WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM JAN 4 1943 (Month) (Day) (Year)

TO (Month) (Day) (Year)

DATE CHANGED 1-1-48 TMC EMP. # 903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	2 S	2 S	2 SW	
4	C_H	Clouds, high (type and direction)	x	x	x	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	S	S	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	3	7	8	
11	ww	Present weather	03,62	03,62	63,1	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	43.6	50.0	52.1	
14		Wet bulb temperature (t') (°F.)	43.0	47.3	50.3	
15		Difference (t—t')	0.6	2.7	1.8	
16	T_sT_s	Dew point (°F.)	42	45	49	
17	U	Relative humidity (%)	95	83	89	
18		Vapor pressure (inches)	.268	.300	.349	
19		Min. thermometer at observation	43.4	42.8	48.7	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	51.6	50.0	52.1	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0512(a)	0512(a)	0512(a)	
25	RR	Total precipitation past 6 hours	.06	.02	.02	
26	PPP	Sea-level pressure (mbs.)		1021.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	E	E	
32	F	Wind velocity (m. p. h.)	8	3	4	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.0		
36		Observed barometer reading		30.164		
37		Total correction		.178		
38		Station pressure		29.986		
39		Tmp 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.16		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—o	0512(a)	cont.	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)
(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26		13		17	4	27	28		16	5	20/22		—	8		10	—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM JAN 2 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

TMC EMP. # 903

DATE CHANGED 2-2-48

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW		5 SW	
3	C_M	Clouds, middle (type and direction)	x	2 S	2	
4	C_H	Clouds, high (type and direction)	x	x	x	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	5	4		
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest			6	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	10	10	
10	V—VV	Visibility (miles and fractions)	1 2	1	5	
11	ww	Present weather	61	62	62	
12	W	Past weather		6	6	
13	TT	Dry bulb temperature (t) (°F.)	55.1	57.1	56.0	
14		Wet bulb temperature (t') (°F.)	53.7	56.0	54.7	
15		Difference (t—t')	1.4	1.1	1.3	
16	T_dT_d	Dew point (°F.)	53	55	54	
17	U	Relative humidity (%)	91	94	91	
18		Vapor pressure (inches)	.405	.436	.420	
19		Min. thermometer at observation	51.0	54.3	55.0	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.8	57.1	57.2	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	CONT	CONT	CONT	
25	RR	Total precipitation past 6 hours	.05	.26	.12	
26	PPP	Sea-level pressure (mbs.)		1028		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	S	S	
32	F	Wind velocity (m. p. h.)	9	10	4	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.044		
37		Total correction		.180		
38		Station pressure		29.864		
39		Tmp 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.03		
44		Time of filing (L. S. T.)				
45		Initials of observer	LE	KJS	KJS	

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	CONT	1620	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			18		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

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GPO 1944 O - 594051

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM JAN 3 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ___th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	3	5SE	5W	
3	C_M	Clouds, middle (type and direction)	2 X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	SE	W	
6	h	Clouds, height of lowest	—			
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling	—			
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	7	7	2	
11	ww	Present weather	03	23	03,51	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.1	55.1	56.6	
14		Wet bulb temperature (t') (°F.)	51.0	53.6	55.0	
15		Difference (t—t')	2.1	1.5	1.6	
16	T_sT_s	Dew point (°F.)	50	52 +4	54	
17	U	Relative humidity (%)	85	91	90	
18		Vapor pressure (inches)	.362	.390	.429	
19		Min. thermometer at observation	52.0	52.4	54.1	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.0	55.1	59.2	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1620	—	1440	
25	RR	Total precipitation past 6 hours	T	0	T	
26	PPP	Sea-level pressure (mbs.)		1021.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	SE	E	
32	F	Wind velocity (m. p. h.)	4	4	3	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.182		
37		Total correction		-.186		
38		Station pressure		29.996		
39		Tmp 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.17		
44		Time of filing (L. S. T.)				
45		Initials of observer	RB	FS	FS	

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— T	1440	1620	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)
(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. ____ to 0730 E. ____ ; ____ inches. 62

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

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GPO: 1944 O - 584051

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION: SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM: JAN 4 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

DATE CHANGED 1-4-48 TMC EMP. #903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	8 W	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	10	
10	V—VV	Visibility (miles and fractions)	8	10	3	
11	ww	Present weather	03	03	03, 81	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.3	58.7	58.8	
14		Wet bulb temperature (t') (°F.)	56.0	56.6	56.7	
15		Difference (t—t')	1.3	1.1	2.1	
16	T_dT_d	Dew point (°F.)	55	56.1	55	
17	U	Relative humidity (%)	92	90	88	
18		Vapor pressure (inches)	.436	.452	.436	
19		Min. thermometer at observation	54.4	56.9	57.8	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.3	59.0	59.4	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0845	—	1555	
25	RR	Total precipitation past 6 hours	.06	0	T	
26	PPP	Sea-level pressure (mbs.)		1021.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SW	SW	
32	F	Wind velocity (m. p. h.)	5	9	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35		Attached thermometer reading		76.0		
36		Observed barometer reading		29.174		
37		Total correction		-.183		
38		Station pressure		29.991		
39		Tmp 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		1.17		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.16		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

COMPUTATION OF SEA-LEVEL PRESSURE

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— 9	0615	0845	59
— 9	1345	1416	
— 9	1555	1640	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

GPO: 1944 O - 534051

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (874) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION: SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM: JAN 5 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

DATE CHANGED 1-5-48

TMC TMP. # 903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	2100 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5	0	0	
3	C_M	Clouds, middle (type and direction)	X	7 W	0	
4	C_H	Clouds, high (type and direction)	X	0	8 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	9	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	6	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	6	4	
10	V—VV	Visibility (miles and fractions)	3	3	7	
11	ww	Present weather	08,05,03	02,05,17	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.0	61.0	60.5	
14		Wet bulb temperature (t') (°F.)	54.0	56.0	55.5	
15		Difference (t—t')	1.0	5.0	5.0	
16	T_dT_d	Dew point (°F.)	53	53	52	
17	U	Relative humidity (%)	94	73	73	
18		Vapor pressure (inches)	.405	.405	.390	
19		Min. thermometer at observation	53.5	55.0	59.1	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.0	61.0	62.0	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1640			
25	RR	Total precipitation past 6 hours	T	—	—	
26	PPP	Sea-level pressure (mbs.)		1021.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	E	W	
32	F	Wind velocity (m. p. h.)	8	5	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.190		
37		Total correction		-186		
38		Station pressure		30.004		
39		Tmp 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.17		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	RB	RB	

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

LB 0600 — 1100 60
H+KU — 1100 (2) — 1530

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	8		11		10	6	7	31		32	12	9	26			18		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33	34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

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GPO: 1944 O - 584081

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (874) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION: SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM: JAN 6 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

DATE CHANGED 1-6-48 TIME EMP. #903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 75th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	5 SW	
3	C_M	Clouds, middle (type and direction)	7 SW	2 SW	7 SW	
4	C_H	Clouds, high (type and direction)	X	X	1 SW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9+	10	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	10	10	
10	V—VV	Visibility (miles and fractions)	2	4	12	
11	ww	Present weather	03 05 17	03 05 17	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.2	62.0	58.4	
14		Wet bulb temperature (t') (°F.)	53.0	58.0	56.4	
15		Difference (t—t')	1.2	2.0	2.0	
16	T_sT_s	Dew point (°F.)	52	55	55	
17	U	Relative humidity (%)	93	79	88	
18		Vapor pressure (inches)	.390	.436	.436	
19		Min. thermometer at observation	52.0	53.0	58.0	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.5	62.0	63.7	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0500(e)	0935	—	
25	RR	Total precipitation past 6 hours	.06	T	0	
26	PPP	Sea-level pressure (mbs.)		1021.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	E	SW	
32	F	Wind velocity (m. p. h.)	3	3	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.166		
37		Total correction		-.189		
38		Station pressure		29.977		
39		Tmp 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		+17		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.15		
44		Time of filing (L. S. T.)				
45		Initials of observer	JE	FS	85	

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	0300(e)	1050	(e)
—	9 30	9 35	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H & K DN A — 1412

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	81	82	12	9	26			18		17	4	27	28		16		5	20/22		—	8		10		—	28	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1830 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

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GPO: 1944-O - 584061

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (874) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION: SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM: JAN 7 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

TMC INP. # 903

DATE CHANGED 1-7-48

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/24th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	5 5	5 W	
3	C_M	Clouds, middle (type and direction)	2 5	X	2 X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	5	5	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	8	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	3	5	8	
11	ww	Present weather	03,62	03,62	03,62	
12	W	Past weather	3	1		
13	TT	Dry bulb temperature (t) (°F.)	56.2	59.3	58.5	
14		Wet bulb temperature (t') (°F.)	54.8	58.1	57.0	
15		Difference (t—t')	1.5	0.6	1.5	
16	T_sT_s	Dew point (°F.)	54	58	56	
17	U	Relative humidity (%)	91	95	91	
18		Vapor pressure (inches)	.430	.486	.452	
19		Min. thermometer at observation	54.0	55.6	58.0	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.4	59.3	60.0	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0700	0730		
25	RR	Total precipitation past 6 hours	T	.07	.24	
26	PPP	Sea-level pressure (mbs.)		1019.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	S	WSW	
32	F	Wind velocity (m. p. h.)	8	7	12	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.132		
37		Total correction		-188		
38		Station pressure		29.942		
39		Tmp 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.11		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	JB	

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
RA	0730	1730	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			18		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

GPO: 1944 O - 554051

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM JAN 8 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

DATE CHANGED 1-8-48 TIME EMP. 903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ___th Mer. Time	0810 LST	1210 LST	1410 LST	LST
2	C_L	Clouds, low (type and direction)	Fr NW	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	7 W	
4	C_H	Clouds, high (type and direction)	0	9 W	×	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	6	9	9	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	6	9	9	
10	V—VV	Visibility (miles and fractions)	1	4	8	
11	ww	Present weather	04	02, 05, 17	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.2	54.4	57.5	
14		Wet bulb temperature (t') (°F.)	47.2	50.0	50.0	
15		Difference (t—t')	0.0	4.4	7.5	
16	T_sT_s	Dew point (°F.)	47	46	44	
17	U	Relative humidity (%)	100	73	59	
18		Vapor pressure (inches)	.324	.312	.289	
19		Min. thermometer at observation	47.0	46.4	54.0	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	47.0	55.9	59.1	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1730	—	—	
25	RR	Total precipitation past 6 hours	.04	0	0	
26	PPP	Sea-level pressure (mbs.)		1023.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	NW	W	
32	F	Wind velocity (m. p. h.)	4	4	8	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.250		
37		Total correction		-.189		
38		Station pressure		30.061		
39		Tmp 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		7.17		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.23		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)
(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

FOG 0530 — 0900 60
HAK 0900 — 1500
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. ___ to 0730 E. ___ ; ___ inches. 62

Line numbers →		2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10	—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_H	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

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GPO: 1944 O - 584081

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (874) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM JAN 29 1946 (Month) (Day) (Year)

TO (Month) (Day) (Year)

TMC EMP. # 903 — DATE CHANGED 1-9-48

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5/N	0	9+	
3	C_M	Clouds, middle (type and direction)	0	3 W	5 W	
4	C_H	Clouds, high (type and direction)	0	0	6 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	N	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	6	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	6	9+	
10	V—VV	Visibility (miles and fractions)	2	4	8	
11	ww	Present weather	03,05,17	03,05,17	03,05,17	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.1	52.6	56.3	
14		Wet bulb temperature (t') (°F.)	45.8	47.4	50.7	
15		Difference (t—t')	1.3	5.2	5.6	
16	T_sT_s	Dew point (°F.)	45	42	46	
17	U	Relative humidity (%)	91	67	68	
18		Vapor pressure (inches)	.300	.268	.312	
19		Min. thermometer at observation	46.1	45.8	51.7	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.5	52.6	57.6	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1023.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	SW	N	
32	F	Wind velocity (m. p. h.)	4	6	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.242		
37		Total correction		-189		
38		Station pressure		30.053		
39		Tmp 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.22		
44		Time of filing (L. S. T.)		8	8	
45		Initials of observer	FS			

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H & R DNA - CONT. 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29				30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

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GPO: 1944 O - 584051

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM JAN 10 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/20 th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	7 X	0	
4	C_H	Clouds, high (type and direction)	2 W	0	2 X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	9	9	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	7	8	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	7	8	2	
10	V—VV	Visibility (miles and fractions)	2	7	20	
11	ww	Present weather	20.5.17	02	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.1	55.0	56.5	
14		Wet bulb temperature (t') (°F.)	46.0	48.0	48.5	
15		Difference (t—t')	1.1	7.0	8.0	
16	T_dT_d	Dew point (°F.)	45	41	41	
17	U	Relative humidity (%)	92	59	55	
18		Vapor pressure (inches)	.300	.256	.256	
19		Min. thermometer at observation	46.6	46.4	53.0	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.4	55.2	56.9	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1023.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	S	NW	
32	F	Wind velocity (m. p. h.)	2	5	6	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35		Attached thermometer reading		77.5		
36		Observed barometer reading		30.250		
37		Total correction		-.188		
38		Station pressure		30.062		
39		Tmp 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.23		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	RJS	RJS	

COMPUTATION OF SEA-LEVEL PRESSURE

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

NYK CONT. — 1125 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			13		17	4	27		28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

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DATE CHANGED 1-10-48 TIME EP. # 903

GPO: 1944 O - 584081

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM JAN 1 1 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	0	0	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	20	20	20	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.2	55.5	62.6	
14		Wet bulb temperature (t') (°F.)	44.0	44.2	50.5	
15		Difference (t—t')	3.2	11.3	12.1	
16	T_sT_s	Dew point (°F.)	41	30	39	
17	U	Relative humidity (%)	78	37	42	
18		Vapor pressure (inches)	.258	.185	.238	
19		Min. thermometer at observation	44.0	47.2	55.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.5	57.3	63.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1023.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	N	W	
32	F	Wind velocity (m. p. h.)	6	4	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.240		
37		Total correction		182		
38		Station pressure		30.059		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)		30.328		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.23		
44		Time of filing (L. S. T.)	KJS			
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
46 0730 E. S. T. (1230 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM JAN 1 2 1948 (Month) (Day) (Year)

TO _____ (Month) (Day) (Year)

TMC EMP. #403 DATE CHANGED 1-12-48

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	5 8 0 LST	12 LST	16 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	8	15	20	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.6	65.0	67.4	
14		Wet bulb temperature (t′) (°F.)	43.9	50.0	51.1	
15		Difference (t—t′)	11.7	15.0	16.3	
16	T_dT_d	Dew point (°F.)	29	34	34	
17	U	Relative humidity (%)	35	31	29	
18		Vapor pressure (inches)	.157	.196	.196	
19		Min. thermometer at observation	51.3	54.0	63.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.6	65.0	67.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1021.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NE	N	E	
32	F	Wind velocity (m. p. h.)	8	9	6	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.180		
37		Total correction		-.183		
38		Station pressure		29.997		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.17		
44		Time of filing (L. S. T.)				
45		Initials of observer	FE	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29		30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM JAN 1 3 1948 (Month) (Day) (Year)

TO _____ (Month) (Day) (Year)

TMC EMP. #903 DATE CHANGED 1-13-48

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	2810 LST	1810 LST	0810 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	0	0	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	8	10	8	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.8	61.1	64.7	
14		Wet bulb temperature (t′) (°F.)	53.0	49.4	52.1	
15		Difference (t—t′)	1.8	11.7	7.6	
16	T_dT_d	Dew point (°F.)	52	38.4	41.4	
17	U	Relative humidity (%)	89	42	41	
18		Vapor pressure (inches)	.390	.229	.258	
19		Min. thermometer at observation	54.0	54.6	59.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	67.4	61.1	64.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1025.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	E	E	
32	F	Wind velocity (m. p. h.)	4	7	6	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.300		
37		Total correction		-.185		
38		Station pressure		30.115		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		1.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.29		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM JAN 1 4 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

TMC EMP. #903 DATE CHANGED 1-14-48

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	6	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	4	3	7	
11	ww	Present weather	00,05,17	00,05,17	05	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.0	62.0	65.1	
14		Wet bulb temperature (t') (°F.)	46.0	49.2	51.4	
15		Difference (t—t')	6.0	12.8	13.7	
16	T_sT_s	Dew point (°F.)	40	36	38	
17	U	Relative humidity (%)	64	35	37	
18		Vapor pressure (inches)	.248	.212	.229	
19		Min. thermometer at observation	49.0	52.0	60.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	64.7	62.0	65.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1025.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	E	NW	
32	F	Wind velocity (m. p. h.)	3	5	6	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.286		
37		Total correction		-.188		
38		Station pressure		30.098		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.27		
44		Time of filing (L. S. T.)				
45		Initials of observer	IB	IB	ES	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H & N - DAA — 1450	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM JAN 15 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

DATE CHANGED 1-15-48 FMC EMP. # 903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	2010 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	1-X	0	0	
4	C_H	Clouds, high (type and direction)	0	1X	2W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1-	3	8	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1-	3	8	
10	V—VV	Visibility (miles and fractions)	4	4	7	
11	ww	Present weather	00,05,17	01,05,17	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	42.0	62.0	59.9	
14		Wet bulb temperature (t') (°F.)	45.0	52.0	49.1	
15		Difference (t—t')	2.0	10.0	10.8	
16	T_sT_s	Dew point (°F.)	43	43	38	
17	U	Relative humidity (%)	86	50	41	
18		Vapor pressure (inches)	.278	.278	.229	
19		Min. thermometer at observation	46.0	46.6	59.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.1	62.3	64.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	—	0	0	
26	PPP	Sea-level pressure (mbs.)		1021.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	N	NW	
32	F	Wind velocity (m. p. h.)	4	3	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.180		
37		Total correction		-.189		
38		Station pressure		29.991		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.16		
44		Time of filing (L. S. T.)				
45		Initials of observer	BB	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Euded	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H 1 15 DNA — 1527	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →		2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM JAN 16 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	9 x	1 W	1 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	4	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	4	2	
10	V—VV	Visibility (miles and fractions)	6	7	7	
11	ww	Present weather	MOSA	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.0	61.1	62.9	
14		Wet bulb temperature (t′) (°F.)	45.5	51.0	51.2	
15		Difference (t—t′)	3.5	10.1	11.7	
16	T_sT_s	Dew point (°F.)	42	42	40.3	
17	U	Relative humidity (%)	77	49	43	
18		Vapor pressure (inches)	.268	.268	.248	
19		Min. thermometer at observation	46.4	48.6	59.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.2	61.2	64.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	N	E	
32	F	Wind velocity (m. p. h.)	4	7	3	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.121		
37		Total correction		-.183		
38		Station pressure		29.938		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.11		
44		Time of filing (L. S. T.)				
45		Initials of observer	KD	KS	KS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HAZE DNA — ////	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM JAN 17 1947 (Month) (Day) (Year)

TO (Month) (Day) (Year)

TIME EMP. # 903 DATE CHANGED 1-17-48

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	1030 LST	1730 LST	2330 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	0	0	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	2	2	7	
11	ww	Present weather	17,05,00	00,05,17	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.0	63.0	64.0	
14		Wet bulb temperature (t') (°F.)	45.5	52.1	51.0	
15		Difference (t—t')	1.5	10.9	13.0	
16	T_sT_s	Dew point (°F.)	44	43	39	
17	U	Relative humidity (%)	89	46	39	
18		Vapor pressure (inches)	.289	.278	.238	
19		Min. thermometer at observation	45.0	47.0	62.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.9	63.0	66.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	S	N	
32	F	Wind velocity (m. p. h.)	0	4	4	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.100		
37		Total correction		-183		
38		Station pressure		29.917		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)		/		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.09		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H + R DONA — 1430 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	1			2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM JAN 1 8 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

DATE CHANGED 1-18-48 TIME EMP. # 903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	7X	7X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	X	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	8	8	
8	h_ch_c	Ceiling	—	—	—	
9	N	Total amount of all clouds	0	8	8	
10	V—VV	Visibility (miles and fractions)	2	1	12	
11	ww	Present weather	00,05,17	02,05,17	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	50.5	61.0	58.0	
14		Wet bulb temperature (t') (°F.)	47.5	52.5	52.2	
15		Difference (t—t')	3.0	8.5	5.8	
16	T_sT_s	Dew point (°F.)	45	35	47	
17	U	Relative humidity (%)	80	50	67	
18		Vapor pressure (inches)	.300	.204	.324	
19		Min. thermometer at observation	46.0	50.5	58.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	64.0	61.0	68.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SE	W	
32	F	Wind velocity (m. p. h.)	4	3	8	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		29.960		
37		Total correction		-188		
38		Station pressure		29.772		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.94		
44		Time of filing (L. S. T.)				
45		Initials of observer	JB	JB	JB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F.					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K DMA 1500	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM: JAN 19 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0800 LST	1200 LST	1600 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	2	5	5	
11	ww	Present weather	10800	00847	17,05,00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.1	58.1	65.5m	
14		Wet bulb temperature (t') (°F.)	45.0	46.0	48.0	
15		Difference (t—t')	6.1	12.1	17.5	
16	T_sT_s	Dew point (°F.)	38	32	27	
17	U	Relative humidity (%)	61	32	23	
18		Vapor pressure (inches)	.229	.180	.143	
19		Min. thermometer at observation	49.0	50.8	57.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.8	60.7	65.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1022.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	NW	SW	
32	F	Wind velocity (m. p. h.)	2	4	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.200		
37		Total correction		-.189		
38		Station pressure		30.011		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.18		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

FOR DAY — CONT.	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

FROM: JAN 20 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1410 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	8X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	0	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	3	
10	V—VV	Visibility (miles and fractions)	4	4	8	
11	ww	Present weather	00,05,17	00,05,17	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.0	58.1	60.0	
14		Wet bulb temperature (t') (°F.)	43.0	48.3	50.0	
15		Difference (t—t')	4.0	9.8	10.0	
16	T_sT_s	Dew point (°F.)	39	38	40	
17	U	Relative humidity (%)	72	48	48	
18		Vapor pressure (inches)	.238	.229	.248	
19		Min. thermometer at observation	45.1	47.0	56.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.5	58.1	62.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1027.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	E	W	
32	F	Wind velocity (m. p. h.)	2	4	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.358		
37		Total correction		—.181		
38		Station pressure		30.177		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.33		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

NEX CONT. — 1450 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27		28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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DATE CHANGED 1-20-48 TMC EMP. #903

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM JAN 21 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

DATE CHANGED 1-21-48 INC EMP. # 903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1X	1X	1X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1—	1—	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1—	1—	1—	
10	V—VV	Visibility (miles and fractions)	7	8	8	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.1	55.0	58.0	
14		Wet bulb temperature (t') (°F.)	44.1	47.4	51.0	
15		Differeuce (t—t')	3.0	7.6	7.0	
16	T_sT_s	Dew point (°F.)	41	45	45	
17	U	Relative humidity (%)	79	56	61	
18		Vapor pressure (inches)	.258	.248	.300	
19		Min. thermometer at observation	44.7	46.6	54.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.0	55.0	62.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1028.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	NW	W	
32	F	Wind velocity (m. p. h.)	3	6	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.394		
37		Total correction		-.186		
38		Station pressure		30.208		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+1.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.37		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM: JAN 22 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/20th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	~~8~~ 6.SE	0	0	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	1 X	1 X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SE	X	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1 —	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1 —	2	
10	V—VV	Visibility (miles and fractions)	1/8	2	8	
11	ww	Present weather	43	00 51	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.0	55.4	56.0	
14		Wet bulb temperature (t') (°F.)	46.1	49.6	51.0	
15		Difference (t—t')	4.9	5.8	5.0	
16	T_sT_s	Dew point (°F.)	46	44	46	
17	U	Relative humidity (%)	80	66	71	
18		Vapor pressure (inches)	.312	.289	.312	
19		Min. thermometer at observation	49	45.6	53.7	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.7	55.6	61.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1021.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhb	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SE	W	
32	F	Wind velocity (m. p. h.)	4	3	6	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.180		
37		Total correction		-.185		
38		Station pressure		29.995		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.17		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

= 0430 (0) — 1005	60
BXR 1005 — 1414	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM JAN 23 1948 (Month) (Day) (Year) CITY OFFICE

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	6	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	1/2	7	7	
11	ww	Present weather	00,05,17	00,05,17	00,05,17	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.5	67.3	66.8	
14	.	Wet bulb temperature (t′) (°F.)	48.1	53.8	53.2	
15		Difference (t—t′)	4.4	14.5	13.6	
16	T_sT_s	Dew point (°F.)	44	46	41	
17	U	Relative humidity (%)	74	36	39	
18		Vapor pressure (inches)	.289	.248	.258	
19		Min. thermometer at observation	49.2	51.2	66.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.0	67.7	75.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—			
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Heigbt 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	NE	W	
32	F	Wind velocity (m. p. h.)	3	4	9	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.037		
37		Total correction		-.187		
38		Station pressure		29.850		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		67.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H + R ADMA — CONT 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	1	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

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ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM JAN 2 4 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	—	—	—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	3/4 mi	3	7	
11	ww	Present weather	00,05,17	00,05,17	100	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.0	68.8	70.0	
14		Wet bulb temperature (t′) (°F.)	48.0	53.1	54.0	
15		Difference (t—t′)	4.0	15.7	16.0	
16	T_sT_s	Dew point (°F.)	44	39.7	40	
17	U	Relative humidity (%)	75	33	33	
18		Vapor pressure (inches)	.289	.238	.248	
19		Min. thermometer at observation	50.0	50.8	68.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	68.1	68.8	71.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6~~ hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1012.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SE	NW	
32	F	Wind velocity (m. p. h.)	3	3	2	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		29.114		
37		Total correction		-.186		
38		Station pressure		29.128		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		41.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.90		
44		Time of filing (L. S. T.)				
45		Initials of observer	DB	FS	EC	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K Cont. — 1528	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	1			2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

FROM: JAN 25 1948 CITY OFFICE (Month) (Day) (Year)

TO: (Month) (Day) (Year)

DATE TRANSFERRED 1-25-48 TEMP. # 903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	09/8 LST	12/8 LST	16/8 LST	LST
2	C_L	Clouds, low (type and direction)	55	5W	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	S	W	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	5	1	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	5	1	0	
10	V—VV	Visibility (miles and fractions)	3	8	12	
11	ww	Present weather	01 05 17	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	50.8	56.4	55.2	
14		Wet bulb temperature (t') (°F.)	48.3	50.6	50.1	
15		Difference (t—t')	2.5	5.8	5.1	
16	T_dT_d	Dew point (°F.)	46.4	46	46	
17	U	Relative humidity (%)	84	67	70	
18		Vapor pressure (inches)	.312	.312	.312	
19		Min. thermometer at observation	46.1	50.6	54.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	70.1	58.2	58.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1010.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	W	SW	
32	F	Wind velocity (m. p. h.)	4	3	9	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		29.862		
37		Total correction		-.179		
38		Station pressure		29.681		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.85		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H&R DNA 1122 — 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →		2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_d	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_d	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM JAN 26 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120 th Mer. Time	0810 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	35	30	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.0	53.9	58.0	
14		Wet bulb temperature (t') (°F.)	37.5	40.0	41.0	
15		Difference (t—t')	11.5	13.9	17.0	
16	T_sT_s	Dew point (°F.)	19	18	11	
17	U	Relative humidity (%)	28%	22%	14	
18		Vapor pressure (inches)	.098	.093	.066	
19		Min. thermometer at observation	48.1	48.0	53.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.2	53.9	58.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past 6 hours	0	0		
26	PPP	Sea-level pressure (mbs.)		1018.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	N	N	
32	F	Wind velocity (m. p. h.)	10	10	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.080		
37		Total correction		180		
38		Station pressure		29.900		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.07		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →		2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION: SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM: JAN 27 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

DATE CHANGED 1-27-48 TNC EMP. #903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1410 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	—	—	—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	10	20	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.6	54.2	57.4	
14		Wet bulb temperature (t') (°F.)	38.0	40.1	42.0	
15		Difference (t—t')	9.6	14.1	15.4	
16	T_dT_d	Dew point (°F.)	34	38	39	
17	U	Relative humidity (%)	58	22	21	
18		Vapor pressure (inches)	.124	.093	.098	
19		Min. thermometer at observation	44.9	47.3	54.2	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.0	54.2	58.1	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1024.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	NNE	SE	
32	F	Wind velocity (m. p. h.)	8	5	4	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.272		
37		Total correction		-.184		
38		Station pressure		30.088		
39		Tmp 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.26		
44		Time of filing (L. S. T.)				
45		Initials of observer	IE	FS	FS	

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (H_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)
(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Light frost at morning — 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			18		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1830 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

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GPO: 1944 O - 584041

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM JAN 28 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

CITY OFFICE

TNC EMP. #903 DATE CHANGED 1-28-48

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	7X	
4	C_H	Clouds, high (type and direction)	6 NW	1 NW	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	NW	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	6	4	9+	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	6	4	9+	
10	V—VV	Visibility (miles and fractions)	4	5	6	
11	ww	Present weather	01,05,17	01,05,17	03,05,17	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	44.8	53.5	55.5	
14		Wet bulb temperature (t') (°F.)	41.0	44.0	48.5	
15		Difference (t—t')	3.8	9.5	7.0	
16	T_sT_s	Dew point (°F.)	36	33	42	
17	U	Relative humidity (%)	71	45	60	
18		Vapor pressure (inches)	.212	.188	.268	
19		Min. thermometer at observation	42.3	44.8	52.0	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.4	53.5	56.2	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1025.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	E	W	
32	F	Wind velocity (m. p. h.)	3	4	6	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.284		
37		Total correction		-184		
38		Station pressure		30.100		
39		Tmp 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.27		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Light frost this morning 60

H+K ANA— CONT.

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	1	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

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GPO: 1944 O - 584581

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION: SAN FRANCISCO, CALIFORNIA

FROM: JAN 29 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

CITY OFFICE

DATE CHANGED 1-29-48

TIME CHANGED 903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	7 X	5 W	2 NW	
4	C_H	Clouds, high (type and direction)	0	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	W	7	
6	h	Clouds, height of lowest			—	
7	N_h	Clouds, amount of lowest	—		—	
8	h_ch_c	Ceiling	—		—	
9	N	Total amount of all clouds	5	9+	10	
10	V—VV	Visibility (miles and fractions)	3	3	3	
11	ww	Present weather	03,05,17	03,05,17	03,05,17	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.0	54.2	53.4	
14		Wet bulb temperature (t') (°F.)	43.5	46.6	46.0	
15		Difference (t—t')	2.5	7.6	7.4	
16	T_dT_d	Dew point (°F.)	41	39	38	
17	U	Relative humidity (%)	81	56	56	
18		Vapor pressure (inches)	.258	.238	.229	
19		Min. thermometer at observation	46.0	45.6	52.8	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.5	53.6	55.6	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1022.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	E	N	
32	F	Wind velocity (m. p. h.)	4	4	6	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.212		
37		Total correction		-.186		
38		Station pressure		30.026		
39		Tmp 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.20		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	HJS	

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)
(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H + R CONT. — 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →		2	3		11		10	6	7	31		32	12	9	26			13		17	4	27		28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

GPO: 1944 O - 584581

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (874) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM JAN 30 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

TMC INP.# 903 DATE CHANGED 1-30-48

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/~~22~~th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 S	0	5 W	
3	C_M	Clouds, middle (type and direction)	X	1 W	X	
4	C_H	Clouds, high (type and direction)	X	0	8 X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	S	W	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	7	5	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	7	5	4	
10	V—VV	Visibility (miles and fractions)	3/4	2	10	
11	ww	Present weather	02,05,17	02,05,17	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	45.9	55.0	55.0	
14		Wet bulb temperature (t') (°F.)	44.8	49.8	51.0	
15		Difference (t—t')	1.1	5.2	4.0	
16	T_dT_d	Dew point (°F.)	43	45	47	
17	U	Relative humidity (%)	91	69	75	
18		Vapor pressure (inches)	.278	.300	.324	
19		Min. thermometer at observation	44.8	45.5	54.6	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.4	55.1	57.0	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1021.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	W	W	
32	F	Wind velocity (m. p. h.)	3	4	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		29.67		
37		Total correction		-185		
38		Station pressure		29.982		
39		Tmp 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.15		
44		Time of filing (L. S. T.)				
45		Initials of observer	JFE	JB	JB	

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H + R — CONT. — 1430 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10	—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

GPO:1944 O - 584081

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1942)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are to be for a period of 24 hours from 0131 E. S. T. (0631 G. M. T.) of one day to 0130 E. S. T. (0630 G. M. T.) of following day.

STATION: SAN FRANCISCO, CALIFORNIA

FROM: JAN 31 1948 (Month) (Day) (Year) — CITY OFFICE

TO: (Month) (Day) (Year)

DATE CHANGED 1-31-48 — EMP. # 903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5E	5X	5W	
3	C_M	Clouds, middle (type and direction)	X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	1X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	E	9	6	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	4	
10	V—VV	Visibility (miles and fractions)	5	2	7	
11	ww	Present weather	03,05,17	03,05,17	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.6	50.0	51.0	
14		Wet bulb temperature (t') (°F.)	45.2	46.5	48.0	
15		Difference (t—t')	1.4	3.5	3.0	
16	T_dT_d	Dew point (°F.)	44.4	43	45	
17	U	Relative humidity (%)	90	77	81	
18		Vapor pressure (inches)	.289	.278	.300	
19		Min. thermometer at observation	45.1	45.5	48.0	
20	T_nT_n	Lowest tmp past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.1	50.0	54.3	
22	T_xT_x	Highest tmp past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past 6 hours	0	0		
26	PPP	Sea-level pressure (mbs.)		1021.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	$P_mP_mP_m$	5,000-foot pressure (mbs.)				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	S	W	
32	F	Wind velocity (m. p. h.)	6	4	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35		Attached thermometer reading		75.0		
36		Observed barometer reading		30.174		
37		Total correction		-181		
38		Station pressure		29.993		
39		Tmp 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.16		
44		Time of filing (L. S. T.)				
45		Initials of observer	KS	KJS	KJS	

COMPUTATION OF SEA-LEVEL PRESSURE

COMPUTATION OF 5,000-FOOT PRESSURE

75th Mer. Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.	
Current tmp					47
Current tmp					48
Temperature 6 hours previously					49
Sum					50
Mean (Sum ÷ 3)					51
Lapse rate correction (lrc)					52
Mean + lrc = reduction temperature					53
Station pressure					54
Pressure correction from table					55
Sum (algebraic)					56
Dew-point cor.					57
Total 5,000-ft. pressure (B_5)					58

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HAK DNA — 1518 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____; _____ inches. 62

Line numbers →				2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	R	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	P_m	P_m	P_m	a_3	0	S_P	S_P	s_p	s_p

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GPO: 1944 O - 594081

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (370) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 1 - 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	1 NW	1 NW	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	NW	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	1	1	
10	V—VV	Visibility (miles and fractions)	25	20	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	48.0	50.0	49.6	
14		Wet bulb temperature (t′) (°F.)	40.7	43.3	43.3	
15		Difference (t—t′)	7.3	6.7	6.3	
16	T_sT_s	Dew point (°F.)	31	36	36	
17	U	Relative humidity (%)	51	59	60	
18		Vapor pressure (inches)	.172	.212	.212	
19		Min. thermometer at observation	43.7	47.6	48.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	51.4	51.2	50.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NE	WNW	NW	
32	F	Wind velocity (m. p. h.)	8	14	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		73.5		
36		Observed barometer reading		30.000		
37		Total correction		—.176		
38		Station pressure		29.824		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (5-74) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM: FEB 2 - 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	8W	6S	5W	
3	C_M	Clouds, middle (type and direction)	2W	2S	X	
4	C_H	Clouds, high (type and direction)	4	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	6	4	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	3	6	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	5	10	10	
10	V—VV	Visibility (miles and fractions)	7	15	15	
11	ww	Present weather	02	61	81	
12	W	Past weather	6	6		
13	TT	Dry bulb temperature (t) (°F.)	42.2	47.0	44.0	
14		Wet bulb temperature (t′) (°F.)	40.0	42.5	41.0	
15		Difference (t—t′)	2.2	4.5	3.0	
16	T_sT_s	Dew point (°F.)	37	37	37	
17	U	Relative humidity (%)	83	68	79	
18		Vapor pressure (inches)	.220	.220	.220	
19		Min. thermometer at observation	40.0	42.0	43.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	50.0	47.2	47.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0715	1130	1130	
25	RR	Total precipitation past 6 hours	.05	T	.06	
26	PPP	Sea-level pressure (mbs.)		1015.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SE	SE	
32	F	Wind velocity (m. p. h.)	4	10	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.5		
36		Observed barometer reading		30.000		
37		Total correction		-178		
38		Station pressure		29.822		
39		Tmp. 12 hours previously (t_2)		717		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
[illegible]	0530	0715	59
[illegible]	1130	2120	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (574) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM FEB 3 - 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ... th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	Cu NW	Cu W	
3	C_M	Clouds, middle (type and direction)	4W	0	0	
4	C_H	Clouds, high (type and direction)	3 W	Ci NW	C W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	NW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	1	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	6	1	2	
10	V—VV	Visibility (miles and fractions)	12	15	30	
11	ww	Present weather	02	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	43.6	50.6	53.5	
14		Wet bulb temperature (t') (°F.)	38.0	42.2	43.0	
15		Difference (t—t')	5.6	8.4	10.5	
16	T_sT_s	Dew point (°F.)	30	32	30	
17	U	Relative humidity (%)	59	48	39	
18		Vapor pressure (inches)	.165	.180	.164	
19		Min. thermometer at observation	42.3	49.2	50.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	45.0	51.4	54.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	2120	—	—	
25	RR	Total precipitation past 6 hours	.07	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NE	NE	N	
32	F	Wind velocity (m. p. h.)	12	8	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.5		
36		Observed barometer reading		30.103		
37		Total correction		.178		
38		Station pressure		29.925		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.09		
44		Time of filing (L. S. T.)				
45		Initials of observer	TEE	FS	RJG	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM: FEB 4 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

DATE CHANGED 8-4-48 — TMC EMP. # 903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	0	2 X	2 X	
4	C_H	Clouds, high (type and direction)	7 X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	X	
6	h	Clouds, height of lowest	—	—	—	
7	N_h	Clouds, amount of lowest	8	2	8	
8	h_ch_c	Ceiling	—	—	—	
9	N	Total amount of all clouds	9+	10	9+	
10	V—VV	Visibility (miles and fractions)	10	2	8	
11	ww	Present weather	03	48, 61	03, 22	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.4	44.0	44.0	
14		Wet bulb temperature (t′) (°F.)	43.3	42.5	41.0	
15		Difference (t—t′)	4.1	1.5	3.0	
16	T_sT_s	Dew point (°F.)	39	41	37	
17	U	Relative humidity (%)	72	89	79	
18		Vapor pressure (inches)	.238	.258	.220	
19		Min. thermometer at observation	43.8	42.3	43.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.5	51.3	47.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_u	Depth of snow on ground				
24	R_t	Time of precipitation	0635	1054	1445	
25	RR	Total precipitation past # hours	.01	.26	.18	
26	PPP	Sea-level pressure (mbs.)		1008.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SW	S	
32	F	Wind velocity (m. p. h.)	6	13	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		29.80		
36		Observed barometer reading		29.83		
37		Total correction		+.181		
38		Station pressure		29.631		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.80		
44		Time of filing (L. S. T.)				
45		Initials of observer	FE	FE	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	59
[illegible]	0635	0635	
[illegible]	1054	1256	
HAIL	1124	1130	
[illegible]	1445	1540	
[illegible]	2318	CONTS	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 5 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 S	9 S	9	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	S	S	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	9	6	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	9	6	
10	V—VV	Visibility (miles and fractions)	20	20	15	
11	ww	Present weather	03	03	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	42.0	45.7	46.7	
14		Wet bulb temperature (t') (°F.)	40.1	42.3	42.9	
15		Difference (t—t')	1.9	3.4	3.8	
16	T_sT_s	Dew point (°F.)	38	38	39	
17	U	Relative humidity (%)	85	76	74	
18		Vapor pressure (inches)	.229	.229	.229	
19		Min. thermometer at observation	40.3	41.4	43.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	44.0	47.3	46.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0120	1206	1557	
25	RR	Total precipitation past 6 hours	.22	T	.27	
26	PPP	Sea-level pressure (mbs.)		1003.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SE	S	
32	F	Wind velocity (m. p. h.)	10	11	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		29.50		
36		Observed barometer reading		29.62		
37		Total correction		+.179		
38		Station pressure		29.483		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.65		
44		Time of filing (L. S. T.)			00	
45		Initials of observer			OC	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ⚡	[illegible]	0106	59
— ⚡	0006	1328	
— ⚡	[illegible]	[illegible]	
— ⚡	1420	1557	
— ⚡ S	1900	CLM	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 6 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5	1 NW	7 NW	
3	C_M	Clouds, middle (type and direction)	X	1 NW	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	NW	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9+	1	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	2	4	
10	V—VV	Visibility (miles and fractions)	7	10	15	
11	ww	Present weather	03	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	41.5	44.7	47.2	
14		Wet bulb temperature (t') (°F.)	39.0	41.8	43.0	
15		Difference (t—t')	2.5	3.1	4.2	
16	T_dT_d	Dew point (°F.)	36	38	38	
17	U	Relative humidity (%)	80	77	71	
18		Vapor pressure (inches)	.212	.229	.229	
19		Min. thermometer at observation	39.4	40.8	44.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	46.7	45.2	48.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0520	—	—	
25	RR	Total precipitation past 6 hours	.33	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	N	W	
32	F	Wind velocity (m. p. h.)	5	5	8	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.999		
37		Total correction		-.182		
38		Station pressure		29.817		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		41.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— S	CONT.	0520	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	b_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	b_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	b_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	b_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 7 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	W	W	
6	h	Clouds, height of lowest		—	—	
7	N_h	Clouds, amount of lowest	0	1—	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	1—	1—	
10	V—VV	Visibility (miles and fractions)	3	6	10	
11	ww	Present weather	00,05,17	00,05,17	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	41.5	49.0	52.5	
14		Wet bulb temperature (t') (°F.)	40.5	45.0	46.0	
15		Difference (t—t')	1.0	4.0	6.5	
16	T_dT_d	Dew point (°F.)	39	41	39	
17	U	Relative humidity (%)	92	74	60	
18		Vapor pressure (inches)	.238	.258	.238	
19		Min. thermometer at observation	39.0	41.1	49.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	47.2	49.0	54.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation		—	—	
25	RR	Total precipitation past 6 hours	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1028.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	SE	W	
32	F	Wind velocity (m. p. h.)	0	6	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.380		
37		Total correction		-188		
38		Station pressure		30.199		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.37		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H + R — DNA — 1440 60
Hvy frost many secs. of city

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 8 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	SW	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	2 X	
4	C_H	Clouds, high (type and direction)	8 X	7 X	7 X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	X	
6	h	Clouds, height of lowest	—	—		
7	N_h	Clouds, amount of lowest	4	9+	5	
8	h_ch_c	Ceiling	—			
9	N	Total amount of all clouds	8	9+	10	
10	V—VV	Visibility (miles and fractions)	5	10	12	
11	ww	Present weather	02,05,17	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	45.0	51.0	53.0	
14		Wet bulb temperature (t') (°F.)	43.1	44.2	46.4	
15		Difference (t—t')	1.9	6.8	7.0	
16	T_dT_d	Dew point (°F.)	41	36	39	
17	U	Relative humidity (%)	85	57	57	
18		Vapor pressure (inches)	.258	.212	.238	
19		Min. thermometer at observation	42.1	44.1	50.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	52.5	52.5	56.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation		—	—	
25	RR	Total precipitation past 6 hours	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1032.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SE	W	
32	F	Wind velocity (m. p. h.)	5	5	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.500		
37		Total correction		-19		
38		Station pressure		30.31		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.48		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	2200	cont	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

A + K - 2219 — 1100 60

Lt frost early a.m.

