U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOGRAPHY OF THE UNITED STATES NO. 81-42

DECENNIAL CENSUS OF UNITED STATES CLIMATE—

MONTHLY NORMALS OF TEMPERATURE, PRECIPITATION, AND HEATING DEGREE DAYS

WYOMING

LIBRARY
MAR 20 1962
WEATHER BUREAU

WASHINGTON, D. C.:1962

For sale by the Superintendent of Documents, U. S. Government Printing Office
Washington 25, D. C. - Price 5 cents

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
CASPER AP	H5319 T 5													
	MAX TEMP	32.8	36.6	43.1	55.5	66.1	77.2*	87.1	85.1*	74.1*	61.0*	43.8	36.6	58.3
	MIN TEMP	13.9	16.0	21.1	30.7	40.1	48.9	56.3	55.0	45.3	35.5	23.3	18.0*	33.7
	AVG TEMP	23.4	26.3	32.1	43.1	53.1	63.1*	71.7	70.1*	59.7*	48.3*	33.6	27.3*	46.0
	DEG DAYS	1290	1084	1020	657	381	129*	6	16*	192*	524*	942	1169*	7410
	PRECIP	.56*	.59	1.03	1.69*	2.03	1.25	1.00	.72	.90*	.84*	.71	.48*	11.80
CHEYENNE AP	H6131 T 6													
	MAX TEMP	38.2	40.4	44.1	54.5	64.1	75.5*	84.2	81.8	73.2*	61.7	47.2	41.6	58.9
	MIN TEMP	13.6	15.2	19.7	28.6	38.6*	47.5*	53.8	52.6	43.0	33.2	22.2	18.4*	32.2
	AVG TEMP	25.9	27.8	31.9	41.6	51.4*	61.5*	69.0	67.2	58.1*	47.5	34.7	30.0*	45.6
	DEG DAYS	1212	1042	1026	702	428*	150*	28	37	219*	543	909	1085*	7381
	PRECIP	.52	.56	1.21	1.86*	2.52	2.11	1.82	1.44	1.10	.83	.62	.45	15.06
LANDER AP	H5563 T 6													
	MAX TEMP	30.8*	36.3*	44.5	55.8	66.0	76.0*	85.8*	83.6*	73.3*	60.4*	42.9	34.5*	57.5
	MIN TEMP	7.7*	11.8	19.9	30.5	39.8	48.0	55.4*	54.0	44.6	33.8	19.0	11.7*	31.4
	AVG TEMP	19.3*	24.1*	32.2	43.2	52.9	62.0*	70.6*	68.8*	59.0*	47.1*	31.0	23.1*	44.4
	DEG DAYS	1417*	1145*	1017	654	381	153*	6*	19*	204*	555*	1020	1299*	7870
	PRECIP	.46	.69	1.15	2.45	2.65	1.36	.77	.47	1.03	1.21*	.92	.42	13.58
SHERIDAN AP	H3942 T 6													
	MAX TEMP	34.0	36.4	42.9	56.3	66.8	75.4	87.1	85.6	74.1*	62.3	46.1	38.5*	58.8
	MIN TEMP	8.6	11.1	19.1	30.8	40.4	48.4	55.5	53.4	43.4	33.2	20.6	14.0*	31.5
	AVG TEMP	21.3	23.8	31.1	43.6	53.6	61.9	71.3	69.5	58.8*	47.8	33.4	26.3*	45.2
	DEG DAYS	1355	1154	1051	642	366	150	25	31	219*	539	948	1200*	7680
	PRECIP	.64*	.74*	1.42	2.16	2.57	2.57	1.19	.90	1.17*	1.13	.80	.62	15.91

