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CLIMATOGRAPHY OF THE UNITED STATES NO. 81-25

DECENNIAL CENSUS OF UNITED STATES CLIMATE—

MONTHLY NORMALS OF TEMPERATURE, PRECIPITATION, AND HEATING DEGREE DAYS

NEW MEXICO

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PREFACE

The climatological standard normals presented in this publication are based on records for the 30-year period 1931-1960 inclusive. For the first time, normals have been computed for substations and divisions using a base period identical to that used for first-order stations.

Previous normals were published in Weather Bureau Technical Paper No. 31, "Monthly Normal Temperatures, Precipitation, and Degree Days," and were based on records for the period 1921-1950. Earlier sets of normals are described in [1].

This is the first series of publications resulting from the project "The Decennial Census of United States Climate, 1960." The project is a continuation of earlier censuses of the climate of the United States that date back to the early 19th Century and are described in [2]. Future publications of this project will be listings of daily normals of temperature, and degree days; summaries of hourly observations; and listings of monthly divisional averages of temperature and precipitation.

Units used in this publication are degrees F. for temperatures, and inches for precipitation. The heating degree day normals are derived from the monthly normal temperatures, and are computed on the standard base of 65°F. Monthly normals of less than 5 degree days are shown as zero.

Standard Normals for Weather Bureau First Order Stations

A normal of a climatological element is an arithmetic mean for a specific period of record which estimates the true mean of the element at the current exposure of the meteorological instrument measuring the element. The true mean is the mean of all possible observations (population) at the current exposure. It is from this population that future observations will come, not from values in the past record. This is what makes it important to obtain an estimate of this mean. The true mean can never be known exactly but must be estimated from a sample of the past record ([3] p. 53 section 4.3). The normals presented here are estimates of the true mean obtained from the 30-year sample record 1931-1960. They are called standard normals because they conform to the World Meteorological Organization standard for climatological normals.

If no exposure changes have occurred at a station the normal is estimated by simply averaging the 30 values from the 1931-1960 record. Since it is next to impossible to maintain a multiple purpose network of meteorological stations without having exposure changes, it is first necessary to find and evaluate these changes and then make adjustments for them if necessary.

Heterogeneities in record due to exposure changes are found in two ways: by determining them from the station histories and by use of statistical tests. The statistical test when standardized for the purpose is easy to apply and will often find heterogeneities which are not defined by the station histories as well as those which have been so determined. Two statistical tests were employed: one for temperature and the other for precipitation. These are described in [4].

After the periods of heterogeneity have been determined, adjustments are applied to remove the heterogeneities introduced into the mean. This is done by comparing the record at the base station, for which the normal is desired, to the record at a supplementary station with a homogeneous period which covers the heterogeneous period at the base station. The difference method is applied to the monthly average maximum and minimum temperatures and the ratio method to the monthly total precipitation. A weighted average of the various partial means of the adjusted and unadjusted record is then prepared to give the normal. Brief discussions of the methods of adjustment are found in [3] (p. 49, section 4.24).

Normal heating degree days are derived by the method described in [5].

Normals for Substations and Divisions

Normals for substations were computed somewhat differently than those for first-order stations. Monthly substation normals are the simple arithmetic averages of the monthly values of temperature and precipitation for the period 1931-1960. These were computed for only those substations that were active during the entire period and no attempt was made to adjust for minor changes in location of the observing site, or for changes in the time of observation. Normals were not computed for substations that were moved a significant distance during the 1931-1960 period. Missing values in the data series were estimated by methods described in [6]. Substations whose locations were essentially unchanged during the 1931-1960 period are identified in the tables.

Monthly divisional normals are the means of the monthly divisional averages of temperature and precipitation for the period 1931-1960. In calculating the monthly divisional averages, all of the stations in the division that furnished both temperature and precipitation data during the particular month were used. The averages therefore were obtained from a variable station sample. As a result, the divisional normals often differ from the averages of the normals for stations in the division.

Annual substation and divisional normals are the averages of the 12 monthly temperature normals and the sums of the 12 monthly precipitation normals.

References

1. U. S. Weather Bureau, "History of Climatological Publications," Key to Meteorological Records Documentation No. 4.1, Washington, D. C., 1958.

2. H. E. Landsberg, "The Decennial United States Census of Climate 1960 and Its Antecedents," Key to Meteorological Records Documentation No. 6.2, U. S. Weather Bureau, Washington, D. C., 1960.

3. U. S. Weather Bureau, Climatology at Work, Gerald L. Barger, ed., Washington, D. C., 1960.

4. H. C. S. Thom, "Tests of Significance for Temperature and Precipitation Normals," U. S. Weather Bureau Manuscript, 1961.

