

# CLIMATOLOGICAL DATA

WBO, Reno, 8-20-34-820.

## 22 NEVADA SECTION

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### GENERAL SUMMARY

Temperatures were generally above normal during July, the average departure being +2.2°. In the Carson and Walker River valleys and at a few scattered stations, however, departures were below normal. The highest temperatures at Beowawe, 107°, Thorne, 106°, and Yerington, 104°, equalled the record high temperatures for those stations.

The month was dry. The State average was slightly more than half the normal precipitation. Only four stations, Montello, Mina, Caliente and Las Vegas had more than the normal precipitation, this being due to heavy local showers. At Montello, 0.75 inch of rain fell in one storm, this being the greatest 24-hour rainfall during the 38 years of record. At 14 stations there was no precipitation.

Drought conditions were intensified. Most low level ranges had already been abandoned and during July it became necessary to abandon some of the mountain ranges, because of failing springs or waterholes. Livestock showed the effects of drying ranges and losses of sheep and lambs continued.

A light wild hay crop, generally not more than one-fourth of the normal, was harvested. Where water for irrigation was sufficient, the second crop of alfalfa was good.

A program of deep well digging to provide water for livestock was getting under way during the month. Where water and feed were lacking and losses imminent, livestock were being purchased by government agencies for slaughter.

Country roads were generally fair but becoming rough and dusty.

### TEMPERATURE

The average monthly temperature for the State based on the records of 42 stations was 74.5°, which is 2.2° above the mean for the past 46 years.

The highest recorded was 118° at Logandale on the 12th and 13th.

The lowest was 27° at Canyon Creek Ranch on the 8th.

The greatest daily range was 61° at Elko on the 11th and at Canyon Creek Ranch on the 5th and 12th.

The highest monthly mean was 90.8° at Boulder City.

The lowest was 58.6° at Marlette Lake.

### PRECIPITATION

The average monthly precipitation for the State based on the records of 51 stations was 0.20 inch; which is 0.17 inch below the mean for the past 46 years.

The average amount at 4 stations in the Columbia basin was 0.01 inch; at 15 stations in the Humboldt basin 0.16 inch; at 6 stations in the Truckee basin a trace; at 5 stations in the Carson basin 0.03 inches; at 7 stations in the Walker basin 0.13 inch; at 4 stations in the Colorado basin 0.84 inch; at 15 stations in the minor basins 0.24 inch.

The greatest monthly fall was 1.18 inches at Boulder City.

There was no precipitation at 14 stations.

The average number of days with precipitation was one.

### MISCELLANEOUS PHENOMENA

(Dates of)

Solar Halos—Winnemucca, 1.  
Lunar Halos—Searchlight, 19.  
Thunderstorms—Caliente, 1, 2, 29, 30; Elko, 19, 29, 30; Hylton, 18, 19, 26, 30; Las Vegas, 28; Montello, 24; North Fork, 30, 31; Reno, 29; Searchlight, 3, 24, 27; Winnemucca, 2, 29.

### PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)				Wind			Relative humidity			Percentage of sunshine		
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	5 a. m.		12 noon	5 p. m.
Reno.....	29.89	30.05	29	29.68	18	7.8	25	w.	14	50	16	17	97
Winnemucca	29.90	30.11	1	29.62	19	7.5	28	s.	28	37	13	11	94
Tonopah....	29.84	30.06	29	29.67	13	.....	.....	.....	.....	34	.....	19	.....

