

COLORADO TEMPERATURES
with Degree Day and Growing Season Data

Climatology Report No. 89-2

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Acknowledgments

This report is the most extensive compilation of temperature data for Colorado that has ever been assembled. With data from nearly 150 locations across Colorado averaging about 40 years of data per station, this report summarizes well over 2 million observations of daily high and low temperatures. Most of these observations have been taken over the years by unpaid volunteers. The authors would like to express the greatest appreciation for these many volunteers who have faithfully gone out each day, in good weather and bad, to report their temperatures — not ever knowing for certain if anyone would ever look at their data. Be it known, we have looked at your data and we will continue to do so.

We would also like to thank Odie Bliss and Tye Parzybok of the Colorado Climate Center staff for their significant contributions toward the preparation of this report. Thanks to Erik Sparling, Poudre High School junior, for his contribution of the analysis of hot and cold temperature extremes.

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1. INTRODUCTION

The Colorado Climate Center has been in existence at Colorado State University for 15 years. During that period, much of our attention has been devoted toward developing and maintaining functional computerized and paper archives of historic climate data for all of Colorado to support a variety of research activities. In addition, we use the databases to answer a myriad of climate-related questions from researchers, students, teachers, businesses, government officials from across the State and from outside our borders.

We have focused much of our attention in the past on climatic characteristics of precipitation. The obvious importance of water to human and economic viability here in Colorado has helped dictate the priority that has traditionally been given to precipitation studies. But there is more to Colorado climate than just precipitation. Temperatures determine our comfort and influence our clothing requirements. Temperatures specify what plants can and cannot grow here. Temperatures are directly related to the rate of growth and development of crops as well as the pests and diseases that bother them. Temperatures help determine the water requirements of vegetation and the length of plants' growing season. Temperatures specify when the mountain snows melt and when surface water supplies become directly available. Temperatures influence the rate of evaporative losses from our reservoirs, streams and ditches. Temperatures affect our State's wildlife populations. Temperatures are related to the likelihood of forest fires. Temperatures influence the design of roads, bridges, dams and buildings and are related to how long those structures last without maintenance. Temperatures influence how efficiently we work. The rate of sales of ice cream and down vests is affected by temperature. Temperatures determine how much weight can be aboard an aircraft and how well our automobiles perform. Temperatures influence greatly the amount of energy we require to keep our homes, schools and workplaces comfortable.

These are just a few examples of the role that temperatures play in our lives. We could name many more examples. The point we wish to make is simply this — it pays to know

about temperatures. This report will hopefully make it easy to learn a great deal about Colorado temperatures.

2. SELECTION OF STATIONS

The goal of this report is to provide as much information about temperature as possible for as much of the State as possible. In the past, we have often required that weather stations all have complete data for a fixed period of consecutive years beginning and ending at the same time in order to be included in a climate summary. Climate varies naturally from year to year so this restriction is usually important for assuring valid comparison between sites. For example, if you wish to know if Colorado Springs is normally cooler than Denver, you would not compare 1988 temperatures at one city with the 1989 temperatures at the other city. You may reach an erroneous conclusion. The problem with this restriction is that it excludes many stations that have many years of very good and useful temperature data. Many weather stations have had periods of missing data or their records have begun or ended at different times. For this report we have decided not to enforce this restriction so that we can include the data from several dozen additional weather stations, many of which are in unique climatic locations.

We made a compromise for this report. In order to be included, we required that each station have a minimum of 18 years of nearly complete daily temperature records of which at least 15 years are consecutive. In addition, we required that all stations must have a significant number of years that overlap with all the other stations with most overlap occurring during the decades of the 1950s, 60s and 70s. These restrictions are tight enough that computed averages for each station are based on enough data to accurately represent the long-term mean conditions. Yet, they are loose enough so that a total of nearly 150 weather stations in the state qualified, including at least one station in every county except Crowley, Gilpin and Teller Counties.

The locations of the resulting weather stations are shown in map form in Figure 22 in Section 6. The map is followed by a complete station index giving station names, coordinates, elevations and approximate years of record (Table 2).

3. METHODS AND PROCEDURES — Explanation of Graphs and Tables

Detailed temperature summaries were developed for each of the 148 selected weather stations in Colorado using all available digital records (available on the Colorado Climate Center computer database) of daily maximum and minimum temperatures from the beginning of record through 1987. Digital records were assumed to be accurate (an expedient but not always valid assumption), and no attempt was made to fill in estimates for missing values.

The first computation was the calculation of daily averages and extremes. For each day of the year, including February 29, all values of the daily maximum temperatures and daily minimum temperatures were processed. The arithmetic mean was computed (sum of all non-missing values divided by the total number of non-missing values). The extreme values for each date were retained, and two parameters describing how the values were distributed about the mean were computed — a standard deviation and the upper and lower limits of the inner 50% of the values. Most of this information was then plotted graphically as shown in the example in Figure 1. These are excellent visualizations of the general temperature climate of a specific location but are difficult to read if precise information is required for a specific day. For those who require more detailed information a separate output format was developed (Table 1). Due to obvious page limitations, it was not practical to publish all of this information for all stations. However, for those with special interests, these summaries are available on request (cost reimbursable) from the Colorado Climate Center and will be updated each year.

To accompany the graphs, tables of temperature-related variables were then produced (Figure 2). For each station, monthly mean values of daily high and low temperatures were computed. Values of the standard deviation of monthly mean maximum and minimum temperatures were computed to give readers an idea of how much variation can be expected in monthly values from year to year. A number of monthly average degree days were then generated. "Degree days" is a somewhat misleading name for a fairly simple concept.

FORT COLLINS

Record: 88 years ending in 1987

Lat 40 35

Long 105 5

Elev 5000

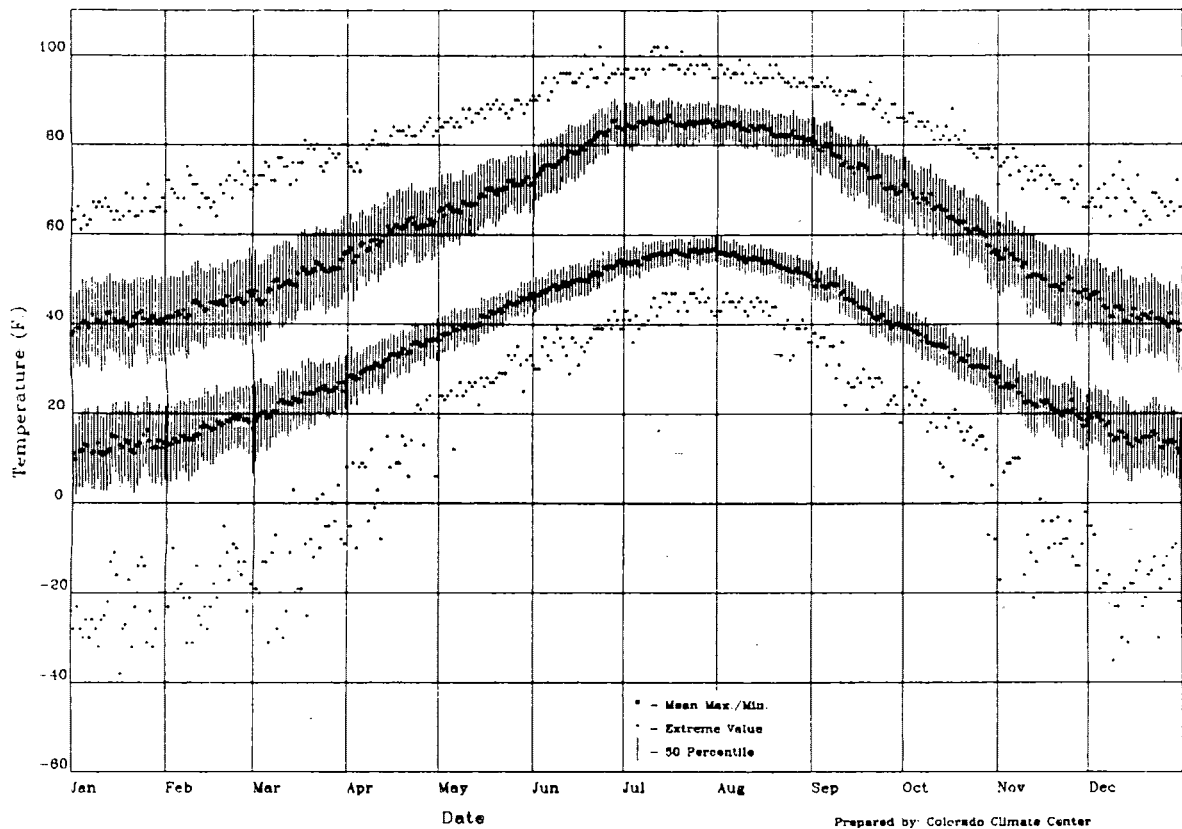


Figure 1: Example of graphical display format for daily average and extreme maximum and minimum temperatures. This example is for the Fort Collins, Colorado, weather station. Latitude and longitude are given in whole degrees and minutes. Elevation is shown in feet above mean sea level. Averages and extremes were derived from 88 years of data ending with 1987.

Table 1: Example tabular display format showing daily average and extreme maximum, minimum and mean temperatures for January for Fort Collins, Colorado.

January Daily Temperature Summary for FORT COLLINS						Lat 40 35 Long 105 5 Elev 5000 for years 1900 to 1987									
Date	Maximum Temperature					Minimum Temperature					Mean Temperature				
	Mean	Std Dev	N	Min Year	Max Year	Mean	Std Dev	N	Min Year	Max Year	Mean	Std Dev	N	Min Year	Max Year
1/ 1	37.49	13.653	88	-1 1942	65 1918	10.97	11.737	88	-24 1962	33 1956	24.23	11.773	88	-12 1942	46 1918
1/ 2	38.09	12.007	88	1 1911	63 1918	9.73	11.814	88	-28 1962	29 1964	23.91	10.968	88	-6 1911	44 1918
1/ 3	39.08	12.402	88	0 1959	66 1918	11.52	12.074	88	-23 1947	44 1913	25.30	11.107	88	-9 1959	49 1913
1/ 4	38.95	12.840	88	2 1942	61 1916	11.82	12.721	88	-28 1942	34 1903	25.39	11.844	88	-13 1942	44 1918
1/ 5	40.58	14.113	88	-2 1913	64 1984	12.95	12.556	88	-30 1942	37 1903	26.77	12.481	88	-12 1942	47 1903
1/ 6	40.05	13.880	88	-5 1913	62 1954	12.63	12.892	88	-26 1913	47 1903	26.34	12.518	88	-15 1913	54 1903
1/ 7	39.11	13.552	88	-4 1937	63 1969	11.10	12.384	88	-30 1913	42 1923	25.11	12.195	88	-11 1913	50 1923
1/ 8	42.00	12.758	88	1 1937	67 1966	11.40	12.659	88	-26 1937	39 1923	26.70	11.462	88	-12 1937	47 1945
1/ 9	40.77	12.909	88	-3 1962	66 1953	13.35	12.286	88	-28 1962	41 1909	27.06	11.523	88	-15 1962	48 1909
1/10	40.58	13.020	88	0 1918	67 1923	11.19	12.337	88	-32 1962	40 1911	25.89	11.725	88	-13 1962	48 1911
1/11	39.03	14.753	88	-3 1963	66 1936	10.85	12.336	88	-26 1962	35 1923	24.94	12.677	88	-11 1963	49 1936
1/12	40.13	14.155	88	-1 1963	68 1953	11.27	12.650	88	-25 1963	37 1936	25.70	12.430	88	-13 1963	50 1953
1/13	42.41	12.606	88	10 1930	66 1983	11.86	11.831	88	-22 1905	38 1973	27.14	11.496	88	-5 1905	50 1928
1/14	42.55	13.016	88	4 1930	65 1904	15.00	10.763	88	-13 1930	40 1928	28.77	11.036	88	-4 1930	50 1928
1/15	41.07	12.354	88	2 1930	63 1921	14.60	11.957	88	-11 1972	44 1943	27.84	11.010	88	-3 1930	52 1943
1/16	40.52	13.471	88	-3 1930	65 1974	12.91	12.136	88	-16 1917	33 1927	26.72	11.410	88	-8 1930	47 1951
1/17	40.38	13.106	88	0 1930	63 1923	12.44	12.661	88	-38 1930	31 1971	26.41	11.665	88	-19 1930	45 1971
1/18	41.23	13.240	88	1 1922	64 1920	14.07	12.845	88	-28 1984	39 1944	27.65	12.146	88	-10 1984	46 1920
1/19	40.22	14.338	88	3 1962	69 1920	13.63	13.543	88	-27 1922	44 1920	26.92	13.026	88	-8 1963	56 1920
1/20	39.30	14.637	88	-1 1935	65 1971	11.76	12.977	88	-17 1935	34 1964	25.53	12.707	88	-9 1935	47 1971
1/21	39.70	13.848	88	2 1937	68 1943	11.15	13.232	88	-32 1930	46 1943	25.43	12.468	88	-11 1930	57 1943
1/22	41.51	12.976	88	11 1915	64 1950	12.85	13.361	88	-23 1962	44 1943	27.18	12.257	88	-2 1962	51 1943
1/23	42.25	12.442	88	2 1963	64 1961	13.39	11.757	88	-14 1915	32 1967	27.82	11.102	88	-5 1963	44 1970
1/24	42.80	12.071	87	9 1940	65 1953	15.16	10.938	87	-12 1930	35 1986	28.98	10.426	87	2 1940	46 1910
1/25	41.13	13.691	88	0 1902	68 1935	16.20	11.300	88	-14 1949	41 1947	28.66	11.450	88	-5 1902	47 1953
1/26	40.22	14.504	88	7 1902	71 1982	13.99	12.362	88	-31 1902	41 1947	27.10	12.533	88	-12 1902	50 1947
1/27	41.02	13.457	88	3 1980	65 1970	12.33	12.242	88	-24 1948	45 1987	26.68	11.861	88	-9 1948	55 1987
1/28	41.73	13.618	88	1 1916	65 1986	12.52	12.800	88	-32 1948	32 1960	27.13	12.199	88	-4 1902	47 1986
1/29	40.77	14.078	88	-5 1951	66 1931	13.92	12.411	88	-28 1949	36 1917	27.35	12.135	88	-8 1951	50 1971
1/30	39.99	13.686	88	6 1918	66 1911	12.23	12.816	88	-20 1945	49 1971	26.11	12.312	88	0 1951	57 1971
1/31	40.99	14.172	88	0 1918	68 1906	13.31	12.338	88	-20 1951	45 1911	27.15	12.121	88	-9 1951	55 1911

Temperature Summary for FORT COLLINS

53005

Prepared by: Colorado Climate Center

Latitude: 40 35 Longitude: 105 5 Elevation: 5000 Period of Record: 89 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	40.5	43.8	50.3	60.0	68.5	78.8	84.9	83.2	74.9	64.2	50.8	42.4	61.9
Std. Dev.	5.6	5.8	6.0	4.4	3.7	3.8	2.8	2.4	3.6	4.3	4.5	5.1	
Mean Min.	12.6	16.5	23.2	32.5	41.6	50.0	55.5	53.8	44.6	33.8	22.5	15.1	33.5
Std. Dev.	5.3	5.3	4.2	2.7	2.3	2.4	2.3	2.2	2.6	2.5	3.1	4.3	
Num. Yrs.	88	88	88	87	87	88	88	88	88	88	88	87	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	718	552	410	159	34	2	0	0	14	105	396	649	3040
55	873	692	558	270	85	8	0	0	36	203	543	803	4070
57	934	748	619	322	116	13	1	1	51	253	603	865	4524
60	1027	833	711	406	175	28	2	2	83	337	693	957	5254
65	1182	974	865	554	304	81	10	16	171	489	842	1112	6600

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	1	15	94	298	478	426	186	24	0	0	1524
57	0	0	1	7	63	243	417	365	141	12	0	0	1250
60	0	0	0	2	30	168	325	273	84	4	0	0	886
65	0	0	0	0	4	71	178	132	22	0	0	0	409
70	0	0	0	0	0	17	61	34	3	0	0	0	114

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	12	22	79	234	476	740	942	891	601	306	64	16	4382
45	3	6	30	128	330	590	787	736	455	179	19	4	3266
50	1	1	8	54	198	442	633	581	314	81	3	1	2317
55	0	0	1	15	94	298	478	426	186	24	0	0	1524
60	0	0	0	2	30	168	325	273	84	4	0	0	886

Corn GDD 23 36 84 174 293 453 598 563 384 234 80 28 2950

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	66/1903	98	106	112	117	121	126	131	137	145	155/1977	80
32	89/1945	115	124	130	135	140	145	150	157	165	182/1963	79
28	130/1912	142	149	154	158	162	166	171	176	182	198/1974	78
24	138/1912	164	171	177	182	186	191	195	201	209	234/1978	76
20	170/1917	182	190	196	201	205	210	215	220	228	257/1981	74
16	175/1917	196	204	209	214	219	223	228	234	242	259/1963	72

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	4/22/1977	5/ 4	5/10	5/14	5/18	5/21	5/25	5/28	6/ 1	6/ 7	7/ 4/1903	80
32	4/10/1936	4/24	4/29	5/ 4	5/ 7	5/10	5/14	5/17	5/21	5/27	6/16/1945	79
28	3/30/1965	4/12	4/18	4/22	4/25	4/28	5/ 1	5/ 4	5/ 8	5/14	5/29/1947	78
24	3/17/1978	4/ 1	4/ 6	4/10	4/13	4/16	4/19	4/23	4/26	5/ 2	5/14/1912	76
20	3/ 8/1967	3/21	3/27	3/31	4/ 4	4/ 7	4/11	4/14	4/18	4/24	5/ 6/1917	74
16	3/ 4/1978	3/15	3/21	3/25	3/29	4/ 2	4/ 5	4/ 9	4/13	4/19	5/ 6/1917	72

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	8/22/1904	9/ 7	9/11	9/14	9/17	9/20	9/22	9/25	9/28	10/ 3	10/14/1963	80
32	8/25/1910	9/13	9/18	9/21	9/25	9/28	9/30	10/ 4	10/ 7	10/12	10/23/1972	79
28	9/ 9/1929	9/23	9/28	10/ 1	10/ 5	10/ 7	10/10	10/14	10/17	10/22	11/ 1/1963	78
24	9/12/1902	10/ 4	10/ 9	10/13	10/16	10/19	10/22	10/26	10/29	11/ 3	11/11/1965	76
20	9/25/1926	10/15	10/20	10/24	10/27	10/30	11/ 1	11/ 5	11/ 8	11/13	11/22/1965	74
16	10/ 9/1909	10/24	10/29	11/ 1	11/ 4	11/ 7	11/ 9	11/12	11/15	11/20	11/29/1963	72

Figure 2: Example of the tabular display format for monthly average temperatures, monthly standard deviations, heating, cooling and growing degree days and growing season probabilities. This example is for the weather station at Fort Collins, Colorado (station number 5-3005).

Heating and cooling degree days, temperature-derived variables that are related to energy requirements for heating or cooling buildings, were each computed for 5 base temperatures. Heating and cooling degree days are computed by taking the difference between the mean daily temperature (daily maximum plus daily minimum divided by 2) and a constant base temperature. When the mean daily temperature is below the base temperature, heating degree days occur. When the temperatures rise above the base temperature they are then called cooling degree days. These daily differences (degrees F) are accumulated for each day of the month to produce monthly totals. Monthly averages are simply determined by averaging the monthly totals for all available months.

Traditionally, 65°F has been used for the base temperature both for heating and cooling purposes. When the mean daily temperature was less than 65°, it was assumed that some supplemental heat would be necessary to maintain a constant comfortable indoor temperature. Likewise, when the mean temperature exceeds 65°, some cooling may be required. For poorly insulated structures housing low-tolerance residents, these assumptions are reasonable, but as insulation is increased, structures are less responsive to outdoor temperatures. Likewise, if residents can tolerate some indoor temperature fluctuations, no additional energy consumption may be required. But as it gets hot or cold enough, any occupied structure will eventually require heating or cooling. Therefore, the use of other base temperatures in addition to 65° may become more appropriate in some situations.

Growing degree days are derived from mean daily temperatures exactly like cooling degree days. When the mean daily temperature exceeds the specified base temperature, growing degree days are accrued. The purpose for computing growing degree days is to relate plant growth to temperature. The assumption here is that plants grow and mature faster with warmer temperatures. Some plants, such as cool-weather grasses grow under very cool conditions. Other plants, like beans, tomatoes and peppers require much warmer temperatures. Therefore, similar to heating and cooling degree days, several different thresholds are used in order to accomodate a variety of potential plant species.

A special definition of growing degree days was developed a number of years ago specifically for corn. It is well known that corn grows best during hot weather and does not

grow as well when temperatures are cool. But as temperatures get extremely hot, growth rates also slow. Therefore, some additional conditions were added to the basic degree day computation. The corn formulation uses a lower threshold of 50°F and an upper value of 86°. Whenever the maximum temperature exceeds 50° but the minimum temperature is less than the 50° the minimum is set equal to 50°. If either the maximum or minimum temperature exceeds 86° they are set equal to 86°. Therefore, the maximum number of corn growing degrees that can occur in a given day is 36 — that being when the high temperature is at least 86° and the low is 86°. Monthly averages of corn growing degree days are shown directly beneath the other growing degree day table. The label is abbreviated “Corn GDD.”

Growing season information is presented in the bottom half of the table of the “Temperature Summary” information for each station (see example in Figure 2). Probability tables are shown for total growing season length (number of days between the latest spring occurrence and the earliest autumn occurrence of a specified minimum temperature) and also separately for spring and autumn frost dates. Six different temperature thresholds are shown at 4 degree Fahrenheit intervals from 36° down to 16°. In computing these dates, missing data can create some difficulties. Therefore, anytime there were any missing days during the growing season when frosts could have been possible, data for that season was simply discarded. Readers can determine how much data were discarded by comparing the “Yrs.” column to the right of the growing season data with the “Period of Record” on the right hand side of the header information at the top of each table. In a few cases, much of the available data were discarded due to frequent missing values. Where probabilities are based on less than 20 years of data, the computation may not be terribly accurate. Keep this in mind as you use these results.

A few assumptions were made in computing frost probabilities and growing season length. First, July 20 was selected as the date for the middle of the summer. This decision has no bearing on most calculations but does influence computations for those high mountain stations with very short growing seasons. December 31 is used as the begin and end point for the year. This makes computations simple, but it creates some asymmetries for a few of Colorado’s warmest locations for fall and spring periods at the coldest threshold

temperatures. February 29 temperatures were not used. The final and perhaps most significant assumption was that the data are normally distributed. This assumption was tested on several long-term stations and was found to be appropriate. Mean and median dates were almost always identical. Therefore, for each station, means and standard deviations were computed for each variable. Probabilities were then derived based on the statistical normal distribution. The use of median values along with the width of the distribution between specified probabilities (e.g. between the 0.80 and 0.20 dates of nonexceedance) is an excellent method for determining how much year-to-year variation can be expected in frost dates and growing season length.

4. ANALYSIS OF STATEWIDE TEMPERATURES, DEGREE DAYS AND GROWING SEASON

4.1 General features

Various factors influence observed temperatures in Colorado. The most reliable and consistent force controlling Colorado temperatures is solar energy. The seasonal changes in solar energy over the entire hemisphere work together with other local factors to produce the seasonal patterns that are so clearly demonstrated by the graphs in this report. The air temperatures do not follow the solar energy curve exactly, however. As Figure 3 shows, the temperatures lag behind the solar energy by a few weeks.

The shape of the seasonal temperature curve is not identical in all parts of Colorado. It is also not exactly the same for maximum and minimum temperatures. Low elevation valleys, such as Grand Junction, Lamar and Sterling have very large seasonal temperature differences and begin steady warming already in late January that continues almost linearly until the first of July. The high mountains and eastern foothills show a significantly different curve. There the winter temperatures tend to remain consistently cold all the way into early March and then finally begin their upward climb toward July. Also, total winter-summer temperature differences are less in the mountains (for example, see Climax, Berthoud Pass, Estes Park, Evergreen). Throughout Colorado, daily maximum temperatures tend to reach their peak for the year in early July while daily minimum temperatures don't peak out until near the first of August. In the winter, maximum and minimum temperatures are more in phase with each other.

The basic seasonal temperature cycle occurs faithfully from year to year, but dramatic air mass changes and jet stream fluctuations create large day-to-day temperature changes that may sometimes seem to mask the seasonal cycle. The length of the vertical lines through the daily average high and low temperature on the graphs at the end of this report give a visual measure of the typical variations from the average high and low temperature for each day. The greatest day to day changes occur during winter. Areas east of the mountains see the most dramatic changes. Summer temperatures are much more consistent

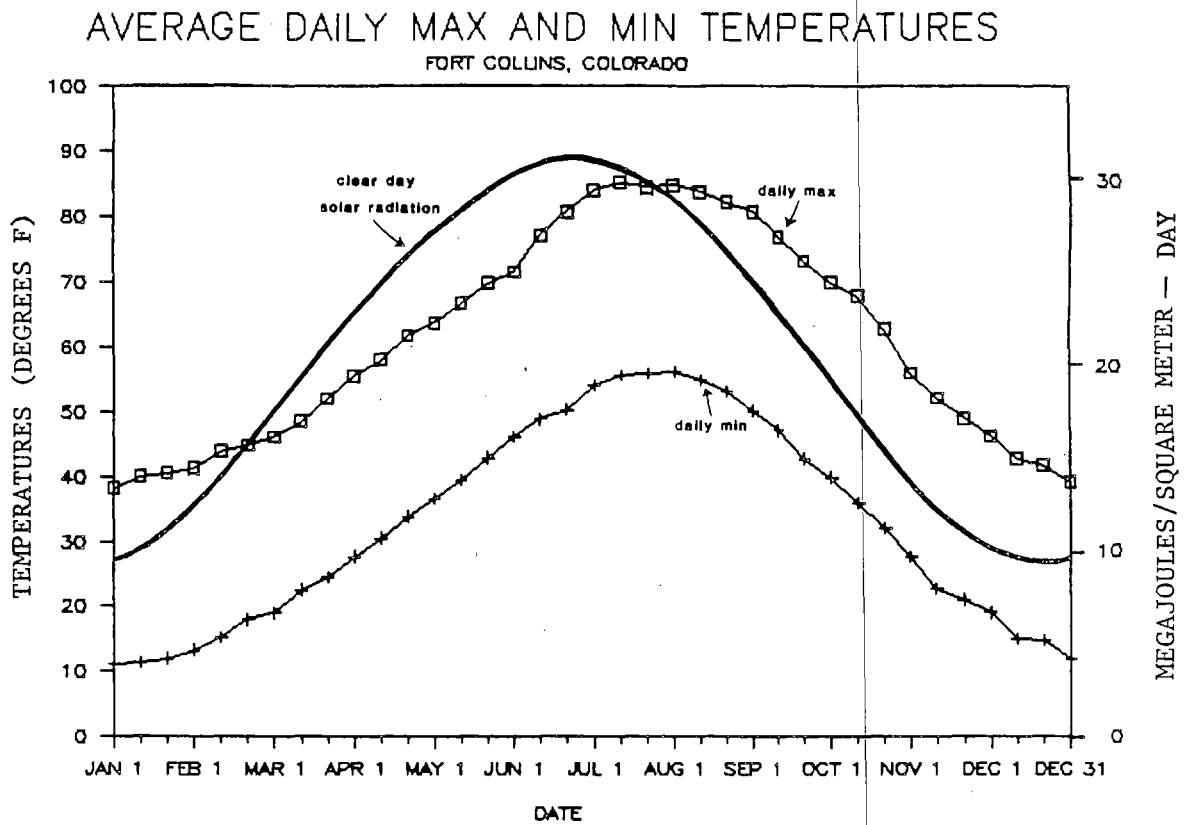


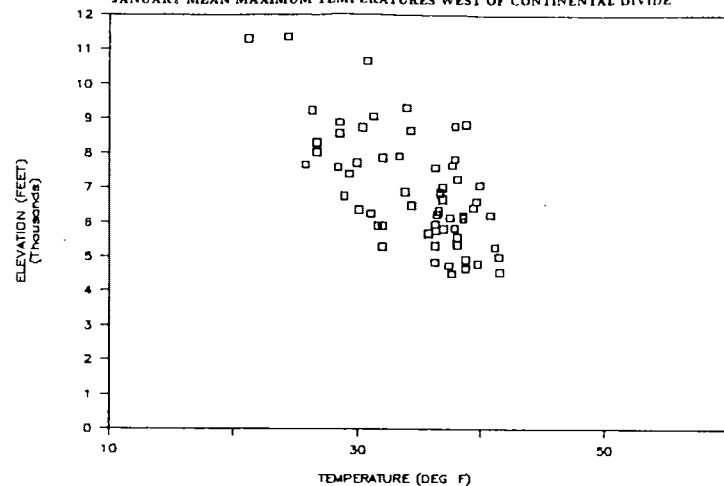
Figure 3: Annual curve of observed clear-day solar radiation (megajoules per square meter) for Fort Collins, Colorado, compared to seasonal curves of average daily maximum and minimum temperatures.

from day to day. For example, over most of the State, July temperatures are within just 3 to 4 degrees Fahrenheit of the daily average at least 50% of the time. By comparison, winter temperatures are more than 10 degrees above or below the daily averages at least 50% of the time at many locations east of the mountains. In other words, weather forecasters should be able to do a better job forecasting temperatures during the summer.

