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TECHNICAL PAPER NO. 32

Upper-Air Climatology of the United States

Part 2—Extremes and Standard Deviations of Average Heights and Temperatures

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UPPER-AIR CLIMATOLOGY OF THE UNITED STATES

PART 2 - EXTREMES AND STANDARD DEVIATIONS OF AVERAGE HEIGHTS AND TEMPERATURES

Benjamin Ratner

INTRODUCTION

Average values of height, temperature, relative humidity, and density at surfaces of constant pressure were recently published in Part 1 of this Technical Paper (See [1]). Part 2 provides information on the distribution of daily values around the monthly averages of height and temperature by a presentation of the standard deviations and extreme values for the individual stations included in the network. Data for the 950-, 850-, 700-, 500-, 300-, 200-, 150-, and 100-mb. surfaces for each month are shown in tabular form in Section A.

Section B is composed of two series of charts for the months of January, April, July, and October, for the 850-, 700-, 500-, 300-, 200-, 150-, and 100-mb. surfaces, as follows:

1. Height contours, with isolines of standard deviations of height superimposed thereon, and extreme values of height for each station.
2. Isotherms, with standard deviations of temperature superimposed thereon, and extreme values of temperature for each station.

Section C contains two series of tabulations of the absolute extremes of height, temperature, and density. One series applies only to continental United States and the other to the entire network of stations for which data are shown in this publication. The latter includes stations in Alaska and the Caribbean as well as in continental United States.

The extremes of height and temperature are the highest and lowest daily values observed during the period summarized. However, the extremes of density in Section C are the monthly extremes; i.e., the highest or lowest monthly mean value of density computed for the period. These are shown in lieu of the absolute daily extremes which are not available. However a method for estimating the daily extremes of density is explained below. Monthly means of density were computed from monthly mean values of temperature, height, and relative humidity, as explained in Part 1.

PERIOD OF RECORD

The data contained in this publication are based on radiosonde observations taken at 0300 Greenwich Mean Time during the 10-year period, 1946-1955.

Values are shown for all Weather Bureau stations having at least an 8-year record during that period.

UNITS USED

Data are shown for constant pressure surfaces, described in millibars.

Heights, as well as standard deviations of height, are in geopotential meters above sea level (1 gpm = 0.98 dynamic meters). These are shown to the nearest whole meter in the tables, and in 10's of meters on the charts.

Temperature and standard deviations of temperature are shown in degrees Celsius. Extremes of temperature are to whole degrees, with fractions dropped; i.e., 5.0° and 5.9° are each indicated as 5°.

METHODS OF SUMMARIZATION

Standard deviations of height and temperature were computed by the formula

$$S = \sqrt{\frac{\sum_{i=1}^{k} (x_i - \bar{x})^2}{k - 1}} \qquad (1)$$

where x_i is the observational value for a day, k is the total number of daily observational values in the 10 years of record, and $\bar{x}$ is the mean of the k observations.

A standard deviation in this form is a measure of the distribution around the monthly mean, irrespective of seasonal trend. Adjustment to exclude the effect of seasonal trend can be made satisfactorily by use of figures 1 (height) and 2 (temperature). These graphs are based on the formula

$$S_r = \sqrt{S_o^2 - \frac{D^2}{48}} \qquad (2)$$

where S_r is the adjusted standard deviation, S_o is the standard deviation as obtained from equation (1) (and shown in Section B) which includes the effect of seasonal trend, and D is the difference in value between the preceding and following month, centered on the month of interest. The graphs should be used as follows:

For adjustment of a height value,

1. From Part 1 of "Upper Air Climatology of the United States" [1], determine the change in height between the months immediately preceding and following the one being adjusted. (For adjustment of July value, determine difference in height, neglecting its sign, between the values for June and August.)

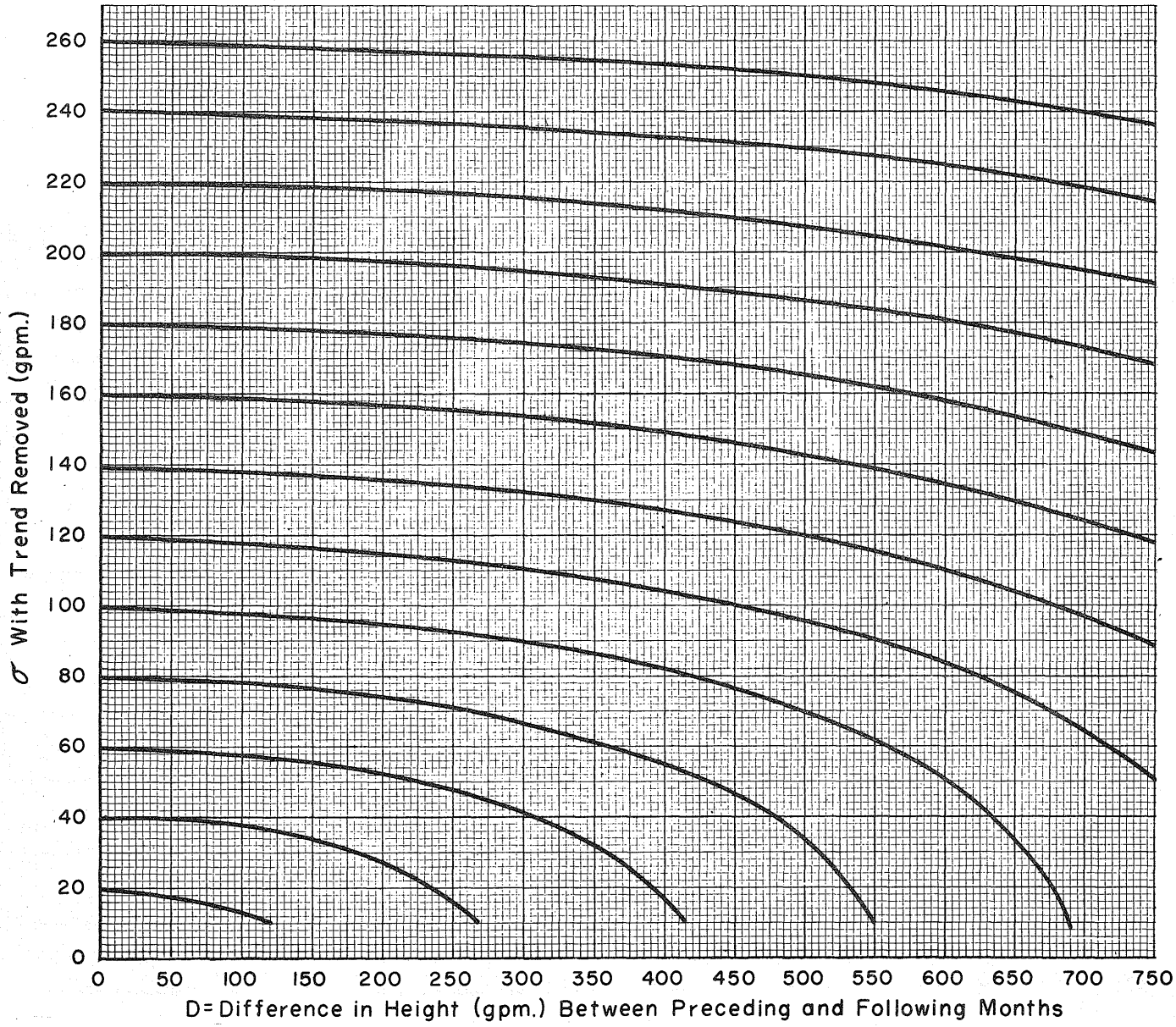

Figure 1. - Diagram for adjusting standard deviation of height to exclude seasonal trend. Labels at left apply to both curves and horizontal grid.

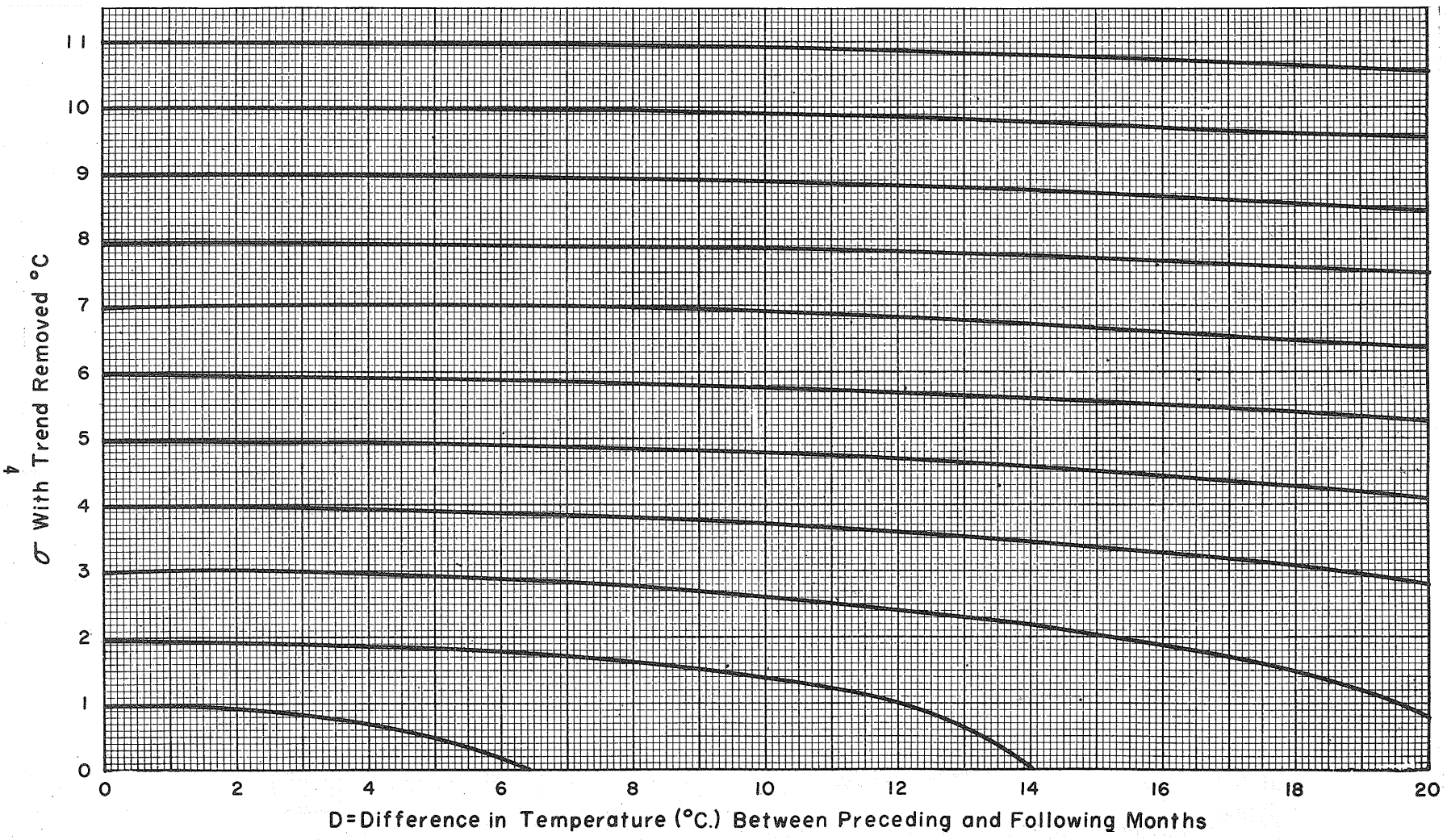

Figure 2. - Diagram for adjusting standard deviation of temperature to exclude seasonal trend. Labels at left apply to both curves and horizontal grid.

2. Enter the abscissa of figure 1 with this value, labeled D, and move upward to the curved line whose value shown is that of the standard deviation (from Section B).

3. Move horizontally to the ordinate to read off the adjusted standard deviation. Example: To find adjusted standard deviation of 700-mb. height for April, at Omaha.

   a. The difference in height between March (2970) and May (3072) is 102 meters.

   b. Find the 102-meter point along the abscissa of figure 1, and extend it vertically until it intersects a value of 66 (the computed value of standard deviation for April) along the curved lines.

   c. Read value from horizontal lines. This value of 64 meters is the standard deviation of 700-mb. height for Omaha, for the month of April, adjusted to exclude seasonal trend.

To make this operation even faster and eliminate the necessity of interpolation between curves, extend the 102-meter abscissa value vertically. Note that the difference between the curved and horizontal lines, both at 60 and 80 meters is 2 meters. This would indicate that the original value of 66 meters should be adjusted by 2 meters. Since the values adjusted for seasonal trend can never be higher than the unadjusted, the value must be adjusted downward for a value of 64 meters.

Adjustments for temperature can be made similarly, using figure 2.

Although use of equation (2) and figures 1 and 2 only approximates the adjustment required to remove seasonal trend from the standard deviations given by equation (1), tests of sample data indicate that, in the case of standard deviations of height, equation (2) yields estimates which only rarely differ from the correct values by more than 2 meters. Actually, other sampling errors in the data are of larger magnitude, although not as systematic in direction.

Formulas which are more general than equation (2) were applied without significant improvement in results. These attempted to take account of the usual non-linearity of seasonal trends through the month of interest; the two-month trend, D in equation (2), was replaced by two one-month trends. Since, however, the "standard deviation" of a non-linear trend is always less than that of linear trend segments combined to approximate it, refinements of equation (2) tend to over-correct the standard deviations and their use is not recommended.

Tables 1 and 2 show the published and adjusted values of height and temperature respectively, for Fairbanks, Omaha, and Brownsville, for the mid-month of each season.

Table 1 indicates that the effect of seasonal trend on height is negligible in January and July, having a maximum value of only 2 meters when all three of these latitudinally widely dispersed stations are considered. In fact, no adjustments are required for most levels during these months. The seasonal trend is largest during the fall season and at the highest altitudes, as indicated by the data for October. Even here, the effects of seasonal trend are small in southern areas as exemplified by the data for Brownsville.

The effects of seasonal trend are extremely small for temperatures of the upper air. Table 2 indicates that adjustments are not required at any level during the months of January and July for any of the stations tested. During the other months adjustment values are small throughout, but are largest at the 950-mb. level. The maximum value at levels of 700 mb. and above, considering all three stations, is only 0.2°C.

Table 1. - Adjustment of standard deviations of height (gpm.) to eliminate effects of seasonal trend

Mb.	January		April		July		October	
	Original	Adjusted	Original	Adjusted	Original	Adjusted	Original	Adjusted
				Fairbanks				
850	114	114	91	90	52	52	93	92
700	124	124	94	92	61	61	96	94
500	156	156	120	116	82	82	120	116
300	202	202	168	163	120	120	170	164
200	191	191	148	141	115	115	163	156
100	186	186	152	145	87	86	117	106
				Omaha				
850	58	58	58	58	30	29	47	46
700	63	63	66	64	33	32	58	55
500	101	101	99	96	46	44	93	87
300	155	155	147	141	74	72	137	128
200	136	135	144	137	93	92	139	127
100	85	84	99	93	58	56	94	82
				Brownsville				
850	37	37	36	36	17	17	26	26
700	35	35	31	31	16	16	23	23
500	50	50	41	40	17	17	31	30
300	78	78	58	57	29	29	60	58
200	87	87	69	67	39	39	79	75
100	71	71	61	59	47	47	70	67

Table 2. - Adjustment of standard deviations of temperature (°C.) to eliminate effects of seasonal trend

Mb.	January		April		July		October	
	Original	Adjusted	Original	Adjusted	Original	Adjusted	Original	Adjusted
				Fairbanks				
950	8.7	8.7	6.5	6.0	4.5	4.5	5.8	5.2
850	8.3	8.3	5.8	5.5	3.8	3.8	5.2	5.0
700	6.1	6.1	4.5	4.3	3.0	3.0	4.4	4.2
500	5.4	5.4	4.9	4.8	3.3	3.3	4.9	4.8
300	3.8	3.8	3.5	3.4	3.2	3.2	3.7	3.7
200	6.4	6.4	5.2	5.2	5.3	5.3	4.8	4.8
100	4.2	4.2	3.7	3.7	2.4	2.4	3.1	3.1
				Omaha				
950	8.2	8.2	6.8	6.5	4.0	4.0	6.4	6.0
850	7.7	7.7	7.0	6.9	4.1	4.1	6.4	6.1
700	6.2	6.2	5.6	5.5	3.1	3.1	5.2	5.0
500	5.2	5.2	4.4	4.2	2.2	2.2	4.2	4.0
300	3.7	3.7	3.3	3.2	2.8	2.8	3.2	3.1
200	5.9	5.9	5.4	5.4	2.3	2.3	4.0	4.0
100	3.6	3.6	3.4	3.4	3.3	3.3	3.9	3.9
				Brownsville				
950	5.6	5.6	3.2	3.1	1.0	1.0	2.3	2.0
850	4.8	4.8	3.8	3.8	1.3	1.3	2.6	2.5
700	3.0	3.0	3.0	3.0	1.1	1.1	2.2	2.2
500	2.5	2.5	2.1	2.1	1.2	1.2	2.3	2.2
300	2.4	2.4	1.9	1.9	1.4	1.4	2.6	2.5
200	3.3	3.3	2.6	2.6	1.4	1.4	1.8	1.8
100	2.7	2.7	2.8	2.8	2.4	2.4	3.1	3.1

Standard deviations of both height and temperature show a rather consistent trend through all seasons. Deviations of height are greatest over northern and northwestern regions at all heights and during all seasons. They are least in the south and southeast. They increase with height up to the tropopause level and decrease above that. They are highest during the winter season and lowest in the summer. Individual monthly values of standard deviations of height vary from 11 meters at the San Juan 850-mb. surface during July to 253 meters at the 300-mb. surface at Bethel during January.

Standard deviations of temperature generally show a maximum over the northern border of the United States, usually centered over Montana, the Dakotas, and Minnesota. The minimum values are over Florida and the Caribbean. Deviations are greatest during the winter season and smallest during the summer. They are

largest near the ground and decrease with altitude. Individual monthly values of standard deviations of temperature vary from 0.8°C. at the 950-mb. surface at the Caribbean stations, to 11.1°C. in January at the 850-mb. surface at Great Falls.

Extremes of height and temperature for the 950-, 850-, 700-, 500-, 300-, 200-, and 100-mb. surfaces are shown for each month in the tabulation for each station. These extremes were originally obtained by a punched card selection of the highest and lowest values for each increment. A tabulation prepared from extremes obtained in this manner is likely to contain a certain number of spurious values, especially in view of the fact that these summaries cover a period, part of which was before the present complete checking system was inaugurated. It should also be considered that a single erroneous observation during the entire 10-year period could result in a false extreme for the station, and that it is possible for an error to remain in the records despite all checking efforts.

Various verification methods were used to detect false values. In addition all cases where the extreme value was more than three standard deviations from the mean were investigated by a study of the appropriate synoptic charts as well as examination of the original records. A considerable amount of the data was plotted and analyzed. All values found to be erroneous were deleted and replaced by the next highest or lowest value.

Examination of the charts in this volume reveals certain extreme values that would not fit into a smooth pattern of isolines drawn for each extreme. These were each investigated and determination made that they are not the result of erroneous soundings.

These cases of values not fitting the pattern are most often caused by missing observations during critical conditions. An example is the case where an intense cold wave pushes across the country lowering all minimum temperatures along its path by 5°. A station whose sounding ended at a low altitude on that date would not have its minimum temperature affected and would show a higher minimum for the level than its surrounding stations.

These listings are then the extreme values actually observed at each level during the 10 years covered in this publication after erroneous values were eliminated so far as possible.

Absolute extremes of height, temperature, and density for the 950-, 850-, 700-, 500-, 300-, 200-, 150-, and 100-mb. surfaces are presented in Section C. Next to each extreme value are the call letters[1] of the station at which the extreme occurred. Where the extreme occurred at two stations, the call letters of both are indicated. Where the extreme occurred at more than two stations, the call letters of one station and a reference number are shown, with the additional stations indicated by the referenced note at the bottom of the page. Extremes of any of these parameters can thus be easily determined for each of the selected surfaces, for each month, for either the continental network or the entire network for which data are shown.

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[1]Call letters of stations are identified on page

Table C-1 indicates that the maximum heights for continental United States usually occur at southern stations, except for the lowest surfaces, during the winter season.

The highest recorded heights for the 950-, 850-, and 700-mb. surfaces for the continental United States as well as for the entire network (table C-3) occurred at Washington, D. C., during the months of September and October; for the 500-, 300-, and 200-mb. surfaces at Atlanta and San Antonio during August; for the 150-mb. surface at Little Rock during June; for the 100-mb. surface at Charleston during March.

Table C-2 shows that minimum heights for all surfaces for continental United States occurred mainly at northern stations and during the winter months. Exceptions are the low values for low surfaces indicated at Hatteras and Miami during the months of August, September, and October. These were caused by hurricane activity along the east coast. When considering the entire network (table C-4) the absolute minima practically always occurred over Alaska.

Maximum temperatures (table C-5) occurred at southern stations and during the summer season in the troposphere. The extreme maximum of 42°C. (108°F.) occurred at the 950-mb. surface at Phoenix during both July and September. The expected reversal is indicated for the stratosphere with warmest temperatures recorded at northern stations. A maximum temperature for the 300-mb surface of -23°C. was recorded at Pittsburgh during November. At the 100-mb. surface, the maximum temperature for the continental United States (-40°C.) is indicated at Caribou during February, and for the entire network (table C-7) at Yakutat during December, with an extreme of -35°C.

Tables C-6 and C-8, showing absolute minimum temperatures for continental United States and the entire network, respectively, present a picture that is rather a reversal of that for the maximum temperatures. The lowest temperatures for the troposphere occurred over Alaska, but the lowest temperatures at the 200- and 150-mb. surfaces were over United States stations. The absolute minimum temperature (-49°C.) for the 950-mb. surface occurred at Northway during January, and for 300-mb. at Fairbanks during December (-67°C.). The absolute lowest temperature recorded during the 10-year period, -84°C. (-119°F.) is indicated at San Juan during November.

Extremes of height and temperature are based on daily values, and thus depict the highest and lowest single daily value recorded at each pressure surface during each month. However tables C-9 through C-12 are based on monthly mean values of density. Accordingly, the values shown in these tables are the highest and lowest monthly mean values of density for the period.

However, daily extreme values of density can be estimated by use of the formula

$$\rho = 0.3486 \frac{(p-0.377e)}{T}$$

Where p = the pressure surface at which computation is made,
e = vapor pressure (mb.) computed from the maximum or minimum

temperature values from Section A, together with the monthly mean relative humidity (taken from [1]) in lieu of the actual relative humidity which is not readily available for each extreme, T = temperature in °K.

At heights above the 400-mb. surface, the moisture content of the air is small and the formula can, without serious loss of accuracy, be reduced to

$$\rho = 0.3486 \frac{p}{T}$$

To estimate the magnitude of error that can result from use of the monthly average humidity in the formula, computations were made using the July maximum temperature for the 950-mb. surface at Miami. This example was selected as an extreme case of effect of moisture on the density computation.

Densities computed for the Miami case, using relative humidities of 0 percent, 79 percent (the monthly average), and 100 percent, were as follows:

0	percent R. H.	1.1108 kg. m.$^{-3}$
79	" "	1.0998 " " "
100	" "	1.0963 " " "

Thus it can be seen that errors due to lack of observed daily humidity data are not large, and that even when zero percent humidity is used in place of 100 percent or vice versa, under the extreme conditions outlined above, the maximum difference is only .014 kg. m.$^{-3}$. This extreme error would be reduced by about one-half if the average monthly relative humidity were used. The average difference under normal conditions would be of the order of 0.1 percent of the total density.

Maximum monthly values of density at the 950-, 850-, 700-, 500-, and 300-mb. surfaces have occurred mostly over Barrow. The extreme at the 200-mb. level is usually over United Stations stations, and above that at San Juan and Swan Island.

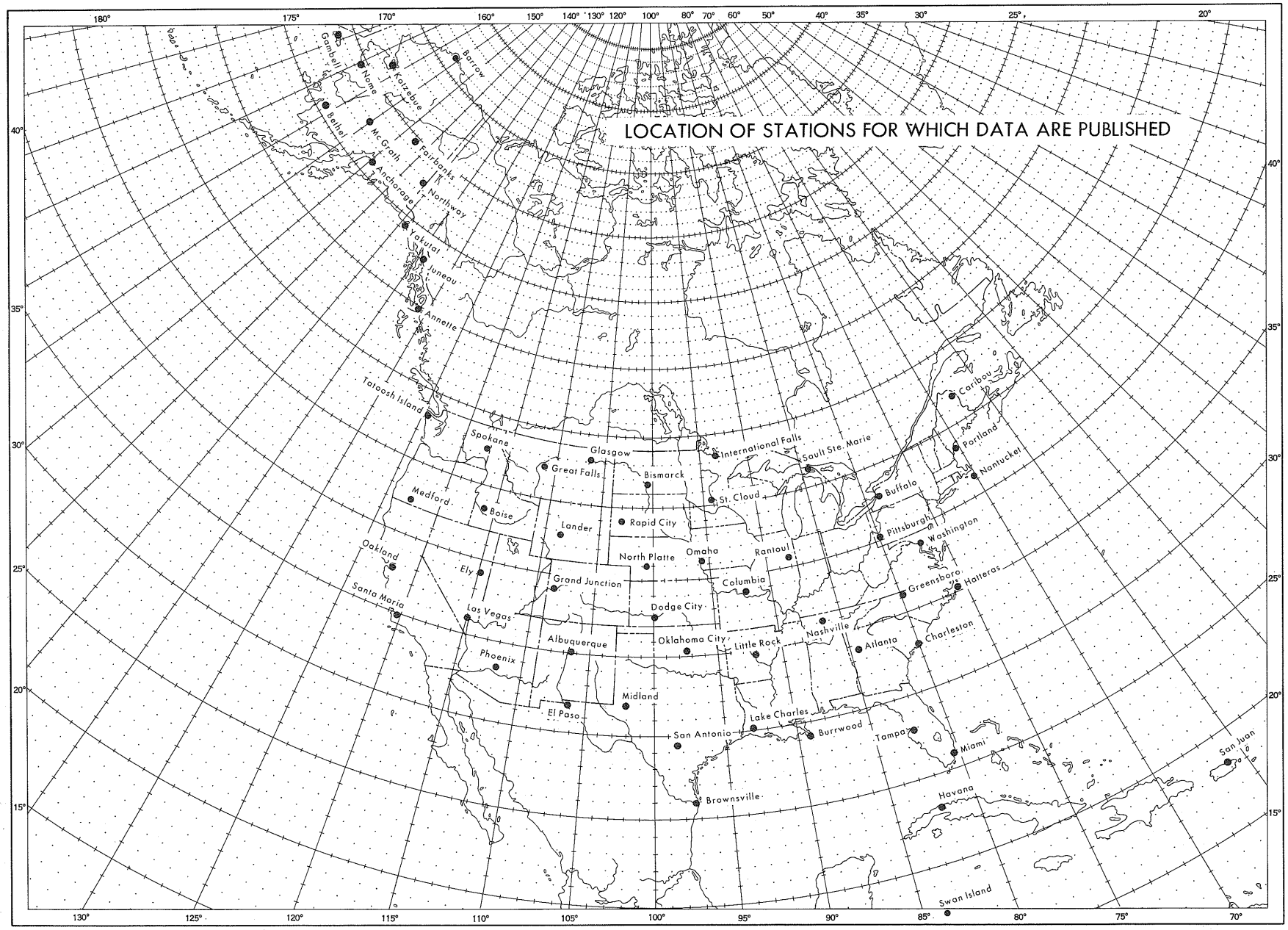
Minimum densities occur over lower latitudes in the troposphere and over extreme northern latitudes in the stratosphere.

ACKNOWLEDGMENTS

Grateful acknowledgment is made to the staff of the National Weather Records Center for processing and computing the enormous amount of data that were used to prepare this publication; to Messrs. Albert A. Karpovich and Joseph Barry for analysis of the numerous charts contained herein; to the Drafting Section of the Weather Bureau for drafting the charts; to Mr. J. Murray Mitchell, Jr., for statistical advice and assistance; to Mr. Milton L. Blanc for valuable editorial comments; and to Dr. Helmut Landsberg for constant guidance throughout the project.

REFERENCE

1. Benjamin Ratner, "Upper-Air Climatology of the United States. Part 1 - Averages for Isobaric Surfaces, Height, Temperature, Humidity and Density," Weather Bureau Technical Paper No. 32, June 1957, 199 pp.


LOCATION OF STATIONS FOR WHICH DATA ARE PUBLISHED
Gambell
Nome
Kotzebue
Barrow
Bethel
McGrath
Fairbanks
Anchorage
Northway
Yakutat
Juneau
Annette
Tatoosh Island
Spokane
Glasgow
Great Falls
Bismarck
International Falls
Sault Ste. Marie
Caribou
Portland
Nantucket
Buffalo
St. Cloud
Medford
Boise
Lander
Rapid City
Pittsburgh
Washington
Oakland
Ely
North Platte
Omaha
Rantoul
Grand Junction
Columbia
Greensboro
Hatteras
Santa Maria
Las Vegas
Dodge City
Albuquerque
Oklahoma City
Little Rock
Nashville
Atlanta
Charleston
Phoenix
Midland
El Paso
Lake Charles
San Antonio
Burrwood
Tampa
Miami
San Juan
Brownsville
Havana
Swan Island

Section A

Tables of Extremes and Standard Deviations of Height and Temperature at 950, 850, 700, 500, 300, 200, 150, and 100 mb.

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ALBUQUERQUE, NEW MEXICO, WBAS

ELEVATION 1619 METERS MSL — JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	720	740	680	650	650	580	640	600	640	690	710	710
	MIN	390	400	380	390	400	360	400	440	410	420	420	410
850	MAX	1619	1602	1585	1564	1583	1559	1581	1576	1583	1603	1628	1619
	MIN	1297	1350	1332	1337	1366	1360	1420	1447	1414	1393	1381	1325
700	MAX	3201	3192	3175	3204	3203	3228	3242	3250	3243	3232	3217	3202
	MIN	2821	2910	2879	2920	2954	3050	3118	3111	3071	3017	2923	2864
500	MAX	5892	5845	5828	5880	5915	5968	5986	5994	5988	5934	5894	5846
	MIN	5316	5375	5377	5473	5492	5709	5838	5813	5761	5611	5436	5393
300	MAX	9608	9534	9525	9581	9665	9773	9820	9792	9797	9703	9637	9542
	MIN	8795	8814	8841	8929	8991	9356	9603	9605	9477	9241	8942	8900
200	MAX	12254	12201	12159	12238	12336	12498	12578	12552	12534	12444	12296	12179
	MIN	11508	11522	11540	11595	11735	11993	12277	12306	12153	11869	11626	11583
150	MAX	14051	14006	13941	14027	14127	14298	14381	14372	14311	14244	14070	13948
	MIN	13383	13388	13435	13481	13638	13835	14061	14061	13974	13690	13507	13475
100	MAX	16469	16430	16484	16495	16602	16714	16829	16779	16772	16638	16488	16408
	MIN	15956	15977	15973	16110	16206	16363	16511	16545	16446	16240	16094	16034

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	60	57	54	48	44	38	35	29	38	46	56	60
850	54	52	49	44	36	31	28	23	33	40	53	54
700	60	58	56	51	41	35	24	22	32	44	62	59
500	99	95	86	77	69	53	28	28	40	63	100	94
300	148	139	129	115	111	81	42	38	57	93	143	142
200	145	130	120	114	116	101	56	53	72	109	136	139
150	120	112	102	98	101	98	58	56	70	103	120	114
100	92	83	87	74	80	76	50	46	65	84	88	85

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
700	MAX	7	6	9	12	19	20	20	17	19	12	9	7
	MIN	20-	20-	14-	9-	6-	2	6	7	3	5-	13-	16-
500	MAX	9-	10-	12-	10-	6-	4-	3-	3-	2-	4-	6-	7-
	MIN	35-	35-	34-	28-	26-	16-	10-	11-	15-	22-	29-	34-
300	MAX	33-	36-	37-	34-	35-	30-	28-	27-	29-	30-	27-	36-
	MIN	54-	54-	52-	52-	52-	45-	41-	37-	41-	47-	49-	54-
200	MAX	43-	43-	42-	44-	43-	47-	48-	48-	48-	46-	43-	43-
	MIN	67-	68-	67-	66-	64-	61-	59-	60-	60-	62-	66-	66-
150	MAX	47-	48-	45-	50-	45-	53-	55-	58-	57-	54-	49-	46-
	MIN	74-	68-	68-	72-	72-	70-	71-	71-	68-	71-	72-	76-
100	MAX	52-	53-	52-	53-	55-	58-	61-	62-	62-	59-	52-	54-
	MIN	74-	72-	73-	70-	77-	76-	78-	75-	75-	76-	78-	77-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
700	5.1	5.1	4.9	4.4	4.5	3.4	2.6	2.2	2.8	3.7	5.2	4.9
500	4.9	4.4	3.9	3.3	3.5	2.2	1.3	1.4	2.1	3.1	4.5	4.7
300	3.5	2.8	3.1	2.8	2.8	2.7	1.9	1.8	2.3	2.9	3.1	3.3
200	5.6	5.8	5.6	4.7	4.0	2.2	1.8	1.7	2.2	2.7	4.5	5.2
150	4.7	3.9	3.7	3.9	4.3	3.4	2.2	2.0	2.1	2.8	4.4	5.1
100	4.4	4.2	3.7	3.4	4.1	3.4	2.9	2.5	2.5	3.5	4.4	4.3

ANCHORAGE, ALASKA, WBAS

ELEVATION 30 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	730	790	730	710	690	700	680	690	710	670	710	740
	MIN	80	200	240	200	320	330	410	310	280	190	170	140
850	MAX	1589	1653	1614	1623	1575	1612	1596	1599	1622	1559	1580	1612
	MIN	924	1080	1093	1073	1214	1256	1345	1241	1158	1073	1054	995
700	MAX	3143	3167	3162	3201	3120	3218	3203	3173	3189	3137	3121	3142
	MIN	2397	2554	2563	2583	2720	2796	2895	2791	2665	2594	2563	2478
500	MAX	5711	5706	5729	5792	5775	5893	5865	5845	5818	5791	5673	5691
	MIN	4824	4959	4975	5053	5111	5303	5444	5334	5156	5063	4961	4913
300	MAX	9239	9340	9289	9383	9469	9618	9623	9600	9529	9474	9289	9285
	MIN	8217	8308	8357	8436	8475	8800	8972	8840	8628	8453	8373	8233
200	MAX	11785	11737	11829	11943	12071	12285	12317	12310	12226	12102	11864	11824
	MIN	10872	10953	11042	11054	11177	11469	11656	11546	11301	11040	11061	10770
150	MAX	13543	13458	13601	13724	13866	14045	14111	14132	14108	13848	13628	13584
	MIN	12776	12802	12906	12907	13127	13390	13584	13466	13221	12897	12946	12578
100	MAX	16124	16134	16196	16309	16422	16624	16646	16707	16708	16363	16185	16172
	MIN	15432	15450	15539	15505	15884	16101	16281	16140	15919	15581	15640	15351

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	119	100	93	96	64	61	49	58	82	101	104	110
850	123	104	95	97	66	64	52	61	84	102	102	111
700	137	116	105	106	76	76	62	71	91	105	103	116
500	175	154	144	139	109	103	84	100	118	128	127	144
300	227	198	192	191	160	146	124	155	179	181	169	191
200	195	160	158	159	139	129	118	155	182	172	142	175
150	172	141	142	140	117	104	95	126	158	158	122	157
100	159	152	147	127	99	88	76	103	135	136	109	142

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	5	9	4	11	15	23	22	19	14	14	8	4
	MIN	25-	28-	20-	10-	6-	3	6	6	1-	11-	23-	25-
850	MAX	4	5	4	8	10	17	17	14	10	9	3	1
	MIN	30-	29-	28-	18-	12-	3-	0	1-	6-	16-	28-	28-
700	MAX	2-	3-	3-	0-	3	7	6	6	4	7	2-	6-
	MIN	33-	32-	29-	25-	23-	15-	9-	11-	15-	23-	30-	33-
500	MAX	16-	16-	18-	17-	11-	10-	9-	7-	10-	13-	14-	19-
	MIN	46-	44-	42-	42-	42-	31-	26-	27-	31-	38-	42-	44-
300	MAX	40-	42-	42-	40-	40-	37-	35-	33-	33-	40-	41-	39-
	MIN	63-	61-	60-	59-	58-	55-	53-	54-	58-	61-	61-	65-
200	MAX	39-	37-	41-	38-	41-	40-	40-	40-	39-	41-	40-	39-
	MIN	71-	70-	68-	71-	63-	65-	64-	63-	64-	68-	68-	71-
150	MAX	39-	40-	38-	39-	41-	42-	41-	40-	43-	44-	44-	36-
	MIN	65-	61-	59-	63-	56-	66-	61-	61-	66-	65-	62-	74-
100	MAX	37-	39-	41-	42-	42-	42-	40-	39-	42-	45-	44-	39-
	MIN	66-	58-	60-	59-	56-	57-	57-	59-	61-	60-	60-	72-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	6.9	6.8	5.0	3.7	3.4	3.6	3.3	2.5	2.5	3.8	5.6	6.2
850	6.1	5.7	4.9	3.9	3.5	3.7	3.5	2.7	2.9	3.6	4.9	5.4
700	5.8	5.3	5.0	4.3	4.1	3.8	3.1	3.4	3.5	3.8	4.4	4.7
500	5.8	5.5	5.5	5.2	4.7	3.9	3.2	4.2	4.6	4.6	5.0	5.4
300	4.1	3.8	3.7	3.4	3.7	3.4	3.4	4.4	4.8	3.8	3.6	4.3
200	6.9	6.4	5.3	5.9	4.6	5.8	5.4	5.6	4.9	4.7	4.9	5.8
150	5.3	4.7	3.8	4.1	2.6	3.4	3.5	4.2	3.8	3.6	3.4	5.4
100	4.8	4.1	3.7	3.6	2.1	2.4	2.7	3.0	3.0	3.2	3.2	5.5

ANNETTE ISLAND, ALASKA, WBO

ELEVATION 37 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	730	710	700	710	680	690	690	690	710	710	730	700
	MIN	200	280	280	330	390	400	450	410	310	240	130	190
850	MAX	1616	1600	1566	1581	1586	1585	1609	1605	1645	1609	1628	1579
	MIN	1084	1121	1160	1214	1276	1303	1348	1330	1220	1138	1028	1064
700	MAX	3161	3135	3087	3132	3152	3188	3211	3203	3258	3165	3194	3116
	MIN	2522	2567	2660	2739	2790	2851	2897	2878	2759	2655	2553	2579
500	MAX	5759	5708	5662	5711	5776	5841	5913	5891	5940	5804	5768	5711
	MIN	4847	4909	5052	5195	5259	5381	5440	5432	5262	5119	5057	5002
300	MAX	9391	9296	9232	9314	9425	9558	9678	9659	9679	9505	9453	9361
	MIN	8327	8311	8390	8593	8694	8870	8961	8952	8686	8538	8477	8361
200	MAX	11985	11872	11793	11908	12035	12223	12343	12348	12267	12190	12088	11984
	MIN	10953	10955	11050	11207	11386	11529	11686	11654	11358	11180	11111	11021
150	MAX	13797	13602	13583	13694	13883	13979	14120	14136	14047	13995	13840	13745
	MIN	12787	12863	12946	13088	13281	13461	13594	13570	13253	13059	13027	12847
100	MAX	16377	16168	16162	16222	16525	16597	16666	16688	16561	16480	16310	16319
	MIN	15354	15583	15574	15729	15940	16093	16270	16259	15904	15755	15729	15341

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	105	94	81	67	53	50	42	43	69	89	95	97
850	105	98	83	68	54	51	45	46	73	90	95	98
700	117	110	93	74	66	61	57	57	88	97	106	106
500	162	150	131	107	103	88	89	84	130	131	145	141
300	219	200	186	161	159	136	140	133	200	200	211	200
200	193	169	156	128	142	127	126	130	199	198	191	189
150	169	146	131	105	115	101	98	102	170	166	150	176
100	156	139	123	92	95	86	74	83	131	132	126	176

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	6	8	10	13	27	24	24	24	21	13	11	7
	MIN	23-	16-	16-	4-	0	3	5	7	4	1-	13-	15-
850	MAX	7	8	5	8	18	18	17	18	17	10	8	5
	MIN	27-	19-	23-	13-	7-	5-	1-	0	2-	7-	18-	21-
700	MAX	1-	0-	1-	0-	5	7	8	10	7	3	2	1-
	MIN	35-	29-	31-	23-	17-	13-	11-	9-	12-	17-	26-	28-
500	MAX	16-	17-	17-	17-	13-	10-	7-	6-	9-	10-	12-	16-
	MIN	45-	45-	43-	40-	35-	31-	28-	25-	32-	37-	42-	41-
300	MAX	39-	43-	41-	41-	40-	37-	33-	31-	36-	39-	38-	39-
	MIN	62-	61-	60-	58-	58-	54-	52-	51-	56-	61-	58-	63-
200	MAX	39-	40-	37-	37-	42-	39-	40-	41-	43-	45-	39-	40-
	MIN	68-	71-	69-	70-	66-	64-	64-	64-	64-	68-	69-	70-
150	MAX	42-	40-	42-	42-	44-	41-	40-	43-	44-	45-	43-	42-
	MIN	66-	63-	64-	63-	60-	60-	61-	66-	65-	73-	66-	73-
100	MAX	44-	43-	46-	44-	45-	40-	43-	45-	46-	44-	44-	42-
	MIN	61-	63-	64-	59-	60-	56-	58-	59-	61-	64-	62-	66-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	5.3	4.0	3.4	2.7	4.1	4.3	3.4	3.4	3.5	2.8	4.3	4.3
850	5.6	4.2	4.1	3.2	4.4	4.4	3.7	3.6	4.4	3.3	4.5	4.2
700	5.7	5.0	4.8	4.3	4.7	4.0	3.6	3.5	4.9	4.1	5.1	4.5
500	6.3	5.9	5.5	5.5	4.8	3.8	4.1	3.8	5.4	5.6	5.9	5.5
300	3.8	3.2	3.3	3.2	3.6	3.5	3.4	3.5	4.2	4.6	3.9	4.1
200	5.9	7.2	6.6	6.0	5.7	5.5	5.4	5.6	5.5	5.7	6.0	6.1
150	3.7	5.0	4.3	3.8	3.4	3.2	3.5	4.2	4.4	5.0	4.3	4.7
100	3.4	4.6	3.4	3.1	2.6	2.4	2.9	3.0	3.4	3.8	4.1	5.0

ATLANTA, GEORGIA, WBAS

ELEVATION 303 METERS MSL

JAN1946 AUG1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	700	720	700	680	700	675	685	690	690	700	710	710
	MIN	410	470	450	450	490	490	550	510	470	455	480	440
850	MAX	1645	1634	1594	1618	1644	1627	1642	1655	1631	1627	1623	1620
	MIN	1323	1368	1369	1378	1434	1434	1505	1477	1436	1391	1377	1370
700	MAX	3254	3217	3198	3227	3239	3258	3274	3293	3276	3242	3206	3217
	MIN	2867	2829	2843	2954	3009	3034	3114	3115	3043	2954	2871	2889
500	MAX	5932	5899	5893	5895	5938	5974	5981	6008	5978	5971	5893	5887
	MIN	5347	5317	5332	5494	5576	5667	5737	5788	5730	5504	5351	5364
300	MAX	9649	9630	9609	9632	9697	9770	9808	9813	9780	9745	9643	9622
	MIN	8880	8831	8868	9072	9151	9370	9399	9549	9426	9071	8873	8832
200	MAX	12318	12306	12275	12316	12400	12508	12550	12572	12528	12477	12372	12292
	MIN	11550	11491	11497	11729	11822	12014	12084	12237	12122	11773	11653	11548
150	MAX	14094	14116	14094	14100	14221	14304	14362	14376	14337	14303	14198	14101
	MIN	13436	13373	13354	13569	13691	13849	13941	14036	13923	13616	13519	13436
100	MAX	16519	16563	16588	16484	16653	16719	16794	16781	16753	16726	16570	16573
	MIN	15973	15980	15929	16153	16244	16401	16494	16474	16410	16154	16081	16066

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	49	53	42	46	32	28	25	25	32	39	47	46
850	53	54	44	49	36	30	26	27	32	40	50	49
700	70	69	59	61	45	38	30	30	35	48	65	64
500	103	95	89	82	61	49	37	35	42	65	94	94
300	148	134	131	111	87	74	59	49	63	96	134	138
200	152	138	138	117	102	93	75	63	77	111	136	139
150	134	124	127	101	98	92	72	63	77	103	122	121
100	110	99	107	76	77	69	52	48	66	82	85	96

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	20	20	22	25	27	31	33	31	29	28	22	19
	MIN	15-	11-	7-	1	9	13	17	14	10	2	10-	9-
850	MAX	15	13	19	19	20	23	24	23	21	23	16	17
	MIN	15-	16-	15-	5-	1	5	12	12	5	3-	15-	12-
700	MAX	9	10	10	11	12	13	11	12	12	12	8	9
	MIN	18-	20-	15-	12-	5-	0	0-	2	1-	7-	16-	16-
500	MAX	8-	9-	6-	8-	6-	3-	2-	1-	3-	4-	5-	7-
	MIN	30-	28-	28-	24-	20-	14-	15-	10-	14-	22-	33-	34-
300	MAX	33-	36-	34-	35-	34-	30-	28-	28-	28-	28-	31-	33-
	MIN	54-	53-	51-	49-	47-	45-	43-	39-	41-	47-	49-	53-
200	MAX	40-	45-	43-	46-	48-	50-	48-	49-	46-	44-	41-	42-
	MIN	67-	67-	65-	66-	66-	61-	59-	59-	60-	61-	66-	64-
150	MAX	49-	51-	51-	51-	52-	55-	53-	58-	56-	53-	48-	49-
	MIN	74-	73-	72-	70-	72-	72-	71-	70-	71-	71-	74-	73-
100	MAX	56-	57-	57-	56-	57-	58-	59-	60-	61-	58-	54-	54-
	MIN	77-	75-	73-	72-	73-	76-	75-	74-	75-	77-	73-	74-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	6.5	6.2	6.3	4.7	3.7	3.1	2.5	2.6	3.6	4.2	5.8	5.7
850	5.0	5.4	5.8	4.4	3.2	2.6	2.1	2.0	2.6	3.6	5.2	5.2
700	4.5	4.1	4.4	3.4	2.6	2.2	1.8	1.6	1.9	3.0	4.2	4.2
500	4.0	3.5	3.6	2.6	2.2	1.9	1.7	1.6	2.0	3.2	4.0	4.2
300	3.3	3.0	3.2	2.6	2.5	2.5	2.2	1.9	2.6	3.2	3.4	3.3
200	5.0	4.8	4.6	3.9	2.6	2.1	1.7	1.6	2.4	2.7	3.9	4.4
150	4.7	3.3	3.4	3.9	3.8	3.2	2.7	2.5	2.7	3.2	4.0	4.5
100	4.2	3.6	3.2	3.2	3.1	3.6	3.1	2.5	2.8	4.2	3.9	4.3

BARROW, ALASKA, WBO

ELEVATION 8 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	760	720	780	780	710	660	660	640	700	710	690	760
	MIN	280	240	290	340	390	390	370	300	370	250	300	230
850	MAX	1600	1566	1612	1628	1583	1566	1558	1525	1577	1585	1541	1593
	MIN	1101	1079	1133	1177	1270	1291	1249	1185	1253	1104	1106	1066
700	MAX	3074	3042	3126	3120	3124	3130	3131	3092	3096	3127	3012	3040
	MIN	2468	2461	2535	2581	2731	2799	2807	2711	2729	2545	2524	2482
500	MAX	5612	5569	5678	5645	5742	5729	5776	5721	5630	5707	5546	5510
	MIN	4748	4738	4836	4936	5166	5273	5321	5217	5130	4916	4901	4836
300	MAX	9184	9130	9255	9201	9380	9444	9458	9442	9198	9300	9101	9039
	MIN	8099	8038	8206	8275	8574	8736	8782	8735	8548	8316	8264	8132
200	MAX	11723	11634	11825	11764	11975	12109	12099	12149	11812	11885	11623	11658
	MIN	10726	10658	10841	10876	11169	11466	11518	11433	11217	10942	10870	10675
150	MAX	13432	13441	13609	13622	13828	13939	13982	13911	13683	13666	13416	13481
	MIN	12554	12495	12696	12754	13026	13371	13472	13370	13100	12808	12727	12485
100	MAX	16065	16060	16230	16244	16485	16577	16671	16554	16350	16159	15999	15942
	MIN	15118	15097	15255	15354	15679	16044	16213	16077	15747	15434	15431	15029

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	93	86	88	80	57	53	50	62	57	77	76	82
850	101	92	95	85	59	57	55	66	57	80	77	84
700	121	107	108	95	71	67	67	78	63	91	83	92
500	165	144	143	123	99	93	91	104	85	123	113	116
300	214	182	189	164	139	133	130	150	120	173	156	147
200	200	169	168	153	125	112	109	133	114	168	139	140
150	196	179	167	151	120	99	86	111	112	155	131	138
100	218	187	190	154	112	94	74	101	115	147	120	152

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	3	4-	2	2	7	16	21	18	12	7	3	4-
	MIN	40-	42-	38-	28-	18-	10-	4-	7-	13-	23-	29-	34-
850	MAX	3	4-	2	0	6	11	15	12	4	5	2	4-
	MIN	40-	39-	32-	29-	19-	12-	6-	9-	14-	22-	30-	34-
700	MAX	3-	9-	3-	5-	0	1	3	3	2-	1-	4-	9-
	MIN	39-	40-	36-	33-	24-	18-	12-	16-	22-	27-	35-	38-
500	MAX	19-	18-	21-	19-	16-	11-	10-	9-	19-	18-	19-	22-
	MIN	49-	50-	49-	44-	40-	33-	28-	31-	37-	42-	46-	47-
300	MAX	43-	41-	41-	42-	40-	37-	36-	35-	42-	44-	44-	45-
	MIN	64-	66-	64-	62-	57-	55-	53-	54-	58-	63-	63-	64-
200	MAX	42-	39-	39-	38-	37-	37-	38-	35-	41-	43-	40-	43-
	MIN	71-	71-	69-	64-	58-	61-	62-	62-	62-	71-	65-	70-
150	MAX	39-	38-	39-	38-	39-	37-	39-	36-	42-	42-	38-	45-
	MIN	64-	67-	63-	57-	51-	53-	54-	55-	56-	67-	61-	70-
100	MAX	40-	36-	37-	39-	39-	37-	39-	38-	42-	44-	41-	41-
	MIN	66-	68-	63-	56-	51-	51-	50-	51-	52-	64-	60-	70-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	8.7	7.1	7.2	6.4	5.4	4.8	5.4	5.4	4.3	5.2	6.7	5.7
850	7.9	6.8	6.4	5.5	5.0	4.2	4.4	4.5	4.1	4.9	6.1	5.9
700	6.5	5.8	5.4	4.6	4.2	3.5	3.3	4.0	3.9	4.9	5.8	5.0
500	5.6	5.1	5.2	4.7	4.0	3.6	3.4	4.1	3.6	4.7	5.0	4.4
300	3.8	4.4	3.7	3.6	3.5	3.2	3.1	3.7	2.7	3.7	3.4	3.7
200	6.2	7.3	5.1	4.3	3.2	4.0	5.6	4.9	3.6	5.2	3.7	5.4
150	5.5	6.3	4.6	3.6	2.3	2.6	2.8	3.0	2.3	3.8	3.3	5.0
100	5.9	5.4	5.1	3.6	2.3	2.5	2.2	2.2	2.0	3.6	3.7	5.9

BETHEL, ALASKA, WBAS

ELEVATION 4 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	740	770	700	760	690	720	680	670	710	720	720	750
	MIN	180	220	210	160	310	360	400	280	290	150	70	200
850	MAX	1627	1634	1586	1644	1560	1661	1603	1586	1615	1585	1589	1639
	MIN	1042	1074	1067	1040	1194	1262	1312	1177	1180	1038	969	1058
700	MAX	3178	3090	3123	3191	3111	3262	3201	3193	3189	3139	3155	3166
	MIN	2458	2510	2539	2543	2675	2776	2860	2720	2689	2543	2461	2498
500	MAX	5736	5637	5685	5795	5755	5923	5855	5861	5823	5773	5759	5689
	MIN	4838	4882	4971	5028	4998	5251	5401	5295	5184	4998	4887	4899
300	MAX	9352	9178	9245	9407	9456	9648	9557	9617	9561	9443	9393	9314
	MIN	8214	8304	8368	8423	8417	8700	8905	8814	8652	8371	8329	8177
200	MAX	11933	11717	11821	11972	12091	12304	12205	12305	12231	12051	11998	11908
	MIN	10802	10956	10983	11132	11130	11413	11636	11528	11360	11008	10999	10753
150	MAX	13728	13506	13615	13726	13903	14064	14032	14099	14054	13822	13780	13625
	MIN	12633	12811	12852	12988	13072	13347	13565	13436	13256	12895	12878	12637
100	MAX	16285	16129	16219	16312	16496	16599	16640	16701	16552	16362	16289	16227
	MIN	15277	15442	15456	15618	15820	16050	16212	16128	15922	15575	15574	15247

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	126	106	100	112	71	66	53	65	81	96	115	114
850	135	108	102	113	74	69	58	68	82	97	114	117
700	155	119	113	126	84	82	68	77	87	103	116	128
500	202	154	147	161	113	114	89	104	111	130	139	165
300	253	195	190	210	160	161	128	158	165	182	184	226
200	227	163	161	178	143	146	115	151	165	174	166	217
150	205	154	147	150	129	120	91	123	146	158	150	187
100	186	171	141	138	114	99	78	100	121	146	131	179

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	6	7	5	7	15	19	23	19	14	18	8	3
	MIN	35-	31-	31-	22-	19-	0	3	2	2-	18-	22-	30-
850	MAX	5	5	3	5	7	17	14	14	11	14	4	5
	MIN	34-	28-	33-	24-	23-	5-	2-	4-	9-	20-	21-	32-
700	MAX	0-	2-	1-	0-	2	6	5	6	3	4	1-	3-
	MIN	33-	32-	30-	26-	31-	16-	9-	14-	18-	25-	28-	31-
500	MAX	17-	20-	17-	16-	14-	10-	6-	8-	10-	13-	15-	17-
	MIN	46-	47-	42-	41-	41-	32-	27-	31-	33-	44-	41-	48-
300	MAX	40-	38-	39-	41-	39-	37-	34-	32-	33-	39-	41-	38-
	MIN	62-	64-	60-	61-	56-	56-	51-	52-	56-	60-	61-	62-
200	MAX	40-	37-	37-	40-	37-	39-	39-	37-	40-	40-	41-	39-
	MIN	69-	71-	68-	70-	62-	63-	63-	62-	63-	69-	67-	71-
150	MAX	38-	39-	37-	41-	39-	42-	40-	41-	40-	41-	41-	41-
	MIN	61-	64-	61-	63-	58-	64-	58-	61-	64-	61-	60-	76-
100	MAX	40-	38-	36-	41-	41-	41-	43-	42-	42-	44-	43-	39-
	MIN	62-	60-	61-	59-	56-	57-	54-	57-	60-	60-	63-	68-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	10.2	9.2	7.9	5.9	5.3	4.0	3.8	2.9	3.3	4.8	5.7	8.1
850	7.9	6.8	6.2	4.9	4.1	3.6	3.2	3.3	3.4	4.5	4.8	6.4
700	6.8	5.6	5.3	5.0	4.0	3.9	3.2	3.7	3.6	4.5	4.4	5.3
500	6.2	5.2	5.3	5.2	4.6	4.2	3.5	4.4	4.4	5.1	5.0	6.0
300	3.8	3.7	3.7	3.6	3.5	3.5	3.3	3.8	4.2	4.1	3.5	4.3
200	6.8	6.3	5.5	6.0	4.2	5.5	5.8	5.9	4.6	4.6	5.2	5.9
150	4.8	4.7	4.1	3.9	2.7	3.6	3.3	3.9	3.7	3.4	3.6	5.1
100	4.7	4.4	4.1	3.8	2.5	2.8	2.4	3.0	3.1	2.9	3.4	4.8

BISMARCK, NORTH DAKOTA, WBO

ELEVATION 505 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	750	720	790	690	670	640	640	660	700	700	740	730
	MIN	320	380	370	320	390	370	410	410	400	380	340	360
850	MAX	1583	1547	1626	1585	1582	1576	1579	1601	1597	1581	1593	1569
	MIN	1173	1276	1270	1237	1266	1329	1393	1407	1330	1300	1240	1237
700	MAX	3063	3102	3098	3134	3164	3223	3212	3239	3210	3178	3158	3099
	MIN	2667	2756	2769	2826	2789	2922	3006	3020	2901	2852	2768	2727
500	MAX	5627	5719	5675	5769	5849	5918	5956	5949	5913	5835	5806	5735
	MIN	5081	5128	5188	5296	5373	5496	5638	5652	5401	5362	5212	5161
300	MAX	9220	9369	9270	9401	9601	9654	9756	9725	9665	9537	9447	9366
	MIN	8491	8528	8560	8696	8907	9046	9242	9294	8970	8832	8637	8558
200	MAX	11800	11956	11870	12010	12278	12350	12497	12456	12365	12196	12085	11971
	MIN	11050	11151	11243	11264	11546	11723	11895	11906	11661	11466	11238	11170
150	MAX	13674	13777	13687	13829	14046	14168	14317	14256	14190	13999	13883	13798
	MIN	12877	13037	13108	13134	13424	13601	13782	13746	13539	13323	13091	13020
100	MAX	16229	16303	16248	16385	16563	16646	16784	16731	16766	16478	16328	16296
	MIN	15423	15634	15701	15769	16046	16226	16444	16401	16165	15941	15696	15566

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	73	65	70	61	58	51	44	44	55	64	71	72
850	61	54	56	52	54	45	39	35	48	54	64	65
700	64	64	59	59	61	48	41	34	58	62	77	72
500	102	108	97	97	92	72	63	52	93	100	124	110
300	152	165	149	154	138	111	101	87	142	152	188	161
200	139	150	124	149	135	124	122	108	147	156	180	145
150	128	132	109	126	112	109	107	91	124	140	153	134
100	118	120	99	101	91	82	68	64	97	114	120	134

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	1	6	13	21	27	28	30	30	26	19	14	3
	MIN	31-	26-	26-	14-	3-	2	11	11	0	5-	21-	28-
850	MAX	12	9	15	22	25	26	29	31	30	25	15	12
	MIN	32-	32-	27-	17-	9-	0-	7	3	5-	11-	24-	26-
700	MAX	1	2	3	7	11	13	15	16	14	11	6	4
	MIN	31-	30-	31-	22-	21-	9-	4-	4-	14-	18-	25-	31-
500	MAX	16-	15-	16-	12-	8-	6-	3-	4-	5-	8-	12-	11-
	MIN	43-	41-	45-	36-	34-	24-	19-	18-	27-	36-	39-	44-
300	MAX	41-	41-	43-	41-	36-	32-	29-	29-	33-	34-	35-	40-
	MIN	61-	60-	58-	58-	54-	52-	46-	44-	51-	56-	56-	59-
200	MAX	42-	42-	41-	44-	41-	40-	43-	44-	41-	42-	38-	42-
	MIN	71-	69-	68-	67-	65-	67-	62-	60-	63-	67-	69-	68-
150	MAX	43-	43-	44-	46-	45-	46-	48-	49-	45-	46-	41-	45-
	MIN	67-	68-	62-	61-	67-	67-	69-	67-	68-	66-	68-	77-
100	MAX	48-	45-	47-	48-	47-	50-	49-	51-	51-	50-	47-	46-
	MIN	67-	66-	62-	63-	65-	69-	68-	66-	66-	69-	68-	65-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	8.1	7.8	7.3	6.2	5.5	4.5	3.5	3.5	5.3	5.3	7.4	7.2
850	9.0	8.2	7.9	7.6	6.5	5.1	4.5	4.9	6.8	7.5	8.2	7.8
700	6.3	6.2	6.2	6.1	5.5	4.5	4.1	4.0	5.6	6.0	6.7	6.3
500	5.5	5.6	5.2	5.0	4.2	3.3	2.9	2.5	4.1	4.9	6.1	5.5
300	3.4	3.2	2.9	3.4	3.4	3.2	3.3	3.1	3.3	3.5	3.8	3.3
200	5.9	6.0	5.6	5.6	5.5	4.3	3.4	2.8	4.3	4.8	5.7	5.6
150	4.0	4.2	3.7	3.6	4.0	4.1	4.2	3.6	4.2	4.0	4.5	4.4
100	3.2	3.8	3.2	3.0	3.0	3.2	3.4	3.1	3.3	3.8	4.1	3.7

BOISE, IDAHO, WBAS

ELEVATION 868 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	800	750	750	690	670	620	620	600	650	700	730	780
	MIN	410	400	350	390	410	330	360	390	420	340	380	370
850	MAX	1651	1645	1641	1626	1606	1558	1577	1566	1594	1615	1626	1654
	MIN	1297	1317	1263	1312	1351	1329	1351	1356	1389	1291	1312	1272
700	MAX	3197	3249	3160	3221	3214	3219	3230	3232	3227	3213	3217	3227
	MIN	2771	2815	2809	2871	2892	2936	3012	2997	2959	2913	2834	2791
500	MAX	5814	5910	5749	5844	5895	5934	5963	5977	5950	5909	5894	5865
	MIN	5162	5215	5308	5352	5398	5541	5617	5635	5468	5423	5209	5226
300	MAX	9447	9563	9347	9470	9586	9714	9785	9764	9736	9648	9580	9519
	MIN	8543	8622	8722	8770	8856	9027	9240	9270	8964	8920	8662	8650
200	MAX	12056	12163	11947	12097	12266	12412	12546	12514	12437	12336	12244	12150
	MIN	11201	11257	11359	11421	11558	11735	11907	11969	11687	11518	11379	11334
150	MAX	13852	14013	13734	13905	14056	14192	14359	14287	14261	14128	14035	13977
	MIN	13092	13144	13246	13317	13464	13657	13789	13863	13589	13345	13256	13209
100	MAX	16353	16525	16306	16443	16528	16647	16810	16824	16717	16561	16491	16488
	MIN	15744	15821	15857	15938	16133	16290	16409	16446	16294	16057	15855	15843

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	76	61	63	53	47	39	35	33	41	53	62	75
850	71	59	61	52	44	36	32	30	38	49	62	71
700	84	74	67	64	55	47	39	36	53	63	79	80
500	132	122	101	101	92	78	61	56	89	103	129	123
300	188	183	149	155	145	126	93	87	133	154	196	180
200	172	168	135	148	138	130	112	100	138	160	199	175
150	148	146	112	119	109	107	100	85	125	140	174	154
100	113	121	91	92	83	80	69	59	94	104	128	128

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	MAX	13	12	15	25	27	30	32	32	30	23	16	10
	MIN	18-	14-	10-	2-	0-	4	9	10	3	1-	17-	11-
700	MAX	2	5	2	9	12	15	16	17	15	10	8	4
	MIN	25-	22-	19-	15-	11-	7-	3-	2-	8-	11-	26-	19-
500	MAX	14-	13-	15-	11-	8-	5-	3-	4-	4-	7-	9-	11-
	MIN	40-	41-	38-	35-	32-	25-	20-	19-	28-	29-	38-	38-
300	MAX	37-	42-	41-	38-	36-	34-	30-	29-	34-	33-	32-	36-
	MIN	59-	58-	58-	57-	53-	50-	44-	48-	47-	54-	56-	59-
200	MAX	42-	42-	42-	39-	40-	43-	44-	43-	44-	44-	43-	42-
	MIN	70-	71-	69-	67-	66-	65-	60-	61-	64-	65-	67-	68-
150	MAX	46-	45-	44-	47-	45-	46-	46-	47-	47-	48-	48-	44-
	MIN	69-	69-	70-	71-	69-	68-	67-	66-	67-	70-	72-	74-
100	MAX	48-	47-	49-	50-	49-	50-	52-	51-	52-	52-	49-	46-
	MIN	69-	68-	64-	64-	69-	65-	67-	66-	68-	70-	73-	67-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	5.8	5.0	4.8	5.6	5.9	5.4	4.4	4.2	5.9	5.8	5.7	4.5
700	5.7	5.5	4.6	5.2	5.2	4.7	3.8	3.5	5.1	5.3	5.9	5.2
500	5.9	5.6	4.6	4.6	4.6	3.8	2.6	2.6	3.9	4.5	5.7	5.4
300	3.4	3.1	3.1	3.2	3.2	3.3	2.8	2.8	2.8	3.3	4.0	3.7
200	6.6	6.9	6.1	5.9	5.8	4.6	3.0	3.2	3.8	4.5	5.1	5.9
150	4.2	4.4	4.2	4.2	4.5	4.5	4.0	3.5	4.0	4.2	5.1	4.5
100	4.0	4.6	3.6	3.1	3.1	3.4	3.1	2.9	3.4	3.9	4.6	3.9

BROWNSVILLE, TEXAS, WBAS

ELEVATION 7 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	710	710	690	680	620	630	620	620	630	670	700	700
	MIN	460	465	420	430	460	500	520	485	495	500	460	490
850	MAX	1619	1617	1596	1600	1569	1581	1583	1580	1583	1612	1608	1623
	MIN	1410	1412	1395	1387	1446	1458	1494	1446	1458	1465	1437	1413
700	MAX	3226	3216	3206	3212	3212	3220	3230	3228	3228	3230	3217	3237
	MIN	3026	3034	3037	3044	3087	3111	3144	3096	3103	3101	3071	2986
500	MAX	5919	5900	5915	5918	5926	5945	5955	5950	5950	5941	5924	5935
	MIN	5572	5647	5683	5662	5767	5819	5858	5819	5790	5776	5703	5614
300	MAX	9708	9650	9694	9704	9714	9793	9777	9780	9818	9773	9735	9694
	MIN	9162	9280	9311	9281	9448	9585	9604	9577	9584	9477	9379	9302
200	MAX	12407	12362	12388	12429	12439	12530	12531	12552	12619	12545	12489	12390
	MIN	11856	11984	11943	11979	12081	12288	12282	12263	12316	12196	12086	12002
150	MAX	14193	14152	14193	14234	14236	14351	14370	14378	14462	14383	14293	14178
	MIN	13687	13775	13753	13765	13863	14072	14060	14071	14092	13978	13906	13772
100	MAX	16603	16573	16663	16665	16732	16735	16861	16852	16798	16811	16682	16603
	MIN	16190	16250	16249	16305	16324	16457	16470	16472	16481	16398	16319	16258

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	45	45	47	42	31	23	18	20	24	32	45	44
850	37	37	37	36	25	21	17	18	21	26	35	36
700	35	33	33	31	20	19	16	19	21	23	28	32
500	50	47	46	41	28	22	17	23	24	31	35	43
300	78	67	67	58	43	36	29	33	36	60	61	65
200	87	80	77	69	61	47	39	45	47	79	75	76
150	78	76	83	67	68	52	45	51	54	81	79	74
100	71	63	78	61	66	57	47	54	53	70	70	63