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 9 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ..th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 X	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	3	4	8	
11	ww	Present weather	03,62	0362	0362	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.0	54.9	52.0	
14		Wet bulb temperature (t') (°F.)	51.0	52.2	50.8	
15		Difference (t—t')	1.0	2.7	1.2	
16	T_sT_s	Dew point (°F.)	51	50	50	
17	U	Relative humidity (%)	93	83	93	
18		Vapor pressure (inches)	.376	.362	.362	
19		Min. thermometer at observation	46.2	51.8	51.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.1	55.7	53.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	2200	2200	2200	
25	RR	Total precipitation past 6 hours	.42	T	.02	
26	PPP	Sea-level pressure (mbs.)		1026.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	W	W	
32	F	Wind velocity (m. p. h.)	4	10	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.319		
37		Total correction		-.184		
38		Station pressure		30.135		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.31		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	FJS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ●	CONT.	1740	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers	1			2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 09 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	1 N	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	N	
6	h	Clouds, height of lowest	—			
7	N_h	Clouds, amount of lowest	—	0	1 —	
8	h_ch_c	Ceiling	—			
9	N	Total amount of all clouds	0	0	1 —	
10	V—VV	Visibility (miles and fractions)	35	40	50	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	44.0	50.3	52.3	
14		Wet bulb temperature (t') (°F.)	37.8	39.4	41.1	
15		Difference (t—t')	6.2	10.9	11.2	
16	T_sT_s	Dew point (°F.)	29	24	26	
17	U	Relative humidity (%)	54	33	35	
18		Vapor pressure (inches)	.159	.174	.137	
19		Min. thermometer at observation	44.0	43.6	49.7	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	— (12)	(24)		
21		Max. thermometer at observation	52.0	50.6	52.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1740	—	—	
25	RR	Total precipitation past 6 hours	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1022.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	N	N	
32	F	Wind velocity (m. p. h.)	12	17	14	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.200		
37		Total correction		-.181		
38		Station pressure		30.019		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.19		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)	IMC	EMP. #0574			48
t_{-6}	Temperature 6 hrs. previously °F		DATE CHANGED			49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)		FEB 10, 1948			51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM: FEB 1 1 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1710 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	0	0	
6	h	Clouds, height of lowest	—	—		
7	N_h	Clouds, amount of lowest	—	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	3.5	40	50	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.5	52.2	56.2	
14		Wet bulb temperature (t') (°F.)	36.5	40.1	42.1	
15		Difference (t—t')	10.0	12.1	14.1	
16	T_sT_s	Dew point (°F.)	21.3	23.2	22	
17	U	Relative humidity (%)	33	30	25	
18		Vapor pressure (inches)	.108	.119	.113	
19		Min. thermometer at observation	45.1	46.1	52.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	52.3	52.2	56.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1002.61		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NE	N	N	
32	F	Wind velocity (m. p. h.)	12	12	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		750		
36		Observed barometer reading		30.310		
37		Total correction		-181		
38		Station pressure		30.129		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)				
44		Time of filing (L. S. T.)		30.30		
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 12 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0800 LST	1400 LST	2000 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1 x	0	1 NW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	—	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	0	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	2	0	1	
10	V—VV	Visibility (miles and fractions)	2	7	15	
11	ww	Present weather	01,05,17	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	45.2	53.1	53.6	
14		Wet bulb temperature (t') (°F.)	37.9	40.2	45.1	
15		Difference (t—t')	7.3	12.9	8.5	
16	T_sT_s	Dew point (°F.)	37	21	36	
17	U	Relative humidity (%)	73	26	59	
18		Vapor pressure (inches)	.20	.108	.212	
19		Min. thermometer at observation	42.8	45.1	52.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.2	53.1	57.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1028.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SE	W	
32	F	Wind velocity (m. p. h.)	4	6	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.000		
37		Total correction		-.186		
38		Station pressure		30.214		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.38		
44		Time of filing (L. S. T.)	8A	5	5	
45		Initials of observer				

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

K-H — Bozon — 1012 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM FEB 13 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 E		5 N	
3	C_M	Clouds, middle (type and direction)	0			
4	C_H	Clouds, high (type and direction)	0	7 W	7	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	E	W	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9		1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	10	9+	
10	V—VV	Visibility (miles and fractions)	2	4	4	
11	ww	Present weather	03 17	03 05 17	03 05 17	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	44.0	48.0	53.0	
14		Wet bulb temperature (t') (°F.)	40.6	42.2	44.0	
15		Difference (t—t')	3.4	5.8	9.0	
16	T_sT_s	Dew point (°F.)	37	35	33	
17	U	Relative humidity (%)	75	61	46	
18		Vapor pressure (inches)	.220	.203	.188	
19		Min. thermometer at observation	41.3	43.8	48.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.6	49.0	53.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1026.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	NNW	NW	
32	F	Wind velocity (m. p. h.)	2	6	8	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached therinometer reading		76.5		
36		Observed barometer reading		30.333		
37		Total correction		-.185		
38		Station pressure		30.148		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.32		
44		Time of filing (L. S. T.)	6	20		
45		Initials of observer			KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

K—0600 — 1720	60
H—1010 — 1720	
LT FROST AM	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	1			2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 14 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	7 X	0	0	
4	C_H	Clouds, high (type and direction)	X	1 X	1 X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	X	
6	h	Clouds, height of lowest	—			
7	N_h	Clouds, amount of lowest	—	3	1 —	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	3	1 —	
10	V—VV	Visibility (miles and fractions)	4	7	10	
11	ww	Present weather	03, 05, 17	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.0	54.6	57.6	
14		Wet bulb temperature (t′) (°F.)	43.0	45.0	47.3	
15		Difference (t—t′)	3.0	9.6	10.3	
16	T_sT_s	Dew point (°F.)	40	34	36	
17	U	Relative humidity (%)	80	46	45	
18		Vapor pressure (inches)	.248	.196	.217	
19		Min. thermometer at observation	44.5	45.0	57.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.0	54.9	61.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1023.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NE	SE	W	
32	F	Wind velocity (m. p. h.)	5	5	10	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.236		
37		Total correction		-.185		
38		Station pressure		30.051		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressnre (inches)		30.22		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

61.6
44.0
17.1

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HLR DNA — 10 C/0 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_p	S_p	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_p	S_p	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_p	S_p	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_p	S_p	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM: FEB 15 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	5SW	5W	
3	C_M	Clouds, middle (type and direction)	2X	X	3W	
4	C_H	Clouds, high (type and direction)	X	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	SW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	7	
10	V—VV	Visibility (miles and fractions)	4	7	15	
11	ww	Present weather	03,05,17	03,61	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.4	56.8	59.0	
14		Wet bulb temperature (t') (°F.)	45.1	54.0	55.3	
15		Difference (t—t')	2.3	2.8	3.7	
16	T_sT_s	Dew point (°F.)	43	52	53	
17	U	Relative humidity (%)	84	84	80	
18		Vapor pressure (inches)	.278	.390	.405	
19		Min. thermometer at observation	46.6	47.2	54.7	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.6	56.8	59.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	1010	1340	
25	RR	Total precipitation past 6 hours	0	T	T	
26	PPP	Sea-level pressure (mbs.)		1025.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SE	SW	
32	F	Wind velocity (m. p. h.)	6	5	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.288		
37		Total correction		-.185		
38		Station pressure		30.103		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.27		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— c	1010	1340	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HYK DNA—1115 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM FEB 16 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5	0	0	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	1 X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	9	—	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	0	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	0	1	
10	V—VV	Visibility (miles and fractions)	2	2	30	
11	ww	Present weather	03,08,17	00,17	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.2	59.0	65.5	
14		Wet bulb temperature (t') (°F.)	50.0	53.5	53.5	
15		Difference (t—t')	1.2	5.5	12.0	
16	T_sT_s	Dew point (°F.)	49	49	44	
17	U	Relative humidity (%)	92	70	45	
18		Vapor pressure (inches)	.349	.349	.289	
19		Min. thermometer at observation	49.4	50.0	58.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.0	59.0	67.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1340	—	—	
25	RR	Total precipitation past 6 hours	T.	—	—	
26	PPP	Sea-level pressure (mbs.)		1026.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	SE	W	
32	F	Wind velocity (m. p. h.)	~	4	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.335		
37		Total correction		186		
38		Station pressure		30.147		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.32		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	[illegible]	LB	

69.0
49.4
7.6

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Fog back no. over Bay 60
+ Golden Gate
— 0600 — 1000
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	28	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 17 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ..th Mer. Time	810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	1 X	3 W	7 SW	
4	C_H	Clouds, high (type and direction)	X	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	W	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	8	9+	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	8	9+	
10	V—VV	Visibility (miles and fractions)	3	6	10	
11	ww	Present weather	03 05 17	09 05 17	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.0	62.1	63.0	
14		Wet bulb temperature (t') (°F.)	52.0	54.3	54.0	
15		Difference (t—t')	4.0	7.8	9.0	
16	T_sT_s	Dew point (°F.)	49	48	47	
17	U	Relative humidity (%)	77	60	55	
18		Vapor pressure (inches)	.349	.336	.324	
19		Min. thermometer at observation	54.0	54.6	62.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.8	63.1	70.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NE	N	SW	
32	F	Wind velocity (m. p. h.)	5	4	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.134		
37		Total correction		-.189		
38		Station pressure		29.945		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.11		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	2B	

70.1
-5.0

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t'	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K DNA — 1440 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. ____ to 0730 E. ____ ; ____ inches. 62

SPACES FOR CODING

Line numbers →		1	2	3			11		10	6	7		31		32	12	9		26			13		17	4	27		28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)		I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)		I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	46	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)		I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM FEB 18 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ... th Mer. Time	810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	0	5 W	
3	C_M	Clouds, middle (type and direction)	X	2 S	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	S	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	4	4	2	
11	ww	Present weather	03,05,17	03,05,17	03,05,17	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.3	54.1	50.1	
14		Wet bulb temperature (t') (°F.)	50.0	50.6	53.0	
15		Difference (t—t')	2.3	3.5	2.1	
16	T_sT_s	Dew point (°F.)	48	48	51	
17	U	Relative humidity (%)	85	79	84	
18		Vapor pressure (inches)	.336	.336	.376	
19		Min. thermometer at observation	50.6	51.6	51.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.1	55.1	57.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	1535	
25	RR	Total precipitation past 6 hours	0	0	.07	
26	PPP	Sea-level pressure (mbs.)		1021.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SE	N	
32	F	Wind velocity (m. p. h.)	3	4	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.184		
37		Total correction		-.188		
38		Station pressure		29.996		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.17		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ●	1405	1535	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+R DNA — 1710 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 19 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ... th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	X	7 X	
4	C_H	Clouds, high (type and direction)	X	X	1 X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9	9+	
10	V—VV	Visibility (miles and fractions)	7	7	7	
11	ww	Present weather	03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.2	54.6	56.5	
14		Wet bulb temperature (t') (°F.)	50.1	51.4	52.0	
15		Difference (t—t')	3.1	3.4	4.5	
16	T_sT_s	Dew point (°F.)	48	49	48	
17	U	Relative humidity (%)	86	80	74	
18		Vapor pressure (inches)	.336	.349	.336	
19		Min. thermometer at observation	50.2	50.3	54.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.2	57.1	59.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		102.34		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	NW	W	
32	F	Wind velocity (m. p. h.)	6	6	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.236		
37		Total correction		-.189		
38		Station pressure		30.047		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		71		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.22		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM FEB 20 1946 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 Fog	0	0	
3	C_M	Clouds, middle (type and direction)	X 0	0	0	
4	C_H	Clouds, high (type and direction)	X	6 (W)	6 (N)	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)				
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	9+	
8	h_ch_c	Ceiling	—			
9	N	Total amount of all clouds	10	9+	9+	
10	V—VV	Visibility (miles and fractions)	1/2	2	12	
11	ww	Present weather	0 [illegible]	03 03 17	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)		57.2	54.6	
14		Wet bulb temperature (t′) (°F.)		49.5	50.2	
15		Difference (t—t′)		7.7	4.4	
16	T_sT_s	Dew point (°F.)		42.4	46	
17	U	Relative humidity (%)		58	74	
18		Vapor pressure (inches)	[illegible]	.268	.312	
19		Min. thermometer at observation	[illegible]	45.1	54.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	45.0 (24)		
21		Max. thermometer at observation		57.2	61.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			61.3 (12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1023.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction		SE	S	
32	F	Wind velocity (m. p. h.)		6	16	
33	S_PS_P	Special phenomenon, general data	—	—	—	
34	s_ps_p	Special phenomenon, detailed data		—	—	
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		79.0		
36		Observed barometer reading		30.250		
37		Total correction		+.192		
38		Station pressure		30.058		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.228		
44		Time of filing (L. S. T.)				
45		Initials of observer	IB	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

= 0630 (R) — 1100	60
~~H~~+R — 1100 —	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0780 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	b	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM FEB 21 1948 (Month) (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0810 LST	1229 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	5W	5W	
3	C_M	Clouds, middle (type and direction)	1 NW	1NW	X	
4	C_H	Clouds, high (type and direction)	0	4X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	NW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	7	5	9+	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	7	8	9+	
10	V—VV	Visibility (miles and fractions)	5	12	10	
11	ww	Present weather	02,05,07	02	03	
12	W	Past weather				
13	TT	Dry bulb temperatnre (t) (°F.)	52.9	56.2	57.0	
14		Wet bulb temperature (t') (°F.)	48.7	53.0	54.0	
15		Difference (t—t')	4.2	3.2	3.0	
16	T_sT_s	Dew point (°F.)	45.2	50.3	52	
17	U	Relative humidity (%)	74	81	82	
18		Vapor pressure (inches)	.300	.362	.390	
19		Min. thermometer at observation	47.8	52.9	54.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.6	57.2	58.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	✓		
25	RR	Total precipitation past 6 hours	0	0		
26	PPP	Sea-level pressure (mbs.)		1026.8		
27	a	3-hour pressure characteristic				
28	pp	3-honr pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	W	W	
32	F	Wind velocity (m. p. h.)	2	13	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.234		
37		Total correction		.189		
38		Station pressure		30.145		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.32		
44		Time of filing (L. S. T.)				
45		Initials of observer	KS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K DNA -1015 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3				11		10	6	7	31		32	12	9	26			18		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 22 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ... th Mer. Time	0900 LST	1200 LST	1600 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	2W	2W	2W	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	3	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	9+	
10	V—VV	Visibility (miles and fractions)	10	10	20	
11	ww	Present weather	03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.1	55.0	54.1	
14		Wet bulb temperature (t′) (°F.)	49.9	49.9	49.8	
15		Difference (t—t′)	4.2	5.1	4.3	
16	T_sT_s	Dew point (°F.)	46	45	46	
17	U	Relative humidity (%)	74	70	74	
18		Vapor pressure (inches)	.312	.300	.312	
19		Min. thermometer at observation	51.2	53.2	53.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.0	55.8	55.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0730			
25	RR	Total precipitation past 6 hours	.09	0		
26	PPP	Sea-level pressure (mbs.)		1020.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	W	NW	
32	F	Wind velocity (m. p. h.)	10	12	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.138		
37		Total correction		-.186		
38		Station pressure		29.952		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.12		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	0015	0730	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. ____ to 0730 E. ____ ; ____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 23 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ___th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	[illegible]	0	0	
3	C_M	Clouds, middle (type and direction)	[illegible]	1 X	1 N	
4	C_H	Clouds, high (type and direction)	[illegible]	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	[illegible]	X	N	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1-	1-	5	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1-	1-	5	
10	V—VV	Visibility (miles and fractions)	40	40	45	
11	ww	Present weather	00	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.5	55.0	60.1	
14		Wet bulb temperature (t′) (°F.)	34.0	41.8	44.5	
15		Difference (t—t′)	[illegible]	13.2	15.6	
16	T_sT_s	Dew point (°F.)	26	24	24	
17	U	Relative humidity (%)	46	28	23	
18		Vapor pressure (inches)	.150	.124	.124	
19		Min. thermometer at observation	44.0	46.0	54.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.1	55.0	60.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	NW	NW	
32	F	Wind velocity (m. p. h.)	12	16	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.040		
37		Total correction		-185		
38		Station pressure		29.855		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.03		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. ____ to 0730 E. ____ ; ____ inches. 62

SPACES FOR CODING

46

Line numbers →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (3V4) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 24 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	4 (X)	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	(X)	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1-	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1-	0	0	
10	V—VV	Visibility (miles and fractions)	15	30	40	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.1	61.0	60.0	
14		Wet hulb temperature (t') (°F.)	42.1	44.7	50.0	
15		Difference (t—t')	11.0	16.3	10.0	
16	T_sT_s	Dew point (°F.)	28	33	40	
17	U	Relative humidity (%)	36	22	49	
18		Vapor pressure (inches)	.150	.119	.248	
19		Min. thermometer at observation	50.7	53.1	57.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.1	68.0	64.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1020.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	NW	W	
32	F	Wind velocity (m. p. h.)	7	10	14	
33	S_PS_P	Special phenomenon, general data	—	—		
34	s_ps_p	Special phenomenon, detailed data	—	—		
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.111		
37		Total correction		-181		
38		Station pressure		29.930		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.110		
44		Time of filing (L. S. T.)				
45		Initials of observer	T.F.E	R S	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		8		10		23	24	25		29			30	33		34		
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 25 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	6 NW	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	8	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	0	0	
10	V—VV	Visibility (miles and fractions)	5	5	8	
11	ww	Present weather	02,05,17	00,05,17	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.2	59.2	53.4	
14		Wet bulb temperature (t') (°F.)	45.0	47.1	48.2	
15		Difference (t—t')	7.2	12.1	5.2	
16	T_sT_s	Dew point (°F.)	36	34	43	
17	U	Relative humidity (%)	54	38	66	
18		Vapor pressure (inches)	.212	.196	.278	
19		Min. thermometer at observation	47.1	51.1	53.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.8	61.4	59.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1020.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	Calm	NW	W	
32	F	Wind velocity (m. p. h.)		7	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.150		
37		Total correction		-.183		
38		Station pressure		30.067		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.14		
44		Time of filing (L. S. T.)	[illegible]	FS	FS	
45		Initials of observer				

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

K-H Bar drawn 1412 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM FEB 26 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

MC EMP. #903 DATE CHANGED 2-26-48

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 (X)	5 (W)	0	
3	C_M	Clouds, middle (type and direction)	0	X	0	
4	C_H	Clouds, high (type and direction)	0	X	1 X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	W	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	10	1 —	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	10	1 —	
10	V—VV	Visibility (miles and fractions)	5	8	15	
11	ww	Present weather	02,05,17	03	00	
12	W	Past weather	1			
13	TT	Dry bulb temperature (t) (°F.)	50.0	53.2	54.2	
14		Wet bulb temperature (t') (°F.)	47.4	50.9	49.8	
15		Difference (t—t')	2.6	2.3	4.4	
16	T_sT_s	Dew point (°F.)	45	49	46	
17	U	Relative humidity (%)	82	85	73	
18		Vapor pressure (inches)	.300	.349	.312	
19		Min. thermometer at observation	48.1	47.6	52.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.4	54.9	55.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1020.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	W	W	
32	F	Wind velocity (m. p. h.)	6	9	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.151		
37		Total correction		-185		
38		Station pressure		29.966		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.14		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATION

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HAT DNA — 1040	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →		2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (354) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM FEB 27 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1410 LST	2010 LST	LST
2	C_L	Clouds, low (type and direction)	5 (N)	0	0	
3	C_M	Clouds, middle (type and direction)	0	7W	7W	
4	C_H	Clouds, high (type and direction)	6 (N)	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	N	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	8	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	8	10	
10	V—VV	Visibility (miles and fractions)	8	10	15	
11	ww	Present weather	02	02	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.0	51.3	50.4	
14		Wet bulb temperature (t′) (°F.)	44.1	48.3	46.0	
15		Difference (t—t′)	2.9	3.0	4.4	
16	T_sT_s	Dew point (°F.)	41	37	42	
17	U	Relative humidity (%)	80	57	72	
18		Vapor pressure (inches)	.258	.220	.268	
19		Min. thermometer at observation	45.1	[illegible]	47.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.4	52.3	52.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1022.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NE	W	W	
32	F	Wind velocity (m. p. h.)	8	12	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.186		
37		Total correction		-.186		
38		Station pressure	—	29.952		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.11		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.12		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	ES	ES	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	2230 (G)	GMT	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (372) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM FEB 28 1948 (Month) (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	1 NW	1 W	4 W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	5	6	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	5	6	
10	V—VV	Visibility (miles and fractions)	20	30	30	
11	ww	Present weather	01	01	02	
12	W	Past weather	6			
13	TT	Dry bulb temperature (t) (°F.)	46.2	51.0	54.5	
14		Wet bulb temperature (t′) (°F.)	43.0	44.2	46.0	
15		Difference (t—t′)	3.2	6.8	8.5	
16	T_sT_s	Dew point (°F.)	40	36	36	
17	U	Relative humidity (%)	77	57	50	
18		Vapor pressure (inches)	.248	.212	.212	
19		Min. thermometer at observation	46.1	46.0	51.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	50.5	51.5	56.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0145	—	—	
25	RR	Total precipitation past 6 hours	.38	—	—	
26	PPP	Sea-level pressure (mbs.)		1013.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	W	W	
32	F	Wind velocity (m. p. h.)	10	13	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.950		
37		Total correction		-182		
38		Station pressure		29.768		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.94		
44		Time of filing (L. S. T.)				
45		Initials of observer	LN	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	CONT.	0145	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	1	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM FEB 29 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ..th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	1 X	1 W	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	X	W	
6	h	Clouds, height of lowest	—	—	—	
7	N_h	Clouds, amount of lowest	0	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	1	1	
10	V—VV	Visibility (miles and fractions)	8	8	15	
11	ww	Present weather	00	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.9	59.0	54.0	
14		Wet bulb temperature (t′) (°F.)	46.2	48.5	48.0	
15		Difference (t—t′)	3.7	10.5	6.0	
16	T_sT_s	Dew point (°F.)	42	37	43	
17	U	Relative humidity (%)	74	45	65	
18		Vapor pressure (inches)	.268	.220	.278	
19		Min. thermometer at observation	44.8	50.0	54.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.8	59.0	60.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours				
26	PPP	Sea-level pressure (mbs.)		1017.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	NW	W	
32	F	Wind velocity (m. p. h.)	2	4	16	
33	S_PS_P	Special phenomenon, general data	—	—	—	
34	s_ps_p	Special phenomenon, detailed data	—	—	—	
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		79.0		
36		Observed barometer reading		30.074		
37		Total correction		-191		
38		Station pressure		29.883		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.05		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →		2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28			16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM MAR 1 1948 (Month) (Day) (Year)

TO _____ (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 NE	0	5 W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	2NW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	(NE)	—	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	3	0	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	3	0	2	
10	V—VV	Visibility (miles and fractions)	10+	10	20	
11	ww	Present weather	01,17	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	48.0	57.1	52.6	
14		Wet bulb temperature (t') (°F.)	45.9	48.0	49.0	
15		Difference (t—t')	2.1	9.1	3.6	
16	T_sT_s	Dew point (°F.)	44	39.1	46	
17	U	Relative humidity (%)	86	50	77	
18		Vapor pressure (inches)	.289	.238	.312	
19		Min. thermometer at observation	45.8	48.0	52.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.2	57.2	57.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation ~~past 6 hours~~	0	0		
26	PPP	Sea-level pressure (mbs.)		1020.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	NW	W	
32	F	Wind velocity (m. p. h.)	6	4	16	
33	S_pS_p	Special phenomenon, general data	—			
34	s_ps_p	Special phenomenon, detailed data	—			
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.150		
37		Total correction		-.186		
38		Station pressure		29.964		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.13		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

smoke DNA - 10%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.
*	*	*	*
#	#	#	#

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches.

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29		30		—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAR 2 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 NW	0	0	
3	C_M	Clouds, middle (type and direction)	7 NW	7 NW	0	
4	C_H	Clouds, high (type and direction)	0	0	6 N	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	0	N	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	5	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	5	4	
10	V—VV	Visibility (miles and fractions)	15	20	20	
11	ww	Present weather	02	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	48.7	52.3	53.4	
14		Wet bulb temperature (t') (°F.)	45.0	47.1	46.9	
15		Difference (t—t')	3.7	5.2	6.5	
16	T_sT_s	Dew point (°F.)	41	42	40	
17	U	Relative humidity (%)	75	68	61	
18		Vapor pressure (inches)	.258	.268	.248	
19		Min. thermometer at observation	48.1	48.2	52.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	52.8	52.3	53.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation ~~past 6 hours~~	—	—		
26	PPP	Sea-level pressure (mbs.)	0	0		
27	a	3-hour pressure characteristic		1018.3		
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	17	21	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.080		
37		Total correction		-.185		
38		Station pressure		29.895		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.07		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →		2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

CITY OFFICE MAR 3 1948

FROM _____ (Month) (Day) (Year)

TO _____ (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1 X	6 (X)	6 X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	3	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	3	1	
10	V—VV	Visibility (miles and fractions)	3	20	20	
11	ww	Present weather	01	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	48.4	54.8	55.4	
14		Wet bulb temperature (t′) (°F.)	44.2	42.0	45.0	
15		Difference (t—t′)	4.2	12.8	10.4	
16	T_sT_s	Dew point (°F.)	40	25	33	
17	U	Relative humidity (%)	72	30	42	
18		Vapor pressure (inches)	.248	.130	.188	
19		Min. thermometer at observation	43.9	48.4	54.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.6	55.8	57.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1020.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	CALM	NW	W	
32	F	Wind velocity (m. p. h.)	0	13	12	
33	S_PS_P	Special phenomenon, general data		—		
34	s_ps_p	Special phenomenon, detailed data		—		
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.150		
37		Total correction		-185		
38		Station pressure		29.965		
39		Tmp. 12 hours previously (t_2)		71.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.13		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HAZY DNA — 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3		11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAR 4 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	1W	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	0	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	1-	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	1-	
10	V—VV	Visibility (miles and fractions)	15	30	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.1	57.3	59.0	
14		Wet hulb temperature (t′) (°F.)	40.0	42.3	44.0	
15		Difference (t—t′)	12.1	15.1	13.0	
16	T_sT_s	Dew point (°F.)	22+4	20	27	
17	U	Relative humidity (%)	29	22	31	
18		Vapor pressure (inches)	.113	.103	.172	
19		Min. thermometer at observation	49.2	51.8	56.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.8	56.1	61.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1023.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	NW	W	
32	F	Wind velocity (m. p. h.)	6	9	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.230		
37		Total correction		-.186		
38		Station pressure		30.044		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		77.0		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.21		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Lt. frost outlying sections this morning 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (974) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA ~~CITY OFFICE~~

FROM MAR 5 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120 th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5/SW	5 SW	5 W	
3	C_M	Clouds, middle (type and direction)	0	2 X	2 X	
4	C_H	Clouds, high (type and direction)	7/W	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)				
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	2	9	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	10	9	
10	V—VV	Visibility (miles and fractions)	5	10	8	
11	ww	Present weather	03,05,17	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.7	53.5	51.9	
14		Wet bulb temperature (t′) (°F.)	45.7	49.4	49.1	
15		Difference (t—t′)	4.0	6.1	2.8	
16	T_sT_s	Dew point (°F.)	42	41	47	
17	U	Relative humidity (%)	74	63	82	
18		Vapor pressure (inches)	.268	.258	.324	
19		Min. thermometer at observation	45.9	49.1	50.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.0	55.0	54.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	T	
26	PPP	Sea-level pressure (mbs.)		1025.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	7	10	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.258		
37		Total correction		.196		
38		Station pressure		30.062		
39		Tmp. 12 hours previously (t_2)		47.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.27		
44		Time of filing (L. S. T.)	[illegible]	KJS	KJS	
45		Initials of observer				

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ●	1225	12:30	59
— ●	1350	14:32	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Unsc. & Unmsg. DNA — 1010 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8			10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM MAR 6 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, 75th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	1 W	0	0	
4	C_H	Clouds, high (type and direction)	0	1 W	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	1	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	1	0	
10	V—VV	Visibility (miles and fractions)	8	15	20	
11	ww	Present weather	01	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	50.0	55.6	54.1	
14		Wet bulb temperature (t′) (°F.)	46.0	48.1	49.0	
15		Difference (t—t′)	4.0	7.5	5.1	
16	T_sT_s	Dew point (°F.)	42	41-2	44	
17	U	Relative humidity (%)	74	58	69	
18		Vapor pressure (inches)	.268	.258	.289	
19		Min. thermometer at observation	45.1	49.1	53.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.0	57.3	57.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1023.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	Calm	W	W	
32	F	Wind velocity (m. p. h.)	0	10	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.24		
37		Total correction		-.186		
38		Station pressure		30.28		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		+17		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.21		
44		Time of filing (L. S. T.)				
45		Initials of observer	JB	KS	KS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (474) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

FROM: (Month) (Day) (Year)

TO: (Month) (Day) (Year)

CITY OFFICE MAR 7 1948

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 NW	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	1 N	1 N	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	N	N	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	1	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	2	1	3	
10	V—VV	Visibility (miles and fractions)	7	10	20	
11	ww	Present weather	01	00	01	
12	W	Past weather				
13	TT	Dry bulh temperatnre (t) (°F.)	51.6	59.5	57.2	
14		Wet bulh temperature (t') (°F.)	47.1	47.0	48.0	
15		Difference (t—t')	5.5	12.5	9.2	
16	T_sT_s	Dew point (°F.)	43.3	33	39	
17	U	Relative humidity (%)	69	37	50	
18		Vapor pressure (inches)	.268	.188	.238	
19		Min. thermometer at observation	45.2	51.6	56.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.3	60.2	60.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1022.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Heigbt 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	NW	W	
32	F	Wind velocity (m. p. h.)	5	5	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special pbenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		29.50		
36		Observed barometer reading		29.42		
37		Total correction		-.18		
38		Station pressure		29.24		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47.1		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.13		
44		Time of filing (L. S. T.)				
45		Initials of observer				

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAR 8 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 (X)	5 (X)	5 X	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	10	10	3	
11	ww	Present weather	03	62,03	63	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	50.1	49.4	53.0	
14		Wet bulb temperature (t') (°F.)	46.2	48.0	53.0	
15		Difference (t—t')	3.9	1.4	0.0	
16	T_sT_s	Dew point (°F.)	42	47	53.0	
17	U	Relative humidity (%)	73	91	100	
18		Vapor pressure (inches)	.268	.334	.405	
19		Min. thermometer at observation	47.4	49.4	49.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.4	50.2	53.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation		0820	1430	
25	RR	Total precipitation past 6 hours		.16	.12	
26	PPP	Sea-level pressure (mbs.)		1016.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	W	
32	F	Wind velocity (m. p. h.)	10	9	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.032		
37		Total correction		-182		
38		Station pressure		29.850		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
RAIN	0820	1430	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26		13		17	4	27	28	16		5	20/22	—	8		10	—	23	24	25	—	29		30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

CITY OFFICE MAR 9 1948

FROM _____ (Month) (Day) (Year)

TO _____ (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0810 LST	2110 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	1 (X)	2 (W)	5 W	
3	C_M	Clouds, middle (type and direction)	4 (X)	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	5	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	5	1	
10	V—VV	Visibility (miles and fractions)	20	25	30	
11	ww	Present weather	01	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	48.0	54.0	53.7	
14		Wet bulb temperature (t') (°F.)	45.1	49.0	49.0	
15		Difference (t—t')	2.9	5.0	4.7	
16	T_sT_s	Dew point (°F.)	43	44	45	
17	U	Relative humidity (%)	82	70	72	
18		Vapor pressure (inches)	.278	.289	.300	
19		Min. thermometer at observation	44.6	48.0	52.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.2	54.0	55.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	0	0		
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	W	W	
32	F	Wind velocity (m. p. h.)	9	12	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.008		
37		Total correction		−184		
38		Station pressure		29.824		
39		Tmp. 12 hours previously (t_2)		417		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE MAR 10 1948

FROM _____ (Month) (Day) (Year)

TO _____ (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	06 LST	18 LST	06 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	1 ✗	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	✗	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	1—	
10	V—VV	Visibility (miles and fractions)	15	20	25	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.4	55.1	57.5	
14		Wet bulb temperature (t′) (°F.)	45.2	44.0	45.5	
15		Difference (t—t′)	6.2	11.1	12.0	
16	T_sT_s	Dew point (°F.)	39.2	30.2	31	
17	U	Relative humidity (%)	62	38	35	
18		Vapor pressure (inches)	.238	.165	.172	
19		Min. thermometer at observation	46.4	51.4	55.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.1	55.4	60.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)				
27	a	3-hour pressure characteristic		1019.6		
28	pp	3-hour pressure change		1		
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	NW	W-	
32	F	Wind velocity (m. p. h.)	0	6	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.120		
37		Total correction		−183		
38		Station pressure		29.937		
39		Tmp. 12 hours previously (t_2)		47.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.11		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	R.S.	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 3083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

CITY OFFICE MAR 1 1 1948

FROM _____ (Month) (Day) (Year)

TO _____ (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	10 (R)	2 W	3 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	8	8	8	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	8	8	
10	V—VV	Visibility (miles and fractions)	8	10	15	
11	ww	Present weather	02	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	48.0	56.3	57.1	
14		Wet bulb temperature (t') (°F.)	45.1	45.2	49.1	
15		Difference (t—t')	2.5	11.1	8.0	
16	T_sT_s	Dew point (°F.)	42	32	44	
17	U	Relative humidity (%)	79	39	56	
18		Vapor pressure (inches)	.268	.180	.258	
19		Min. thermometer at observation	45.2	47.7	55.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.0	57.1	61.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SE	W	
32	F	Wind velocity (m. p. h.)	4	5	9	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.050		
37		Total correction		-.185		
38		Station pressure		29.865		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.03		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	FS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers	1			2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM: MAR 12 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0830 LST	1430 LST	1630 LST	LST
2	C_L	Clouds, low (type and direction)	5 x	5 (SW)	5 (SW)	
3	C_M	Clouds, middle (type and direction)	7 SW	7 (SW)	x	
4	C_H	Clouds, high (type and direction)	x	x	x	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	8	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	10	10	
10	V—VV	Visibility (miles and fractions)	3	20	8	
11	ww	Present weather	03,05,17	03	61-03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.3	55.4	53.5	
14		Wet bulb temperature (t') (°F.)	47.0	48.4	48.4	
15		Difference (t—t')	4.3	7.0	4.1	
16	T_sT_s	Dew point (°F.)	43.5	42	45	
17	U	Relative humidity (%)	73	60	74	
18		Vapor pressure (inches)	.278	.268	.300	
19		Min. thermometer at observation	49.7	51.3	53.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.1	55.4	55.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground			0	
24	R_t	Time of precipitation	—	—	1215	
25	RR	Total precipitation past 6 hours	0	0	.04	
26	PPP	Sea-level pressure (mbs.)		1012.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	S	S	
32	F	Wind velocity (m. p. h.)	3	17	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		29.911		
37		Total correction		—.184		
38		Station pressure		29.731		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.191		
44		Time of filing (L. S. T.)				
45		Initials of observer		RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
s — Lgt Rain	1915	1928	59
o — Lgt Rain	1552	Cont	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29		30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM MAR 13 1948 (Month) (Day) (Year)

TO _____ (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0810 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 S	2 S	8 ST W	
3	C_M	Clouds, middle (type and direction)	X	X	10 AS	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	S	S		
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	8	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	10	6	10	
11	ww	Present weather	63	62	03	
12	W	Past weather		6		
13	TT	Dry bulb temperature (t) (°F.)	51.0	50.6	52.5	
14		Wet hulb temperature (t′) (°F.)	49.0	49.0	49.0	
15		Difference (t—t′)	2.0	1.6	3.5	
16	T_sT_s	Dew point (°F.)	47.1	48	46	
17	U	Relative humidity (%)	86	89	78	
18		Vapor pressure (inches)	.324	.336	.312	
19		Min. thermometer at observation	[illegible]	49.3	49.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.5	51.2	53.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1558	1552	1530	
25	RR	Total precipitation ~~past 6 hours~~	.90	.05	.02	
26	PPP	Sea-level pressure (mbs.)	1	1010.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	E	W	
32	F	Wind velocity (m. p. h.)	5	4	8	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		29.84		
37		Total correction		-.183		
38		Station pressure		29.659		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.83		
44		Time of filing (L. S. T.)				
45		Initials of observer	KS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	1528	1530	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE MAR 1 4 1948

FROM _____ (Month) _____ (Day) _____ (Year)

TO _____ (Month) _____ (Day) _____ (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 X	5 X	5 (SW)	
3	C_M	Clouds, middle (type and direction)	7 X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9+	9+	9+	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	9+	9+	
10	V—VV	Visibility (miles and fractions)	12	20	25	
11	ww	Present weather	03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.1	50.2	53.2	
14		Wet bulb temperature (t′) (°F.)	46.0	46.0	46.8	
15		Difference (t—t′)	6.1	4.2	5.4	
16	T_sT_s	Dew point (°F.)	40	42	41	
17	U	Relative humidity (%)	62	73	66	
18		Vapor pressure (inches)	.248	.268	.258	
19		Min. thermometer at observation	47.3	48.0	47.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	52.5	52.1	53.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground		0		
24	R_t	Time of precipitation	0210	0922	1448	
25	RR	Total precipitation past 6 hours	.01	1024	.02	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	5	9	9	
33	S_PS_P	Special phenomenon, general data	—	—	—	
34	s_ps_p	Special phenomenon, detailed data	—	—	—	
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.990		
37		Total correction		−.182		
38		Station pressure		29.808		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R—	0200	0210	59
R—	0922	1017	
R—	1042	1057	
R—	1215	1223	
R—	1342	1347	
R—	1410	1419	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

R— B 1702-1728 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM MAR 15 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/ 120th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	0	7 W	1 X	
3	C_M	Clouds, middle (type and direction)	0	7 W	1 W	
4	C_H	Clouds, high (type and direction)	0	0	4	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	W	W	
6	h	Clouds, height of lowest		1	-	
7	N_h	Clouds, amount of lowest	0	7	1	
8	h_ch_c	Ceiling			—	
9	N	Total amount of all clouds	0	8	9+	
10	V—VV	Visibility (miles and fractions)	7	10	2.5	
11	ww	Present weather	00	02	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.0	53.2	51.0	
14		Wet bulb temperature (t′) (°F.)	42.0	45.3	44.5	
15		Difference (t—t′)	4.0	7.9	6.5	
16	T_sT_s	Dew point (°F.)	37.3	37.2	38.5	
17	U	Relative humidity (%)	71	53	60	
18		Vapor pressure (inches)	.220	.220	.229	
19		Min. thermometer at observation	44.2	45.4	51.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.0	54.3	56.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1720	—	—	
25	RR	Total precipitation ~~past 6 hours~~	.04	0	0	
26	PPP	Sea-level pressure (mbs.)		1031.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	5	7	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.16		
37		Total correction		-.153		
38		Station pressure		30.003		
39		Tmp. 12 hours previously (t_2)		51.0		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.17		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	2035	CONT.	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (974) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

CITY OFFICE
MAR 16 1948

FROM ____ (Month) ____ (Day) ____ (Year)

TO ____ (Month) ____ (Day) ____ (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ___th Mer. Time	07/10 LST	12/10 LST	16/ LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	8 W	5 SW	
3	C_M	Clouds, middle (type and direction)	X	0	4 SW	
4	C_H	Clouds, high (type and direction)	X	0		
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	W	SW	
6	h	Clouds, height of lowest	—			
7	N_h	Clouds, amount of lowest	10	8	8	
8	h_ch_c	Ceiling	—		/	
9	N	Total amount of all clouds	10	8	8	
10	V—VV	Visibility (miles and fractions)	7	15	20	
11	ww	Present weather	03, 62	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	48.8	53.4	52.3	
14		Wet bulb temperature (t′) (°F.)	46.8	49.0	47.1	
15		Difference (t—t′)	2.0	4.4	5.2	
16	T_sT_s	Dew point (°F.)	45	45	42	
17	U	Relative humidity (%)	85	73	67	
18		Vapor pressure (inches)	.300	.300	.268	
19		Min. thermometer at observation	46.0	47.7	53.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	51.0	54.0	54.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	2030	1050	1241	
25	RR	Total precipitation past 6 hours	.14	.03	T	
26	PPP	Sea-level pressure (mbs.)		1011.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SW	NW	
32	F	Wind velocity (m. p. h.)	6	11	9	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.880		
37		Total correction		-.182		
38		Station pressure		29.698		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.87		
44		Time of filing (L. S. T.)				
45		Initials of observer	28	S	DS	

SPACES FOR CODING

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— • Lt RAIN	2011	1050	59
— ▽	122.5	1241	
— ▽	2310	2350	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. ____ to 0730 E. ____ ; ____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM: MAR 17 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	8W	2 W	2 W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	5	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	5	2	
10	V—VV	Visibility (miles and fractions)	7	8	20	
11	ww	Present weather	03	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.0	51.8	52.2	
14		Wet bulb temperature (t') (°F.)	44.0	45.1	46.1	
15		Difference (t—t')	2.0	6.7	6.1	
16	T_dT_d	Dew point (°F.)	42	38	40	
17	U	Relative humidity (%)	86	59	63	
18		Vapor pressure (inches)	.268	.229	.248	
19		Min. thermometer at observation	44.8	44.3	51.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.1	51.8	54.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	.05	.09	0	
26	PPP	Sea-level pressure (mbs.)		1013.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NE	NW	W	
32	F	Wind velocity (m. p. h.)	4	9	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.850		
37		Total correction		—.182		
38		Station pressure		29.668		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.91		
44		Time of filing (L. S. T.)				
45		Initials of observer	ES	RR		

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	0615	0920	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_d	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_d	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (334) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM: MAR 18 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, 75th Mer. Time	07 LST	13 LST	19 LST	LST
2	C_L	Clouds, low (type and direction)	1 W	1 W	5 (W)	
3	C_M	Clouds, middle (type and direction)	0	4 W	X	
4	C_H	Clouds, high (type and direction)	0	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W		W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	3	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	3	10	
10	V—VV	Visibility (miles and fractions)	7	20	15	
11	ww	Present weather	00	01	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.2	51.4	51.4	
14		Wet bulb temperature (t′) (°F.)	44.2	45.2	46.4	
15		Difference (t—t′)	3.2	6.4	5.0	
16	T_sT_s	Dew point (°F.)	41.4	38	42	
17	U	Relative humidity (%)	78	60	70	
18		Vapor pressure (inches)	.258	.229	.268	
19		Min. thermometer at observation	45.2	47.2	51.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	52.3	52.1	52.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	—	—	—	
26	PPP	Sea-level pressure (mbs.)	0	0	0	
27	a	3-hour pressure characteristic		1016.6		
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	SW	
32	F	Wind velocity (m. p. h.)	6	7	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.026		
37		Total correction		-.184		
38		Station pressure		29.842		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)				—	48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
• — RAIN	1712	2350	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1983 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAR 19 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)		1 NW	1 NW	
3	C_M	Clouds, middle (type and direction)	1 (NW)	0	0	
4	C_H	Clouds, high (type and direction)	3 (NW)	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	NW	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	5	2	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	5	2	1	
10	V—VV	Visibility (miles and fractions)	12	20	25	
11	ww	Present weather	02	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.9	50.1	50.2	
14		Wet bulb temperature (t′) (°F.)	43.0	44.0	44.0	
15		Difference (t—t′)	3.9	6.1	6.2	
16	T_sT_s	Dew point (°F.)	39.8	37	37	
17	U	Relative humidity (%)	73	60	60	
18		Vapor pressure (inches)	.238	.220	.220	
19		Min. thermometer at observation	44.5	45.8	48.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	51.4	50.6	57.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	0			
24	R_t	Time of precipitation		—	—	
25	RR	Total precipitation past 6 hours	.21	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	12	18	30	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.025		
37		Total correction		-.182		
38		Station pressure		29.843		
39		Tmp. 12 hours previously (t_2)		71.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.01		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM: MAR 20 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	4 W	5 NW	
3	C_M	Clouds, middle (type and direction)	0	1 X	7 X	
4	C_H	Clouds, high (type and direction)	7 NW	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	X	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	2	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	4	5	
10	V—VV	Visibility (miles and fractions)	15	35	30	
11	ww	Present weather	03	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	45.7	53.0	62.0	
14		Wet bulb temperature (t′) (°F.)	39.8	45.0	46.0	
15		Difference (t—t′)	5.9	8.0	6.0	
16	T_sT_s	Dew point (°F.)	32	35	40	
17	U	Relative humidity (%)	58	50	64	
18		Vapor pressure (inches)	.180	.204	.248	
19		Min. thermometer at observation	45.0	45.7	51.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	50.6	54.1	54.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1023.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	W	W	
32	F	Wind velocity (m. p. h.)	5	9	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.250		
37		Total correction		-188		
38		Station pressure		30.062		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.23		
44		Time of filing (L. S. T.)				
45		Initials of observer	KPS	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM: MAR 21 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	2 X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	W	W	
6	h	Clouds, height of lowest	—	—	—	
7	N_h	Clouds, amount of lowest	10	8	20	
8	h_ch_c	Ceiling	—	—	—	
9	N	Total amount of all clouds	10	8	2	
10	V—VV	Visibility (miles and fractions)	7	10	20	
11	ww	Present weather	03	02	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.2	54.0	56.0	
14		Wet bulb temperature (t′) (°F.)	46.0	49.5	51.0	
15		Difference (t—t′)	3.2	4.5	5.0	
16	T_sT_s	Dew point (°F.)	43	45	46	
17	U	Relative humidity (%)	79	73	70	
18		Vapor pressure (inches)	.278	.300	.312	
19		Min. thermometer at observation	46.5	48.1	54.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	52.1	56.8	59.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1025.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhb	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	E	W	
32	F	Wind velocity (m. p. h.)	6	3	19	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		79.0		
36		Observed barometer reading		30.300		
37		Total correction		-.192		
38		Station pressure		30.108		
39		Tmp. 12 hours previously (t_2)		71.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.28		
44		Time of filing (L. S. T.)				
45		Initials of observer	DB	DB	DB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM MAR 22 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	5 SW	5 W	
3	C_M	Clouds, middle (type and direction)	X	X	7 SW	
4	C_H	Clouds, high (type and direction)	X	X	2 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	10	
8	h_cb_c	Ceiling				
9	N	Total amount of all clouds	10	9+	10	
10	V—VV	Visibility (miles and fractions)	8	20	2.5	
11	ww	Present weather	52,03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.2	55.0	53.6	
14		Wet bulb temperature (t') (°F.)	48.0	50.1	50.7	
15		Difference (t—t')	1.2	4.9	2.9	
16	T_sT_s	Dew point (°F.)	41.7	46	47.1	
17	U	Relative humidity (%)	96	72	72	
18		Vapor pressure (inches)	.324	.312	.324	
19		Min. thermometer at observation	48.7	49.2	54.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.6	55.0	57.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	0			
24	R_t	Time of precipitation	0741	0958	—	
25	RR	Total precipitation past 6 hours	T	T	0	
26	PPP	Sea-level pressure (mbs.)		1018.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhb	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SW	SW	
32	F	Wind velocity (m. p. h.)	6	9	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.5		
36		Observed barometer reading		30.084		
37		Total correction		-.189		
38		Station pressure		29.895		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		3207		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— 9	0741	0930	59
R—	0930	0958	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46																																															
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM: MAR 23 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	07 LST	13 LST	19 LST	LST
2	C_L	Clouds, low (type and direction)	5 SE	5 SE	5 S	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SE	SE	S	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	8	15	8	
11	ww	Present weather	62,03	03	62,03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.4	58.0	[illegible]	
14		Wet bulb temperature (t') (°F.)	51.0	53.0	[illegible]	
15		Difference (t—t')	1.4	5.0	[illegible]	
16	T_sT_s	Dew point (°F.)	[illegible]	49	[illegible]	
17	U	Relative humidity (%)	[illegible]	72	[illegible]	
18		Vapor pressure (inches)	[illegible]	.349	[illegible]	
19		Min. thermometer at observation	51.4	52.4	[illegible]	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.6	58.0	[illegible]	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	0	0		
24	R_t	Time of precipitation	0315	1145	[illegible]	
25	RR	Total precipitation past 6 hours	[illegible]	T	[illegible]	
26	PPP	Sea-level pressure (mbs.)		1007.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SE	[illegible]	
32	F	Wind velocity (m. p. h.)	18	20	10	
33	S_PS_P	Special phenomenon, general data		—		
34	s_ps_p	Special phenomenon, detailed data		—		
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.770		
37		Total correction		−.181		
38		Station pressure		29.589		
39		Tmp. 12 hours previously (t_2)		+19		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.776		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	0315	1145	59
—	1450	CONT	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1093 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAR 24 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 20th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	5 SW	8 W	
3	C_M	Clouds, middle (type and direction)	X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	4	
10	V—VV	Visibility (miles and fractions)	6	8	30	
11	ww	Present weather	62,03	62,03	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.1	46.1	50.0	
14		Wet bulb temperature (t') (°F.)	45.7	42.3	44.0	
15		Difference (t—t')	1.4	3.8	6.0	
16	T_sT_s	Dew point (°F.)	44.5	38	37.3	
17	U	Relative humidity (%)	90	73	61	
18		Vapor pressure (inches)	.289	.229	.290	
19		Min. thermometer at observation	45.3	45.1	45.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	51.7	49.3	51.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	0			
24	R_t	Time of precipitation	CONTd	CONT.	1440	
25	RR	Total precipitation past 6 hours	.52	.07	.04	
26	PPP	Sea-level pressure (mbs.)		1013.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	8	11	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		29.640		
37		Total correction		-.199		
38		Station pressure		29.442		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.62		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	ES	ES	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R-	Contd	1213	59
[illegible]	1435	1446	
[illegible]	1600	1660	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Hail B1443-E-1[illegible] 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM: MAR 25 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 (SW)	2 (SW)	1 [illegible]	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	[illegible]	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	3	5	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	3	5	1	
10	V—VV	Visibility (miles and fractions)	12	20	30	
11	ww	Present weather	01	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	45.2	50.4	[illegible]	
14		Wet hulb temperature (t′) (°F.)	41.8	44.8	[illegible]	
15		Difference (t—t′)	3.4	5.6	[illegible]	
16	T_dT_d	Dew point (°F.)	38	39	37+3	
17	U	Relative humidity (%)	76	65	57	
18		Vapor pressure (inches)	.229	.238	.230	
19		Min. thermometer at observation	43.1	45.2	49.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	50.0	50.4	54.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1640	1125	—	
25	RR	Total precipitation past 6 hours	.01	T	0	
26	PPP	Sea-level pressure (mbs.)		1023.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	E	[illegible]	
32	F	Wind velocity (m. p. h.)	3	3	10	
33	S_PS_P	Special phenomenon, general data	—	—		
34	s_ps_p	Special phenomenon, detailed data	—	—		
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.240		
37		Total correction		-186		
38		Station pressure		30.054		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.22		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R—	1015	1105	59
[illegible]	1120	1125	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAR 26 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)			0	
3	C_M	Clouds, middle (type and direction)			0	
4	C_H	Clouds, high (type and direction)	6 (N)		1	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X			
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest			0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	9+	1-	
10	V—VV	Visibility (miles and fractions)	20	25	25	
11	ww	Present weather	02	03	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.4	57.8	63.0	
14		Wet bulb temperature (t′) (°F.)	44.1	48.0	51.2	
15		Difference (t—t′)	2.3	9.8	11.9	
16	T_dT_d	Dew point (°F.)	42	37	40	
17	U	Relative humidity (%)	84	46	43	
18		Vapor pressure (inches)	.268	.229	.248	
19		Min. thermometer at observation	44.4	46.4	57.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	52.9	57.8	63.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours				
26	PPP	Sea-level pressure (mbs.)		1022.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhb	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	E	NE	
32	F	Wind velocity (m. p. h.)	5	6	4	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.210		
37		Total correction		-186		
38		Station pressure		30.024		
39		Tmp. 12 hours previously (t_2)		71.1		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.19		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RGS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1033 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAR 27 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ..th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1 X	0	1 X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	—	X	
6	h	Clouds, height of lowest	—			
7	N_h	Clouds, amount of lowest	1 —	0	1 —	
8	h_ch_c	Ceiling	—			
9	N	Total amount of all clouds	1 —	0	1 —	
10	V—VV	Visibility (miles and fractions)	5	10	20	
11	ww	Present weather	00, 05, 17	00	00	
12	W	Past weather	—			
13	TT	Dry bulb temperature (t) (°F.)	54.0	65.0	63.7	
14		Wet bulb temperature (t′) (°F.)	47.5	53.0	52.1	
15		Difference (t—t′)	6.5	12.0	15.6	
16	T_sT_s	Dew point (°F.)	41	45	37	
17	U	Relative humidity (%)	61	49	38	
18		Vapor pressure (inches)	.258	.300	.220	
19		Min. thermometer at observation	50.8	54.0	52.7	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.0	65.0	71.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	SE	SW	
32	F	Wind velocity (m. p. h.)	6	5	11	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.40		
37		Total correction		.187		
38		Station pressure		29.853		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	DB	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+R-DNA -1020	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1033 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM MAR 28 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	5 SW	
3	C_M	Clouds, middle (type and direction)	2 S	2 SW	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	S	SW	SW	
6	h	Clonds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	6	8	15	
11	ww	Present weather	62,03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.2	53.3	57.0	
14		Wet bulb temperature (t′) (°F.)	50.1	50.8	50.8	
15		Difference (t—t′)	2.1	2.5	6.2	
16	T_sT_s	Dew point (°F.)	44.2	44.3	52.2	
17	U	Relative humidity (%)	80	85	82	
18		Vapor pressure (inches)	.312	.321	.390	
19		Min. thermometer at observation	51.2	50.1	50.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.8	58.3	57.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0805	1120	1458	
25	RR	Total precipitation past 6 hours	0.05	0.29	none	
26	PPP	Sea-level pressure (mbs.)		1015.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SE	S	
32	F	Wind velocity (m. p. h.)	5	10	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.010		
37		Total correction		−.180		
38		Station pressure		29.830		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.00		
44		Time of filing (L. S. T.)				
45		Initials of observer	FC	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— •	0805	1120	59
— •	1116	1458	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1093 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAR 29 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 SE	5 SE	5 SE	
3	C_M	Clouds, middle (type and direction)	7 x	0	0	
4	C_H	Clouds, high (type and direction)		0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SE	SE	SE	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	5	8	8	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	8	8	
10	V—VV	Visibility (miles and fractions)	3	15	20	
11	ww	Present weather	03,05,17	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.8	57.0	57.0	
14		Wet bulb temperature (t') (°F.)	51.8	53.4	53.2	
15		Difference (t—t')	2.0	3.6	3.8	
16	T_sT_s	Dew point (°F.)	50°	51	50	
17	U	Relative humidity (%)	88	80	77	
18		Vapor pressure (inches)	.362	.376	.362	
19		Min. thermometer at observation	51.1	53.8	57.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	— (12)	(24)		
21		Max. thermometer at observation	57.2	57.0	62.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation		0843	—	
25	RR	Total precipitation past 6 hours	0	T	0	
26	PPP	Sea-level pressure (mbs.)		1018.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	NW	W	
32	F	Wind velocity (m. p. h.)	3	4	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.078		
37		Total correction		-1.82		
38		Station pressure		28.87		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.04		
44		Time of filing (L. S. T.)	2			
45		Initials of observer		RS	RS	