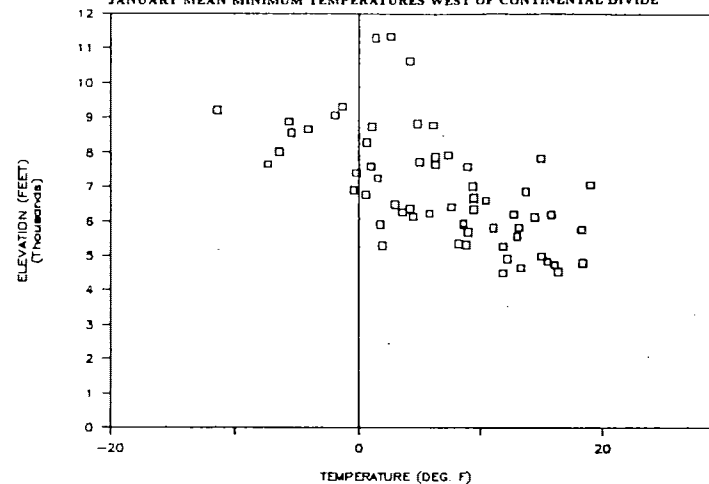
The influence of elevation on temperature is one of the factors that anyone who has ever lived or travelled in the mountains is familiar with. Most people assume that temperatures simply get colder the higher up we go. That tends to be true during the summer and especially during the afternoon. At night and in the winter, temperature patterns become much more complex. In an overall sense, temperatures still cool with height. But during clear, stable atmospheric conditions, cold air tends to drain downhill like water and get trapped in low spots. This creates many local temperature inversions and complicated temperature patterns. For people who live on hillsides outside of valley communities, they often find their temperatures warmer at night than down in town. But during cloudy, damp weather, temperatures are normally warmer down in the valley. During the day, the hillside locations are usually cooler both during clear and cloudy weather.

Figures 4 and 5 demonstrate some of these patterns described above. The variations of mean monthly temperatures with elevation for locations east and west of the Continental Divide are shown both for January (the coldest month of the year on average) and July (the warmest month of the year). Winter minimum temperatures decrease more rapidly with elevation west of the Continental Divide. Winter maximum and minimum temperatures east of the Continental Divide suggest a regional inversion with the warmest temperatures noted close to 6,000 feet above sea level. Summer maximum temperatures decrease a little more rapidly with elevation west of the Continental Divide than on the east side. Figure 6 shows how the seasonal temperature range varies with elevation. The seasonal temperature range is defined as the difference between the monthly mean temperature at each station of their warmest and coldest month — usually July and January, respectively. In general, seasonal range decreases with elevation. Seasonal ranges tend to be a little higher in western Colorado. Valley bottoms, regardless of elevation, have larger seasonal ranges than their

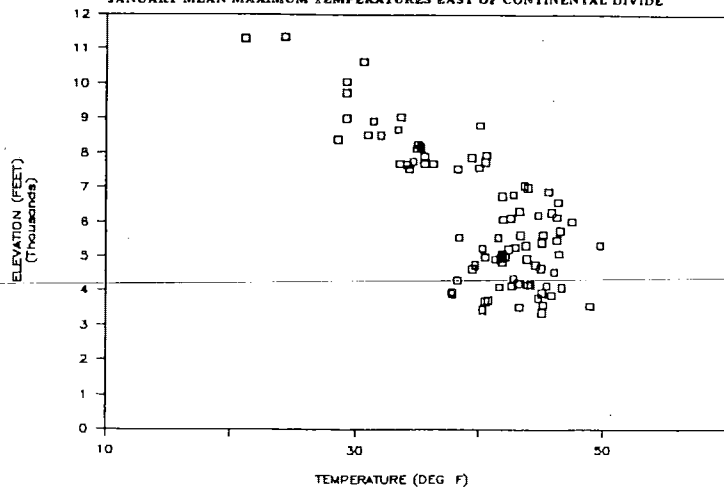
A. TEMPERATURE — ELEVATION RELATIONSHIP
JANUARY MEAN MAXIMUM TEMPERATURES WEST OF CONTINENTAL DIVIDE



B. TEMPERATURE — ELEVATION RELATIONSHIP
JANUARY MEAN MINIMUM TEMPERATURES WEST OF CONTINENTAL DIVIDE



C. TEMPERATURE — ELEVATION RELATIONSHIP
JANUARY MEAN MAXIMUM TEMPERATURES EAST OF CONTINENTAL DIVIDE



D. TEMPERATURE — ELEVATION RELATIONSHIP
JANUARY MEAN MINIMUM TEMPERATURES EAST OF CONTINENTAL DIVIDE

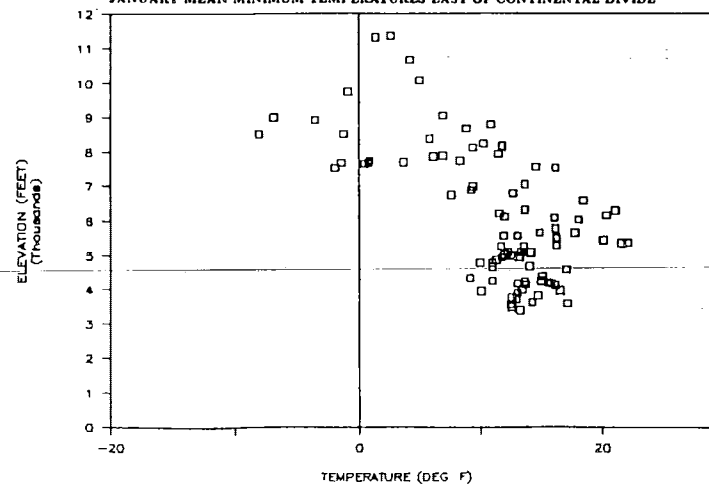
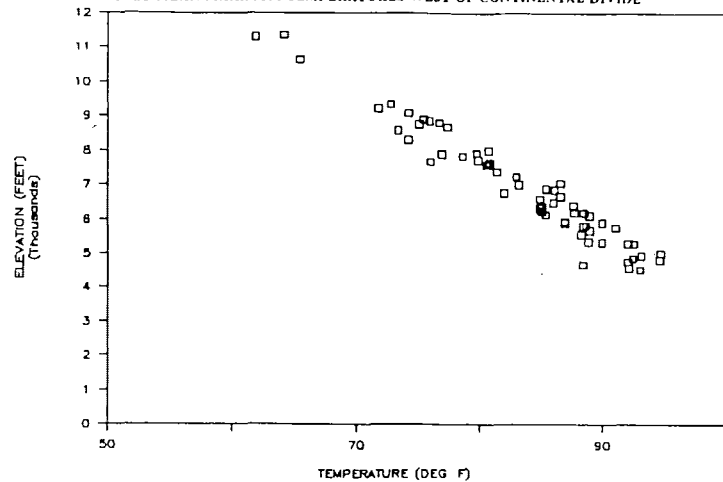
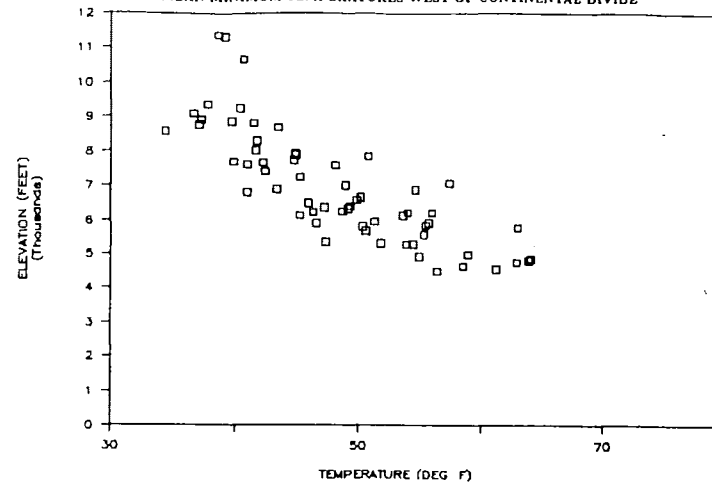


Figure 4: Average January temperatures in Colorado as a function of elevation: A) average maximum temperatures west of Continental Divide, B) average minimum temperatures west of Continental Divide, C) average maximum temperatures east of Continental Divide, and D) average minimum temperatures east of the Continental Divide.

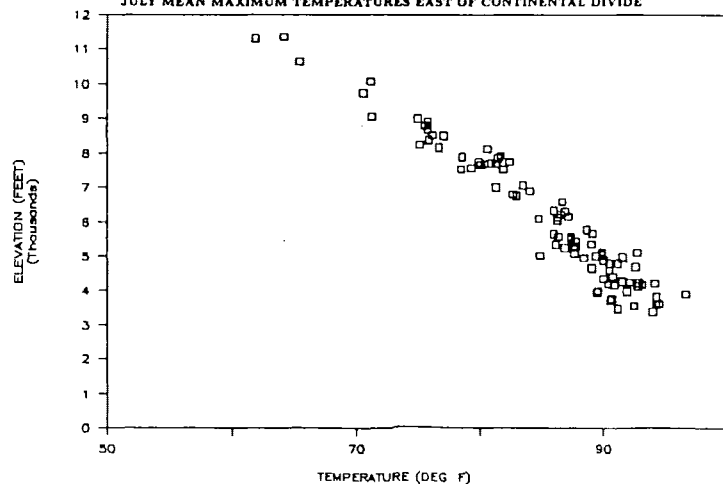
A. TEMPERATURE — ELEVATION RELATIONSHIP
JULY MEAN MAXIMUM TEMPERATURES WEST OF CONTINENTAL DIVIDE



B. TEMPERATURE — ELEVATION RELATIONSHIP
JULY MEAN MINIMUM TEMPERATURES WEST OF CONTINENTAL DIVIDE



C. TEMPERATURE — ELEVATION RELATIONSHIP
JULY MEAN MAXIMUM TEMPERATURES EAST OF CONTINENTAL DIVIDE



D. TEMPERATURE — ELEVATION RELATIONSHIP
JULY MEAN MINIMUM TEMPERATURES EAST OF CONTINENTAL DIVIDE

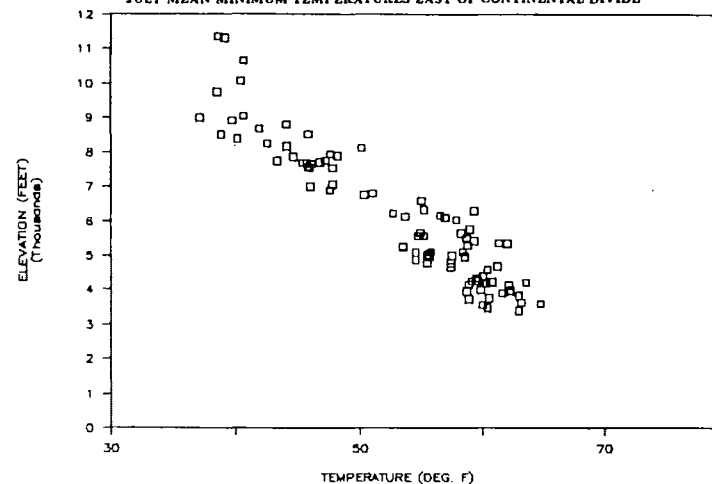
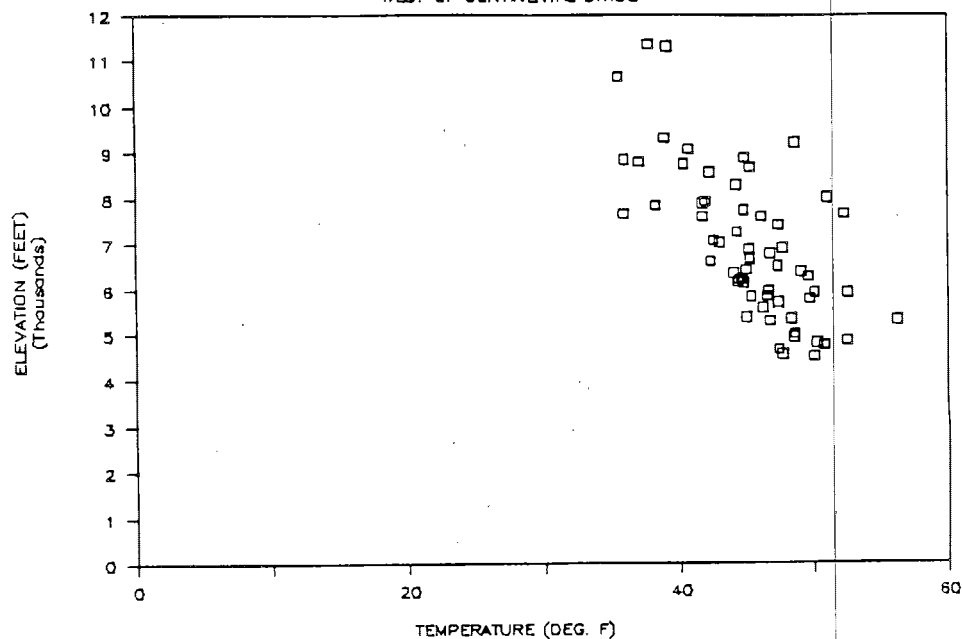


Figure 5: Average July temperatures in Colorado as a function of elevation: A) average maximum temperatures west of Continental Divide, B) average minimum temperatures west of Continental Divide, C) average maximum temperatures east of Continental Divide, and D) average minimum temperatures east of the Continental Divide.

A. SEASONAL TEMP. RANGE VS. ELEVATION
WEST OF CONTINENTAL DIVIDE



B. SEASONAL TEMP. RANGE VS. ELEVATION
EAST OF CONTINENTAL DIVIDE

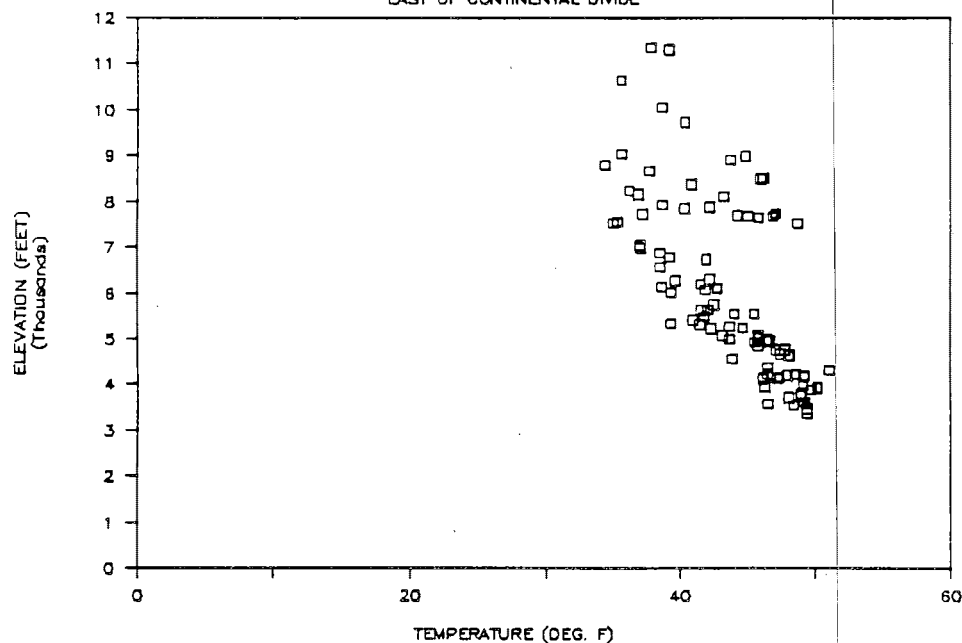


Figure 6: Colorado seasonal temperature ranges (difference between the July and the January mean monthly temperatures) as a function of elevation: A) west of Continental Divide and B) east of the Continental Divide.

surroundings. Wind patterns near the mountains also influence seasonal ranges. The lowest seasonal temperature ranges tend to be locations with persistent moderate winds, while areas with large seasonal ranges tend to have relatively light winter and summer winds. An interesting jagged pattern is evident in the relationship with elevation of the seasonal temperature ranges east of the Continental Divide. Much of this is due to the fact that many eastern slope valleys are prone to frequent westerly downslope winds during the winter while the San Luis Valley and the lower portion of South Park are often calm and frigid.

4.2 Diurnal Temperature Range

The diurnal temperature range refers to the difference between daytime and nocturnal temperatures. Diurnal ranges are best calculated by taking the difference between each day's maximum and minimum temperatures. These differences, averaged over time, appear as the vertical distance between the curves of average daily maximum and minimum temperatures on the graphs for each station (at the end of this report).

Some interesting variations in diurnal range occur across Colorado. In general, diurnal ranges increase from winter to summer. There are many local variations, however. The lowest diurnal ranges typically occur on slopes, ridges, mountain tops and passes. None of the climate observing sites in Colorado are located to represent a minimum in diurnal range. Average diurnal ranges as low as 15 degrees F are probably possible in the state. At Climax, the annual average diurnal range is 23.4° varying between monthly averages of 21.6° in December to 25.5° in July. Diurnal ranges are also relatively low in the eastern foothills of the Rockies. Boulder, for example, has an annual average diurnal range of 26.7° as does Colorado Springs. Many individual days have much lower ranges. During cloudy, wet periods observed most often east of the mountains during spring months, day- night temperature differences may be only a few degrees.

The largest diurnal ranges occur in valleys, especially valleys with infrequent cloud cover, such as the San Luis Valley. Alamosa has an average annual diurnal range of 35.4° ranging from a low of 32.7° in March to 38.1° in October. Gunnison sees average diurnal ranges

in excess of 40° during September and October. Individual days in the autumn have been known to have 60° ranges. That certainly makes dressing for work or school a challenge.

Coloradoans and other residents of the dry southwestern states are accustomed to these large day-to-night differences. But in other parts of the country, such changes are unheard of. Here, for comparison, are average annual diurnal ranges for a set of well-known cities across the country.

City	Average Diurnal Temperature Range
Seattle, Washington	14.1°F
Los Angeles, California	15.1°F
Chicago, Illinois	19.0°F
New Orleans, Louisiana	19.0°F
Boston, Massachusetts	15.1°F
Washington, D.C.	18.0°F
Miami, Florida	13.9°F

4.3 Temperature Extremes

For each day of the year for all 148 locations summarized in this report, the highest and lowest temperatures ever reported on that date for the years with digital data are displayed. In many ways, it is these extremes that have had the greatest influence on our lives here in Colorado. For example, the extreme cold of February 1989 (too recent to appear on these graphs) damaged fruit trees and winter wheat, killed livestock and wildlife, contributed to forest fires later in the summer that destroyed millions of dollars of property and resulted in unprecedented consumption of fossil fuels. There may not be a story behind every dot on those graphs, but you can be sure that there was a price to pay for many of those record highs and lows. Weather observers work to collect accurate observations and the methods used to transcribe and process the data are also designed to provide accurate results. However, a few erroneous temperatures have found their way into the data files. One example is found in the data for Gunnison. Two occurrences of minimum temperatures of 2°F and 10°F appear in July and August. Quite frankly, those are data entry errors (not weather observer errors) that were never caught or corrected during the original quality control process at the National Climatic Data Center. Wind vibrations, sunshine striking the thermometer, mercury separation within the thermometer and occasional reading or

writing errors on the part of the observer are some of the causes of erroneous extremes. These same problems affect all temperature observations, but they are easiest to notice when they result in record-breaking temperatures.

A great deal of information about a city's climate can be derived from its extremes. It is interesting to note how extreme values are quite consistent from day to day during parts of the year (summer and early autumn), while at other times even the stations with close to 100 years of analyzed data show day-to-day variations in extremes of 20 degrees or more. Daily extremes of winter minimum temperatures are the most variable, particularly east of the mountains. This is related to the fact that several conditions must be met simultaneously to achieve truly severe cold. Depending on snowcover, cloud cover, wind speed and wind direction and perhaps even soil temperature, an identically frigid Arctic airmass can produce widely varying minimum temperatures. As a result, it may take as long as several hundred years before similarly severe cold has occurred at a station on every day during the winter. Only then will the distribution of daily extremes become as smooth and consistent as the daily average maximum and minimum temperatures.

Another interesting feature of extremes is that there is a large seasonally varying difference between mean and extreme values. During the summer, all-time record highs and lows are often only 15 degrees or less above or below the means. During the winter, these differences are much greater. Some minimum extremes east of the mountains are more than 50 degrees colder than the average minimum for that date. There are systematic differences in these relationships as you move to different climatic areas within Colorado.

To the best of our knowledge, the all-time official highest temperature ever reported in Colorado was 114°F. Early data from the 19th century originally showed 118° at Bennett, Colorado on 11 July 1888 to be the State record. Later studies have shown that temperature to be invalid. Most likely the instrument used was erroneous or was installed in such a way as to absorb solar energy during the day. The 114° reading is realistic and has occurred twice. Las Animas, a traditional Colorado hot spot, reached that temperature on 1 July 1933. That record was equalled on 11 July 1954 at Sedgwick during the great summer heatwave that set many records in Colorado and other states that year. There is less

controversy about the coldest temperature. Maybell dropped to -61°F on 1 February 1985. State and federal officials verified the accuracy of that reading shortly after it was reported. The previous record, -60° was held by Colorado's traditional icebox, Taylor Park Reservoir. Taylor Park again hit the -60° mark on the morning when Maybell established the new State record. Lower temperatures have been observed unofficially, and slightly colder locations are possible in high mountain valleys. Fortunately, almost all of Colorado's coldest temperature extremes are accompanied by very light winds.

Elevation certainly has an influence on extreme temperatures. Figures 7 and 8 show the average number of days per year $\geq 90^{\circ}$ and $\leq 0^{\circ}\text{F}$ as a function of elevation. Hot temperature extremes decrease systematically with elevation in Colorado while minimum temperature extremes are much more variable. For example, there is a 3,300 foot elevation difference between Taylor Park and Maybell, but both locations have seen temperatures of -60°F . Up at 11,300 feet at the Climax and Berthoud Pass weather stations, temperatures have never been colder than -33°F . Because of the effect of cold air trapping in valleys, high snow-covered valleys west of the Continental Divide have the highest frequency of subzero temperatures. Near an elevation of 9,000 feet, an incredible variation in the average number of days $\leq 0^{\circ}$ is observed. At Georgetown (elevation 8,610 feet) the annual average is only 8. At Taylor Park Reservoir (elevation 9,210 feet) the average is 91 days. Frequent westerly downslope winds in mountain valleys east of the Continental Divide are responsible for reducing the likelihood for subzero temperatures.

4.4 Degree Days

The map in Figure 9 shows average total annual heating degree days for a base temperature of 65°F . Totals range from a low value of 4,216 (less than Louisville, Kentucky) in extreme southeast Colorado and 4,750 at Canon City to more than 12,000 at Climax (Fremont Pass) and Berthoud Pass (more than International Falls, Minnesota). Annual heating degree day totals increase systematically with elevation both east and west of the Continental Divide (Figure 10). Over the State as a whole, annual heating degree day totals increase at a rate of a little more than 1,000 per thousand feet of elevation. However, at

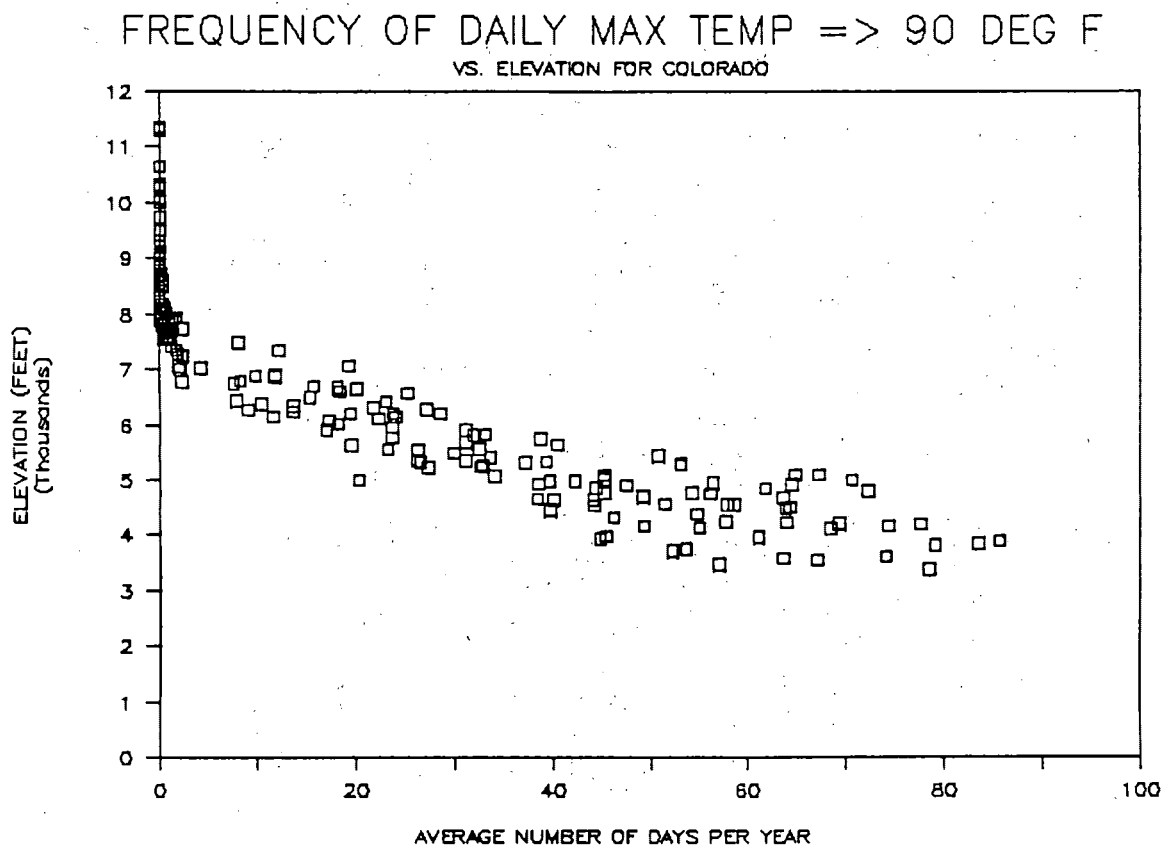


Figure 7: Average number of days per year with maximum daily temperatures $\geq 90^{\circ}\text{F}$ as a function of elevation in Colorado, both east and west of the Continental Divide.

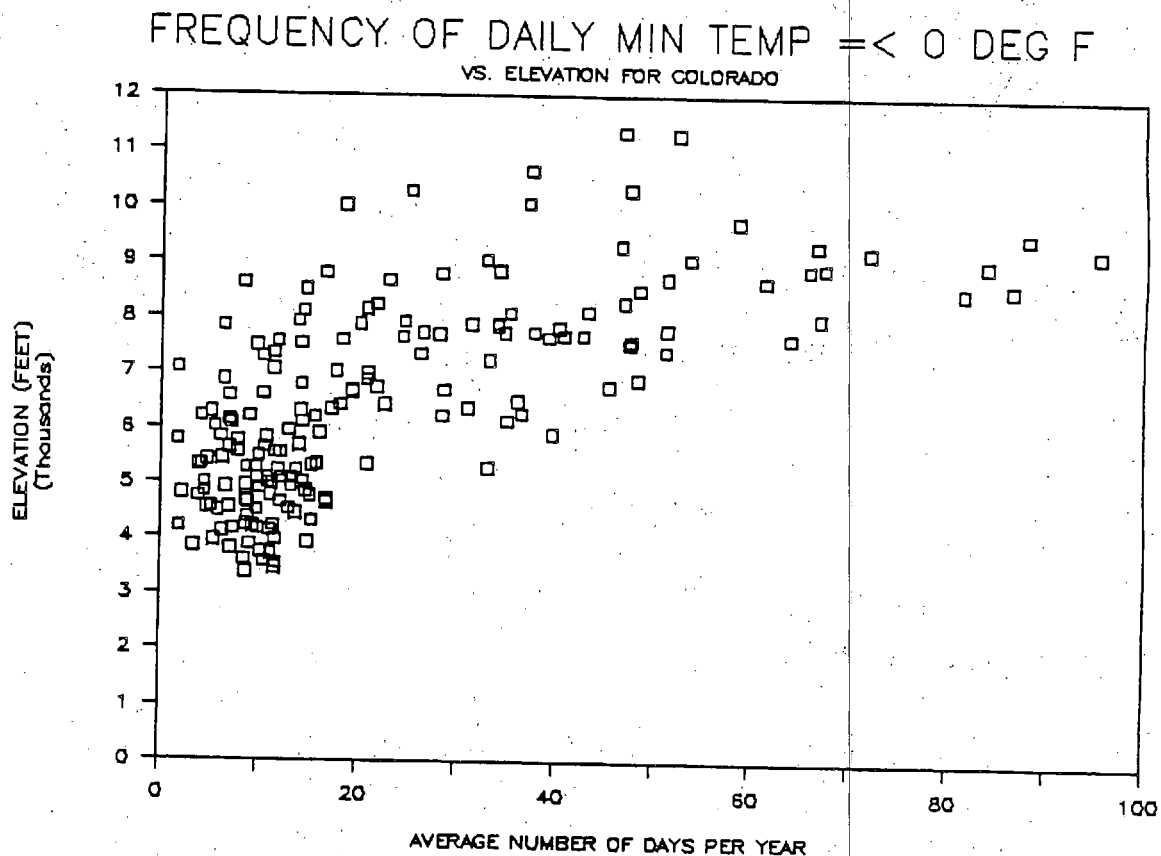


Figure 8: Average number of days per year with minimum daily temperatures $\leq 0^{\circ}\text{F}$ as a function of elevation in Colorado, both east and west of the Continental Divide.

