

*Herndon
W.E.D.
oc*

U. S. DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Independence, Calif.

For the Month of *JUL* 1913 *Jul*, 1913

* Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

† No. of dry thermometer in use, _____; No. of wet thermometer in use, _____; No. of maximum thermometer in use, _____; No. of minimum thermometer in use, _____

‡ Elevation above ground of the dry thermometer, _____ feet; rain gage, _____ feet; anemometer, _____ feet.

If the office has been moved during the month, give date _____; amount of change in height of barometer, _____ feet (higher or lower).

No. of extra barometer, *5*; sum of corrections, *-0.60*; date and observation upon which use of station barometer commenced, *March 5th 5 P.m. 1898*; station elevation, *3957* feet; actual elevation, *3874* feet.

Location of office: Number *Jackson bet. Center and Main* streets, room *Green Bldg. 9 rooms*; first observation taken in present office, *8 P.m. November 30th 1904*

* Cancel words that are not appropriate.

† To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Independence Calif., for the Month of JUL - 1913, 191

Number of Station barometer, 477; sum of corrections, -.261 inch.

Independence, Calif.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 5.00 A. M. 120 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 5.27 A. M. LOCAL MEAN TIME.

| DATE. | BAROMETER. | | | | THERMOMETERS. | | | Dew-point. | Relative humid-ity. | Vapor pressure. | SELF-REG. THER'S. | | WIND. | | | PRECIPITATION. | CLOUDS. | | | STATE OF WEATHER. | Initials of observer. | DATE. | |
|-----------|-----------------------|-------------------|-------------------|---|-----------------------|--------|--------|------------|---------------------|-----------------|-------------------|------|-------|-----------|---------------------------------|----------------|---------|-----------------|------|-------------------|-----------------------|-------|-------|
| | Attached thermometer. | Observed reading. | Total correction. | Station. (Observed reading plus total cor.) | Reduced to sea-level. | Dry. | Wet. | | | | Max. | Min. | Dir. | Velocity. | Max. during preceding 12 hours. | | Dir. | Amt. at 8 a. m. | Amt. | | | | Kind. |
| | In. | In. | In. | In. | (b) | (b) | (b) | (b) | (b) | In. | (b) | (b) | (b) † | Mi. | Mi. | (b) †† | In. | | | | | | |
| Tuesday 1 | 66 | 26.157 | -15.0 | 25.997 | 29.92 | 59.5 | 50.5 | 42 | 54 | 26.6 | 90.0 | 59.0 | N | 3 | | 0 | 0 | 0 | 0 | clear | Emb3 | 1 | |
| 2 | 70.5 | 26.099 | -15.8 | 25.941 | 29.82 | 66.0 | 49.0 | 32 | 28 | 18.0 | 95.5 | 65.5 | SE | 3 | | 0 | 6 | as | S | Ptly cldy | Emb3 | 2 | |
| 3 | 71.5 | 26.044 | -16.2 | 25.882 | 29.79 | 68.0 | 52.0 | 38 | 33 | 22.8 | 92.0 | 68.0 | N | 6 | | 0 | 7 | ci S | N | Ptly cldy | Emb3 | 3 | |
| 4 | 66.5 | 26.159 | -15.1 | 26.008 | 29.93 | 60.0 | 57.0 | 38 | 38 | 22.6 | 78.0 | 59.0 | N | 8 | | 0 | 0 | 0 | 0 | clear | Emb3 | 4 | |
| 5 | 68 | 26.239 | -15.4 | 26.085 | 30.00 | 62.0 | 52.0 | 48 | 52 | 28.7 | 92.5 | 60.5 | NW | 3 | | 0 | 0 | 0 | 0 | clear | Emb3 | 5 | |
| 6 | 76.5 | 26.249 | -17.6 | 26.074 | 29.96 | 71.0 | 56.5 | 46 | 41 | 31.0 | 97.0 | 71.0 | W | 3 | | 0 | 8 | as | S | cloudy | Emb3 | 6 | |
| 7 | 63.5 | 26.249 | -14.4 | 26.105 | 30.01 | 66.0 | 56.0 | 49 | 54 | 34.1 | 94.5 | 65.5 | NW | 2 | | 0 | 0 | 0 | 0 | clear | Emb3 | 7 | |
| 8 | 75.5 | 26.219 | -17.2 | 26.047 | 29.94 | 73.5 | 56.0 | 42 | 33 | 26.6 | 97.5 | 72.0 | N | 4 | | 0 | 3 | as | S | clear | Emb3 | 8 | |