### COMPARATIVE DATA FOR JULY

Year	Temperature				Precipitation				Number of days				
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average Snowfall	Precip. 0.1 inch, or more	Clear	Partly cloudy	Cloudy
1889.....	76.1	+3.8	119	36	0.17	-0.20	0.79	0	0	1	29	1	1
1890.....	74.0	+1.7	118	28	0.15	-0.22	1.15	0	0	1	22	1	1
1891.....	70.4	-1.9	102	26	0.53	+0.16	1.52	0	0	3	17	8	2
1892.....	70.6	-1.7	115	30	0.67	-0.30	0.67	0	0	1	23	6	5
1893.....	70.3	-2.0	110	24	0.40	+0.03	1.83	0	0	2	26	4	3
1894.....	71.7	-0.6	108	32	0.75	+0.38	3.10	0	0	5	17	9	5
1895.....	70.2	-2.1	112	28	0.65	-0.32	0.46	0	0	1	25	4	2
1896.....	72.7	+0.4	112	33	0.79	+0.42	2.87	0	0	2	14	9	5
1897.....	69.4	+2.9	116	25	0.28	-0.09	1.41	0	0	1	20	7	4
1898.....	73.5	+1.2	114	30	0.12	-0.25	0.96	0	0	1	23	6	4
1899.....	72.6	+0.3	106	34	0.14	-0.23	0.61	T.	0	2	22	5	4
1900.....	70.9	-1.4	113	33	0.37	0	2.35	0	0	1	23	4	4
1901.....	70.8	-1.5	109	31	0.31	-0.06	1.19	0	0	2	21	6	5
1902.....	67.9	-4.4	116	25	0.44	+0.07	2.00	0	0.5	2	21	5	1
1903.....	65.4	-6.9	111	26	0.61	-0.36	0.30	0	0	1	27	3	1
1904.....	68.7	-3.6	110	30	0.51	+0.14	3.82	0	0	3	19	8	4
1905.....	72.1	-0.2	109	31	0.63	-0.34	0.40	0	0	1	24	5	5
1906.....	74.7	+2.4	114	32	0.68	+0.31	4.58	0	0	4	17	8	2
1907.....	69.2	-3.1	113	27	0.66	-0.31	0.60	0	0	1	22	6	6
1908.....	74.3	+2.0	116	32	0.42	+0.05	1.78	0	0	3	18	10	6
1909.....	69.5	-2.8	112	23	0.14	-0.23	0.93	0	0	2	23	6	8
1910.....	72.9	+0.6	110	28	0.65	+0.28	2.62	0	0	3	18	9	2
1911.....	70.9	-1.4	109	30	0.31	-0.46	1.59	0	0	3	17	10	7
1912.....	68.6	-3.7	113	25	0.67	+0.30	2.60	T.	0	4	17	7	4
1913.....	69.1	-3.2	113	18	1.30	+0.93	4.51	T.	0	6	16	4	6
1914.....	72.4	+0.1	118	32	0.52	+0.15	1.70	0	0	3	16	10	5
1915.....	70.8	-1.5	110	31	0.38	+0.07	3.50	0	0	2	19	8	4
1916.....	71.0	-1.3	113	30	0.31	-0.06	1.23	0	0	2	25	4	2
1917.....	74.5	+2.2	111	31	0.46	+0.09	2.15	0	0	2	21	7	7
1918.....	72.9	+0.6	112	21	0.33	-0.04	2.50	0	0	2	21	7	7
1919.....	75.2	+2.9	113	35	0.28	-0.09	4.01	0	0	1	23	7	1
1920.....	72.7	+0.6	113	33	0.14	-0.23	1.25	0	0	1	24	5	2
1921.....	74.2	+1.9	114	27	0.19	-0.18	1.92	0	0	1	24	4	4
1922.....	74.1	+1.8	116	33	0.54	+0.17	1.80	0	0	3	20	7	7
1923.....	73.9	+1.6	116	24	0.42	+0.05	2.52	0	0	2	22	6	3
1924.....	73.0	+0.7	117	31	0.16	-0.21	0.91	0	0	1	22	7	7
1925.....	74.6	+2.3	117	40	0.97	+0.60	2.45	T.	0	4	19	7	4
1926.....	74.1	+1.8	116	33	0.43	+0.06	1.33	0	0	3	20	7	7
1927.....	74.5	+2.2	118	27	0.26	-0.11	1.84	0	0	2	21	6	6
1928.....	73.6	+1.3	114	32	0.16	-0.21	1.19	0	0	1	23	6	6
1929.....	74.1	+1.8	115	30	0.14	-0.23	0.83	0	0	1	23	5	4
1930.....	73.1	+0.8	115	30	0.16	-0.21	0.86	0	0	1	21	6	6
1931.....	78.2	+5.9	119	33	0.14	-0.23	1.23	0	0	1	22	6	6
1932.....	72.7	+0.4	116	30	0.43	+0.06	1.56	0	0	2	23	5	7
1933.....	76.4	+4.3	118	32	0.34	-0.03	3.26	0	0	2	21	7	7
1934.....	74.5	+2.2	118	27	0.20	-0.17	1.18	0	0	1	24	5	5
Period....	72.3	.....	119	18	0.37	.....	4.58	0	T.	2	22	6	3