Colorado

Heating Degrees (65° F. base)
For Selected Stations

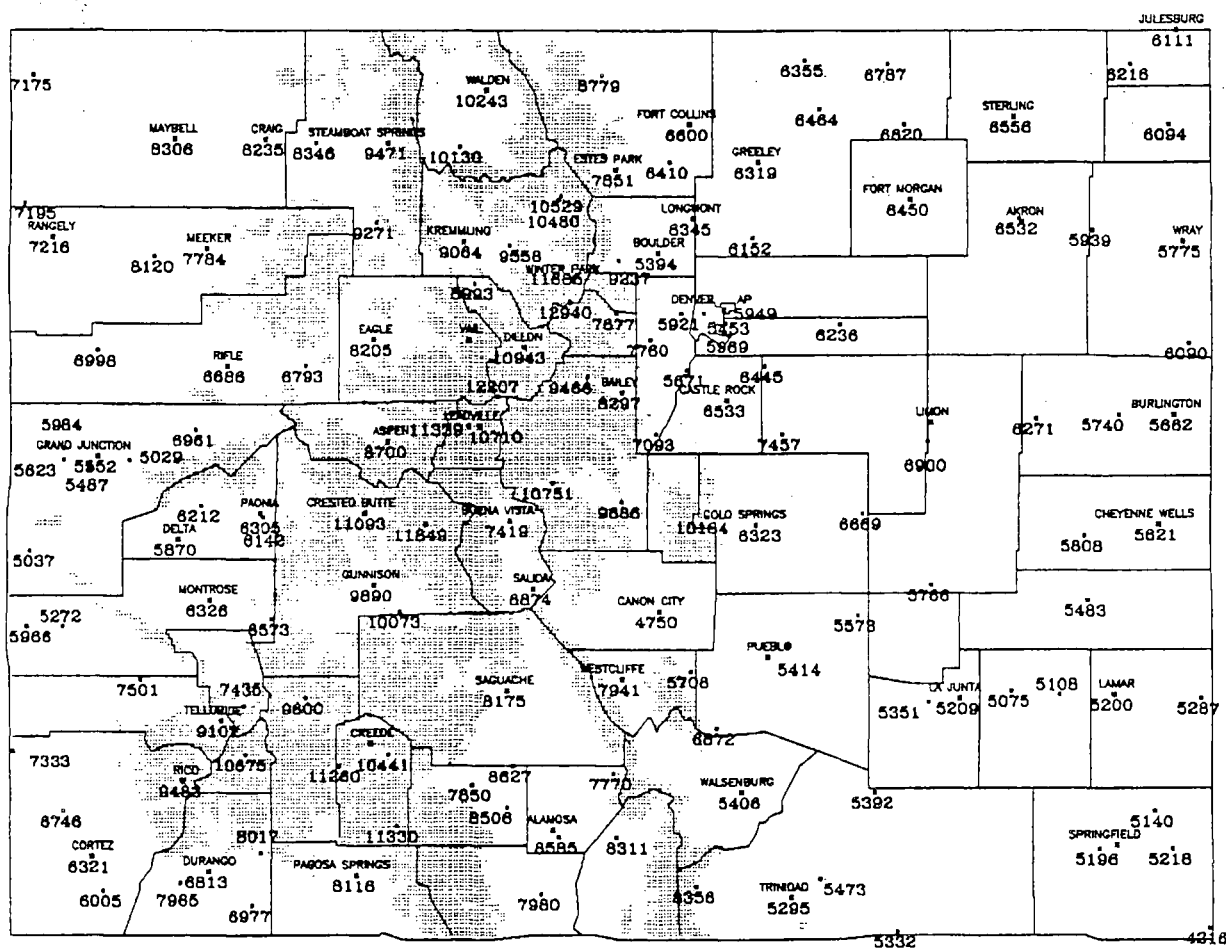
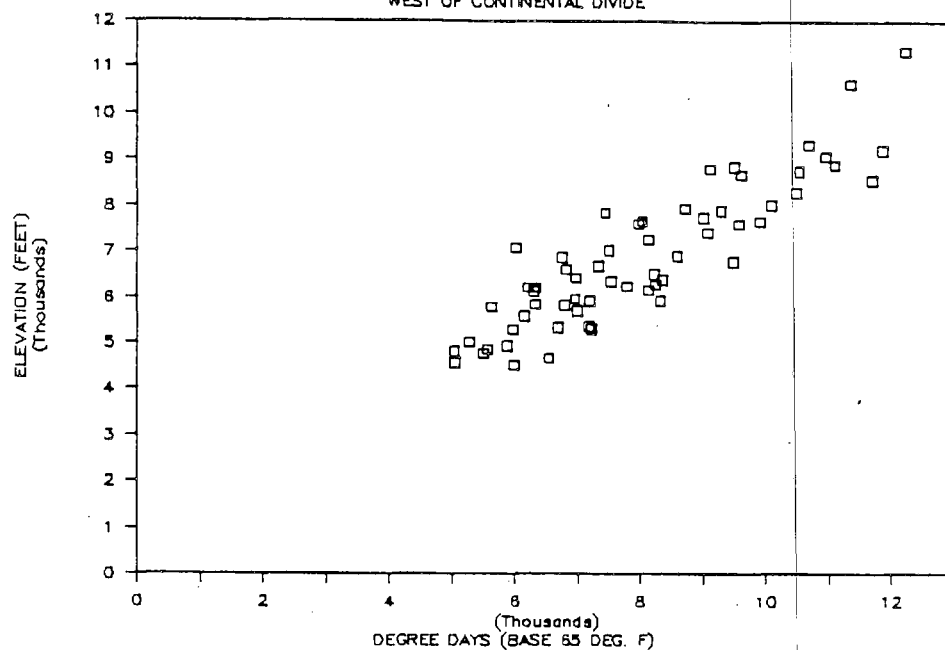


Figure 9: Average annual heating degree day totals (base 65°F) for 148 weather stations in Colorado. Shaded areas are elevations greater than 9,000 feet.

A. ANNUAL HDD – ELEVATION RELATIONSHIP
WEST OF CONTINENTAL DIVIDE



B. ANNUAL HDD – ELEVATION RELATIONSHIP
EAST OF CONTINENTAL DIVIDE

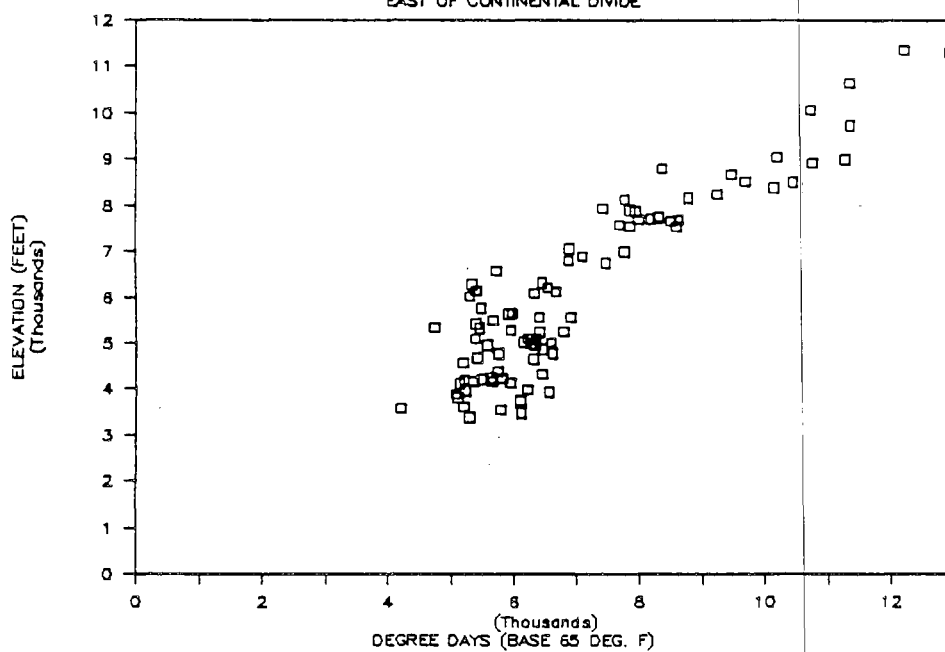


Figure 10: Average annual heating degree day totals (base 65°F) as a function of elevation west (A) and east (B) of the Continental Divide in Colorado.

a given elevation, local differences result in degree day totals that may vary by as much 2,000.

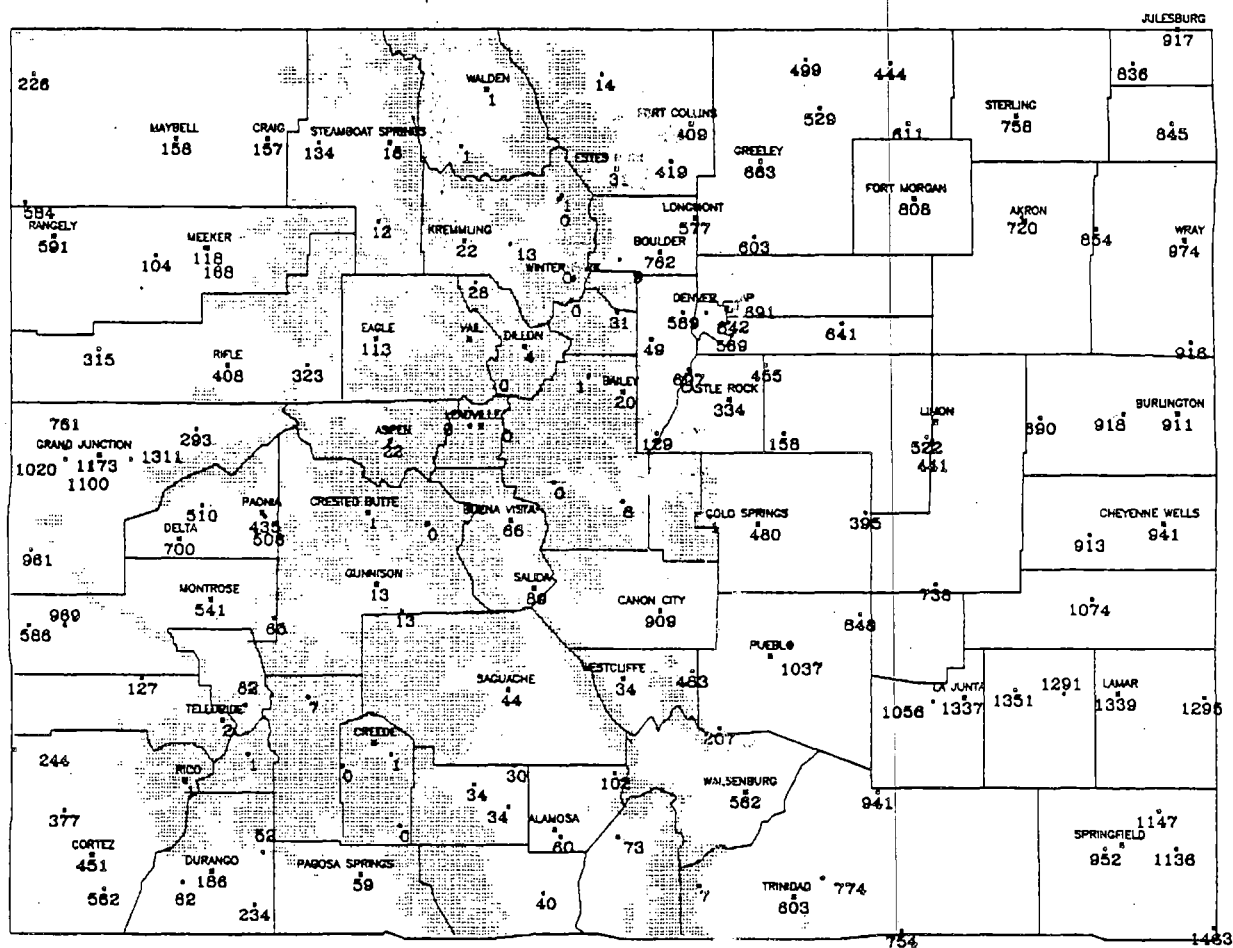
Colorado is not known for needing air conditioners night and day during the summer. Indeed, most lower elevation areas receive between 400 and 1,000 cooling degree day (base 65°) per year (Figure 11). Only 5 weather stations in the State, primarily in the lower Arkansas Valley, exceed 1,300. For comparison Houston, Texas, averages 2,761 cooling degree days per year and Miami, Florida, totals 4,095. Chicago's cooling degree day average of 740 is similar to areas in northeast Colorado. Factoring in Colorado's lower humidities, Chicagoans still require much more air conditioning to be comfortable than do residents in Sterling. Cooling degree days drop off very rapidly in Colorado with elevation (Figure 12). By the 7,000 foot level, summer totals are less than 200. Above 8,000 foot, cooling degree days are almost unheard of.

May through September corn growing degree days are plotted on Figure 13. Totals reach as high as 3,000 near Grand Junction and in the Arkansas Valley downstream from Rocky Ford. In Colorado, corn is rarely grown successfully where totals fall much below 2,200. Corn growing degree days exhibit a better relationship with elevation than any of the other computed degree day parameters (Figure 14). Totals decrease with elevation at essentially the same rates on either side of the Continental Divide.

4.5 Growing Season

This report contains, to our knowledge, the most extensive compilation of freeze probabilities and growing season lengths ever assembled for Colorado. Data for the median date for spring and fall freeze occurrences and the total growing season length between spring and fall freezes are displayed in Figures 15, 16, 17 and 18. The median date of the last spring occurrence of temperatures $\leq 32^{\circ}\text{F}$ ranges from as early as April 20 at Palisade to as late as July 16 at Fraser. The median data for the first autumn freezes occur as early as July 20 at Fraser to as late as October 21 at Grand Junction. Growing season length, based on the 32° threshold, ranges from just a few days or weeks up in the high country

Cooling Degrees (65° F. base) For Selected Stations



26

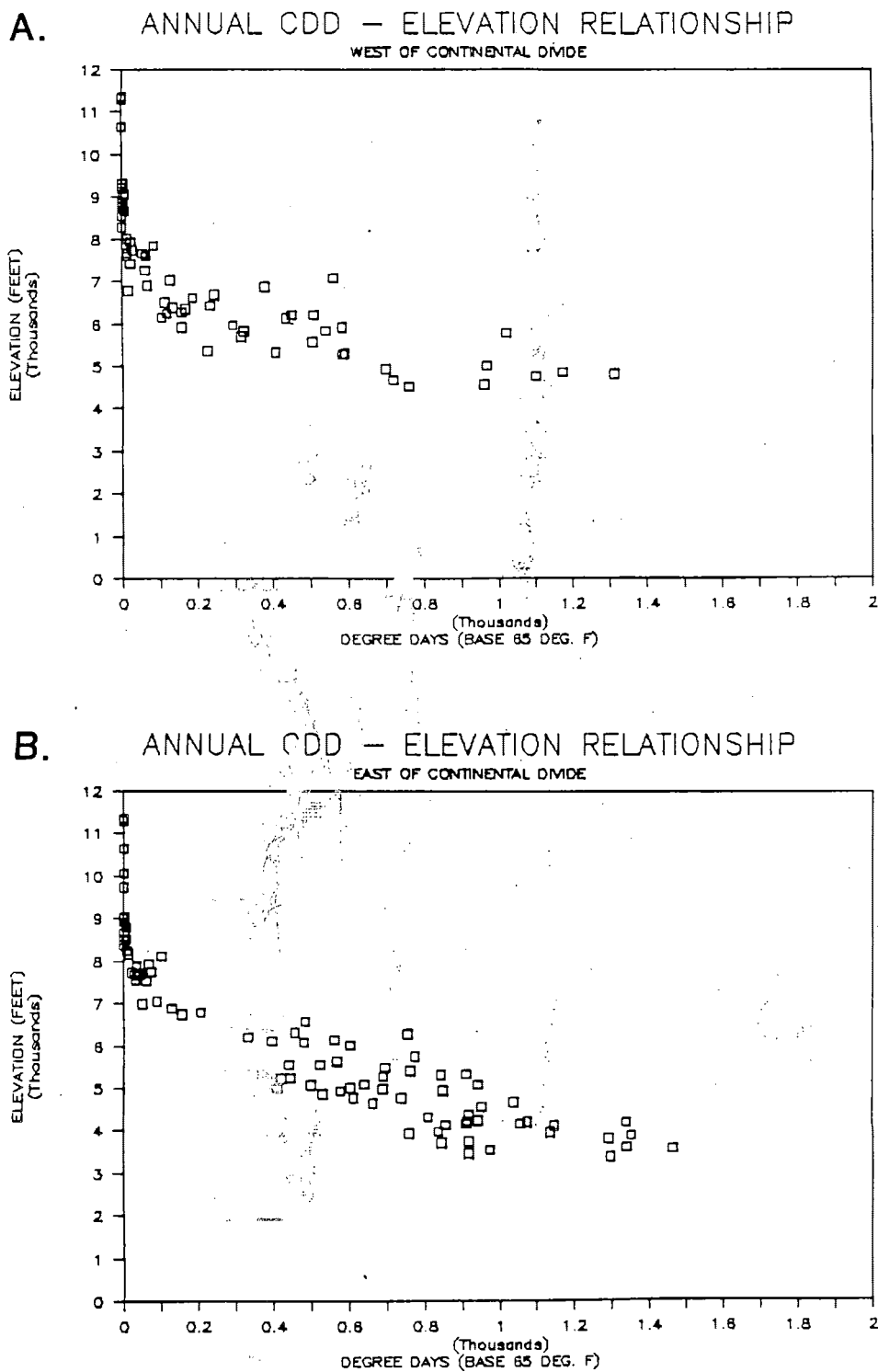


Figure 12: Average annual cooling degree day totals (base 65°F) as a function of elevation west (A) and east (B) of the Continental Divide in Colorado.

Corn Growing Degree Days
May - September

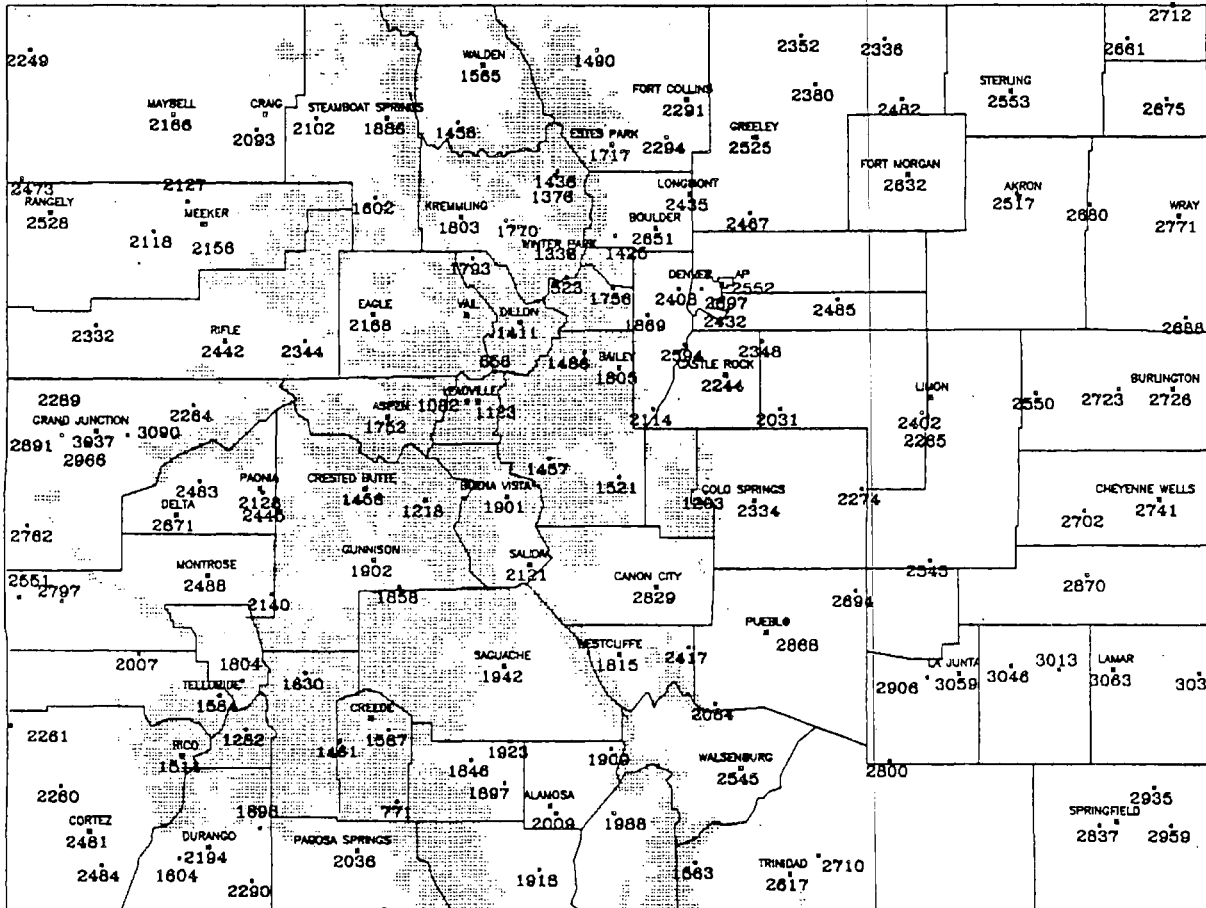
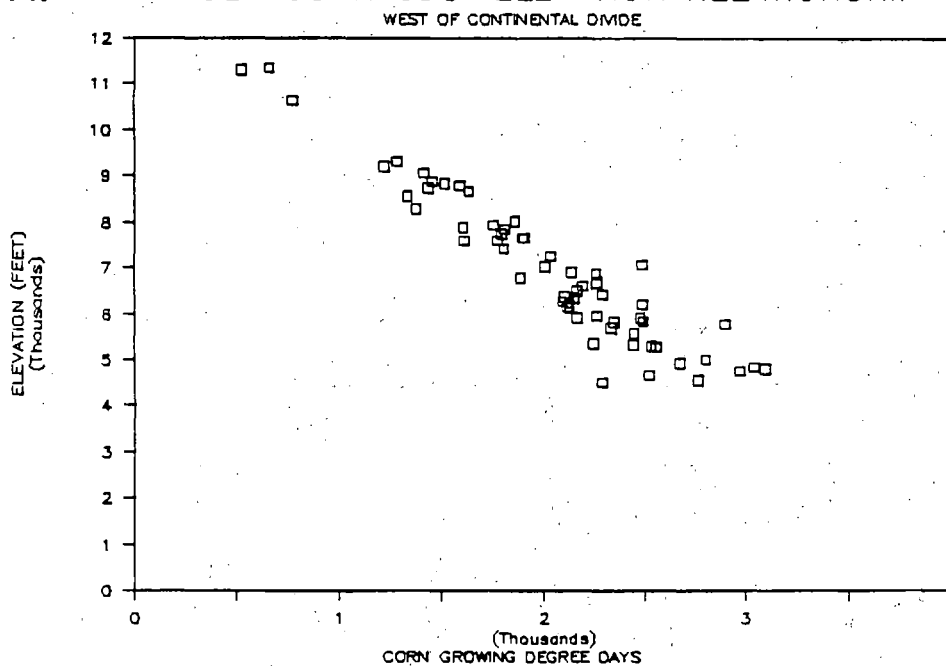


Figure 13: Average May through September corn growing degree days for 148 weather stations in Colorado. Shaded areas are elevations greater than 9,000 feet.

A. MAY-SEP CORN GDD-ELEVATION RELATIONSHIP



B. MAY-SEP CORN GDD-ELEVATION RELATIONSHIP

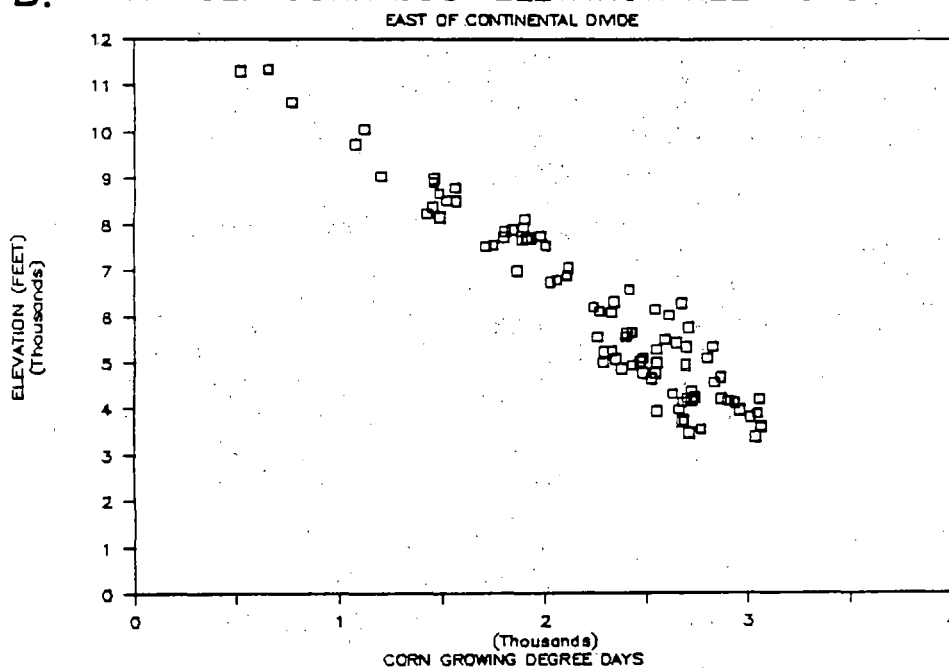


Figure 14: Average May through September corn growing degree days as a function of elevation west (A) and east (B) of the Continental Divide in Colorado.

Colorado

Last Frost dates (32° Threshold)

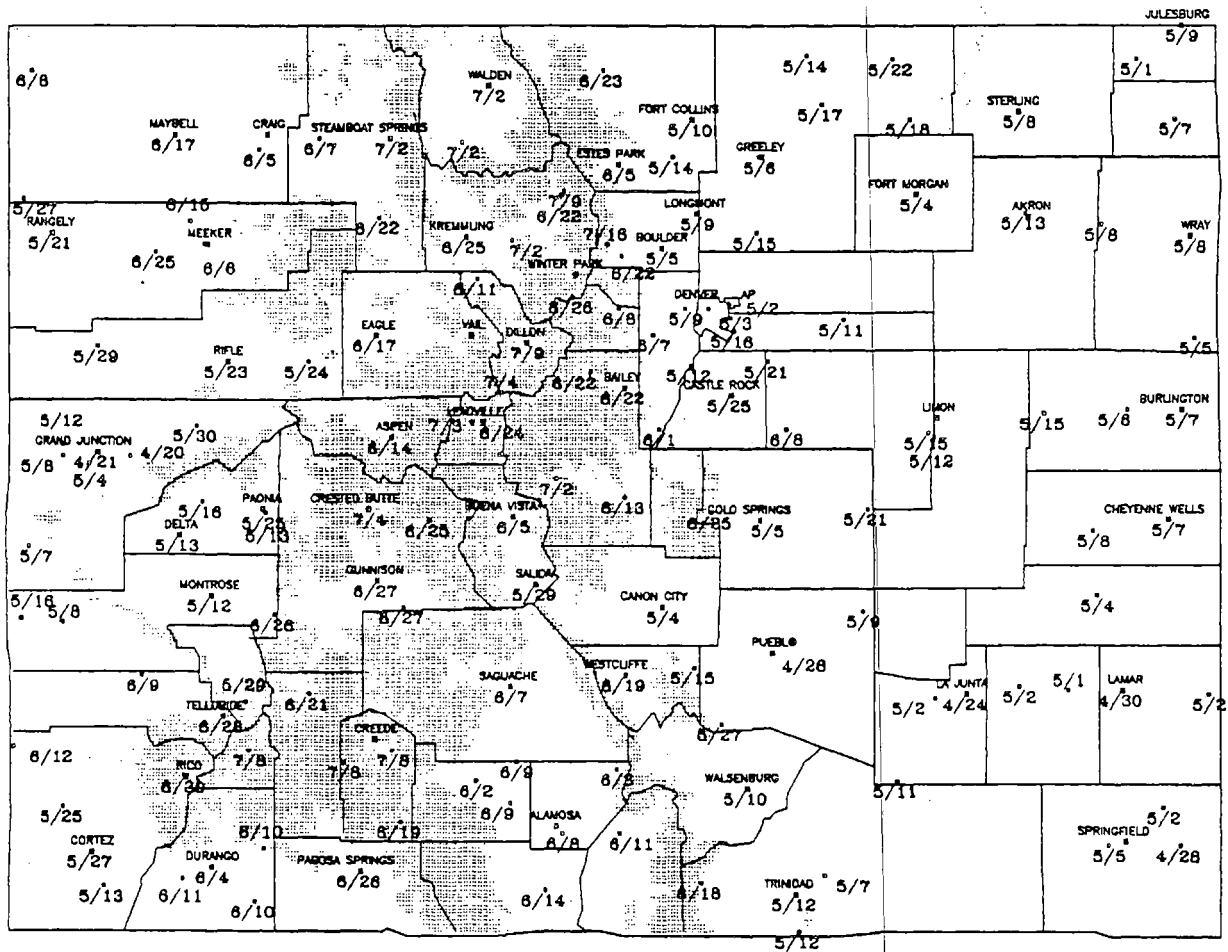


Figure 15: The median date (0.50 probability of nonexceedance) of the last spring occurrence of temperatures $\leq 32^{\circ}\text{F}$ for weather stations in Colorado. Shaded areas are elevations greater than 9,000 feet.