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	25	27	29	29	27	26	29	28	29	25	28	28
	MIN	5-	7-	4-	8	13	18	21	21	18	10	1	1-
850	MAX	23	23	30	29	28	26	23	25	23	25	25	25
	MIN	2-	6-	0-	6	10	13	16	15	10	5	0	0
700	MAX	14	14	16	18	15	15	12	13	13	14	14	15
	MIN	9-	4-	0-	2-	2	4	7	6	5	0	0	3-
500	MAX	5-	6-	5-	3-	4-	1-	2-	1-	0	2-	4-	6-
	MIN	23-	21-	17-	23-	14-	10-	10-	10-	10-	14-	16-	17-
300	MAX	30-	27-	33-	32-	31-	29-	29-	28-	26-	28-	29-	31-
	MIN	47-	47-	44-	44-	40-	38-	38-	40-	36-	40-	42-	44-
200	MAX	47-	45-	45-	48-	46-	49-	49-	48-	47-	47-	46-	48-
	MIN	64-	65-	64-	63-	64-	57-	57-	58-	57-	58-	60-	63-
150	MAX	56-	53-	56-	55-	58-	59-	60-	59-	59-	59-	56-	57-
	MIN	72-	72-	72-	74-	71-	70-	71-	70-	71-	70-	73-	71-
100	MAX	64-	63-	61-	62-	62-	67-	64-	63-	66-	65-	66-	64-
	MIN	78-	78-	78-	77-	80-	79-	78-	77-	81-	79-	77-	77-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	5.6	5.0	4.7	3.2	2.2	1.2	1.0	.9	1.5	2.3	4.2	4.8
850	4.8	4.4	5.1	3.8	2.9	1.8	1.3	1.4	1.9	2.6	4.2	4.7
700	3.0	3.2	3.2	3.0	2.5	1.7	1.1	1.2	1.5	2.2	2.9	2.9
500	2.5	2.4	2.4	2.1	1.8	1.5	1.2	1.2	1.4	2.3	2.3	2.3
300	2.4	2.6	2.1	1.9	1.9	1.6	1.4	1.6	1.6	2.6	2.4	2.2
200	3.3	3.6	3.4	2.6	2.3	1.5	1.4	1.6	1.7	1.8	2.4	2.6
150	3.4	2.7	3.0	3.3	2.5	2.3	2.0	1.9	2.1	2.2	2.8	3.3
100	2.7	3.1	3.1	2.8	3.3	2.2	2.4	2.1	2.5	3.1	2.4	2.8

BUFFALO, NEW YORK, WBAS

ELEVATION 182 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	730	740	740	700	700	670	690	680	730	730	710	730
	MIN	330	330	310	400	420	410	460	460	420	420	310	300
850	MAX	1590	1607	1595	1599	1640	1610	1624	1624	1672	1635	1594	1601
	MIN	1214	1194	1152	1286	1319	1348	1406	1415	1322	1330	1194	1187
700	MAX	3109	3142	3127	3187	3247	3233	3261	3271	3290	3242	3167	3128
	MIN	2690	2596	2575	2798	2857	2926	3015	3006	2875	2843	2714	2688
500	MAX	5737	5710	5734	5811	5894	5941	5952	5978	5952	5922	5802	5761
	MIN	5087	4930	5057	5278	5323	5523	5602	5600	5438	5294	5086	5104
300	MAX	9405	9371	9367	9455	9590	9718	9741	9771	9716	9668	9493	9425
	MIN	8478	8343	8496	8731	8815	9056	9248	9192	8977	8797	8557	8523
200	MAX	12043	12012	12015	12098	12230	12460	12492	12513	12438	12369	12191	12030
	MIN	11160	11019	11138	11368	11538	11718	11929	11826	11719	11489	11274	11212
150	MAX	13816	13818	13814	13873	13962	14252	14300	14309	14241	14178	13920	13832
	MIN	13023	13005	12995	13330	13429	13587	13809	13691	13609	13362	13151	13037
100	MAX	16236	16333	16341	16388	16470	16709	16744	16740	16704	16557	16364	16370
	MIN	15661	15583	15589	15948	16069	16273	16400	16302	16228	15976	15796	15558

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	69	77	69	60	49	44	38	36	51	60	64	65
850	65	77	70	61	52	47	39	38	52	63	67	63
700	86	97	92	80	68	59	47	48	68	83	89	86
500	141	143	142	120	101	85	67	72	97	124	137	138
300	205	194	199	169	155	136	109	117	139	177	197	193
200	191	173	187	153	148	159	123	135	150	181	185	177
150	153	146	158	118	118	140	105	113	136	161	155	155
100	122	126	136	97	98	104	69	74	108	118	122	143

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	19	16	19	21	25	28	27	29	28	26	20	15
	MIN	21-	19-	17-	9-	3-	3	10	8	2	2-	12-	17-
850	MAX	12	11	13	17	19	22	23	24	21	19	17	11
	MIN	23-	23-	23-	17-	9-	0-	6	3	5-	9-	20-	23-
700	MAX	7	1	1	5	11	12	11	11	12	8	7	4
	MIN	32-	32-	30-	24-	17-	9-	3-	5-	14-	17-	30-	31-
500	MAX	11-	13-	10-	11-	6-	4-	3-	2-	5-	5-	10-	13-
	MIN	41-	42-	43-	33-	32-	26-	20-	21-	27-	36-	37-	43-
300	MAX	39-	39-	37-	37-	35-	30-	28-	28-	30-	32-	33-	35-
	MIN	56-	57-	56-	57-	52-	49-	49-	47-	47-	50-	58-	60-
200	MAX	43-	39-	36-	41-	39-	44-	45-	44-	44-	41-	38-	38-
	MIN	70-	68-	66-	71-	67-	63-	61-	61-	62-	65-	71-	67-
150	MAX	45-	40-	43-	45-	46-	47-	48-	48-	49-	48-	46-	45-
	MIN	65-	67-	65-	71-	74-	69-	69-	70-	68-	69-	67-	71-
100	MAX	50-	47-	48-	47-	50-	52-	52-	52-	50-	53-	48-	47-
	MIN	65-	66-	61-	65-	64-	69-	67-	70-	69-	71-	68-	74-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	7.3	6.6	6.9	6.2	5.3	4.8	3.4	3.8	5.3	5.9	6.5	6.5
850	7.9	7.3	7.8	6.4	5.3	4.5	3.3	3.9	5.5	6.1	7.1	7.4
700	7.2	6.6	7.0	5.6	4.6	3.9	3.1	3.3	4.5	5.3	6.6	7.2
500	6.2	5.6	5.8	4.8	4.3	3.8	3.2	3.3	3.9	4.9	5.8	5.9
300	3.7	3.5	3.6	3.5	3.5	4.1	3.5	3.7	3.4	3.5	4.0	3.9
200	6.6	6.7	6.4	6.2	5.5	3.6	3.1	3.3	3.7	4.8	6.4	6.5
150	4.7	4.5	4.2	5.1	5.4	5.0	4.5	4.9	4.4	4.5	4.8	4.8
100	4.0	4.3	3.4	3.7	3.3	3.5	3.5	4.1	4.1	3.8	4.4	4.4

BURRWOOD, LOUISIANA, WBO

ELEVATION 3 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	700	720	690	660	660	630	650	640	640	670	680	700
	MIN	500	470	480	470	500	520	540	430	490	490	490	500
850	MAX	1619	1618	1601	1598	1605	1595	1615	1607	1603	1597	1601	1607
	MIN	1397	1402	1407	1423	1441	1475	1499	1391	1451	1432	1416	1422
700	MAX	3233	3223	3211	3218	3221	3247	3257	3252	3235	3219	3222	3213
	MIN	2942	2979	2970	2997	3042	3099	3117	3031	3082	3029	2969	2999
500	MAX	5930	5889	5893	5911	5942	5994	5974	5976	5956	5946	5922	5908
	MIN	5506	5527	5556	5610	5714	5787	5780	5762	5695	5638	5508	5555
300	MAX	9692	9624	9637	9651	9718	9808	9790	9835	9787	9772	9715	9696
	MIN	9133	9136	9146	9233	9396	9524	9539	9599	9428	9320	9176	9141
200	MAX	12408	12300	12329	12363	12428	12545	12566	12618	12537	12526	12433	12444
	MIN	11750	11862	11824	11899	12023	12172	12233	12299	12170	11990	11866	11776
150	MAX	14225	14092	14146	14134	14250	14354	14334	14456	14360	14338	14181	14264
	MIN	13674	13690	13656	13673	13836	13953	13996	14106	14021	13778	13697	13607
100	MAX	16679	16513	16684	16644	16617	16772	16780	16880	16802	16791	16584	16701
	MIN	16151	16169	16181	16094	16316	16407	16471	16522	16453	16214	16195	16102

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	38	42	38	34	26	21	17	23	24	29	36	36
850	39	40	34	34	25	23	20	23	25	30	35	34
700	48	47	42	38	29	27	22	26	29	35	41	40
500	68	68	60	52	39	34	27	30	37	49	59	59
300	104	92	86	74	58	51	39	42	54	83	88	92
200	115	97	95	85	74	65	52	54	65	100	97	107
150	107	91	92	82	77	68	56	57	63	104	88	103
100	98	79	87	74	60	60	49	52	59	81	75	85

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	21	20	24	24	27	28	28	29	27	24	23	21
	MIN	7-	7-	0	8	12	17	20	17	15	7	0	0
850	MAX	17	18	19	19	22	21	22	22	22	19	17	16
	MIN	7-	9-	4-	0	8	9	13	12	10	4	2-	5-
700	MAX	10	10	12	11	12	13	12	13	13	12	11	11
	MIN	8-	10-	7-	3-	1	4	3	3	0-	1-	7-	8-
500	MAX	6-	8-	4-	3-	4-	3-	3-	2-	2-	3-	3-	5-
	MIN	21-	27-	20-	23-	15-	12-	11-	10-	15-	17-	23-	24-
300	MAX	31-	33-	34-	34-	30-	29-	29-	27-	27-	27-	30-	31-
	MIN	49-	48-	46-	45-	44-	39-	37-	37-	41-	45-	45-	51-
200	MAX	38-	43-	47-	49-	50-	50-	51-	47-	46-	48-	47-	47-
	MIN	65-	65-	63-	64-	63-	60-	59-	58-	59-	62-	63-	65-
150	MAX	50-	54-	54-	52-	56-	58-	61-	59-	59-	59-	54-	55-
	MIN	74-	71-	74-	70-	71-	71-	71-	70-	72-	69-	73-	73-
100	MAX	63-	60-	62-	60-	60-	65-	63-	65-	63-	62-	61-	60-
	MIN	79-	77-	76-	76-	75-	77-	76-	74-	78-	78-	76-	78-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	5.5	5.3	5.0	3.2	2.1	1.6	1.3	1.5	1.8	3.1	4.5	5.0
850	3.9	4.0	4.1	3.1	2.3	1.8	1.4	1.5	1.9	2.7	3.5	3.8
700	3.4	3.4	3.4	2.4	2.1	1.6	1.4	1.4	1.7	2.3	3.0	3.1
500	2.9	3.0	2.6	2.3	1.9	1.6	1.4	1.4	1.8	2.8	2.7	3.0
300	2.7	2.6	2.3	2.1	2.2	1.9	1.6	1.6	2.0	2.8	2.7	2.8
200	4.0	4.0	3.4	2.6	2.2	1.7	1.6	1.7	2.0	2.2	2.8	3.1
150	3.7	2.7	3.0	3.2	2.8	2.3	1.9	2.0	2.2	2.2	3.1	3.6
100	3.0	3.3	3.0	2.9	2.8	2.2	2.5	2.1	3.1	3.7	3.2	3.3

CARIBOU, MAINE, WBAS

ELEVATION 191 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	760	740	670	690	660	680	670	700	720	720	720	730
	MIN	220	240	200	280	370	370	400	410	380	380	300	280
850	MAX	1583	1571	1536	1579	1587	1617	1609	1629	1642	1641	1608	1607
	MIN	1084	1102	1096	1170	1254	1261	1338	1345	1285	1269	1163	1169
700	MAX	3083	3117	3101	3144	3192	3232	3238	3242	3228	3220	3176	3167
	MIN	2592	2537	2570	2695	2757	2808	2920	2884	2786	2751	2625	2614
500	MAX	5731	5736	5703	5728	5830	5937	5935	5927	5899	5860	5790	5795
	MIN	4946	4938	4969	5003	5212	5396	5453	5467	5261	5259	5001	4924
300	MAX	9408	9383	9349	9364	9498	9715	9686	9730	9646	9657	9488	9487
	MIN	8361	8334	8342	8319	8738	8924	9067	9035	8811	8746	8544	8351
200	MAX	12038	11965	11949	12047	12157	12500	12416	12472	12380	12387	12108	12133
	MIN	10969	11039	11066	11028	11439	11617	11830	11793	11555	11428	11287	11007
150	MAX	13771	13711	13712	13844	13942	14377	14225	14236	14190	14091	13839	13888
	MIN	12972	12944	12932	12921	13329	13500	13726	13701	13488	13315	13187	12834
100	MAX	16194	16208	16281	16298	16535	16634	16697	16739	16651	16507	16332	16308
	MIN	15608	15499	15531	15598	16034	16153	16366	16355	16174	15956	15801	15364

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	88	95	83	70	54	54	49	49	63	67	78	81
850	84	95	85	69	60	58	49	51	63	70	80	85
700	100	111	104	79	79	71	57	60	76	89	99	109
500	148	154	152	117	118	103	79	82	111	130	143	165
300	203	197	206	172	175	161	125	130	169	186	199	229
200	180	159	181	151	161	168	133	141	173	187	180	210
150	150	130	155	129	126	135	106	110	149	160	151	187
100	130	124	134	120	101	94	77	74	111	125	111	166

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	11	7	10	14	24	26	27	27	24	19	15	12
	MIN	34-	30-	25-	16-	6-	1	7	7	0	4-	17-	26-
850	MAX	9	6	9	10	16	19	21	19	19	17	11	10
	MIN	29-	36-	27-	21-	14-	2-	2	1	5-	12-	18-	29-
700	MAX	0-	0	2	2	6	10	9	12	9	8	6	2
	MIN	31-	34-	33-	32-	22-	13-	6-	8-	17-	18-	26-	34-
500	MAX	13-	15-	13-	13-	10-	6-	5-	5-	6-	6-	8-	13-
	MIN	46-	44-	44-	50-	34-	29-	25-	23-	34-	34-	39-	45-
300	MAX	39-	38-	37-	37-	36-	29-	30-	30-	30-	31-	33-	31-
	MIN	58-	59-	59-	61-	53-	54-	50-	48-	50-	54-	55-	58-
200	MAX	41-	36-	37-	38-	38-	40-	38-	39-	42-	43-	40-	37-
	MIN	70-	71-	67-	69-	66-	64-	61-	60-	63-	68-	67-	67-
150	MAX	43-	38-	42-	40-	43-	44-	45-	44-	44-	45-	43-	42-
	MIN	72-	67-	70-	65-	70-	68-	67-	66-	69-	69-	68-	70-
100	MAX	46-	40-	46-	46-	48-	47-	47-	47-	45-	50-	49-	45-
	MIN	66-	64-	63-	63-	62-	65-	64-	65-	67-	69-	66-	62-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	7.8	7.2	5.9	4.9	5.4	5.0	3.8	3.9	4.8	5.3	5.3	6.8
850	7.8	7.7	6.9	5.5	5.4	4.9	3.7	3.8	5.3	6.2	6.3	7.5
700	7.1	6.7	6.9	5.6	5.1	4.6	3.4	3.6	5.1	5.6	6.3	7.3
500	6.2	6.2	6.1	5.4	4.9	4.6	3.5	3.6	4.9	5.0	5.8	6.6
300	3.9	4.1	3.9	3.9	3.6	4.4	3.8	3.8	4.0	4.1	4.2	4.5
200	6.4	7.2	6.5	6.4	6.2	5.1	4.3	4.3	4.6	5.0	6.0	6.3
150	4.7	4.9	4.3	4.2	4.8	5.0	5.0	4.5	4.7	4.4	4.7	4.7
100	3.5	4.3	3.4	3.2	3.1	3.2	3.6	3.6	4.0	3.4	3.6	3.6

CHARLESTON, SOUTH CAROLINA, WBAS

ELEVATION 13 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	720	740	710	700	700	680	690	670	680	700	710	720
	MIN	430	440	460	450	480	480	530	460	460	440	470	460
850	MAX	1638	1642	1602	1628	1646	1630	1647	1641	1620	1621	1619	1627
	MIN	1352	1334	1340	1392	1418	1423	1492	1410	1412	1385	1355	1378
700	MAX	3245	3226	3215	3228	3248	3255	3279	3275	3253	3238	3212	3226
	MIN	2852	2830	2816	2965	3017	3018	3120	3047	3023	2953	2868	2878
500	MAX	5917	5899	5901	5900	5928	5970	5984	5984	5991	5950	5893	5899
	MIN	5340	5373	5316	5505	5622	5647	5783	5772	5721	5551	5437	5394
300	MAX	9667	9617	9628	9694	9697	9784	9796	9803	9848	9749	9685	9637
	MIN	8882	8897	8819	9096	9237	9295	9511	9563	9498	9167	9023	8906
200	MAX	12329	12279	12311	12401	12391	12528	12586	12565	12601	12468	12411	12326
	MIN	11580	11603	11502	11737	11902	11966	12181	12235	12146	11900	11687	11612
150	MAX	14156	14114	14104	14168	14174	14312	14382	14373	14365	14289	14198	14098
	MIN	13454	13468	13380	13576	13722	13796	13987	14039	13940	13728	13543	13481
100	MAX	16556	16616	16552	16577	16607	16724	16784	16802	16732	16729	16611	16541
	MIN	16052	15976	16079	16136	16231	16282	16496	16520	16413	16243	16105	16048

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	52	57	45	49	36	31	27	29	33	43	46	46
850	56	59	47	49	36	32	27	29	32	44	49	49
700	73	73	63	58	44	39	29	30	34	51	62	63
500	107	98	92	76	57	52	33	31	38	67	86	90
300	147	137	133	105	82	80	47	43	56	101	119	133
200	145	144	137	112	96	98	61	56	72	119	131	143
150	131	131	133	96	91	93	61	56	74	115	122	125
100	111	110	103	76	78	68	52	49	61	94	90	99

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	21	21	22	24	29	31	30	29	27	26	22	20
	MIN	5-	6-	5-	4	11	15	17	17	10	2	9-	5-
850	MAX	17	19	18	20	22	24	22	23	22	21	17	16
	MIN	12-	12-	11-	3-	5	8	12	12	7	1	8-	9-
700	MAX	9	8	9	10	12	12	11	11	12	11	9	9
	MIN	21-	16-	14-	10-	6-	1-	2	4	1	7-	11-	15-
500	MAX	8-	7-	8-	7-	6-	4-	2-	3-	2-	1-	5-	7-
	MIN	29-	28-	28-	23-	23-	16-	13-	10-	13-	22-	30-	29-
300	MAX	33-	35-	35-	33-	33-	30-	28-	27-	27-	24-	31-	34-
	MIN	50-	52-	52-	51-	46-	44-	40-	40-	41-	47-	48-	51-
200	MAX	42-	45-	43-	46-	49-	48-	50-	50-	49-	45-	45-	45-
	MIN	67-	66-	64-	65-	63-	62-	59-	58-	60-	61-	64-	69-
150	MAX	48-	52-	50-	49-	50-	53-	57-	56-	59-	55-	54-	50-
	MIN	73-	69-	70-	71-	71-	71-	75-	71-	73-	73-	74-	72-
100	MAX	56-	57-	56-	56-	57-	57-	59-	60-	62-	57-	55-	55-
	MIN	75-	74-	75-	73-	73-	74-	75-	75-	75-	79-	75-	77-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	5.8	5.7	5.5	3.8	3.1	3.0	2.1	2.0	2.7	3.6	5.3	5.7
850	4.9	4.8	5.1	4.0	3.0	2.6	1.9	1.8	2.2	3.3	4.8	4.9
700	4.5	3.9	4.3	3.0	2.4	2.1	1.5	1.4	1.6	2.9	3.7	4.1
500	4.0	3.4	3.6	2.7	2.1	1.9	1.6	1.4	1.7	3.1	3.4	3.8
300	3.0	3.2	2.9	2.7	2.6	2.6	1.8	2.0	2.3	3.5	3.4	3.4
200	4.7	4.6	4.6	3.6	2.4	2.1	1.7	1.8	2.0	2.6	3.2	3.9
150	4.0	3.1	3.4	3.8	3.8	3.4	2.4	2.4	2.5	3.2	3.6	4.1
100	3.6	3.7	3.9	3.3	3.1	3.3	2.5	2.5	2.9	3.7	3.7	4.1

COLUMBIA, MISSOURI, WBAS

ELEVATION 238 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	710	700	700	690	660	650	660	630	690	700	720	740
	MIN	330	360	320	300	410	460	500	500	490	430	360	390
850	MAX	1601	1577	1567	1609	1595	1608	1607	1610	1608	1605	1621	1603
	MIN	1261	1267	1268	1262	1341	1400	1478	1471	1437	1342	1256	1283
700	MAX	3172	3141	3122	3184	3223	3260	3274	3283	3242	3220	3206	3152
	MIN	2793	2784	2793	2834	2920	2979	3080	3080	3064	2896	2770	2796
500	MAX	5825	5755	5774	5825	5913	5984	5997	5987	5973	5910	5834	5798
	MIN	5282	5216	5236	5319	5494	5561	5733	5765	5679	5399	5280	5324
300	MAX	9527	9404	9445	9545	9645	9772	9820	9820	9764	9724	9524	9532
	MIN	8733	8727	8657	8820	9014	9132	9434	9462	9344	8860	8777	8755
200	MAX	12092	12000	12074	12210	12334	12505	12564	12581	12483	12470	12183	12180
	MIN	11381	11405	11430	11509	11656	11832	12094	12134	12000	11515	11449	11467
150	MAX	13886	13778	13840	13969	14149	14319	14373	14419	14287	14266	13961	13936
	MIN	13259	13292	13309	13421	13513	13724	13914	13932	13803	13388	13306	13322
100	MAX	16395	16269	16367	16449	16633	16722	16798	16802	16701	16615	16421	16273
	MIN	15881	15884	15937	16041	16109	16328	16458	16494	16338	16006	15881	15911

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	63	56	64	55	40	35	28	26	37	46	64	62
850	53	51	55	54	40	37	26	25	34	46	59	55
700	64	65	65	68	51	47	32	31	39	62	74	64
500	106	103	98	99	78	67	44	44	53	97	115	100
300	154	142	140	143	116	101	69	70	81	143	162	145
200	144	126	128	144	125	122	88	87	100	155	156	136
150	124	105	109	115	113	116	83	82	97	143	136	111
100	103	86	94	91	96	83	62	53	75	112	100	77

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	16	18	22	26	29	33	36	33	33	27	23	20
	MIN	21-	21-	17-	4-	3	9	14	12	8	0	15-	20-
850	MAX	15	13	16	19	22	26	30	26	26	20	15	17
	MIN	19-	23-	21-	8-	5-	3	8	5	2	6-	19-	18-
700	MAX	5	7	7	10	14	15	17	16	14	11	10	7
	MIN	25-	26-	23-	18-	11-	4-	1	2	3-	16-	23-	20-
500	MAX	9-	13-	12-	9-	7-	3-	1-	1-	3-	4-	10-	7-
	MIN	38-	37-	34-	34-	27-	19-	13-	13-	19-	30-	33-	34-
300	MAX	37-	39-	31-	35-	33-	30-	27-	26-	30-	31-	25-	37-
	MIN	56-	59-	54-	53-	54-	49-	40-	41-	44-	51-	54-	54-
200	MAX	41-	42-	36-	44-	42-	44-	46-	45-	46-	44-	41-	42-
	MIN	68-	68-	68-	66-	65-	61-	60-	60-	62-	64-	66-	66-
150	MAX	48-	48-	45-	47-	47-	48-	53-	53-	53-	48-	46-	46-
	MIN	69-	67-	66-	69-	75-	70-	70-	71-	70-	68-	69-	76-
100	MAX	52-	51-	52-	52-	52-	55-	56-	55-	56-	54-	53-	52-
	MIN	71-	69-	70-	67-	73-	73-	75-	73-	74-	74-	73-	72-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	8.4	7.6	7.8	6.7	5.1	4.5	3.8	3.9	5.1	6.1	7.3	7.3
850	7.5	7.0	7.5	6.6	4.8	4.1	3.6	3.7	4.5	5.8	7.1	6.6
700	6.1	5.5	5.5	5.1	4.1	3.5	2.4	2.4	2.9	4.8	5.8	5.6
500	5.2	4.5	4.3	4.2	3.2	2.6	2.1	2.1	2.6	4.2	4.9	4.7
300	3.8	3.0	3.4	3.1	2.8	3.0	2.4	2.6	2.9	3.5	3.8	3.5
200	6.1	5.8	5.9	5.2	4.1	2.6	2.1	2.2	2.7	3.8	5.2	5.5
150	4.2	3.6	3.8	4.3	4.2	4.0	3.1	3.1	2.9	3.8	4.4	4.7
100	4.0	4.0	3.7	3.4	3.7	3.9	3.4	3.0	3.2	4.3	4.0	3.7

DODGE CITY, KANSAS, WBAS

ELEVATION 792 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	740	750	720	700	660	640	650	640	700	880	730	760
	MIN	380	360	300	320	380	390	440	460	420	400	360	320
850	MAX	1589	1605	1595	1619	1563	1577	1596	1601	1605	1619	1611	1625
	MIN	1272	1294	1247	1279	1321	1355	1438	1459	1394	1359	1290	1258
700	MAX	3177	3161	3164	3190	3209	3237	3261	3257	3244	3224	3209	3174
	MIN	2735	2825	2837	2867	2920	3011	3109	3122	3038	2981	2870	2839
500	MAX	5843	5828	5808	5845	5941	5978	5992	5977	5970	5935	5882	5821
	MIN	5242	5276	5357	5429	5515	5565	5811	5803	5695	5500	5378	5329
300	MAX	9514	9505	9483	9535	9682	9789	9817	9810	9762	9715	9568	9513
	MIN	8764	8775	8821	8873	9101	9119	9525	9501	9374	9020	8856	8871
200	MAX	12137	12155	12106	12183	12383	12511	12587	12570	12503	12443	12218	12135
	MIN	11432	11469	11432	11551	11771	11860	12190	12178	12084	11703	11551	11544
150	MAX	13974	13960	13915	13982	14198	14322	14378	14383	14302	14231	14015	13893
	MIN	13326	13359	13280	13455	13670	13766	13990	13956	13874	13556	13446	13412
100	MAX	16474	16391	16404	16484	16664	16761	16786	16757	16731	16600	16442	16360
	MIN	15964	15944	15924	16075	16222	16375	16480	16486	16294	16140	16065	15966

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	72	64	72	68	52	46	36	33	47	60	67	71
850	61	53	60	58	44	40	30	27	39	48	61	63
700	63	58	59	57	43	42	26	24	36	48	66	63
500	97	95	90	83	65	62	33	32	46	74	102	96
300	142	139	135	124	100	94	54	53	71	115	141	138
200	133	126	126	124	106	113	71	69	89	131	136	129
150	116	102	110	101	95	113	72	71	86	124	117	103
100	98	79	84	78	78	82	55	52	71	89	90	79

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	MAX	19	20	22	26	28	30	30	30	30	27	23	22
	MIN	24-	20-	23-	6-	4-	5	13	11	4	1-	14-	19-
700	MAX	7	7	8	12	16	18	17	16	16	13	11	13
	MIN	21-	27-	19-	15-	7-	5-	4	4	0-	12-	19-	19-
500	MAX	10-	11-	10-	9-	4-	2-	1-	2-	2-	5-	7-	7-
	MIN	36-	39-	37-	31-	24-	23-	12-	12-	16-	30-	30-	33-
300	MAX	33-	39-	37-	36-	33-	29-	28-	28-	29-	30-	30-	36-
	MIN	54-	57-	54-	54-	50-	46-	39-	39-	42-	48-	52-	53-
200	MAX	39-	43-	42-	43-	42-	43-	48-	48-	46-	47-	41-	42-
	MIN	67-	68-	66-	66-	65-	62-	63-	60-	64-	64-	66-	68-
150	MAX	47-	48-	45-	47-	48-	48-	56-	55-	53-	52-	49-	48-
	MIN	73-	66-	66-	72-	71-	71-	69-	70-	67-	69-	69-	77-
100	MAX	53-	51-	52-	51-	54-	55-	60-	58-	59-	55-	53-	52-
	MIN	72-	71-	73-	69-	71-	75-	76-	74-	77-	75-	77-	78-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	8.6	7.8	8.1	6.9	5.6	5.2	3.8	3.8	4.9	6.0	7.4	7.5
700	6.2	5.9	5.9	5.5	4.4	4.0	2.4	2.3	3.1	4.7	5.8	5.8
500	4.7	4.6	4.5	3.8	3.1	2.8	1.9	2.0	2.5	4.0	4.5	4.7
300	3.5	2.9	3.3	2.9	2.7	2.7	2.1	2.2	2.8	3.3	3.3	3.3
200	5.9	6.0	5.9	4.9	4.0	2.7	1.9	1.8	2.8	3.3	4.8	5.3
150	4.3	3.8	3.9	3.9	4.0	3.6	2.4	2.6	2.7	3.1	4.3	4.9
100	4.0	3.9	3.5	3.2	3.4	4.1	2.9	2.5	3.0	3.7	4.2	4.4

EL PASO, TEXAS, WBAS

ELEVATION 1195 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	730	700	660	640	620	580	610	600	660	700	710	710
	MIN	430	430	410	420	430	410	420	460	440	450	450	410
850	MAX	1609	1617	1574	1579	1565	1551	1569	1567	1596	1611	1615	1609
	MIN	1345	1375	1360	1372	1395	1422	1425	1463	1430	1411	1399	1359
700	MAX	3215	3203	3177	3207	3208	3228	3238	3231	3246	3224	3213	3218
	MIN	2890	2947	2940	2954	2953	3093	3131	3122	3098	3031	2958	2934
500	MAX	5906	5848	5838	5902	5910	5959	5965	5967	5973	5937	5919	5908
	MIN	5405	5454	5452	5514	5477	5772	5850	5828	5788	5703	5464	5508
300	MAX	9627	9542	9552	9618	9648	9758	9799	9808	9772	9739	9669	9643
	MIN	8894	8973	8975	9010	9053	9452	9588	9622	9499	9310	9025	9063
200	MAX	12298	12206	12247	12299	12325	12490	12560	12568	12538	12498	12328	12302
	MIN	11581	11667	11691	11679	11853	12085	12261	12313	12174	11950	11757	11700
150	MAX	14116	14011	14071	14018	14131	14290	14364	14372	14351	14294	14110	14070
	MIN	13455	13525	13539	13544	13724	13903	14046	14082	13915	13775	13606	13572
100	MAX	16514	16429	16609	16479	16571	16702	16758	16753	16750	16665	16534	16483
	MIN	16039	16090	16010	16124	16270	16391	16502	16487	16365	16277	16182	16094

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	51	51	45	43	34	30	27	24	34	39	52	53
850	44	44	41	38	29	25	23	20	29	35	46	46
700	54	50	48	44	34	28	20	19	26	34	51	51
500	93	78	74	66	54	40	22	24	33	46	79	81
300	139	110	111	100	82	65	33	35	50	76	112	121
200	140	107	118	103	90	87	47	49	64	96	115	125
150	121	99	99	88	84	83	51	54	67	95	99	107
100	91	78	88	77	65	69	48	52	58	78	74	80

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	MAX	19	20	24	28	34	36	35	32	32	27	24	19
	MIN	13-	8-	3-	1	2	15	16	16	12	4	0	7-
700	MAX	10	8	9	12	17	20	19	17	17	13	11	9
	MIN	18-	14-	12-	8-	7-	4	5	7	2	0	9-	15-
500	MAX	8-	11-	9-	9-	5-	1-	2-	2-	3-	3-	3-	6-
	MIN	35-	31-	29-	27-	26-	14-	10-	10-	13-	17-	29-	30-
300	MAX	29-	37-	35-	33-	34-	30-	28-	28-	28-	30-	29-	35-
	MIN	51-	51-	49-	51-	49-	42-	38-	37-	41-	45-	48-	50-
200	MAX	43-	40-	45-	45-	41-	50-	50-	50-	48-	47-	47-	45-
	MIN	66-	67-	67-	66-	67-	62-	59-	60-	59-	61-	64-	65-
150	MAX	49-	51-	50-	50-	53-	53-	61-	60-	59-	56-	52-	52-
	MIN	75-	71-	70-	74-	72-	70-	71-	72-	72-	71-	72-	76-
100	MAX	57-	54-	57-	57-	57-	62-	63-	64-	57-	61-	56-	58-
	MIN	77-	74-	72-	73-	75-	78-	78-	77-	77-	77-	76-	76-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	6.4	5.3	5.2	4.7	4.4	3.5	3.2	2.9	3.4	4.0	5.1	5.0
700	5.2	4.0	4.0	3.6	3.4	2.5	2.1	1.9	2.2	2.5	4.0	4.5
500	4.6	3.4	3.2	2.9	2.6	2.0	1.3	1.4	1.9	2.5	3.6	3.9
300	3.5	2.7	3.2	2.7	2.2	2.4	1.7	1.6	2.2	2.9	2.9	3.3
200	5.0	5.0	4.7	4.2	3.2	2.0	1.5	1.7	1.9	2.5	3.3	3.9
150	4.3	3.3	3.6	3.6	3.3	2.9	1.7	2.1	2.1	2.6	3.5	4.5
100	3.9	4.2	3.5	3.1	3.8	3.1	2.8	2.2	2.7	3.1	3.7	3.9

ELY, NEVADA, WBAS

ELEVATION 1908 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	810	780	740	680	660	610	630	600	630	700	740	820
	MIN	400	460	390	380	390	330	380	420	390	400	420	380
850	MAX	1660	1643	1637	1611	1580	1547	1573	1558	1576	1624	1629	1655
	MIN	1307	1346	1277	1326	1340	1292	1385	1387	1363	1350	1345	1277
700	MAX	3213	3236	3175	3220	3229	3217	3234	3237	3233	3231	3223	3222
	MIN	2830	2855	2800	2880	2907	2949	3065	3056	2988	2937	2894	2800
500	MAX	5836	5887	5769	5887	5925	5975	5977	5970	5976	5914	5900	5866
	MIN	5275	5309	5324	5401	5429	5542	5771	5735	5579	5466	5407	5265
300	MAX	9510	9542	9426	9542	9643	9786	9828	9807	9772	9708	9622	9568
	MIN	8720	8762	8738	8846	8957	9106	9471	9436	9202	8973	8872	8723
200	MAX	12199	12137	12068	12132	12320	12492	12594	12563	12478	12408	12280	12221
	MIN	11384	11374	11421	11534	11657	11823	12128	12121	11928	11668	11519	11448
150	MAX	14039	13980	13833	13904	14148	14262	14407	14373	14283	14210	14063	13985
	MIN	13249	13232	13279	13422	13548	13688	13933	13956	13772	13528	13409	13320
100	MAX	16495	16485	16321	16408	16602	16670	16832	16895	16761	16636	16476	16429
	MIN	15860	15900	15874	15995	16167	16291	16459	16488	16326	16090	15985	15951

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	77	64	61	55	48	42	41	32	42	54	61	74
850	68	58	57	50	41	36	34	28	37	48	58	66
700	76	71	64	57	51	43	32	31	46	56	73	72
500	121	116	98	90	88	74	42	47	71	92	123	114
300	175	172	147	134	136	114	66	72	102	138	186	167
200	166	158	129	125	132	124	85	89	110	144	192	164
150	144	139	109	96	109	107	79	81	100	130	161	143
100	113	110	87	77	84	77	64	63	81	105	116	113

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
700	MAX	6	5	4	10	16	21	20	19	18	12	8	6
	MIN	23-	20-	17-	14-	10-	6-	7	5	4-	9-	16-	19-
500	MAX	11-	12-	13-	11-	8-	3-	3-	4-	4-	5-	8-	10-
	MIN	42-	38-	36-	33-	30-	26-	13-	15-	24-	28-	34-	40-
300	MAX	33-	40-	38-	35-	35-	33-	28-	29-	30-	32-	30-	36-
	MIN	56-	56-	55-	55-	51-	49-	40-	42-	48-	53-	54-	57-
200	MAX	40-	43-	41-	42-	41-	44-	46-	46-	44-	43-	43-	40-
	MIN	69-	70-	69-	68-	66-	63-	59-	59-	61-	65-	66-	69-
150	MAX	46-	45-	47-	46-	45-	47-	53-	51-	50-	49-	49-	46-
	MIN	69-	72-	70-	72-	69-	70-	70-	68-	67-	74-	72-	74-
100	MAX	48-	50-	50-	52-	50-	53-	56-	56-	55-	50-	52-	51-
	MIN	71-	70-	66-	69-	70-	71-	71-	72-	73-	74-	74-	78-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
700	5.7	5.7	4.9	5.1	5.5	4.9	2.5	2.6	4.3	5.1	5.9	5.5
500	5.5	5.2	4.3	4.1	4.2	3.6	1.8	2.1	2.9	4.1	5.6	5.1
300	3.3	3.0	2.9	2.8	2.9	2.8	2.5	2.7	2.6	3.0	3.7	3.5
200	6.7	6.5	6.2	5.6	5.3	3.6	2.2	2.2	3.3	4.1	4.7	5.7
150	4.6	4.1	4.1	4.0	4.7	4.3	3.1	3.4	3.4	4.1	4.8	4.9
100	4.8	4.7	3.4	3.1	3.4	3.6	3.0	3.2	3.4	4.2	4.7	4.3

FAIRBANKS, ALASKA, WBAS

ELEVATION 135 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	730	750	760	740	690	660	670	640	690	700	730	730
	MIN	180	190	230	220	320	330	400	310	290	240	190	200
850	MAX	1587	1608	1617	1637	1572	1585	1595	1564	1593	1578	1589	1569
	MIN	1009	1097	1085	1126	1254	1260	1334	1246	1170	1111	1076	1064
700	MAX	3105	3104	3171	3191	3119	3192	3194	3150	3141	3107	3102	3079
	MIN	2469	2533	2539	2641	2737	2808	2899	2813	2686	2615	2556	2523
500	MAX	5639	5693	5733	5764	5771	5875	5853	5813	5741	5716	5647	5575
	MIN	4876	4913	4919	5087	5162	5344	5417	5312	5180	5029	4966	4891
300	MAX	9194	9322	9292	9332	9444	9590	9580	9559	9443	9355	9202	9167
	MIN	8193	8242	8315	8422	8528	8816	8881	8797	8683	8399	8342	8285
200	MAX	11746	11892	11827	11884	12163	12240	12257	12263	12104	11960	11815	11712
	MIN	10806	10876	10994	11004	11205	11512	11591	11494	11320	11061	11015	10785
150	MAX	13492	13558	13603	13693	14042	14030	14071	14107	13947	13746	13589	13488
	MIN	12693	12720	12889	12840	13156	13430	13526	13431	13201	12908	12909	12756
100	MAX	16084	16131	16263	16275	16487	16585	16776	16721	16539	16215	16192	16081
	MIN	15283	15352	15442	15429	15866	16139	16234	16155	15859	15578	15548	15360

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	112	94	96	96	65	58	50	55	77	95	100	102
850	114	94	94	91	63	60	52	58	76	93	93	99
700	124	103	102	94	71	69	61	68	80	96	93	101
500	156	138	138	120	104	92	82	98	103	120	122	122
300	202	178	184	168	159	130	120	153	154	170	172	164
200	191	155	163	148	146	121	115	147	159	163	146	155
150	175	152	154	144	133	101	96	120	147	147	128	145
100	186	165	169	152	116	92	87	105	134	117	111	151

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	3	8	6	15	28	27	30	24	19	12	9	1
	MIN	38-	34-	29-	19-	7-	3	4	2	3-	17-	31-	35-
850	MAX	6	8	5	7	19	17	20	15	13	10	6	1
	MIN	35-	36-	35-	26-	15-	3-	2-	5-	10-	20-	32-	36-
700	MAX	0-	1-	4-	3-	5	6	6	9	2	1	1	7-
	MIN	37-	37-	31-	30-	23-	12-	12-	14-	22-	26-	37-	35-
500	MAX	18-	15-	20-	17-	12-	9-	7-	7-	11-	14-	14-	18-
	MIN	45-	46-	45-	43-	39-	28-	32-	32-	36-	40-	46-	44-
300	MAX	43-	40-	44-	41-	35-	38-	35-	34-	37-	40-	40-	40-
	MIN	63-	63-	61-	61-	58-	56-	53-	55-	58-	63-	63-	67-
200	MAX	40-	39-	39-	40-	40-	39-	39-	38-	40-	42-	42-	40-
	MIN	72-	68-	67-	68-	62-	66-	63-	63-	64-	69-	69-	70-
150	MAX	41-	38-	37-	40-	40-	40-	39-	38-	42-	44-	43-	40-
	MIN	68-	63-	59-	62-	54-	59-	57-	61-	64-	64-	63-	75-
100	MAX	39-	39-	40-	40-	42-	39-	41-	40-	44-	44-	43-	40-
	MIN	63-	61-	60-	61-	53-	53-	52-	56-	59-	59-	60-	61-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	8.7	9.0	7.8	6.5	5.3	4.4	4.5	4.6	4.9	5.8	8.1	7.8
850	8.3	8.1	7.5	5.8	5.0	3.9	3.8	4.3	4.6	5.2	7.5	7.4
700	6.1	5.9	5.7	4.5	4.5	3.3	3.0	3.9	4.0	4.4	6.1	5.3
500	5.4	5.3	5.4	4.9	4.7	3.4	3.3	4.3	4.3	4.9	5.8	5.0
300	3.8	3.5	3.6	3.5	3.8	3.2	3.2	4.0	3.9	3.7	3.6	4.0
200	6.4	5.8	4.8	5.2	4.2	5.3	5.3	5.7	4.2	4.8	5.0	5.3
150	5.1	5.0	4.0	3.9	2.5	3.2	2.8	3.9	3.0	3.7	3.5	4.8
100	4.2	4.3	4.2	3.7	2.1	2.4	2.4	2.8	2.3	3.1	3.4	4.8

GAMBELL, ALASKA, WB

ELEVATION 8 METERS MSL JAN1946 JUN1953

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	760	780	720	710	670	730	640	660	730	650	740	690
	MIN	140	170	230	270	330	350	320	270	240	230	140	180
850	MAX	1639	1627	1550	1591	1565	1650	1551	1574	1635	1524	1599	1542
	MIN	1026	1013	1062	1119	1200	1235	1218	1164	1122	1078	999	1051
700	MAX	3174	3092	3057	3136	3115	3238	3126	3175	3199	3056	3116	3041
	MIN	2521	2491	2442	2587	2700	2762	2748	2712	2637	2531	2492	2525
500	MAX	5723	5616	5577	5714	5658	5874	5772	5818	5828	5643	5643	5583
	MIN	4866	4837	4824	4998	5085	5217	5282	5265	5131	4937	4940	4849
300	MAX	9264	9106	9118	9287	9291	9561	9481	9512	9540	9235	9258	9132
	MIN	8184	8202	8300	8424	8486	8719	8806	8763	8596	8341	8274	8169
200	MAX	11829	11558	11683	11838	11934	12217	12143	12193	12210	11864	11863	11648
	MIN	10800	10870	10949	11052	11136	11467	11574	11476	11280	10901	10900	10717
150	MAX	13599	13411	13504	13653	13800	13988	14016	14005	14022	13670	13614	13399
	MIN	12682	12753	12821	12915	13052	13392	13541	13401	13196	12754	12776	12750
100	MAX	16157	16089	16123	16271	16411	16562	16622	16608	16586	16222	16195	15989
	MIN	15310	15426	15344	15528	15851	16110	16284	16119	15885	15547	15406	15272

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	104	102	92	88	60	58	60	66	76	83	110	114
850	111	105	98	95	64	65	65	71	78	85	108	113
700	129	114	112	110	78	78	74	82	85	93	113	116
500	173	145	146	145	110	111	93	111	111	121	139	144
300	231	185	181	192	154	160	130	163	156	165	186	195
200	218	147	151	167	135	142	107	146	148	150	169	179
150	198	143	138	151	126	119	87	116	129	135	157	161
100	191	140	138	141	112	100	74	95	116	119	152	163

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	3	5	0	5	8	16	15	15	9	7	2	2
	MIN	31-	33-	34-	21-	18-	7-	0	1-	6-	11-	19-	28-
850	MAX	5	2	0-	3	5	11	12	14	6	7	5	1
	MIN	31-	32-	40-	26-	21-	12-	3-	6-	13-	17-	24-	29-
700	MAX	0-	5-	5-	4-	2-	5	4	6	2	2-	4-	6-
	MIN	35-	36-	44-	29-	27-	19-	10-	13-	21-	23-	31-	36-
500	MAX	16-	22-	20-	19-	13-	9-	10-	8-	13-	17-	17-	16-
	MIN	46-	46-	46-	40-	42-	35-	27-	31-	33-	41-	43-	46-
300	MAX	38-	38-	41-	42-	36-	34-	34-	35-	35-	38-	40-	36-
	MIN	66-	63-	61-	62-	57-	53-	52-	52-	56-	63-	64-	61-
200	MAX	41-	38-	39-	39-	37-	36-	35-	35-	41-	40-	40-	39-
	MIN	71-	71-	68-	73-	61-	63-	61-	62-	63-	67-	67-	72-
150	MAX	39-	40-	40-	40-	39-	41-	39-	40-	41-	43-	39-	34-
	MIN	64-	64-	61-	62-	53-	59-	54-	57-	57-	62-	62-	70-
100	MAX	39-	40-	40-	40-	41-	40-	40-	42-	43-	43-	43-	43-
	MIN	64-	60-	59-	61-	54-	56-	52-	55-	58-	61-	60-	68-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	8.5	8.1	7.0	5.7	5.1	4.2	2.7	3.1	2.8	3.6	5.1	7.6
850	7.1	6.5	6.5	5.2	5.1	4.1	3.1	3.7	3.6	4.4	5.5	6.5
700	6.4	5.5	5.7	5.0	4.7	4.0	3.1	4.0	3.9	4.2	5.4	5.2
500	6.0	5.1	5.2	5.1	4.7	4.3	3.4	4.4	3.8	4.8	5.3	5.7
300	4.5	3.5	4.0	3.7	3.5	3.7	3.5	3.9	3.5	3.9	3.9	4.6
200	6.9	5.6	4.9	6.0	3.8	5.7	5.6	5.4	4.5	4.7	4.9	6.3
150	4.9	4.2	3.9	4.0	2.3	3.2	2.9	3.4	2.8	3.4	3.4	5.4
100	5.3	3.7	4.1	4.0	2.5	2.7	2.4	2.7	2.2	2.9	3.3	5.5

GLASGOW, MONTANA, WBAS

ELEVATION 648 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	760	720	800	700	700	680	640	660	700	700	750	720
	MIN	380	360	260	310	340	370	400	410	390	360	360	290
850	MAX	1581	1590	1635	1568	1614	1592	1596	1586	1608	1598	1607	1606
	MIN	1250	1246	1256	1259	1271	1325	1381	1375	1350	1300	1264	1189
700	MAX	3097	3163	3101	3141	3194	3196	3207	3244	3204	3182	3188	3146
	MIN	2713	2745	2762	2836	2861	2916	2990	2993	2911	2847	2785	2764
500	MAX	5693	5801	5695	5769	5826	5880	5942	5943	5895	5864	5835	5759
	MIN	5124	5177	5157	5301	5411	5511	5571	5586	5429	5355	5172	5186
300	MAX	9315	9447	9285	9431	9537	9617	9746	9680	9651	9595	9480	9430
	MIN	8414	8482	8587	8670	8923	9064	9168	9205	8918	8777	8571	8537
200	MAX	11896	12028	11876	12057	12196	12319	12479	12413	12363	12264	12111	12053
	MIN	10985	11090	11229	11223	11549	11690	11866	11916	11564	11448	11238	11148
150	MAX	13616	13824	13694	13855	13965	14142	14285	14227	14169	14090	13915	13878
	MIN	12799	12986	13092	13089	13411	13564	13782	13801	13454	13314	13155	13016
100	MAX	16173	16361	16180	16417	16513	16622	16760	16742	16657	16551	16322	16381
	MIN	15340	15561	15709	15728	16060	16223	16425	16369	16107	15919	15786	15636

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	77	68	76	64	61	51	45	45	56	68	70	74
850	63	59	60	55	55	47	40	38	49	59	63	68
700	70	67	61	59	58	49	45	38	56	64	76	76
500	113	110	100	96	86	70	66	52	94	105	124	115
300	180	169	152	157	131	109	104	79	150	167	194	173
200	164	157	128	150	127	115	119	92	154	171	189	167
150	148	138	112	125	103	94	103	81	134	153	160	153
100	143	135	94	108	90	71	69	64	104	122	125	133

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX												
	MIN												
850	MAX	12	14	16	23	27	25	29	31	27	23	17	13
	MIN	33-	30-	32-	16-	11-	0	6	3	7-	9-	25-	28-
700	MAX	2	4	2	8	12	11	15	15	13	9	5	6
	MIN	33-	29-	36-	21-	17-	10-	4-	5-	14-	19-	28-	29-
500	MAX	16-	15-	15-	12-	9-	6-	5-	6-	6-	7-	12-	12-
	MIN	46-	41-	43-	38-	29-	24-	20-	18-	29-	36-	40-	41-
300	MAX	43-	41-	42-	39-	37-	33-	31-	30-	34-	35-	32-	41-
	MIN	62-	60-	59-	59-	55-	53-	49-	47-	53-	56-	57-	59-
200	MAX	41-	41-	44-	43-	40-	43-	42-	44-	42-	43-	40-	43-
	MIN	70-	70-	69-	68-	68-	64-	62-	63-	63-	65-	68-	69-
150	MAX	44-	43-	45-	47-	46-	45-	47-	47-	46-	46-	45-	43-
	MIN	70-	72-	64-	63-	65-	65-	66-	66-	64-	69-	68-	72-
100	MAX	47-	43-	48-	48-	50-	48-	51-	48-	50-	49-	46-	45-
	MIN	66-	66-	62-	62-	62-	65-	64-	67-	67-	68-	68-	77-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950												
850	10.1	9.2	8.6	7.6	6.3	4.9	4.9	5.0	6.8	7.4	8.7	8.4
700	6.6	6.3	6.5	6.1	5.2	4.0	4.3	3.7	5.6	6.1	6.8	6.2
500	6.0	5.4	5.5	5.3	4.2	3.4	2.8	2.2	4.7	5.3	6.2	5.6
300	3.6	3.4	3.1	3.5	3.4	3.1	3.3	2.6	3.3	3.9	3.8	3.4
200	5.9	6.5	5.5	5.7	5.8	4.7	3.7	3.5	4.5	4.8	5.6	5.9
150	4.2	4.5	3.4	3.5	3.8	3.9	4.0	3.3	4.2	4.2	4.9	4.3
100	3.5	4.2	3.4	2.9	2.5	3.3	3.0	2.9	3.6	3.9	4.2	4.2

GRAND JUNCTION, COLORADO, WBO

ELEVATION 1474 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	770	790	730	700	660	600	610	590	630	700	750	780
	MIN	390	410	380	380	340	390	400	440	380	370	410	340
850	MAX	1642	1627	1632	1608	1575	1544	1594	1557	1574	1629	1631	1650
	MIN	1298	1320	1313	1298	1317	1355	1395	1428	1368	1345	1354	1251
700	MAX	3184	3202	3164	3197	3220	3222	3246	3243	3240	3225	3236	3215
	MIN	2844	2868	2865	2868	2916	3016	3086	3093	3031	2967	2912	2803
500	MAX	5832	5830	5788	5836	5908	6000	5980	5990	5973	5950	5908	5858
	MIN	5301	5352	5344	5417	5470	5607	5792	5796	5708	5530	5344	5327
300	MAX	9551	9477	9422	9513	9613	9816	9822	9808	9755	9719	9593	9535
	MIN	8730	8762	8797	8885	8997	9186	9517	9512	9355	9057	8831	8784
200	MAX	12203	12095	12051	12172	12285	12544	12576	12590	12472	12426	12254	12173
	MIN	11403	11412	11465	11540	11655	11859	12178	12186	12013	11723	11520	11455
150	MAX	14029	13947	13835	13982	14070	14326	14378	14394	14272	14235	14057	13942
	MIN	13294	13300	13293	13418	13538	13746	13980	14019	13843	13615	13395	13332
100	MAX	16476	16448	16360	16460	16548	16780	16795	16806	16725	16612	16467	16422
	MIN	15940	15918	15850	16014	16149	16342	16494	16524	16366	16171	16019	15969

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	70	66	63	58	51	42	35	27	40	54	66	71
850	65	59	57	52	45	34	30	22	36	47	61	66
700	68	67	60	57	48	39	28	24	39	53	72	70
500	103	109	89	86	75	66	34	34	56	83	118	106
300	154	163	136	127	121	105	56	54	80	121	176	162
200	152	150	123	122	126	121	73	72	93	130	179	154
150	126	128	101	102	102	112	71	68	85	120	153	125
100	100	101	81	87	76	88	57	51	70	93	104	97

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	MAX	9	11	20	24	26	32	32	32	31	22	14	13
	MIN	15-	15-	6-	0	3	8	18	15	10	1	8-	12-
700	MAX	5	5	5	11	17	22	19	20	18	14	9	4
	MIN	24-	25-	19-	11-	7-	2-	7	6	1	10-	19-	17-
500	MAX	11-	13-	14-	11-	8-	3-	3-	2-	4-	5-	9-	9-
	MIN	36-	35-	34-	31-	27-	20-	12-	12-	17-	30-	34-	34-
300	MAX	34-	41-	39-	39-	36-	32-	29-	27-	32-	31-	29-	37-
	MIN	58-	56-	56-	54-	53-	49-	40-	41-	45-	50-	54-	56-
200	MAX	42-	45-	42-	43-	40-	43-	48-	48-	46-	43-	44-	42-
	MIN	68-	68-	69-	66-	65-	63-	58-	58-	64-	63-	66-	66-
150	MAX	45-	46-	44-	49-	46-	47-	55-	55-	51-	51-	46-	44-
	MIN	68-	65-	64-	68-	70-	68-	70-	69-	71-	74-	71-	78-
100	MAX	51-	51-	51-	52-	50-	54-	59-	57-	57-	55-	52-	51-
	MIN	73-	71-	66-	68-	70-	71-	73-	72-	72-	74-	74-	75-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	4.6	5.9	4.9	4.7	5.0	5.3	3.2	3.4	4.1	4.7	5.3	4.6
700	5.0	5.5	5.0	5.0	4.9	4.5	2.4	2.6	3.4	4.9	6.0	5.1
500	4.7	4.8	4.1	3.8	3.5	3.1	1.6	1.8	2.4	3.8	5.2	5.0
300	3.6	3.0	3.0	2.9	3.1	3.0	2.4	2.6	2.4	3.0	3.8	3.5
200	6.0	6.1	6.0	5.1	4.8	3.4	2.0	1.8	2.9	3.8	4.9	5.6
150	4.3	4.1	3.9	3.6	4.6	4.0	2.8	3.0	3.0	3.5	5.0	5.3
100	4.4	4.6	3.5	3.2	3.6	3.4	2.9	2.8	2.9	3.6	4.8	4.2

GREAT FALLS, MONTANA, WBAS

ELEVATION 1123 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	760	740	770	690	700	690	670	670	690	710	790	740
	MIN	310	360	340	350	390	370	430	430	390	380	380	300
850	MAX	1600	1603	1628	1587	1630	1610	1588	1582	1593	1597	1611	1615
	MIN	1204	1248	1249	1283	1288	1350	1385	1398	1344	1311	1280	1209
700	MAX	3145	3184	3125	3143	3188	3212	3221	3231	3208	3192	3192	3195
	MIN	2741	2755	2756	2867	2840	2953	2976	2986	2940	2865	2805	2746
500	MAX	5752	5833	5690	5780	5826	5900	5926	5931	5906	5886	5851	5817
	MIN	5094	5209	5188	5337	5424	5505	5534	5591	5476	5323	5190	5206
300	MAX	9362	9467	9263	9437	9490	9600	9719	9692	9674	9602	9515	9472
	MIN	8397	8525	8597	8715	8871	9027	9084	9237	8925	8763	8597	8599
200	MAX	11931	12050	11863	12048	12146	12274	12456	12403	12376	12267	12148	12084
	MIN	11119	11164	11240	11283	11524	11716	11794	11920	11573	11439	11240	11200
150	MAX	13676	13871	13666	13853	13938	14077	14260	14212	14173	14093	13929	13890
	MIN	12956	13064	13121	13123	13413	13578	13703	13788	13467	13288	13127	13049
100	MAX	16276	16371	16170	16368	16453	16615	16749	16725	16685	16582	16378	16376
	MIN	15608	15670	15705	15734	16045	16226	16356	16397	16127	15932	15793	15657

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	78	70	74	62	57	49	39	40	53	66	71	76
850	68	61	61	55	51	44	36	34	46	59	64	72
700	79	70	63	59	56	49	43	38	55	66	77	82
500	128	113	98	96	84	74	66	56	94	107	128	120
300	193	173	150	156	131	115	103	83	149	164	199	179
200	165	158	129	147	128	121	114	96	153	168	198	173
150	147	139	113	121	102	101	97	84	133	154	169	155
100	117	127	96	104	84	80	66	63	106	120	124	145

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	MAX	10	15	15	23	24	26	31	30	29	23	16	15
	MIN	35-	27-	30-	17-	10-	2-	5	5	4-	10-	26-	29-
700	MAX	1	5	1	8	10	13	17	16	15	10	5	5
	MIN	33-	27-	32-	20-	19-	9-	5-	3-	14-	17-	33-	24-
500	MAX	14-	13-	16-	12-	10-	6-	5-	7-	5-	8-	11-	12-
	MIN	45-	40-	42-	38-	30-	27-	24-	20-	31-	34-	44-	40-
300	MAX	43-	42-	44-	40-	38-	33-	31-	31-	34-	35-	31-	41-
	MIN	61-	59-	61-	59-	55-	52-	48-	47-	55-	56-	59-	59-
200	MAX	41-	42-	43-	42-	41-	43-	42-	42-	43-	45-	43-	42-
	MIN	71-	71-	68-	68-	69-	64-	61-	62-	64-	66-	67-	70-
150	MAX	45-	43-	45-	45-	46-	45-	45-	47-	47-	47-	46-	45-
	MIN	70-	70-	66-	63-	67-	68-	66-	65-	68-	70-	72-	74-
100	MAX	47-	44-	46-	48-	50-	50-	50-	49-	50-	49-	47-	44-
	MIN	71-	67-	65-	64-	64-	65-	66-	65-	68-	68-	69-	66-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	11.1	8.8	8.8	7.1	5.9	5.1	5.0	4.9	7.0	7.2	8.5	8.3
700	6.9	6.0	5.8	5.7	4.9	4.2	4.1	3.7	5.7	6.1	6.8	5.9
500	6.5	5.6	5.4	5.1	4.1	3.6	2.9	2.3	4.7	5.4	6.5	5.8
300	3.6	3.1	2.9	3.4	3.3	3.3	2.9	2.4	3.3	3.7	4.1	3.6
200	6.4	6.9	5.8	6.2	5.5	4.8	3.8	3.7	4.3	4.8	5.7	5.8
150	4.4	4.6	3.6	4.0	3.8	3.9	4.2	3.4	4.3	4.2	5.2	4.6
100	3.5	4.9	3.4	3.0	2.6	3.0	3.2	2.8	3.7	4.1	4.5	4.1

GREENSBORO, NORTH CAROLINA, WBO

ELEVATION 273 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	710	740	740	730	730	680	700	700	720	720	730	730
	MIN	400	430	380	410	460	460	530	460	480	450	440	430
850	MAX	1620	1627	1619	1632	1662	1630	1642	1641	1661	1632	1638	1646
	MIN	1332	1310	1311	1344	1388	1393	1481	1415	1426	1367	1298	1353
700	MAX	3222	3191	3185	3228	3256	3261	3274	3284	3278	3249	3217	3211
	MIN	2841	2741	2774	2908	2947	2967	3084	3060	3016	2929	2755	2847
500	MAX	5895	5853	5856	5867	5905	5989	5988	6006	5983	5948	5872	5872
	MIN	5289	5168	5221	5397	5495	5560	5717	5733	5680	5484	5241	5306
300	MAX	9630	9558	9555	9615	9656	9799	9823	9808	9774	9757	9618	9601
	MIN	8798	8681	8668	8922	9092	9156	9392	9406	9342	9052	8802	8758
200	MAX	12300	12199	12225	12311	12350	12547	12582	12554	12524	12503	12277	12278
	MIN	11480	11299	11352	11598	11776	11889	12024	12074	12073	11714	11578	11479
150	MAX	14063	13970	14015	14074	14131	14343	14390	14367	14345	14312	14036	14083
	MIN	13367	13173	13230	13483	13624	13763	13864	13881	13859	13585	13461	13390
100	MAX	16512	16449	16512	16476	16595	16746	16795	16792	16812	16685	16483	16525
	MIN	15928	15927	15852	16088	16194	16318	16408	16425	16350	16163	16048	15956

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	56	64	52	56	41	35	31	31	40	50	54	56
850	60	66	54	57	43	36	30	31	37	51	58	56
700	82	85	73	71	54	45	34	35	40	63	77	74
500	124	124	112	98	77	63	45	44	51	87	114	114
300	179	167	165	136	113	100	74	68	78	128	157	157
200	176	162	162	135	124	121	93	88	94	143	153	159
150	153	150	144	110	107	115	87	87	91	134	133	139
100	118	104	116	86	81	82	58	64	71	107	100	116

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	18	18	22	24	28	31	31	30	31	28	22	18
	MIN	12-	12-	7-	1-	2	12	10	12	6	1	11-	8-
850	MAX	19	13	16	18	22	24	24	22	23	20	17	15
	MIN	20-	20-	15-	8-	1	5	9	9	2	7-	14-	15-
700	MAX	8	8	9	9	12	13	13	11	11	11	8	8
	MIN	24-	24-	20-	15-	9-	7-	1-	1-	4-	11-	20-	20-
500	MAX	7-	10-	8-	9-	6-	4-	3-	2-	3-	3-	6-	8-
	MIN	34-	35-	34-	31-	24-	20-	15-	14-	16-	23-	31-	33-
300	MAX	32-	37-	36-	34-	34-	30-	28-	26-	29-	30-	28-	26-
	MIN	54-	52-	52-	51-	47-	44-	45-	42-	43-	48-	51-	52-
200	MAX	42-	42-	41-	42-	45-	44-	48-	46-	47-	44-	41-	43-
	MIN	66-	68-	66-	67-	64-	62-	61-	59-	62-	64-	66-	67-
150	MAX	47-	47-	47-	49-	51-	51-	54-	54-	56-	49-	48-	46-
	MIN	74-	70-	72-	70-	72-	73-	72-	72-	71-	70-	71-	71-
100	MAX	53-	53-	54-	52-	55-	57-	57-	58-	56-	55-	52-	51-
	MIN	73-	71-	72-	72-	72-	75-	74-	71-	73-	79-	74-	76-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	6.6	6.4	6.6	5.2	4.4	3.6	3.0	2.8	4.0	4.6	6.0	6.1
850	6.3	6.1	6.5	5.0	3.8	3.3	2.7	2.4	3.5	4.3	5.8	6.2
700	5.4	5.2	5.3	4.2	3.4	2.9	2.1	2.2	2.3	3.8	5.2	5.2
500	4.9	4.4	4.6	3.5	3.0	2.6	2.2	2.0	2.3	3.5	4.4	4.8
300	3.5	3.1	3.4	2.9	2.9	3.0	2.7	2.8	2.8	3.5	3.8	3.7
200	5.6	5.5	5.3	4.6	3.5	2.7	2.1	2.2	2.5	3.3	4.6	4.9
150	5.0	3.9	4.2	4.4	4.6	4.3	2.8	3.0	2.8	3.8	4.5	4.5
100	4.6	3.9	3.8	3.4	3.3	3.9	3.0	2.6	2.7	4.2	4.2	4.7

HATTERAS, NORTH CAROLINA, WBO

ELEVATION 3 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	710	740	750	710	740	680	690	680	700	700	710	750
	MIN	430	400	390	460	440	470	520	270	320	430	430	450
850	MAX	1643	1639	1611	1629	1623	1622	1638	1629	1646	1631	1632	1643
	MIN	1326	1287	1284	1373	1387	1398	1489	1213	1265	1377	1322	1340
700	MAX	3248	3214	3204	3223	3215	3244	3262	3264	3264	3244	3222	3211
	MIN	2840	2765	2762	2916	2976	2983	3112	2862	2906	2942	2814	2856
500	MAX	5910	5876	5876	5877	5899	5958	5971	5971	5959	5930	5893	5870
	MIN	5293	5167	5208	5426	5572	5595	5783	5604	5654	5496	5350	5324
300	MAX	9639	9569	9573	9625	9650	9784	9798	9790	9766	9724	9681	9584
	MIN	8788	8622	8711	8927	9158	9235	9437	9367	9426	9095	8939	8831
200	MAX	12298	12212	12226	12321	12368	12526	12552	12591	12503	12461	12373	12240
	MIN	11516	11309	11423	11611	11851	11898	12094	12096	12071	11822	11579	11528
150	MAX	14048	14042	14012	14104	14151	14322	14348	14421	14299	14263	14165	14020
	MIN	13380	13235	13325	13495	13662	13769	13955	13968	13852	13693	13423	13355
100	MAX	16510	16437	16516	16459	16622	16740	16738	16832	16729	16657	16492	16469
	MIN	15960	15963	16001	16101	16214	16336	16470	16495	16412	16233	15991	15926

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	60	66	56	57	42	35	27	36	42	50	52	54
850	66	69	58	57	42	36	27	37	40	50	54	56
700	85	86	77	69	50	45	29	39	41	58	69	74
500	122	120	114	94	69	62	36	44	46	75	100	110
300	165	168	164	133	106	98	54	62	64	112	140	156
200	160	169	166	133	118	118	69	75	79	127	146	163
150	139	145	149	103	102	115	68	74	78	117	133	147
100	114	110	111	80	79	84	47	62	60	90	98	114

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	20	21	22	23	28	28	29	29	27	26	21	20
	MIN	8-	9-	4-	1	5	11	15	14	8	1	6-	7-
850	MAX	16	13	18	20	21	21	23	22	21	19	17	15
	MIN	13-	16-	10-	6-	2	5	9	10	2	6-	12-	14-
700	MAX	9	7	8	10	10	11	11	11	12	11	9	7
	MIN	16-	25-	19-	15-	6-	5-	1	0	0	7-	15-	18-
500	MAX	8-	8-	9-	9-	6-	4-	2-	1-	2-	3-	5-	8-
	MIN	31-	36-	33-	28-	23-	19-	13-	15-	15-	27-	26-	29-
300	MAX	32-	37-	35-	34-	32-	30-	29-	25-	26-	29-	29-	27-
	MIN	52-	52-	53-	50-	48-	48-	42-	43-	42-	47-	51-	52-
200	MAX	39-	44-	40-	45-	45-	48-	49-	45-	49-	46-	45-	43-
	MIN	67-	67-	66-	66-	63-	64-	59-	59-	61-	62-	66-	65-
150	MAX	47-	48-	47-	48-	50-	51-	53-	52-	58-	51-	52-	50-
	MIN	71-	68-	69-	71-	74-	71-	72-	69-	70-	69-	72-	72-
100	MAX	55-	54-	54-	53-	55-	57-	60-	55-	60-	58-	56-	53-
	MIN	75-	71-	73-	68-	69-	73-	75-	73-	73-	77-	74-	77-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	6.5	6.1	6.0	4.6	3.5	3.2	2.2	2.3	2.9	3.8	5.6	6.4
850	5.6	5.6	6.0	4.6	3.3	3.0	2.1	2.3	2.8	3.9	5.3	5.8
700	4.8	4.9	5.2	4.1	2.9	2.6	1.6	1.7	1.8	3.1	4.4	4.9
500	4.3	4.3	4.4	3.4	2.8	2.5	1.6	1.9	2.0	3.3	4.0	4.3
300	3.2	3.2	3.2	3.1	3.0	2.9	2.1	2.5	2.5	3.5	3.6	3.6
200	5.6	5.1	5.4	4.7	3.1	2.5	1.9	2.3	2.1	2.8	3.9	4.5
150	4.7	3.7	4.0	4.5	4.7	3.9	3.0	3.0	2.5	3.3	4.2	4.5
100	4.2	3.6	3.9	3.3	3.1	3.7	2.7	2.8	2.6	3.9	3.6	4.5

