WB Form 1030

W.B.O., San Francisco, 4-2-47—300

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

MONTHLY METEOROLOGICAL SUMMARY

120th Meridian Time

SAN FRANCISCO, CALIFORNIA

City Office: 557 Federal Office Bldg. / 50 Fulton Street

Prepared Under Direction of
C. E. NORQUEST, Senior Meteorologist

March 1947

Airport Station: San Francisco Airport / One mile east of San Bruno

March was somewhat warmer and more cloudy than usual. The maximum temperature of 75.7° on the 14th was the highest so far this year. Sunshine and wind movement were less than average for this month.

There were four stormy periods, the heaviest on the 27th to the 29th, netting 1.88 inches, and bringing the monthly total ½ inch over normal. However seasonal precipitation remains more than 6.00 inches less than normal.

Date	TEMPERATURE (°F.) City Office Maximum	City Office Minimum	City Office Mean	City Office Departure from normal	City Office Degree days	Airport Maximum	Airport Minimum	Airport Mean	Airport Departure from normal	Airport Degree days	PRECIPITATION City Office Total inches, mid. to mid.	PRECIPITATION Airport Total inches, mid. to mid.	*WIND City Office Max. velocity, mph (for 5 min) and direction	*WIND City Office Average hourly velocity, mph	WEATHER City Office Percentage of sunshine	Standard times of Sunrise	Standard times of Sunset	Average cloudiness (scale 0 to 10)	Date
1	59	50	54	0	11	59	50	54	+ 4	11	.41	.41	20 sw.	9.4	0	6:43	6:03	10	1
s2	59	52	56	+ 2	9	60	52	56	+ 6	9	0	T.	17 s.	11.5	82	6:41	6:04	4	2
3	57	49	53	− 1	12	58	48	53	+ 2	12	.63	.56	19 sw.	11.8	41	6:40	6:05	8	3
4	55	48	52	− 2	13	55	44	50	− 1	15	0	.03	20 w.	7.7	47	6:38	6:06	6	4
5	61	46	54	0	11	58	37	48	− 3	17	0	0	17 w.	6.3	100	6:37	6:07	0	5
6	61	46	54	0	11	59	37	48	− 3	17	0	0	21 w.	7.5	51	6:36	6:08	8	6
7	56	49	52	− 2	13	58	46	52	+ 1	13	.02	T.	17 s.	9.7	8	6:34	6:09	10	7
8	55	49	52	− 2	13	57	45	51	0	14	.03	.09	14 se.	6.7	3	6:33	6:10	10	8
s9	57	50	54	0	11	56	46	51	0	14	.27	.30	19 sw.	7.3	0	6:31	6:11	10	9
10	59	51	55	+ 1	10	59	52	56	+ 5	9	.35	.34	17 sw.	10.4	2	6:30	6:12	10	10
11	61	50	56	+ 2	9	59	47	53	+ 2	12	0	0	14 w.	7.3	100	6:27	6:13	1	11
12	70	49	60	+ 6	5	70	40	55	+ 4	10	0	0	11 w.	5.0	92	6:26	6:14	2	12
13	73	52	62	+ 8	3	74	47	60	+ 9	5	0	0	9 nw.	4.7	100	6:24	6:15	0	13
14	76	54	65	+11	0	79	48	64	+13	1	0	0	14 w.	4.7	100	6:23	6:16	0	14
15	64	51	58	+ 4	7	68	46	57	+ 5	8	0	0	21 w.	9.5	84	6:22	6:17	7	15
s16	58	50	54	0	11	56	48	52	0	13	0	0	15 w.	8.8	38	6:20	6:18	9	16
17	57	50	54	0	11	54	50	52	0	13	0	T.	25 w.	12.3	13	6:19	6:19	9	17
18	55	50	52	− 2	13	55	50	52	0	13	0	T.	23 w.	13.2	17	6:17	6:20	9	18
19	58	51	54	0	11	57	48	52	0	13	0	0	14 w.	8.9	40	6:16	6:21	8	19
20	63	50	56	+ 2	9	63	51	57	+ 5	8	0	T.	19 w.	8.2	67	6:14	6:22	2	20
21	55	49	52	− 2	13	58	49	54	+ 2	11	T.	T.	15 w.	7.6	0	6:13	6:23	10	21
22	55	51	53	− 1	12	58	48	53	+ 1	12	.04	.01	15 w.	9.7	0	6:10	6:24	10	22
s23	58	49	54	0	11	58	46	52	0	13	0	T.	17 w.	9.1	90	6:09	6:25	2	23
24	69	48	58	+ 4	7	68	42	55	+ 3	10	0	0	14 se.	6.5	82	6:08	6:25	9	24
25	70	55	62	+ 8	3	71	49	60	+ 8	5	0	0	12 nw.	6.0	44	6:07	6:26	9	25
26	73	54	64	+10	1	75	48	62	+10	3	0	0	17 w.	7.5	76	6:05	6:27	4	26
27	61	53	57	+ 2	8	60	52	56	+ 4	9	1.50	.94	13 e.	6.1	4	6:04	6:28	10	27
28	61	55	58	+ 3	7	63	55	59	+ 7	6	.12	.05	17 s.	10.5	16	6:02	6:29	9	28
29	64	53	58	+ 3	7	64	52	58	+ 6	7	.24	.25	21 sw.	11.3	22	6:01	6:30	10	29
s30	62	54	58	+ 3	7	63	53	58	+ 6	7	0	T.	14 sw.	9.6	51	5:59	6:31	8	30
31	60	51	56	+ 1	9	59	46	52	0	13	0	0	18 w.	9.5	85	5:57	6:32	6	31
Mean	61.4	50.6	56.0	+1.8	§278	61.6	47.5	54.6	+3.2	§323	§3.64	§2.98	.....	8.5	47	.....	.....	6.8	Mean
Normal	60.1	48.2	54.2	.....	§314	.....	.....	51.4	.....	.....	§3.14	§2.90	.....	8.6	64	.....	.....	5.3	Normal

