Form No. 1030—Met'l

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

W.B.O., San Francisco, 12-2-44—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

November 1944

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	65	55	60	+ 1	5	63	50	56	+ 1	9
2	61	57	59	0	6	64	53	58	+ 3	7
3	64	59	62	+ 4	3	64	55	60	+ 5	5
4	64	56	60	+ 2	5	64	52	58	+ 3	7
s5	63	53	58	0	7	62	46	54	0	11
6	60	54	57	− 1	8	61	53	57	+ 3	8
7	60	52	56	− 2	9	60	46	53	− 1	12
8	62	52	57	− 1	8	63	45	54	0	11
9	61	54	58	0	7	62	54	58	+ 4	7
10	60	53	56	− 1	9	60	48	54	+ 1	11
11	57	50	54	− 3	11	57	48	52	− 1	13
s12	58	49	54	− 3	11	58	45	52	− 1	13
13	57	50	54	− 3	11	56	48	52	− 1	13
14	61	50	56	− 1	9	59	43	51	− 1	14
15	63	53	58	+ 2	7	62	44	53	+ 1	12
16	61	50	56	0	9	61	41	51	− 1	14
17	61	49	55	− 1	10	61	41	51	− 1	14
18	59	52	56	0	9	58	45	52	0	13
s19	63	49	56	0	9	61	42	52	0	13
20	60	49	54	− 1	11	60	41	50	− 1	15
21	62	48	55	0	10	62	39	50	− 1	15
22	66	49	58	+ 3	7	65	41	53	+ 2	12
23	62	53	58	+ 3	7	61	44	52	+ 1	13
24	61	51	56	+ 1	9	60	42	51	0	14
25	59	49	54	− 1	11	57	40	48	− 2	17
s26	52	48	50	− 4	15	52	48	50	0	15
27	55	48	52	− 2	13	60	44	52	+ 2	13
28	54	48	51	− 3	14	56	44	50	0	15
29	56	50	53	− 1	12	57	48	52	+ 2	13
30	57	51	54	0	11	58	47	52	+ 2	13
..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	60.1	51.4	55.8	−0.5	§273	60.1	45.9	53.0	+0.7	§362
Normal	62.2	50.4	56.3	.....	§242	.....	.....	52.3	.....	.....