HAVANA, CUBA, WBO

ELEVATION 49 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	660	680	650	640	620	640	640	640	620	620	640	660
	MIN	530	520	530	520	540	550	560	530	470	380	540	550
850	MAX	1601	1619	1605	1586	1574	1598	1604	1607	1591	1573	1578	1586
	MIN	1473	1466	1483	1482	1493	1501	1513	1498	1427	1334	1489	1481
700	MAX	3228	3246	3232	3218	3230	3240	3242	3252	3241	3210	3212	3218
	MIN	3075	3068	3060	3092	3116	3127	3134	3137	3067	2974	3105	3063
500	MAX	5954	5971	5964	5923	5971	5962	5977	5950	5952	5940	5946	5940
	MIN	5722	5722	5719	5769	5783	5804	5827	5849	5794	5691	5787	5692
300	MAX	9726	9746	9726	9712	9824	9765	9823	9788	9779	9755	9757	9747
	MIN	9436	9431	9412	9484	9489	9553	9552	9615	9577	9522	9497	9414
200	MAX	12442	12461	12461	12414	12590	12495	12513	12550	12536	12512	12483	12472
	MIN	12120	12084	12065	12125	12130	12216	12229	12295	12283	12259	12156	12079
150	MAX	14245	14270	14266	14215	14394	14297	14315	14359	14349	14312	14279	14264
	MIN	13878	13873	13938	13923	13898	13980	13988	14057	14085	14031	13925	13860
100	MAX	16655	16708	16678	16661	16687	16722	16759	16761	16733	16675	16610	16699
	MIN	16326	16263	16379	16348	16424	16459	16484	16485	16462	16458	16308	16288

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	21	27	18	20	15	16	13	15	21	27	17	19
850	21	27	19	21	16	19	15	17	21	26	17	19
700	26	31	24	21	20	21	17	18	22	26	20	24
500	39	46	34	29	28	25	20	21	24	30	32	37
300	57	65	50	48	50	38	32	34	35	42	50	57
200	67	77	64	60	69	53	45	51	49	52	60	67
150	70	81	63	57	75	53	51	58	53	52	63	67
100	63	80	58	55	50	50	41	55	50	44	55	69

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	22	24	24	24	27	26	27	26	26	25	24	23
	MIN	9	8	13	11	17	20	21	20	20	17	12	12
850	MAX	18	18	19	20	21	20	22	20	21	19	19	18
	MIN	1	1	4	2	11	14	14	15	15	9	5	4
700	MAX	13	13	13	13	12	10	11	12	12	12	12	12
	MIN	2	0	0	1	3	5	5	6	3	1	0	0
500	MAX	4-	4-	3-	4-	3-	4-	3-	3-	2-	3-	2-	4-
	MIN	15-	16-	14-	13-	14-	10-	11-	10-	10-	11-	12-	14-
300	MAX	30-	31-	31-	31-	28-	29-	29-	28-	28-	28-	30-	32-
	MIN	41-	43-	44-	42-	41-	38-	39-	38-	37-	41-	40-	42-
200	MAX	46-	48-	47-	47-	49-	48-	51-	51-	49-	50-	51-	51-
	MIN	62-	61-	65-	60-	61-	59-	59-	61-	60-	60-	60-	61-
150	MAX	58-	55-	55-	57-	59-	56-	61-	61-	63-	62-	59-	60-
	MIN	70-	70-	71-	71-	74-	73-	72-	72-	72-	73-	73-	73-
100	MAX	66-	67-	68-	63-	67-	67-	64-	65-	66-	69-	66-	68-
	MIN	80-	79-	81-	78-	78-	76-	77-	78-	81-	82-	80-	80-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	2.3	2.4	2.2	1.9	1.4	1.1	.9	1.0	1.0	1.3	2.1	2.2
850	2.4	2.6	2.0	2.0	1.4	1.1	1.1	1.1	1.0	1.7	2.3	2.5
700	2.2	2.5	2.3	1.9	1.6	1.1	1.1	1.2	1.3	1.6	1.8	2.3
500	2.1	2.3	1.8	1.9	1.7	1.2	1.2	1.3	1.3	1.6	1.8	1.8
300	1.7	2.0	2.1	2.0	2.1	1.6	1.6	1.7	1.6	1.8	1.7	1.7
200	2.8	2.6	2.9	2.1	2.0	1.8	1.6	1.7	1.7	1.6	1.4	1.7
150	2.4	2.4	2.7	3.0	2.5	2.6	2.2	1.9	1.7	2.0	2.0	2.6
100	2.4	2.4	2.5	2.6	2.4	2.0	2.0	2.4	2.5	2.3	2.3	2.4

INTERNATIONAL FALLS, MINNESOTA, WBO

ELEVATION 360 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	770	730	780	700	710	640	660	680	730	710	710	710
	MIN	343	360	350	330	230	390	390	410	370	300	310	280
850	MAX	1596	1579	1630	1558	1599	1595	1612	1609	1635	1594	1592	1551
	MIN	1193	1230	1218	1238	1139	1321	1337	1353	1264	1216	1191	1142
700	MAX	3051	3073	3110	3166	3187	3196	3221	3229	3246	3162	3140	3042
	MIN	2640	2691	2694	2772	2699	2888	2961	2954	2797	2770	2692	2666
500	MAX	5569	5674	5673	5818	5858	5870	5937	5945	5923	5794	5752	5618
	MIN	4988	5078	5038	5177	5273	5440	5559	5529	5372	5236	5117	5074
300	MAX	143	9232	9274	9493	9578	9663	9730	9757	9648	9503	9409	9212
	MIN	8394	8449	8445	8543	8698	8964	9165	9098	8894	8683	8499	8408
200	MAX	11728	11779	11886	12139	12224	12373	12488	12560	12367	12160	12039	11817
	MIN	11037	11099	11084	11138	11429	11675	11795	11735	11577	11360	11181	11044
150	MAX	13580	13568	13714	13876	14011	14158	14267	14442	14179	13951	13740	13638
	MIN	12957	12944	12936	13014	13413	13582	13678	13652	13465	13234	13063	12900
100	MAX	16211	16180	16258	16381	16531	16650	16757	16709	16663	16405	16252	16248
	MIN	15478	15526	15643	15656	16079	16199	16331	16329	16102	15851	15680	15499

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	72	69	69	58	56	52	45	43	62	64	76	74
850	62	64	65	58	56	50	42	41	59	61	74	66
700	68	77	76	73	70	55	50	49	73	77	88	75
500	107	120	118	116	107	78	75	74	111	123	131	112
300	153	167	170	171	159	122	120	122	165	181	190	164
200	137	141	151	156	148	129	138	143	167	174	173	151
150	132	130	140	132	117	111	115	119	143	153	139	147
100	133	132	114	115	95	86	81	73	115	130	112	150

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	1	3	17	28	26	27	29	30	25	24	14	5
	MIN	34-	31-	28-	18-	7-	3	7	8	0	7-	22-	31-
850	MAX	10	5	13	20	19	20	21	24	23	21	12	8
	MIN	34-	30-	30-	23-	11-	2-	1	0	7-	14-	22-	28-
700	MAX	1-	1-	1	6	9	11	13	15	11	9	2	1
	MIN	33-	31-	30-	28-	19-	10-	7-	8-	18-	23-	31-	32-
500	MAX	18-	18-	15-	12-	9-	6-	3-	3-	7-	8-	12-	16-
	MIN	45-	43-	42-	39-	35-	28-	22-	22-	31-	36-	41-	46-
300	MAX	41-	39-	43-	39-	36-	31-	30-	27-	31-	34-	37-	40-
	MIN	61-	63-	60-	61-	53-	53-	48-	49-	54-	57-	58-	60-
200	MAX	39-	39-	43-	40-	42-	38-	41-	41-	41-	39-	39-	40-
	MIN	68-	68-	70-	66-	67-	62-	62-	61-	62-	66-	68-	66-
150	MAX	42-	41-	44-	44-	43-	44-	46-	47-	45-	44-	43-	42-
	MIN	65-	62-	62-	68-	69-	65-	68-	65-	68-	65-	64-	65-
100	MAX	48-	44-	47-	46-	45-	50-	50-	51-	48-	45-	47-	44-
	MIN	65-	64-	60-	60-	63-	65-	63-	65-	65-	64-	63-	71-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	7.6	7.4	7.1	7.0	6.6	4.5	4.0	4.0	5.3	6.3	7.0	7.3
850	7.7	7.4	7.3	7.2	6.4	4.6	4.0	4.6	6.1	7.2	7.4	7.2
700	6.5	6.3	6.4	6.0	5.3	4.2	4.0	4.1	5.6	6.4	6.5	6.5
500	5.5	5.5	5.5	5.2	4.8	3.8	3.5	3.5	4.5	5.3	5.8	5.5
300	3.5	3.5	2.9	3.6	3.5	3.7	3.7	3.7	3.7	3.6	3.4	3.4
200	5.3	5.9	5.2	5.9	6.0	4.7	3.9	3.6	4.7	5.2	5.5	5.5
150	4.0	4.2	3.4	4.1	4.2	4.2	4.2	3.9	4.6	4.2	4.1	4.2
100	3.1	4.2	3.0	3.2	2.9	3.1	3.2	3.2	3.3	3.4	3.5	3.7

JUNEAU, ALASKA, WBAS

ELEVATION 6 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	740	740	660	690	690	680	690	680	700	690	730	670
	MIN	170	310	210	290	400	360	440	410	280	260	120	200
850	MAX	1599	1596	1547	1578	1585	1583	1580	1588	1609	1582	1614	1537
	MIN	1040	1152	1066	1183	1286	1269	1351	1315	1172	1148	996	1072
700	MAX	3097	3125	3088	3097	3139	3164	3204	3179	3199	3125	3148	3043
	MIN	2516	2566	2550	2712	2781	2804	2897	2858	2709	2645	2519	2562
500	MAX	5686	5736	5631	5660	5763	5802	5901	5865	5878	5749	5720	5631
	MIN	4901	4923	4989	5178	5219	5359	5431	5399	5233	5109	5028	5046
300	MAX	9350	9343	9212	9284	9419	9518	9640	9624	9645	9450	9425	9197
	MIN	8263	8252	8389	8514	8661	8862	8938	8920	8666	8523	8406	8435
200	MAX	11936	11894	11793	11859	12044	12148	12309	12318	12328	12091	12041	11749
	MIN	10892	10949	11081	11210	11292	11546	11557	11618	11310	11120	11131	10959
150	MAX	13533	13611	13625	13667	13861	14013	14086	14027	14104	13868	13771	13541
	MIN	12728	12819	12979	13120	13183	13430	13452	13512	13219	13005	13047	12769
100	MAX	16063	16140	16252	16259	16431	16613	16621	16631	16640	16374	16246	16126
	MIN	15290	15602	15590	15760	15913	16060	16105	16182	15921	15733	15725	15392

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	107	91	81	72	55	55	45	49	77	94	97	98
850	107	93	82	71	57	53	46	53	80	94	97	95
700	117	107	91	74	70	64	58	66	94	97	106	96
500	160	148	132	105	110	94	85	100	136	125	147	125
300	218	204	192	158	169	140	133	155	215	192	216	177
200	193	163	169	127	156	126	123	153	224	196	188	165
150	158	128	154	111	132	103	99	118	195	166	148	161
100	149	122	154	107	115	93	83	103	167	122	112	160

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	4	8	10	13	22	25	22	22	19	12	10	5
	MIN	24-	26-	21-	8-	1-	2	5	5	1	4-	19-	21-
850	MAX	1	7	5	5	16	18	15	17	14	5	5	1
	MIN	31-	29-	28-	15-	8-	4-	1-	1-	3-	11-	21-	28-
700	MAX	5-	0	1-	1-	4	8	8	8	7	2	1	2-
	MIN	37-	36-	31-	23-	19-	14-	10-	13-	13-	18-	26-	31-
500	MAX	15-	16-	15-	15-	13-	10-	8-	6-	8-	11-	12-	19-
	MIN	48-	48-	45-	42-	35-	29-	27-	28-	32-	36-	44-	42-
300	MAX	42-	43-	43-	44-	38-	36-	36-	35-	34-	38-	40-	37-
	MIN	61-	62-	63-	59-	59-	53-	54-	53-	57-	63-	59-	64-
200	MAX	41-	38-	38-	40-	41-	40-	41-	41-	43-	42-	40-	38-
	MIN	72-	72-	67-	66-	66-	64-	64-	62-	64-	66-	70-	70-
150	MAX	42-	42-	40-	41-	42-	40-	42-	42-	44-	44-	42-	40-
	MIN	66-	66-	61-	65-	61-	59-	61-	67-	65-	65-	68-	68-
100	MAX	43-	43-	41-	42-	44-	43-	43-	43-	44-	44-	42-	44-
	MIN	62-	60-	61-	59-	58-	56-	58-	58-	60-	60-	62-	67-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	6.6	5.9	3.9	2.9	4.2	4.8	4.3	3.7	3.2	3.1	5.1	5.7
850	6.5	5.8	4.4	3.2	4.4	4.7	3.8	3.8	3.6	3.2	5.0	5.3
700	5.8	5.2	4.8	4.1	4.8	4.3	3.5	3.9	4.7	3.9	5.4	4.5
500	6.4	5.7	5.8	5.3	5.0	4.0	3.7	4.3	5.5	5.2	6.3	5.5
300	4.2	3.2	3.6	2.8	3.7	3.2	3.6	3.9	4.9	4.8	4.0	4.0
200	7.3	6.5	5.8	5.4	5.6	6.2	5.2	5.5	5.3	5.1	6.0	5.8
150	4.9	4.9	3.9	3.7	3.5	3.5	3.2	4.4	4.5	4.4	4.1	4.7
100	4.3	4.0	3.6	3.7	2.7	2.5	2.7	2.9	3.4	3.2	4.5	4.5

KOTZEBUE, ALASKA, WBO

ELEVATION 5 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	740	760	770	740	680	700	670	650	710	700	740	730
	MIN	260	210	240	290	330	380	360	280	300	200	210	240
850	MAX	1599	1591	1591	1626	1564	1613	1590	1555	1602	1565	1584	1593
	MIN	1059	1061	1084	1150	1229	1284	1268	1192	1203	1060	1080	1078
700	MAX	3133	3060	3133	3169	3112	3215	3195	3136	3162	3143	3090	3105
	MIN	2480	2538	2506	2626	2725	2807	2802	2733	2704	2552	2525	2505
500	MAX	5687	5582	5706	5757	5688	5883	5838	5803	5771	5773	5608	5608
	MIN	4836	4851	4845	5021	5111	5296	5331	5244	5115	5002	4911	4880
300	MAX	9259	9109	9298	9334	9316	9592	9518	9560	9422	9426	9232	9214
	MIN	8211	8180	8290	8410	8489	8760	8854	8757	8560	8346	8307	8170
200	MAX	11817	11687	11865	11881	11983	12238	12162	12248	12070	12018	11875	11862
	MIN	10844	10798	10940	11018	11169	11458	11624	11430	11222	10931	11000	10710
150	MAX	13592	13398	13674	13702	13853	14019	13963	14051	13883	13795	13697	13625
	MIN	12701	12650	12733	12870	13102	13364	13604	13364	13129	12869	12870	12683
100	MAX	16131	16056	16302	16313	16438	16552	16649	16646	16523	16336	16232	16113
	MIN	15341	15237	15264	15452	15851	16046	16297	16082	15800	15451	15558	15281

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	103	93	95	87	61	52	52	63	68	84	92	94
850	110	98	99	92	62	56	56	65	66	87	90	95
700	128	112	113	104	73	67	66	73	71	97	95	103
500	172	147	152	136	106	94	88	99	94	130	120	133
300	223	189	192	181	150	136	126	146	138	183	161	181
200	199	155	165	158	133	118	108	135	132	173	142	172
150	183	143	156	151	122	98	85	113	125	158	136	168
100	162	167	168	149	108	84	71	99	124	144	128	175

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	3	6	2	6	16	24	22	19	14	8	6	1-
	MIN	37-	36-	31-	25-	15-	2-	0	1-	6-	15-	25-	31-
850	MAX	2	5	3	4	11	15	13	13	8	8	0	0
	MIN	34-	35-	31-	23-	18-	8-	4-	6-	13-	19-	27-	34-
700	MAX	2-	4-	4-	2-	1	4	3	4	0-	1	2-	3-
	MIN	36-	36-	37-	28-	24-	16-	10-	16-	22-	26-	31-	35-
500	MAX	17-	19-	20-	17-	14-	9-	10-	8-	15-	13-	17-	18-
	MIN	45-	48-	47-	41-	40-	34-	27-	31-	36-	43-	43-	46-
300	MAX	44-	42-	40-	42-	39-	37-	36-	35-	38-	42-	42-	38-
	MIN	62-	64-	63-	61-	58-	54-	51-	54-	57-	61-	63-	65-
200	MAX	38-	40-	38-	42-	39-	37-	37-	39-	40-	42-	39-	40-
	MIN	69-	70-	67-	69-	62-	62-	63-	63-	63-	69-	71-	70-
150	MAX	39-	39-	40-	39-	40-	38-	38-	39-	42-	43-	43-	41-
	MIN	64-	66-	60-	64-	53-	60-	56-	57-	58-	64-	61-	69-
100	MAX	36-	38-	36-	38-	39-	38-	39-	41-	41-	42-	42-	40-
	MIN	65-	63-	59-	60-	53-	55-	52-	53-	56-	62-	58-	72-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	8.1	7.9	7.5	6.1	6.2	4.6	4.1	3.6	3.9	4.3	5.9	6.7
850	7.4	7.2	6.5	5.0	5.1	3.9	3.7	3.6	3.6	4.8	5.7	6.3
700	6.3	6.0	5.7	4.6	4.5	3.5	2.9	3.6	3.5	4.8	4.9	5.3
500	5.8	5.5	5.5	4.9	4.5	3.8	3.2	4.2	3.9	4.9	5.0	5.1
300	3.8	3.6	3.7	3.5	3.3	3.2	2.9	3.6	3.4	3.5	3.4	4.4
200	6.0	5.7	4.8	5.3	3.8	4.8	5.6	5.2	3.9	4.8	4.9	5.5
150	5.0	4.7	3.7	4.0	2.5	2.9	2.9	3.0	2.6	3.6	3.6	5.1
100	5.6	4.5	4.5	3.8	2.4	2.5	2.4	2.4	2.3	3.3	3.3	5.8

LAKE CHARLES, LOUISIANA, WBAS

ELEVATION 5 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	710	740	690	670	660	640	640	640	640	680	690	700
	MIN	470	480	450	430	490	510	520	480	400	500	480	480
850	MAX	1619	1617	1598	1606	1594	1596	1600	1609	1595	1600	1605	1608
	MIN	1393	1393	1399	1386	1437	1464	1482	1432	1352	1454	1427	1377
700	MAX	3231	3219	3200	3217	3233	3240	3240	3253	3229	3227	3213	3208
	MIN	2960	2961	2970	2999	3037	3064	3126	3064	2982	3037	2987	2946
500	MAX	5922	5894	5907	5917	5959	5958	5979	5995	5951	5940	5902	5896
	MIN	5497	5490	5542	5590	5682	5741	5823	5761	5700	5629	5537	5473
300	MAX	9660	9608	9694	9661	9734	9758	9795	9849	9771	9756	9674	9640
	MIN	9056	9054	9130	9206	9380	9485	9578	9560	9436	9221	9197	9031
200	MAX	12343	12278	12395	12361	12456	12493	12535	12591	12512	12496	12404	12347
	MIN	11767	11804	11764	11812	11987	12170	12258	12278	12191	11931	11905	11721
150	MAX	14128	14056	14100	14140	14253	14293	14339	14378	14317	14293	14196	14165
	MIN	13557	13613	13589	13634	13776	13937	14021	14070	14011	13750	13741	13556
100	MAX	16596	16496	16567	16612	16645	16704	16752	16761	16733	16684	16572	16533
	MIN	16145	16141	16098	16173	16230	16401	16490	16487	16425	16262	16190	16117

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	42	44	42	41	29	23	17	19	25	30	41	43
850	40	40	37	38	28	23	20	22	27	30	37	38
700	47	47	43	43	31	26	22	25	29	35	41	43
500	72	69	64	59	44	35	26	32	36	50	56	62
300	106	100	94	87	62	53	36	47	52	83	83	97
200	113	101	103	97	77	65	48	59	59	101	95	109
150	100	92	99	91	80	67	54	64	59	96	92	103
100	89	76	87	77	71	60	51	58	56	79	74	87

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	20	20	26	24	27	28	30	29	28	26	22	22
	MIN	9-	11-	2-	4	9	16	20	20	16	5	1-	6-
850	MAX	16	17	21	22	22	23	23	23	23	20	20	20
	MIN	6-	10-	10-	1	7	10	13	13	9	0	3-	5-
700	MAX	10	11	14	13	14	13	12	14	13	12	11	12
	MIN	9-	9-	9-	8-	1-	3	5	5	2-	6-	10-	11-
500	MAX	7-	8-	4-	5-	4-	2-	2-	0-	1-	3-	6-	5-
	MIN	25-	27-	21-	21-	17-	13-	10-	11-	15-	22-	21-	26-
300	MAX	33-	32-	31-	32-	33-	29-	28-	28-	28-	27-	28-	33-
	MIN	50-	47-	51-	47-	44-	41-	37-	38-	40-	44-	47-	50-
200	MAX	45-	45-	47-	47-	50-	49-	51-	50-	47-	49-	48-	44-
	MIN	65-	65-	64-	64-	64-	60-	60-	59-	58-	61-	63-	65-
150	MAX	53-	53-	54-	53-	56-	59-	59-	59-	60-	58-	55-	52-
	MIN	75-	70-	74-	72-	72-	72-	72-	71-	71-	72-	71-	73-
100	MAX	58-	58-	61-	58-	61-	62-	62-	63-	64-	62-	61-	59-
	MIN	77-	74-	76-	75-	75-	77-	78-	76-	79-	81-	77-	77-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	6.2	5.7	5.2	3.4	2.3	1.8	1.5	1.7	2.2	3.4	5.0	5.8
850	4.1	4.3	4.8	3.6	2.5	1.9	1.5	1.8	2.0	3.0	4.0	4.2
700	3.8	3.7	3.9	3.0	2.6	1.9	1.2	1.6	1.9	2.7	3.3	3.5
500	3.3	3.1	2.7	2.4	2.0	1.8	1.2	1.6	1.9	2.9	2.7	3.2
300	2.8	2.7	2.8	2.3	1.9	1.8	1.6	1.7	2.0	2.9	2.9	2.9
200	4.2	4.4	4.1	2.9	2.4	1.7	1.6	1.7	1.9	2.2	3.0	3.3
150	4.2	3.2	3.1	3.1	3.0	2.3	2.0	2.2	2.2	2.7	3.2	3.9
100	3.0	3.3	3.1	3.1	3.1	2.8	3.0	2.4	2.9	3.8	3.4	3.6

LANDER, WYOMING, WBAS

ELEVATION 1696 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	780	740	780	690	730	670	660	630	660	740	790	770
	MIN	380	390	300	300	340	340	370	400	390	390	400	310
850	MAX	1609	1611	1649	1591	1625	1589	1589	1593	1586	1620	1643	1638
	MIN	1270	1293	1236	1243	1260	1329	1376	1387	1361	1338	1315	1254
700	MAX	3164	3208	3155	3163	3195	3206	3234	3249	3234	3214	3205	3194
	MIN	2793	2849	2834	2843	2838	2987	3058	3058	2984	2945	2838	2810
500	MAX	5793	5852	5750	5819	5874	5945	5964	5972	5950	5908	5886	5827
	MIN	5218	5256	5325	5389	5421	5567	5711	5713	5552	5494	5213	5266
300	MAX	9429	9498	9382	9467	9568	9726	9797	9776	9730	9638	9571	9475
	MIN	8626	8628	8743	8839	8967	9111	9370	9359	9116	8975	8639	8690
200	MAX	12134	12098	11994	12084	12209	12435	12551	12560	12433	12327	12204	12104
	MIN	11262	11288	11378	11458	11645	11778	12025	12024	11750	11587	11369	11350
150	MAX	13807	13932	13801	13866	13977	14270	14364	14399	14251	14107	14009	13902
	MIN	13174	13204	13261	13339	13549	13639	13855	13898	13604	13444	13266	13210
100	MAX	16266	16436	16311	16380	16473	16739	16769	16774	16684	16580	16427	16404
	MIN	15762	15797	15853	15892	16159	16263	16416	16476	16189	16045	15859	15806

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	80	65	72	68	62	54	45	38	54	64	70	80
850	68	56	62	59	53	44	38	32	44	53	63	71
700	72	65	60	60	53	43	35	31	48	58	74	74
500	113	109	88	89	80	70	47	44	74	93	123	108
300	171	170	139	134	123	112	74	70	109	142	191	164
200	159	155	129	129	121	128	96	90	119	152	190	158
150	129	134	109	108	95	116	93	84	107	142	162	130
100	109	113	93	89	70	100	78	66	89	116	117	103

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
700	MAX	5	6	5	9	15	19	19	18	17	11	9	4
	MIN	32-	26-	26-	15-	12-	9-	0-	3	8-	13-	28-	21-
500	MAX	13-	12-	14-	12-	9-	4-	3-	3-	5-	6-	10-	10-
	MIN	40-	40-	39-	32-	30-	23-	14-	15-	23-	32-	38-	39-
300	MAX	37-	42-	40-	40-	38-	32-	29-	28-	33-	33-	30-	38-
	MIN	59-	58-	56-	57-	54-	50-	43-	43-	47-	53-	57-	56-
200	MAX	40-	42-	41-	43-	39-	42-	46-	45-	45-	45-	43-	45-
	MIN	70-	72-	71-	67-	67-	64-	62-	61-	66-	65-	68-	68-
150	MAX	46-	44-	42-	47-	46-	46-	52-	50-	49-	50-	48-	46-
	MIN	73-	73-	64-	70-	70-	69-	72-	67-	70-	72-	75-	79-
100	MAX	50-	45-	50-	49-	50-	51-	53-	52-	55-	52-	49-	48-
	MIN	69-	69-	64-	65-	68-	69-	70-	68-	67-	73-	74-	68-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
700	6.4	6.2	5.6	5.5	5.4	5.1	3.5	3.0	5.2	5.8	6.7	5.5
500	5.7	5.4	4.7	4.2	3.8	3.3	2.0	2.0	3.1	4.5	6.1	5.2
300	3.7	3.1	3.1	3.1	3.2	3.2	2.8	2.8	2.6	3.3	3.9	3.6
200	6.6	7.0	6.1	5.5	5.4	4.4	2.8	2.8	3.4	4.2	5.4	5.8
150	4.4	4.6	4.0	3.9	4.4	4.3	3.5	3.5	3.6	4.0	5.3	5.1
100	3.7	4.5	3.4	3.3	3.3	3.4	3.4	3.1	2.9	4.2	4.7	3.9

LAS VEGAS, NEVADA, WBAS

ELEVATION 660 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	730	690	690	630	620	574	590	580	580	630	700	700
	MIN	390	400	390	400	400	350	410	430	400	400	410	390
850	MAX	1624	1598	1610	1579	1578	1536	1560	1551	1569	1587	1605	1630
	MIN	1317	1347	1286	1336	1345	1332	1413	1439	1386	1376	1353	1310
700	MAX	3219	3211	3173	3217	3231	3216	3246	3237	3237	3218	3223	3229
	MIN	2858	2907	2813	2892	2903	2953	3079	3074	3008	2939	2893	2844
500	MAX	5866	5846	5813	5878	5917	5965	5974	5967	5968	5919	5919	5897
	MIN	5309	5351	5306	5416	5471	5535	5778	5759	5665	5468	5432	5274
300	MAX	9577	9538	9507	9553	9659	9777	9801	9774	9782	9700	9678	9622
	MIN	8841	8831	8799	8883	9051	9182	9517	9514	9286	9014	8919	8766
200	MAX	12233	12210	12083	12176	12342	12496	12565	12533	12500	12435	12385	12268
	MIN	11517	11494	11511	11591	11704	11860	12178	12187	12025	11726	11577	11507
150	MAX	14006	14019	13895	13971	14152	14309	14381	14334	14288	14244	14181	14019
	MIN	13387	13351	13400	13477	13586	13721	13966	14008	13862	13614	13459	13398
100	MAX	16459	16487	16336	16537	16635	16733	16809	16755	16727	16644	16514	16469
	MIN	15972	15944	15983	16081	16169	16301	16485	16457	16390	16225	16051	16008

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	58	50	48	42	36	31	30	21	31	42	49	53
850	57	50	49	42	35	29	26	21	31	39	50	53
700	73	66	62	54	49	40	27	27	41	52	68	66
500	117	109	98	84	83	65	34	38	56	85	114	106
300	169	155	141	119	124	96	55	58	82	126	171	154
200	160	146	126	113	124	113	74	73	93	130	175	153
150	135	131	103	91	102	107	71	72	89	119	152	131
100	100	104	78	80	79	82	54	52	68	87	107	97

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX												
	MIN												
850	MAX	16	18	19	26	31	36	36	34	34	28	20	17
	MIN	8-	5-	1-	3	5	11	19	16	10	3	0	3-
700	MAX	9	6	6	10	15	19	18	17	18	14	10	8
	MIN	20-	18-	14-	9-	7-	3-	8	5	0	8-	13-	16-
500	MAX	10-	10-	11-	9-	6-	2-	1-	3-	3-	4-	6-	8-
	MIN	34-	36-	35-	31-	28-	20-	11-	13-	17-	27-	31-	35-
300	MAX	31-	38-	39-	32-	35-	32-	28-	29-	31-	31-	32-	29-
	MIN	55-	55-	53-	52-	51-	46-	41-	41-	43-	49-	52-	52-
200	MAX	42-	44-	44-	43-	44-	45-	48-	45-	44-	45-	46-	42-
	MIN	67-	69-	69-	67-	66-	62-	60-	59-	60-	62-	66-	68-
150	MAX	46-	48-	47-	46-	47-	50-	54-	54-	51-	49-	50-	47-
	MIN	70-	70-	71-	70-	71-	70-	70-	69-	68-	73-	73-	76-
100	MAX	52-	52-	51-	52-	54-	56-	60-	59-	53-	52-	53-	53-
	MIN	71-	73-	67-	69-	73-	73-	74-	73-	74-	75-	76-	76-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	5.1	5.3	4.7	4.9	5.3	4.3	2.8	2.9	4.0	5.1	5.3	4.7
700	5.7	5.3	4.6	4.2	4.6	3.9	2.1	2.1	3.2	4.5	5.6	5.3
500	4.9	4.6	4.3	3.7	4.0	3.0	1.8	1.9	2.5	3.8	5.2	4.7
300	3.5	2.9	2.7	2.6	2.7	2.5	2.4	2.4	2.4	2.7	3.2	3.5
200	6.0	5.9	5.6	4.8	4.4	2.9	2.0	1.9	2.6	3.4	4.5	5.2
150	4.5	3.9	3.9	3.8	4.6	4.1	2.7	2.8	2.8	3.3	4.7	4.8
100	4.2	4.8	3.2	3.2	3.5	3.6	2.9	2.6	3.4	3.8	4.9	4.4

LITTLE ROCK, ARK., WBAS

ELEVATION 79 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	700	700	700	680	680	650	650	660	670	680	700	720
	MIN	390	420	380	390	440	480	530	510	500	480	420	460
850	MAX	1612	1594	1585	1602	1622	1613	1612	1626	1619	1602	1629	1602
	MIN	1336	1341	1306	1332	1404	1410	1500	1464	1454	1387	1371	1334
700	MAX	3218	3171	3154	3200	3237	3262	3265	3274	3254	3239	3226	3192
	MIN	2887	2869	2855	2923	3003	2973	3132	3088	3054	2945	2908	2884
500	MAX	5886	5809	5819	5884	5931	5988	5989	5999	5968	5955	5875	5862
	MIN	5347	5350	5309	5417	5580	5542	5803	5781	5696	5476	5426	5354
300	MAX	9614	9521	9542	9646	9729	9810	9829	9851	9780	9784	9595	9592
	MIN	8846	8815	8906	8963	9106	9123	9526	9522	9403	8947	8963	8866
200	MAX	12308	12151	12221	12378	12430	12589	12584	12599	12529	12527	12280	12245
	MIN	11553	11527	11564	11669	11797	11836	12204	12163	12098	11646	11705	11561
150	MAX	14093	13920	14032	14042	14254	14491	14410	14396	14339	14322	14085	13991
	MIN	13434	13375	13429	13556	13628	13721	13994	13970	13892	13535	13572	13452
100	MAX	16501	16404	16488	16530	16701	16900	16792	16814	16766	16691	16518	16440
	MIN	16005	15981	16004	16143	16119	16306	16482	16543	16409	16118	16089	16061

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	53	50	54	48	33	28	20	22	31	38	54	52
850	48	48	47	47	33	29	23	22	29	39	49	47
700	60	59	55	57	42	39	27	28	34	50	58	56
500	97	88	85	82	59	56	35	37	45	74	83	87
300	145	124	122	120	89	87	54	56	71	115	116	121
200	147	118	123	124	105	108	68	69	89	131	123	121
150	121	102	109	104	102	110	71	69	86	125	114	106
100	104	87	92	82	90	85	56	51	70	98	89	80

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	21	22	24	25	28	31	32	33	32	28	24	22
	MIN	13-	16-	7-	2	7	11	17	16	12	2	6-	12-
850	MAX	16	15	17	21	21	25	26	25	24	23	18	21
	MIN	15-	19-	14-	5-	2	5	9	10	6	3-	12-	12-
700	MAX	9	8	11	13	15	16	13	14	13	13	11	12
	MIN	21-	20-	19-	13-	5-	4-	3	2	2-	11-	13-	15-
500	MAX	6-	11-	9-	8-	4-	1-	1-	0-	2-	3-	7-	6-
	MIN	33-	30-	34-	27-	22-	21-	11-	11-	16-	28-	29-	34-
300	MAX	33-	35-	32-	33-	32-	28-	28-	28-	27-	30-	31-	31-
	MIN	53-	53-	51-	51-	46-	44-	39-	40-	42-	46-	50-	53-
200	MAX	43-	44-	41-	46-	45-	43-	48-	46-	46-	44-	41-	42-
	MIN	66-	67-	68-	64-	64-	62-	59-	60-	61-	62-	67-	65-
150	MAX	47-	49-	48-	49-	51-	52-	54-	55-	55-	50-	48-	47-
	MIN	71-	67-	68-	70-	73-	70-	72-	70-	69-	72-	72-	72-
100	MAX	55-	52-	56-	52-	57-	58-	58-	59-	61-	55-	55-	53-
	MIN	72-	71-	73-	70-	74-	73-	75-	77-	78-	76-	73-	77-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	7.7	6.9	6.7	5.1	4.0	3.4	2.7	3.0	4.2	4.7	6.4	6.5
850	6.0	6.0	6.2	4.8	3.5	3.2	2.4	2.7	3.5	4.3	5.5	5.6
700	5.1	4.5	4.9	4.2	3.2	2.9	1.8	2.0	2.3	3.5	4.4	4.7
500	4.3	3.5	3.8	3.1	2.4	2.5	1.7	1.7	2.4	3.4	3.6	4.1
300	3.6	3.0	3.3	2.9	2.4	2.5	1.9	1.9	2.8	3.3	3.2	3.2
200	5.2	5.0	5.1	3.9	2.8	2.3	1.8	1.9	2.5	3.0	4.1	4.8
150	4.6	3.5	3.5	4.0	3.7	3.3	2.3	2.5	2.7	3.7	4.1	4.7
100	3.9	3.6	3.8	3.5	3.2	3.5	3.1	2.9	3.2	4.5	3.9	4.2

MCGRATH, ALASKA, WBAS

ELEVATION 103 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	730	780	730	730	680	700	670	690	690	710	720	750
	MIN	180	220	230	230	320	360	400	300	270	200	200	220
850	MAX	1597	1634	1622	1647	1549	1617	1606	1583	1590	1566	1591	1632
	MIN	1005	1095	1066	1121	1228	1270	1335	1219	1167	1077	1034	1059
700	MAX	3138	3127	3163	3222	3104	3233	3196	3169	3161	3149	3119	3150
	MIN	2457	2542	2518	2609	2699	2808	2874	2773	2678	2580	2541	2509
500	MAX	5710	5632	5719	5820	5750	5920	5861	5825	5764	5783	5698	5661
	MIN	4831	4899	4906	5020	5079	5310	5413	5326	5163	5039	4935	4896
300	MAX	9262	9190	9271	9402	9439	9659	9547	9556	9485	9453	9322	9165
	MIN	8215	8302	8308	8452	8449	8796	8923	8801	8690	8410	8318	8188
200	MAX	11827	11674	11827	11954	12072	12323	12240	12218	12154	12084	11910	11795
	MIN	10788	10899	10986	11082	11234	11480	11650	11514	11334	11007	10993	10728
150	MAX	13635	13448	13619	13750	13880	14087	14054	14009	13953	13822	13697	13617
	MIN	12615	12757	12847	12969	13203	13395	13579	13439	13238	12881	12872	12628
100	MAX	16179	16131	16295	16332	16473	16611	16655	16616	16488	16347	16290	16176
	MIN	15416	15385	15454	15622	15871	16105	16266	16111	15893	15528	15556	15127

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	115	97	97	101	66	60	50	59	79	95	104	108
850	123	101	98	102	66	64	54	60	79	95	101	108
700	140	114	109	112	76	73	63	69	83	100	103	116
500	182	150	146	146	108	100	85	97	107	127	125	143
300	233	194	192	195	156	143	124	150	159	177	169	189
200	205	153	164	169	136	129	113	144	163	165	147	177
150	181	135	153	148	117	106	89	116	145	149	133	169
100	166	151	156	131	107	87	73	95	126	137	120	179

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	5	8	5	13	23	24	25	24	16	12	7	0
	MIN	37-	32-	29-	18-	12-	2	5	2	3-	19-	30-	35-
850	MAX	6	5	4	6	14	15	16	15	9	10	5	1
	MIN	37-	32-	35-	23-	19-	5-	2-	3-	10-	18-	30-	33-
700	MAX	2-	2-	3-	0-	2	8	4	5	2	4	4-	4-
	MIN	38-	33-	37-	29-	22-	14-	10-	15-	17-	28-	33-	34-
500	MAX	16-	16-	18-	18-	12-	9-	8-	8-	9-	13-	17-	18-
	MIN	46-	46-	43-	41-	41-	31-	27-	33-	32-	41-	43-	45-
300	MAX	39-	44-	44-	38-	39-	36-	34-	32-	37-	41-	41-	39-
	MIN	62-	62-	62-	61-	57-	55-	53-	53-	56-	61-	63-	64-
200	MAX	39-	40-	39-	40-	39-	39-	39-	39-	41-	42-	38-	40-
	MIN	70-	71-	65-	72-	61-	65-	64-	63-	64-	66-	68-	72-
150	MAX	37-	38-	39-	40-	42-	39-	39-	40-	43-	44-	39-	40-
	MIN	62-	63-	59-	60-	54-	65-	58-	62-	62-	65-	62-	66-
100	MAX	38-	38-	39-	40-	41-	42-	40-	41-	41-	44-	42-	39-
	MIN	65-	66-	58-	57-	55-	58-	53-	55-	60-	59-	63-	72-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	9.7	8.4	7.6	5.9	5.5	4.2	4.4	3.4	3.8	5.2	6.5	7.3
850	8.8	8.0	7.0	5.6	4.9	3.8	3.6	3.4	3.8	5.2	6.2	7.1
700	6.3	5.7	5.5	4.9	4.1	3.4	3.0	3.7	3.6	4.6	5.0	5.1
500	5.7	5.5	5.4	5.1	4.7	3.9	3.3	4.3	4.3	4.8	4.9	5.4
300	3.8	3.4	3.6	3.5	3.5	3.3	3.3	4.2	4.0	3.7	3.5	4.4
200	6.5	5.9	4.7	5.6	4.2	5.3	5.6	5.5	4.3	4.5	4.6	5.6
150	4.9	4.6	3.7	3.6	2.4	3.4	3.0	3.7	3.2	3.4	3.5	4.3
100	4.9	4.6	4.0	3.3	2.1	2.5	2.3	2.7	2.9	3.1	3.1	5.3

MEDFORD, OREGON, WBAS

ELEVATION 401 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	750	700	690	680	680	640	620	630	630	690	710	730
	MIN	380	420	380	360	430	480	480	460	450	300	360	320
850	MAX	1633	1621	1602	1615	1604	1578	1583	1570	1577	1604	1651	1621
	MIN	1285	1323	1287	1273	1348	1421	1448	1397	1424	1219	1260	1231
700	MAX	3204	3219	3190	3229	3212	3227	3244	3226	3219	3209	3253	3215
	MIN	2784	2823	2803	2794	2894	2966	3033	2972	2964	2777	2783	2796
500	MAX	5832	5847	5810	5861	5889	5943	5959	5937	5942	5925	5935	5867
	MIN	5219	5252	5287	5271	5363	5454	5613	5535	5477	5331	5277	5276
300	MAX	9517	9517	9505	9541	9614	9736	9764	9717	9709	9671	9666	9539
	MIN	8644	8676	8707	8714	8807	8934	9205	9140	9049	8904	8742	8745
200	MAX	12153	12121	12133	12182	12267	12456	12470	12425	12435	12354	12325	12211
	MIN	11302	11317	11385	11426	11525	11696	11874	11835	11765	11616	11413	11391
150	MAX	13975	13972	13838	13902	14035	14244	14282	14242	14253	14150	14088	14010
	MIN	13189	13161	13250	13319	13467	13619	13718	13749	13626	13485	13250	13252
100	MAX	16314	16458	16311	16387	16528	16694	16749	16720	16704	16599	16508	16479
	MIN	15836	15754	15826	15955	16089	16253	16385	16388	16208	16039	15906	15839

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	68	57	58	45	38	33	26	28	29	45	59	67
850	69	58	59	48	36	32	24	26	29	46	61	65
700	88	78	74	69	55	49	40	41	51	64	80	80
500	136	128	114	115	97	92	67	68	87	105	124	123
300	189	186	166	170	153	148	104	103	130	151	178	178
200	170	169	147	158	146	152	120	109	136	154	188	170
150	145	147	119	123	109	125	104	94	124	130	166	153
100	108	119	102	95	89	88	71	63	99	103	127	128

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	16	16	21	29	31	33	38	35	38	29	19	14
	MIN	5-	5-	2-	0	3	8	12	12	6	4	2-	4-
850	MAX	12	17	15	20	22	25	29	26	29	24	19	13
	MIN	13-	11-	7-	6-	2-	0	5	5	0-	2-	7-	6-
700	MAX	5	8	2	6	12	12	14	15	15	10	8	6
	MIN	23-	19-	18-	17-	13-	11-	4-	5-	9-	15-	16-	18-
500	MAX	12-	13-	12-	12-	9-	3-	3-	5-	6-	7-	9-	12-
	MIN	37-	39-	38-	36-	33-	31-	22-	22-	27-	32-	34-	37-
300	MAX	40-	39-	39-	36-	37-	33-	31-	31-	31-	34-	32-	36-
	MIN	56-	56-	56-	55-	53-	51-	49-	49-	47-	51-	55-	56-
200	MAX	41-	41-	43-	37-	44-	41-	44-	42-	44-	45-	44-	42-
	MIN	69-	70-	69-	67-	66-	65-	61-	61-	63-	66-	66-	68-
150	MAX	45-	42-	45-	47-	46-	45-	47-	47-	49-	46-	49-	48-
	MIN	69-	68-	72-	73-	68-	71-	68-	66-	68-	75-	72-	74-
100	MAX	47-	49-	49-	50-	49-	50-	51-	50-	51-	53-	51-	49-
	MIN	68-	70-	68-	66-	67-	68-	70-	66-	68-	71-	72-	70-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	3.6	4.2	4.6	6.0	6.2	5.5	4.4	4.3	6.0	4.9	4.2	3.4
850	5.2	5.3	4.8	5.9	5.9	5.4	4.5	4.2	5.9	5.5	5.2	4.7
700	5.7	5.8	4.9	5.5	5.3	5.1	3.8	3.7	4.9	5.2	5.2	5.2
500	5.4	5.6	4.9	5.1	4.8	4.7	3.1	3.1	3.9	4.5	4.8	5.2
300	3.0	3.0	2.9	3.1	3.3	3.5	2.9	2.7	2.6	2.9	3.7	3.8
200	6.5	7.0	6.7	6.0	5.5	4.9	3.3	3.8	3.7	4.3	4.8	5.9
150	4.4	4.6	4.5	4.5	4.6	5.2	4.0	3.6	3.7	4.0	4.7	4.8
100	4.3	4.4	3.6	3.2	2.9	3.8	3.2	2.9	3.9	3.6	4.8	4.2

MIAMI, FLORIDA, WBAS

ELEVATION 4 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	690	700	670	650	640	650	660	640	630	640	660	670
	MIN	520	520	500	500	520	520	540	480	450	110	510	530
850	MAX	1627	1621	1610	1601	1585	1617	1623	1608	1595	1589	1599	1613
	MIN	1461	1455	1450	1457	1474	1497	1506	1442	1397	1094	1457	1456
700	MAX	3238	3240	3227	3228	3215	3264	3263	3250	3235	3228	3223	3230
	MIN	3043	3045	3018	3075	3066	3123	3131	3080	3099	2756	3075	3025
500	MAX	5951	5930	5931	5967	5927	5981	5968	5952	5962	5939	5935	5939
	MIN	5685	5674	5595	5732	5723	5800	5830	5802	5797	5740	5737	5588
300	MAX	9736	9689	9704	9791	9720	9792	9771	9782	9776	9755	9749	9718
	MIN	9339	9351	9198	9399	9356	9516	9569	9593	9578	9435	9421	9281
200	MAX	12473	12372	12446	12533	12457	12540	12519	12538	12546	12503	12476	12417
	MIN	11933	12015	11909	12047	11994	12186	12252	12294	12243	12108	12105	11971
150	MAX	14286	14167	14238	14342	14235	14315	14315	14348	14367	14295	14267	14222
	MIN	13685	13814	13765	13875	13807	13962	14033	14065	14010	13907	13884	13763
100	MAX	16578	16612	16655	16632	16722	16712	16746	16776	16779	16715	16661	16698
	MIN	16142	16261	16261	16331	16244	16397	16498	16474	16364	16334	16280	16184

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	29	33	24	26	19	22	17	20	24	38	23	24
850	30	34	26	27	21	24	18	21	24	37	23	25
700	35	39	32	29	25	26	20	22	23	37	27	31
500	51	54	46	39	36	31	22	23	26	35	39	49
300	74	74	65	58	56	46	29	32	37	55	62	74
200	82	80	78	71	73	61	39	46	52	68	75	87
150	84	82	79	69	73	67	46	52	58	70	72	85
100	82	83	73	53	66	63	46	56	58	69	64	77

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	21	22	23	24	25	25	25	26	26	24	23	23
	MIN	1	1	7	8	16	19	18	20	19	13	7	6
850	MAX	18	16	19	20	19	19	20	20	20	20	19	18
	MIN	0-	3	2	2	8	12	12	14	12	7	4	1
700	MAX	11	12	12	11	10	11	10	11	13	12	14	12
	MIN	1-	0-	3-	0	0-	3	3	5	3	2	1	4-
500	MAX	5-	5-	4-	3-	5-	5-	4-	4-	2-	3-	3-	4-
	MIN	16-	16-	21-	16-	16-	11-	10-	12-	11-	13-	15-	21-
300	MAX	32-	30-	32-	31-	30-	30-	30-	28-	27-	29-	30-	32-
	MIN	45-	44-	44-	43-	43-	39-	38-	37-	37-	40-	42-	44-
200	MAX	47-	47-	47-	50-	49-	51-	49-	50-	47-	47-	51-	50-
	MIN	64-	64-	63-	64-	61-	61-	60-	59-	60-	62-	60-	63-
150	MAX	53-	53-	56-	52-	58-	60-	61-	60-	59-	60-	60-	58-
	MIN	73-	73-	72-	72-	72-	73-	73-	71-	73-	73-	73-	73-
100	MAX	65-	63-	64-	61-	61-	65-	65-	64-	66-	68-	67-	67-
	MIN	79-	79-	80-	78-	77-	76-	74-	79-	80-	80-	80-	79-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	2.9	3.0	2.7	2.3	1.5	1.1	.9	1.0	1.0	1.7	2.7	2.9
850	2.7	2.8	2.7	2.6	1.6	1.3	1.0	1.0	1.1	1.9	2.5	2.9
700	2.4	2.4	2.2	1.9	1.7	1.2	1.0	1.0	1.3	1.7	2.0	2.5
500	2.4	2.3	2.2	2.0	1.8	1.3	1.1	1.2	1.3	1.8	2.1	2.4
300	2.1	2.3	2.0	2.0	2.1	1.6	1.2	1.7	1.7	2.2	2.2	2.1
200	3.1	3.2	3.2	2.6	1.9	1.7	1.4	1.7	1.8	1.9	1.7	2.2
150	3.0	2.6	2.8	3.0	2.9	2.2	2.1	2.0	2.0	2.3	2.5	3.1
100	2.6	2.9	2.5	2.7	2.8	2.3	2.0	2.2	2.8	2.4	2.5	2.6

MIDLAND, TEXAS, SLOAN FIELD

ELEVATION 871 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	740	710	700	680	630	610	610	620	660	700	720	720
	MIN	390	420	380	380	390	430	470	480	430	430	430	390
850	MAX	1610	1604	1591	1605	1592	1581	1582	1586	1602	1615	1623	1625
	MIN	1331	1383	1330	1330	1376	1419	1468	1477	1428	1404	1373	1342
700	MAX	3218	3191	3188	3198	3218	3244	3247	3252	3241	3223	3218	3224
	MIN	2921	2956	2924	2936	2969	3086	3140	3130	3073	3051	2981	2945
500	MAX	5900	5858	5867	5897	5915	5973	5989	5986	5979	5934	5900	5896
	MIN	5446	5452	5474	5512	5607	5764	5846	5821	5760	5684	5519	5496
300	MAX	9631	9561	9579	9639	9671	9787	9838	9847	9814	9737	9646	9627
	MIN	8927	9001	9029	9058	9266	9457	9614	9593	9480	9303	9049	9063
200	MAX	12324	12220	12251	12302	12360	12523	12604	12593	12562	12485	12316	12286
	MIN	11601	11664	11709	11748	11916	12100	12293	12258	12154	11988	11763	11680
150	MAX	14047	14000	14052	14092	14184	14362	14417	14423	14327	14299	14139	14050
	MIN	13472	13529	13579	13599	13761	13903	14056	14039	13980	13791	13619	13549
100	MAX	16486	16475	16462	16520	16623	16871	16795	16828	16769	16719	16580	16461
	MIN	16066	16072	16085	16132	16202	16400	16516	16526	16451	16276	16104	16069

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	60	56	62	55	43	34	27	27	37	46	59	60
850	48	46	49	46	36	30	22	21	30	37	50	50
700	53	48	49	46	35	28	22	21	26	33	48	50
500	86	73	74	66	51	39	25	27	32	46	68	77
300	127	106	112	103	81	64	38	40	51	79	93	114
200	131	112	117	110	96	82	50	51	65	102	100	114
150	106	100	104	94	97	84	57	54	65	100	96	92
100	85	82	85	72	79	72	56	47	61	77	85	75

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	MAX	21	20	23	27	32	31	31	30	31	27	22	21
	MIN	16-	16-	14-	2-	3	9	13	12	10	1	6-	10-
700	MAX	11	7	10	12	17	17	17	15	16	14	10	13
	MIN	14-	15-	14-	7-	4-	2	6	5	3	6-	12-	13-
500	MAX	8-	10-	8-	8-	6-	1-	1-	0-	0-	4-	6-	6-
	MIN	33-	29-	26-	24-	22-	14-	10-	9-	13-	18-	27-	30-
300	MAX	30-	35-	33-	33-	33-	30-	27-	27-	29-	30-	26-	35-
	MIN	51-	52-	49-	51-	46-	42-	38-	39-	40-	44-	49-	51-
200	MAX	42-	42-	44-	45-	43-	48-	49-	49-	48-	49-	44-	44-
	MIN	65-	66-	63-	64-	63-	60-	59-	58-	59-	61-	64-	64-
150	MAX	50-	51-	51-	47-	52-	51-	58-	58-	58-	53-	54-	52-
	MIN	72-	67-	71-	75-	71-	72-	72-	73-	69-	71-	73-	75-
100	MAX	57-	56-	57-	55-	57-	61-	61-	61-	63-	59-	57-	57-
	MIN	76-	74-	76-	72-	74-	76-	77-	76-	80-	78-	76-	76-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	7.9	6.9	7.0	5.9	4.9	3.4	2.4	2.8	3.7	4.6	6.3	6.5
700	4.9	4.3	4.4	3.8	3.4	2.4	1.9	1.7	2.2	3.0	4.2	4.7
500	4.1	3.3	3.3	2.9	2.5	2.3	1.5	1.5	2.0	2.7	3.2	3.9
300	3.3	3.0	3.2	2.7	2.4	2.2	1.6	1.6	2.2	3.1	2.9	2.9
200	5.0	4.8	4.6	4.0	3.1	1.9	1.7	1.6	1.7	2.5	3.7	4.1
150	4.4	3.2	3.7	3.6	3.3	2.9	2.2	2.3	2.2	2.9	3.6	4.3
100	3.8	3.7	3.6	3.4	3.7	3.2	2.9	2.9	3.2	4.0	3.6	3.7

NANTUCKET, MASSACHUSETTS, WBAS

ELEVATION 14 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	740	730	710	730	700	680	690	690	720	730	710	780
	MIN	320	290	220	300	410	430	440	400	420	400	360	320
850	MAX	1612	1589	1603	1646	1628	1617	1630	1634	1651	1642	1614	1663
	MIN	1209	1173	1141	1201	1310	1370	1382	1362	1353	1320	1260	1210
700	MAX	3193	3149	3146	3236	3207	3234	3247	3248	3279	3244	3182	3215
	MIN	2702	2628	2658	2752	2855	2930	2983	2994	2933	2885	2786	2703
500	MAX	5855	5773	5745	5852	5842	5925	5966	5967	5956	5912	5856	5822
	MIN	5129	5035	5050	5261	5354	5503	5636	5616	5508	5344	5209	5091
300	MAX	9541	9431	9487	9470	9584	9748	9773	9777	9718	9660	9577	9507
	MIN	8578	8462	8525	8707	8888	9106	9336	9246	9126	8916	8668	8580
200	MAX	12211	12040	12073	12111	12277	12502	12509	12528	12462	12380	12283	12167
	MIN	11301	11175	11274	11355	11586	11774	11991	11910	11837	11613	11323	11272
150	MAX	13915	13805	13882	13852	14112	14320	14314	14345	14275	14178	14096	13889
	MIN	13197	13165	13183	13238	13451	13655	13856	13830	13714	13501	13218	13124
100	MAX	16381	16296	16439	16330	16486	16805	16733	16776	16732	16627	16431	16352
	MIN	15808	15730	15798	15866	16055	16255	16449	16435	16302	16077	15892	15646

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	79	87	78	68	52	48	40	40	53	62	65	72
850	82	89	79	70	56	48	39	40	51	62	69	75
700	103	107	97	83	73	59	41	47	60	75	88	99
500	149	148	142	116	106	84	54	65	78	105	128	150
300	204	200	198	166	154	135	81	105	110	145	175	205
200	184	177	178	157	154	150	95	119	122	155	172	195
150	146	140	148	114	121	128	84	97	108	142	149	167
100	115	110	113	86	89	91	58	64	79	112	104	137

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	17	15	17	18	24	26	28	28	28	23	21	17
	MIN	16-	17-	14-	8-	1	4	7	10	4	1-	7-	20-
850	MAX	13	10	16	13	17	21	23	21	20	19	15	12
	MIN	17-	22-	21-	17-	5-	2	6	4	3-	9-	14-	21-
700	MAX	7	2	6	3	7	10	11	12	10	9	6	4
	MIN	26-	28-	29-	24-	14-	7-	1-	3-	8-	19-	21-	26-
500	MAX	10-	12-	9-	9-	9-	3-	2-	4-	4-	5-	8-	8-
	MIN	41-	41-	39-	36-	30-	24-	16-	19-	25-	30-	35-	37-
300	MAX	36-	37-	36-	35-	33-	28-	28-	29-	29-	30-	32-	25-
	MIN	55-	55-	57-	55-	52-	48-	44-	46-	45-	50-	53-	55-
200	MAX	41-	41-	40-	41-	44-	41-	42-	43-	45-	44-	43-	39-
	MIN	66-	67-	68-	67-	65-	63-	60-	60-	64-	65-	66-	68-
150	MAX	43-	46-	45-	44-	44-	46-	51-	49-	50-	50-	47-	44-
	MIN	71-	72-	71-	71-	72-	70-	69-	70-	72-	69-	71-	70-
100	MAX	50-	49-	49-	49-	50-	52-	53-	51-	53-	53-	52-	49-
	MIN	68-	67-	67-	65-	66-	68-	74-	70-	73-	72-	70-	69-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	6.8	6.5	6.3	5.1	4.6	4.3	2.9	3.5	4.4	4.9	5.7	6.7
850	6.9	6.9	7.2	5.5	4.7	4.1	2.8	3.5	4.3	5.1	6.0	7.1
700	6.4	6.1	6.7	4.8	4.5	3.7	2.4	2.7	3.3	4.2	5.4	6.8
500	5.6	5.3	5.7	4.6	4.1	3.6	2.4	2.9	3.1	4.0	4.8	5.8
300	3.7	3.6	3.8	3.6	3.5	3.8	2.8	3.3	3.4	3.7	4.0	4.2
200	6.8	6.6	6.2	6.2	5.0	4.0	2.7	3.1	3.2	4.0	5.3	6.2
150	5.2	4.3	4.5	5.2	5.6	5.3	4.0	4.7	3.8	4.0	4.7	4.9
100	3.9	3.6	3.4	3.3	3.4	3.6	3.3	3.8	3.3	3.7	4.0	4.2

NASHVILLE, TENNESSEE, WBAS

ELEVATION 177 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	720	710	690	680	710	660	680	680	680	690	700	700
	MIN	420	410	350	430	450	490	540	520	490	470	430	420
850	MAX	1625	1607	1571	1615	1650	1629	1632	1641	1639	1610	1628	1616
	MIN	1311	1332	1279	1369	1400	1413	1492	1481	1436	1390	1362	1354
700	MAX	3220	3189	3163	3225	3261	3274	3272	3279	3268	3229	3213	3200
	MIN	2801	2783	2818	2891	2951	2992	3098	3103	3048	2919	2828	2864
500	MAX	5869	5821	5849	5868	5923	5992	5987	5988	5966	5942	5859	5864
	MIN	5311	5262	5289	5379	5455	5599	5716	5771	5663	5413	5231	5299
300	MAX	9604	9535	9558	9595	9682	9794	9814	9798	9770	9776	9605	9616
	MIN	8786	8717	8758	8892	9029	9189	9365	9479	9272	8935	8765	8761
200	MAX	12269	12205	12158	12321	12379	12523	12583	12579	12525	12518	12270	12233
	MIN	11443	11364	11407	11589	11748	11934	12025	12127	11959	11631	11502	11494
150	MAX	14028	13970	14001	14063	14180	14331	14404	14387	14351	14319	14050	13990
	MIN	13333	13242	13328	13477	13589	13822	13886	13925	13811	13510	13413	13410
100	MAX	16496	16436	16443	16450	16612	16732	16842	16806	16780	16714	16482	16472
	MIN	15936	15989	15964	16078	16168	16363	16454	16452	16357	16097	15987	15967

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	51	54	51	47	35	29	23	23	32	40	51	50
850	50	54	47	50	38	33	27	26	33	45	52	48
700	72	71	62	67	51	44	33	32	39	61	72	66
500	114	103	98	98	76	62	45	41	50	91	110	103
300	169	143	145	141	110	93	72	63	77	136	152	148
200	171	143	141	142	118	113	92	77	95	149	151	143
150	145	127	123	111	106	108	88	76	92	138	134	120
100	122	89	92	82	84	78	64	56	73	105	100	90

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	18	19	22	24	27	31	33	31	32	27	22	19
	MIN	14-	16-	11-	3-	5	11	14	14	9	0	16-	14-
850	MAX	14	13	15	18	20	24	24	23	24	23	15	17
	MIN	16-	21-	18-	11-	2-	4	7	6	1	6-	23-	15-
700	MAX	9	8	8	10	13	13	15	14	12	11	7	12
	MIN	21-	27-	22-	16-	11-	2-	1-	2	3-	12-	26-	19-
500	MAX	9-	10-	8-	8-	6-	3-	3-	3-	1-	3-	8-	7-
	MIN	33-	35-	34-	31-	27-	19-	17-	12-	17-	27-	33-	33-
300	MAX	36-	36-	37-	35-	34-	30-	28-	28-	29-	30-	26-	33-
	MIN	53-	52-	54-	51-	48-	44-	42-	40-	43-	48-	51-	54-
200	MAX	41-	44-	40-	43-	46-	43-	46-	47-	46-	42-	40-	42-
	MIN	67-	66-	66-	66-	64-	62-	61-	59-	63-	63-	65-	69-
150	MAX	48-	49-	49-	49-	49-	49-	50-	55-	54-	49-	46-	45-
	MIN	73-	71-	72-	67-	72-	70-	72-	70-	69-	69-	71-	71-
100	MAX	53-	53-	53-	52-	55-	56-	57-	59-	57-	53-	50-	51-
	MIN	75-	70-	69-	69-	73-	76-	76-	72-	75-	80-	72-	77-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	7.7	6.8	7.0	5.9	4.4	3.7	2.9	2.9	4.3	5.5	6.8	6.9
850	6.8	6.4	6.8	5.6	4.2	3.4	2.6	2.7	3.7	4.9	6.5	6.5
700	5.5	5.0	5.3	4.4	3.4	2.7	2.2	2.0	2.3	4.1	5.4	5.1
500	4.8	4.0	4.2	3.7	3.0	2.4	2.1	1.9	2.4	3.8	4.4	4.4
300	3.6	2.9	3.4	2.9	2.6	2.7	2.5	2.3	2.9	3.4	3.6	3.4
200	5.3	5.1	5.1	4.5	3.4	2.5	2.2	2.0	2.6	3.2	4.7	5.1
150	5.0	3.4	3.6	3.9	4.3	3.8	3.1	2.8	2.7	3.6	4.2	4.7
100	4.3	3.9	3.5	3.1	3.5	3.9	3.4	2.8	3.2	4.8	4.4	4.3

NOME, ALASKA, WBO

ELEVATION 7 METERS MSL NOV1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	770	770	750	730	670	700	660	670	715	710	730	730
	MIN	200	260	220	260	320	370	360	240	290	160	160	180
850	MAX	1641	1604	1580	1630	1556	1655	1588	1573	1621	1578	1596	1610
	MIN	1077	1105	1087	1120	1221	1259	1258	1148	1181	1032	1030	1038
700	MAX	3150	3073	3128	3172	3096	3256	3189	3174	3192	3121	3100	3144
	MIN	2483	2544	2511	2608	2706	2777	2783	2697	2697	2525	2523	2496
500	MAX	5702	5601	5714	5763	5661	5913	5854	5825	5826	5762	5650	5661
	MIN	4870	4844	4861	4995	5070	5271	5312	5238	5093	4975	4913	4862
300	MAX	9291	9116	9288	9341	9393	9619	9569	9636	9505	9423	9274	9298
	MIN	8178	8231	8328	8350	8428	8749	8827	8744	8528	8348	8277	8122
200	MAX	11849	11637	11840	11904	12012	12286	12219	12295	12170	12012	11888	11943
	MIN	10768	10886	10931	10998	11112	11430	11598	11452	11236	10914	10940	10693
150	MAX	13623	13432	13665	13703	13853	14059	14022	14005	13968	13796	13698	13731
	MIN	12628	12722	12761	12934	13106	13345	13535	13384	13144	12807	12815	12512
100	MAX	16150	16089	16281	16302	16410	16627	16623	16597	16527	16329	16149	16178
	MIN	15357	15348	15329	15628	15819	16039	16235	16090	15808	15442	15457	15291

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	112	95	99	97	63	58	55	67	74	89	101	106
850	119	99	101	101	65	61	59	69	74	91	100	106
700	140	111	114	116	76	73	70	78	79	100	105	115
500	190	148	152	154	110	104	91	104	104	134	132	150
300	248	191	194	202	160	152	127	153	149	187	173	208
200	219	162	167	178	146	135	112	143	143	176	152	205
150	194	151	159	160	128	114	87	119	132	161	135	192
100	172	156	160	149	107	99	69	97	118	157	109	176

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	2	9	3	7	13	19	19	16	11	11	8	5
	MIN	30-	32-	30-	27-	17-	3-	0	0	5-	15-	22-	29-
850	MAX	4	4	3	2	6	12	12	12	7	11	6	4
	MIN	32-	32-	35-	26-	20-	7-	2-	6-	12-	16-	24-	34-
700	MAX	1-	5-	2-	3-	1-	4	5	5	0	3	3-	2-
	MIN	34-	36-	40-	29-	27-	17-	12-	16-	22-	25-	31-	37-
500	MAX	16-	19-	19-	17-	12-	10-	8-	6-	13-	14-	17-	15-
	MIN	46-	48-	46-	43-	42-	34-	26-	32-	36-	43-	44-	49-
300	MAX	43-	44-	38-	40-	40-	36-	34-	31-	35-	42-	41-	38-
	MIN	62-	61-	60-	61-	58-	54-	53-	55-	55-	61-	62-	64-
200	MAX	42-	41-	40-	41-	41-	37-	37-	40-	41-	42-	41-	40-
	MIN	70-	72-	67-	69-	61-	63-	61-	62-	64-	69-	70-	73-
150	MAX	40-	39-	38-	40-	41-	39-	39-	39-	41-	42-	41-	37-
	MIN	63-	65-	57-	57-	55-	61-	56-	57-	60-	63-	58-	70-
100	MAX	39-	38-	38-	40-	41-	39-	39-	43-	44-	43-	41-	38-
	MIN	68-	63-	58-	55-	55-	53-	53-	55-	57-	58-	57-	71-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	8.2	7.5	7.1	5.5	5.8	4.7	3.9	3.0	3.3	4.3	5.3	6.9
850	7.5	6.6	6.2	5.1	4.8	4.0	3.4	3.3	3.4	4.8	5.4	6.6
700	6.8	5.7	5.5	5.1	4.5	3.7	3.0	3.6	3.6	4.8	5.1	5.5
500	6.2	5.7	5.4	5.3	4.7	4.0	3.2	4.3	4.0	5.3	5.2	5.5
300	3.7	3.3	3.6	3.7	3.3	3.4	3.2	3.8	3.4	3.8	3.6	4.3
200	6.5	5.8	4.9	5.3	3.8	5.4	5.6	5.2	4.0	4.8	5.0	5.9
150	4.9	4.8	3.9	3.4	2.4	3.2	3.1	3.1	2.7	3.5	3.3	5.0
100	5.1	4.6	4.1	3.2	2.1	2.4	2.4	2.4	2.4	3.0	3.1	5.5

NORTH PLATTE, NEBRASKA, WBAS

ELEVATION 848 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	740	730	740	710	660	630	660	660	690	700	750	750
	MIN	405	400	300	320	330	370	410	430	400	380	360	310
850	MAX	1576	1598	1602	1624	1564	1569	1595	1588	1601	1603	1596	1610
	MIN	1282	1322	1181	1265	1300	1333	1409	1431	1353	1322	1281	1235
700	MAX	3134	3128	3113	3187	3191	3226	3260	3261	3222	3188	3178	3146
	MIN	2781	2779	2700	2827	2871	2951	3074	3090	3004	2919	2834	2796
500	MAX	5771	5750	5759	5799	5898	5946	5991	5991	5951	5883	5838	5777
	MIN	5192	5206	5275	5339	5448	5577	5726	5743	5608	5453	5279	5234
300	MAX	9425	9399	9425	9481	9613	9725	9825	9830	9721	9641	9519	9435
	MIN	8656	8623	8714	8834	9027	9169	9401	9454	9157	8934	8736	8752
200	MAX	12042	12000	12035	12107	12290	12456	12586	12580	12443	12332	12153	12047
	MIN	11306	11287	11409	11490	11664	11843	12037	12134	11841	11631	11417	11383
150	MAX	13843	13840	13795	13908	14057	14229	14387	14378	14260	14120	13960	13811
	MIN	13195	13157	13298	13356	13434	13730	13881	13920	13736	13494	13291	13249
100	MAX	16297	16336	16288	16381	16514	16727	16791	16791	16672	16551	16436	16278
	MIN	15820	15781	15889	15983	15975	16321	16421	16459	16314	16059	15855	15831