DATA BELOW are for CITY OFFICE EXCEPT PRESSURE AND FLYING WEATHER which are for SAN FRANCISCO AIRPORT

Atmospheric Pressure (Airport)
(Reduced to sea-level: inches)

Mean 30.05
Highest ..... 30.35; date, 23
Lowest ..... 29.81; date, 3

Temperature

Highest ..... 76; date, 14
Lowest ..... 46; date, 5
Greatest daily range ..... 22; date, 14
Accumulated excess (+) or deficiency (−) since January 1 ..... +3
Average daily excess (+) or deficiency (−) since January 1 ..... 0.0
Highest this month since 1871 .. 86; date, 18, 1914
Lowest this month since 1871.... 33; date, 3, 1896

Notes

§ Sum.
T. Trace, .005 inch or less.
* All wind velocities are true values.
† Also other dates.
s Opposite date indicates Sunday.
‡ Less than one-half.

* Wind

Direction	n.	ne.	e.	se.
Aver. hrly. vel.	5.4	5.4	6.1	6.5
% of hours	10	2	6	5

Direction	s.	sw.	w.	nw.	calm
Aver. hrly. vel.	8.6	9.8	9.7	6.0	1.0
% of hours	11	20	42	4	0

Average hourly velocity (mph) 8.5
Prevailing direction ..... west
Total movement for the month (miles) 6340
Aver. hrly. vel. (mph) (1890-1946) 8.6
Prevailing direction (1890-1946) ..... west

Weather (Number of days)

	This month	(1885-1946)
Clear (scale, 0 to 3)	7	12
Pt. cloudy (scale, 4 to 7)	5	9
Cloudy (scale, 8 to 10)	19	10

	This month	*(1871-1946)*
0.01 in. or more precip.	10	10
0.25 in. or more precip.	5	4

Greatest number of days this month with 0.01 in. or more of precipitation ..... 20; year, 1915
Sunshine, hours: this month 174.0; possible 370.7

Flying Weather (Airport)

Hours ceiling below 500 ft. and/or visibility less than 1 mile (from record observations) ..... 2 hrs.