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	63.8	58.9	56	75	53.1	51.9	51	92	59.9	56.6	54	82	59.8	55.8	53	78	57.1	53.8	51	81
2	58.1	57.4	57	96	55.5	54.1	53	92	61.6	56.2	52	72	62.7	59.9	58	86	57.5	56.3	55	92
3	62.1	60.1	59	90	57.4	56.2	55	93	61.6	59.9	59	90	60.4	59.0	58	92	59.7	58.2	57	92
4	61.4	57.3	54	78	59.7	57.3	56	87	61.1	56.3	53	74	60.3	55.7	52	75	53.5	52.5	52	94
s5	61.4	53.8	48	61	52.8	51.3	50	91	56.0	51.9	49	77	59.3	54.8	51	75	56.1	53.3	51	84
6	58.0	54.6	52	80	56.4	53.0	50	83	59.2	52.1	46	62	55.6	54.5	54	94	56.0	53.4	51	84
7	56.6	53.0	50	79	52.0	50.9	50	93	55.1	52.2	50	82	60.0	54.3	50	69	49.6	47.9	46	88
8	61.0	53.9	48	63	46.0	45.5	45	96	58.2	53.0	49	71	59.8	52.9	47	63	57.3	54.8	53	85
9	60.2	55.7	52	76	59.7	57.1	55	86	57.1	54.8	53	86	56.5	55.4	55	93	58.5	55.3	53	82
10	59.4	52.0	46	61	57.5	56.8	56	96	58.0	52.5	48	69	57.7	51.7	47	67	48.9	47.4	46	90
11	52.8	50.3	48	85	49.6	48.7	48	94	51.3	50.0	49	92	54.9	50.2	46	72	51.5	49.5	48	87
s12	56.9	50.0	44	61	46.8	45.9	45	93	56.0	51.0	47	71	55.8	50.5	46	69	50.7	47.9	45	82
13	53.4	49.0	45	73	48.8	47.9	47	94	52.7	49.7	47	81	55.4	50.5	46	71	52.0	48.8	46	79
14	56.0	46.5	36	48	47.5	45.6	44	87	53.2	48.5	44	71	58.7	50.9	44	58	50.6	44.5	38	61
15	59.3	46.2	31	33	53.2	46.0	38	57	56.1	46.9	37	49	60.8	50.8	42	49	46.2	43.0	40	78
16	59.2	47.9	36	42	52.0	46.2	40	64	55.6	47.4	39	54	59.9	50.0	41	49	49.0	44.7	40	72
17	57.2	50.1	44	61	46.1	44.3	42	87	53.1	49.8	47	80	57.0	53.0	50	77	51.0	49.5	48	90
18	53.9	51.3	49	84	51.1	49.9	49	92	51.9	50.8	50	92	56.9	53.3	50	79	46.1	45.1	45	93
s19	60.4	53.6	48	64	44.5	44.1	44	97	54.7	51.8	50	83	57.2	53.5	51	78	49.2	48.9	49	98
20	56.6	47.1	37	48	43.4	43.8	43	99	53.3	50.2	48	81	69.0	51.0	44	57	46.9	44.9	43	86
21	60.3	52.6	46	59	41.3	40.8	40	96	52.0	49.8	48	86	58.0	53.9	51	77	46.9	44.5	42	83
22	61.3	51.6	43	51	42.3	41.6	41	94	55.1	51.8	49	80	65.1	53.0	42	43	51.1	48.2	46	81
23	60.4	55.2	51	71	54.1	51.7	50	85	57.1	54.8	53	87	57.4	52.2	48	70	51.2	46.4	42	70
24	57.2	45.2	31	36	45.9	42.2	38	74	54.1	45.8	37	52	55.2	50.2	46	70	48.1	45.5	43	82
25	57.0	50.6	45	64	44.3	42.8	41	89	51.9	48.2	45	77	54.0	49.9	46	75	51.9	49.6	48	84
s26	49.2	46.9	45	85	49.7	48.0	46	89	49.6	48.1	47	90	52.2	50.0	48	86	51.3	49.2	47	86
27	54.2	49.6	46	72	49.4	46.9	45	84	52.0	48.7	46	79	53.6	50.1	47	79	48.0	47.1	46	93
28	52.1	47.8	44	73	46.2	45.6	45	96	49.9	47.9	46	87	53.1	49.4	46	77	52.1	49.4	47	83
29	55.2	53.9	53	93	51.3	50.2	49	92	54.7	53.5	53	93	55.1	54.6	54	96	53.2	53.2	53	100
30	54.9	52.8	51	87	50.1	49.8	50	98	52.1	51.1	50	93	56.0	52.5	50	80	55.3	50.8	47	73
..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	57.6	51.8	46	68	50.3	48.5	47	89	55.1	51.4	48	78	57.6	52.8	49	74	51.8	49.5	47	84
Normal	60.7	52.3	44	59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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	13	w.	54	8
2	.04	0	11	sw.	0	9
3	1.20	.68	17	se.	0	9
4	T.	.64	15	sw.	71	9
s5	0	0	16	w.	100	1
6	.32	.17	16	s.	12	9
7	0	0	9	nw.	70	4
8	0	T.	17	se.	48	9
9	1.37	.91	20	sw.	20	10
10	.23	.17	20	sw.	73	6
11	.98	.83	13	s.	25	9
s12	.11	.09	17	w.	82	7
13	.03	.08	13	se.	70	7
14	0	0	11	n.	93	1
15	0	0	13	n.	100	0
16	0	0	10	se	100	0
17	0	0	10	sw.	77	4
18	.27	.42	11	se.	14	7
s19	0	0	13	w.	100	1
20	0	0	11	n.	86	2
21	0	0	8	w.	76	0
22	0	0	12	n.	90	1
23	0	0	19	nw.	70	5
24	0	0	14	nw.	89	4
25	T.	.01	11	w.	58	7
s26	.28	.22	13	se.	0	10
27	0	0	7	e.	53	6
28	0	0	14	nw.	43	9
29	1.32	1.29	12	se.	1	9
30	.09	T.	14	s.	17	9
..	.....	.....	.....	.....	.....	.....
Mean	§6.24	§5.51	.....	.....	56	5.7
Normal	§2.85	§2.35	.....	.....	63	4.6

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.....30.00
Highest.....30.33; date, 20
Lowest.....29.64; date, 11

Temperature

Highest.....66; date, 22
Lowest.....48; date, 28
Greatest daily range.....17; date, 22
Accumulated excess (+) or deficiency (−) since January 1, −25
Average daily excess (+) or deficiency (−) since January 1, −0.1