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	70	62	74	69	57	52	43	38	54	58	66	70
850	61	53	61	60	49	44	34	30	44	50	61	64
700	63	60	60	60	49	45	31	28	42	53	71	66
500	100	102	90	89	74	68	43	39	61	83	113	101
300	148	151	137	136	114	102	68	63	95	129	168	147
200	137	132	123	134	120	119	87	80	111	140	162	136
150	117	114	98	109	100	110	85	79	102	130	139	108
100	96	98	76	89	89	82	66	61	77	103	106	85

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	MAX	15	18	16	24	25	33	34	31	30	26	18	19
	MIN	27-	24-	23-	8-	6-	0	8	6	0	9-	19-	24-
700	MAX	7	5	8	11	14	18	19	18	16	13	9	11
	MIN	24-	30-	23-	18-	10-	6-	0	1	7-	15-	23-	24-
500	MAX	13-	14-	13-	10-	9-	4-	2-	1-	5-	6-	10-	7-
	MIN	40-	41-	38-	34-	24-	25-	13-	14-	21-	31-	37-	36-
300	MAX	39-	40-	38-	37-	34-	31-	28-	29-	31-	32-	27-	39-
	MIN	57-	56-	58-	56-	51-	47-	40-	40-	48-	51-	55-	54-
200	MAX	43-	44-	38-	43-	39-	46-	48-	45-	45-	44-	40-	41-
	MIN	68-	70-	68-	67-	70-	65-	61-	60-	65-	67-	67-	68-
150	MAX	46-	44-	45-	47-	46-	50-	56-	55-	50-	47-	47-	46-
	MIN	74-	69-	65-	65-	68-	72-	70-	68-	69-	70-	75-	78-
100	MAX	50-	49-	49-	48-	52-	55-	57-	56-	55-	53-	51-	51-
	MIN	67-	71-	67-	67-	69-	72-	75-	73-	71-	74-	73-	72-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	9.1	8.6	8.5	7.4	5.9	6.2	4.5	4.5	6.0	7.0	7.9	7.7
700	6.4	6.3	6.1	6.0	4.9	4.8	3.2	3.1	4.3	5.5	6.5	6.1
500	5.1	5.0	4.6	4.4	3.5	3.1	2.0	2.2	2.9	4.1	5.2	4.9
300	3.5	3.2	3.3	3.1	3.1	2.8	2.4	2.4	2.9	3.2	3.5	3.2
200	5.8	5.9	6.0	5.4	5.0	3.6	2.2	2.2	3.3	4.0	5.4	5.5
150	4.2	4.2	3.7	3.8	4.0	4.1	2.7	2.8	3.5	3.6	4.9	4.9
100	3.7	4.2	3.6	3.1	3.2	3.7	3.2	3.0	3.1	3.8	4.1	3.6

NORTHWAY, ALASKA, WBO

ELEVATION 524 METERS MSL JAN1946 MAY1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	780	810	740	730	690	670	640	660	700	720	750	760
	MIN	150	260	290	250	330	340	420	340	300	210	210	240
850	MAX	1596	1649	1610	1623	1589	1602	1574	1581	1608	1576	1589	1569
	MIN	970	1081	1114	1147	1250	1257	1349	1268	1166	1099	1065	1061
700	MAX	3083	3116	3169	3164	3124	3167	3190	3180	3163	3094	3077	3081
	MIN	2423	2572	2579	2648	2739	2796	2916	2836	2672	2611	2542	2536
500	MAX	5602	5717	5733	5723	5745	5791	5871	5846	5825	5678	5635	5596
	MIN	4853	4936	4970	5107	5164	5325	5462	5356	5167	5076	4982	4980
300	MAX	9178	9338	9279	9298	9414	9511	9626	9579	9560	9364	9318	9195
	MIN	8259	8202	8342	8443	8548	8814	8958	8884	8673	8415	8296	8260
200	MAX	11713	11925	11817	11850	12048	12164	12296	12256	12219	12010	11946	11628
	MIN	10790	10754	10998	11076	11215	11527	11691	11520	11292	11034	10951	10936
150	MAX	13483	13651	13619	13663	13869	13954	14086	14048	14013	13773	13689	13497
	MIN	12731	12804	12914	12953	13136	13443	13611	13432	13190	12967	12858	12796
100	MAX	16125	16175	16266	16272	16448	16562	16641	16608	16590	16306	16259	16073
	MIN	15301	15387	15563	15591	15860	16162	16310	16139	15844	15625	15511	15300

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	109	92	92	92	60	56	46	55	76	95	97	97
850	111	92	90	87	62	61	50	58	78	95	93	95
700	118	99	97	86	71	71	59	69	86	97	97	95
500	149	129	131	109	103	95	78	100	115	119	127	113
300	194	171	180	155	156	136	112	156	177	173	184	166
200	180	161	150	132	144	124	106	153	182	169	162	148
150	172	138	135	119	128	100	86	120	159	150	146	146
100	183	153	132	114	115	79	68	93	134	131	129	155

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	4-	0	7	10	25	26	29	27	20			
	MIN	49-	38-	25-	15-	2-	1-	9	2	2-			
850	MAX	5	5	5	6	20	20	20	18	15	7	7	0
	MIN	40-	36-	32-	23-	9-	4-	2	5-	9-	23-	38-	35-
700	MAX	1-	0-	4-	4-	4	7	6	7	6	1	1	5-
	MIN	39-	36-	36-	30-	20-	11-	9-	16-	21-	22-	40-	34-
500	MAX	18-	17-	18-	19-	12-	10-	8-	6-	9-	14-	13-	18-
	MIN	45-	46-	44-	43-	40-	29-	28-	31-	32-	38-	44-	45-
300	MAX	41-	43-	42-	40-	38-	39-	35-	34-	38-	40-	39-	41-
	MIN	65-	62-	60-	60-	58-	55-	51-	53-	58-	62-	62-	66-
200	MAX	37-	39-	39-	40-	40-	39-	41-	40-	40-	42-	44-	41-
	MIN	71-	71-	66-	66-	63-	65-	62-	63-	64-	65-	70-	64-
150	MAX	40-	39-	40-	40-	42-	41-	43-	42-	44-	44-	43-	40-
	MIN	68-	63-	60-	57-	56-	59-	60-	67-	64-	63-	62-	62-
100	MAX	40-	39-	40-	42-	43-	42-	43-	43-	45-	44-	40-	39-
	MIN	67-	64-	59-	57-	56-	57-	56-	57-	61-	60-	59-	63-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	10.1	8.8	7.4	5.7	4.9	4.2	4.4	4.9	5.5			
850	9.1	8.9	6.9	5.3	4.5	4.1	3.6	4.5	4.9	5.0	8.0	7.1
700	6.2	6.0	5.6	4.4	4.1	3.4	2.7	3.9	4.4	4.1	6.4	5.4
500	5.4	5.2	5.4	5.0	4.7	3.5	3.0	4.4	4.8	5.0	5.9	5.1
300	4.0	3.4	3.4	3.3	3.7	3.1	3.0	4.0	4.5	4.0	3.8	4.2
200	6.1	6.0	4.9	4.8	4.3	5.6	5.0	5.7	4.8	5.0	4.4	4.8
150	4.7	4.7	3.7	3.2	2.5	3.3	2.8	4.2	3.7	3.8	3.3	4.0
100	5.0	4.5	3.7	3.1	2.3	2.4	2.1	2.8	3.1	3.5	3.5	4.7

OAKLAND, CALIFORNIA, WBAS

ELEVATION 6 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	700	700	700	650	670	640	620	610	610	630	690	700
	MIN	460	460	440	490	480	490	500	480	490	470	440	460
850	MAX	1634	1615	1606	1590	1580	1556	1576	1563	1565	1585	1609	1613
	MIN	1357	1336	1339	1390	1390	1423	1451	1423	1428	1369	1339	1355
700	MAX	3235	3210	3188	3224	3208	3220	3239	3230	3221	3219	3240	3227
	MIN	2874	2837	2862	2901	2921	2966	3061	3038	2993	2915	2876	2864
500	MAX	5863	5855	5844	5895	5925	5957	5948	5958	5944	5912	5962	5866
	MIN	5305	5287	5298	5358	5436	5508	5684	5634	5502	5444	5394	5341
300	MAX	9566	9507	9566	9577	9707	9774	9763	9746	9768	9703	9712	9569
	MIN	8783	8721	8767	8816	8921	9044	9360	9298	9078	9034	8886	8838
200	MAX	12232	12198	12201	12215	12414	12482	12517	12483	12498	12379	12389	12245
	MIN	11497	11440	11428	11523	11643	11749	12022	12019	11836	11723	11513	11496
150	MAX	14001	14006	13930	14048	14223	14264	14322	14285	14304	14147	14161	13970
	MIN	13360	13326	13315	13414	13548	13638	13861	13892	13726	13596	13370	13379
100	MAX	16479	16482	16375	16438	16672	16694	16767	16746	16742	16578	16563	16459
	MIN	15911	15909	15932	16027	16170	16256	16414	16441	16304	16203	15970	15988

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	48	42	43	33	30	28	24	23	25	29	40	46
850	54	48	48	38	31	25	21	22	26	32	48	51
700	77	71	69	59	51	42	30	34	43	50	70	71
500	119	112	110	100	91	76	44	54	70	82	108	109
300	166	159	159	142	138	118	68	81	106	117	160	154
200	157	155	150	137	137	132	84	94	115	120	169	155
150	140	138	122	108	109	119	80	82	108	106	155	138
100	109	115	94	82	89	83	57	57	84	79	123	108

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	20	19	21	25	28	33	32	33	35	30	25	21
	MIN	2-	1	1	2	5	6	7	7	9	6	4	0
850	MAX	17	17	16	20	23	27	29	28	29	24	22	17
	MIN	8-	6-	5-	4-	0-	1	4	5	3	0	2-	6-
700	MAX	9	6	5	8	13	17	14	16	15	11	11	6
	MIN	19-	18-	16-	15-	10-	7-	1	5-	8-	13-	12-	16-
500	MAX	10-	13-	11-	9-	6-	2-	1-	3-	3-	5-	7-	9-
	MIN	38-	36-	35-	32-	31-	24-	16-	18-	27-	27-	30-	35-
300	MAX	36-	34-	38-	36-	35-	30-	29-	28-	28-	31-	32-	34-
	MIN	56-	55-	54-	52-	48-	48-	42-	43-	46-	50-	54-	54-
200	MAX	42-	42-	42-	41-	42-	43-	45-	41-	44-	44-	44-	42-
	MIN	68-	69-	68-	69-	65-	63-	60-	61-	61-	65-	66-	68-
150	MAX	46-	47-	46-	47-	47-	48-	51-	50-	50-	50-	49-	48-
	MIN	67-	69-	73-	71-	71-	70-	69-	66-	68-	71-	71-	74-
100	MAX	54-	52-	49-	52-	51-	54-	55-	55-	54-	57-	54-	53-
	MIN	70-	72-	68-	67-	70-	69-	73-	71-	73-	76-	75-	71-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	3.8	3.9	4.0	4.9	5.3	5.4	5.2	5.5	6.4	4.7	4.4	3.4
850	5.3	5.2	5.0	5.6	5.8	5.4	3.5	4.0	5.1	4.8	5.2	5.0
700	5.2	5.2	4.7	5.0	5.1	4.4	2.6	3.1	3.8	4.3	4.8	4.9
500	4.7	4.6	4.6	4.1	4.3	3.9	2.2	2.6	3.3	3.7	4.4	4.6
300	3.2	2.9	2.9	2.8	2.6	3.1	2.4	2.5	2.6	2.6	3.4	3.4
200	6.3	6.0	6.3	5.0	4.5	3.7	2.2	2.7	2.9	3.7	4.2	5.5
150	4.1	3.9	4.8	4.2	4.5	4.5	3.2	3.5	3.0	3.5	4.2	4.5
100	4.2	4.6	3.8	3.2	3.2	3.4	2.7	3.2	3.3	3.3	4.7	3.9

OKLAHOMA CITY, OKLAHOMA, WBAS

ELEVATION 392 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	720	700	700	700	630	650	630	630	660	690	710	730
	MIN	391	370	360	330	391	430	500	500	450	420	400	391
850	MAX	1602	1583	1602	1597	1568	1600	1603	1604	1603	1603	1631	1625
	MIN	1309	1318	1307	1277	1350	1406	1476	1482	1429	1396	1322	1317
700	MAX	3189	3166	3166	3200	3210	3256	3259	3261	3256	3229	3228	3192
	MIN	2882	2883	2866	2879	2973	3038	3117	3108	3074	3009	2840	2855
500	MAX	5852	5817	5847	5880	5931	5980	5994	5992	5977	5943	5878	5853
	MIN	5404	5378	5359	5420	5593	5631	5817	5789	5767	5522	5361	5329
300	MAX	9555	9500	9548	9620	9679	9779	9829	9846	9782	9787	9601	9569
	MIN	8846	8856	8885	8869	9167	9236	9533	9543	9461	9030	8946	8895
200	MAX	12198	12144	12184	12321	12389	12543	12579	12594	12530	12530	12284	12186
	MIN	11545	11551	11585	11569	11837	11917	12189	12202	12138	11679	11698	11612
150	MAX	13993	13945	13971	14007	14202	14399	14382	14394	14339	14326	14052	13962
	MIN	13422	13425	13456	13462	13689	13800	14009	13975	13948	13544	13530	13474
100	MAX	16503	16400	16486	16518	16623	16760	16813	16776	16740	16680	16465	16368
	MIN	16031	16029	16048	16093	16250	16400	16537	16485	16446	16123	16076	16074

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	64	56	65	58	43	36	27	26	36	45	62	63
850	52	48	54	52	37	32	24	21	31	38	55	54
700	56	54	55	57	39	36	24	23	31	43	60	58
500	88	88	85	81	60	54	30	32	40	66	89	89
300	133	126	122	120	89	83	47	51	63	108	117	125
200	129	118	118	125	103	102	62	66	79	128	114	117
150	109	102	102	102	100	101	63	66	77	119	101	98
100	88	80	87	81	77	72	51	51	61	89	80	73

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	22	20	26	26	30	34	35	35	34	29	22	26
	MIN	15-	14-	13-	0	4	11	14	13	11	4	8-	13-
850	MAX	19	19	20	24	27	29	29	29	27	26	19	22
	MIN	16-	19-	16-	7-	3-	7	11	12	8	3-	9-	14-
700	MAX	10	8	10	12	17	17	16	15	14	13	12	14
	MIN	19-	19-	18-	16-	7-	2-	4	4	1	11-	17-	21-
500	MAX	8-	11-	9-	8-	5-	2-	1-	0-	1-	2-	7-	5-
	MIN	33-	37-	34-	31-	24-	17-	11-	11-	13-	28-	31-	33-
300	MAX	35-	33-	35-	35-	33-	29-	27-	28-	28-	31-	26-	32-
	MIN	53-	53-	56-	53-	47-	46-	39-	39-	41-	48-	51-	50-
200	MAX	44-	43-	41-	42-	44-	47-	49-	44-	47-	46-	45-	42-
	MIN	67-	67-	65-	68-	65-	60-	63-	59-	61-	63-	66-	68-
150	MAX	48-	48-	47-	50-	50-	51-	55-	57-	55-	52-	51-	49-
	MIN	72-	70-	68-	67-	70-	70-	72-	72-	71-	72-	73-	71-
100	MAX	54-	53-	55-	53-	56-	57-	58-	59-	60-	54-	55-	54-
	MIN	74-	73-	70-	70-	74-	76-	76-	77-	78-	77-	75-	73-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	8.3	7.0	7.1	5.7	4.5	3.9	3.5	3.5	4.1	5.2	6.2	6.7
850	7.2	6.8	7.3	6.0	4.5	3.6	2.8	3.2	3.7	4.9	6.0	6.6
700	5.5	5.0	5.2	4.5	3.8	3.1	2.0	2.0	2.3	3.9	4.9	5.3
500	4.2	4.2	4.2	3.3	2.7	2.6	1.6	1.8	2.3	3.6	4.2	4.2
300	3.5	3.1	3.3	2.9	2.4	2.4	1.9	2.0	2.6	3.4	3.3	3.1
200	5.6	5.5	5.1	4.5	3.4	2.2	1.7	1.7	2.2	2.9	4.4	4.9
150	4.7	3.8	3.7	3.6	3.8	3.3	2.2	2.3	2.5	3.2	3.9	4.6
100	3.8	3.9	3.4	3.1	3.5	3.6	2.8	2.4	3.3	4.1	3.6	3.8

OMAHA, NEBRASKA, WBAS

ELEVATION 403 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	730	730	730	710	640	660	650	650	700	710	700	760
	MIN	340	350	260	320	370	420	430	490	410	420	300	340
850	MAX	1578	1587	1591	1629	1579	1595	1602	1598	1620	1604	1606	1622
	MIN	1210	1247	1145	1240	1289	1352	1430	1468	1386	1374	1240	1239
700	MAX	3126	3121	3116	3178	3216	3262	3264	3269	3243	3216	3199	3127
	MIN	2741	2796	2680	2820	2847	2945	3086	3085	2999	2895	2769	2758
500	MAX	5749	5717	5757	5819	5911	5965	5994	5981	5977	5891	5832	5747
	MIN	5244	5217	5166	5330	5435	5533	5720	5735	5588	5372	5286	5273
300	MAX	9416	9360	9411	9474	9639	9751	9808	9796	9782	9664	9514	9450
	MIN	8630	8645	8617	8813	8946	9081	9388	9406	9188	8859	8728	8713
200	MAX	12013	11947	12037	12127	12341	12487	12570	12562	12507	12405	12180	12105
	MIN	11304	11323	11335	11449	11653	11806	12031	12005	11880	11505	11432	11366
150	MAX	13773	13785	13863	13949	14147	14304	14374	14384	14303	14198	13964	13832
	MIN	13166	13207	13196	13336	13555	13706	13892	13804	13762	13377	13301	13235
100	MAX	16293	16312	16341	16451	16599	16748	16784	16818	16763	16568	16447	16260
	MIN	15839	15793	15881	15962	16161	16310	16469	16356	16349	15983	15894	15851

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	69	61	72	63	47	42	34	31	47	53	69	68
850	58	52	61	58	45	39	30	25	39	47	64	60
700	63	62	66	66	52	48	33	30	44	58	77	66
500	101	104	97	99	80	73	46	45	67	93	118	102
300	155	152	141	147	120	111	74	77	100	137	170	148
200	136	134	125	144	125	129	93	97	118	139	162	130
150	109	109	108	122	110	122	89	94	109	125	137	107
100	85	92	85	99	85	89	58	66	87	94	104	80

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	14	17	21	25	27	33	35	35	32	28	21	14
	MIN	25-	21-	21-	6-	0	6	13	9	5	1-	17-	22-
850	MAX	14	15	16	22	21	28	31	28	27	25	18	19
	MIN	23-	25-	22-	10-	6-	0-	9	1	1-	7-	22-	19-
700	MAX	4	4	4	8	13	16	19	14	13	13	10	11
	MIN	25-	26-	30-	20-	14-	6-	1	0	6-	15-	22-	22-
500	MAX	13-	13-	14-	11-	6-	3-	2-	2-	4-	5-	9-	6-
	MIN	40-	41-	41-	36-	30-	25-	14-	14-	22-	32-	38-	36-
300	MAX	36-	41-	39-	38-	34-	30-	29-	28-	30-	30-	27-	37-
	MIN	58-	57-	57-	55-	50-	47-	41-	43-	47-	53-	54-	55-
200	MAX	43-	43-	41-	42-	41-	43-	47-	48-	44-	43-	39-	39-
	MIN	68-	68-	69-	68-	66-	64-	60-	63-	66-	64-	65-	67-
150	MAX	45-	46-	45-	47-	48-	48-	53-	54-	50-	47-	44-	44-
	MIN	69-	67-	63-	65-	74-	69-	70-	68-	68-	69-	69-	74-
100	MAX	51-	50-	49-	50-	51-	55-	56-	56-	54-	49-	52-	50-
	MIN	66-	68-	68-	66-	70-	70-	73-	72-	71-	74-	72-	69-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	8.2	8.0	8.0	6.8	5.2	4.9	4.0	4.3	5.3	6.4	7.3	7.1
850	7.7	7.5	7.8	7.0	5.1	5.1	4.1	4.4	5.4	6.4	7.5	6.8
700	6.2	6.1	5.8	5.6	4.5	4.2	3.1	2.8	4.0	5.2	6.3	6.0
500	5.2	5.0	4.5	4.4	3.5	3.2	2.2	2.5	3.0	4.2	5.2	5.0
300	3.7	2.9	3.4	3.3	3.1	3.2	2.8	2.8	2.9	3.2	3.5	3.3
200	5.9	5.9	5.8	5.4	4.8	3.2	2.3	2.2	3.3	4.0	5.5	5.9
150	4.1	3.7	3.6	4.0	4.3	4.0	3.2	3.1	3.5	3.9	4.7	4.7
100	3.6	3.8	3.6	3.4	3.4	3.5	3.3	3.0	3.2	3.9	4.5	3.8

PHOENIX, ARIZONA, WBAS

ELEVATION 341 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	680	680	670	610	600	590	580	610	590	600	640	680
	MIN	440	450	410	460	420	430	460	470	460	460	480	440
850	MAX	1601	1593	1571	1578	1550	1552	1558	1567	1570	1575	1590	1603
	MIN	1368	1371	1351	1373	1375	1413	1448	1466	1439	1406	1406	1361
700	MAX	3213	3195	3187	3215	3223	3246	3236	3236	3245	3232	3229	3205
	MIN	2873	2902	2920	2921	2957	3045	3126	3112	3083	3001	2964	2871
500	MAX	5919	5856	5831	5883	5934	5986	5981	5971	5968	5947	5931	5897
	MIN	5323	5401	5399	5439	5526	5652	5839	5818	5750	5586	5465	5310
300	MAX	9661	9566	9586	9558	9697	9757	9825	9797	9788	9747	9683	9633
	MIN	8830	8894	8919	8938	9042	9328	9602	9576	9457	9237	8993	8844
200	MAX	12326	12243	12252	12187	12399	12494	12591	12556	12536	12484	12359	12285
	MIN	11546	11600	11635	11643	11760	11995	12283	12246	12180	11890	11702	11579
150	MAX	14120	14021	14011	13989	14204	14295	14387	14342	14347	14297	14150	14019
	MIN	13477	13453	13511	13538	13662	13853	14076	14014	13977	13729	13569	13483
100	MAX	16528	16478	16468	16514	16622	16690	16777	16760	16770	16713	16570	16501
	MIN	16065	16021	16086	16112	16208	16392	16544	16544	16463	16238	16126	16068

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	40	37	36	31	25	21	23	20	24	31	34	37
850	42	39	36	30	25	22	20	17	23	30	39	40
700	62	59	51	45	40	33	22	22	31	44	60	58
500	106	98	87	72	69	52	27	29	40	66	101	98
300	155	136	124	101	104	80	41	45	58	94	148	142
200	153	136	121	96	108	100	57	59	69	106	146	139
150	133	121	99	79	94	96	61	61	67	102	129	120
100	95	93	79	67	71	71	49	46	59	78	96	90

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	25	25	28	34	39	41	42	40	42	35	29	25
	MIN	2	4	6	7	13	19	23	20	17	10	6	3
850	MAX	21	18	21	26	30	33	34	32	34	27	22	19
	MIN	5-	4-	0-	1	6	13	18	16	12	2	0	3-
700	MAX	10	7	7	10	15	18	18	18	18	14	11	10
	MIN	18-	17-	14-	9-	6-	0-	7	7	4	6-	10-	16-
500	MAX	8-	11-	7-	9-	5-	2-	2-	1-	2-	4-	5-	7-
	MIN	33-	34-	32-	29-	26-	18-	12-	10-	13-	21-	30-	34-
300	MAX	27-	33-	36-	35-	35-	30-	29-	28-	29-	32-	30-	28-
	MIN	52-	54-	52-	51-	49-	46-	38-	38-	40-	47-	49-	54-
200	MAX	43-	41-	44-	44-	45-	45-	50-	50-	47-	47-	43-	44-
	MIN	67-	68-	66-	67-	66-	63-	60-	59-	58-	62-	64-	67-
150	MAX	49-	50-	50-	49-	49-	51-	59-	60-	58-	53-	51-	49-
	MIN	72-	69-	71-	72-	71-	71-	71-	70-	70-	72-	74-	75-
100	MAX	54-	54-	55-	55-	56-	59-	62-	63-	61-	58-	53-	56-
	MIN	75-	73-	71-	69-	72-	74-	75-	74-	76-	76-	77-	77-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	4.9	5.0	4.7	5.0	4.6	3.7	3.9	3.6	3.7	4.7	5.0	4.5
850	5.4	5.2	4.5	4.6	4.4	3.5	2.9	2.7	3.2	4.5	5.2	4.9
700	5.5	5.1	4.4	3.8	4.0	3.1	2.1	1.9	2.4	3.5	5.0	4.9
500	4.9	4.3	3.9	3.1	3.2	2.6	1.4	1.7	2.1	2.9	4.6	4.5
300	3.4	3.1	2.9	2.3	2.3	2.4	1.8	2.0	2.1	2.6	3.1	3.3
200	5.4	5.6	5.3	4.2	3.9	2.4	1.6	1.6	1.9	2.9	4.1	4.8
150	4.6	3.5	3.8	3.7	3.9	3.3	1.9	2.0	2.2	2.6	4.0	4.8
100	4.5	4.3	3.2	2.9	3.4	3.7	3.1	2.2	2.5	3.4	4.1	4.4

PITTSBURGH, PENNSYLVANIA, WBAS

ELEVATION 353 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	710	730	740	700	700	660	690	670	740	730	710	750
	MIN	350	370	320	410	440	440	490	490	490	420	330	380
850	MAX	1586	1601	1608	1616	1654	1607	1638	1623	1668	1630	1615	1625
	MIN	1272	1242	1234	1306	1353	1363	1441	1451	1416	1326	1172	1276
700	MAX	3159	3152	3144	3222	3253	3239	3266	3269	3293	3248	3192	3169
	MIN	2753	2657	2700	2816	2885	2930	3047	3059	2966	2858	2614	2771
500	MAX	5818	5753	5766	5852	5898	5939	5962	5974	5976	5917	5825	5790
	MIN	5186	5034	5107	5272	5396	5507	5637	5671	5547	5356	5055	5205
300	MAX	9507	9415	9478	9528	9616	9752	9779	9760	9749	9702	9561	9473
	MIN	8587	8434	8602	8765	8843	9086	9240	9290	9135	8858	8635	8635
200	MAX	12146	12063	12118	12204	12278	12506	12527	12497	12474	12420	12262	12138
	MIN	11216	11105	11297	11455	11558	11770	11963	11963	11841	11533	11345	11302
150	MAX	13897	13868	13818	13996	14048	14310	14331	14306	14274	14199	13952	13923
	MIN	13068	12996	13152	13360	13398	13665	13858	13830	13704	13392	13218	13146
100	MAX	16341	16370	16347	16409	16539	16755	16780	16801	16710	16633	16405	16379
	MIN	15660	15716	15792	15952	15985	16287	16453	16405	16282	16075	15834	15754

STANDARD DEVIATIONS OF HEIGHTS

MBS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	63	70	61	55	46	39	33	31	45	54	60	60
850	59	70	59	58	49	41	35	33	44	57	62	58
700	84	92	83	79	65	53	42	42	56	77	87	81
500	136	139	133	119	96	76	59	60	78	116	136	129
300	199	188	186	171	148	124	93	97	114	167	192	185
200	191	172	170	160	151	146	112	118	129	174	178	172
150	158	145	145	124	125	132	98	100	116	149	146	148
100	117	124	112	89	101	92	66	68	92	103	116	120

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	20	16	21	24	26	27	29	29	29	25	21	18
	MIN	16-	18-	15-	8-	0-	9	11	9	4	3-	13-	17-
850	MAX	14	11	15	17	20	22	23	22	23	19	17	11
	MIN	24-	25-	23-	15-	7-	2	5	4	2-	9-	21-	20-
700	MAX	7	3	7	6	9	12	12	11	12	8	7	5
	MIN	26-	30-	27-	21-	17-	8-	3-	4-	8-	17-	25-	29-
500	MAX	10-	12-	10-	9-	7-	2-	3-	3-	5-	3-	9-	11-
	MIN	38-	42-	40-	34-	33-	25-	21-	18-	21-	30-	35-	39-
300	MAX	38-	36-	37-	36-	35-	29-	29-	27-	29-	29-	23-	28-
	MIN	56-	57-	54-	53-	53-	48-	45-	45-	46-	50-	57-	55-
200	MAX	43-	40-	39-	41-	42-	44-	46-	44-	46-	43-	40-	39-
	MIN	67-	72-	70-	68-	65-	64-	61-	62-	61-	66-	67-	67-
150	MAX	45-	43-	43-	45-	47-	49-	50-	50-	51-	47-	46-	45-
	MIN	72-	69-	68-	71-	72-	70-	69-	70-	70-	69-	72-	73-
100	MAX	50-	46-	48-	50-	52-	54-	53-	52-	54-	51-	50-	47-
	MIN	69-	69-	67-	66-	68-	71-	72-	70-	72-	73-	71-	73-

STANDARD DEVIATIONS OF TEMPERATURES

MBS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	7.8	7.0	7.4	6.4	5.1	4.0	3.2	3.6	4.8	5.8	6.7	6.8
850	8.3	7.4	7.9	6.6	4.9	3.9	3.1	3.3	4.8	5.8	7.3	7.6
700	6.8	6.4	6.8	5.4	4.4	3.5	2.6	2.8	3.5	5.0	6.5	6.6
500	5.7	5.3	5.5	4.6	4.0	3.3	2.8	2.8	3.1	4.7	5.5	5.4
300	3.8	3.4	3.5	3.3	3.6	3.8	3.0	3.3	3.4	3.6	4.2	3.9
200	6.2	6.5	6.1	6.0	4.6	3.1	2.5	2.8	2.9	4.2	5.6	5.9
150	5.1	4.3	4.1	5.4	5.1	4.8	4.1	4.4	3.5	4.3	5.0	4.8
100	4.3	4.8	3.9	3.5	3.3	3.7	3.7	3.6	3.6	4.2	4.4	4.7

PORTLAND, MAINE, WBAS

ELEVATION 20 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	760	740	700	710	690	690	680	690	730	730	720	760
	MIN	300	230	240	310	350	420	420	460	410	360	340	310
850	MAX	1605	1588	1565	1609	1610	1609	1623	1622	1665	1635	1598	1637
	MIN	1167	1105	1100	1196	1234	1344	1348	1378	1331	1263	1237	1171
700	MAX	3151	3127	3134	3200	3196	3223	3245	3254	3249	3235	3151	3174
	MIN	2675	2550	2570	2715	2755	2902	2947	2950	2861	2821	2726	2676
500	MAX	5808	5725	5777	5805	5850	5911	5949	5984	5927	5932	5794	5774
	MIN	5091	4936	5012	5130	5253	5456	5604	5524	5384	5326	5111	5075
300	MAX	9470	9375	9435	9438	9559	9660	9740	9812	9729	9708	9512	9440
	MIN	8454	8429	8440	8502	8743	9034	9239	9089	8947	8812	8553	8468
200	MAX	12093	11973	12045	12098	12234	12389	12476	12549	12447	12408	12190	12050
	MIN	11189	11088	11165	11181	11432	11693	11878	11853	11702	11514	11275	11111
150	MAX	13813	13714	13832	13837	13993	14181	14277	14349	14248	14196	13999	13792
	MIN	13050	12915	13050	13071	13336	13563	13753	13753	13608	13409	13162	12940
100	MAX	16260	16241	16323	16294	16445	16602	16682	16782	16649	16637	16364	16248
	MIN	15737	15667	15668	15842	15945	16189	16353	16380	16215	16013	15798	15448

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	82	94	79	68	53	50	44	42	58	63	71	76
850	82	93	81	69	58	52	43	43	58	66	74	78
700	101	108	100	82	76	62	48	52	71	82	94	102
500	149	149	149	118	114	89	64	76	99	118	139	157
300	206	198	207	174	165	141	100	123	141	166	193	223
200	185	167	182	160	160	151	114	138	152	170	184	199
150	146	142	154	118	127	124	94	118	133	151	156	176
100	102	106	122	89	99	86	62	76	91	117	111	156

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	16	11	16	21	23	25	28	28	25	23	16	18
	MIN	22-	24-	20-	14-	2-	5	9	10	2	3-	12-	23-
850	MAX	11	8	14	14	17	20	22	24	19	17	13	12
	MIN	23-	25-	25-	21-	8-	0-	5	3	5-	9-	13-	28-
700	MAX	7	0	3	3	6	10	10	12	9	9	7	5
	MIN	28-	32-	29-	29-	16-	9-	4-	5-	15-	17-	22-	29-
500	MAX	13-	13-	12-	11-	9-	5-	4-	2-	5-	5-	8-	11-
	MIN	40-	44-	42-	43-	36-	24-	19-	21-	26-	34-	41-	45-
300	MAX	38-	39-	39-	37-	35-	31-	26-	29-	31-	29-	31-	29-
	MIN	57-	56-	57-	57-	52-	49-	47-	47-	49-	52-	55-	58-
200	MAX	41-	37-	40-	41-	42-	42-	43-	42-	42-	42-	36-	38-
	MIN	68-	69-	70-	69-	68-	64-	63-	61-	64-	66-	67-	68-
150	MAX	43-	42-	41-	44-	45-	47-	48-	47-	50-	47-	47-	43-
	MIN	72-	67-	66-	68-	73-	72-	69-	69-	71-	69-	72-	69-
100	MAX	48-	49-	46-	48-	51-	51-	51-	50-	49-	51-	50-	44-
	MIN	67-	67-	67-	66-	66-	68-	68-	71-	71-	73-	70-	67-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	7.0	6.5	6.4	4.9	5.1	4.7	3.5	3.9	4.8	5.7	5.7	6.9
850	7.1	7.0	7.1	5.6	5.1	4.3	3.2	3.8	5.0	5.8	6.1	7.3
700	6.7	6.4	6.8	5.2	4.8	3.9	2.9	3.3	4.5	4.9	6.0	7.2
500	5.9	5.7	6.0	5.0	4.7	3.8	2.9	3.4	3.8	4.6	5.5	6.6
300	3.7	3.8	3.9	3.7	3.5	4.0	3.2	3.8	3.6	3.8	4.1	4.3
200	7.2	7.2	6.3	6.6	5.8	4.4	3.3	3.6	3.8	4.7	6.0	6.6
150	5.8	4.8	4.5	4.8	5.6	5.5	4.6	5.1	4.4	4.2	4.8	4.7
100	4.2	4.1	3.8	3.6	3.1	3.3	3.2	4.2	4.0	4.1	4.1	4.1

RANTOUL, ILLINOIS, CHANUTE AFB

ELEVATION 227 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	710	720	740	680	680	660	680	650	700	700	720	700
	MIN	350	360	320	380	380	430	490	490	490	390	350	385
850	MAX	1576	1592	1593	1589	1604	1597	1615	1616	1622	1603	1620	1582
	MIN	1249	1230	1212	1264	1306	1356	1448	1444	1412	1307	1258	1274
700	MAX	3129	3133	3115	3165	3228	3237	3263	3263	3261	3217	3199	3157
	MIN	2687	2669	2743	2780	2885	2917	3039	3056	2976	2854	2726	2772
500	MAX	5748	5719	5721	5801	5905	5944	5974	5980	5978	5929	5814	5814
	MIN	5089	5042	5197	5269	5397	5515	5637	5687	5560	5348	5122	5218
300	MAX	9420	9351	9389	9472	9644	9746	9808	9794	9773	9723	9506	9525
	MIN	8531	8465	8619	8748	8894	9139	9245	9322	9131	8813	8631	8691
200	MAX	12063	11976	12047	12155	12339	12465	12549	12528	12485	12453	12165	12209
	MIN	11207	11207	11372	11429	11601	11834	11932	11942	11825	11465	11342	11339
150	MAX	13859	13735	13857	13967	14171	14287	14357	14345	14252	14252	13975	13969
	MIN	13085	13157	13209	13282	13501	13722	13802	13769	13694	13350	13225	13217
100	MAX	16264	16207	16361	16498	16554	16698	16772	16789	16695	16601	16437	16332
	MIN	15766	15778	15789	15949	16139	16305	16396	16315	16272	15993	15853	15785

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	65	63	63	60	45	39	30	28	41	51	65	62
850	58	62	58	60	47	41	31	30	39	54	65	58
700	73	81	73	78	63	53	40	40	51	75	87	72
500	121	122	114	117	94	78	59	58	75	112	134	114
300	177	172	163	170	140	117	98	97	113	159	189	165
200	162	149	147	158	145	140	121	119	130	170	176	148
150	142	114	126	128	122	130	110	112	119	155	149	124
100	106	90	103	100	91	88	76	78	89	115	106	103

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	15	16	21	23	29	33	31	30	32	28	24	14
	MIN	27-	23-	15-	5-	0	2	11	10	3	3-	20-	22-
850	MAX	11	11	16	18	20	23	27	24	24	20	16	16
	MIN	21-	25-	21-	14-	7-	2	5	3	4-	10-	24-	22-
700	MAX	4	7	5	7	13	14	16	13	12	10	9	7
	MIN	28-	30-	25-	19-	15-	8-	5-	1-	8-	17-	25-	27-
500	MAX	12-	13-	11-	10-	7-	2-	1	1-	4-	4-	11-	5-
	MIN	41-	42-	37-	34-	31-	24-	19-	17-	23-	30-	36-	37-
300	MAX	35-	36-	40-	35-	35-	31-	27-	28-	30-	31-	26-	35-
	MIN	56-	60-	55-	53-	50-	46-	46-	46-	46-	50-	55-	57-
200	MAX	40-	42-	38-	42-	41-	45-	44-	47-	44-	43-	40-	40-
	MIN	68-	69-	68-	67-	65-	62-	60-	59-	61-	64-	65-	67-
150	MAX	45-	44-	46-	46-	48-	49-	49-	52-	50-	47-	44-	44-
	MIN	74-	64-	63-	68-	72-	69-	69-	68-	70-	69-	68-	71-
100	MAX	51-	49-	50-	50-	52-	54-	56-	54-	52-	52-	49-	49-
	MIN	70-	69-	68-	66-	68-	71-	74-	74-	72-	75-	69-	74-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	7.5	7.1	7.3	6.7	5.6	5.1	3.6	4.1	5.4	6.2	7.5	6.7
850	7.5	7.2	8.0	6.7	5.0	4.4	3.7	3.8	5.2	6.3	7.6	6.9
700	6.4	5.9	6.3	5.5	4.6	3.8	3.1	2.9	3.7	5.2	6.5	6.1
500	5.8	5.0	4.9	4.7	3.8	3.1	2.9	2.8	3.3	4.4	5.5	5.2
300	3.6	3.3	3.4	3.4	3.2	3.3	3.2	3.3	3.2	3.5	3.7	3.4
200	6.1	6.0	5.9	6.0	4.5	2.9	2.5	2.4	3.1	3.9	5.7	6.0
150	4.7	3.9	3.6	4.5	4.5	4.3	4.0	3.6	3.5	4.2	4.8	4.8
100	4.5	4.0	3.7	3.2	3.3	3.8	3.9	3.5	3.8	4.2	4.0	4.2

RAPID CITY, SOUTH DAKOTA, WBAS

ELEVATION 966 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	770	710	790	700	680	670	660	660	690	720	780	740
	MIN	330	390	320	300	380	380	410	410	400	380	370	310
850	MAX	1582	1587	1644	1604	1582	1572	1590	1589	1601	1603	1611	1616
	MIN	1227	1303	1275	1245	1265	1334	1401	1396	1364	1322	1286	1259
700	MAX	3119	3164	3116	3173	3160	3240	3231	3250	3218	3186	3184	3148
	MIN	2728	2792	2821	2804	2851	2953	3045	3064	2934	2906	2816	2783
500	MAX	5716	5786	5720	5789	5852	5956	5985	5968	5930	5858	5841	5763
	MIN	5129	5207	5292	5356	5431	5566	5682	5691	5543	5455	5176	5195
300	MAX	9331	9424	9368	9462	9568	9717	9799	9771	9727	9599	9522	9429
	MIN	8627	8612	8677	8792	8987	9160	9364	9338	9068	8936	8589	8632
200	MAX	11930	12000	12004	12115	12221	12414	12576	12496	12442	12295	12154	12069
	MIN	11234	11241	11343	11396	11653	11805	12002	12023	11786	11573	11308	11292
150	MAX	13741	13837	13807	13859	14007	14232	14409	14303	14247	14067	13972	13846
	MIN	13070	13093	13233	13248	13514	13662	13844	13838	13648	13438	13218	13168
100	MAX	16294	16339	16277	16363	16529	16670	16871	16760	16727	16508	16406	16353
	MIN	15698	15704	15832	15846	16144	16267	16388	16461	16265	16036	15848	15799

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	74	63	72	68	58	53	47	43	56	63	69	73
850	62	54	57	59	52	46	40	36	47	53	61	66
700	65	61	54	59	54	46	36	31	49	57	71	69
500	103	105	86	89	80	69	50	43	76	92	117	104
300	155	162	137	141	119	104	81	70	113	140	182	152
200	142	142	125	137	120	122	103	86	120	145	183	144
150	126	126	106	114	97	109	97	75	110	132	161	118
100	105	113	94	96	77	77	71	52	83	108	114	102

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	MAX	15	16	19	24	26	32	31	31	31	26	18	15
	MIN	30-	25-	22-	11-	8-	3-	6	5	1-	7-	20-	26-
700	MAX	6	6	5	9	12	19	18	17	16	12	9	4
	MIN	27-	30-	24-	17-	18-	8-	1-	1-	9-	16-	25-	26-
500	MAX	14-	14-	14-	11-	8-	5-	3-	1-	4-	3-	11-	10-
	MIN	40-	40-	38-	35-	26-	22-	16-	15-	26-	31-	41-	37-
300	MAX	39-	42-	40-	39-	36-	32-	28-	29-	32-	30-	25-	40-
	MIN	58-	59-	58-	58-	53-	49-	43-	43-	49-	55-	56-	59-
200	MAX	39-	44-	40-	44-	40-	43-	45-	45-	43-	43-	40-	42-
	MIN	70-	70-	68-	66-	66-	66-	61-	60-	63-	67-	68-	70-
150	MAX	44-	44-	43-	45-	46-	47-	51-	51-	49-	46-	45-	45-
	MIN	66-	68-	65-	64-	66-	69-	69-	70-	68-	67-	71-	72-
100	MAX	49-	48-	49-	48-	48-	51-	54-	54-	51-	52-	50-	48-
	MIN	69-	66-	64-	66-	69-	76-	71-	69-	70-	69-	70-	66-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
850	9.5	8.6	8.2	7.4	6.3	5.9	4.8	4.8	6.8	7.5	8.2	7.8
700	6.4	6.5	6.2	6.0	5.3	4.8	3.8	3.5	5.2	6.0	6.8	6.2
500	5.4	5.3	4.8	4.7	3.7	3.2	2.4	2.3	3.4	4.4	5.7	5.1
300	3.3	3.1	3.0	3.3	3.3	3.1	2.9	2.7	2.9	3.5	3.9	3.4
200	5.8	6.2	6.1	5.4	5.3	3.7	2.7	2.6	3.7	4.5	5.6	5.8
150	4.0	4.3	3.8	3.7	4.2	4.2	3.8	3.5	3.7	4.0	4.9	4.6
100	3.8	3.9	3.3	3.5	3.2	4.0	3.6	3.2	3.4	3.7	4.2	3.6

ST. CLOUD, MINNESOTA, WBO

ELEVATION 316 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	760	730	760	690	680	660	660	670	710	710	710	720
	MIN	290	330	290	210	230	360	450	460	410	400	310	310
850	MAX	1594	1568	1615	1575	1574	1595	1600	1590	1631	1596	1597	1571
	MIN	1185	1190	1162	1128	1120	1278	1383	1406	1357	1313	1190	1177
700	MAX	3078	3111	3101	3155	3192	3212	3232	3252	3249	3174	3153	3090
	MIN	2701	2693	2674	2680	2671	2853	2994	3023	2875	2832	2717	2691
500	MAX	5644	5674	5710	5794	5869	5910	5968	5957	5936	5848	5762	5688
	MIN	5139	5119	5159	5239	5255	5496	5629	5636	5414	5309	5136	5135
300	MAX	9245	9269	9344	9460	9604	9689	9756	9782	9680	9645	9406	9308
	MIN	8554	8542	8581	8717	8837	9041	9219	9245	9015	8754	8568	8508
200	MAX	11840	11849	11976	12077	12276	12415	12517	12548	12402	12362	12028	11901
	MIN	11176	11214	11238	11313	11549	11733	11848	11903	11706	11402	11268	11165
150	MAX	13680	13668	13800	13859	14067	14219	14330	14378	14221	14102	13835	13697
	MIN	13068	13083	13099	13179	13460	13640	13735	13723	13603	13276	13164	13026
100	MAX	16262	16242	16359	16419	16568	16698	16795	16767	16755	16608	16347	16279
	MIN	15703	15665	15692	15797	16067	16315	16375	16251	16225	15918	15791	15648

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	69	65	68	61	54	47	38	36	50	57	71	71
850	59	59	61	60	55	43	35	32	47	54	70	65
700	66	72	71	74	67	50	43	39	60	69	85	71
500	102	113	109	111	100	75	63	62	94	110	128	107
300	152	162	156	162	146	115	101	103	140	164	183	156
200	128	138	138	152	143	135	123	128	153	168	166	138
150	115	117	121	125	117	120	110	111	133	149	138	125
100	106	116	107	109	94	88	73	72	106	118	105	122

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	5	6	19	25	26	29	31	31	28	26	16	8
	MIN	30-	26-	24-	14-	3-	2	10	10	1	5-	20-	25-
850	MAX	8	11	11	17	21	25	25	27	23	20	15	13
	MIN	32-	26-	24-	19-	10-	0	4	1	5-	14-	27-	26-
700	MAX	1	1	3	7	11	14	16	14	12	11	8	6
	MIN	29-	28-	26-	22-	16-	7-	3-	4-	12-	18-	25-	30-
500	MAX	16-	13-	16-	12-	9-	4-	3-	2-	4-	7-	12-	10-
	MIN	40-	41-	38-	34-	35-	25-	20-	19-	27-	32-	38-	44-
300	MAX	41-	40-	41-	38-	34-	31-	29-	28-	33-	29-	33-	38-
	MIN	57-	58-	58-	58-	52-	48-	47-	45-	49-	54-	57-	60-
200	MAX	42-	41-	42-	41-	39-	42-	44-	42-	42-	42-	38-	39-
	MIN	69-	68-	68-	67-	65-	64-	61-	61-	64-	66-	67-	71-
150	MAX	42-	43-	43-	43-	44-	46-	48-	48-	41-	47-	42-	41-
	MIN	63-	62-	64-	63-	71-	68-	69-	68-	69-	69-	68-	72-
100	MAX	49-	45-	47-	48-	47-	46-	50-	51-	51-	49-	48-	47-
	MIN	66-	65-	64-	63-	66-	69-	69-	69-	68-	69-	68-	73-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	7.7	7.2	7.2	7.0	6.0	4.8	3.7	4.0	5.6	6.5	7.4	6.6
850	7.7	7.4	7.4	7.0	5.9	4.9	4.1	4.5	6.1	7.0	7.6	7.0
700	6.2	6.0	6.3	5.7	5.0	4.3	3.8	3.7	5.2	5.9	6.3	6.2
500	5.2	5.3	5.0	4.7	4.1	3.3	2.9	2.9	3.9	4.8	5.6	5.3
300	3.4	3.2	3.2	3.4	3.3	3.4	3.2	3.5	3.5	3.5	3.6	3.3
200	5.4	6.3	5.7	6.0	5.8	3.8	3.2	3.0	4.1	4.5	5.9	5.7
150	3.8	3.9	3.6	4.0	4.6	4.5	4.4	4.2	4.3	4.0	4.6	4.5
100	3.5	3.8	3.3	3.1	3.2	3.6	3.7	3.5	3.6	3.7	4.0	4.0

SAN ANTONIO, TEXAS, WBAS

ELEVATION 243 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	710	730	690	690	620	630	620	610	640	680	730	710
	MIN	430	460	400	390	450	490	500	510	480	500	450	470
850	MAX	1622	1610	1602	1606	1583	1596	1597	1595	1599	1612	1623	1626
	MIN	1387	1413	1362	1348	1415	1451	1495	1488	1455	1450	1412	1383
700	MAX	3244	3207	3205	3215	3207	3249	3249	3252	3239	3228	3206	3219
	MIN	2968	3003	3002	2977	3060	3087	3144	3129	3089	3080	3016	2918
500	MAX	5931	5886	5890	5937	5937	5976	5980	5989	5965	5946	5900	5906
	MIN	5526	5568	5576	5595	5714	5807	5852	5826	5786	5734	5634	5488
300	MAX	9680	9607	9658	9726	9715	9803	9803	9859	9790	9760	9665	9636
	MIN	9080	9131	9223	9186	9398	9541	9625	9603	9526	9393	9276	9139
200	MAX	12392	12277	12421	12469	12451	12558	12567	12625	12544	12508	12390	12319
	MIN	11757	11824	11859	11879	12068	12220	12322	12329	12242	12039	11919	11814
150	MAX	14169	14078	14349	14244	14268	14368	14376	14429	14353	14315	14169	14105
	MIN	13607	13670	13647	13704	13864	14003	14110	14128	14060	13821	13736	13654
100	MAX	16616	16598	17000	16625	16644	16756	16774	16833	16771	16714	16596	16546
	MIN	16172	16167	16129	16208	16331	16391	16555	16546	16483	16256	16166	16180

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	50	49	52	46	35	28	22	21	29	34	51	50
850	42	41	42	40	29	23	20	20	26	31	42	41
700	47	42	41	40	28	23	20	22	25	29	39	41
500	70	61	60	57	39	30	22	29	30	41	50	61
300	108	89	89	84	57	50	32	39	47	74	74	90
200	115	97	100	91	69	65	43	48	58	93	87	102
150	101	95	97	86	76	68	48	51	60	91	83	89
100	91	81	96	75	70	67	41	51	58	77	74	72

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	23	28	30	31	30	32	35	35	32	28	29	25
	MIN	9-	9-	3-	7	10	15	21	19	17	8	1	4-
850	MAX	20	20	25	25	26	25	27	26	24	23	22	22
	MIN	6-	12-	5-	2	6	12	13	15	10	4	4-	3-
700	MAX	11	11	13	17	16	16	14	15	14	14	13	12
	MIN	11-	11-	7-	7-	0-	4	6	6	3	0	6-	6-
500	MAX	6-	7-	6-	5-	1-	0-	1-	0-	1-	2-	3-	7-
	MIN	23-	24-	23-	22-	15-	12-	9-	9-	12-	15-	19-	23-
300	MAX	27-	32-	31-	31-	30-	29-	28-	28-	28-	29-	30-	33-
	MIN	49-	49-	47-	48-	42-	39-	36-	36-	39-	42-	46-	48-
200	MAX	46-	42-	43-	48-	48-	49-	48-	48-	46-	48-	46-	45-
	MIN	64-	65-	64-	66-	62-	60-	58-	56-	59-	59-	64-	63-
150	MAX	51-	50-	46-	51-	57-	60-	60-	58-	57-	56-	56-	52-
	MIN	72-	69-	73-	72-	70-	76-	71-	69-	71-	70-	71-	72-
100	MAX	58-	59-	53-	59-	61-	65-	64-	65-	65-	63-	63-	61-
	MIN	77-	76-	76-	74-	78-	80-	78-	76-	80-	81-	78-	75-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	7.1	6.4	5.9	4.0	3.0	2.4	2.1	2.5	2.7	3.6	5.3	5.9
850	5.1	5.0	5.3	3.9	3.1	2.1	1.6	1.9	2.2	2.8	4.4	5.0
700	3.9	3.6	3.6	3.5	2.8	2.2	1.5	1.8	1.9	2.5	3.3	3.5
500	3.1	2.9	2.8	2.5	2.0	1.9	1.4	1.4	1.8	2.7	2.6	2.8
300	3.2	2.9	2.8	2.3	1.9	1.9	1.5	1.5	1.9	2.9	2.7	2.8
200	4.0	4.2	3.9	3.0	2.5	1.7	1.5	1.5	1.7	2.1	2.9	3.3
150	3.9	2.9	3.8	3.5	2.7	2.3	2.0	2.2	2.2	2.4	3.0	3.6
100	3.3	3.4	3.6	3.1	3.3	2.6	2.8	2.5	2.8	3.8	2.9	2.9

SAN JUAN, P.R., WBAS

ELEVATION 19 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	640	670	630	630	630	640	650	630	620	600	610	630
	MIN	550	540	550	560	550	570	570	500	520	540	510	540
850	MAX	1586	1606	1586	1580	1577	1601	1603	1593	1579	1568	1567	1580
	MIN	1495	1500	1493	1501	1506	1526	1531	1456	1488	1494	1460	1483
700	MAX	3214	3223	3212	3207	3221	3233	3250	3243	3219	3210	3202	3210
	MIN	3103	3102	3108	3120	3130	3152	3158	3096	3124	3112	3082	3085
500	MAX	5928	5931	5923	5920	5937	5972	5972	5951	5937	5934	5926	5926
	MIN	5765	5750	5778	5796	5799	5840	5846	5808	5827	5775	5773	5733
300	MAX	9711	9716	9727	9732	9764	9764	9775	9790	9775	9770	9751	9733
	MIN	9479	9514	9467	9510	9538	9597	9593	9596	9568	9603	9523	9427
200	MAX	12470	12454	12465	12484	12512	12497	12512	12544	12540	12512	12505	12464
	MIN	12181	12193	12146	12170	12246	12261	12276	12280	12245	12281	12227	12136
150	MAX	14278	14255	14297	14280	14313	14276	14312	14343	14396	14313	14308	14250
	MIN	13947	14013	13979	13925	14006	13998	14063	14056	14021	14025	14015	13945
100	MAX	16671	16673	16694	16680	16661	16706	16768	16764	16716	16694	16647	16660
	MIN	16330	16415	16377	16409	16416	16384	16454	16471	16458	16413	16417	16348

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	15	18	12	13	11	13	12	14	16	13	16	14
850	16	18	13	14	11	12	11	16	15	14	16	15
700	17	19	16	16	15	15	15	17	16	16	18	18
500	26	29	26	23	24	19	20	21	21	22	25	27
300	43	43	44	41	40	31	32	34	35	31	40	42
200	51	51	51	52	53	41	41	47	52	42	47	49
150	54	54	52	57	59	47	46	51	54	48	50	50
100	55	53	51	56	53	51	54	54	51	49	45	53

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	22	22	22	23	24	25	24	25	25	26	24	23
	MIN	17	16	17	17	18	19	20	19	19	20	19	18
850	MAX	17	17	19	19	21	20	19	19	19	22	18	17
	MIN	9	9	9	9	11	12	12	13	13	14	12	10
700	MAX	13	13	13	11	13	13	11	13	12	12	12	12
	MIN	1	0	2	3	3	4	3	3	5	4	3	1
500	MAX	4-	3-	2-	2-	3-	4-	2-	3-	2-	1-	2-	2-
	MIN	15-	14-	15-	12-	12-	10-	10-	12-	10-	10-	11-	14-
300	MAX	30-	29-	29-	30-	29-	31-	30-	28-	28-	30-	29-	30-
	MIN	41-	40-	41-	39-	38-	38-	37-	37-	38-	37-	39-	41-
200	MAX	47-	49-	46-	50-	51-	51-	51-	51-	47-	51-	51-	48-
	MIN	61-	59-	60-	61-	61-	60-	59-	60-	61-	60-	61-	59-
150	MAX	58-	60-	57-	62-	61-	63-	61-	60-	57-	62-	60-	60-
	MIN	70-	70-	71-	73-	73-	73-	73-	73-	72-	74-	73-	73-
100	MAX	68-	69-	72-	70-	70-	67-	67-	67-	67-	68-	72-	71-
	MIN	81-	81-	83-	81-	80-	83-	76-	80-	78-	83-	84-	81-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	.9	1.0	1.0	1.1	1.2	.9	.9	.9	.9	.8	.9	.9
850	1.3	1.6	1.6	1.6	1.5	1.2	1.1	1.2	1.0	1.0	1.1	1.1
700	2.1	2.2	2.0	1.6	1.5	1.3	1.2	1.2	1.2	1.3	1.5	1.8
500	1.8	1.9	1.9	1.7	1.5	1.3	1.3	1.5	1.4	1.3	1.6	1.8
300	2.0	2.0	2.0	1.7	1.6	1.3	1.2	1.5	1.7	1.4	1.5	1.7
200	2.2	2.0	2.2	1.7	1.6	1.4	1.4	1.4	1.7	1.4	1.3	1.6
150	2.2	1.9	2.3	2.0	2.1	1.8	2.3	2.1	2.2	1.8	1.8	2.3
100	2.3	2.0	1.8	2.2	2.1	2.6	1.9	2.0	2.3	2.6	2.2	2.3

SANTA MARIA, CALIFORNIA, WBO

ELEVATION 74 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	690	680	680	630	630	610	610	610	610	620	670	690
	MIN	420	490	480	500	490	500	500	510	480	500	460	480
850	MAX	1628	1601	1593	1591	1566	1561	1578	1560	1557	1570	1597	1610
	MIN	1324	1384	1362	1406	1411	1437	1449	1449	1427	1409	1355	1393
700	MAX	3240	3222	3183	3226	3208	3226	3234	3221	3231	3208	3225	3226
	MIN	2853	2889	2863	2932	2956	3018	3065	3059	3002	2956	2894	2898
500	MAX	5880	5864	5828	5905	5923	5959	5961	5959	5962	5913	5931	5890
	MIN	5285	5358	5312	5414	5445	5629	5770	5748	5641	5450	5393	5408
300	MAX	9528	9531	9542	9592	9684	9756	9783	9782	9773	9692	9673	9831
	MIN	8841	8814	8790	8969	9005	9224	9491	9412	9300	9073	8911	8922
200	MAX	12198	12198	12171	12212	12373	12495	12570	12543	12521	12408	12337	12320
	MIN	11574	11497	11513	11644	11739	11819	12163	12155	11963	11807	11618	11618
150	MAX	14023	14048	13990	13976	14174	14321	14337	14390	14346	14225	14119	14117
	MIN	13448	13390	13403	13482	13612	13665	14001	13990	13824	13652	13488	13481
100	MAX	16494	16524	16545	16450	16633	16812	16799	16837	16765	16610	16578	16584
	MIN	16027	15993	15992	16021	16153	16258	16522	16484	16396	16212	16051	16074

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	41	33	34	28	25	24	22	19	25	26	32	35
850	48	41	39	32	27	22	20	20	24	29	41	41
700	72	64	61	52	46	37	26	31	39	46	65	61
500	111	103	103	84	80	64	33	43	54	74	103	97
300	152	144	147	121	116	100	55	67	81	104	149	139
200	146	145	140	115	122	118	72	83	95	110	157	141
150	130	136	115	93	103	108	68	79	90	103	138	127
100	99	109	91	76	85	78	50	65	67	80	109	99

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	23	24	21	26	28	32	34	30	34	31	25	24
	MIN	1-	2	2	4	5	6	10	10	8	6	4	2
850	MAX	19	18	16	21	25	29	27	28	30	26	21	19
	MIN	8-	3-	13-	1-	0-	2	11	6	4	0	1-	4-
700	MAX	9	6	8	8	13	15	15	15	17	13	13	9
	MIN	20-	16-	16-	12-	11-	3-	4	2	3-	11-	11-	13-
500	MAX	9-	9-	9-	10-	5-	0-	2-	1-	2-	4-	5-	8-
	MIN	35-	32-	34-	29-	30-	19-	12-	14-	20-	26-	30-	33-
300	MAX	34-	26-	37-	35-	36-	29-	29-	29-	28-	30-	33-	32-
	MIN	53-	52-	54-	53-	47-	47-	40-	42-	44-	46-	52-	53-
200	MAX	40-	43-	45-	43-	44-	43-	46-	44-	46-	44-	40-	43-
	MIN	67-	68-	66-	66-	67-	61-	59-	58-	60-	64-	64-	67-
150	MAX	47-	49-	48-	49-	48-	51-	52-	53-	53-	52-	50-	50-
	MIN	72-	67-	72-	72-	72-	70-	69-	69-	68-	71-	73-	74-
100	MAX	53-	53-	54-	54-	54-	55-	57-	58-	56-	55-	53-	56-
	MIN	73-	73-	70-	71-	71-	72-	75-	72-	76-	75-	78-	76-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	4.7	4.6	4.0	4.8	4.5	4.4	4.4	4.4	5.7	5.0	5.0	4.2
850	5.7	5.3	4.9	5.3	5.6	5.1	2.7	3.8	4.6	4.8	5.5	5.1
700	4.9	4.9	4.9	4.4	4.5	3.7	2.0	2.5	3.0	3.9	4.8	4.7
500	4.4	4.2	4.5	3.7	3.8	3.3	1.8	2.0	2.5	3.3	4.3	4.1
300	3.1	3.2	2.9	2.7	2.4	2.6	2.5	2.6	2.5	2.6	3.3	3.2
200	5.9	5.6	5.8	4.7	3.8	3.1	2.0	2.2	2.4	3.2	4.3	4.7
150	4.3	3.5	4.5	3.9	4.1	3.9	2.9	3.0	2.8	3.0	4.2	4.3
100	4.8	4.6	3.4	3.0	3.3	3.5	3.2	2.6	3.3	3.2	4.2	4.1

SAULT STE. MARIE, MICHIGAN, WBO

ELEVATION 221 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	730	760	780	680	700	670	670	670	720	740	720	710
	MIN	320	310	270	340	350	410	450	410	370	380	290	260
850	MAX	1568	1619	1605	1580	1570	1598	1612	1607	1643	1609	1609	1556
	MIN	1192	1144	1158	1250	1287	1347	1389	1357	1299	1295	1151	1180
700	MAX	3060	3115	3098	3140	3181	3197	3230	3241	3244	3205	3139	3096
	MIN	2628	2573	2666	2748	2791	2914	2966	2927	2846	2801	2601	2666
500	MAX	5646	5708	5674	5778	5834	5898	5947	5968	5929	5902	5746	5669
	MIN	4999	4943	5021	5124	5236	5468	5557	5536	5377	5250	5055	5040
300	MAX	9255	9259	9300	9462	9547	9646	9756	9818	9686	9682	9391	9268
	MIN	8446	8415	8429	8629	8763	9052	9115	9113	8881	8685	8510	8374
200	MAX	11826	11834	11905	12099	12206	12365	12506	12460	12404	12371	11974	11838
	MIN	11137	11070	11140	11251	11537	11713	11811	11780	11601	11513	11194	11065
150	MAX	13602	13602	13735	13858	14040	14161	14310	14256	14212	14138	13747	13629
	MIN	13011	12948	12993	13140	13443	13608	13722	13658	13517	13390	13098	12985
100	MAX	16164	16168	16302	16397	16560	16651	16759	16761	16670	16553	16248	16221
	MIN	15571	15621	15712	15908	16083	16248	16359	16305	16171	15983	15728	15524

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	74	79	72	64	53	48	41	40	57	65	74	71
850	67	78	72	66	57	48	43	42	58	67	75	67
700	79	94	91	84	73	59	53	54	76	87	92	83
500	123	135	135	128	111	87	79	81	114	133	138	128
300	166	178	191	184	161	137	129	132	168	188	189	181
200	136	144	165	170	148	152	146	146	172	183	162	165
150	123	118	142	138	119	126	125	122	149	163	139	140
100	110	98	119	103	94	95	85	82	106	125	109	137

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	4	7	16	19	21	23	26	28	26	21	15	8
	MIN	24-	24-	23-	15-	4-	1	6	6	0	5-	15-	22-
850	MAX	6	7	13	15	17	22	21	25	21	18	17	9
	MIN	27-	27-	27-	22-	10-	4-	0	0	7-	11-	19-	25-
700	MAX	2	1-	2	5	8	12	14	13	11	8	7	1
	MIN	31-	32-	34-	33-	21-	9-	5-	8-	15-	23-	28-	35-
500	MAX	16-	15-	14-	11-	8-	5-	3-	0	5-	7-	13-	15-
	MIN	44-	42-	45-	43-	33-	25-	23-	23-	29-	40-	40-	45-
300	MAX	36-	39-	39-	38-	36-	30-	30-	29-	30-	31-	37-	39-
	MIN	60-	58-	58-	60-	52-	50-	48-	48-	52-	52-	59-	59-
200	MAX	43-	40-	41-	42-	40-	42-	42-	42-	40-	40-	38-	41-
	MIN	68-	67-	69-	66-	66-	64-	62-	62-	63-	66-	66-	66-
150	MAX	45-	40-	43-	44-	45-	47-	46-	46-	45-	46-	41-	44-
	MIN	61-	61-	64-	71-	72-	69-	67-	67-	66-	67-	64-	67-
100	MAX	48-	44-	47-	47-	48-	51-	49-	48-	50-	49-	50-	47-
	MIN	68-	61-	63-	61-	65-	65-	66-	66-	68-	69-	64-	65-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	6.2	5.8	6.0	6.1	5.4	4.4	3.9	4.3	5.2	5.6	5.5	5.9
850	7.0	6.6	7.1	6.7	5.6	4.6	3.9	4.4	5.8	6.5	6.7	6.7
700	6.9	6.5	6.9	6.2	5.2	4.2	3.7	3.7	5.3	5.9	6.7	6.8
500	5.8	5.4	5.7	5.4	4.6	3.9	3.7	3.7	4.8	5.3	5.7	5.6
300	3.7	3.5	3.4	3.7	3.5	3.8	3.8	4.0	3.9	3.7	3.6	3.6
200	5.6	6.2	6.2	6.6	5.9	4.3	3.7	3.6	4.6	5.2	5.9	6.1
150	3.8	4.3	4.0	4.8	4.7	4.5	4.7	4.3	4.6	4.3	4.0	4.1
100	3.5	3.9	3.3	3.0	2.9	3.4	3.6	3.6	4.2	3.7	3.1	3.4

SPOKANE, WASHINGTON, WBAS

ELEVATION 722 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	780	722	720	690	700	630	640	610	660	700	740	760
	MIN	310	370	280	390	420	390	440	400	460	380	360	290
850	MAX	1640	1610	1603	1610	1615	1574	1594	1570	1592	1620	1618	1633
	MIN	1190	1250	1185	1311	1352	1356	1399	1349	1389	1294	1244	1182
700	MAX	3193	3193	3139	3190	3191	3208	3223	3223	3211	3193	3208	3216
	MIN	2661	2741	2690	2856	2902	2950	2950	2954	2937	2861	2769	2714
500	MAX	5821	5848	5719	5808	5821	5910	5939	5934	5910	5874	5885	5830
	MIN	5106	5155	5140	5336	5419	5476	5474	5563	5459	5320	5142	5147
300	MAX	9426	9503	9297	9446	9511	9647	9706	9689	9683	9599	9521	9477
	MIN	8474	8502	8534	8710	8872	9002	8973	9153	8903	8697	8508	8536
200	MAX	11996	12123	11899	12076	12177	12341	12462	12378	12382	12263	12168	12106
	MIN	11074	11150	11155	11380	11568	11683	11709	11855	11592	11387	11206	11198
150	MAX	13682	13979	13662	13867	13968	14117	14225	14183	14199	14165	13973	13921
	MIN	12910	13055	13097	13237	13440	13582	13637	13755	13487	13278	13113	13076
100	MAX	16222	16492	16244	16367	16491	16643	16726	16713	16679	16707	16434	16386
	MIN	15600	15747	15789	15851	16083	16229	16292	16383	16142	15917	15772	15665