Frost (1897-1945)

Average date last killing frost in spring...Jan. 10
Latest date last killing frost in spring.....Mar. 27
Average date first killing frost in autumn. Dec. 28
Earliest date first killing frost in autumn..Dec. 4

Miscellaneous Phenomena
(Dates of)

Frosts: Light 0
Heavy 0
Killing 0
Auroras 0
Halos: Solar 0
Lunar 0
Hail 0
Sleet 0
Heavy fog 0
Thunderstorms 0

San Francisco, California (*city office*) MARCH 1947

PRECIPITATION

Date	Hourly Amounts A. M. 1	2	3	4	5	6	7	8	9	10	11	12	P. M. 1	2	3	4	5	6	7	8	9	10	11	12	Total
1	.....	.....	.01	.01	T.	.02	.08	.09	.01	.01	T.	T.	T.	T.	T.	T.	.03	.10	.04	.01	T.	.....	.....	.....	0.41
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
3	.....	.....	.02	.21	.15	T.	T.	.01	.....	.....	.....	.....	.02	.....	.....	.....	T.	.05	.07	.04	.03	.03	.....	.....	0.63
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	T.	.....	.01	.01	.....	.....	.....	.....	.....	.....	.....	.....	0.02
8	.....	T.	.02	T.	.....	.....	.....	.....	.....	T.	T.	T.	.01	T.	T.	.....	.....	T.	T.	T.	.....	.....	.....	.....	0.03
9	.....	.....	.....	.....	.....	.....	.....	.....	.01	T.	.....	.02	.01	.....	.....	.....	.....	.06	T.	.03	T.	.02	.11	.02	0.28
10	.03	.02	.10	.01	.03	.11	.03	.01	T.	T.	.01	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.35
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
21	.....	.....	T.	T.	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.
22	.....	.....	.....	.....	.....	.....	.....	.....	T.	T.	T.	T.	T.	T.	T.	T.	.01	.02	T.	T.	.01	.....	.....	.....	0.04
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
27	.....	.....	.....	.....	.02	.01	.01	.01	.02	.01	T.	.01	.02	.....	.01	.....	.01	T.	.03	.04	.11	.10	.49	.62	1.52
28	.09	T.	T.	T.	.01	T.	.02	T.	.....	.....	.....	T.	T.	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.12
29	.....	.....	.....	.01	.....	.....	.....	T.	.03	T.	T.	.....	.....	.....	.02	.02	.03	.11	.02	.....	.....	.....	.....	.....	0.24
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
Total	0.12	0.02	0.15	0.24	0.21	0.14	0.14	0.12	0.07	0.02	0.01	0.03	0.06	T.	0.04	0.03	0.08	0.34	0.16	0.12	0.15	0.15	0.60	0.64	3.64

Greatest in–	This month	Years 1906-1946
5 minutes	0.23; date, 27	0.25; date, 5, 1912
10 minutes	0.40; date, 27	0.40; date, 27, 1947
15 minutes	0.51; date, 27	0.59; date, 5, 1912
30 minutes	0.76; date, 27	0.83; date, 5, 1912
1 hour	1.01; date, 27	1.07; date, 5, 1912
2 hours	1.15; date, 27	1.24; date, 5, 1912
		Years 1871-1946
24 hours	1.61; date, 27-28	3.65; date, 29-30, 1940

† Also other dates.