5. H. C. S. Thom, "The Rational Relationship Between Heating Degree Days and Temperature," Monthly Weather Review, Vol. 82, No. 1, January 1954.

6. U. S. Weather Bureau, Administrative Manual, Vol. III, Chap. C-05, paras. C-0509 and C-0510.

NOTES

1. Station Names

In Table I, "AP" after the city name indicates "airport station" "CO" indicates "city office station." Figures and letters following the station name indicate a rural location, and refer to the distance and direction of the station from the nearest post office.

- # indicates a station whose location has been essentially unchanged during the period 1931-1960.
- H indicates the ground elevation of the station in feet above sea level, as of December 31, 1960.
- G indicates the elevation at hygrothermometer site (where different from "H").
- T indicates the height of the thermometer in feet above the ground as of December 31, 1960.

/NO TEST/ indicates that significant difference tests were not made.

2. Table Content

- * indicates that the departure of the 1951-60 record from the 1921-50 normal is statistically significant, but through the adjustments for changes in location and exposure the absolute difference between old and new normals may even in these cases be very small.
- T in the data tables indicates a monthly precipitation amount of only a trace.

February monthly normals are for a 28-day month.

TABLE I - NORMALS FOR FIRST ORDER STATIONS

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL
ALBUQUERQUE AP H5310 T 5														
	MAX TEMP	46.4*	52.2	59.8	70.1	79.3	89.6*	92.2*	90.0	83.3*	71.7	57.1	48.3	70.0
	MIN TEMP	23.5*	27.5	32.7	41.2	50.9	60.1*	64.8	63.3	57.6	45.3	31.1	25.6	43.6
	AVG TEMP	35.0*	39.9	46.3	55.7	65.1	74.9	78.5*	76.7	70.5*	58.5	44.1	37.0	56.9
	DEG DAYS	930*	703	580	288	81	0	0	0	12*	214	627	868	4303
	PRECIP	.41	.38	.48	.47	.75*	.57	1.20	1.33	.95	.75*	.38	.46	8.13
CLAYTON AP H4969 T 5														
	MAX TEMP	46.2*	49.0	55.0	64.6	73.2	84.1*	88.4	86.5	79.5	69.3	55.4	49.3*	66.7
	MIN TEMP	20.2	22.9	26.7	36.7*	46.4	56.2	60.6	60.0	52.5	41.3	27.9*	22.6	39.5
	AVG TEMP	33.2*	36.0	40.8	50.7*	59.8	70.2*	74.5	73.3	66.0	55.3	41.7*	36.0*	53.1
	DEG DAYS	986*	812	750	429*	183	21*	0	6	66	310	699*	899*	5161
	PRECIP	.35	.37	.63	1.19	2.74	1.48*	2.33	2.09	1.65*	1.00	.33	.35	14.51
RATON AP H6379 T 6														
	MAX TEMP	45.3*	48.9	54.7*	63.3*	71.5*	82.5*	86.6	85.3	79.1	68.9*	55.0*	47.9	65.8
	MIN TEMP	12.8*	16.5*	21.4	30.4	39.3*	48.2*	52.9*	51.1*	44.6*	33.3*	19.9	14.5*	32.1
	AVG TEMP	29.0*	32.7*	38.1	46.9	55.4*	65.4*	69.8*	68.2*	61.9*	51.1	37.5*	31.2*	48.9
	DEG DAYS	1116*	904*	834	543	301*	63*	9*	28*	126*	431	825*	1048*	6228
	PRECIP	.36	.42	.52	1.06	2.29*	1.70	2.40	2.63	1.68*	1.04	.39	.26	14.75
ROSWELL AP H3612 T 4														
	MAX TEMP	54.1*	59.4	67.8	76.9	84.7*	93.5*	93.4*	92.3*	86.0*	75.8	63.0	54.9*	75.2
	MIN TEMP	18.6	21.7	28.1	38.0*	48.2*	57.6	60.7	59.8	52.3*	41.1*	26.7*	20.1*	39.4
	AVG TEMP	36.4*	40.6	48.0	57.5*	66.5*	75.6*	77.1*	76.1*	69.2*	58.5*	44.9*	37.5*	57.3
	DEG DAYS	887*	683	527	237*	47*	0	0	0	21*	214*	603*	853*	4072
	PRECIP	.48	.42	.50	.73	1.28	1.05*	1.77	1.62	1.82*	1.07*	.34*	.36	11.62