First Frost dates
(32° Threshold)

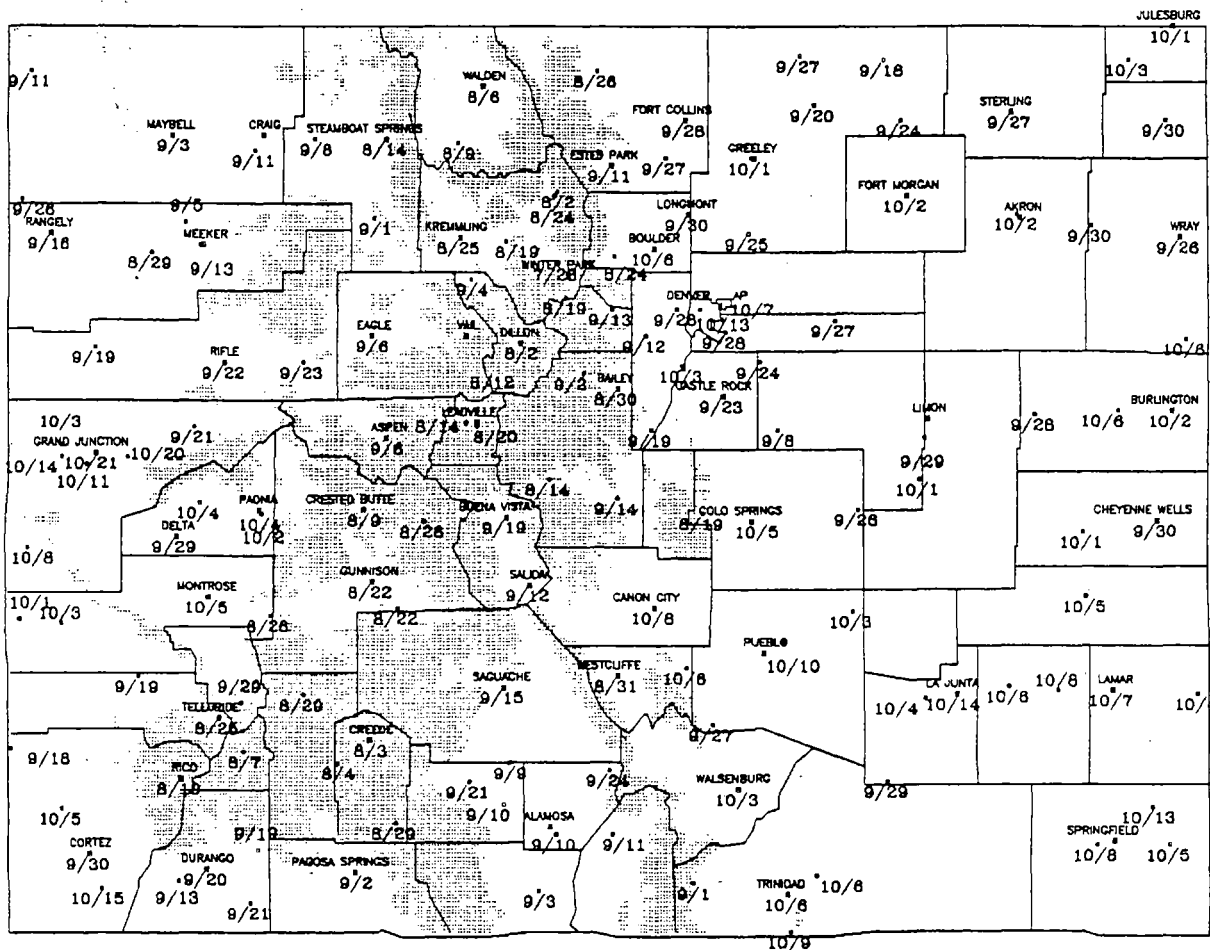
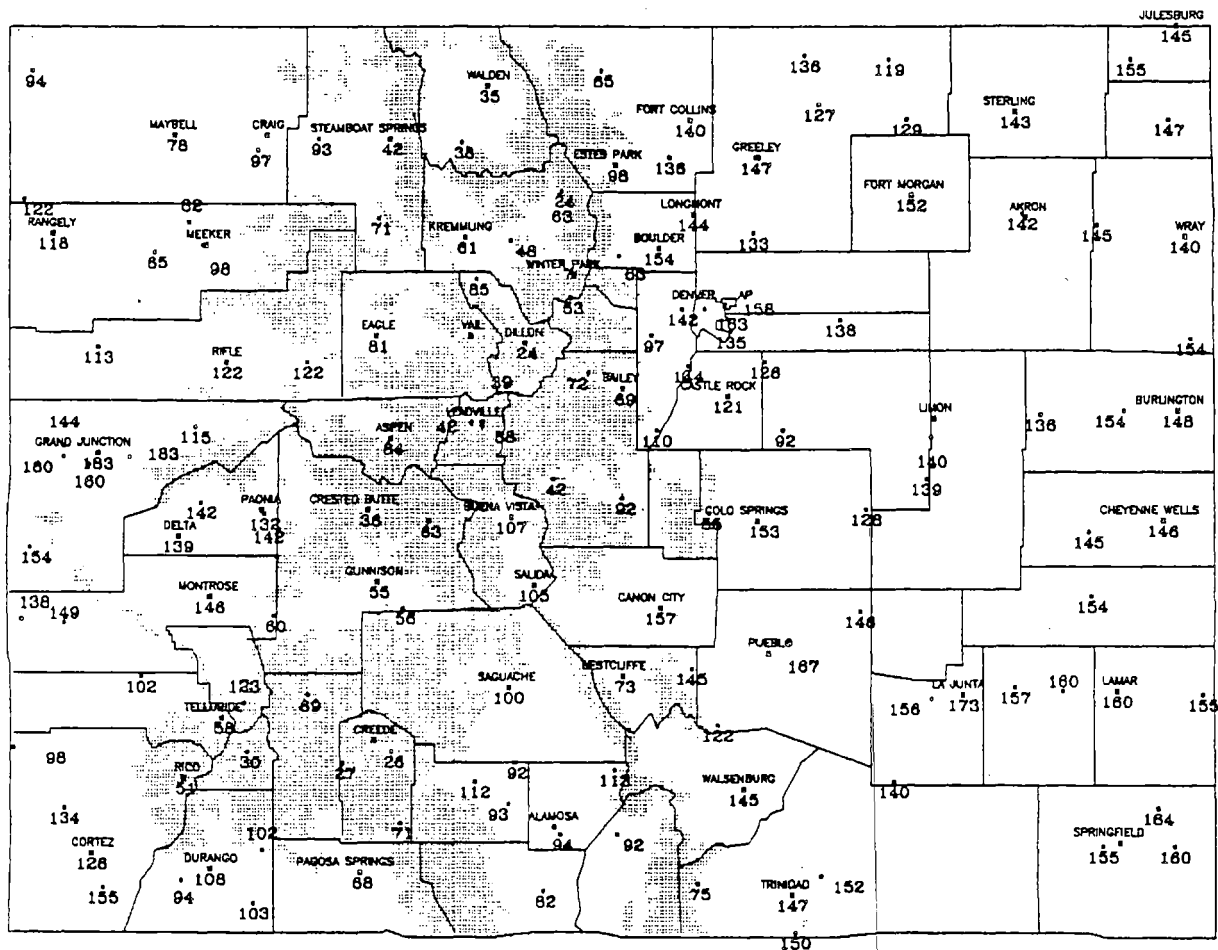


Figure 16: The median date (0.50 probability of nonexceedance) of the first autumn occurrence of temperatures $\leq 32^{\circ}\text{F}$ for weather stations in Colorado. Shaded areas are elevations greater than 9,000 feet.

Growing Season Length (32° Threshold)



32

Colorado

Growing Season Length (28° F. Threshold)

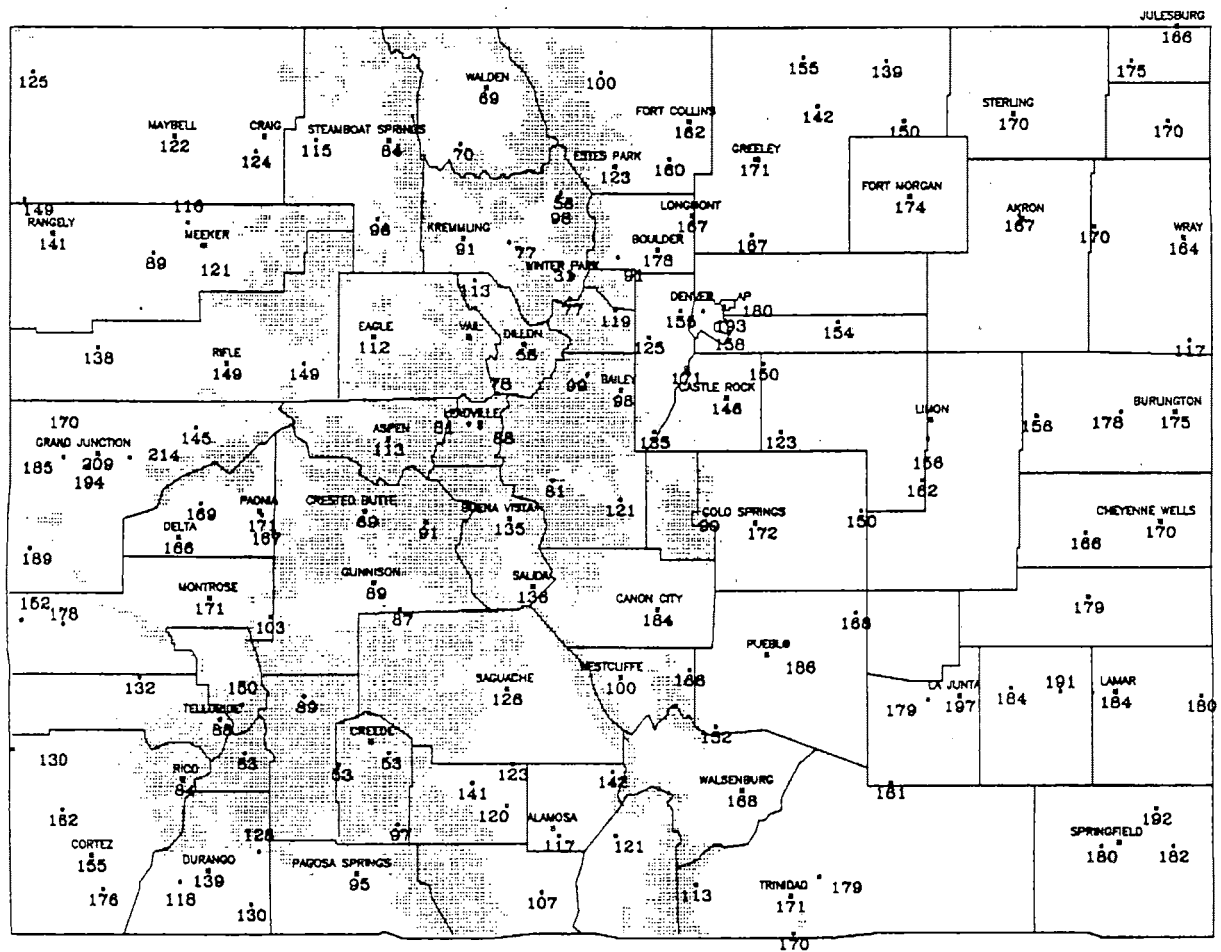
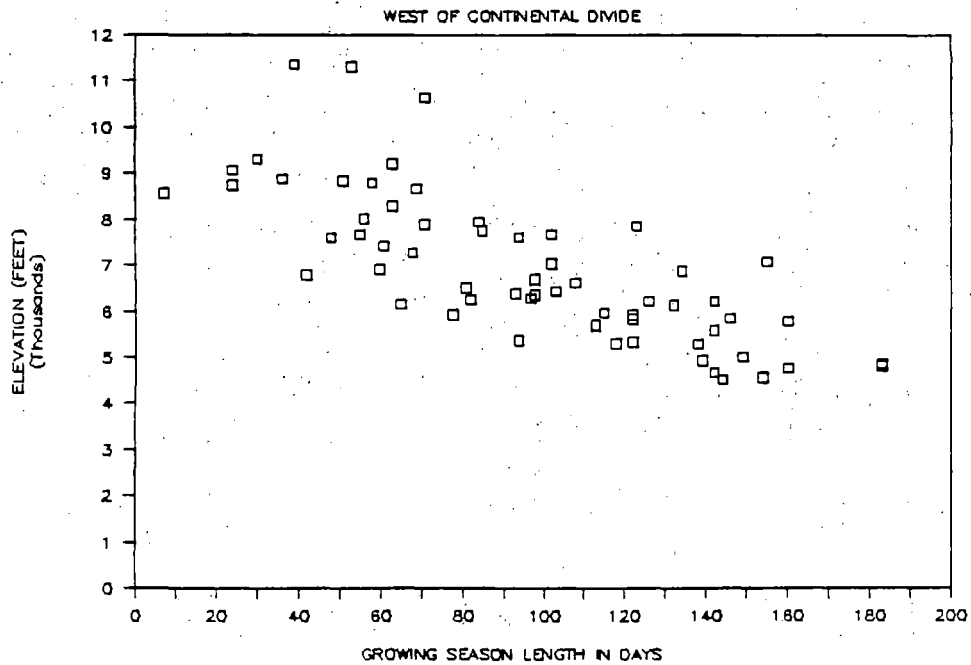


Figure 18: The median² length (0.50 probability of nonexceedance) of the growing season in Colorado based on the average number of days between the last spring occurrence and the first autumn occurrence of minimum temperatures for $\leq 28^{\circ}\text{F}$. Shaded areas are elevations greater than 9,000 feet.

to 183 days at Grand Junction and Palisade. It is not surprising from these results that Colorado's fruit industry developed where it did.

Figure 19 shows the effect of elevation on growing season length on each side of the Continental Divide. Again it is evident that elevation plays an important role but is not the sole controlling factor. The relationship with elevation is a bit tighter east of the Continental Divide. West of the Divide, the rate of change with height appears to be a bit greater. It is interesting to note that the 155 day growing season at Mesa Verde National Park is the longest growing season in the State other than the Grand Junction area, the lower Arkansas Valley and the immediate Denver metropolitan area. For its elevation of over 7,000 feet, Mesa Verde the growing season length is unusually long. The early Indian settlers certainly knew what they were doing when they took up residence there.

A. GROWING SEASON — ELEVATION RELATIONSHIP



B. GROWING SEASON — ELEVATION RELATIONSHIP

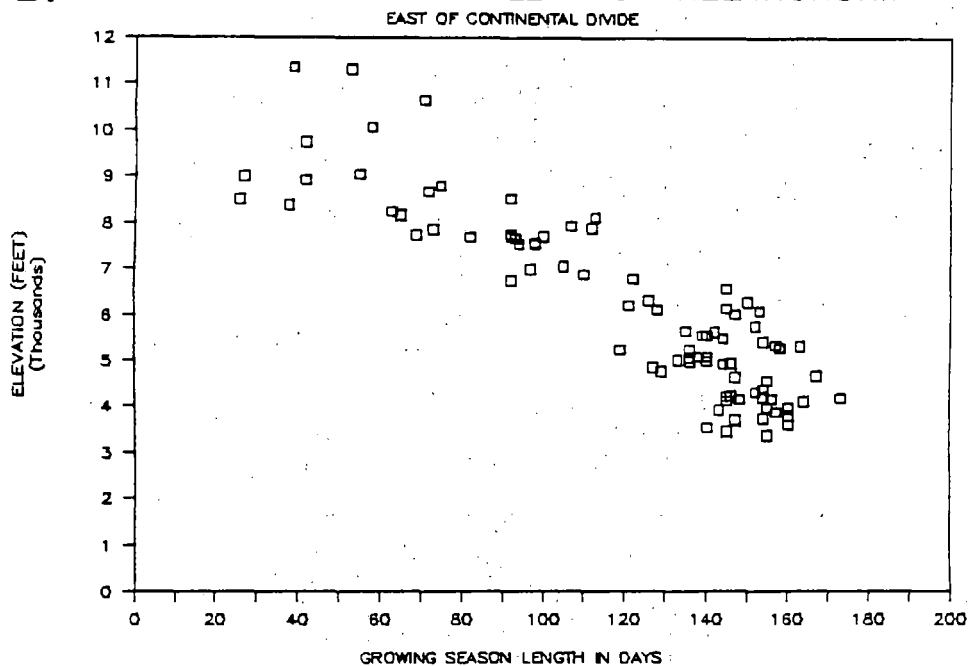


Figure 19: Growing season length (32°F threshold) as a function of elevation (A) west and (B) east of the Continental Divide in Colorado.

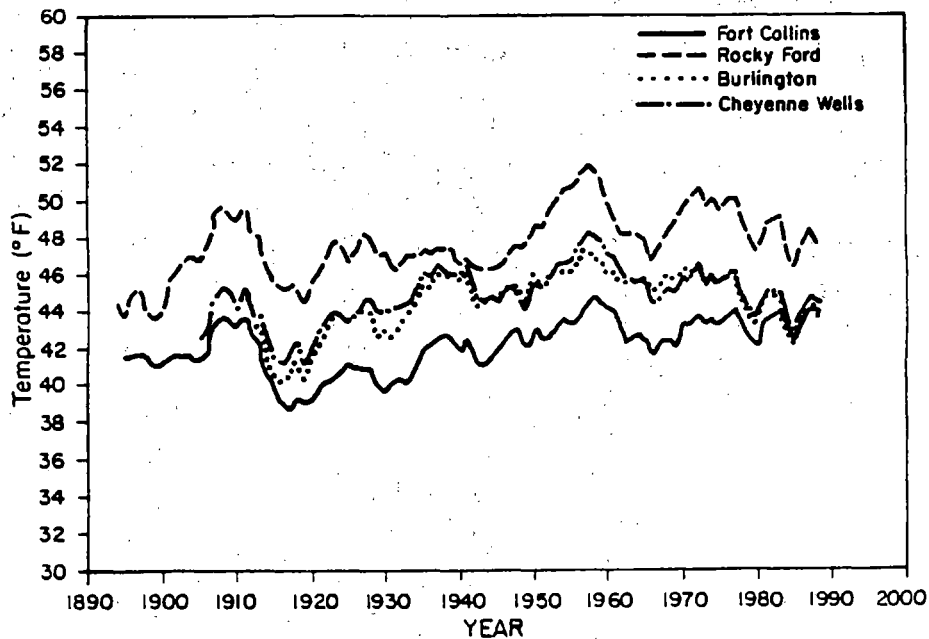
5. LONG-TERM TEMPERATURE TRENDS

The primary goal throughout this project was to document and describe, in as much detail as practical, significant characteristics of Colorado temperatures. This was not intended to be a study of climate change. It seems appropriate, however, to at least summarize some of the long-term variations that we have observed.

First, it is important for readers to understand that it is easy to produce graphs of long-term temperature trends and variations. It is much more difficult, however, to find long records that have not been compromised to some extent by station moves, urbanization and changes in the environment surrounding a weather station, changes in what time of day observations are taken, and changes in observation equipment and procedures. These factors may have inconsequential effects on the kinds of summarized data that have been discussed in previous sections of this report. But when you look for subtle changes over long time periods, these same factors can be responsible for a large portion of observed trends or cycles in temperature time series. We have a number of weather stations in Colorado that have been in existence for close to 100 years and have experienced few station moves. These become the logical starting points for studies of trends and potential climate change. None of our weather stations are totally free of the potential problems listed above, and all results must be interpreted with extreme caution.

Time series of smoothed (8-year running mean) winter and summer maximum and minimum temperatures for four of the best long-term stations in Colorado are shown in Figure 20 and 21. Fort Collins, Burlington, Rocky Ford and Cheyenne Wells have obviously experienced similar weather patterns over the past century. All indicate, to varying degrees both in winter and summer, warming trends over the past century. However, the apparent warming trend has not been progressing steadily throughout the century. In general, temperatures were at their coolest in the early portion of the 20th Century. Very rapid (from a climatological perspective) warming occurred in the 1930s followed by comparably rapid cooling in the 1940s. Another major warming occurred in the 1950s, evidenced most dramatically in the maximums. More cooling was again observed in the 1960s. Since then,

A. WINTER MAX TEMPERATURES



B. WINTER MIN TEMPERATURES

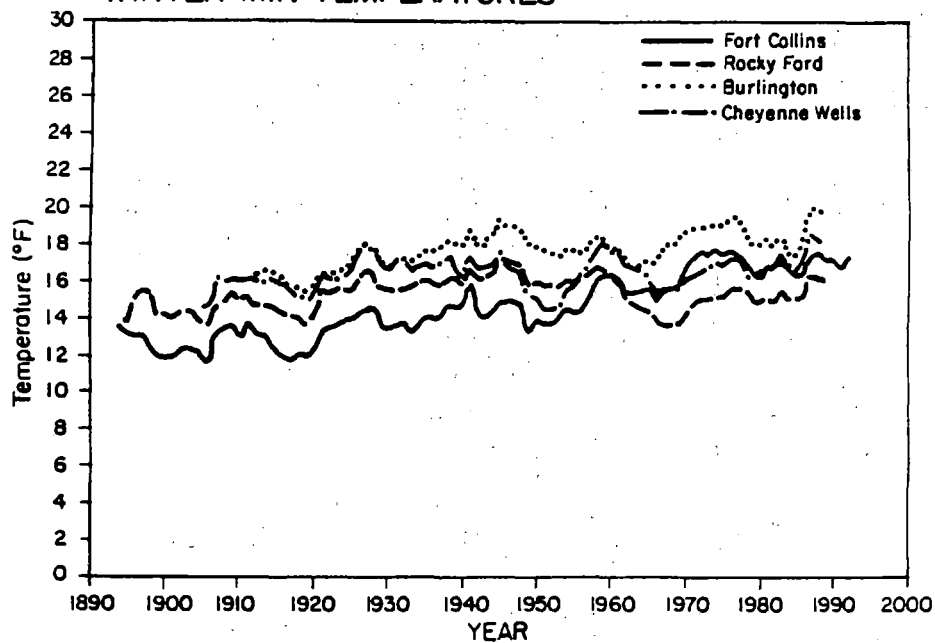
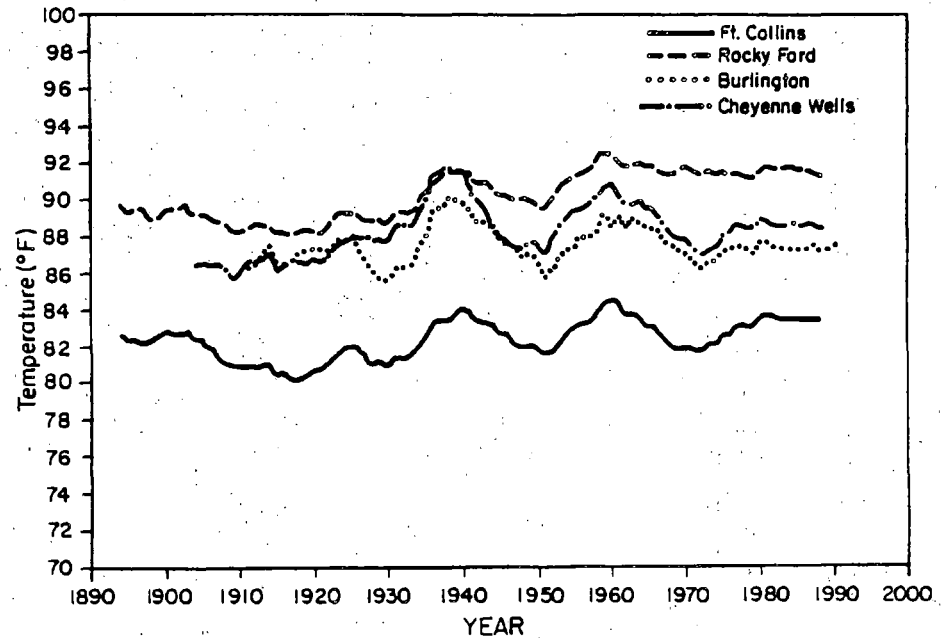


Figure 20: Comparative long-term smoothed time series (8-year running means) of average winter (December through February) maximum temperatures (A) and average winter minimum temperatures (B) for Fort Collins, Rocky Ford, Burlington and Cheyenne Wells, Colorado.

A. SUMMER MAX. TEMPERATURES



B. SUMMER MIN. TEMPERATURES

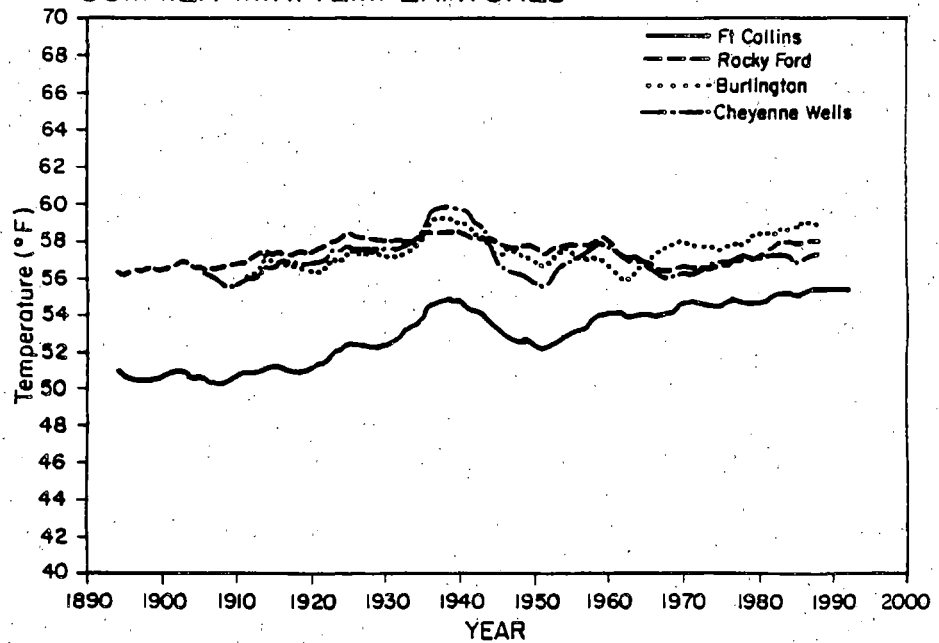


Figure 21: Comparative long-term smoothed time series (8-year running means) of average summer (June through August) maximum temperatures (A) and average summer minimum temperatures (B) for Fort Collins, Rocky Ford, Burlington and Cheyenne Wells, Colorado.

maximum temperatures have been erratic while minimum temperatures have been slowly but steadily rising both in summer and winter. Winter minimum temperatures are now near the warmest they have been at any time during the past century. Average maximum temperatures, both in winter and in summer, appear warmer now than prior to the 1930s. However, the 1950s were systematically warmer than what we have experienced recently.

Consistent long-term data are harder to come by for the mountains and western Colorado. Some of the patterns are similar to the stations east of the mountains, but trends are less homogeneous.

In these days of great interest and concern over potential global climate change, you can be certain that these long temperature records in Colorado will be monitored closely. At this point, it is impossible to say convincingly that our temperature climate is changing. Thirty years from now these same records may show us something altogether different. What we can say is that our climate is variable and apparently always has been. No two years are ever the same. This natural variability makes it very difficult to detect actual systematic changes. At the same time, the variability makes many of us think the climate is always changing. This is the challenge of climate.

6. STATION INDEX

Figure 22 shows the location and official station identification number for each of the 148 weather stations included in this temperature summary. Table 2 contains the specific information about each station including complete station name, latitude and longitude, elevation and the period for which data have been summarized.