Excess (+) or deficiency (−) this month as compared with normal.	+0.50
Seasonal precipitation, since July 1	13.41
Accumulated excess (+) or deficiency (−) since July 1,	−6.02
Seasonal precipitation, since September 1,	13.35
Accumulated excess (+) or deficiency (−) since Sept. 1,	−6.05
Annual precipitation, since January 1,	7.64
Accumulated excess (+) or deficiency (−) since January 1,	−3.89
Greatest snowfall in 24 hours	0.0
Greatest snowfall in 24 hours this month since 1871 (March 3, 1896)	1.0
Greatest total snowfall this month since 1871 (1896)	1.0

PSYCHROMETRIC DATA

Date	City Office Local noon Dry bulb	Wet bulb	Dew point	Relative humidity	Airport 4:30 a. m. Dry bulb	Wet bulb	Dew point	Relative humidity	10:30 a. m. Dry bulb	Wet bulb	Dew point	Relative humidity	4:30 p. m. Dry bulb	Wet bulb	Dew point	Relative humidity	10:30 p. m. Dry bulb	Wet bulb	Dew point	Relative humidity	Date
1	53.2	52.0	51	92	52.9	50.8	49	87	52.0	51.0	50	94	56.4	54.0	52	86	56.1	53.0	51	82	1
2	57.0	52.0	48	72	53.0	50.1	48	82	58.1	51.6	46	65	57.0	52.0	48	72	54.0	50.0	46	76	2
3	56.0	51.4	47	73	52.4	50.9	50	91	53.0	49.0	45	75	56.0	51.0	47	71	50.0	48.0	46	87	3
4	52.8	48.2	44	72	46.8	46.0	45	94	50.6	48.0	46	83	52.1	46.5	41	64	48.0	46.0	44	86	4
5	56.2	45.0	32	39	43.0	41.2	39	86	53.0	44.1	33	47	55.0	48.0	41	60	48.5	46.5	45	87	5
6	60.7	48.2	35	38	41.6	40.6	39	92	52.0	47.9	44	74	53.0	49.0	45	75	50.0	47.0	44	80	6
7	52.7	51.0	50	90	48.7	45.2	42	77	52.8	49.3	46	79	53.0	49.9	47	81	51.0	48.9	47	87	7
8	54.0	50.8	48	80	49.9	48.8	48	92	55.5	51.0	47	74	55.9	51.2	47	73	51.9	51.0	50	94	8
9	53.0	51.4	50	89	46.9	45.0	43	87	55.0	52.0	50	82	56.1	53.2	51	83	56.0	54.5	53	91	9
10	58.0	55.0	53	83	56.0	54.2	53	90	55.7	54.8	54	95	57.0	54.0	52	82	52.6	51.4	50	92	10
11	57.7	49.5	42	55	50.5	49.0	48	89	54.1	48.2	42	64	56.8	51.9	48	72	49.2	46.8	44	81	11
12	66.1	53.0	43	44	44.0	43.0	42	92	56.2	53.0	50	81	64.8	55.0	47	53	55.9	49.0	43	61	12
13	69.7	58.1	50	48	51.0	49.4	48	90	64.0	56.0	50	61	74.0	59.0	48	40	58.0	53.0	49	72	13
14	71.2	57.2	46	41	49.1	46.9	45	86	59.0	54.0	50	72	76.1	60.0	49	38	55.5	52.0	49	79	14
15	59.2	55.0	52	77	48.6	47.5	47	98	60.6	56.1	53	76	57.5	55.0	53	86	50.0	49.0	48	93	15
16	53.5	51.4	50	88	50.4	48.8	47	89	54.2	52.0	50	87	52.7	51.0	50	90	50.7	49.3	48	91	16
17	55.0	51.5	49	78	50.5	49.2	48	91	52.0	50.0	48	87	51.9	50.0	48	88	51.0	49.0	47	87	17
18	54.2	49.7	45	73	51.0	49.0	47	87	52.0	49.0	46	81	52.9	51.2	50	90	51.2	48.8	47	84	18
19	56.6	51.8	48	73	48.2	47.0	46	92	53.0	49.6	47	79	55.0	51.7	49	80	51.5	49.9	49	90	19
20	63.0	56.0	51	65	51.1	49.2	48	88	61.0	55.0	50	69	55.5	53.0	51	86	52.0	50.2	49	88	20
21	54.0	51.3	49	83	49.8	49.0	48	95	53.0	51.0	49	87	54.0	51.5	50	84	52.0	49.0	46	81	21
22	54.2	52.8	52	89	52.0	50.0	48	87	55.0	52.0	50	82	56.0	54.0	53	88	52.0	51.0	50	94	22
23	57.7	51.1	45	63	50.8	48.8	47	87	56.0	51.0	47	71	56.2	50.0	44	65	49.0	47.0	45	86	23
24	62.2	51.7	42	47	45.0	44.0	43	93	57.0	49.0	41	56	67.2	52.9	40	37	54.0	49.1	45	73	24
25	66.9	55.0	45	45	51.6	46.2	41	66	64.5	53.0	43	46	68.0	56.0	47	46	54.2	51.0	48	81	25
26	73.1	58.0	46	38	52.1	49.8	48	85	62.2	57.7	55	78	65.6	51.1	37	34	56.9	47.1	37	47	26
27	56.4	52.6	50	78	53.5	51.0	49	85	55.4	52.0	49	80	59.9	56.0	53	79	56.9	56.1	56	95	27
28	59.7	55.0	52	75	56.0	53.9	52	88	59.0	54.8	52	76	61.0	56.0	52	73	56.0	52.1	49	78	28
29	62.5	54.3	48	59	55.0	53.0	52	88	59.0	56.0	54	83	57.0	54.0	52	83	53.0	50.9	49	87	29
30	60.0	54.4	50	69	55.0	52.3	50	84	58.0	54.0	51	77	59.2	54.0	50	71	54.6	52.4	51	86	30
31	58.7	50.8	44	69	50.0	48.8	48	92	57.0	52.0	48	72	56.3	51.0	46	70	51.8	49.4	47	85	31
Mean	59.0	52.4	47	67	50.2	48.3	47	88	56.1	51.7	48	75	58.4	52.7	48	71	52.7	49.9	48	83	Mean
Normal	59.2	51.8	44	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Normal