Precipitation (inches)

Greatest this month in—
5 minutes.....0.11, date.....29
10 minutes.....0.19, date.....9
15 minutes.....0.24, date.....29
30 minutes.....0.36, date.....29
1 hour.....0.59, date.....29
2 hours.....0.94, date.....29
24 hours.....1.50, date.....9-10

Excess (+) or deficiency (−) this month as compared with normal, +3.89
Seasonal precipitation, since July 1, ~~8.06~~ 7.97

Precipitation (Continued)

Accumulated excess (+) or deficiency (−) since July 1, +4.0~~8~~ 2.
Seasonal precipitation, since September 1, 7.9~~3~~ 4
Accumulated excess (+) or deficiency (−) since Sept. 1, +4.0~~8~~ 2
Annual precipitation, since January 1, 21.61 21.67
Accumulated excess (+) or deficiency (−) since January 1, +3.4~~6~~ 9
Greatest snowfall in 24 hours, 0

***Wind**

Total movement for the month (miles).....4717

Direction	n.	ne.	e.	se.	s.	sw.	w.	nw.	M'th
Aver. hrly. vel.	6.1	4.9	4.4	6.6	6.9	9.4	7.2	6.2	6.6
% of hours	20	2	15	16	10	12	17	8	.....

Weather (Number of days)

Clear (scale, 0 to 3).....8
Partly cloudy (scale, 4 to 7).....10
Cloudy (scale, 8 to 10).....12
With 0.01 inch or more precipitation...12
With 0.25 inch or more precipitation....7
Total sunshine, hours.....171.1

Flying Weather (hours)

Contact.....682h 34m
Instrument...27h 2m Closed...10h 24m

Miscellaneous Phenomena
(Dates of)

Frosts: Light.....0
Heavy.....0
Killing.....0
Auroras.....0
Halos: Solar.....28
Lunar.....28
Hail.....0
Sleet.....0
Heavy fog.....0
Thunderstorms.....0

§ Sum.
‡ Number hours possible sunshine: 1st, 13.0; 16th, 12.4; 30th, 11.8; for this month, 372.8.

"T" Trace, amount too small to measure.
City office—Lat. 37° 47′ N., Long. 122° 25′ W. Airport—Lat. 37° 37′ N., Long. 122° 23′ W.

* All wind velocities are true values.

† Also other dates.

(OVER)

Precipitation

San Francisco, California (*city office*) **November 1944**

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.	.01	.03	T.	T.									0.04
3										T.		T.		T.	.05	.14	.31	.26	T.	.02	.03	.01	.15	.23	1.20
4						T.																			T.
5																									0
6												T.	T.	.05	.09	.11	.01	.06							0.32
7																									0
8																									0
9			.01	T.	.04	.06	.46	.17	.02	.02	T.	.01		T.	.01	.03	.09					.20	.10	.15	1.37
10			.13	.04	.01		.04	.01	T.																0.23
11				.02	.30	.11	.10	.31	.09	.03										.01	.01				0.98
12		.02	.02	.02		.01										.01					.01	.01	.01		0.11
13							.01	T.	.01	.01															0.03
14																									0
15																									0
16																									0
17																									0
18				T.	.06	.07		.02	.01	.04	.05	.01	.01												0.27
19																									0
20																									0
21																									0
22																									0
23																									0
24																									0
25																						T.	T.	T.	T.
26	T.	T.			T.	.01	.05	.06	.05	.04	.03	.02	.01		T.	T.	.01								0.28
27																									0
28																									0
29		T.	.02	.55	.39	.12	.11	.06	.06	T.	T.	T.	T.	T.		T.	T.	.01							1.32
30																						.01	.04	.04	0.09
..																									
Total	T.	0.02	0.18	0.63	0.80	0.38	0.77	0.63	0.24	0.14	0.08	0.04	0.03	0.08	0.15	0.29	0.42	0.33	T.	0.03	0.05	0.23	0.30	0.42	6.24