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	85	65	67	54	47	39	35	32	40	58	69	82
850	81	64	64	54	45	40	34	31	41	59	70	79
700	93	77	70	65	55	50	44	40	57	73	85	88
500	140	122	108	106	89	80	72	64	98	114	135	128
300	205	181	164	165	141	131	113	97	153	174	200	185
200	181	165	143	151	133	134	119	101	155	176	204	180
150	150	143	115	122	108	107	97	85	137	155	173	167
100	121	127	95	98	89	76	68	62	113	127	125	145

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX												
	MIN												
850	MAX	7	9	12	19	22	24	26	27	26	19	14	8
	MIN	24-	20-	16-	4-	3-	1	5	7	0-	5-	21-	13-
700	MAX	0	4	1	5	9	10	13	12	13	9	7	3
	MIN	27-	24-	24-	17-	16-	8-	8-	5-	10-	15-	29-	21-
500	MAX	15-	13-	17-	13-	9-	3-	6-	6-	5-	9-	11-	12-
	MIN	44-	41-	41-	36-	31-	26-	26-	22-	29-	35-	42-	41-
300	MAX	42-	42-	40-	40-	38-	33-	32-	33-	34-	35-	32-	40-
	MIN	63-	59-	59-	58-	54-	52-	48-	48-	52-	55-	58-	60-
200	MAX	42-	41-	41-	38-	39-	41-	41-	42-	42-	41-	42-	41-
	MIN	69-	72-	68-	67-	67-	63-	64-	62-	64-	66-	67-	69-
150	MAX	45-	43-	43-	45-	45-	44-	44-	45-	47-	47-	46-	44-
	MIN	69-	73-	66-	69-	67-	67-	64-	64-	65-	68-	69-	72-
100	MAX	46-	45-	46-	47-	48-	46-	48-	49-	49-	51-	49-	43-
	MIN	66-	67-	64-	64-	61-	63-	64-	61-	66-	69-	69-	67-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950												
850	5.7	4.7	4.5	4.8	5.2	4.5	4.5	4.2	5.5	5.0	5.5	4.5
700	5.9	5.3	4.8	5.1	4.8	4.0	4.0	3.5	5.1	5.3	5.9	5.0
500	6.4	5.6	5.3	5.0	4.6	4.0	3.4	2.9	4.6	5.4	6.0	5.5
300	3.4	3.1	3.0	3.5	3.2	3.5	2.9	2.5	3.3	3.7	3.9	3.5
200	6.7	7.4	6.0	6.1	5.9	5.0	4.1	4.1	4.3	4.8	5.6	5.7
150	4.3	5.0	3.9	4.1	4.0	4.1	4.0	3.6	4.2	4.5	5.1	4.6
100	3.7	4.9	3.3	3.3	2.7	3.2	3.1	2.6	3.8	4.1	4.4	4.1

SWAN ISLAND, WEST INDIES, WBO

ELEVATION 10 METERS MSL JAN1946 SEP1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	640	640	630	620	600	610	610	610	610	600	610	620
	MIN	550	520	530	510	510	530	550	510	500	490	500	550
850	MAX	1579	1592	1577	1565	1553	1570	1569	1568	1566	1558	1571	1585
	MIN	1495	1479	1494	1476	1476	1488	1504	1486	1462	1455	1475	1486
700	MAX	3198	3220	3219	3195	3196	3206	3214	3215	3208	3203	3206	3223
	MIN	3122	3112	3119	3108	3106	3127	3121	3128	3104	3102	3117	3116
500	MAX	5925	5936	5946	5924	5922	5918	5931	5942	5931	5925	5931	5950
	MIN	5805	5800	5799	5769	5803	5826	5803	5832	5817	5815	5806	5806
300	MAX	9728	9718	9761	9733	9762	9763	9742	9769	9757	9762	9755	9764
	MIN	9527	9527	9513	9487	9584	9590	9559	9584	9582	9605	9575	9498
200	MAX	12450	12445	12501	12476	12520	12522	12476	12530	12516	12528	12492	12482
	MIN	12212	12205	12192	12165	12285	12271	12225	12276	12258	12288	12264	12144
150	MAX	14242	14240	14291	14276	14323	14326	14280	14334	14307	14332	14288	14286
	MIN	13989	13981	13996	13983	14056	14012	14010	14056	13995	14061	14023	13903
100	MAX	16643	16654	16752	16677	16711	16708	16666	16736	16681	16695	16659	16662
	MIN	16390	16358	16388	16367	16403	16469	16459	16416	16398	16410	16404	16331

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	14	19	16	18	17	16	12	16	18	17	16	15
850	14	18	15	16	13	14	12	14	16	15	14	16
700	14	17	15	14	14	14	14	14	16	16	16	18
500	24	25	21	23	19	17	18	18	20	20	24	27
300	38	37	36	38	32	27	28	30	30	31	34	42
200	47	48	46	47	44	40	39	44	42	44	45	55
150	52	54	48	50	49	47	43	46	50	51	52	59
100	52	60	53	52	50	45	44	49	51	54	49	55

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	23	23	25	24	25	26	25	26	26	25	25	25
	MIN	16	16	18	17	19	20	18	19	20	19	18	17
850	MAX	18	19	20	23	21	21	19	21	21	20	21	21
	MIN	9	8	11	9	13	14	13	13	15	14	10	8
700	MAX	13	14	14	14	14	13	11	12	11	12	14	13
	MIN	0	1	2	2	5	5	5	5	5	5	3	3
500	MAX	3-	3-	3-	2-	2-	4-	4-	3-	3-	2-	2-	3-
	MIN	12-	12-	11-	11-	9-	10-	9-	10-	9-	9-	12-	12-
300	MAX	31-	30-	30-	30-	28-	29-	30-	28-	28-	28-	29-	30-
	MIN	39-	39-	41-	38-	36-	38-	39-	37-	36-	36-	36-	39-
200	MAX	47-	49-	49-	49-	50-	51-	52-	51-	51-	50-	51-	50-
	MIN	59-	59-	60-	60-	58-	60-	59-	59-	59-	60-	58-	61-
150	MAX	58-	59-	60-	61-	62-	62-	61-	62-	62-	64-	64-	61-
	MIN	70-	71-	70-	73-	72-	74-	74-	72-	74-	74-	73-	72-
100	MAX	72-	71-	69-	69-	72-	68-	68-	68-	71-	69-	73-	72-
	MIN	82-	82-	82-	80-	82-	81-	77-	81-	82-	83-	83-	82-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	1.0	1.2	.9	1.1	.9	.8	.8	.8	.9	.9	1.3	1.3
850	1.5	1.6	1.5	1.8	1.4	1.0	.9	1.3	1.0	1.0	1.7	1.7
700	1.9	2.3	2.2	2.2	1.4	1.1	1.1	1.1	1.1	1.0	1.5	1.6
500	1.8	1.7	1.4	1.5	1.3	1.1	1.0	1.2	1.1	1.1	1.4	1.6
300	1.6	1.8	1.8	1.5	1.5	1.4	1.3	1.4	1.3	1.4	1.4	1.6
200	2.2	1.8	1.7	1.4	1.3	1.5	1.2	1.4	1.4	1.4	1.2	1.6
150	2.2	2.1	1.9	1.7	1.5	1.9	1.8	1.7	1.6	1.6	1.7	2.0
100	1.9	1.9	2.1	1.9	2.0	2.6	2.0	2.5	2.4	2.5	2.2	2.2

TAMPA, FLORIDA, WBAS

ELEVATION 7 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	700	700	660	670	660	650	690	650	640	680	690	690
	MIN	490	500	490	490	530	540	560	500	390	390	500	520
850	MAX	1626	1619	1609	1615	1603	1611	1627	1611	1605	1602	1606	1623
	MIN	1414	1430	1422	1451	1478	1490	1510	1473	1358	1350	1434	1438
700	MAX	3245	3227	3227	3233	3218	3252	3264	3256	3235	3224	3222	3242
	MIN	2981	3002	2976	3033	3082	3106	3140	3107	2995	2990	2990	2971
500	MAX	5946	5929	5925	5930	5927	5959	5967	5980	5955	5951	5937	5943
	MIN	5564	5602	5590	5661	5749	5768	5811	5829	5750	5689	5612	5510
300	MAX	9702	9680	9685	9713	9710	9770	9778	9824	9792	9766	9737	9720
	MIN	9239	9232	9181	9299	9415	9453	9520	9600	9526	9390	9322	9056
200	MAX	12398	12379	12373	12450	12458	12531	12527	12590	12557	12509	12449	12439
	MIN	11853	11872	11905	11974	12064	12103	12179	12300	12227	12126	11955	11755
150	MAX	14199	14175	14177	14242	14254	14353	14330	14394	14363	14326	14220	14222
	MIN	13634	13677	13711	13778	13855	13913	13960	14037	14004	13926	13745	13633
100	MAX	16606	16580	16601	16578	16637	16776	16749	16825	16734	16731	16581	16642
	MIN	16144	16201	16206	16263	16320	16412	16424	16418	16427	16373	16225	16169

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	35	39	28	31	22	21	19	20	30	33	30	30
850	37	40	31	32	25	24	19	22	31	32	31	31
700	46	47	39	35	29	27	21	23	32	34	37	37
500	64	63	56	44	38	33	24	27	34	40	50	56
300	93	88	81	65	61	50	33	36	43	63	73	89
200	103	95	93	76	78	67	45	50	57	76	84	100
150	101	93	91	72	76	70	54	58	62	77	82	97
100	90	83	76	59	60	65	54	57	57	69	65	82

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	21	22	22	23	27	27	26	27	25	25	23	22
	MIN	0-	2-	3	6	16	18	19	19	17	8	2	2
850	MAX	16	16	18	19	20	21	20	21	20	20	18	17
	MIN	8-	2-	3-	0	10	12	13	14	12	4	1	3-
700	MAX	11	10	11	11	11	11	11	12	13	11	14	11
	MIN	10-	5-	3-	1-	0	3	4	3	4	0	7-	8-
500	MAX	6-	6-	6-	5-	5-	4-	4-	2-	2-	1-	4-	5-
	MIN	20-	19-	21-	17-	15-	12-	11-	10-	11-	14-	17-	21-
300	MAX	33-	34-	31-	32-	30-	30-	29-	27-	28-	27-	32-	33-
	MIN	46-	47-	45-	45-	44-	41-	39-	37-	38-	42-	44-	45-
200	MAX	42-	45-	47-	50-	52-	49-	50-	49-	50-	48-	50-	48-
	MIN	65-	64-	65-	63-	64-	60-	61-	59-	59-	59-	62-	63-
150	MAX	54-	56-	52-	51-	56-	58-	61-	60-	60-	57-	56-	52-
	MIN	71-	72-	70-	72-	72-	72-	73-	73-	74-	76-	72-	73-
100	MAX	60-	63-	63-	62-	62-	63-	64-	64-	65-	63-	59-	61-
	MIN	77-	77-	76-	78-	77-	75-	75-	80-	83-	79-	79-	78-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	4.2	4.1	3.8	2.9	1.8	1.5	1.1	1.2	1.4	2.3	3.8	3.9
850	3.3	3.1	3.2	2.5	1.8	1.4	1.1	1.1	1.2	2.4	2.9	3.3
700	2.9	2.7	2.6	2.1	1.9	1.4	1.1	1.3	1.4	1.9	2.6	2.8
500	2.6	2.5	2.5	2.0	1.9	1.4	1.1	1.3	1.4	2.1	2.2	2.7
300	2.4	2.4	2.4	2.1	2.2	1.8	1.4	1.6	1.7	2.5	2.4	2.5
200	3.7	3.6	3.5	2.6	2.0	1.7	1.5	1.8	1.8	2.0	2.0	2.6
150	3.4	2.7	2.7	3.3	2.9	2.5	2.1	2.3	2.2	2.5	2.7	3.6
100	3.1	3.2	2.8	3.0	2.9	2.4	2.2	2.2	2.7	3.0	3.1	3.2

TATOOSH ISLAND, WASHINGTON, WBO

ELEVATION 31 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	780	710	720	700	690	680	670	660	660	730	730	720
	MIN	290	270	290	390	410	450	490	450	390	270	310	200
850	MAX	1628	1609	1605	1615	1613	1600	1598	1577	1603	1654	1629	1634
	MIN	1175	1167	1152	1289	1307	1368	1405	1366	1304	1167	1204	1093
700	MAX	3203	3163	3176	3202	3184	3198	3239	3195	3235	3227	3206	3215
	MIN	2646	2704	2614	2789	2840	2913	2960	2924	2880	2719	2737	2624
500	MAX	5831	5801	5779	5829	5799	5889	5964	5882	5938	5884	5839	5853
	MIN	5032	5145	5000	5224	5354	5434	5477	5483	5420	5209	5172	5051
300	MAX	9456	9458	9412	9475	9482	9635	9740	9614	9707	9582	9546	9513
	MIN	8479	8516	8425	8650	8809	8910	9046	9112	8870	8718	8584	8459
200	MAX	12078	12074	11982	12105	12121	12333	12429	12303	12408	12298	12244	12151
	MIN	11122	11183	11130	11300	11497	11632	11788	11790	11550	11391	11215	11148
150	MAX	13899	13916	13731	13850	13920	14181	14252	14113	14178	14125	14066	13971
	MIN	13031	13086	13030	13229	13395	13563	13708	13697	13462	13270	13106	13034
100	MAX	16406	16441	16248	16290	16521	16668	16722	16704	16668	16628	16513	16461
	MIN	15703	15676	15699	15875	16037	16213	16380	16345	16072	15890	15777	15480

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	96	78	72	57	45	40	33	30	42	67	82	89
850	97	78	73	59	46	42	36	32	47	70	85	91
700	114	91	87	75	60	56	52	45	66	86	102	102
500	164	132	131	120	98	92	84	71	106	132	146	139
300	227	187	190	179	155	151	134	110	161	192	210	198
200	206	168	163	160	144	149	128	110	167	189	212	189
150	175	147	130	121	113	119	100	86	143	161	187	175
100	148	133	122	92	94	88	73	63	112	117	140	157

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	12	14	19	20	23	24	27	27	26	24	23	13
	MIN	12-	7-	6-	0	2	4	5	7	6	2	10-	5-
850	MAX	9	12	14	15	17	19	22	20	22	19	16	10
	MIN	19-	9-	14-	7-	4-	3-	0	1	0-	4-	16-	10-
700	MAX	3	4	3	4	7	9	13	9	11	8	4	3
	MIN	26-	21-	23-	18-	15-	11-	9-	8-	11-	15-	24-	20-
500	MAX	13-	15-	14-	13-	11-	6-	6-	7-	6-	7-	11-	13-
	MIN	41-	40-	40-	37-	35-	29-	26-	24-	28-	34-	36-	39-
300	MAX	41-	38-	40-	40-	36-	32-	33-	33-	33-	33-	35-	37-
	MIN	58-	57-	60-	57-	56-	54-	49-	49-	55-	57-	58-	59-
200	MAX	41-	40-	37-	38-	41-	40-	40-	42-	43-	44-	43-	42-
	MIN	69-	70-	70-	68-	68-	67-	62-	63-	65-	68-	69-	68-
150	MAX	44-	42-	41-	44-	43-	43-	43-	45-	47-	46-	46-	44-
	MIN	66-	68-	67-	69-	69-	68-	64-	63-	67-	70-	67-	71-
100	MAX	45-	44-	48-	46-	47-	44-	44-	47-	47-	50-	47-	45-
	MIN	67-	67-	62-	65-	61-	63-	62-	62-	65-	71-	70-	66-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	4.0	3.3	3.4	3.6	4.2	3.9	3.9	3.9	4.6	3.7	4.0	3.0
850	4.9	4.4	4.3	4.5	5.0	4.5	4.6	4.1	5.2	4.6	4.8	3.8
700	5.8	5.2	5.0	5.1	4.7	4.2	4.1	3.5	5.0	5.3	5.4	4.7
500	6.3	5.7	5.6	5.6	4.9	4.5	4.0	3.2	4.6	5.6	5.6	5.5
300	3.5	3.2	3.3	3.2	3.6	4.0	3.2	3.0	3.5	3.6	4.1	3.8
200	6.8	7.0	7.1	6.6	6.0	5.6	5.3	4.8	4.5	5.3	5.8	5.7
150	4.5	5.1	4.8	4.6	4.2	4.6	4.1	3.8	4.5	4.8	4.9	4.7
100	4.1	4.8	3.7	3.6	2.8	3.4	3.5	2.9	3.9	4.1	4.5	4.1

WASHINGTON, D.C./SILVER HILL/

ELEVATION 88 METERS MSL

JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	730	750	750	730	720	680	690	700	750	730	730	770
	MIN	380	410	370	410	420	460	500	460	490	440	400	400
850	MAX	1608	1630	1608	1634	1662	1624	1642	1637	1685	1639	1626	1660
	MIN	1266	1256	1229	1329	1354	1383	1452	1394	1418	1357	1251	1296
700	MAX	3205	3184	3170	3237	3253	3240	3267	3284	3300	3253	3194	3211
	MIN	2761	2680	2696	2849	2917	2952	3072	3030	2985	2896	2699	2801
500	MAX	5862	5802	5823	5870	5881	5956	5971	5984	5970	5933	5841	5823
	MIN	5238	5032	5116	5297	5445	5550	5713	5684	5564	5405	5170	5212
300	MAX	9564	9468	9522	9548	9616	9771	9801	9798	9738	9704	9602	9532
	MIN	8684	8410	8590	8797	8947	9153	9371	9301	9152	8944	8749	8683
200	MAX	12229	12109	12168	12204	12305	12514	12544	12546	12487	12421	12296	12180
	MIN	11384	11081	11295	11505	11660	11829	11996	11969	11868	11707	11438	11343
150	MAX	13990	13904	13941	13979	14068	14329	14340	14360	14289	14212	14072	13972
	MIN	13275	12963	13268	13408	13479	13708	13834	13821	13728	13545	13321	13194
100	MAX	16451	16358	16408	16418	16540	16754	16752	16790	16704	16611	16445	16432
	MIN	15883	15720	15856	16017	16009	16291	16405	16390	16290	16094	15942	15782

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	62	71	60	61	47	38	36	34	46	55	58	62
850	65	74	64	62	49	39	34	35	43	57	62	63
700	90	95	87	80	62	50	38	41	50	72	84	85
500	136	139	133	114	90	74	51	56	64	102	124	131
300	191	190	188	162	140	122	81	92	96	144	174	184
200	182	176	174	153	145	146	103	107	111	153	167	176
150	153	156	140	118	120	134	95	94	104	136	143	153
100	110	116	109	89	96	93	65	62	81	103	102	119

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	20	17	23	24	24	30	34	29	30	27	23	17
	MIN	13-	15-	13-	5-	0	10	15	13	4	1-	10-	13-
850	MAX	15	13	15	16	19	22	25	24	22	21	16	14
	MIN	19-	23-	21-	13-	3-	4	8	5	1-	8-	15-	21-
700	MAX	7	5	8	8	11	13	13	11	10	9	7	6
	MIN	24-	28-	23-	23-	15-	7-	0-	2-	6-	14-	21-	27-
500	MAX	10-	11-	10-	10-	6-	4-	3-	3-	4-	4-	7-	10-
	MIN	36-	42-	35-	32-	29-	22-	16-	18-	20-	30-	34-	37-
300	MAX	37-	37-	32-	36-	35-	28-	28-	27-	28-	30-	27-	26-
	MIN	54-	55-	54-	53-	52-	48-	44-	45-	44-	51-	56-	55-
200	MAX	42-	38-	41-	42-	42-	46-	48-	44-	46-	43-	43-	40-
	MIN	67-	69-	69-	68-	66-	62-	61-	62-	63-	65-	65-	66-
150	MAX	47-	45-	46-	46-	48-	49-	52-	49-	53-	49-	47-	46-
	MIN	74-	69-	75-	71-	73-	71-	70-	69-	69-	70-	72-	70-
100	MAX	52-	50-	48-	50-	53-	53-	54-	54-	54-	55-	50-	50-
	MIN	72-	70-	68-	67-	68-	73-	73-	72-	71-	77-	73-	71-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	7.3	6.9	6.8	5.7	4.6	4.0	3.1	3.1	4.4	5.0	6.3	6.7
850	7.3	7.0	7.2	5.8	4.3	3.7	2.9	3.0	4.2	5.0	6.5	7.2
700	6.2	6.0	6.1	5.0	3.9	3.5	2.4	2.6	2.8	4.3	5.6	6.2
500	5.4	5.0	5.3	4.3	3.7	3.3	2.4	2.7	2.7	4.0	4.9	5.4
300	3.7	3.3	3.7	3.2	3.5	3.7	3.0	3.0	3.2	3.7	3.8	4.0
200	6.3	6.2	6.3	5.9	4.5	3.1	2.3	2.7	2.8	3.8	5.1	5.7
150	5.4	4.2	4.4	5.0	5.3	4.7	3.6	4.0	3.1	4.1	5.0	4.9
100	4.3	4.1	3.7	3.6	3.2	3.8	3.6	3.4	3.2	4.2	4.3	4.4

YAKUTAT, ALASKA, WBO

ELEVATION 12 METERS MSL JAN1946 DEC1955

EXTREME HEIGHTS

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	760	710	710	710	700	700	690	680	710	690	720	700
	MIN	200	270	260	220	390	390	420	390	310	220	110	200
850	MAX	1616	1565	1613	1600	1594	1600	1595	1592	1624	1577	1597	1585
	MIN	1063	1157	1123	1115	1267	1289	1351	1308	1209	1109	1004	1073
700	MAX	3107	3116	3159	3137	3135	3156	3209	3201	3208	3106	3124	3099
	MIN	2537	2611	2607	2646	2739	2813	2899	2878	2753	2628	2529	2581
500	MAX	5614	5720	5706	5682	5789	5790	5896	5887	5868	5768	5682	5648
	MIN	4863	4965	5044	5136	5144	5339	5451	5419	5305	5137	5095	4983
300	MAX	9165	9375	9252	9304	9478	9498	9646	9648	9599	9478	9291	9166
	MIN	8257	8305	8441	8495	8555	8809	8994	8957	8742	8509	8511	8408
200	MAX	11704	11730	11789	11879	12108	12140	12310	12325	12263	12123	11885	11743
	MIN	10894	10961	11100	11141	11257	11512	11640	11600	11336	11143	11155	10983
150	MAX	13542	13496	13556	13662	13895	13977	14092	14115	14053	13849	13734	13599
	MIN	12751	12844	12969	13017	13203	13444	13621	13496	13219	13041	13054	12831
100	MAX	16202	16218	16996	16256	16468	16594	16663	16654	16473	16272	16326	16198
	MIN	15321	15501	15608	15662	15908	16156	16325	16191	15830	15720	15674	15418

STANDARD DEVIATIONS OF HEIGHTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	110	98	91	82	59	56	46	53	80	98	101	106
850	112	99	92	83	59	58	47	56	82	98	98	105
700	119	106	100	87	70	70	58	68	92	99	98	106
500	158	137	137	117	102	101	82	100	125	122	121	132
300	200	189	187	168	146	150	125	151	194	180	173	182
200	175	152	155	138	128	134	118	152	194	172	155	164
150	162	141	137	122	113	108	89	121	158	144	133	158
100	168	156	173	112	98	90	65	94	132	109	103	146

EXTREME TEMPERATURES

MBS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	MAX	5	8	9	14	20	20	21	19	17	13	11	6
	MIN	16-	15-	16-	10-	3-	1	4	5	1	1-	10-	15-
850	MAX	3	5	8	7	15	16	16	16	12	11	7	1
	MIN	22-	20-	21-	12-	10-	5-	2-	0	6-	8-	16-	20-
700	MAX	4-	0	3	0-	3	5	8	10	5	4	0-	5-
	MIN	31-	28-	30-	22-	21-	14-	9-	10-	17-	18-	23-	29-
500	MAX	18-	15-	18-	16-	12-	10-	7-	6-	8-	11-	17-	17-
	MIN	47-	45-	44-	41-	40-	31-	26-	25-	32-	37-	40-	43-
300	MAX	38-	42-	41-	40-	39-	36-	36-	34-	36-	39-	43-	36-
	MIN	61-	59-	61-	60-	56-	53-	53-	52-	58-	61-	58-	66-
200	MAX	40-	38-	40-	37-	41-	38-	40-	40-	43-	42-	42-	35-
	MIN	72-	69-	67-	66-	64-	64-	62-	64-	64-	69-	66-	71-
150	MAX	39-	38-	40-	40-	41-	39-	40-	43-	42-	44-	41-	41-
	MIN	64-	64-	63-	63-	58-	60-	61-	63-	64-	64-	59-	69-
100	MAX	36-	41-	43-	41-	40-	40-	42-	42-	45-	42-	43-	35-
	MIN	63-	61-	58-	59-	54-	55-	58-	60-	60-	59-	59-	71-

STANDARD DEVIATIONS OF TEMPERATURES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
950	4.4	3.5	3.5	2.6	3.4	3.9	3.1	2.5	2.2	2.7	3.6	4.0
850	4.6	3.8	3.9	2.9	4.0	4.6	3.9	3.4	3.0	2.9	3.7	4.1
700	5.3	4.5	4.7	3.9	4.2	4.1	3.4	3.7	4.1	3.6	4.4	4.4
500	6.0	5.2	5.6	5.3	4.6	4.1	3.5	4.1	5.0	5.0	5.1	5.5
300	4.0	3.5	4.0	3.3	3.3	3.5	3.3	4.1	4.6	4.4	3.4	4.1
200	6.1	5.8	5.5	5.7	4.7	6.2	5.5	5.7	5.3	5.1	5.1	5.8
150	4.2	4.7	3.9	3.8	3.0	3.9	3.5	4.3	3.8	3.7	3.8	4.8
100	4.0	4.1	3.3	3.3	2.3	2.7	2.8	3.0	2.8	3.1	3.6	5.0

Section B

Charts of Averages, Extremes, and Standard Deviations of Height and Temperature at 850, 700, 500, 300, 200, 150, and 100 mb.

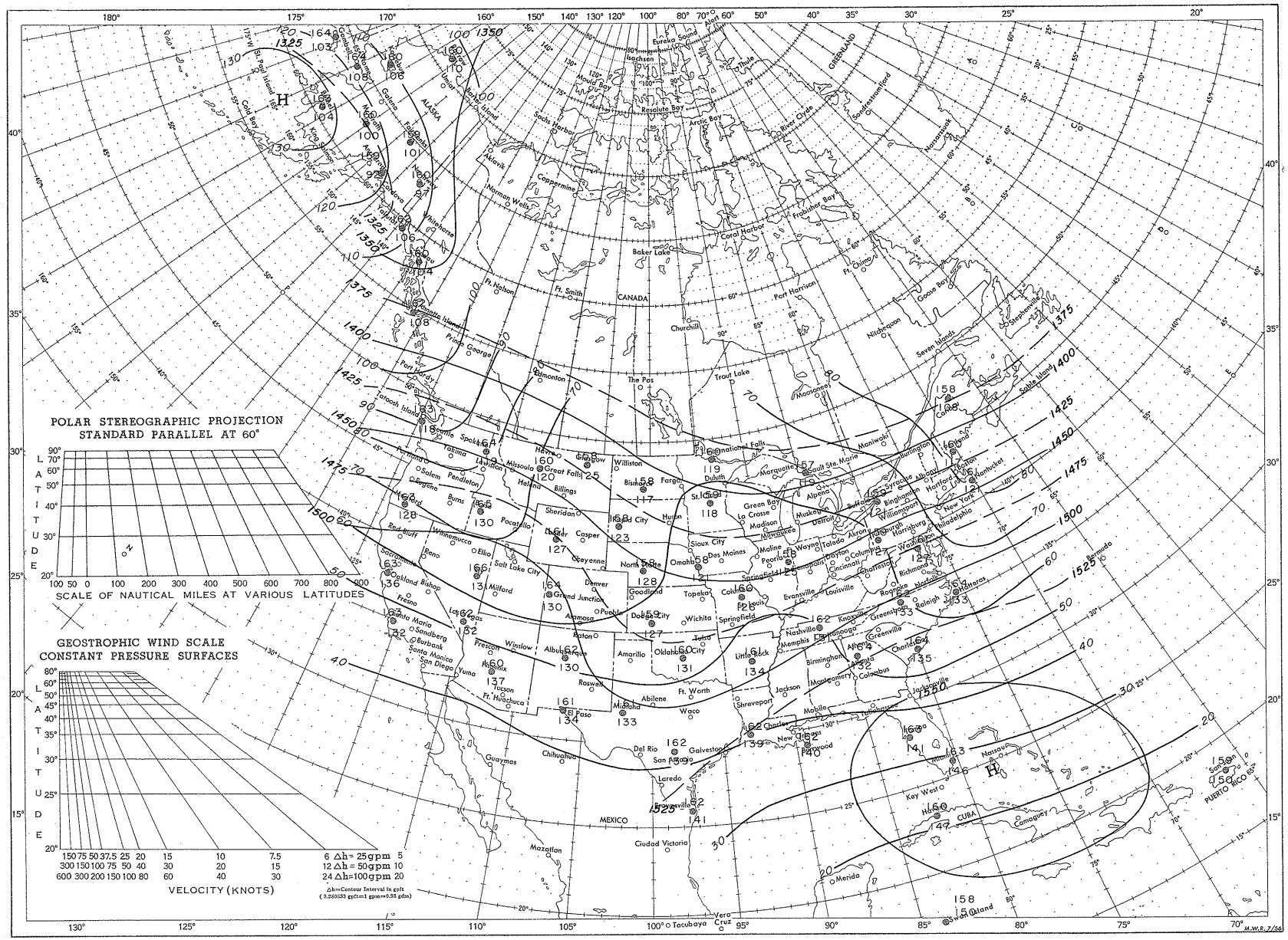

Chart 1 - January average 850-mb. height, with standard deviation, and extremes (gpm.).

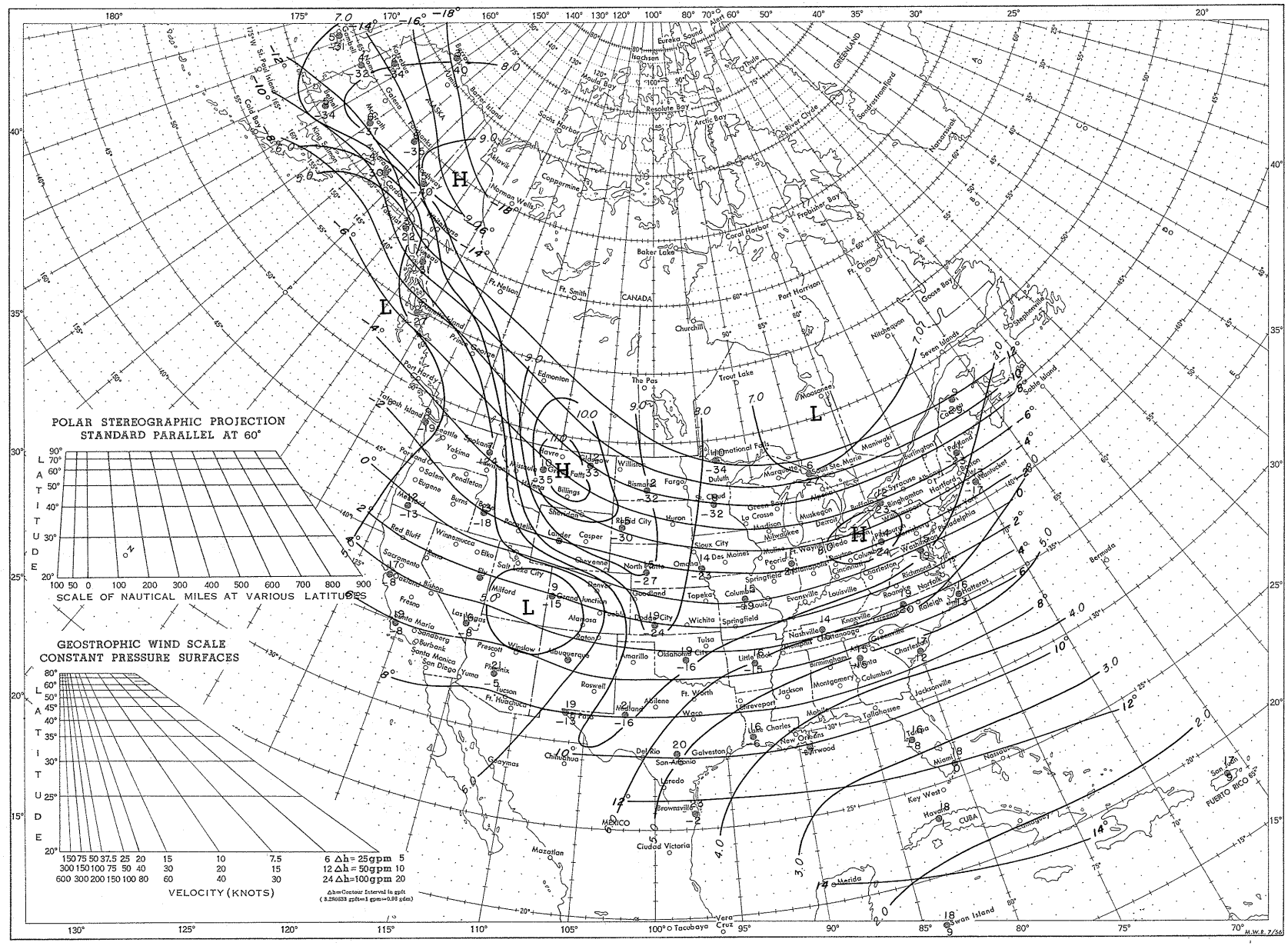

Chart 2 - January average 850-mb. temperature, with standard deviation, and extremes (°C.).

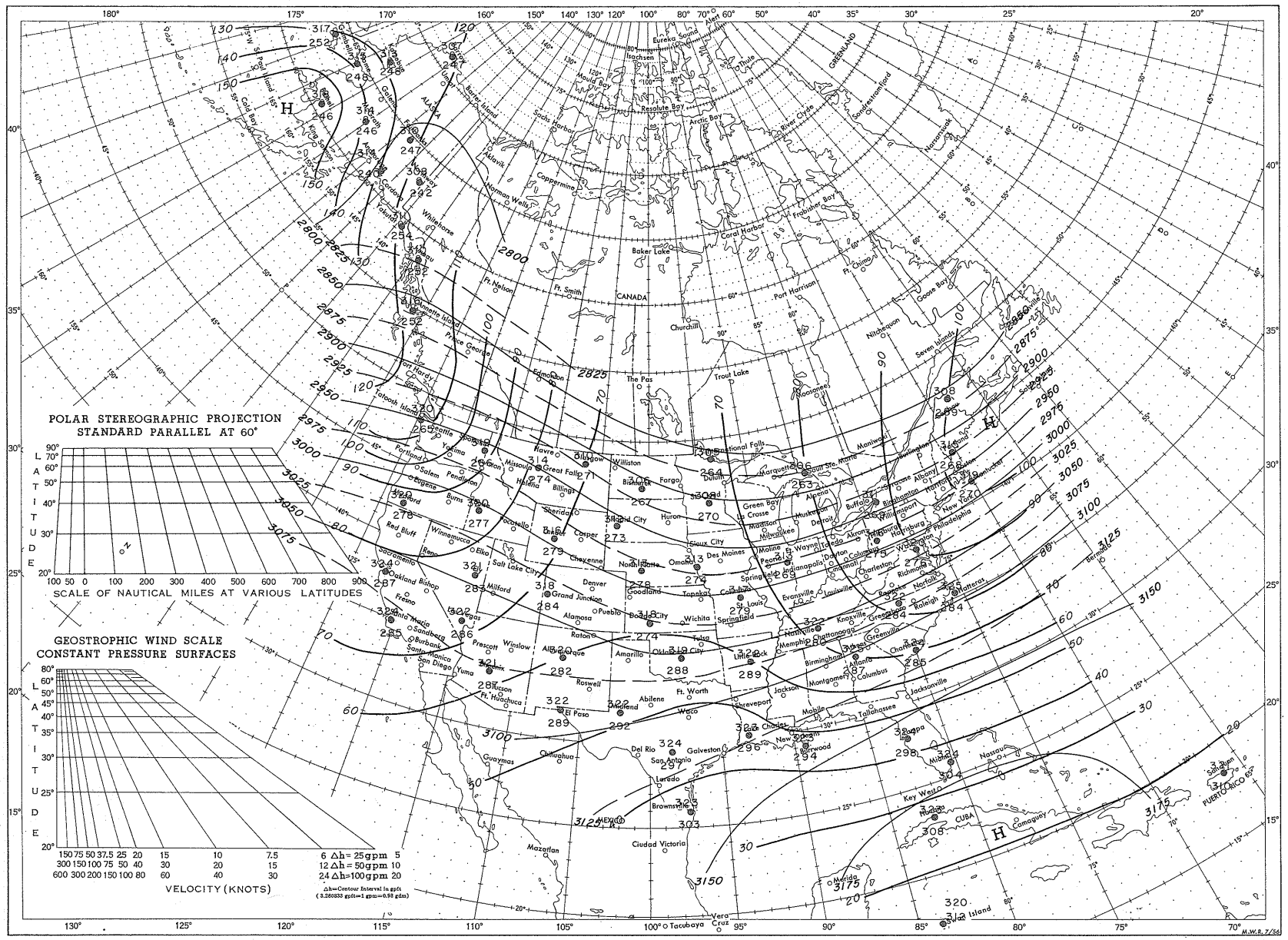

Chart 3 - January average 700-mb. height, with standard deviation, and extremes (gpm.).

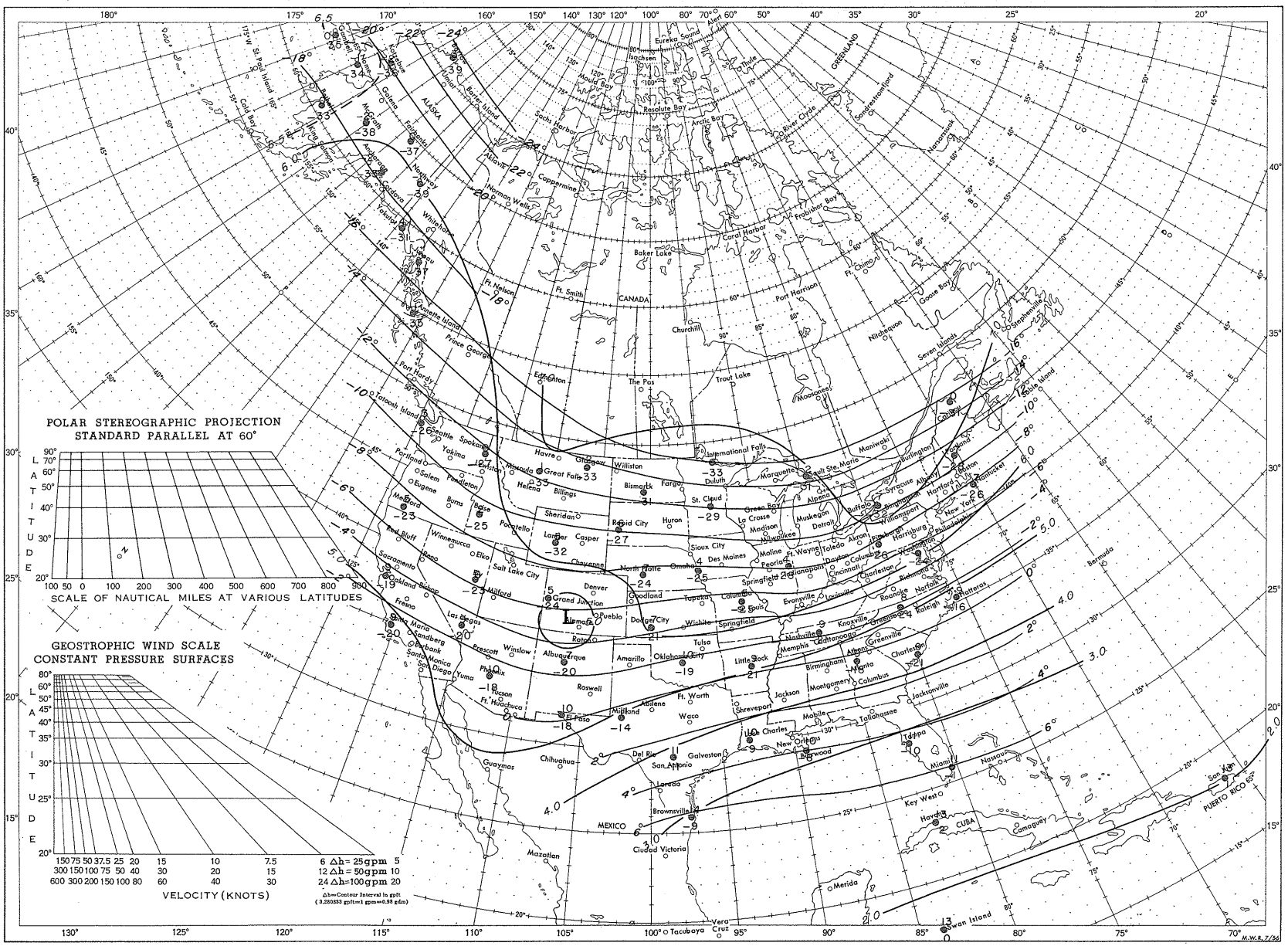

Chart 4 - January average 700-mb. temperature, with standard deviation, and extremes (°C.).

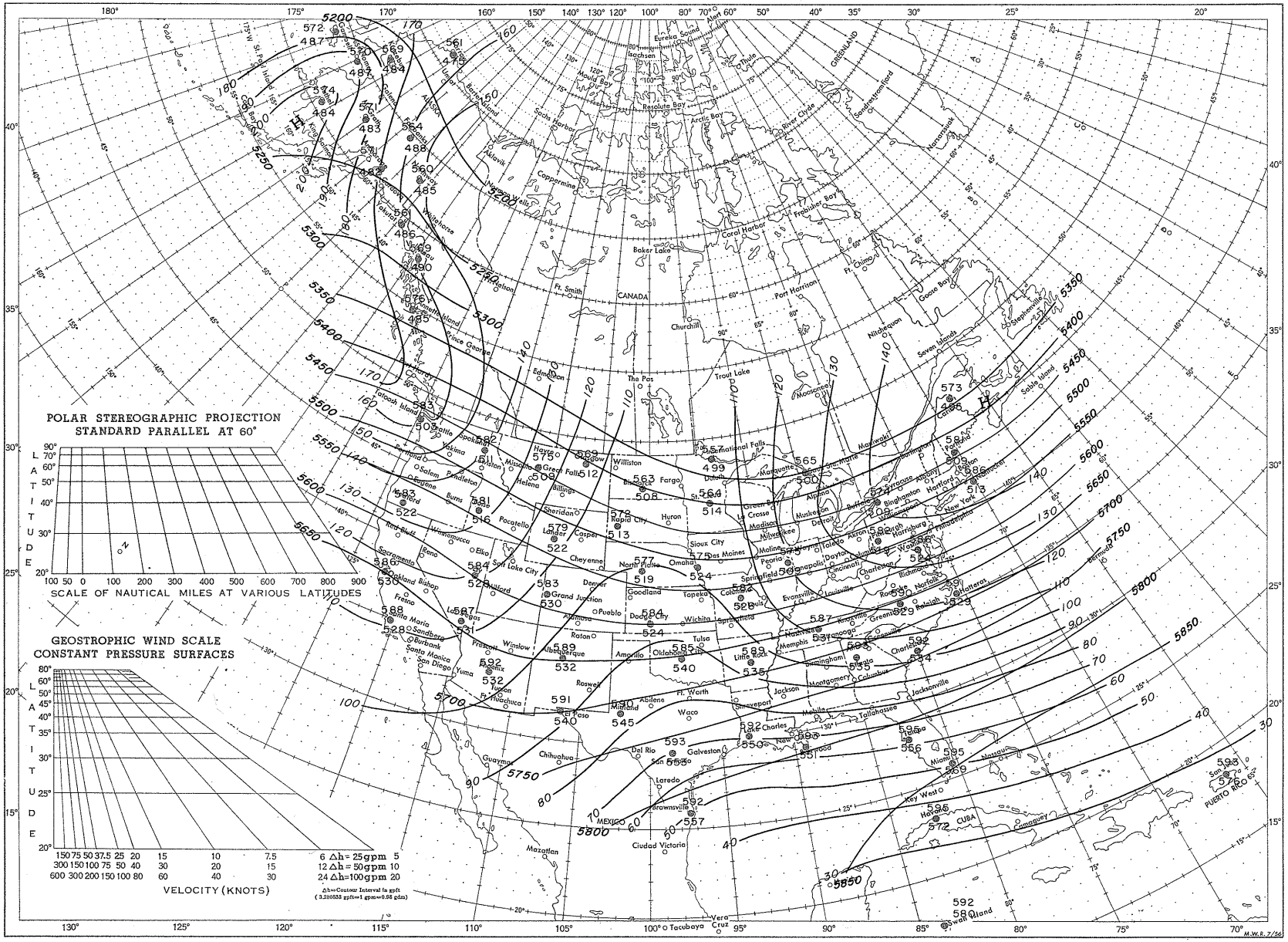

Chart 5 - January average 500-mb. height, with standard deviation, and extremes (gpm.).

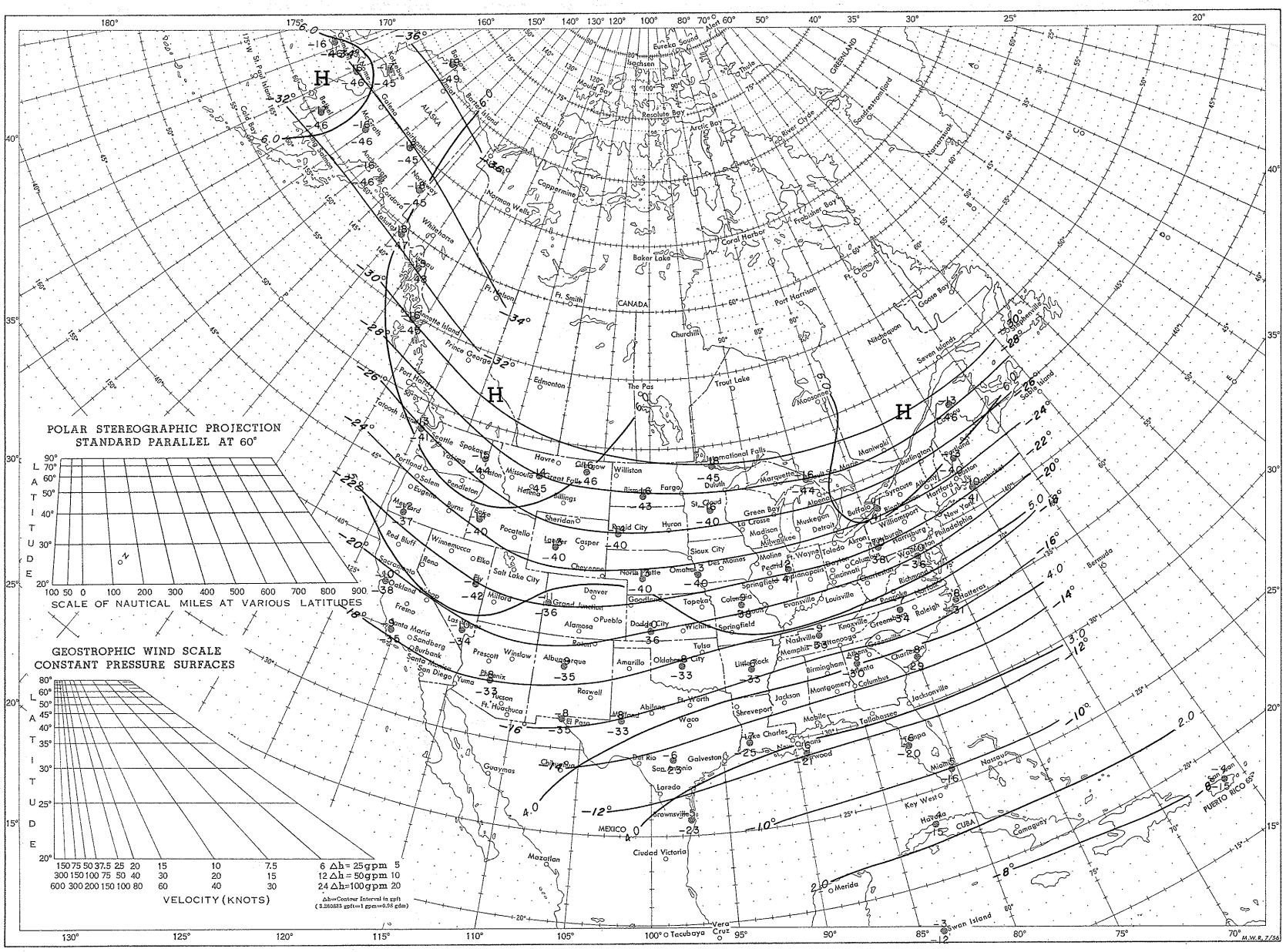

Chart 6 - January average 500-mb. temperature, with standard deviation, and extremes (°C.).

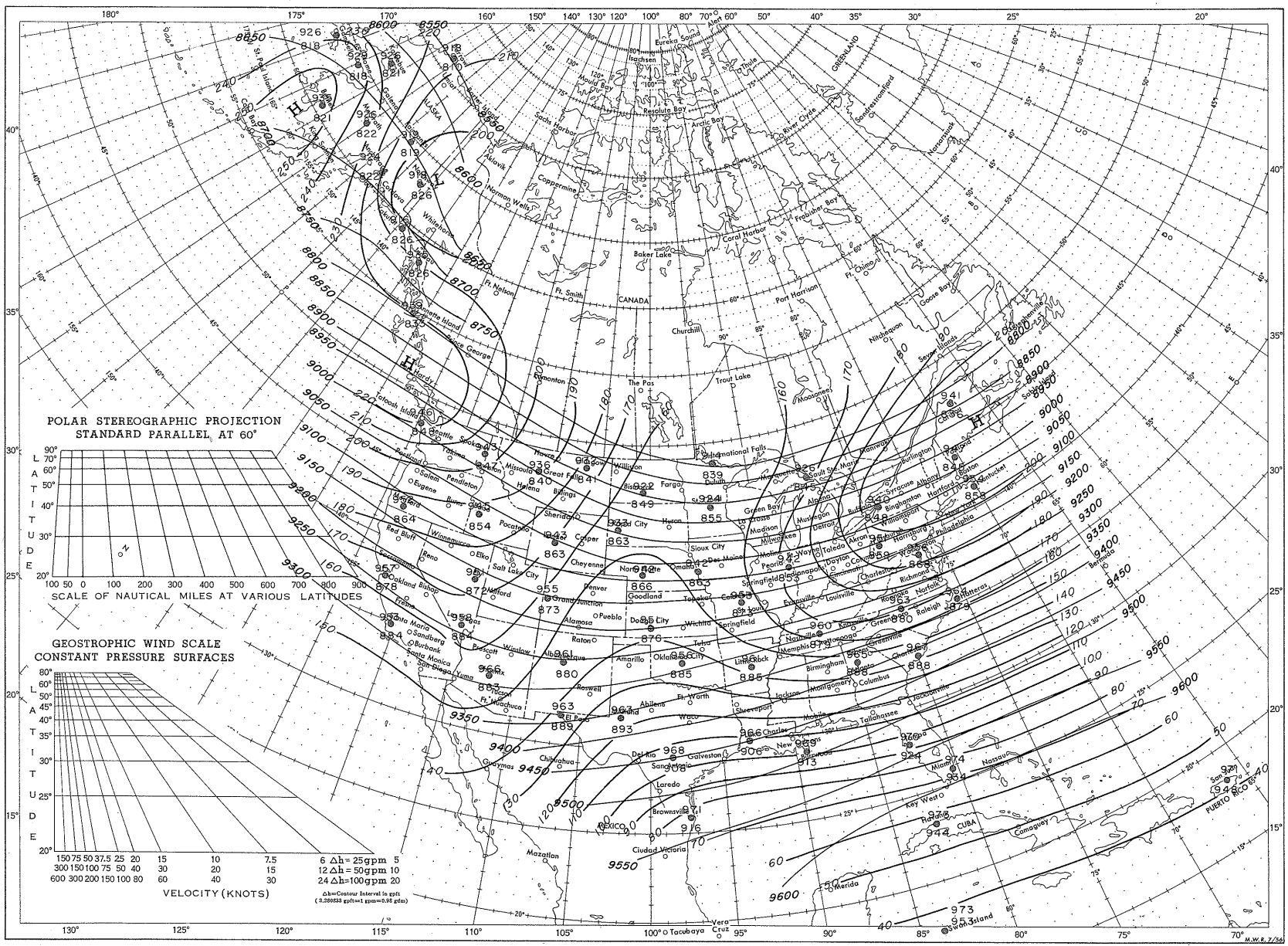

Chart 7 - January average 300-mb. height, with standard deviation, and extremes (gpm.).

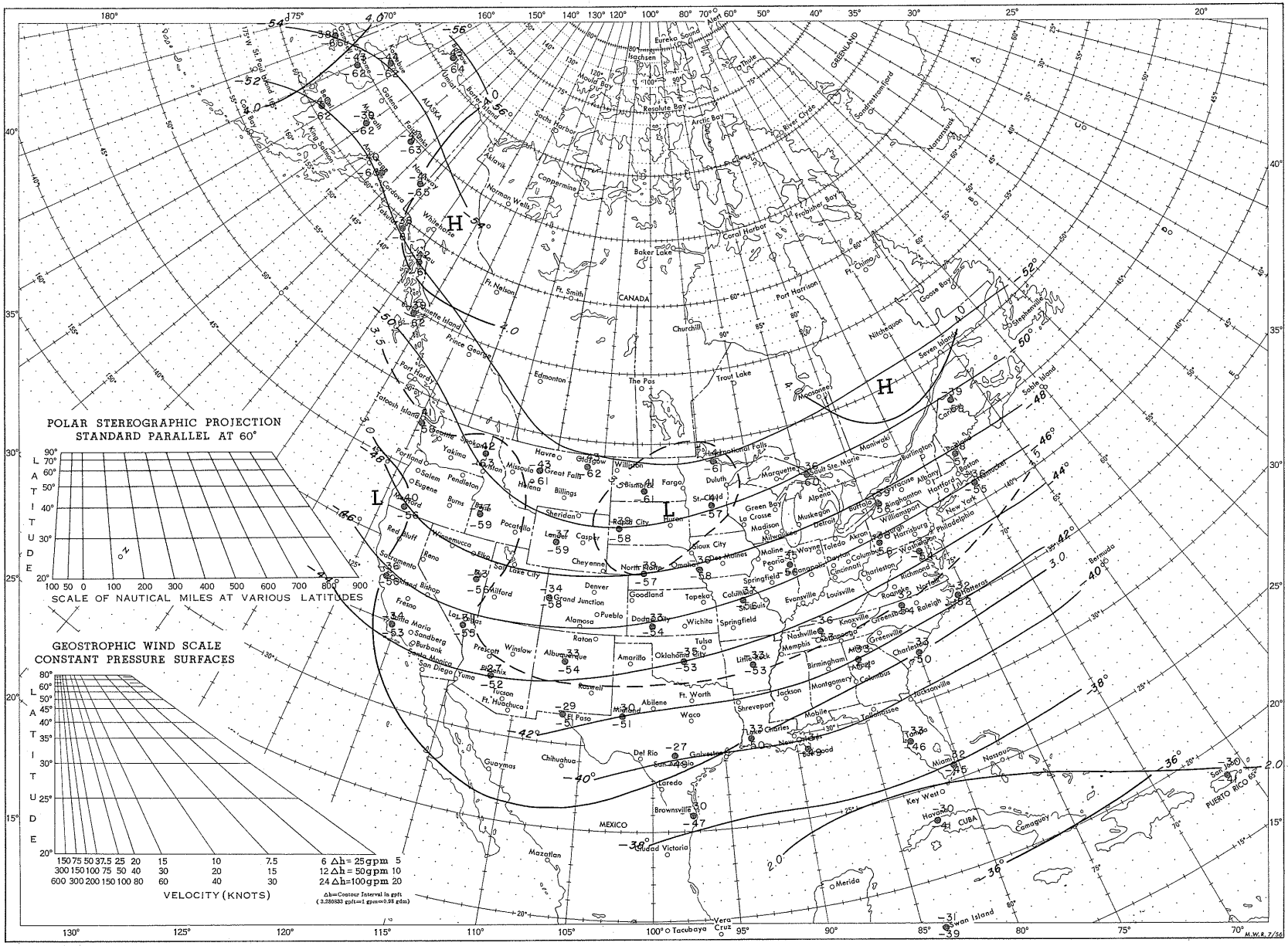

Chart 8 - January average 300-mb. temperature, with standard deviation, and extremes (°C.).

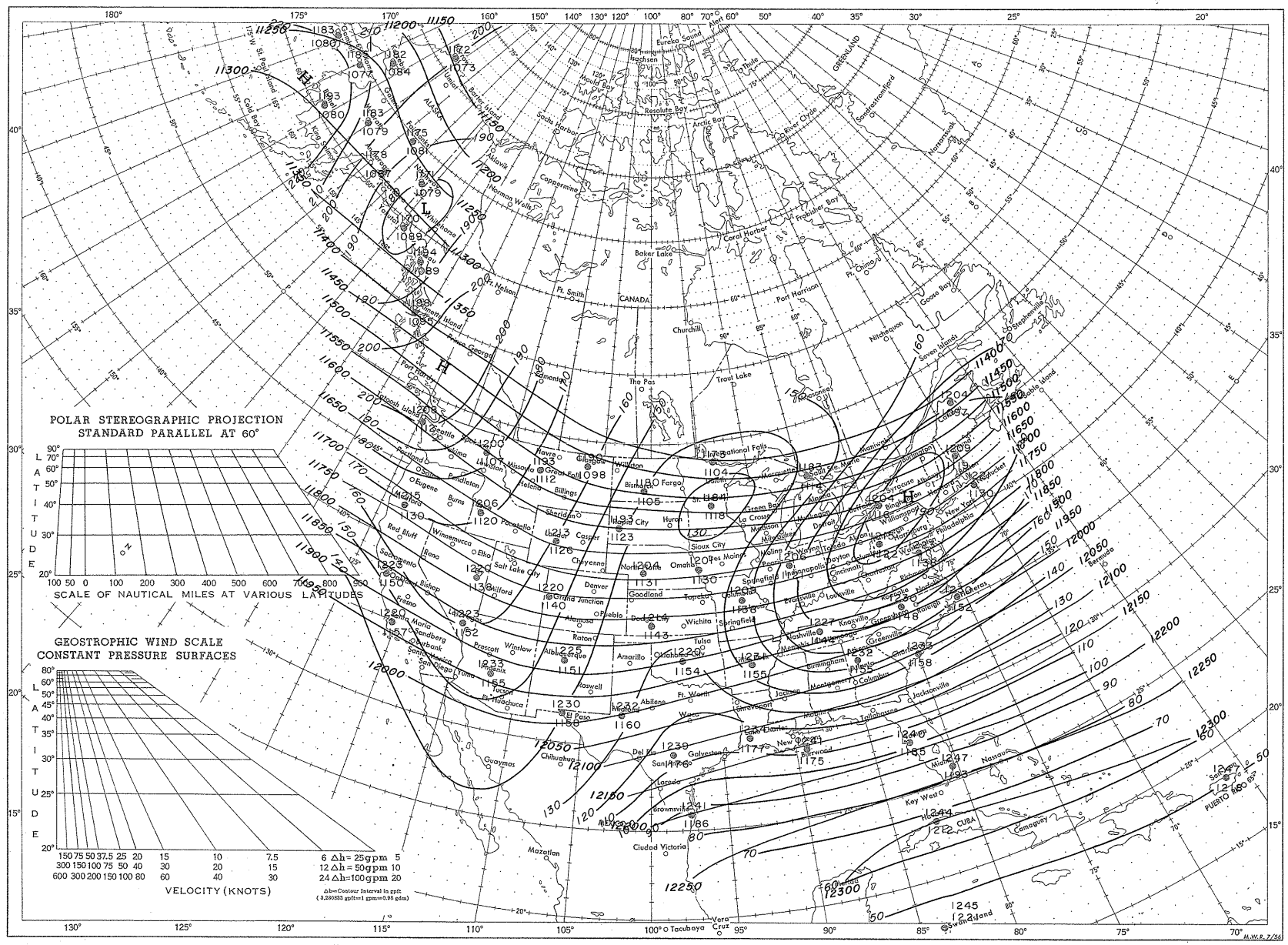

Chart 9 - January average 200-mb. height, with standard deviation, and extremes (gpm.).

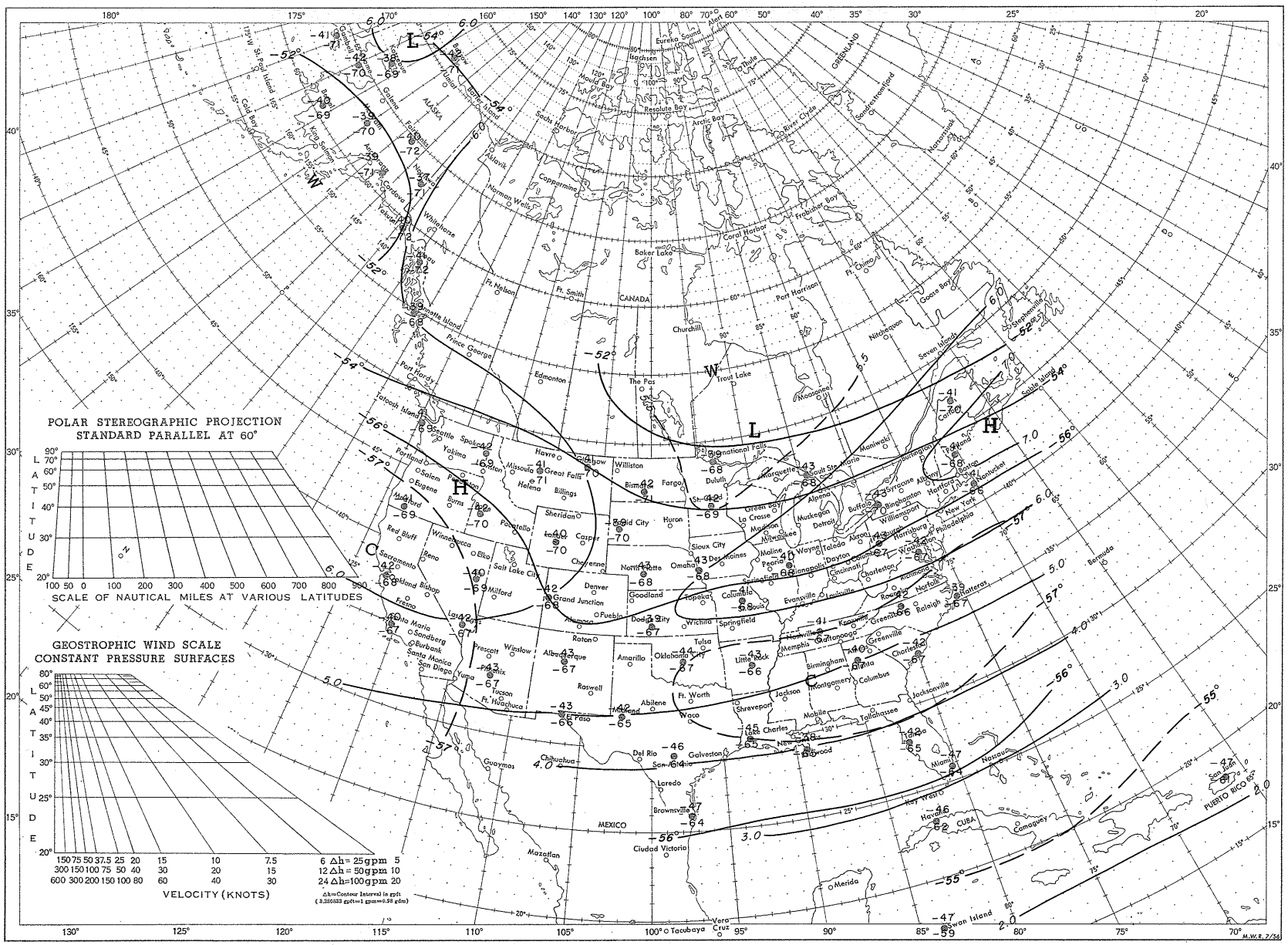

Chart 10 - January average 200-mb. temperature, with standard deviation, and extremes (°C.).

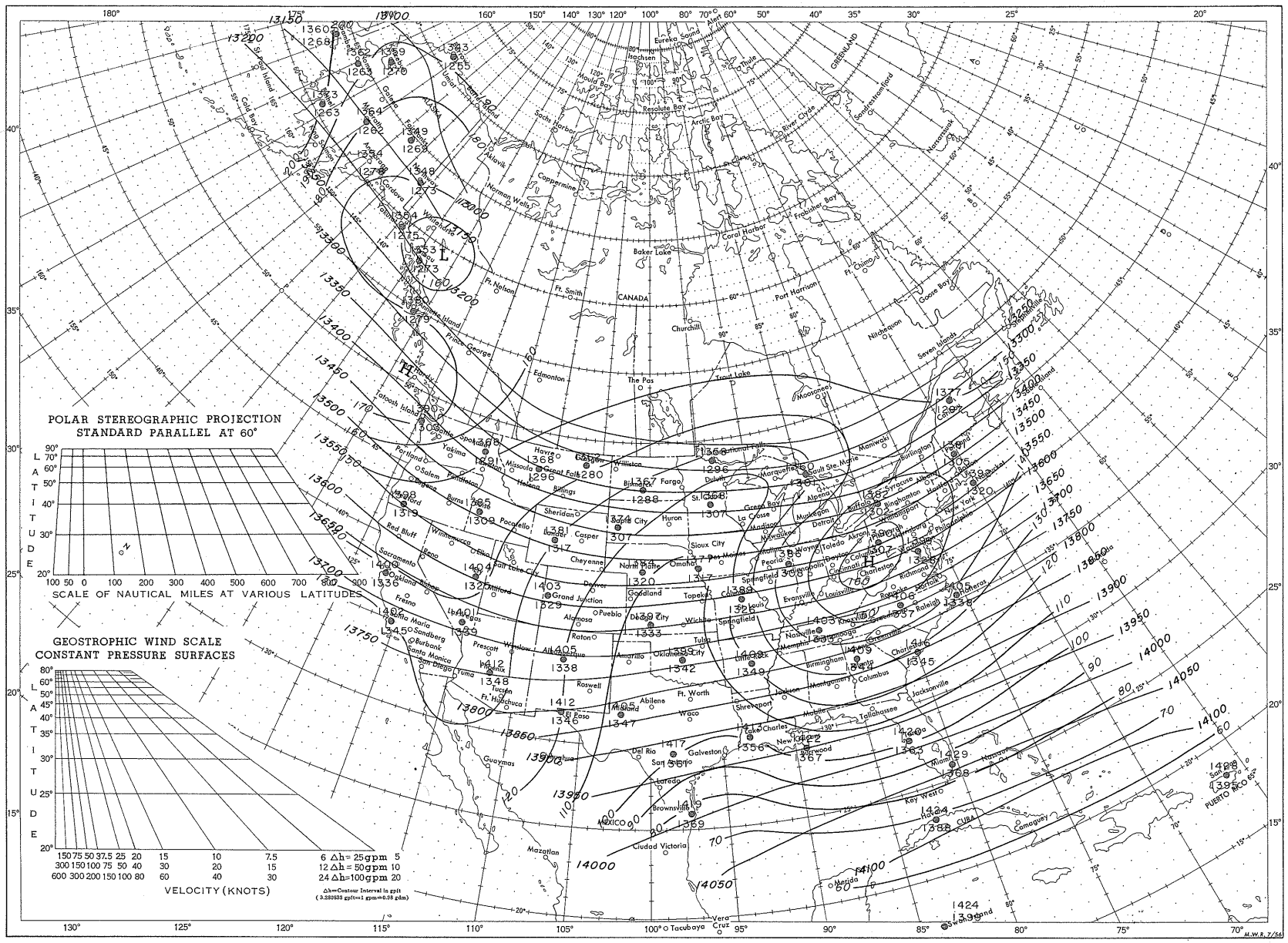

Chart 11 - January average 150-mb. height, with standard deviation, and extremes (gpm.).

