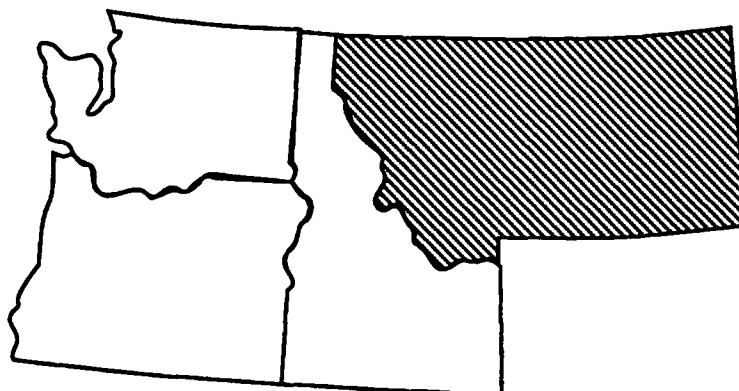


Bin Data Sites in Montana

EM 8366 / January 1988



Oregon State University Extension Service

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Introduction

The economical design of energy efficient commercial buildings is dependent, in part, on the ability to predict their energy use from historical hourly weather data. For the weather data to be useful, it is commonly organized into a "bin" format. The bin format represents the number of hourly occurrences in various 5 °F temperature bins. The mean coincident wet bulb temperature is also recorded for each bin.

Previously, there were eighteen sites in the four northwestern states of Oregon, Washington, Idaho, and Montana that reported hourly data in the bin formats. As a result of this project, the number of sites having tabulated bin data was increased to fifty-one.

Bin Data Table History

In 1978 the Departments of the Air Force, the Army, and the Navy jointly published a publication entitled "Engineering Weather Data (AFM 88-29)" containing information useful for facility designing and planning. Included in this volume was a section giving monthly tabulations of the frequency of occurrence of temperatures in various categories and an associated mean wet bulb temperature. Only a limited number of cities were selected from each state for inclusion in this manual. The sites usually coincided with military establishments.

For inclusion in the 1978 compilation, any station had to have recorded 24 hourly observations per day for a period of at least 5 years. The particular years used for each station were not given. It is suspected that 1964 was the ending year for many of the tabulations in the 1978 manual. The reasoning for this follows.

In most cases, the National Climatic Data Center in Asheville, North Carolina has been the original source of digital hourly observations used in climatological studies. In general, with some exceptions, hourly weather observations have been digitized (that is, converted to electronic form) for each hour from 1948 through 1964. As an economy measure, from 1965 through July 1981, observations were only digitized eight times per day, at the Greenwich hours (Universal time) divisible by 3. Though this is true at most stations, some have had all 24 of the hourly observations digitized for one or more years during this period to satisfy certain user requests in the past. The particular years involved, however, vary from station to station. In August 1981 the digitization of each of the 24 hours was resumed at all locations in the country, a practice that continues to the present. Therefore, at the time of the 1978 publication, 24 values per day in digital form would only be available through 1964.

Temperature distributions are presented by 5 degree (F) temperature intervals, for each month and on an annual basis. The year is split into a warm half and a cold half. Following the same format, values are further given for 3 eight-hour periods: 01 - 08 hours LST ("sleep"), 09 - 16 Local Standard Time ("work"), and 17 - 24 hrs LST ("recreation"). A fourth column gives the total for all hours.

The mean coincident wet bulb temperature is the mean of all wet bulb temperatures recorded when the dry bulb temperature is within the 5 degree interval under consideration. In completely saturated air the wet bulb temperature will equal the dry bulb temperature. Otherwise the wet bulb temperature will be lower. For a given absolute air moisture content (that is, a constant dewpoint), the wet bulb temperature will rise as air temperature rises, but at an intermediate rate. The wet bulb temperature can be no lower than the dewpoint temperature and no higher than the dry bulb temperature.

Bin Data Generation

In 1987 the Oregon State University Extension Service, in conjunction with the Climatic Research Institute at Oregon State University, purchased digital hourly airways data for the period of record through 1983.

Data were obtained in TDF-14 format from the National Climatic Data Center in Asheville, North Carolina. The sites consist of First Order and Second Order stations, primarily airports, with a few supplemental mountaintop contract stations included. The observations were first converted to an internal space-efficient representation. Hourly dry bulb and wet bulb temperatures were subsequently extracted from these files and used to generate the tables.

The numbers presented in the tables give the number of hours expected in each month, or the year, and time interval with the temperature in the indicated category. A 31-day month contains 744 hours, and a non-leap year contains 8760 hours. Numbers may not sum exactly to expected totals due to rounding. An asterisk represents a value that has been observed, but for less than an average of one-half hour per month or year.

Values in the extreme categories at the tails of the distributions tend to occur in major cold or warm spells, and thus are not found each year. A better representation of the more extreme temperatures can thus be obtained from a longer record. However, since a portion of the digital record contains only every third hour, the three eight-hour intervals will not receive an equal number of observations, with two intervals receiving 3 observations and one interval receiving 2 observations. If temperature is on average rising or falling during an interval, sampling deficiencies may lead to a systematic bias in that interval if not all hours within the interval are available. Since the day is uniformly sampled with

eight 3-hourly values, however, the daily total should be relatively unaffected. For this reason, years with either all 24 hours, or with eight 3-hourly values, were used for these tables.

A few stations have operated for most or all of their existence primarily during daytime hours. For these stations a cautionary note is given indicating that the 3 eight-hour intervals have not been uniformly sampled. A few other stations have operated around the clock during part of their record, and as daytime-only stations during other parts of the record. Tables for these stations have been produced twice, once with all available observations, and once with observations available every hour or 3 hours throughout all 24 hours.

A separate table showing the number of observations from each hour and each year that were used to construct the data tabulations is given in the appendix to assist in their interpretation.

Bin Data Validation

Prior to this project, it was not known how bin data derived from hourly airport observations compared with published military data for the same site. A study was undertaken to compare bin data generated from original observations at two Oregon airports with bin data published for the same location.

Bin data were generated for the period 1948-1964 from hourly airport temperature data for Portland and Pendleton, Oregon. These tables were compared to military bin data for the same period. Three methods were used to compare the data: (1) the weighted percent difference between samples, (2) a slope comparison of hourly observations, and, (3) an energy use comparison of a sample building. In all cases, the difference from military data was less than 1.4 percent. Bin data were also generated from the most current Portland and Pendleton weather files. A comparison with the military data showed differences of less than 4.4 percent¹.

Summary

The choice of stations for this report was governed by a need to increase the number of stations, a need to increase the number of years used, and by the cost of obtaining the data. Stations already represented in the 1978 military manual were given lower priority in this regard. The original tables from the 1978 manual are reproduced here for completeness. Exact agreement with these earlier tables is neither expected nor required, since climate variability and urban influences will affect temperature distributions.

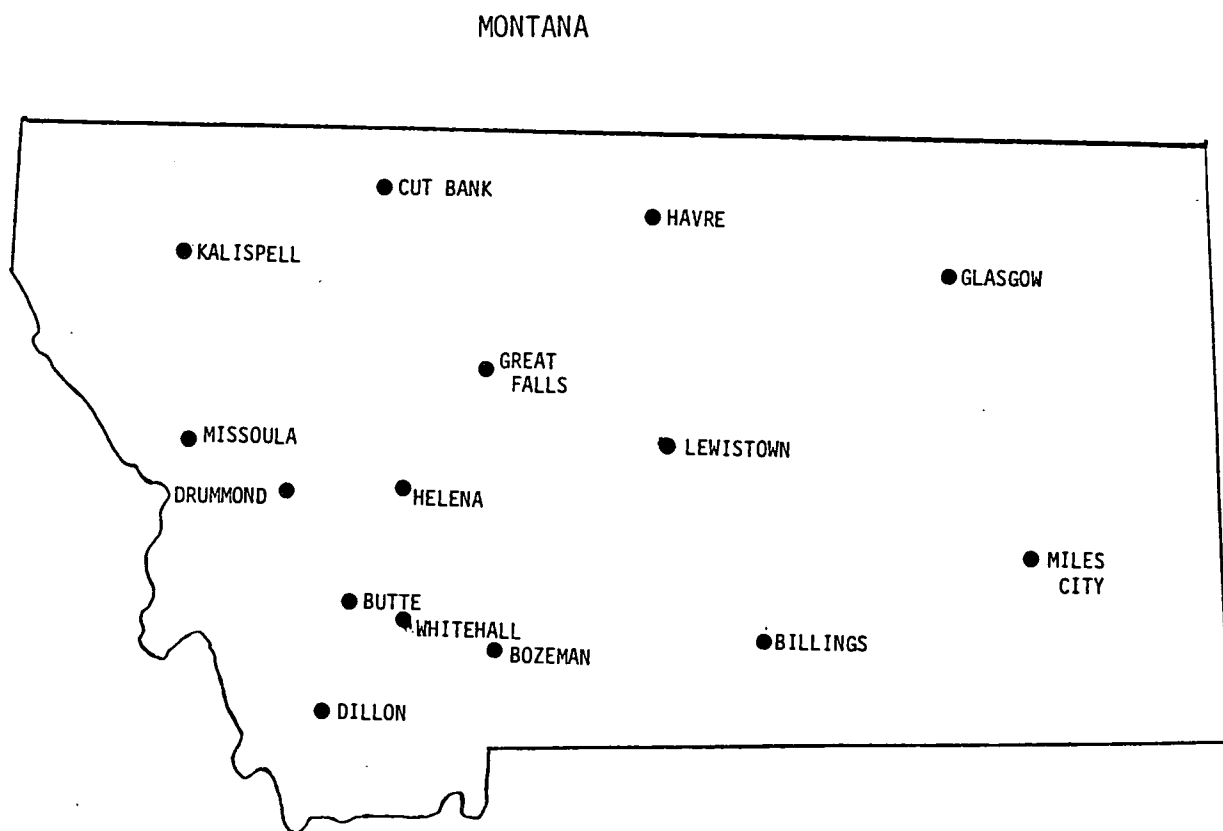
1. Wykes, R. Thomas, and Kelly Redmond, "A Comparison of Bin Data Samples for Portland and Pendleton, Oregon," unpublished paper. No charge for single copy; order from Deschutes County Branch Office, OSU Extension Service, 1128 NW Harriman, Bend, OR 97701.

Table 1. List of stations.

WBAN No. -----	Site -----	Overall period -----	Years skipped -----
MONTANA			
	* Billings		
24132	Bozeman	1948 - 1954	
24135	Butte	1948 - 1983	1961 - 1981
24137	Cut Bank	1948 - 1983	
24138	Dillon	1948 - 1973	
24139	Drummond	1948 - 1954	
	* Glasgow		
24143	Great Falls	1948 - 1985	
94012	Havre	1966 - 1983	
	* Helena		
24146	Kalispell	1948 - 1983	1954 - 1963
24036	Lewistown	1948 - 1983	
24037	Miles City	1948 - 1983	
	* Missoula		
24161	Whitehall	1948 - 1954	

* - Reproduced from 1978 military report
 Dates not known

Figure 1. Distribution of bin sites.





STATIONS

STATION: BILLINGS/LOGAN IAP MONTANA

LAT 45 48N

LON 108 32W

ELEV 3567 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **				
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)				
	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)
105 109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68	0	0	0	0	0	0	0	0	0	0
100 104	0	0	0	0	0	0	0	0	0	0	0	2	0	2	68	0	1	0	1	67	0	0	0	0	63	0	0	0	0	0
95 99	0	0	0	0	0	0	1	1	2	64	0	9	3	12	66	0	5	2	7	65	0	1	0	1	63	0	0	0	0	0
90 94	0	1	0	1	61	0	5	2	7	63	0	29	13	42	64	0	23	10	33	63	0	4	1	5	62	0	0	0	0	0
85 89	0	3	1	4	60	0	15	7	22	63	0	42	26	68	63	0	35	20	55	62	0	11	4	15	60	0	1	0	1	58
80 84	0	10	3	13	59	0	25	15	40	61	1	45	41	87	62	1	44	33	78	61	0	21	9	30	59	0	7	1	8	56
75 79	0	19	10	29	57	1	37	22	60	59	8	45	44	97	60	7	46	44	97	59	0	26	17	43	57	0	13	3	16	54
70 74	1	27	15	43	55	6	44	34	84	57	33	37	44	114	58	20	39	45	104	57	3	35	29	67	55	0	23	9	32	52
65 69	4	39	27	70	52	19	41	42	102	56	61	23	35	119	56	50	26	40	116	56	12	35	33	80	53	1	25	19	45	50
60 64	12	42	39	93	50	51	34	44	129	53	71	9	25	105	54	75	17	28	120	54	28	34	39	101	50	7	34	29	70	48
55 59	32	37	44	113	48	64	20	36	120	51	50	5	11	66	51	61	8	17	86	51	45	27	38	110	48	20	33	37	90	45
50 54	55	31	42	128	46	58	13	26	97	48	18	1	4	23	48	27	3	7	37	48	58	19	28	105	45	34	32	40	106	43
45 49	64	21	36	121	43	30	4	8	42	44	3	0	1	4	45	7	0	1	8	44	46	13	19	78	42	54	30	35	119	40
40 44	51	11	21	83	39	8	1	2	11	40	1	0	0	1	41	1	0	0	1	39	28	11	14	53	39	51	19	30	100	37
35 39	19	5	5	29	35	1	1	1	3	36	0	0	0	0	0	0	0	0	0	0	13	3	5	21	35	35	16	22	73	33
30 34	5	2	3	10	31	1	1	1	3	33	0	0	0	0	0	0	0	0	0	0	6	2	3	11	31	29	12	16	57	30
25 29	3	1	1	5	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	13	4	5	22	26
20 24	1	0	1	2	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	5	22
15 19	1	0	0	1	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
10 14	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION: BILLINGS/LOGAN IAP MONTANA

LAT 45 48 N LON 108 32 W ELEV 3567 Ft

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF OAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIOENT WET BULB (MCWB)").

