

# CLIMATOLOGICAL DATA

WBO, Reno, 9-22-36-820.

## 22 NEVADA SECTION

G. V. SAGER

VOL. LI RENO, NEVADA, AUGUST, 1936 No. 8

### GENERAL SUMMARY

The month of August 1936 averaged 2.4° above normal in temperature and 0.02 inch above normal in precipitation over Nevada. The first ten and last four days were above normal in temperature. From the 11th to the 26th there were periods slightly below normal interspersed with others slightly above normal. The general average for the western and eastern border portions was above and that for the interior stations generally slightly below normal.

Most of the precipitation fell during the first 17 days of the month. From the 18th to the 27th none fell and only light scattered showers during the last four days of the month. Amounts were considerably above normal over eastern Nye and Lincoln Counties, in the area centering around Lake Tahoe and in the north-central portions of Humboldt and Elko Counties, and below normal over the other portions of the State. There was some damage to roads, culverts and irrigation ditches by heavy showers in the vicinities of Arthur, Austin and Yerington.

Aside from the delay in harvesting and occasional damage by showers to hay and grain when cut, weather conditions were favorable for agriculture, all growing crops profiting by the rains. Ranges were improved in most localities and cattle and sheep were generally in good condition at the close of the month.

### TEMPERATURE

The average monthly temperature for the State based on the records of 39 stations was 72.9°, which is 2.4° above the mean for the past 48 years.

The highest recorded was 112° at Logandale on the 24th.

The lowest was 33° at San Jacinto on the 23rd and at Elko on the 25th.

The greatest daily range was 59° at San Jacinto on the 24th.

The highest monthly mean was 88.2° at Logandale.

The lowest was 61.4° at Marlette Lake.

### PRECIPITATION

The average monthly precipitation for the State based on the records of 46 stations was 0.53 inch, which is 0.02 inch above the mean for the past 48 years.

The average amount at 1 station in the Columbia basin was 0.58 inch; at 15 stations in the Humboldt basin 0.53 inch; at 6 stations in the Truckee basin 0.43 inch; at 5 stations in the Carson basin 0.29 inch; at 5 stations in the Walker basin 0.50 inch; at 4 stations in the Colorado basin 0.97 inch; at 13 stations in the minor basins 0.50 inch.

The greatest monthly fall was 2.08 inches at Sharp.

There was no precipitation at two stations.

The average number of days with precipitation was 4.

### MISCELLANEOUS PHENOMENA

(Dates of)

Thunder storms: Alamo, 3, 4, 8, 9, 11, 12, 15, 28, 30; Elko, 3, 4, 5, 9, 14, 16, 30, 31; Hylton, 8, 11, 13, 14, 30; Imlay, 10; McGill, 15; Reno, 4, 10, 11, 12, 29; North Fork, 1, 3, 12; Orovida, 1, 2, 10, 11, 30; Searchlight, 1, 2, 5, 6, 7, 12, 15, 19; Winnemucca, 1, 2, 4, 10, 11, 16, 30.

### 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	4	29.72	20	6.4	26	ne.	4	52	19	20	88
Winnemucca	29.92	30.17	27	29.73	19	6.9	25	se.	4	52	22	22	81
Tonopah.....	29.86	30.04	9	29.68	19	.....	.....	.....	.....	41	.....	20	.....

### COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation		Number of days			
	Mean	Highest	Lowest	Average	Average Snowfall	Precip. .01 inch. or more	Clear	Partly cloudy	Cloudy
1889.....	73.2	117	29	1.06	0	2	19	6	6
1890.....	70.1	110	28	2.06	0	5	16	9	6
1891.....	72.0	101	25	0.44	0	0	21	6	4
1892.....	71.2	105	20	0.01	0	2	21	9	1
1893.....	71.1	104	25	0.26	0	0	16	7	7
1894.....	71.0	105	30	0.45	0	4	17	7	8
1895.....	70.6	112	24	0.15	T	1	18	8	4
1896.....	69.0	109	34	0.82	0	3	16	8	7
1897.....	73.3	110	31	0.31	0	0	17	8	6
1898.....	73.6	112	29	0.45	0	3	18	8	5
1899.....	63.7	99	20	0.82	T	3	19	7	3
1900.....	65.6	110	30	0.04	0	0	22	6	3
1901.....	68.3	101	29	2.05	0	6	17	5	9
1902.....	68.9	117	30	0.22	0	2	21	5	5
1903.....	69.7	114	28	0.10	0	1	24	6	1
1904.....	68.6	105	22	1.81	0	1	21	6	11
1905.....	70.7	108	31	0.27	0	1	21	6	4
1906.....	70.2	111	26	0.20	0	3	20	3	7
1907.....	67.7	109	22	0.31	0	2	20	4	4
1908.....	69.7	108	18	0.36	0	2	17	8	3
1909.....	70.9	112	25	0.48	0	2	21	7	6
1910.....	69.3	111	20	0.08	0	1	25	4	2
1911.....	67.3	110	27	0.01	0	0	27	3	1
1912.....	67.7	110	23	0.35	0	2	23	5	3
1913.....	70.4	109	25	0.75	0	5	15	11	5
1914.....	72.5	122	14	0.14	0	1	23	7	1
1915.....	73.3	112	32	0.08	0	1	25	5	1
1916.....	67.7	112	21	0.25	0	1	23	5	3
1917.....	70.6	108	32	0.35	0	2	20	7	4
1918.....	67.4	112	28	0.23	0	1	22	6	3
1919.....	72.6	111	32	0.09	0	1	23	6	3
1920.....	71.0	113	28	0.88	0	3	24	4	4
1921.....	71.8	110	30	0.42	0	2	23	5	3
1922.....	70.7	110	25	1.14	0	5	18	7	6
1923.....	69.3	108	24	0.65	0	3	21	5	5
1924.....	70.5	114	28	0.13	0	1	23	6	2
1925.....	68.2	112	21	0.36	0	5	19	6	6
1926.....	71.6	112	22	0.24	0	2	22	5	3
1927.....	69.9	111	21	0.37	0	2	22	6	3
1928.....	70.6	115	29	0.07	0	1	25	4	2
1929.....	74.1	111	31	0.68	0	3	18	8	5
1930.....	70.5	111	25	0.80	0	5	16	9	6
1931.....	73.3	116	28	0.86	0	3	18	8	5
1932.....	71.0	116	24	0.28	0	1	25	4	2
1933.....	72.2	120	12	0.19	0	1	23	6	3
1934.....	74.3	117	28	0.30	0	2	21	7	3
1935.....	72.6	114	29	0.38	0	2	23	6	3
1936.....	72.9	112	33	0.53	0	4	18	9	4
Period.....	70.5	122	14	0.51	T.	2	20	7	4