SPACES FOR CODING

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R-	0851	0542	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

K-H 0000— 1046 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3				11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1033 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM MAR 30 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	LST	LST	LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	3	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	3	2	
10	V—VV	Visibility (miles and fractions)	7	20	20	
11	ww	Present weather	03	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.1	56.0	51.0	
14		Wet bulb temperature (t') (°F.)	49.4	51.0	49.7	
15		Difference (t—t')	7.7	5.0	4.3	
16	T_dT_d	Dew point (°F.)	44	47	46	
17	U	Relative humidity (%)	67	72	74	
18		Vapor pressure (inches)	.336	.324	.278	
19		Min. thermometer at observation	50.1	51.0	48.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.7	56.0	57.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	W	W	
32	F	Wind velocity (m. p. h.)	6	13	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		72.0	72.0	
36		Observed barometer reading		30.100	30.100	
37		Total correction		-.185		
38		Station pressure		29.915		
39		Tmp. 12 hours previously (t_2)		54.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.09		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1033 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAR 31 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0731 LST	1331 LST	1931 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1—	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1—	2	
10	V—VV	Visibility (miles and fractions)	7	10	15	
11	ww	Present weather	63	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	50.1	56.3	53.4	
14		Wet bulb temperature (t′) (°F.)	48.0	51.1	50.0	
15		Difference (t—t′)	2.1	5.2	3.4	
16	T_sT_s	Dew point (°F.)	46	47	47	
17	U	Relative humidity (%)	86	79	79	
18		Vapor pressure (inches)	.312	.324	.324	
19		Min. thermometer at observation	48.1	49.6	53.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.4	58.1	56.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	W	W	
32	F	Wind velocity (m. p. h.)	4	9	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.122		
37		Total correction		-.180		
38		Station pressure		29.942		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.11		
44		Time of filing (L. S. T.)				
45		Initials of observer	ES	ES	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10	—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM: APR 1 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	7	10	20	
11	ww	Present weather	03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.3	53.0	51.8	
14		Wet bulb temperature (t′) (°F.)	47.1	48.2	47.4	
15		Difference (t—t′)	2.2	4.8	4.4	
16	T_sT_s	Dew point (°F.)	45	44	43	
17	U	Relative humidity (%)	85	70	72	
18		Vapor pressure (inches)	.300	.289	.278	
19		Min. thermometer at observation	48.1	49.2	51.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	50.4	53.0	53.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	5	10	6	
33	S_PS_P	Special phenomenon, general data		—	—	
34	s_ps_p	Special phenomenon, detailed data		—	—	
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.025		
37		Total correction		−.187		
38		Station pressure		29.838		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.01		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	RX	RX	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

FROM: APR 2 1948 (Month) (Day) (Year) — CITY OFFICE

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	1710 LST	1610 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 S	5 SE	5 SE	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)		SE	SE	
6	h	Clouds, height of lowest	—	—	—	
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling		—	—	
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	8	8	8	
11	ww	Present weather	03, 62	03, 61	03, 62	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	50.0	52.2	55.0	
14		Wet hulb temperature (t′) (°F.)	47.5	49.8	51.9	
15		Difference (t—t′)	2.5	2.4	3.1	
16	T_sT_s	Dew point (°F.)	45	48	49	
17	U	Relative humidity (%)	83	84	82	
18		Vapor pressure (inches)	.300	.336	.349	
19		Min. thermometer at observation	49.1	48.9	52.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	52.0	52.2	56.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	~~026~~			
24	R_t	Time of precipitation	0200	1152	1524	
25	RR	Total precipitation past 6 hours	.02	.26	.02	
26	PPP	Sea-level pressure (mbs.)		1009.5	1522	
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SE	SE	
32	F	Wind velocity (m. p. h.)	5	14	19	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		7.10		
36		Observed barometer reading		29.822		
37		Total correction		.185		
38		Station pressure		29.637		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.81		
44		Time of filing (L. S. T.)	815	1248	1815	
45		Initials of observer			RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
— •	0200	1152	✓
• —	1317	1520	✓
• —	1521	1850	✓
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26		13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P		T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P		T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
46 1930 E. S. T. (0030 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P		T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P		T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE APR 3 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5	1 W	2 SW	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)		W	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	7	8	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	7	8	
10	V—VV	Visibility (miles and fractions)	10	25	25	
11	ww	Present weather	01	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.2	53.7	51.8	
14		Wet bulb temperature (t′) (°F.)	46.4	46.5	47.0	
15		Difference (t—t′)	5.1	7.2	4.8	
16	T_sT_s	Dew point (°F.)	38	39	42	
17	U	Relative humidity (%)	65	57	70	
18		Vapor pressure (inches)	.224	.238	.268	
19		Min. thermometer at observation	47.8	48.1	46.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.6	53.7	53.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			53.7 (12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1950		1550	
25	RR	Total precipitation past 6 hours	.08	—	.01	
26	PPP	Sea-level pressure (mbs.)		1018.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction		SW	SW	
32	F	Wind velocity (m. p. h.)	8	15	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.079		
37		Total correction		.185		
38		Station pressure		29.894		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.06		
44		Time of filing (L. S. T.)				
45		Initials of observer		KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	59
— ⊽	1420	1430	
— ⊽	1515	1550	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8			10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM APR 4 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0510 LST	1210 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	3 SW	2 W	2 SW	
3	C_M	Clouds, middle (type and direction)	2 SW	0	0	
4	C_H	Clouds, high (type and direction)	4	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	W	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	5	7	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	5	7	
10	V—VV	Visibility (miles and fractions)	10	15	25	
11	ww	Present weather	02	01	02	
12	W	Past weather	9	4		
13	TT	Dry bulb temperature (t) (°F.)	50.0	54.0	55.9	
14		Wet bulb temperature (t′) (°F.)	48.4	49.0	49.2	
15		Difference (t—t′)	1.6	5.0	6.7	
16	T_sT_s	Dew point (°F.)	47	44	43	
17	U	Relative humidity (%)	90	70	61	
18		Vapor pressure (inches)	.321	.289	.278	
19		Min. thermometer at observation	45.3	49.0	53.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.2	55.2	56.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			56.4 (12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0900	1145	—	
25	RR	Total precipitation past 6 hours	.20	T.	0	
26	PPP	Sea-level pressure (mbs.)		1018.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	20	12	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.5		
36		Observed barometer reading		30.070		
37		Total correction		.178		
38		Station pressure		29.892		
39		Tmp. 12 honrs previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.06		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R HAIL x —	0800	0820	59
—	0800	0900	
—	1130	1145	
—			
—	2310	2325	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Hail on Lightning	0810–0820
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE APR 5 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began; 75th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	0	X	X	
4	C_H	Clouds, high (type and direction)	SW	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	10	10	
10	V—VV	Visibility (miles and fractions)	8	15	15	
11	ww	Present weather	2502	62,03	61,03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.6	55.0	51.0	
14		Wet bulb temperature (t') (°F.)	47.2	50.0	48.5	
15		Difference (t—t')	.4	5.0	2.5	
16	T_sT_s	Dew point (°F.)	45	46	46	
17	U	Relative humidity (%)	84	46	84	
18		Vapor pressure (inches)	.300	.312	.312	
19		Min. thermometer at observation	46.6	49.6	50.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.0	57.2	56.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0655	1150	1600	
25	RR	Total precipitation ~~past 6 hours~~	.01	.15	.13	
26	PPP	Sea-level pressure (mbs.)		1018.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SW	SW	
32	F	Wind velocity (m. p. h.)	6	17	19	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.099		
37		Total correction		-.182		
38		Station pressure		29.907		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.08		
44		Time of filing (L. S. T.)				
45		Initials of observer	KS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

CONT — 0240

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
	0630	0655	59
	1020	1040	
	1150	1318	
	1600	1615	
	2140	2012	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Hail 1605—1607 60
" 1650—1652

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16	5	20/22	—	8		10		—	23	24	25		—	29			30	—	33	34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	1W	5 W	7 W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	4	7	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	2	4	7	
10	V—VV	Visibility (miles and fractions)	8	20	30	
11	ww	Present weather	01	01	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	48.0	53.2	53.5	
14		Wet bulb temperature (t′) (°F.)	41.0	46.0	46.5	
15		Difference (t—t′)	7.0	7.2	7.0	
16	T_sT_s	Dew point (°F.)	40-2	38.4	39	
17	U	Relative humidity (%)	73	56	58	
18		Vapor pressure (inches)	.300	.229	.238	
19		Min. thermometer at observation	43.8	48.0	52.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.6	53.4	54.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0540	1110	—	
25	RR	Total precipitation past 6 hours	0.24	T		
26	PPP	Sea-level pressure (mbs.)		1023.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	SW	
32	F	Wind velocity (m. p. h.)	5	8	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.240		
37		Total correction		-.185		
38		Station pressure		30.055		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.23		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	RS	RB	

STATION _____

FROM _____ (Month) APR (Day) 6 (Year) 1948

TO _____ (Month) (Day) (Year)

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— •	CONT.	0540	59
— • ▽	1030	1110	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

FROM: APR 7 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 SE	5 SW	5 W	
3	C_M	Clouds, middle (type and direction)	0	0	1 X	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SE	SW	X	
6	h	Clouds, height of lowest			—	
7	N_h	Clouds, amount of lowest	4	4	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	4	3	
10	V—VV	Visibility (miles and fractions)	12	20	20	
11	ww	Present weather	01	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.5	52.8	58.5	
14		Wet bulb temperature (t') (°F.)	43.2	46.0	49.5	
15		Difference (t—t')	3.3	6.8	9.0	
16	T_sT_s	Dew point (°F.)	40	39	41	
17	U	Relative humidity (%)	77	49	52	
18		Vapor pressure (inches)	.248	.238	.258	
19		Min. thermometer at observation	46.1	46.5	52.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.0	53.2	58.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1023.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	NW	SW	
32	F	Wind velocity (m. p. h.)	2	6	2	
33	S_PS_P	Special phenomenon, general data		—	—	
34	s_ps_p	Special phenomenon, detailed data		—	—	
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.226		
37		Total correction		−185		
38		Station pressure		30.041		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
		Sum (t_2 + t)				
2		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.21		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM APR 8 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0700 LST	1200 LST	1600 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	5 SW	5 S	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	S	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	10	
10	V—VV	Visibility (miles and fractions)	8	10	5	
11	ww	Present weather	62,03	62,03	61,03,08	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	48.4	58.2	57.5	
14		Wet bulb temperature (t') (°F.)	46.2	56.4	55.2	
15		Difference (t—t')	2.2	1.8	2.3	
16	T_sT_s	Dew point (°F.)	44	55	54	
17	U	Relative humidity (%)	85	89	86	
18		Vapor pressure (inches)	.289	.434	.420	
19		Min. thermometer at observation		48.4	56.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	47.9 (12)	(24)		
21		Max. thermometer at observation	58.0	58.2	62.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0340	0340	1605	
25	RR	Total precipitation past 6 hours	0.11	.08	T	
26	PPP	Sea-level pressure (mbs.)		10146		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SE	SW	
32	F	Wind velocity (m. p. h.)	16	22	19	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.976		
37		Total correction		.182		
38		Station pressure		29.794		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.76		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— •	0340	1217	59
— •	1510	1540	
— •	1605	1645	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

+ FOG — 1510 — 1720	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers	1			2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM APR 9 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	5 (X)	0	2	
3	C_M	Clouds, middle (type and direction)	7 (X)	25	25	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	5	5	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9+	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	10	10	
10	V—VV	Visibility (miles and fractions)	15	15	8	
11	ww	Present weather	03	62,03	62,03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.0	56.4	53.0	
14		Wet bulb temperature (t') (°F.)	50.4	52.3	50.0	
15		Difference (t—t')	2.6	4.1	3.0	
16	T_sT_s	Dew point (°F.)	48.4	49	47.4	
17	U	Relative humidity (%)	84	76	81	
18		Vapor pressure (inches)	.336	.347	.324	
19		Min. thermometer at observation	52.0	52.6	51.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.5	57.2	56.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	0			
24	R_t	Time of precipitation	1845	1202	1202	
25	RR	Total precipitation past ~~6~~ hours	.03	T	0.16	
26	PPP	Sea-level pressure (mbs.)		1019.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SE	S	
32	F	Wind velocity (m. p. h.)	6	7	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.128		
37		Total correction		-.188		
38		Station pressure		29.940		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.11		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— •	1202	CONT	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26		13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM APR 1 0 1940 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0910 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	SNW	SW	SW	
3	C_M	Clouds, middle (type and direction)	X	7W	1X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	W	X	
6	h	Clouds, height of lowest	—	—	—	
7	N_h	Clouds, amount of lowest	10	2	2	
8	h_ch_c	Ceiling	—	—	—	
9	N	Total amount of all clouds	10	9+	10	
10	V—VV	Visibility (miles and fractions)	10	20	30	
11	ww	Present weatber	03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.2	57.5	54.2	
14		Wet bulb temperature (t′) (°F.)	49.0	48.0	49.0	
15		Difference (t—t′)	2.2	9.5	5.2	
16	T_sT_s	Dew point (°F.)	47	38	44	
17	U	Relative humidity (%)	85	49	69	
18		Vapor pressure (inches)	.324	.229	.289	
19		Min. thermometer at observation	48.4	51.2	54.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.0	58.0	58.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0050	—	—	
25	RR	Total precipitation past 6 hours	.16	0	0	
26	PPP	Sea-level pressure (mbs.)		1021.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	W	SW	
32	F	Wind velocity (m. p. h.)	3	7	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		79.0		
36		Observed barometer reading		30.170		
37		Total correction		-.192		
38		Station pressure		29.978		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.15		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RB	RB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	CONT	0050	59
—	2300	CONT.	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE APR 1 1 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 90th Mer. Time	0910 LST	2110 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SX	SX	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	X	X	
6	h	Clouds, height of lowest	—	—	—	
7	N_h	Clouds, amount of lowest	1—	1	1—	
8	h_ch_c	Ceiling	—			
9	N	Total amount of all clouds	1—	1	1—	
10	V—VV	Visibility (miles and fractions)	20	35	35	
11	ww	Present weather	00	01	00	
12	W	Past weather	—			
13	TT	Dry bulb temperature (t) (°F.)	50.5	55.0	59.5	
14		Wet bulb temperature (t') (°F.)	45.0	48.2	49.6	
15		Difference (t—t')	5.5	6.8	9.9	
16	T_sT_s	Dew point (°F.)	39	42	41	
17	U	Relative humidity (%)	65	60	54	
18		Vapor pressure (inches)	.238	.268	.258	
19		Min. thermometer at observation	47.0	51.1	54.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.2	55.0	59.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	2300			
25	RR	Total precipitation past 6 hours	.10	—	—	
26	PPP	Sea-level pressure (mbs.)		1021.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	2	12	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		79.0		
36		Observed barometer reading		30.174		
37		Total correction		-.192		
38		Station pressure		29.984		
39		Tmp. 12 hours previously (t_2)		71.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.15		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	CONT.	0100	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE APR 11 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

DATE CHANGED 4-12-48 EMP. #903

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1310 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	1 SW	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	2	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	2	0	
10	V—VV	Visibility (miles and fractions)	12	20	30	
11	ww	Present weather	01	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	48.6	55.0	55.3	
14		Wet hulb temperature (t′) (°F.)	45.8	48.9	49.2	
15		Difference (t—t′)	2.8	6.1	7.1	
16	T_sT_s	Dew point (°F.)	43	43	41+3	
17	U	Relative humidity (%)	81	64	71	
18		Vapor pressure (inches)	.248	.278	.258	
19		Min. thermometer at observation	48.1	48.6	54.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	2 (12)	(24)		
21		Max. thermometer at observation	54.7	55.2	57.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1020.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	13	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.150		
37		Total correction		-.185		
38		Station pressure		29.965		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.13		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3				11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM APR 1 3 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 S		0	
3	C_M	Clouds, middle (type and direction)	7 S	2 SW	2 S	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	S	SW	S	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	5	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	12	10	8	
11	ww	Present weather	03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.9	52.2	56.8	
14		Wet bulb temperature (t') (°F.)	46.1	48.0	50.8	
15		Difference (t—t')	2.8	4.2	6.0	
16	T_sT_s	Dew point (°F.)	43	44	46.4	
17	U	Relative humidity (%)	80	73	66	
18		Vapor pressure (inches)	.278	.289	.312	
19		Min. thermometer at observation	47.6	48.8	52.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.4	62.2	56.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation		1110	1515	
25	RR	Total precipitation past 6 hours	—	T	T	
26	PPP	Sea-level pressure (mbs.)		1020.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SE	SE	
32	F	Wind velocity (m. p. h.)	4	6	9	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.149		
37		Total correction		-.186		
38		Station pressure		29.963		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.13		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJ	RD	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R—	1105	1110	59
R—	1305	1515	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE APR 7 4 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/12-0th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5(S)	5SW	0	
3	C_M	Clouds, middle (type and direction)	7(S)	X	9SW	
4	C_H	Clouds, high (type and direction)	0	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	5	SW	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	9+	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	9+	10	
10	V—VV	Visibility (miles and fractions)	30	30	35	
11	ww	Present weather	02	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	61.7	69.0	65.4	
14		Wet bulb temperature (t') (°F.)	50.0	51.7	50.1	
15		Difference (t—t')	11.7	17.3	15.3	
16	T_dT_d	Dew point (°F.)	38	30	34	
17	U	Relative humidity (%)	41	25	31	
18		Vapor pressure (inches)	.229	.165	.196	
19		Min. thermometer at observation	56.1	61.7	64.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.4	70.1	68.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	0912	—	
25	RR	Total precipitation ~~past 6 hours~~	0	.01	0	
26	PPP	Sea-level pressure (mbs.)		1020.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SW	S	
32	F	Wind velocity (m. p. h.)	8	18	14	
33	S_PS_P	Special phenomenon, general data	—			
34	s_ps_p	Special phenomenon, detailed data	—			
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		28.5		
36		Observed barometer reading		29.112		
37		Total correction		-.190		
38		Station pressure		28.95		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		61.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.12		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

SPACES FOR CODING

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R—	0818	0912	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3				11		10	6	7			31		32	12	9			26			13		17	4	27		28		16			5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM APR 15 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	5 SW	5 W	
3	C_M	Clouds, middle (type and direction)		X	0	
4	C_H	Clouds, high (type and direction)		X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest		10	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	10	4	
10	V—VV	Visibility (miles and fractions)	20	8.	15	
11	ww	Present weather	03	03	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.3	65.3	62.1	
14		Wet bulb temperature (t') (°F.)	54.0	60.4	59.1	
15		Difference (t—t')	2.3	4.9	3.0	
16	T_sT_s	Dew point (°F.)	52	57+2	57+2	
17	U	Relative humidity (%)	89	75	84	
18		Vapor pressure (inches)	.485	.468	.468	
19		Min. thermometer at observation	56.3	56.2	61.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.3	66.2	67.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0655	—	—	
25	RR	Total precipitation past ~~6~~ hours	.12	0	0	
26	PPP	Sea-level pressure (mbs.)		1022.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction		S	SW	
32	F	Wind velocity (m. p. h.)		5	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		79.0		
36		Observed barometer reading		30.20		
37		Total correction		.192		
38		Station pressure		30.009		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.18		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	JHO	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
-TS	5330	0655	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM APR 1 6 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)			0	
3	C_M	Clouds, middle (type and direction)	7 X	7 X	7 X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	X	
6	h	Clouds, height of lowest	1			
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	15	10	8	
11	ww	Present weather	03	62, 03	03, 22	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.2	58.0	56.5	
14		Wet bulb temperature (t') (°F.)	50.8	50.6	50.5	
15		Difference (t—t')	2.4	7.4	6.0	
16	T_sT_s	Dew point (°F.)	49	44	45	
17	U	Relative humidity (%)	86	60	66	
18		Vapor pressure (inches)	.349	.289	.300	
19		Min. thermometer at observation	50.0	53.2	55.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.1	58.0	58.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	1205	1545	
25	RR	Total precipitation past 6 hours	0	T	.04	
26	PPP	Sea-level pressure (mbs.)		1021.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	S	SE	
32	F	Wind velocity (m. p. h.)	4	3	C	
33	S_PS_P	Special phenomenon, general data	—	—	—	
34	s_ps_p	Special phenomenon, detailed data	—	—	—	
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.5		
36		Observed barometer reading		30.180		
37		Total correction		—190		
38		Station pressure		29.990		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.16		
44		Time of filing (L. S. T.)				
45		Initials of observer	RJ	RS	RB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R—	0955	0958	59
R—	1205	1545	
R—	1910	2050	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM APR 1 7 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	1 W	1 W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	5	1	1	
8	h_ch_c	Ceiling	–			
9	N	Total amount of all clouds	5	1	1	
10	V—VV	Visibility (miles and fractions)	10	20	30	
11	ww	Present weather	01	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.2	58.7	57.6	
14		Wet bulb temperature (t′) (°F.)	52.0	53.1	52.1	
15		Difference (t—t′)	2.2	5.6	5.5	
16	T_sT_s	Dew point (°F.)	50	49.3	48.4	
17	U	Relative humidity (%)	85	70	70	
18		Vapor pressure (inches)	.362	.349	.336	
19		Min. thermometer at observation	52.0	53.6	56.7	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.0	59.4	59.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	2050	—	—	
25	RR	Total precipitation past ~~6 hours~~	.05	0	0	
26	PPP	Sea-level pressure (mbs.)		1022.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	6	11	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		79.0		
36		Observed barometer reading		30.206		
37		Total correction		—.192		
38		Station pressure		30.014		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		57		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.18		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM APR 18 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	15	20	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.2	63.1	64.0	
14		Wet bulb temperature (t′) (°F.)	49.1	54.1	51.3	
15		Difference (t—t′)	8.1	9.0	12.7	
16	T_sT_s	Dew point (°F.)	41	47	38	
17	U	Relative humidity (%)	55	55	38	
18		Vapor pressure (inches)	.258	.324	.229	
19		Min. thermometer at observation	49.6	57.0	62.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.0	65.0	64.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1021.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	W	W	
32	F	Wind velocity (m. p. h.)	7	9	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.16.8		
37		Total correction		.186		
38		Station pressure		29.982		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.15		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	1			2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM APR 1 9 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0730 LST	1330 LST	1630 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W		
3	C_M	Clouds, middle (type and direction)	X	0		
4	C_H	Clouds, high (type and direction)	X	6 W	0 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	6	7	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	8	7	
10	V—VV	Visibility (miles and fractions)	4	10	20	
11	ww	Present weather	03,05,17	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.0	55.7	57.3	
14		Wet bulb temperature (t') (°F.)	49.3	52.0	52.6	
15		Difference (t—t')	1.7	3.7	4.7	
16	T_sT_s	Dew point (°F.)	48	49	49	
17	U	Relative humidity (%)	89	76	74	
18		Vapor pressure (inches)	.336	.349	.356	
19		Min. thermometer at observation	49.4	49.3		
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	64.0	58.6	59.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	8	12	16	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.076		
37		Total correction		-.185		
38		Station pressure		29.891		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.06		
44		Time of filing (L. S. T.)				
45		Initials of observer		JB		

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H + K ANA — 1100 (L)

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.
*	*	*	*
#	#	#	#

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches.

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p

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WB Form 1083 [redacted] UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM APR 2 0 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	1	
10	V—VV	Visibility (miles and fractions)	10	15	25	
11	ww	Present weather	03	03	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.1	56.1	56.0	
14		Wet bulb temperature (t′) (°F.)	48.1	50.4	49.4	
15		Difference (t—t′)	5.0	5.7	6.6	
16	T_sT_s	Dew point (°F.)	43	46.5	43.3	
17	U	Relative humidity (%)	69	67	62	
18		Vapor pressure (inches)	.278	.312	.278	
19		Min. thermometer at observation	50.6	53.1	56.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.3	56.2	[illegible]	
22	T_xT_x	Highest tmp. past 12 or 24 hours			58.0 (12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	8	12	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.080		
37		Total correction		-.185		
38		Station pressure		29.895		
39		Tmp. 12 hours previously (t_z)		47.8		
40		Current temperature (t)				
41		Sum (t_z + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.07		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	RJ	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE APR 27 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	[illegible] LST	[illegible] LST	[illegible] LST	LST
2	C_L	Clouds, low (type and direction)	5 NW	0	5/SW	
3	C_M	Clouds, middle (type and direction)	2 SW	7 SW	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1 —	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	10	20	15	
11	ww	Present weather	03	03	03, 62	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.0	55.4	56.2	
14		Wet bulb temperature (t′) (°F.)	46.0	49.3	52.1	
15		Difference (t—t′)	5.0	6.1	4.1	
16	T_sT_s	Dew point (°F.)	41.8	44	49	
17	U	Relative humidity (%)	68	65	77	
18		Vapor pressure (inches)	.258	.289	.349	
19		Min. thermometer at observation	48.6	51.0	54.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.1	55.4	56.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground		0	0	
24	R_t	Time of precipitation	—	1018	15:07	
25	RR	Total precipitation past 6 hours	0	.01	.01	
26	PPP	Sea-level pressure (mbs.)		1013.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	S	S	
32	F	Wind velocity (m. p. h.)	9	20	20	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.945		
37		Total correction		—185		
38		Station pressure		29.760		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.93		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R—	0950	1018	59
R—	1250	1507	
R—	1608	2045	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE APR 22 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 90th Mer. Time	0710 LST	1210 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	2 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	0	X	X	
4	C_H	Clouds, high (type and direction)	0	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	6	9+	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	6	9+	10	
10	V—VV	Visibility (miles and fractions)	8	15	20	
11	ww	Present weather	02	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.3	57.8	57.2	
14		Wet bulb temperature (t′) (°F.)	51.7	52.4	53.9	
15		Difference (t—t′)	2.6	5.4	3.3	
16	T_dT_d	Dew point (°F.)	50.4	48.1	50	
17	U	Relative humidity (%)	84	70	76	
18		Vapor pressure (inches)	.362	.336	.362	
19		Min. thermometer at observation	52.6	54.3	57.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.3	58.6	60.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	2045	—	—	
25	RR	Total precipitation ~~past 6 hours~~	.03	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	7	11	13	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		28.0		
36		Observed barometer reading		29.000		
37		Total correction		-188		
38		Station pressure		29.812		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	KS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ⊡	1920	1930	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE APR 23 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	0	7NE	5X	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	NE	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	5	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	5	1	
10	V—VV	Visibility (miles and fractions)	7	25	20	
11	ww	Present weather	00	02	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.3	60.8	58.8	
14		Wet bulb temperature (t′) (°F.)	48.1	53.8	53.0	
15		Difference (t—t′)	4.2	7.0	5.8	
16	T_sT_s	Dew point (°F.)	44	48	48	
17	U	Relative humidity (%)	73	63	69	
18		Vapor pressure (inches)	.289	.336	.336	
19		Min. thermometer at observation	50.1	52.1	57.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.4	60.8	62.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1930	0	—	
25	RR	Total precipitation ~~past 6 hours~~	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	SW	W	
32	F	Wind velocity (m. p. h.)	7	11	24	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.090		
37		Total correction		-183		
38		Station pressure		29.907		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.08		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	JB	JB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM APR 24 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	5W	6 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0			
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	1	2	
10	V—VV	Visibility (miles and fractions)	7	20	30	
11	ww	Present weather	00	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.5	59.4	59.7	
14		Wet bulb temperature (t') (°F.)	49.5	52.3	54.2	
15		Difference (t—t')	4.0	7.1	5.5	
16	T_sT_s	Dew point (°F.)	46	46.4	50	
17	U	Relative humidity (%)	76	62	70	
18		Vapor pressure (inches)	.312	.312	.362	
19		Min. thermometer at observation	49.0	53.5	58.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.8	64.1	61.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1021.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	NW	W	
32	F	Wind velocity (m. p. h.)	0	13	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.196		
37		Total correction		-18.5		
38		Station pressure		30.015		
39		Tmp. 12 hours previously (t_2)		41.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.17		
44		Time of filing (L. S. T.)	RL	RL	RL	
45		Initials of observer				

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM APR 25 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1310 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	1 X	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	5 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	—		
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1 —	0		
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1 —	0	1	
10	V—VV	Visibility (miles and fractions)	20	30	30	
11	ww	Present weather	00	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.1	58.1	59.0	
14		Wet bulb temperature (t') (°F.)	54.0	53.0	52.2	
15		Difference (t—t')	5.1	5.1	6.8	
16	T_sT_s	Dew point (°F.)	50	49	46.4	
17	U	Relative humidity (%)	71	72	63	
18		Vapor pressure (inches)	.362	.349	.312	
19		Min. thermometer at observation	51.3	58.0	56.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.7	61.8	59.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1021.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	W	W	
32	F	Wind velocity (m. p. h.)	0	14	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.165		
37		Total correction		—.182		
38		Station pressure		29.983		
39		Tmp. 12 hours previously (t_2)		71.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.15		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM APR 26 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 4 th Mer. Time	LST	LST	LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	3W	7W	7W	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	6	6	8	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	6	6	8	
10	V—VV	Visibility (miles and fractions)	12	15	20	
11	ww	Present weather	02	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.2	56.7	55.5	
14		Wet bulb temperature (t') (°F.)	46.1	[illegible]	47.8	
15		Difference (t—t')	5.1	7.5	8.0	
16	T_aT_a	Dew point (°F.)	41	42	40	
17	U	Relative humidity (%)	68	58	55	
18		Vapor pressure (inches)	.258	.268	.248	
19		Min. thermometer at observation	48.3	50.6	55.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.1	56.7	56.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	W	
32	F	Wind velocity (m. p. h.)	8	13	19	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		73.5		
36		Observed barometer reading		29.960		
37		Total correction		-146		
38		Station pressure		29.814		
39		Tmp. 12 hours previously (t_2)		717		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_a	T_a	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_a	T_a	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_a	T_a	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_a	T_a	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE APR 27 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ... th Mer. Time	07,0 LST	12,0 LST	18,0 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	W	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	9+	5	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	9+	
10	V—VV	Visibility (miles and fractions)	5	20	15	
11	ww	Present weather	03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.2	55.1	52.2	
14		Wet bulb temperature (t') (°F.)	46.1	47.0	46.5	
15		Difference (t—t')	5.1	8.1	5.7	
16	T_sT_s	Dew point (°F.)	41	39	41	
17	U	Relative humidity (%)	68	54	64	
18		Vapor pressure (inches)	.258	.238	.258	
19		Min. thermometer at observation	48.9	51.2	51.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.6	55.1	57.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1011.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	W	W	
32	F	Wind velocity (m. p. h.)	8	10	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.860		
37		Total correction		-.182		
38		Station pressure		29.678		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.87		
44		Time of filing (L. S. T.)				
45		Initials of observer	ES	RS	RB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM APR 28 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ..th Mer. Time	0710 LST	1210 LST	1616 LST	LST
2	C_L	Clouds, low (type and direction)	6S	5S	5W	
3	C_M	Clouds, middle (type and direction)	X	X	2X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	S	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	5	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	7	12	15	
11	ww	Present weather	03 62	03 62	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	45.0	45.8	49.0	
14		Wet bulb temperature (t′) (°F.)	44.0	43.1	43.8	
15		Difference (t—t′)	1.0	2.7	5.2	
16	T_sT_s	Dew point (°F.)	43	40	38	
17	U	Relative humidity (%)	92	80	65	
18		Vapor pressure (inches)	.278	.248	.212	
19		Min. thermometer at observation	43.6	45.0	45.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	52.3	47.1	50.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0305	0305	1310	
25	RR	Total precipitation ~~past 6 hours~~	0.17	0.34	.01	
26	PPP	Sea-level pressure (mbs.)		1011.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	6	6	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.870		
37		Total correction		—182		
38		Station pressure		29.688		
39		Tmp. 12 hours previously (t_2)		417		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.86		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	RKS	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ●	0305	1310	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM APR 29 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	0	5 S	5 W	
3	C_M	Clouds, middle (type and direction)	2 S	X	3 W	
4	C_H	Clouds, high (type and direction)	X	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	S	S	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	4	
10	V—VV	Visibility (miles and fractions)	7	7	12	
11	ww	Present weather	62,03	62,03	22,01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.6	48.0	54.0	
14		Wet bulb temperature (t') (°F.)	44.0	46.0	48.0	
15		Difference (t—t')	2.6	2.0	6.0	
16	T_sT_s	Dew point (°F.)	41.2	44	43.1	
17	U	Relative humidity (%)	81	86	65	
18		Vapor pressure (inches)	.258	.289	.278	
19		Min. thermometer at observation	44.9	46.6	47.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	49.1	48.0	55.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0630	0630	1505	
25	RR	Total precipitation past 6 hours	.04	.25	.17	
26	PPP	Sea-level pressure (mbs.)		1011.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SE	W	
32	F	Wind velocity (m. p. h.)	18	24	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.872		
37		Total correction		-182		
38		Station pressure		29.690		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2) //				
43		Sea-level pressure (inches)		29.86		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	JB	JS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	0210	0250	59
—	0630	1330	
—	1440	1505	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

⊠ 1145—1148	60
△ Observed in SF but not at W.B.O.	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE APR 30 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	5710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	2 SW	5 SW	5 SW	
3	C_M	Clouds, middle (type and direction)	4 SW	0	0	
4	C_H	Clouds, high (type and direction)	3 W	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	5	6	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	6	4	
10	V—VV	Visibility (miles and fractions)	1	20	35	
11	ww	Present weather	02	02	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.0	57.8	57.6	
14		Wet bulb temperature (t') (°F.)	46.9	50.3	50.2	
15		Difference (t—t')	5.1	7.5	7.4	
16	T_sT_s	Dew point (°F.)	42	44.3	44.5	
17	U	Relative humidity (%)	68	59	62	
18		Vapor pressure (inches)	.277	.289	.289	
19		Min. thermometer at observation	49.8	52.0	57.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.2	58.0	59.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0 2400	—	—	
25	RR	Total precipitation past 6 hours	.02	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SW	S	
32	F	Wind velocity (m. p. h.)	4	12	15	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.126		
37		Total correction		-183		
38		Station pressure		29.943		
39		Tmp. 12 hours previously (t_2)		417		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		3011		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	RL	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
-T	0100	0115	59
-T	0210	0240	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (37) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM MAY 1 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, 120th Mer. Time	0710 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	2 NW	1 Cu	
3	C_M	Clouds, middle (type and direction)	0	0	8 AcW	
4	C_H	Clouds, high (type and direction)	0	1 NW	1 Ci	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	NW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	3	8	
10	V—VV	Visibility (miles and fractions)	7	15	20	
11	ww	Present weather	00	01	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.1	57.1	53.1	
14		Wet bulb temperature (t′) (°F.)	47.1	52.0	49.0	
15		Difference (t—t′)	11.0	5.1	4.1	
16	T_sT_s	Dew point (°F.)	43.3	48	45	
17	U	Relative humidity (%)	74	71	75	
18		Vapor pressure (inches)	.278	.336	.300	
19		Min. thermometer at observation	47.2	50.0	52.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.3	57.1	57.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			57.1 (12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	W	W	
32	F	Wind velocity (m. p. h.)	5	5	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.109		
37		Total correction		.182		
38		Station pressure		29.927		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.10		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8			10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (3-4) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM: MAY 3 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1906 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	1 W	1 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	5	
10	VV	Visibility (miles and fractions)	8	10	15	
11	ww	Present weather	03	03	01	
12	W	Past weather				
13	TT	Dry bulb temperatnre (t) (°F.)	50.5	56.5	54.1	
14		Wet bulb temperature (t') (°F.)	50.0	53.4	52.3	
15		Difference (t—t')	.5	3.1	3.8	
16	T_sT_s	Dew point (°F.)	50	51	52	
17	U	Relative humidity (%)	98	82	79	
18		Vapor pressure (inches)	.362	.376	.390	
19		Min. thermometer at observation	50.5	50.5	53.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.0	58.3	61.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0620	—	—	
25	RR	Total precipitation past 6 hours	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1028.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	4	10	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.296		
37		Total correction		-.118		
38		Station pressure		30.178		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		47.1		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.21		
44		Time of filing (L. S. T.)				
45		Initials of observer	RC	RC	RC	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— 9	0520	0620	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	1	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM MAY 4 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	0	0	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	6 X	1 X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	X	X	
6	h	Clouds, height of lowest	1			
7	N_h	Clouds, amount of lowest	10	10	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1	1	
10	V—VV	Visibility (miles and fractions)	10	20	30	
11	ww	Present weather	03	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.8	62.2	62.3	
14		Wet bulb temperature (t') (°F.)	53.3	56.3	54.0	
15		Difference (t—t')	2.5	5.9	8.3	
16	T_sT_s	Dew point (°F.)	52	52	47	
17	U	Relative humidity (%)	87	69	58	
18		Vapor pressure (inches)	.390	.390	.324	
19		Min. thermometer at observation	53.2	55.8	60.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.1	63.1	65.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1020.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	3	10	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.150		
37		Total correction		-.186		
38		Station pressure		29.964		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.13		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →		2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM MAY 5 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	07 LST	12 LST	18 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	1—	
10	V—VV	Visibility (miles and fractions)	10	15	20	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.8	60.3	60.1	
14		Wet bulb temperature (t′) (°F.)	52.4	55.1	55.2	
15		Difference (t—t′)	5.4	5.2	4.9	
16	T_sT_s	Dew point (°F.)	48	51	52	
17	U	Relative humidity (%)	70	71	74	
18		Vapor pressure (inches)	.334	.376	.390	
19		Min. thermometer at observation	54.1	57.8	59.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	64.9	65.8	63.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1017.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	W	W	
32	F	Wind velocity (m. p. h.)	2	11	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.051		
37		Total correction		-185		
38		Station pressure		29.866		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.04		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →		2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM MAY 6 1948 (Month) (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, 75th Mer. Time	07 0 LST	13 0 LST	19 0 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	9 CNW	0	
4	C_H	Clouds, high (type and direction)	X	0	1 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	NW	W	
6	h	Clouds, height of lowest	10			
7	N_h	Clouds, amount of lowest		5	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	5	1	
10	V—VV	Visibility (miles and fractions)	3	20	30	
11	ww	Present weather	H 02	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	50.3	57.9	58.1	
14		Wet bulb temperature (t′) (°F.)	50.0	55.0	54.1	
15		Difference (t—t′)	.3	2.9	4.0	
16	T_sT_s	Dew point (°F.)	50	53	51	
17	U	Relative humidity (%)	97	84	77	
18		Vapor pressure (inches)	.364	.405	.376	
19		Min. thermometer at observation	50.1	50.3	57.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.1	58.2	61.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0618	—	—	
25	RR	Total precipitation ~~past 6 hours~~	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	9	17	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		28.0		
36		Observed barometer reading		30.000		
37		Total correction		-.188		
38		Station pressure		29.812		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— 9	0610	0618	59
~~FOG~~	~~0600~~	~~0830~~	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

FOG 0600 — 0830 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM MAY 7 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0711 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	2 NW	2 NW	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	NW	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	1	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	2	1	2	
10	V—VV	Visibility (miles and fractions)	2.5	25	25	
11	ww	Present weather	01	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.1	55.0	54.9	
14		Wet bulb temperature (t') (°F.)	49.0	48.9	50.0	
15		Difference (t—t')	4.1	6.1	4.9	
16	T_sT_s	Dew point (°F.)	45	43	46	
17	U	Relative humidity (%)	75	65	71	
18		Vapor pressure (inches)	.300	.278	.312	
19		Min. thermometer at observation	51.2	52.0	53.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.1	56.1	56.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_n	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	7	20	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.100		
37		Total correction		−.182		
38		Station pressure		29.918		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.09		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P			T T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P			T T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P			T T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P			T T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM: MAY 8 1949 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	1 W	1 W	0	
3	C_M	Clouds, middle (type and direction)	0	0	3 W	
4	C_H	Clouds, high (type and direction)	8 X	1 W	1 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W		
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	1	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	2	4	8	
10	V—VV	Visibility (miles and fractions)	20	25	30	
11	ww	Present weather	01	01	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	50.3	57.4	55.0	
14		Wet bulb temperature (t') (°F.)	45.5	50.2	49.1	
15		Difference (t—t')	4.8	7.2	5.9	
16	T_sT_s	Dew point (°F.)	41	44	44	
17	U	Relative humidity (%)	69	63	66	
18		Vapor pressure (inches)	.258	.287	.289	
19		Min. thermometer at observation	49.5	50.3	54.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.9	58.0	57.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1017.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_s	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	8	12	17	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35		COMPUTATION OF SEA-LEVEL PRESSURE: Attached thermometer reading		76.0		
36		Observed barometer reading		30.031		
37		Total correction		-.182		
38		Station pressure		29.849		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		57.4		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.04		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	ES	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Solar Halo at 0945 — 1420 (60)

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAY 9 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0730 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	1W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	1	1	
10	V—VV	Visibility (miles and fractions)	15	20	40	
11	ww	Present weather	01	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.3	56.4	57.1	
14		Wet bulb temperature (t′) (°F.)	49.1	50.3	50.0	
15		Difference (t—t′)	4.2	6.1	7.1	
16	T_sT_s	Dew point (°F.)	45	45	44.3	
17	U	Relative humidity (%)	74	66	61	
18		Vapor pressure (inches)	.300	.300	.289	
19		Min. thermometer at observation	48.1	53.1	56.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.3	57.7	58.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours.	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	9	11	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		29.55		
36		Observed barometer reading		30.000		
37		Total correction		-.181		
38		Station pressure		29.819		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAY 10 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	7 LST	13 LST	19 LST	LST
2	C_L	Clouds, low (type and direction)	5 X	5 X	1 E	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	0	E	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1-	-1	1-	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1-	1-	1-	
10	V—VV	Visibility (miles and fractions)	9	18	35	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.5	56.4	58.5	
14		Wet bulb temperature (t′) (°F.)	50.5	51.5	53.2	
15		Difference (t—t′)	5.0	6.5	5.3	
16	T_sT_s	Dew point (°F.)	46	46	49	
17	U	Relative humidity (%)	71	69	71	
18		Vapor pressure (inches)	.312	.312	.349	
19		Min. thermometer at observation	49.0	55.5	50.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.0	58.4	59.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours				
26	PPP	Sea-level pressure (mbs.)		1017.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	W	W	
32	F	Wind velocity (m. p. h.)	0	12	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.044		
37		Total correction		-.192		
38		Station pressure		29.852		
39		Tmp. 12 hours previously (t_2)		49		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressnre (inches)		30.05		
44		Time of filing (L. S. T.)				
45		Initials of observer	RCS			

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA

FROM: MAY 11 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	1W	1W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	8	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	1	1	
10	V—VV	Visibility (miles and fractions)	7	15	30	
11	ww	Present weather	02	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54	58.0	59.9	
14		Wet bulb temperature (t') (°F.)	49.0	52.0	53.2	
15		Difference (t—t')	2.4	6.0	6.7	
16	T_sT_s	Dew point (°F.)	47	47	48	
17	U	Relative humidity (%)	85	66	64	
18		Vapor pressure (inches)	.324	.324	.336	
19		Min. thermometer at observation	48.9	51.4	56.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.8	58.0	61.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past ~~6 hours~~	0	0		
26	PPP	Sea-level pressure (mbs.)		1018.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_s	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	W	W	
32	F	Wind velocity (m. p. h.)	4	12	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.08		
37		Total correction		-.18		
38		Station pressure		29.90		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+1.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.08		
44		Time of filing (L. S. T.)				
45		Initials of observer	FC			

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM MAY 12 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	1 W	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	6 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	8	1	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	1	3	
10	V—VV	Visibility (miles and fractions)	10	20	30	1
11	ww	Present weather	02	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.0	59.2	60.0	
14		Wet bulb temperature (t′) (°F.)	49.1	52.2	54.0	
15		Difference (t—t′)	2.9	7.0	6.0	
16	T_sT_s	Dew point (°F.)	47	46	49	
17	U	Relative humidity (%)	82	62	68	
18		Vapor pressure (inches)	.324	.312	.349	
19		Min. thermometer at observation	49.4	52.0	57.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.1	59.2	60.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1020.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	10	10	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.140		
37		Total correction		-.181		
38		Station pressure		29.959		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.13		
44		Time of filing (L. S. T.)				
45		Initials of observer	ES	[illegible]	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM MAY 13 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	5W	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	0	0	
10	V—VV	Visibility (miles and fractions)	.8	10	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.1	57.4	58.0	
14		Wet bulb temperature (t′) (°F.)	50.2	52.1	52.4	
15		Difference (t—t′)	2.9	5.3	5.6	
16	T_sT_s	Dew point (°F.)	48	48	48	
17	U	Relative humidity (%)	83	70	69	
18		Vapor pressure (inches)	.336	.336	.336	
19		Min. thermometer at observation	49.8	52.6	57.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.2	58.3	59.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation ~~past 6 hours~~	0	0		
26	PPP	Sea-level pressure (mbs.)		1019.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	9	18	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.120		
37		Total correction		-181		
38		Station pressure		29.939		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.11		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →				2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAY 1 4 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	HW	1 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	W		
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	1—	1—	
10	V—VV	Visibility (miles and fractions)	20	26	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.2	62.2	63.4	
14		Wet bulb temperature (t') (°F.)	48.0	52.0	54.0	
15		Difference (t—t')	5.2	10.2	9.4	
16	T_sT_s	Dew point (°F.)	43	43	46	
17	U	Relative humidity (%)	68	49	52	
18		Vapor pressure (inches)	.278	.278	.312	
19		Min. thermometer at observation	50.1	53.2	59.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	0 (24)		
21		Max. thermometer at observation	58.0	63.0	64.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	W	W	
32	F	Wind velocity (m. p. h.)	3	7	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		26.5		
36		Observed barometer reading		30.18		
37		Total correction		-.184		
38		Station pressure		29.99		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		62.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.10		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM MAY 15 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	1	1	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest				
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	1	1	
10	V—VV	Visibility (miles and fractions)	10	12	15	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	60.1	62.0	60.8	
14		Wet bulb temperature (t′) (°F.)	55.0	55.1	53.0	
15		Difference (t—t′)	5.1	6.9	7.8	
16	T_sT_s	Dew point (°F.)	51	50	47-3	
17	U	Relative humidity (%)	72	64	60	
18		Vapor pressure (inches)	.376	.362	.324	
19		Min. thermometer at observation	53.2	60.1	60.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.5	68.0	70.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			70.0 (12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	W	W	
32	F	Wind velocity (m. p. h.)	2	15	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.950		
37		Total correction		.185		
38		Station pressure		29.765		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.94		
44		Time of filing (L. S. T.)				
45		Initials of observer	RL	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM MAY 16 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	0	3 NW	3 W	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	NW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	6	✓	1-	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	6	4	3	
10	V—VV	Visibility (miles and fractions)	10	20	25	
11	ww	Present weather	02	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	61.0	66.1	66.9	
14		Wet bulb temperature (t') (°F.)	55.2	58.0	60.0	
15		Difference (t—t')	5.8	8.1	6.9	
16	T_sT_s	Dew point (°F.)	51	52	56	
17	U	Relative humidity (%)	69	61	67	
18		Vapor pressure (inches)	.376	.390	.452	
19		Min. thermometer at observation	52.5	59.9	63.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	52.5 (12)	(24)		
21		Max. thermometer at observation	66.8	67.1	68.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			68.0 (12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NE	W	SW	
32	F	Wind velocity (m. p. h.)	8	12	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.032		
37		Total correction		-.185		
38		Station pressure		29.847		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAY 17 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	07 0 LST	12 0 LST	16 0 LST	LST
2	C_L	Clouds, low (type and direction)	1 SW	1 W	4 W	
3	C_M	Clouds, middle (type and direction)	2 SW	1 W	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	6	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	6	2	1	
10	V—VV	Visibility (miles and fractions)	15	20	30	
11	ww	Present weather	02	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.1	52.4	56.3	
14		Wet bulb temperature (t') (°F.)	51.4	52.4	50.4	
15		Difference (t—t')	2.7	5.0	5.9	
16	T_sT_s	Dew point (°F.)	49.4	48	45	
17	U	Relative humidity (%)	84	71	66	
18		Vapor pressure (inches)	.349	.336	.300	
19		Min. thermometer at observation	53.1	52.6	55.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.0	58.4	58.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0650	—	—	
25	RR	Total precipitation ~~past 6 hours~~	—	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	12	20	22	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0	—	
36		Observed barometer reading		29.978		
37		Total correction		+.183		
38		Station pressure		29.961	—	
39		Tmp. 12 hours previously (t_2)		74.6		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.97		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— 9	0620	0550	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAY 18 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	1 W	5 W	1 W	
3	C_M	Clouds, middle (type and direction)	0	0	7 W	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	10	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	10	8	
10	V—VV	Visibility (miles and fractions)	15	15	20	
11	ww	Present weather	01	03	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.2	54.2	58.0	
14		Wet bulb temperature (t′) (°F.)	48.2	49.1	52.0	
15		Difference (t—t′)	5.0	5.1	6.0	
16	T_sT_s	Dew point (°F.)	43	44	47	
17	U	Relative humidity (%)	68	69	67	
18		Vapor pressure (inches)	.278	.289	.324	
19		Min. thermometer at observation	49.9	53.2	53.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.3	56.8	58.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	1440	
25	RR	Total precipitation ~~past 6 hours~~	0	0	T	
26	PPP	Sea-level pressure (mbs.)		1010.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	3	14	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.863		
37		Total correction		-.185		
38		Station pressure		29.677		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.85		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	1320	1440	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIF.