TABLE II - NORMALS BY CLIMATOLOGICAL DIVISIONS

STATIONS (By Divisions)	TEMPERATURE (°F) JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL	PRECIPITATION (In.) JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL
NORTHWESTERN PLATEAU																										
AZTEC RUINS NM	29.0	34.4	41.3	50.2	58.6	67.2	73.8	71.9	64.7	53.6	39.2	31.1	51.3	.74	.76	.79	.60	.67	.44	.94	1.32	1.12	1.09	.49	.86	9.82
BLOOMFIELD 3 SE	.	.	.	.	.	.	.	.	.	.	.	.	.	.52	.67	.59	.51	.63	.33	.81	1.32	.87	.93	.44	.60	8.22
#CROWNPOINT	.	.	.	.	.	.	.	.	.	.	.	.	.	.58	.57	.47	.50	.66	.68	1.72	2.11	1.10	.82	.48	.53	10.22
#ZUNI FAA AP	29.4	34.1	40.1	48.3	56.2	65.3	70.8	69.2	63.1	52.2	39.1	32.0	50.0	.79	.83	.77	.61	.45	.46	1.68	1.81	1.09	1.03	.62	.77	10.91
DIVISION	27.8	32.6	39.2	48.2	56.8	66.1	71.9	70.0	63.2	52.0	38.0	30.1	49.7	.76	.81	.79	.64	.64	.47	1.42	1.78	1.13	1.01	.60	.79	10.84
NORTHERN MOUNTAINS																										
ABBOTT	.	.	.	.	.	.	.	.	.	.	.	.	.	.32	.23	.42	.77	2.19	1.63	2.51	3.23	1.42	1.29	.43	.25	14.69
#BANDELIER NM	.	.	.	.	.	.	.	.	.	.	.	.	.	.79	.78	.94	.86	1.36	.86	2.36	2.60	1.62	1.41	.80	.68	15.26
#BATEMAN RANCH	.	.	.	.	.	.	.	.	.	.	.	.	.	1.94	1.98	2.18	1.56	1.82	1.18	2.48	3.05	2.16	1.81	1.24	1.61	23.01
BLACK LAKE	.	.	.	.	.	.	.	.	.	.	.	.	.	.62	.55	.96	1.15	1.89	1.50	2.84	3.28	1.49	1.35	.62	.43	16.68
CAPULIN 6 SSE	26.8	30.2	34.9	43.9	52.7	62.6	66.8	66.0	58.8	48.1	35.6	29.3	46.3	.42	.24	.56	.98	2.16	1.61	3.03	3.34	1.58	1.01	.41	.27	15.61
CERRO	.	.	.	.	.	.	.	.	.	.	.	.	.	.64	.60	.58	.97	1.34	.87	1.70	1.92	1.43	1.19	.61	.61	12.46
CHACON	.	.	.	.	.	.	.	.	.	.	.	.	.	1.11	.78	1.07	1.22	1.82	1.46	2.97	3.73	1.75	1.29	.90	.91	19.01
CHAMA	.	.	.	.	.	.	.	.	.	.	.	.	.	1.80	1.67	1.51	1.37	1.40	.92	1.58	2.32	1.85	1.57	.96	1.63	18.59
#CIMARRON	32.2	35.4	40.5	48.8	57.0	66.2	69.8	68.4	62.3	52.4	40.1	34.6	50.6	.42	.45	.67	1.20	2.21	1.41	2.22	2.53	1.36	1.24	.60	.36	14.65
DAWSON	.	.	.	.	.	.	.	.	.	.	.	.	.	.34	.42	.62	1.25	2.25	1.61	2.72	2.82	1.49	1.26	.51	.29	15.58
DES MOINES	.	.	.	.	.	.	.	.	.	.	.	.	.	.50	.47	.88	1.46	2.55	1.79	3.07	3.36	1.64	1.15	.65	.39	17.51
EAGLE NEST	.	.	.	.	.	.	.	.	.	.	.	.	.	.73	.78	.92	1.06	1.62	1.08	2.48	2.55	1.27	1.14	.75	.59	14.97