| 9 | 74.5 | 26.217 | -17.0 | 26.047 | 29.96 | 69.0 | 57.0 | 49 | 49 | 34.7 | 90.0 | 69.0 | NW | 3 | | 0 | 4 | as | S | Ptly cldy | Emb3 | 9 | |
| 10 | 75 | 26.217 | -17.1 | 26.046 | 29.94 | 72.0 | 53.5 | 38 | 29 | 22.8 | 97.5 | 72.0 | NW | 3 | | 0 | 0 | 0 | 0 | clear | Emb3 | 10 | |
| 11 | 75.5 | 26.218 | -17.2 | 26.046 | 29.93 | 72.5 | 53.5 | 36 | 27 | 21.1 | 103.0 | 72.5 | NW | 10 | | 0 | 0 | 0 | 0 | clear | Emb3 | 11 | |
| 12 | 7.3 | 26.068 | -14.5 | 25.903 | 29.76 | 67.5 | 52.5 | 39 | 36 | 22.7 | 101.5 | 67.0 | N | 3 | | 0 | 0 | 0 | 0 | clear | Emb3 | 12 | |
| 13 | 77. | 25.959 | -17.5 | 25.784 | 29.63 | 73.5 | 55.0 | 40 | 29 | 24.7 | 96.0 | 72.0 | SE | 4 | | 0 | 0 | 0 | 0 | clear | Emb3 | 13 | |
| 14 | 68 | 25.992 | -15.4 | 25.838 | 29.72 | 62.0 | 50.0 | 39 | 43 | 23.7 | 93.0 | 62.0 | N | 2 | | 0 | 0 | 0 | 0 | clear | Emb3 | 14 | |
| 15 | 66 | 26.158 | -14.9 | 26.009 | 29.92 | 57.0 | 46.0 | 35 | 43 | 20.3 | 93.5 | 57.0 | NW | 1 | | 0 | 8 | as | W | cloudy | Emb3 | 15 | |
| 16 | 62 | 26.210 | -14.0 | 26.070 | 30.01 | 54.5 | 44.0 | 32 | 43 | 18.0 | 89.0 | 54.5 | S | 1 | | 0 | 6 | ci S | S | Ptly cldy | Emb3 | 16 | |
| 17 | 70 | 26.199 | -15.9 | 26.040 | 29.95 | 62.5 | 53.0 | 46 | 54 | 31.0 | 91.0 | 61.0 | NW | 1 | | 0 | 0 | 0 | 0 | clear | Emb3 | 17 | |
| 18 | 69 | 26.239 | -15.7 | 26.082 | 30.00 | 62.5 | 59.5 | 58 | 84 | 17.0 | 90.5 | 62.0 | N | 2 | | 0.6 | 9 | cu | N | cloudy | Emb3 | 18 | |
| 19 | 71 | 26.259 | -16.2 | 26.097 | 30.03 | 66.5 | 58.5 | 54 | 45 | 41.7 | 90.0 | 65.0 | NW | 2 | | 0 | 8 | cu | S | cloudy | Emb3 | 19 | |
| 20 | 70 | 26.237 | -15.9 | 26.080 | 30.03 | 65.0 | 59.5 | 56 | 73 | 44.8 | 74.0 | 64.5 | NW | 1 | | 0 | 9 | S | W | cloudy | Emb3 | 20 | |
| 21 | 67 | 26.227 | -15.2 | 26.075 | 30.05 | 60.5 | 60.0 | 40 | 97 | 51.7 | 66.5 | 58.5 | N | 2 | | 0.2 | 10 | N | S | L. Rain | Emb3 | 21 | |
| 22 | 67.5 | 26.210 | -15.4 | 26.056 | 30.01 | 59.0 | 59.0 | 59 | 100 | 49.9 | 73.5 | 59.0 | NE | 1 | | 0.9 | 10 | N | SE | L. Rain | Emb3 | 22 | |
| 23 | 69 | 26.177 | -15.7 | 26.020 | 29.96 | 61.0 | 60.0 | 59 | 95 | 49.9 | 76.5 | 61.0 | N | 1 | | 0 | 8 | cu | N | cloudy | Emb3 | 23 | |
| 24 | 65.5 | 26.176 | -14.8 | 26.028 | 29.97 | 56.5 | 53.5 | 52 | 83 | 38.7 | 80.5 | 55.0 | N | 1 | | 0 | 4 | as | S | Ptly cldy | Emb3 | 24 | |
| 25 | 65 | 26.157 | -14.8 | 26.009 | 29.96 | 52.0 | 48.0 | 46 | 76 | 31.0 | 79.0 | 52.0 | SW | 1 | | 0 | 6 | cu | W | Ptly cldy | Emb3 | 25 | |
| 26 | 65 | 26.098 | -14.7 | 25.951 | 29.97 | 52.0 | 52.0 | 52 | 100 | 38.7 | 66.0 | 52.5 | S | 1 | | 0.05 | 9 | cu | S | cloudy | Emb3 | 26 | |
| 27 | 68.3 | 26.078 | -15.5 | 25.923 | 29.88 | 58.0 | 53.0 | 49 | 73 | 34.7 | 82.0 | 57.5 | NW | 1 | | 0 | 0 | 0 | 0 | clear | Emb3 | 27 | |
| 28 | 67 | 26.158 | -15.2 | 26.006 | 29.96 | 59.0 | 53.0 | 52 | 78 | 38.7 | 73.0 | 58.5 | NW | 2 | | 0 | 3 | cu | W | clear | Emb3 | 28 | |
| 29 | 66.5 | 26.128 | -15.1 | 25.977 | 29.93 | 58.5 | 53.5 | 50 | 73 | 36.0 | 74.5 | 58.5 | NW | 3 | | 0 | 1 | cu | S | clear | Emb3 | 29 | |
| 30 | 62.4 | 26.198 | -14.2 | 26.056 | 30.01 | 54.0 | 46.0 | 38 | 55 | 22.8 | 92.5 | 53.0 | 0 | 0 | | 0 | 0 | 0 | 0 | clear | Emb3 | 30 | |
| 31 | 64 | 26.257 | -14.5 | 26.112 | 30.05 | 56.0 | 48.0 | 41 | 57 | 25.6 | 85.3 | 53.5 | NW | 1 | | 0 | 3 | cu | S | clear | Emb3 | 31 | |
| SUMS | 8 | (a) | (a) | 806.391 | 94.797 | 1936.5 | 1653.0 | 1411 | 1750 | 496.8 | (a) | (a) | (a) | 79 | (a) | (a) | 10.3 | 127 | (a) | (a) | (a) | (a) | (a) |
| MEANS | (a) | 4.85 | (a) | 26.21 | 29.93 | 62.5 | 53.3 | 45.5 | 56.5 | 34.5 | (a) | (a) | (a) | 2.5 | (a) | (a) | 3.9 | (a) | (a) | (a) | (a) | (a) | (a) |