FROM CITY OFFICE MAY 7 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	07 0 LST	12 1 LST	16 1 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	1W	1W	
3	C_M	Clouds, middle (type and direction)	X	7W	2W	
4	C_H	Clouds, high (type and direction)	X	1W	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1-	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	3	8	
10	V—VV	Visibility (miles and fractions)	10	15	15	
11	ww	Present weather	03	01	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.4	55.2	54.4	
14		Wet bulb temperature (t') (°F.)	48.3	49.1	49.4	
15		Difference (t—t')	3.1	6.1	5.0	
16	T_sT_s	Dew point (°F.)	46	43	45	
17	U	Relative humidity (%)	82	64	70	
18		Vapor pressure (inches)	.312	.278	.300	
19		Min. thermometer at observation	50.0	50.6	53.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.0	56.6	56.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0215	—	—	
25	RR	Total precipitation past ~~6 hours~~	0.01	0	0	
26	PPP	Sea-level pressure (mbs.)		1014.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	5	10	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.962		
37		Total correction		-.185		
38		Station pressure		29.777		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.95		
44		Time of filing (L. S. T.)				
45		Initials of observer	RJ	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ⊠	0130	0215	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	1	1	1	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAY 20 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	7?:0 LST	1?:0 LST	16:0 LST	LST
2	C_L	Clouds, low (type and direction)	5W	7W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	7W	
4	C_H	Clouds, high (type and direction)	X	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9	10	
10	V—VV	Visibility (miles and fractions)	10	12	15	
11	ww	Present weather	03	02	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	50.2	54.3	55.4	
14		Wet bulb temperature (t') (°F.)	49.0	50.1	50.2	
15		Difference (t—t')	1.2	4.2	4.9	
16	T_sT_s	Dew point (°F.)	48	46	41	
17	U	Relative humidity (%)	92	74	71	
18		Vapor pressure (inches)	.336	.312	.312	
19		Min. thermometer at observation	49.1	50.2	53.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.4	54.7	55.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0659	—	—	
25	RR	Total precipitation past 6 hours	0.15	0	0	
26	PPP	Sea-level pressure (mbs.)		1017.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	3	11	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.058		
37		Total correction		-.187		
38		Station pressure		29.871		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.04		
44		Time of filing (L. S. T.)	7:8			
45		Initials of observer	RB	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R-	0010	0659	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →		2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29		30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE MAY 21 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	NW	5 NW	1 W	
3	C_M	Clouds, middle (type and direction)	0	4/NW	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	NW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	3	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	3	1	
10	V—VV	Visibility (miles and fractions)	7	10	12	
11	ww	Present weather	60	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.8	60.3	61.2	
14		Wet bulb temperature (t') (°F.)	50.1	51.7	53.0	
15		Difference (t—t')	3.7	8.6	8.2	
16	T_sT_s	Dew point (°F.)	47	44	46	
17	U	Relative humidity (%)	78	55	58	
18		Vapor pressure (inches)	.324	.289	.312	
19		Min. thermometer at observation	50.1	53.2	59.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.2	61.1	65.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1920	—	—	
25	RR	Total precipitation ~~past 6 hours~~	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1021.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	NW	W	
32	F	Wind velocity (m. p. h.)	6	7	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.125		
37		Total correction		−.186		
38		Station pressure		29.589		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.16		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS			

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	1830	1920	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE MAY 22 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	07/0 LST	12/0 LST	16/0 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	7	15	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.4	67.4	62.0	
14		Wet bulb temperature (t′) (°F.)	54.7	58.0	55.6	
15		Difference (t—t′)	2.7	9.4	6.4	
16	T_sT_s	Dew point (°F.)	53.1	51.4	51	
17	U	Relative humidity (%)	84	56	67	
18		Vapor pressure (inches)	.485	.376	.376	
19		Min. thermometer at observation	52.3	57.4	62.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.4	69.1	67.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation ~~past 6 hours~~	0	0		
26	PPP	Sea-level pressure (mbs.)		1015.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	W	W	
32	F	Wind velocity (m. p. h.)	4	8	17	
33	S_PS_P	Special phenomenon, general data	—	—		
34	s_ps_p	Special phenomenon, detailed data	—	—		
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.002		
37		Total correction		—.185		
38		Station pressure		29.817		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)				
45		Initials of observer	FES			

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →		2	3			11		10	6	7			32	12	9				13		17	4	27	28			16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM MAY 23 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 22th Mer. Time	09 LST	21 LST	16 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	5 S	5 W	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	S	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	10	
10	V—VV	Visibility (miles and fractions)	15	20	30	
11	ww	Present weather	03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.1	54.7	54.9	
14		Wet bulb temperature (t') (°F.)	50.2	52.0	52.0	
15		Difference (t—t')	1.9	2.7	2.9	
16	T_sT_s	Dew point (°F.)	49.3	50	50.3	
17	U	Relative humidity (%)	88	84	83	
18		Vapor pressure (inches)	.349	.362	.362	
19		Min. thermometer at observation	49.8	52.1	54.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.0	56.1	55.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours				
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	7	14	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.926		
37		Total correction		-18.2		
38		Station pressure		29.808		
39		Tmp. 12 hours previously (t_2)		47.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer				

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
⊃ —	0412	0458	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (974) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAY 24 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	X	0	X	
4	C_H	Clouds, high (type and direction)	X	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	10	
10	V—VV	Visibility (miles and fractions)	7	10	10	
11	ww	Present weather	03,51	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.1	55.2	54.8	
14		Wet bulb temperature (t') (°F.)	50.0	52.0	52.0	
15		Difference (t—t')	7.1	3.2	2.8	
16	T_sT_s	Dew point (°F.)	47.4	49.4	50	
17	U	Relative humidity (%)	86	81	83	
18		Vapor pressure (inches)	.336	.349	.362	
19		Min. thermometer at observation	49.9	50.8	53.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.0	56.0	56.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0600	1015	—	
25	RR	Total precipitation ~~past 6 hours~~	T	T	0	
26	PPP	Sea-level pressure (mbs.)		1016.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhb	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	W	
32	F	Wind velocity (m. p. h.)	11	13	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.066		
37		Total correction		-.182		
38		Station pressure		29.884		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum. (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.03		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	KJB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	0600	1015	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083. UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM MAY 25 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	0	X	0	
4	C_H	Clouds, high (type and direction)	0	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9+	9+	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	9+	2	
10	V—VV	Visibility (miles and fractions)	8	15	30	
11	ww	Present weather	03	03	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.1	53.8	56.9	
14		Wet bulb temperature (t′) (°F.)	49.0	50.8	53.0	
15		Difference (t—t′)	2.1	3.0	3.9	
16	T_sT_s	Dew point (°F.)	47	48	50	
17	U	Relative humidity (%)	86	81	78	
18		Vapor pressure (inches)	.324	.336	.362	
19		Min. thermometer at observation	48.6	51.1	53.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.9	53.8	57.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	8	15	17	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.000		
37		Total correction		−181		
38		Station pressure		29.819		
39		Tmp. 12 hours previously (t_2)		717		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	RS		

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	1	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29		30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM MAY 26 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	07/0 LST	12/0 LST	16/0 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	4	7	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	4	7	
10	V—VV	Visibility (miles and fractions)	7	25	35	
11	ww	Present weather	03	01	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.0	56.8	56.9	
14		Wet hulb temperature (t') (°F.)	53.0	53.0	53.4	
15		Difference (t—t')	1.0	3.8	3.5	
16	T_sT_s	Dew point (°F.)	49	50	51	
17	U	Relative humidity (%)	93	78	84	
18		Vapor pressure (inches)	.344	.362	.376	
19		Min. thermometer at observation	49.4	51.0	55.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.4	57.6	58.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0645	—		
25	RR	Total precipitation past 6 hours	T	0		
26	PPP	Sea-level pressure (mbs.)		1013.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	WNW	W	
32	F	Wind velocity (m. p. h.)	12	14	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.732		
37		Total correction		-.182		
38		Station pressure		29.550		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.92		
44		Time of filing (L. S. T.)				
45		Initials of observer	ES	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— S	0615	0642	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →				2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46	0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
	1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
	1930 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
	0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM _____ (Month) _____ (Day) _____ (Year)

TO _____ (Month) _____ (Day) _____ (Year)

CITY OFFICE MAY 27 1948

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	07/0 LST	13/0 LST	19/0 LST	LST
2	C_L	Clouds, low (type and direction)	5W	7W	5W	
3	C_M	Clouds, middle (type and direction)	1W	2.W	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	8	7	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	8	7	
10	V—VV	Visibility (miles and fractions)	10	15	35	
11	ww	Present weather	03	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.1	60.1	60.3	
14		Wet bulb temperature (t') (°F.)	54.0	55.0	54.8	
15		Difference (t—t')	3.1	5.1	5.5	
16	T_sT_s	Dew point (°F.)	52	51	51	
17	U	Relative humidity (%)	82	72	71	
18		Vapor pressure (inches)	.390	.376	.376	
19		Min. thermometer at observation	52.2	54.9	59.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.1	60.2	61.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			61.0 (12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	T	0	
25	RR	Total precipitation ~~past 6 hours~~	0	0.80		
26	PPP	Sea-level pressure (mbs.)		1014.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SW	W	
32	F	Wind velocity (m. p. h.)	9	13	15	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.970		
37		Total correction		—185		
38		Station pressure		29.785		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.95		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	RS	KS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— •	0725	0840	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAY 28 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0731 LST	1332 LST	1932 LST	LST
2	C_L	Clouds, low (type and direction)	1 W	1 W	1 W	
3	C_M	Clouds, middle (type and direction)	0	4 W	4 W	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	3	3	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	3	3	5	
10	V—VV	Visibility (miles and fractions)	20	15	20	
11	ww	Present weather	01	01	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.9	58.8	59.0	
14		Wet bulb temperature (t') (°F.)	51.0	52.0	53.2	
15		Difference (t—t')	3.9	6.8	4.8	
16	T_sT_s	Dew point (°F.)	48.3	46.3	50	
17	U	Relative humidity (%)	78	63	70	
18		Vapor pressure (inches)	.336	.312	.362	
19		Min. thermometer at observation	51.4	54.9	57.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.3	61.2	60.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	SW	
32	F	Wind velocity (m. p. h.)	6	14	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.5		
36		Observed barometer reading		30.075		
37		Total correction		-.159		
38		Station pressure		29.96		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.06		
44		Time of filing (L. S. T.)				
45		Initials of observer	R.S.	JL	KDS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM MAY 29 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	07 LST	12 LST	18 LST	LST
2	C_L	Clouds, low (type and direction)	5W	0	6W	
3	C_M	Clouds, middle (type and direction)	4W	2W	X	
4	C_H	Clouds, high (type and direction)	0	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	10	10	
10	V—VV	Visibility (miles and fractions)	20	20	5	
11	ww	Present weather	02	61,03	61,03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.4	60.0	55.2	
14		Wet bulb temperature (t') (°F.)	51.9	53.0	54.1	
15		Difference (t—t')	2.5	7.0	1.1	
16	T_sT_s	Dew point (°F.)	50	47	53	
17	U	Relative humidity (%)	85	63	93	
18		Vapor pressure (inches)	.362	.324	.405	
19		Min. thermometer at observation	53.1	54.1	54.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.0	60.8	60.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	0935	0935	
25	RR	Total precipitation ~~past 6 hours~~	0	T	0.18	
26	PPP	Sea-level pressure (mbs.)		1014.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	S	
32	F	Wind velocity (m. p. h.)	6	8	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		29.96		
37		Total correction		-.188		
38		Station pressure		29.778		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		27.95		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
~~[illegible]~~	0935	1710	59
—	1945	2158	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM MAY 30 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	09 LST	12 LST	18 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	8 SW	8 S	
3	C_M	Clouds, middle (type and direction)	2 SW	7 SW	9 S	
4	C_H	Clouds, high (type and direction)	1	6	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	S	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	5	4	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	8	9	
10	V—VV	Visibility (miles and fractions)	10	15		
11	ww	Present weather	02	02	91, 02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	58.8	59.1	58.0	
14		Wet bulb temperature (t') (°F.)	55.1	55.3	54.1	
15		Difference (t—t')	3.7	3.8	3.9	
16	T_sT_s	Dew point (°F.)	52	53	51	
17	U	Relative humidity (%)	89	80	78	
18		Vapor pressure (inches)	.390	.405	.376	
19		Min. thermometer at observation	54.2	55.6	57.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.2	60.8	63.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0420	1155	1425	
25	RR	Total precipitation ~~past 6 hours~~	.17	.01	.01	
26	PPP	Sea-level pressure (mbs.)		1010.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SE	SW	
32	F	Wind velocity (m. p. h.)	11	12	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		29.855		
37		Total correction		-.180		
38		Station pressure		29.676		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.85		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ⛈	0310	0420	59
— ⛈	1020	1155	
— ⛈	1425	1620	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

THUNDERSTORM 1543-1545 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26		13	17	4	27	28	16		5	20/22	—	8		10	—	23	24	25	—	29		30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM MAY 3 1 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	2710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	2W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	1 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	8	6	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	6	3	
10	V—VV	Visibility (miles and fractions)	10	15	25	
11	ww	Present weather				
12	W	Past weather	02	02	01	
13	TT	Dry bulb temperature (t) (°F.)	52.0	61.6	60.0	
14		Wet bulb temperature (t') (°F.)	53.1	57.5	56.2	
15		Difference (t—t')	1.9	4.1	3.8	
16	T_sT_s	Dew point (°F.)	50	55	53	
17	U	Relative humidity (%)	88	77	88	
18		Vapor pressure (inches)	.352	.426	.405	
19		Min. thermometer at observation	51.2	53.5	61.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	51.2 (12)	(24)		
21		Max. thermometer at observation	61.7	61.6	62.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1620			
25	RR	Total precipitation past 6 hours	.03			
26	PPP	Sea-level pressure (mbs.)		1016.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	W	W	
32	F	Wind velocity (m. p. h.)	5	5	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.030		
37		Total correction		.187		
38		Station pressure		29.843		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.01		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	1			2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM: JUN 1 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	3	
10	V—VV	Visibility (miles and fractions)	1	20	20	
11	ww	Present weather	25, 03	03	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.8	55.9	57.6	
14		Wet bulb temperature (t′) (°F.)	52.0	53.0	55.0	
15		Difference (t—t′)	.8	2.9	2.6	
16	T_dT_d	Dew point (°F.)	51.3	51	53	
17	U	Relative humidity (%)	95	84	85	
18		Vapor pressure (inches)	.271	.276	.285	
19		Min. thermometer at observation	51.1	54.2	55.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.3	56.8	57.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0700	—	—	
25	RR	Total precipitation past 6 hours	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	WSW	W	
32	F	Wind velocity (m. p. h.)	8	12	22	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		29.965		
37		Total correction		-.188		
38		Station pressure		29.777		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)	JE	DV	FS	
45		Initials of observer				

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— T	0100	0700	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Haze in morning — 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE JUN 2 1948

FROM _____ (Month) _____ (Day) _____ (Year)

TO _____ (Month) _____ (Day) _____ (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	07/0 LST	13/1 LST	19/0 LST	LST
2	C_L	Clouds, low (type and direction)	5W	SW	5W	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	8	10	2	
11	ww	Present weather	~~02~~ 03	~~52~~ 03	53, 08	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.4	54.1	55.0	
14		Wet bulb temperature (t') (°F.)	52.6	54.4	54.4	
15		Difference (t—t')	.8	1.7	1.0	
16	T_sT_s	Dew point (°F.)	52	53	54	
17	U	Relative humidity (%)	95	89	94	
18		Vapor pressure (inches)	.290	.405	.420	
19		Min. thermometer at observation	51.7	53.4	54.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.1	56.6	56.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0100	1210	1600	
25	RR	Total precipitation past 6 hours	T	T	T	
26	PPP	Sea-level pressure (mbs.)		1016.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	8	11	12	
33	S_PS_P	Special phenomenon, general data	—	—		
34	s_ps_p	Special phenomenon, detailed data	—	—		
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78		
36		Observed barometer reading		30.024		
37		Total correction		-.168		
38		Station pressure		29.856		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.01		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
-T	0100	1210	59
-T	1600	2130	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	1	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIF. CITY OFFICE

FROM JUN 3 1949 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 1/2-th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	3	
10	V—VV	Visibility (miles and fractions)	15	20	25	
11	ww	Present weather	03	03	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.0	56.5	57.9	
14		Wet bulb temperature (t') (°F.)	51.0	52.1	52.8	
15		Difference (t—t')	3.0	4.4	5.1	
16	T_dT_d	Dew point (°F.)	49.4	48.6	49.3	
17	U	Relative humidity (%)	82	94	71	
18		Vapor pressure (inches)	.349	.336	.349	
19		Min. thermometer at observation	52.8	54.0	55.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.0	56.8	59.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0640	—	—	
25	RR	Total precipitation ~~past 6 hours~~	.01	0	0	
26	PPP	Sea-level pressure (mbs.)		1022.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction		W	W	
32	F	Wind velocity (m. p. h.)		22	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		29.0		
36		Observed barometer reading		30.139		
37		Total correction		−.188		
38		Station pressure		29.951		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		57.9		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.13		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ●	0315	0640	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM JUN 4 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	2110 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	0	
3	C_M	Clouds, middle (type and direction)	4NW	7W	0	
4	C_H	Clouds, high (type and direction)	3NW	X	3NW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	W	NW	
6	h	Clouds, height of lowest	—			
7	N_h	Clouds, amount of lowest	1	4	7	
8	h_ch_c	Ceiling	—			
9	N	Total amount of all clouds	3	10	7	
10	V—VV	Visibility (miles and fractions)	5		1	
11	ww	Present weather	01,05,17	03	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.5	59.4	61.4	
14		Wet bulb temperature (t') (°F.)	52.0	54.1	54.9	
15		Difference (t—t')	2.5	5.3	6.5	
16	T_sT_s	Dew point (°F.)	50	50	50	
17	U	Relative humidity (%)	85	72	66	
18		Vapor pressure (inches)	.362	.362	.362	
19		Min. thermometer at observation	52.0	54.1	58.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.2	61.8	65.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1014.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	14	6	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		28.0		
36		Observed barometer reading		29.88		
37		Total correction		-.188		
38		Station pressure		29.800		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.97		
44		Time of filing (L. S. T.)				
45		Initials of observer	VFE	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K 0200 — 1040 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM JUN 5 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 SE	5 W	0	
3	C_M	Clouds, middle (type and direction)	1 X	X	4 W	
4	C_H	Clouds, high (type and direction)	X	X	6 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	W	W	
6	h	Clouds, height of lowest	—			
7	N_h	Clouds, amount of lowest	—	9+	6	
8	h_ch_c	Ceiling	—			
9	N	Total amount of all clouds	10	9+	6	
10	V—VV	Visibility (miles and fractions)	12	30	20	
11	ww	Present weather	03	03	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.5	63.0	61.4	
14		Wet bulb temperature (t') (°F.)	54.0	57.2	56.3	
15		Difference (t—t')	3.5	5.8	5.1	
16	T_sT_s	Dew point (°F.)	51	53	53	
17	U	Relative humidity (%)	79	82	73	
18		Vapor pressure (inches)	.376	.405	.405	
19		Min. thermometer at observation	53.4	57.5	61.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.4	63.0	65.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	—	—	—	
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	W	W	
32	F	Wind velocity (m. p. h.)	6	5	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		29.998		
37		Total correction		-.188		
38		Station pressure		29.810		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)		29.98		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)	2B	2C	2A	
45		Initials of observer	B			

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM JUN 6 1949 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	3 SW	5 SW	5 W	
3	C_M	Clouds, middle (type and direction)	X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	6 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	8	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	8	
10	V—VV	Visibility (miles and fractions)	15	25	35	
11	ww	Present weather	03	03	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.8	61.0	61.1	
14		Wet bulb temperature (t′) (°F.)	56.0	55.5	56.0	
15		Difference (t—t′)	3.8	5.5	5.1	
16	T_sT_s	Dew point (°F.)	53	51.4	52.3	
17	U	Relative humidity (%)	78	71	74	
18		Vapor pressure (inches)	.405	.376	.390	
19		Min. thermometer at observation	55.1	59.0	61.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.4	61.4	62.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1014.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	5	12	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		29.980		
37		Total correction		-187		
38		Station pressure		29.793		
39		Tmp. 12 hours previously (t_2)		71.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.96		
44		Time of filing (L. S. T.)	9 E	21	21	
45		Initials of observer				

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
e—	0340	0820	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
FROM CITY OFFICE (Month) (Day) (Year)
TO JUN 7 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	5W	
3	C_M	Clouds, middle (type and direction)	8 SE	9 SE	7 W	
4	C_H	Clouds, high (type and direction)	0	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SE	SE	W	
6	h	Clouds, height of lowest	3	7	—	
7	N_h	Clouds, amount of lowest			1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	3	7	7	
10	V—VV	Visibility (miles and fractions)	8	10	15	
11	ww	Present weather	01	07	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	60.4	59.8	59.6	
14		Wet bulb temperature (t') (°F.)	55.4	56.4	55.5	
15		Difference (t—t')	5.0	3.7	4.1	
16	T_dT_d	Dew point (°F.)	52.2	53.1	53.1	
17	U	Relative humidity (%)	73	79	76	
18		Vapor pressure (inches)	.370	.405	.405	
19		Min. thermometer at observation	55.0	58.4		
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.9	66.7	61.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	W	W	
32	F	Wind velocity (m. p. h.)	2	14	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.000		
37		Total correction		-188		
38		Station pressure		29.812		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	JB		

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE (Month) JUN 8 (Day) 1948 (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	7	7	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	7	7	
10	V—VV	Visibility (miles and fractions)	8	20	25	
11	ww	Present weather	03	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.8	58.4	61.0	
14		Wet bulb temperature (t') (°F.)	53.7	54.6	56.4	
15		Difference (t—t')	1.1	3.8	5.0	
16	T_sT_s	Dew point (°F.)	53.3	53.3	53.2	
17	U	Relative humidity (%)	94	78	73	
18		Vapor pressure (inches)	.405	.390	.405	
19		Min. thermometer at observation	52.3	54.8	59.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.0	59.7	62.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1014.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	NW	W	
32	F	Wind velocity (m. p. h.)	5	13	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		29.582		
37		Total correction		-.188		
38		Station pressure		29.394		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.96		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) JUN 9 (Day) 1948 (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	07.0 LST	12.0 LST	19.0 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	5 SW	5 SW	
3	C_M	Clouds, middle (type and direction)	0	0	1 X	
4	C_H	Clouds, high (type and direction)	0	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	9	5	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	9	6	
10	V—VV	Visibility (miles and fractions)	10	10	25	
11	ww	Present weather	02	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	61.8	65.7	65.5	
14		Wet bulb temperature (t') (°F.)	57.7	59.6	60.5	
15		Difference (t—t')	4.1	6.1	5.0	
16	T_sT_s	Dew point (°F.)	55	56	57	
17	U	Relative humidity (%)	78	70	74	
18		Vapor pressure (inches)	.436	.452	.468	
19		Min. thermometer at observation	57.1	61.8	65.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.8	65.8	69.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	1028	—	
25	RR	Total precipitation past 6 hours	0	T	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	NW	SW	
32	F	Wind velocity (m. p. h.)	6	4	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		79.0		
36		Observed barometer reading		30.003		
37		Total correction		-.191		
38		Station pressure		29.812		
39		Tmp. 12 hours previously (t_2)		19		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
Lgt Rain	1015	1028	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →		2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM JUN 1 0 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 22-22th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	5 SW	5 SW	
3	C_M	Clouds, middle (type and direction)	7 SW	2 SW	4 X	
4	C_H	Clouds, high (type and direction)	0	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	5	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	10	4	
10	V—VV	Visibility (miles and fractions)	10	10	20	
11	ww	Present weather	01	03	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	60.0	66.1	65.1	
14		Wet bulb temperature (t') (°F.)	57.0	59.7	60.0	
15		Difference (t—t')	3.0	6.4	5.1	
16	T_dT_d	Dew point (°F.)	55	56	57	
17	U	Relative humidity (%)	83	69	73	
18		Vapor pressure (inches)	.436	.452	.468	
19		Min. thermometer at observation	57.0	59.4	65.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.5	67.1	66.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	1330	
25	RR	Total precipitation past ~~6 hours~~	0	0	T	
26	PPP	Sea-level pressure (mbs.)		1017.6		
27	a	3-hour pressure characteristic				
28	pp	3-honr pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	6	7	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		79.0		
36		Observed barometer reading		30.068		
37		Total correction		-.191		
38		Station pressure		29.877		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.65		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	1330	1330	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO~~, CALIFORNIA

FROM CITY OFFICE JUN 1 1 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 NW	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	1 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	NW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9	1	
10	V—VV	Visibility (miles and fractions)	15	15	25	
11	ww	Present weather	03	02	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	60.0	63.5	63.2	
14		Wet bulb temperature (t′) (°F.)	57.2	58.2	58.0	
15		Difference (t—t′)	2.8	5.3	5.2	
16	T_sT_s	Dew point (°F.)	55	55	54+4	
17	U	Relative humidity (%)	84	74	73	
18		Vapor pressure (inches)	.436	.436	.420	
19		Min. thermometer at observation	58.6	57.5	62.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.1	65.7	66.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	5	9	17	
33	S_PS_P	Special phenomenon, general data	—			
34	s_ps_p	Special phenomenon, detailed data	—			
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		80.0		
36		Observed barometer reading		30.099		
37		Total correction		-.193		
38		Station pressure		29.906		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.08		
44		Time of filing (L. S. T.)				
45		Initials of observer	KS	KS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM JUN 1 2 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	0	5 X	
3	C_M	Clouds, middle (type and direction)	7 NW	7 X	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	X	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	1	1	
10	V—VV	Visibility (miles and fractions)	10	35	40	
11	ww	Present weather	03	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.8	62.5	63.0	
14		Wet bulb temperature (t′) (°F.)	55.1	55.5	56.0	
15		Difference (t—t′)	2.7	7.0	7.0	
16	T_sT_s	Dew point (°F.)	53	50	51	
17	U	Relative humidity (%)	85	64	65	
18		Vapor pressure (inches)	.405	.362	.376	
19		Min. thermometer at observation	55.0	57.0	61.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	55.0 (12)	(24)		
21		Max. thermometer at observation	64.0	63.5	64.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	—			
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1017.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	W	SW	
32	F	Wind velocity (m. p. h.)	5	15	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.07		
37		Total correction		-.12		
38		Station pressure		29.88		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.05		
44		Time of filing (L. S. T.)				
45		Initials of observer	RJS	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ inches. 62

SPACES FOR CODING

Line numbers →		2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) JUN 1 3 1948 (Day) (Year)

TO _____ (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 90th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest	—	—	—	
7	N_h	Clouds, amount of lowest	1	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	1	1	
10	V—VV	Visibility (miles and fractions)	30	30	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	60.5	62.8	63.0	
14		Wet bulb temperature (t′) (°F.)	56.1	58.1	57.8	
15		Difference (t—t′)	4.4	4.7	5.2	
16	T_sT_s	Dew point (°F.)	53	52	54	
17	U	Relative humidity (%)	75	66	73	
18		Vapor pressure (inches)	.405	.390	.420	
19		Min. thermometer at observation	56.1	60.5	62.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.0	65.0	66.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1017.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	6	12	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		79.0		
36		Observed barometer reading		30.074		
37		Total correction		-.191		
38		Station pressure		29.883		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.05		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 | UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU | (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM JUN 14 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1614 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	6 N	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	0	N	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	1-	
10	V—VV	Visibility (miles and fractions)	10	20	35	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.0	62.6	61.2	
14		Wet bulb temperature (t') (°F.)	55.9	57.0	55.4	
15		Difference (t—t')	2.1	5.6	5.8	
16	T_dT_d	Dew point (°F.)	54	53	51	
17	U	Relative humidity (%)	88	71	69	
18		Vapor pressure (inches)	.420	.405	.376	
19		Min. thermometer at observation	54.9	57.3	60.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	54.9 (12)	(24)	X	X
21		Max. thermometer at observation	63.1	63.0	63.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours	X	X	(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1017.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	5	18	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data.				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.060		
37		Total correction		-188		
38		Station pressure		29872		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.04		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	RDS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level
(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. ______ to 0730 E. ______ ; ______ inches. 62

SPACES FOR CODING

46

Line numbers →				2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM JUN 1 5 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, 1[illegible]th Mer. Time	LST	LST	LST	LST
2	C_L	Clouds, low (type and direction)	5/W	5W	0	
3	C_M	Clouds, middle (type and direction)	0	0	4 N	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	N	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	7	4	1-	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	7	4	1-	
10	V—VV	Visibility (miles and fractions)	7	20	30	
11	ww	Present weather	02	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.3	61.1	60.6	
14		Wet bulb temperature (t′) (°F.)	53.3	55.4	56.0	
15		Difference (t—t′)	3.0	5.7	4.6	
16	T_sT_s	Dew point (°F.)	51	51	53	
17	U	Relative humidity (%)	82	69	73	
18		Vapor pressure (inches)	.376	.376	.405	
19		Min. thermometer at observation	54.1	56.3	60.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.0	63.0	63.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	W	W	
32	F	Wind velocity (m. p. h.)	8	17	24	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.075		
37		Total correction		-.188		
38		Station pressure		29.887		
39		Tmp. 12 hours previously (t_2)		71.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.06		
44		Time of filing (L. S. T.)				
45		Initials of observer	SJB	RJ	RJ	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →		2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P			T T		U	C_H	a	p p		T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P			T T		U	C_H	a	p p		T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P			T T		U	C_H	a	p p		T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P			T T		U	C_H	a	p p		T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1093 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W		
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	1	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	1	0	
10	V—VV	Visibility (miles and fractions)	8	20	30	
11	ww	Present weather	01	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.1	60.8	61.0	
14		Wet bulb temperature (t′) (°F.)	54.0	55.2	55.6	
15		Difference (t—t′)	3.1	5.6	5.4	
16	T_sT_s	Dew point (°F.)	51	51	52.4	
17	U	Relative humidity (%)	80	70	71	
18		Vapor pressure (inches)	.376	.376	.390	
19		Min. thermometer at observation	54.5	57.1	60.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.0	63.1	61.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—			
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	6	17	23	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		79.0		
36		Observed barometer reading		30.045		
37		Total correction		191		
38		Station pressure		28.854		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	KJS	WJS	

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) JUN 1 6 1948 (Year)

TO _____ (Month) (Day) (Year)

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) JUN 1 7 1948 (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 5	0	0	
3	C_M	Clouds, middle (type and direction)	4 x	0	0	
4	C_H	Clouds, high (type and direction)	0	6 NW	6 NW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	NW	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	1	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	1	3	
10	V—VV	Visibility (miles and fractions)	6	25	30	
11	ww	Present weather	05,17	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.8	61.5	61.1	
14		Wet bulb temperature (t′) (°F.)	53.0	55.6	53.8	
15		Difference (t—t′)	2.8	5.9	5.3	
16	T_dT_d	Dew point (°F.)	51	52	52	
17	U	Relative humidity (%)	89	73	72	
18		Vapor pressure (inches)	.420	.390	.390	
19		Min. thermometer at observation	52.1	55.8	59.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.0	64.8	62.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	W	W	
32	F	Wind velocity (m. p. h.)	5	11	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.5		
36		Observed barometer reading		30.001		
37		Total correction		—189		
38		Station pressure		29.812		
39		Tmp. 12 hours previously (t_2)		417		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)	2 C	RS	RS	
45		Initials of observer				

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) JUN 1 8 1948 (Day) (Year)

TO _____ (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	LST	LST	LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 SW	5 SW	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	SW	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1—	1—	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1—	1—	1—	
10	V—VV	Visibility (miles and fractions)	8	20	12	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.2	61.1	61.0	
14		Wet bulb temperature (t') (°F.)	52.0	55.4	56.5	
15		Difference (t—t')	4.2	5.7	4.5	
16	T_sT_s	Dew point (°F.)	44.3	51.2	54	
17	U	Relative humidity (%)	63	70	75	
18		Vapor pressure (inches)	.289	.376	.420	
19		Min. thermometer at observation	55.6	56.2	60.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	64.3	61.1	62.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	~~00~~		—	
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	SW	
32	F	Wind velocity (m. p. h.)	10	15	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.750		
37		Total correction		-.182		
38		Station pressure		29.768		
39		Tmp. 12 hours previously (t_2)		71.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.94		
44		Time of filing (L. S. T.)				
45		Initials of observer	RA	RA	RA	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

[illegible]AL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are fo[illegible] hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM JUN 1 9 1946 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, [illegible] th Mer. Time	0[illegible] LST	12[illegible] LST	1[illegible] LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	1W	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	2	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	2	2	1	
10	V—VV	Visibility (miles and fractions)	10	10	12	
11	ww	Present weather	01	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.2	61.1	62.0	
14		Wet bulb temperature (t′) (°F.)	54.0	55.2	57.0	
15		Difference (t—t′)	2.2	5.9	5.0	
16	T_sT_s	Dew point (°F.)	52	51	53	
17	U	Relative humidity (%)	86	68	73	
18		Vapor pressure (inches)	.390	.376	.405	
19		Min. thermometer at observation	55.1	56.2	60.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.0	64.0	63.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	5	12	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		79		
36		Observed barometer reading		30.050		
37		Total correction		-.191		
38		Station pressure		29.859		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.03		
44		Time of filing (L. S. T.)				
45		Initials of observer	RA	KOS	KOS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM JUN 20 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 1[illegible]th Mer. Time	1000 LST	LST	LST	LST
2	C_L	Clouds, low (type and direction)	0	5W	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1x	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	x	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	1	7	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	1	7	
10	V—VV	Visibility (miles and fractions)	15	20	20	
11	ww	Present weather	00	00	07	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	63.0	63.1	60.8	
14		Wet bulb temperature (t') (°F.)	58.0	58.9	58.0	
15		Difference (t—t')	5.0	4.2	2.8	
16	T_dT_d	Dew point (°F.)	55	56	56	
17	U	Relative humidity (%)	74	78	85	
18		Vapor pressure (inches)	.436	.452	.452	
19		Min. thermometer at observation	53.8	61.1	59.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.1	63.9	64.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1014.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Heigbt 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	12	20	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		29.979		
37		Total correction		-.188		
38		Station pressure		29.791		
39		Tmp. 12 hours previously (t_2)		11		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.96		
44		Time of filing (L. S. T.)				
45		Initials of observer	KAG	KAG	P.O.C.	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM JUN 21 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	5 NW	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	0	0	
10	V—VV	Visibility (miles and fractions)	25	25	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	62.2	74.1	62.1	
14		Wet bulb temperature (t') (°F.)	57.5	61.0	58.0	
15		Difference (t—t')	2.7	10.1	2.1	
16	T_sT_s	Dew point (°F.)	51.3	55.4	52.3	
17	U	Relative humidity (%)	71	59	62	
18		Vapor pressure (inches)	.376	.436	.405	
19		Min. thermometer at observation	54.5	60.2	66.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.8	74.8	69.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1010.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NE	W	W	
32	F	Wind velocity (m. p. h.)	3	12	22	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.850		
37		Total correction		-1.85		
38		Station pressure		29.65		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.83		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →		2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM JUN 2 2 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest	—	—	—	
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	—	
10	V—VV	Visibility (miles and fractions)	12	35	35	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	72.0	74.6	74.0	
14		Wet bulb temperature (t') (°F.)	56.0	59.8	59.5	
15		Difference (t—t')	16.0	14.8	14.5	
16	T_sT_s	Dew point (°F.)	52.9	50.4	50.4	
17	U	Relative humidity (%)	50	41	42	
18		Vapor pressure (inches)	.290	.297	.302	
19		Min. thermometer at observation	57.3	72.0	74.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	67.6	79.5	80.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1008.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	W	W	
32	F	Wind velocity (m. p. h.)	3	12	18	
33	S_PS_P	Special phenomenon, general data		—		
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		29.800		
37		Total correction		-187		
38		Station pressure		29.613		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.78		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	1	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) JUN 2 3 1948 (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	SW	0	SW	
3	C_M	Clouds, middle (type and direction)	X	0	X	
4	C_H	Clouds, high (type and direction)	X	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	—	W	
6	h	Clouds, height of lowest			—	
7	N_h	Clouds, amount of lowest	10	0	7	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	0	7	
10	V—VV	Visibility (miles and fractions)	3	15	8	
11	ww	Present weather	08	00	02	
12	W	Past weather				
13	TT	Dry bulb temperatnre (t) (°F.)	53.0	64.0	57.8	
14		Wet hulb temperature (t') (°F.)	52.1	58.2	56.8	
15		Difference (t—t')	0.9	5.8	3.0	
16	T_sT_s	Dew point (°F.)	51	54	55	
17	U	Relative humidity (%)	94	70	82	
18		Vapor pressure (inches)	.376	.420	.406	
19		Min. thermometer at observation	52.8	53.0	57.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	74.0	64.0	64.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1012.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	12	15	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		29.80		
36		Observed barometer reading		29.930		
37		Total correction		−.035		
38		Station pressure		29.895		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.91		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

M

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) JUN 24 1948 (Day) (Year)

TO _____ (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	LST	LST	LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5W	5W	
3	C_M	Clouds, middle (type and direction)	x	0	0	
4	C_H	Clouds, high (type and direction)	x	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W		
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1-	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1-	2	
10	V—VV	Visibility (miles and fractions)	8	20	8	
11	ww	Present weather	03	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.2	63.0	61.0	
14		Wet bulb temperature (t') (°F.)	55.0	57.2	58.5	
15		Difference (t—t')	2.2	5.8	4.5	
16	T_sT_s	Dew point (°F.)	54	53.		
17	U	Relative humidity (%)	88	70.		
18		Vapor pressure (inches)	.405	.405		
19		Min. thermometer at observation		56.1		
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.8	65.0		
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	W	
32	F	Wind velocity (m. p. h.)	9	10	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.001		
37		Total correction		-188		
38		Station pressure		29.813		
39		Tmp. 12 hours previously (t_2)		17-		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.94		
44		Time of filing (L. S. T.)				
45		Initials of observer	RJ	JHD	JHD	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM _____ (Month) _____ (Day) _____ (Year)
TO _____ (Month) JUN 25 1948 (Day) _____ (Year)

TMC EMP. # 903 DATE CHANGED 6-25-48

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	LST	LST	LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	2	5	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	2	5	
10	V—VV	Visibility (miles and fractions)	3	8	8	
11	ww	Present weather	03,05,17	01	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.2	58.6	59.9	
14		Wet bulb temperature (t') (°F.)	53.9	55.0	56.6	
15		Difference (t—t')	2.3	3.6	3.3	
16	T_sT_s	Dew point (°F.)	52	53	54	
17	U	Relative humidity (%)	86	80	81	
18		Vapor pressure (inches)	.390	.415	.420	
19		Min. thermometer at observation	54.3	55.9	56.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.2	61.9	62.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	WSW	SW	W	
32	F	Wind velocity (m. p. h.)	11	12	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		29.85		
36		Observed barometer reading		29.880		
37		Total correction		-.192		
38		Station pressure		29.688		
39		Tmp. 12 hours previously (t_2)		19		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)	28	29.792		
44		Time of filing (L. S. T.)				
45		Initials of observer		KGS	KGS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

A + K – DNA — 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM JUN 26 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, 120th Mer. Time	0710 LST	1210 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	3	6	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	3	6	
10	V—VV	Visibility (miles and fractions)	8	15	30	
11	ww	Present weather	03	01	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.2	61.0	61.6	
14		Wet bulb temperature (t′) (°F.)	54.0	56.0	56.0	
15		Difference (t—t′)	3.2	5.0	5.6	
16	T_dT_d	Dew point (°F.)	52	52	52	
17	U	Relative humidity (%)	82	73	71	
18		Vapor pressure (inches)	.390	.390	.390	
19		Min. thermometer at observation	55.0	51.2	59.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.5	61.1	62.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1011.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	SW	
32	F	Wind velocity (m. p. h.)	5	14	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		30.0		
36		Observed barometer reading		29.91		
37		Total correction		+.03		
38		Station pressure		29.08		
39		Tmp. 12 hours previously (t_2)		57.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.88		
44		Time of filing (L. S. T.)	0715	1215	1915	
45		Initials of observer	WJ	WJ	WJ	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Humidity @ Max 70% 3 PM 60
Max 62.4

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) JUN (Day) 27 (Year) 1948

TO (Month) (Day) (Year)

		75th-Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0110 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	3	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	3	2	
10	V—VV	Visibility (miles and fractions)	15	25	25	
11	ww	Present weather	02	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	60.0	62.1	61.7	
14		Wet bulb temperature (t') (°F.)	55.5	56.5	57.0	
15		Difference (t—t')	4.5	5.6	4.7	
16	T_sT_s	Dew point (°F.)	52	53	54-3	
17	U	Relative humidity (%)	75	71	78	
18		Vapor pressure (inches)	.390	.405	.420	
19		Min. thermometer at observation	56.7	60.0	61.7	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.6	62.1	61.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	10	15	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		80.0		
36		Observed barometer reading		30.002		
37		Total correction		-193		
38		Station pressure		29.809		
39		Tmp. 12 hours previously (t_2)		-19		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)	01	05	08	
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Humidity @ Max Temp for 97 — 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) JUN 28 1948 (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1212 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5/W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)				
4	C_H	Clouds, high (type and direction)				
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	3	6	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	3	6	
10	V—VV	Visibility (miles and fractions)	6	8	12	
11	ww	Present weather	03,05,17	01,	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.7	63.4	60.1	
14		Wet bulb temperature (t') (°F.)	55.0	59.9	56.4	
15		Difference (t—t')	1.7	3.5	3.7	
16	T_sT_s	Dew point (°F.)	54	58	54	
17	U	Relative humidity (%)	90	80	80	
18		Vapor pressure (inches)	.420	.486	.420	
19		Min. thermometer at observation	54.0	56.6	58.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.0	63.5	63.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	7	12	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.5		
36		Observed barometer reading		30.048		
37		Total correction		-.189		
38		Station pressure		29.859		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		+.17		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.03		
44		Time of filing (L. S. T.)				
45		Initials of observer				

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—9	0200	0800	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

mod 64° & 74% at 3:00 p.m.	60
St W Turn Pilot on Sta. all day	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 • UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) JUN 29 1948 (Day) (Year)

