

# CLIMATOLOGICAL DATA

## COLORADO SECTION

5

J. M. SHERIER

PRICE: 5 CENTS A COPY; 50 CENTS A YEAR

VOL. XXXX DENVER, COLO., JUNE, 1935 No. 6

### GENERAL SUMMARY

The month averaged warmer and drier than the normal for June.

Deficiencies in temperature prevailed over the greater portion of the South Platte and North Platte River valleys and at the higher altitudes of the San Juan Mountain region, while it was warmer than normal in the remainder of the State, with decided excesses in the lower portions of the Colorado, Gunnison and Arkansas River valleys.

Only 59 per cent of the normal amount of precipitation occurred, the deficiency being state-wide, with the exception of 10 stations east of the Divide, where there were local heavy down-pours. Rains in May provided soil moisture sufficient to maintain the growth of vegetation during much of June, and what precipitation did occur in June was fairly well distributed throughout the month, so that crops over most of the State did not suffer; the ground was kept in good condition, and pastures and ranges furnished good grazing for livestock. Local heavy rains over the Arkansas-Platte Divide caused disastrous floods in many small streams and in the lower Platte Valley, destroying much property and planted crops and damaging hay and alfalfa lands.

Hailstorms, which caused total damage to crops and property in excess of \$60,000, during the month, with dates of occurrence, were reported from the following places:

Moderate Hail—Arriba, 25; Calhan, 16; Canon City, 16; Fremont Experiment Station, 10; Westcliffe, 11.

Heavy Hail—Colorado Springs, 27; Fremont Experiment Station, 26; Greeley, 10; Parker, 12; Steamboat Springs, 11; Waterdale, 11.

A moderately heavy dust storm which reduced the visibility considerably, occurred during the late afternoon and early evening of the 2d in northeastern Baca, extreme eastern Prowers, Kiowa, and Cheyenne counties, moderating in intensity in its northerly and westerly movement through northern Lincoln, the panhandle of Elbert, and extreme northeastern El Paso counties. Considerable dust was reported to have occurred in extreme southern Logan County on the 7th and 22d, the visibility being reduced to 1 1-4 miles on the latter date. Heavy dust also was reported locally between Byers and Parker on the 11th, at Holly on the 23d, and at Byers on the 27th. Other dust storms, mostly light and local in character, were reported on numerous dates through east-central and extreme southeastern counties, but these storms were not attended by serious damage or discomfort. On the 24th and 25th, south and south-westerly winds bore some dust across the Utah-Colorado border, but this was mostly local in the vicinity of Fruita.—H. F. C.

### TEMPERATURE

The monthly mean for the State, as shown by the records of 89 stations, was 62.6°, which is 1.1° above the mean for the past 48 years. The highest monthly mean was 85.6° at Las Animas, and the lowest, 48.6°, at Pearl. The highest, 105°, occurred at Las Animas on the 15th, and the lowest 16°, at Telluride on the 1st. The greatest daily range was 59°, at Gunnison on the 8th.

### PRECIPITATION

The average for the State, as shown by the records of 111 stations, was 0.82 inch, which is 0.58 inch below the mean for the past 48 years. The greatest monthly amount was 5.87 inches at Burlington, while none was recorded at 7 stations, and but a trace at 10 others. The greatest precipitation in any 24 consecutive hours was 2.45 inches at Yuma on the 16th.

### PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)				Wind			Relative humidity			Pct. of sunshine		
	Mean	Highest	Date	Lowest	Date	Av. h rly velocity	Max. velocity	Direction	Date	6 a. m.		12 noon	6 p. m.
Denver	29.85	30.19	4	29.48	15	8.1	30	nw.	2	64	82	33	69
Grand Junction	29.79	30.15	4	29.49	14	7.2	28	se.	28	16	13	85	57
Pueblo	29.88	30.22	4	29.43	15	7.0	21	nw.	23	63	27	27	85
Cheyenne, Wyo.	29.85	30.19	4	29.52	15	9.2	29	w.	24	74	89	47	79

### COMPARATIVE DATA FOR JUNE

Year	Temperature				Precipitation				Number of days				
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Average snowfall	Precip. in. or more	Clear	Pt. cldy	Cloudy
1888	60.7	-0.8	102	18	0.53	-0.87	2.16	0	.....	.....	.....	.....	.....
1889	61.2	-0.3	112	8	1.35	-0.05	5.10	T	.....	.....	.....	.....	.....
1890	64.0	+2.5	108	12	0.59	-0.81	3.41	T	.....	.....	.....	.....	.....
1891	60.4	-1.1	98	3	1.99	+0.59	7.33	0	.....	.....	.....	.....	.....
1892	61.9	+0.4	106	12	1.12	-0.28	3.70	0	.....	.....	.....	.....	.....
1893	65.0	+3.5	106	9	0.80	-0.60	4.66	0	.....	.....	.....	.....	.....
1894	61.3	-0.2	105	7	1.06	-0.34	4.59	0	.....	.....	.....	.....	.....
1895	58.9	-2.6	102	12	2.35	-0.91	5.61	T	.....	.....	.....	.....	.....
1896	65.3	+3.8	107	22	1.05	-0.35	3.99	0	0	5	13	14	3
1897	61.1	-0.4	104	19	1.86	+0.46	5.53	0.24	0.6	8	13	12	5
1898	62.2	+0.7	108	17	1.71	+0.31	3.85	T	0.1	6	14	12	9
1899	62.1	+0.6	106	18	1.26	-0.14	3.48	0.07	0.5	5	15	12	4
1900	65.4	+3.9	107	21	1.28	-0.14	5.62	T	0	5	14	14	2
1901	63.0	+1.5	108	20	1.46	+0.06	4.58	0.12	0.5	5	17	10	3
1902	63.4	+1.9	110	14	1.10	-0.30	5.69	0	0.2	4	16	9	5
1903	58.9	-2.6	101	19	2.76	+1.36	9.25	0.16	0.3	10	11	11	8
1904	58.1	-3.4	99	7	2.57	+1.17	8.05	0.18	0.7	10	12	12	6
1905	62.5	+1.0	104	23	0.99	-0.41	4.69	0.04	0	3	18	10	2
1906	60.0	-1.5	106	17	1.00	-0.40	3.98	0	T	4	18	9	3
1907	58.1	-3.4	101	20	1.16	-0.24	4.80	0.15	0.1	6	18	9	3
1908	58.9	-2.6	104	15	0.96	-0.44	4.33	0	0	5	18	10	2
1909	61.7	+0.2	107	20	1.44	+0.04	8.82	0	0.8	7	17	11	2
1910	62.6	+1.1	110	20	0.84	-0.56	5.02	T	T	4	17	11	2
1911	62.6	+1.1	105	10	1.39	-0.01	3.83	0.14	T	7	15	11	4
1912	57.8	-3.7	99	15	2.44	+1.04	7.49	0.20	3.4	9	12	11	7
1913	60.7	-0.8	104	18	1.96	+0.56	5.88	T	0.3	8	12	12	6
1914	62.2	+0.7	102	20	1.85	+0.45	6.22	0.40	T	6	18	8	4
1915	58.1	-3.4	98	16	1.67	+0.27	5.38	T	0.8	7	16	9	5
1916	60.4	-1.1	101	14	0.47	-0.93	5.62	0	T	2	19	9	2
1917	58.7	-2.8	105	11	0.62	-0.88	2.50	0	2.4	3	22	6	2
1918	65.0	+3.5	105	11	1.49	+0.09	5.90	0	0	6	15	11	4
1919	60.6	-0.9	104	10	0.87	+0.57	5.14	0	0.2	4	15	11	4
1920	59.9	-1.6	100	15	1.51	+0.11	5.31	0	T	7	13	12	5
1921	61.5	0	101	20	3.00	+1.60	12.36	0.35	T	8	15	9	6
1922	63.4	+1.9	106	12	0.87	-0.53	4.20	T	T	5	17	9	4
1923	59.9	-1.6	102	20	2.19	-0.75	6.23	0	0.3	7	17	8	5
1924	62.5	+1.0	105	14	0.89	-1.01	2.80	0	0.3	3	21	7	2
1925	61.8	+0.3	105	22	1.74	+0.34	5.48	0.06	0.5	8	13	11	6
1926	61.5	0	105	15	1.28	-0.12	4.15	0	T	6	16	11	3
1927	60.6	-0.9	108	12	3.25	+1.85	8.71	0.71	0.1	11	13	9	8
1928	57.6	-3.9	100	17	2.15	+0.75	5.84	0	1.2	8	16	8	6
1929	61.8	+0.3	105	17	0.59	-0.81	2.98	0	T	3	21	7	2
1930	62.1	-0.4	105	17	0.74	-0.66	3.03	0	0.1	4	21	7	2
1931	64.9	+3.4	110	23	1.25	-0.15	4.03	0.05	T	7	16	10	4
1932	60.9	-0.6	101	18	1.60	+0.20	7.85	0.12	T	7	16	11	4
1933	66.0	+4.5	111	21	0.91	-0.49	6.02	0	T	5	15	11	9
1934	64.3	+2.8	106	16	0.94	-0.46	5.40	0.06	T	4	18	9	3
1935	62.6	+1.1	103	16	0.82	-0.58	5.87	0	0.1	4	18	10	2
Period	61.5	.....	112	3	1.40	.....	12.36	0	0.3	6	16	10	4