Colorado

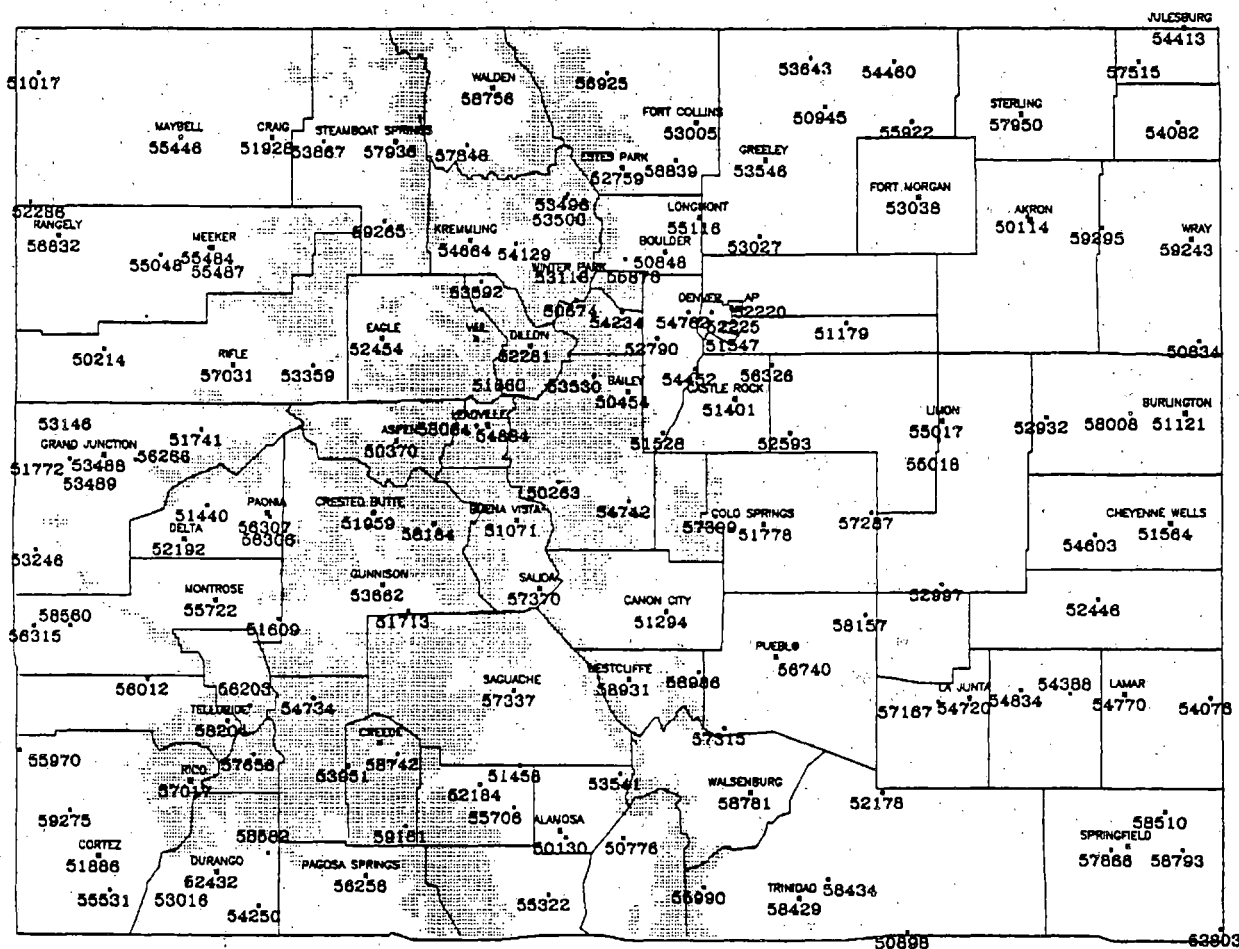


Figure 22: Station Index map showing locations and index numbers for each of the 148 Colorado weather stations summarized in this temperature report. Shaded areas are elevations greater than 9,000 feet.

Table 2: Index to Colorado weather stations contained in this temperature summary report.

STATION NAME	STATION NUMBER	LATITUDE DEG. MIN.	LONGITUDE DEG. MIN.	ELEVATION (feet)	PERIOD OF RECORD (APPROXIMATE)
AKRON FAA AP	50114	40 10	103 13	4,660	1937 - 1987
ALAMOSA WSO AP	50130	37 27	105 52	7,540	1948 - 1987
ALTENBERN	50214	39 30	108 23	5,690	1958 - 1987
ANTERO RESERVOIR	50263	39 0	105 53	8,920	1961 - 1987
ASPEN	50370	39 11	106 50	7,930	1948 - 1980
BAILEY	50454	39 24	105 29	7,730	1948 - 1987
BERTHOUD PASS	50674	39 48	105 47	11,310	1963 - 1985
BLANCA	50776	37 26	105 31	7,750	1955 - 1987
BONNY LAKE	50834	39 38	102 11	3,750	1949 - 1987
BRANSON	50898	37 1	103 53	6,290	1948 - 1977
BRIGGSDALE	50945	40 38	104 18	4,870	1963 - 1987
BOULDER	50848	40 0	105 16	5,420	1948 - 1987
BROWNS PARK REFUGE	51017	40 48	108 55	5,350	1966 - 1987
BUENA VISTA	51071	38 51	106 8	7,930	1948 - 1987
BURLINGTON	51121	39 19	102 16	4,170	1918 - 1987
BYERS 5 ENE	51179	39 45	104 8	5,100	1948 - 1987
CANON CITY	51294	38 26	105 16	5,340	1948 - 1987
CASTLE ROCK	51401	39 22	104 52	6,200	1962 - 1987
CEDAREIDGE	51440	38 54	107 56	6,200	1948 - 1987
CENTER 4 SSW	51458	37 44	106 8	7,680	1948 - 1987
CHEESMAN	51528	39 13	105 17	6,880	1948 - 1987
CHERRY CREEK DAM	51547	39 39	104 51	5,650	1951 - 1987
CHEYENNE WELLS	51564	38 49	102 21	4,250	1918 - 1987
CIMARRON	51609	38 27	107 33	6,900	1951 - 1987
CLIMAX	51660	39 22	106 11	11,350	1952 - 1987
COCHETOPA CREEK	51713	38 26	106 46	8,000	1948 - 1987
COLLBRAN 1 W	51741	39 14	107 59	5,960	1900 - 1987
COLORADO NATIONAL MONUMENT	51772	39 6	108 44	5,780	1948 - 1987
COLORADO SPRINGS WSO AP	51778	38 49	104 43	6,090	1948 - 1987
CORTEZ	51886	37 22	108 33	6,210	1929 - 1987
CRAIG	51928	40 32	101 33	6,260	1948 - 1977
CRESTED BUTTE	51959	38 52	106 59	8,890	1909 - 1987
DELHI	52178	37 38	104 1	5,090	1954 - 1980
DEL NORTE	52184	37 40	106 21	7,880	1948 - 1987
DELTA	52192	38 45	108 4	4,930	1900 - 1987
DENVER WSFO AP	52220	39 45	104 52	5,280	1948 - 1987
DENVER CITY	52225	39 45	104 59	5,320	1948 - 1974
DILLION 1 E	52281	39 38	106 2	9,070	1909 - 1987
DINOSAUR NATIONAL MONUMENT	52286	40 14	108 58	5,920	1965 - 1987
DURANGO	52432	37 17	107 53	6,600	1900 - 1987
EADS	52446	38 29	104 47	4,220	1924 - 1987
EAGLE FAA AP	52454	39 39	106 55	6,500	1948 - 1987
ELBERT	52593	39 13	104 33	6,740	1962 - 1980
ESTES PARK	52759	40 23	105 31	7,530	1948 - 1980
EVERGREEN	52790	39 38	105 19	7,000	1961 - 1987
EVERSOLL RANCH	52803	37 2	102 4	3,580	1948 - 1966
FLAGLER 2 NW	52932	39 19	103 5	4,980	1970 - 1987

INDEX TO COLORADO TEMPERATURE STATIONS

STATION NAME	STATION NUMBER	LATITUDE DEG. MIN.	LONGITUDE DEG. MIN.	ELEVATION (feet)	PERIOD OF RECORD (APPROXIMATE)
FORDER 8 S	52997	38 33	103 41	4,780	1956 - 1980
FORT COLLINS	53005	40 35	105 5	5,000	1900 - 1987
FORT LEWIS	53016	37 14	108 3	7,600	1948 - 1987
FORT LUPTON 2 SE	53027	40 4	104 47	5,020	1948 - 1976
FORT MORGAN	53038	40 15	103 48	4,320	1948 - 1987
FRASER	53113	39 57	105 50	8,560	1909 - 1974
FRUITA	53146	39 10	108 44	4,510	1948 - 1987
GATEWAY 1 SW	53246	38 41	108 59	4,560	1955 - 1987
GLENWOOD SPRINGS 1 N	53359	39 34	107 20	5,820	1900 - 1987
GRAND JUNCTION WSO AP	53488	39 7	108 32	4,850	1900 - 1987
GRAND JUNCTION 6 ESE	53489	39 3	108 27	4,760	1962 - 1987
GRAND LAKE 1 NW	53496	40 16	105 50	8,750	1948 - 1987
GRAND LAKE 6 SSW	53500	40 11	105 52	8,290	1948 - 1987
GRANT	53530	39 28	105 41	8,670	1963 - 1987
GREAT SAND DUNES NATL MONUMENT	53541	37 43	105 32	8,120	1950 - 1987
GREELEY	53546	40 25	104 41	4,650	1948 - 1987
GREEN MOUNTAIN DAM	53592	39 53	106 20	7,740	1948 - 1987
GROVER 10 W	53643	40 52	104 25	5,080	1948 - 1970
GUNNISON	53662	38 32	106 56	7,660	1900 - 1987
HAYDEN	53867	40 29	107 15	6,380	1948 - 1987
HERMIT 7 ESE	53951	37 46	107 8	9,000	1948 - 1987
HOLLY	54076	38 3	102 7	3,390	1918 - 1987
HOLYOKE	54082	40 35	102 18	3,730	1948 - 1987
HOT SULPHUR SPRINGS 2 SW	54129	40 3	106 8	7,600	1953 - 1981
IDAHO SPRINGS	54234	39 45	105 31	7,560	1948 - 1974
IGNACIO 1 N	54250	37 8	107 38	6,420	1948 - 1987
JOHN MARTIN DAM	54388	38 4	105 55	3,810	1943 - 1987
JULESBURG	54413	41 0	102 15	3,470	1918 - 1987
KASSLER	54452	39 30	105 6	5,500	1948 - 1987
KAUFFMAN 4 SSE	54460	40 51	103 56	5,250	1948 - 1987
KIT CARSON 6 S	54603	38 42	102 46	4,230	1948 - 1987
KREMMLING 1 E	54664	40 4	106 23	7,400	1964 - 1987
LA JUNTA FAA AP	54720	38 3	103 31	4,200	1946 - 1987
LAKE CITY	54734	38 2	107 19	8,670	1959 - 1987
LAKE GEORGE 8 SW	54742	38 55	105 29	8,520	1960 - 1987
LAKEWOOD	54762	39 45	105 8	5,640	1962 - 1987
LAMAR	54770	38 5	102 37	3,620	1918 - 1987
LAS ANIMAS	54834	38 4	103 13	3,890	1931 - 1987
LEADVILLE	54884	39 14	106 18	10,050	1948 - 1976
LIMON 10 SSW	55015	39 9	103 46	5,560	1918 - 1971
LIMON WSMO	55018	39 11	103 42	5,560	1971 - 1987
LITTLE HILLS	55048	40 0	108 12	6,140	1948 - 1987
LONGMONT 2 ESE	55116	10 10	105 4	4,950	1948 - 1987
MANASSA	55322	37 10	105 56	7,680	1948 - 1987
MAYBELL	55446	40 31	108 5	5,920	1958 - 1987
MEEKER	55484	40 2	107 54	6,240	1900 - 1970
MEEKER NO. 2	55487	40 2	107 55	6,350	1970 - 1987

INDEX TO COLORADO TEMPERATURE STATIONS

STATION NAME	STATION NUMBER	LATITUDE DEG. MIN.	LONGITUDE DEG. MIN.	ELEVATION (feet)	PERIOD OF RECORD (APPROXIMATE)
MESA VERDE NATIONAL PARK	55531	37 12	108 29	7,070	1948 - 1987
MONTE VISTA	55706	37 34	106 9	7,660	1948 - 1987
MONTROSE NO. 2	55722	38 29	107 53	5,830	1900 - 1987
NEDERLAND 2 NNE	55878	39 59	105 30	8,240	1970 - 1987
NEW RAYMER	55922	40 36	103 51	4,780	1966 - 1987
NORTHDAL	55970	37 49	109 2	6,680	1948 - 1987
NORTH LAKE	55990	37 13	105 3	8,800	1948 - 1980
NORWOOD	56012	38 8	108 17	7,020	1948 - 1987
OURAY	56203	38 1	107 40	7,840	1948 - 1987
PAGOSA SPRINGS	56258	37 16	107 1	7,250	1907 - 1987
PALISADE	56266	39 7	108 21	4,800	1948 - 1987
PAONIA 1 SW	56306	38 52	107 36	5,580	1905 - 1987
PAONIA 1 S	56307	38 52	107 35	6,130	1930 - 1957
PARADOX 1 E	56315	38 22	108 57	5,280	1948 - 1977
PARKER 6 E	56326	39 32	104 39	6,310	1948 - 1987
PUEBLO WSO AP	56740	38 17	104 31	4,680	1954 - 1987
RANGELY 1 E	56832	40 5	108 46	5,290	1950 - 1987
RED FEATHER LAKES 2 SE	56925	40 47	105 33	8,170	1948 - 1987
RICO	57017	37 41	108 2	8,840	1959 - 1987
RIFLE	57031	39 32	107 48	5,320	1910 - 1987
ROCKY FORD 2 SE	57167	38 2	103 42	4,170	1918 - 1987
RUSH 4 N	57287	38 53	104 6	6,110	1958 - 1987
RUXTON PARK	57309	38 51	104 59	9,050	1959 - 1987
RYE	57315	37 55	104 56	6,790	1948 - 1987
SAGUACHE	57337	38 5	106 9	7,700	1948 - 1987
SALIDA	57370	38 32	106 0	7,060	1948 - 1987
SEDGWICK 5 S	57515	40 51	102 31	3,990	1958 - 1987
SILVERTON	57656	37 48	107 40	9,320	1906 - 1987
SPICER	57848	40 27	106 28	8,380	1948 - 1987
SPRINGFIELD 7 WSW	57866	37 23	102 44	4,580	1956 - 1987
STEAMBOAT SPRINGS	57936	40 30	106 50	6,770	1908 - 1987
STERLING	57950	40 37	103 11	3,940	1948 - 1987
STRATTON	58008	39 18	102 36	4,390	1948 - 1987
SUGARLOAF RESERVOIR	58064	39 15	106 22	9,740	1948 - 1987
TACONY 10 SE	58157	38 23	104 4	4,960	1955 - 1987
TAYLOR PARK	58184	38 49	106 37	9,210	1948 - 1987
TELLURIDE	58204	37 56	107 49	8,800	1911 - 1987
TRINIDAD	58429	37 10	104 29	6,030	1948 - 1987
TRINIDAD FAA AP	58434	37 15	104 20	5,750	1948 - 1987
TWO BUTTES	58510	37 34	102 24	4,130	1918 - 1974
URAVAN	58560	38 22	108 44	5,010	1961 - 1987
VALLECITO DAM	58582	37 22	107 35	7,650	1948 - 1980
WAGON WHEEL GAP 3 N	58742	37 48	106 50	8,500	1948 - 1972
WALDEN	58756	40 44	106 17	8,120	1948 - 1987
WALSENBURG	58781	37 38	104 47	6,150	1948 - 1987
WALSH 1 W	58793	37 23	102 15	3,970	1968 - 1987
WATERDALE	58839	40 26	105 12	5,230	1948 - 1987

INDEX TO COLORADO TEMPERATURE STATIONS

STATION NAME	STATION NUMBER	LATITUDE DEG. MIN.	LONGITUDE DEG. MIN.	ELEVATION (feet)	PERIOD OF RECORD (APPROXIMATE)
WESTCLIFFE	58931	38 8	105 29	7,860	1948 - 1987
WETMORE 2 S	58986	38 13	105 6	6,580	1948 - 1968
WOLF CREEK PASS 1 E	59181	37 29	106 47	10,640	1957 - 1987
WRAY	59243	40 4	102 14	3,560	1918 - 1987
YAMPA	59265	40 9	106 54	7,890	1964 - 1987
YELLOW JACKET 2 W	59275	37 31	108 45	6,860	1962 - 1987
YUMA	59295	40 8	102 44	4,140	1948 - 1987

7. DATA SUMMARIES

The following pages contain 2-page temperature summaries for each of the 148 stations identified in the station index. The content of these summaries was explained in Chapter 3 of this report. Stations are all included in alphabetical order. Page numbers were not assigned.

The Colorado Climate Center will retain the software to generate these summaries as well as the more detailed listings of daily averages and extremes shown on page 6. Each year, as the computer database is updated, it will be possible to generate new summaries. At this time there are no plans to regularly update and publish the complete contents of this report. However, it will be possible on request to produce updated summary graphs and data tables for individual stations.

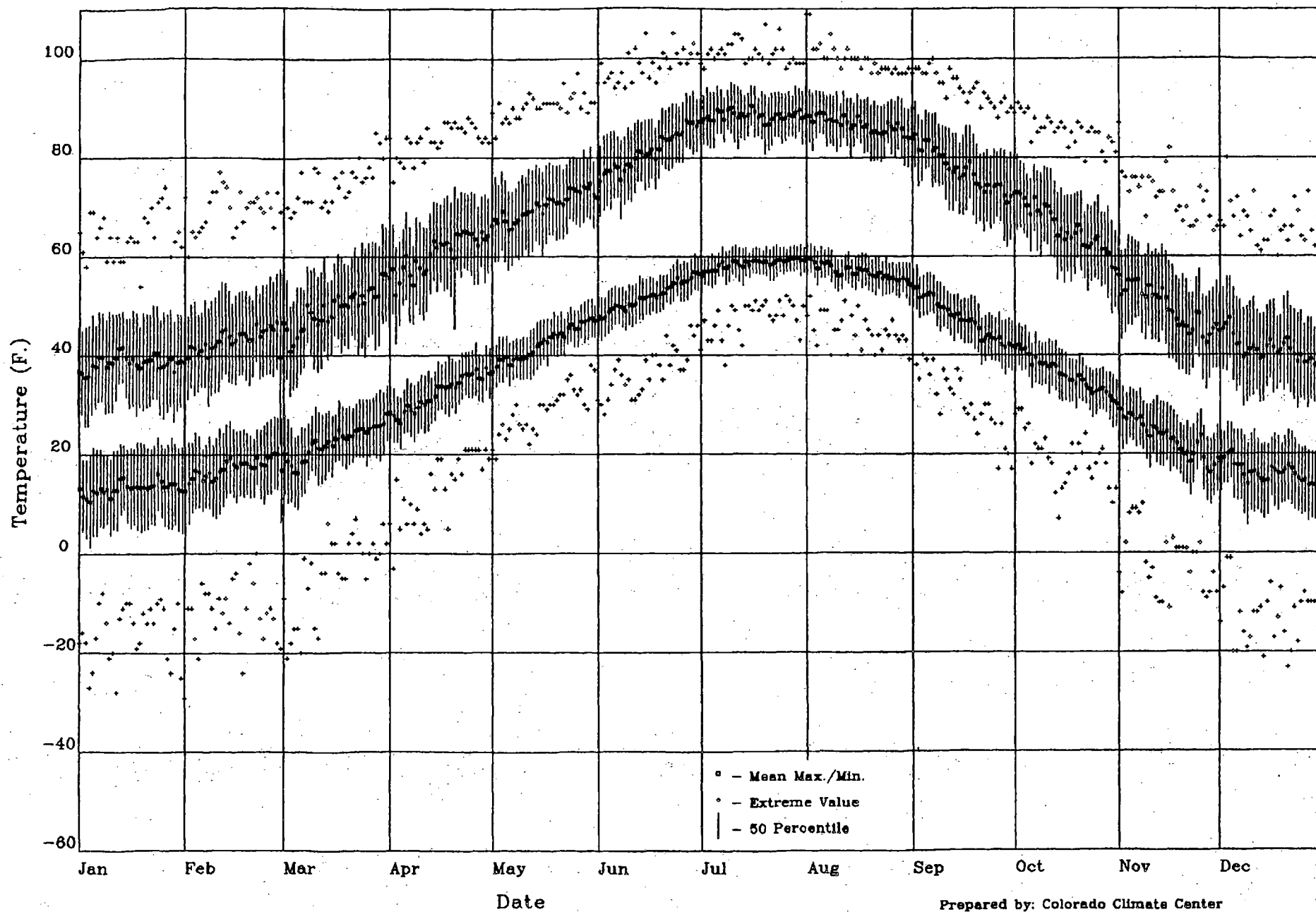
AKRON FAA AP

Record: 51 years ending in 1987

Lat 40 10

Long 103 13

Elev 4660



Latitude: 40 10 Longitude: 103 13 Elevation: 4660

Period of Record: 51 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	38.7	43.2	49.3	60.5	70.0	81.0	88.4	86.6	77.5	65.9	49.7	41.2	62.7
Std. Dev.	5.8	5.9	5.0	4.8	3.8	4.3	2.8	2.9	4.0	4.7	5.2	5.6	
Mean Min.	13.3	17.3	22.6	32.4	42.5	51.9	58.5	56.8	47.3	36.0	23.1	16.0	34.8
Std. Dev.	4.8	4.7	4.2	3.0	2.4	2.3	1.8	2.2	2.8	2.5	3.3	3.9	
Num. Yrs.	49	50	51	51	50	51	51	49	51	51	51	51	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	736	553	441	174	36	3	0	0	15	99	410	657	3124
55	890	693	587	279	85	10	0	1	35	180	552	811	4122
57	952	749	647	328	113	15	0	1	48	221	611	873	4560
60	1045	834	739	407	166	29	1	3	75	293	701	965	5258
65	1200	975	893	550	281	72	5	14	141	430	850	1120	6532

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	3	30	132	359	579	526	265	61	1	0	1959
57	0	0	2	19	98	305	518	464	218	41	0	0	1667
60	0	0	1	8	58	229	426	374	155	20	0	0	1270
65	0	0	0	1	18	123	275	230	71	3	0	0	720
70	0	0	0	0	3	49	140	108	22	0	0	0	320

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	12	30	85	249	515	798	1043	990	681	366	82	21	4872
45	2	9	38	148	369	649	888	835	535	239	33	6	3751
50	0	2	13	75	238	502	734	680	395	135	9	1	2785
55	0	0	3	30	132	359	579	526	265	61	1	0	1959
60	0	0	1	8	58	229	426	374	155	20	0	0	1270

Corn GDD 20 37 86 187 319 488 660 623 427 259 82 30 3218

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	88/1945	103	111	117	122	127	131	136	142	150	162/1977	46
32	110/1954	123	130	134	138	142	146	150	155	161	170/1987	46
28	120/1954	143	151	157	162	167	171	176	182	190	200/1981	45
24	131/1983	166	174	180	185	190	194	199	205	213	228/1965	45
20	174/1985	182	191	197	202	207	212	217	223	232	249/1981	45
16	178/1966	205	212	217	221	225	229	234	239	246	262/1981	44

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	4/22/1977	5/ 2	5/ 8	5/13	5/16	5/20	5/24	5/27	6/ 1	6/ 7	6/20/1946	46
32	4/21/1977	4/29	5/ 4	5/ 7	5/10	5/13	5/15	5/18	5/22	5/26	6/13/1947	46
28	4/ 4/1977	4/14	4/19	4/22	4/26	4/28	5/ 1	5/ 4	5/ 8	5/13	6/ 3/1954	45
24	3/17/1960	3/30	4/ 5	4/ 9	4/12	4/15	4/18	4/22	4/26	5/ 1	5/12/1983	45
20	3/16/1978	3/23	3/28	4/ 1	4/ 4	4/ 7	4/10	4/13	4/16	4/21	5/ 2/1954	45
16	3/ 8/1946	3/12	3/17	3/21	3/25	3/28	3/31	4/ 4	4/ 8	4/13	4/22/1951	44

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	9/ 3/1973	9/10	9/15	9/18	9/21	9/23	9/26	9/29	10/ 2	10/ 7	10/27/1963	46
32	9/13/1974	9/19	9/23	9/26	9/29	10/ 2	10/ 5	10/ 7	10/11	10/15	10/28/1963	46
28	9/17/1965	9/26	10/ 2	10/ 6	10/ 9	10/12	10/15	10/18	10/22	10/28	11/ 3/1937	45
24	9/20/1983	10/ 7	10/12	10/16	10/19	10/22	10/25	10/28	11/ 1	11/ 6	11/10/1978	45
20	9/26/1942	10/13	10/19	10/23	10/27	10/31	11/ 3	11/ 7	11/12	11/18	11/26/1965	45
16	10/13/1969	10/25	10/30	11/ 3	11/ 5	11/ 8	11/11	11/14	11/18	11/22	12/ 3/1949	44

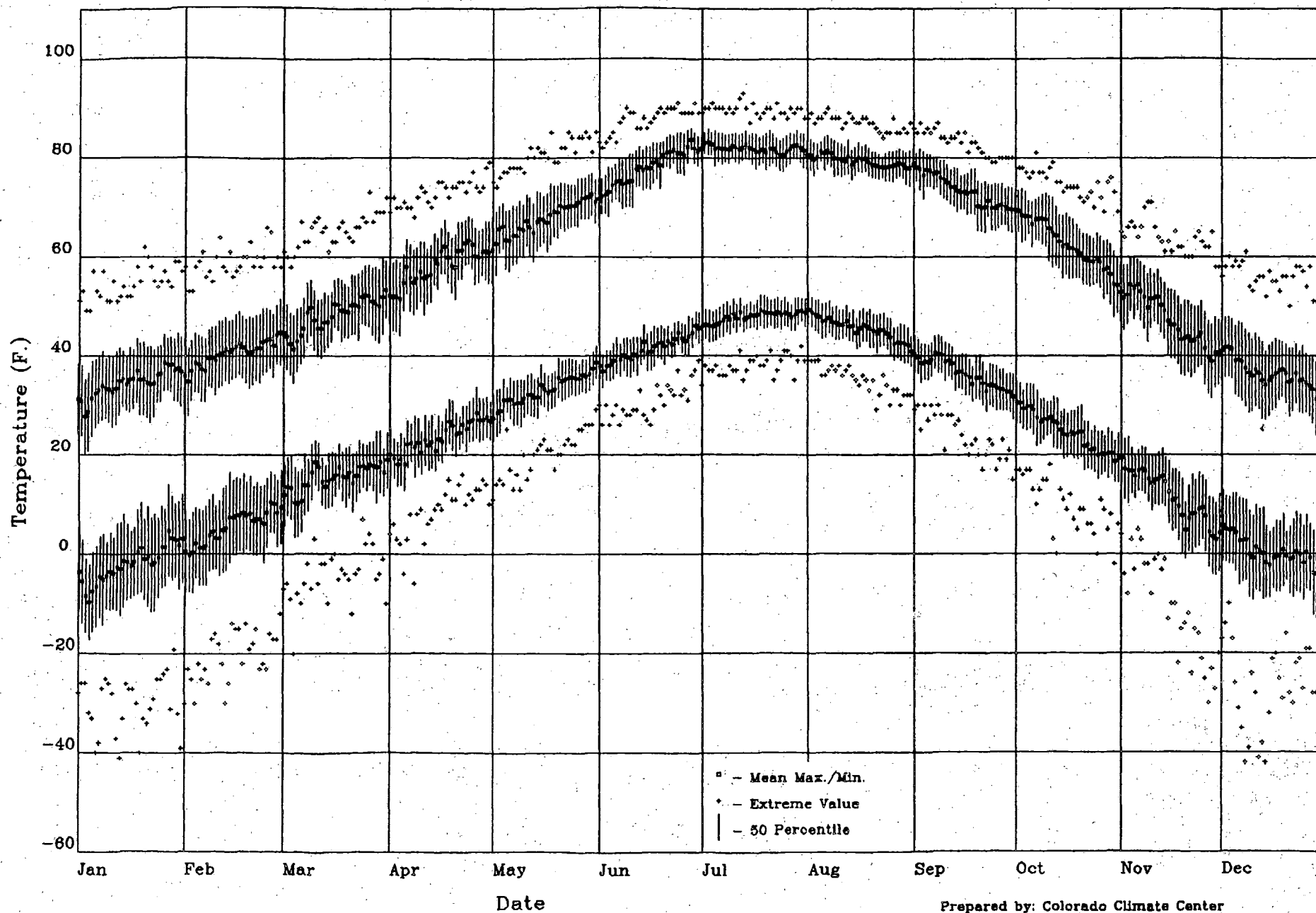
ALAMOSA WSO AP

Record: 40 years ending in 1987

Lat 37 27

Long 105 52

Elev 7540



Latitude: 37 27 Longitude: 105 52 Elevation: 7540

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	34.4	40.3	48.2	58.1	67.6	77.9	81.9	79.3	73.5	62.7	47.3	36.3	59.0
Std. Dev.	5.7	5.3	3.8	3.4	3.0	2.5	1.7	1.6	2.6	3.9	4.8	6.0	
Mean Min.	-1.9	5.4	15.5	23.5	33.1	41.4	47.9	45.5	36.4	24.6	11.6	0.3	23.6
Std. Dev.	6.3	6.4	3.3	2.2	1.9	1.9	1.9	2.5	2.1	2.5	3.9	4.8	
Num. Yrs.	39	39	39	39	39	38	39	40	40	40	40	40	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1035	756	556	273	68	2	0	0	14	202	609	975	4489
55	1190	896	711	418	158	16	0	1	54	342	759	1130	5674
57	1252	952	773	477	208	30	0	2	86	403	819	1192	6195
60	1345	1037	866	567	293	62	2	14	154	495	909	1285	7029
65	1499	1177	1021	717	446	161	34	87	295	650	1059	1440	8585

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	21	163	314	238	59	1	0	0	796
57	0	0	0	0	10	117	253	177	31	0	0	0	588
60	0	0	0	0	2	59	161	96	9	0	0	0	327
65	0	0	0	0	0	8	38	14	0	0	0	0	60
70	0	0	0	0	0	0	1	0	0	0	0	0	2