TEMP RANGE (F)	** NOVEMBER **					** DECEMBER **					** JANUARY **					** FEBRUARY **					** MARCH **					** APRIL **					** ANNUAL **										
	TIME OF OAY (LST)					TIME OF OAY (LST)					TIME OF OAY (LST)					TIME OF OAY (LST)					TIME OF OAY (LST)					TIME OF OAY (LST)					TIME OF OAY (LST)										
	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)						
105 109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	67			
95 99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	6	22	65				
90 94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	26	88	64					
85 89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	58	165	62					
80 84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	55	2	154	103	259	60							
75 79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	0	4	2	6	53	16	190	142	348	58								
70 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	2	0	2	50	0	11	5	16	51	63	218	181	462	56				
65 69	0	3	0	3	49	0	0	0	0	47	0	0	0	0	48	0	1	0	1	49	0	5	2	7	48	0	14	8	22	49	147	212	206	565	54						
60 64	0	9	2	11	46	0	1	0	1	45	0	1	0	1	45	0	2	0	2	47	0	10	4	14	46	2	23	17	42	47	246	216	227	689	51						
55 59	2	19	8	29	44	0	4	1	5	42	0	3	1	4	42	0	8	3	11	44	0	15	9	24	43	5	29	22	56	45	279	208	227	714	48						
50 54	8	26	18	52	41	1	13	4	18	40	1	7	3	11	40	2	14	8	24	41	3	20	17	40	41	15	33	29	77	42	280	212	226	718	44						
45 49	17	35	28	80	38	5	22	11	38	37	5	19	12	36	37	6	23	16	45	38	9	27	22	58	38	29	37	40	106	39	275	231	229	735	40						
40 44	34	37	42	113	35	24	38	33	95	34	16	28	24	68	34	20	33	27	80	34	22	38	32	92	35	43	31	39	113	37	299	247	264	810	36						
35 39	44	31	43	118	32	37	42	48	127	31	26	30	32	88	31	32	33	37	102	32	39	35	41	115	32	50	24	32	106	33	296	220	266	782	32						
30 34	48	29	34	111	29	46	37	43	126	28	33	30	34	97	28	38	29	40	107	28	50	31	41	122	29	48	19	27	94	30	304	192	242	738	29						
25 29	29	17	21	67	25	38	23	34	95	24	32	26	28	86	24	37	22	27	86	25	44	21	27	92	25	33	10	14	57	26	229	124	157	510	25						
20 24	21	10	15	46	20	33	18	23	74	20	26	20	22	68	20	23	15	18	56	20	28	13	15	56	20	12	2	4	18	21	147	79	99	325	20						
15 19	14	8	10	32	16	18	13	11	42	16	22	16	20	58	16	16	13	12	41	16	17	11	13	41	16	3	0	1	4	17	91	61	67	219	16						
10 14	9	6	7	22	11	14	12	15	41	11	17	17	14	48	11	14	11	13	38	11	11	7	8	26	11	1	0	0	1	12	66	53	57	176	11						
5 9	6	3	4	13	7	11	8	8	27	7	17	11	14	42	6	12	9	10	31	6	8	5	5	18	7	0	0	0	0	0	54	36	41	131	6						
0 4	4	3	4	11	2	7	7	7	21	1	13	11	13	37	2	10	6	8	24	2	5	4	4	13	2	0	0	0	0	0	39	31	36	106	2						
-5 -1	2	2	2	6	-3	7	4	5	16	-3	9	10	9	28	-4	6	3	4	13	-3	5	3	3	11	-3	0	0	0	0	0	29	22	23	74	-3						
-10 -6	1	1	1	3	-8	3	2	3	8	-8	13	10	11	34	-8	4	1	2	7	-8	3	2	3	8	-8	0	0	0	0	0	24	16	20	60	-8						
-15 -11	1	0	0	1	-13	2	1	1	4	-12	9	7	7	23	-13	2	0	0	2	-13	3	0	1	4	-12	0	0	0	0	0	17	8	9	34	-13						
-20 -16	0	0	0	0	-18	1	0	1	2	-18	7	2	5	14	-18	1	0	0	1	-18	1	0	0	1	-17	0	0	0	0	0	10	2	6	18	-18						
-25 -21	0	0	0	0	0	1	0	1	2	-23	1	1	0	2	-22	0	0	0	0	-21	0	0	0	0	0	0	0	0	0	0	2	1	1	4	-23						
-30 -26	0	0	0	0	0	0	0	0	0	-26	0	0	0	0	-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-26					

STATION : BOZEMAN AIRPORT

WBAN NO. : 24132 YEARS : 1948 - 1954
 LAT 45 47N LON 111 09W ELEV 4452 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **					
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					
	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	
	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
95 99	0	0	0	0	0	0	0	0	0	0	0	2	*	2	63	0	1	*	1	63	0	*	0	*	64	0	0	0	0	0	
90 94	0	0	0	0	0	0	*	*	*	62	0	11	4	15	61	0	7	1	9	61	0	2	*	2	59	0	0	0	0	0	
85 89	0	1	*	1	58	0	3	1	4	61	0	28	10	38	60	0	19	7	26	60	0	4	1	5	57	0	0	0	0	0	
80 84	0	4	1	5	57	0	10	5	15	60	0	45	21	66	59	*	43	14	57	58	0	17	4	21	56	0	*	0	*	56	
75 79	0	11	3	14	55	*	25	9	34	58	1	52	26	79	58	*	52	22	75	57	0	29	7	36	55	0	6	*	6	54	
70 74	0	25	8	33	53	1	38	20	58	56	5	45	29	80	57	2	50	28	80	56	0	35	11	45	53	0	13	2	15	52	
65 69	1	31	15	47	51	3	45	24	72	54	15	33	36	84	55	10	39	38	87	54	1	39	20	60	52	*	25	3	29	50	
60 64	4	47	25	75	49	16	41	38	95	52	38	18	45	101	53	26	25	44	95	53	4	38	29	71	50	1	30	8	39	48	
55 59	14	41	36	91	47	28	36	42	107	50	56	7	39	102	51	53	7	48	108	51	14	27	37	78	48	3	38	17	58	45	
50 54	30	28	46	104	45	65	23	44	133	48	63	4	26	93	48	71	5	35	111	48	36	23	45	104	46	8	35	28	71	43	
45 49	49	27	43	119	42	55	11	30	97	44	49	1	10	61	44	62	1	9	71	44	55	13	43	111	42	19	35	41	96	40	
40 44	60	18	34	112	38	42	3	18	63	40	17	0	1	19	40	20	0	1	22	40	58	6	22	87	39	37	29	42	108	37	
35 39	48	9	23	80	34	23	3	6	32	36	4	0	0	4	36	3	0	*	3	36	45	4	14	63	35	47	17	45	110	34	
30 34	28	4	11	44	30	7	1	2	9	31	0	0	0	0	0	*	0	0	*	32	21	3	7	31	31	60	12	34	106	30	
25 29	11	2	3	15	26	*	0	0	*	27	0	0	0	0	0	0	0	0	0	0	4	0	*	5	27	38	4	17	59	26	
20 24	2	0	2	4	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	22	25	3	8	35	21	
15 19	1	0	*	1	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	1	3	11	17	
10 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	13	
5 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5 -1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-10 -6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-15 -11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-20 -16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-25 -21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-30 -26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-35 -31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-40 -36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-45 -41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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STATION : BOZEMAN AIRPORT

WBAN NO. : 24132 YEARS : 1948 - 1954
 LAT 45 47N LON 111 09W ELEV 4452 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** NOVEMBER **					** DECEMBER **					** JANUARY **					** FEBRUARY **					** MARCH **					** APRIL **					** ANNUAL **									
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)									
	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)					
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4	63	
90 94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	6	27	61		
85 89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	18	74	60			
80 84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	119	44	164	58			
75 79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	3	53	1	177	69	247	57					
70 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	9	2	11	51	8	214	100	322	55						
65 69	0	1	0	1	48	0	0	0	0	0	0	0	0	0	0	0	*	0	*	48	0	*	0	48	0	16	5	20	48	31	228	140	400	53						
60 64	0	9	*	9	46	0	0	0	0	0	0	0	0	0	0	1	0	1	47	0	1	*	2	45	*	25	10	36	46	90	234	199	523	51						
55 59	*	15	3	18	44	0	0	0	0	0	0	1	0	1	43	0	2	*	2	45	0	3	1	4	44	2	28	15	45	44	171	205	237	614	48					
50 54	3	24	7	35	42	*	1	0	1	40	0	5	1	6	41	*	4	1	6	41	*	9	2	12	41	8	33	25	67	42	285	197	261	742	46					
45 49	6	32	15	53	39	1	6	2	9	38	4	8	3	15	39	3	11	4	18	38	1	18	6	26	38	19	38	34	90	39	324	201	241	766	42					
40 44	17	42	28	87	36	6	20	8	33	34	12	23	16	51	35	9	30	15	54	35	4	36	19	60	35	32	36	39	107	36	315	243	243	801	37					
35 39	30	34	44	109	33	13	35	18	66	32	21	24	20	66	32	17	36	29	82	32	19	51	31	101	32	46	27	42	115	33	316	242	273	830	33					
30 34	43	33	44	120	29	23	48	30	101	29	21	29	26	76	28	28	39	32	98	29	34	40	51	125	29	58	15	37	110	29	323	225	272	820	29					
25 29	48	20	42	111	25	37	45	44	126	25	17	31	23	71	24	25	31	34	90	25	47	30	44	120	25	46	9	22	76	25	273	172	229	673	25					
20 24	40	14	22	76	21	39	31	38	108	20	23	27	30	81	20	36	25	33	93	20	43	22	30	95	20	19	1	8	28	21	228	123	171	522	21					
15 19	18	7	12	37	16	35	17	31	83	16	26	19	22	67	16	30	14	24	68	16	27	13	16	56	16	9	0	*	9	16	154	71	107	332	16					
10 14	13	6	7	26	11	28	13	27	68	11	26	14	18	58	11	25	9	13	47	11	21	9	16	46	11	1	0	0	1	12	115	51	81	247	11					
5 9	9	2	7	18	7	16	13	17	46	6	17	14	14	45	6	15	9	11	35	6	18	7	11	35	6	0	0	0	0	0	74	44	59	178	6					
0 4	6	1	5	11	2	16	8	9	33	2	15	12	13	41	1	9	5	9	23	2	11	2	7	20	2	0	0	0	0	0	57	29	42	127	2					
-5 -1	2	*	3	5	-3	15	6	8	29	-3	11	12	15	38	-4	6	5	6	17	-3	8	2	4	14	-3	0	0	0	0	0	42	26	36	104	-3					
-10 -6	1	0	2	3	-7	8	3	8	19	-8	13	10	12	36	-8	8	1	4	14	-8	6	3	5	13	-9	0	0	0	0	0	36	17	31	85	-8					
-15 -11	1	0	*	2	-13	5	1	6	12	-13	11	12	12	35	-13	3	2	3	8	-13	5	*	2	7	-13	0	0	0	0	0	26	14	24	64	-13					
-20 -16	*	0	*	*	-16	4	*	3	7	-18	9	4	10	23	-17	3	1	4	7	-18	2	*	1	3	-18	0	0	0	0	0	17	5	18	41	-18					
-25 -21	0	0	0	0	0	1	*	*	1	-22	6	1	6	13	-23	4	*	1	5	-22	2	0	2	4	-23	0	0	0	0	0	13	1	9	24	-23					
-30 -26	0	0	0	0	0	1	0	*	1	-28	8	1	3	12	-28	1	*	*	2	-29	2	0	*	2	-28	0	0	0	0	0	12	1	4	17	-28					
-35 -31	0	0	0	0	0	0	0	0	0	0	3	*	1	5	-32	1	0	1	2	-33	*	0	0	*	-32	0	0	0	0	0	5	*	2	7	-32					
-40 -36	0	0	0	0	0	0	0	0	0	0	3	*	2	5	-38	1	0	0	1	-37	0	0	0	0	0	0	0	0	0	4	*	2	6	-38						
-45 -41	0	0	0	0	0	0	0	0	0	0	1	0	0	1	-42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	-42					