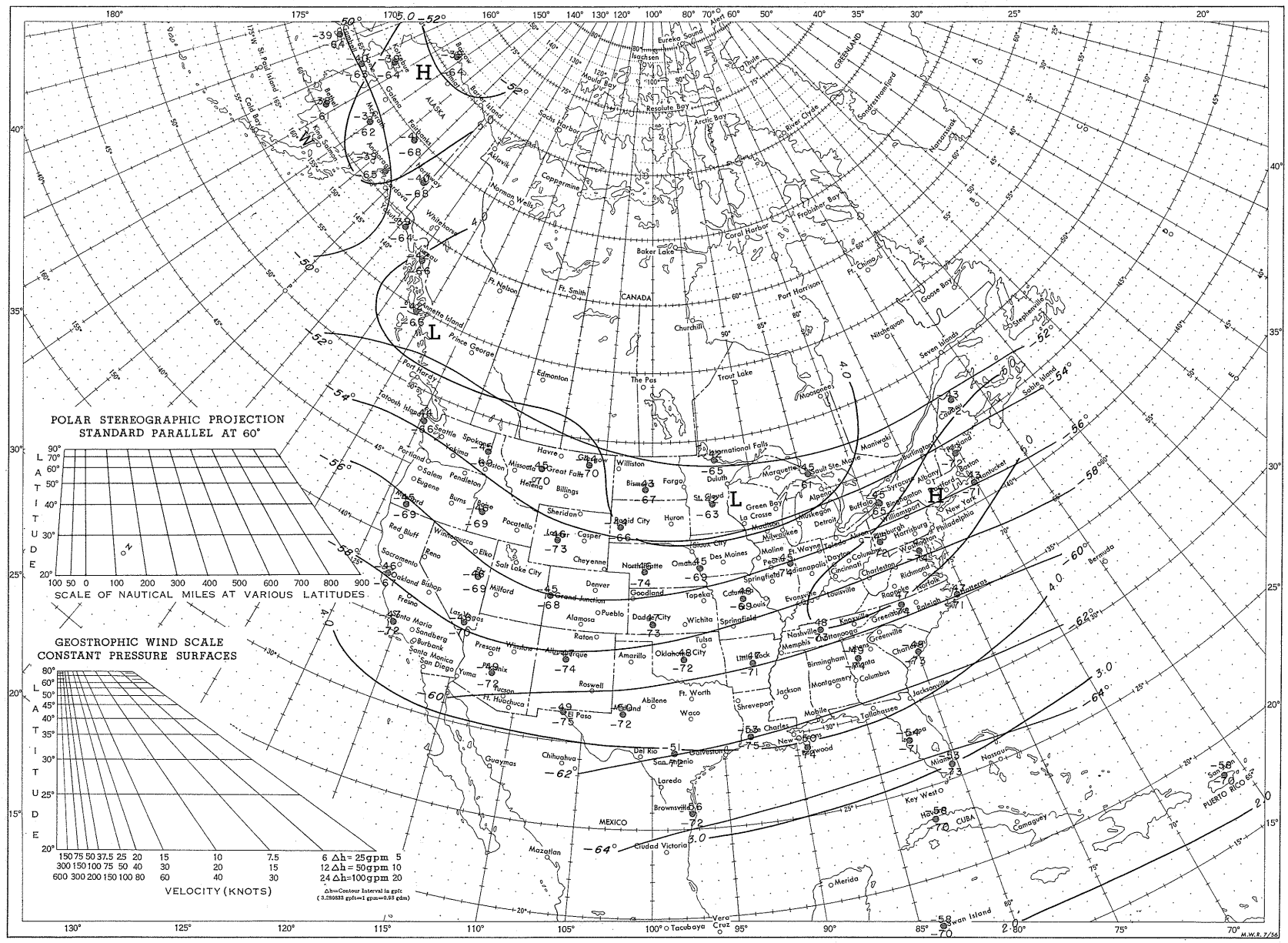

Chart 12 - January average 150-mb. temperature, with standard deviation, and extremes (°C.).

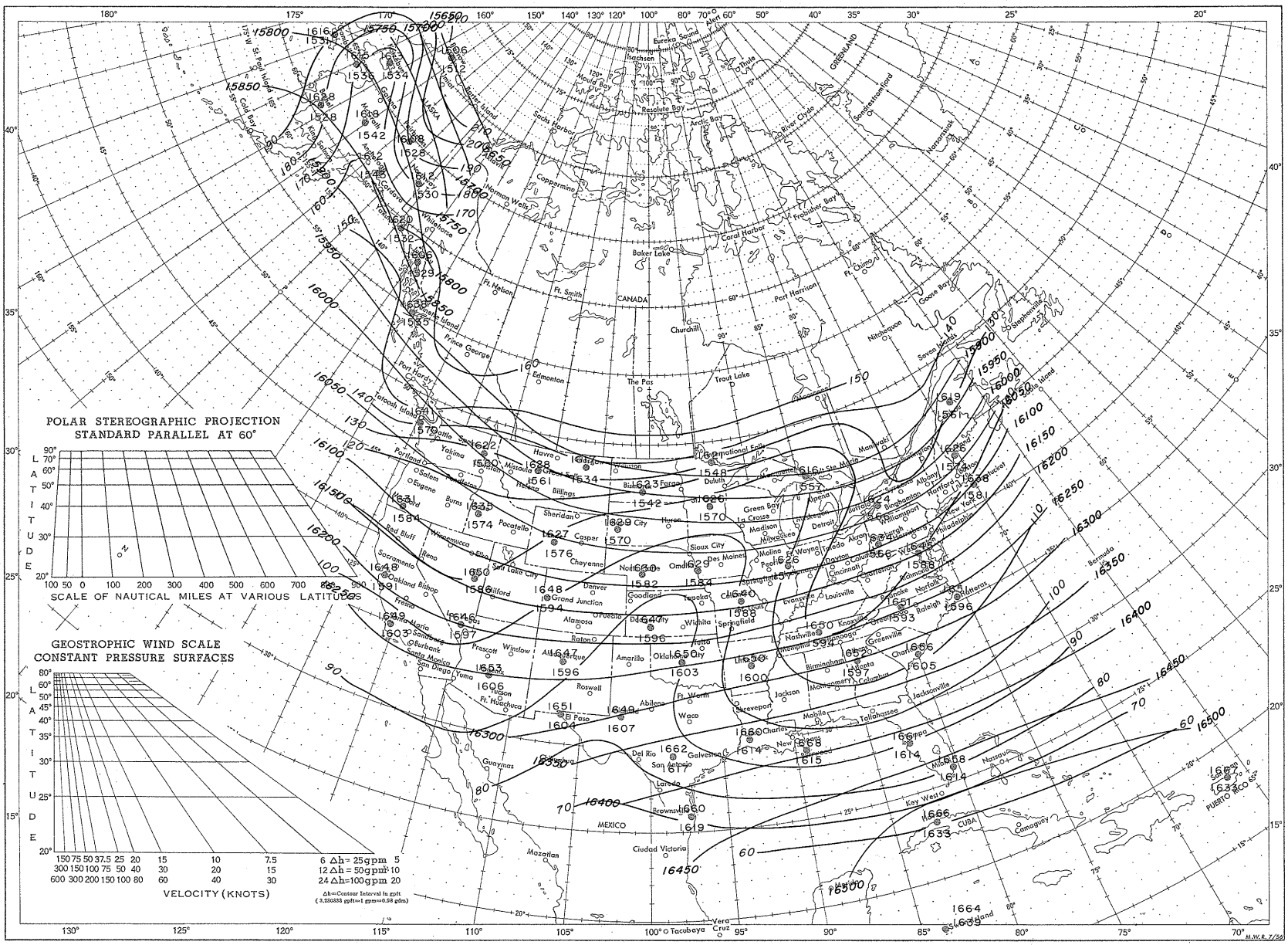

Chart 13 - January average 100-mb. height, with standard deviation, and extremes (gpm.).

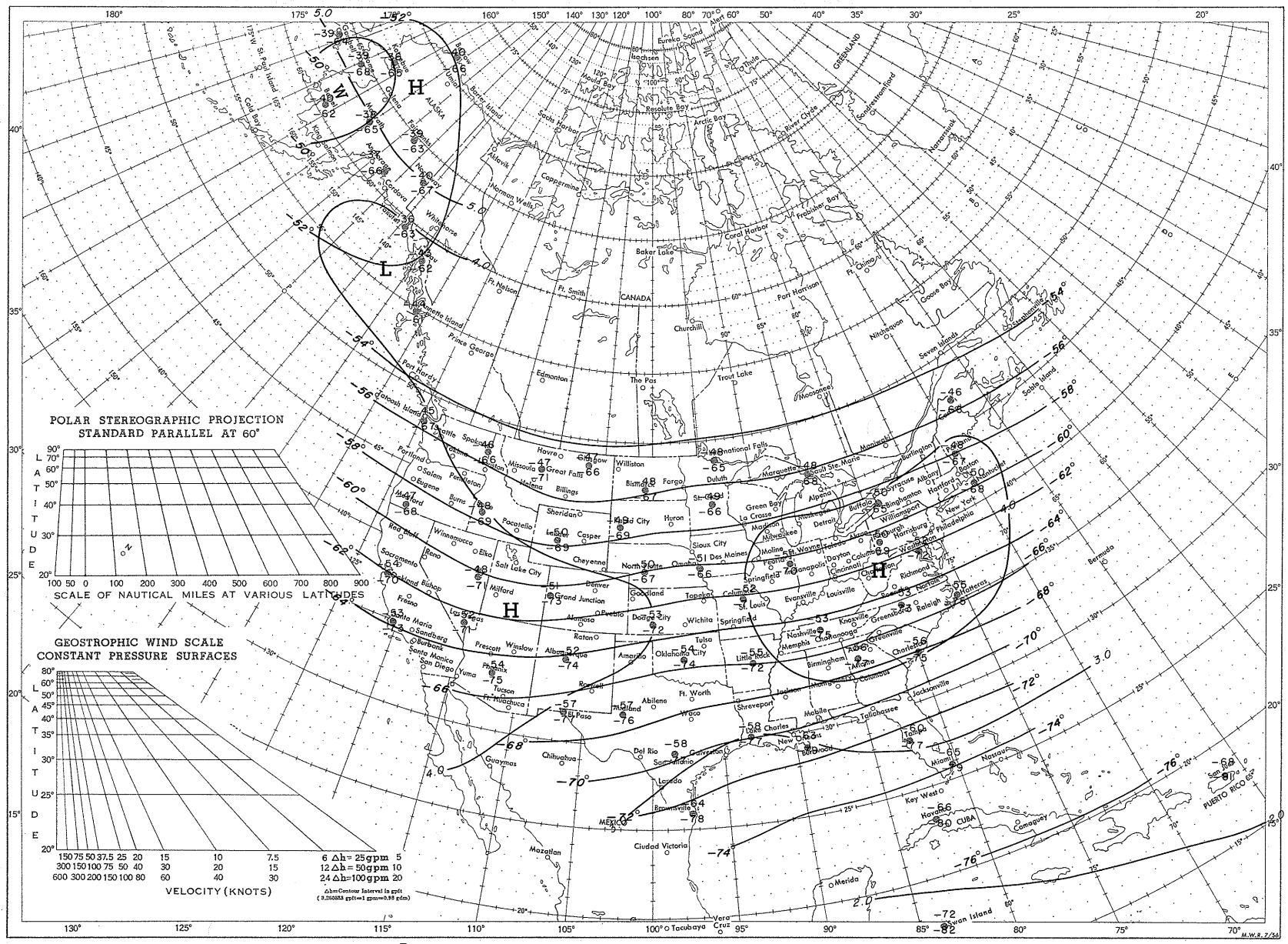

Chart 14 - January average 100-mb. temperature, with standard deviation, and extremes (°C.).

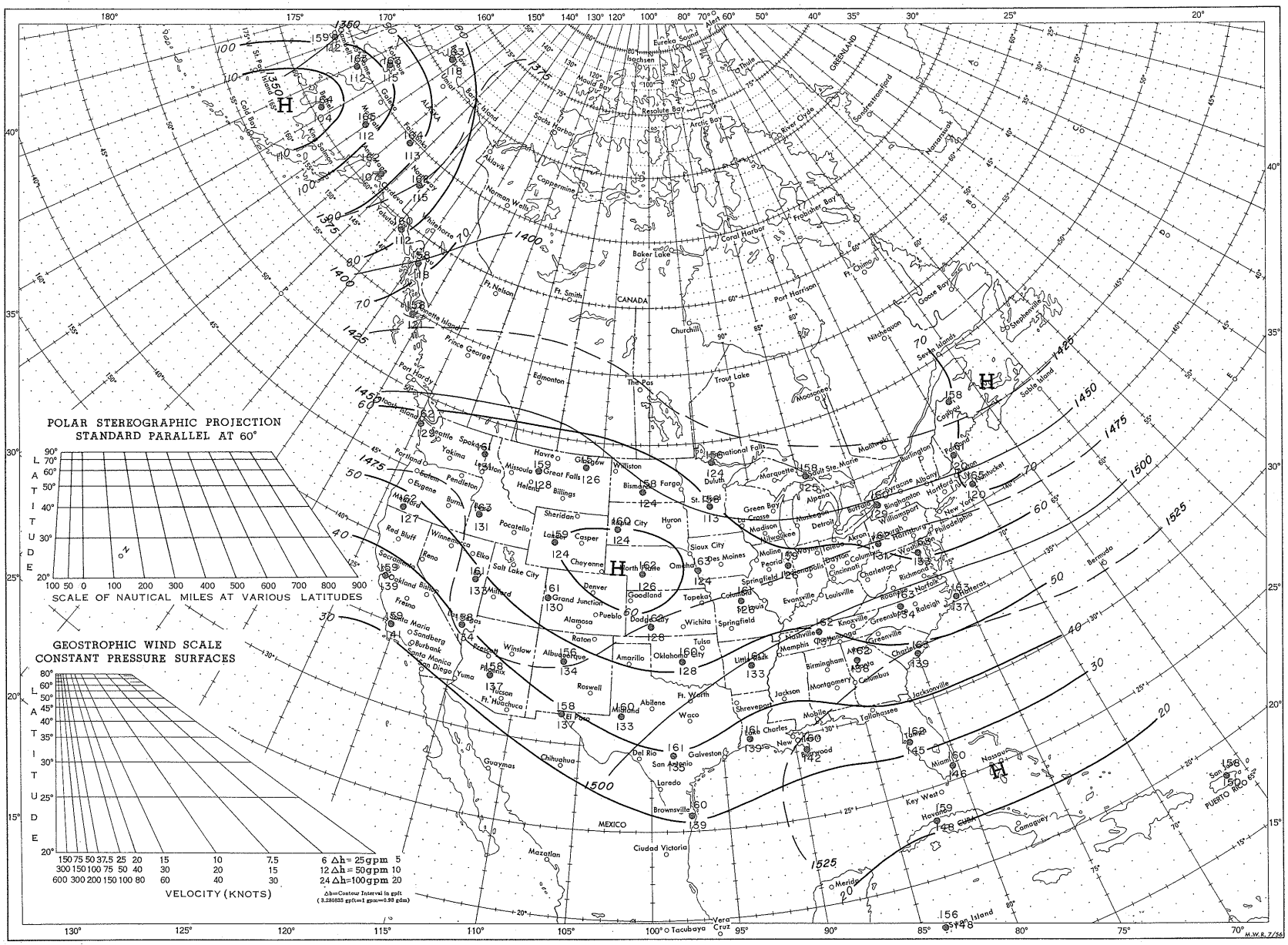

Chart 15 - April average 850-mb. height, with standard deviation, and extremes (gpm.).

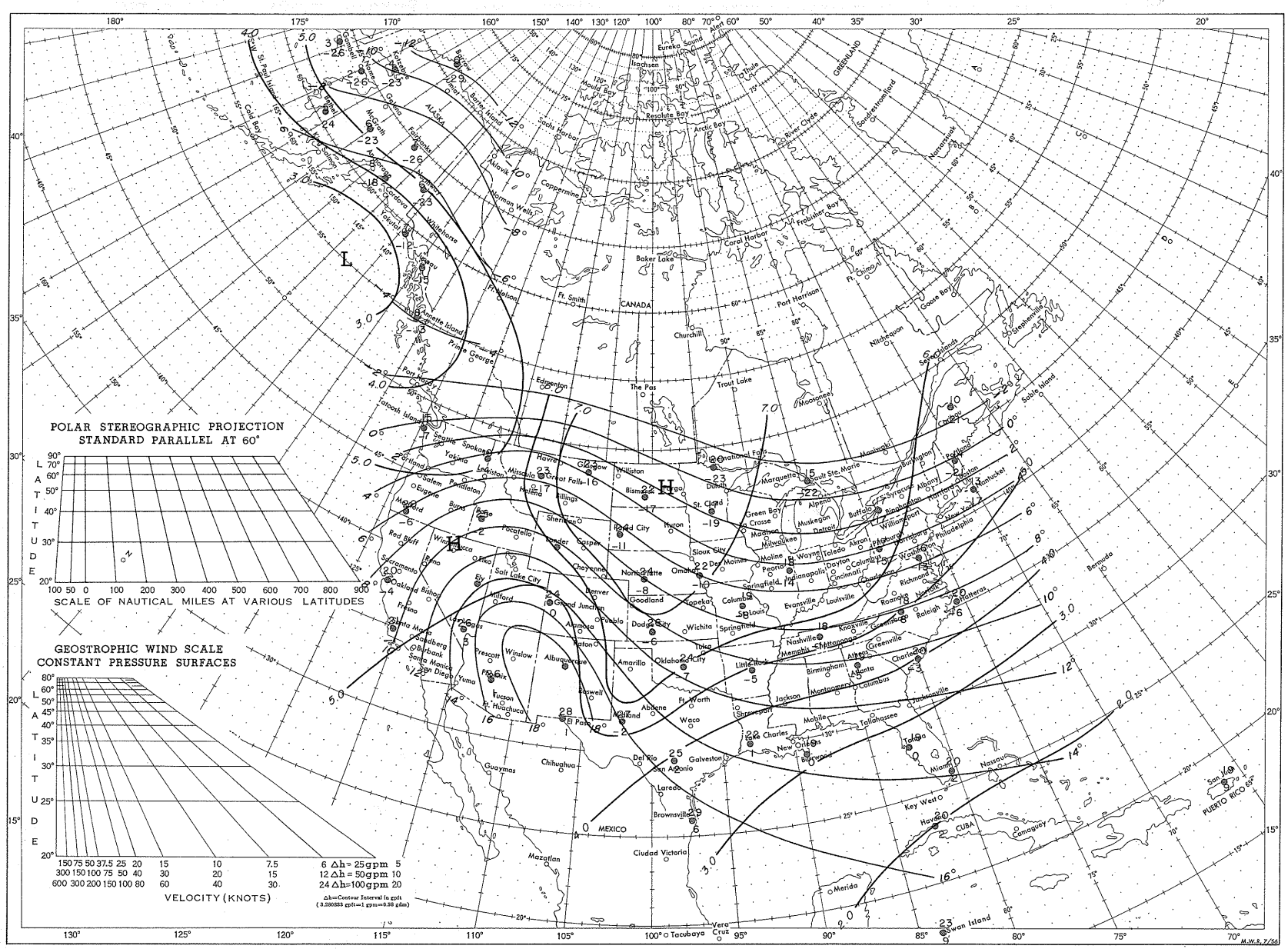

Chart 16 - April average 850-mb. temperature, with standard deviation, and extremes (°C.).

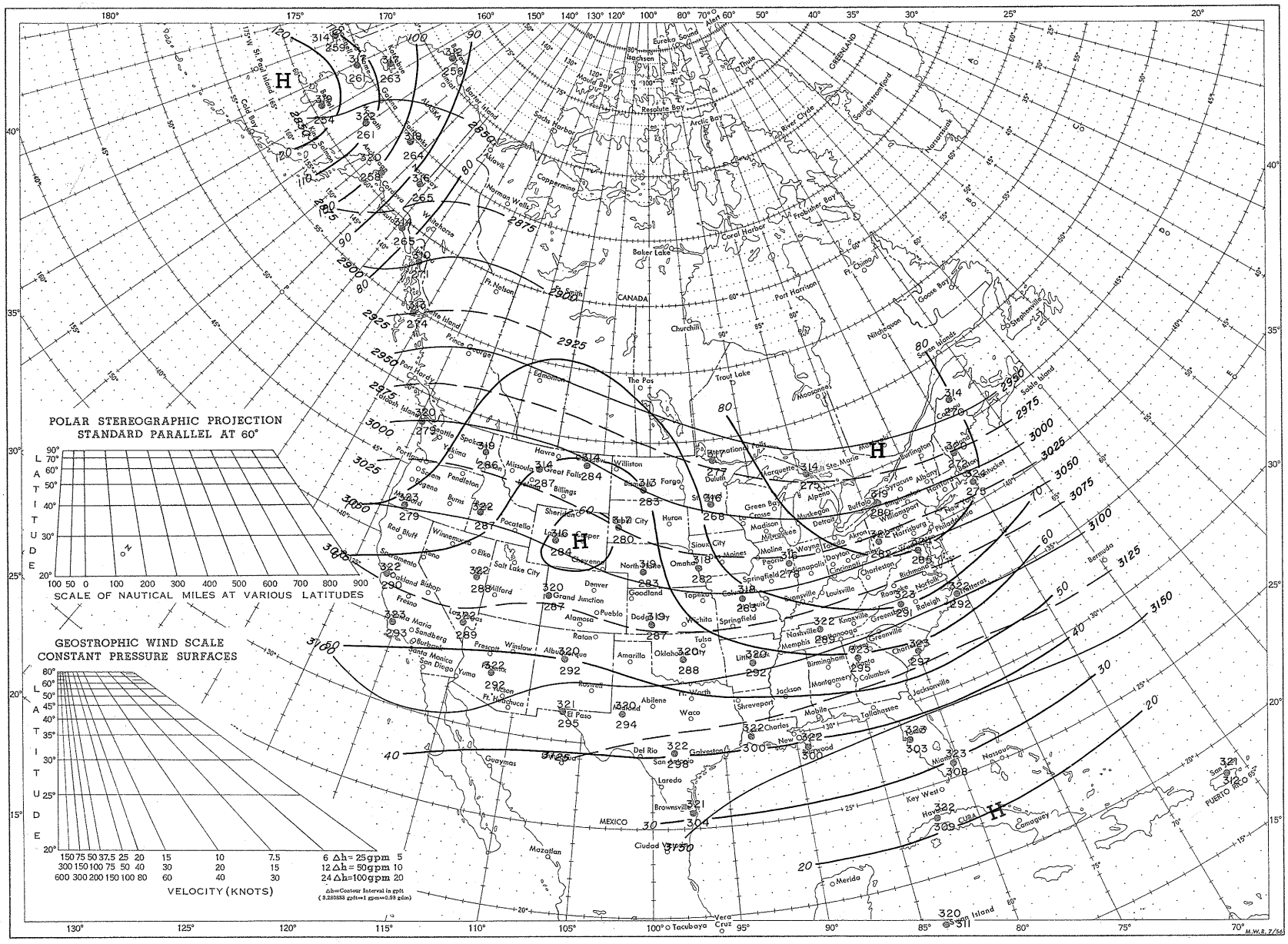

Chart 17 - April average 700-mb. height, with standard deviation, and extremes (gpm.).

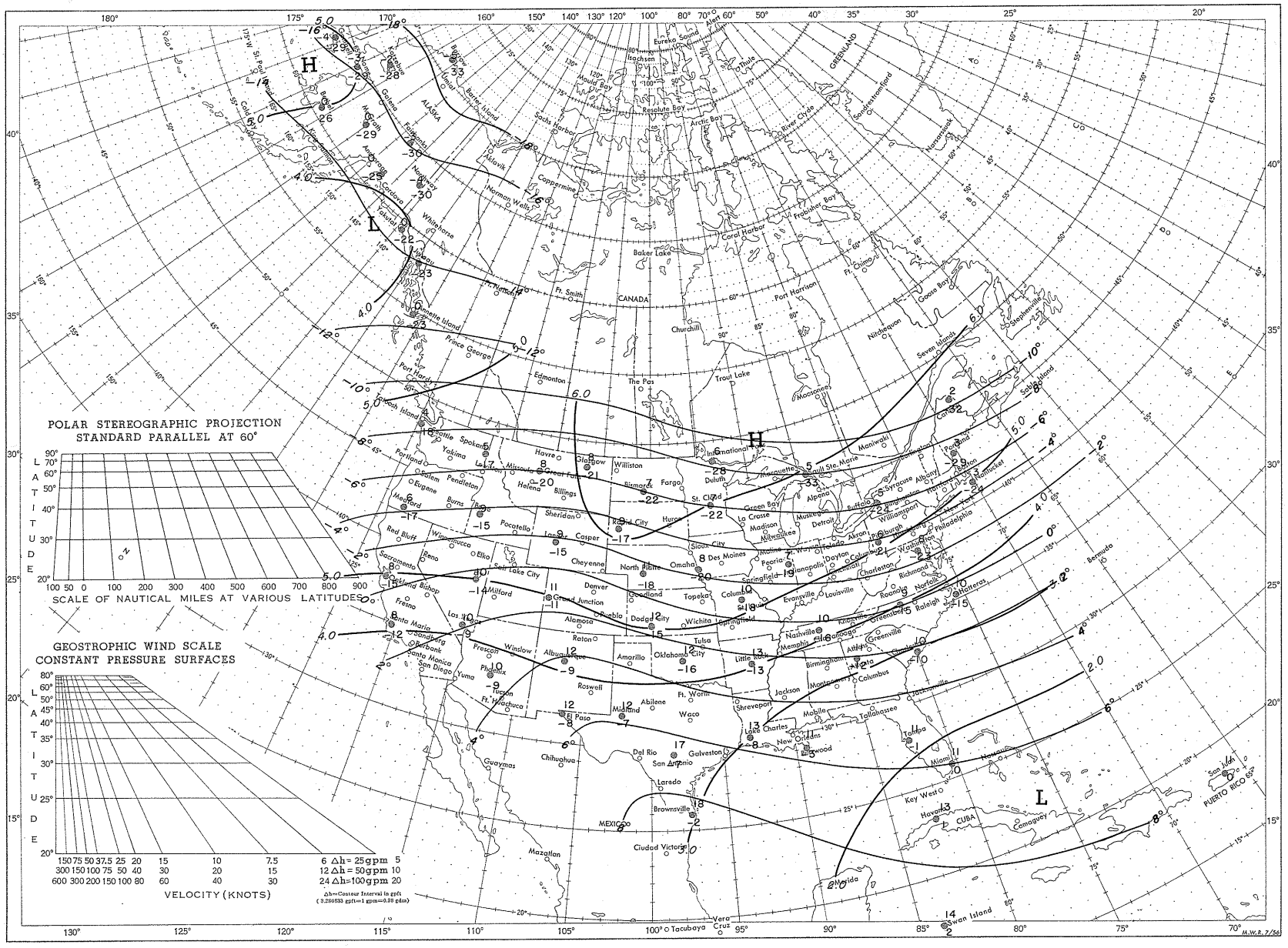

Chart 18 - April average 700-mb. temperature, with standard deviation, and extremes (°C.).

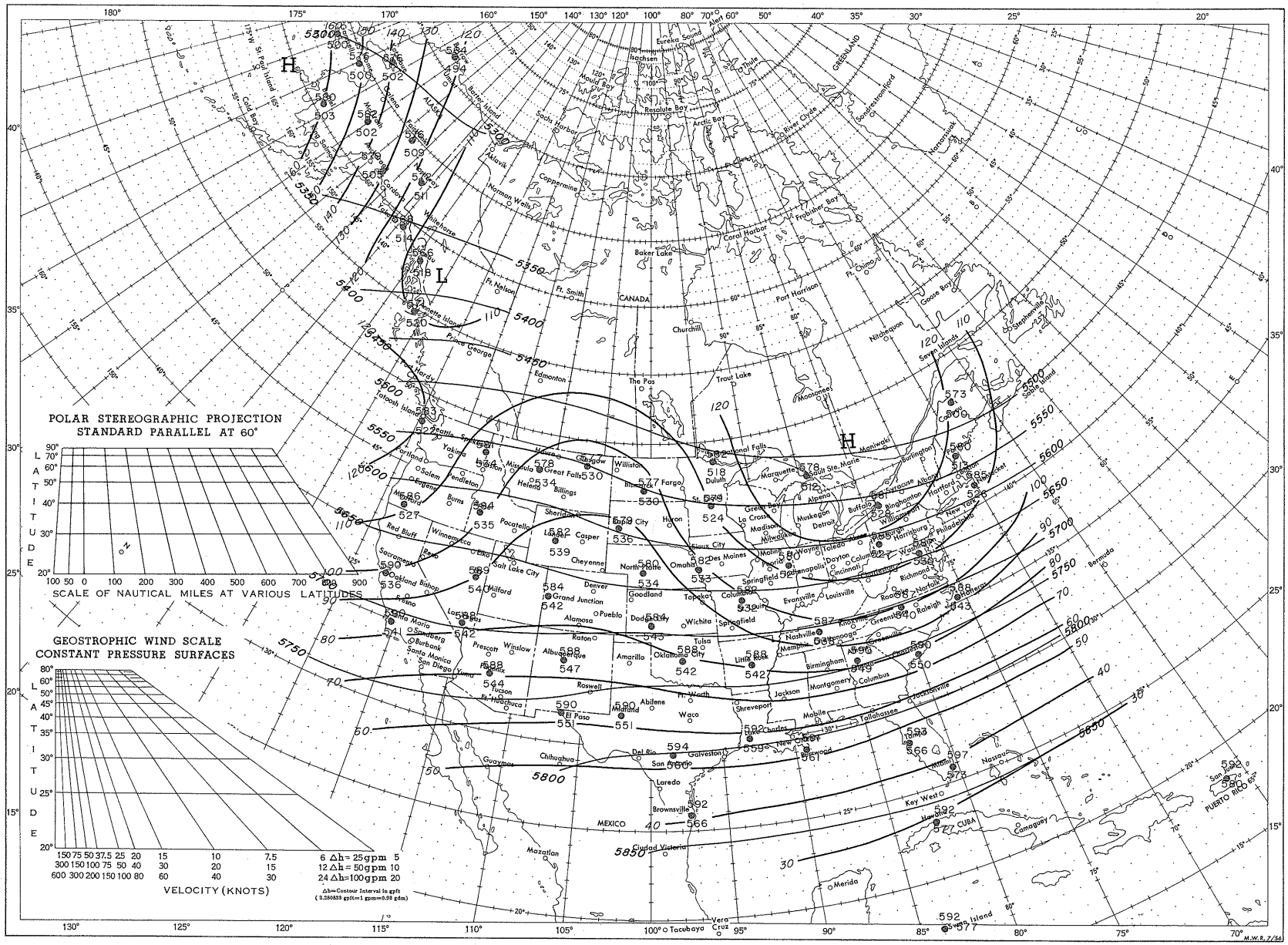

Chart 19 - April average 500-mb. height, with standard deviation, and extremes (gpm.).

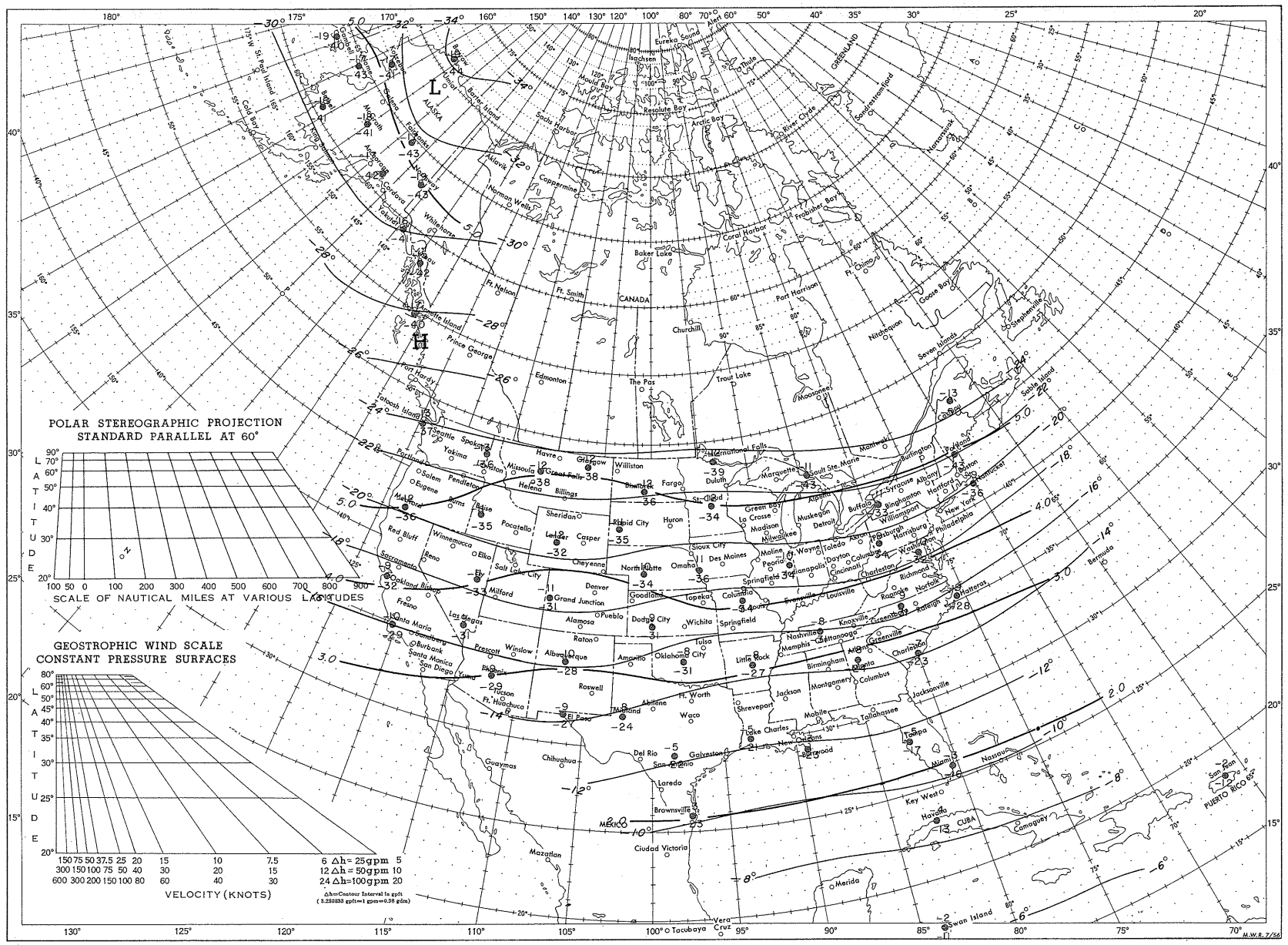

Chart 20 - April average 500-mb. temperature, with standard deviation, and extremes (°C.).

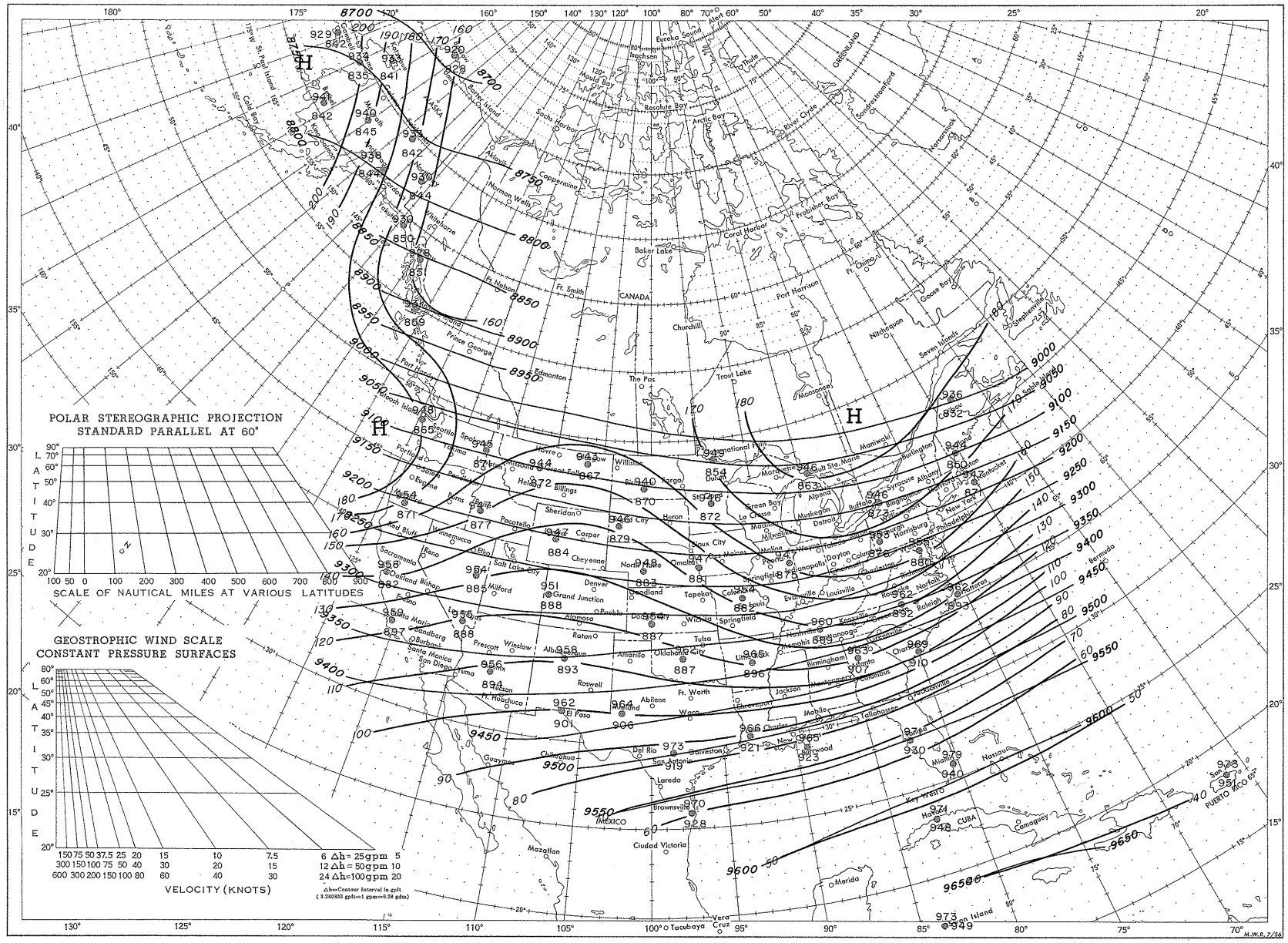

Chart 21 - April average 300-mb. height, with standard deviation, and extremes (gpm.).

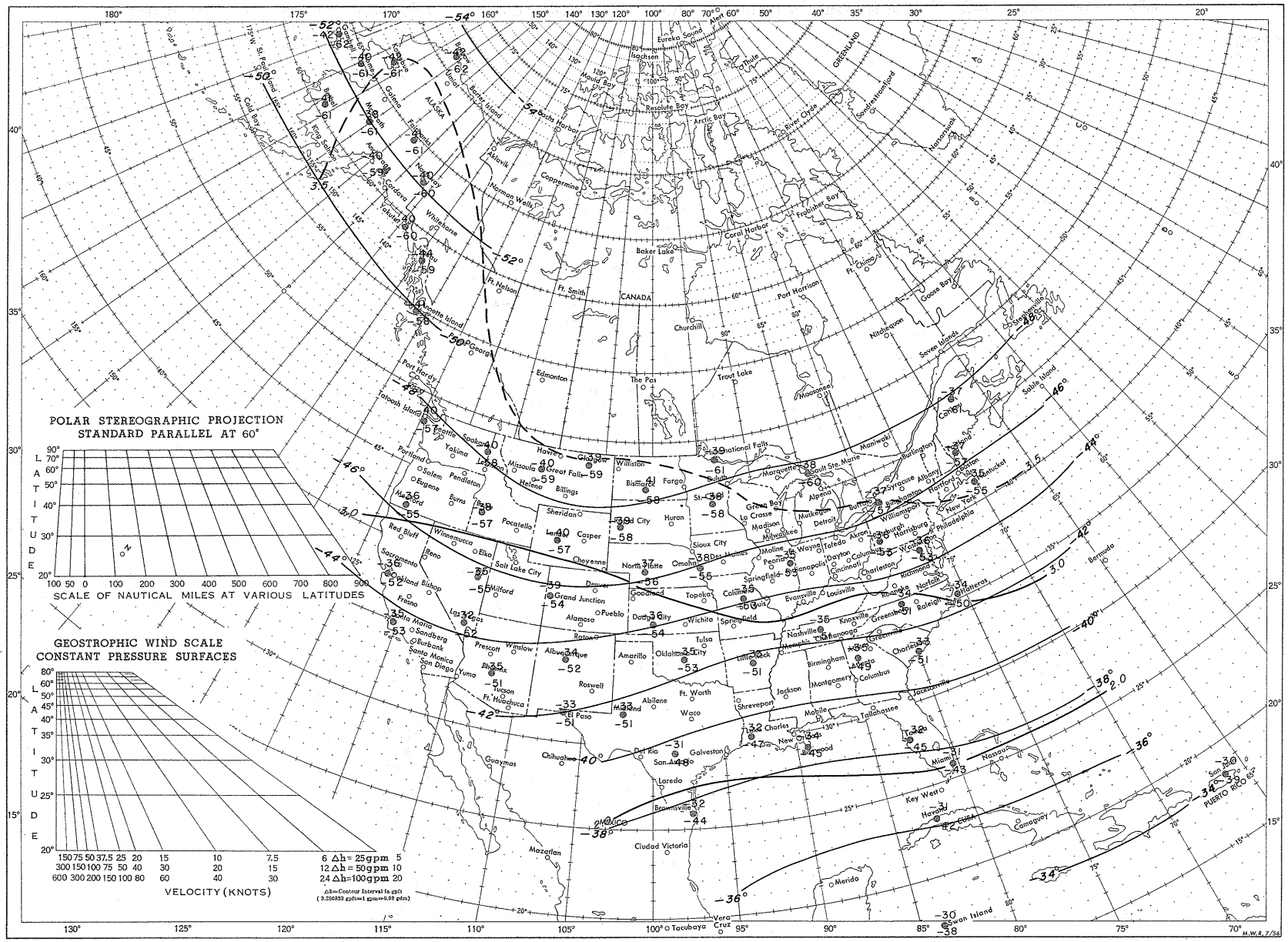

Chart 22 - April average 300-mb. temperature, with standard deviation, and extremes (°C.).

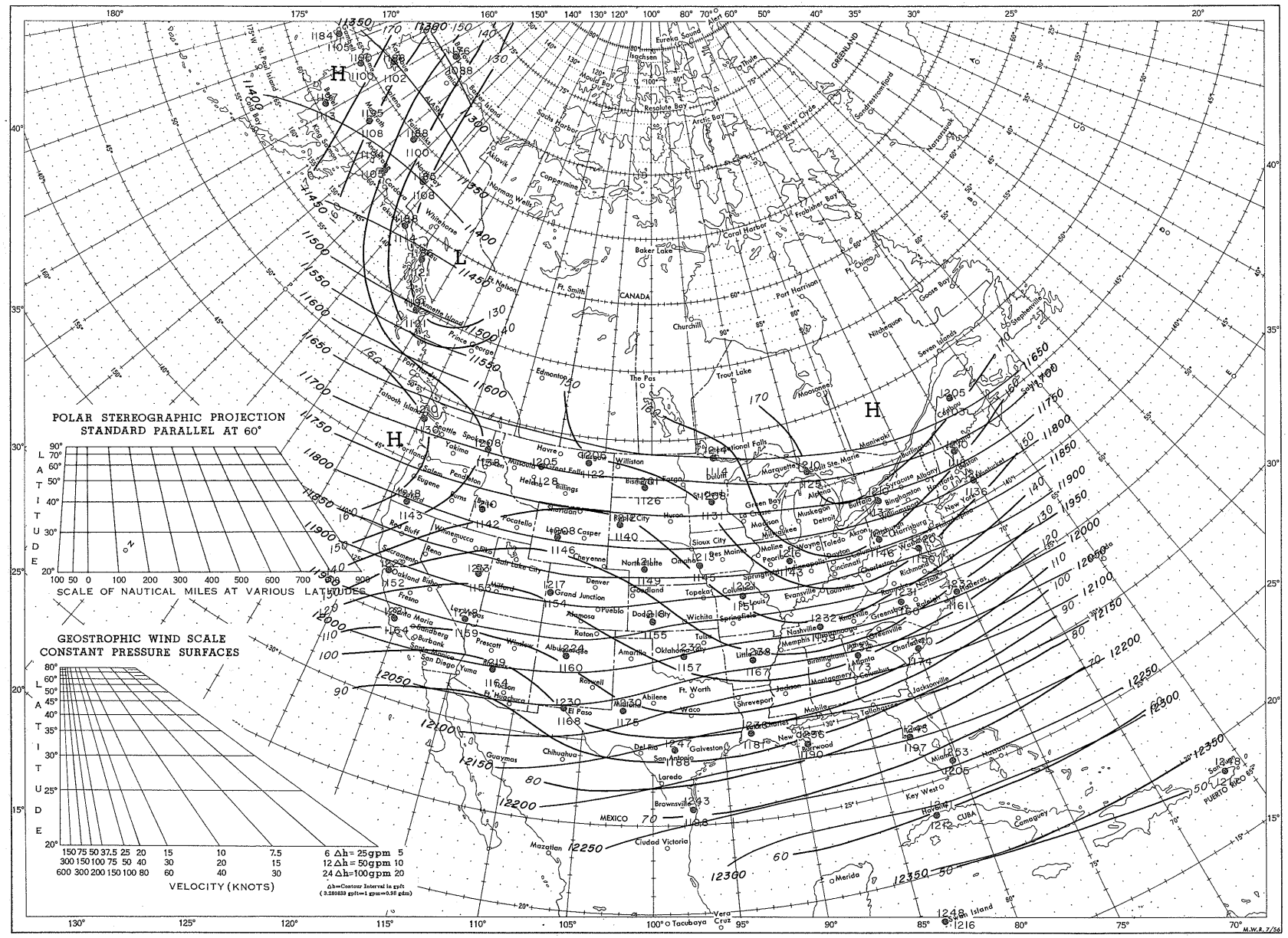

Chart 23 - April average 200-mb. height, with standard deviation, and extremes (gpm.).

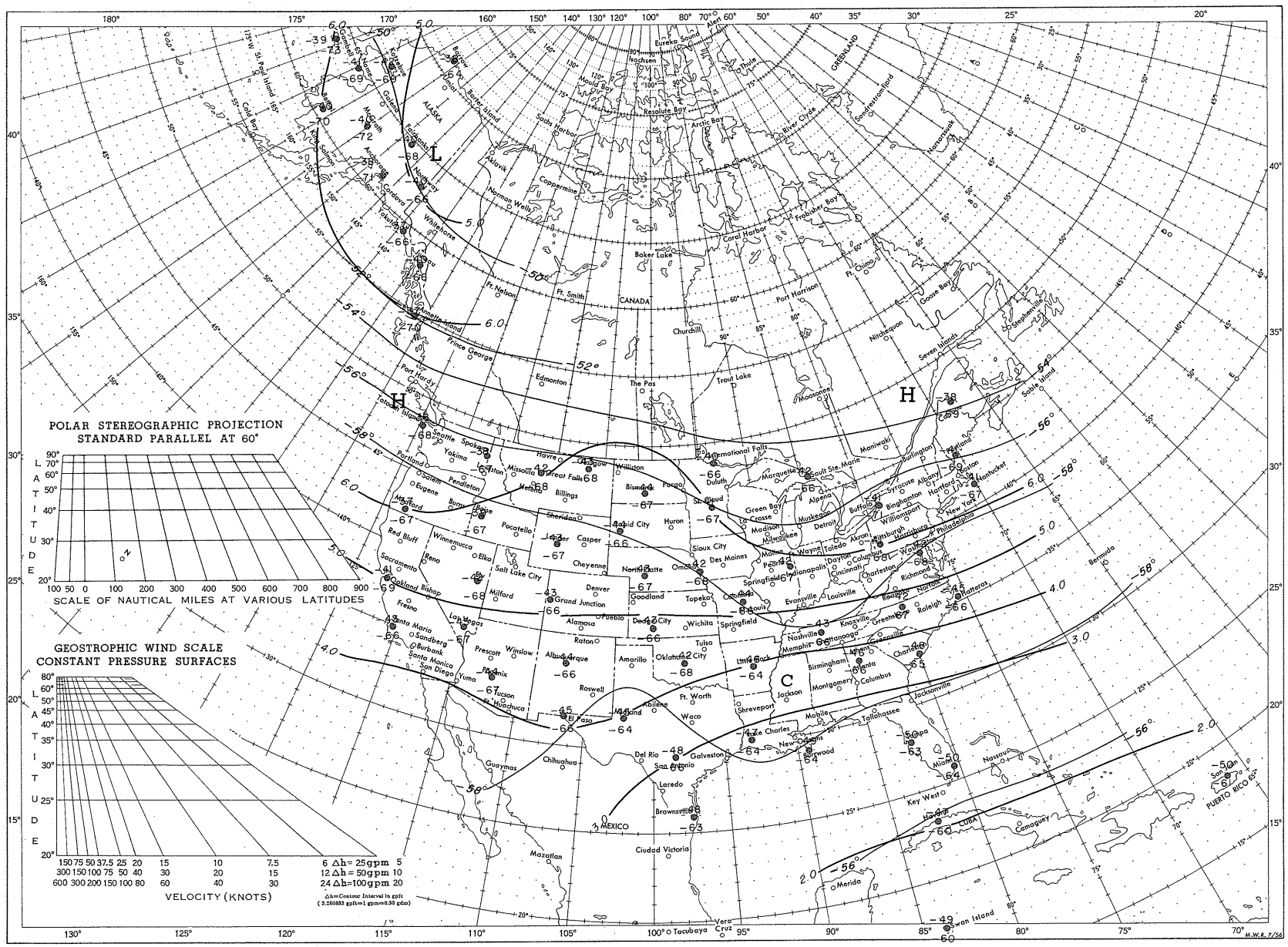

Chart 24 - April average 200-mb. temperature, with standard deviation, and extremes (°C.).

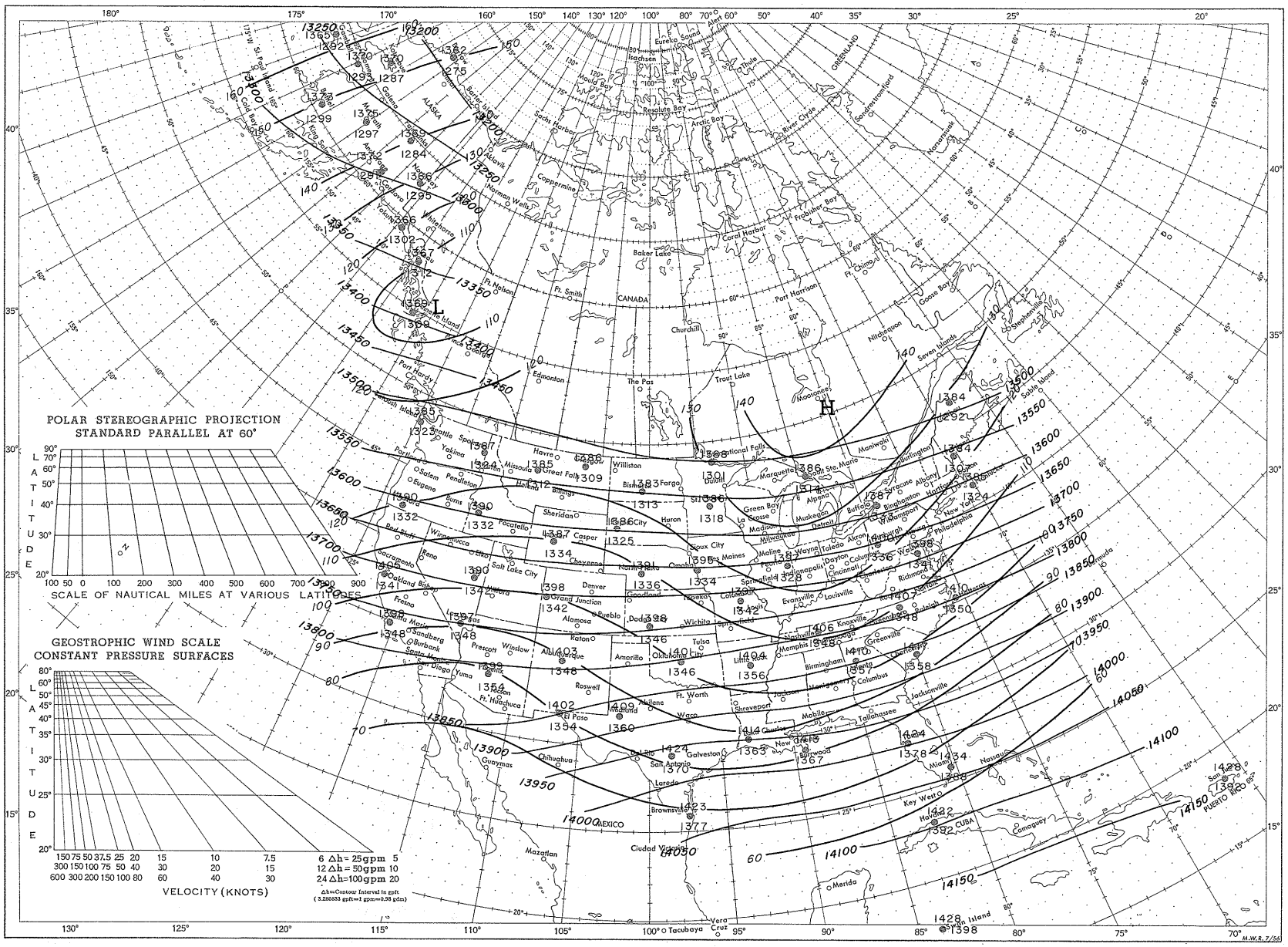

Chart 25 - April average 150-mb. height, with standard deviation, and extremes (gpm.).

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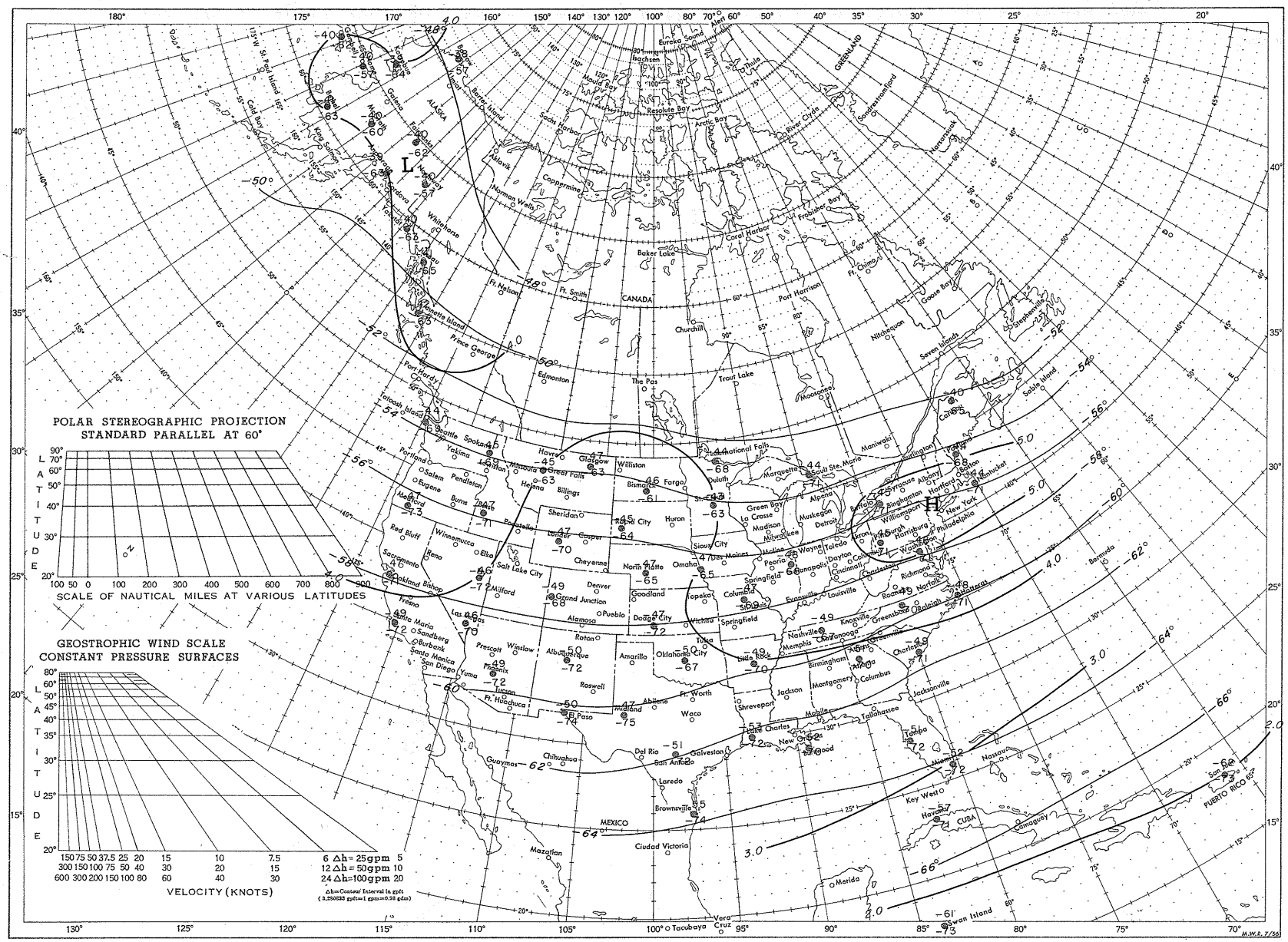

Chart 26 - April average 150-mb. temperature, with standard deviation, and extremes (°C.).

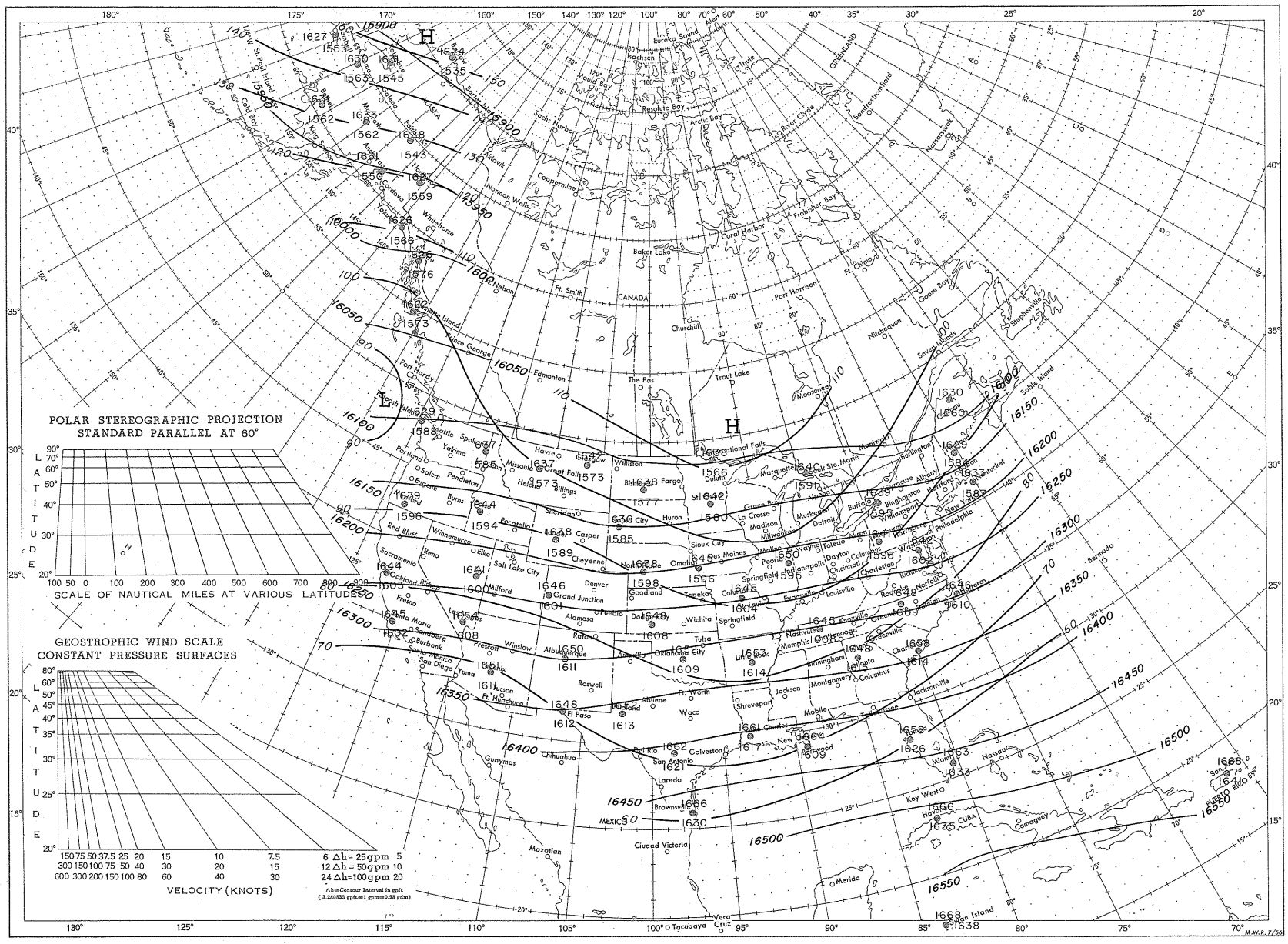

Chart 27 - April average 100-mb. height, with standard deviation, and extremes (gpm.).

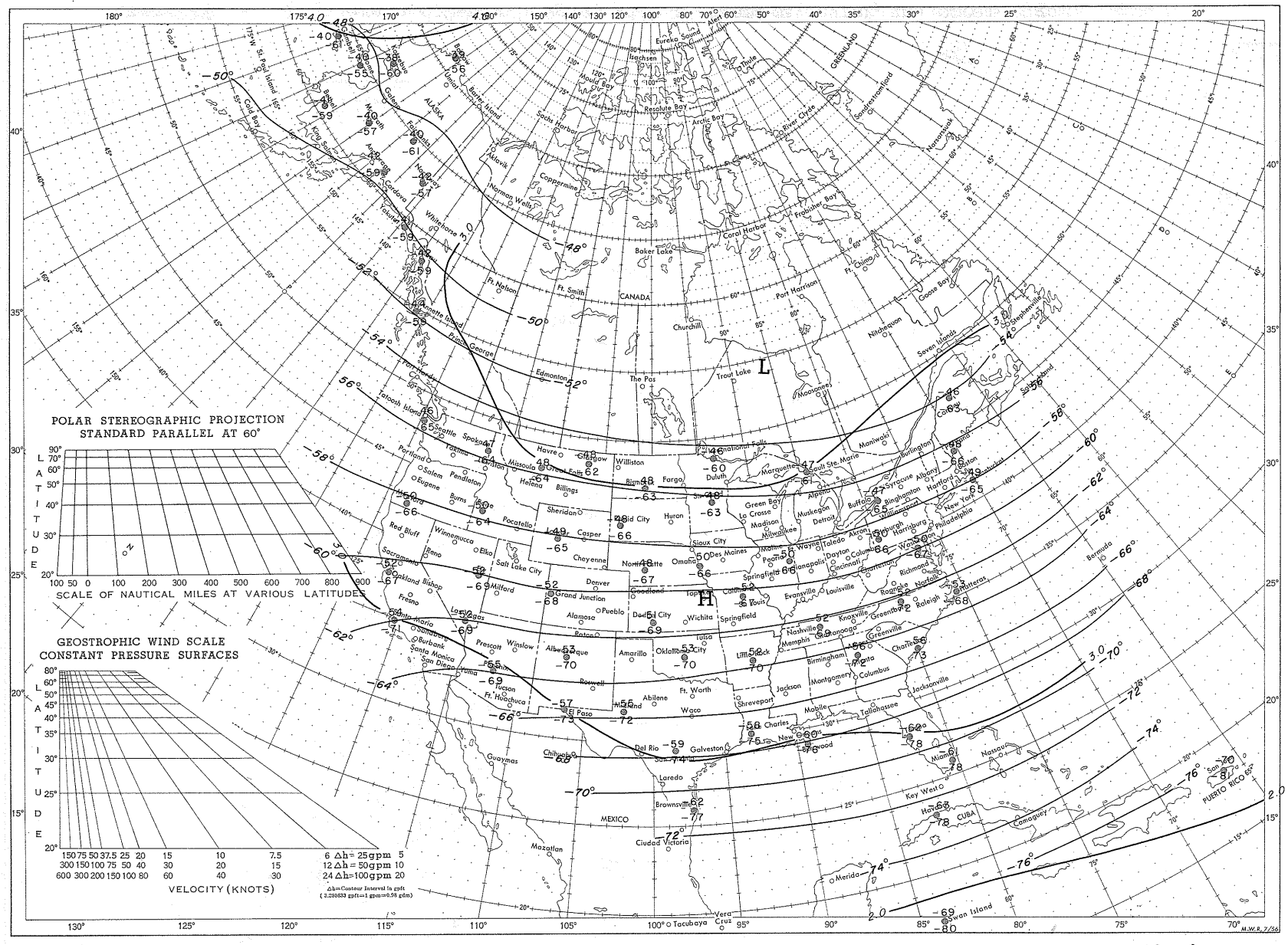

Chart 28 - April average 100-mb. temperature, with standard deviation, and extremes (°C.).