Ceiling and Visibility Frequencies for March 1947

(Based on Hourly Record Observations)

Weather Bureau Airport Stations

Ca

SAN FRANCISCO AIRPORT

Visibility (miles)	CEILING (feet) 0	100–200	300–400	500–900	1000–1900	2000–2900	3000–4900	5000–9500	Over 9500	Total
0 to 1/8	0	0	0	0	0	0	0	0	0	0
3/16 to 3/8	0	0	0	0	0	0	0	0	0	0
1/2 to 3/4	0	0	0	0	0	0	0	0	0	0
1 to 2 1/2	0	0	1	4	4	1	0	0	6	16
3 to 6	0	0	1	33	16	6	2	3	84	145
7 to 15	0	0	0	32	88	62	31	40	209	462
20 to 30	0	0	0	0	2	22	10	3	84	121
35 or more	0	0	0	0	0	0	0	0	0	0
Total	0	0	2	69	110	91	43	46	383	744

OAKLAND AIRPORT

Visibility (miles)	CEILING (feet) 0	100–200	300–400	500–900	1000–1900	2000–2900	3000–4900	5000–9500	Over 9500	Total
0 to 1/8	0	0	0	0	0	0	0	0	0	0
3/16 to 3/8	0	0	0	0	0	0	0	0	0	0
1/2 to 3/4	0	0	0	0	0	0	0	0	0	0
1 to 2 1/2	0	0	0	8	3	0	1	1	6	19
3 to 6	0	0	0	20	28	7	4	3	107	169
7 to 15	0	0	0	19	105	69	36	37	225	491
20 to 30	0	0	0	0	0	6	3	6	50	65
35 or more	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	47	136	82	44	47	388	744