Reference letters in this form refer to paragraph 122.

† By dial when self-register is out of order

†† T indicates trace of precipitation

Number of Station barometer, 477; sum of corrections, -.061 inch.

Jul-1913

00

| OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO <u>5.20</u> P. M. <u>120</u> MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; <u>5.27</u> P. M. LOCAL MEAN TIME. | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------|-------------------|-------------------|---|---------------|-------|------------|--------------------|-------------------|-----------------|-------|------|-------|----------------|-----------|---------------------------------|------|-----------------|--|-----------|-----------------------|-------|------------|-------------------|
| DATE. | BAROMETER. | | | | THERMOMETERS. | | | | SELF-REG. THER'S. | WIND. | | | | PRECIPITATION. | CLOUDS. | | | | FOG, MID. TO MID. (local standard time). | | INITIALS OF OBSERVER. | DATE. | | |
| | Attached thermometer. | Observed reading. | Total correction. | Station. (Observed reading plus total cor.) | Dry. | Wet. | Dew-point. | Relative humidity. | | Vapor pressure. | Max. | Min. | Dir. | | Velocity. | Max. during preceding 12 hours. | Dir. | Amt. at 8 p. m. | Amt. | Kind. | | | Dir. from. | STATE OF WEATHER. |
| | In. | In. | In. | In. | (b) | (b) | (b) | (b) | In. | (b) | (b) | | (b) † | MI. | | (b) †† | In. | | | | (f) | (f) | | |
| Tuesday 1 | 90.5 | 26.110 | -20.6 | 25.904 | 29.79 | 95.5 | 60.5 | 31 | 11 | 192 | 96.5 | 59.5 | W | 13 | | 0 | 0 | 0 | 0 | clear | 0 | 0 | EmB | 1 Tuesday |
| 2 | 89.5 | 26.019 | -20.4 | 25.815 | 29.69 | 92.0 | 59.0 | 30 | 11 | 164 | 95.5 | 63.5 | WN | 24 | | 0 | 6 | li | N | Ptly cldy | 0 | 0 | EmB | 2 |
| 3 | 86 | 26.078 | -19.6 | 25.882 | 29.77 | 86.0 | 59.0 | 35 | 16 | 203 | 92.5 | 67.0 | W | 23 | | 0 | 2 | li | W | clear | 0 | 0 | EmB | 3 |
| 4 | 89 | 26.158 | -20.4 | 25.954 | 29.84 | 92.5 | 62.0 | 41 | 13 | 237 | 93.0 | 59.0 | SE | 10 | | 0 | 0 | 0 | 0 | clear | 0 | 0 | EmB | 4 |
| 5 | 94 | 26.219 | -21.6 | 26.003 | 29.90 | 97.0 | 63.0 | 37 | 14 | 219 | 98.0 | 61.0 | SE | 10 | | 0 | 4 | sc | S | Ptly cldy | 0 | 0 | EmB | 5 |
| 6 | 88 | 26.227 | -20.2 | 26.025 | 29.90 | 99.5 | 71.5 | 61 | 34 | 536 | 97.0 | 70.0 | N | 2 | | 0.6 | 7 | cu | N | Ptly cldy | 0 | 0 | EmB | 6 13 |
| 7 | 94 | 26.219 | -21.6 | 26.003 | 29.89 | 97.5 | 63.0 | 46 | 16 | 310 | 98.5 | 66.0 | SE | 8 | | 0 | 5 | cu | S | Ptly cldy | 0 | 0 | EmB | 7 |
| 8 | 88.5 | 26.199 | -20.3 | 25.995 | 29.89 | 89.5 | 64.5 | 50 | 26 | 360 | 98.0 | 72.0 | W | 3 | | 0 | 8 | cu | W | cloudy | 0 | 0 | EmB | 8 |
| 9 | 93 | 26.160 | -21.4 | 25.946 | 29.82 | 97.5 | 65.5 | 45 | 17 | 298 | 98.5 | 68.5 | SW | 3 | | 0 | 5 | cu | W | Ptly cldy | 0 | 0 | EmB | 9 13 |
| 10 | 91.5 | 26.179 | -21.0 | 25.969 | 29.83 | 103.0 | 67.5 | 46 | 15 | 310 | 103.0 | 70.5 | E | 2 | | 0 | 0 | 0 | 0 | clear | 0 | 0 | EmB | 10 |
| 11 | 94.5 | 26.179 | -21.4 | 25.965 | 29.77 | 101.5 | 70.0 | 54 | 21 | 417 | 101.5 | 72.0 | NE | 2 | | 0 | 0 | 0 | 0 | clear | 0 | 0 | EmB | 11 |
| 12 | 90.5 | 25.959 | -20.6 | 25.753 | 29.60 | 96.0 | 62.0 | 36 | 13 | 211 | 100.0 | 64.5 | NW | 15 | | 0 | 0 | 0 | 0 | clear | 0 | 0 | EmB | 12 |