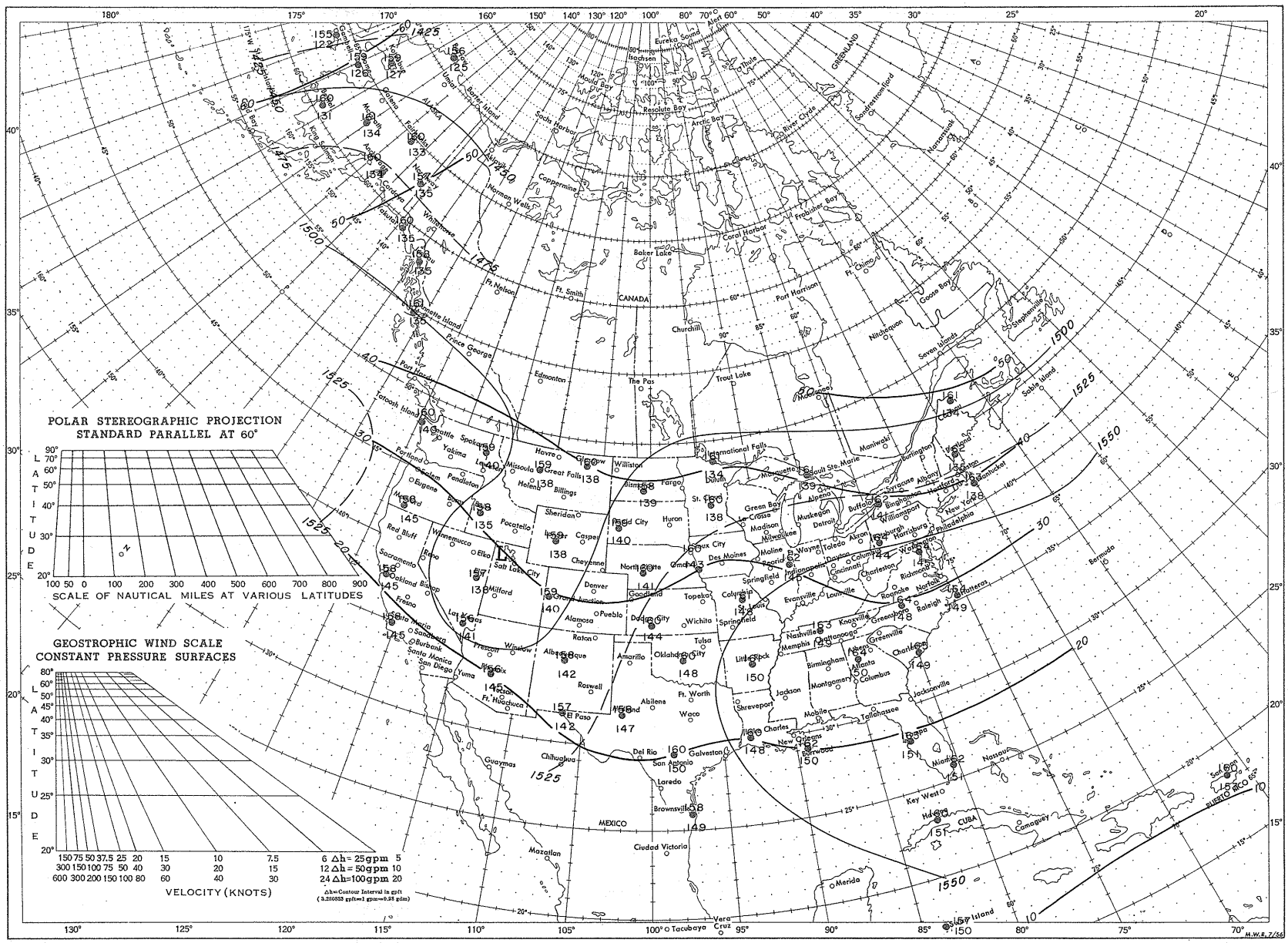

Chart 29 - July average 850-mb. height, with standard deviation, and extremes (gpm.).

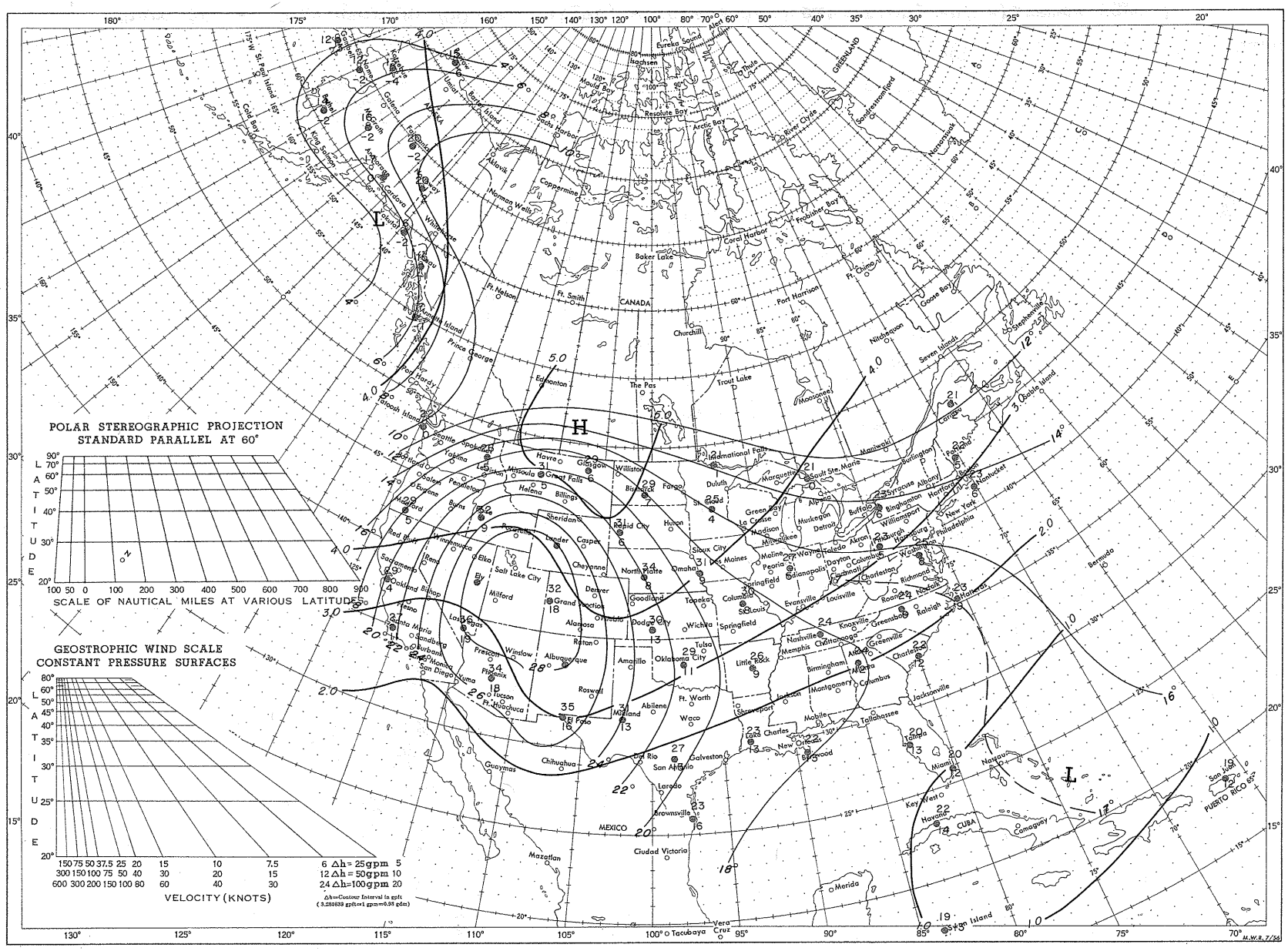

Chart 30 - July average 850-mb. temperature, with standard deviation, and extremes (°C.).

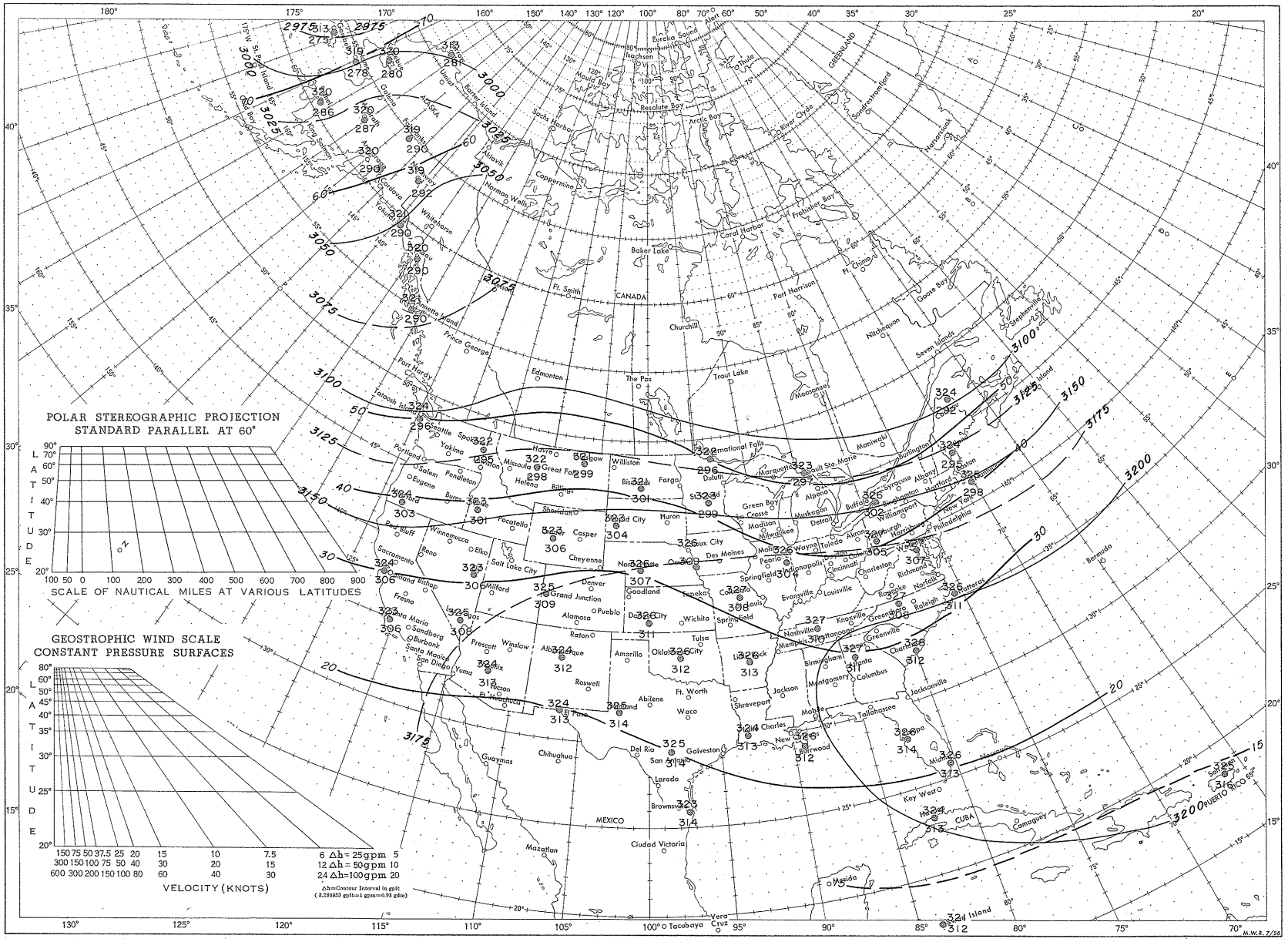

Chart 31 - July average 700-mb. height, with standard deviation, and extremes (gpm.).

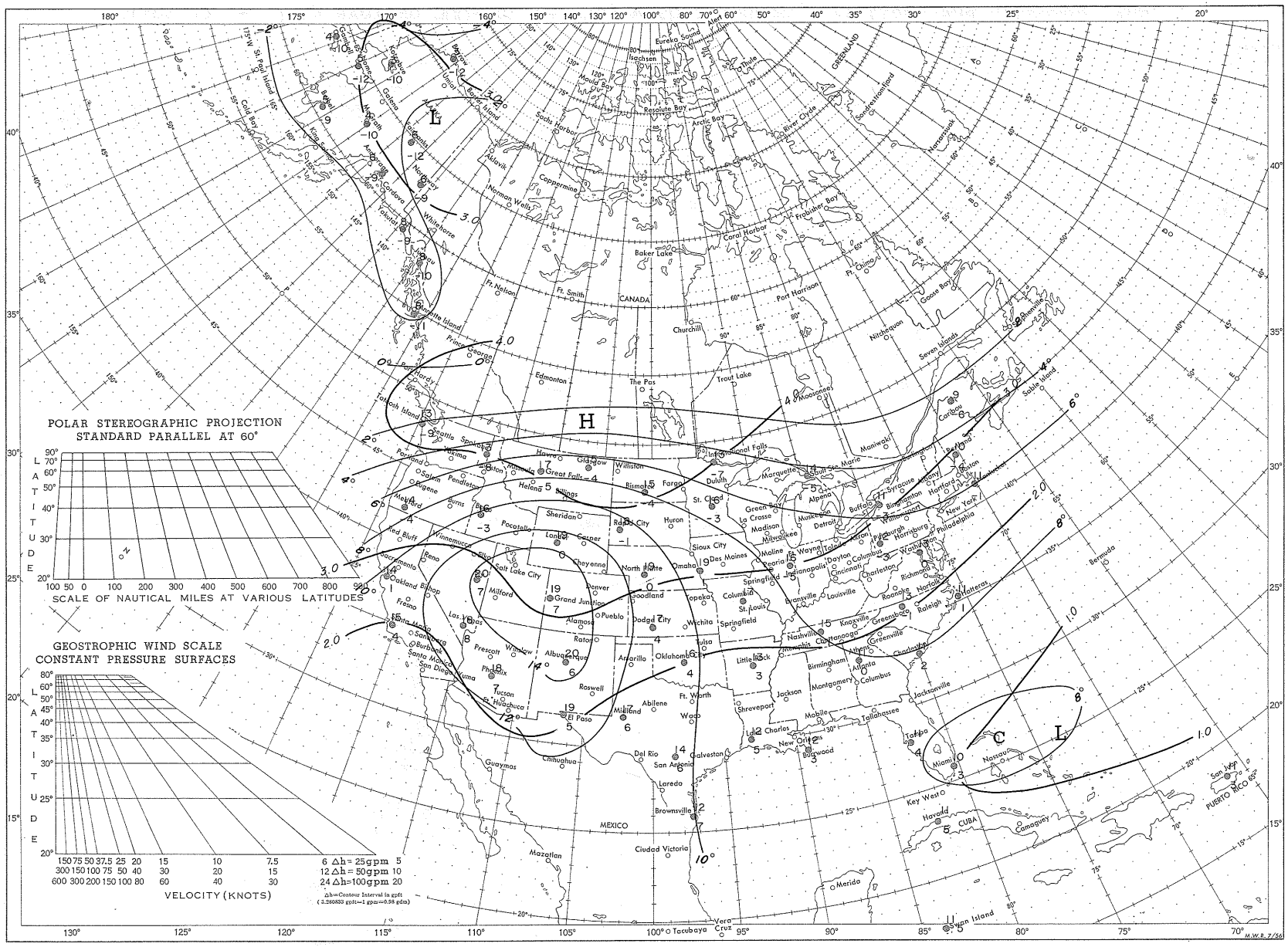

Chart 32 - July average 700-mb. temperature, with standard deviation, and extremes (°C.).

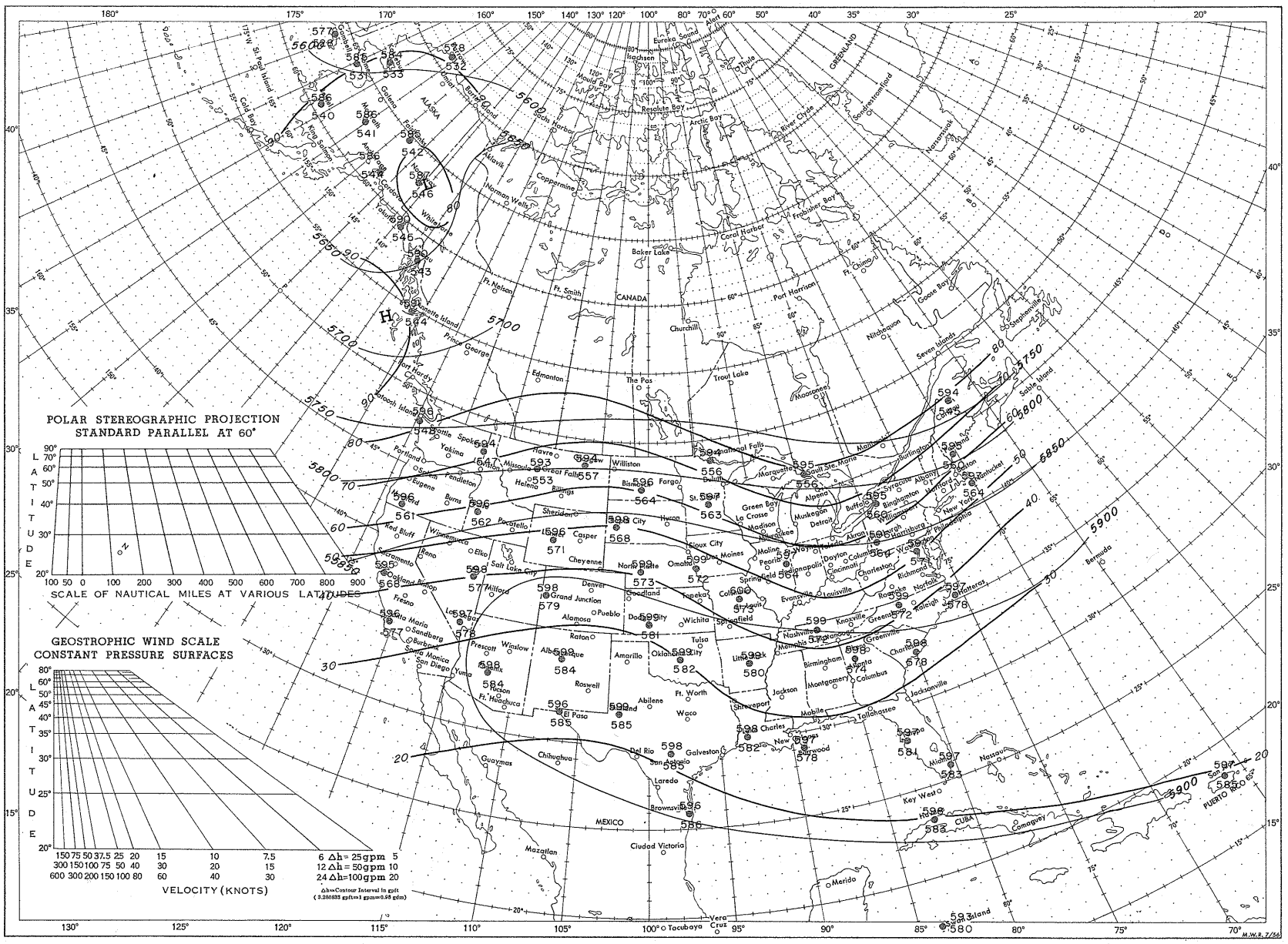

Chart 33 - July average 500-mb. height, with standard deviation, and extremes (gpm.).

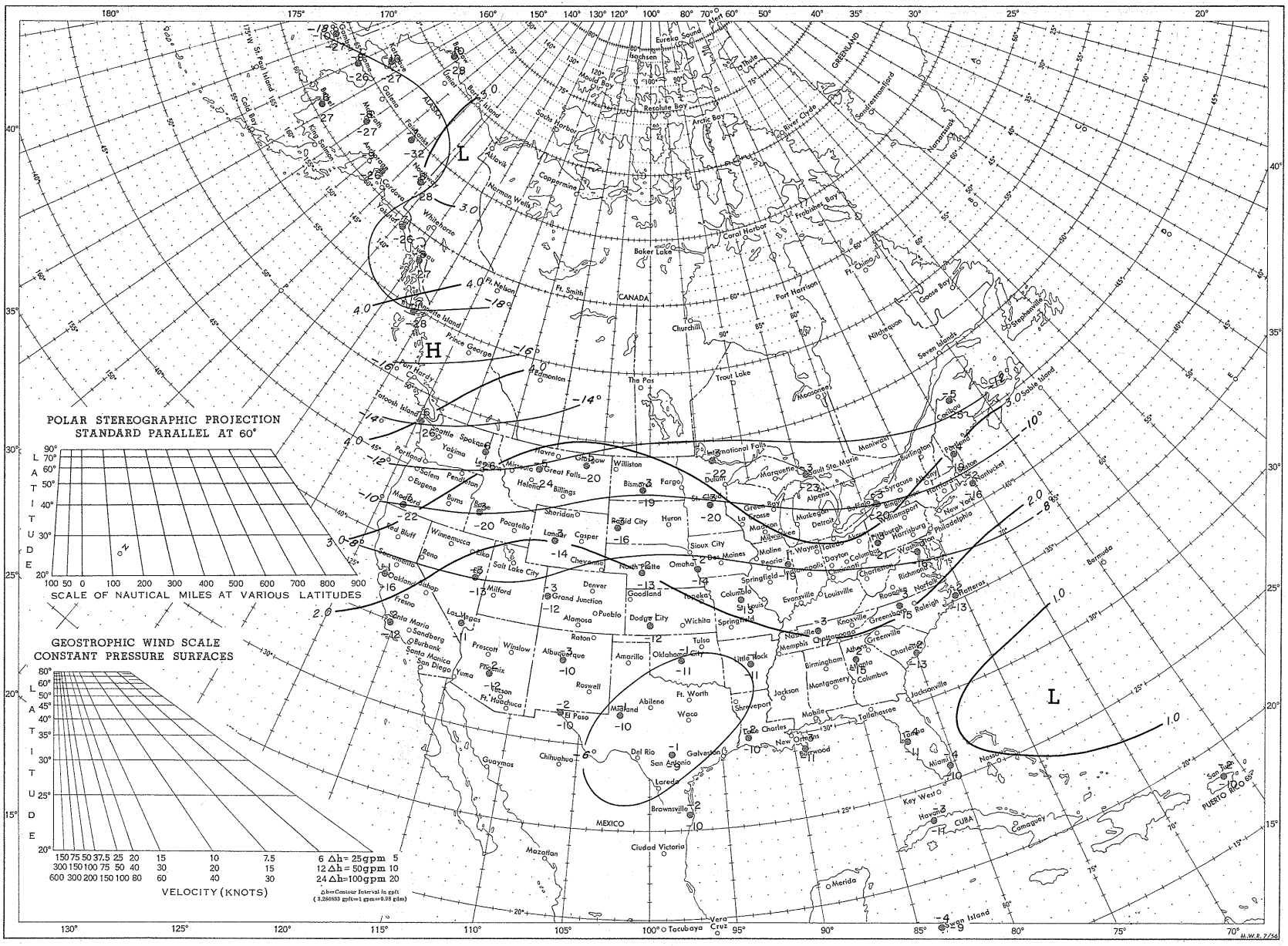

Chart 34 - July average 500-mb. temperature, with standard deviation, and extremes (°C.).

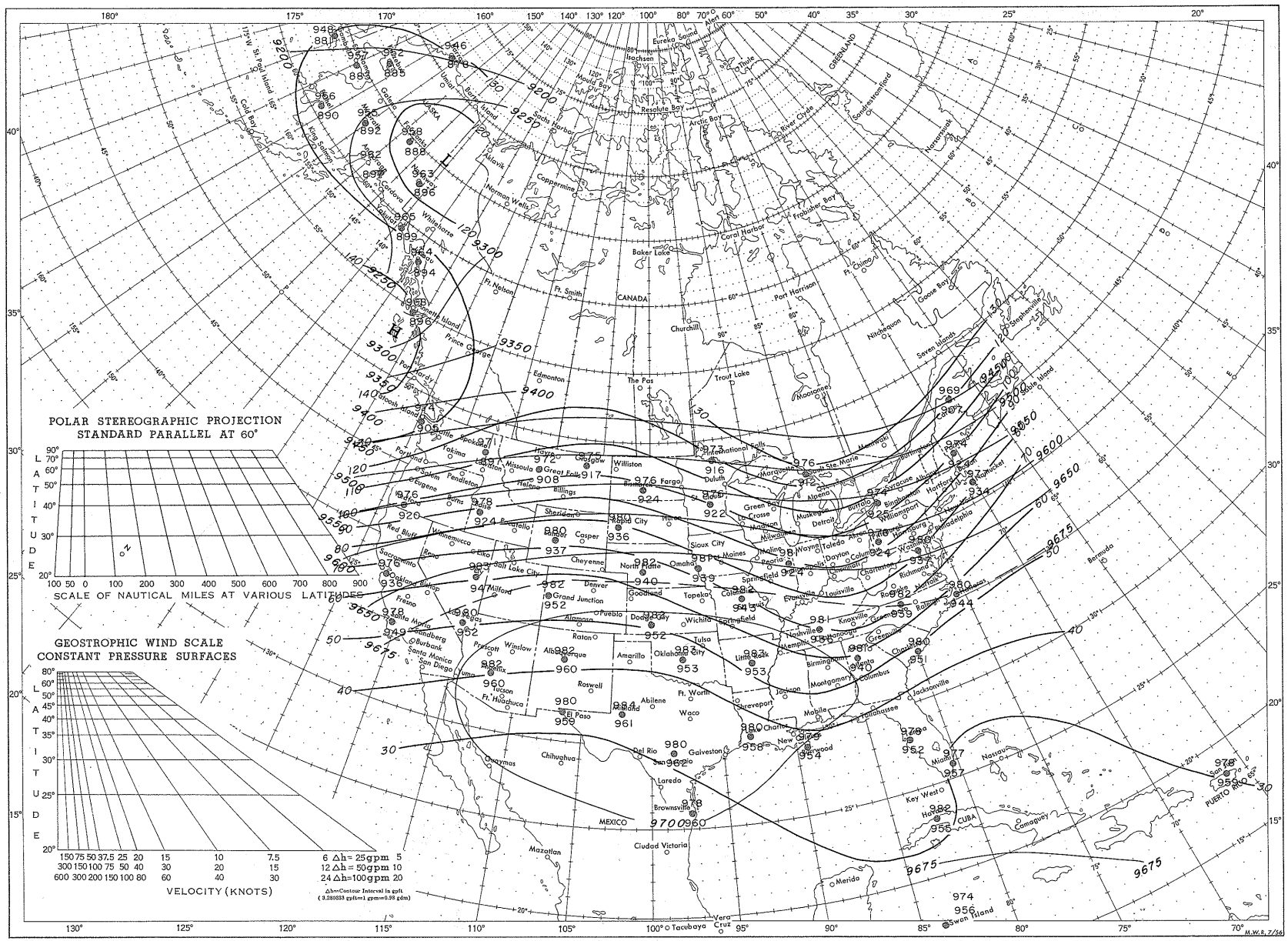

Chart 35 - July average 300-mb. height, with standard deviation, and extremes (gpm.).

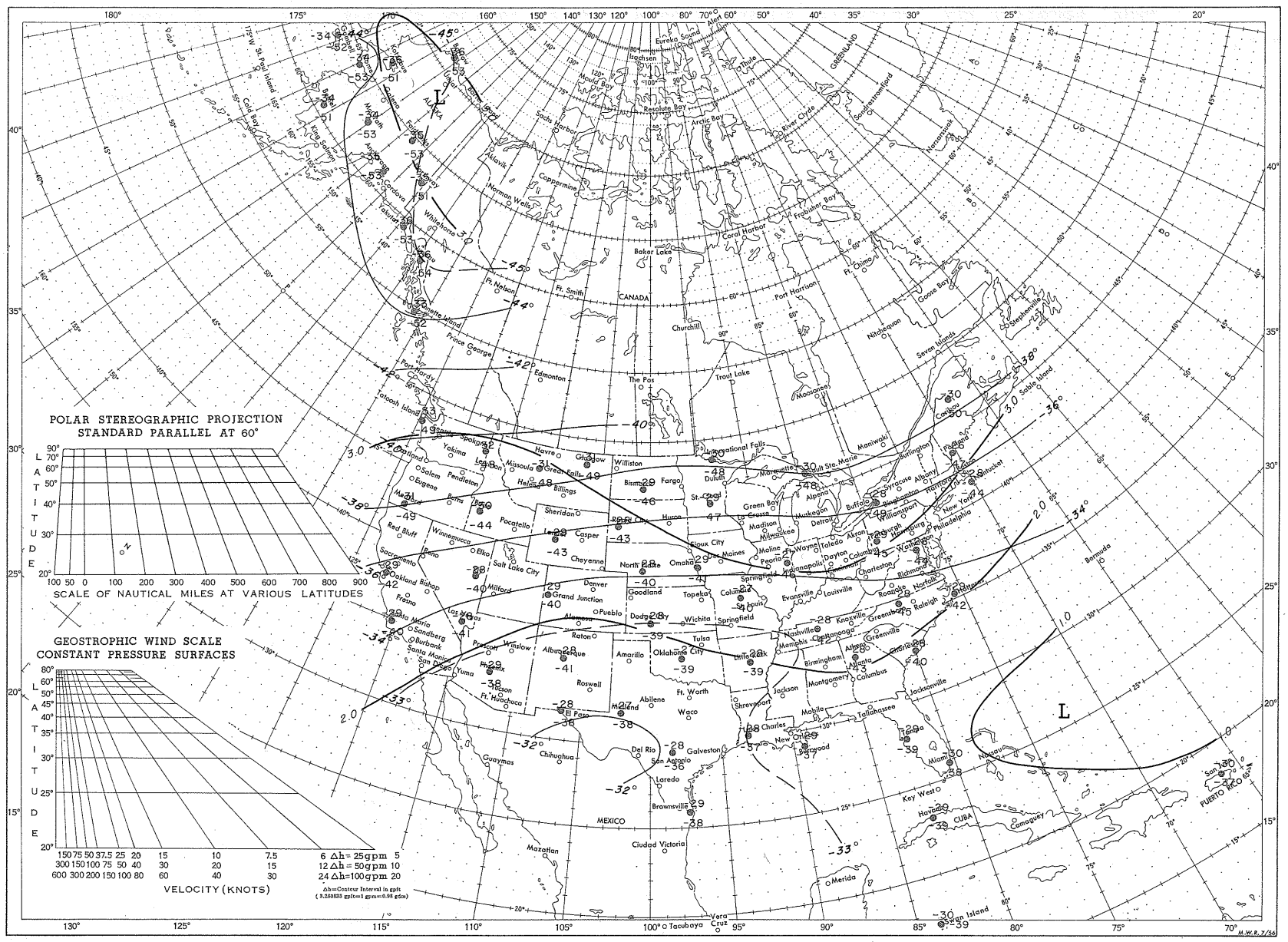

Chart 36 - July average 300-mb. temperature, with standard deviation, and extremes (°C.).

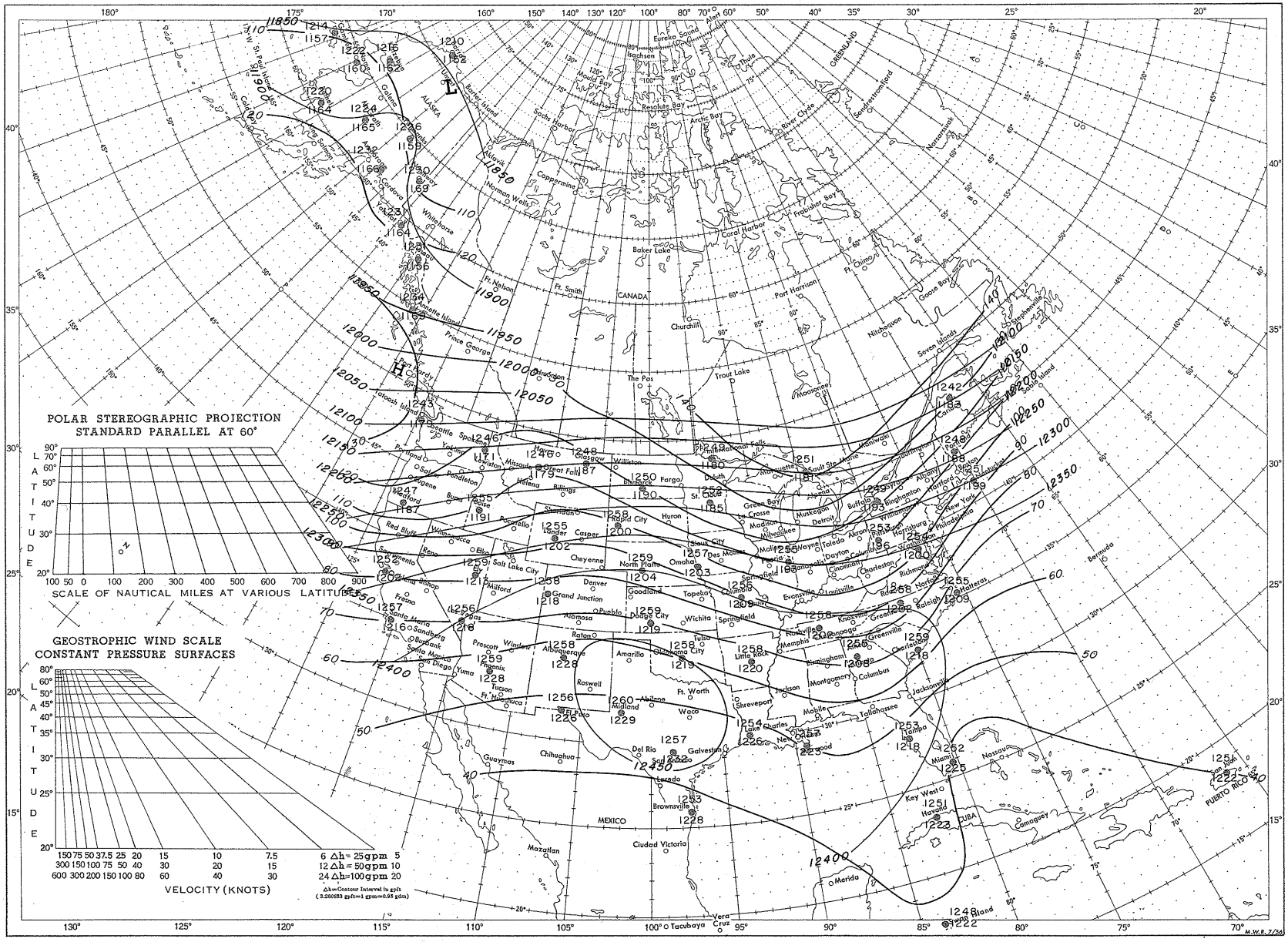

Chart 37 - July average 200-mb. height, with standard deviation, and extremes (gpm.).

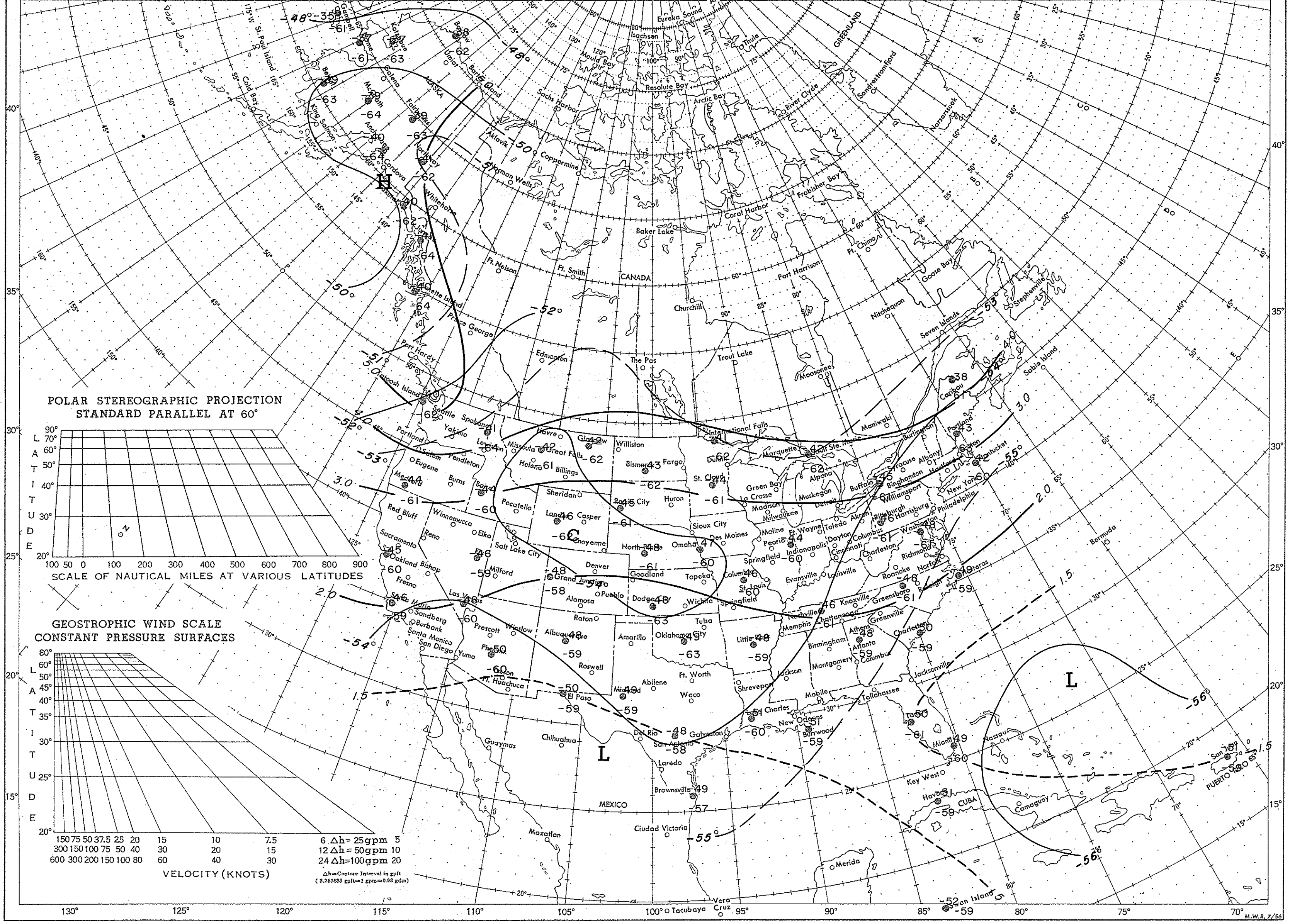

Chart 38 - July average 200-mb. temperature, with standard deviation, and extremes (°C.).

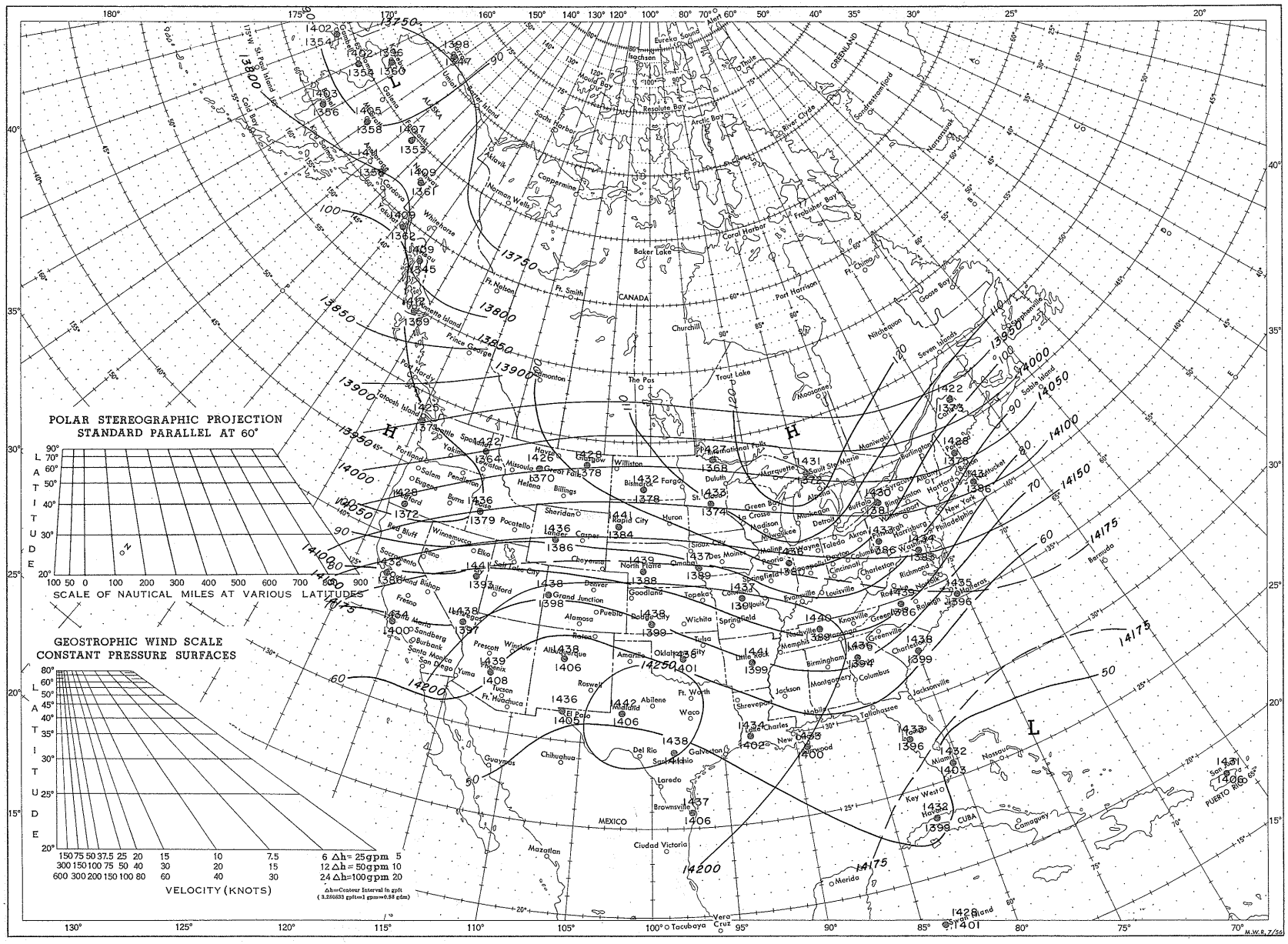

Chart 39 - July average 150-mb. height, with standard deviation, and extremes (gpm.).

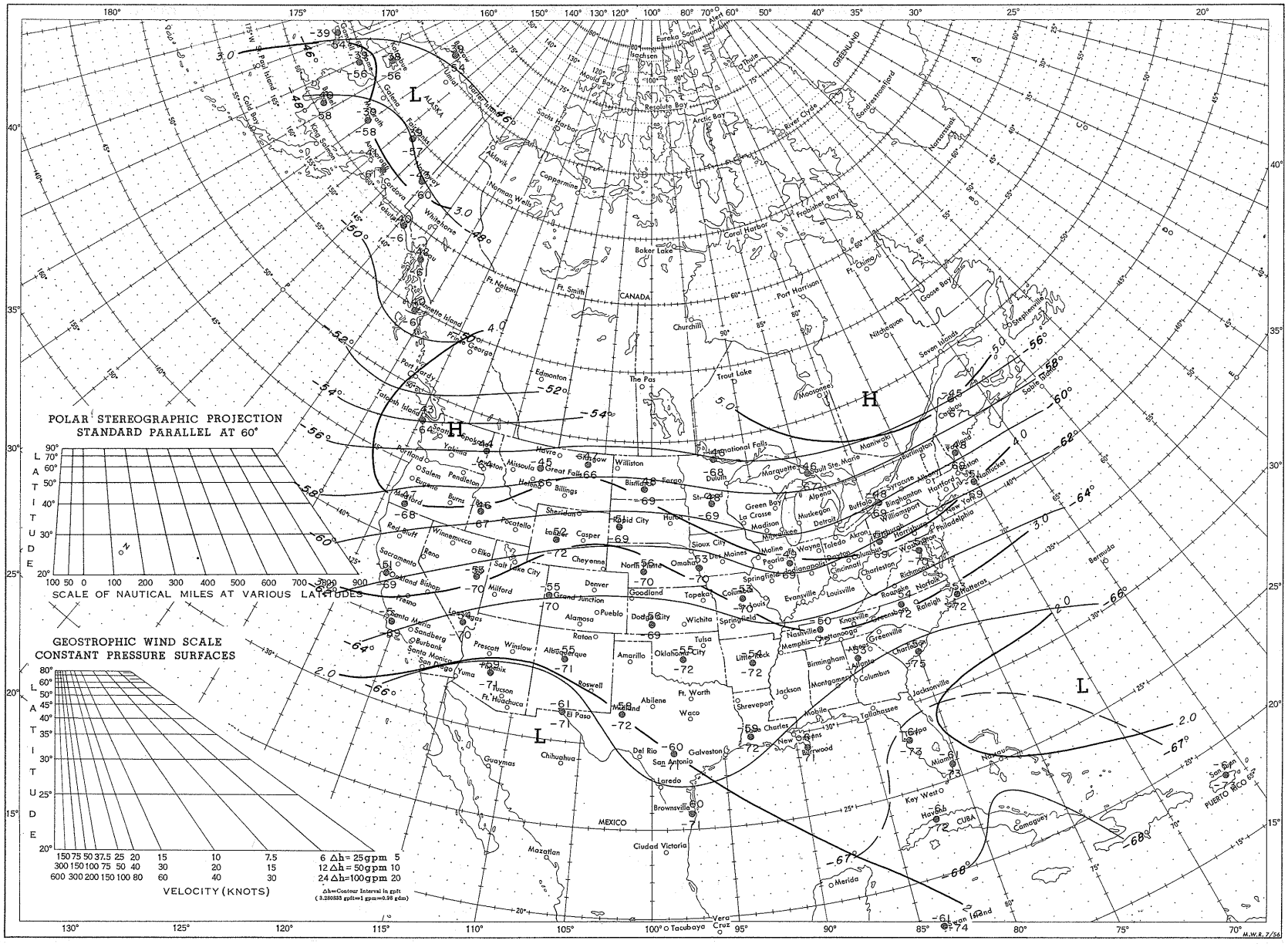

Chart 40 - July average 150-mb. temperature, with standard deviation, and extremes (°C.).

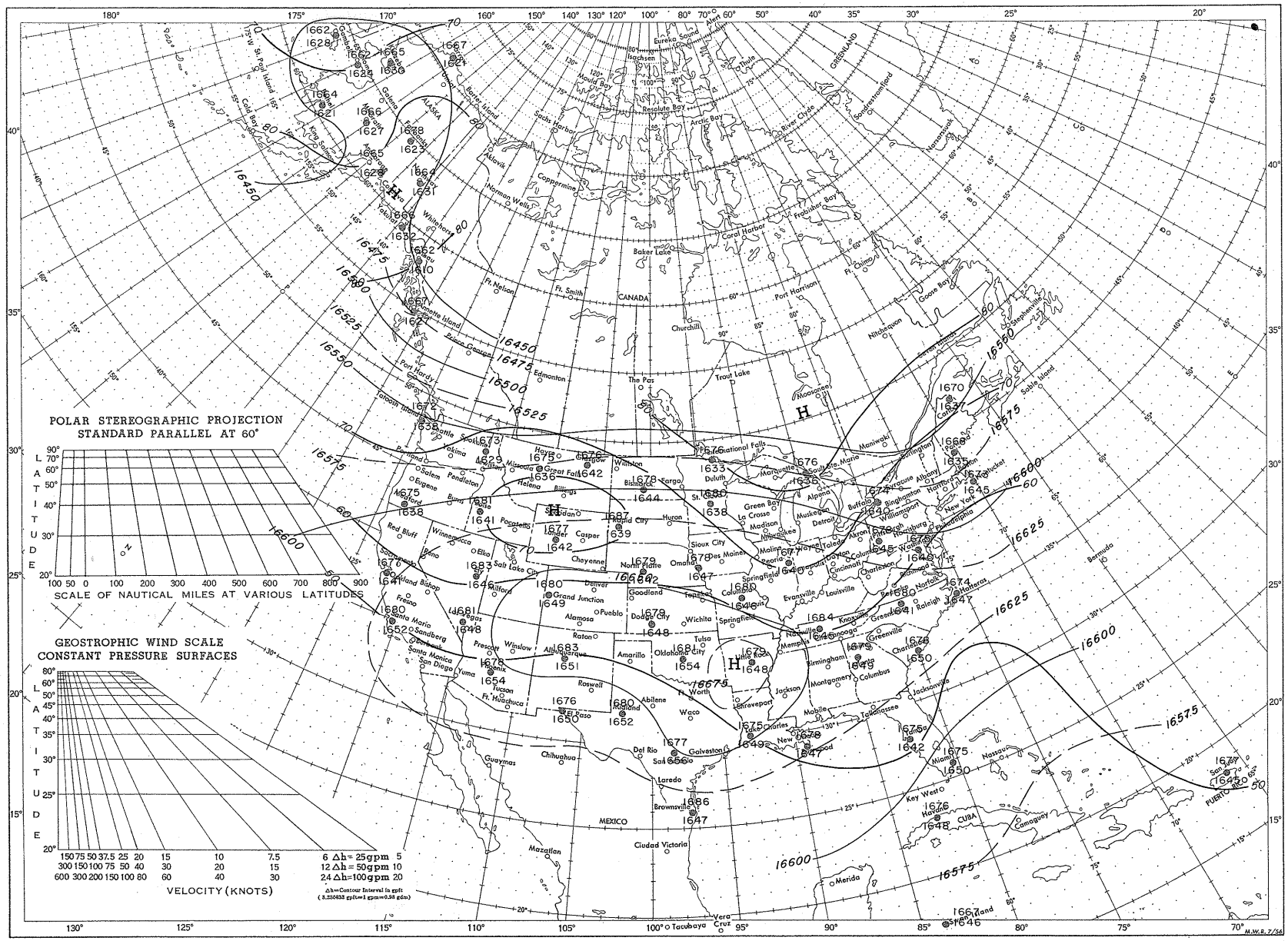

Chart 41 - July average 100-mb. height, with standard deviation, and extremes (gpm.).

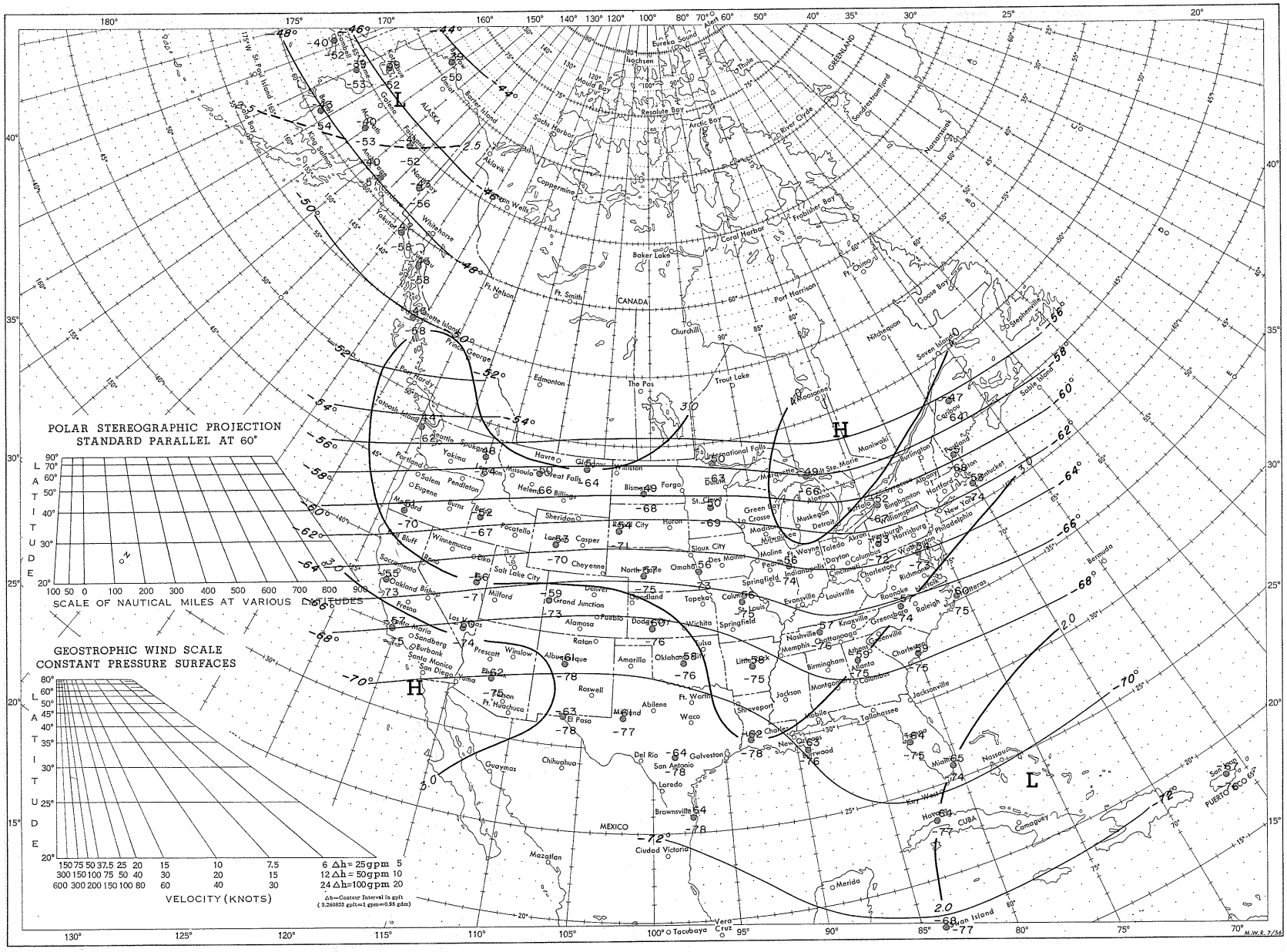

Chart 42 - July average 100-mb. temperature, with standard deviation, and extremes (°C.).

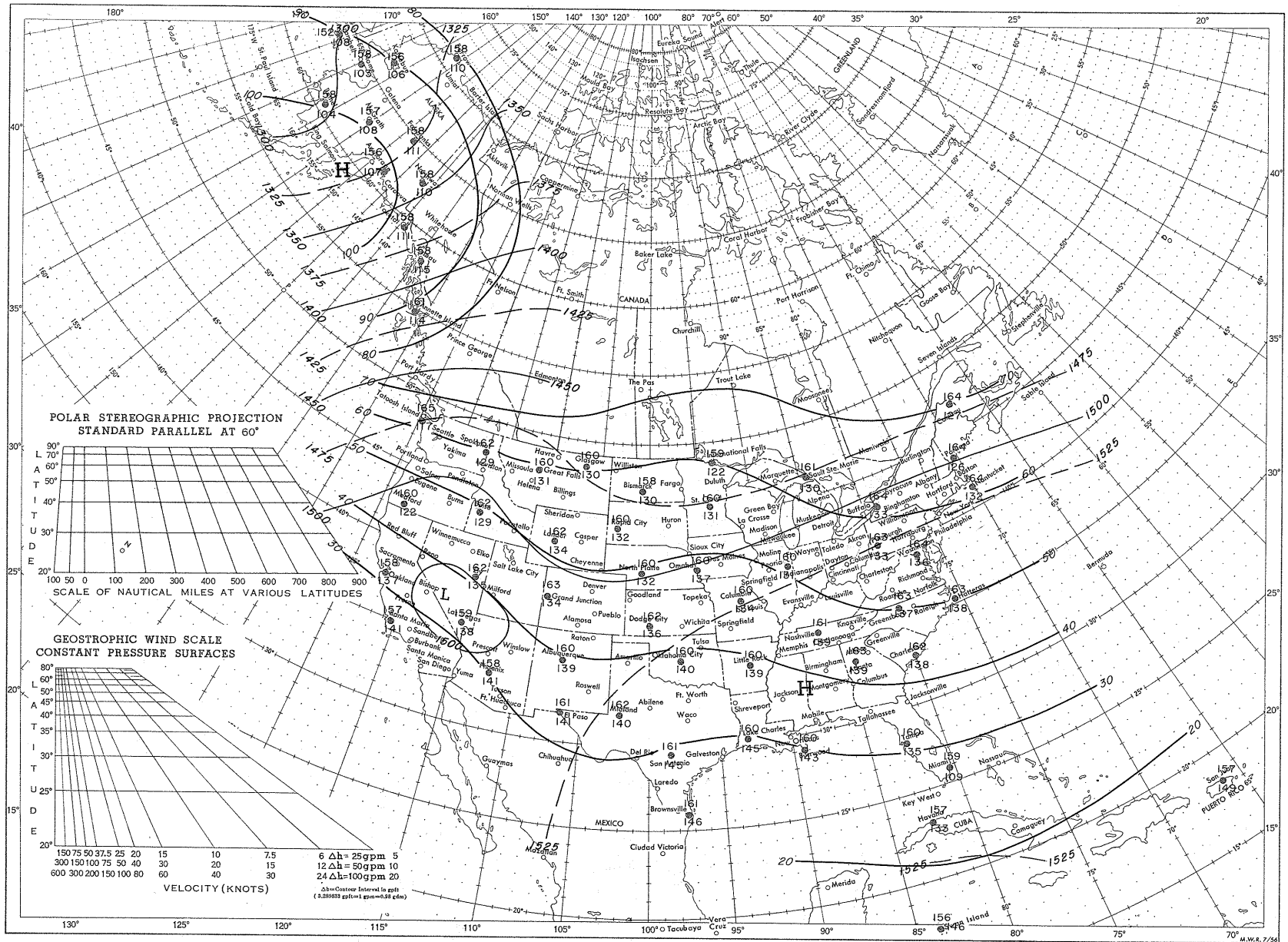

Chart 43 - October average 850-mb. height, with standard deviation, and extremes (gpm.).

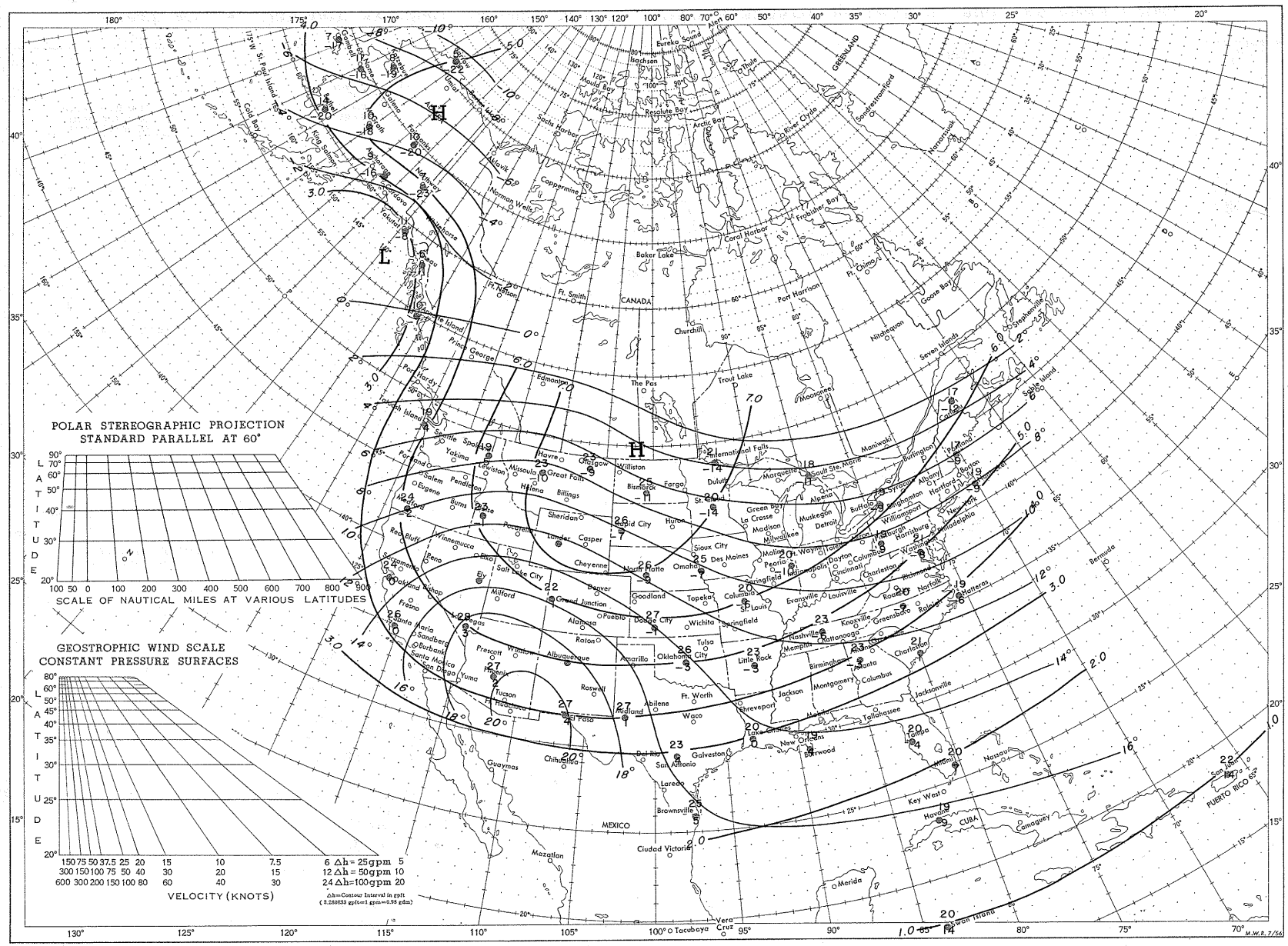

Chart 44 - October average 850-mb. temperature, with standard deviation, and extremes (°C.).

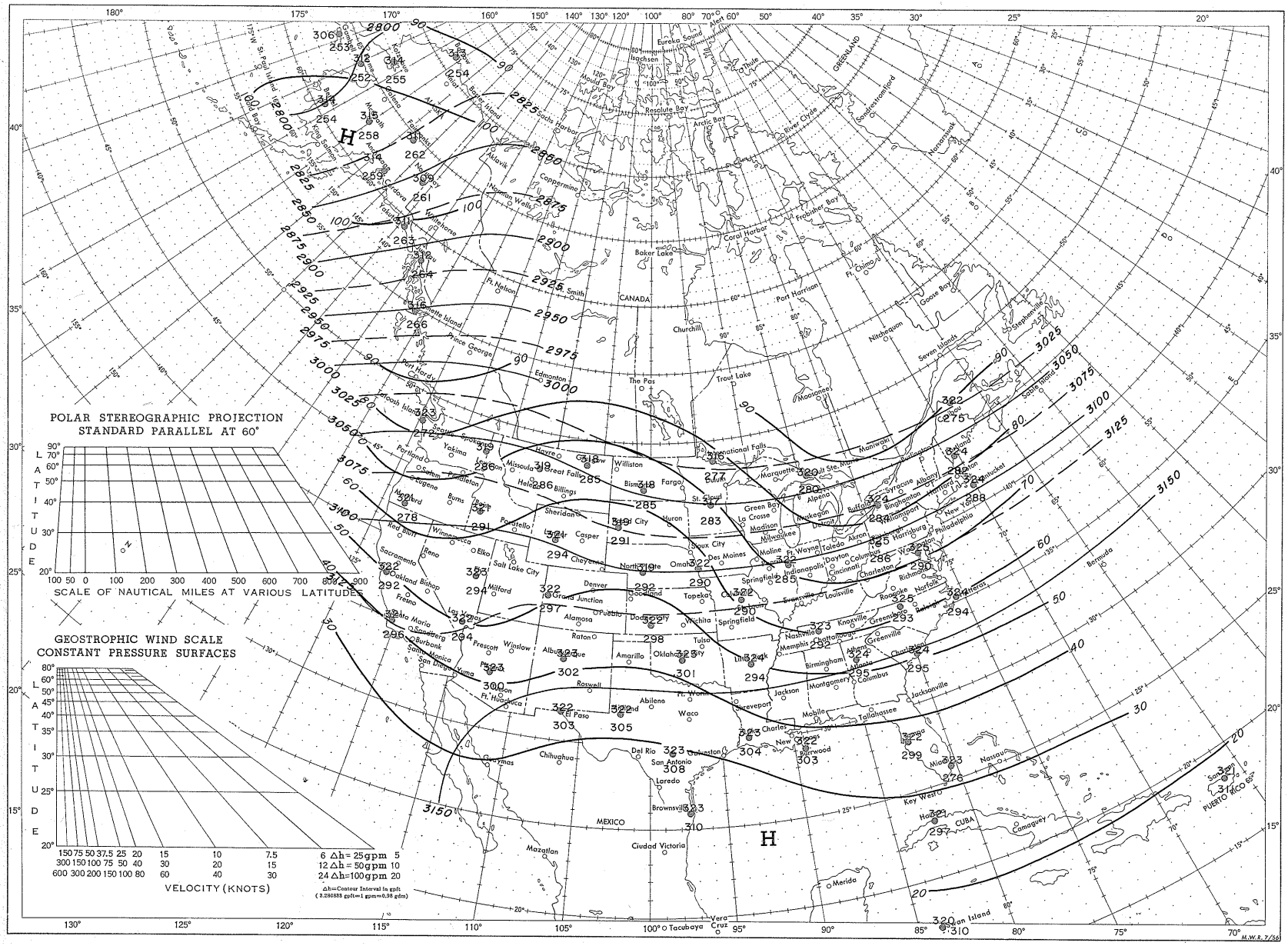

Chart 45 - October average 700-mb. height, with standard deviation, and extremes (gpm.).

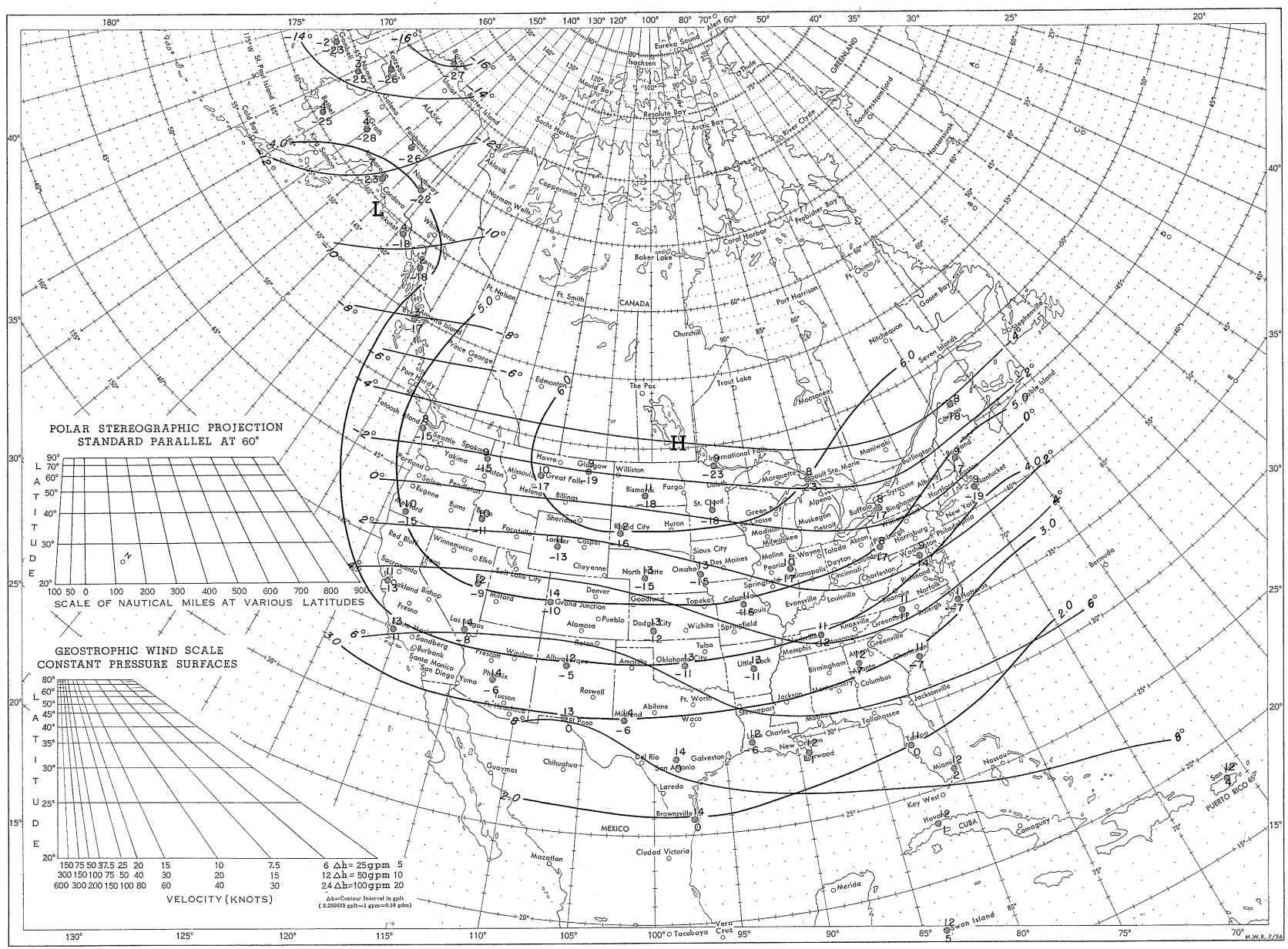

Chart 46 - October average 700-mb. temperature, with standard deviation, and extremes (°C.).