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	55.1	78	45	2.81	1.24	1890	59.0	78	46	**0.00**	**0.00**	1909	54.8	74	43	2.43	0.97	1928	56.4	70	45	3.35	1.48
1872	56.0	67	44	2.79	2.06	1891	58.6	78	47	0.56	0.26	1910	54.8	76	44	0.48	0.27	1929	59.7	82	46	**0.00**	**0.00**
1873	57.7	72	47	1.16	0.80	1892	56.9	78	42	3.91	1.46	1911	57.3	77	42	0.60	0.45	1930	58.0	79	45	1.56	1.04
1874	56.1	69	44	6.55	3.98	1893	55.6	74	44	4.18	1.69	1912	56.6	68	46	1.94	0.94	1931	54.4	80	39	2.93	2.05
1875	57.4	68	49	7.27	2.37	1894	59.4	70	46	0.88	0.88	1913	55.2	72	46	6.22	2.21	1932	60.6	82	49	1.00	0.61
1876	58.0	70	50	0.25	0.19	1895	56.2	83	42	1.78	1.06	1914	59.0	77	46	0.70	0.35	1933	60.0	80	46	**0.00**	**0.00**
1877	57.2	69	49	1.57	0.56	1896	53.4	66	38	4.56	2.79	1915	56.1	75	45	0.92	0.66	1934	58.5	75	49	3.76	1.44
1878	57.1	68	47	0.57	0.45	1897	53.1	68	44	1.05	0.42	1916	54.4	73	44	1.50	0.76	1935	54.8	71	42	1.24	1.08
1879	55.0	65	45	4.03	1.38	1898	55.4	78	43	0.46	0.36	1917	58.7	72	48	0.81	0.40	1936	58.0	78	46	0.01	0.01
1880	54.2	75	41	0.33	0.32	1899	56.8	65	48	3.79	1.51	1918	55.6	72	45	5.60	2.25	1937	58.2	74	49	2.46	0.65
1881	55.1	66	44	1.94	1.34	1900	56.3	79	45	3.91	1.66	1919	56.0	73	38	0.44	0.44	1938	56.8	73	44	0.88	0.50
1882	53.2	64	45	4.18	2.41	1901	57.2	75	49	3.48	1.59	1920	55.4	69	45	2.70	0.66	1939	59.2	78	49	0.20	0.20
1883	54.1	67	44	1.60	1.01	1902	54.8	67	45	1.98	1.39	1921	57.8	79	45	1.43	0.85	1940	57.0	73	47	2.22	1.06
1884	57.4	70	50	0.26	0.19	1903	56.6	67	46	4.25	2.39	1922	54.3	65	43	3.77	2.09	1941	58.4	78	46	1.99	0.61
1885	57.8	70	50	**11.78**	2.58	1904	58.0	74	49	1.07	0.56	1923	60.8	78	51	0.49	0.29	1942	56.0	75	46	4.45	2.44
1886	56.8	75	45	0.84	0.77	1905	56.2	74	44	0.92	0.38	1924	56.7	73	46	1.50	0.86	1943	59.0	75	48	0.80	0.56
1887	56.4	74	42	0.99	0.48	1906	55.4	77	40	1.59	0.67	1925	56.6	66	47	2.32	0.52	1944	55.8	66	48	6.24	1.50
1888	57.0	74	47	3.99	1.68	1907	57.8	78	45	0.04	0.02	1926	60.9	79	49	7.21	1.75						
1889	58.6	77	47	2.90	0.92	1908	55.4	74	44	1.34	0.70	1927	58.1	77	44	3.18	1.36						

Temperature (1871-1944)

Highest this month ..... 83; date, 16, 1895
Lowest this month ..... 38; date, 27, 1919

Precipitation (1906-1944)

Greatest fall this month in—

5 minutes ..... 0.33; date, 25, 1926
10 minutes ..... 0.51; date, 4, 1918
15 minutes ..... 0.65; date, 4, 1918
30 minutes ..... 0.81; date, 4, 1918
1 hour ..... 0.92; date, 4, 1918
2 hours ..... 0.95; date, 4, 1918
24 hours (1871-1944) ..... 3.98; date, 23, 1874

Precipitation—Continued

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

Greatest total snowfall this month since 1871, 0.0;

Wind* (1890-1943)

Average hourly velocity (miles) 6.6
Prevailing direction ..... north

*Wind velocities have been corrected to true values.

Weather (1885-1943)

Average number days this month—

Clear 16
Partly cloudy 9
Cloudy 8

Weather (1871-1948)

Average number days this month—

With 0.01 inch or more of precipitation 7
With 0.25 inch or more of precipitation 3
Greatest number of days this month with 0.01 inch or more of precipitation, ...21; year, 1885.

Frost (1897-1943)

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.