| 13 | 89.5 | 25.939 | -20.4 | 25.735 | 29.58 | 93.0 | 62.0 | 40 | 14 | 247 | 97.5 | 71.0 | W | 15 | | 0 | 0 | 0 | 0 | clear | 0 | 0 | EmB | 13 |
| 14 | 86.5 | 26.058 | -19.7 | 25.861 | 29.75 | 93.0 | 62.0 | 40 | 14 | 247 | 94.0 | 60.0 | SE | 3 | | 0 | 5 | cu | SW | Ptly cldy | 0 | 0 | EmB | 14 |
| 15 | 84.5 | 26.159 | -19.3 | 25.966 | 29.88 | 89.0 | 57.5 | 28 | 10 | 150 | 90.5 | 56.5 | S | 8 | | 0 | 6 | cu | S | Ptly cldy | 0 | 0 | EmB | 15 |
| 16 | 87 | 26.147 | -20.6 | 25.941 | 29.86 | 91.0 | 60.5 | 37 | 13 | 219 | 95.0 | 54.0 | SE | 10 | | 0 | 5 | cu | S | Ptly cldy | 0 | 0 | EmB | 16 |
| 17 | 85.5 | 26.178 | -19.6 | 25.982 | 29.81 | 90.5 | 63.5 | 46 | 22 | 310 | 91.5 | 60.0 | W | 3 | | 0 | 8 | sc | S | cloudy | 0 | 0 | EmB | 17 13 |
| 18 | 80.5 | 26.258 | -18.4 | 26.074 | 30.01 | 79.0 | 64.0 | 56 | 45 | 448 | 83.0 | 62.0 | E | 2 | | 0 | 8 | sc | W | cloudy | 0 | 0 | EmB | 18 |
| 19 | 77.5 | 26.259 | -17.7 | 26.082 | 30.03 | 74.0 | 64.0 | 59 | 59 | 499 | 81.0 | 65.0 | N | 1 | | T | 8 | S | W | cloudy | 0 | 0 | EmB | 19 13 |
| 20 | 73.5 | 26.247 | -16.8 | 26.079 | 30.04 | 65.5 | 64.0 | 64 | 93 | 595 | 79.5 | 64.0 | N | 2 | | .03 | 8 | S | W | cloudy | 0 | 0 | EmB | 20 |
| 21 | 76.3 | 26.199 | -17.5 | 26.023 | 29.96 | 73.5 | 61.5 | 54 | 51 | 417 | 79.5 | 59.5 | SE | 10 | | .08 | 10 | N | S | Lt. Rain | 0 | 0 | EmB | 21 |
| 22 | 75 | 26.167 | -17.1 | 25.996 | 29.94 | 76.5 | 62.5 | 54 | 46 | 417 | 77.0 | 59.0 | SW | 6 | | .43 | 8 | S | W | cloudy | 0 | 0 | EmB | 22 |
| 23 | 78.5 | 26.129 | -17.9 | 25.950 | 29.87 | 80.5 | 59.5 | 45 | 29 | 297 | 82.0 | 60.0 | NE | 15 | | 0 | 7 | sc | N | Ptly cldy | 0 | 0 | EmB | 23 |
| 24 | 78 | 26.128 | -17.8 | 25.950 | 29.88 | 79.0 | 54.5 | 32 | 18 | 180 | 79.5 | 56.0 | S | 15 | | 0 | 3 | cu | S | clear | 0 | 0 | EmB | 24 |
| 25 | 73.5 | 26.118 | -16.6 | 25.952 | 29.92 | 66.0 | 56.0 | 42 | 54 | 347 | 74.0 | 57.0 | SW | 6 | | 0 | 8 | S | W | cloudy | 0 | 0 | EmB | 25 |
| 26 | 77.5 | 26.018 | -17.6 | 25.842 | 29.75 | 82.0 | 67.5 | 40 | 23 | 247 | 82.5 | 52.0 | E | 1 | | 0 | 7 | sc | W | Ptly cldy | 0 | 0 | EmB | 26 |
| 27 | 76.5 | 26.119 | -17.8 | 25.941 | 29.88 | 73.0 | 59.0 | 50 | 44 | 360 | 78.5 | 56.5 | SW | 1 | | 0 | 9 | sc | W | cloudy | 0 | 0 | EmB | 27 |
| 28 | 75 | 26.128 | -17.7 | 25.951 | 29.70 | 73.0 | 60.5 | 53 | 49 | 402 | 78.0 | 67.0 | NE | 1 | | 0 | 8 | sc | N | cloudy | 0 | 0 | EmB | 28 13 |
| 29 | 79.5 | 26.157 | -18.2 | 25.975 | 29.91 | 82.5 | 56.5 | 34 | 18 | 195 | 83.0 | 58.0 | S | 10 | | 0 | 1 | cu | S | clear | 0 | 0 | EmB | 29 |
| 30 | 81.5 | 26.238 | -18.6 | 26.052 | 30.00 | 86.5 | 63.0 | 49 | 29 | 347 | 86.5 | 57.0 | S | 8 | | 0 | 0 | 0 | 0 | clear | 0 | 0 | EmB | 30 |
| 31 | 76.5 | 26.278 | -17.5 | 26.103 | 30.03 | 88.5 | 69.5 | 36 | 16 | 211 | 90.0 | 53.5 | S | 12 | | 0 | 10 | S | S | cloudy | 0 | 0 | EmB | 31 |
| SUMS | 4105.68 | 5947 | 804.621 | 975.69 | 2679.5 | 19180 | 1377 | 856 | 957.6 | (a) | (a) | (a) | 23.1 | (a) | (a) | .53 | 156 | (a) | (a) | (a) | 0 | 0 | (a) | (a) |
| MEANS | (a) | (a) | 25.956 | 29.861 | 86.4 | 61.9 | 47.2 | 27.6 | 30.9 | (a) | (a) | (a) | SE | 7.5 | (a) | (a) | 5.0 | (a) | (a) | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