#EL RITO	.	.	.	.	.	.	.	.	.	.	.	.	.	.74	.67	.77	.75	1.16	.69	1.60	1.99	1.33	1.12	.55	.62	11.99
#GAVILAN	.	.	.	.	.	.	.	.	.	.	.	.	.	1.10	1.33	1.20	1.19	1.15	.85	1.89	2.52	1.73	1.27	.88	1.20	16.31
#JEMEZ SPRINGS	32.9	36.4	42.1	50.6	58.2	66.8	70.8	69.3	63.9	53.7	41.8	35.0	51.8	.88	.95	1.05	1.01	1.32	1.33	2.46	3.16	2.02	1.75	.87	.88	17.68
LAS VEGAS 1 ENE	32.3	35.8	40.5	48.6	56.5	66.0	69.0	68.1	61.8	52.3	40.3	34.5	50.5	.65	.47	.78	.91	1.82	1.76	2.58	2.74	2.16	1.09	.54	.44	15.94
#LEYY	.	.	.	.	.	.	.	.	.	.	.	.	.	.73	.50	.71	1.12	2.23	1.72	2.79	2.87	1.85	1.31	.71	.40	16.94
LOS ALAMOS	.	.	.	.	.	.	.	.	.	.	.	.	.	.78	.64	.88	.92	1.35	1.38	2.73	3.92	1.89	1.65	.70	.83	17.67
#PECOS RS	.	.	.	.	.	.	.	.	.	.	.	.	.	.68	.68	.98	.80	1.26	1.19	2.79	3.07	1.73	1.15	.49	.68	15.50
#PENASCO RS	.	.	.	.	.	.	.	.	.	.	.	.	.	1.04	1.02	1.20	1.14	1.37	.99	1.98	2.10	1.34	1.32	.87	.82	15.19
RATON AP	29.0	32.7	38.1	46.9	55.4	65.4	69.8	68.2	61.9	51.1	37.5	31.2	48.9	.36	.42	.52	1.06	2.29	1.70	2.40	2.63	1.68	1.04	.39	.26	14.75
#RED RIVER	19.4	22.2	28.2	37.6	45.1	53.5	58.1	57.3	51.5	42.1	28.9	21.7	38.8	1.07	1.10	1.35	1.60	1.80	1.24	2.56	3.07	1.49	1.47	.98	.93	18.66
#REGINA	24.7	28.3	34.9	43.9	52.1	61.5	66.6	65.0	58.3	47.4	34.6	27.2	45.4	1.07	1.19	1.23	1.23	1.06	.75	2.10	2.58	1.48	1.30	.81	1.06	15.86
SANTA FE	29.9	33.7	39.2	48.1	56.7	66.5	70.5	68.7	62.9	52.0	39.0	32.1	49.9	.69	.69	.79	.83	1.37	1.14	2.19	2.27	1.44	1.05	.60	.70	12.76
TAOS	.	.	.	.	.	.	.	.	.	.	.	.	.	.82	.72	.79	.92	1.20	.76	1.58	1.77	1.11	1.13	.71	.57	12.00
TIERRA AMARILLA 6 SSE	.	.	.	.	.	.	.	.	.	.	.	.	.	1.41	1.06	1.04	1.15	1.10	.91	1.85	2.33	1.64	1.19	.88	1.24	15.80
TRES PIEDRAS	.	.	.	.	.	.	.	.	.	.	.	.	.	.85	.86	.76	.85	1.11	.69	1.93	2.32	1.36	1.05	.59	.80	13.17
TRUCHAS	.	.	.	.	.	.	.	.	.	.	.	.	.	.98	1.07	.91	1.02	1.13	.86	1.87	2.23	1.51	1.18	.87	.84	14.49
#VALMORA	30.7	34.0	38.7	47.2	55.3	64.4	68.7	67.4	61.4	51.1	38.6	33.3	49.2	.45	.31	.59	.89	1.93	1.74	2.79	2.89	1.82	1.30	.55	.41	15.67
WOLF CANYON	.	.	.	.	.	.	.	.	.	.	.	.	.	1.64	1.77	1.90	1.50	1.45	1.04	2.91	3.28	2.14	1.62	1.16	1.51	21.92
DIVISION	27.7	31.6	36.0	44.8	53.0	62.1	66.4	65.1	58.9	48.6	36.0	29.2	46.6	.81	.80	.95	1.12	1.65	1.24	2.39	2.76	1.64	1.28	.70	.73	16.07
NORTHEASTERN PLAINS																										