TABLE II - NORMALS BY CLIMATOLOGICAL DIVISIONS

WYOMING

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
YELLOWSTONE DRAINAGE																										
#LAKE YELLOWSTONE	•	•	•	•	•	•	•	•	•	•	•	•	•	1.86	1.53	1.70	1.51	1.64	2.18	1.38	1.38	1.31	1.18	1.50	1.69	18.86
#LAMAR RS	12.2	16.9	23.6	35.2	45.1	51.7	58.3	56.3	48.7	39.2	24.6	16.3	35.7	.93	.72	.83	1.03	1.51	2.11	1.26	1.29	1.13	.96	.80	.86	13.43
#TOWER FALLS	•	•	•	•	•	•	•	•	•	•	•	•	•	1.28	.97	1.24	1.32	1.79	2.22	1.41	1.32	1.22	1.23	1.10	1.11	16.21
#YELLOWSTONE PARK	18.5	21.6	27.1	37.9	47.2	54.3	62.9	61.0	52.4	42.5	28.8	22.6	39.7	1.08	.91	1.25	1.34	1.77	2.24	1.15	1.23	1.16	1.10	1.04	1.11	15.38
DIVISION	16.0	19.6	25.5	36.5	45.6	52.7	60.4	58.7	50.6	41.2	27.1	20.4	37.9	1.22	1.01	1.25	1.28	1.63	2.13	1.29	1.24	1.19	1.12	1.05	1.09	15.50
SNAKE DRAINAGE																										
AFTON 2 N	13.3	17.8	24.8	37.1	47.5	53.3	60.5	58.8	51.7	42.2	27.1	17.2	37.6	1.53	1.51	1.55	1.52	1.95	1.96	1.06	1.05	1.16	1.53	1.52	1.59	17.93
ALTA 1 NNW	18.4	21.8	27.2	37.8	47.5	54.4	63.1	61.3	53.3	43.6	29.1	22.6	40.0	1.60	1.48	1.51	1.48	2.04	2.29	.94	1.19	1.28	1.48	1.41	1.51	18.21
BEDFORD 2 SE	16.9	21.3	27.2	37.9	47.5	53.9	61.4	60.2	52.7	43.2	28.6	20.8	39.3	2.11	1.95	2.02	1.67	2.13	2.08	.93	1.64	1.26	1.57	1.78	2.18	20.72
#JACKSON	14.2	18.5	26.1	38.4	46.8	54.0	60.9	59.0	51.5	41.8	26.9	18.1	38.0	1.43	1.32	1.20	1.20	1.50	1.51	.75	1.12	1.04	1.11	1.11	1.54	14.83
MORAN	10.6	14.5	20.9	33.0	43.5	50.9	57.9	55.8	48.3	38.8	26.3	15.4	34.7	2.35	2.28	2.08	1.73	1.85	1.77	.97	1.30	1.28	1.45	1.88	2.36	21.30
DIVISION	13.9	18.0	24.4	36.0	45.7	52.8	60.2	58.4	50.7	41.4	26.5	17.9	37.2	2.61	2.42	2.33	1.70	2.02	2.12	1.01	1.21	1.31	1.63	2.00	2.57	22.93
GREEN AND BEAR DRAINAGE																										
BORDER 3 N	11.6	15.7	24.1	38.3	48.5	55.4	62.9	61.0	52.9	42.7	27.6	17.5	38.2	1.24	1.13	1.04	1.13	1.30	1.28	.77	.82	.84	1.17	1.07	1.23	13.02
#DIXON	17.8	22.1	30.3	41.8	50.5	58.5	65.2	63.2	54.8	44.5	30.5	22.6	41.8	.93	.69	1.17	1.27	1.27	.95	1.22	1.14	.85	1.28	.79	1.00	12.56
#EVANSTON 1 E	17.1	20.4	26.9	38.1	47.3	54.8	62.5	60.8	52.9	42.6	28.3	21.5	39.4	.72	.86	.91	1.05	1.19	1.04	.66	.92	.68	.92	.84	.70	10.49
GREEN RIVER	19.1	24.1	32.7	43.6	53.3	61.8	69.5	67.2	57.8	46.5	31.8	23.5	44.2	.48	.52	.67	.99	1.20	.92	.57	.84	.65	.98	.50	.38	8.70
KENDALL	•	•	•	•	•	•	•	•	•	•	•	•	•	1.65	1.35	1.44	1.20	1.98	1.85	1.18	1.25	1.14	1.15	1.24	1.59	17.02
SAGE 4 NNW	•	•	•	•	•	•	•	•	•	•	•	•	•	.67	.67	.69	.77	1.22	.96	.66	.85	.70	.84	.67	.57	9.27
DIVISION	15.7	19.7	27.1	39.0	48.6	56.6	64.0	62.0	53.5	43.0	28.4	20.3	39.8	.75	.73	.82	1.00	1.30	1.09	.84	.89	.77	.97	.72	.74	10.62
BIG HORN AND WIND RIVER DRAINAGE																										
#BASIN	16.6	23.2	35.2	47.8	58.1	66.5	74.2	71.5	61.0	49.1	32.1	21.7	46.4	.24	.19	.33	.72	1.03	1.14	.55	.30	.65	.48	.36	.22	6.21
#BUFFALO BILL DAM	28.0	29.7	34.6	44.5	53.0	60.4	68.5	68.1	60.4	51.1	38.5	32.6	47.5	.41	.48	.79	1.45	1.95	1.94	1.06	.81	.93	.74	.51	.30	11.37
CODY AP	24.7	27.3	33.8	44.4	53.8	61.3	69.9	67.7	58.2	48.7	34.8	28.8	46.1	.31	.36	.60	1.08	1.50	1.73	.99	.70	.79	.61	.46	.25	9.38