* All reduced bar. readings .05 too low.

(3)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Independence, Calif., for the Month of JUL - 1913, 191

Hourly Sunshine, Latitude 34° 46' N. (Local mean time is 7 min. *faster—*slower than † 122th meridian time.)

| DATE. | SUNSHINE DURING THE HOURS ENDING (standard of time in local use)— | | | | | | | | | | | | | | | | | | HOURS OF SUNSHINE. | | | CHARACTER OF— | | | Average daily cloudiness. (0-10) | DATE. | | |
|-------------------------|---|---|---|---|---|---|----|----|-------|-------|---|---|---|---|---|---|---|---|--------------------|-----------|-------------------------|---------------|---------|------------------------------|----------------------------------|-------|------|-------------------------|
| | A. M. | | | | | | | | | P. M. | | | | | | | | | Total. | Possible. | Percentage of possible. | Sunrise. | Sunset. | DAY. (Sunrise to sunset.) | | | | |
| | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Noon. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 1 | 1 | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 1 | 2 | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 1 | 3 | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 1 | 4 | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 2 | 5 | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | Partly cldy | 4 | 6 | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | Partly cldy | 4 | 7 | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | Partly cldy | 4 | 8 | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 2 | 9 | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 1 | 10 | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 1 | 11 | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 1 | 12 | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 2 | 13 | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 2 | 14 | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | Partly cldy | 4 | 15 | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | Partly cldy | 5 | 16 | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | Partly cldy | 4 | 17 | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | Partly cldy | 7 | 18 | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | Cloudy | 8 | 19 | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | Cloudy | 8 | 20 | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | Cloudy | 9 | 21 | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | Cloudy | 8 | 22 | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | Partly cldy | 6 | 23 | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 3 | 24 | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | PARTLY Cloudy | 4 | 25 | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 3 | 26 | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | Partly cldy | 5 | 27 | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | Partly cldy | 5 | 28 | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 2 | 29 | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 1 | 30 | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | Clear | 1 | 31 | | |
| Sums. | | | | | | | | | | | | | | | | | | | | | | | | (a) | (a) | (a) | 11.0 | Sums. |
| Percentage of possible. | | | | | | | | | | | | | | | | | | | | | | | | (a) | (a) | (a) | 3.5 | Percentage of possible. |

*Cancel the word that is not appropriate. † Enter the standard of time in local use.

PAGES(S)

5,6

MISSING

| DATE. | A. M. <u>Independence, Calif.</u> | | | | | | | | | | | | P. M. <u>Jul 1913</u> | | | | | | | | | | 24 HOURS. | | | | DATE. | | |
|--------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|----------|----------------|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|-----------|-----------------|--------|---------------|-------|------|----------|
| | 0 to 1 | 1 to 2 | 2 to 3 | 3 to 4 | 4 to 5 | 5 to 6 | 6 to 7 | 7 to 8 | 8 to 9 | 9 to 10 | 10 to 11 | 11 to 12 Noon. | Noon to 1 | 1 to 2 | 2 to 3 | 3 to 4 | 4 to 5 | 5 to 6 | 6 to 7 | 7 to 8 | 8 to 9 | 9 to 10 | 10 to 11 | 11 to 12 Mid't. | Total. | Max. Vel. (b) | | Dir. | Ex. Vel. |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | 14 | W | | 1 | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | 24 | W | | 2 | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | 24 | NW | | 3 | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | 14 | NW | | 4 | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | 14 | SE | | 5 | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | 14 | W | | 6 | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | 14 | S | | 7 | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | 20 | W | | 8 | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | 14 | SW | | 9 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | 16 | NW | | 10 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | N | | 11 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | 16 | NW | | 12 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | 18 | W | | 13 | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | S | | 14 | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | S | | 15 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | 18 | SE | | 16 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | S | | 17 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | 8 | N | | 18 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | 6 | NE | | 19 | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | 18 | S | | 20 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | SE | | 21 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | 6 | S | | 22 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | 18 | E | | 23 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | 20 | S | | 24 | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | 18 | SW | | 25 | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | 16 | NW | | 26 | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | S | | 27 | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | 26 | S | | 28 | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | S | | 29 | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 14 | S | | 30 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | S | | 31 | |
| Sums. | | | | | | | | | | | | | | | | | | | | | | | | | | (a) | (a) | (a) | Sums. |
| Means. | | | | | | | | | | | | | | | | | | | | | | | | | | (a) | (a) | (a) | Means. |