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STATION : BUTTE AIRPORT

WBAN NO. : 24135 YEARS : 1948 - 1983
 LAT 45 57N LON 112 30W ELEV 5541 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **					
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					
	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	
95 99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
90 94	0	0	0	0	0	0	0	0	0	0	0	3	1	4	59	0	1	0	1	58	0	1	*	1	56	0	0	0	0	0	
85 89	0	*	0	*	55	0	1	*	2	58	0	18	6	24	58	0	12	3	15	57	0	2	*	2	56	0	0	0	0	0	
80 84	0	2	*	3	54	0	8	2	10	57	0	39	18	57	57	0	34	13	47	55	0	11	3	14	55	0	0	0	0	0	
75 79	0	8	3	11	53	0	18	7	26	55	*	50	26	76	56	*	47	22	69	54	0	22	7	29	53	0	3	*	3	50	
70 74	0	17	6	22	51	*	32	16	48	53	1	47	31	78	54	1	49	29	79	53	0	30	13	43	51	0	10	2	12	49	
65 69	0	24	13	37	49	1	39	24	64	51	8	37	38	82	53	3	41	35	79	52	1	34	19	53	50	0	18	4	21	47	
60 64	2	32	20	54	47	6	44	32	82	50	22	26	45	93	51	11	32	43	85	50	2	31	25	58	48	1	25	9	35	46	
55 59	5	37	28	69	45	17	38	40	96	48	39	16	40	95	49	33	19	42	94	49	8	33	32	73	46	2	28	15	46	44	
50 54	17	39	35	91	43	45	28	50	123	46	65	10	28	102	47	56	8	36	100	46	21	28	38	87	44	5	30	23	57	42	
45 49	35	32	43	110	41	66	19	36	120	43	66	2	11	79	43	75	4	19	98	43	38	19	39	95	41	12	36	31	79	39	
40 44	49	26	41	116	38	59	10	24	92	39	37	1	4	42	39	50	1	5	56	39	55	14	32	101	38	27	36	41	104	36	
35 39	56	20	33	110	34	30	3	7	40	35	10	0	*	10	36	16	0	1	17	36	59	10	20	89	34	43	32	46	121	33	
30 34	56	9	21	86	30	14	*	2	16	31	1	0	0	1	32	3	0	0	3	32	45	5	11	61	30	68	18	43	130	30	
25 29	21	1	5	27	26	2	0	0	2	27	0	0	0	0	0	*	0	0	*	27	11	1	1	13	27	45	8	22	74	26	
20 24	4	*	*	5	21	0	0	0	0	0	0	*	0	*	20	0	0	0	0	0	2	0	1	2	23	28	2	7	37	21	
15 19	1	0	*	1	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	* 17	13	2	4	18	17		
10 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	2	6	12	
5 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	*	1	7	
0 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5 -1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-10 -6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-15 -11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-20 -16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-25 -21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-30 -26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-35 -31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-40 -36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-45 -41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION : BUTTE AIRPORT

WBAN NO. : 24135 YEARS : 1948 - 1983
 LAT 45 57N LON 112 30W ELEV 5541 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** NOVEMBER **					** DECEMBER **					** JANUARY **					** FEBRUARY **					** MARCH **					** APRIL **					** ANNUAL **									
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)									
	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)					
95 99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	5	59
85 89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	10	43	58					
80 84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	36	130	56					
75 79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	48	*	149	66	215	55					
70 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	48	2	186	97	285	53					
65 69	0	*	0	*	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	2	10	46	13	201	134	348	51					
60 64	0	2	0	2	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1	44	*	15	5	21	44	43	209	180	432	49					
55 59	0	7	1	8	42	0	*	0	*	39	0	0	0	0	0	0	*	*	1	42	0	3	1	4	43	*	20	11	32	42	104	202	210	516	47					
50 54	*	15	4	19	40	0	1	*	1	39	0	*	0	*	41	0	2	1	2	41	0	7	2	9	40	2	26	17	44	40	210	194	233	636	44					
45 49	4	24	12	39	38	1	4	2	8	38	*	4	1	6	38	*	5	2	7	38	*	17	6	23	37	8	34	27	69	38	305	201	227	732	41					
40 44	13	28	21	62	35	3	17	8	28	35	6	13	6	25	35	4	22	8	33	35	4	28	18	50	35	16	42	36	95	35	323	237	245	805	37					
35 39	23	42	32	97	32	13	32	22	67	32	12	22	18	51	32	12	29	23	64	32	12	42	30	85	32	37	39	46	122	32	323	272	278	874	33					
30 34	34	38	45	117	29	23	42	30	96	28	19	35	26	80	29	21	36	31	89	28	30	45	48	123	29	59	34	50	142	29	374	263	307	944	29					
25 29	43	33	46	122	25	36	47	44	127	24	22	32	32	87	24	29	39	35	104	24	48	41	47	137	25	62	13	31	105	25	319	215	264	798	25					
20 24	39	19	29	87	21	42	35	42	120	20	27	37	30	94	20	28	28	33	89	20	45	26	34	106	20	37	5	11	53	21	253	152	187	592	20					
15 19	28	12	16	56	16	32	22	29	83	16	31	27	34	92	16	30	21	33	84	16	28	14	23	65	16	12	1	3	16	16	175	99	141	415	16					
10 14	19	7	11	37	11	24	16	22	63	11	24	20	26	71	11	29	15	16	60	11	21	10	14	46	11	5	*	*	5	11	126	69	92	288	11					
5 9	12	4	8	24	6	23	11	15	49	6	24	17	18	58	6	17	9	14	41	6	17	6	9	32	6	2	0	*	2	7	95	47	64	206	6					
0 4	9	3	6	18	2	15	8	11	34	2	23	13	16	51	2	17	7	11	36	2	14	4	6	24	2	*	0	0	*	3	78	34	50	162	2					
-5 -1	7	2	5	14	-3	11	5	9	25	-3	17	12	12	40	-3	13	4	7	24	-3	11	3	4	18	-3	0	0	0	0	0	59	26	37	122	-3					
-10 -6	4	2	2	8	-8	10	4	7	20	-8	12	6	10	28	-8	7	2	4	14	-8	7	1	3	10	-8	0	0	0	0	0	39	15	25	80	-8					
-15 -11	3	1	2	5	-13	8	2	5	14	-13	8	5	6	19	-13	5	2	3	10	-13	5	1	1	6	-13	0	0	0	0	0	28	10	17	54	-13					
-20 -16	1	1	1	3	-18	5	*	1	6	-18	7	3	6	15	-18	5	1	1	7	-18	3	0	1	4	-18	0	0	0	0	0	21	4	10	36	-18					
-25 -21	*	*	1	1	-23	2	*	*	3	-22	7	2	4	12	-23	3	*	1	4	-23	1	*	*	2	-22	0	0	0	0	0	14	3	5	21	-23					
-30 -26	1	0	*	1	-28	*	0	0	*	-27	5	1	2	7	-28	2	0	*	2	-28	1	0	0	1	-28	0	0	0	0	0	8	1	3	12	-28					
-35 -31	*	*	0	*	-32	0	0	0	0	0	2	*	2	4	-33	1	*	*	1	-33	*	0	0	*	-32	0	0	0	0	0	3	1	2	6	-33					
-40 -36	0	0	0	0	0	0	0	0	0	0	1	0	*	2	-37	1	0	*	1	-37	*	0	0	*	-36	0	0	0	0	0	2	0	*	2	-37					
-45 -41	0	0	0	0	0	0	0	0	0	0	1	0	*	1	-42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	*	1	-42					

STATION : CUT BANK AIRPORT

WBAN NO. : 24137 YEARS : 1948 - 1983
 LAT 48 36N LON 112 22W ELEV 3839 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **				
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)				
	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)
110 114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
105 109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	67	0	0	0	0	0	0	0	0	0	
100 104	0	0	0	0	0	0	0	0	0	0	0	*	*	* 64	0	*	0	*	65	0	0	0	0	0	0	0	0	0	0	
95 99	0	0	0	0	0	0	0	0	0	0	0	1	*	1 64	0	1	*	1 63	0	*	0	*	63	0	0	0	0	0	0	
90 94	0	0	0	0	0	0	1	*	1 62	0	4	2	6	62	0	5	2	6	61	0	1	*	1 59	0	0	0	0	0	0	
85 89	0	*	*	* 58	0	3	1	5	60	0	19	8	26	62	0	18	7	25	60	0	5	1	6 58	0	0	0	0	0	0	
80 84	0	4	1	5 56	0	11	5	15 59	*	36	19	55	60	0	33	15	47 59	0	13	3	16 57	0	2	*	2 55					
75 79	0	11	5	15 55	*	22	11	32 58	1	47	28	76 59	1	40	22	62 58	*	21	7	27 56	0	5	1	5 53						
70 74	*	18	8	27 53	2	37	19	57 55	7	49	36	91 57	4	47	32	81 56	1	27	12	39 54	0	13	2	15 52						
65 69	1	29	15	45 51	7	45	30	82 53	19	44	45	107 55	14	46	41	99 54	3	35	22	58 52	*	18	5	23 50						
60 64	5	41	28	73 49	18	46	41	105 51	45	27	46	119 53	33	31	45	110 52	10	38	30	78 49	3	28	12	42 48						
55 59	14	43	35	92 46	39	35	46	121 49	65	12	36	114 51	60	14	43	119 50	23	33	38	94 47	11	33	21	64 45						
50 54	33	38	43	114 44	68	24	46	139 47	67	7	21	96 48	75	9	26	112 47	41	25	43	109 45	22	39	36	97 42						
45 49	49	29	44	123 41	64	11	28	105 44	35	1	6	43 44	45	4	12	62 44	53	16	32	102 42	32	37	41	110 40						
40 44	63	17	35	116 38	30	3	9	43 39	9	*	1	10 40	14	1	1	16 40	48	12	24	86 39	41	26	42	110 36						
35 39	45	11	21	78 34	9	1	2	12 36	1	0	0	1 36	2	0	*	3 36	35	8	15	59 35	41	17	34	94 33						
30 34	26	6	10	42 31	3	1	1	4 32	0	0	0	0 0	*	0	0	* 32	18	5	8	32 31	41	11	26	79 30						
25 29	7	1	2	11 26	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	7	1	2	11 26	27	8	13	49 26						
20 24	2	*	1	3 21	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	1	*	*	2 22	17	7	9	33 21						
15 19	*	0	*	1 16	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	*	0	0	* 16	10	2	5	17 17						
10 14	*	0	*	* 12	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	2	1	1	5 12						
5 9	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	*	*	*	1 7						
0 4	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	*	0	*	* 3						
-5 -1	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	*	0	*	* -3						
-10 -6	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	*	0	0	* -6						
-15 -11	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0						
-20 -16	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0						
-25 -21	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0						
-30 -26	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0						
-35 -31	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0						
-40 -36	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0						
-45 -41	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0						

STATION : DILLON, MONTANA AIRPORT

WBAN NO. : 24138
LAT 45 15N

YEARS : 1948 - 1973
LON 112 37W ELEV 5046 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **					
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					
	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	
	-08	-16	-24	ALL	(F)	-08	-16	-24	ALL	(F)	-08	-16	-24	ALL	(F)	-08	-16	-24	ALL	(F)	-08	-16	-24	ALL	(F)	-08	-16	-24	ALL	(F)	
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
95 99	0	0	0	0	0	0	0	0	0	0	0	1	*	1	62	0	1	*	1	62	0	0	0	0	0	0	0	0	0	0	
90 94	0	0	0	0	0	0	1	*	1	61	0	11	3	14	61	0	9	2	11	61	0	1	*	1	61	0	0	0	0	0	
85 89	0	1	*	1	57	0	7	2	9	59	0	35	13	47	60	0	29	11	39	59	0	6	1	6	58	0	0	0	0	0	
80 84	0	4	1	5	56	0	17	7	23	58	0	45	24	68	59	0	41	19	59	58	0	16	4	20	57	0	1	0	1	55	
75 79	0	12	4	15	54	0	27	14	40	56	1	49	31	79	57	*	48	28	75	57	*	26	9	34	55	0	6	*	6	53	
70 74	0	23	9	31	52	1	38	21	59	55	5	47	37	88	56	3	43	32	77	55	*	32	14	45	53	0	15	3	18	52	
65 69	1	34	17	51	50	5	42	27	73	53	20	31	44	95	54	12	36	41	88	53	1	37	22	59	51	*	24	6	30	49	
60 64	3	42	26	70	48	15	41	38	94	51	43	17	43	105	52	34	24	46	105	51	6	36	32	75	49	1	31	13	44	47	
55 59	13	40	35	87	46	38	31	43	113	49	68	7	32	108	50	63	11	38	113	49	23	31	41	94	47	4	35	22	59	45	
50 54	32	36	42	110	44	61	20	42	124	47	64	3	15	83	47	71	4	21	97	46	44	23	40	107	44	11	37	33	81	42	
45 49	48	28	44	120	41	65	11	30	107	44	35	1	6	42	43	46	2	8	57	43	56	15	33	106	41	33	34	40	107	39	
40 44	59	18	36	114	38	39	4	12	55	40	11	*	1	12	39	15	*	2	18	40	55	9	23	87	38	50	29	45	123	36	
35 39	51	8	22	82	34	13	1	3	17	35	2	0	0	2	35	3	*	*	3	36	32	5	13	50	34	56	18	34	109	33	
30 34	30	3	10	43	30	4	0	1	4	31	*	0	0	*	32	1	0	0	1	32	17	3	6	26	30	43	11	28	83	29	
25 29	9	*	2	12	26	*	0	0	*	27	0	0	0	0	0	0	0	0	0	0	5	*	2	8	26	29	5	15	49	25	
20 24	1	*	*	2	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	*	1	22	14	2	5	22	21	
15 19	1	0	*	1	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	*	17	6	1	2	9	16	
10 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	1	3	12
5 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	*	8	
0 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	*	2	
-5 -1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-10 -6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-15 -11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-20 -16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-25 -21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-30 -26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-35 -31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-40 -36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION : DILLON, MONTANA AIRPORT