TO _____ (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5X	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	3W	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	W	W	
6	h	Clouds, height of lowest	•			
7	N_h	Clouds, amount of lowest	10	5	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	5	4	
10	V—VV	Visibility (miles and fractions)	3	20	30	
11	ww	Present weather	03,57	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.8	64.5	60.0	
14		Wet bulb temperature (t') (°F.)	54.5	57.9	56.5	
15		Difference (t—t')	1.3	6.6	3.5	
16	T_dT_d	Dew point (°F.)	54	54	54	
17	U	Relative humidity (%)	93	76	80	
18		Vapor pressure (inches)	.420	.490	.420	
19		Min. thermometer at observation	54.5	55.6	60.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.0	64.5	63.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past ~~6 hours~~	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	WSW	
32	F	Wind velocity (m. p. h.)	7	12	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		79.0		
36		Observed barometer reading		30.012		
37		Total correction		-191		
38		Station pressure		29.821		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)		25	25	
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
-2	2200	1002	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Fog — 0100 — 0900 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 90th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	X	
4	C_H	Clouds, high (type and direction)	X	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	4	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	4	10	
10	V—VV	Visibility (miles and fractions)	6	20	10	
11	ww	Present weather	50,03	01	50,03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.7	60.2	58.0	
14		Wet bulb temperature (t') (°F.)	54.4	56.4	55.5	
15		Difference (t—t')	1.3	3.8	2.5	
16	T_sT_s	Dew point (°F.)	54.4	50.2	54.1	
17	U	Relative humidity (%)	92	78	85	
18		Vapor pressure (inches)	.420	.420	.420	
19		Min. thermometer at observation	54.6	55.7	57.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.0	61.0	62.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0310	0930		
25	RR	Total precipitation past 6 hours	T	T	T	
26	PPP	Sea-level pressure (mbs.)		1011.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	WSW	SW	
32	F	Wind velocity (m. p. h.)	10	15	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		28.0		
36		Observed barometer reading		28.900		
37		Total correction		-186		
38		Station pressure		28.714		
39		Tmp. 12 hours previously (t_2)		[illegible]		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE JUN 30 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
9 —	0310	0930	59
— 9	2100	—	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 1 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0 710 LST	1 210 LST	1 610 LST	LST
2	C_L	Clouds, low (type and direction)	5/W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)				
4	C_H	Clouds, high (type and direction)				
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	7	7	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	7	7	
10	V—VV	Visibility (miles and fractions)	1.2	2.0	2.0	
11	ww	Present weather	03	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.7	59.6	59.4	
14		Wet bulb temperature (t') (°F.)	54.2	56.0	55.1	
15		Difference (t—t')	2.5	3.6	4.3	
16	T_sT_s	Dew point (°F.)	52	53.4	52	
17	U	Relative humidity (%)	85	80	76	
18		Vapor pressure (inches)	.390	.405	.390	
19		Min. thermometer at observation	54.1	56.7	55.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.0	60.2	61.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0700	—	—	
25	RR	Total precipitation past 6 hours	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1012.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	W	
32	F	Wind velocity (m. p. h.)	13	14	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.92		
37		Total correction		-.191		
38		Station pressure		29.784		
39		Tmp. 12 hours previously (t_2)		47.9		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]			

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
-9	Cont'd	0700	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

[illegible]	60
[illegible]	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →		2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 2 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	3	
10	V—VV	Visibility (miles and fractions)	7	12	20	
11	ww	Present weather	03	03	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.2	57.0	59.0	
14		Wet bulb temperature (t') (°F.)	51.0	52.8	53.2	
15		Difference (t—t')	3.2	4.2	5.8	
16	T_sT_s	Dew point (°F.)	48	50	47	
17	U	Relative humidity (%)	80	79	68	
18		Vapor pressure (inches)	.336	.362	.336	
19		Min. thermometer at observation	52.8	54.2	57.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.1	57.0	59.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—			
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	W	
32	F	Wind velocity (m. p. h.)	7	13	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.000		
37		Total correction		—.188		
38		Station pressure		29.812		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	KGS			

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Humidity 76 at 1500 July 2 60
Met Off

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO JUL 3 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	7 LST	12 LST	16 LST	LST
2	C_L	Clouds, low (type and direction)	5W	1 W	5 W	
3	C_M	Clouds, middle (type and direction)	0	4/X	X	
4	C_H	Clouds, high (type and direction)	0	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	X	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	1	9	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	1	9	
10	V—VV	Visibility (miles and fractions)	7	12	20	
11	ww	Present weather	03	61	62	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.5	58.3	57.5	
14		Wet bulb temperature (t′) (°F.)	51.0	53.0	52.5	
15		Difference (t—t′)	2.5	5.3	4.2	
16	T_sT_s	Dew point (°F.)	49	49	50	
17	U	Relative humidity (%)	84	70	75	
18		Vapor pressure (inches)	.349	.349	.362	
19		Min. thermometer at observation	57.9	53.5	57.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.1	58.7	60.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	8	24	21	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.024		
37		Total correction		-.188		
38		Station pressure		29.836		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		4.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.01		
44		Time of filing (L. S. T.)				
45		Initials of observer	1295	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Visibility 6 P. M. [illegible] 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 4 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 SW	5 SW	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	SW	SW	
6	h	Clouds, height of lowest	—	—	—	
7	N_h	Clouds, amount of lowest	10	10	9+	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	9+	
10	V—VV	Visibility (miles and fractions)	8	8	30	
11	ww	Present weather	03, 50	03, 50	03, 50	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.0	56.2	58.5	
14		Wet bulb temperature (t') (°F.)	52.5	53.1	54.5	
15		Difference (t—t')	2.5	3.1	4.0	
16	T_sT_s	Dew point (°F.)	51	51	52	
17	U	Relative humidity (%)	85	81	77	
18		Vapor pressure (inches)	.376	.376	.390	
19		Min. thermometer at observation	53.1	55.0	54.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.8	56.2	59.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past ~~6 hours~~	T	T	T	
26	PPP	Sea-level pressure (mbs.)		1015.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	6	12	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.02.0		
37		Total correction		−.188		
38		Station pressure		29.832		
39		Tmp. 12 hours previously (t_2)		41		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.00		
44		Time of filing (L. S. T.)				
45		Initials of observer	25	25	25	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
Lt Rain (PST) →	1350	1450	
Drizzle	1605	1720	
Lt Rain	2145	CONT	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 5 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0730 LST	1230 LST	1830 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	7 W	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest	9+			
7	N_h	Clouds, amount of lowest		5	5	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	5	5	
10	V—VV	Visibility (miles and fractions)	20	35	35	
11	ww	Present weather	03	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.6	63.0	63.3	
14		Wet bulb temperature (t′) (°F.)	52.8	55.0	56.0	
15		Difference (t—t′)	4.8	8.0	7.3	
16	T_sT_s	Dew point (°F.)	49	49	51.3	
17	U	Relative humidity (%)	73	60	64	
18		Vapor pressure (inches)	.349	.349	.376	
19		Min. thermometer at observation	53.8	57.6	62.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.5	63.0	64.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	.02	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	6	8	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.088		
37		Total correction		—187		
38		Station pressure		29.89B		
39		Tmp. 12 hours previously (t_2)		417		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.06		
44		Time of filing (L. S. T.)				
45		Initials of observer				

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R—	Cont	0500	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Humidity 64% at 1400 60
Cond 64.2
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46																																															
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO JUL 6 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	3 W	3 W	5 W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	7	3	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	7	3	1	
10	V—VV	Visibility (miles and fractions)	15	30	30	
11	ww	Present weather	02	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.6	62.2	62.5	
14		Wet bulb temperature (t') (°F.)	55.6	57.0	57.2	
15		Difference (t—t')	2.0	5.2	5.3	
16	T_sT_s	Dew point (°F.)	54.4	53	53	
17	U	Relative humidity (%)	88	73	72	
18		Vapor pressure (inches)	.420	.405	.405	
19		Min. thermometer at observation	55.8	57.0	59.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.3	62.2	64.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	—	—		
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	W	
32	F	Wind velocity (m. p. h.)	9	15	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.100		
37		Total correction		-.183		
38		Station pressure		29.917		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.09		
44		Time of filing (L. S. T.)	N.L.	P.L.		
45		Initials of observer			KDS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

RH = 73% at time of Map (64.0) 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM _____ (Month) _____ (Day) _____ (Year)
TO JUL 7 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/20th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	0	0	1 X	
4	C_H	Clouds, high (type and direction)	0	0	1 X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	2	1	5	
10	V—VV	Visibility (miles and fractions)	12	2.0	25	
11	ww	Present weather	01	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.0	61.2	60.5	
14		Wet bulb temperature (t') (°F.)	54.2	55.8	55.5	
15		Difference (t—t')	4.8	5.4	5.0	
16	T_sT_s	Dew point (°F.)	50.5	53	52	
17	U	Relative humidity (%)	73	72	73	
18		Vapor pressure (inches)	.362	.390	.390	
19		Min. thermometer at observation	53.8	59.0	59.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.5	64.5	62.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	13	18	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.080		
37		Total correction		[illegible]		
38		Station pressure		29.795		
39		Tmp. 12 hours previously (t_2)		[illegible]		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.07		
44		Time of filing (L. S. T.)	RS	RS		
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

6690640 @ 0930 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	b	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 8 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	1 W	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	1	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	1	0	
10	V—VV	Visibility (miles and fractions)	15	12	30	
11	ww	Present weather	01	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.6	60.0	62.2	
14		Wet bulb temperature (t′) (°F.)	51.6	54.3	55.5	
15		Difference (t—t′)	3.0	5.7	6.7	
16	T_sT_s	Dew point (°F.)	49	50	51	
17	U	Relative humidity (%)	82	70	65	
18		Vapor pressure (inches)	.349	.362	.376	
19		Min. thermometer at observation	53.7	54.6	60.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.4	60.0	63.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	11	16	W	
32	F	Wind velocity (m. p. h.)	W	W	24	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.100		
37		Total correction		−.185		
38		Station pressure		29.915		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.09		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS		20	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Max 63° at 4pm (C) 60
Rel Hum 73% (Dace)

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	1			2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 9 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest	—	—	—	
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	8	15	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	61.1	66.8	68.6	
14		Wet bulb temperature (t′) (°F.)	55.0	57.4	59.8	
15		Difference (t—t′)	6.1	9.4	8.8	
16	T_dT_d	Dew point (°F.)	51	50	54	
17	U	Relative humidity (%)	68	56	57	
18		Vapor pressure (inches)	.376	.362	.420	
19		Min. thermometer at observation	54.5	61.1	65.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.0	71.0	70.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	W	W	
32	F	Wind velocity (m. p. h.)	—	11	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.125		
37		Total correction		—183		
38		Station pressure		29.942		
39		Tmp. 12 hours previously (t_2)		71.9		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.11		
44		Time of filing (L. S. T.)				
45		Initials of observer	20	OP	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

1045 6075 712 — 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 1 0 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	1710 LST	1210 LST	1410 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	1	1	
10	V—VV	Visibility (miles and fractions)	10	12	15	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	60.0	63.7	63.8	
14		Wet bulb temperature (t') (°F.)	56.2	58.9	59.0	
15		Difference (t—t')	3.8	4.8	4.8	
16	T_sT_s	Dew point (°F.)	53	56	56	
17	U	Relative humidity (%)	77	75	75	
18		Vapor pressure (inches)	.420	.452	.452	
19		Min. thermometer at observation	54.1	59.1	63.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	68.9	65.5	66.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1017.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	2	7	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.5		
36		Observed barometer reading		30.068		
37		Total correction		-.189		
38		Station pressure		29.879		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.08		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 1 1 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, _ _th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	1	1	
10	V—VV	Visibility (miles and fractions)	8	8	10	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	61.0	62.9	62.8	
14		Wet bulb temperature (t′) (°F.)	55.3	57.0	57.0	
15		Difference (t—t′)	5.7	5.9	5.8	
16	T_sT_s	Dew point (°F.)	51	53	53	
17	U	Relative humidity (%)	70	69	69	
18		Vapor pressure (inches)	.376	.2105	.2105	
19		Min. thermometer at observation	52.4	59.6	61.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	64.0	66.1	65.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	10	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		29.988		
37		Total correction		.188		
38		Station pressure		29.60		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.92		
44		Time of filing (L. S. T.)				
45		Initials of observer	RWS	RWS	RWS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3				11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 12 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	6	3	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest	—	—	—	
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	7	15	25	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	58.0	61.4	61.8	
14		Wet bulb temperature (t′) (°F.)	53.5	56.0	56.2	
15		Difference (t—t′)	4.5	5.4	5.6	
16	T_sT_s	Dew point (°F.)	50	52	52	
17	U	Relative humidity (%)	74	71	70	
18		Vapor pressure (inches)	.362	.390	.390	
19		Min. thermometer at observation	54.0	58.0	61.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	64.1	66.4	64.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	W	SW	
32	F	Wind velocity (m. p. h.)	2	13	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.870		
37		Total correction		—184		
38		Station pressure		29.686		
39		Tmp. 12 hours previously (t_2)		47.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.816		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO JUL 13 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	4 W	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	W	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	1	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	1	0	
10	V—VV	Visibility (miles and fractions)	4	12	10	
11	ww	Present weather	00,05,17	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	62.0	70.2	64.6	
14		Wet bulb temperature (t′) (°F.)	55.8	60.0	57.5	
15		Difference (t—t′)	6.2	10.2	7.1	
16	T_sT_s	Dew point (°F.)	52	52	53	
17	U	Relative humidity (%)	68	54	65	
18		Vapor pressure (inches)	.390	.405	.405	
19		Min. thermometer at observation	54.2	62.0	63.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.0	74.0	70.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	W	W	
32	F	Wind velocity (m. p. h.)	2	15	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.2		
36		Observed barometer reading		29.500		
37		Total correction		-.135		
38		Station pressure		29.365		
39		Tmp. 12 hours previously (t_2)		47.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.93		
44		Time of filing (L. S. T.)				
45		Initials of observer	WPS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

AHR — DMT	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM _____ (Month) (Day) (Year)
TO JUL 14 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	07/2 LST	13/2 LST	19/2 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	4	8	15	
11	ww	Present weather	00,05,17	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	65.7	82.7	70.2	
14		Wet bulb temperature (t′) (°F.)	59.2	66.0	60.4	
15		Difference (t—t′)	6.5	16.7	10.2	
16	T_sT_s	Dew point (°F.)	55	59.4	54	
17	U	Relative humidity (%)	69	41	56	
18		Vapor pressure (inches)	.436	.468	.420	
19		Min. thermometer at observation	56.3	65.7	70.7	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.1	82.7	82.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1011.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	WK	W	W	
32	F	Wind velocity (m. p. h.)	3	8	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.5		
36		Observed barometer reading		29.999		
37		Total correction		-.189		
38		Station pressure		29.18		
39		Tmp. 12 hours previously (t_2)		61.9		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.82		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HYK DNA — 1120 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 15 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	LST	LST	LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	6	15	20	
11	ww	Present weather	00,05,17	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.2	67.2	65.8	
14		Wet bulb temperature (t') (°F.)	55.3	59.9	59.2	
15		Difference (t—t')	1.9	7.3	6.6	
16	T_sT_s	Dew point (°F.)	54	55	55	
17	U	Relative humidity (%)	89	66	67	
18		Vapor pressure (inches)	.420	.436	.436	
19		Min. thermometer at observation	54.9	57.2	658	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	70.0	68.2	67.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1012		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	10	15	14	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		28.40		
37		Total correction		[illegible]		
38		Station pressure		28.56		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		[illegible]		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		28.83		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K DVA — 1100	60
Max 67 1130 5870	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM (Month) (Day) (Year)

TO JUL 1 6 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	5/W	5 W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	6	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	6	3	
10	V—VV	Visibility (miles and fractions)	2 1/2	5	10	
11	ww	Present weather	08,03	02,09	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.1	61.9	57.5	
14		Wet bulb temperature (t') (°F.)	54.4	58.0	54.5	
15		Difference (t—t')	.7	3.9	3.0	
16	T_sT_s	Dew point (°F.)	54	55	52	
17	U	Relative humidity (%)	96	80	87	
18		Vapor pressure (inches)	.420	.436	.390	
19		Min. thermometer at observation	53.4	55.0	57.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.8	61.9	62.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	0	0		
24	R_t	Time of precipitation	0630			
25	RR	Total precipitation past 6 hours	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1011.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	10	14	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		29.862		
37		Total correction		.183		
38		Station pressure		29.699		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.87		
44		Time of filing (L. S. T.)				
45		Initials of observer	RD	KDS	KDS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
9 —	0410	0630	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

— 0530 TO 0800	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 17 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	15	15	15	
11	ww	Present weather	03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.0	56.1	56.3	
14		Wet bulb temperature (t') (°F.)	54.0	54.0	54.3	
15		Difference (t—t')	1.0	2.1	2.0	
16	T_sT_s	Dew point (°F.)	53	52.3	53	
17	U	Relative humidity (%)	92	87	89	
18		Vapor pressure (inches)	.362	.390	.405	
19		Min. thermometer at observation	52.0	52.0	54.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	52.0 (12)	56.1 (24)		
21		Max. thermometer at observation			57.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0630	—	—	
25	RR	Total precipitation past 6 hours	T	0	0	
26	PPP	Sea-level pressure (mbs.)		10129		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	10	12	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		29.92		
37		Total correction		-.187		
38		Station pressure		29.737		
39		Tmp. 12 hours previously (t_2)		47.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.91		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
[illegible]	0500	0630	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Hammerling at [illegible] 60
[illegible] 850 — 230 PM. PST
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 18 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	09 dLST	121 dLST	161 dLST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	7	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	7	1	1	
10	V—VV	Visibility (miles and fractions)	10	15	20	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.1	62.1	59.2	
14		Wet bulb temperature (t') (°F.)	52.9	56.3	55.3	
15		Difference (t—t')	2.2	5.8	3.9	
16	T_sT_s	Dew point (°F.)	51	52	52	
17	U	Relative humidity (%)	86	70	78	
18		Vapor pressure (inches)	.376	.390	.390	
19		Min. thermometer at observation	51.6	54.6	56.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.8	63.1	62.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1010.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SW	SW	
32	F	Wind velocity (m. p. h.)	10	8	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.868		
37		Total correction		-.184		
38		Station pressure		29.684		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.85		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t'	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Humidity at time of the 73% at 1230 DST 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO JUL 19 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	5/1 LST	5/2 LST	5/2 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1	2	
10	V—VV	Visibility (miles and fractions)	2	8	8	
11	ww	Present weather	03,08,51	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.0	60.6	60.2	
14		Wet bulb temperature (t′) (°F.)	51.3	55.5	56.0	
15		Difference (t—t′)	0.7	5.1	4.2	
16	T_sT_s	Dew point (°F.)	51	52	53	
17	U	Relative humidity (%)	94	72	77	
18		Vapor pressure (inches)	.376	.390	.405	
19		Min. thermometer at observation	51.1	51.4	56.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.0	60.6	60.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0320	—	—	
25	RR	Total precipitation past 6 hours	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1009.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	6	9	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.820		
37		Total correction		−.184		
38		Station pressure		29.636		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.81		
44		Time of filing (L. S. T.)	[illegible]	[illegible]	[illegible]	
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— S	0000	0320	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

0500 – 0900 LT FOG	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8			10	—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 20 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	07/0 LST	0210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1	2	
10	V—VV	Visibility (miles and fractions)	3	15	20	
11	ww	Present weather	08,03	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.0	61.2	59.1	
14		Wet bulb temperature (t′) (°F.)	54.5	56.8	56.2	
15		Difference (t—t′)	1.5	4.4	3.9	
16	T_sT_s	Dew point (°F.)	54.5	54.3	54.1	
17	U	Relative humidity (%)	94	76	84	
18		Vapor pressure (inches)	.420	.420	.420	
19		Min. thermometer at observation	52.8	56.0	55.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.2	61.3	61.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1008.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	SW	
32	F	Wind velocity (m. p. h.)	7	16	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.800		
37		Total correction		-.184		
38		Station pressure		29.6.6		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.79		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

= R 0700 — 0900 ✓	60
80% 62° 1500 DST	
73% 61° 13:30 DST	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

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Line numbers →	1	1	1	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO JUL 21 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	07 LST	13 LST	19 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1	1	
10	V—VV	Visibility (miles and fractions)	8	10	15	
11	ww	Present weather	03	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.0	60.4	61.2	
14		Wet bulb temperature (t') (°F.)	54.8	56.2	56.4	
15		Difference (t—t')	2.2	4.2	4.8	
16	T_dT_d	Dew point (°F.)	53	53	53	
17	U	Relative humidity (%)	87	77	75	
18		Vapor pressure (inches)	.405	.405	.405	
19		Min. thermometer at observation	53.6	57.0	58.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.1	62.4	62.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1011.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	SW	
32	F	Wind velocity (m. p. h.)	9	14	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.870		
37		Total correction		-184		
38		Station pressure		29.686		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.816		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

630— 4" DST 79% 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46																																												
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO JUL 22 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1-	1-	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1-	1-	
10	V—VV	Visibility (miles and fractions)	6	12	20	
11	ww	Present weather	63	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.0	64.4	60.4	
14		Wet bulb temperature (t') (°F.)	54.0	58.0	55.0	
15		Difference (t—t')	3.0	6.4	5.4	
16	T_sT_s	Dew point (°F.)	52	54	51	
17	U	Relative humidity (%)	83	68	71	
18		Vapor pressure (inches)	.390	.420	.376	
19		Min. thermometer at observation	53.7	57.0	57.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.4	64.4	60	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1012.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	SW	
32	F	Wind velocity (m. p. h.)	7	10	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.916		
37		Total correction		-.185		
38		Station pressure		29.731		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.90		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

65 175p DST 75.0/0
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 23 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clonds, low (type and direction)	5 SW	5 SW	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	X	
4	C_H	Clouds, high (type and direction)	X	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	W	
6	h	Clouds, height of lowest	–			
7	N_h	Clouds, amount of lowest	10	4	10	
8	h_ch_c	Ceiling	–			
9	N	Total amount of all clouds	10	4	10	
10	V—VV	Visibility (miles and fractions)	20	8	2	
11	ww	Present weather	02	02	57	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.0	60.2	58.9	
14		Wet bulb temperature (t') (°F.)	54.0	56.0	56.2	
15		Difference (t—t')	3.0	4.2	2.3	
16	T_sT_s	Dew point (°F.)	52	53	54	
17	U	Relative humidity (%)	81	77	86	
18		Vapor pressure (inches)	.390	.465	.420	
19		Min. thermometer at observation	54.6	56.4	57.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.0	60.2	62.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—		1600	
25	RR	Total precipitation past ~~6 hours~~	0 —	0	T.	
26	PPP	Sea-level pressure (mbs.)		1014.6		
27	a	3-hour pressure characteristic		1		
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	6	12	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		29.965		
37		Total correction		-.187		
38		Station pressure		29.778		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.97		
44		Time of filing (L. S. T.)				
45		Initials of observer	273	KGS	KGS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— T	1520	1630	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

62° 230 DST 75%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM _____ (Month) (Day) (Year)
TO JUL 24 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	4	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	4	1	
10	V—VV	Visibility (miles and fractions)	8	15	20	
11	ww	Present weather	03	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.4	59.1	61.3	
14		Wet bulb temperature (t') (°F.)	53.0	55.0	57.8	
15		Difference (t—t')	1.4	4.1	3.5	
16	T_sT_s	Dew point (°F.)	52	52	50.5	
17	U	Relative humidity (%)	92	77	68	
18		Vapor pressure (inches)	.395	.390	.362	
19		Min. thermometer at observation	54.0	54.2	59.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.6	59.2	62.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1830	T		
25	RR	Total precipitation past 6 hours	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1014.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	7	12	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.030		
37		Total correction		−181		
38		Station pressure		29.849		
39		Tmp. 12 hours previously (t_2)		71.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26		13	17	4	27	28		16		5	20/22	—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	1	1	
10	V—VV	Visibility (miles and fractions)	15	20	25	
11	ww	Present weather	01	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.8	62.3	62.6	
14		Wet bulb temperature (t') (°F.)	53.2	57.2	57.2	
15		Difference (t—t')	4.6	6.1	5.4	
16	T_sT_s	Dew point (°F.)	52	53	53	
17	U	Relative humidity (%)	74	69	72	
18		Vapor pressure (inches)	.398	.405	.405	
19		Min. thermometer at observation	53.8	57.8	62.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.3	64.0	64.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0	0	0	
25	RR	Total precipitation past 6 hours				
26	PPP	Sea-level pressure (mbs.)		1015.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	W	W	
32	F	Wind velocity (m. p. h.)	16	11	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		71.0		
36		Observed barometer reading		30.002		
37		Total correction		−185		
38		Station pressure		29.817		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)				
45		Initials of observer	DR			

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 25 1948 (Month) (Day) (Year)

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9+	1-	1-	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	7+	1-	1-	
10	V—VV	Visibility (miles and fractions)	8	12	12	
11	ww	Present weather	03	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.0	61.3	64.0	
14		Wet bulb temperature (t') (°F.)	53.0	57.0	58.1	
15		Difference (t—t')	2.0	4.3	5.9	
16	T_sT_s	Dew point (°F.)	51.4	52.1	54	
17	U	Relative humidity (%)	87	77	70	
18		Vapor pressure (inches)	.376	.420	.420	
19		Min. thermometer at observation	52.3	53.7	60.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.7	61.3	65.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	12	14	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.038		
37		Total correction		-.185		
38		Station pressure		29.853		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		61.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	KOS	

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO JUL 26 1948 (Month) (Day) (Year)

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 27 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1	1	
10	V—VV	Visibility (miles and fractions)	7	10	15	
11	ww	Present weather	03	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.0	63.0	69.8	
14		Wet bulb temperature (t') (°F.)	50.4	57.5	60.4	
15		Difference (t—t')	5.6	5.5	9.4	
16	T_sT_s	Dew point (°F.)	53	54.3	54.4	
17	U	Relative humidity (%)	81	71	58	
18		Vapor pressure (inches)	.405	.420	.420	
19		Min. thermometer at observation	53.6	56.0	63.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	64.2	63.0	69.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0700	—	—	
25	RR	Total precipitation past 6 hours	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1014.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SW	W	
32	F	Wind velocity (m. p. h.)	5	13	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		29.970		
37		Total correction		-.188		
38		Station pressure		29.782		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.95		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	RA	RA	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— 2	Mid	0700	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3				11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 28 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	5 W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1 W	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	—	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	0	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	2	0	4	
10	V—VV	Visibility (miles and fractions)	7	10	10	
11	ww	Present weather	01	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	64.0	65.1	60.4	
14		Wet bulb temperature (t′) (°F.)	58.0	58.8	57.0	
15		Difference (t—t′)	6.0	6.3	3.4	
16	T_sT_s	Dew point (°F.)	54	55.4	55.3	
17	U	Relative humidity (%)	70	69	81	
18		Vapor pressure (inches)	.420	.456	.436	
19		Min. thermometer at observation	56.1	63.6	60.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	67.7	68.6	71.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_n	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1009.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	16	25	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.820		
37		Total correction		-181		
38		Station pressure		29.639		
39		Tmp. 12 hours previously (t_2)		117		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.81		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	RD	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P			T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P			T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P			T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P			T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO JUL 29 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1310 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	3	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	3	4	
10	V—VV	Visibility (miles and fractions)	7	10	12	
11	ww	Present weather	03	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.1	67.4	66.0	
14		Wet bulb temperature (t') (°F.)	56.6	59.2	59.4	
15		Difference (t—t')	2.5	1.2	6.6	
16	T_sT_s	Dew point (°F.)	55	55	55	
17	U	Relative humidity (%)	86	69	68	
18		Vapor pressure (inches)	.436	.436	.436	
19		Min. thermometer at observation	56.2	54.1	64.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.2	65.4	66.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past-6-hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1014.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	10	16	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		29.78		
37		Total correction		-.187		
38		Station pressure		29.591		
39		Tmp. 12 hours previously (t_2)		71.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.96		
44		Time of filing (L. S. T.)				
45		Initials of observer	ES	RS		

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26		18	17	4	27	28		16		5	20/22	—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM _____ (Month) (Day) (Year)
TO JUL 30 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1310 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1—	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1—	1—	
10	V—VV	Visibility (miles and fractions)	12	15	20	
11	ww	Present weather	10,03	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.3	62.8	62.3	
14		Wet bulb temperature (t') (°F.)	57.0	50.0	57.4	
15		Difference (t—t')	2.3	[illegible]	4.9	
16	T_sT_s	Dew point (°F.)	55	55	50.	
17	U	Relative humidity (%)	81	75	74	
18		Vapor pressure (inches)	.436	.436	.420	
19		Min. thermometer at observation	57.3	58.6	61.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	66.1	63.4	66.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	5	11	18	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.952		
37		Total correction		.183		
38		Station pressure		29.770		
39		Tmp. 12 hours previously (t_2)		4.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.94		
44		Time of filing (L. S. T.)	08	15	15	
45		Initials of observer	RCO	KS	KS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

66° @ 330 DST 75%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO JUL 31 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	3	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	3	4	
10	V—VV	Visibility (miles and fractions)	4	8	1	
11	ww	Present weather	03	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.7	60.1	58.9	
14		Wet bulb temperature (t') (°F.)	52.2	56.0	56.0	
15		Difference (t—t')	1.5	4.1	2.9	
16	T_sT_s	Dew point (°F.)	51	53	54	
17	U	Relative humidity (%)	90	78	84	
18		Vapor pressure (inches)	.376	.405	.420	
19		Min. thermometer at observation	52.6	53.0	56.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.3	60.1	60.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	6	10	18	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.041		
37		Total correction		.152		
38		Station pressure		29.889		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.83		
44		Time of filing (L. S. T.)				
45		Initials of observer	JG	[illegible]	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level
(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) (Day) (Year)
TO AUG 6 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	2	2	
8	$h_c b_c$	Ceiling				
9	N	Total amount of all clouds	10	2	2	
10	V—VV	Visibility (miles and fractions)	7	8	20	
11	ww	Present weatber	03	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.5	62.5	57.5	
14		Wet bulb temperature (t') (°F.)	55.0	59.0	55.5	
15		Difference (t—t')	1.5	3.6	2.0	
16	T_sT_s	Dew point (°F.)	54	54	53	
17	U	Relative humidity (%)	91	80	79	
18		Vapor pressure (inches)	.420	.420	.405	
19		Min. thermometer at observation	52.1	56.0	55.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.6	62.5	62.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past 6 hours	0	0		
26	PPP	Sea-level pressure (mbs.)		1015.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	W	W	
32	F	Wind velocity (m. p. h.)	8	10	16	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading*		29.98		
37		Total correction		-.14		
38		Station pressure		29.16		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)		22.99		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)				
44		Time of filing (L. S. T.)				
45		Initials of observer	KOS	KOS	KOS	

CONSTANT PRESSURE SURFACE COMPUTATIONS
Height of 850-mb. surface above sea level
(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)
(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers				2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		8		10		23	24	25		29			30		33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) AUG (Day) 2 (Year) 1948

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	07[illegible] LST	1[illegible] LST	16[illegible] LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9	9	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9	9	
10	V—VV	Visibility (miles and fractions)	2	8	15	
11	ww	Present weather	08/51	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.1	57.7	61.4	
14		Wet hulb temperature (t') (°F.)	52.8	54.7	55.0	
15		Difference (t—t')	0.3	3.0	2.4	
16	T_sT_s	Dew point (°F.)	52.1	52.1	53	
17	U	Relative humidity (%)	98	82	76	
18		Vapor pressure (inches)	.2105	.3270	.2105	
19		Min. thermometer at observation	52.6	52.7	57.7	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.2	58.0	59.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0600	0730	—	
25	RR	Total precipitation past 6 hours	T	T	0	
26	PPP	Sea-level pressure (mbs.)		1014.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	7	11	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		29.964		
37		Total correction		-.184		
38		Station pressure		29.780		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47.7		
41		Sum (t_2 +)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.95		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— 9	0600	0730	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

— 0530 — 0730	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO _____ (Month) AUG (Day) 3 (Year) 1948

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	8	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	8	
10	V—VV	Visibility (miles and fractions)	3	10	12	
11	ww	Present weather	08 03	03	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.0	57.1	55.8	
14		Wet bulb temperature (t') (°F.)	52.1	54.0	53.0	
15		Difference (t—t')	.9	3.1	2.8	
16	T_sT_s	Dew point (°F.)	51	52	53-4	
17	U	Relative humidity (%)	94	82	82	
18		Vapor pressure (inches)	.276	.390	.405	
19		Min. thermometer at observation	53.0	53.0	56.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	53 (12)	(24)		
21		Max. thermometer at observation	57.4	57.6	57.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0650	—	—	
25	RR	Total precipitation ~~past 6 hours~~	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	SW	
32	F	Wind velocity (m. p. h.)	9	13	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		29.966		
37		Total correction		-158		
38		Station pressure		29.772		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.94		
44		Time of filing (L. S. T.)				
45		Initials of observer	RS	RS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— 9	0620	0625	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

= 0600 - 0730	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Aug. 5 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0716 LST	1216 LST	1616 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	1	
10	V—VV	Visibility (miles and fractions)	9	7	10	
11	ww	Present weather	05,03	03	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.6	56.6	57.6	
14		Wet bulb temperature (t') (°F.)	52.3	54.1	55.0	
15		Difference (t—t')	2.3	2.5	2.6	
16	T_sT_s	Dew point (°F.)	52.5	52.3	53	
17	U	Relative humidity (%)	92	86	85	
18		Vapor pressure (inches)	.390	.390	.405	
19		Min. thermometer at observation	53.2	52.7	54.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.3	56.6	60.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	8	9	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		28.0		
36		Observed barometer reading		29.600		
37		Total correction		−.188		
38		Station pressure		29.812		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	F.S.	KM	KMS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

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☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →		2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) AUG. (Day) 5 (Year) 1948

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1–	1–	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1–	1–	
10	V—VV	Visibility (miles and fractions)	4	7	8	
11	ww	Present weather				
12	W	Past weather	05,03	00	00	
13	TT	Dry bulb temperature (t) (°F.)	55.4	63.5	62.6	
14		Wet bulb temperature (t′) (°F.)	54.0	57.1	57.2	
15		Difference (t—t′)	1.4	5.4	5.4	
16	T_dT_d	Dew point (°F.)	53	53	53	
17	U	Relative humidity (%)	92	72	72	
18		Vapor pressure (inches)				
19		Min. thermometer at observation	53.8	55.0	60.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.9	63.0	63.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	–	–	–	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	5	12	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.959		
37		Total correction		[illegible]		
38		Station pressure		29.967		
39		Tmp. 12 hours previously (t_2)		57		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)	–	29.94		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Haze DNA – 1000 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)
TO _____ (Month) _____ (Day) _____ (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	1-	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	2	1-	4	
10	V—VV	Visibility (miles and fractions)	4	5	12	
11	ww	Present weather	[illegible]	17 05 01	01	
12	W_a	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.5	61.2	60.1	
14		Wet bulb temperature (t′) (°F.)	54.0	57.0	57.0	
15		Difference (t—t′)	1.5	4.2	3.1	
16	T_dT_d	Dew point (°F.)	53	54	55	
17	U	Relative humidity (%)	91	78	83	
18		Vapor pressure (inches)	.425	.430	.436	
19		Min. thermometer at observation	[illegible]	55.0	60.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	[illegible]	63.6	62.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1012.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	7	13	19	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		29.920		
37		Total correction		-.188		
38		Station pressure		29.732		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.90		
44		Time of filing (L. S. T.)				
45		Initials of observer		KOS	3.5	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HAK DR 4 — 1500	60
☐ Notes continued on reverse side	

	0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*		*	*	*	61
#		#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO _____ (Month) AUG (Day) 7 (Year) 1948

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	x	0	0	
4	C_H	Clouds, high (type and direction)	x	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1.0	1	8	
8	h_ch_c	Ceiling			?	
9	N	Total amount of all clouds	10	1	8	
10	V—VV	Visibility (miles and fractions)	7	10	15	
11	ww	Present weather	03	01	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.9	60.0	56.3	
14		Wet bulb temperature (t′) (°F.)	52.9	56.0	53.2	
15		Difference (t—t′)	2.0	4.0	3.1	
16	T_sT_s	Dew point (°F.)	51	53+1	51-2	
17	U	Relative humidity (%)	88	78	82	
18		Vapor pressure (inches)	.376	.405	.376	
19		Min. thermometer at observation	53.0	54.2	55.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.0	60.1	60.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	8	17	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		25.5		
36		Observed barometer reading		29.938		
37		Total correction		-.181		
38		Station pressure		29.757		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		4.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.73		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	ES	ES	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
ċ	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P s_p s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P s_p s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO Aug. 8, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1510 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amonnt of lowest	10	8	9	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	8	9	
10	V—VV	Visibility (miles and fractions)	10	12	15	
11	ww	Present weather	03	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.4	60.0	58.1	
14		Wet bulb temperature (t′) (°F.)	54.1	55.2	54.7	
15		Difference (t—t′)	1.3	4.8	3.4	
16	T_sT_s	Dew point (°F.)	53	52	53	
17	U	Relative humidity (%)	92	75	80	
18		Vapor pressure (inches)	.405	.370	.390	
19		Min. thermometer at observation	53.2	55.1	57.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.1	60.0	60.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	11	13	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		29.90		
36		Observed barometer reading		30.01		
37		Total correction		-.175		
38		Station pressure		29.833		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		57.1		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.00		
44		Time of filing (L. S. T.)				
45		Initials of observer	ES	ES	ES	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO AUG. 9 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1310 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 SW	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	N	W	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9	2	
10	V—VV	Visibility (miles and fractions)	3	8	10	
11	ww	Present weather	17 05,03	03,05,17	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.1	61.9	60.6	
14		Wet bulb temperature (t') (°F.)	54.0	57.0	56.7	
15		Difference (t—t')	1.1	4.9	3.9	
16	T_sT_s	Dew point (°F.)	54	54	54	
17	U	Relative humidity (%)	97	75	79%	
18		Vapor pressure (inches)	.420	.420	.420	
19		Min. thermometer at observation	53.0	54.7	57.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.2	62.0	62.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—			
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	WSW	
32	F	Wind velocity (m. p. h.)	8	11	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.030		
37		Total correction		-.182		
38		Station pressure		29.848		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS			

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H & K DNA 1300 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO AUG. 10, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ___th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	20	
10	V—VV	Visibility (miles and fractions)	3	7	20	
11	ww	Present weather	17 06.02	03	21	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.9	58.6	60.0	
14		Wet bulb temperature (t') (°F.)	53.8	55.0	56.0	
15		Difference (t—t')	1.1	3.6	4.0	
16	T_sT_s	Dew point (°F.)	53	52	53	
17	U	Relative humidity (%)	93	80	78	
18		Vapor pressure (inches)	.405	.390	.405	
19		Min. thermometer at observation			57.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	54.0 (12)	54.0 (24)		
21		Max. thermometer at observation	61.0	58.6	60.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	W	W	
32	F	Wind velocity (m. p. h.)	6	8	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.070		
37		Total correction		-184		
38		Station pressure		29.886		
39		Tmp. 12 hours previously (t_2)		717		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.016		
44		Time of filing (L. S. T.)				
45		Initials of observer	KGG	KOS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

= 0500-1030 60

Discontinued DNA-11 Oct

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO Aug. 11 1968 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, _th Mer. Time	07/0 LST	13/3 LST	19/8 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	2	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	2	2	
10	V—VV	Visibility (miles and fractions)	8	8	15	
11	ww	Present weather	03	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.5	61.0	59.3	
14		Wet bulb temperature (t′) (°F.)	53.9	52.0	53.8	
15		Difference (t—t′)	1.6	5.0	3.5	
16	T_sT_s	Dew point (°F.)	53	52	53	
17	U	Relative humidity (%)	90	73	81	
18		Vapor pressure (inches)	.405	.370	.405	
19		Min. thermometer at observation	53.1	55.2	58.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.1	61.0	61.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	W	W	
32	F	Wind velocity (m. p. h.)	5	13	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.025		
37		Total correction		[illegible]		
38		Station pressure		[illegible]		
39		Tmp. 12 hours previously (t_2)		47.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.01		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	KJG	PS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM _____ (Month) _____ (Day) _____ (Year)
TO _____ (Month) _____ (Day) _____ (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	[illegible] LST	[illegible] LST	[illegible] LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	X	0	X	
4	C_H	Clouds, high (type and direction)	X	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	6	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	6	10	
10	V—VV	Visibility (miles and fractions)	3	7	10	
11	ww	Present weather	[illegible]	02	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	[illegible]	58.0	55.2	
14		Wet bulb temperature (t′) (°F.)	[illegible]	55.5	53.4	
15		Difference (t—t′)	1.3	2.5	1.8	
16	T_sT_s	Dew point (°F.)	53	54	52	
17	U	Relative humidity (%)	92	85	90	
18		Vapor pressure (inches)	.290	.420	.390	
19		Min. thermometer at observation	[illegible]	54.5	54.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.0	59.1	58.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	W	
32	F	Wind velocity (m. p. h.)	4	13	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.025		
37		Total correction		−.185		
38		Station pressure		29.840		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.01		
44		Time of filing (L. S. T.)				
45		Initials of observer	KAJ	KAJ		

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

[illegible] DNA — 1130	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO _____ (Month) Aug (Day) 13 (Year) 1948

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1	1	
10	V—VV	Visibility (miles and fractions)	7	8	12	
11	ww	Present weather	03	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.1	58.5	62.0	
14		Wet bulb temperature (t') (°F.)	54.7	56.0	58.8	
15		Difference (t—t')	2.4	2.5	3.2	
16	T_sT_s	Dew point (°F.)	53	54	57	
17	U	Relative humidity (%)	86	86	88	
18		Vapor pressure (inches)	.405	.420	.468	
19		Min. thermometer at observation	53.6	57.1	58.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.7	60.1	64.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	W	W	
32	F	Wind velocity (m. p. h.)	5	12	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.200		
37		Total correction		-.185		
38		Station pressure		29.815		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		4.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D	D	F	W	N	P P P			T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D	D	F	W	N	P P P			T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D	D	F	W	N	P P P			T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D	D	F	W	N	P P P			T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO AUG 24 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	07/8 LST	12/2 LST	18/8 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	4	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	4	4	
10	V—VV	Visibility (miles and fractions)	8	15	20	
11	ww	Present weather	01	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	58.1	60.1	62.4	
14		Wet bulb temperature (t') (°F.)	55.3	57.0	58.1	
15		Difference (t—t')	2.8	3.1	4.3	
16	T_sT_s	Dew point (°F.)	53	55	55	
17	U	Relative humidity (%)	83	83	78	
18		Vapor pressure (inches)	.405	.436	.436	
19		Min. thermometer at observation	54.9	58.1	59.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.2	66.2	62.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	NSW	W	
32	F	Wind velocity (m. p. h.)	9	13	19	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		72.0		
36		Observed barometer reading		30.000		
37		Total correction		-185		
38		Station pressure		29.815		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)				
45		Initials of observer	F S			

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_p	S_p	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_p	S_p	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_p	S_p	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_p	S_p	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Aug. 15 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SNW	SNW	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	NW	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	1	1	
10	V—VV	Visibility (miles and fractions)	8	20	25	
11	ww	Present weather				
12	W	Past weather	0-0	0-0	0-0	
13	TT	Dry bulb temperature (t) (°F.)	60.0	63.5	63.0	
14		Wet bulb temperature (t') (°F.)	55.9	58.0	58.5	
15		Difference (t—t')	4.1	5.5	4.5	
16	T_sT_s	Dew point (°F.)	53	54	56	
17	U	Relative humidity (%)	77	72	76	
18		Vapor pressure (inches)	.405	.420	.452	
19		Min. thermometer at observation	53.8	59.4	63.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.0	64.9	66.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1017.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	NW	
32	F	Wind velocity (m. p. h.)	5	12	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.069		
37		Total correction		-.188		
38		Station pressure		29.881		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.05		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _tb Mer. Time	07/0 LST	13/0 LST	19/0 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	3	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	3	1	1	
10	V—VV	Visibility (miles and fractions)	10	20	25	
11	ww	Present weather	01	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.3	62.9	61.3	
14		Wet bulb temperature (t') (°F.)	54.3	58.2	58.1	
15		Difference (t—t')	2.0	4.7	3.2	
16	T_sT_s	Dew point (°F.)	53	55	56	
17	U	Relative humidity (%)	89	76	83	
18		Vapor pressure (inches)	.405	.436	.452	
19		Min. thermometer at observation	53.7	56.3	61.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.7	62.9	64.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6~~ hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	7	16	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.099		
37		Total correction		-.184		
38		Station pressure		29.915		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)	06	08	20	
45		Initials of observer	RO	RS	RS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO _____ (Month) Aug. (Day) 17 (Year) 1948