AMISTAD 1 SSW	.	.	.	.	.	.	.	.	.	.	.	.	.	.47	.43	.66	1.25	2.49	1.54	2.46	2.39	1.57	1.04	.44	.60	15.34
#BELL RANCH	36.6	40.9	47.1	56.4	64.8	74.9	78.3	77.2	70.4	58.5	44.9	38.0	57.3	.33	.33	.63	1.05	1.81	1.60	2.47	2.78	1.68	1.03	.38	.43	14.52
#BUEYEROS	.	.	.	.	.	.	.	.	.	.	.	.	.	.35	.38	.54	.94	2.28	1.94	2.31	2.32	1.57	.95	.40	.39	14.37
CLAYTON AP	33.2	36.0	40.8	50.7	59.8	70.2	74.5	73.3	66.0	55.3	41.7	36.0	53.1	.35	.37	.63	1.19	2.74	1.48	2.33	2.09	1.65	1.00	.33	.35	14.51
CLOVIS	37.4	41.3	47.2	56.7	65.7	75.4	78.5	77.4	70.2	59.3	46.1	39.4	57.9	.55	.41	.49	.92	2.51	2.30	2.64	2.62	2.10	1.89	.46	.39	17.48
ELIDA	.	.	.	.	.	.	.	.	.	.	.	.	.	.41	.35	.50	.77	1.86	1.63	2.64	2.38	2.16	1.47	.39	.53	15.09
HAYDEN 6 NE	.	.	.	.	.	.	.	.	.	.	.	.	.	.34	.35	.53	1.37	2.77	1.57	2.69	2.33	1.69	1.01	.38	.40	15.43
#IONE	.	.	.	.	.	.	.	.	.	.	.	.	.	.42	.34	.61	.96	2.34	1.55	2.70	2.57	1.84	1.02	.41	.44	15.20
MELROSE	.	.	.	.	.	.	.	.	.	.	.	.	.	.43	.36	.46	.77	2.06	1.63	2.64	2.53	1.73	1.63	.36	.53	15.13
MOSQUERO	33.6	37.0	41.9	50.8	59.4	69.1	73.0	71.3	64.6	54.6	42.2	35.4	52.7	.48	.41	.57	1.09	2.36	1.82	2.85	2.94	1.89	.98	.48	.38	16.25
NEWKIRK	.	.	.	.	.	.	.	.	.	.	.	.	.	.43	.48	.62	.88	1.74	1.64	2.13	2.30	1.69	.92	.39	.59	13.81
OBAR	36.5	40.1	46.9	56.2	65.3	75.1	78.8	77.7	70.5	58.9	45.4	38.7	57.5	.32	.33	.61	1.27	2.33	1.77	3.03	2.60	1.61	1.15	.39	.39	15.80
#PASAMONTE	.	.	.	.	.	.	.	.	.	.	.	.	.	.37	.31	.49	1.02	2.12	1.80	2.49	2.54	1.59	1.02	.27	.31	14.23
PORTALES	37.3	41.8	48.2	57.2	65.8	75.1	77.5	76.5	69.5	58.8	45.7	39.1	57.7	.46	.36	.54	.77	2.42	2.38	2.91	2.66	1.91	1.50	.45	.58	16.94
ROY	.	.	.	.	.	.	.	.	.	.	.	.	.	.41	.43	.63	.91	2.50	1.62	2.32	2.22	1.72	1.40	.43	.53	15.12
#SAN JON 2 SW	37.6	42.0	48.1	57.3	65.9	76.1	79.2	78.0	71.3	59.9	46.3	39.5	58.4	.41	.38	.51	.89	2.28	1.67	2.81	2.62	1.33	1.17	.46	.65	15.18
#SPRINGER	30.0	34.9	40.9	49.9	58.7	67.7	71.5	70.1	63.3	52.6	39.0	31.3	50.8	.46	.33	.59	1.11	1.96	1.68	2.39	3.00	1.76	1.35	.61	.35	15.59
#TUCUMCARI 3 NE	37.7	41.3	47.5	57.0	65.7	75.8	79.1	77.8	71.0	60.0	46.5	39.4	58.2	.42	.43	.59	.89	2.27	1.61	2.75	2.50	1.35	1.13	.49	.64	15.07
DIVISION	35.3	39.1	45.0	54.3	62.9	72.6	76.1	74.9	68.0	57.2	44.0	37.4	55.6	.41	.37	.55	.99	2.29	1.80	2.70	2.53	1.69	1.25	.41	.48	15.47