WBAN NO. : 24138 YEARS : 1948 - 1973
LAT 45 15N LON 112 37W ELEV 5046 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** NOVEMBER **					** DECEMBER **					** JANUARY **					** FEBRUARY **					** MARCH **					** APRIL **					** ANNUAL **				
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)				
	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB
	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
95 99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
90 94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	6	27	61			
85 89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	27	103	60			
80 84	*	0	0	*	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	124	55	176	58				
75 79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1	52	1	169	86	251	56					
70 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	8	49	9	205	117	327	54					
65 69	0	*	0	*	47	0	0	0	0	0	0	0	0	0	*	0	0	*	6	0	1	*	1	47	0	12	4	15	47	39	217	160	413	52	
60 64	0	5	*	5	45	0	0	0	0	0	0	0	0	0	0	*	0	*	44	0	3	1	4	45	*	19	8	27	45	104	218	208	528	50	
55 59	0	11	1	11	43	0	*	0	*	41	0	0	0	0	0	0	2	*	2	43	0	8	3	10	43	1	25	14	39	43	210	201	227	638	47
50 54	1	22	5	28	41	*	2	*	2	40	*	2	*	2	41	0	7	2	9	41	*	15	5	20	40	5	37	25	66	41	289	208	229	728	44
45 49	5	31	16	50	38	1	10	2	13	38	*	8	2	10	38	1	17	6	23	38	2	27	13	41	37	17	41	35	93	38	308	225	234	769	41
40 44	17	42	32	91	35	4	27	8	38	35	5	22	8	35	35	6	28	14	47	35	8	38	25	70	35	32	40	43	115	35	300	257	248	806	36
35 39	39	38	45	123	32	16	39	26	81	32	12	31	24	66	32	17	37	31	84	32	24	43	37	104	32	47	31	42	121	32	312	251	277	841	33
30 34	48	35	43	126	29	33	48	43	124	28	25	38	32	95	28	31	37	39	107	28	41	42	51	134	28	57	18	38	115	29	329	236	290	857	29
25 29	40	24	38	102	25	46	43	50	139	24	34	36	36	106	24	42	32	38	112	24	50	26	43	120	24	47	7	20	76	25	303	174	243	724	25
20 24	36	14	25	76	20	47	30	41	119	20	35	28	39	102	20	36	22	32	90	20	43	17	26	87	20	24	2	8	35	21	237	116	176	533	20
15 19	22	7	14	43	16	34	17	30	81	16	36	20	29	86	15	27	15	21	64	16	29	11	17	58	16	6	*	2	8	16	161	72	115	350	16
10 14	15	4	9	28	11	23	11	18	52	11	27	14	20	62	11	21	10	14	45	11	20	7	10	38	11	2	0	*	2	12	110	47	72	230	11
5 9	8	2	5	15	6	18	7	12	37	6	18	14	15	47	6	14	7	11	33	6	11	4	7	22	6	*	0	0	*	8	69	35	50	155	6
0 4	4	2	3	8	2	9	5	7	20	2	15	10	11	36	1	12	6	9	27	1	9	2	5	16	2	0	0	0	0	0	49	25	34	108	2
-5 -1	2	1	2	5	-3	7	4	6	17	-3	12	9	9	30	-4	7	2	4	13	-4	5	1	3	9	-3	0	0	0	0	0	34	17	24	76	-4
-10 -6	1	1	2	4	-8	5	2	3	9	-8	9	8	10	27	-9	4	1	2	8	-9	4	1	1	6	-8	0	0	0	0	0	24	13	17	54	-8
-15 -11	1	*	1	2	-13	3	1	2	6	-13	6	3	6	16	-13	2	1	1	4	-13	1	*	1	2	-13	0	0	0	0	0	14	5	10	30	-13
-20 -16	1	*	*	1	-18	1	*	1	3	-18	5	3	5	13	-18	1	*	*	1	-18	*	0	*	*	-18	0	0	0	0	0	8	3	6	18	-18
-25 -21	1	0	*	1	-23	1	*	*	1	-23	5	1	3	9	-23	1	0	*	1	-23	*	0	0	*	-22	0	0	0	0	0	7	1	4	12	-23
-30 -26	*	0	*	*	-27	*	0	*	1	-26	3	*	1	4	-28	3	0	0	*	-27	0	0	0	0	0	0	0	0	0	0	3	*	1	5	-28
-35 -31	0	0	0	0	0	0	0	0	0	0	*	0	0	0	-31	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	*	-31
-40 -36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION : DRUMMOND AIRPORT

WBAN NO. : 24139 YEARS : 1948 - 1954
LAT 46 40N LON 113 09W ELEV 3944 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **					
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					
	01	09	17		MCWB	01	09	17		MCWB	01	09	17		MCWB	01	09	17		MCWB	01	09	17		MCWB	01	09	17		MCWB	
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
95 99	0	0	0	0	0	0	0	0	0	0	0	*	0	*	66	0	*	0	*	63	0	0	0	0	0	0	0	0	0	0	
90 94	0	0	0	0	0	0	0	0	0	0	0	4	*	4	64	0	2	1	3	63	0	1	*	1	63	0	0	0	0	0	
85 89	0	1	0	1	60	0	1	*	2	63	0	22	6	28	63	0	12	2	13	62	0	3	1	4	60	0	0	0	0	0	
80 84	0	4	1	5	57	0	6	1	7	62	0	39	15	54	61	0	30	9	40	60	0	10	1	11	58	0	0	0	0	0	
75 79	0	10	2	12	56	0	16	4	20	60	0	45	24	69	59	0	46	16	62	59	0	22	5	27	57	0	1	0	1	55	
70 74	0	17	6	23	55	0	33	12	45	57	1	52	28	80	57	*	51	22	73	57	0	30	9	39	55	0	7	*	7	54	
65 69	0	31	11	43	52	1	46	19	66	54	9	40	31	80	55	4	40	29	73	55	*	42	12	54	53	0	16	1	17	52	
60 64	1	36	16	54	50	7	44	31	82	52	22	27	34	82	53	13	35	36	84	53	1	39	23	64	51	0	22	5	28	49	
55 59	5	43	28	77	48	21	38	41	100	50	39	13	43	95	51	28	23	46	98	51	6	33	35	74	49	*	35	8	43	47	
50 54	23	42	44	109	46	47	30	53	130	48	57	4	38	100	48	56	8	46	110	48	23	30	39	91	46	3	42	19	64	44	
45 49	46	31	48	126	42	64	19	41	123	44	56	1	19	76	44	66	1	31	98	45	37	15	43	94	43	16	42	33	91	41	
40 44	51	21	42	114	38	55	5	26	86	40	43	*	8	52	41	55	0	8	62	41	51	10	34	95	39	29	40	44	113	38	
35 39	58	9	31	98	35	28	1	10	39	36	19	0	*	20	36	23	0	1	24	37	58	6	24	88	35	38	25	49	112	34	
30 34	40	2	14	56	31	13	0	2	15	32	3	0	0	3	32	3	0	0	3	33	48	1	11	60	31	52	11	47	110	31	
25 29	15	*	3	19	26	4	0	0	4	27	0	0	0	0	0	0	0	0	0	0	13	0	1	15	27	44	6	26	75	26	
20 24	7	0	*	7	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	*	3	23	37	1	12	50	22	
15 19	1	0	*	1	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	1	4	27	17	
10 14	*	0	0	*	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	*	6	13	
5 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	*	8	
0 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5 -1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-10 -6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-15 -11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-20 -16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-25 -21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-30 -26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-35 -31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION : DRUMMOND AIRPORT

WBAN NO. : 24139 YEARS : 1948 - 1954
LAT 46 40N LON 113 09W ELEV 3944 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** NOVEMBER **					** DECEMBER **					** JANUARY **					** FEBRUARY **					** MARCH **					** APRIL **					** ANNUAL **					
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					
	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
95 99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
90 94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	8	64	
85 89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	9	48	62	
80 84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	56	0	89	28	117	60		
75 79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	54	0	141	52	193	58		
70 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	8	51	1	197	78	276	56		
65 69	0	1	0	1	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	14	3	17	49	13	230	108	351	54		
60 64	0	2	0	2	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	8	29	47	44	227	154	426	52		
55 59	0	7	*	7	45	0	0	0	0	0	0	0	0	0	0	1	0	1	44	0	2	*	2	45	1	30	12	43	44	101	224	214	539	49		
50 54	1	16	3	19	43	0	1	0	1	39	*	2	*	2	44	*	1	0	1	42	0	5	1	6	42	3	35	18	56	42	214	214	262	689	46	
45 49	3	27	7	37	40	0	3	*	3	38	1	4	2	8	41	1	5	1	6	39	*	19	4	23	39	12	42	31	85	39	302	208	261	771	42	
40 44	10	40	17	67	37	4	10	6	20	36	3	12	6	21	37	7	24	7	37	36	3	39	15	57	36	28	37	38	102	36	338	238	251	827	38	
35 39	29	51	42	121	34	14	33	16	63	33	17	35	22	73	33	14	40	25	80	33	15	53	38	106	33	38	31	49	117	33	352	282	308	942	34	
30 34	49	38	57	144	30	25	51	33	109	29	35	33	35	103	30	29	54	42	125	29	44	52	56	152	29	58	18	43	119	29	399	261	340	999	30	
25 29	41	25	42	109	26	40	50	45	134	25	21	28	23	71	25	38	34	43	115	25	54	28	50	131	25	50	3	25	78	25	320	174	257	751	25	
20 24	38	14	28	80	21	42	36	44	123	21	23	27	31	81	20	36	22	36	94	21	43	17	28	88	21	30	1	8	39	21	257	118	188	564	21	
15 19	27	9	14	50	17	39	20	36	95	16	24	23	19	66	16	24	15	20	58	16	27	13	16	56	16	14	*	3	17	17	179	81	112	372	16	
10 14	17	6	11	34	12	23	14	20	58	12	27	18	22	66	11	24	10	17	51	12	16	10	16	42	11	5	0	*	5	12	118	58	87	263	12	
5 9	8	3	7	18	7	17	11	15	42	7	15	14	18	48	6	17	6	10	33	7	14	6	10	31	7	*	0	0	*	7	72	41	61	173	7	
0 4	9	1	3	14	2	12	7	8	28	2	18	14	19	51	2	9	5	7	21	2	11	2	9	22	2	*	0	0	*	1	61	29	47	137	2	
-5 -1	3	1	2	5	-3	11	5	5	21	-3	18	13	12	43	-3	6	4	5	15	-3	11	1	4	16	-3	0	0	0	0	0	49	24	28	100	-3	
-10 -6	2	*	5	8	-8	7	5	7	19	-8	8	11	9	29	-8	7	2	6	15	-8	8	1	2	10	-8	0	0	0	0	0	32	19	29	80	-8	
-15 -11	2	0	*	3	-13	4	2	6	12	-13	8	9	11	29	-13	6	1	3	10	-13	2	0	*	2	-12	0	0	0	0	0	23	12	21	56	-13	
-20 -16	1	0	0	1	-16	5	1	4	10	-18	11	3	8	21	-18	4	1	1	6	-18	0	0	0	0	0	0	0	0	0	0	0	20	5	12	38	-18
-25 -21	0	0	0	0	0	4	*	2	6	-23	8	2	8	17	-23	3	0	1	4	-23	0	0	0	0	0	0	0	0	0	0	0	15	2	10	26	-23
-30 -26	0	0	0	0	0	*	0	0	*	-26	5	1	2	8	-28	*	0	0	*	-27	0	0	0	0	0	0	0	0	0	0	6	1	2	8	-28	
-35 -31	0	0	0	0	0	0	0	0	0	0	4	*	1	5	-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	*	1	5	-33	

STATION: GLASGOW AFB MONTANA

LAT48 25 N

LON106 32 W

ELEV2760 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **														
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)														
	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB										
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
95 99	0	0	0	0	0	0	0	0	0	64	0	3	2	5	66	0	3	1	4	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
90 94	0	0	0	0	61	0	1	0	1	64	0	14	6	20	65	0	15	6	21	62	0	1	0	1	63	0	0	0	0	0	0	0	0	0	0	0	0	0		
85 89	0	1	0	1	62	0	8	4	12	62	0	32	18	50	63	0	29	13	42	62	0	7	2	9	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
80 84	0	6	3	9	59	0	19	9	28	60	2	49	29	80	62	1	40	22	63	60	0	12	4	16	59	0	1	0	1	56	0	1	0	1	56	0	1	56		
75 79	0	13	7	20	56	2	37	21	60	59	8	60	45	113	60	7	47	38	92	58	0	20	10	30	57	0	4	1	5	53	0	4	1	5	53	0	4	1	5	53
70 74	0	20	11	31	54	5	42	30	77	57	27	47	46	120	59	19	43	43	105	57	1	30	16	47	55	0	15	3	17	53	0	15	3	17	53	0	15	3	17	53
65 69	4	29	22	55	52	20	50	40	110	55	59	24	49	132	57	40	29	43	112	55	6	32	28	66	53	0	15	7	22	51	0	15	7	22	51	0	15	7	22	51
60 64	10	38	29	77	49	42	40	46	128	54	71	13	34	118	55	61	25	38	124	53	21	34	33	88	50	2	30	16	48	48	2	30	16	48	48	2	30	16	48	48
55 59	24	41	41	106	47	64	25	44	133	51	55	4	15	74	52	64	12	28	104	51	34	32	36	102	48	10	38	26	74	46	10	38	26	74	46	10	38	26	74	46
50 54	41	39	41	121	45	61	15	31	107	48	20	1	4	25	48	39	4	12	55	47	48	27	41	116	45	25	40	41	106	43	25	40	41	106	43	25	40	41	106	43
45 49	56	32	43	131	42	37	3	12	52	44	4	0	1	5	45	14	1	4	19	43	51	23	29	103	42	38	40	40	118	40	38	40	40	118	40	38	40	40	118	40
40 44	59	17	32	108	39	9	0	2	11	40	1	0	0	1	39	3	0	0	3	40	39	11	21	71	38	55	29	43	127	37	55	29	43	127	37	55	29	43	127	37
35 39	35	8	12	55	34	1	0	0	1	35	0	0	0	0	0	0	0	0	0	38	23	7	12	42	34	50	18	39	107	33	50	18	39	107	33	50	18	39	107	33
30 34	14	3	4	21	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	3	5	20	30	41	12	19	72	30	41	12	19	72	30	41	12	19	72	30
25 29	2	0	2	4	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	2	6	24	18	5	7	30	25	18	5	7	30	25	18	5	7	30	25
20 24	2	0	0	2	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	22	6	3	5	14	22	6	3	5	14	22	6	3	5	14	22
15 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	4	17	2	0	2	4	17	2	0	2	4	17
10 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	12	1	0	0	1	12	1	0	0	1	12

