WB Form 1030

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

W.B.O., San Francisco, 6-1-45—400

City Office: 557 Federal Office Bldg.
50 Fulton Street

SAN FRANCISCO, CALIFORNIA

MONTHLY METEOROLOGICAL SUMMARY

120th Meridian Time

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

May 1945

Date	Temperature (°F.) City office Extremes Max.	City office Extremes Min.	City office Mean	City office Departure from normal	City office Degree days	Airport Extremes Max.	Airport Extremes Min.	Airport Mean	Airport Departure from normal	Airport Degree days
1	57	49	53	− 3	12	64	46	55	+ 1	10
2	56	47	52	− 4	13	55	48	52	− 2	13
3	58	47	52	− 4	13	61	48	54	0	11
4	54	49	52	− 4	13	60	46	53	− 1	12
5	56	49	52	− 4	13	59	49	54	0	11
s6	56	50	53	− 3	12	57	50	54	− 1	11
7	54	50	52	− 4	13	55	50	52	− 3	13
8	53	48	50	− 6	15	55	49	52	− 3	13
9	57	50	54	− 2	11	61	49	55	0	10
10	62	51	56	0	9	62	51	56	+ 1	9
11	58	50	54	− 2	11	60	50	55	0	10
12	65	54	60	+ 4	5	64	52	58	+ 3	7
s13	62	54	58	+ 2	7	62	55	58	+ 3	7
14	61	53	57	0	8	61	53	57	+ 2	8
15	63	53	58	+ 1	7	63	52	58	+ 2	7
16	61	53	57	0	8	62	52	57	+ 1	8
17	60	52	56	− 1	9	60	52	56	0	9
18	59	52	56	− 1	9	60	49	54	− 2	11
19	62	52	57	0	8	60	49	54	− 2	11
s20	63	51	57	0	8	60	50	55	− 1	10
21	59	51	55	− 2	10	59	52	56	0	9
22	59	52	56	− 1	9	60	52	56	0	9
23	61	51	56	− 1	9	60	50	55	− 1	10
24	61	52	56	− 1	9	61	51	56	0	9
25	61	50	56	− 2	9	60	51	56	0	9
26	60	53	56	− 2	9	61	53	57	+ 1	8
s27	59	53	56	− 2	9	60	52	56	− 1	9
28	61	53	57	− 1	8	60	53	56	− 1	9
29	64	54	59	+ 1	6	65	53	59	+ 2	6
30	61	54	58	0	7	62	54	58	+ 1	7
31	62	52	57	− 1	8	61	52	56	− 1	9
Mean	59.5	51.3	55.4	−1.4	§297	60.3	50.7	55.5	0.0	§295
Normal	63.0	50.5	56.8	.....	§252	.....	.....	55.5	.....	.....