#DEAVER	17.0	22.7	32.3	44.9	55.3	63.6	71.8	68.9	58.1	46.5	30.9	21.8	44.5	.17	.15	.21	.50	.86	1.21	.54	.35	.48	.36	.18	.20	5.21
#DIVERSION DAM	20.4	24.4	32.3	43.0	52.2	60.5	68.5	66.2	57.1	46.6	31.7	24.6	44.0	.21	.21	.48	1.26	1.97	1.46	.82	.61	.96	.88	.42	.17	9.45
#DUBOIS	21.7	23.8	28.9	38.1	47.0	54.2	61.2	59.3	51.5	42.9	30.8	25.5	40.4	.38	.32	.55	1.15	1.47	1.32	.91	.69	.99	.81	.45	.31	9.35
FORT WASHAKIE	•	•	•	•	•	•	•	•	•	•	•	•	•	.33	.43	.86	1.95	2.49	1.49	.75	.48	1.05	1.07	.72	.28	11.90
LANDER AP	19.3	24.1	32.2	43.2	52.9	62.0	70.6	68.8	59.0	47.1	31.0	23.1	44.4	.46	.69	1.15	2.45	2.65	1.36	.77	.47	1.03	1.21	.92	.42	13.58
#LOVELL	17.9	23.1	32.9	45.4	56.0	64.0	71.9	68.8	57.5	46.6	32.1	22.8	44.9	.28	.27	.42	.59	1.04	1.47	.62	.45	.61	.59	.32	.26	6.92
#PAVILLION	19.7	25.2	33.9	44.9	54.6	63.1	70.7	68.4	59.3	47.6	31.4	23.5	45.2	.21	.18	.48	1.18	1.84	1.27	.75	.57	.80	.81	.40	.18	8.67
#POWELL	20.2	25.0	33.5	45.2	55.3	63.2	71.2	69.0	59.0	48.1	32.4	24.7	45.6	.13	.13	.21	.47	1.02	1.33	.60	.49	.58	.41	.20	.10	5.67
#RIVERTON	15.3	21.9	32.9	44.3	54.1	62.8	70.2	67.8	57.9	46.2	29.1	19.7	43.5	.21	.25	.52	1.32	1.81	1.26	.67	.44	.76	.82	.53	.20	8.79
SUNSHINE 3 SW	21.3	22.7	27.1	37.4	46.1	55.2	60.8	59.3	51.6	43.1	30.6	24.8	39.8	.51	.51	1.13	2.42	3.04	2.70	1.87	1.21	1.33	1.16	.84	.42	17.14
THERMOPOLIS	20.5	25.7	34.7	46.2	55.8	64.3	72.3	70.4	60.1	48.2	32.8	24.8	46.3	.43	.35	.68	1.66	1.99	1.69	.68	.59	1.00	.98	.67	.29	11.01
#WORLAND	15.5	21.6	33.3	45.6	56.1	64.6	72.0	69.3	58.6	46.9	30.8	20.3	44.6	.25	.22	.37	.99	1.34	1.45	.74	.41	.72	.64	.41	.22	7.76
DIVISION	20.1	24.4	32.5	43.7	53.4	61.6	69.7	67.5	58.0	47.3	32.1	24.4	44.6	.33	.34	.63	1.38	1.84	1.55	.86	.61	.87	.81	.51	.28	10.01
POWDER, LITTLE MISSOURI, AND TONGUE DRAINAGE																										
#MIDWEST	24.1	27.3	34.1	45.0	54.9	64.4	73.0	71.2	61.1	49.8	34.8	28.2	47.3	.55	.55	1.01	1.72	2.21	1.74	1.19	.80	.93	.90	.72	.52	12.84
SHERIDAN AP	21.3	23.8	31.1	43.6	53.6	61.9	71.3	69.5	58.8	47.8	33.4	26.3	45.2	.64	.74	1.42	2.16	2.57	2.57	1.19	.90	1.17	1.13	.80	.62	15.91
#SHERIDAN FLD STA	19.5	21.9	30.5	43.7	54.3	62.3	71.5	69.9	58.9	47.5	32.4	24.8	44.8	.51	.60	1.13	1.99	2.67	2.79	1.34	.92	1.32	1.22	.73	.49	15.71
DIVISION	20.9	23.7	30.6	42.3	52.1	60.6	69.6	67.8	57.7	47.2	32.5	25.7	44.2	.55	.54	1.06	1.82	2.37	2.43	1.27	.92	1.14	.98	.75	.54	14.37
BELLE FOURCHE DRAINAGE																										
COLONY	21.5	23.8	30.9	44.4	55.4	64.4	74.0	72.0	61.2	49.4	34.3	26.7	46.5	.50	.43	.83	1.60	2.20	3.24	1.37	1.26	1.18	.78	.67	.42	14.48
GILLETTE 2 E	21.9	24.6	31.1	42.8	53.1	61.6	71.9	70.2	59.7	48.4	33.2	26.5	45.4	.63	.50	1.06	1.66	2.22	2.58	1.24	.95	1.09	.71	.75	.61	14.00
#SUNDANCE	•	•	•	•	•	•	•	•	•	•	•	•	•	.68	.61	1.06	1.67	2.47	3.34	1.65	1.12	1.31	.94	.83	.64	16.32
DIVISION	21.0	23.6	30.5	42.7	53.1	62.0	71.3	69.5	59.0	47.7	32.7	25.6	44.9	.59	.53	.97	1.72	2.37	2.93	1.45	1.14	1.20	.90	.74	.57	15.11
CHEYENNE AND NIOBRARA DR																										
DULL CENTER 1 SE	23.6	26.4	32.9	44.4	54.5	64.2	73.2	71.0	60.3	48.7	34.2	26.9	46.7	.24	.27	.56	1.49	2.31	2.20	1.48	1.21	.94	.80	.40	.27	12.17