STATION: GLASGOW AFB MONTANA

LAT 48 25 N LON 106 32 W ELEV 2760 Ft

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF OAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** NOVEMBER **					** DECEMBER **					** JANUARY **					** FEBRUARY **					** MARCH **					** APRIL **					** ANNUAL **						
	TIME OF OAY (LST)				MCWB (F)	TIME OF OAY (LST)				MCWB (F)	TIME OF DAY (LST)				MCWB (F)	TIME OF DAY (LST)				MCWB (F)	TIME OF OAY (LST)				MCWB (F)	TIME OF OAY (LST)				MCWB (F)							
	01	09	17	ALL		01	09	17	ALL		01	09	17	ALL		01	09	17	ALL		01	09	17	ALL		01	09	17	ALL		01	09	17	ALL			
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67
95 99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	
90 94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	
85 89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	
80 84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	
75 79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	
70 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	
65 69	0	1	0	1	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	
60 64	0	2	0	2	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	
55 59	0	4	1	5	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	
50 54	0	13	4	17	42	0	1	0	1	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	
45 49	2	20	8	30	39	1	5	1	7	39	0	1	0	1	38	0	3	2	5	41	2	20	14	36	39	18	35	35	88	39	223	183	189	595	41		
40 44	15	26	23	64	36	3	15	7	25	36	2	8	4	14	36	2	8	8	18	37	9	26	22	57	36	34	30	35	99	36	231	170	197	598	37		
35 39	23	36	32	91	32	14	18	18	50	32	11	18	11	40	33	9	16	16	41	33	25	33	27	85	33	49	35	40	124	33	240	189	207	636	33		
30 34	38	44	47	129	29	23	31	25	79	29	14	23	23	60	29	18	28	28	74	30	38	32	38	108	29	61	31	43	135	30	259	207	232	698	29		
25 29	50	29	41	120	25	32	32	34	98	25	20	21	25	66	25	26	28	27	81	26	43	24	31	98	25	40	15	20	75	25	234	155	189	578	25		
20 24	42	19	30	91	21	31	29	34	94	21	25	16	20	61	21	34	26	30	90	21	25	27	23	75	21	20	6	9	35	21	186	126	151	463	21		
15 19	18	12	13	43	16	29	26	30	85	16	25	26	21	72	16	26	19	22	67	16	25	18	22	65	16	7	1	2	10	17	132	102	112	346	16		
10 14	14	12	12	38	11	25	17	19	61	12	21	21	24	66	12	21	25	16	62	12	22	14	19	55	12	2	0	1	3	12	106	89	91	286	12		
5 9	13	9	12	34	7	23	17	21	61	7	24	19	19	62	7	19	21	18	58	7	15	9	10	34	7	0	0	0	0	8	94	75	80	249	7		
D 4	12	7	10	29	2	19	23	17	59	1	22	26	29	77	2	21	20	19	60	2	10	10	11	31	1	1	0	0	1	0	85	86	86	257	2		
-5 -1	5	4	3	12	-3	15	15	15	45	-3	21	22	20	63	-3	17	12	16	45	-3	10	7	8	25	-4	0	0	0	0	0	68	60	62	190	-3		
-10 -6	3	2	4	9	-8	11	8	13	32	-8	20	23	17	60	-9	13	10	15	38	-8	10	6	7	23	-8	0	0	0	0	0	57	49	56	162	-8		
-15 -11	2	1	0	3	-13	10	7	9	26	-13	18	14	20	52	-13	13	3	5	21	-13	9	1	4	14	-13	0	0	0	0	0	52	26	38	116	-13		
-20 -16	1	0	0	1	-18	7	3	3	13	-18	16	8	12	36	-18	3	1	2	6	-18	4	0	1	5	-18	0	0	0	0	0	31	12	18	61	-18		
-25 -21	0	0	0	0	0	2	1	3	6	-23	7	2	2	11	-22	1	1	0	2	-23	1	0	0	1	-21	0	0	0	0	0	11	4	5	20	-22		
-30 -26	0	0	0	0	0	2	0	1	3	-28	1	1	0	2	-27	0	0	1	1	-28	0	0	0	0	0	0	0	0	0	0	3	1	2	6	-28		
-35 -31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-34	1	0	0	1	-32	0	0	0	0	0	0	0	0	0	0	1	0	0	1	-33		
-40 -36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

STATION : GREAT FALLS AIRPORT

WBAN NO. : 24143
LAT 47 29N

YEARS : 1948 - 1985
LON 111 22W ELEV 3665 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **																				
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)																				
	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)																
105 109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
100 104	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	65	0	1	*	1	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
95 99	0	0	0	0	0	0	*	*	*	* 62	0	3	2	5	63	0	3	1	4	62	0	*	*	*	*	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
90 94	0	*	*	*	58	0	3	1	4	61	0	16	9	25	62	0	13	6	19	61	0	3	1	3	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
85 89	0	2	1	2	58	0	8	4	12	61	*	31	17	47	61	0	29	14	42	60	0	8	3	11	58	0	*	0	*	55	0	*	0	*	55	0	*	0	*	55						
80 84	0	8	4	12	57	*	19	9	28	59	1	48	29	77	60	*	39	23	62	58	0	16	6	22	57	0	3	1	3	55	0	9	1	10	53	0	9	1	10	53						
75 79	*	15	7	22	55	1	31	18	49	57	6	48	38	91	58	3	44	32	78	57	*	24	12	35	55	0	9	1	10	53	0	9	1	10	53	0	9	1	10	53						
70 74	1	23	14	37	53	4	40	28	72	55	20	44	45	109	56	16	45	44	103	55	3	32	22	55	53	0	17	4	21	52	0	17	4	21	52	0	17	4	21	52						
65 69	4	31	23	57	51	13	43	38	93	53	39	29	42	109	55	31	33	44	108	54	10	35	29	74	51	1	25	10	35	49	1	25	10	35	49	1	25	10	35	49						
60 64	12	41	31	83	49	33	42	43	118	51	62	16	34	113	53	59	21	39	120	52	22	35	38	95	49	9	32	21	61	47	9	32	21	61	47	9	32	21	61	47						
55 59	25	42	40	106	46	58	27	44	130	50	65	8	20	95	51	70	12	26	109	50	39	27	38	104	47	20	36	30	86	45	20	36	30	86	45	20	36	30	86	45						
50 54	46	35	45	126	44	67	16	35	118	47	41	4	10	56	48	47	7	14	69	48	50	22	32	104	45	35	39	43	116	42	35	39	43	116	42	35	39	43	116	42						
45 49	56	24	38	119	41	44	7	16	68	43	13	*	2	15	44	18	2	5	26	44	48	16	26	90	42	43	30	39	113	40	43	30	39	113	40	43	30	39	113	40						
40 44	54	15	27	97	38	16	2	4	21	40	1	*	*	1	41	3	*	*	4	40	34	10	18	62	39	43	21	37	103	37	43	21	37	103	37	43	21	37	103	37						
35 39	32	7	13	53	34	3	1	1	5	36	0	0	0	0	0	*	0	0	*	37	20	7	9	37	35	38	13	26	78	33	38	13	26	78	33	38	13	26	78	33						
30 34	15	4	5	25	31	1	*	*	1	32	0	0	0	0	0	0	0	0	0	0	10	5	6	21	31	32	11	19	62	30	32	11	19	62	30	32	11	19	62	30						
25 29	3	1	1	5	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	2	5	27	16	7	8	31	26	16	7	8	31	26	16	7	8	31	26						
20 24	*	*	*	1	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	*	22	7	3	5	14	22	7	3	5	14	22	7	3	5	14	22						
15 19	*	*	*	1	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2	7	17	3	2	2	7	17	3	2	2	7	17					
10 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1	3	11	1	*	1	3	11	1	*	1	3	11					
5 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	1	7	*	*	*	1	7	*	*	*	1	7					
0 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	0	*	0	*	*	0	*	*	0	*	*	0	*	*	0			
-5 -1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	*	-4	*	*	*	*	-4	*	*	*	*	-4					
-10 -6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	*	-7	*	0	*	*	-7	*	0	*	*	-7					
-15 -11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
-20 -16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
-25 -21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-30 -26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-35 -31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-40 -36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION : HAVRE AIRPORT

WBAN NO. : 94012
LAT 48 33N

YEARS : 1966 - 1983
LON 109 46W ELEV 2585 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **					
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					
	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	
110 114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
105 109	0	0	0	0	0	0	0	0	0	0	0	0	*	67	0	*	1	1	67	0	0	0	0	0	0	0	0	0	0		
100 104	0	0	0	0	0	0	0	0	0	0	0	1	*	66	0	2	1	3	66	0	*	0	*	65	0	0	0	0	0		
95 99	0	0	0	0	0	0	1	1	2	63	0	7	5	12	65	0	11	7	18	64	0	2	1	2	64	0	0	0	0		
90 94	0	1	*	1	61	0	5	4	9	64	0	21	15	34	64	0	24	14	37	63	0	5	2	7	61	0	*	0	*	59	
85 89	0	2	1	3	60	0	15	6	20	63	*	37	18	52	62	*	41	18	56	62	0	9	5	13	59	0	*	*	1	58	
80 84	0	9	5	13	57	*	27	15	39	60	2	53	33	84	61	1	46	26	69	60	0	17	9	25	58	0	2	1	3	55	
75 79	*	21	11	29	56	2	42	27	68	59	7	52	41	98	59	5	46	33	81	59	*	32	14	44	56	0	6	2	7	54	
70 74	1	28	17	43	54	8	43	32	80	57	20	39	37	94	58	16	33	42	90	57	1	34	20	53	54	0	13	3	15	52	
65 69	4	42	24	65	51	18	46	39	101	54	38	20	35	95	57	38	25	43	108	55	5	34	25	62	52	*	20	7	25	50	
60 64	10	43	35	84	49	34	29	40	104	53	55	10	30	99	54	55	11	31	100	54	15	36	33	83	50	2	33	13	44	48	
55 59	26	36	41	102	47	54	18	39	115	51	59	5	22	90	52	62	6	21	93	51	27	25	36	88	48	6	38	23	64	45	
50 54	50	27	48	129	45	66	10	28	109	48	46	4	10	62	48	48	3	10	64	47	54	19	38	114	45	16	43	41	98	43	
45 49	56	17	31	108	42	42	3	8	56	44	19	0	1	21	44	17	*	1	19	43	54	12	26	96	42	34	34	44	113	41	
40 44	47	11	22	84	38	12	0	1	14	40	3	0	0	3	41	4	0	0	4	39	39	6	17	64	38	40	23	40	106	38	
35 39	34	8	9	54	34	4	0	*	5	36	0	0	0	0	0	1	0	0	1	35	28	7	11	47	34	55	18	34	110	34	
30 34	16	3	5	25	31	*	0	0	*	30	0	0	0	0	0	0	0	0	0	0	13	2	3	18	30	45	12	25	85	30	
25 29	3	*	*	4	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	4	27	31	3	12	48	26	
20 24	*	0	0	*	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	*	22	13	2	3	19	21	
15 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	1	4	16	
10 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	*	1	11	
5 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	6	
0 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	*	2	
-5 -1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-10 -6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-15 -11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-20 -16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-25 -21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-30 -26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-35 -31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-40 -36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-45 -41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-50 -46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION: HELENA MONTANA