Date	Psychrometric data (thermometers over roofs, 112 above ground at city office and 37 feet at airport) City office Local noon Dry bulb	City office Local noon Wet bulb	City office Local noon Dew point	City office Local noon Relative humidity	Airport 4:30 a. m. Dry bulb	Airport 4:30 a. m. Wet bulb	Airport 4:30 a. m. Dew point	Airport 4:30 a. m. Relative humidity	Airport 10:30 a. m. Dry bulb	Airport 10:30 a. m. Wet bulb	Airport 10:30 a. m. Dew point	Airport 10:30 a. m. Relative humidity	Airport 4:30 p. m. Dry bulb	Airport 4:30 p. m. Wet bulb	Airport 4:30 p. m. Dew point	Airport 4:30 p. m. Relative humidity	Airport 10:30 p. m. Dry bulb	Airport 10:30 p. m. Wet bulb	Airport 10:30 p. m. Dew point	Airport 10:30 p. m. Relative humidity
1	55.5	53.0	51	85	47.1	46.4	46	96	57.4	53.9	51	80	61.3	55.6	51	70	50.3	49.3	48	93
2	52.3	49.8	48	84	48.2	47.5	47	95	52.0	49.4	47	84	53.0	51.1	50	88	49.2	48.8	49	98
3	54.0	50.3	47	78	48.2	47.6	47	96	57.4	53.0	50	75	59.0	54.8	52	77	51.3	49.7	48	89
4	51.3	49.1	47	86	51.2	48.8	47	84	52.8	50.2	48	84	55.9	52.1	49	78	50.3	48.8	48	90
5	52.6	49.9	48	83	50.0	48.3	47	89	53.7	50.1	47	78	56.0	51.3	47	73	52.0	49.2	47	82
s6	54.8	49.8	45	71	50.8	48.3	46	84	55.0	49.8	47	80	55.0	50.5	47	73	51.4	48.7	46	83
7	54.3	50.2	47	75	52.4	48.9	46	78	52.2	50.0	48	86	53.0	50.4	48	84	51.0	49.1	47	87
8	52.3	48.0	44	72	49.8	47.8	46	87	50.4	48.0	46	84	52.4	49.0	45	77	51.2	47.6	44	77
9	55.7	50.0	45	67	50.2	47.4	45	82	52.2	48.0	44	74	57.0	51.9	48	71	54.2	52.0	50	86
10	60.8	56.1	53	74	56.7	54.8	53	89	59.0	56.1	54	84	55.7	53.0	51	84	51.6	50.0	49	90
11	55.1	52.0	50	82	52.1	50.3	49	89	55.4	52.8	51	84	56.4	53.2	51	81	54.6	52.2	50	86
12	64.8	58.0	53	67	52.0	51.7	50	85	58.8	54.0	50	74	58.4	57.0	56	92	56.8	55.6	55	93
s13	60.9	55.8	52	73	55.6	54.5	54	94	59.0	56.0	54	83	58.6	55.0	52	80	55.9	53.7	52	87
14	60.0	56.3	54	80	54.4	52.4	51	88	58.0	56.8	56	93	58.0	55.0	53	83	53.3	51.7	50	90
15	60.8	55.0	51	69	53.4	51.2	49	86	60.6	55.6	52	74	63.4	58.2	55	73	55.0	54.0	53	94
16	60.0	58.8	58	94	56.0	54.4	53	91	60.1	58.0	57	88	56.3	52.9	50	81	53.0	51.0	49	87
17	58.0	51.8	47	65	53.0	51.3	50	90	56.9	52.0	48	72	57.9	53.0	49	73	52.8	50.8	49	88
18	55.3	50.7	47	72	51.3	49.8	49	90	58.1	52.0	47	66	58.0	53.0	49	72	53.0	50.0	47	81
19	61.4	53.9	48	61	49.6	47.5	46	87	57.1	52.0	48	71	58.2	54.2	51	77	53.1	50.9	49	87
s20	60.4	52.3	46	58	50.8	49.3	48	90	56.8	52.9	50	78	55.7	52.3	50	80	53.3	51.0	49	86
21	56.7	51.0	46	68	52.0	50.0	48	87	55.4	51.9	49	79	56.5	52.8	50	78	53.0	50.5	48	84
22	59.0	52.5	47	65	52.0	49.9	48	86	56.1	51.2	47	72	57.8	52.0	47	67	53.3	51.3	50	87
23	57.9	51.9	47	66	50.8	49.2	48	89	57.3	52.6	49	73	58.1	53.0	49	72	51.5	49.4	48	87
24	60.6	51.4	43	52	52.0	50.5	49	90	60.7	53.2	47	61	58.2	53.3	49	72	53.0	51.3	50	89
25	59.7	52.9	47	64	52.0	50.1	49	88	57.9	54.0	51	78	57.3	54.2	52	82	54.0	52.1	51	88
26	59.5	53.0	48	66	53.2	51.5	50	89	58.1	53.5	50	74	60.0	54.8	51	72	53.8	51.4	49	85
s27	58.1	52.3	48	68	52.7	51.0	50	89	58.0	53.8	51	77	58.4	53.8	50	74	54.0	52.0	50	87
28	59.0	54.0	50	73	54.1	52.0	50	87	58.9	54.1	51	76	57.3	54.9	53	87	55.0	53.6	53	92
29	60.0	55.2	52	74	54.0	52.3	51	90	61.9	56.5	53	71	59.0	55.0	52	78	56.2	54.5	53	90
30	58.0	54.3	52	79	54.7	53.8	53	95	59.0	54.9	52	78	57.9	55.4	54	86	55.0	53.3	52	90
31	60.0	54.7	51	71	53.1	51.9	51	93	57.4	53.7	51	79	58.6	53.0	48	69	53.0	50.2	48	82
Mean	57.7	52.7	49	72	52.1	50.3	49	89	56.8	52.9	50	78	57.4	53.4	50	78	53.1	51.1	49	88
Normal	61.5	53.9	47	62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Date	Precipitation City office Total inches, mid. to mid.	Precipitation Airport Total inches, mid. to mid.	*Wind City office Max. velocity, miles per hour	*Wind City office Direction of max. velocity	Weather City office †Percentage of sunshine	Weather City office Average cloudiness (scale 0 to 10)
1	0	0	16	sw.	43	9
2	T.	T.	20	w.	60	8
3	0	0	17	w.	75	4
4	0	0	17	w.	35	10
5	T.	T.	16	w.	31	9
s6	0	0	17	w.	54	8
7	0	T.	17	w.	27	9
8	0	T.	16	w.	24	9
9	0	0	19	w.	52	8
10	T.	T.	26	w.	74	5
11	0	0	25	w.	100	6
12	.26	.22	20	s.	24	9
s13	.17	.21	18	sw.	50	9
14	.19	.02	21	w.	68	6
15	0	T.	19	w.	81	4
16	.01	T.	29	w.	75	7
17	0	T.	17	w.	73	5
18	.01	T.	14	sw.	68	8
19	0	0	26	w.	97	6
s20	0	0	29	w.	97	2
21	0	0	29	w.	81	7
22	0	0	22	w.	65	7
23	0	0	20	w.	89	6
24	0	0	22	w.	89	3
25	0	0	23	w.	99	3
26	0	0	22	w.	92	5
s27	0	0	23	w.	85	8
28	0	0	20	w.	55	9
29	T.	T.	17	w.	32	9
30	T.	T.	12	sw.	23	10
31	0	T.	25	w.	73	7
Mean	§0.64	§0.45	.....	.....	64	6.9
Normal	§0.80	§0.80	.....	.....	71	4.8