KIRTLEY	22.7	24.9	30.5	41.8	52.0	61.2	70.2	68.8	59.1	47.6	33.4	26.6	44.9	.53	.61	.97	2.31	3.06	2.96	1.55	1.27	1.31	1.07	.66	.54	16.84
#LUSK	24.2	26.8	32.7	43.3	52.1	62.7	70.6	68.9	59.0	48.0	34.0	27.6	45.9	.49	.50	.82	1.91	2.68	2.80	1.56	1.11	1.14	.87	.62	.50	15.00
#NEWCASTLE	23.1	26.0	32.3	44.3	55.2	64.7	74.0	71.9	60.9	49.2	34.2	27.4	46.9	.42	.41	.79	1.37	2.32	2.58	1.64	1.53	.88	.75	.48	.41	13.58
ROCHELLE 3 E	•	•	•	•	•	•	•	•	•	•	•	•	•	.27	.30	.78	1.73	2.10	2.33	1.50	1.25	.85	.78	.40	.31	12.60
#SPENCER 1 NE	•	•	•	•	•	•	•	•	•	•	•	•	•	.41	.46	.95	1.65	2.38	2.41	1.64	1.25	.90	.83	.41	.38	13.67
DIVISION	22.3	25.3	31.9	43.4	53.7	63.1	72.0	70.1	59.1	48.2	33.3	26.1	45.7	.39	.42	.78	1.70	2.45	2.46	1.58	1.21	.95	.83	.50	.39	13.66
PLATTE DRAINAGE																										
#ARCHER	•	•	•	•	•	•	•	•	•	•	•	•	•	.39	.33	.76	1.63	2.73	2.54	1.80	1.65	1.17	.90	.47	.30	14.67
CASPER AP	23.4	26.3	32.1	43.1	53.1	63.1	71.7	70.1	59.7	48.3	33.6	27.3	46.0	.56	.59	1.03	1.69	2.03	1.25	1.00	.72	.90	.84	.71	.48	11.80
CHEYENNE AP	25.9	27.8	31.9	41.6	51.4	61.5	69.0	67.2	58.1	47.5	34.7	30.0	45.6	.52	.56	1.21	1.88	2.52	2.11	1.82	1.44	1.10	.83	.62	.45	15.06
#CHUGWATER	27.4	29.3	33.9	43.6	52.8	62.2	69.4	68.0	58.6	48.3	35.8	30.4	46.6	.54	.58	1.08	2.07	2.62	2.36	1.87	1.08	1.10	.92	.64	.64	15.50
ELK MOUNTAIN	•	•	•	•	•	•	•	•	•	•	•	•	•	.72	.85	1.33	1.56	1.35	.98	.84	.93	.95	.82	.77	.63	11.73
#ENCAMPMENT 1 ESE	21.9	23.5	28.9	39.7	49.1	57.3	64.5	63.3	55.5	45.3	32.1	25.6	42.2	.84	.81	1.50	1.73	1.79	1.31	1.20	1.34	1.06	1.21	.90	.88	14.57
FORT LARAMIE 11 NNW	•	•	•	•	•	•	•	•	•	•	•	•	•	.40	.45	.76	1.91	2.52	2.49	1.40	1.22	1.22	.90	.46	.51	14.24
#FOXPARK	15.2	17.1	21.3	30.5	39.7	48.6	54.8	53.8	46.5	37.2	24.2	19.0	34.0	1.37	1.37	1.71	1.68	1.55	1.57	1.68	1.49	1.16	.97	1.11	1.03	16.69
#HECLA	•	•	•	•	•	•	•	•	•	•	•	•	•	.48	.56	1.19	2.14	2.64	1.87	1.98	1.34	1.07	.88	.64	.47	15.26
LARAMIE	22.8	25.2	29.8	39.3	48.7	58.4	65.4	63.8	55.4	45.2	32.0	26.3	42.7	.38	.42	.76	1.25	1.54	1.46	1.73	1.21	.81	.67	.47	.44	11.14
#LEO 6 SW	•	•	•	•	•	•	•	•	•	•	•	•	•	.61	.61	.98	1.29	1.37	1.05	.91	.90	.80	.95	.73	.54	10.74
#PATHFINDER DAM	22.4	25.0	31.8	43.1	53.2	63.1	71.8	70.0	60.1	48.8	34.2	27.2	45.9	.29	.38	.63	1.11	1.59	1.19	1.03	.88	.83	.86	.49	.30	9.58
#PINE BLUFFS	26.5	29.4	34.5	45.1	54.7	64.6	72.1	70.5	61.1	49.5	35.9	29.7	47.8	.30	.32	.73	1.61	2.61	2.52	1.86	1.61	1.20	.65	.40	.37	14.18
SARATOGA	20.7	23.6	29.6	40.0	49.5	58.3	65.6	63.9	55.2	44.5	30.7	24.4	42.2	.45	.40	.72	.94	1.25	1.04	.85	.97	.75	.91	.52	.47	9.27
SOUTH PASS CITY	•	•	•	•	•	•	•	•	•	•	•	•	•	.90	.91	1.10	1.50	1.32	1.35	.78	.90	.82	.98	.86	.76	12.18
#TORRINGTON EXP FARM	26.5	29.7	35.7	46.1	56.0	65.7	72.6	70.4	60.5	49.5	36.1	29.4	48.2	.28	.39	.76	1.80	2.55	2.75	1.41	.95	1.01	.72	.47	.43	13.52
WHEATLAND 1 N	29.0	31.1	36.2	46.6	56.1	65.7	73.4	71.8	62.1	51.3	38.1	32.5	49.5	.27	.35	.65	1.75	2.42	1.98	1.25	1.05	1.16	.77	.42	.37	12.44
#YODER	•	•	•	•	•	•	•	•	•	•	•	•	•	.28	.36	.73	1.78	2.41	2.49	1.53	1.03	1.03	.78	.42	.37	13.21
DIVISION	23.1	25.6	30.9	41.5	51.0	60.5	68.1	66.3	57.2	46.5	32.8	26.8	44.2	.54	.58	.95	1.58	2.04	1.79	1.40	1.10	1.00	.86	.62	.54	13.00