COMPARATIVE DATA FOR THIS MONTH FROM THE RECORDS OF PREVIOUS YEARS

SAN FRANCISCO CITY OFFICE

	Temperature Mean	Highest	Lowest	Precipitation Total	Greatest in 24 Hours		Temperature Mean	Highest	Lowest	Precipitation Total	Greatest in 24 Hours		Temperature Mean	Highest	Lowest	Precipitation Total	Greatest in 24 Hours		Temperature Mean	Highest	Lowest	Precipitation Total	Greatest in 24 Hours
1871	51.3	74	45	1.31	0.57	1891	55.0	76	43	1.96	0.68	1911	49.2	79	42	4.57	1.98	1931	59.0	76	48	1.68	0.96
1872	54.3	64	48	1.59	0.73	1892	54.2	80	42	2.85	0.90	1912	52.4	67	43	4.10	2.09	1932	57.1	77	45	0.86	0.62
1873	54.5	73	45	0.79	0.54	1893	51.2	78	40	4.08	0.98	1913	52.6	77	40	1.47	0.67	1933	55.4	73	44	2.93	0.90
1874	50.9	62	42	3.36	0.65	1894	50.6	66	37	0.60	0.34	1914	58.4	86	43	1.09	0.98	1934	60.6	81	49	0.07	0.07
1875	51.8	67	42	1.30	0.45	1895	52.2	70	40	1.89	0.67	1915	57.9	81	46	3.02	1.91	1935	52.6	76	41	2.31	0.86
1876	53.2	70	41	5.49	1.59	1896	54.3	72	33	2.85	0.84	1916	56.6	77	44	1.33	0.65	1936	57.4	77	42	1.01	0.74
1877	57.2	73	47	1.08	0.56	1897	48.9	63	39	4.56	1.42	1917	51.7	72	41	1.42	0.68	1937	54.8	76	44	7.05	1.92
1878	55.9	66	46	4.66	1.01	1898	51.2	74	40	0.24	0.13	1918	54.9	78	40	2.73	0.75	1938	52.8	70	43	5.73	0.96
1879	57.2	77	47	8.75	3.31	1899	52.2	74	42	7.61	2.15	1919	52.6	67	40	2.74	1.12	1939	52.8	79	44	2.62	1.86
1880	49.4	66	39	2.08	0.57	1900	55.2	71	43	1.91	0.90	1920	52.6	69	41	3.25	0.95	1940	57.4	72	47	5.32	3.65
1881	54.4	76	40	0.90	0.69	1901	55.8	78	44	0.80	0.67	1921	54.6	73	45	2.28	0.74	1941	58.4	75	48	4.75	2.22
1882	53.4	73	41	3.45	0.86	1902	51.6	68	41	2.65	0.80	1922	52.4	69	35	2.38	0.88	1942	55.2	73	38	2.62	1.21
1883	54.0	74	44	3.01	1.63	1903	52.2	64	41	6.23	1.30	1923	56.8	84	44	0.03	0.02	1943	55.6	70	45	3.18	0.68
1884	54.5	68	45	8.24	2.21	1904	51.8	66	40	6.01	1.32	1924	54.5	72	43	1.96	1.19	1944	55.8	73	44	0.83	0.46
1885	57.7	76	50	1.01	0.55	1905	57.0	79	43	3.15	1.21	1925	55.4	79	43	2.63	1.77	1945	51.8	72	43	4.15	0.93
1886	53.6	73	41	2.07	0.65	1906	54.0	74	41	5.02	1.37	1926	60.6	83	49	0.25	0.23	1946	53.2	73	42	2.34	0.77
1887	55.8	78	45	0.84	0.52	1907	51.0	69	38	8.42	1.82	1927	54.2	76	44	2.19	0.58	1947	56.0	76	46	3.64	1.61
1888	53.4	74	38	3.60	1.34	1908	54.8	76	40	0.90	0.41	1928	58.2	77	47	4.65	2.01	.....	....	..	..	....	....
1889	57.2	79	47	7.78	3.08	1909	51.8	67	41	8.27	1.16	1929	54.2	81	43	1.56	0.82	.....	....	..	..	....	....
1890	53.8	70	41	4.73	1.86	1910	54.9	77	44	3.78	1.17	1930	57.4	82	44	3.53	1.68	.....	....	..	..	....	....