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Independence, Calif., for the Month of JUL = 1913, 1913

| DATE. | TEMPERATURE. | | | | | | | PRECIPITATION. | | | | | | | | | | | | | DATE. | | | | | | |
|-------|--------------|----------|--------|---------|-----------------------|---------|------------|--|------------|------------|---------|------------|------------|---------|------------|------------|---------|-----------------------|---------|------------|-------|--|---------------------------------------|-----------------------------|--|--|------|
| | Maximum. | Minimum. | Range. | Change. | Mean. (Max. and Min.) | Normal. | Departure. | Total excess or deficiency since 1st of month. | Character. | Beginning. | Ending. | Character. | Beginning. | Ending. | Character. | Beginning. | Ending. | Total (Mid. to mid.). | Normal. | Departure. | | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. *p. m. to †† | Snow unmelted. *p. m. to †† | Hail, sleet and snow on ground at †† p. m. | Amount of precipitation from melted snow (mid. to mid.). | |
| Tues | ✓ | ✓ | ° | ✓ | ° | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | 1 | Tues |
| 1 | 96 | 59 | 37 | 4 | 78 | 77 | +1 | +1 | | | | | | | | | | 0 | 0.00 | 0.00 | 0.0 | 0 | 0 | 0 | 0 | 2 | ✓ |
| 2 | 96 | 64 | 32 | 2 | 80 | 77 | +3 | +4 | | | | | | | | | | 0 | .01 | -.01 | -.01 | 0 | 0 | 0 | 0 | 3 | |
| 3 | 92 | 67 | 25 | 0 | 80 | 77 | +3 | +7 | | | | | | | | | | 0 | .00 | 0.0 | -.01 | 0 | 0 | 0 | 0 | 4 | |
| 4 | 92 | 59 | 33 | 4 | 76 | 77 | -1 | +6 | | | | | | | | | | 0 | .01 | -.01 | -.02 | 0 | 0 | 0 | 0 | 5 | |
| 5 | 98 | 60 | 38 | 3 | 79 | 78 | +1 | +7 | | | | | | | | | | 0 | .00 | 0.0 | -.02 | 0 | 0 | 0 | 0 | 6 | |
| 6 | 97 | 70 | 27 | 5 | 84 | 78 | +6 | +13 | R | 1-45 | 2-15 | | | | | | | .06 | .01 | +0.5 | +0.3 | 0 | 0 | 0 | 0 | 7 | 13 |
| 7 | 98 | 66 | 32 | 2 | 82 | 78 | +4 | +17 | | | | | | | | | | 0 | .00 | 0.0 | +0.3 | 0 | 0 | 0 | 0 | 8 | |
| 8 | 98 | 72 | 26 | 3 | 85 | 78 | +7 | +24 | | | | | | | | | | 0 | .01 | -.01 | +0.2 | 0 | 0 | 0 | 0 | 9 | |
| 9 | 98 | 68 | 30 | 2 | 83 | 78 | +5 | +29 | | | | | | | | | | 0 | .00 | 0.0 | +0.2 | 0 | 0 | 0 | 0 | 10 | 13 |
| 10 | 103 | 70 | 33 | 3 | 86 | 78 | +8 | +37 | | | | | | | | | | 0 | .01 | -.01 | +0.1 | 0 | 0 | 0 | 0 | 11 | |
| 11 | 102 | 72 | 30 | 1 | 87 | 78 | +9 | +46 | | | | | | | | | | 0 | .00 | 0.0 | +0.1 | 0 | 0 | 0 | 0 | 12 | |
| 12 | 100 | 64 | 36 | 5 | 82 | 78 | +4 | +50 | | | | | | | | | | 0 | .00 | 0.0 | +0.1 | 0 | 0 | 0 | 0 | 13 | |