ALL DATA BELOW ARE FOR CITY OFFICE EXCEPT ATMOSPHERIC PRESSURE AND FLYING WEATHER WHICH ARE FOR SAN FRANCISCO AIRPORT

Atmospheric Pressure, (in inches)
(Reduced to sea-level)

Mean 30.03
Highest ..... 30.20; date, 19
Lowest ..... 29.86; date, 3

Temperature

Highest ..... 65; date, 12
Lowest ..... 47; date, 2
Greatest daily range ..... 12; date, 20

Accumulated excess (+) or deficiency (−) since January 1, −30

Average daily excess (+) or deficiency (−) since January 1, −0.2

Precipitation (inches)

Greatest this month in—

5 minutes	.05	date 13
10 minutes	.06	date 13
15 minutes	.07	date 13
30 minutes	.10	date 13
1 hour	.16	date 12
2 hours	.24	date 12
24 hours	.43	date 12–13

Excess (+) or deficiency (−) this month as compared with normal, −0.16

Seasonal precipitation, since July 1, 21.81

Precipitation (Continued)

Accumulated excess (+) or deficiency (−) since July 1, −0.03
Seasonal precipitation, since September 1, 21.78
Accumulated excess (+) or deficiency (−) since Sept. 1, −0.03
Annual precipitation, since January 1, 9.87
Accumlated excess (+) or deficiency (−) since January 1, −4.07
Greatest snowfall in 24 hours, 0

***Wind**

Prevailing direction for the month ..... west
Total movement for the month (miles) 8249

Direction	n.	ne.	e.	se.	s.	sw.	w.	nw.	M'th
Aver. hrly. vel.	0	0	5.3	10.5	7.0	9.1	11.7	9.6	11.1
% of hours	0	0	0	0	3	16	80	1	.....

Weather (Number of days)

Clear (scale, 0 to 3) 3
Partly cloudy (scale, 4 to 7) 13
Cloudy (scale, 8 to 10) 15
With 0.01 inch or more precipitation .. 5
With 0.25 inch or more precipitation .. 1
Total sunshine, hours 284.2

Flying Weather (hours)

Contact..666h 48m Instrument..77h 12m
Ceiling below 500 ft. and/or visibility less than 1 mile..7h 12m

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

s Opposite date indicates Sunday. § Sum. "T" Trace, .005 inch or less. * All wind velocities are true values. † Also other dates.
‡ Number hours possible sunshine: 1st, 13.8; 16th, 14.3; 31st, 14.6; for this month, 441.5. City office—Lat. 37° 47′ N., Long. 122° 25′ W. Airport—Lat. 37° 37′ N., Long. 122° 23′ W.

(OVER)

Precipitation

San Francisco, California (*city office*) **May 1945**

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																									0
2						T.	T.																		T.
3																									0
4																									0
5				T.	T.	T.	T.																		T.
6																									0
7																									0
8																									0
9																									0
10	T.					T.	T.																		T.
11																									0
12										T.			.03	.15	.06	.01	T.	T.	T.	T.	T.	.01	T.		0.26
13				.03	.12	.02	T.																		0.17
14					T.	.02	.05	.08	.04	T.															0.19
15																									0
16				T.	T.	T.	T.	T.	T.	T.	T.	.01	T.												0.01
17																									0
18											T.	T.	.01												0.01
19																									0
20																									0
21																									0
22																									0
23																									0
24																									0
25																									0
26																									0
27																									0
28																									0
29															T.										T.
30			T.													T.									T.
31																									0
Total	T.	0.00	T.	0.03	0.12	0.04	0.05	0.08	0.04	T.	T.	0.01	0.04	0.15	0.06	0.01	T.	T.	T.	T.	T.	0.01	T.	0.00	0.64