Climatological Data for August, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				Number of days			Prevailing direction of the wind	Observer		
				Mean	*Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	*Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	With precipitation (0.01 inch or more)			Clear	Partly cloudy
<b>Columbia Basin</b>																				
Gold Creek (near)**	Elko	6,600								19	0.58	-0.57	0.20	0	5	16	8	7	U. S. Forest Service.	
Mahoney Ran. Sta.**	do	6,200								15									Do.	
Owyhee	do	5,400	14							14									U. S. Indian Agency.	
San Jacinto	do	5,200	31	64.6	+1.8	95	3	33	23	59	31			0					Utah Construction Co.	
Tuscarora (near)	do									26									D. B. Williams.	
<b>Humboldt Basin</b>																				
Arthur	Elko	6,500								31	1.10	-0.11	0.44	0	6	19	12	0	Isaac Woodhouse.	
Austin	Lander	6,594	44	69.3	+1.0	92	3	44	27	44	44	0.78	-0.01	0.30	0	5	20	10	1	Miss Phil. Borrego.
Battle Mountain	do	4,513	57	73.0	-0.1	101	3	38	24	52	66	0.18	-0.02	0.10	0	2	20	5	6	Southern Pacific Co.
Beowawe	Eureka	4,685	58	70.0	-2.5	96	15	40	31	50	66	0.17	-0.03	0.10	0	3	14	10	7	Do.
Canyon Creek Ranch	Elko		1							1									Oren F. Boies.	
Elko	do	5,077	58	67.0	-0.8	95	7	33	25	56	66	0.64	+0.32	0.47	0	6	13	12	6	U. S. Weather Bureau
Golconda	Humboldt	4,392	44	70.2	-1.0	97	15	40	23†	48	58	0.40	+0.24	0.25	0	2	15	7	9	Southern Pacific Co.
Hylton**	Elko	7,081								26	0.79	+0.11	0.33	0	5	13	18	0	Thomas Toyn.	
Imlay	Pershing	4,209	54	71.1	-0.3	97	8	41	26	50	65	0.01	-0.19	0.01	0	1	15	11	5	Southern Pacific Co.
Lamoille (near)	Elko	6,100	24	68.0	+0.1	90	15	42	28	43	31	0.69	-0.61	0.25	0	12	13	13	5	Elko-Lamoille Power Co.
Loveclock	Pershing	3,977	38							42									Joe Bush.	
Montello	Elko	4,877	47	71.0	-1.2	100	7†	37	28	53	58	0.59	+0.23	0.18	0	7	10	6	15	Southern Pacific Co.
North Fork	do	6,500								26	1.40	+0.62	0.37	0	6	9	5	17	sw.	
Paradise Valley	Humboldt	4,650								27	0.39	+0.20	0.13	0	3	3			sw.	
Rye Patch Dam	Pershing		1	73.4		97	1†	40	24†	51	1	0.22		0.12	0	2	15	13	3	U. S. Forest Service.
Wells	Elko	5,628								48	0.30	+0.09	0.15	0	4	20	10	1	U. S. Reclamation Ser.	
Winnemucca	Humboldt	4,287	57	72.3	+2.9	97	8	41	23	49	67	0.23	+0.03	0.12	0	5	22	6	3	Wells Power Co.
<b>Truckee Basin</b>																				
Lewers Ranch	Washoe	5,200								33	0.55	+0.26	0.55	0	1				Katherine Lewers.	
Marlette Lake	Washoe	8,000	12	61.4	+1.3	76	5†	44	20†	26	15	0.25	0.00	0.14	0	2	17	10	4	H. E. Wise.
Nixon	do	3,910	9	70.5		97	14	42	26	51	9	0.76		0.34	0	4	18	8	5	Louis McCloud.
Reno	do	4,493	49	71.4	+2.7	95	1	44	24	44	49	0.48	+0.26	0.27	0	5	24	3	4	U. S. Weather Bureau
Tahoe, Calif.	Placer	6,280	26	62.0	+1.9	85	8	35	25	44	26	0.21	-0.03	0.13	0	4	24	4	3	Wm. A. Simmonds.
Truckee, Calif.	Nevada	5,819		61.6	-0.4	89	8†	31	19†	55	54	0.32	+0.14	0.26	0	3				U. S. Forest Service.
<b>Carson Basin</b>																				
Carson City	Ormsby	4,675	39	68.6	+1.1	96	28	35	25	53	42	0.25	+0.10	0.20	0	2	26	4	1	N. C. Brown.
Fallon	Churchill	3,965	40	72.2	+1.0	97	7	41	24	49	40	0.05	-0.19	0.03	0	2	27	2	2	U. S. Experiment Station
Lahontan**	do	4,200	27	77.0	+0.9	101	1	51	24†	42	29	0.43	+0.08	0.00	0	4	13	16	2	Truckee-Carson Inv. Dist
Minden	Douglas	4,730	44	70.4	+2.7	96	7	38	22†	52	44	0.18	-0.03	0.13	0	2	18	8	5	U. S. Forest Service.
Markleeville, Calif.	Alpine	5,525	6	58.3		89	28	28	24†	57	23	0.56	+0.17	0.25	0	4	13	11	7	Mrs. F. Kang.
<b>Walker Basin</b>																				
