Form No. 1030–Met'l

W.B.O., San Francisco, 12-1-43–400

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

MONTHLY METEOROLOGICAL SUMMARY

Station, SAN FRANCISCO, CALIF. *120th Meridian Time* *Month,* **November 1943**

Date	Temperature (°F.) Thermometers over roof, 112 feet above ground: Extremes Max.	Extremes Min.	Mean	Departure from normal	Dry bulb *4:30 a. m.	Dry bulb Local noon	Dry bulb *4:30 p. m.	Moisture: Relative humidity per cent *4:30 a. m.	Relative humidity Local noon	Relative humidity *4:30 p. m.	Vapor pressure, local noon	Precipitation, inches. Total 4:30 a. m. to 4:30 p. m.	Total Mid. to Mid.	Snowfall, un-melted 4:30 p. m. to 4:30 p. m.	Snowfall Depth on ground 4:30 p. m.	**Wind Max. velocity, miles per hour	Direction of max. velocity	††Per cent of sunshine	Degree Days
1	68	50	59	0	43.9	61.3	65.9	90	40	48	.220	0	0	0	0	11	w.	93	6
2	71	51	61	+ 2	45.3	67.0	61.9	87	36	58	.238	0	0	0	0	15	w.	100	4
3	70	53	62	+ 4	49.1	66.9	63.6	76	49	74	.324	0	0	0	0	14	w.	100	3
4	62	55	58	0	52.9	60.4	60.1	100	91	95	.486	0	T.	0	0	16	w.	41	7
5	68	54	61	+ 3	54.1	67.0	61.0	100	62	62	.405	0	0	0	0	17	w.	88	4
6	75	53	64	+ 6	48.1	69.8	71.3	78	26	19	.188	0	0	0	0	9	ne.	100	1
s7	70	56	63	+ 5	53.1	67.4	68.0	48	32	37	.220	0	0	0	0	9	n.	62	2
8	73	58	66	+ 8	52.8	69.5	68.6	64	28	35	.204	0	0	0	0	9	e.	63	0
9	71	55	63	+ 5	51.9	66.4	70.5	80	36	26	.238	0	0	0	0	11	nw.	100	2
10	74	55	64	+ 7	49.1	69.0	72.2	85	32	31	.229	0	0	0	0	11	n.	83	1
11	67	54	60	+ 3	47.7	63.2	65.0	73	58	42	.336	0	0	0	0	15	w.	77	5
12	60	53	56	− 1	53.5	60.0	57.2	82	60	70	.312	0	0	0	0	15	w.	84	9
13	67	51	59	+ 2	45.7	61.5	60.0	94	65	67	.362	0	0	0	0	15	w.	65	6
s14	69	49	59	+ 2	49.9	63.3	70.8	82	50	36	.289	0	0	0	0	11	n.	84	6
15	65	54	60	+ 4	49.4	65.1	61.4	71	41	68	.258	0	0	0	0	13	w.	79	5
16	59	55	57	+ 1	51.4	57.9	58.3	94	89	82	.420	0	T.	0	0	8	w.	0	8
17	68	55	62	+ 6	55.8	63.0	65.1	91	60	61	.349	T.	.04	0	0	9	n.	65	3
18	65	55	60	+ 4	51.0	61.0	62.0	93	74	84	.390	.05	.11	0	0	17	sw.	2	5
19	62	57	60	+ 4	57.6	61.0	60.5	87	84	83	.452	.45	.45	0	0	18	sw.	49	5
20	68	51	60	+ 5	56.1	57.1	55.2	92	79	72	.376	.17	.17	0	0	14	w.	32	5
s21	59	48	54	− 1	46.8	56.4	55.1	82	60	70	.278	0	0	0	0	11	n.	100	11
22	59	49	54	− 1	45.3	58.4	56.0	100	70	78	.349	0	0	0	0	15	w.	89	11
23	60	52	56	+ 1	52.4	55.4	59.7	87	70	65	.312	0	0	0	0	11	w.	43	9
24	60	50	55	0	46.0	56.4	56.7	94	67	75	.312	0	0	0	0	13	w.	76	10
25	64	48	56	+ 1	47.1	57.0	57.7	100	77	78	.362	0	0	0	0	10	w.	67	9
26	66	50	58	+ 4	46.5	59.7	59.8	99	55	62	.278	0	0	0	0	9	n.	78	7
27	67	52	60	+ 6	49.0	62.9	67.4	94	53	46	.312	0	0	0	0	12	n.	89	5
s28	69	51	60	+ 6	45.4	61.4	54.9	96	67	88	.362	0	0	0	0	15	w.	77	5
29	62	51	56	+ 2	49.5	54.1	58.0	98	88	80	.376	0	.03	0	0	16	w.	30	9
30	60	51	56	+ 2	51.8	59.8	55.8	94	68	79	.362	0	0	0	0	17	w.	76	9
..	..	..	..	....	....	....	....	..	..	..	....	....	....	.	..	..	.....	...	..
Mean	65.9	52.5	59.2		49.7	62.0	62.0	87	59	62	.320	§0.67	§0.80	§0	§0			70	§172
Normal	62.2	50.4	56.3						59				2.35					63	242