COMPARATIVE DATA FOR THIS MONTH FROM THE RECORDS OF PREVIOUS YEARS

	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	54.8	76	46	0.23	0.13	1890	59.8	85	47	1.07	0.53	1909	54.5	80	44	T.	T.	1928	58.9	77	50	0.26	0.26
1872	56.0	81	48	0.18	0.15	1891	55.7	75	48	1.25	0.61	1910	58.7	90	48	0.03	0.02	1929	56.5	81	47	0.01	0.01
1873	55.4	75	48	0.00	0.00	1892	58.0	90	47	1.86	1.15	1911	55.6	85	46	0.28	0.15	1930	56.1	77	46	0.16	0.14
1874	57.6	83	50	0.06	0.23	1893	55.8	74	46	0.15	0.14	1912	57.2	87	46	1.47	0.74	1931	61.8	90	50	1.10	1.08
1875	57.2	71	49	0.22	0.14	1894	55.4	72	44	1.31	0.68	1913	56.6	78	48	0.63	0.26	1932	58.4	84	50	0.65	0.44
1876	56.8	81	45	0.24	0.24	1895	57.6	89	48	0.60	0.27	1914	**56.2**	71	48	0.37	0.26	1933	55.2	85	47	1.36	0.84
1877	56.2	75	48	0.18	0.18	1896	56.8	91	45	0.72	0.34	1915	57.6	81	46	**3.17**	1.05	1934	60.6	87	50	0.12	0.12
1878	58.0	78	48	0.16	0.14	1897	57.4	88	47	0.61	0.61	1916	55.8	79	46	0.07	0.07	1935	58.7	85	49	0.01	0.01
1879	56.4	75	45	2.35	0.93	1898	52.6	63	46	**1.44**	1.23	1917	54.0	69	46	0.06	0.02	1936	61.5	85	50	0.49	0.40
1880	57.7	84	45	1.12	0.84	1899	52.6	80	43	0.86	0.77	1918	54.6	76	46	T.	T.	1937	57.2	77	48	0.06	0.05
1881	58.0	75	49	0.22	0.17	1900	57.0	71	47	0.32	0.22	1919	57.2	80	48	T.	T.	1938	56.6	77	48	T.	T.
1882	57.0	74	45	0.21	0.15	1901	53.9	81	46	0.69	0.46	1920	55.8	75	45	T.	T.	1939	57.0	73	48	0.63	0.35
1883	58.0	86	48	3.52	1.23	1902	55.5	70	47	1.05	0.58	1921	54.4	71	44	0.52	0.15	1940	58.0	76	50	0.63	0.36
1884	59.4	80	49	0.23	0.12	1903	55.2	77	46	T.	T.	1922	58.0	87	44	0.55	0.30	1941	61.2	89	50	1.18	0.65
1885	58.1	77	50	0.04	0.04	1904	59.0	86	45	0.30	0.30	1923	57.2	81	47	0.06	0.06	1942	56.8	88	47	1.11	0.55
1886	59.1	86	48	0.37	0.21	1905	55.5	84	48	2.05	1.18	1924	59.1	88	47	T.	T.	1943	58.6	91	46	0.13	0.10
1887	57.0	**97**	46	0.06	0.03	1906	56.2	72	**42**	2.75	**1.42**	1925	59.0	83	48	**4.02**	1.42	1944	56.8	76	49	0.94	0.77
1888	56.9	81	47	0.38	0.19	1907	56.4	80	47	0.04	0.02	1926	61.0	82	51	0.15	0.07	1945	**55.4**	65	47	0.64	0.43
1889	58.8	88	48	2.17	1.29	1908	55.4	79	46	0.76	0.24	1927	58.2	88	48	0.10	0.05						

Temperature (1871-1945)

Highest this month ..... 97; date, 28, 1887
Lowest this month ..... 42; date, 16, 1906

Precipitation (1906-1945)

Greatest fall this month in—

5 minutes ..... 0.12; date, 22, 1912
10 minutes ..... 0.17; date, 22, 1912
15 minutes ..... 0.19; date, 19, 1925
30 minutes ..... 0.26; date, 19, 1925
1 hour ..... 0.50; date, 27, 1906
2 hours ..... 0.60; date, 27, 1906
24 hours (1871-1945) ..... †1.42; date, 27-28, 1906

†Also other years

Precipitation—Continued

Greatest snowfall in 24 hours this month since 1871: amount, 0.0.

Greatest total snowfall this month since 1871, 0.0.

Wind* (1890-1944)

Average hourly velocity (miles) 10.5
Prevailing direction ..... west

*Wind velocities have been corrected to true values.

Weather (1885-1944)

Average number days this month—

Clear 14
Partly cloudy 10
Cloudy 7

Weather (1871-1944)

Average number days this month—

With 0.01 inch or more of precipitation 4
With 0.25 inch or more of precipitation 1
Greatest number of days this month with 0.01 inch or more of precipitation, 11; year, 1883, 1915, 1925

Frost (1897-1944)

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

‡Less than one-half

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

C. E. NORQUEST.