Climatological Data for June, 1935

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

Statistics opposite "For the month," last line above, are computed from data for all stations reporting, a number of which are not printed on this page. Postoffice addresses of these stations are: Cathedral, Powderhorn; Cheesman, South Platte; Edgewater, Spivak; Fort Lewis, Hesperus; Fremont Experiment Station, Colorado Springs; Garnett, Hooper; Hermit (near), Creede; Kassler, Littleton; Lake Moraine, Manitou; Le Roy, Sterling; Long Branch, Hugo; Pearl, Cowdrey; Waterdale, Loveland; Willow Creek, Pagoda. The departures from normal 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. Reference letters, a, b, c, etc., indicate 1, 2, 3, etc., days missing. T, Less than 0.01 inch. † Also on other dates. ‡ Interpolated.



Daily Temperatures for June, 1935

Table with columns for Stations, 31 days of the month, and Mean. Rows include Burlington, Canon City, Cheyenne Wells, Colorado Springs, Denver, Durango, Fort Morgan, Fraser, Garnett, Glenwood Springs, Grand Junction, Greeley, Gunnison, Holly, Julesburg, Las Animas, Lay, Leadville, Long Branch, Montrose, Paonia, Pueblo, Steamboat Springs, Sterling, Trinidad, and Wray.

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

Daily Precipitation for June, 1935—Continued

Table with columns for Stations, Drainage-basins, Day of month (1-31), and Total. Rows include Pueblo, Rifle, Rocky Ford, Kush, Saguache, Salida, Sapinero, Sedgwick, Shoshone, Silver Lake, Silverton, Spicer, Springfield, Steamboat Springs, Sterling, Stratton, Sunbeam, Telluride, Trinidad, Trout Lake, Two Buttes, Uteyville, Walsenburg, Waterdale, Waterfall Ranch, Westcliffe, Willow Creek, Wray, and Yuma.

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and the precipitation recorded is for the 24 hours ending at the time of observation. \*\*\*Precipitation is for the 24-hour period, midnight to midnight. †††Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. \*Precipitation included in that of next measurement. T, Trace, or less than 0.01 inch. z Interpolated. WBO, Denver—7-19-35-900.