Extremes in comparative table in **bold face** type.

LOCATION OF STATIONS AND INSTRUMENTS

	CITY OFFICE	AIRPORT
Latitude	37° 47′ N.	37° 37′ N.
Longitude	122° 25′ W.	122° 23′ W.
Elevation of ground	52 feet above sea level	1 foot above sea level
Elevation of rain gage	104 feet above ground	38 feet above ground
Elevation of wind instruments	132 feet above ground	70 feet above ground
Elevation of thermometers	112 feet above ground	37 feet above ground

Ca

SUPPLEMENTARY DATA FOR SAN FRANCISCO AIRPORT STATION

Date	Prevailing wind direction	Maximum velocity (mph) and direction from §	Peak gusts recorded			Hours of fog per day		Average cloudiness (scale 0-10)
			Velocity (m.p.h.)	Direction from	Time (P. M. in bold face)	Light (and moderate)	Heavy	
1	se.	32 sw.	38	sw.	3:46	5	..	10
2	w.	29 wsw.	32	wsw.	12:14	..	..	3
3	w.	39 sw.	47	sw.	4:44	..	..	7
4	nw.	30 wnw.	32	wnw.	3:16	..	..	2
5	w.	19 wnw.	..	.....	.....	..	..	0
6	w.	25 wnw.	..	.....	.....	..	..	7
7	w.	23 wsw.	..	.....	.....	..	..	9
8	sw.	19 sw.	21	sw.	4:36	1	..	7
9	sw.	27 wsw.	28	sw.	9:40	..	..	10
10	w.	28 wsw.	29	wsw.	2:46	2	..	10
11	nw.	23 wnw.	..	.....	.....	..	..	1
12	nw.	18 wnw.	..	.....	.....	..	..	2
13	nw.	15 wnw.	..	.....	.....	..	..	0
14	nw.	17 wnw.	..	.....	.....	..	..	0
15	nw.	22 nw.	..	.....	.....	..	..	6
16	nw.	25 wnw.	..	.....	.....	4	..	10
17	w.	35 wnw.	37	wnw.	10:50	..	..	10
18	w.	32 wnw.	36	wnw.	11:11	..	..	10
19	w.	19 wnw.	..	.....	.....	..	..	8
20	nw.	27 wnw.	..	.....	.....	..	..	4
21	w.	20 w.	..	.....	.....	6	..	6
22	w.	22 w.	..	.....	.....	1	..	10
23	nw.	23 wnw.	..	.....	.....	..	..	4
24	se.	18 ene.	..	.....	.....	..	..	7
25	w.	9 wnw.	..	.....	.....	..	..	9
26	nw.	28 wsw.	..	.....	.....	..	..	3
27	se.	21 e.	..	.....	.....	..	..	10
28	sw.	30 ssw.	33	ssw.	8:56	..	..	7
29	sw.	37 ssw.	43	ssw.	2:05	..	..	10
30	w.	22 sw.	23	sw.	1:18	..	..	7
31	w.	25 w.	..	.....	.....	..	..	6

TEMPERATURE

Highest temperature ..... 79, date, 14
Lowest temperature ..... 37, date, 5
Greatest daily range ..... 31, date, 14

WIND

Average hourly wind velocity (mph) 10.5
Prevailing wind direction ..... w.
Total movement (from dial readings) (miles) 7830
Maximum velocity for month (for one minute§) ..... 39 sw., date, 3

WEATHER (Number of days)

Clear 8
Partly cloudy 11
Cloudy 12
With .01 inch or more precipitation 10
With .25 inches or more precipitation 6
Greatest 24-hour precipitation ..... 0.97, date, 27-28
Average daily cloudiness 6.3

§ One-minute maximum wind velocity from anemograph record.