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	1	12	102	333	596	779	702	455	160	7	0	3148
45	0	0	1	34	196	446	624	547	308	66	0	0	2223
50	0	0	0	6	86	299	469	392	169	14	0	0	1434
55	0	0	0	0	21	163	314	238	59	1	0	0	796
60	0	0	0	0	2	59	161	96	9	0	0	0	327

Corn GDD	3	11	46	140	275	417	503	462	352	205	45	4	2463
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	35/1987	47	54	58	63	67	70	75	79	86	94/1958	37
32	59/1964	74	81	86	90	94	98	102	107	114	125/1958	37
28	92/1971	99	105	110	114	117	121	125	130	136	152/1969	37
24	122/1971	126	132	136	139	142	145	149	153	159	171/1957	36
20	124/1971	142	149	154	158	162	166	170	175	181	183/1977	35
16	155/1975	164	169	173	176	179	182	186	189	195	204/1986	35

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	6/ 1/1960	6/ 9	6/13	6/16	6/18	6/20	6/23	6/25	6/28	7/ 2	7/13/1987	37
32	5/13/1958	5/24	5/29	6/ 2	6/ 5	6/ 8	6/10	6/13	6/17	6/22	6/27/1969	37
28	5/ 3/1969	5/10	5/15	5/19	5/22	5/25	5/28	6/ 1	6/ 5	6/10	6/16/1981	37
24	4/22/1987	4/29	5/ 3	5/ 6	5/ 8	5/10	5/13	5/15	5/18	5/21	5/25/1960	36
20	4/ 5/1985	4/16	4/21	4/24	4/27	4/30	5/ 3	5/ 6	5/ 9	5/14	5/20/1960	35
16	4/ 1/1985	4/ 9	4/14	4/17	4/20	4/23	4/25	4/28	5/ 2	5/ 6	5/11/1953	35

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/22/1961	8/ 9	8/15	8/19	8/23	8/26	8/29	9/ 2	9/ 6	9/12	9/19/1982	37
32	8/21/1964	8/28	9/ 1	9/ 4	9/ 7	9/10	9/12	9/15	9/18	9/22	9/29/1982	37
28	9/ 3/1973	9/ 8	9/12	9/15	9/17	9/20	9/22	9/24	9/27	10/ 1	10/ 6/1981	37
24	9/10/1962	9/18	9/22	9/25	9/27	9/30	10/ 2	10/ 4	10/ 7	10/12	10/15/1957	36
20	9/17/1968	9/25	9/29	10/ 3	10/ 6	10/ 9	10/12	10/15	10/18	10/23	10/31/1972	35
16	9/30/1985	10/ 6	10/11	10/14	10/16	10/19	10/21	10/24	10/27	10/31	11/ 8/1986	35

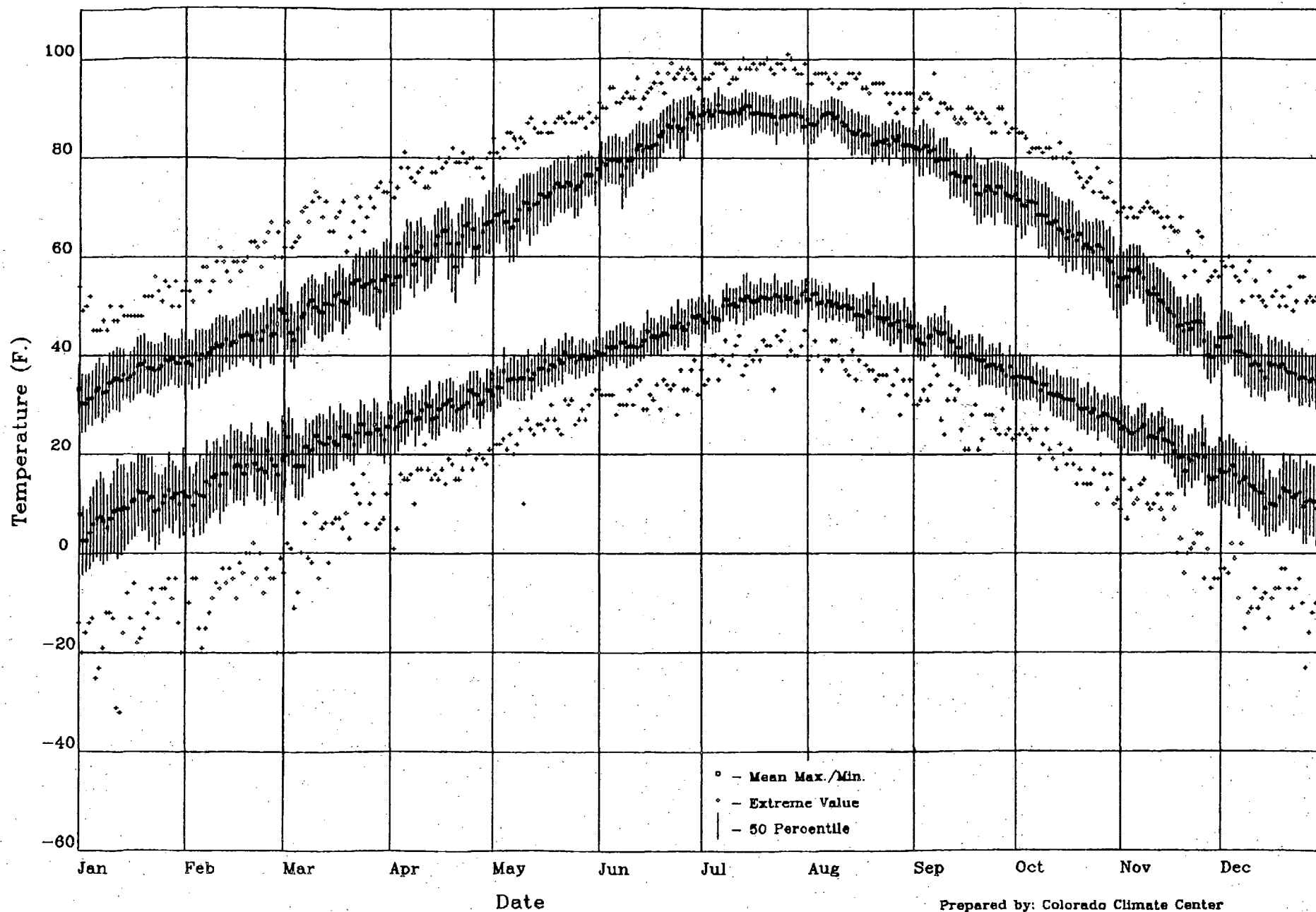
ALTENBERN

Record: 30 years ending in 1987

Lat 39 30

Long 108 23

Elev 5690



Latitude: 39 30 Longitude: 108 23 Elevation: 5690 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	35.7	42.5	51.1	61.7	71.7	82.8	88.9	85.4	76.7	65.1	49.5	38.2	62.4
Std. Dev.	4.4	4.3	3.9	3.9	3.3	3.6	2.4	2.3	3.6	4.7	3.6	4.3	
Mean Min.	9.0	15.9	22.7	29.3	37.3	43.7	50.6	48.8	40.8	31.2	21.5	12.4	30.3
Std. Dev.	5.6	5.2	3.5	2.1	1.9	2.3	1.9	2.7	2.6	2.6	2.7	4.0	
Num. Yrs.	29	29	29	29	29	29	29	29	29	30	30	30	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	850	581	400	161	32	1	0	0	11	109	426	757	3329
55	1005	723	553	283	84	8	0	0	32	218	574	912	4392
57	1067	779	615	339	116	14	0	1	48	272	634	974	4859
60	1160	864	708	427	179	33	0	4	84	360	724	1067	5609
65	1315	1005	863	577	317	94	5	24	189	514	873	1221	6998

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	6	76	262	465	383	152	13	0	0	1357
57	0	0	0	2	47	208	403	322	107	6	0	0	1094
60	0	0	0	0	17	137	310	232	54	1	0	0	750
65	0	0	0	0	0	48	160	98	9	0	0	0	315
70	0	0	0	0	0	9	41	18	1	0	0	0	69

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	6	52	200	457	704	929	847	569	274	38	2	4079
45	0	1	13	98	309	554	774	693	422	148	8	0	3019
50	0	0	2	34	179	405	619	538	280	59	1	0	2117
55	0	0	0	6	76	262	465	383	152	13	0	0	1357
60	0	0	0	0	17	137	310	232	54	1	0	0	750

Corn GDD	1	11	68	185	337	473	579	543	400	241	56	3	2896
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	25/1985	53	63	70	76	82	88	94	101	111	121/1972	27	
32	69/1962	85	95	102	108	113	119	125	132	142	154/1963	25	
28	88/1975	109	119	126	133	138	144	150	157	167	180/1972	24	
24	132/1962	144	152	158	163	167	172	177	182	190	203/1981	23	
20	172/1982	175	183	189	194	198	203	208	214	222	231/1965	23	
16	177/1982	193	201	208	213	218	223	228	234	243	248/1965	21	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/24/1972	5/30	6/ 5	6/ 9	6/13	6/16	6/20	6/23	6/27	7/ 3	7/13/1971	27	
32	5/ 9/1984	5/11	5/17	5/21	5/25	5/29	6/ 1	6/ 5	6/ 9	6/16	6/24/1975	25	
28	4/23/1987	4/30	5/ 5	5/ 9	5/13	5/16	5/19	5/23	5/27	6/ 1	6/24/1975	24	
24	4/ 1/1977	4/10	4/16	4/19	4/23	4/26	4/29	5/ 2	5/ 6	5/12	5/21/1974	23	
20	3/25/1965	3/29	4/ 4	4/ 8	4/11	4/14	4/18	4/21	4/25	5/ 1	5/10/1982	23	
16	3/16/1962	3/18	3/24	3/28	3/31	4/ 4	4/ 7	4/10	4/15	4/20	5/10/1982	21	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/22/1985	8/16	8/23	8/28	9/ 2	9/ 6	9/10	9/14	9/20	9/27	10/ 7/1981	27	
32	8/17/1960	8/30	9/ 6	9/11	9/15	9/19	9/23	9/27	10/ 2	10/ 8	10/19/1981	25	
28	8/28/1964	9/11	9/18	9/23	9/27	10/ 1	10/ 5	10/ 9	10/14	10/21	10/30/1972	24	
24	9/10/1962	9/20	9/27	10/ 2	10/ 6	10/10	10/14	10/18	10/23	10/30	11/ 1/1963	23	
20	10/ 8/1976	10/17	10/21	10/25	10/27	10/30	11/ 1	11/ 4	11/ 7	11/12	11/17/1981	23	
16	10/19/1976	10/25	10/30	11/ 2	11/ 5	11/ 7	11/10	11/13	11/16	11/21	11/28/1965	21	

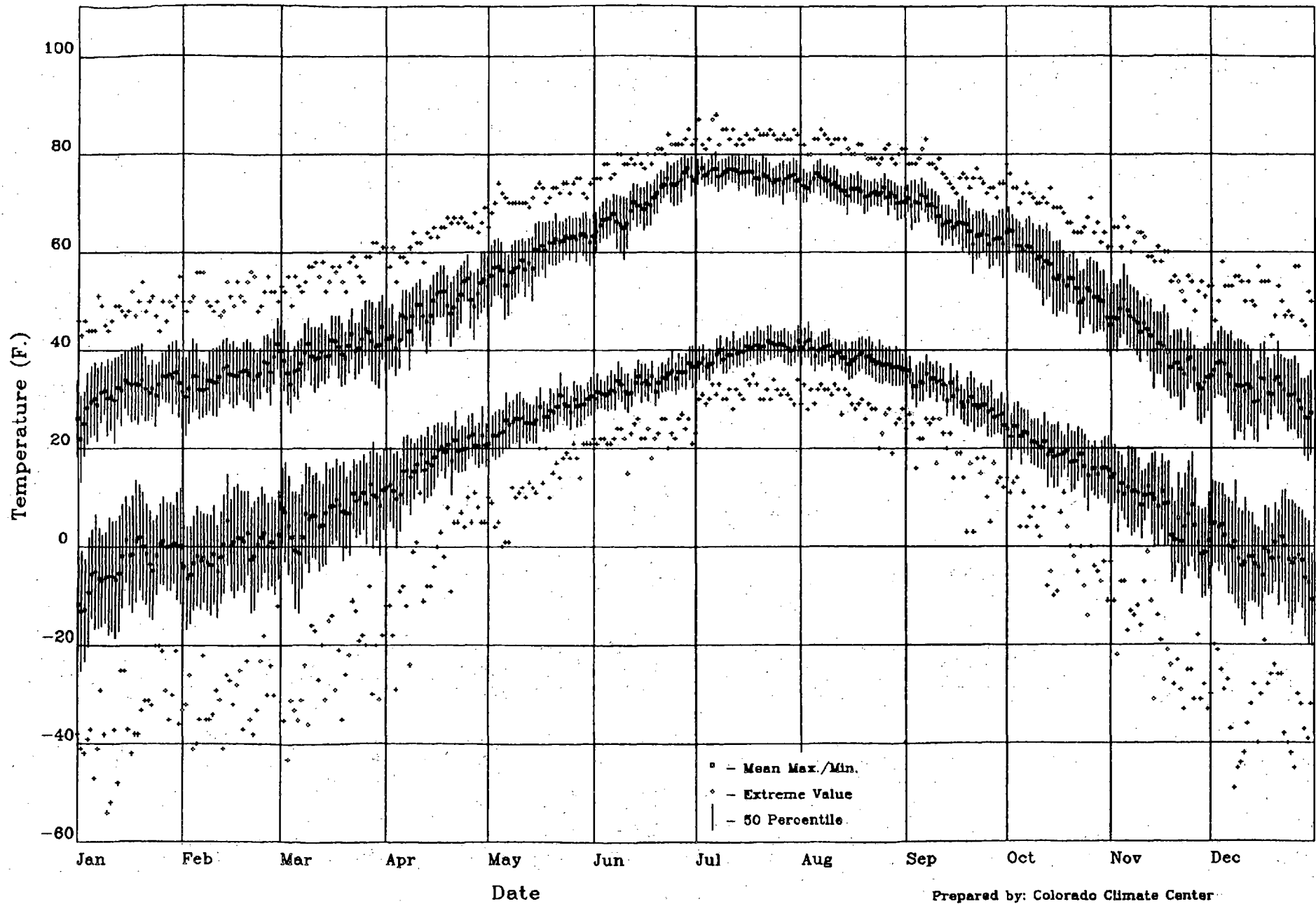
ANTERO RESERVOIR

Record: 27 years ending in 1987

Lat 39 0

Long 105 53

Elev 8920



Latitude: 39 0 Longitude: 105 53 Elevation: 8920 Period of Record: 27 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	31.5	34.7	39.8	48.4	59.5	69.9	75.8	72.9	66.2	56.1	41.0	32.2	52.3
Std. Dev.	4.7	3.3	4.6	4.4	2.9	2.8	1.9	1.7	2.7	5.1	5.1	5.1	
Mean Min.	-3.5	-0.9	7.1	17.6	26.5	33.4	39.8	38.7	30.8	19.3	7.7	-1.6	17.9
Std. Dev.	7.2	6.1	7.5	4.0	1.9	2.2	1.6	2.5	2.3	3.0	6.3	6.4	
Num. Yrs.	26	26	26	24	25	26	27	27	26	26	27	27	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1107	925	813	501	216	37	0	3	81	373	760	1052	5869
55	1262	1066	968	651	363	116	9	30	192	526	910	1206	7297
57	1324	1123	1029	711	424	163	24	60	248	588	970	1267	7931
60	1417	1207	1122	801	517	245	75	130	337	680	1060	1359	8950
65	1572	1348	1277	950	672	394	216	279	487	834	1210	1512	10751

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	22	102	61	5	0	0	0	191
57	0	0	0	0	0	10	56	29	1	0	0	0	96
60	0	0	0	0	0	2	14	6	0	0	0	0	22
65	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	2	20	140	357	558	496	273	56	3	0	1905
45	0	0	0	3	48	213	403	341	141	12	0	0	1162
50	0	0	0	0	8	94	249	189	44	1	0	0	584
55	0	0	0	0	0	22	102	61	5	0	0	0	191
60	0	0	0	0	0	2	14	6	0	0	0	0	22

Corn GDD	0	1	10	45	159	299	399	354	246	125	17	2	1658
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1961	0	3	7	12	16	19	24	28	35	63/1970	27
32	5/1962	15	25	31	37	42	48	54	60	70	81/1983	26
28	35/1975	56	65	71	76	81	85	91	97	105	107/1984	25
24	54/1968	77	85	91	96	100	105	110	115	123	122/1983	25
20	66/1964	103	112	118	124	129	135	140	147	156	156/1969	25
16	106/1975	126	134	140	144	149	153	158	164	171	172/1963	24

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	6/30/1981	7/ 5	7/ 8	7/ 9	7/11	7/13	7/14	7/16	7/18	7/20	7/19/1961	27
32	6/17/1970	6/22	6/26	6/28	6/30	7/ 2	7/ 5	7/ 7	7/ 9	7/13	7/15/1962	26
28	5/28/1978	6/ 3	6/ 7	6/11	6/14	6/17	6/19	6/22	6/26	6/30	7/12/1976	25
24	5/15/1985	5/22	5/27	5/31	6/ 4	6/ 7	6/10	6/14	6/18	6/24	7/ 1/1968	25
20	4/23/1987	4/28	5/ 5	5/10	5/14	5/18	5/22	5/27	6/ 1	6/ 7	6/23/1964	25
16	4/18/1983	4/24	4/29	5/ 3	5/ 6	5/ 9	5/12	5/15	5/19	5/24	6/11/1975	24

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1961	7/14	7/19	7/22	7/25	7/28	7/31	8/ 3	8/ 7	8/12	9/ 2/1970	27
32	7/20/1962	7/23	7/31	8/ 5	8/10	8/14	8/18	8/23	8/28	9/ 5	9/17/1981	26
28	8/ 3/1975	8/18	8/24	8/29	9/ 2	9/ 5	9/ 9	9/13	9/17	9/23	9/28/1976	25
24	8/24/1968	8/31	9/ 6	9/ 9	9/12	9/15	9/18	9/22	9/25	10/ 1	10/ 7/1981	25
20	8/24/1968	9/ 8	9/14	9/18	9/22	9/25	9/28	10/ 2	10/ 6	10/11	10/17/1981	25
16	9/15/1979	9/21	9/25	9/29	10/ 2	10/ 5	10/ 7	10/10	10/14	10/19	11/ 1/1963	24

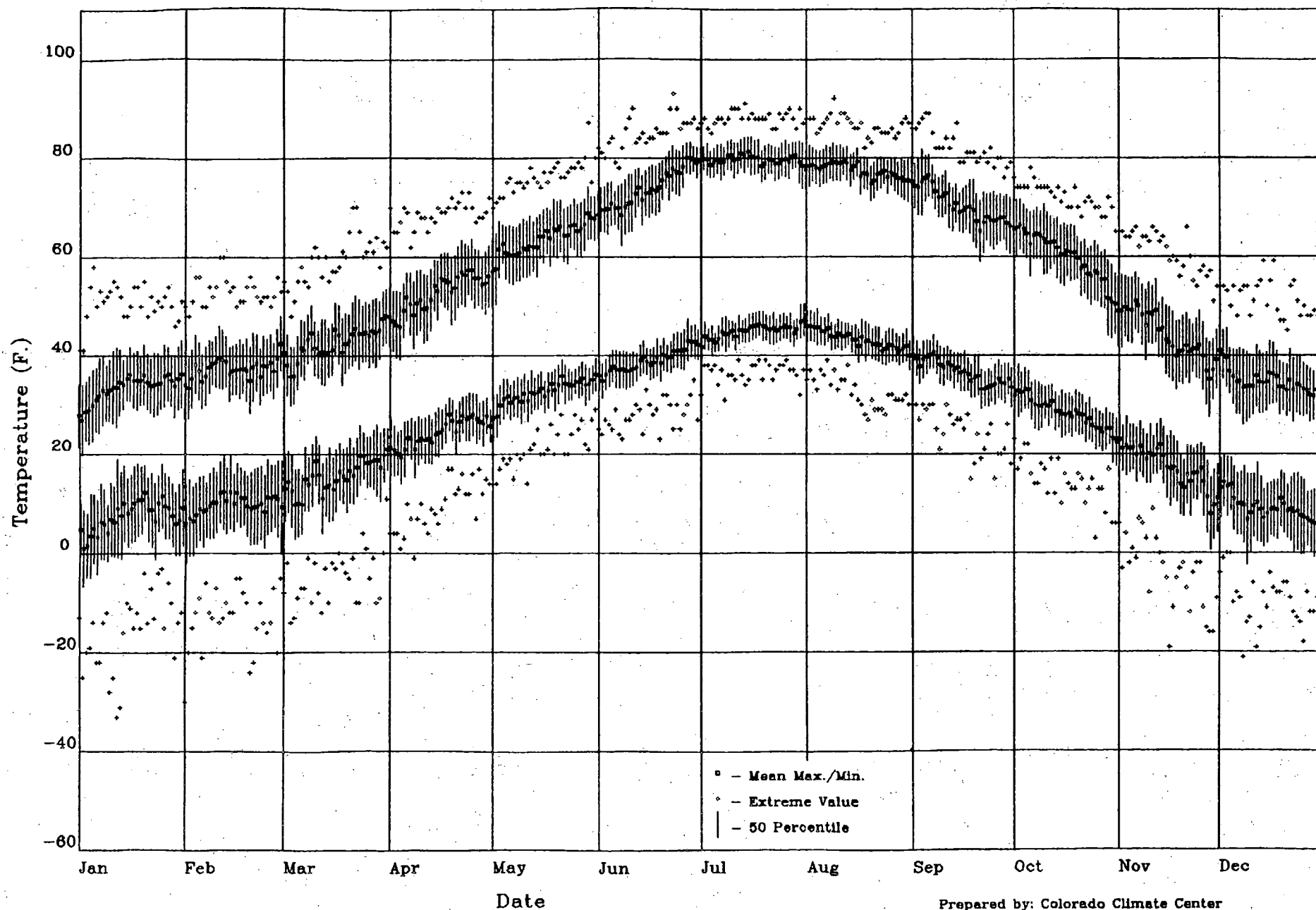
ASPEN

Record: 32 years ending in 1980

Lat 39 11

Long 106 50

Elev 7930



Latitude: 39 11 Longitude: 106 50 Elevation: 7930

Period of Record: 33 years ending in 1980

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	33.3	37.3	42.5	52.7	63.5	73.6	79.7	77.4	70.4	60.2	44.1	34.6	55.8
Std. Dev.	3.8	3.7	3.6	4.0	2.9	3.1	2.0	2.3	3.4	3.7	4.4	4.1	
Mean Min.	7.3	9.9	15.6	24.5	32.7	38.8	44.9	43.2	36.6	28.3	17.4	8.7	25.7
Std. Dev.	3.7	4.9	3.8	2.4	1.8	2.0	1.8	2.1	1.9	2.5	3.8	2.7	
Num. Yrs.	30	28	30	29	30	30	31	31	32	32	32	30	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	900	737	633	336	104	14	0	0	28	186	568	869	4374
55	1053	878	786	482	215	50	1	5	85	321	717	1023	5614
57	1114	934	847	542	270	76	2	11	123	381	776	1085	6163
60	1206	1018	939	631	360	131	13	37	194	472	866	1178	7045
65	1359	1159	1092	780	514	258	88	144	334	625	1015	1332	8700

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	9	93	233	175	47	2	0	0	558
57	0	0	0	0	3	60	173	120	25	1	0	0	382
60	0	0	0	0	0	25	92	54	8	0	0	0	179
65	0	0	0	0	0	3	13	6	1	0	0	0	22
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	1	7	73	270	491	693	633	408	177	15	0	2768
45	0	0	1	21	145	345	539	479	266	78	2	0	1877
50	0	0	0	3	52	206	386	325	137	19	0	0	1128
55	0	0	0	0	9	93	233	175	47	2	0	0	558
60	0	0	0	0	0	25	92	54	8	0	0	0	179

Corn GDD 1 2 15 82 214 353 458 424 303 171 27 1 2051

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1950	26	36	43	49	55	61	67	74	84	88/1972	23
32	53/1955	57	66	73	79	84	90	96	102	112	130/1963	18
28	55/1968	80	92	100	107	113	120	127	135	146	154/1963	16
24	100/1973	109	120	128	135	141	147	154	162	173	188/1963	15
20	130/1959	139	149	157	163	169	175	181	188	198	221/1965	15
16	153/1961	159	169	176	181	187	192	198	205	215	224/1965	14

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/29/1972	6/10	6/16	6/20	6/24	6/27	6/30	7/ 4	7/ 8	7/14	7/19/1950	23
32	5/22/1977	5/28	6/ 3	6/ 7	6/11	6/14	6/17	6/21	6/25	7/ 1	7/ 8/1955	18
28	5/12/1964	5/12	5/19	5/23	5/27	5/31	6/ 3	6/ 7	6/12	6/18	6/30/1968	16
24	4/17/1949	4/25	5/ 2	5/ 7	5/11	5/15	5/19	5/23	5/28	6/ 4	6/19/1973	15
20	4/15/1949	4/18	4/23	4/27	4/30	5/ 3	5/ 6	5/10	5/14	5/19	5/23/1959	15
16	4/ 4/1949	4/11	4/15	4/18	4/21	4/24	4/26	4/29	5/ 2	5/ 6	5/11/1953	14

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1950	7/31	8/ 7	8/13	8/17	8/21	8/25	8/30	9/ 4	9/11	9/15/1963	23
32	8/21/1964	8/20	8/26	8/30	9/ 3	9/ 6	9/10	9/14	9/18	9/24	10/14/1963	18
28	8/24/1968	9/ 4	9/10	9/14	9/18	9/21	9/24	9/28	10/ 2	10/ 8	10/14/1963	16
24	9/ 9/1962	9/17	9/22	9/26	9/30	10/ 3	10/ 7	10/10	10/14	10/20	11/ 1/1963	15
20	9/25/1961	9/29	10/ 6	10/11	10/15	10/19	10/23	10/27	11/ 1	11/ 8	11/22/1965	15
16	9/25/1961	10/ 4	10/12	10/18	10/23	10/27	11/ 1	11/ 6	11/12	11/20	11/22/1965	14

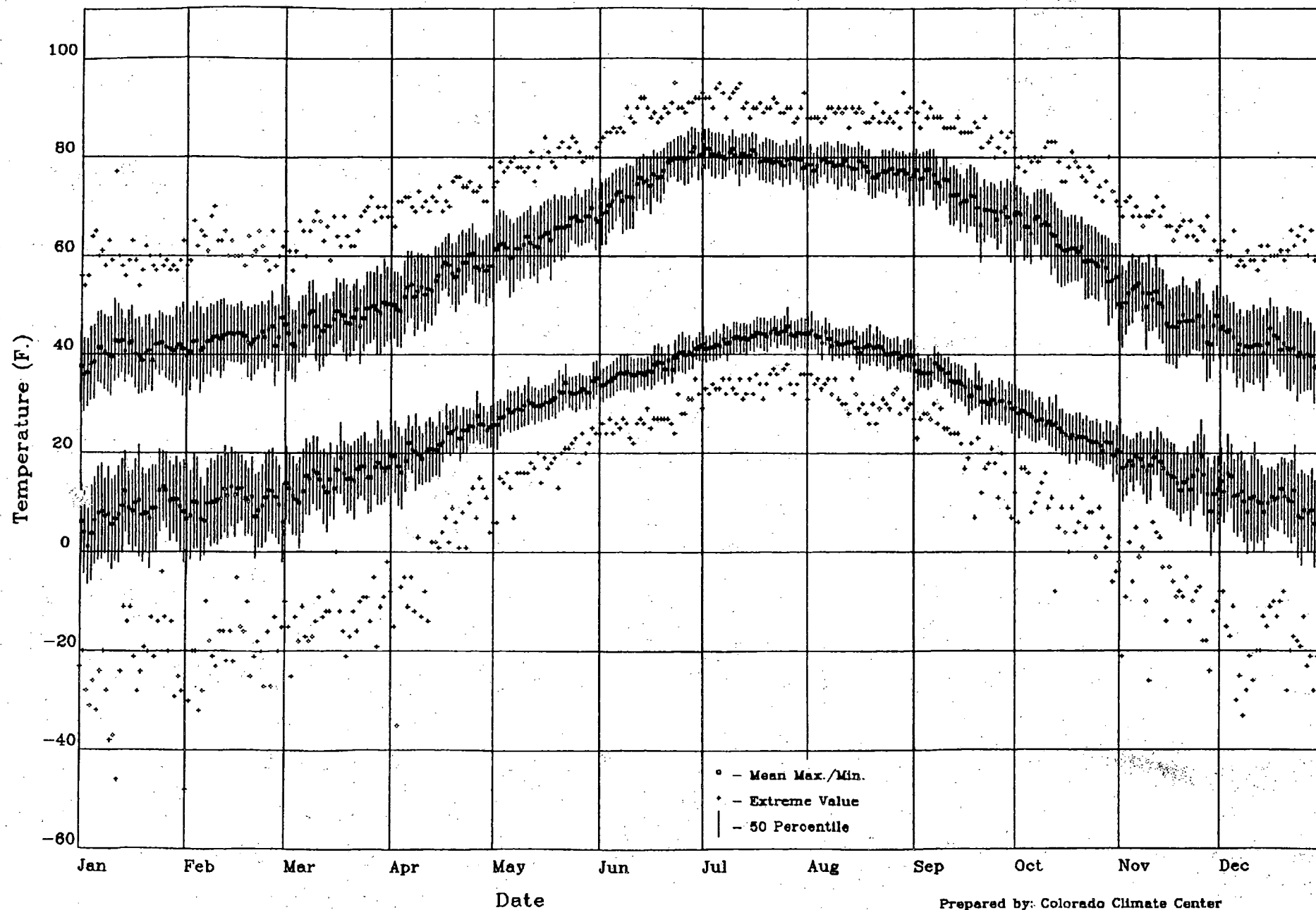
BAILEY

Record: 39 years ending in 1987

Lat 39 24

Long 105 29

Elev 7730



Latitude: 39 24 Longitude: 105 29 Elevation: 7730

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	40.5	43.2	46.9	55.1	64.1	75.3	79.9	77.8	72.1	62.3	48.7	41.7	59.0
Std. Dev.	3.8	4.1	4.3	4.0	4.3	4.1	2.5	2.7	4.1	5.4	4.5	4.5	
Mean Min.	8.3	10.2	15.0	22.3	30.5	37.3	43.4	41.7	33.6	24.5	16.0	10.2	24.4
Std. Dev.	5.1	4.1	3.8	2.7	2.0	2.1	2.0	2.3	2.3	2.7	3.6	3.8	
Num. Yrs.	38	38	38	39	39	39	39	39	39	39	38	38	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	773	643	578	330	120	16	0	1	39	211	514	724	3950
55	926	783	731	475	236	51	3	8	100	350	661	876	5199
57	987	839	792	534	292	75	7	17	140	410	720	937	5749
60	1078	922	884	623	381	128	23	47	214	501	808	1028	6638
65	1231	1062	1037	772	533	253	106	156	357	655	956	1180	8297