LAT 46 36 N

LON 112 00 W

ELEV 3828 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **				
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)				
	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)	01	09	17	ALL	MCWB (F)
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	61	0	0	0	0	0	0	0	0	0	0	
95 99	0	0	0	0	0	0	0	0	0	58	0	3	1	4	61	0	1	1	2	60	0	0	0	0	61	0	0	0	0	
90 94	0	0	0	0	0	0	2	1	3	59	0	13	7	20	61	0	9	4	13	60	0	2	0	2	60	0	0	0	0	
85 89	0	1	0	1	58	0	7	3	10	59	0	33	19	52	60	0	23	13	36	59	0	5	2	7	58	0	0	0	0	
80 84	0	5	2	7	56	0	14	8	22	58	0	43	27	70	59	0	36	20	56	58	0	13	5	18	57	0	1	0	1	
75 79	0	11	6	17	55	0	29	18	47	57	1	46	32	79	58	0	46	30	76	57	0	22	10	32	55	0	6	1	7	
70 74	0	23	12	35	53	1	39	23	63	55	8	45	43	96	56	5	47	39	91	55	0	31	17	48	54	0	12	4	16	
65 69	0	33	21	54	51	5	45	36	86	53	29	33	44	106	55	21	38	45	104	54	3	34	27	64	52	0	21	8	29	
60 64	5	40	27	72	49	25	42	42	109	51	61	18	38	117	53	46	26	40	112	52	8	36	35	79	50	2	28	14	44	
55 59	18	44	41	103	47	53	32	45	130	49	73	9	23	105	50	69	15	34	118	50	26	36	41	103	47	7	35	26	68	
50 54	39	37	44	120	44	72	22	39	133	47	52	3	10	65	47	65	5	15	85	47	45	26	37	108	45	15	40	36	91	
45 49	60	30	44	134	41	53	6	16	75	43	19	1	2	22	44	32	1	5	38	44	59	19	31	109	42	34	40	45	119	
40 44	67	13	33	113	38	22	2	6	30	39	5	0	0	5	41	7	0	1	8	40	52	9	21	82	38	46	28	47	121	
35 39	37	6	11	54	34	7	1	2	10	35	0	0	0	0	36	1	0	0	1	36	30	6	8	44	34	57	17	31	105	
30 34	16	4	5	25	31	2	0	0	2	32	0	0	0	0	0	0	0	0	0	0	13	2	4	19	30	43	13	21	77	
25 29	3	0	1	4	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	4	27	27	4	11	42	
20 24	1	0	0	1	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	13	2	3	18	
15 19	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	5
10 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1

STATION: HELENA MONTANA

LAT 46 36 N LON 112 00W ELEV 3828 Ft

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** NOVEMBER **					** DECEMBER **					** JANUARY **					** FEBRUARY **					** MARCH **					** APRIL **					** ANNUAL **							
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)							
	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB			
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
95 99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
90 94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	
85 89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	59		
80 84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	58			
75 79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4	52	1	163	98	262	57				
70 74	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	5	3	8	50	14	202	141	357	55					
65 69	0	1	0	1	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0	2	1	3	47	0	11	6	17	48	58	218	188	464	53			
60 64	0	3	1	4	46	0	0	0	0	0	0	0	0	0	46	0	1	0	1	46	0	5	2	7	45	0	20	10	30	46	147	219	209	575	50			
55 59	1	9	5	15	44	0	0	0	0	43	0	1	0	1	43	1	2	1	4	44	0	8	4	12	43	2	25	16	43	44	250	216	236	702	48			
50 54	4	18	8	30	41	0	3	1	4	40	1	5	2	8	41	0	7	3	10	41	1	17	8	26	41	9	34	29	72	41	303	217	232	752	45			
45 49	9	30	15	54	39	6	12	9	27	38	3	9	6	18	38	3	14	8	25	38	4	27	20	51	38	17	44	38	99	39	299	233	239	771	41			
40 44	21	43	37	101	35	13	24	14	51	35	10	19	17	46	35	10	23	19	52	35	12	39	30	81	35	35	40	43	118	35	300	240	268	808	36			
35 39	34	37	43	114	32	23	43	31	97	32	20	29	27	76	32	23	44	36	103	32	29	45	46	120	32	59	30	44	133	33	320	258	279	857	33			
30 34	39	31	37	107	29	38	43	42	123	28	26	30	30	86	28	38	39	46	123	28	58	36	52	146	29	58	19	28	105	29	331	217	265	813	29			
25 29	40	23	32	95	25	36	34	39	109	25	25	27	28	80	24	43	25	34	102	25	52	22	28	102	25	33	8	15	56	25	262	143	189	594	25			
20 24	31	15	20	66	21	33	25	36	94	20	27	22	24	73	20	24	18	19	61	21	29	14	17	60	20	20	1	6	27	21	178	97	125	400	21			
15 19	23	11	14	48	16	34	22	25	81	16	25	20	21	66	16	22	15	14	51	16	19	11	12	42	16	6	0	1	7	16	132	80	88	300	16			
10 14	15	7	10	32	11	22	13	16	51	11	23	19	17	59	11	15	11	13	39	11	14	7	8	29	11	1	0	0	1	11	91	57	64	212	11			
5 9	8	5	6	19	7	14	9	10	33	6	16	13	17	46	6	14	10	10	34	6	8	6	8	22	6	1	0	0	1	7	61	43	51	155	6			
0 4	6	3	4	13	2	10	6	8	24	2	16	13	11	40	1	11	7	9	27	1	7	3	3	13	1	0	0	0	0	3	50	32	35	117	1			
-5 -1	3	2	3	8	-3	6	5	6	17	-3	15	11	10	36	-3	7	4	6	17	-3	5	3	3	11	-3	0	0	0	0	0	36	25	28	89	-3			
-10 -6	3	2	2	7	-8	2	4	4	10	-8	10	13	11	34	-8	7	1	3	11	-8	4	2	2	8	-8	0	0	0	0	0	26	22	22	70	-8			
-15 -11	1	1	1	3	-13	7	3	3	13	-13	9	7	10	26	-13	2	1	1	4	-13	2	2	2	6	-13	0	0	0	0	0	21	14	17	52	-13			
-20 -16	1	0	1	2	-18	2	1	2	5	-18	10	7	10	27	-18	2	1	0	3	-17	2	0	1	3	-18	0	0	0	0	0	17	9	14	40	-18			
-25 -21	1	0	0	1	-22	1	0	0	1	-22	7	2	4	13	-23	1	0	0	1	-23	1	0	0	1	-23	0	0	0	0	0	11	2	4	17	-23			
-30 -26	0	0	0	0	-28	0	0	0	0	-28	3	0	1	4	-28	1	0	0	1	-27	0	0	0	0	-27	0	0	0	0	0	4	0	1	5	-28			
-35 -31	0	0	0	0	-34	0	0	0	0	-33	1	0	1	2	-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	-33			
-40 -36	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0			

STATION : KALISPELL AIRPORT

WBAN NO. : 24146 YEARS : 1948 - 1983
 LAT 48 18N LON 114 16W ELEV 2976 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **				
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)				
	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)
105 109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
95 99	0	0	0	0	0	0	0	0	0	0	0	*	*	1	65	0	1	1	2	65	0	0	0	0	0	0	0	0	0	
90 94	0	0	*	*	62	0	*	1	1	66	0	6	4	10	64	0	8	6	13	64	0	1	*	1	62	0	0	0	0	
85 89	0	*	*	1	60	0	3	2	5	63	0	23	13	34	63	0	19	10	28	62	0	2	2	4	61	0	0	0	0	
80 84	0	4	2	6	58	0	10	7	16	61	0	36	23	56	62	0	38	19	54	61	0	8	4	12	59	0	*	0	*	
75 79	0	9	5	14	57	*	24	14	37	59	*	45	29	71	60	1	46	27	71	59	*	18	9	27	57	0	1	1	1	
70 74	0	21	12	31	54	1	38	22	58	57	4	47	33	82	58	4	44	30	76	58	*	31	13	43	56	0	3	2	5	
65 69	*	36	20	54	52	5	46	29	78	55	19	40	34	92	56	14	37	34	84	56	2	36	18	53	53	0	9	3	12	
60 64	5	45	29	76	50	17	50	40	106	53	38	30	43	112	55	34	29	40	103	54	7	38	28	71	51	*	18	7	23	
55 59	16	46	40	100	48	42	34	47	124	51	60	15	40	118	53	53	17	40	113	52	18	42	35	93	49	2	28	13	41	
50 54	40	44	51	135	45	63	22	44	133	48	64	5	21	94	49	62	7	29	102	49	33	34	48	115	47	6	52	27	82	
45 49	59	28	44	133	42	62	9	26	100	44	42	1	5	51	45	54	2	9	68	45	58	19	43	123	43	22	57	46	123	
40 44	62	11	28	105	39	33	2	7	44	40	16	0	1	18	41	21	*	2	24	41	54	7	25	89	39	40	45	54	140	
35 39	42	3	13	60	35	14	0	1	16	36	4	0	*	4	37	5	0	0	6	36	42	2	11	57	35	49	19	44	115	
30 34	17	1	2	21	31	2	0	0	2	32	*	0	0	*	32	1	0	0	1	33	19	*	4	24	31	55	11	33	102	
25 29	5	0	*	6	26	*	0	0	*	28	0	0	0	0	0	0	0	0	0	0	6	0	1	7	27	49	4	15	70	
20 24	*	0	0	*	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	*	1	22	20	*	3	24	
15 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1	5	
10 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	1	
5 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	*	
0 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-5 -1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-10 -6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-15 -11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-20 -16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-25 -21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-30 -26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-35 -31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-40 -36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

STATION : KALISPELL AIRPORT

WBAN NO. : 24146

YEARS : 1948 - 1983

LAT 48 18N

LON 114 16W

ELEV 2976 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** NOVEMBER **					** DECEMBER **					** JANUARY **					** FEBRUARY **					** MARCH **					** APRIL **					** ANNUAL **					
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					
	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	01	09	17	A11	MCWB (F)	
105 109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
95 99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
90 94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
85 89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
80 84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	1	55	0	0	48	28	72	62
75 79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	55	1	146	87	224	59	
70 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	7	53	9	190	114	301	57	
65 69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	51	0	13	6	17	50	40	217	145	390	55	
60 64	0	1	*	1	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	48	0	20	12	31	48	101	231	200	525	53	
55 59	0	3	1	3	47	0	*	0	*	48	0	0	0	0	0	0	*	0	*	46	0	4	3	7	45	2	27	18	46	45	193	217	237	647	50	
50 54	1	9	3	12	45	*	1	*	1	43	0	*	*	*	42	*	1	1	3	43	0	13	7	19	42	8	40	29	74	43	278	229	260	771	47	
45 49	5	21	8	32	41	2	4	2	8	41	*	4	2	6	41	1	7	3	10	40	1	27	14	40	39	18	49	39	104	40	324	228	241	798	43	
40 44	14	45	29	86	38	8	15	10	32	38	6	17	11	33	37	4	26	14	43	37	11	58	38	103	36	38	44	47	128	37	307	271	266	846	38	
35 39	35	50	53	138	35	22	39	29	89	34	25	31	28	83	34	27	55	46	125	34	38	64	62	162	33	57	27	44	132	33	360	290	331	986	34	
30 34	64	57	64	186	30	45	47	50	142	30	38	48	49	135	30	49	55	57	161	30	73	39	61	177	30	63	10	29	107	30	428	268	349	1057	30	
25 29	51	31	40	123	26	43	41	45	130	26	35	35	39	109	26	46	31	45	123	26	55	16	30	105	25	36	2	9	49	26	326	160	224	722	26	
20 24	38	15	24	79	21	36	35	36	108	21	33	24	27	85	21	32	19	23	74	21	30	11	15	56	20	15	1	2	18	21	204	105	130	446	21	
15 19	19	5	10	35	16	28	24	24	76	16	21	19	18	59	16	27	12	14	53	16	15	6	7	28	16	3	*	*	3	17	116	66	74	259	16	
10 14	9	2	5	17	11	25	16	20	61	12	21	17	17	55	11	15	7	8	31	11	11	4	4	19	11	1	0	1	1	11	82	46	55	185	11	
5 9	3	1	2	6	7	15	9	12	36	6	15	15	15	45	6	9	5	6	20	6	5	2	3	11	6	0	0	0	0	0	0	48	30	38	118	6
0 4	1	0	1	2	2	9	7	7	24	1	14	16	14	44	1	4	3	2	10	1	4	2	2	8	1	0	0	0	0	0	0	33	27	27	87	1
-5 -1	*	0	*	*	-4	5	3	3	11	-3	14	11	10	35	-3	4	2	2	7	-4	3	*	1	5	-4	0	0	0	0	0	0	26	17	16	58	-3
-10 -6	*	0	*	*	-9	3	2	3	9	-8	9	6	9	25	-8	2	1	1	4	-8	1	*	0	1	-8	0	0	0	0	0	0	15	9	14	39	-8
-15 -11	*	0	*	*	-12	3	2	2	7	-13	7	3	5	16	-13	1	*	1	3	-13	*	0	0	*	-14	0	0	0	0	0	0	11	6	9	26	-13
-20 -16	0	0	0	0	0	2	1	1	4	-18	5	1	2	9	-18	1	*	*	2	-18	0	0	0	0	0	0	0	0	0	0	0	8	2	4	15	-18
-25 -21	0	0	0	0	0	2	1	1	4	-23	2	*	1	3	-23	1	*	*	1	-23	0	0	0	0	0	0	0	0	0	0	0	4	1	3	9	-23
-30 -26	0	0	0	0	0	1	*	*	1	-28	1	*	*	2	-27	1	*	0	1	-27	0	0	0	0	0	0	0	0	0	0	0	2	1	1	4	-27
-35 -31	0	0	0	0	0	*	*	0	*	-32	1	*	*	1	-34	1	*	0	1	-32	0	0	0	0	0	0	0	0	0	0	0	1	*	*	2	-33
-40 -36	0	0	0	0	0	0	0	0	0	0	*	0	0	*	-36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	*	-36	