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	2	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	2	1	
10	V—VV	Visibility (miles and fractions)	0	1.5	2.0	
11	ww	Present weather	02	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.8	65.4	65.2	
14		Wet bulb temperature (t') (°F.)	58.0	61.0	61.4	
15		Difference (t—t')	1.8	4.4	3.8	
16	T_sT_s	Dew point (°F.)	57°	57°	57.2°	
17	U	Relative humidity (%)	90	78	81	
18		Vapor pressure (inches)	.468	.426	.503	
19		Min. thermometer at observation	56.6	57.8	63.7	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.3	65.6	67.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		916.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	5	16	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.0		
36		Observed barometer reading		29.145		
37		Total correction		[illegible]		
38		Station pressure		[illegible]		
39		Tmp. 12 hours previously (t_2)		[illegible]		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer			FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—TS	20.30	23.30	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →				2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM _____ (Month) _____ (Day) _____ (Year)
TO 4 (Month) 18 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1-	1-	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1-	1-	
10	V—VV	Visibility (miles and fractions)	6	20	25	
11	ww	Present weather 05	63	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.8	66.0	60.5	
14		Wet bulb temperature (t') (°F.)	56.0	60.0	60.5	
15		Difference (t—t')	.8	6.0	4.0	
16	T_sT_s	Dew point (°F.)	55	56	52	
17	U	Relative humidity (%)	94	71	70	
18		Vapor pressure (inches)	.436	.452	.486	
19		Min. thermometer at observation	55.2	56.1	60.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.2	66.2	67.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	2330	—	—	
25	RR	Total precipitation past 6 hours	T.	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	6	15	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.039		
37		Total correction		-.184		
38		Station pressure		29.855		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	R.S.	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
H	2630	2330	59
H DNA — 0930			
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO 9 5 12 1 1 9 4 8 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	8/10 LST	12/10 LST	16/10 LST	LST
2	C_L	Clouds, low (type and direction)	SW	0	0	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	0	0	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	0	0	
10	V—VV	Visibility (miles and fractions)	12	3	25	
11	ww	Present weather	03	17,05,00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	[illegible]	71.0	71.0	
14		Wet bulb temperature (t′) (°F.)	57.4	62.0	61.2	
15		Difference (t—t′)	9.8	9.0	9.8	
16	T_dT_d	Dew point (°F.)	[illegible]	57	55	
17	U	Relative humidity (%)	[illegible]	60	57	
18		Vapor pressure (inches)	[illegible]	.468	.436	
19		Min. thermometer at observation	57.4	59.5	69.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.2	72.5	72.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1017.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	[illegible]	W	W	
32	F	Wind velocity (m. p. h.)	[illegible]	6	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.060		
37		Total correction		.187		
38		Station pressure		29.873		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)				
44		Time of filing (L. S. T.)		30.04		
45		Initials of observer	JS	1495	1295	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K 1000 — 1430 60
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Nov 20, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	LST	LST	LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)		0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)				
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	8	7	15	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	69.0	71.9	68.0	
14		Wet bulb temperature (t′) (°F.)	59.0	63.0	61.0	
15		Difference (t—t′)	10.0	8.9	7.0	
16	T_sT_s	Dew point (°F.)	54	58	57	
17	U	Relative humidity (%)	78	61	67	
18		Vapor pressure (inches)	.432	.486	.468	
19		Min. thermometer at observation	53.4	62.8	66.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	69.0	74.0	77.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction		W	W	
32	F	Wind velocity (m. p. h.)		9	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.950		
37		Total correction		.155		
38		Station pressure		29.765		
39		Tmp. 12 hours previously (t_2)		77		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.94		
44		Time of filing (L. S. T.)				
45		Initials of observer	RDS	KOS	KOS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO AUG 27 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, ..th Mer. Time	LST	LST	LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	10	
10	V—VV	Visibility (miles and fractions)	15	12	7	
11	ww	Present weather	03	03	52, 08	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.0	59.0	60.0	
14		Wet bulb temperature (t′) (°F.)	55.5	55.2	57.9	
15		Difference (t—t′)	2.5	3.8	2.1	
16	T_sT_s	Dew point (°F.)	54.3	52.3	57	
17	U	Relative humidity (%)	94	78	88	
18		Vapor pressure (inches)	.480	.390	.468	
19		Min. thermometer at observation	55.0	56.0	57.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.0	59.0	61.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	1530	
25	RR	Total precipitation past 6 hours	0	0	T.	
26	PPP	Sea-level pressure (mbs.)		1013.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	W	
32	F	Wind velocity (m. p. h.)	5	10	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.950		
37		Total correction		-.182		
38		Station pressure		29.768		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.94		
44		Time of filing (L. S. T.)				
45		Initials of observer		KOS	KOS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—9	1530	Cont'd	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0912 LST	1510 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	5SW	5W	5W	
3	C_M	Clouds, middle (type and direction)	3N	2N	7W	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	6	6	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	6	6	
10	V—VV	Visibility (miles and fractions)	12	10	25	
11	ww	Present weather	02	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	62.3	66.6	65.5	
14		Wet bulb temperature (t′) (°F.)	59.0	60.1	61.0	
15		Difference (t—t′)	3.3	6.5	4.5	
16	T_sT_s	Dew point (°F.)	57	56	59	
17	U	Relative humidity (%)	82	68	78	
18		Vapor pressure (inches)	.452	.468	.486	
19		Min. thermometer at observation	57.5	61.5	60.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.5	66.6	66.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0802	—	—	
25	RR	Total precipitation past 6 hours	.02	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_s	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	8	12	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.94		
37		Total correction		.18		
38		Station pressure		29.66		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.95		
44		Time of filing (L. S. T.)				
45		Initials of observer	KDS	KDS	KDS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— 9	2000	0530	59
— 9	2300	CONT.	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO AUG 23 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest			—	
7	N_h	Clouds, amount of lowest	9	1—	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	1—	1—	
10	V—VV	Visibility (miles and fractions)	2	12	2+	
11	ww	Present weather	02	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	58.0	60.6	61.2	
14		Wet bulb temperature (t′) (°F.)	56.0	57.0	57.5	
15		Difference (t—t′)	2.0	3.6	3.7	
16	T_sT_s	Dew point (°F.)	55.3	55.4	55.1	
17	U	Relative humidity (%)	88	81	78	
18		Vapor pressure (inches)	.436	.486	.431	
19		Min. thermometer at observation	55.0	57.6	59.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.5	66.7	62.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0230	—	—	
25	RR	Total precipitation ~~past 6 hours~~	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	6	12	19	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.120		
37		Total correction		-.080		
38		Station pressure		29.940		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.11		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— 1	CONT.	0430	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Aug. 24 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1	1	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	0	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1—	1—	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1—	1—	0	
10	V—VV	Visibility (miles and fractions)	3	8	15	
11	ww	Present weather 17,05	,00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.9	70.3	66.6	
14		Wet bulb temperature (t′) (°F.)	55.1	61.4	60.0	
15		Difference (t—t′)	1.8	8.9	6.6	
16	T_sT_s	Dew point (°F.)	54.1	56	56	
17	U	Relative humidity (%)	90	60	50	
18		Vapor pressure (inches)	.420	.452	.452	
19		Min. thermometer at observation	54.3	56.4	65.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.4	72.0	71.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1017.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4		16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.060		
37		Total correction		—.182		
38		Station pressure		29.878		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		7.17		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.05		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	DEB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HFK DNA — 1040 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Aug. 25, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1219 LST	1619 LST	LST
2	C_L	Clouds, low (type and direction)	5/W	5/W	5/W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest	—			
7	N_h	Clouds, amount of lowest	9+	1—	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	1—	1—	
10	V—VV	Visibility (miles and fractions)	6	10	15	
11	ww	Present weather	03,05,17	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.6	62.0	62.1	
14		Wet bulb temperature (t′) (°F.)	54.4	58.0	58.4	
15		Difference (t—t′)	1.2	4.0	3.7	
16	T_sT_s	Dew point (°F.)	54	55.3	56	
17	U	Relative humidity (%)	90	78	80	
18		Vapor pressure (inches)	.420	.436	.452	
19		Min. thermometer at observation	54.4	55.5	57.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	66.6	63.0	63.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1012.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	9	14	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.900		
37		Total correction		-.182		
38		Station pressure		29.718		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.89		
44		Time of filing (L. S. T.)	26.			
45		Initials of observer		FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HVK DNA - 1146 60

Lo 70 at 72 out 1230 p 2 ydn

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →		2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Aug. 26 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	SW	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	SW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	6	9	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	6	9	
10	V—VV	Visibility (miles and fractions)	7	8	12	
11	ww	Present weather	03	02	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.5	61.6	59.2	
14		Wet bulb temperature (t′) (°F.)	55.9	57.1	57.1	
15		Difference (t—t′)	0.6	4.5	2.1	
16	T_sT_s	Dew point (°F.)	56	54	56	
17	U	Relative humidity (%)	96	76	89	
18		Vapor pressure (inches)	.452	.420	.452	
19		Min. thermometer at observation	54.8	55.0	58.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.0	61.6	63.1	
22	T_xT_x	Higbest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1012.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	W	SW	
32	F	Wind velocity (m. p. h.)	6	11	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.926		
37		Total correction		-.185		
38		Station pressure		29.741		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		+.7		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.91		
44		Time of filing (L. S. T.)				
45		Initials of observer	RJS	RJS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

6.3.0 @ 11:00 DST - 18% VSTD	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO Dec. 27 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	27/8 LST	12/1 LST	16/8 LST	LST
2	C_L	Clouds, low (type and direction)	5W	0	D	
3	C_M	Clouds, middle (type and direction)	0	0	8 ×	
4	C_H	Clouds, high (type and direction)	0.	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W		×	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1 –	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1 –	0	1 –	
10	V—VV	Visibility (miles and fractions)	8	8	20	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	58.3	67.1	66.5	
14		Wet bulb temperature (t′) (°F.)	55.9	60.0	60.0	
15		Difference (t—t′)	2.4	7.1	6.5	
16	T_sT_s	Dew point (°F.)	54+3	55	56	
17	U	Relative humidity (%)	86	66	68	
18		Vapor pressure (inches)	.420	.436	.452	
19		Min. thermometer at observation	54.7	58.3	65.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.2	69.0	72.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	10	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.0		
36		Observed barometer reading		29.986		
37		Total correction		–.177		
38		Station pressure		29.809		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	KOS		

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

6 3/ @ 2300 ST – 80 % VD 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO AUG 28 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, 75th Mer. Time	0710 LST	1310 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1	1N	1W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	N	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1—			
8	h_ch_c	Ceiling	1—	1—	1—	
9	N	Total amount of all clouds				
10	V—VV	Visibility (miles and fractions)	4	15	20	
11	ww	Present weather	00,05,41	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	62.5	70.0	71.5	
14		Wet hulb temperature (t′) (°F.)	55.3	61.5	61.5	
15		Difference (t—t′)	7.2	8.5	10.0	
16	T_sT_s	Dew point (°F.)	53.4	56	55	
17	U	Relative humidity (%)	76	62	57	
18		Vapor pressure (inches)	.452	.452	.436	
19		Min. thermometer at observation	56.2	62.8	69.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	66.5	74.2	74.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	1	4	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.022		
37		Total correction		-.150		
38		Station pressure		29.872		
39		Tmp. 12 hours previously (t_2)		77		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.01		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HVR DNA— 1030 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO [illegible] (Month) [illegible] (Day) [illegible] (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, [illegible]th Mer. Time	[illegible] LST	[illegible] LST	[illegible] LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1W	1W	1W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	4	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	4	1	
10	V—VV	Visibility (miles and fractions)	9	12	20	
11	ww	Present weather	01	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	68.1	67.8	76.0	
14		Wet bulb temperature (t′) (°F.)	60.3	61.0	61.0	
15		Difference (t—t′)	7.8	6.8	9.0	
16	T_sT_s	Dew point (°F.)	55	57	55	
17	U	Relative humidity (%)	64	68	60	
18		Vapor pressure (inches)	.436	.468	.436	
19		Min. thermometer at observation	56.9	67.8	67.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	71.8	73.0	70.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhb	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	17	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.006		
37		Total correction		—.182		
38		Station pressure		29.824		
39		Tmp. 12 hours previously (t_2)		71.7		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P	s_p s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Aug. 30, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 NW	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	1 W	6 SW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	1		
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	1	7	
10	V—VV	Visibility (miles and fractions)	6	8	20	
11	ww	Present weather	02	01	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	58.0	60.1	65.0	
14		Wet bulb temperature (t′) (°F.)	56.4	60.1	60.0	
15		Difference (t—t′)	3.6	0.0	5.0	
16	T_sT_s	Dew point (°F.)	54	56	57	
17	U	Relative humidity (%)	85	71	74	
18		Vapor pressure (inches)	.420	.452	.468	
19		Min. thermometer at observation	56.5	58.0	64.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	70.3	66.1	68.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	W	W	
32	F	Wind velocity (m. p. h.)	6	10	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.088		
37		Total correction		.195		
38		Station pressure		29.854		
39		Tmp. 12 hours previously (t_2)		77		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	JE	KDS	RJ	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H-DNA-1100	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM: (Month) (Day) (Year)

TO: 12 31 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	5 X	0	0	
3	C_M	Clouds, middle (type and direction)	4 X	0	0	
4	C_H	Clouds, high (type and direction)	—	0	1	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X			
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	0	1	
10	V—VV	Visibility (miles and fractions)	5	7	10	
11	ww	Present weather	01, 17	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	60.8	70.1	[illegible]	
14		Wet bulb temperature (t′) (°F.)	56.9	61.5	[illegible]	
15		Difference (t—t′)	3.9	8.6	5.4	
16	T_sT_s	Dew point (°F.)	54	56	56	
17	U	Relative humidity (%)	78	61	73	
18		Vapor pressure (inches)	.420	.453	[illegible]	
19		Min. thermometer at observation	56.0	60.5	64.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.0	71.0	70.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1012.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	2	10	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		[illegible]		
37		Total correction		.182		
38		Station pressure		[illegible]		
39		Tmp. 12 hours previously (t_2)		77		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.97		
44		Time of filing (L. S. T.)				
45		Initials of observer	LE	RH	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Sept. 1, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	LST	1210 LST	LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1W	0	4W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	—	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest		0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	0	1	
10	V—VV	Visibility (miles and fractions)	6	10	15	
11	ww	Present weather	05,17,02	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	58.6	68.6	64.5	
14		Wet bulb temperature (t′) (°F.)	54.9	60.1	58.2	
15		Difference (t—t′)	3.3	8.5	6.3	
16	T_sT_s	Dew point (°F.)	52	55	54	
17	U	Relative humidity (%)	81	63	69	
18		Vapor pressure (inches)	.390	.436	.420	
19		Min. thermometer at observation	54.3	58.2	64.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.1	71.2	68.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation		—		
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	W	W	
32	F	Wind velocity (m. p. h.)	2	12	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.036		
37		Total correction		-.181		
38		Station pressure		29.855		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		4.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.03		
44		Time of filing (L. S. T.)				
45		Initials of observer		FS	KAS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H & K DNA — 1145 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION [illegible]

CITY OFFICE

FROM (Month) (Day) (Year)

TO Sept. 2, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1619 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	8	8	12	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.2	67.0	71.2	
14		Wet bulb temperature (t′) (°F.)	55.8	59.8	61.0	
15		Difference (t—t′)	1.4	7.2	10.2	
16	T_sT_s	Dew point (°F.)	55	55	54	
17	U	Relative humidity (%)	92	66	55	
18		Vapor pressure (inches)	.436	.436	.420	
19		Min. thermometer at observation	54.6	57.2	66.7	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	64.6	67.0	74.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SW	W	
32	F	Wind velocity (m. p. h.)	2	11	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.068		
37		Total correction		—.181		
38		Station pressure		29.887		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.06		
44		Time of filing (L. S. T.)				
45		Initials of observer	KS	KS	KS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended
☐ Notes continued on reverse side		

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MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

H & K DAM — 0755

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.
*	*	*	*
#	#	#	#

61

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

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Line numbers →		2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10	—	23	24	25	—	29		30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO SEPT. 3, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 12 th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	3SW	0	
4	C_H	Clouds, high (type and direction)	0	0	8SW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	SW	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	1	2	
10	V—VV	Visibility (miles and fractions)	3	12	8	
11	ww	Present weather	12.00	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	63.0	67.6	67.1	
14		Wet bulb temperature (t′) (°F.)	57.2	60.1	59.2	
15		Difference (t—t′)	5.8	7.5	7.9	
16	T_sT_s	Dew point (°F.)	53	55	54	
17	U	Relative humidity (%)	70	65	63	
18		Vapor pressure (inches)	.425	.436	.420	
19		Min. thermometer at observation	58.0	63.0	65.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	72.1	77.9	69.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1012.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	W	W	
32	F	Wind velocity (m. p. h.)	0	12	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		29.919		
37		Total correction		-.184		
38		Station pressure		29.735		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.90		
44		Time of filing (L. S. T.)				
45		Initials of observer	KOS	KOS	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

K-DNA — 1130 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16	5	20/22			—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM _____ (Month) (Day) (Year)
TO SEPT. 2 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1—	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1—	1—	
10	V—VV	Visibility (miles and fractions)	11	10	12	
11	ww	Present weather	03	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.5	63.0	60.1	
14		Wet bulb temperature (t′) (°F.)	52.1	57.0	55.2	
15		Difference (t—t′)	1.4	6.0	4.9	
16	T_sT_s	Dew point (°F.)	51	53.2	52	
17	U	Relative humidity (%)	91	69	74	
18		Vapor pressure (inches)	.376	.405	.390	
19		Min. thermometer at observation	52.9	53.5	58.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	66.5	64.2	64.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation		—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1010.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	5	11	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.856		
37		Total correction		-.184		
38		Station pressure		29.672		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.84		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO 5 (Month) 5 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	5W	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	0	0	
10	V—VV	Visibility (miles and fractions)	4	4	8	
11	ww	Present weather	33,05,17	000,5,17	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	61.1	60.6	60.7	
14		Wet bulb temperature (t′) (°F.)	55.0	55.4	56.0	
15		Difference (t—t′)	6.1	5.2	4.2	
16	T_sT_s	Dew point (°F.)	54	52	53	
17	U	Relative humidity (%)	78	73	76	
18		Vapor pressure (inches)	.370	.390	.405	
19		Min. thermometer at observation	58.8	58.8	58.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.1	62.2	62.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.2		
27	n	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	3	12	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		29.932		
37		Total correction		-.184		
38		Station pressure		29.748		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.92		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HYK DNA — 1420 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Sept. 6, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1310 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	5/W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1-	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1-	3	
10	V—VV	Visibility (miles and fractions)	1	3	8	
11	ww	Present weather	03	08,05	05,10	10,09,02
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.0	59.0	58.8	
14		Wet bulb temperature (t′) (°F.)	51.0	55.5	55.6	
15		Difference (t—t′)	1.0	3.5	3.2	
16	T_sT_s	Dew point (°F.)	53	53	53	
17	U	Relative humidity (%)	91	80	82	
18		Vapor pressure (inches)	.405	.405	.405	
19		Min. thermometer at observation	52.0	55.0	57.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.5	59.0	59.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past 6 hours	0	0		
26	PPP	Sea-level pressure (mbs.)		1012.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	NW	W	
32	F	Wind velocity (m. p. h.)	0	12	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		29.910		
37		Total correction		-.181		
38		Station pressure		29.729		
39		Tmp. 12 hours previously (t_2)		49		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.90		
44		Time of filing (L. S. T.)				
45		Initials of observer	MOS	EWS	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— 9	2130	Cont'd	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

= 0530 — 1050 — 60

H DNA — 1410

K DNA — 1820

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10	—	23	24	25	—	29		30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO 5 Sept. 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0730 LST	1330 LST	1930 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1	5	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1	5	
10	V—VV	Visibility (miles and fractions)	1	5	8	
11	ww	Present weather	17,08,05 63	17,09,05,0	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.5	58.1	59.0	
14		Wet bulb temperature (t′) (°F.)	53.0	56.0	56.2	
15		Difference (t—t′)	0.5	2.1	2.8	
16	T_sT_s	Dew point (°F.)	53	55	54	
17	U	Relative humidity (%)	97	88	85	
18		Vapor pressure (inches)	.405	.436	.420	
19		Min. thermometer at observation	53.5	53.5	58.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.5	63.0	60.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	—	—		
24	R_t	Time of precipitation	0500	—	0	
25	RR	Total precipitation past 6 hours	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1009.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	W	W	
32	F	Wind velocity (m. p. h.)	0	17	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.5		
36		Observed barometer reading		29.808		
37		Total correction		177		
38		Station pressure		29.631		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.80		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—S	CONT'D	0500	59
—S	2330	CONT'D	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

= 0600 - 1150 — 60

HX DNA - 1006

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO SEPT. 7 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0710 LST	1310 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1	4	
10	V—VV	Visibility (miles and fractions)	1	7	15	
11	ww	Present weather 17	28,05,03	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.0	58.6	58.3	
14		Wet bulb temperature (t') (°F.)	52.5	54.5	56.6	
15		Difference (t—t')	0.5	4.1	1.7	
16	T_sT_s	Dew point (°F.)	52	51	55	
17	U	Relative humidity (%)	96	77	89	
18		Vapor pressure (inches)	.390	.376	.436	
19		Min. thermometer at observation	51.9	53.0	56.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.0	58.6	61.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0530	—	—	
25	RR	Total precipitation past 6 hours	T.	0	0	
26	PPP	Sea-level pressure (mbs.)		1009.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	W	W	
32	F	Wind velocity (m. p. h.)	0	12	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.5		
36		Observed barometer reading		29.816		
37		Total correction		-.177		
38		Station pressure		29.639		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.81		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
-9	CONTD	0530	59
☐ Notes continued on reverse side			

7TH

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

= 2230 - 0155	60
H&R 0111 - 1010	
60.0 @ 230 DST = 80%	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C T_n T_n	7	h_c	h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C T_n T_n	7	h_c	h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P s_p s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C T_x T_x	7	h_c	h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C T_x T_x	7	h_c	h_c	V V	8	R_s	R_t	R R	9	h h h	a_3	0	S_P S_P s_p s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	X	0	0	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)		—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	0	0	
10	V—VV	Visibility (miles and fractions)	1/4	8	15	
11	ww	Present weather	46	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.5	69.1	61.2	
14		Wet bulb temperature (t') (°F.)	53.1	60.0	56.5	
15		Difference (t—t')	0.4	9.0	4.6	
16	T_sT_s	Dew point (°F.)	52	54	53	
17	U	Relative humidity (%)	97	59	75	
18		Vapor pressure (inches)	.390	.420	.405	
19		Min. thermometer at observation	51.7	52.2	61.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.0	69.6	69.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours		0	0	
26	PPP	Sea-level pressure (mbs.)		1009.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	W	W	
32	F	Wind velocity (m. p. h.)	0	5	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		29.830		
37		Total correction		.179		
38		Station pressure		29.651		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.8		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

= DNA — 0830 —

= 0830 — 1110 —

67.6° @ 1200 DST = 72%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5X	5/X	5/X	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)		X	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	7	1-	1-	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	7	1-	1-	
10	V—VV	Visibility (miles and fractions)	1/2	7	15	
11	ww	Present weather	04	05	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.0	63.8	58.0	
14		Wet bulb temperature (t') (°F.)	51.8	56.9	54.8	
15		Difference (t—t')	0.2	6.9	3.2	
16	T_sT_s	Dew point (°F.)	52	52	53	
17	U	Relative humidity (%)	99	66	82	
18		Vapor pressure (inches)	.390	.390	.405	
19		Min. thermometer at observation	50.5	51.7	57.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.1	63.8	64.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1011.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	W	W	
32	F	Wind velocity (m. p. h.)	0	12	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.5		
36		Observed barometer reading		29.891		
37		Total correction		-.178		
38		Station pressure		29.713		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.88		
44		Time of filing (L. S. T.)		[illegible]	[illegible]	
45		Initials of observer	KOG	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

DNA — 0830	60
HA LE — 0830 — 1410	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM _____ (Month) (Day) (Year)
TO SEPT. 11, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	1X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	X	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1-	1-	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	2	1-	
10	V—VV	Visibility (miles and fractions)	1	10	20	
11	ww	Present weather 17, 08, 03		01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.0	60.2	59.2	
14		Wet bulb temperature (t') (°F.)	52.5	56.0	55.2	
15		Difference (t—t')	0.5	4.2	4.0	
16	T_sT_s	Dew point (°F.)	52	53	52	
17	U	Relative humidity (%)	97	77	78	
18		Vapor pressure (inches)	.390	.405	.390	
19		Min. thermometer at observation	52.0	52.6	58.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.0	60.2	63.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1014.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	W	W.	
32	F	Wind velocity (m. p. h.)	0	12	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		72.0		
36		Observed barometer reading		29.968		
37		Total correction		-.172		
38		Station pressure		29.796		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.97		
44		Time of filing (L. S. T.)				
45		Initials of observer	KS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

FK - 0520 - 1125 — 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16	5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO SEPT. 12 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120 th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	1	1	
10	V—VV	Visibility (miles and fractions)	8	12	20	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.4	61.8	60.0	
14		Wet bulb temperature (t') (°F.)	53.6	56.1	56.0	
15		Difference (t—t')	2.8	5.7	4.0	
16	T_dT_d	Dew point (°F.)	51.4	52	53	
17	U	Relative humidity (%)	84	70	78	
18		Vapor pressure (inches)	.376	.390	.405	
19		Min. thermometer at observation	50.5	56.0	57.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.2	62.9	65.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_w	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	9	12	15	
33	S_PS_P	Special phenomenon, general data	1			
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		71.5		
36		Observed barometer reading		29.942		
37		Total correction		-.170		
38		Station pressure		29.772		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.94		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16	5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO SEPT. 13 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W		—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	0	0	
8	h_ch_c	Ceiling			—	
9	N	Total amount of all clouds	1	0	0	
10	V—VV	Visibility (miles and fractions)	6	1	25	
11	ww	Present weather 17,05,01	17,05,01		00.	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.1	80.0	71.0	
14		Wet bulb temperature (t') (°F.)	51.5	60.0	60.0	
15		Difference (t—t')	.6	20.0	11.0	
16	T_sT_s	Dew point (°F.)	51	45	53	
17	U	Relative humidity (%)	96	29	52	
18		Vapor pressure (inches)	.376	.300	.390	
19		Min. thermometer at observation	50.0	52.0	69.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.9	83.0	78.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)				
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	C	W	
32	F	Wind velocity (m. p. h.)	0	0	18	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.5		
36		Observed barometer reading		29.923		
37		Total correction		.178		
38		Station pressure		29.745		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.91		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HR DNA — 1500 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16	5	20/22			—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)			W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	—	
8	h_cb_c	Ceiling				
9	N	Total amount of all clouds	0	0	1	
10	V—VV	Visibility (miles and fractions)	7	15	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	62.5	69.0	61.0	
14		Wet bulb temperature (t′) (°F.)	55.0	62.0	61.0	
15		Difference (t—t′)	6.5	7.0	5.0	
16	T_sT_s	Dew point (°F.)	51	57	58	
17	U	Relative humidity (%)	67	67	74	
18		Vapor pressure (inches)	.376	.468	.481	
19		Min. thermometer at observation	57.1	60.0	65.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	73.0	70.0	69.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	W	W	
32	F	Wind velocity (m. p. h.)	0	15	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.0		
36		Observed barometer reading		30.000		
37		Total correction		—.177		
38		Station pressure		29.823		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.99		
44		Time of filing (L. S. T.)				
45		Initials of observer	PJS	RJS	PJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM _____ (Month) _____ (Day) _____ (Year)
TO Sept. 12 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began; 120th Mer. Time	07 LST	13 LST	19 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	4 NW	4 NW	1 NW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	NW	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	5	5	3	
10	V—VV	Visibility (miles and fractions)	7	7	15	
11	ww	Present weather	01	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.1	68.2	67.0	
14		Wet bulb temperature (t') (°F.)	53.0	57.3	56.0	
15		Difference (t—t')	4.1	10.9	12.0	
16	T_sT_s	Dew point (°F.)	50	49	47	
17	U	Relative humidity (%)	76	61	47	
18		Vapor pressure (inches)	.362	.349	.324	
19		Min. thermometer at observation	53.0	52.1	64.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.1	69.0	69.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1012.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	W	W	
32	F	Wind velocity (m. p. h.)	0	8	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.90		
37		Total correction		-.18		
38		Station pressure		29.72		
39		Tmp. 12 hours previously (t_2)		71.9		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.89		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level
(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

70.0° @ 1100 PST — 62.9°F 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO SEPT. 16, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	0	0	
3	C_M	Clouds, middle (type and direction)	6 NW	7W	7W	
4	C_H	Clouds, high (type and direction)	0	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	10	10	
10	V—VV	Visibility (miles and fractions)	7	10	12	
11	ww	Present weather	02	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.5	63.1	62.1	
14		Wet bulb temperature (t′) (°F.)	55.0	55.4	57.1	
15		Difference (t—t′)	2.5	7.7	5.0	
16	T_dT_d	Dew point (°F.)	53	50	54.4	
17	U	Relative humidity (%)	85	62	74	
18		Vapor pressure (inches)	.405	.362	.420	
19		Min. thermometer at observation	53.8	57.5	60.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.5	64.0	62.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	1135	1430	
25	RR	Total precipitation ~~past 6 hours~~	0	T	T	
26	PPP	Sea-level pressure (mbs.)		1014.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	6	8	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.924		
37		Total correction		-.185		
38		Station pressure		29.779		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.95		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	[illegible]	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	1120	1135	59
—	1220	1430	
—	2360	CONT'D	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

64.0° @ 12:10 DST — 74%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM: (Month) (Day) (Year)
TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	9 s	8	8 SW	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	S	0	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9+	8	8	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	8	8	
10	V—VV	Visibility (miles and fractions)	12	10	15	
11	ww	Present weather	03, 13	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	61.3	69.0	65.6	
14		Wet bulb temperature (t′) (°F.)	57.8	60.5	60.0	
15		Difference (t—t′)	3.5	8.5	5.6	
16	T_sT_s	Dew point (°F.)	56	55	56	
17	U	Relative humidity (%)	81	62	72	
18		Vapor pressure (inches)	.452	.436	.452	
19		Min. thermometer at observation	59.3	61.0	64.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.2	70.0	69.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_s	Time of precipitation				
25	RR	Total precipitation past 6 hours	T			
26	PPP	Sea-level pressure (mbs.)		1016.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	W	SW	
32	F	Wind velocity (m. p. h.)	7	5	8	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.28		
37		Total correction		-.185		
38		Station pressure		28.43		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.01		
44		Time of filing (L. S. T.)				
45		Initials of observer		KBJ	KBJ	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level
(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ●	CONT'D	0200	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO 5 28 18 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	10/6/X	5 Sw	5 W	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	SW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	9+	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	9+	
10	V—VV	Visibility (miles and fractions)	7	8	15	
11	ww	Present weather	03.61	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.1	62.5	62.0	
14		Wet bulb temperature (t') (°F.)	58.0	59.5	58.0	
15		Difference (t—t')	1.1	3.0	4.0	
16	T_dT_d	Dew point (°F.)	57.2	57	55	
17	U	Relative humidity (%)	94	84	78	
18		Vapor pressure (inches)	.468	.468	.436	
19		Min. thermometer at observation	57.7	58.0	60.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.6	62.5	66.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0400	1030	—	
25	RR	Total precipitation ~~past 6 hours~~	.08	.01	0	
26	PPP	Sea-level pressure (mbs.)		1018.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SW	W	
32	F	Wind velocity (m. p. h.)	2	8	6	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.100		
37		Total correction		-.187		
38		Station pressure		29.913		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.08		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	RB	RB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	0400	1030	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28			16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_d	T_d	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_d	T_d	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_d	T_d	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_d	T_d	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO SEPT. 14 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5X	5W	5N	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X			
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	2	9	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	2	9	
10	V—VV	Visibility (miles and fractions)	7	7	15	
11	ww	Present weather	03	01	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	60.0	60.0	57.0	
14		Wet bulb temperature (t') (°F.)	56.5	56.5	55.1	
15		Difference (t—t')	3.5	3.5	1.9	
16	T_sT_s	Dew point (°F.)	54	54	54	
17	U	Relative humidity (%)	80	80	88	
18		Vapor pressure (inches)	.420	.420	.420	
19		Min. thermometer at observation	55.1	59.5	56.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.0	65.0	61.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6 hours~~	—	—	—	
26	PPP	Sea-level pressure (mbs.)		1015.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	W	W	
32	F	Wind velocity (m. p. h.)	3	18	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.020		
37		Total correction		-.188		
38		Station pressure		29.932		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.00		
44		Time of filing (L. S. T.)				
45		Initials of observer	2B	2B	2B	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO SEPT. 20 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	2	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	2	1	
10	V—VV	Visibility (miles and fractions)	7	9	12	
11	ww	Present weather	03	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.5	58.4	58.2	
14		Wet bulb temperature (t′) (°F.)	53.0	54.0	55.1	
15		Difference (t—t′)	1.5	4.4	3.1	
16	T_sT_s	Dew point (°F.)	52	51	53.1	
17	U	Relative humidity (%)	91	75	82	
18		Vapor pressure (inches)	.390	.376	.405	
19		Min. thermometer at observation	53.0	54.0	57.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.8	60.0	61.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation			—	
25	RR	Total precipitation ~~past 6 hours~~		0	0	
26	PPP	Sea-level pressure (mbs.)		1014.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	5	7	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.984		
37		Total correction		-.185		
38		Station pressure		29.799		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		4.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.97		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

61.2 @ 4:00 PST = 75%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO~~, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO SEPT. 21 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	8W	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	8	8	4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	8	4	
10	V—VV	Visibility (miles and fractions)	10	20	25	
11	ww	Present weather	02	02	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	58.0	63.0	64.0	
14		Wet bulb temperature (t′) (°F.)	55.9	58.5	57.0	
15		Difference (t—t′)	2.1	4.5	7.0	
16	T_sT_s	Dew point (°F.)	54	56	52	
17	U	Relative humidity (%)	88	76	65	
18		Vapor pressure (inches)	.420	.452	.390	
19		Min. thermometer at observation	53.0	58.0	57.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.0	63.0	65.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SW	SW	
32	F	Wind velocity (m. p. h.)	6	12	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.030		
37		Total correction		.184		
38		Station pressure		29.846		
39		Tmp. 12 hours previously (t_2)		77		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

65.7 @ 3:40 DST = 69.7° 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) (Day) (Year)
TO SEPT. 22, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	0	0	7W	
4	C_H	Clouds, high (type and direction)	0	0	1W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	8	8	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	8	7	
10	V—VV	Visibility (miles and fractions)	12	15	20	
11	ww	Present weather	02	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.0	66.8	64.9	
14		Wet bulb temperature (t′) (°F.)	55.0	58.4	59.2	
15		Difference (t—t′)	4.0	8.4	5.7	
16	T_sT_s	Dew point (°F.)	52	53.3	51.3	
17	U	Relative humidity (%)	78	60	60	
18		Vapor pressure (inches)	.390	.405	.376	
19		Min. thermometer at observation	55.0	57.8	62.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	~~[illegible]~~ (12)	(24)		
21		Max. thermometer at observation	64.0	67.8	67.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SW	W	
32	F	Wind velocity (m. p. h.)	5	9	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.027		
37		Total correction		—.185		
38		Station pressure		29.842		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		71.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.01		
44		Time of filing (L. S. T.)				
45		Initials of observer	KDS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

67.9 @ 1:15 DST = 65%

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16	5	20/22			—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO SEPT. 3, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	1W	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1—	1—	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1—	1—	0	
10	V—VV	Visibility (miles and fractions)	10	20	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.5	62.0	61.2	
14		Wet bulb temperature (t') (°F.)	51.0	55.0	54.1	
15		Difference (t—t')	3.5	7.0	7.1	
16	T_sT_s	Dew point (°F.)	52	50	49	
17	U	Relative humidity (%)	86	64	64	
18		Vapor pressure (inches)	.390	.362	.349	
19		Min. thermometer at observation	54.5	55.9	60.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.0	62.6	63.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	W	W	
32	F	Wind velocity (m. p. h.)	6	18	20	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		29.820		
37		Total correction		-.160		
38		Station pressure		29.760		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.93		
44		Time of filing (L. S. T.)				
45		Initials of observer	MOS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

63.7 @ 2:20 DST = 68°/o 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)
TO Sept. 30 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	1 X	1W	1W	
3	C_M	Clouds, middle (type and direction)	0	4W	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	1	1	
10	V—VV	Visibility (miles and fractions)	12	20	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.3	57.0	59.1	
14		Wet bulb temperature (t') (°F.)	50.0	51.1	52.1	
15		Difference (t—t')	5.3	5.9	7.0	
16	T_sT_s	Dew point (°F.)	45	44.1	46	
17	U	Relative humidity (%)	69	68	62	
18		Vapor pressure (inches)	.300	.289	.312	
19		Min. thermometer at observation	53.3	54.9	58.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.2	60.8	60.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	2300	—	—	
25	RR	Total precipitation past ~~6 hours~~	T	0	0	
26	PPP	Sea-level pressure (mbs.)		1012.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	NW	W	
32	F	Wind velocity (m. p. h.)	8	19	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		29.916		
37		Total correction		-.184		
38		Station pressure		29.732		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.90		
44		Time of filing (L. S. T.)				
45		Initials of observer		FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	2300	2330	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60.7 @ 2:15 DST = 70%. 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO 5 28 7 35 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120 th Mer. Time	6/10 LST	12/10 LST	16/10 LST	LST
2	C_L	Clouds, low (type and direction)	0	2 W	5 W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest	—	—	—	
7	N_h	Clouds, amount of lowest	—	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	1	1	
10	V—VV	Visibility (miles and fractions)	8	25	25	
11	ww	Present weather	00	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.1	62.0	59.5	
14		Wet bulb temperature (t') (°F.)	49.1	52.0	54.0	
15		Difference (t—t')	9.0	10.0	5.5	
16	T_sT_s	Dew point (°F.)	43	43	50	
17	U	Relative humidity (%)	60	50	70	
18		Vapor pressure (inches)	.278	.278	.362	
19		Min. thermometer at observation	51.6	56.1	58.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	64.0	63.0	63.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—			
25	RR	Total precipitation past 6 hours	0			
26	PPP	Sea-level pressure (mbs.)		1014.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	3	15	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.970		
37		Total correction		-.185		
38		Station pressure		29.785		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.6		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO Sept. 26, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	1NW	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	NW	0	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	8	1-	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	1-	0	
10	V—VV	Visibility (miles and fractions)	8	10	35	
11	ww	Present weather	02	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.1	60.5	66.0	
14		Wet bulb temperature (t') (°F.)	51.2	54.5	55.0	
15		Difference (t—t')	3.9	6.0	6.0	
16	T_sT_s	Dew point (°F.)	45	50	50	
17	U	Relative humidity (%)	76	68	68	
18		Vapor pressure (inches)	.326	.362	.362	
19		Min. thermometer at observation	52.5	54.5	59.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.5	62.5	67.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1021.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	8	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.169		
37		Total correction		-.185		
38		Station pressure		29.984		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.15		
44		Time of filing (L. S. T.)				
45		Initials of observer	RJS	RJS	RJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO SEPT. 31, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	8 10 LST	12 40 LST	16 10 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	4	10	10	
11	ww	Present weather	00, 05, 17	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.1	71.2	65.1	
14		Wet bulb temperature (t') (°F.)	54.3	59.1	56.0	
15		Difference (t—t')	4.8	12.1	9.1	
16	T_sT_s	Dew point (°F.)	51	51-2	49	
17	U	Relative humidity (%)	74%	48	56	
18		Vapor pressure (inches)	.376	.376	.349	
19		Min. thermometer at observation	54.5	59.1	64.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	61.8	73.2	71.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1017.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	W	W	
32	F	Wind velocity (m. p. h.)	✓	5	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.056		
37		Total correction		-.188		
38		Station pressure		29.868		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.04		
44		Time of filing (L. S. T.)				
45		Initials of observer	JE	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

N+K 0200-1120

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO SEPT. 20, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 82d Mer. Time	07/0 LST	12/0 LST	16/0 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	1NW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	1-	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	1-	1-	
10	V—VV	Visibility (miles and fractions)	4	5	10	
11	ww	Present weather	17.05.02	17.05m	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.1	65.5	65.0	
14		Wet bulb temperature (t') (°F.)	52.8	59.0	58.0	
15		Difference (t—t')	1.3	6.5	7.0	
16	T_sT_s	Dew point (°F.)	52	55	53	
17	U	Relative humidity (%)	90%	68	66	
18		Vapor pressure (inches)	.390	.436	.405	
19		Min. thermometer at observation	52.8	54.1	62.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.1	68.0	66.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past 6 hours	0	0		
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	6	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		28.0		
36		Observed barometer reading		29.801		
37		Total correction		-.189		
38		Station pressure		29.612		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		54.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	FJS	KDS	KDS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H x K DNA 1430 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO _____ (Month) _____ (Day) _____ (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1-	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1-	2	
10	V—VV	Visibility (miles and fractions)	7	10	7	
11	ww	Present weather	03	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.1	59.4	55.0	
14		Wet bulb temperature (t') (°F.)	51.8	55.1	53.5	
15		Difference (t—t')	1.3	4.3	1.5	
16	T_sT_s	Dew point (°F.)	51.3	52	52	
17	U	Relative humidity (%)	92	76	91	
18		Vapor pressure (inches)	.376	.330	.390	
19		Min. thermometer at observation	52.3	52.6	55.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.1	60.3	63.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_n	Depth of snow on ground				
24	R_t	Time of precipitation	—			
25	RR	Total precipitation ~~past 6 hours~~	0			
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	W	W	
32	F	Wind velocity (m. p. h.)	4	8	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.000		
37		Total correction		-.187		
38		Station pressure		29.813		
39		Tmp. 12 hours previously (t_2)		19		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	ES	KDS	KDS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO SEPT. 30, 1949 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	0	5W	
3	C_M	Clouds, middle (type and direction)	0	0	7W	
4	C_H	Clouds, high (type and direction)	0	9W	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9	0	5	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	9	10	
10	V—VV	Visibility (miles and fractions)	4	3	3	
11	ww	Present weather	02,05,17	02,05,17	17,05,03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.2	69.4	55.0	
14		Wet bulb temperature (t') (°F.)	51.3	62.2	53.5	
15		Difference (t—t')	0.7	7.2	1.5	
16	T_sT_s	Dew point (°F.)	51.2	53	52	
17	U	Relative humidity (%)	95	55	91	
18		Vapor pressure (inches)	.376	.405	.390	
19		Min. thermometer at observation	51.0	51.8	53.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.2	69.4	71.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	4	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		28.8		
36		Observed barometer reading		29.838		
37		Total correction		+.158		
38		Station pressure		29.50		
39		Tmp. 12 hours previously (t_2)		.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)				
44		Time of filing (L. S. T.)		2202		
45		Initials of observer	FS	FS	RJG	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HAK DNA — 2300 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) Oct (Day) 1 (Year) 1948

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	X	SW	X	
4	C_H	Clouds, high (type and direction)	X	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	5	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	8	10	
10	V—VV	Visibility (miles and fractions)	2	6	10	
11	ww	Present weather	17 05 23	17 05 02	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.6	52.0	58.2	
14		Wet bulb temperature (t′) (°F.)	51.9	54.0	54.1	
15		Difference (t—t′)	0.7	3.0	4.1	
16	T_sT_s	Dew point (°F.)	51	52	51	
17	U	Relative humidity (%)	96	82	75	
18		Vapor pressure (inches)	.376	.390	.376	
19		Min. thermometer at observation	51.9	52.0	56.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	5 (12)	(24)		
21		Max. thermometer at observation	56.2	58.0	61.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours				
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	7	10	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		29.99		
37		Total correction		.188		
38		Station pressure		29.811		
39		Tmp. 12 hours previously (t_2)		0.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJG	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H & K DNA — 1410 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p′	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE (Month) (Day) (Year)

TO Oct. 2 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120 th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)		0	0	
3	C_M	Clouds, middle (type and direction)		7W	3W	
4	C_H	Clouds, high (type and direction)	0	0	1W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	2	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9+	6	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	6	2	
10	V—VV	Visibility (miles and fractions)	8	10	15	
11	ww	Present weather	.03	02	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.0	65.8	69.1	
14		Wet bulb temperature (t') (°F.)	55.0	60.0	61.2	
15		Difference (t—t')	2.0	5.8	7.9	
16	T_sT_s	Dew point (°F.)	54	56+3	56+3	
17	U	Relative humidity (%)	88	81	63	
18		Vapor pressure (inches)	.420	.452	.452	
19		Min. thermometer at observation	55.0	56.6	65.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.0	65.8	72.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation		—	—	
25	RR	Total precipitation ~~past 6 hours~~		0	0	
26	PPP	Sea-level pressure (mbs.)		1015.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	SE	SW	
32	F	Wind velocity (m. p. h.)	4	8	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.016		
37		Total correction		-.186		
38		Station pressure		29.82		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.00		
44		Time of filing (L. S. T.)				
45		Initials of observer	KPS	PS	PS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) (Day) (Year)
TO Oct. 3, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	6SW	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	1W	0	
4	C_H	Clouds, high (type and direction)	X	1W	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	2	8	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	6	8	
10	V—VV	Visibility (miles and fractions)	12	20	25	
11	ww	Present weather	61	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	63.0	70.3	64.4	
14		Wet bulb temperature (t′) (°F.)	61.0	62.0	61.6	
15		Difference (t—t′)	2.0	8.3	2.8	
16	T_sT_s	Dew point (°F.)	60.1	57	60	
17	U	Relative humidity (%)	90	63	86	
18		Vapor pressure (inches)	.522	.468	.522	
19		Min. thermometer at observation	61.6	62.2	63.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	67.4	70.4	71.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0830	1022	1510	
25	RR	Total precipitation ~~past 6 hours~~	.03	T	T	
26	PPP	Sea-level pressure (mbs.)		1028.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SW	SW	
32	F	Wind velocity (m. p. h.)	6	10	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.50		
37		Total correction		-.0182		
38		Station pressure		29.868		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.04		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ●	0015	0220	59
— ▽	0830	0920	
— ▽	1020	1022	
— ▽	1505	1510	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO Oct. 4, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 X	
3	C_M	Clouds, middle (type and direction)	0	5 NW	X	
4	C_H	Clouds, high (type and direction)	6	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)			X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	8	3	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	8	10	
10	V—VV	Visibility (miles and fractions)	7	8.		
11	ww	Present weather	03	02	03, 56	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.0	66.0	62.0	
14		Wet bulb temperature (t') (°F.)	57.5	60.0	60.8	
15		Difference (t—t')	1.5	6.0	1.2	
16	T_sT_s	Dew point (°F.)	57	56	59	
17	U	Relative humidity (%)	91	71	94	
18		Vapor pressure (inches)	.468	.425	.503	
19		Min. thermometer at observation	57.6	57.8	61.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.5	66.1	62.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation			1535	
25	RR	Total precipitation past ~~6 hours~~			T	
26	PPP	Sea-level pressure (mbs.)		1018.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	7	10	6	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.068		
37		Total correction		-.180		
38		Station pressure		29.888		
39		Tmp. 12 hours previously (t_2)		+.117		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.06		
44		Time of filing (L. S. T.)				
45		Initials of observer	KDS	KDS	SB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
-TS	1535	2130	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

DRIZZLE 1535 - 2130 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM Oct. 3, 1948 (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120 th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	6W	1W	1W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest		1—	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	1—	1—	
10	V—VV	Visibility (miles and fractions)	7	10	25	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	58.7	66.2	65.0	
14		Wet bulb temperature (t′) (°F.)	52.9	58.1	56.0	
15		Difference (t—t′)	2.0	8.1	9.0	
16	T_sT_s	Dew point (°F.)	54	52.4	49.3	
17	U	Relative humidity (%)	87	61	57	
18		Vapor pressure (inches)	.420	.390	.349	
19		Min. thermometer at observation	54.5	56.6	62.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.0	67.2	68.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1014.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	W	W	
32	F	Wind velocity (m. p. h.)	0	7	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		29.96		
37		Total correction		-.18		
38		Station pressure		29.78		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		77.1		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.95		
44		Time of filing (L. S. T.)				
45		Initials of observer	EJS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

68.0 @ 3:00 DST = 61.7 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) (Day) (Year)
TO Oct 8, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	2	10	20	
11	ww	Present weather	17,05,00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.2	72.9	67.4	
14		Wet bulb temperature (t') (°F.)	54.0	57.1	58.1	
15		Difference (t—t')	3.2	15.8	9.3	
16	T_sT_s	Dew point (°F.)	52	45.3	52	
17	U	Relative humidity (%)	81	37	57	
18		Vapor pressure (inches)	.390	.300	.340	
19		Min. thermometer at observation	54.0	56.9	66.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.0	73.9	74.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	NW	W	
32	F	Wind velocity (m. p. h.)	0	2	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		29.950		
37		Total correction		—.184		
38		Station pressure		29.766		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.94		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	ES	ES	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K DNA — 1143 60

74.0 @ 2:00 DST = 54°/0

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	2	8	10	
11	ww	Present weather	17,05,00	00	60	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.5	78.0	73.3	
14		Wet bulb temperature (t′) (°F.)	56.0	62.0	61.2	
15		Difference (t—t′)	3.5	16.0	12.1	
16	T_sT_s	Dew point (°F.)	54	51+4	53+2	
17	U	Relative humidity (%)	80	40	49	
18		Vapor pressure (inches)	.420	.376	.405	
19		Min. thermometer at observation	56.8	59.0	72.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	67.1	78.0	78.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_n	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1011.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	NW	NW	
32	F	Wind velocity (m. p. h.)	3	5	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		29.885		
37		Total correction		.18		
38		Station pressure		29.902		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.87		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K DNA-1120 60
78.9 @1315 DST = 40 %
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T	T	U	C_H	a	p p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T	T	U	C_H	a	p p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T	T	U	C_H	a	p p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T	T	U	C_H	a	p p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) (Day) (Year)
TO Oct. 8, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	1—	
10	V—VV	Visibility (miles and fractions)	3	7	15	
11	ww	Present weather	12,05,00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	62.1	69.0	58.0	
14		Wet bulb temperature (t') (°F.)	57.0	60.4	52.0	
15		Difference (t—t')	5.1	8.6	2.0	
16	T_sT_s	Dew point (°F.)	53.3	54	55	
17	U	Relative humidity (%)	73	60	87	
18		Vapor pressure (inches)	.405	.420	.426	
19		Min. thermometer at observation	58.6	61.5	52.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	73.4	71.5	60.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—			
25	RR	Total precipitation ~~past 6 hours~~	0			
26	PPP	Sea-level pressure (mbs.)				
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	2	10	18	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.5	[illegible]	
36		Observed barometer reading		29.810	[illegible]	
37		Total correction		-.177		
38		Station pressure		29.633	[illegible]	
39		Tmp. 12 hours previously (t_2)		67	77	
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.80	[illegible]	
44		Time of filing (L. S. T.)				
45		Initials of observer	ES	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HAR DNA — 110-0 60
71.5 @ 12:45 = 58%
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM 2 (Month) 1 (Day) 1948 (Year)