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	9	95	214	161	43	3	0	0	525
57	0	0	0	0	4	61	157	110	22	1	0	0	355
60	0	0	0	0	1	26	82	48	7	0	0	0	163
65	0	0	0	0	0	3	13	4	1	0	0	0	20
70	0	0	0	0	0	0	1	0	0	0	0	0	1

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	5	6	19	80	249	487	667	613	396	164	21	5	2712
45	1	1	4	23	129	344	515	460	256	69	4	1	1807
50	0	0	1	3	45	208	364	308	131	17	1	0	1077
55	0	0	0	0	9	95	214	161	43	3	0	0	525
60	0	0	0	0	1	26	82	48	7	0	0	0	163

Corn GDD 12 18 43 111 225 371 452 425 332 205 56 16 2267

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1971	14	23	29	35	40	45	50	57	66	75/1953	31
32	0/1971	36	48	56	62	69	75	82	90	101	109/1972	29
28	59/1964	77	84	89	94	98	102	107	112	119	122/1972	26
24	93/1964	107	115	120	125	130	134	139	145	153	160/1972	26
20	116/1965	130	138	144	149	153	157	162	168	176	186/1955	26
16	135/1965	149	157	163	168	172	177	182	187	195	205/1983	26

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	6/19/1981	6/21	6/26	6/29	7/ 1	7/ 4	7/ 6	7/ 9	7/12	7/16	7/19/1971	31
32	5/28/1956	6/ 6	6/11	6/15	6/19	6/22	6/25	6/28	7/ 2	7/ 8	7/19/1971	29
28	5/14/1985	5/21	5/26	5/30	6/ 2	6/ 5	6/ 8	6/11	6/14	6/19	6/26/1965	26
24	4/22/1987	5/ 2	5/ 8	5/12	5/16	5/20	5/23	5/27	5/31	6/ 6	6/23/1964	26
20	4/13/1952	4/21	4/27	4/30	5/ 4	5/ 7	5/ 9	5/13	5/16	5/22	5/28/1965	26
16	4/10/1952	4/12	4/17	4/20	4/23	4/26	4/29	5/ 2	5/ 6	5/11	5/20/1960	26

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1971	7/22	7/29	8/ 4	8/ 8	8/12	8/17	8/21	8/26	9/ 3	9/ 8/1969	31
32	7/19/1971	8/ 8	8/16	8/21	8/25	8/30	9/ 3	9/ 7	9/13	9/20	9/23/1969	29
28	8/13/1985	8/26	9/ 1	9/ 4	9/ 8	9/11	9/14	9/17	9/21	9/26	9/25/1984	26
24	9/ 2/1952	9/12	9/17	9/20	9/24	9/26	9/29	10/ 2	10/ 6	10/11	10/21/1972	26
20	9/16/1951	9/22	9/27	9/30	10/ 4	10/ 6	10/ 9	10/13	10/16	10/21	10/27/1950	26
16	9/21/1965	9/30	10/ 5	10/ 9	10/12	10/16	10/19	10/22	10/26	10/31	11/ 9/1983	26

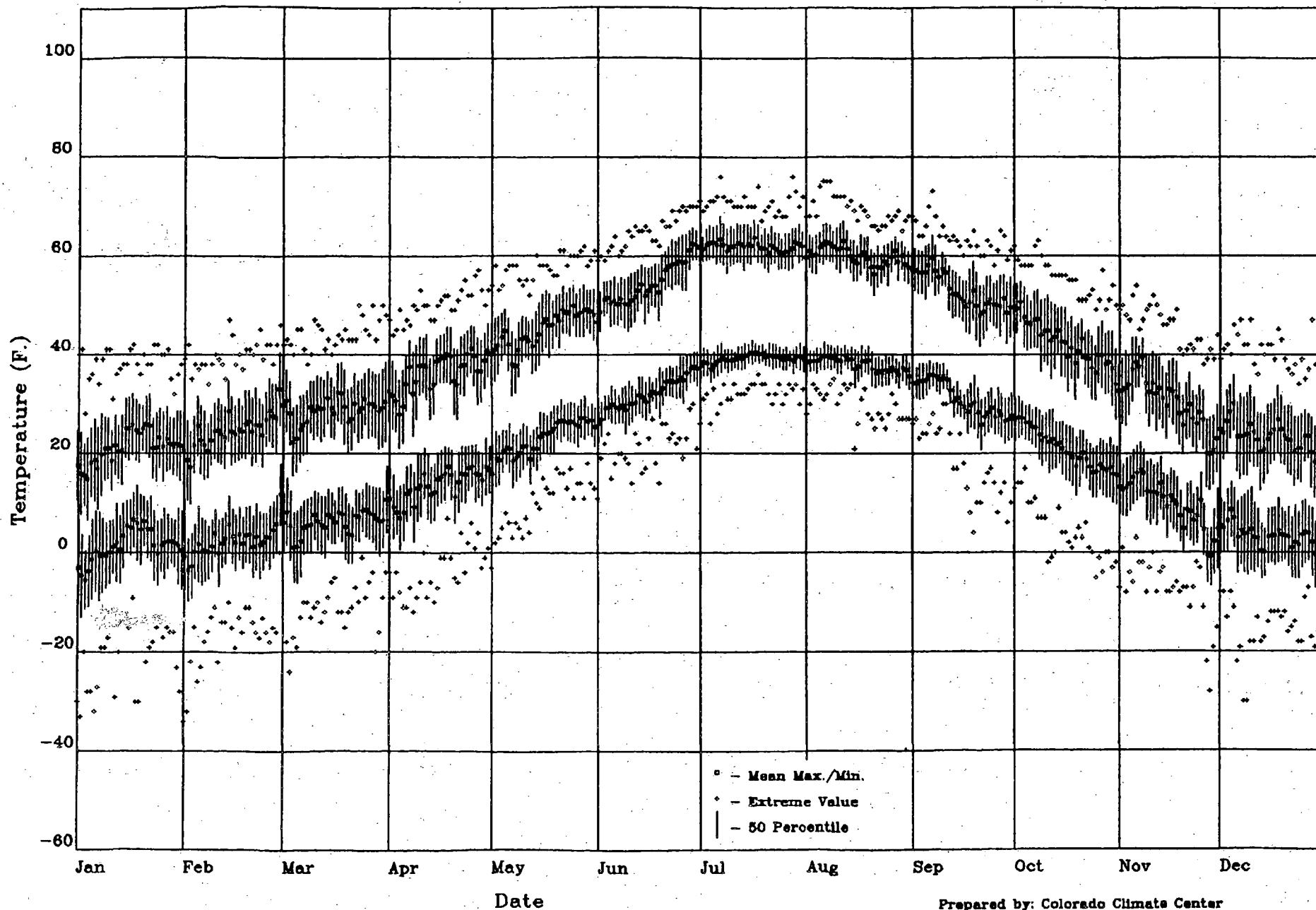
BERTHOUD PASS

Record: 23 years ending in 1985

Lat 39 48

Long 105 47

Elev 11310



Prepared by: Colorado Climate Center

Latitude: 39 48 Longitude: 105 47 Elevation: 11310

Period of Record: 36 years ending in 1985

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	21.2	24.2	28.7	36.2	45.0	54.2	61.9	59.9	53.0	42.4	30.4	23.2	40.0
Std. Dev.	3.2	3.2	3.4	3.4	2.6	2.9	2.8	2.4	2.8	4.2	3.2	3.5	
Mean Min.	1.4	2.0	6.2	13.6	23.1	32.0	39.2	38.0	31.0	20.9	9.8	3.2	18.4
Std. Dev.	3.1	3.3	3.3	3.5	2.2	2.2	1.5	2.0	2.4	3.4	3.2	3.4	
Num. Yrs.	23	23	23	23	21	21	21	21	22	22	22	21	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1188	1029	1002	744	486	214	39	66	239	561	889	1132	7589
55	1343	1170	1157	894	641	351	139	185	383	716	1039	1287	9304
57	1405	1226	1219	954	703	410	195	244	443	778	1099	1349	10024
60	1498	1310	1312	1044	795	500	286	336	533	871	1189	1442	11116
65	1652	1451	1467	1193	950	650	441	491	683	1026	1339	1597	12940

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	1	8	5	0	0	0	0	14
57	0	0	0	0	0	0	2	1	0	0	0	0	3
60	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	0	1	22	141	334	287	120	14	0	0	919
45	0	0	0	0	3	56	185	145	38	2	0	0	428
50	0	0	0	0	0	14	63	40	6	0	0	0	123
55	0	0	0	0	0	1	8	5	0	0	0	0	14
60	0	0	0	0	0	0	0	0	0	0	0	0	0

Corn GDD	0	0	0	1	19	87	186	157	74	14	0	0	538
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	0/1967	2	8	12	16	19	23	26	31	37	45/1984	21	
32	11/1980	28	37	43	48	53	58	64	70	79	80/1970	21	
28	35/1965	53	61	67	72	77	81	86	92	100	113/1972	21	
24	66/1968	78	85	90	94	98	101	105	110	117	123/1972	21	
20	87/1975	98	105	110	114	118	122	126	132	139	151/1972	21	
16	100/1973	112	120	126	131	136	140	145	151	159	162/1972	21	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	6/29/1981	7/ 2	7/ 5	7/ 7	7/ 9	7/10	7/12	7/14	7/16	7/18	7/19/1967	21	
32	6/12/1977	6/14	6/18	6/21	6/24	6/26	6/29	7/ 2	7/ 5	7/ 9	7/14/1980	21	
28	5/30/1977	6/ 7	6/11	6/14	6/17	6/19	6/22	6/25	6/28	7/ 2	7/ 6/1982	21	
24	5/29/1972	6/ 1	6/ 5	6/ 9	6/11	6/14	6/17	6/19	6/23	6/27	6/30/1968	21	
20	5/ 8/1969	5/17	5/23	5/27	5/30	6/ 2	6/ 5	6/ 9	6/12	6/18	6/26/1975	21	
16	4/29/1969	5/ 5	5/11	5/15	5/19	5/22	5/25	5/29	6/ 2	6/ 7	6/19/1973	21	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/19/1967	7/16	7/21	7/24	7/27	7/29	8/ 1	8/ 4	8/ 7	8/11	8/25/1984	21	
32	7/21/1973	7/28	8/ 5	8/10	8/15	8/19	8/23	8/27	9/ 2	9/ 9	9/13/1969	21	
28	8/ 1/1965	8/17	8/23	8/28	9/ 1	9/ 4	9/ 8	9/12	9/16	9/23	9/26/1981	21	
24	8/15/1978	9/ 3	9/ 8	9/13	9/16	9/19	9/23	9/26	10/ 1	10/ 6	10/16/1981	21	
20	9/13/1967	9/13	9/18	9/22	9/25	9/28	10/ 1	10/ 4	10/ 8	10/13	10/21/1972	21	
16	9/17/1965	9/20	9/25	9/28	10/ 1	10/ 4	10/ 7	10/10	10/14	10/19	10/23/1972	21	

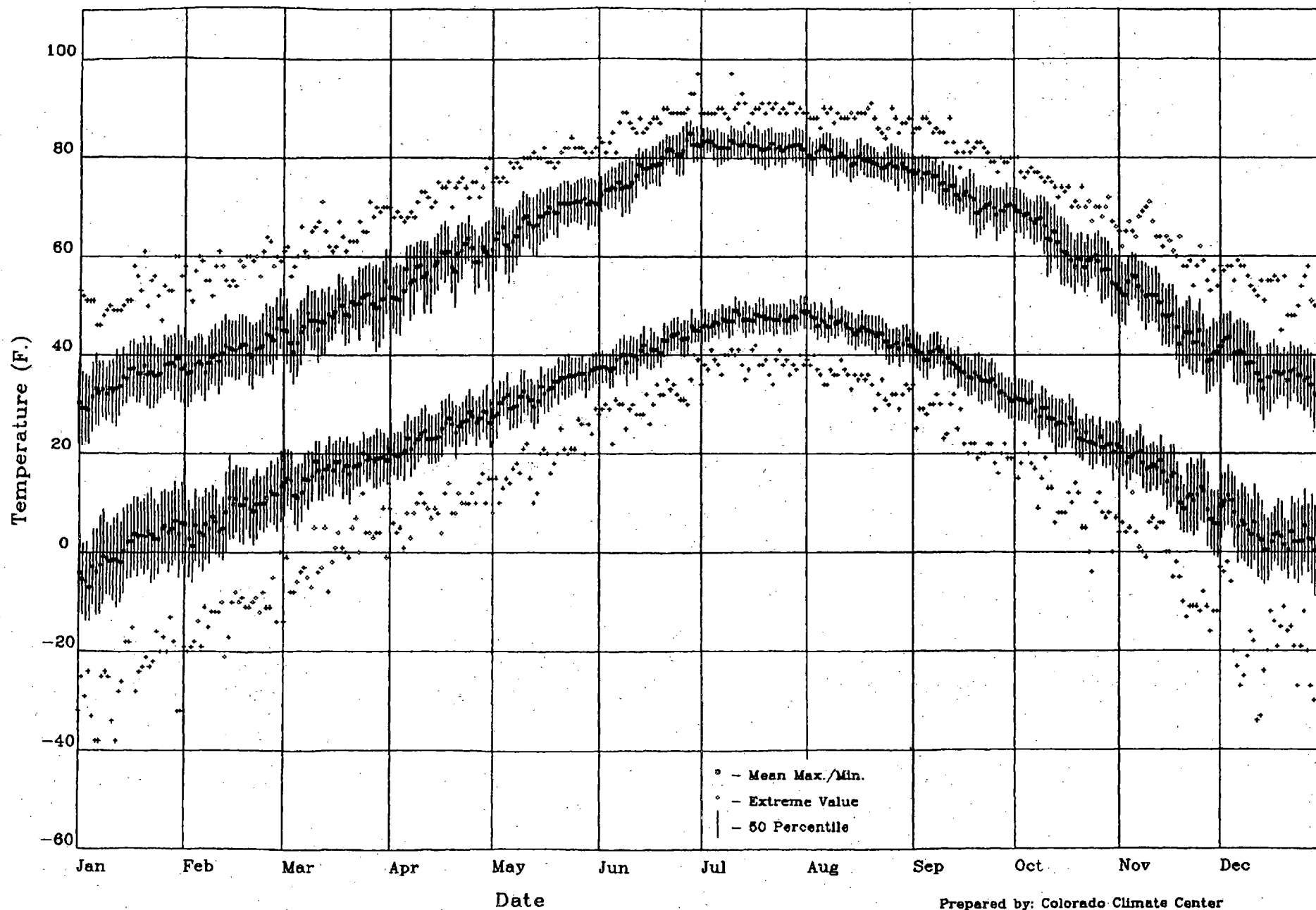
BLANCA

Record: 29 years ending in 1987

Lat 37 26

Long 105 31

Elev 7750



Prepared by: Colorado Climate Center

Latitude: 37 26 Longitude: 105 31 Elevation: 7750

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	34.7	40.4	48.1	58.0	67.7	77.8	82.4	79.7	72.8	62.2	48.2	37.0	59.1
Std. Dev.	5.0	4.5	4.4	3.5	3.0	2.6	1.8	2.2	2.7	4.3	4.3	4.7	
Mean Min.	0.9	7.9	16.7	24.4	32.9	41.1	47.3	44.9	36.9	26.2	14.8	3.7	24.8
Std. Dev.	6.4	5.3	3.6	3.2	2.4	2.1	2.1	2.5	2.2	2.0	3.3	4.6	
Num. Yrs.	27	27	27	27	28	27	28	27	27	27	27	26	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	989	722	523	266	72	3	0	0	17	191	540	909	4233
55	1144	863	673	407	162	21	0	2	60	327	688	1064	5411
57	1206	920	733	466	210	37	1	6	92	388	747	1126	5930
60	1299	1005	823	555	294	71	4	19	158	480	835	1219	6761
65	1453	1146	974	704	447	169	41	93	294	634	983	1373	8311

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	1	25	160	310	236	63	2	0	0	796
57	0	0	0	0	11	116	250	178	36	0	0	0	591
60	0	0	0	0	2	61	161	98	12	0	0	0	335
65	0	0	0	0	0	11	44	18	1	0	0	0	73
70	0	0	0	0	0	0	3	1	0	0	0	0	3

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	1	19	114	334	585	771	697	446	176	15	0	3159
45	0	0	3	42	198	437	618	543	302	77	2	0	2221
50	0	0	0	9	89	291	464	389	168	19	0	0	1429
55	0	0	0	1	25	160	310	236	63	2	0	0	796
60	0	0	0	0	2	61	161	98	12	0	0	0	335

Corn GDD 2 9 47 139 276 411 502 462 337 200 46 4 2434

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	22/1962	39	48	54	60	65	70	76	82	91	99/1982	21
32	62/1964	73	80	84	88	92	96	100	104	111	117/1972	18
28	86/1962	97	105	111	116	121	126	131	137	145	144/1964	16
24	103/1962	113	122	129	134	140	145	151	157	167	178/1987	16
20	123/1971	137	145	151	156	160	165	170	175	183	182/1972	16
16	147/1970	153	164	172	179	185	192	199	207	218	229/1986	15

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/29/1986	6/ 7	6/11	6/15	6/18	6/20	6/23	6/26	6/29	7/ 4	7/14/1962	21
32	5/22/1972	5/28	6/ 1	6/ 5	6/ 8	6/11	6/13	6/16	6/20	6/24	6/27/1969	18
28	5/ 8/1984	5/ 8	5/14	5/18	5/21	5/24	5/27	5/31	6/ 4	6/ 9	6/16/1962	16
24	4/21/1987	4/30	5/ 5	5/ 9	5/12	5/15	5/18	5/21	5/24	5/29	6/ 5/1971	16
20	4/ 6/1985	4/15	4/21	4/26	4/29	5/ 3	5/ 7	5/11	5/15	5/22	5/28/1965	16
16	3/20/1986	4/ 1	4/ 9	4/15	4/20	4/25	4/29	5/ 4	5/10	5/18	5/18/1971	15

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/21/1973	7/31	8/ 8	8/14	8/20	8/24	8/29	9/ 4	9/10	9/18	9/27/1982	21
32	8/21/1964	8/29	9/ 2	9/ 5	9/ 8	9/11	9/13	9/16	9/19	9/23	9/28/1982	18
28	9/ 5/1971	9/10	9/14	9/17	9/20	9/22	9/25	9/27	9/30	10/ 5	10/ 6/1987	16
24	9/10/1962	9/15	9/20	9/25	9/28	10/ 1	10/ 5	10/ 8	10/12	10/18	10/30/1972	16
20	9/20/1971	9/25	10/ 1	10/ 4	10/ 7	10/10	10/13	10/17	10/20	10/25	10/30/1972	16
16	9/26/1970	10/12	10/17	10/21	10/24	10/27	10/30	11/ 2	11/ 6	11/11	11/14/1985	15

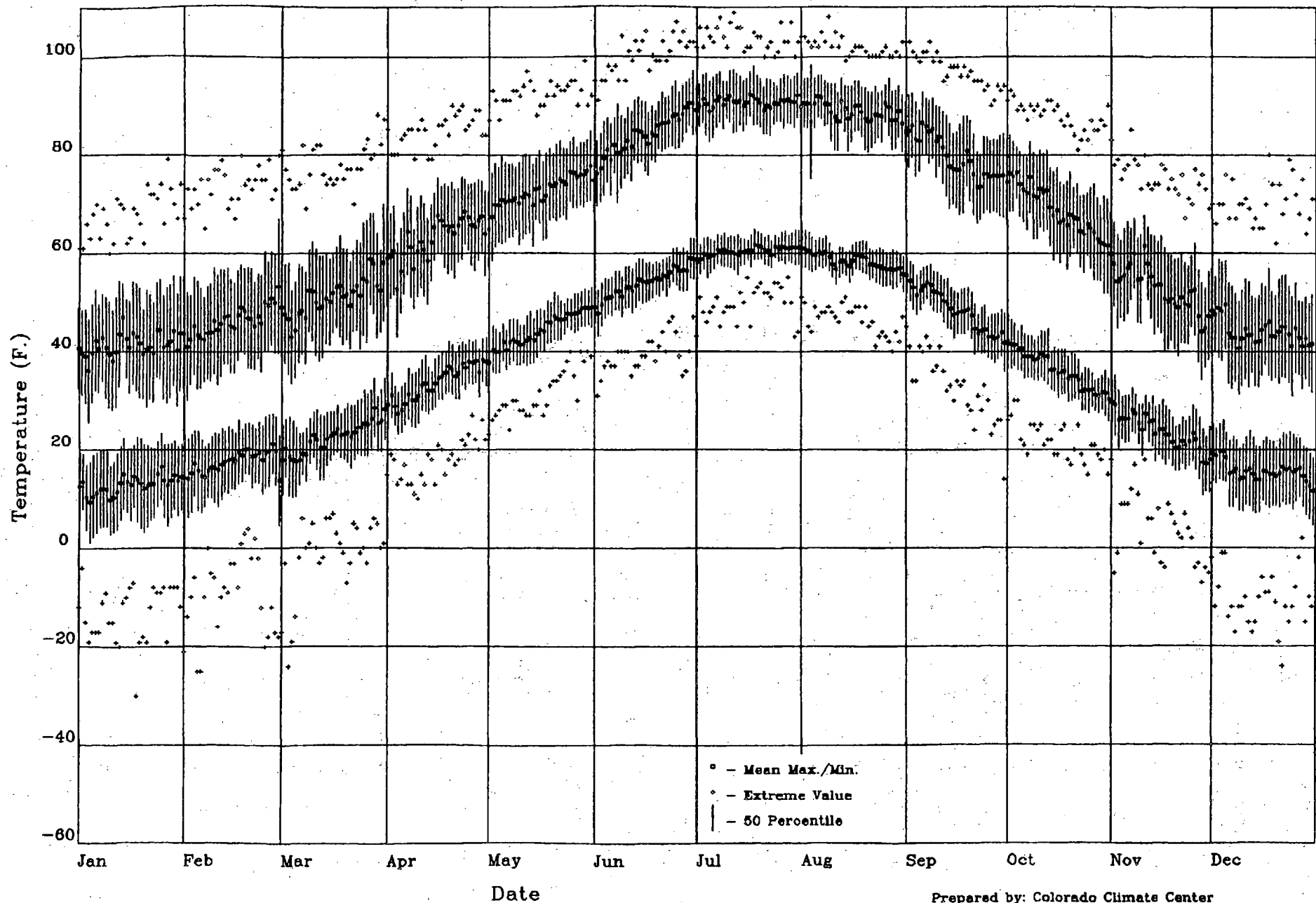
BONNY LAKE

Record: 39 years ending in 1987

Lat 39 38

Long 102 11

Elev 3750



Prepared by: Colorado Climate Center

Latitude: 39 38 Longitude: 102 11 Elevation: 3750

Period of Record: 39 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	40.8	45.7	50.9	62.7	72.6	83.6	90.7	88.7	79.6	68.9	53.1	44.1	65.1
Std. Dev.	4.9	6.1	5.8	4.6	3.9	4.3	3.2	3.1	4.1	4.7	4.5	5.7	
Mean Min.	12.5	17.4	22.5	33.7	44.4	53.9	60.5	58.5	48.6	36.1	24.0	15.9	35.7
Std. Dev.	4.0	3.5	3.4	2.9	2.6	3.1	2.4	2.4	3.2	3.1	3.0	3.9	
Num. Yrs.	34	35	33	34	34	35	37	36	35	36	34	34	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	712	515	420	139	24	1	0	1	11	78	338	612	2850
55	866	654	562	234	60	5	0	1	26	149	476	765	3798
57	927	710	622	280	82	9	0	1	36	186	533	827	4214
60	1020	794	714	356	125	17	1	3	57	251	621	919	4878
65	1174	935	868	495	223	47	3	9	114	381	768	1073	6090

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	4	39	174	427	636	583	304	80	2	0	2248
57	0	0	2	25	135	370	575	522	255	56	0	0	1940
60	0	0	0	11	86	289	484	431	186	30	0	0	1516
65	0	0	0	2	31	168	334	282	93	6	0	0	916
70	0	0	0	0	6	77	192	151	34	0	0	0	461

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	16	37	94	286	576	872	1095	1046	726	403	98	26	5275
45	3	12	44	177	429	722	942	892	580	273	40	7	4120
50	0	3	16	92	292	573	789	737	438	162	10	1	3113
55	0	0	4	39	174	427	636	583	304	80	2	0	2248
60	0	0	0	11	86	289	484	431	186	30	0	0	1516

Corn GDD	34	56	102	211	355	538	689	655	451	298	108	47	3543
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	103/1974	117	124	129	133	137	141	145	150	157	169/1956	27	
32	118/1951	133	140	145	150	154	158	162	167	175	181/1963	26	
28	155/1966	159	165	170	174	177	181	185	189	196	211/1963	26	
24	159/1983	172	180	186	191	196	201	206	212	220	237/1965	26	
20	176/1966	194	202	207	212	216	220	225	230	238	245/1965	26	
16	201/1951	213	221	227	232	236	240	245	251	259	270/1963	25	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	4/26/1977	5/ 1	5/ 6	5/ 9	5/12	5/15	5/18	5/21	5/24	5/29	6/ 3/1954	27	
32	4/17/1974	4/21	4/26	4/29	5/ 2	5/ 5	5/ 8	5/11	5/14	5/19	6/ 2/1951	26	
28	4/ 4/1963	4/10	4/15	4/18	4/21	4/24	4/27	4/30	5/ 3	5/ 8	5/13/1953	26	
24	3/18/1960	3/30	4/ 3	4/ 7	4/10	4/13	4/15	4/18	4/22	4/27	5/ 1/1967	26	
20	3/15/1963	3/20	3/25	3/28	3/31	4/ 3	4/ 6	4/ 9	4/12	4/17	4/22/1966	26	
16	3/ 8/1971	3/11	3/16	3/20	3/23	3/26	3/29	4/ 1	4/ 5	4/10	4/18/1953	25	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	9/ 3/1974	9/14	9/19	9/23	9/26	9/29	10/ 2	10/ 5	10/ 9	10/14	10/27/1963	27	
32	9/13/1974	9/21	9/26	9/30	10/ 3	10/ 6	10/ 9	10/12	10/16	10/21	10/28/1963	26	
28	9/20/1983	10/ 6	10/10	10/13	10/16	10/18	10/21	10/23	10/26	10/30	11/ 2/1956	26	
24	9/21/1983	10/ 9	10/15	10/19	10/22	10/26	10/29	11/ 1	11/ 6	11/11	11/22/1965	26	
20	10/ 7/1952	10/21	10/26	10/30	11/ 2	11/ 5	11/ 8	11/11	11/15	11/20	11/27/1965	26	
16	10/31/1959	11/ 2	11/ 7	11/11	11/14	11/17	11/20	11/23	11/27	12/ 2	12/16/1965	25	