TABLE II - NORMALS BY CLIMATOLOGICAL DIVISIONS

NEW MEXICO

STATIONS (By Divisions)	TEMPERATURE (°F) JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL	PRECIPITATION (In.) JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL
SOUTHWESTERN MOUNTAINS																										
AUGUSTINE	.	.	.	.	.	.	.	.	.	.	.	.	.	.44	.52	.53	.47	.45	.64	2.06	2.24	1.44	.98	.27	.55	10.51
#FORT BAYARD	37.7	41.0	45.5	53.0	60.7	70.2	72.7	70.9	66.4	56.7	45.4	40.1	55.0	.84	.97	.62	.41	.42	.77	2.79	3.23	1.97	1.01	.57	.81	14.41
#JEWETT RS	.	.	.	.	.	.	.	.	.	.	.	.	.	1.01	.86	.88	.80	.59	.80	2.37	3.22	1.67	1.15	.50	.93	14.78
#LUNA RS	.	.	.	.	.	.	.	.	.	.	.	.	.	1.04	.80	.76	.62	.48	.73	2.59	2.90	1.71	1.36	.59	.95	14.53
#MIMBRES RS	.	.	.	.	.	.	.	.	.	.	.	.	.	1.16	1.15	.87	.54	.45	.93	2.97	3.40	1.95	1.33	.67	1.05	16.47
PINOS ALTOS	.	.	.	.	.	.	.	.	.	.	.	.	.	1.33	1.70	1.18	.70	.46	1.06	3.27	4.17	2.04	1.41	.69	1.29	19.30
QUEMADO	.	.	.	.	.	.	.	.	.	.	.	.	.	.73	.54	.62	.53	.47	.65	1.83	2.18	1.30	.66	.39	.50	10.40
#RESERVE RS	.	.	.	.	.	.	.	.	.	.	.	.	.	1.11	.85	1.12	.67	.42	.72	2.10	2.69	1.61	1.30	.61	.95	14.15
SILVER CITY	.	.	.	.	.	.	.	.	.	.	.	.	.	1.12	1.34	.98	.54	.33	.72	2.50	3.20	2.06	1.25	.64	1.10	15.78
WINSTON	.	.	.	.	.	.	.	.	.	.	.	.	.	.55	.60	.41	.45	.52	.82	2.25	2.75	1.95	.97	.30	.57	12.14
DIVISION	31.5	35.3	40.6	48.4	56.4	65.6	69.5	67.5	61.9	51.8	39.7	33.5	50.1	.73	.67	.66	.54	.50	.75	2.27	2.71	1.61	.98	.46	.71	12.59
CENTRAL VALLEY																										
ALBUQUERQUE AP	35.0	39.9	46.3	55.7	65.1	74.9	78.5	76.7	70.5	58.5	44.1	37.0	56.9	.41	.38	.48	.47	.75	.57	1.20	1.33	.95	.75	.38	.46	8.13
BOSQUE DEL APACHE	.	.	.	.	.	.	.	.	.	.	.	.	.	.39	.38	.28	.26	.42	.76	1.10	1.46	1.25	.91	.19	.39	7.79
CARRIZOZO	37.0	40.9	46.8	55.0	63.6	72.9	75.4	73.8	68.0	57.2	44.0	38.2	56.1	.73	.75	.77	.67	.92	1.20	2.32	2.25	1.95	.99	.53	.77	13.85
ELEPHANT BUTTE DAM	41.3	46.3	52.3	60.8	69.1	78.3	80.3	78.5	73.0	62.7	49.5	42.5	61.2	.37	.45	.31	.33	.34	.68	1.50	1.95	1.22	.74	.20	.46	8.55
SOCORRO	37.5	43.0	49.6	58.5	66.5	75.8	79.0	77.1	70.5	59.2	45.5	38.3	58.4	.43	.44	.33	.43	.70	.66	1.34	1.48	1.32	.88	.23	.51	8.75
DIVISION	36.2	41.0	47.4	56.2	64.6	73.8	77.4	75.7	69.0	57.9	44.3	37.3	56.7	.41	.44	.41	.45	.61	.72	1.46	1.61	1.20	.81	.32	.47	8.91
CENTRAL HIGHLANDS																										
#ANCHO	.	.	.	.	.	.	.	.	.	.	.	.	.	.95	.74	.93	.84	1.03	1.14	2.06	2.14	1.75	1.03	.59	.99	14.19
CLOUDCROFT RS	.	.	.	.	.	.	.	.	.	.	.	.	.	1.80	1.70	1.63	.85	1.09	1.86	5.79	4.73	2.37	1.61	.85	1.46	25.74
#CORONA	33.9	37.0	42.4	50.2	58.4	67.4	69.9	68.6	63.2	53.7	42.0	35.5	51.9	.84	.80	.82	1.04	1.37	1.27	2.59	2.78	2.01	1.09	.56	.70	15.87
GRAN QUIVIRA NM	.	.	.	.	.	.	.	.	.	.	.	.	.	.67	.65	.69	.61	.91	1.18	2.37	2.98	1.61	1.00	.49	.72	13.88
#MAYHILL RS	.	.	.	.	.	.	.	.	.	.	.	.	.	.75	.73	.79	.59	1.23	1.90	3.53	3.81	2.94	1.45	.38	.80	18.90
#MC INTOSH 4 NW	30.2	34.7	40.5	49.0	57.4	66.6	70.1	68.5	62.2	51.6	39.0	32.4	50.2	.48	.44	.53	.72	1.10	1.03	2.17	2.53	1.46	1.11	.39	.50	12.46
MESCALERO	.	.	.	.	.	.	.	.	.	.	.	.	.	1.05	1.03	.91	.65	.87	1.42	3.59	3.71	2.13	1.27	.67	1.07	18.37
#MOUNTAIN PARK	.	.	.	.	.	.	.	.	.	.	.	.	.	1.16	1.05	.97	.57	.73	1.28	3.27	3.26	1.89	1.41	.61	.96	17.16
MOUNTAINAIR	.	.	.	.	.	.	.	.	.	.	.	.	.	.81	.58	.67	.67	.93	1.01	2.69	2.43	1.39	1.15	.55	.88	13.76