TO 2 (Month) 2 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	SW	SW	SW	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	7	8	8	
11	ww	Present weather	03	03	03,50	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.1	55.5	54.2	
14		Wet hulb temperature (t') (°F.)	51.1	53.0	52.2	
15		Difference (t—t')	1.0	2.5	2.0	
16	T_sT_s	Dew point (°F.)	50	51.5	51	
17	U	Relative humidity (%)	96	85	88	
18		Vapor pressure (inches)	.362	.390	.376	
19		Min. thermometer at observation	52.1	52.1	54.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.2	56.0	56.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	0810	1530	
25	RR	Total precipitation ~~past 6 hours~~	0	T	T	
26	PPP	Sea-level pressure (mbs.)		1013.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	6	13	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		29.960		
37		Total correction		-188		
38		Station pressure		29.772		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.94		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	JB	JB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ●	0810	1050	59
— ●	1530	1700	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornado, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16	5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM Oct. (Month) 20 (Day) 1948 (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	0	X	X	
4	C_H	Clouds, high (type and direction)	0	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest	—	—	—	
7	N_h	Clouds, amount of lowest	8	10	4	
8	h_ch_c	Ceiling	—	—	—	
9	N	Total amount of all clouds	8	10	4	
10	V—VV	Visibility (miles and fractions)	10	12	30	
11	ww	Present weather	02	03	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.0	57.5	60.0	
14		Wet bulb temperature (t') (°F.)	52.0	55.6	57.1	
15		Difference (t—t')	3.0	2.5	2.9	
16	T_sT_s	Dew point (°F.)	50	54	55	
17	U	Relative humidity (%)	81	85	84	
18		Vapor pressure (inches)	.362	.425	.436	
19		Min. thermometer at observation	51.9	54.0	57.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.1	58.5	62.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation			—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1014.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	12	12	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		72.2		
36		Observed barometer reading		29.86		
37		Total correction		-.181		
38		Station pressure		29.777		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.95		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM: (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	1W	5SE	5E	
3	C_M	Clouds, middle (type and direction)	0	0	9X	
4	C_H	Clouds, high (type and direction)	0	0		
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	SE	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	3	8	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	3	8	9	
10	V—VV	Visibility (miles and fractions)	8	10	12	
11	ww	Present weather	01	02	02,13	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.8	57.1	62.6	
14		Wet bulb temperature (t') (°F.)	53.0	54.7	55.5	
15		Difference (t—t')	2.0	2.4	7.1	
16	T_sT_s	Dew point (°F.)	51.4	53	50.2	
17	U	Relative humidity (%)	88	86	64	
18		Vapor pressure (inches)	.376	.405	.362	
19		Min. thermometer at observation	53.7	54.1	56.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.0	60.2	63.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0300	0920		
25	RR	Total precipitation ~~past 6 hours~~	0.12	T	0	
26	PPP	Sea-level pressure (mbs.)		1007.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	E	E	
32	F	Wind velocity (m. p. h.)	12	7	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		29.752		
37		Total correction		-.183		
38		Station pressure		29.569		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.74		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	59
— ●	0250	0300	
— ▽	0905	0920	
— ▽	1715	1800	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

61

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.
*	*	*	*
#	#	#	#

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Oct. 13 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	15	0	
3	C_M	Clouds, middle (type and direction)	35	75	75	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	5	5	5	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	8	5	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	5	3	
10	V—VV	Visibility (miles and fractions)	8	10	30	
11	ww	Present weather	02	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.1	66.0	60.0	
14		Wet bulb temperature (t′) (°F.)	53.3	56.8	55.0	
15		Difference (t—t′)	3.8	9.2	5.0	
16	T_sT_s	Dew point (°F.)	50.4	50	51.5	
17	U	Relative humidity (%)	78	56	73	
18		Vapor pressure (inches)	.362	.362	.390	
19		Min. thermometer at observation	56.2	56.6	59.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.6	66.0	69.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1800	—	—	
25	RR	Total precipitation ~~past 6 hours~~	.03	0	0	
26	PPP	Sea-level pressure (mbs.)		1014.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhb	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	E	W	
32	F	Wind velocity (m. p. h.)	5	6	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.86		
37		Total correction		-.182		
38		Station pressure		28.984		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.95		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	SB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
~~[illegible]~~	~~[illegible]~~		59
— ↳	1930	CONT	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

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STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	1S	3SW	
3	C_M	Clouds, middle (type and direction)	7S	3S	0	
4	C_H	Clouds, high (type and direction)	X	4S	4SW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	S	S	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	7	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	7	3	
10	V—VV	Visibility (miles and fractions)	8	10	15	
11	ww	Present weather	03	02	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	58.1	62.2	62.1	
14		Wet bulb temperature (t') (°F.)	54.3	55.9	57.0	
15		Difference (t—t')	3.8	6.3	5.1	
16	T_dT_d	Dew point (°F.)	51+3	51+3	53	
17	U	Relative humidity (%)	78	68	73	
18		Vapor pressure (inches)	.376	.376	.405	
19		Min. thermometer at observation	55.1	56.9	61.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.1	62.2	65.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0330	1030	—	
25	RR	Total precipitation past 6 hours	.02	T	0	
26	PPP	Sea-level pressure (mbs.)		1017.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	W	SW	
32	F	Wind velocity (m. p. h.)	3	9	10	
33	S_PS_P	Special phenomenon, general data		1		
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.055		
37		Total correction		.182		
38		Station pressure		29.873		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.04		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
— ◇	CONT.	0330	
— ◇	1018	1030	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

RAINBOW - 0830 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	7	10	10	
11	ww	Present weather	03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.0	59.4	57.0	
14		Wet bulb temperature (t') (°F.)	52.0	54.6	54.0	
15		Difference (t—t')	3.0	4.8	3.0	
16	T_dT_d	Dew point (°F.)	50.3	51	52	
17	U	Relative humidity (%)	83	74	82	
18		Vapor pressure (inches)	.362	.376	.390	
19		Min. thermometer at observation	51.8	54.6	56.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.2	59.4	60.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation ~~past 6 hours~~	0	0		
26	PPP	Sea-level pressure (mbs.)		1020.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	6	8	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.15		
37		Total correction		-.18		
38		Station pressure		29.97		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.14		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29		30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5/W	0	5W	
3	C_M	Clouds, middle (type and direction)	X	10	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	—	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	0	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	0	1—	
10	V—VV	Visibility (miles and fractions)	4	7	10	
11	ww	Present weather	03,15,17	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.0	62.2	56.1	
14		Wet bulb temperature (t') (°F.)	52.5	57.1	53.3	
15		Difference (t—t')	2.5	5.1	2.8	
16	T_sT_s	Dew point (°F.)	51	53+3	51+2	
17	U	Relative humidity (%)	85	72	83	
18		Vapor pressure (inches)	.376	.405	.376	
19		Min. thermometer at observation	53.1	55.0	55.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.0	65.1	63.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)				
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	W	W	
32	F	Wind velocity (m. p. h.)	1	4	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.031		
37		Total correction		-.185		
38		Station pressure		29.846		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer				

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K — 20MA — 11 50 60

65.1 @ 12:30 DST = 68%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	2	3	15	
11	ww	Present weather	00, 05, 17	17, 15, 10	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.0	77.0	74.5	
14		Wet bulb temperature (t') (°F.)	54.1	59.0	61.0	
15		Difference (t—t')	1.9	18.0	13.5	
16	T_sT_s	Dew point (°F.)	53	45	52	
17	U	Relative humidity (%)	88	33	46	
18		Vapor pressure (inches)	.405	.300	.390	
19		Min. thermometer at observation	50.5	56.0	74.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.1	77.0	83.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		[illegible]		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	N	W	
32	F	Wind velocity (m. p. h.)	1	3	9	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.970		
37		Total correction		.182		
38		Station pressure		29.788		
39		Tmp. 12 hours previously (t_2)		77		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		[illegible]		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	KDS	KDS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HAK ONA — 1530	60
83.0 AT 1330 DST 59%	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM Oct 6 (Month) 17 (Day) 1948 (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ th Mer. Time	0910 LST	1510 LST	1910 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	7	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	15W	65W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)				
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	1	7	
10	V—VV	Visibility (miles and fractions)	2	7	20	
11	ww	Present weather	1705.00	00	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	68.6	79.0	74.0	
14		Wet bulb temperature (t′) (°F.)	59.0	59.0	60.0	
15		Difference (t—t′)	9.6	20.0	14.0	
16	T_sT_s	Dew point (°F.)	52	43	50	
17	U	Relative humidity (%)	56	28	43	
18		Vapor pressure (inches)	.390	.278	.362	
19		Min. thermometer at observation	57.0	68.6	74.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	74.5	79.0	84.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	NE	NW	
32	F	Wind velocity (m. p. h.)	3	11	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.018		
37		Total correction		182		
38		Station pressure		29836		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.01		
44		Time of filing (L. S. T.)				
45		Initials of observer	KAS	KAS	KAS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HYR DNA — 1020 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	7 X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	2	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9	2	2	
10	V—VV	Visibility (miles and fractions)	7	10	15	
11	ww	Present weather	02	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.0	58.0	57.1	
14		Wet bulb temperature (t') (°F.)	52.5	54.0	52.2	
15		Difference (t—t')	0.5	4.0	4.9	
16	T_sT_s	Dew point (°F.)	52	51	48	
17	U	Relative humidity (%)	97	78	72	
18		Vapor pressure (inches)	.390	.376	.336	
19		Min. thermometer at observation	51.5	52.4	57.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	74.0	58.8	59.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	13	14	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.030		
37		Total correction		-.182		
38		Station pressure		29.848		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	PD	PS	PS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

59.3 @ 1500 DST = 75%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.
*	*	*	*
#	#	#	#

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches.

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	0	0	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	0	0	
10	V—VV	Visibility (miles and fractions)	7	6		
11	ww	Present weather	03	17,05,00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.0	64.1	59.3	
14		Wet bulb temperature (t') (°F.)	51.5	56.0	54.8	
15		Difference (t—t')	2.5	14.1	4.5	
16	T_sT_s	Dew point (°F.)	50	45.2	51.3	
17	U	Relative humidity (%)	84	50	74	
18		Vapor pressure (inches)	.362	.300	.376	
19		Min. thermometer at observation	53.5	53.9	57.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.1	64.1	64.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1020.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	5	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.137		
37		Total correction		-.183		
38		Station pressure		29.954		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.12		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	FS	FS	

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornado, lightning, halos, special phenomena, unusual phenomena, etc.)

H*K 1000 — 1430 60
64.2 @ 13:15 DST = 50%
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1	5	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1	5	
10	V—VV	Visibility (miles and fractions)	2	2	7	
11	ww	Present weather	53,08,03	70,50,01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.4	59.4	52.6	
14		Wet bulb temperature (t′) (°F.)	51.0	55.7	51.3	
15		Difference (t—t′)	0.4	3.7	1.3	
16	T_sT_s	Dew point (°F.)	51	53	50.3	
17	U	Relative humidity (%)	97	79	92	
18		Vapor pressure (inches)	.376	.405	.362	
19		Min. thermometer at observation	50.4	51.2	52.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.4	59.4	65.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0500	0900	—	
25	RR	Total precipitation past 6 hours	T	T	0	
26	PPP	Sea-level pressure (mbs.)		1019.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	NE	W	
32	F	Wind velocity (m. p. h.)	3	4	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.116		
37		Total correction		.184		
38		Station pressure		29.932		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.10		
44		Time of filing (L. S. T.)				
45		Initials of observer	HJS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
-S	0500	0900	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

F-DNH 0300 (L) — 0900 60
H×K 0900 — 1500
65.2 @ 1530 DST = 76%
F-1700 — CONT.
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26		13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	3 SW	0	0	
4	C_H	Clouds, high (type and direction)	4 SW	1 SW	1 SW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW		
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	1	5	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	1	5	
10	V—VV	Visibility (miles and fractions)	3	2	7	
11	ww	Present weather	12,05,02	20,50	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.0	64.6	79.0	
14		Wet bulb temperature (t') (°F.)	53.1	59.7	63.1	
15		Difference (t—t')	0.9	4.9	15.9	
16	T_sT_s	Dew point (°F.)	52	56.4	53	
17	U	Relative humidity (%)	94	75	40	
18		Vapor pressure (inches)	.390	.452	.405	
19		Min. thermometer at observation	50.1	53.6	64.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	52.0	64.6	79.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1043.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	CALM	E	N	
32	F	Wind velocity (m. p. h.)	0	5	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.096		
37		Total correction		.181		
38		Station pressure		29.915		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.09		
44		Time of filing (L. S. T.)				
45		Initials of observer	KS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K DNA — 60

F- CONT. - 0500

79.0 @ 1700 DST = .40 D

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	0	5W	
3	C_M	Clouds, middle (type and direction)	X	3W	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	8	9+	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	8	9+	
10	V—VV	Visibility (miles and fractions)	1	2	5	
11	ww	Present weather	17,08,03	03,05,17	03,05,17	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.1	65.8	55.5	
14		Wet bulb temperature (t') (°F.)	53.0	58.9	54.0	
15		Difference (t—t')	.1	6.9	1.5	
16	T_sT_s	Dew point (°F.)	53	54	53	
17	U	Relative humidity (%)	100	66	90	
18		Vapor pressure (inches)	.405	.420	.405	
19		Min. thermometer at observation	51.3	52.6	54.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	77.0	65.8	67.3	
22	T_xT_x	Higbest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours				
26	PPP	Sea-level pressure (mbs.)		1016.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction				
32	F	Wind velocity (m. p. h.)	W	E	W	
33	S_PS_P	Special phenomenon, general data	10	5	13	
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.032		
37		Total correction		-182		
38		Station pressure		29.850		
39		Tmp. 12 hours previously (t_2)		517		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	KAY	[illegible]	[illegible]	

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM [illegible] (Month) [illegible] (Day) [illegible] (Year)

TO [illegible] (Month) [illegible] (Day) [illegible] (Year)

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

E 0400 E - 0900	60
HR DNA — 2200	
67.3 @ 1530 DST = 65°/0	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 W	5 W	5 W	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	6	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	6	3	
10	V—VV	Visibility (miles and fractions)	1	5	15	
11	ww	Present weather	08,03	17,05,02	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.5	62.9	64.0	
14		Wet bulb temperature (t') (°F.)	55.0	58.3	60.0	
15		Difference (t—t')	.5	4.6	4.0	
16	T_sT_s	Dew point (°F.)	55	55.4	58.4	
17	U	Relative humidity (%)	96	76	80	
18		Vapor pressure (inches)	.436	.436	.486	
19		Min. thermometer at observation	54.5	54.7	62.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.0	62.9	65.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1020.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	SE	W	
32	F	Wind velocity (m. p. h.)	5	6	9	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.156		
37		Total correction		-.182		
38		Station pressure		29.974		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.117		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.14		
44		Time of filing (L. S. T.)				
45		Initials of observer	KP	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

0400(E)

LE 200 Dell — 0710	60
H×K 0930 — 1415	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM 12 (Month) 23 (Day) 1948 (Year)
TO 12 (Month) 24 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 240th Mer. Time	0710 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	1W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	3	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	3	1	1	
10	V—VV	Visibility (miles and fractions)	7	10	20	
11	ww	Present weather	81	00	00	
12	W	Past weather				
13	TT	Dry bulb temperatnre (t) (°F.)	59.1	64.2	64.4	
14		Wet bnlb temperature (t′) (°F.)	57.2	59.0	59.1	
15		Difference (t—t′)	1.9	5.2	5.3	
16	T_sT_s	Dew point (°F.)	56	56.4	56.2	
17	U	Relative humidity (%)	89	74	74	
18		Vapor pressure (inches)	.452	.452	.452	
19		Min. thermometer at observation	55.9	58.6	60.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	64.0	64.4	66.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1021.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	5	6	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.5		
36		Observed barometer reading		30.166		
37		Total correction		−.179		
38		Station pressure		29.987		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		4.17		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.16		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level
(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA — CITY OFFICE

FROM: Oct. 23 1948 (Month) (Day) (Year)

TO: (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	Fog	0	0	
3	C_M	Clouds, middle (type and direction)	x	1 x	0	
4	C_H	Clouds, high (type and direction)	x	0	3 x	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	x	x	x	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1 —	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1 —	1	
10	V—VV	Visibility (miles and fractions)	1/4 mi.	6	10	
11	ww	Present weather	03, 44	00, 05, 17	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.2	71.0	65.1	
14		Wet bulb temperature (t′) (°F.)	56.0	59.5	57.8	
15		Difference (t—t′)	0.2	11.5	7.3	
16	T_sT_s	Dew point (°F.)	56	52	53	
17	U	Relative humidity (%)	99	50	65	
18		Vapor pressure (inches)	.452	.390	.405	
19		Min. thermometer at observation	54.7	54.8	64.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	64.4	76.0	72.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SW	NW	
32	F	Wind velocity (m. p. h.)	2	6	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.080		
37		Total correction		-183		
38		Station pressure		29.897		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.07		
44		Time of filing (L. S. T.)				
45		Initials of observer	JFE	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Gd. Fog = 0200 (es) — 0600 — 60
= 0600 — 0815
= 0815 — 0930
HK — 0930 —
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →		2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO Oct. 26 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1	1	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	5	1	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	5	1	0	
10	V—VV	Visibility (miles and fractions)	7	7	30	
11	ww	Present weather	01	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.1	74.7	63.2	
14		Wet bulb temperature (t') (°F.)	53.1	57.1	55.1	
15		Difference (t—t')	4.0	17.6	8.1	
16	T_sT_s	Dew point (°F.)	50	43.1	49	
17	U	Relative humidity (%)	77	32	60	
18		Vapor pressure (inches)	.362	.278	.349	
19		Min. thermometer at observation	55.1	56.8	63.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.1	76.0	76.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	E	W	
32	F	Wind velocity (m. p. h.)	2	4	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.996		
37		Total correction		-182		
38		Station pressure		29.814		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
76 at 1220	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →		2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16	5	20/22	—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO Oct. 27 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 X	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	7 N	1 W	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	V	W	—	
6	h	Clouds, height of lowest	—			
7	N_h	Clouds, amount of lowest	1	6	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	6	0	
10	V—VV	Visibility (miles and fractions)	4	7	10	
11	ww	Present weather	03, 05, 17	02	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.0	68.2	60.3	
14		Wet bulb temperature (t') (°F.)	52.2	56.8	53.1	
15		Difference (t—t')	1.8	11.4	7.2	
16	T_sT_s	Dew point (°F.)	51	48+2	47+3	
17	U	Relative humidity (%)	89	49	62	
18		Vapor pressure (inches)	.376	.336	.324	
19		Min. thermometer at observation	51.2	53.6	60.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.2	69.9	68.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1010.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	6	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.846		
37		Total correction		-.181		
38		Station pressure		29.665		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.83		
44		Time of filing (L. S. T.)				
45		Initials of observer		FS	KS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K DNA — 1000 60

69.9 - 11.00 DST = 55%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
* #	* #	* #	* #	61

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM 10 (Month) 5 (Day) 1948 (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	5W	7W	1W	
3	C_M	Clouds, middle (type and direction)	0	0	3X	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	2	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	2	2	
10	V—VV	Visibility (miles and fractions)	7	10	12	
11	ww	Present weather	01	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.2	58.8	55.1	
14		Wet bulb temperature (t') (°F.)	48.4	52.0	50.8	
15		Difference (t—t')	3.8	6.8	4.3	
16	T_sT_s	Dew point (°F.)	45	46.3	47	
17	U	Relative humidity (%)	76	63	74	
18		Vapor pressure (inches)	.300	.312	.324	
19		Min. thermometer at observation	50.2	51.6	55.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.4	60.1	60.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1011.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	2	9	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.870		
37		Total correction		—.181		
38		Station pressure		29.689		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.86		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	1 W	5 W	
3	C_M	Clouds, middle (type and direction)	3 W	4 W	0	
4	C_H	Clouds, high (type and direction)	0		0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	1	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	1	1	
10	V—VV	Visibility (miles and fractions)	8	15	20	
11	ww	Present weather	01	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.1	55.1	54.0	
14		Wet bulb temperature (t') (°F.)	45.7	49.0	49.5	
15		Difference (t—t')	5.4	6.1	5.5	
16	T_sT_s	Dew point (°F.)	40	43	44	
17	U	Relative humidity (%)	66	64	66	
18		Vapor pressure (inches)	.248	.278	.289	
19		Min. thermometer at observation	49.8	50.6	53.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.2	58.1	55.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1013.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	17	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.948		
37		Total correction		-.182		
38		Station pressure		29.766		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.93		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

59 @ 1135 am 6 [illegible]

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120 th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	1NW	1W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	NW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	1—	1—	
10	V—VV	Visibility (miles and fractions)	7	10	25	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.0	57.8	56.0	
14		Wet bulb temperature (t′) (°F.)	45.1	50.0	50.1	
15		Difference (t—t′)	3.9	7.8	5.9	
16	T_sT_s	Dew point (°F.)	40	43	45	
17	U	Relative humidity (%)	74	57	66	
18		Vapor pressure (inches)	.258	.278	.300	
19		Min. thermometer at observation	47.2	47.9	55.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.1	57.8	58.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—			
25	RR	Total precipitation ~~past 6 hours~~	0	10196		
26	PPP	Sea-level pressure (mbs.)				
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	W	W	
32	F	Wind velocity (m. p. h.)	1	12	17	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.120		
37		Total correction		181		
38		Station pressure		29939		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.11		
44		Time of filing (L. S. T.)				
45		Initials of observer	ES	[illegible]	KDS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →		2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM (Month) (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	5W	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	1/2	7	7	
11	ww	Present weather	08,03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	56.0	59.1	56.9	
14		Wet bulb temperature (t') (°F.)	55.0	57.0	55.7	
15		Difference (t—t')	1.0	2.1	1.2	
16	T_sT_s	Dew point (°F.)	54	56	55	
17	U	Relative humidity (%)	94	88	93	
18		Vapor pressure (inches)	.420	.452	.436	
19		Min. thermometer at observation	52.3	55.0	56.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	— (12)	(24)		
21		Max. thermometer at observation	56.0	59.1	61.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past 6 hours	0	0		
26	PPP	Sea-level pressure (mbs.)		1021.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_s	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SW	W	
32	F	Wind velocity (m. p. h.)	4	3	9	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.176		
37		Total correction		.181		
38		Station pressure		29.995		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.17		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

F ~~[illegible]~~ -102-0 60
50300E

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	0	5W	
3	C_M	Clouds, middle (type and direction)	2W	2W	2W	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	5	10	5	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	7	12	15	
11	ww	Present weather	03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.0	63.0	61.7	
14		Wet bulb temperature (t') (°F.)	57.5	57.0	58.0	
15		Difference (t—t')	1.5	6.0	3.7	
16	T_sT_s	Dew point (°F.)	57-4	53-3	56-4	
17	U	Relative humidity (%)	92	69	81	
18		Vapor pressure (inches)	.468	.405	.452	
19		Min. thermometer at observation	56.0	58.6	60.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.0	64.4	63.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0630	—	1410	
25	RR	Total precipitation ~~past 6 hours~~	T	0	.01	
26	PPP	Sea-level pressure (mbs.)		1018.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	SW	
32	F	Wind velocity (m. p. h.)	7	12	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.086		
37		Total correction		-.183		
38		Station pressure		29.903		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.07		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	FS	FS	

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO Sept. 1 1948 (Month) (Day) (Year)

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— •	0500	0630	59
— •	1240	Contin	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO May (Month) 2 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	5 SW	6 W	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9+	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	10	10	
10	V—VV	Visibility (miles and fractions)	7	7	10	
11	ww	Present weather	22, 13	51, 03	51, 03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.5	63.1	62.0	
14		Wet bulb temperature (t′) (°F.)	58.5	61.6	61.0	
15		Difference (t—t′)	1.0	1.5	1.0	
16	T_sT_s	Dew point (°F.)	58	61.2	60.4	
17	U	Relative humidity (%)	95	92	95	
18		Vapor pressure (inches)	.486	.540	.522	
19		Min. thermometer at observation	57.1	58.6	61.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.0	63.1	65.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0645	0715	0715	
25	RR	Total precipitation past 6 hours	.50	T	.01	
26	PPP	Sea-level pressure (mbs.)		1018.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_s	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SE	SW	
32	F	Wind velocity (m. p. h.)	3	5	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading				
36		Observed barometer reading		30.080		
37		Total correction		-.185		
38		Station pressure		29.895		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+1.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.07		
44		Time of filing (L. S. T.)				
45		Initials of observer	J.B.	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Euded	
—	CONT.	0650	59
—	0715	1420	
—	1450	CONT'D	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

65.0 @ 1500 DST = 92%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16	5	20/22			—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_s	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~

CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Nov (Month) 3 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/12 75th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5NW	1NW	0	
3	C_M	Clouds, middle (type and direction)	7NW	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	NW	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1—	1—	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	2	1—	0	
10	V—VV	Visibility (miles and fractions)	10	20	30	
11	ww	Present weather	01	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.5	60.3	59.3	
14		Wet bulb temperature (t') (°F.)	52.0	53.6	53.1	
15		Difference (t—t')	1.5	6.7	6.2	
16	T_sT_s	Dew point (°F.)	51	48.3	48.2	
17	U	Relative humidity (%)	91	64	66	
18		Vapor pressure (inches)	.376	.336	.336	
19		Min. thermometer at observation	53.0	53.2	58.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.0	62.1	63.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0630	—	—	
25	RR	Total precipitation ~~past 6 hours~~	.33	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	10	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.078		
37		Total correction		.182		
38		Station pressure		29.896		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.07		
44		Time of filing (L. S. T.)				
45		Initials of observer	1295	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	Cont'd	0630	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

63.0 @ 1500 DST = 70%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16	5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
FROM CITY OFFICE (Month) (Day) (Year)
TO Nov. 2, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 130th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high, (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	25	30	35	
11	ww	Preseut weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.1	65.8	63.4	
14		Wet bulb temperature (t′) (°F.)	45.0	49.1	52.6	
15		Difference (t—t′)	10.1	16.7	10.8	
16	T_sT_s	Dew point (°F.)	33	30	43	
17	U	Relative humidity (%)	43	26	47	
18		Vapor pressure (inches)	.188	.165	.278	
19		Min. thermometer at observation	54.0	54.7	62.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.1	65.8	69.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1022.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	NW	W	
32	F	Wind velocity (m. p. h.)	7	12	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.218		
37		Total correction		.185		
38		Station pressure		30.033		
39		Tmp. 12 hours previously (t_2)		.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.20		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	EG	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

69.9 @ 3:30 DST = 42%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	3N	0	4W	
4	C_H	Clouds, high (type and direction)	0	4W	W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	N	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	1-	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	2	1-	2	
10	V—VV	Visibility (miles and fractions)	7	10	10	
11	ww	Present weather	01	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.1	66.2	63.6	
14		Wet bulb temperature (t') (°F.)	49.9	50.4	52.1	
15		Difference (t—t')	3.2	15.8	11.5	
16	T_sT_s	Dew point (°F.)	47	34	42.1	
17	U	Relative humidity (%)	80	30	45	
18		Vapor pressure (inches)	.324	.196	.268	
19		Min. thermometer at observation	50.4	52.2	63.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.4	68.6	71.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1024.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	NW	W	
32	F	Wind velocity (m. p. h.)	0	4	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.264		
37		Total correction		-.188		
38		Station pressure		30.076		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		+17		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.25		
44		Time of filing (L. S. T.)				
45		Initials of observer	KOS	FS	FS	

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM ~~Nov.~~ (Month) (Day) (Year)

TO ~~Nov.~~ 3 1948 (Month) (Day) (Year)

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornado, lightning, halos, special phenomena, unusual phenomena, etc.)

60

TM @ 2:40 DST = 46°

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM Nov (Month) 5 (Day) 1948 (Year)

TO Nov (Month) 6 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1410 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	5 W	0	
3	C_M	Clouds, middle (type and direction)	2 W	2 X	1 W	
4	C_H	Clouds, high (type and direction)	0	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	X	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest				
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	9+	7	
10	V—VV	Visibility (miles and fractions)	7	7	12	
11	ww	Present weather	03	03	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.0	58.2	55.5	
14		Wet bulb temperature (t') (°F.)	50.0	53.0	53.0	
15		Difference (t—t')	2.0	5.2	2.5	
16	T_sT_s	Dew point (°F.)	48	49	51	
17	U	Relative humidity (%)	87	71	85	
18		Vapor pressure (inches)		.349	.376	
19		Min. thermometer at observation	50.3	52.0	55.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.6	58.2	59.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation		—	—	
25	RR	Total precipitation past 6 hours		0	0	
26	PPP	Sea-level pressure (mbs.)		1022.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	SW	W	
32	F	Wind velocity (m. p. h.)	0	13	19	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.5		
36		Observed barometer reading		30.205		
37		Total correction		-190		
38		Station pressure		30.015		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.19		
44		Time of filing (L. S. T.)				
45		Initials of observer	EDS	JB	JB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
* #	* #	* #	* #	61

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22	—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO Nov. 7 1949 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	1X	0	
4	C_H	Clouds, high (type and direction)	0	0	8X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	X	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	1	6	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	1	6	
10	V—VV	Visibility (miles and fractions)	35	35	40	
11	ww	Present weather	00	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	59.0	65.5	66.5	
14		Wet bulb temperature (t') (°F.)	44.1	47.1	49.2	
15		Difference (t—t')	14.9	18.4	17.3	
16	T_sT_s	Dew point (°F.)	24	24	29	
17	U	Relative humidity (%)	24	20	24	
18		Vapor pressure (inches)	.124	.124	.157	
19		Min. thermometer at observation	52.5	58.0	64.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.2	65.5	68.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	NW	N	
32	F	Wind velocity (m. p. h.)	13	13	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.122		
37		Total correction		−189		
38		Station pressure		29.938		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.10		
44		Time of filing (L. S. T.)				
45		Initials of observer	DB	DB	DB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	IN	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	N	0	0	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1-	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1-	0	0	
10	V—VV	Visibility (miles and fractions)	10	25	25	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.1	63.8	66.1	
14		Wet bulb temperature (t') (°F.)	42.0	46.9	50.0	
15		Difference (t—t')	13.1	16.9	16.1	
16	T_sT_s	Dew point (°F.)	24	26	33	
17	U	Relative humidity (%)	38	23	28	
18		Vapor pressure (inches)	.124	.137	.188	
19		Min. thermometer at observation	54.1	54.6		
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	66.7	63.8	63.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			66.1 (12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation ~~past 6 hours~~	0	0		
26	PPP	Sea-level pressure (mbs.)		1024.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	NE	E	
32	F	Wind velocity (m. p. h.)	10	11	8	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.256		
37		Total correction		-.181		
38		Station pressure		30.075		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.25		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h	h	a_3	0	S_P S_P s_p s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_n T_n	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h	h	a_3	0	S_P S_P s_p s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h	h	a_3	0	S_P S_P s_p s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s T_s	D_C	T_x T_x	7	h_c h_c	V V	8	R_s	R_t	R R	9	h h	h	a_3	0	S_P S_P s_p s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO ~~June~~ (Month) 7 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1N	1N	1N	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	N	N	N	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	1-	1-	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	1-	1-	
10	V—VV	Visibility (miles and fractions)	8	10	12	
11	ww	Present weather	01	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.0	64.1	65.0	
14		Wet bulb temperature (t') (°F.)	46.0	48.3	52.0	
15		Difference (t—t')	7.0	15.8	13.0	
16	T_sT_s	Dew point (°F.)	39.3	30	40	
17	U	Relative humidity (%)	48	28	40	
18		Vapor pressure (inches)	.238	.165	.248	
19		Min. thermometer at observation	52.1	51.8	63.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	66.1	65.0	69.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation ~~past 6 hours~~	0	0		
26	PPP	Sea-level pressure (mbs.)		1026.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction				
32	F	Wind velocity (m. p. h.)	NE	NE	W	
33	S_PS_P	Special phenomenon, general data	3	8	9	
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.318		
37		Total correction		.181		
38		Station pressure		30137		
39		Tmp. 12 hours previously (t_2)		.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.31		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	RJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM [illegible] (Month) [illegible] (Day) [illegible] (Year)

TO [illegible] (Month) 10 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	7+	7+	7X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	9+	8	
10	V—VV	Visibility (miles and fractions)	3	2	7	
11	ww	Present weather	17,03	17,03	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	50.6	60.0	63.7	
14		Wet bulb temperature (t′) (°F.)	47.2	52.0	51.1	
15		Difference (t—t′)	3.4	8.0	12.6	
16	T_sT_s	Dew point (°F.)	44	45	39+2	
17	U	Relative humidity (%)	78	58	40	
18		Vapor pressure (inches)	.269	.300	.238	
19		Min. thermometer at observation	49.5	50.6	59.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	65.0	60.0	68.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		10169		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	SE	W	
32	F	Wind velocity (m. p. h.)	0	3	8	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.040		
37		Total correction		.181		
38		Station pressure		29.859		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.03		
44		Time of filing (L. S. T.)				
45		Initials of observer	KDJ	KDJ	ES	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornado, lightning, halos, special phenomena, unusual phenomena, etc.)

K DNA — 1420 60

68.2 @ 1450 DST = 55%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	b	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	b	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1810 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	8 N	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	—	N	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	3	
10	V—VV	Visibility (miles and fractions)	2	8	12	
11	ww	Present weather	17,05,00	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.8	67.3	68.1	
14		Wet bulb temperature (t') (°F.)	50.2	51.2	52.4	
15		Difference (t—t')	1.6	16.1	15.7	
16	T_sT_s	Dew point (°F.)	49	35	38.3	
17	U	Relative humidity (%)	90	30	33	
18		Vapor pressure (inches)	.349	.188	.229	
19		Min. thermometer at observation	50.4	51.6	67.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	63.9	67.3	72.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1014.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	CALM	NE	W	
32	F	Wind velocity (m. p. h.)	0	4	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.0		
36		Observed barometer reading		29.956		
37		Total correction		-.177		
38		Station pressure		29.779		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.117		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.95		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K DNA — 1115 60

72.0 @ 1430 DST - 50%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26		13		17	4	27	28	16	5	20/22		—	8	10		—	23	24	25	—	29		30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO Nov. 12, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	1 NW	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	NW	0	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	1-	0	
10	V—VV	Visibility (miles and fractions)	2	7	7	
11	ww	Present weather	17,05,00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.8	66.0	69.0	
14		Wet bulb temperature (t′) (°F.)	50.3	52.9	54.1	
15		Difference (t—t′)	2.8	13.1	14.9	
16	T_sT_s	Dew point (°F.)	48	41	41	
17	U	Relative humidity (%)	83	40	36	
18		Vapor pressure (inches)	.336	.258	.258	
19		Min. thermometer at observation	51.9	53.0	60.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	68.0	69.0	70.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NE	N	N	
32	F	Wind velocity (m. p. h.)	3	5	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.6		
36		Observed barometer reading		30.114		
37		Total correction		.181		
38		Station pressure		29.933		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.10		
44		Time of filing (L. S. T.)				
45		Initials of observer	J. E.	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HK DNA - 1130 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) (Day) (Year)
TO Jan (Month) 13 (Day) 1949 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	1X	1X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	X	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	3	4	
10	V—VV	Visibility (miles and fractions)	2	3	7	
11	ww	Present weather	17,05,00	17,05,01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.0	66.9	57.1	
14		Wet bulb temperature (t′) (°F.)	49.0	55.1	52.6	
15		Difference (t—t′)	3.0	11.8	6.5	
16	T_sT_s	Dew point (°F.)	46	46-3	47+2	
17	U	Relative humidity (%)	81	47	64	
18		Vapor pressure (inches)	.312	.312	.324	
19		Min. thermometer at observation	50.5	51.8	58.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	69.0	66.9	73.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	E	W	
32	F	Wind velocity (m. p. h.)	0	4	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.8		
36		Observed barometer reading		30.106		
37		Total correction		-.180		
38		Station pressure		29.926		
39		Tmp. 12 hours previously (t_2)		[illegible]		
40		Current temperature (t)		[illegible]		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.10		
44		Time of filing (L. S. T.)				
45		Initials of observer	KDS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HK DNA — 1414 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26		13	17	4	27	28	16	5	20/22	—	8		10		—	23	24	25	—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM Nov. (Month) 24 (Day) 1948 (Year)

TO Nov. (Month) 25 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1206 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	0	
3	C_M	Clouds, middle (type and direction)	0	X	7W	
4	C_H	Clouds, high (type and direction)	0	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	7	9+	9+	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	7	9+	9+	
10	V—VV	Visibility (miles and fractions)	8	10	15	
11	ww	Present weather	02	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	53.9	52.1	55.3	
14		Wet bulb temperature (t') (°F.)	50.1	49.9	50.6	
15		Difference (t—t')	3.8	2.2	4.7	
16	T_sT_s	Dew point (°F.)	47	48	47-0	
17	U	Relative humidity (%)	77	86	72	
18		Vapor pressure (inches)	.324	.336	.324	
19		Min. thermometer at observation	46.8	52.1	51.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.2	54.4	56.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1021.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	5	9	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		73.0		
36		Observed barometer reading		30.178		
37		Total correction		-.175		
38		Station pressure		30.003		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.17		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	2310	Cont'd	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	b	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO Jan. 1 (Month) 15 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	8NW	5W	0	
3	C_M	Clouds, middle (type and direction)	0	3W	7W	
4	C_H	Clouds, high (type and direction)	0	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	7	1	9	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	7	4	9	
10	V—VV	Visibility (miles and fractions)	8	15	20	
11	ww	Present weather	02	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	55.1	55.5	57.0	
14		Wet bulb temperature (t′) (°F.)	54.0	53.9	52.5	
15		Difference (t—t′)	1.1	1.6	4.5	
16	T_sT_s	Dew point (°F.)	53	53	49	
17	U	Relative humidity (%)	92	90	74	
18		Vapor pressure (inches)	.405	.405	.349	
19		Min. thermometer at observation	53.6	54.0	54.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.0	58.0	58.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0530	—	—	
25	RR	Total precipitation ~~past 6 hours~~	.03	0	0	
26	PPP	Sea-level pressure (mbs.)		1023.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	5	12	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.0		
36		Observed barometer reading		30.219		
37		Total correction		−.178		
38		Station pressure		30.041		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.21		
44		Time of filing (L. S. T.)				
45		Initials of observer	KB	KB	JB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ●	CONT'D	0530	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

58° at 1:30 pm 60
Hueson 849.

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION: SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) (Day) (Year)
TO June 16, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	6 W	
3	C_M	Clouds, middle (type and direction)	7 W	7 W	X	
4	C_H	Clouds, high (type and direction)	5 W	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	5	9+	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	9+	10	
10	V—VV	Visibility (miles and fractions)	3	7	7	
11	ww	Present weatber	17,05,02	03	62,03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.0	62.0	57.0	
14		Wet bulb temperature (t′) (°F.)	48.1	53.9	56.8	
15		Difference (t—t′)	2.9	8.1	0.2	
16	T_sT_s	Dew point (°F.)	45	48	57.3	
17	U	Relative humidity (%)	86	59	79	
18		Vapor pressure (inches)	.300	.336	.468	
19		Min. tbermometer at observation	49.5	51.0	57.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.5	62.1	64.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	1510	
25	RR	Total precipitation ~~past 6 hours~~	0	0	.01	
26	PPP	Sea-level pressure (mbs.)		1021.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SE	SW	
32	F	Wind velocity (m. p. h.)	4	9	14	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.5		
36		Observed barometer reading		30.156		
37		Total correction		-.179		
38		Station pressure		29.977		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.15		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level
(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— ●	1510	2030	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60
H+K DNA - 1130
64.0 @ 1315 DST = 80%
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM ~~Jan.~~ (Month) 7 (Day) 1948 (Year)

TO ~~Jan.~~ (Month) 7 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	07,0 LST	12,1 LST	16,1 LST	LST
2	C_L	Clouds, low (type and direction)	0	1 X	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1 W	1 X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	X	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest		1 —	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1 —	1 —	0	
10	V—VV	Visibility (miles and fractions)	20	25	30	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.4	55.6	59.0	
14		Wet bulb temperature (t′) (°F.)	45.0	48.1	48.1	
15		Difference (t—t′)	4.4	7.5	10.9	
16	T_sT_s	Dew point (°F.)	40	41.3	37.3	
17	U	Relative humidity (%)	71	57	43	
18		Vapor pressure (inches)	.248	.258	.220	
19		Min. thermometer at observation	47.1	48.8	54.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.0	55.6	59.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	2130	—	—	
25	RR	Total precipitation ~~past 6 hours~~	.02	0	0	
26	PPP	Sea-level pressure (mbs.)		1026.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	N	NW	
32	F	Wind velocity (m. p. h.)	5	10	6	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.5		
36		Observed barometer reading		30.328		
37		Total correction		.179		
38		Station pressure		30.149		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.32		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

59.3 @ 1600 DST = 57%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10	—	23	24	25	—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM ~~[illegible]~~ (Month) (Day) (Year)

TO ~~[illegible]~~ (Month) 18 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	4W	
4	C_H	Clouds, high (type and direction)	5W	1X	1W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	X	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	6	1	4	
10	V—VV	Visibility (miles and fractions)	10	12	15	
11	ww	Present weather	02	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	50.5	59.7	57.9	
14		Wet bulb temperature (t') (°F.)	46.3	49.1	48.7	
15		Difference (t—t')	4.2	10.6	9.2	
16	T_sT_s	Dew point (°F.)	42	39.4	43.3	
17	U	Relative humidity (%)	73	46	51	
18		Vapor pressure (inches)	.268	.238	.248	
19		Min. thermometer at observation	47.5	49.6	51.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.0	59.7	62.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1025.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	E	W	
32	F	Wind velocity (m. p. h.)	2	4	8	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.0		
36		Observed barometer reading		30.280		
37		Total correction		.178		
38		Station pressure		30.102		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.97		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.27		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

63.7° @ 1540 DST = 55%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 SE	2NW	5W	
3	C_M	Clouds, middle (type and direction)		0	0	
4	C_H	Clouds, high (type and direction)		0	7NW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SE	NW	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	8	5	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	8	10	
10	V—VV	Visibility (miles and fractions)	3	10	12	
11	ww	Present weather	03,62M	02	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.0	55.8	58.0	
14		Wet bulb temperature (t') (°F.)	48.0	53.0	54.0	
15		Difference (t—t')	1.0	2.8	4.0	
16	T_sT_s	Dew point (°F.)	47	51	51	
17	U	Relative humidity (%)	93	83	72	
18		Vapor pressure (inches)	.324	.376	.376	
19		Min. thermometer at observation	46.2	48.0	55.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.9	56.7	59.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0800	1155	1230	
25	RR	Total precipitation ~~past 6 hours~~	.21	.05	T	
26	PPP	Sea-level pressure (mbs.)		1019.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SE	W	
32	F	Wind velocity (m. p. h.)	9	5	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.110		
37		Total correction		.181		
38		Station pressure		29.929		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.10		
44		Time of filing (L. S. T.)	08			
45		Initials of observer	KDS	KDS	KDS	

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM 7 (Month) 12 (Day) 1948 (Year)

TO (Month) (Day) (Year)

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
—	2200	0800	59
—	1145	1155	
—	1215	1230	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

K DNA - 0800 60

59 @ 1400 DST = 85%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3				11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM 2 (Month) (Day) (Year)
TO 2 (Month) 30 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	1 NW	0	0	
3	C_M	Clouds, middle (type and direction)	3 NW	1 X	7 X	
4	C_H	Clouds, high (type and direction)	1 NW	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	X	X	
6	h	Clouds, height of lowest		—	—	
7	N_h	Clouds, amount of lowest	1	3	2	
8	h_ch_c	Ceiling		—	—	
9	N	Total amount of all clouds	3	3	2	
10	V—VV	Visibility (miles and fractions)	8	30	30	
11	ww	Present weather	01	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	48.6	57.5	58.0	
14		Wet bulb temperature (t') (°F.)	47.6	50.0	52.0	
15		Difference (t—t')	1.0	7.5	6.0	
16	T_sT_s	Dew point (°F.)	47.3	43	47	
17	U	Relative humidity (%)	94	59	66	
18		Vapor pressure (inches)	.324	.278	.324	
19		Min. thermometer at observation	47.9	47.8	56.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.0	59.0	59.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1020.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	W	W	
32	F	Wind velocity (m. p. h.)	3	4	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.132		
37		Total correction		-180		
38		Station pressure		29.952		
39		Tmp. 12 hours previously (t_2)		47		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.12		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	JB	JB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3		11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	1 X	1 X	1 X	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1 —	1 —	1 —	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1 —	1 —	1 —	
10	V—VV	Visibility (miles and fractions)	25	30	40	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	57.1	62.8	62.1	
14		Wet bulb temperature (t′) (°F.)	48.1	49.0	50.0	
15		Difference (t—t′)	9.0	13.8	12.1	
16	T_sT_s	Dew point (°F.)	39.2	34	38	
17	U	Relative humidity (%)	50	33	41	
18		Vapor pressure (inches)	.238	.196	.229	
19		Min. thermometer at observation	49.2	56.0	61.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.5	63.2	65.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1022.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	E	W	
32	F	Wind velocity (m. p. h.)	7	4	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.5		
36		Observed barometer reading		30.220		
37		Total correction		-190		
38		Station pressure		30.030		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.20		
44		Time of filing (L. S. T.)				
45		Initials of observer	LB	JB	LB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27		28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0700 LST	1200 LST	1600 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	1 NW	6 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—			
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	3	8	
10	V—VV	Visibility (miles and fractions)	8	7	7	
11	ww	Present weather	00	01	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	54.6	64.0	62.2	
14		Wet bulb temperature (t') (°F.)	47.0	51.0	54.0	
15		Difference (t—t')	7.6	13.0	8.2	
16	T_sT_s	Dew point (°F.)	39.5	39	47	
17	U	Relative humidity (%)	56	38	58	
18		Vapor pressure (inches)	.238	.229	.324	
19		Min. thermometer at observation	53.8	54.0	62.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.8	64.0	70.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation ~~past 6 hours~~	0	0		
26	PPP	Sea-level pressure (mbs.)		1023.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	NW	W	
32	F	Wind velocity (m. p. h.)	6	4	8	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.248		
37		Total correction		-.185		
38		Station pressure		30.063		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.23		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25	—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	5W	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	1X	0	1N	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X			
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	1-	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1-	0	1-	
10	V—VV	Visibility (miles and fractions)	4	4	6	
11	ww	Present weather	17,05,00	17,05,00	17,05,00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.0	63.5	56.0	
14		Wet bulb temperature (t') (°F.)	48.0	56.0	52.6	
15		Difference (t—t')	4.0	7.5	3.4	
16	T_sT_s	Dew point (°F.)	46+2	50	56	
17	U	Relative humidity (%)	80	62	80	
18		Vapor pressure (inches)	.312	.362	.362	
19		Min. thermometer at observation	48.2	52.0	56.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	62.4	65.4	66.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_a	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1020.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	2	3	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.150		
37		Total correction		-.185		
38		Station pressure		29.965		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.13		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HHK DNA — 1810 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 S	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	3 W	
4	C_H	Clouds, high (type and direction)	0	2 X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	5	X	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	8	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	7	1	
10	V—VV	Visibility (miles and fractions)	7	4	6	
11	ww	Present weather	02	03,05,17	07,05,00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	50.6	57.2	60.5	
14		Wet bulb temperature (t') (°F.)	49.2	54.1	55.2	
15		Difference (t—t')	1.4	3.1	5.3	
16	T_sT_s	Dew point (°F.)	48	52.2	51	
17	U	Relative humidity (%)	91	81	71	
18		Vapor pressure (inches)	.336	.390	.376	
19		Min. thermometer at observation	48.1	50.4	55.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.2	60.4	64.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	E	W	
32	F	Wind velocity (m. p. h.)	4	5	6	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.029		
37		Total correction		-.182		
38		Station pressure		29.847		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.02		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	KGS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H & K 0900 — 1800 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26		13	17	4	27	28		16	5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	0	
3	C_M	Clouds, middle (type and direction)	3W	3NW	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	NW		
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1-	1-	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	6	7	0	
10	V—VV	Visibility (miles and fractions)	7	12	25	
11	ww	Present weather	09 02	02	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.0	52.6	53.0	
14		Wet bulb temperature (t′) (°F.)	48.0	49.2	48.5	
15		Difference (t—t′)	1.0	3.4	4.5	
16	T_sT_s	Dew point (°F.)	47	46	44	
17	U	Relative humidity (%)	93	79	72	
18		Vapor pressure (inches)	.324	.312	.289	
19		Min. thermometer at observation	46.6	48.0	51.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	60.5	52.6	54.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours				
26	PPP	Sea-level pressure (mbs.)				
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	W	W	W	
32	F	Wind velocity (m. p. h.)	4	18	20	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		29.990		
37		Total correction		-.180		
38		Station pressure		29.810		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