Climatological Data for July, 1934

Table with columns: Stations, Counties, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date, Greatest daily range), Precipitation (Total, Departure from normal, Greatest in 24 hours, Total snowfall), Number of days (With precipitation, Clear, Partly cloudy, Cloudy), Prevailing direction of the wind, Observers.

\*Station normals are based on records to 1930 inclusive. State normals on records to 1933 inclusive.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

\*\*Post office addresses of these stations are as follows: Of Alamo, Hiko; of Clay City, Death Valley, Calif.; of Clover Valley, Wells; of Hylton Jiggs; of Lahontan, Fallon of Mahoney Ranger Station, Jarbridge; of Zorra Vista Ranch, Gerlach; of Sand Pass, Flanigan; of Shields Ranch, Coleville, Calif.; of Gold Creek, North Fork; of Millet Round Mountain; of Sheldon, Cedarville, Calif.

Reference letters, a, b, c, appearing in the table indicate number of days missing, for example, b represents two days missing, etc.

† Also on other dates. †† Received too late to be included in the means and summaries. § Formerly Rye Patch.

T. Precipitation less than 0.01 inch rain or melted snow.

Daily Precipitation for July, 1934

Table with columns: Stations, Day of month (1-31), Total. Rows include Columbia Basin (Gold Creek, Mahoney Ranger Station, Owyhee, San Jacinto, Tuscarora), Humboldt Basin (Arthur, Austin, Battle Mountain, Beowawe, Canyon Creek Ranch, Clover Valley, Elko, Golconda, Hylton, Imlay, Lamolle, Lovelock, Montello, North Fork, Paradise Valley, Winnemucca), Truckee Basin (Lewers Ranch, Marlette Lake, Nixon, RENO, Tahoe, Truckee), Carson Basin (Carson City, Fallon, Lahontan, Minden, Markleeville), Walker Basin (Mina, Schurz, Smith, Thorne, Yerington, Bridgeport, Shields Ranch), Colorado Basin (Boulder City, Caliente, Las Vegas, Logandale), and Minor Basins (Alamo, Beatty, Clay City, Gerlach, Goldfield, Kimberly, McGill, Millett, Orovada, Sand Pass, Searchlight, Sharp, Sheldon, Sulphur, Tonopah, Zorra Vista Ranch).

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. \*\*\* Regular Weather Bureau stations; precipitation is for the 24-hour period, midnight to midnight. T, Trace, or less than 0.01 inch. IIII Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. \* Precipitation included in next following measurement. } Separate dates of falls not recorded. Interpolated data in bold face type.

Daily Evaporation (inches) and Wind Movement (miles) for July, 1934  
(See temperature and precipitation data in climatological tables, pages 26 to 28)

Table with columns: Stations, Data (Evaporation, Wind movement), Day of month (1-31), Monthly. Rows include Clay City, Lahontan, Lamolle, and Tahoe, Calif.

\* Observations taken at 7 a. m. : \*\* at 8 a. m. : \*\*\* at 4 p. m. } Included in next following entry. § Wind movement by 4-cup anemometer. †† 1.024. ††† 1.058. §§ 1.157.

Daily Temperatures for July, 1934

Table with columns for Stations, days 1-31, and Mean. Rows are grouped by basin: Columbia Basin, Humboldt Basin, Truckee Basin, Carson Basin, Walker Basin, Colorado Basin, and Minor Basins. Each station entry includes Maximum and Minimum temperature values.

§§ Instruments are read in the morning, the maximum temperature then read is charged to the preceding day, on which it almost always occurs.