PROGRESSO	.	.	.	.	.	.	.	.	.	.	.	.	.	.55	.55	.58	.65	.88	1.13	2.84	2.51	1.56	.87	.44	.80	13.36
#TAJIQUE 4 N	29.9	32.8	38.4	46.5	54.8	63.8	66.8	65.4	59.7	49.4	38.0	32.1	48.1	1.08	1.07	1.30	1.28	1.47	1.27	2.55	2.75	2.06	1.57	.87	1.21	18.48
DIVISION	31.7	35.3	40.5	48.6	56.7	65.6	68.5	67.1	61.5	51.7	39.8	33.8	50.1	.90	.84	.93	.79	1.10	1.25	2.94	2.95	1.86	1.20	.61	.92	16.29
SOUTHEASTERN PLAINS																										
ARTESIA	40.8	44.9	51.8	60.9	69.4	78.4	80.0	79.4	72.7	62.1	48.8	41.8	60.9	.47	.35	.50	.54	1.47	1.32	1.78	1.43	1.62	1.13	.29	.43	11.33
CARLSBAD	.	.	.	.	.	.	.	.	.	.	.	.	.	.45	.37	.46	.54	1.76	1.33	1.56	1.60	1.94	1.62	.35	.47	12.45
#CARLSBAD CAVERNS	45.6	48.8	53.7	62.9	70.5	78.2	78.9	78.4	72.9	64.4	53.6	47.4	62.9	.52	.43	.45	.76	1.51	1.55	2.01	1.92	2.51	1.71	.37	.55	14.29
CROSSROADS 2 NE	.	.	.	.	.	.	.	.	.	.	.	.	.	.44	.42	.47	.77	2.13	1.86	2.39	2.59	2.39	1.76	.45	.52	16.19
#ELK 3 E	38.0	40.5	45.4	52.5	59.9	67.8	69.6	68.7	63.5	54.9	44.6	39.7	53.8	.61	.50	.61	.59	1.33	1.64	2.53	3.00	2.61	1.36	.42	.64	15.84
#FELIX	.	.	.	.	.	.	.	.	.	.	.	.	.	.50	.48	.55	.56	1.30	1.31	2.15	2.34	2.52	1.37	.44	.52	14.04
FORT SUMNER	.	.	.	.	.	.	.	.	.	.	.	.	.	.48	.38	.56	.87	1.64	1.12	2.53	2.30	1.80	1.28	.34	.44	13.74
#LAKE AVALON	.	.	.	.	.	.	.	.	.	.	.	.	.	.40	.33	.37	.47	1.92	1.28	1.47	1.41	1.80	1.54	.34	.40	11.73
ROSWELL AP	36.4	40.6	48.0	57.5	66.5	75.6	77.1	76.1	69.2	58.5	44.9	37.5	57.3	.48	.42	.50	.73	1.28	1.05	1.77	1.62	1.82	1.07	.34	.54	11.62
SANTA ROSA	38.5	42.3	47.9	56.8	65.2	74.4	77.3	76.1	69.2	58.5	46.4	40.5	57.8	.43	.42	.63	.72	1.77	1.36	2.47	2.47	1.63	1.17	.34	.51	13.92
DIVISION	40.2	44.1	50.1	58.7	66.9	76.0	77.9	77.1	70.6	60.6	48.0	41.8	59.3	.47	.39	.49	.66	1.64	1.33	2.13	2.02	1.97	1.34	.36	.50	13.30
SOUTHERN DESERT																										
#ALAMOGORDO	.	.	.	.	.	.	.	.	.	.	.	.	.	.73	.55	.39	.34	.48	.72	1.61	1.66	1.46	.88	.40	.58	9.80
#ANIMAS	.	.	.	.	.	.	.	.	.	.	.	.	.	.61	.62	.53	.22	.23	.49	1.79	2.39	1.25	.85	.41	.60	9.99
#DEMING	40.7	45.3	51.0	59.2	67.6	77.4	80.5	78.7	72.8	62.0	49.0	42.2	60.5	.46	.59	.32	.30	.25	.50	1.62	1.70	1.46	.80	.30	.54	8.84
GAGE 4 ESE	.	.	.	.	.	.	.	.	.	.	.	.	.	.58	.75	.42	.26	.20	.41	1.43	1.97	1.49	.82	.38	.66	9.37
#HACHITA	41.1	45.3	50.8	58.7	66.7	76.1	78.6	76.7	71.5	61.0	48.8	42.4	59.8	.58	.67	.45	.21	.17	.40	1.76	2.33	1.10	.86	.36	.65	9.54
#HATCH	.	.	.	.	.	.	.	.	.	.	.	.	.	.45	.40	.28	.37	.29	.53	1.69	1.81	1.37	.98	.23	.54	8.94
HILLSBORO	.	.	.	.	.	.	.	.	.	.	.	.	.	.62	.58	.46	.41	.42	.71	1.89	2.00	1.87	1.06	.30	.66	10.98
#JORNADA EXP RANGE	39.3	43.8	49.7	57.9	66.0	75.7	79.3	77.5	71.2	60.0	46.5	39.9	58.9	.54	.42	.27	.24	.29	.53	1.60	1.71	1.44	.91	.36	.55	8.86
#LORDSBURG	.	.	.	.	.	.	.	.	.	.	.	.	.	.79	.90	.61	.33	.13	.45	1.51	2.21	1.29	.75	.49	.64	10.10
#OROGRANDE	42.3	46.9	53.5	61.7	70.8	80.7	82.4	80.5	74.3	63.7	49.3	43.0	62.4	.50	.39	.28	.33	.43	.84	1.52	1.57	1.26	.92	.30	.45	8.79
PARKS RANCH	.	.	.	.	.	.	.	.	.	.	.	.	.	.79	.91	.66	.48	.37	.86	2.66	2.44	1.96	1.06	.47	.79	13.45
*STATE UNIVERSITY	40.9	45.4	51.1	59.3	67.3	76.6	79.5	77.8	71.5	61.0	47.7	42.0	60.0	.47	.51	.30	.17	.31	.53	1.29	1.68	1.22	.75	.30	.48	8.01
DIVISION	41.2	45.4	51.2	59.3	67.4	76.8	79.6	77.8	72.2	61.7	48.6	42.4	60.3	.63	.61	.44	.31	.30	.56	1.77	1.95	1.42	.90	.38	.64	9.93