FOG 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
FROM CITY OFFICE (Month) (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	0	0	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	20	30	40	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.3	53.6	54.2	
14		Wet bulb temperature (t') (°F.)	40.6	42.0	47.1	
15		Difference (t—t')	6.7	11.6	7.1	
16	T_sT_s	Dew point (°F.)	32	26	40	
17	U	Relative humidity (%)	55	33	58	
18		Vapor pressure (inches)	.180	.137	.248	
19		Min. thermometer at observation	46.8	47.1	53.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.0	53.9	56.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	2150	—	—	
25	RR	Total precipitation ~~past 6 hours~~	.01	0	0	
26	PPP	Sea-level pressure (mbs.)		1024.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NNW	NW	W	
32	F	Wind velocity (m. p. h.)	11	10	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.276		
37		Total correction		-.184		
38		Station pressure		30.092		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.26		
44		Time of filing (L. S. T.)				
45		Initials of observer		FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t'_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	59
— •	2130	2150	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

561 @ 1420 DST = 50%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

46

Line numbers →		2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM (Month) (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	0	0	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	0	0	
10	V—VV	Visibility (miles and fractions)	35	10	15	
11	ww	Present weather	00	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.0	55.5	58.8	
14		Wet bulb temperature (t′) (°F.)	41.8	45.0	47.0	
15		Difference (t—t′)	4.2	10.5	11.8	
16	T_sT_s	Dew point (°F.)	37	33	34	
17	U	Relative humidity (%)	70	42	47	
18		Vapor pressure (inches)	.220	.188	.196	
19		Min. thermometer at observation	45.0	45.0	55.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.8	55.5	60.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past ~~6 hours~~	0	0		
26	PPP	Sea-level pressure (mbs.)		1030.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure chauge				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NE	E	W	
32	F	Wind velocity (m. p. h.)	2	4	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.436		
37		Total correction		-.185		
38		Station pressure		30.251		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.42		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16	5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM ~~[illegible]~~ (Month) ~~[illegible]~~ (Day) ~~28~~ (Year) ~~1948~~

TO ~~[illegible]~~ (Month) ~~[illegible]~~ (Day) ~~[illegible]~~ (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/20th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	4N	4SW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	0	N	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	0	4	1	
10	V—VV	Visibility (miles and fractions)	6	3	10	
11	ww	Present weather	17.05.00	17.05.02	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.2	57.3	55.5	
14		Wet bulb temperature (t') (°F.)	43.9	49.0	50.0	
15		Difference (t—t')	5.3	8.3	5.5	
16	T_sT_s	Dew point (°F.)	38	41	45	
17	U	Relative humidity (%)	65	54	68	
18		Vapor pressure (inches)	.229	.258	.300	
19		Min. thermometer at observation	42.5	49.0	55.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	58.8	57.3	59.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation				
25	RR	Total precipitation past 6 hours				
26	PPP	Sea-level pressure (mbs.)		1030.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	C	S	W	
32	F	Wind velocity (m. p. h.)	0	5	8	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.430		
37		Total correction		-.183		
38		Station pressure		30.247		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.42		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM (Month) (Day) (Year)
TO (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	10 fog	0	0	
3	C_M	Clouds, middle (type and direction)	x	0	0	
4	C_H	Clouds, high (type and direction)	x	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	x	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	0	0	
10	V—VV	Visibility (miles and fractions)	½ mi	8	20	
11	ww	Present weather	40, 03	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.2	52.4	53.4	
14		Wet bulb temperature (t') (°F.)	46.8	49.0	49.1	
15		Difference (t—t')	.4	3.4	4.3	
16	T_sT_s	Dew point (°F.)	46	46	45.2	
17	U	Relative humidity (%)	95	78	73	
18		Vapor pressure (inches)	.312	.312	.300	
19		Min. thermometer at observation	46.0	46.6	51.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	59.8	52.4	59.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1024.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	NW	W	
32	F	Wind velocity (m. p. h.)	2	5	9	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.262		
37		Total correction		-.184		
38		Station pressure		30.078		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.25		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level
(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

fog — 0520(L) — 1045 60

588 @1540 DST = 71%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO Nov. 30, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	7SW	0	0	
4	C_H	Clouds, high (type and direction)	0	0	1N	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	—	N	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	0	4	
10	V—VV	Visibility (miles and fractions)	6	6	15	
11	ww	Present weather	17,05,02	17,05,02	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.0	55.8	55.2	
14		Wet bulb temperature (t') (°F.)	45.9	50.1	52.1	
15		Difference (t—t')	1.1	5.7	3.1	
16	T_sT_s	Dew point (°F.)	45	45	50.3	
17	U	Relative humidity (%)	92	67	82	
18		Vapor pressure (inches)	.300	.300	.362	
19		Min. thermometer at observation	45.4	46.6	53.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.6	55.8	61.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1022.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SE	W	
32	F	Wind velocity (m. p. h.)	3	4	14	
33	S_pS_p	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.200		
37		Total correction		-.182		
38		Station pressure		30.018		
39		Tmp. 12 hours previously (t_2)		49		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.18		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HR DNA - 1420 60

61.8 @ 1445 DST = 65%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10	—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_p	S_p	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_p	S_p	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_p	S_p	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_p	S_p	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO DEC. 1, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	07 EST	1200 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	4/SW	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	5	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	5	0	0	
10	V—VV	Visibility (miles and fractions)	12	15	20	
11	ww	Present weather	01	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.0	59.4	56.7	
14		Wet bulb temperature (t') (°F.)	44.0	48.3	49.6	
15		Difference (t—t')	5.0	11.1	7.1	
16	T_sT_s	Dew point (°F.)	38	37	43	
17	U	Relative humidity (%)	66	43	60	
18		Vapor pressure (inches)	.229	.220	.278	
19		Min. thermometer at observation	48.0	48.6	52.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.0	60.1	62.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1023.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	SW	W	
32	F	Wind velocity (m. p. h.)	5	4	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.239		
37		Total correction		.182		
38		Station pressure		30.057		
39		Tmp. 12 hours previously (t_2)		.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.23		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	PS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
62.6 @ 1350 DST = 54 °F	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		8		10		23	24	25		29			30	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form-1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO DEC. 2, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 NW	0	5 W	
3	C_M	Clouds, middle (type and direction)	0	7 SW	X	
4	C_H	Clouds, high (type and direction)	3 X	0	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	SW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	0	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	3	10	
10	V—VV	Visibility (miles and fractions)	6	8	10	
11	ww	Present weather	17,05,02	01	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	48.2	54.0	51.1	
14		Wet bulb temperature (t′) (°F.)	47.0	50.0	49.4	
15		Difference (t—t′)	1.2	4.0	1.7	
16	T_sT_s	Dew point (°F.)	46	46	48-1	
17	U	Relative humidity (%)	92	76	89	
18		Vapor pressure (inches)	.312	.312	.336	
19		Min. thermometer at observation	46.4	47.0	50.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.7	56.1	55.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	—			
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	5	8	11	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		30.076		
37		Total correction		—.184		
38		Station pressure		29.892		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.06		
44		Time of filing (L. S. T.)				
45		Initials of observer	KGJ	KJS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
• —	2130	CONT	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

HK DNA — 1130

56.1 @ 1240 DST = 70°/0

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
FROM CITY OFFICE
TO DEC. 3, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1612 LST	LST
2	C_L	Clouds, low (type and direction)	5W	2W	2X	
3	C_M	Clouds, middle (type and direction)	7W	4W	4W	
4	C_H	Clouds, high (type and direction)	0	1W	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1-	2	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	6	3	3	
10	V—VV	Visibility (miles and fractions)	15	25	35	
11	ww	Present weather	02	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	47.2	50.0	50.0	
14		Wet bulb temperature (t') (°F.)	44.0	44.5	43.5	
15		Difference (t—t')	3.2	5.5	6.5	
16	T_sT_s	Dew point (°F.)	41	39	36	
17	U	Relative humidity (%)	78	64	58	
18		Vapor pressure (inches)	.258	.238	.212	
19		Min. thermometer at observation	45.4	46.5	49.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	53.5	51.0	51.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground	—			
24	R_t	Time of precipitation		—	—	
25	RR	Total precipitation past 6 hours	.34	0	0	
26	PPP	Sea-level pressure (mbs.)		1012.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	W	W	
32	F	Wind velocity (m. p. h.)	7	9	13	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		29.918		
36		Observed barometer reading		-.180		
37		Total correction		29.738		
38		Station pressure				
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)	+17	+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.91		
44		Time of filing (L. S. T.)		00		
45		Initials of observer	KJS	JG	ZB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
●	Cont'd	0330	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Dec. 4, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1610 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	2 NW	5 NW	0	
3	C_M	Clouds, middle (type and direction)	5 N	1 NW	7 NW	
4	C_H	Clouds, high (type and direction)	1 N	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	N	NW	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1 —	1 —	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	2	10	10	
10	V—VV	Visibility (miles and fractions)	25	25	25	
11	ww	Present weather	01	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	45.0	49.4	48.8	
14		Wet bulb temperature (t') (°F.)	40.0	43.1	41.1	
15		Difference (t—t')	5.0	6.3	7.7	
16	T_sT_s	Dew point (°F.)	34.4	36.2	31.1	
17	U	Relative humidity (%)	64	59	50	
18		Vapor pressure (inches)	.196	.212	.172	
19		Min. thermometer at observation	42.0	44.9	47.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	50.0	50.0	51.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1024.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	W	SW	
32	F	Wind velocity (m. p. h.)	8	8	8	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.5		
36		Observed barometer reading		30.270		
37		Total correction		-.182		
38		Station pressure		30.088		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.26		
44		Time of filing (L. S. T.)				
45		Initials of observer		FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Dec. 5, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	6 S	6 SW	5 W	
3	C_M	Clouds, middle (type and direction)	X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	S	SW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	9+	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10.	9+	
10	V—VV	Visibility (miles and fractions)	7	4	8	
11	ww	Present weather	62,03	62,03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.1	53.6	51.2	
14		Wet bulb temperature (t') (°F.)	50.0	53.0	50.1	
15		Difference (t—t')	1.1	0.6	1.1	
16	T_sT_s	Dew point (°F.)	49.1	53.4	49.2	
17	U	Relative humidity (%)	93	97	92	
18		Vapor pressure (inches)	.349	.405	.349	
19		Min. thermometer at observation	47.6	50.6	49.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	51.1	53.6	53.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0210	0210	1345	
25	RR	Total precipitation ~~past 6 hours~~	0.05	0.10	0.14	
26	PPP	Sea-level pressure (mbs.)		1019.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	W	
32	F	Wind velocity (m. p. h.)	11	17	9	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.5		
36		Observed barometer reading		30.116		
37		Total correction		-.178		
38		Station pressure		29.938		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.11		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R—	0210	1345	59
R—	1830	2030	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornado, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

61

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.
*	*	*	*
#	#	#	#

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) (Day) (Year)
TO DEC. 6, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	5NE	0	
3	C_M	Clouds, middle (type and direction)	0	0	2W	
4	C_H	Clouds, high (type and direction)	7	0	4W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	—	NE	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	0	1—	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	1—	4	
10	V—VV	Visibility (miles and fractions)	5	5	10	
11	ww	Present weather	17,05,03	17,05,03	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	44.5	51.0	52.6	
14		Wet bulb temperature (t') (°F.)	42.6	47.0	48.0	
15		Difference (t—t')	1.9	4.0	4.6	
16	T_sT_s	Dew point (°F.)	40	43	44	
17	U	Relative humidity (%)	85	74	71	
18		Vapor pressure (inches)	.248	.278	.289	
19		Min. thermometer at observation	43.0	44.0	51.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	51.2	51.0	56.1	
22	T_xT_x	Highest tmp. past 12 or 24 hours			56.1 (12)	(24)
23	R_s	Depth of snow on ground	—		#	
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1025.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	E	W	
32	F	Wind velocity (m. p. h.)	5	5	6	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.290		
37		Total correction		—.181		
38		Station pressure		30.109		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		41.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.28		
44		Time of filing (L. S. T.)				
45		Initials of observer	HE	KAS	KAS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level
(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

H+K DNA-1415 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE
FROM _____ (Month) _____ (Day) _____ (Year)
TO Dec. 7, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	6SE	6SE	
3	C_M	Clouds, middle (type and direction)	2 SW	X	X	
4	C_H	Clouds, high (type and direction)	0	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SE	SE	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9+	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	10	10	
10	V—VV	Visibility (miles and fractions)	4	2	1	
11	ww	Present weather	61,17,05	62,17,05	62,17,03	
12	W	Past weather		05		
13	TT	Dry bulb temperature (t) (°F.)	49.0	50.0	50.0	
14		Wet bulb temperature (t') (°F.)	47.0	49.0	50.0	
15		Difference (t—t')	2.0	1.0	0.0	
16	T_sT_s	Dew point (°F.)	45.1	48	50.0	
17	U	Relative humidity (%)	86	94	100	
18		Vapor pressure (inches)	.300	.336	.362	
19		Min. thermometer at observation	46.1	48.5	50.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	52.7	51.5	53.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0640	0640	0640	
25	RR	Total precipitation ~~past 6 hours~~	T	.06	.10	
26	PPP	Sea-level pressure (mbs.)		1024.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SE	SE	
32	F	Wind velocity (m. p. h.)	6	9	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		30.260		
37		Total correction		-.181		
38		Station pressure		30.079		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47.7		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.25		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R—	0640	CONT.	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

HYR DNA-2020 60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Dec. 8 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 NW	5 N	0	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	6 X	7 W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	—	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1-	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9	10	
10	V—VV	Visibility (miles and fractions)	10	8	12	
11	ww	Present weather	03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	50.0	54.0	57.0	
14		Wet bulb temperature (t') (°F.)	48.0	50.0	52.0	
15		Difference (t—t')	2.0	4.0	5.0	
16	T_sT_s	Dew point (°F.)	46	46	48	
17	U	Relative humidity (%)	86	76	71	
18		Vapor pressure (inches)	.312	.312	.336	
19		Min. thermometer at observation	49.2			
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	49.0 (24)		
21		Max. thermometer at observation	53.4	54.0	57.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0350	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0.03	0	0	
26	PPP	Sea-level pressure (mbs.)		1024.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NE	N	N	
32	F	Wind velocity (m. p. h.)	4	6	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		74.5		
36		Observed barometer reading		30.250		
37		Total correction		-.179		
38		Station pressure		30.071		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.24		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	KS	KFS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level
(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R —	Cont'd	0350	59
T.S. OVER 1/2 FULL @ 0710 0335.			
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Sprdsht	60
100p 500p	
79 73	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO DEC. 9 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5NW	0	0	
3	C_M	Clouds, middle (type and direction)	0	3N	0	
4	C_H	Clouds, high (type and direction)	1W	6SW	6SW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	NW	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	2	1	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	9	8	
10	V—VV	Visibility (miles and fractions)	7	7	10	
11	ww	Present weather	01	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.6	53.0	54.0	
14		Wet hulb temperature (t') (°F.)	46.0	49.5	50.9	
15		Difference (t—t')	0.6	3.5	3.1	
16	T_sT_s	Dew point (°F.)	45 FM	46	48	
17	U	Relative humidity (%)	96	78	82	
18		Vapor pressure (inches)	.300	.312	.336	
19		Min. thermometer at observation	45.6	45.5	57.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	57.0	53.0	56.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	NW	NW	
32	F	Wind velocity (m. p. h.)	5	5	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.129		
37		Total correction		-.186		
38		Station pressure		29.943		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.11		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	KAS	KAS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Sprdet	60
8a. 1.00 p. 5-P.	
100 85 81	
Max 56 at 1530 80%	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO DEC. 10 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 N	5 W	0	
3	C_M	Clouds, middle (type and direction)		7 X	1 X	
4	C_H	Clouds, high (type and direction)		X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	N	X	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9	3	
10	V—VV	Visibility (miles and fractions)	7	12	15	
11	ww	Present weather	03	03	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.3	52.5	56.0	
14		Wet hulb temperature (t') (°F.)	47.9	48.0	48.5	
15		Difference (t—t')	1.4	4.0	7.5	
16	T_dT_d	Dew point (°F.)	46	44	41	
17	U	Relative humidity (%)	86	73	58	
18		Vapor pressure (inches)	.312	.259	.258	
19		Min. thermometer at observation	48.7	49.0	51.5	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.0	52.5	57.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation		—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1020.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	NW	SW	
32	F	Wind velocity (m. p. h.)	7	3	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.5		
36		Observed barometer reading		30.140		
37		Total correction		-190		
38		Station pressure		29.950		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.12		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
Max 57 @ 1600			
Min. 58 70			
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Sprinkl	60
800a 100 500p	
84 80 60	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO Dec. 11, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	6 SW	5 W	5 NW	
3	C_M	Clouds, middle (type and direction)	X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	7 SW	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	7	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	7	7	8	
11	ww	Present weather	51,03	51,03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	52.0	54.0	55.2	
14		Wet bulb temperature (t') (°F.)	51.0	53.0	52.5	
15		Difference (t—t')	1.0	1.0	2.7	
16	T_sT_s	Dew point (°F.)	50+1	52	50	
17	U	Relative humidity (%)	93	94	84	
18		Vapor pressure (inches)	.362	.390	.362	
19		Min. thermometer at observation	49.4	51.0	53.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	56.1	54.0	58.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0610	0610	1330	
25	RR	Total precipitation ~~past 6 hours~~	T	T	T	
26	PPP	Sea-level pressure (mbs.)		1019.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	SW	W	
32	F	Wind velocity (m. p. h.)	4	5	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		30.130		
37		Total correction		188		
38		Station pressure		29.942		
39		Tmp. 12 hours previously (t_2)		17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.1.1		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	KDS	KDS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
·9 —	0610	1330	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Sandust			60
8:00 a	1:00 p	5:00 p	
100	99	90	
☐ Notes continued on reverse side			

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

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Line numbers →	2	3	11	10	6	7	31	32	12	9	26			18		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO DEC. 12 1945 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Observation began, _ _th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	6 SE	6 SW	6 SW	
3	C_M	Clouds, middle (type and direction)	X	X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SE	SW	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	10	
10	V—VV	Visibility (miles and fractions)	1	2	7	
11	ww	Present weather	62,03	62,03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	51.5	54.0	54.5	
14		Wet bulb temperature (t′) (°F.)	51.5	54.0	53.0	
15		Difference (t—t′)	0.0	0.0	1.5	
16	T_dT_d	Dew point (°F.)	52	52	52	
17	U	Relative humidity (%)	100	100	90	
18		Vapor pressure (inches)	.390	.420	.390	
19		Min. thermometer at observation	48.8	51.0	53.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	55.2	54.0	55.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0330	0330		
25	RR	Total precipitation past 6 hours	.03	.03	.01	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SW	SW	
32	F	Wind velocity (m. p. h.)	5	10	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		78.0		
36		Observed barometer reading		30.000		
37		Total correction		-.188		
38		Station pressure		29.812		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
• —	0330	1500	59
• —	1630	CONT'D	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Sunset

800	100	500	60
100	100	95	
☐ Notes continued on reverse side			

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10	—	23	24	25	—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Dec. (Month) 12 (Day) 1948 (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, _ _th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	6 SW	6 SW	1 W	
3	C_M	Clouds, middle (type and direction)	X	X	0	
4	C_H	Clouds, high (type and direction)	X	X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SW	SW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	1 -	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	1 -	
10	V—VV	Visibility (miles and fractions)	7	6	15	
11	ww	Present weather	03	62 03	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	49.5	49.0	51.0	
14		Wet bulb temperature (t') (°F.)	48.0	49.0	47.0	
15		Difference (t—t')	1.5	0.0	4.0	
16	T_sT_s	Dew point (°F.)	47	49	43	
17	U	Relative humidity (%)	90	100	74	
18		Vapor pressure (inches)	.324	.349	.278	
19		Min. thermometer at observation			47.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	48.1 (12)	48.0 (24)		
21		Max. thermometer at observation	54.5	54.0	53.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0630	0945	1430	
25	RR	Total precipitation ~~past 6 hours~~	.16	.31	.05	
26	PPP	Sea-level pressure (mbs.)		1011.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	SW	SW	
32	F	Wind velocity (m. p. h.)	12	12	15	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		28.0		
36		Observed barometer reading		29.880		
37		Total correction		-.188		
38		Station pressure		29.69		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.86		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
• —	CONTD	0650	59
• —	7:12	7:45	
•	9:45	14:30	
•	1900	CONT.	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Scarce

8:00 a	1:00 p	5:00 p	60
90	95	80	
54.0 @ 1000 051 = 70%			
☐ Notes continued on reverse side			

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO Dec. 14, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1310 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	3NW	8W	1NW	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	W	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	7	6	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	7	6	1—	
10	V—VV	Visibility (miles and fractions)	7	10	25	
11	ww	Present weather	02	81,02	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	45.0	47.7	47.1	
14		Wet bulb temperature (t') (°F.)	43.0	44.1	43.1	
15		Difference (t—t')	2.0	3.6	4.0	
16	T_sT_s	Dew point (°F.)	41	40+2	39.3	
17	U	Relative humidity (%)	85	75	75	
18		Vapor pressure (inches)	.258	.248	.238	
19		Min. thermometer at observation	42.6	44.3	46.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	42.6 (12)	(24)		
21		Max. thermometer at observation	51.0	50.1	49.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0530	1000	1230	
25	RR	Total precipitation past 6 hours	.05	.04	T	
26	PPP	Sea-level pressure (mbs.)		1014.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	S	SW	W	
32	F	Wind velocity (m. p. h.)	5	10	12	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.5		
36		Observed barometer reading		29.960		
37		Total correction		-.184		
38		Station pressure		29.776		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		4.17		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.95		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

CONT. 0530

Character and intensity	Began	Ended	
⛈	815	900	59
⛈	1000	1230	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Sensing

800	1000	500	
90	82	80	60
50.1 @ 1000 DST = 70%			
☐ Notes continued on reverse side			

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA, CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO Dec. 15 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0730 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 5	5 5	1N	
3	C_M	Clouds, middle (type and direction)	3 x	3 x	1W	
4	C_H	Clouds, high (type and direction)	1 x	0	1W	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)			W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	5	1	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	8	9	8	
10	V—VV	Visibility (miles and fractions)	10	7	7	
11	ww	Present weather	02	02	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	42.0	44.9	45.9	
14		Wet bulb temperature (t') (°F.)	40.9	42.8	42.1	
15		Difference (t—t')	1.1	2.1	3.8	
16	T_sT_s	Dew point (°F.)	40	41	38-3	
17	U	Relative humidity (%)	92	85	73	
18		Vapor pressure (inches)	.248	.258	.229	
19		Min. thermometer at observation	41.2	41.5	44.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	47.1	46.0	45.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_s	Time of precipitation	—	—	—	
25	RR	Total precipitation past 6 hours	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1022.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	E	E	
32	F	Wind velocity (m. p. h.)	4	5	4	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.200		
37		Total correction		-.183		
38		Station pressure		30.017		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.19		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	KJS	KJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Sunset Sa 60
93
46.0 @ 1200 DST = 76%
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA

FROM CITY OFFICE (Month) (Day) (Year)

TO Dec. 16, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began ~~A~~ 75th Mer. Time	0710 LST	1210 LST	1610 DST	LST
2	C_L	Clouds, low (type and direction)	5SE	0	6SE	
3	C_M	Clouds, middle (type and direction)	X	2 S	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SE	S	SE	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	12	12	10	
11	ww	Present weather	03	03 61	03 61	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	43.1	46.8	45.4	
14		Wet bulb temperature (t') (°F.)	40.0	41.1	43.1	
15		Difference (t—t')	3.1	5.7	2.3	
16	T_sT_s	Dew point (°F.)	36	34	41 -3	
17	U	Relative humidity (%)	76	61	84	
18		Vapor pressure (inches)	.212	.176	.258	
19		Min. thermometer at observation	41.2	43.0	44.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	45.9	46.8	46.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	1155	1155	
25	RR	Total precipitation ~~past 6 hours~~	0	T	.24	
26	PPP	Sea-level pressure (mbs.)		1007.1		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	E	E	
32	F	Wind velocity (m. p. h.)	10	15	9	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.250		
37		Total correction		-.179		
38		Station pressure		29.571		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.74		
44		Time of filing (L. S. T.)				
45		Initials of observer	KJS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— •	1155	1640	59
— •	1750	6 DST	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

46.8 @ 1300 DST = 61%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
* #	* #	* #	* #	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26		13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29		30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Dec. 17 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5/NE	5 N.	0	
3	C_M	Clouds, middle (type and direction)		3 N	7 W	
4	C_H	Clouds, high (type and direction)			0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)		N	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest			4	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	5	4	
10	V—VV	Visibility (miles and fractions)	8	8	8	
11	ww	Present weather	03	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	42.4	48.0	48.5	
14		Wet bulb temperature (t') (°F.)	40.1	43.0	44.0	
15		Difference (t—t')	2.3	5.0	4.5	
16	T_sT_s	Dew point (°F.)	37	37	40	
17	U	Relative humidity (%)	82	66	70	
18		Vapor pressure (inches)	.220	.220	.248	
19		Min. thermometer at observation	40.7	42.0	46.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	46.8	48.0	49.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0234	—	—	
25	RR	Total precipitation ~~past 6 hours~~	.70	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	N	S	
32	F	Wind velocity (m. p. h.)	10	7	4	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		15.5		
36		Observed barometer reading		30.014		
37		Total correction		-.181		
38		Station pressure		29.833		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		+17		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.00		
44		Time of filing (L. S. T.)				
45		Initials of observer	JG	JG	JB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
— •	CONT.	0234	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

High 49 - 1600

Haze 70%

light frost in A.M.

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO Dec. 17 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	07 LST	12 LST	16 LST	LST
2	C_L	Clouds, low (type and direction)	5 NE	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NE	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	5	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	5	0	0	
10	V—VV	Visibility (miles and fractions)	15	20	25	
11	ww	Present weather	01	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.7	52.7	54.4	
14		Wet bulb temperature (t') (°F.)	43.9	45.1	47.1	
15		Difference (t—t')	2.8	7.6	7.3	
16	T_sT_s	Dew point (°F.)	41	37.3	40.3	
17	U	Relative humidity (%)	80	55	57	
18		Vapor pressure (inches)	.258	.220	.248	
19		Min. thermometer at observation	45.8	46.6	51.4	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	48.5	52.7	54.7	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1027.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	NE	N	
32	F	Wind velocity (m. p. h.)	3	4	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.350		
37		Total correction		-.184		
38		Station pressure		30.166		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.34		
44		Time of filing (L. S. T.)				
45		Initials of observer	1E	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26	13	17	4	27	28	16	5	20/22	—	8	10	—	23	24	25	—	29	30	—	33	34
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w w	V	h	N_h	D D	F	W	N	P P P	T T	U	C_H	a	p p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO Dec. 19 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 NW	0	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	NW	—	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	7	0	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	7	0	0	
10	V—VV	Visibility (miles and fractions)	7	10	12	
11	ww	Present weather	02	00	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	42.5	47.3	49.7	
14		Wet bulb temperature (t') (°F.)	41.4	44.2	45.1	
15		Difference (t—t')	1.1	3.1	4.6	
16	T_sT_s	Dew point (°F.)	40+2	41	40+2	
17	U	Relative humidity (%)	91	78	70	
18		Vapor pressure (inches)	.248	.258	.248	
19		Min. thermometer at observation	40.8	42.0	46.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	54.4	47.3	50.2	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1028.4		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	NW	NW	NW	
32	F	Wind velocity (m. p. h.)	8	8	9	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.386		
37		Total correction		-.184		
38		Station pressure		30.202		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.37		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16	5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began 120 th Mer. Time	0710 LST	1200 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5/E	5/E	0	
3	C_M	Clouds, middle (type and direction)		4/NNW	1W	
4	C_H	Clouds, high (type and direction)			9X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	E	NNW	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	6	1-	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	6	2	6	
10	V—VV	Visibility (miles and fractions)	2	7	8	
11	ww	Present weather	02,05,17	01,05,17	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	41.8	45.3	48.9	
14		Wet bulb temperature (t') (°F.)	40.3	41.9	44.5	
15		Difference (t—t')	1.5	3.4	4.4	
16	T_dT_d	Dew point (°F.)	39	39	40	
17	U	Relative humidity (%)	88	76	71	
18		Vapor pressure (inches)	.238	.229	.248	
19		Min. thermometer at observation	41.0	41.1	43.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	49.7	45.3	48.9	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1020.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	N	W	
32	F	Wind velocity (m. p. h.)	8	11	6	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.145		
37		Total correction		.183		
38		Station pressure		29.962		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.13		
44		Time of filing (L. S. T.)				
45		Initials of observer				

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO Dec. 30 1948 (Month) (Day) (Year)

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

Ft Smoke & Haze all day

49° at 2030

Humid 88%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31		32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA
CITY OFFICE

FROM (Month) (Day) (Year)
TO DEC. 21, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0 7M LST	12 13 LST	19 31 LST	LST
2	C_L	Clouds, low (type and direction)	0	0	0	
3	C_M	Clouds, middle (type and direction)	3W	3W	1W	
4	C_H	Clouds, high (type and direction)	X	1W	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	W	
6	b	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	3	2	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	3	2	
10	V—VV	Visibility (miles and fractions)	8	10	20	
11	ww	Present weather	03	01	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	43.7	46.0	50.5	
14		Wet bulb temperature (t') (°F.)	40.1	41.4	43.0	
15		Difference (t—t')	3.0	4.6	7.5	
16	T_sT_s	Dew point (°F.)	38+4	36	35	
17	U	Relative humidity (%)	77	68	53	
18		Vapor pressure (inches)	.212	.212	.204	
19		Min. thermometer at observation	41.7	42.4	45.1	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	49.4	46.0	53.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1019.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	NW	W	
32	F	Wind velocity (m. p. h.)	5	7	7	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.107		
37		Total correction		−.183		
38		Station pressure		29.924		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		+17		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.09		
44		Time of filing (L. S. T.)				
45		Initials of observer	FJ	JC	JD	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			18		17	4	27	28		16		5	20/22		—	8		10	—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM _____ (Month) (Day) (Year)

TO Dec. 22, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began (75th Mer. Time)	07/2 LST	12/0 LST	18/0 LST	LST
2	C_L	Clouds, low (type and direction)	0	1W	0	
3	C_M	Clouds, middle (type and direction)	1W	1W	1X	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	4	1	3	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	4	1	3	
10	V—VV	Visibility (miles and fractions)	10	12	12	
11	ww	Present weather	01	00	01	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	40.2	43.0	47.0	
14		Wet bulb temperature (t′) (°F.)	38.3	38.0	38.0	
15		Difference (t—t′)	1.9	5.0	9.0	
16	T_sT_s	Dew point (°F.)	36	31+2	27	
17	U	Relative humidity (%)	85	62	41	
18		Vapor pressure (inches)	.212	.172	.143	
19		Min. thermometer at observation	39.7	39.8	42.9	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	50.5	43.8	49.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1015.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	N	W	
32	F	Wind velocity (m. p. h.)	4	6	3	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		29.989		
37		Total correction		—.182		
38		Station pressure		29.807		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		+17		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.98		
44		Time of filing (L. S. T.)				
45		Initials of observer	FS	FS	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Light frost in morning 60

4@1500 40%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11		10	6	7	31		32	12	9	26			13		17	4	27		28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO Dec. 23 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5W	5W	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	1X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	W	W	X	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	3	1—	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	1	3	1—	
10	V—VV	Visibility (miles and fractions)	35	20	25	
11	ww	Present weather	00	01	00	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	40.0	44.3	46.0	
14		Wet bulb temperature (t') (°F.)	33.2	35.8	36.1	
15		Difference (t—t')	6.8	9.5	9.9	
16	T_sT_s	Dew point (°F.)	22	23	20	
17	U	Relative humidity (%)	46	40	33	
18		Vapor pressure (inches)	.113	.119	.103	
19		Min. thermometer at observation	39.1	39.3	42.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	47.1	44.3	46.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1016.9		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	S	SE	
32	F	Wind velocity (m. p. h.)	7	8	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.040		
37		Total correction		-.18.0		
38		Station pressure		29.860		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.03		
44		Time of filing (L. S. T.)				
45		Initials of observer	JB	DE	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

	75th Mer. Time	0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
	75th Mer. Time	1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

Light frost A.M. 60

46.0 @ 1700 DST = 33%

☐ Notes continued on reverse side

Rogers reported lt snow 4 J PRam

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM _____ (Month) _____ (Day) _____ (Year)

TO Dec. 24 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 75th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5 SW	5 SW	0	
3	C_M	Clouds, middle (type and direction)	4 X	X	10/2/SW	
4	C_H	Clouds, high (type and direction)	0	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	SW	SW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9+	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	25	20	30	
11	ww	Present weather	03	03	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	39.4	45.3	48.4	
14		Wet bulb temperature (t') (°F.)	34.8	39.2	42.0	
15		Difference (t—t')	4.6	6.1	6.4	
16	T_sT_s	Dew point (°F.)	29	31	34	
17	U	Relative humidity (%)	65	57	57	
18		Vapor pressure (inches)	.157	.172	.196	
19		Min. thermometer at observation	37.4	39.2	44.6	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	46.0	45.3	48.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1018.3		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SE	SE	
32	F	Wind velocity (m. p. h.)	9	11	16	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.086		
37		Total correction		—.183		
38		Station pressure		29.903		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)				
41		Sum (t_2 + t)		+17		
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.07		
44		Time of filing (L. S. T.)				
45		Initials of observer		FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
R—	1617	2000	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

	60
48.4 @ 1700 DST = 57%	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

46

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO DEC. 25 1949 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	0	5 W	5 SE	
3	C_M	Clouds, middle (type and direction)	2 X	2 X		
4	C_H	Clouds, high (type and direction)	X	X		
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	SE	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	1	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	15	10	10	
11	ww	Present weather	03,61	03,61	03,61	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	42.5	45.0	45.3	
14		Wet bulb temperature (t') (°F.)	38.0	42.0	42.0	
15		Difference (t—t')	4.5	3.0	3.3	
16	T_sT_s	Dew point (°F.)	32	38	38	
17	U	Relative humidity (%)	70	78	76	
18		Vapor pressure (inches)	.180	.229	.229	
19		Min. thermometer at observation	40.5	42.0	44.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	48.5	45.1	45.3	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0100(e)	0100(e)	1600	
25	RR	Total precipitation ~~past 6 hours~~	.19	.07	T	
26	PPP	Sea-level pressure (mbs.)		1010.2		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	SE	NE	
32	F	Wind velocity (m. p. h.)	3	22	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		75.0		
36		Observed barometer reading		29.842		
37		Total correction		-.179		
38		Station pressure		29.663		
39		Tmp. 12 hours previously (t_2)		+.17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.63		
44		Time of filing (L. S. T.)			20	
45		Initials of observer	JB	JB	JB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
Light Rain —	0100e	1330	
—	1600	Cont	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

45.3 at 1700 PST - 76.0%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.
*	*	*	*
#	#	#	#

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches.

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16	5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I I I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION ~~SAN FRANCISCO, CALIFORNIA~~ CITY OFFICE

FROM (Month) (Day) (Year)

TO Dec. 26 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0910 LST	1210 LST	1610 LST	— LST
2	C_L	Clouds, low (type and direction)	5E	5NE	6E	
3	C_M	Clouds, middle (type and direction)	2 X	2 X	X	
4	C_H	Clouds, high (type and direction)	X	X	X	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	E	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	5	3	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	10	10	
10	V—VV	Visibility (miles and fractions)	5	8	10	
11	ww	Present weather	03,64	03,64	03,61	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	43.5	43.1	45.0	
14		Wet bulb temperature (t') (°F.)	42.5	42.0	44.0	
15		Difference (t—t')	1.0	1.1	1.0	
16	T_dT_d	Dew point (°F.)	41	41	43	
17	U	Relative humidity (%)	93	92	92	
18		Vapor pressure (inches)	.258	.258	.278	
19		Min. thermometer at observation	43.2	43.1	43.0	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	50.5	44.1	45.0	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	1600	1600	1600	
25	RR	Total precipitation past ~~6 hours~~	.88	.41	.29	
26	PPP	Sea-level pressure (mbs.)		1008.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	N	NE	E	
32	F	Wind velocity (m. p. h.)	6	12	3	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.5		
36		Observed barometer reading		29.800		
37		Total correction		-186		
38		Station pressure		29.614		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		29.78		
44		Time of filing (L. S. T.)				
45		Initials of observer	JB	JB	JB	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
Rain —	Cont.	Cont.	59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

SPACES FOR CODING

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
46 1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO Dec. 27 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began/120th Mer. Time	7/2 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5/S	5 W	5 NW	
3	C_M	Clouds, middle (type and direction)	X	0	0	
4	C_H	Clouds, high (type and direction)	X	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	/S	W	NW	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	10	9+	8	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	9+	8	
10	V—VV	Visibility (miles and fractions)	.7	1.2	15	
11	ww	Present weather	53, 25	03	02	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	46.2	48.2	49.3	
14		Wet bulb temperature (t') (°F.)	45.0	44.8	46.0	
15		Difference (t—t')	1.2	3.4	3.3	
16	T_sT_s	Dew point (°F.)	44	41+2	43-3	
17	U	Relative humidity (%)	92	76	78	
18		Vapor pressure (inches)	.289	.258	.278	
19		Min. thermometer at observation	43.8	45.1	47.2	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	46.3	48.3	50.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	0630	0835		
25	RR	Total precipitation ~~past 6~~ hours	.44	.04*	0	
26	PPP	Sea-level pressure (mbs.)		1010.0		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SW	NW	NW	
32	F	Wind velocity (m. p. h.)	3	5	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.099		
37		Total correction		-.183		
38		Station pressure		29.916		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		47		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.09		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
-●	Cont'd	0630	59
—▽	0800	0835	
—▽	0850	0850	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

*T.B. OVER 1/2 FULL	60
50.6 @ 1600 DST = 70%	
☐ Notes continued on reverse side	

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
46 0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO Dec. 28, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5E	5E	0	
3	C_M	Clouds, middle (type and direction)	0	0	0	
4	C_H	Clouds, high (type and direction)	0	0	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	E	E	—	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9+	1−	0	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	1−	0	
10	V—VV	Visibility (miles and fractions)	3	6	6	
11	ww	Present weather	17,03	17,00	17,00	
12	W	Past weatber				
13	TT	Dry bulb temperature (t) (°F.)	43.2	46.4	48.3	
14		Wet bulb temperature (t') (°F.)	42.3	44.1	44.8	
15		Difference (t—t')	0.9	2.3	3.5	
16	T_sT_s	Dew point (°F.)	41+3	38+3	41+2	
17	U	Relative humidity (%)	93	73	76	
18		Vapor pressure (inches)	.258	.229	.258	
19		Min. thermometer at observation	42.3	42.6	45.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	49.7	48.8	49.6	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1029.5		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	N	N	
32	F	Wind velocity (m. p. h.)	3	6	8	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.413		
37		Total correction		−.184		
38		Station pressure		30.229		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.40		
44		Time of filing (L. S. T.)				
45		Initials of observer	I.E.	F.J.S.	F.J.S.	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

K+ DNA-1820 60

49.6 @ 1645 DST = 71.9°

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	
*	*	*	*	61
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 — UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU — (874) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO Dec. 2 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	GF/SE	0	5W	
3	C_M	Clouds, middle (type and direction)		0	0	
4	C_H	Clouds, high (type and direction)	61X	1X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	6	3	9+	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	10	3	9+	
10	V—VV	Visibility (miles and fractions)	1 1/2	3	4	
11	ww	Present weather	03.05.08	17.01	17.03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	41.7	48.2	49.3	
14		Wet bulb temperature (t') (°F.)	41.1	45.2	45.2	
15		Difference (t—t')	.6	3.0	4.1	
16	T_sT_s	Dew point (°F.)	40+	42+2	41	
17	U	Relative humidity (%)	95	79	73	
18		Vapor pressure (inches)	.248	.268	.258	
19		Min. thermometer at observation	41.2	41.5	46.3	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	48.7	48.2	52.5	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—	—	
25	RR	Total precipitation ~~past 6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1028.8		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	E	N	
32	F	Wind velocity (m. p. h.)	4	3	5	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		77.0		
36		Observed barometer reading		30.392		
37		Total correction		-187		
38		Station pressure		30.205		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.38		
44		Time of filing (L. S. T.)				
45		Initials of observer	E	FJS	FJS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53
75th Mer. Time		**1630 E.S.T.**	**1930 E.S.T.**	**2230 E.S.T.**	**0130 E.S.T.**	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t''	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

GF B 2000 — 1030 60
K-4 B 30@ — 1900
52.5 @ 1545 DST = 80%
☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28		16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO Dec. 30 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 12th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	5N	0		
3	C_M	Clouds, middle (type and direction)	7X	7X	0	
4	C_H	Clouds, high (type and direction)	1X	1X	0	
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	X	X	1W	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	1	4	9+	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	6	8	9+	
10	V—VV	Visibility (miles and fractions)	1V	15	10	
11	ww	Present weather	02	02	03	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	45.5	48.8	50.1	
14		Wet bulb temperature (t′) (°F.)	43.0	43.3	44.8	
15		Difference (t—t′)	2.5	5.5	5.3	
16	T_sT_s	Dew point (°F.)	40	37.2	39	
17	U	Relative humidity (%)	82	64	65	
18		Vapor pressure (inches)	.248	.220	.238	
19		Min. thermometer at observation	43.1	43.9	47.8	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	50.0	48.8	51.4	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—	—		
25	RR	Total precipitation past ~~6 hours~~	0	0	0	
26	PPP	Sea-level pressure (mbs.)		1023.6		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	E	E	N	
32	F	Wind velocity (m. p. h.)	3	6	10	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.194		
37		Total correction		.189		
38		Station pressure		30.011		
39		Tmp. 12 hours previously (t_2)		+17		
40		Current temperature (t)				
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.18		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	FS	FS	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

75th Mer. Time		1630 E.S.T.	1930 E.S.T.	2230 E.S.T.	0130 E.S.T.	
t	Current temperature °F					47
t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
—	Sum of (47), (48), and (49)					50
t″	One-third of (50) (whole degrees)					51
c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	
			59
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

60

51.4 @ 14:30 DST = 65%

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_s	T_s	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

46

WB Form 1083 UNITED STATES DEPARTMENT OF COMMERCE, WEATHER BUREAU (374) (Revised July 1, 1947)

ORIGINAL RECORD OF 6-HOURLY SYNOPTIC OBSERVATIONS

Entries on this form are for the 24-hour period beginning 0131 E. S. T. (0631 G. M. T.) of one day and ending 0130 E. S. T. (0630 G. M. T.) of the following day.

STATION SAN FRANCISCO, CALIFORNIA CITY OFFICE

FROM (Month) (Day) (Year)

TO Dec. 31, 1948 (Month) (Day) (Year)

		75th Meridian Time	0730 E.S.T.	1330 E.S.T.	1930 E.S.T.	0130 E.S.T.
1		Obser'tion began, 120th Mer. Time	0710 LST	1210 LST	1610 LST	LST
2	C_L	Clouds, low (type and direction)	9+ [illegible]	5/V	5/SE	
3	C_M	Clouds, middle (type and direction)	x	x		
4	C_H	Clouds, high (type and direction)	x	x		
5	D_C	Clouds, direction (C_M, or C_H, or C_L)	SE	SE	SE	
6	h	Clouds, height of lowest				
7	N_h	Clouds, amount of lowest	9+	10	10	
8	h_ch_c	Ceiling				
9	N	Total amount of all clouds	9+	10	10	
10	V—VV	Visibility (miles and fractions)	3	1	3/4	
11	ww	Present weather	03,08	03,08	03,08	
12	W	Past weather				
13	TT	Dry bulb temperature (t) (°F.)	42.5	42.9	47.7	
14		Wet bulb temperature (t') (°F.)	41.0	42.2	47.0	
15		Difference (t—t')	1.5	.7	.7	
16	T_aT_a	Dew point (°F.)	39	41.4	46	
17	U	Relative humidity (%)	89	94	95	
18		Vapor pressure (inches)	.238	.258	.312	
19		Min. thermometer at observation	41.1	41.8	42.7	
20	T_nT_n	Lowest tmp. past 12 or 24 hours	(12)	(24)		
21		Max. thermometer at observation	51.2	44.0	47.8	
22	T_xT_x	Highest tmp. past 12 or 24 hours			(12)	(24)
23	R_s	Depth of snow on ground				
24	R_t	Time of precipitation	—			
25	RR	Total precipitation past ~~6 hours~~	0	T	.05	
26	PPP	Sea-level pressure (mbs.)		1020.7		
27	a	3-hour pressure characteristic				
28	pp	3-hour pressure change				
29	hhh	Height 850-mb. surface				
30	a_3	Pressure characteristic for 3-hour period ending 3 hours ago				
31	DD	Wind direction	SE	SE	SE	
32	F	Wind velocity (m. p. h.)	6	7	6	
33	S_PS_P	Special phenomenon, general data				
34	s_ps_p	Special phenomenon, detailed data				
35	COMPUTATION OF SEA-LEVEL PRESSURE	Attached thermometer reading		76.0		
36		Observed barometer reading		30.149		
37		Total correction		-.183		
38		Station pressure		29.966		
39		Tmp. 12 hours previously (t_2)				
40		Current temperature (t)		+.17		
41		Sum (t_2 + t)				
42		Mean (Sum ÷ 2)				
43		Sea-level pressure (inches)		30.14		
44		Time of filing (L. S. T.)				
45		Initials of observer	[illegible]	[illegible]	[illegible]	

CONSTANT PRESSURE SURFACE COMPUTATIONS

Height of 850-mb. surface above sea level

(Enter (47) to (50) to tenths)

75th Mer. Time		0430 E.S.T.	0730 E.S.T.	1030 E.S.T.	1330 E.S.T.	
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t	Same as (47)					48
t_{-6}	Temperature 6 hrs. previously °F					49
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t_{mv}	Algebraic sum of (51) and (52)					53

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t	Current temperature °F					47
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c	Correction from Table 9					52
t_{mv}	Algebraic sum of (51) and (52)					53

THUNDERSTORM AND PRECIPITATION NOTES (L. S. T.)

Character and intensity	Began	Ended	59
DRIZZLE — —9	0920	1330	
—V	1330	2130	
☐ Notes continued on reverse side			

MISCELLANEOUS NOTES (L. S. T.)

(Fog, haze, smoke, dust, glaze, frost, tornados, lightning, halos, special phenomena, unusual phenomena, etc.)

LT FOG DNA — 2010 60

44°929% at 1130 PST

☐ Notes continued on reverse side

0730 E. S. T.	1330 E. S. T.	1930 E. S. T.	0130 E. S. T.	61
*	*	*	*	
#	#	#	#	

Total precipitation 0731 E. _____ to 0730 E. _____ ; _____ inches. 62

SPACES FOR CODING

Line numbers →	2	3	11	10	6	7	31	32	12	9	26			13		17	4	27	28	16		5	20/22		—	8		10		—	23	24	25		—	29			30	—	33		34	
0730 E. S. T. (1230 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_a	T_a	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1330 E. S. T. (1830 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_a	T_a	D_C	T_n	T_n	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
1930 E. S. T. (0030 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_a	T_a	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p
0130 E. S. T. (0630 G. M. T.)	I	I	I	C_L	C_M	w	w	V	h	N_h	D	D	F	W	N	P	P	P	T	T	U	C_H	a	p	p	T_a	T_a	D_C	T_x	T_x	7	h_c	h_c	V	V	8	R_s	R_t	R	R	9	h	h	h	a_3	0	S_P	S_P	s_p	s_p

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