| 13 | 98 | 71 | 27 | 2 | 84 | 78 | +6 | +56 | | | | | | | | | | 0 | .00 | 0.0 | +0.1 | 0 | 0 | 0 | 0 | 14 | |
| 14 | 94 | 60 | 34 | 7 | 77 | 79 | -2 | +54 | | | | | | | | | | 0 | .01 | -.01 | 0.0 | 0 | 0 | 0 | 0 | 15 | |
| 15 | 90 | 56 | 34 | 4 | 73 | 79 | -6 | +48 | | | | | | | | | | 0 | .00 | 0.0 | 0.0 | 0 | 0 | 0 | 0 | 16 | |
| 16 | 95 | 54 | 41 | 1 | 74 | 79 | -5 | +43 | | | | | | | | | | 0 | .01 | -.01 | -.01 | 0 | 0 | 0 | 0 | 17 | |
| 17 | 92 | 60 | 32 | 2 | 76 | 79 | -3 | +40 | R | 7-20 | 7-45 | | | | | | | .06 | .00 | +0.6 | +0.5 | 0 | 0 | 0 | 0 | 18 | 13 |
| 18 | 83 | 62 | 21 | 4 | 72 | 79 | -7 | +33 | | | | | | | | | | 0 | .01 | +0.1 | +0.4 | 0 | 0 | 0 | 0 | 19 | |
| 19 | 81 | 65 | 16 | 1 | 73 | 79 | -6 | +27 | R | 2-40 | 3-10 | | | | | | | T | .00 | +0.0 | +0.4 | 0 | 0 | 0 | 0 | 20 | 13 |
| 20 | 80 | 59 | 21 | 2 | 70 | 79 | -9 | +17 | R | 2-50 | 3-25 | | | | | | | .03 | .01 | +0.2 | 0.6 | 0 | 0 | 0 | 0 | 21 | |
| 21 | 80 | 60 | 20 | 2 | 70 | 79 | -9 | +8 | R | 7-59 | 7-59 | R | 7-03 | 7-10.9 | | | | .03 | .00 | +0.3 | +0.9 | 0 | 0 | 0 | 0 | 22 | |
| 22 | 77 | 59 | 18 | 2 | 68 | 79 | -11 | -3 | R | 7-15 | 9-35 | | | | | | | 1.33 | .01 | +1.32 | +1.41 | 0 | 0 | 0 | 0 | 23 | |
| 23 | 82 | 60 | 22 | 3 | 71 | 79 | -8 | +11 | | | | | | | | | | 0 | .00 | 0.0 | +1.41 | 0 | 0 | 0 | 0 | 24 | |
| 24 | 80 | 53 | 27 | 3 | 68 | 79 | -11 | -11 | | | | | | | | | | 0 | .00 | 0.0 | +1.41 | 0 | 0 | 0 | 0 | 25 | |
| 25 | 74 | 51 | 23 | 6 | 62 | 79 | -17 | -17 | | | | | | | | | | 0 | .00 | 0.0 | +1.41 | 0 | 0 | 0 | 0 | 26 | |
| 26 | 82 | 52 | 30 | 5 | 67 | 79 | -12 | -12 | R | 1-9m | 3-35 | | | | | | | .05 | .01 | +0.4 | +1.45 | 0 | 0 | 0 | 0 | 27 | |
| 27 | 78 | 56 | 22 | 0 | 67 | 79 | -12 | -12 | | | | | | | | | | 0 | .00 | 0.0 | +1.45 | 0 | 0 | 0 | 0 | 28 | |
| 28 | 78 | 58 | 20 | 1 | 68 | 79 | -11 | -11 | | | | | | | | | | 0 | .01 | -.01 | +1.44 | 0 | 0 | 0 | 0 | 29 | 13 |
| 29 | 83 | 58 | 25 | 2 | 70 | 79 | -9 | -9 | | | | | | | | | | 0 | .00 | 0.0 | +1.44 | 0 | 0 | 0 | 0 | 30 | |
| 30 | 86 | 53 | 33 | 0 | 70 | 79 | -9 | -9 | | | | | | | | | | 0 | .00 | 0.0 | +1.44 | 0 | 0 | 0 | 0 | 31 | |
| 31 | 90 | 54 | 36 | 2 | 72 | 79 | -7 | -7 | | | | | | | | | | 0 | .00 | 0.0 | +1.44 | 0 | 0 | 0 | 0 | 31 | |
| S | 27.4 | 17.4 | 10.0 | 8.0 | 73.3 | 78.3 | -5.0 | -5.0 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 1.56 | 0.12 | 0.0 | 0.0 | 0 | 0 | (a) | (a) | (a) | |
| M | 89.5 | 61.1 | 28.4 | 2.6 | 75.3 | 78.3 | -3.0 | -3.0 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | |

All data are in the standard of time in local use. † Use the following abbreviations: R--rain, S^d--dry snow, S^m--moist snow, H--hail, Sl--sleet. †† T indicates trace of precipitation, †† Enter the local standard time of observation. * Inches and tenths.

SUMMARY FOR THE MONTH OF

JUL - 1913

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DW

Data for pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

| PRESSURE. | | | | | | | | | | | | | | | | | | | | |
|--|--|--------------------------|--------------------------------|-----------------|----------------|---|---|-------------------|-------------------------------------|---------------|---------------|-----------------|---------------|---------|-----------------|---------------------|-----------------------|--------------------------------|--------------------|----------|
| (Correction to reduce to a 24-hour mean 7.215) | | | | | | | | | | | | | | | | | | | | |
| STATION. | | | | | | | | | REDUCED. X | | | | | | | | | | | |
| MEAN. | | | Highest. | Date. | Lowest. | Date. | Absolute range. | MEAN. | | | Highest. | Date. | Lowest. | Date. | Absolute range. | | | | | |
| 8 a. m. | 8 p. m. | Monthly (g) | (h) | | (h) | | | 8 a. m. | 8 p. m. | Monthly (g) | (h) | | (h) | | | | | | | |
| 26013 | 25956 | 25984 | 26112 | 31 | 25735 | 13 | 377 | 29934 | 29861 | 29898 | 3005 | 31 | 2958 | 13 | 47 | | | | | |
| Corrected mean 25999 | | | | | | Corrected mean 29912 | | | 3,500-ft. 2648 | | | 10,000-ft. 2097 | | | | | | | | |
| TEMPERATURE. All reduced bar. readings .05 too low. | | | | | | | | | | | | | | | | | | | | |
| MEAN. | | | | | | | | | | | | | | | | | | | | |
| DRY. | | | WET. | | | MAX. | MIN. | Monthly. | Sea-level. | 3,500-ft. | 10,000-ft. | Highest. | Date. | Lowest. | Date. | Absolute range. | Greatest daily range. | Date. | Least daily range. | Date. |
| 8 a. m. | 8 p. m. | (8+8)÷2 (g) | 8 a. m. | 8 p. m. | Monthly (g) | | | (g) | (g) | (g) | (g) | (i) | (i) | (i) | (i) | | (i) | (i) | (i) | (i) |
| 62.5 | 86.4 | 74.4 | 53.3 | 61.9 | 57.6 | 89.5 | 61.1 | 75.3 | 70.8 | 68.0 | 39.6 | 103 | 10" | 51 | 75 | 52 | 41 | 16" | 16 | 19" |
| DEW-POINT. | | | RELATIVE HUMIDITY. | | | VAPOR PRESSURE. | | | NUMBER OF DAYS WITH—(j) | | | | | | | | | | | |
| 8 a. m. | 8 p. m. | Monthly (g) | 8 a. m. | 8 p. m. | Monthly (g) | 8 a. m. | 8 p. m. | Monthly (g) | MAXIMUM. | | MINIMUM. | | | | | | | | | |
| 45.5 | 44.5 | 45.0 | 57.8 | 42.1 | 47.0 | 317 | 309 | 312 | 32° or below. | 90° or above. | 32° or below. | Zero or below. | | | | | | | | |
| | | | | | | 0 | 18 | 0 | | | | | | | | | | | | |
| WIND. | | | | | | | | | | | | | | | | | | | | |
| Total movement (mid. to mid.) | Average hourly velocity. | Prevailing direction (p) | Maximum velocity (r) | Direction (r) | Date (r) | NUMBER OF TIMES WIND OBSERVED FROM THE— | | | | | | | | | | | | | | |
| 3936 | 5.3 | nw | 26 | S | 28" | N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. | | | | | | |
| | | | | | | 14 | 4 | 3 | 7 | 7 | 5 | 6 | 15 | 1 | | | | | | |
| WEATHER. | | | | | | | | | | | | | | | | | | | | |
| MEAN CLOUDINESS. | | | SUNSHINE. | NUMBER OF DAYS. | | | NUMBER OF DAYS WITH PRECIPITATION (Mid. to Mid.). | | | | | | | | | | | | | |
| 8 a. m. | 8 p. m. | Monthly (t) | Percentage of possible. | Clear. | Partly cloudy. | Cloudy. | Clear (u) | Partly cloudy (u) | Cloudy (u) | | | | | | | | | | | |
| 3.9 | 5.0 | 3.5 | | 16 | 11 | 4 | 1 | 2 | 13 | | | | | | | | | | | |
| MISCELLANEOUS PHENOMENA. | | | | | | | | | | | | | | | | | | | | |
| DATES OF—(MIDNIGHT TO MIDNIGHT). | | | | | | | | | | | | | | | | | | | | |
| FROSTS. | | | THUNDERSTORMS. | WINDS. | SOLAR HALOS. | LUNAR HALOS. | Fog. | HAZE. | SMOKE. | HAIL. | AURORA. | | | | | | | | | |
| None | | | 6-9-17-19-28 | None | None | None | None | None | None | None | None | | | | | | | | | |
| PRECIPITATION (in inches and hundredths). (m) | | | | | | | | | | | | | | | | | | | | |
| TOTAL AMOUNT. | GREATEST AMOUNT IN 24 CONSECUTIVE HOURS. | | EXCESSIVE. | | | | | | NUMBER OF DAYS WITH—(Mid. to Mid.). | | | | | | SNOW. | | | | | |
| | Am't. | Date (k) | 2.50 INCHES IN 24 HOURS. (l) * | | | 1 INCH PER HOUR. (l) | | | Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Trace or more. | .01 or more melted. | TOTAL DEPTH. (o) | AVERAGE DEPTH AT END OF MONTH. | | |
| 1.56 | 1.33 | 22 | None | | | | | | 1 | 6 | 4 | 1 | 1 | 7 | 0 | 0 | 0 | 0 | | |
| (w) Maximum precipitation in 5 minutes .07, date 22; 10 minutes .13, date 22; 15 minutes .18, date 22; 30 minutes No, date 22; 1 hour .42, date 22; 2 hours .60, date 22 | | | | | | | | | | | | | | | | | | | | |
| EXCESSIVE. | | | | | | | | | | | | | | | | | | | | |
| DATE. | TOTAL DURATION. | | Total am't of precipitation. | EXCESSIVE RATE. | | Am't before excessive began. | ACCUMULATED DEPTH DURING EXCESSIVE RATE, FOR CONSECUTIVE PERIODS OF TIME INDICATED BELOW. | | | | | | | | | | | | | |
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| None | | | | | | | | | | | | | | | | | | | | |

*The duration is the time precipitation was actually recorded.