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1963 REVISIONS AND ADDITIONS TO CLIMATOGRAPHY OF THE UNITED STATES NO. 81-25
NEW MEXICO
TABLE I — NORMALS FOR FIRST ORDER STATIONS

STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
ALBUQUERQUE AP													
G5310 T 5													
MAX TEMP	46.4	52.2	58.8	69.1	78.3	88.6	91.2	88.0	82.3	70.7	56.1	48.3	69.2
MIN TEMP	23.5	27.5	32.7	42.2	51.9	61.1	65.8	64.3	57.6	45.3	31.1	25.6	44.1
AVG TEMP	35.0	39.9	45.8	55.7	65.1	74.9	78.5	76.2	70.0	58.0	43.6	37.0	56.6
DEG DAYS	930	703	595	288	81	0	0	0	12	229	642	868	4348
ROSWELL AP													
G3617 T 4													
MAX TEMP	55.1	60.4	68.8	78.9	86.7	95.5	95.4	93.3	87.0	76.8	65.0	56.9	76.7
MIN TEMP	20.6	23.7	30.1	39.0	49.2	58.6	61.7	59.8	52.3	41.1	26.7	21.1	40.3
AVG TEMP	37.9	42.1	49.5	59.0	68.0	77.1	78.6	76.6	69.7	59.0	45.9	39.0	58.5
DEG DAYS	840	641	481	201	31	0	0	0	18	202	573	806	3793
SILVER CITY AP													
* H5373 T 4													
MAX TEMP	52.6	57.3	62.6	71.9	80.2	90.0	90.3	87.8	83.8	73.7	62.1	55.3	72.3
MIN TEMP	26.4	29.4	33.9	40.8	49.2	59.2	63.9	62.3	56.2	45.6	32.8	27.7	44.0
AVG TEMP	39.5	43.4	48.3	56.4	64.7	74.6	77.1	75.1	70.0	59.7	47.5	41.5	58.2
DEG DAYS	791	605	518	261	87	0	0	0	6	183	525	729	3705
PRECIP	.63	.69	.45	.29	.28	.58	2.09	2.40	1.46	.81	.43	.65	10.76
CLAYTON AP H4969 T 5													
AVG TEMP			40.9										
DEG DAYS			747										5158

TABLE II — NORMALS BY CLIMATOLOGICAL DIVISIONS
TEMPERATURE (°F.)

NORTHERN MOUNTAINS DIV	26.7	30.2											46.4

* NEW STATION

REVISIONS TO FIRST ORDER STATIONS IN TABLE I AFFECT THE SAME STATIONS IN TABLE II.

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