STATION : LEWISTOWN AIRPORT

WBAN NO. : 24036 YEARS : 1948 - 1983
 LAT 47 04N LON 109 27W ELEV 4140 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **					
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					
	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	
105 109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1	65	0	0	0	0	0	0	0	0	0		
95 99	0	0	0	0	0	0	0	0	0	0	0	2	*	2	65	0	2	1	3	64	0	*	0	*	63	0	0	0	0		
90 94	0	0	0	0	0	0	*	*	1	63	0	10	3	12	63	0	10	3	13	62	0	1	*	2	59	0	0	0	0		
85 89	0	1	*	1	59	0	4	1	5	62	0	29	9	36	62	0	31	9	39	60	0	10	2	11	58	0	*	0	*	59	
80 84	0	6	1	7	57	*	14	4	18	61	1	48	19	65	61	*	44	15	57	59	*	18	4	21	57	0	3	*	3	55	
75 79	*	13	4	17	56	*	27	10	36	59	4	50	24	76	60	3	48	23	71	58	*	27	7	33	56	0	10	1	11	53	
70 74	1	21	7	28	54	3	39	18	59	57	13	47	35	94	58	9	44	31	82	56	2	32	12	45	54	0	19	2	20	52	
65 69	3	30	14	46	52	8	48	28	82	55	26	29	43	99	56	21	32	39	93	55	5	35	18	58	52	1	28	5	32	50	
60 64	7	37	21	65	50	20	41	37	97	53	42	17	46	107	54	38	17	45	102	53	12	31	28	70	50	4	30	11	44	47	
55 59	15	40	31	86	47	38	31	48	118	51	59	10	38	109	52	64	11	44	121	51	24	26	37	88	48	9	32	21	61	45	
50 54	30	36	45	111	45	65	20	48	135	48	61	4	24	92	48	64	5	26	98	48	45	20	43	109	45	20	33	32	85	43	
45 49	49	26	47	122	42	60	10	31	103	44	32	2	7	42	44	36	2	10	50	44	54	15	35	105	42	36	29	42	107	40	
40 44	59	20	40	121	39	32	3	12	47	40	8	*	1	9	40	11	1	2	14	40	47	12	27	87	39	48	23	44	117	37	
35 39	47	10	23	82	35	11	1	2	14	36	1	0	0	1	36	2	0	*	2	36	30	8	15	53	35	50	16	38	106	34	
30 34	27	5	11	44	31	3	1	1	5	32	*	0	0	*	34	*	0	0	*	32	15	4	9	29	31	39	14	26	80	30	
25 29	7	1	2	10	26	*	0	0	*	27	0	0	0	0	0	0	0	0	0	0	5	1	2	9	27	23	7	15	45	26	
20 24	2	1	1	3	21	*	0	0	*	24	0	0	0	0	0	0	0	0	0	0	1	0	*	1	22	11	3	7	21	21	
15 19	1	*	*	2	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	*	17	5	1	2	9	17	
10 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1	2	11
5 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	1	7
0 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	*	2
-5 -1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	*	-2
-10 -6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-15 -11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-20 -16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-25 -21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-30 -26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-35 -31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-40 -36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-45 -41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION : LEWISTOWN AIRPORT

WBAN NO. : 24036 YEARS : 1948 - 1983
LAT 47 04N LON 109 27W ELEV 4140 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

Table with columns for months (NOVEMBER, DECEMBER, JANUARY, FEBRUARY, MARCH, APRIL) and ANNUAL. Each month column contains sub-columns for time of day (01, 09, 17, All) and average wet bulb (MCWB). Rows represent temperature ranges in Fahrenheit.

STATION : MILES CITY AIRPORT

WBAN NO. : 24037 YEARS : 1948 - 1983
 LAT 46 26N LON 105 52W ELEV 2628 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **					
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					
	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	01	09	17	All	MCWB (F)	
110 114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
105 109	0	0	0	0	0	0	0	0	0	0	0	1	*	1	67	0	*	*	*	66	0	*	0	*	65	0	0	0	0	0	
100 104	0	0	0	0	0	0	1	*	1	65	0	6	2	7	67	0	5	1	6	66	0	*	*	1	66	0	0	0	0	0	
95 99	0	*	*	1	63	0	3	1	5	66	0	19	8	27	67	0	19	7	26	65	0	2	1	3	64	0	0	0	0	0	
90 94	0	2	*	2	62	0	10	4	14	66	0	35	17	51	66	*	33	14	47	64	0	6	2	8	62	0	*	0	*	59	
85 89	0	8	3	10	60	*	19	9	28	64	1	46	28	74	64	*	41	23	63	63	0	13	4	17	61	0	2	*	2	58	
80 84	0	14	6	20	59	1	35	18	53	62	6	49	37	91	63	3	46	35	83	62	*	23	10	32	59	0	5	1	6	56	
75 79	*	21	10	31	57	4	45	28	76	60	22	41	43	106	61	17	41	42	100	60	1	30	16	47	57	0	11	2	13	55	
70 74	2	31	18	51	55	13	42	35	90	58	43	27	43	115	60	37	29	43	110	58	4	36	25	64	55	0	19	6	24	53	
65 69	7	39	27	72	53	33	35	41	109	57	63	14	35	113	58	58	18	36	113	57	13	32	33	78	53	*	26	11	37	51	
60 64	18	40	39	96	51	54	25	43	123	55	59	6	22	87	56	61	10	26	99	55	28	31	37	96	51	2	31	21	53	49	
55 59	36	34	41	111	49	62	15	35	113	52	39	3	10	52	52	44	4	14	63	52	44	24	36	104	49	9	36	32	76	46	
50 54	55	26	41	123	47	47	6	18	72	49	13	1	2	16	49	20	2	5	27	49	53	18	32	104	46	23	36	41	99	44	
45 49	57	18	34	111	43	20	2	5	27	45	3	*	*	3	46	6	0	*	7	44	47	12	21	81	43	45	31	41	118	41	
40 44	41	9	19	69	39	4	*	1	6	41	*	0	0	*	42	1	0	*	1	41	30	7	13	50	39	58	22	39	120	38	
35 39	22	3	6	32	35	2	*	1	3	37	0	0	0	0	0	*	0	0	*	38	14	2	7	24	35	50	16	28	95	34	
30 34	6	1	2	10	31	*	*	0	1	33	0	0	0	0	0	0	0	0	0	0	7	1	2	9	31	37	8	18	64	30	
25 29	2	1	1	4	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	*	1	27	17	3	6	27	26	
20 24	*	0	*	*	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	*	24	5	1	2	8	21	
15 19	*	0	*	*	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1	2	17	
10 14	0	0	0	0	0	0	0	0	0	0	0	*	0	0	12	0	0	0	0	0	0	0	0	0	0	1	0	*	1	12	
5 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	*	8	
0 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5 -1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-10 -6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-15 -11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-20 -16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-25 -21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-30 -26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-35 -31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-40 -36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION : MILES CITY AIRPORT

WBAN NO. : 24037 YEARS : 1948 - 1983
LAT 46 26N LON 105 52W ELEV 2628 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

Table with columns for months (NOVEMBER, DECEMBER, JANUARY, FEBRUARY, MARCH, APRIL, ANNUAL) and rows for temperature ranges (e.g., 110-114, 105-109, 100-104, 95-99, 90-94, 85-89, 80-84, 75-79, 70-74, 65-69, 60-64, 55-59, 50-54, 45-49, 40-44, 35-39, 30-34, 25-29, 20-24, 15-19, 10-14, 5-9, 0-4, -5-1, -10-6, -15-11, -20-16, -25-21, -30-26, -35-31, -40-36). Each cell contains values for hours in different time slots and MCWB.

STATION: MISSOULA MONTANA

LAT 46 55 N

LON 114 05 W

ELEV 3190 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF OAY, ANO AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIOENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **												
	TIME OF OAY (LST)				MCWB (F)	TIME OF OAY (LST)				MCWB (F)	TIME OF OAY (LST)				MCWB (F)	TIME OF DAY (LST)				MCWB (F)	TIME OF OAY (LST)				MCWB (F)	TIME OF OAY (LST)				MCWB (F)								
	01	09	17	ALL		01	09	17	ALL		01	09	17	ALL		01	09	17	ALL		01	09	17	ALL		01	09	17	ALL		01	09	17	ALL				
100 104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	66	0	1	0	1	64	0	0	0	0	0	0	0	0	0	0	0	0	0		
95 99	0	0	0	0	0	0	0	0	0	65	0	0	0	0	65	0	3	2	5	64	0	1	1	2	62	0	0	0	0	64	0	0	0	0	0	0		
90 94	0	0	0	0	63	0	2	1	3	63	0	16	10	26	62	0	9	5	14	62	0	1	1	2	61	0	1	1	2	61	0	0	0	0	0	0		
85 89	0	1	0	1	59	0	6	4	10	62	0	33	20	53	61	0	33	20	53	61	0	24	15	39	60	0	5	3	8	60	0	0	0	0	0	0		
80 84	0	6	3	9	58	0	15	9	24	60	0	40	28	68	60	0	40	28	68	60	0	36	22	58	59	0	13	7	20	58	0	0	0	0	58	0	0	
75 79	0	11	7	18	56	0	25	16	41	58	0	40	32	72	58	0	40	29	69	57	0	40	29	69	57	0	20	11	31	56	0	2	0	2	54	0	2	
70 74	0	21	11	32	54	0	34	22	56	56	3	44	36	83	57	3	41	36	80	56	0	27	17	44	54	0	27	17	44	54	0	7	3	10	52	0	7	
65 69	0	29	19	48	52	4	43	32	79	54	19	34	42	95	55	10	35	39	84	54	2	32	24	58	53	0	32	24	58	53	0	14	5	19	52	0	14	
60 64	3	38	28	69	50	15	44	40	99	52	47	23	37	107	53	31	32	43	106	53	7	40	37	84	51	0	40	37	84	51	0	20	10	30	49	0	20	
55 59	13	45	39	97	48	40	35	47	122	50	67	10	25	102	51	69	18	34	121	50	22	37	42	101	49	2	37	42	101	49	2	30	19	51	47	2	30	
50 54	37	41	47	125	45	74	26	42	142	48	64	4	11	79	48	77	9	17	103	47	41	33	41	115	46	8	46	34	88	45	8	46	34	88	45	8	46	
45 49	56	31	46	133	42	61	9	20	90	44	35	1	3	39	44	44	2	7	53	44	63	20	30	113	43	31	45	54	130	42	31	45	54	130	42	31	45	
40 44	66	18	30	114	39	34	1	6	41	40	12	0	0	12	40	13	0	0	13	41	56	10	19	85	39	52	42	54	148	39	52	42	54	148	39	52	42	
35 39	50	5	15	70	35	9	0	1	10	36	2	0	0	2	36	1	0	0	1	36	35	2	7	44	35	62	26	41	129	35	62	26	41	129	35	62	26	
30 34	20	1	3	24	31	2	0	0	2	32	0	0	0	0	0	0	0	0	0	33	10	0	1	11	31	55	12	22	89	31	55	12	22	89	31	55	12	
25 29	2	0	0	2	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	27	29	4	5	38	27	29	4	5	38	27	29	4	
20 24	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	9	0	0	9	22	9	0	0	9	22	9	0	
15 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION: MISSOULA MONTANA

LAT 46 55 N LON 114 05 W ELEV 3190 Ft

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** NOVEMBER **					** DECEMBER **					** JANUARY **					** FEBRUARY **					** MARCH **					** APRIL **					** ANNUAL **						
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)						
	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB	01	09	17	ALL	MCWB		
100-104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	65	
95-99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	7	63		
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	17	45	62			
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	42	111	61			
80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	69	179	59			
75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	54	0	140	96	236	57					
70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	7	52	6	179	127	312	55						
65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	10	6	16	49	35	197	167	399	54					
60-64	0	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4	47	0	18	11	29	47	103	218	207	528	52			
55-59	0	3	1	4	46	0	0	0	0	43	0	0	0	46	0	1	0	1	45	0	7	4	11	44	1	26	18	45	45	214	212	229	655	49			
50-54	1	9	3	13	43	0	1	0	1	41	0	1	0	1	44	0	1	0	1	43	0	12	6	18	42	4	44	30	78	42	306	227	231	764	46		
45-49	4	23	11	38	41	1	4	1	6	40	1	4	2	7	40	1	6	3	10	40	1	27	17	45	39	19	54	49	122	40	317	226	243	786	42		
40-44	13	41	31	85	38	6	14	9	29	37	4	12	9	25	37	5	20	10	35	37	8	46	37	91	36	45	48	55	148	37	314	252	260	826	38		
35-39	41	50	51	142	34	19	45	28	92	34	16	35	27	78	34	13	48	37	98	33	36	58	56	150	33	67	25	43	135	33	351	294	306	951	34		
30-34	56	47	57	160	30	52	59	63	174	30	34	39	40	113	30	54	61	68	183	30	72	43	62	177	29	67	8	22	97	30	422	270	338	1030	30		
25-29	49	34	41	124	26	53	44	54	151	26	35	39	38	112	26	52	37	47	136	26	60	25	33	118	25	30	0	3	33	25	312	183	221	716	26		
20-24	36	17	21	74	21	43	30	36	109	21	38	34	36	108	21	35	19	25	79	21	33	12	14	59	21	6	0	0	6	21	200	112	132	444	21		
15-19	18	7	13	38	17	24	22	23	69	16	35	23	27	85	16	24	14	13	51	16	17	6	9	32	16	1	0	0	0	15	119	72	85	276	16		
10-14	12	3	5	20	12	24	14	15	53	12	26	18	18	62	11	18	9	11	38	11	11	4	4	19	11	0	0	0	0	0	91	48	53	192	11		
5-9	5	3	3	11	7	10	8	10	28	7	15	14	15	44	6	11	4	4	19	6	4	2	3	9	6	0	0	0	0	0	45	31	35	111	6		
0-4	2	2	1	5	1	8	4	4	16	1	12	11	14	37	1	4	3	3	10	1	3	1	1	5	1	0	0	0	0	0	29	21	23	73	1		
-5-1	2	1	2	5	-3	4	1	3	8	-3	9	9	11	29	-3	2	1	1	4	-3	2	0	0	2	-3	0	0	0	0	0	19	12	17	48	-3		
-10-6	1	0	1	2	-8	1	1	1	3	-8	10	6	6	22	-8	2	1	1	4	-8	1	0	0	1	-8	0	0	0	0	0	15	8	9	32	-8		
-15-11	0	0	0	0	-13	1	1	0	2	-13	6	3	3	12	-13	1	0	0	1	-13	0	0	0	0	-11	0	0	0	0	0	8	4	3	15	-13		
-20-16	0	0	0	0	-18	1	1	0	2	-17	4	2	1	7	-18	2	0	0	2	-18	0	0	0	0	0	0	0	0	0	0	7	3	1	11	-17		
-25-21	0	0	0	0	0	0	0	0	0	-23	2	0	0	2	-22	0	0	0	0	-22	0	0	0	0	0	0	0	0	0	0	2	0	0	0	-22		
-30-26	0	0	0	0	0	0	0	0	0	-28	0	0	0	0	-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-27		
-35-31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-31		