Mina	Mineral	4,350	41	75.1	-0.5	99	7	45	24	51	41	0.00	-0.29	0.00	0	0	15	11	5	Southern Pacific Co.
Schurz	do	4,124	17	72.1	+1.1	96	14†	40	25	54	17	0.18	-0.46	0.09	0	3	20	7	4	Susan R. Kronquist.
Smith	Lyon	4,800								27	1.28	+0.92	1.10	0	2	12	9	10		H. A. Schreck.
Thorne	Mineral	4,200	41	77.5	+2.3	100	2†	54	23†	42	44	0.00	-0.47	0.00	0	0	23	6	2	Southern Pacific Co.
Yerington	Lyon	4,375	35	69.0	-0.4	97	2	34	26	55	36	1.05	+0.80	0.55	0	3	25	6	0	Mrs. W. H. Churchyard.
Bridgeport, Calif.	Mono	6,440	5	64.2		88	4	35	25	49	14	1.71	+1.28	1.03	0	4	19	7	5	I. T. Whistler.
Shields Ranch, Calif.**	Mono	5,300								22	1.45	+1.04	0.75	0	3	26	2	3		Bruce H. Chichester.
<b>Colorado Basin</b>																				
Boulder City	Clark	2,525	5	86.9		107	16	64	5	30	5	0.79		0.51	0	3	18	13	0	U. S. Reclamation Ser.
Caliente	Lincoln	4,407	6	74.3		95	7†	41	22	51	13	2.00	+1.51	0.72	0	9	15	15	1	Philip J. Dolan.
Las Vegas	Clark	2,033	23	85.6	+1.3	109	15†	56	22†	51	31	0.57	-0.03	0.37	0	3	14	12	5	C. P. Squires.
Logandale	do	1,400	35	88.2	+3.0	112	24	55	22	51	34	0.52	+0.01	0.25	0	4	13	16	2	Bert Mills.
<b>Minor Basins</b>																				
Alamo**	Lincoln	4,180	16	75.4	-0.2	101	17	48	21	42	16	1.38	+0.55	0.69	0	6	15	13	3	G. W. Thiriot.
Beatty	Nye	3,310	20							20										C. W. Thomas.
Clay City**	Nye	2,185	9	88.1		110	15	64	21	40	8	0.28		0.22	0	2				General Clay Co.
Gorlach (near)	Washoe	3,980	22	74.7	+2.1	100	1†	49	26	44	22	0.11	-0.01	0.11	0	1	20	4	7	Pac. Portland C'm't Co.
Goldfield	Esmeralda	5,700	30	72.7	+0.8	96	2	46	11	42	30	0.01	-0.82	0.01	0	1	23	6	2	Nevada-Calif. Power Co.
Kimberly	White Pine	7,250	9	68.0		95	14	47	28	43	9	0.71		0.34	0	5	18	11	2	Cons. Copper Mines Co.
McGill	do	6,340	45	71.1	+6.4	94	7	48	27	34	45	0.46	-0.71	0.16	0	6	9	19	3	W. E. Sands.
Millett**	Nye	5,040	26							28										W. J. Farrington.
Orovada	Humboldt	4,300	23	71.4	+2.4	104	8	37	27	52	24	0.17	-0.15	0.17	0	1	23	5	3	I. J. Studebaker.
Sand Pass** (near)	Washoe	4,198	22	74.4	+1.1	100	1†	45	23†	47	22	0.15	0.00	0.07	0	3	24	4	3	W. R. Mott.
Searchlight	Clark	3,445	22	83.1	+1.5	102	14	62	21	32	22	0.45	-1.71	0.42	0	2	24	7	0	Bernice M. Fenlon.
Sharp	Nye	6,250	20	65.9	-2.5	89	24	41	21	43	20	2.08	+0.48	0.53	0	10	24	6	1	Pauline F. Youngs.
Sheldon	Washoe	6,500	3	62.1		86	1	34	24†	42	3	0.60		0.55	0	2	26	4	1	Ernest J. Greenwalt.
Sulphur	Humboldt	4,044	21	73.5	+1.3	101	3	43	28	46	21	T.	-0.12	T.	0	0				Western Pacific Co.
Tonopah	Nye	6,087	29	73.9	+2.0	90	15	56	11	29	29	0.15	-0.75	0.12	0	2				U. S. Weather Bureau.
For the State				72.9	+2.4	112	24	33	23†	59		0.53	+0.02	1.10	0	4	18	9	4	sw.

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or "standard mean," adjusted to a uniform 55-year period; for stations of 10 to 14 years the means for the period of record are used. State normals on records to 1936 inclusive.

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

Reference letters, \*, †, ‡, appearing in the table indicate number of days missing, for example, † represents two days missing, etc.

† Also on other dates. ‡ Received too late to be included in the means and summaries. †† Less than one day.

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



Daily Temperatures for August, 1936

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, and Minor Basins. Each station entry includes Maximum and Minimum temperature values for each day.

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