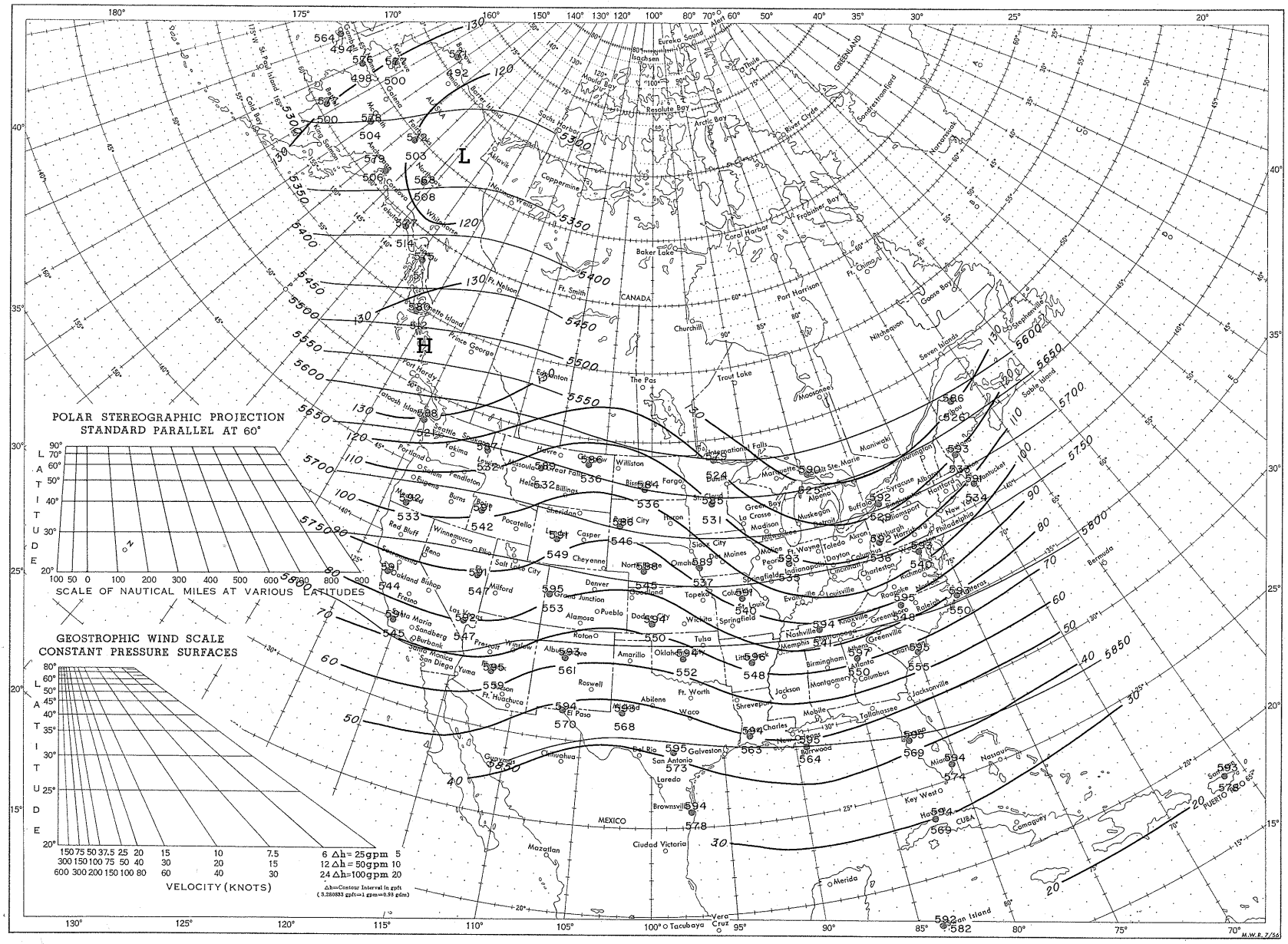

Chart 47 - October average 500-mb. height, with standard deviation, and extremes (gpm.).

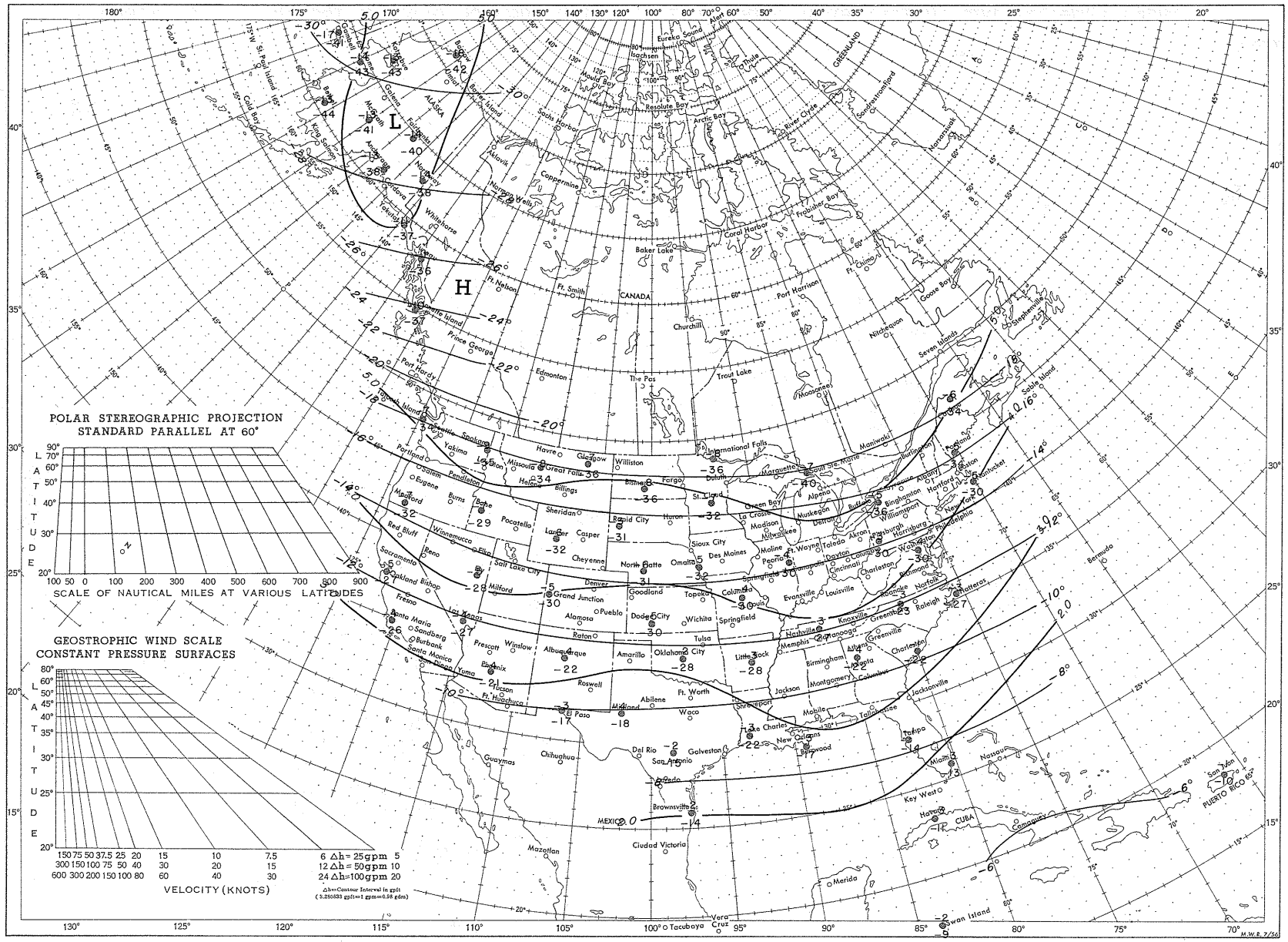

Chart 48 - October average 500-mb. temperature, with standard deviation, and extremes (°C.).

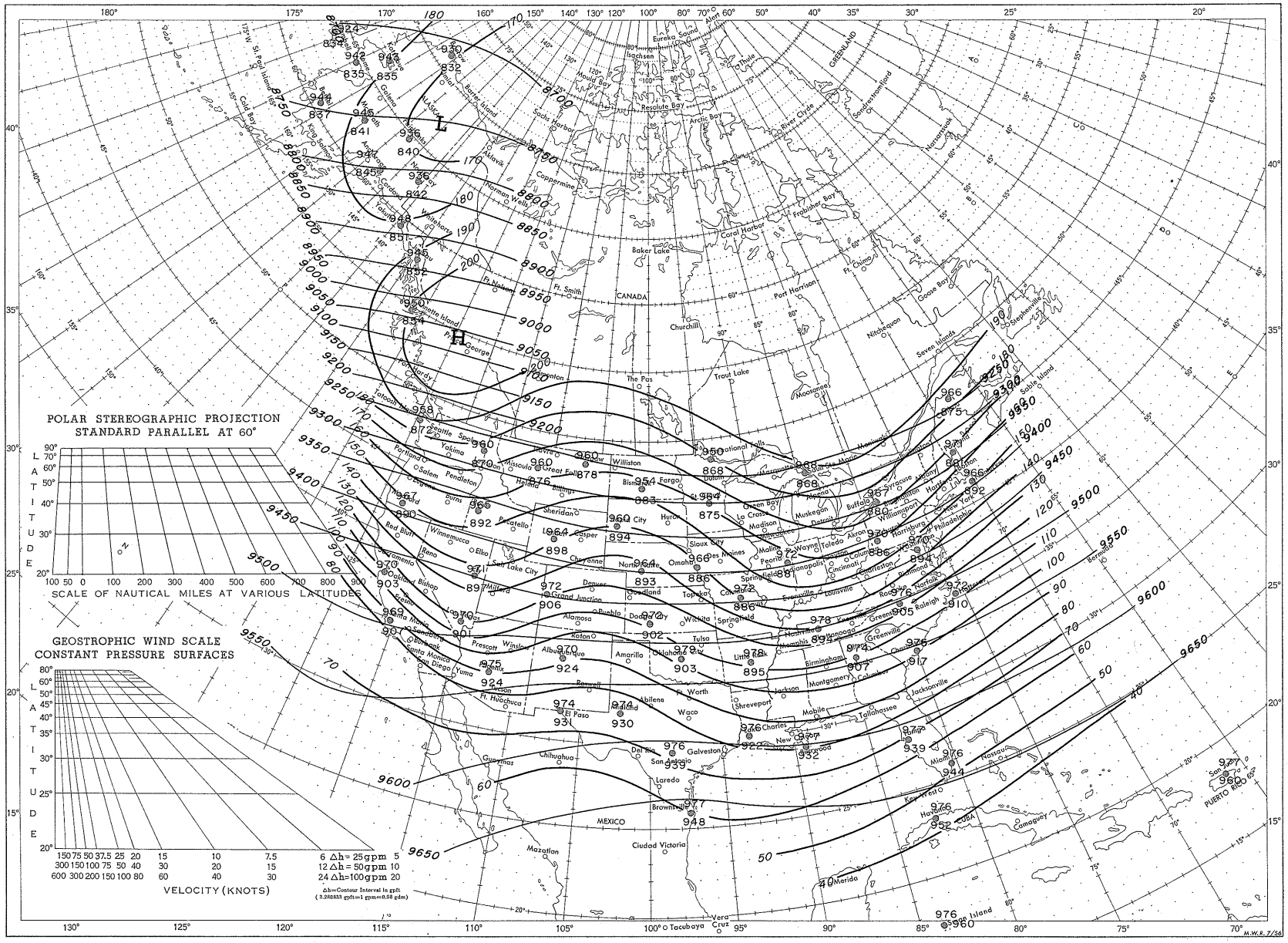

Chart 49 - October average 300-mb. height, with standard deviation, and extremes (gpm.).

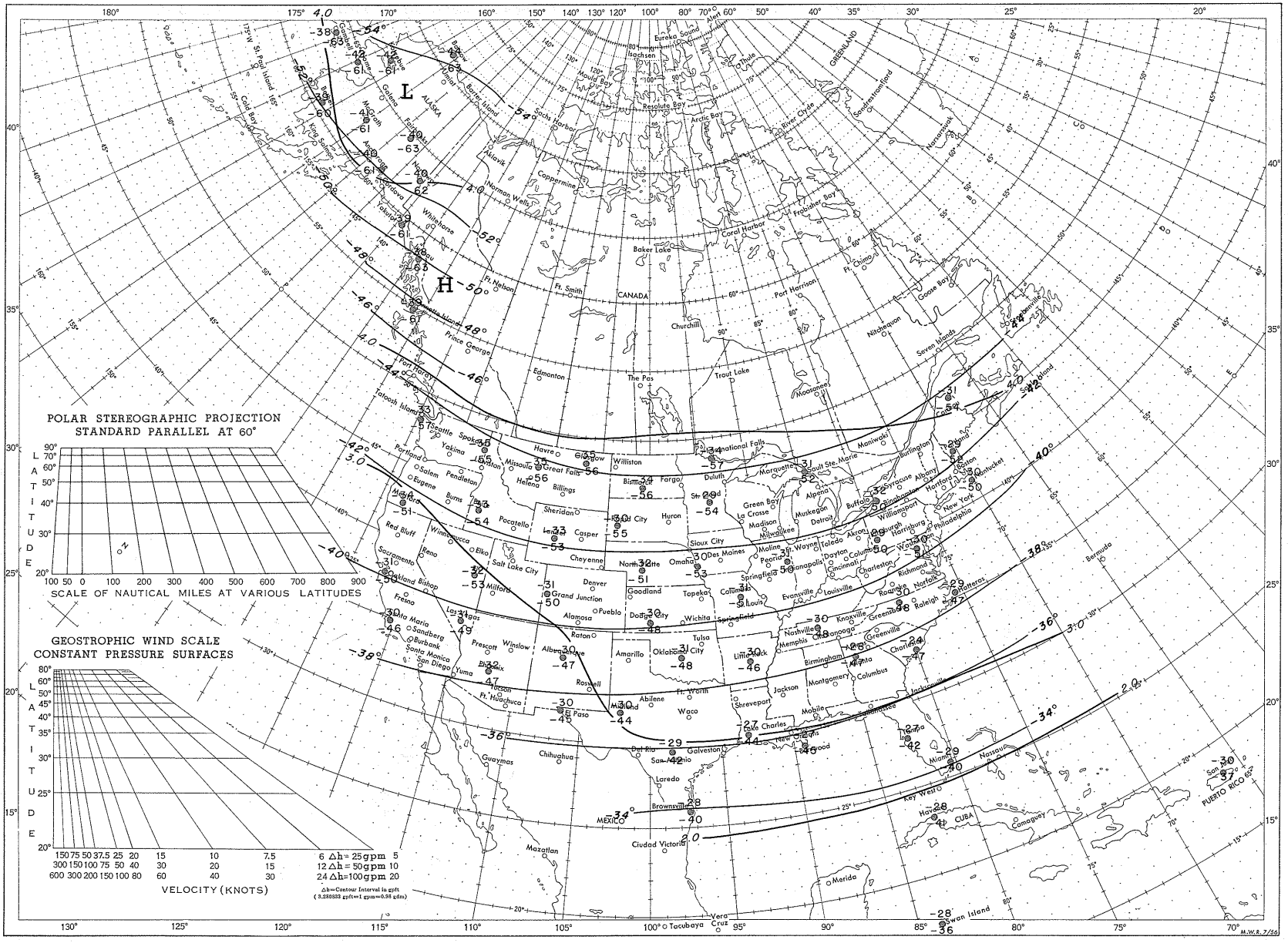

Chart 50 - October average 300-mb. temperature, with standard deviation, and extremes (°C.).

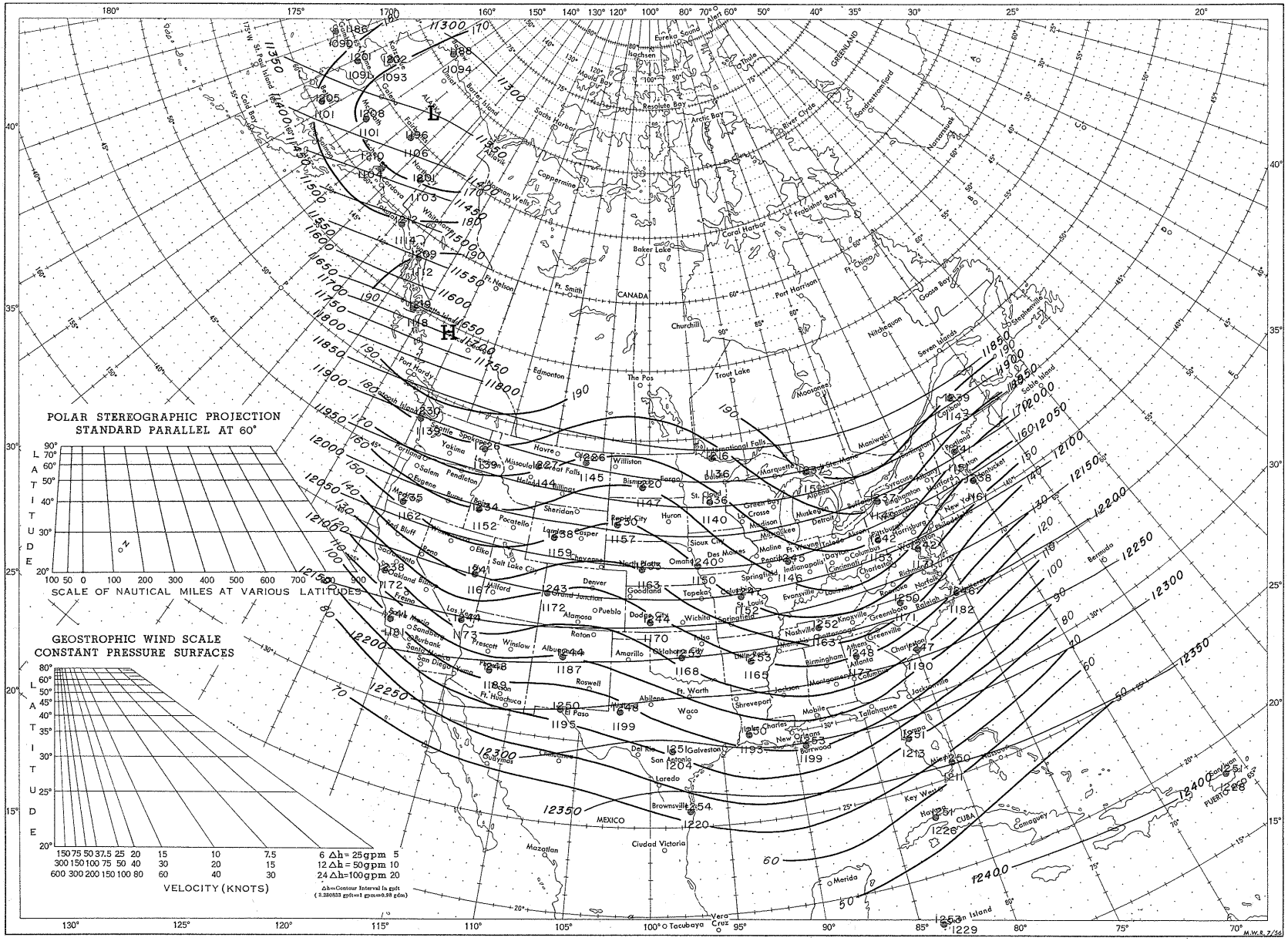

Chart 51 - October average 200-mb. height, with standard deviation, and extremes (gpm.).

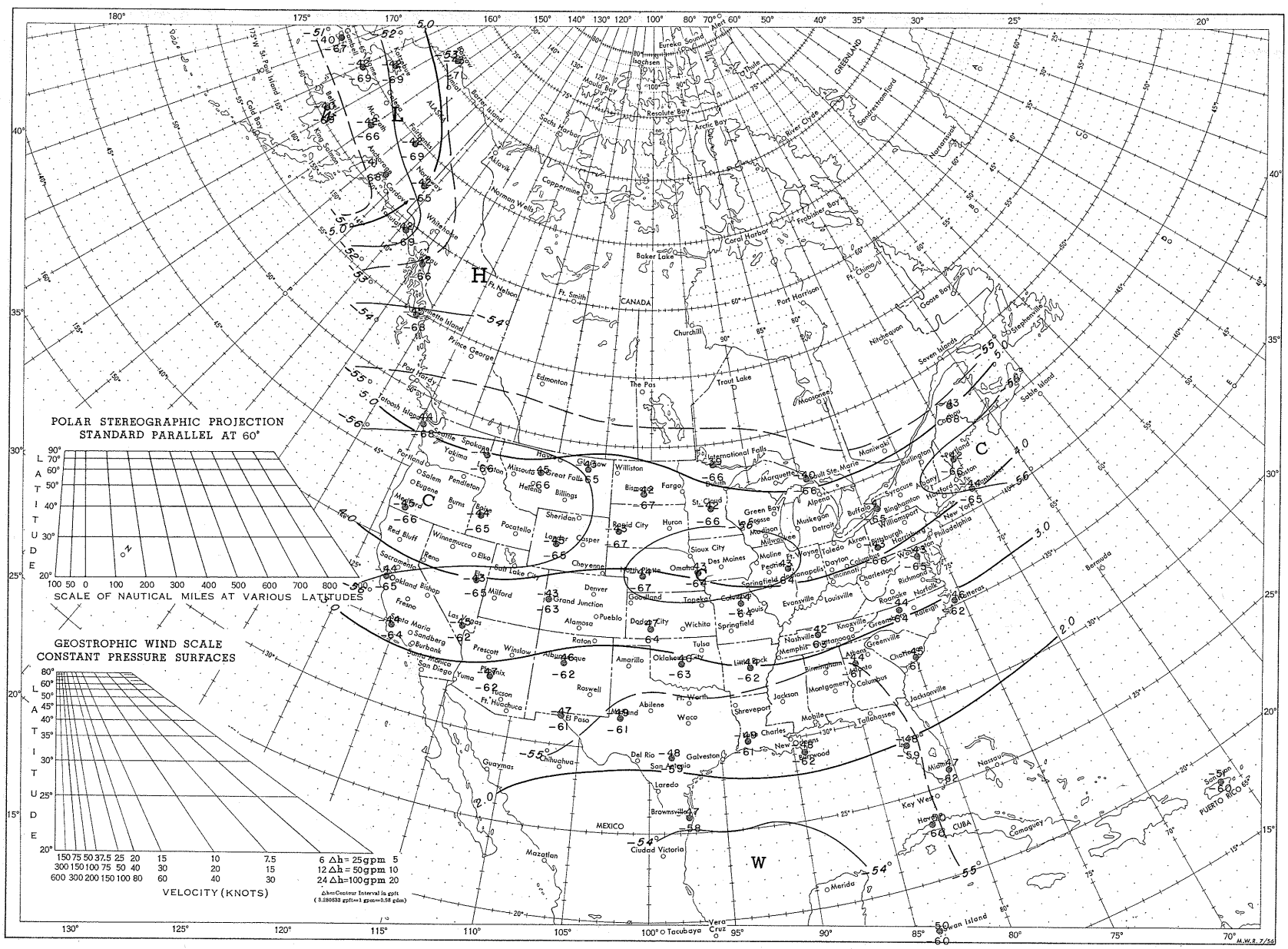

Chart 52 - October average 200-mb. temperature, with standard deviation, and extremes (°C.).

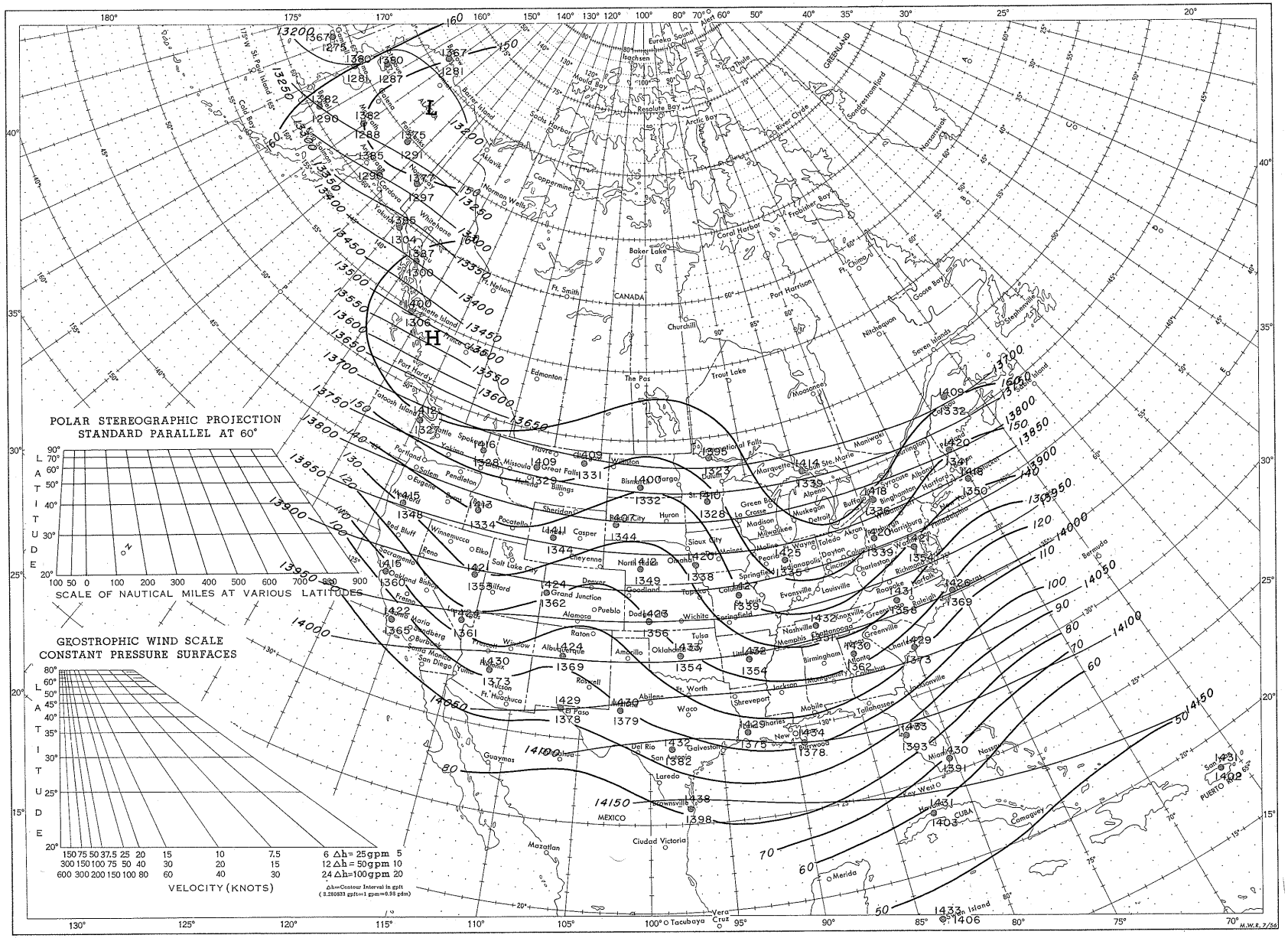

Chart 53 - October average 150-mb. height, with standard deviation, and extremes (gpm.).

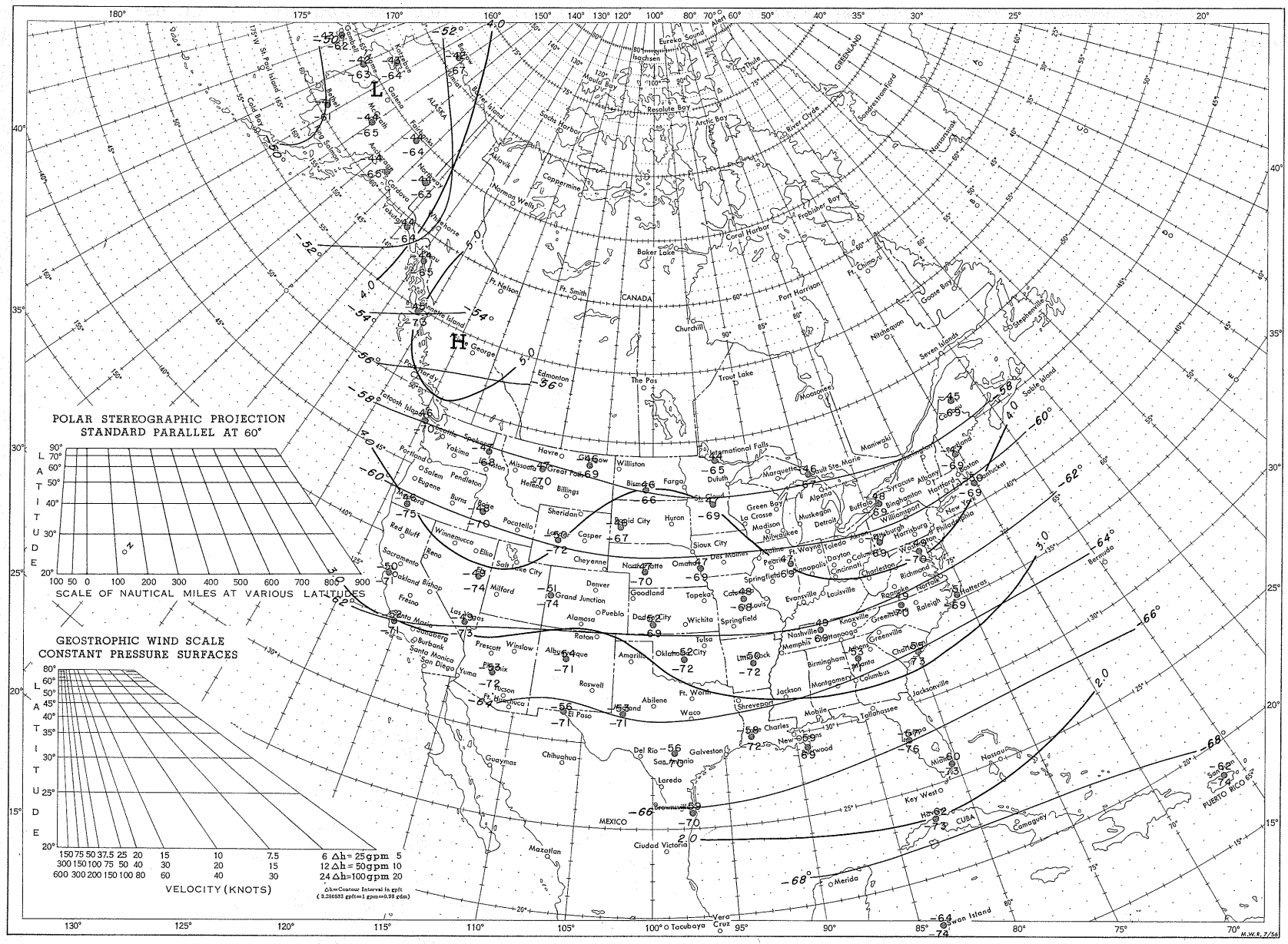

Chart 54 - October average 150-mb. temperature, with standard deviation, and extremes (°C.).

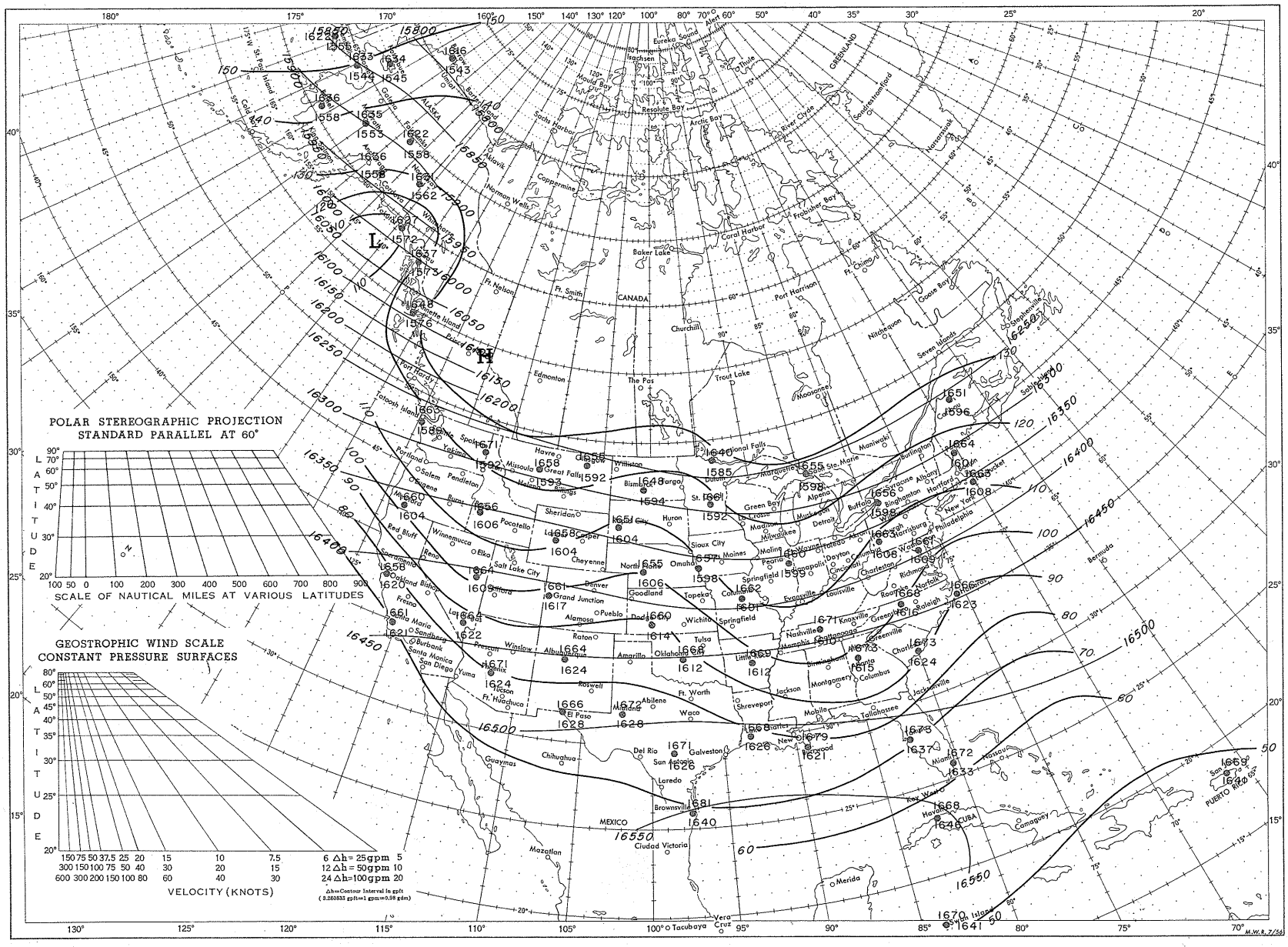

Chart 55 - October average 100-mb. height, with standard deviation, and extremes (gpm.).

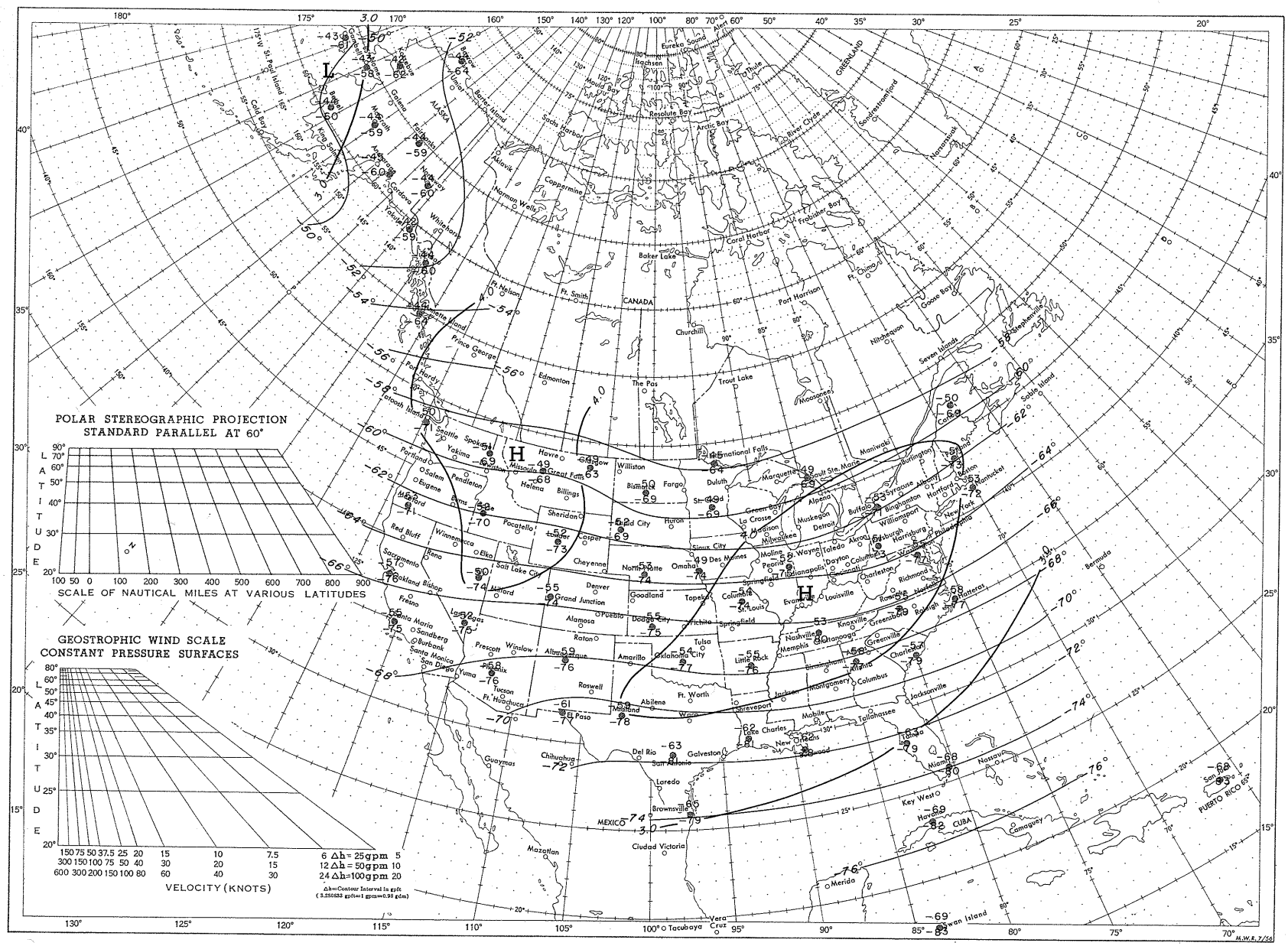

Chart 56 - October average 100-mb. temperature, with standard deviation, and extremes (°C.).

Section C

Maximum and Minimum Heights and Temperatures for the Continental United States and for the Network at 950, 850, 700, 500, 300, 200, 150, and 100 mb.

TABLE 1 MAXIMUM HEIGHTS FOR CONTINENTAL UNITED STATES

	JAN		FEB		MAR		APR		MAY		JUN	
MBS	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION
950	810	ELY	790	GJT	800	GGW	730	GSO-1	740	HAT	690	PWM-GFA
850	1660	ELY	1645	BOI	1649	LND	1646	ACK	1662	GSO-DCA	1630	GSO-CHS
700	3254	ATL	3249	BOI	3227	MIA-TPA	3237	DCA	3261	BNA	3274	BNA
500	5951	MIA	5930	MIA	5931	MIA	5967	MIA	5959	LCH	6000	GJT
300	9736	MIA	9689	MIA	9704	MIA	9791	MIA	9734	LCH	9816	GJT
200	12473	MIA	12379	TPA	12446	MIA	12533	MIA	12458	TPA	12589	LIT
150	14286	MIA	14175	TPA	14349	SAT	14342	MIA	14268	SAT	14491	LIT
100	16679	BRJ	16616	CHS	17000	SAT	16665	SAT	16732	SAT	16900	LIT

	JUL		AUG		SEP		OCT		NOV		DEC	
	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION
950	700	GSO	700	GSO-2	750	DCA	880	DDC	790	LND-GFA	820	ELY
850	1647	CHS	1655	ATL	1685	DCA	1654	TTI	1651	MFR	1663	ACK
700	3279	CHS	3293	ATL	3300	DCA	3253	DCA	3253	MFR	3242	TPA
500	5997	CBI	6008	ATL	5991	CHS	971	ATL	5962	OAK	5943	TPA
300	9838	MAF	9859	SAT	9848	CHS	9787	OKC	9749	MIA	9720	TPA
200	12604	MAF	12625	SAT	12619	BRO	12545	BRO	12489	BRO	12444	BRJ
150	14417	MAF	14456	BRJ	14462	BRO	14383	BRO	14293	BRO	14264	BRJ
100	16871	RAP	16895	ELY	16812	GSO	16811	BRO	16682	BRO	16701	BRJ

1- ACK DCA 2- CAR DCA

TABLE 2 MINIMUM HEIGHTS FOR CONTINENTAL UNITED STATES

	JAN		FEB		MAR		APR		MAY		JUN	
MBS	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION
950	220	CAR	230	PWM	200	CAR	210	STC	230	STC-INL	330	ELY-BOI
850	1084	CAR	1102	CAR	1096	CAR	1128	STC	1120	STC	1261	CAR
700	2592	CAR	2537	CAR	2570	CAR-PWM	2680	STC	2671	STC	2808	CAR
500	4946	CAR	4930	BUF	4969	CAR	5003	CAR	5212	CAR	5396	CAR
300	8361	CAR	8334	CAR	8342	CAR	8319	CAR	8698	INL	8910	TTI
200	10969	CAR	11019	BUF	11066	CAR	11028	CAR	11429	INL	11617	CAR
150	12799	GGW	12915	PWM	12932	CAR	12921	CAR	13329	CAR	13500	CAR
100	15340	GGW	15499	CAR	15531	CAR	15598	CAR	15945	PWM	16153	CAR

	JUL		AUG		SEP		OCT		NOV		DEC	
	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION
950	360	BOI	270	HAT	320	HAT	110	MIA	290	SSM	200	TTI
850	1337	INL	1213	HAT	1264	INL	1094	MIA	1151	SSM	1093	TTI
700	2920	CAR	2862	HAT	2786	CAR	2719	TTI	2601	SSM	2614	CAR
500	5453	CAR	5467	CAR	5261	CAR	5209	TTI	5001	CAR	4924	CAR
300	8973	GEG	9035	CAR	8811	CAR	8683	INL	8499	INL	8351	CAR
200	11709	GEG	11735	INL	11550	TTI	11360	INL	11181	INL	11007	CAR
150	13637	GEG	13652	INL	13454	GGW	13234	INL	13063	INL	12834	CAR
100	16292	GEG	16251	STC	16072	TTI	15851	INL	15680	INL	15364	CAR

TABLE 3 MAXIMUM HEIGHTS FOR ENTIRE NETWORK

	JAN		FEB		MAR		APR		MAY		JUN	
MBS	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION
950	810	ELY	810	ORT	800	GGW	780	BRW	740	HAT	730	GAM
850	1660	ELY	1653	ANC	1649	LND	1647	MCG	1662	GSO-DCA	1661	BET
700	3254	ATL	3249	BOI	3232	HAV	3237	DCA	3261	BNA	3274	BNA
500	5954	HAV	5971	HAV	5964	HAV	5967	MIA	5971	HAV	6000	GJT
300	9736	MIA	9746	HAV	9761	KSWA	9791	MIA	9824	HAV	9816	GJT
200	12473	MIA	12461	HAV	12501	KSWA	12533	MIA	12590	HAV	12589	LIT
150	14286	MIA	14270	HAV	14349	SAT	14342	MIA	14394	HAV	14491	LIT
100	16679	MIA	16708	HAV	17000	SAT	16680	KSJU	16732	BRO	16900	LIT

	JUL		AUG		SEP		OCT		NOV		DEC	
	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION
950	700	GSO	700	DCA-1	750	DCA	880	DDC	790	LND-GFA	820	ELY
850	1647	CHS	1655	ATL	1685	DCA	1654	TTI	1651	MFR	1663	ACK
700	3279	CHS	3293	ATL	3300	DCA	3253	DCA	3253	MFR	3242	TPA
500	5997	CBI	6008	ATL	5991	CHS	5971	ATL	5962	OAK	5950	KSWA
300	9838	MAF	9859	SAT	9848	CHS	9787	OKC	9757	HAV	9764	KSWA
200	12604	MAF	12625	SAT	12619	BRO	12545	BRO	12505	KSJU	12482	KSWA
150	14417	MAF	14456	MIA	14462	BRO	14383	BRO	14308	KSJU	14286	KSWA
100	16871	RAP	16895	ELY	16812	GSO	16811	BRO	16682	BRO	16701	MIA

1- CAR
GSA

TABLE 4 MINIMUM HEIGHTS FOR ENTIRE NETWORK

	JAN		FEB		MAR		APR		MAY		JUN	
MBS	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION
950	80	ANC	170	GAM	200	CAR	160	BET	230	STC-INL	330	FAI-1
850	924	ANC	1013	GAM	1062	GAM	1040	BET	1120	STC	1235	GAM
700	2397	ANC	2461	BRW	2442	GAM	2543	BET	2671	STC	2762	GAM
500	4748	BRW	4738	BRW	4824	GAM	4936	BRW	4998	BET	5217	GAM
300	8099	BRW	8038	BRW	8206	BRW	8275	BRW	8417	BET	8700	BET
200	10726	BRW	10658	BRW	10841	BRW	10876	BRW	11112	OME	11413	BET
150	12554	BRW	12495	BRW	12696	BRW	12754	BRW	13026	BRW	13345	OME
100	15118	BRW	15097	BRW	15255	BRW	15354	BRW	15679	BRW	16039	OME

	JUL		AUG		SEP		OCT		NOV		DEC	
	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION	HEIGHT	STATION
950	320	GAM	240	OME	240	GAM	110	MIA	70	BET	140	ANC
850	1218	GAM	1148	OME	1122	GAM	1032	OME	969	BET	995	ANC
700	2748	GAM	2697	OME	2637	GAM	2525	OME	2461	BET	2478	ANC
500	5282	GAM	5217	BRW	5093	OME	4916	BRW	4887	BET	4836	BRW
300	8782	BRW	8735	BRW	8528	OME	8316	BRW	8264	BRW	8122	OME
200	11518	BRW	11430	OTZ	11217	BRW	10901	GAM	10870	BRW	10675	BRW
150	13452	JNU	13364	OTZ	13100	BRW	12754	GAM	12727	BRW	12485	BRW
100	16105	JNU	16077	BRW	15747	BRW	15434	BRW	15406	GAM	15029	BRW

1- BOI
FAI
ANC

TABLE 5 MAXIMUM TEMPERATURES FOR CONTINENTAL UNITED STATES

	JAN		FEB		MAR		APR		MAY		JUN	
MBS	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION
950	25	BRO-PHX	28	SAT	30	SAT	34	PHX	39	PHX	41	PHX
850	23	BRO	23	BRO	30	BRO	29	BRO	34	ELP	36	ELP-LAS
700	14	BRO	14	BRO	16	BRO	18	BRO	19	ABQ	22	GJT
500	5-	MIA-BRO	5-	MIA	4-	MIA-1	3-	MIA-2	1-	SAT	0-	SAT-SMX
300	27-	SAT-PHX	26-	SMX	31-	SAT-3	31-	MIA-SAT	30-	TPA-4	28-	DCA-5
200	38-	BRJ	36-	CAR	36-	CBI-BUF	37-	MFR	38-	CAR	38-	INL
150	42-	STC-INL	38-	CAR	41-	PWM-TTI	40-	CAR	43-	CAR-6	43-	TTI
100	45-	TTI	40-	CAR	46-	CAR-7	46-	CAR-8	45-	INL	44-	TTI

	JUL		AUG		SEP		OCT		NOV		DEC	
	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION
950	42	PHX	40	PHX	42	PHX	35	PHX	29	PHX-SAT	28	BRO
850	36	LAS	34	LAS	34	PHX-LAS	28	LAS	25	BRO	25	BRO
700	20	ABQ-ELY	20	GJT	19	ABQ	14	BRO-9	14	MIA-10	15	BRO
500	1	RAN	0	SSM	0	BRO	1-	TPA-CHS	3-	MIA-11	4-	MIA
300	26-	PWM-HAT	25-	HAT	26-	BRO	24-	CHS	23-	PIT	25-	ACK
200	38-	CAR	39-	CAR	40-	SSM	39-	INL	36-	PWM	37-	CAR
150	43-	TTI	44-	CAR	41-	STC	44-	INL	41-	SSM-BIS	41-	STC
100	44-	TTI	47-	CAR-TTI	45-	CAR	45-	INL	46-	GGW	43-	GEG

1- LCH BRJ 2- BRJ BRO 3- CBI LCH TPA 4- MIA BRJ SAT 5- ACK LIT 6- TTI INL 7- PWM GFA GEG 8- INL TTI 9- LAS GJT PHX MAF SAT 10- TPA BRO 11- ELP BRJ SAT

TABLE 6 MINIMUM TEMPERATURES FOR CONTINENTAL UNITED STATES

	JAN		FEB		MAR		APR		MAY		JUN	
MBS	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION
950	34-	INL-CAR	31-	INL	28-	INL	18-	INL	7-	INL	1	SSM-CAR
850	35-	GAF	36-	CAR	32-	GGW	23-	INL	14-	CAR	4-	SSM
700	33-	INL-1	34-	CAR	36-	GGW	33-	SSM	22-	CAR	13-	CAR
500	46-	GGW-CAR	44-	CAR-PWM	45-	BIS-SSM	50-	CAR	36-	PWM	31-	MFR
300	63-	GEG	63-	INL	61-	GFA	61-	INL-CAR	56-	TTI	54-	TTI-CAR
200	71-	BIS-GFA	72-	LND-2	71-	LND	71-	BUF	70-	LBF	67-	TTI-BIS
150	75-	LCH-ELP	73-	MIA-3	75-	DCA	75-	MAF	75-	CBI	76-	SAT
100	79-	MIA-BRJ	79-	MIA	80-	MIA	78-	TPA-MIA	80-	BRO	80-	SAT

	JUL		AUG		SEP		OCT		NOV		DEC	
	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION
950	5	TTI	6	SSM	0	CAR-4	7-	INL	26-	GGW	31-	INL
850	0	SSM	0	INL-SSM	7-	SSM-5	14-	STC-INL	27-	STC	29-	CAR-GFA
700	9-	TTI	8-	TTI-6	18-	INL	23-	SSM-INL	33-	GFA	35-	SSM
500	26-	GEG-TTI	24-	TTI	34-	CAR	40-	SSM	44-	GFA	46-	INL
300	50-	CAR	49-	TTI-7	55-	GFA-TTI	57-	INL-TTI	59-	SSM-GFA	60-	INL-8
200	64-	GEG	63-	OMA-9	66-	LND-OMA	68-	TTI-CAR	71-	BUF	71-	STC
150	75-	CHS	73-	TPA-MAF	74-	TPA	76-	TPA	75-	LND-LBF	79-	LND
100	78-	BRO-10	80-	TPA	83-	TPA	81-	SAT-LCH	80-	MIA	79-	MIA

1- GFA GGW 2- GEG PIT 3- ATL LND GEG 4- INL SSM BIS 5- INL GGW 6- CAR SSM INL 7- MFR INL 8- GEG STC BUF 9- GGW TTI 10- SAT ELP LCH ABQ

TABLE 7 MAXIMUM TEMPERATURES FOR ENTIRE NETWORK

	JAN		FEB		MAR		APR		MAY		JUN	
MBS	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION
950	25	BRO-PHX	28	SAT	30	SAT	34	PHX	39	PHX	41	PHX
850	23	BRO	23	BRO	30	BRO	29	BRO	34	ELP	36	ELP-LAS
700	14	BRO	14	KSWA-BRO	16	BRO	18	BRO	19	ABQ	22	GJT
500	3-	KSWA	3-	KSWA-KSJU	2-	KSJU	2-	KSJU-KSWA	1-	SAT	0-	SAT-SMX
300	27-	SAT-PHX	26-	SMS	29-	KSJU	30-	KSJU-KSWA	28-	KSWA-HAV	28-	DCA-1
200	37-	ORT	36-	CAR	36-	CBI-BUF	37-	MFR-2	37-	BRW-3	36-	GAM
150	37-	MCG	38-	BRW-4	37-	FAI-BET	38-	BRW	39-	BRW-5	37-	BRW
100	36-	OTZ-YAK	36-	BRW	36-	BET-OTZ	38-	OTZ	39-	BRW-OTZ	37-	BRW

	JUL		AUG		SEP		OCT		NOV		DEC	
	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION
950	42	PHX	40	PHX	42	PHX	35	PHX	29	PHX-SAT	28	BRO
850	36	LAS	34	LAS	34	PHX-LAS	28	LAS	25	BRO	25	BRO
700	20	ABQ-ELY	20	GJT	19	ABQ	14	BRO-6	14	KSWA-7	15	BRO
500	1	RAN	0	SSM	0	BRO	1-	KSJU-8	2-	KSWA-9	2-	KSJU
300	26-	PWM	25-	HAT	26-	BRO-HAT	24-	CHS	23-	PIT	25-	ACK
200	35-	GAM	35-	GAM-BRW	39-	ANC	39-	INL	36-	PWM	35-	YAK
150	38-	OTZ	36-	BRW	40-	BET	41-	BET	38-	BRW	34-	GAM
100	39-	OTZ-10	38-	BRW	41-	MCG-OTZ	42-	YAK-OTZ	40-	ORT	35-	YAK

1- ACK LIT 2- YAK ANN 3- BET GAM 4- FAI CAR MCG YAK 5- GAM BET 6- LAS MAF GJT SAT PHX 7- TPA BRO MIA 8- CHS TPA 9- KSJU HAV 10- BRW OME

TABLE 8 MINIMUM TEMPERATURES FOR ENTIRE NETWORK

	JAN		FEB		MAR		APR		MAY		JUN	
MBS	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION
950	49-	ORT	42-	BRW	38-	BRW	28-	BRW	19-	BET	10-	BRW
850	40-	BRW-ORT	39-	BRW	40-	GAM	29-	BRW	23-	BET	12-	BRW-GAM
700	39-	BRW-ORT	40-	BRW	44-	GAM	33-	BRW-SSM	31-	BET	19-	GAM
500	49-	BRW	50-	BRW	49-	BRW	50-	CAR	42-	GAM-1	35-	GAM
300	66-	GAM	66-	BRW	64-	BRW	62-	GAM-BRW	59-	JNU	56-	FAI-BET
200	72-	JNU-2	72-	LND-3	71-	LND	73-	GAM	70-	LBF	67-	TTI-BIS
150	75-	LCH-ELP	73-	MIA-4	75-	DCA	75-	MAF	75-	CBI	76-	SAT
100	82-	KSWA	82-	KSWA	83-	KSJU	81-	KSJU	82-	KSWA	83-	KSJU

	JUL		AUG		SEP		OCT		NOV		DEC	
	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION	TEMP	STATION
950	4-	BRW	7-	BRW	13-	BRW	23-	BRW	44-	ORT	46-	ORT
850	6-	BRW	9-	BRW	14-	BRW	23-	ORT	38-	ORT	36-	FAI
700	12-	BRW-5	16-	BRW-6	22-	BRW-7	28-	MCG	40-	ORT	38-	BRW
500	32-	FAI	33-	MCG	37-	BRW	44-	BET	46-	BRW-FAI	49-	OME
300	54-	JNU	55-	FAI-8	58-	BRW-9	63-	BRW-10	64-	GAM	67-	FAI
200	64-	JNU-11	64-	ANN-YAK	66-	LND-OMA	71-	BRW	71-	OTZ-BUF	73-	OME
150	75-	CHS	73-	TPA-12	74-	KSWA-TPA	76-	TPA	75-	LND-LBF	79-	LND
100	78-	BRO-13	81-	KSWA	83-	TPA	83-	KSWA-KSJU	84-	KSJU	82-	KSWA

1-OME ANC 2-FAI YAK 3-OME GEG PIT JNU 4-ATL LND GEG 5-OME FAI 6-OTZ OME ORT 7-OTZ OME FAI 8-OME OTZ BRW 9-ORT FAI YAK ANC 10-FAI GAM JNU 11-GEG ANC ANN MCG 12-KSJU MAF 13-SAT ELP LCH ABQ

TABLE 9 MAXIMUM MONTHLY DENSITY FOR CONTINENTAL UNITED STATES

	JAN		FEB		MAR		APR		MAY		JUN	
MBS	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION
950	1.2836	INL	1.2659	INL	1.2376	INL	1.2048	CAR	1.1926	RAN	1.1904	RAN
850	1.1373	INL	1.1326	INL	1.1220	INL	1.0974	CAR	1.0711	RAN	1.0685	RAN
700	.9495	INL	.9475	SSM	.9424	INL	.9279	CAR	.9081	CAR	.8976	TTI
500	.7175	INL	.7163	INL	.7121	INL	.7015	CAR	.6881	TTI	.6809	TTI
300	.4732	INL	.4729	INL	.4723	GFA	.4672	GFA	.4606	GFA	.4548	TTI-GEG
200	.3234	OAK	.3253	MFR	.3248	OAK	.3256	MFR-LAS	.3249	CHS	.3216	LBF
150	.2501	MIA	.2491	MIA	.2495	MIA	.2497	MIA	.2518	MIA	.2538	MIA
100	.1745	MIA	.1736	MIA	.1737	MIA	.1720	MIA	.1730	BRO	.1750	BRO

	JUL		AUG		SEP		OCT		NOV		DEC	
	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION
950	1.1899	RAN	1.1934	RAN	1.1931	RAN	1.2011	RAN	1.2283	INL	1.2683	INL
850	1.0681	RAN	1.0700	RAN	1.0703	RAN	1.0772	RAN	1.1068	INL	1.1286	INL
700	.8874	TTI	.8864	RAN	.8929	CAR	.9054	CAR	.9298	INL	.9441	INL
500	.6731	TTI	.6730	TTI	.6763	INL	.6849	INL	.7031	INL	.7131	INL
300	.4502	TTI	.4514	TTI	.4526	INL	.4569	GFA-1	.4660	INL	.4716	INL
200	.3208	MIA	.3194	MIA	.3200	OMA-PWM	.3221	MFR	.3240	MFR	.3240	SMX-LAS
150	.2542	MIA	.2532	MIA	.2540	MIA	.2542	MIA	.2538	MIA	.2519	MIA
100	.1726	BRO	.1731	BRO	.1752	BRO	.1749	MIA	.1751	MIA	.1744	MIA

1- LBF
INL

TABLE 10 MINIMUM MONTHLY DENSITY FOR CONTINENTAL UNITED STATES

	JAN		FEB		MAR		APR		MAY		JUN	
MBS	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION
950	1.1363	MIA	1.1378	MIA	1.1306	MIA	1.1110	PHX	1.0959	PHX	1.0774	PHX
850	1.0335	BRO	1.0333	BRO	1.0229	BRO	1.0124	ELP	.9977	ELP	.9798	ELP
700	.8724	BRO	.8766	BRO	.8653	BRO	.8636	BRO	.8589	BRO	.8479	ABQ
500	.6625	MIA	.6645	MIA	.6618	MIA	.6623	MIA	.6588	BRO	.6518	BRO
300	.4449	MIA	.4460	MIA	.4443	MIA	.4441	MIA-BRO	.4408	BRO	.4352	BRO
200	.3157	INL	.3155	CAR	.3164	CAR	.3167	CAR	.3188	CAR	.3162	TTI
150	.2362	INL	.2356	CAR	.2361	INL	.2363	CAR	.2378	TTI	.2364	TTI
100	.1593	GEG	.1592	INL	.1588	INL	.1591	CAR-INL	.1592	TTI	.1582	TTI

	JUL		AUG		SEP		OCT		NOV		DEC	
	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION
950	1.0689	PHX	1.0721	PHX	1.0770	PHX	1.0995	PHX	1.1264	MIA	1.1328	MIA
850	.9782	LAS	.9816	LAS	.9892	PHX	1.0065	ELP	1.0273	BRO	1.0308	BRO
700	.8441	GJT	.8480	ABQ	.8530	ABQ	.8643	BRO	.8684	BRO	.8718	BRO
500	.6505	SAT	.6502	SAT	.6508	BRO	.6550	BRO	.6590	MIA	.6616	MIA
300	.4339	MAF	.4339	SAT	.4334	BRO	.4372	BRO	.4411	MIA	.4433	MIA
200	.3149	TTI	.3161	TTI	.3168	SAT	.3184	BRO	.3165	SSM	.3165	INL
150	.2365	TTI	.2374	TTI	.2407	INL-GGW	.2411	INL	.2376	INL	.2369	INL
100	.1588	TTI	.1593	TTI	.1607	INL	.1615	INL	.1596	INL	.1589	INL

TABLE 11 MAXIMUM MONTHLY DENSITY FOR ENTIRE NETWORK

	JAN		FEB		MAR		APR		MAY		JUN	
MBS	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION
950	1.3099	BRW	1.3226	BRW	1.3043	BRW	1.2779	BRW	1.2420	BRW	1.2162	JNU
850	1.1635	BRW	1.1699	BRW	1.1562	BRW	1.1414	BRW	1.1098	BRW	1.0844	JNU
700	.9781	BRW	.9842	BRW	.9711	BRW	.9626	BRW	.9369	BRW	.9158	BRW
500	.7393	BRW	.7411	BRW	.7345	BRW	.7290	BRW	.7105	BRW	.6965	BRW
300	.4810	BRW	.4810	BRW	.4775	BRW	.4762	BRW	.4698	OME	.4643	BRW
200	.3234	OAK	.3253	MFR	.3248	OAK	.3256	MFR-LAS	.3249	CHS	.3216	LBF
150	.2517	KSWA	.2517	KSWA	.2522	KSWA	.2536	KSJU	.2547	KSJU	.2556	KSJU
100	.1782	KSWA	.1776	KSWA-KSJU	.1777	KSWA	.1768	KSWA	.1780	KSWA	.1757	KSWA

	JUL		AUG		SEP		OCT		NOV		DEC	
	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION
950	1.2144	JNU	1.2141	JNU	1.2207	BRW	1.2482	BRW	1.2785	BRW	1.3157	BRW
850	1.0817	JNU	1.0823	GAM	1.1008	BRW	1.1238	BRW	1.1457	BRW	1.1705	BRW
700	.9044	BRW	.9119	BRW	.9318	BRW	.9491	BRW	.9640	BRW	.9815	BRW
500	.6855	BRW	.6904	BRW	.7076	BRW	.7207	BRW	.7305	BRW	.7412	BRW
300	.4588	JNU	.4601	BRW	.4712	BRW	.4778	BRW	.4774	BRW	.4820	BRW
200	.3214	KSJU	.3198	KSJU	.3200	OMA-PWM	.3221	MFR	.3240	MFR	.3240	SMX-LAS
150	.2554	KSWA	.2544	KSWA	.2551	KSWA	.2556	KSWA	.2554	KSWA	.2532	KSWA-KSJU
100	.1734	KSJU	.1747	KSWA	.1769	KSWA	.1787	KSWA	.1784	KSWA	.1780	KSJU

TABLE 12 MINIMUM MONTHLY DENSITY FOR ENTIRE NETWORK

	JAN		FEB		MAR		APR		MAY		JUN	
MBS	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION
950	1.1183	KSWA	1.1196	KSWA	1.1170	KSWA	1.1110	PHX	1.0959	PHX	1.0774	PHX
850	1.0247	KSWA	1.0252	KSWA	1.0216	KSWA	1.0124	ELP	.9977	ELP	.9798	ELP
700	.8677	KSWA	.8671	KSWA	.8636	KSWA	.8636	BRO	.8589	BRO	.8479	ABQ
500	.6553	KSWA	.6548	KSWA	.6530	KSWA	.6531	KSWA	.6524	KSWA	.6518	BRO
300	.4398	KSJU	.4391	KSWA	.4385	KSWA	.4370	KSWA	.4343	KSWA	.4344	KSWA
200	.3143	ANC	.3128	YAK	.3115	OTZ	.3117	ORT-BRW	.3080	BRW	.3074	BRW
150	.2338	BET	.2334	ORT	.2321	OTZ	.2321	BRW	.2300	BRW	.2288	BRW
100	.1557	BET	.1545	GAM	.1546	OTZ	.1542	BRW	.1535	BRW	.1521	BRW

	JUL		AUG		SEP		OCT		NOV		DEC	
	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION	DENSITY	STATION
950	1.0689	PHX	1.0721	PHX	1.0770	PHX	1.0995	PHX	1.1108	KSWA	1.1150	KSWA
850	.9782	LAS	.9816	LAS	.9892	PHX	1.0065	ELP	1.0166	KSWA	1.0214	KSWA
700	.8441	GJT	.8480	ABQ	.8530	ABQ	.8617	KSWA	.8634	KSWA	.8652	KSWA
500	.6505	SAT	.6502	SAT	.6508	BRO	.6520	KSWA	.6529	KSWA	.6543	KSWA
300	.4339	MAF	.4339	SAT	.4334	BRO	.4341	KSWA	.4356	KSWA	.4382	KSJU
200	.3089	GAM	.3090	BRW	.3113	OME	.3132	BET	.3141	MCG	.3142	YAK
150	.2297	BRW	.2298	BRW	.2323	BRW	.2342	BET	.2341	BET-GAM	.2349	YAK-1
100	.1524	BRW	.1530	BRW	.1547	BRW	.1558	GAM	.1556	BET-GAM	.1562	BET

1- BET
MCG

STATION CODE IDENTIFIERS

ABQ	ALBUQUERQUE, NEW MEXICO
ACK	NANTUCKET, MASSACHUSETTS
ANC	ANCHORAGE, ALASKA
ANN	ANNETTE ISLAND, ALASKA
ATL	ATLANTA, GEORGIA
BET	BETHEL, ALASKA
BIS	BISMARCK, NORTH DAKOTA
BNA	NASHVILLE, TENNESSEE
BOI	BOISE, IDAHO
BRJ	BURRWOOD, LOUISIANA
BRO	BROWNSVILLE, TEXAS
BRW	BARROW, ALASKA
BUF	BUFFALO, NEW YORK
CAR	CARIBOU, MAINE
CBI	COLUMBIA, MISSOURI
CHS	CHARLESTON, SOUTH CAROLINA
DCA	WASHINGTON, D. C.
DDC	DODGE CITY, KANSAS
ELP	EL PASO, TEXAS
ELY	ELY, NEVADA
FAI	FAIRBANKS, ALASKA
GAM	GAMBELL, ALASKA
GEG	SPOKANE, WASHINGTON
GFA	GREAT FALLS, MONTANA
GGW	GLASGOW, MONTANA
GJT	GRAND JUNCTION, COLORADO
GSO	GREENSBORO, NORTH CAROLINA
HAT	HATTERAS, NORTH CAROLINA
HAV	HAVANA, CUBA
INL	INTERNATIONAL FALLS, MINNESOTA
JNU	JUNEAU, ALASKA
KSJU	SAN JUAN, P. R.
KSWA	SWAN ISLAND, WEST INDIES
LAS	LAS VEGAS, NEVADA
LBF	NORTH PLATTE, NEBRASKA
LCH	LAKE CHARLES, LOUISIANA
LIT	LITTLE ROCK, ARKANSAS
LND	LANDER, WYOMING
MAF	MIDLAND, TEXAS
MCG	MCGRATH, ALASKA
MFR	MEDFORD, OREGON
MIA	MIAMI, FLORIDA
OAK	OAKLAND, CALIFORNIA
OKC	OKLAHOMA CITY, OKLAHOMA
OMA	OMAHA, NEBRASKA
OME	NOME, ALASKA
ORT	NORTHWAY, ALASKA
OTZ	KOTZEBUE, ALASKA
PHX	PHOENIX, ARIZONA
PIT	PITTSBURGH, PENNSYLVANIA
PWM	PORTLAND, MAINE
RAN	RANTOUL, ILLINOIS
RAP	RAPID CITY, SOUTH DAKOTA
SAT	SAN ANTONIO, TEXAS
SMX	SANTA MARIA, CALIFORNIA
SSM	SAULT STE. MARIE, MICHIGAN
STC	ST. CLOUD, MINNESOTA
TPA	TAMPA, FLORIDA
TTI	TATOOSH ISLAND, WASHINGTON
YAK	YAKUTAT, ALASKA

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