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

*Mean 30.10
*Highest ..... 30.29; date, 8
*Lowest ..... 29.93; date, 17

Temperature

Highest ..... 75; date, 6
Lowest ..... 48; date, 25
Greatest daily range ..... 22; date, 6
Total degree days 172
Accumulated excess (+) or deficiency (−) since January 1, +455
Average daily excess (+) or deficiency (−) since January 1, +1.4

Precipitation

Greatest this month in 5 minutes, †0.07 date, 19; in 10 minutes, †0.09 date, 19; in 15 minutes, †0.11 date, 19; in 30 minutes, †0.15 date, 19; in 1 hour, †0.16 date, 19; in 2 hours, †0.29 date, 19; in 24 hours, 0.66 date, 18–19.

Precipitation—Continued

Excess (+) or deficiency (−) this month as compared with normal, −1.55
Seasonal precipitation, since July 1, 1.56
Accumulated excess (+) or deficiency (−) since July 1, −2.39
Annual precipitation, since January 1, 14.98
Accumulated excess (+) or deficiency (−) since January 1, −3.09
Greatest snowfall in 24 hours, 0.

Weather
(Number of days)

Clear (scale 0 to 3) 14
Partly cloudy (scale 4 to 7) 6
Cloudy (scale 8 to 10) 10
With 0.01 inch or more precipitation 5
With 0.25 inch or more precipitation 1
Total sunshine, hours 212.3

†Wind

Total movement (miles) 3,886
Average hourly velocity (miles) 5.4
Maximum velocity (miles) ..... 18 on 19th
Prevailing direction ..... west

Miscellaneous Phenomena
(Dates of)

Frosts: Light 0
Heavy 0
Killing 0
Auroras 0
Halos: Solar 7, 25
Halos: Lunar 7, 10, 15
Heavy Fog ..... 0 Hail 0
Thunderstorms ..... 0 Sleet 0

"T", Trace, amount too small to measure. †All wind data are true values. §Sum. ‖Also other dates. s Opposite date indicates Sunday.

††Number hours possible sunshine: 1st, 10.6; 16th, 10.1; 30th, 9.7; for this month, 303.7. *Data from S. F. Airport †Estimated
**Wind Directions and Barometric Pressures Less than Seven Days Old Not to be broadcast by Radio.

A. A. LOTHMAN

(OVER)

Precipitation, November 1943

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																									0
3																									0
4																						T.	T.	T.	T.
5																									0
6																									0
7																									0
8																									0
9																									0
10																									0
11																									0
12																									0
13																									0
14																									0
15																									0
16																		T.							T.
17	T.	.01	.01	.01	.01																				.04
18																	.09	.02							.11
19						T.	.15	.11	.04		.15											T.	T.		.45
20						T.	T.	.08	.05	.03	.01														.17
21																									0
22																									0
23																									0
24																									0
25																									0
26																									0
27																									0
28																									0
29																		T.	T.	.02	.01				.03
30																									0
..																									
Total	T.	0.01	0.01	0.01	0.01	T.	0.15	0.19	0.09	0.03	0.16	0	0	0	0	0	0.09	0.02	T.	0.02	0.01	T.	T.	T.	0.80

COMPARATIVE DATA FOR THIS MONTH FROM THE RECORDS OF PREVIOUS YEARS

Station, **San Francisco, Calif.** *Month,* **November**

	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	1.13	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	45	0.70	0.35	1933	60.0	80	46	0.00	0.00
1877	57.2	69	49	1.57	0.66	1896	53.4	66	38	4.66	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	44	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	45	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	58.0	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	59.2	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						
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 (1871-1943)

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

Precipitation (1906-1943)

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, 1934†
30 minutes ..... 0.81; date, 4, 1918
1 hour ..... 0.92; date, 4, 1918
2 hours ..... 0.95; date, 4, 1918
24 hours (1871-1943) ..... 3.98; date, 23, 1874

†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* (1890-1942)

Average hourly velocity (miles) 7.0
Prevailing direction ..... west

*Wind velocities have been corrected to true values.

Weather (1885-1942)

Average number days this month—

Clear 13
Partly cloudy 9
Cloudy 8

Weather (1871-1942)

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 (1897-1942)

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