GPO 924546

M 82.2/73
U 587C1
81-42

1963 REVISIONS AND ADDITIONS TO CLIMATOGRAPHY OF THE UNITED STATES NO. 81-42 WYOMING

TABLE I — NORMALS FOR FIRST ORDER STATIONS

STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
CHEYENNE AP													
G6126 T 5													
MAX TEMP	37.2	39.4	44.1	55.5	65.1	76.5	85.2	82.8	74.2	62.7	47.2	41.6	59.3
MIN TEMP	13.6	15.2	20.7	29.6	40.6	49.5	54.8	52.6	43.0	32.2	21.2	17.4	32.5
AVG TEMP	25.4	27.3	32.4	42.6	52.9	63.0	70.0	67.7	58.6	47.5	34.2	29.5	45.9
DEG DAYS	1228	1056	1011	672	381	102	19	31	210	543	924	1101	7278
SHERIDAN AP H3942 T 6													
AVG TEMP			31.0										
DEG DAYS			1054										7683

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

CHEYENNE AND NIOBRARA DR													
SPENCER 10 NE													
(CORRECTION TO NAME ONLY)													
PLATTE DRAINAGE													
ENCAMPMENT 10 ESE													
(CORRECTION TO NAME ONLY)													

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

USCOMM-WB-Asheville, N. C. -3/31/64- 1900

LIBRARY
JUL 8 1964
WEATHER BUREAU