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STATION : WHITEHALL AIRPORT

WBAN NO. : 24161 YEARS : 1948 - 1954
 LAT 45 49N LON 112 12W ELEV 4603 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** MAY **					** JUNE **					** JULY **					** AUGUST **					** SEPTEMBER **					** OCTOBER **											
	TIME OF DAY (LST)				MCWB (F)	TIME OF DAY (LST)				MCWB (F)	TIME OF DAY (LST)				MCWB (F)	TIME OF DAY (LST)				MCWB (F)	TIME OF DAY (LST)				MCWB (F)												
	01	09	17	All		01	09	17	All		01	09	17	All		01	09	17	All		01	09	17	All		01	09	17	All								
105 109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100 104	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
95 99	0	0	0	0	0	0	*	0	*	63	0	3	1	4	66	0	2	*	2	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
90 94	0	*	0	*	61	0	1	*	1	63	0	16	4	20	63	0	9	1	11	63	0	2	*	2	63	0	0	0	0	0	0	0	0	0	0		
85 89	0	1	*	1	58	0	3	1	4	61	0	34	13	47	62	0	23	8	31	61	0	9	2	11	60	0	0	0	0	0	0	0	0	0	0		
80 84	0	4	1	5	57	0	11	3	14	60	*	43	20	63	61	0	43	14	58	60	0	23	5	28	58	0	1	0	1	1	57	0	7	0	7	55	
75 79	0	14	4	18	56	0	29	11	41	58	2	50	30	82	59	*	51	24	76	58	0	26	8	35	56	0	7	0	7	55	0	15	2	17	53		
70 74	*	23	8	31	54	1	42	19	62	56	12	46	37	95	58	5	47	33	85	56	*	36	14	51	55	0	15	2	17	53	*	29	6	35	50		
65 69	1	39	16	56	52	6	42	28	75	54	26	27	44	96	56	16	37	45	98	55	3	39	29	71	53	*	29	6	35	50							
60 64	5	44	27	76	50	17	42	36	96	52	41	16	44	101	53	37	22	48	108	53	8	38	36	81	51	1	32	14	47	48							
55 59	19	41	38	98	47	42	31	47	121	50	61	8	32	102	50	52	9	44	105	51	25	25	38	88	48	8	39	23	70	46							
50 54	36	29	42	107	45	61	20	40	121	47	58	3	18	79	48	72	2	22	97	48	46	17	40	103	45	15	38	37	90	43							
45 49	55	25	47	127	42	58	12	34	104	44	33	*	6	39	44	46	1	7	55	44	58	11	34	102	42	30	32	40	102	40							
40 44	54	14	33	101	38	33	4	13	50	39	13	*	1	14	40	17	0	1	18	41	49	7	16	72	38	42	26	42	110	37							
35 39	43	9	22	73	34	16	1	5	22	36	2	0	0	2	36	2	0	0	2	37	33	4	11	48	35	48	15	36	99	33							
30 34	23	4	8	35	30	6	0	2	8	32	*	0	0	*	32	0	0	0	0	0	14	3	6	23	31	47	10	29	86	30							
25 29	10	1	2	13	26	1	0	0	1	27	0	0	0	0	0	0	0	0	0	0	4	*	1	5	27	33	1	11	46	26							
20 24	2	0	1	2	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	3	5	25	22							
15 19	1	0	0	1	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	1	7	17							
10 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	1	2	13							
5 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-5 -1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-10 -6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-15 -11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-20 -16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-25 -21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-30 -26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-35 -31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-40 -36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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STATION : WHITEHALL AIRPORT

WBAN NO. : 24161 YEARS : 1948 - 1954
 LAT 45 49N LON 112 12W ELEV 4603 FT

NUMBER OF HOURS PER MONTH OR YEAR WITH DRY BULB TEMPERATURE IN SELECTED RANGE, BY TIME OF DAY, AND AVERAGE WET BULB WHEN DRY BULB TEMPERATURE IS IN THIS RANGE
 ("MEAN COINCIDENT WET BULB (MCWB)").

TEMP RANGE (F)	** NOVEMBER **					** DECEMBER **					** JANUARY **					** FEBRUARY **					** MARCH **					** APRIL **					** ANNUAL **														
	TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)					TIME OF DAY (LST)														
	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB	01	09	17	All	MCWB					
	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)	-08	-16	-24	All	(F)					
105-109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100-104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	66					
95-99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	6	65					
90-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	6	34	63									
85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	24	95	61										
80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	125	43	168	60										
75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	4	54	2	182	78	262	58										
70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	3	16	52	20	221	117	357	56										
65-69	0	1	0	1	47	0	0	0	0	0	0	0	0	0	0	0	*	0	*	47	0	*	0	*	50	0	20	5	26	48	51	235	172	458	53										
60-64	0	10	*	10	46	0	0	0	0	0	0	0	0	0	0	0	2	0	2	46	0	3	*	4	47	*	26	11	38	46	109	235	217	561	51										
55-59	0	21	2	23	44	0	0	0	0	0	0	2	0	2	44	0	5	1	6	43	0	8	2	10	44	4	31	22	56	44	211	221	250	682	48										
50-54	3	33	14	51	41	*	3	0	3	41	0	8	1	8	41	*	14	2	16	41	1	16	5	22	41	12	38	30	79	41	304	222	251	777	45										
45-49	22	40	32	94	39	1	18	4	22	38	7	13	8	28	39	5	21	10	36	38	4	26	14	44	38	27	37	35	99	38	345	235	272	853	41										
40-44	29	37	40	105	35	9	27	16	52	35	12	19	17	48	35	15	28	23	65	35	11	43	26	80	35	40	31	39	110	36	323	235	266	824	36										
35-39	37	36	38	111	32	28	47	28	104	31	23	30	23	76	32	22	38	33	94	31	28	41	43	112	32	48	21	39	108	32	331	242	278	851	32										
30-34	43	27	41	112	29	40	51	50	141	28	25	39	35	98	28	36	33	36	105	28	47	37	49	134	28	41	12	28	82	29	324	216	284	823	29										
25-29	41	17	29	88	24	42	38	51	131	24	27	31	30	88	24	30	27	37	94	24	44	22	37	103	25	36	7	17	60	25	268	144	216	628	25										
20-24	29	8	16	53	21	38	23	33	94	20	31	24	28	84	20	37	20	27	84	20	30	15	21	67	20	23	1	7	31	21	208	94	138	440	20										
15-19	13	7	10	30	16	24	13	20	58	16	28	16	27	71	15	25	10	20	54	16	25	16	14	55	16	7	*	2	9	16	128	64	94	285	16										
10-14	8	3	8	19	11	23	9	12	45	11	19	13	15	47	11	18	10	13	41	11	17	8	14	39	11	2	0	*	2	11	87	44	64	195	11										
5-9	8	1	6	14	7	11	6	11	29	7	17	12	13	42	6	11	8	7	26	6	13	5	8	27	6	1	0	0	1	8	62	32	45	139	6										
0-4	3	0	2	5	2	8	5	7	20	1	11	11	9	31	2	5	4	6	14	1	11	2	6	19	2	0	0	0	0	0	38	22	29	89	2										
-5-1	3	0	1	4	-2	10	5	9	24	-3	9	7	11	27	-4	8	2	5	15	-4	5	1	3	10	-3	0	0	0	0	0	35	16	29	80	-3										
-10-6	*	0	*	1	-7	8	2	5	15	-8	10	11	9	30	-8	6	1	3	10	-8	6	2	3	11	-8	0	0	0	0	0	30	16	21	67	-8										
-15-11	0	0	0	0	0	4	*	1	6	-13	14	9	11	33	-13	3	*	1	5	-12	3	0	1	4	-12	0	0	0	0	0	24	10	14	48	-13										
-20-16	0	0	0	0	0	1	0	* 1	-17	5	3	7	15	-18	2	0	* 2	-19	1	0	* 2	-18	1	0	* 2	-18	0	0	0	0	0	8	3	8	20	-18									
-25-21	0	0	0	0	0	0	0	0	0	0	6	1	3	10	-23	1	0	1	2	-24	*	0	0	*	-21	0	0	0	0	0	7	1	4	12	-23										
-30-26	0	0	0	0	0	0	0	0	0	0	5	0	1	6	-28	*	0	0	*	-27	0	0	0	0	0	0	0	0	0	0	5	0	1	6	-28										
-35-31	0	0	0	0	0	0	0	0	0	0	1	0	0	1	-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	-32										
-40-36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	-38	0	0	0	0	0	0	0	0	0	0	0	*	0	*	-38										



APPENDIX

(Number of Observations Used)

STATION : CUT BANK AIRPORT

WBAN NO. : 24137

YEARS : 1948 - 1983

NUMBER OF OBSERVATIONS USED

HOURS (L.S.T.)

Table with columns: YEAR, MON, 0-23, 1-8, 9-16, 17-24, ALL. Rows for years 1948-1983, showing observation counts for each hour and aggregated categories.

STATION : DILLON, MONTANA AIRPORT

WBAN NO. : 24138

YEARS : 1948 - 1973

NUMBER OF OBSERVATIONS USED

HOURS (L.S.T.)

Table with columns: YEAR, MON, 0-23, 1-8, 9-16, 17-24, ALL. Rows for years 1948-1973, showing observation counts for each hour and aggregated categories.

STATION : LEWISTOWN AIRPORT

WBAN NO. : 24036

YEARS : 1948 - 1983

NUMBER OF OBSERVATIONS USED

HOURS (L.S.T.)

YEAR	MON	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	1- 8	9-16	17-24	ALL
1948	13	365	366	366	366	366	365	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	2927	2928	2927	8782
1949	13	364	364	364	364	364	364	364	364	363	363	363	363	363	363	364	364	364	364	364	364	364	363	364	364	2912	2905	2911	8728
1950	13	365	365	365	365	365	365	365	365	365	365	365	365	365	364	365	364	365	365	365	365	365	365	365	365	2920	2918	2920	8758
1951	13	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	2920	2920	2920	8760
1952	13	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	2928	2927	2928	8783
1953	13	364	364	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	2919	2920	2917	8756
1954	13	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	2920	2920	2920	8760
1955	13	364	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	2920	2920	2919	8759
1956	13	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	2927	2928	2928	8783
1957	13	365	365	365	365	365	365	365	365	365	365	365	365	365	365	364	365	365	365	365	365	365	365	365	365	2920	2919	2920	8759
1958	13	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	2920	2920	2920	8760
1959	13	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	2920	2920	2920	8760
1960	13	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	366	2928	2928	2928	8784
1961	13	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	2920	2920	2920	8760
1962	13	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	2920	2920	2920	8760
1963	13	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	365	2920	2920	2920	8760
1964	13	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	365	365	365	365	365	2912	2913	2919	8744
1965	13	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	1095	730	1095	2920
1966	13	0	0	364	0	0	364	0	0	364	0	0	364	0	0	364	0	0	364	0	0	364	0	0	363	1092	728	1090	2910
1967	13	0	0	357	0	0	358	0	0	357	0	0	357	0	0	357	0	0	357	0	0	357	0	0	357	1072	714	1071	2857
1968	13	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	1098	732	1098	2928
1969	13	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	1095	730	1095	2920
1970	13	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	1095	730	1095	2920
1971	13	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	1095	730	1095	2920
1972	13	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	1098	732	1097	2927
1973	13	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	1095	730	1095	2920
1974	13	0	0	365	0	0	365	0	0	364	0	0	364	0	0	365	0	0	365	0	0	365	0	0	365	1094	729	1095	2918
1975	13	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	1095	730	1095	2920
1976	13	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	1098	732	1098	2928
1977	13	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	1095	730	1095	2920
1978	13	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	1095	730	1095	2920
1979	13	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	0	0	365	1095	730	1095	2920
1980	13	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	0	0	366	1098	732	1098	2928
1981	13	91	91	304	92	92	304	92	92	304	92	92	304	92	92	304	92	92	304	92	92	304	92	92	304	1371	1160	1371	3902
1982	13	272	272	272	272	272	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	2185	2200	2195	6580
1983	13	365	365	365	365	365	365	365	365	365	365	365	365	365	364	365	365	365	365	365	365	365	365	365	365	2920	2919	2920	8759



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