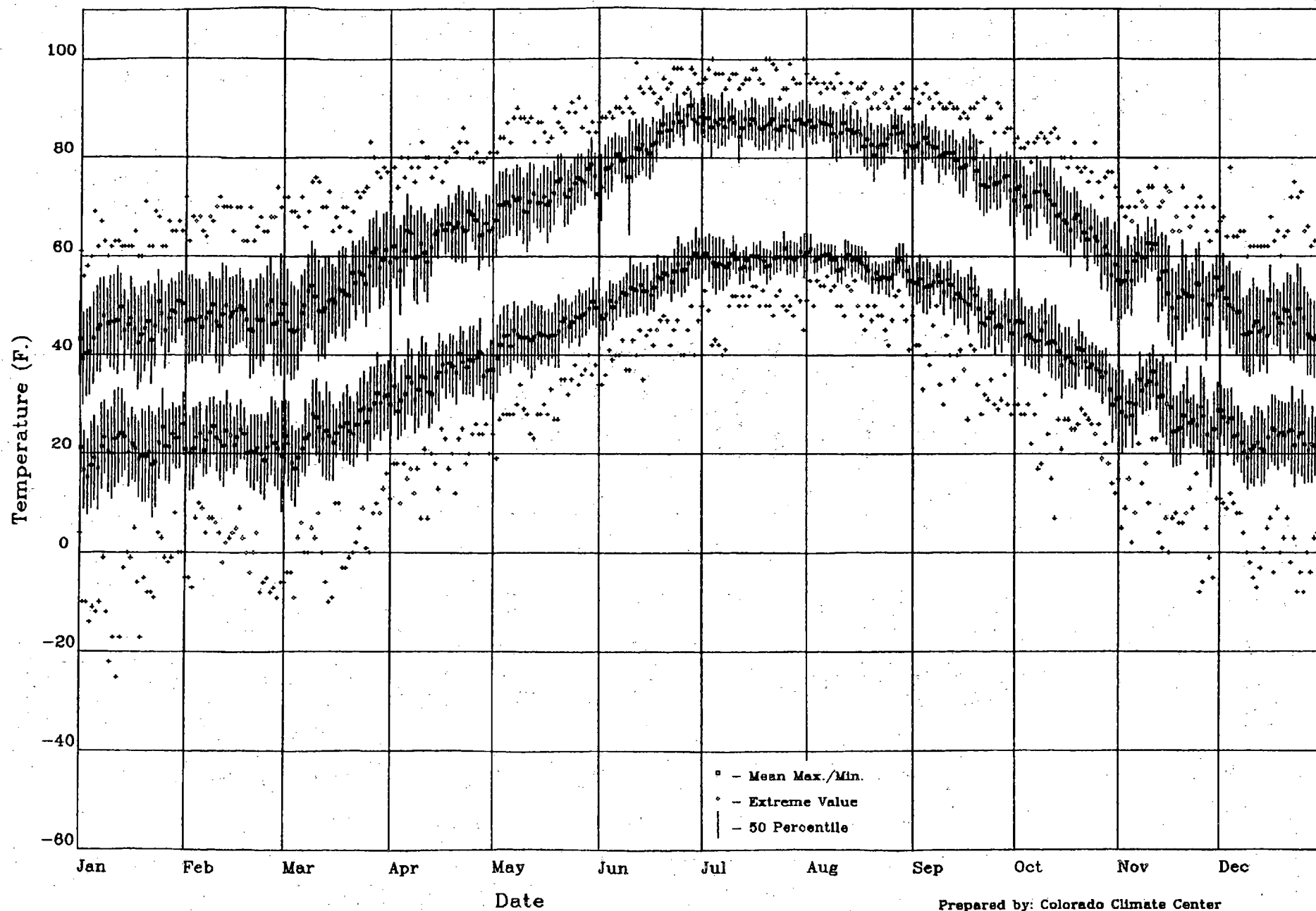
BRANSON

Record: 22 years ending in 1977

Lat 37 1

Long 103 53

Elev 6290



Prepared by: Colorado Climate Center

Latitude: 37 1 Longitude: 103 53 Elevation: 6290 Period of Record: 30 years ending in 1977

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	45.9	47.7	52.8	63.9	72.0	82.5	86.9	84.9	78.9	67.7	55.0	47.3	65.5
Std. Dev.	4.4	6.1	6.0	3.7	3.4	3.6	2.3	2.5	3.1	3.7	4.4	4.0	
Mean Min.	21.0	22.2	25.4	35.7	44.6	54.2	59.3	58.3	51.1	40.3	29.2	23.1	38.7
Std. Dev.	4.3	4.6	3.9	3.5	2.9	3.2	2.4	1.7	2.6	2.9	3.9	2.8	
Num. Yrs.	21	21	20	21	19	21	21	17	18	20	20	22	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	507	427	356	109	25	2	0	0	3	66	256	452	2202
55	659	563	491	197	61	6	0	0	11	125	382	602	3098
57	721	619	549	240	82	9	0	1	16	157	439	663	3496
60	813	703	639	311	125	17	1	2	31	215	526	754	4138
65	968	845	792	447	226	45	6	8	79	335	673	907	5332

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	8	48	171	409	560	522	313	100	6	1	2139
57	0	1	5	32	130	353	499	461	260	71	3	1	1813
60	0	0	2	14	80	271	408	369	186	39	1	0	1370
65	0	0	0	2	26	151	261	221	86	8	0	0	754
70	0	0	0	0	6	62	128	94	25	0	0	0	316

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	51	60	133	320	576	848	1017	986	745	441	161	63	5399
45	16	23	67	202	427	700	865	831	598	307	79	21	4136
50	3	7	28	109	289	553	712	676	453	191	28	5	3052
55	0	1	8	48	171	409	560	522	313	100	6	1	2139
60	0	0	2	14	80	271	408	369	186	39	1	0	1370

Corn GDD 42 52 108 220 360 541 663 642 473 282 114 48 3545

Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	110/1951	109	115	120	124	127	130	134	139	145	148/1960	8	
32	130/1965	134	140	143	147	150	153	156	160	165	165/1954	7	
28	154/1967	150	157	162	166	170	174	178	183	190	198/1969	7	
24	178/1954	168	176	182	187	191	196	201	207	215	229/1965	7	
20	183/1960	186	195	202	208	213	218	224	231	240	244/1965	6	
16	201/1969	211	221	228	234	240	245	251	258	268	265/1965	6	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	5/20/1952	5/19	5/23	5/25	5/27	5/30	6/ 1	6/ 3	6/ 5	6/ 9	6/14/1969	8	
32	5/ 3/1954	5/ 5	5/ 8	5/ 9	5/11	5/12	5/14	5/15	5/17	5/20	5/20/1960	7	
28	3/27/1969	4/ 2	4/10	4/16	4/21	4/25	4/30	5/ 5	5/11	5/19	5/15/1967	7	
24	3/26/1969	4/ 1	4/ 8	4/13	4/18	4/22	4/26	5/ 1	5/ 6	5/13	5/13/1953	7	
20	3/17/1967	3/15	3/23	3/30	4/ 4	4/ 9	4/13	4/18	4/25	5/ 3	5/ 2/1954	6	
16	3/ 8/1967	3/11	3/15	3/17	3/20	3/22	3/23	3/26	3/28	4/ 1	3/30/1954	6	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	9/17/1965	9/21	9/25	9/28	10/ 1	10/ 4	10/ 6	10/ 9	10/12	10/16	10/15/1954	8	
32	9/17/1965	9/24	9/29	10/ 3	10/ 6	10/ 9	10/12	10/15	10/19	10/24	10/23/1953	7	
28	9/17/1965	9/25	10/ 1	10/ 5	10/ 9	10/12	10/16	10/19	10/24	10/30	10/26/1953	7	
24	10/ 6/1952	10/ 6	10/14	10/20	10/25	10/30	11/ 4	11/ 9	11/15	11/23	11/27/1965	7	
20	10/12/1969	10/15	10/23	10/29	11/ 3	11/ 7	11/12	11/17	11/23	12/ 1	11/28/1954	6	
16	10/12/1969	10/18	10/28	11/ 4	11/10	11/16	11/22	11/28	12/ 5	12/15	12/16/1965	6	

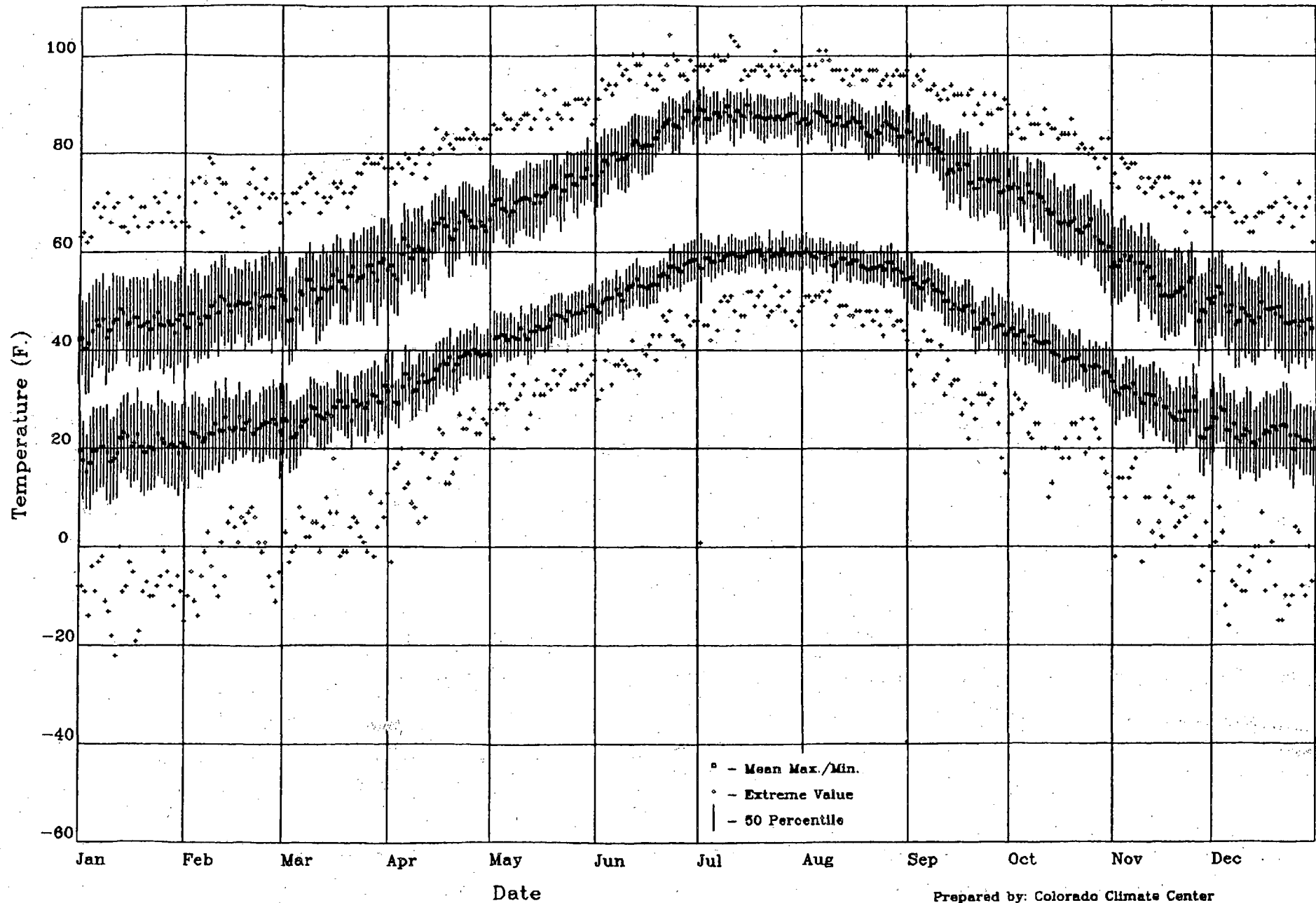
BOULDER

Record: 40 years ending in 1987

Lat 40 0

Long 105 16

Elev 5420



Prepared by: Colorado Climate Center

Latitude: 40 0 Longitude: 105 16 Elevation: 5420 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	45.1	48.6	53.3	62.7	71.7	82.2	87.8	85.9	77.8	67.6	53.8	47.3	65.3
Std. Dev.	5.2	4.8	4.5	4.0	3.3	4.1	2.0	2.2	4.0	4.6	4.4	4.7	
Mean Min.	20.0	23.8	27.6	35.7	44.9	53.6	59.3	57.9	49.3	39.5	28.8	23.3	38.6
Std. Dev.	5.3	4.0	3.4	2.9	2.6	2.8	2.4	2.2	3.3	3.4	3.5	4.2	
Num. Yrs.	38	38	39	39	38	38	38	40	39	40	39	39	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	537	391	315	119	19	1	0	0	10	62	282	457	2194
55	688	524	451	211	54	6	0	0	25	125	411	605	3100
57	750	579	510	255	76	9	1	0	34	161	467	666	3508
60	843	662	600	330	120	18	1	1	55	224	555	759	4167
65	998	803	754	470	224	49	4	7	114	354	704	913	5394

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	1	3	7	43	164	400	583	530	289	89	7	2	2117
57	0	1	4	28	125	343	522	469	238	62	4	1	1796
60	0	0	1	13	75	262	429	377	169	33	1	0	1360
65	0	0	0	2	25	144	277	228	78	9	0	0	762
70	0	0	0	0	5	58	138	99	24	1	0	0	325

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	54	74	137	309	575	844	1048	995	715	438	150	71	5411
45	19	31	66	191	425	695	893	840	568	300	75	29	4132
50	5	10	26	101	284	546	738	685	424	180	28	9	3036
55	1	3	7	43	164	400	583	530	289	89	7	2	2117
60	0	0	1	13	75	262	429	377	169	33	1	0	1360

Corn GDD	45	58	107	207	351	528	678	643	451	286	109	56	3518
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	101/1975	111	118	123	128	132	136	140	145	153	161/1953	34	
32	110/1951	129	138	144	149	154	159	164	170	179	197/1956	33	
28	123/1963	156	164	169	174	178	183	187	193	200	206/1956	32	
24	144/1963	174	183	190	196	201	206	212	219	228	249/1965	31	
20	159/1963	188	197	204	209	214	220	225	232	241	263/1965	30	
16	159/1963	201	211	218	224	230	236	242	250	260	267/1984	30	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/22/1987	5/ 2	5/ 8	5/12	5/16	5/19	5/22	5/26	5/30	6/ 5	7/ 2/1963	34	
32	4/10/1956	4/14	4/21	4/27	5/ 1	5/ 5	5/ 9	5/13	5/19	5/26	7/ 2/1963	33	
28	3/26/1965	3/30	4/ 7	4/13	4/17	4/22	4/26	5/ 1	5/ 7	5/15	7/ 2/1963	32	
24	3/ 8/1967	3/18	3/27	4/ 2	4/ 7	4/12	4/17	4/22	4/28	5/ 7	7/ 2/1963	31	
20	3/ 8/1967	3/10	3/19	3/25	3/31	4/ 5	4/10	4/15	4/22	5/ 1	7/ 2/1963	30	
16	3/ 6/1961	3/ 2	3/11	3/18	3/24	3/30	4/ 4	4/10	4/17	4/26	7/ 2/1963	30	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 2/1974	9/12	9/17	9/21	9/25	9/28	10/ 1	10/ 4	10/ 8	10/14	10/27/1963	34	
32	9/12/1974	9/19	9/25	9/29	10/ 3	10/ 6	10/10	10/13	10/18	10/23	10/31/1963	33	
28	9/17/1965	9/29	10/ 5	10/10	10/14	10/17	10/21	10/25	10/30	11/ 5	11/ 9/1953	32	
24	9/19/1971	10/ 9	10/16	10/21	10/26	10/30	11/ 3	11/ 8	11/13	11/20	11/30/1965	31	
20	9/29/1985	10/15	10/22	10/28	11/ 1	11/ 5	11/ 9	11/14	11/19	11/26	12/14/1965	30	
16	9/30/1985	10/25	11/ 1	11/ 6	11/11	11/15	11/19	11/23	11/28	12/ 5	12/16/1964	30	

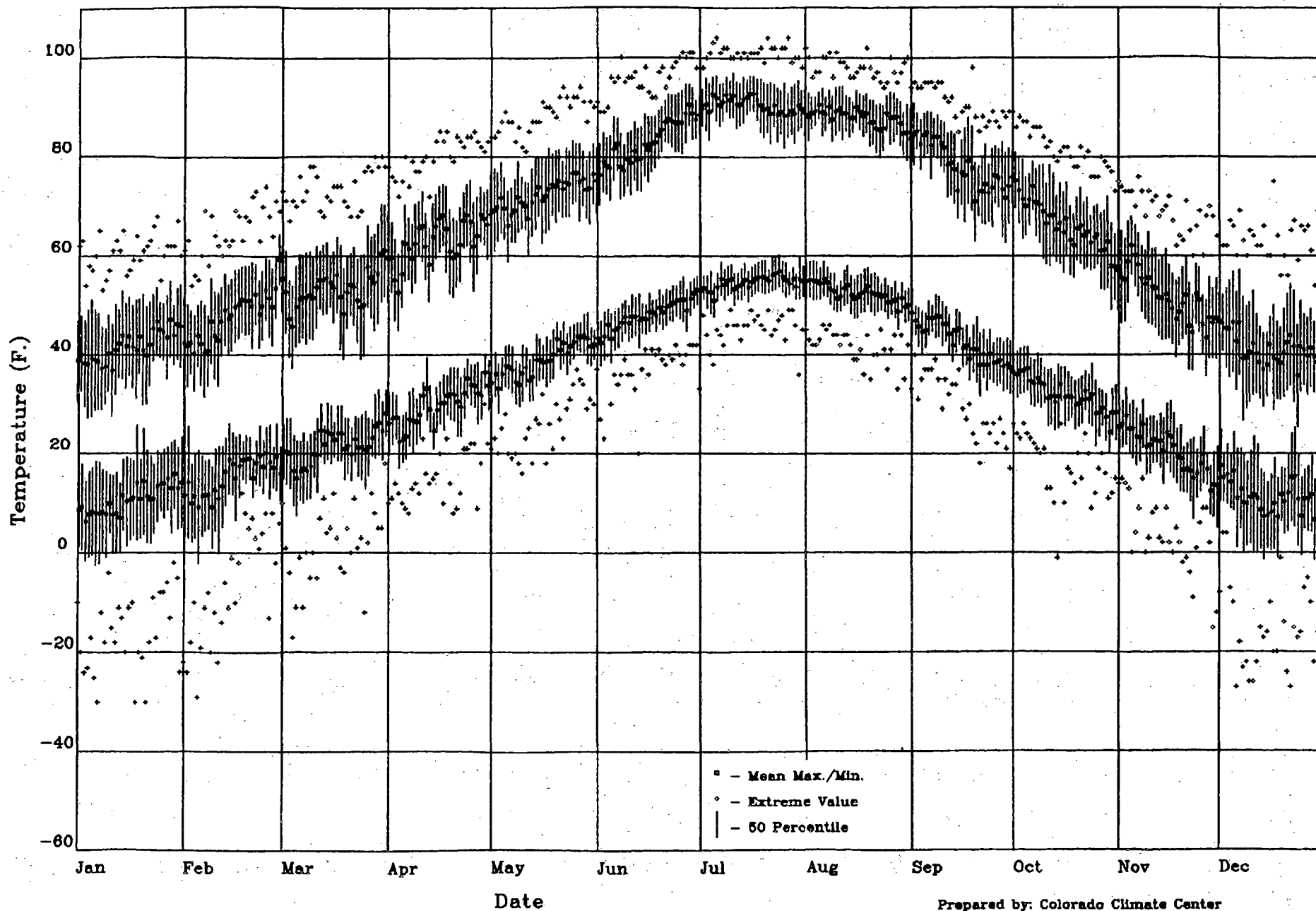
BRIGGSDALE

Record: 23 years ending in 1987

Lat 40 38

Long 104 18

Elev 4870



Prepared by: Colorado Climate Center

Latitude: 40 38 Longitude: 104 18 Elevation: 4870 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	41.9	47.0	53.0	62.8	72.2	82.7	90.0	87.8	78.1	66.2	51.6	41.4	64.6
Std. Dev.	5.4	4.5	5.6	5.1	4.1	3.6	2.9	2.4	3.8	5.5	5.4	5.9	
Mean Min.	11.2	15.6	21.3	29.6	38.9	48.0	54.6	52.6	42.5	31.9	20.7	11.6	31.5
Std. Dev.	4.6	3.6	4.5	3.2	2.9	2.0	2.1	2.6	2.6	3.5	2.4	4.3	
Num. Yrs.	17	15	17	18	20	20	21	20	18	18	18	17	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	699	521	393	157	26	1	0	0	20	108	391	702	3019
55	849	661	540	270	76	6	0	0	42	199	533	852	4028
57	910	717	600	322	107	11	0	0	56	246	590	912	4472
60	1001	801	691	404	164	23	1	1	83	328	676	1002	5176
65	1152	942	843	550	287	66	5	9	161	475	820	1153	6464

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	1	15	101	313	529	468	203	27	0	0	1658
57	0	0	1	8	71	259	469	408	159	13	0	0	1388
60	0	0	0	2	37	184	379	318	98	4	0	0	1023
65	0	0	0	0	7	82	234	176	30	0	0	0	529
70	0	0	0	0	0	23	105	62	4	0	0	0	194

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	7	18	73	224	485	743	979	919	601	303	58	14	4424
45	2	5	27	121	338	598	829	769	461	181	17	4	3350
50	0	1	6	50	204	453	679	618	327	87	3	1	2430
55	0	0	1	15	101	313	529	468	203	27	0	0	1658
60	0	0	0	2	37	184	379	318	98	4	0	0	1023

Corn GDD	23	45	102	203	339	466	596	572	407	255	83	28	3121
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	55/1971	75	84	91	96	102	107	113	119	128	142/1987	12	
32	90/1973	106	113	118	123	127	131	136	141	148	149/1985	11	
28	123/1974	125	131	135	138	142	145	149	153	159	166/1987	11	
24	149/1965	150	156	160	164	168	171	175	179	185	194/1973	11	
20	157/1983	163	172	179	184	190	195	201	207	217	229/1965	10	
16	191/1987	186	193	199	203	207	211	216	221	228	241/1965	7	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/29/1987	5/17	5/23	5/27	5/30	6/ 2	6/ 5	6/ 8	6/12	6/18	6/13/1969	12	
32	4/25/1987	4/30	5/ 6	5/10	5/13	5/17	5/20	5/23	5/28	6/ 2	6/ 5/1973	11	
28	4/23/1987	4/23	4/29	5/ 2	5/ 5	5/ 8	5/11	5/14	5/18	5/23	6/ 2/1969	11	
24	4/ 9/1971	4/11	4/14	4/16	4/18	4/20	4/22	4/24	4/27	4/30	5/ 1/1972	11	
20	3/27/1965	4/ 2	4/ 6	4/ 9	4/11	4/14	4/16	4/19	4/22	4/26	4/28/1969	10	
16	3/26/1965	3/29	4/ 1	4/ 3	4/ 5	4/ 7	4/ 8	4/10	4/12	4/15	4/15/1983	7	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/30/1971	8/21	8/29	9/ 3	9/ 7	9/12	9/16	9/20	9/26	10/ 3	10/ 3/1969	12	
32	9/ 3/1973	9/ 9	9/13	9/16	9/18	9/20	9/23	9/25	9/28	10/ 2	10/ 4/1969	11	
28	9/17/1965	9/17	9/20	9/23	9/25	9/27	9/29	10/ 1	10/ 4	10/ 7	10/12/1986	11	
24	9/19/1971	9/18	9/24	9/28	10/ 2	10/ 5	10/ 8	10/12	10/16	10/22	10/27/1973	11	
20	9/21/1983	9/29	10/ 7	10/12	10/16	10/21	10/25	10/29	11/ 4	11/11	11/11/1965	10	
16	10/11/1987	10/15	10/20	10/24	10/28	10/31	11/ 3	11/ 6	11/10	11/16	11/22/1965	7	

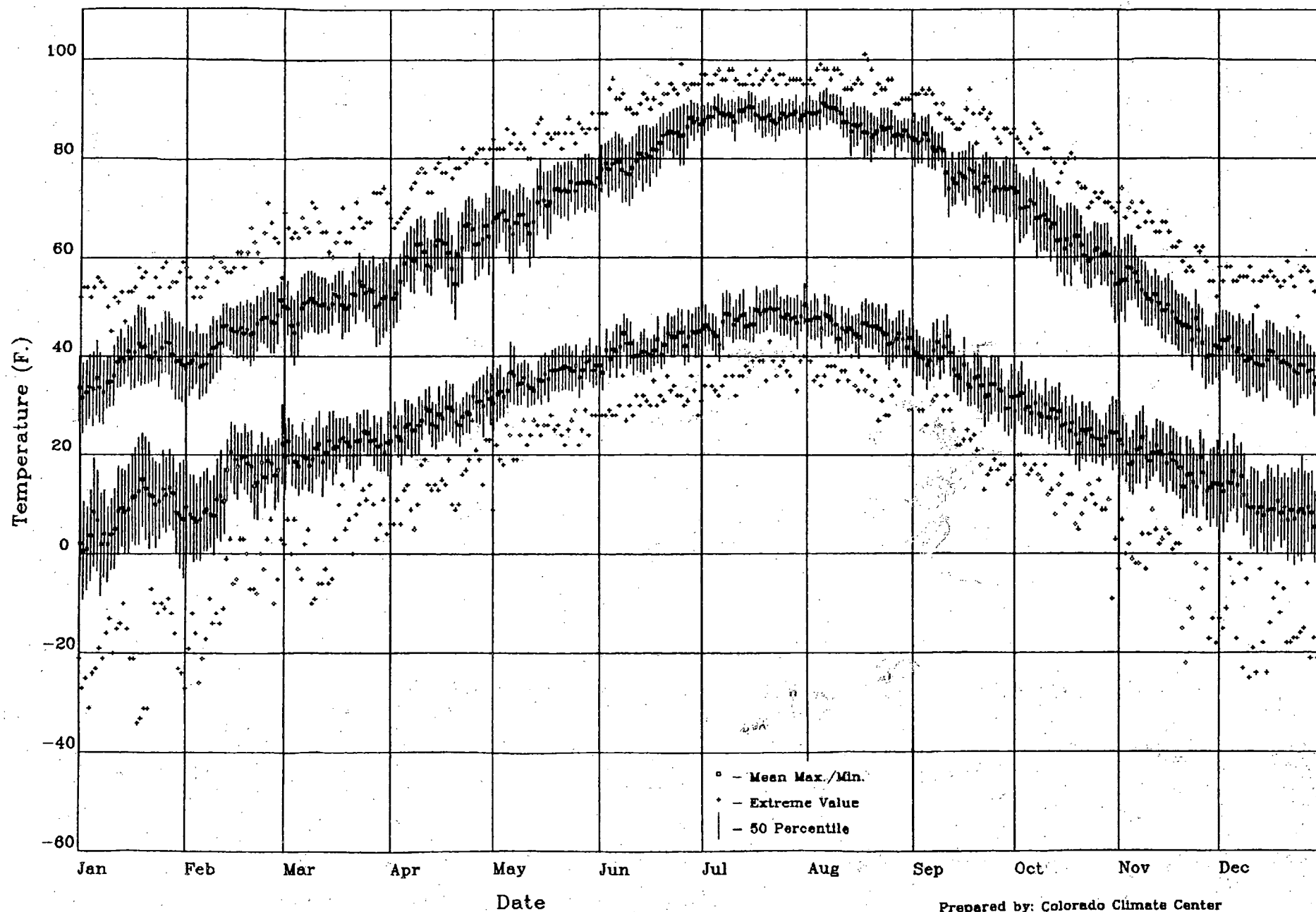
BROWNS PARK REFUGE

Record: 22 years ending in 1987

Lat 40 48

Long 108 55

Elev 5350



Prepared by: Colorado Climate Center

Latitude: 40.48 Longitude: 108.55 Elevation: 5350 Period of Record: 22 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	38.0	43.7	50.8	60.7	70.9	81.6	88.8	87.2	77.7	64.7	49.0	39.0	62.7
Std. Dev.	5.2	3.8	4.1	4.6	3.4	3.8	1.6	2.4	3.4	4.6	3.6	5.0	
Mean Min.	8.2	13.9	21.4	27.6	35.7	42.0	47.4	45.4	36.5	26.7	18.2	9.7	27.7
Std. Dev.	6.8	4.4	3.6	2.6	2.2	2.8	2.2	2.8	3.5	3.0	3.4	4.6	
Num. Yrs.	21	21	21	22	21	21	21	21	22	21	22	22	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	803	581	414	186	41	2	0	0	16	156	474	772	3445
55	954	719	565	313	103	12	0	1	49	280	620	925	4542
57	1014	775	625	368	139	23	0	2	70	336	679	986	5018
60	1105	858	716	453	210	46	1	6	115	425	767	1077	5779
65	1256	997	868	598	353	117	9	31	227	575	913	1230	7175

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	6	58	222	397	345	120	6	0	0	1154
57	0	0	0	3	33	174	338	286	83	2	0	0	918
60	0	0	0	1	11	108	249	201	40	1	0	0	611
65	0	0	0	0	1	31	109	77	7	0	0	0	226
70	0	0	0	0	0	4	21	13	1	0	0	0	39

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	2	5	36	161	417	653	842	791	509	203	29	2	3649
45	0	1	7	71	273	505	693	642	366	98	6	0	2663
50	0	0	1	24	150	360	545	493	233	33	0	0	1838
55	0	0	0	6	58	222	397	345	120	6	0	0	1154
60	0	0	0	1	11	108	249	201	40	1	0	0	611

Corn GDD 5 17 61 168 321 455 545 526 402 230 54 7 2791

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	21/1980	31	42	50	57	64	70	77	85	97	101/1977	12
32	45/1980	58	70	79	87	94	102	109	118	131	136/1981	12
28	104/1979	108	114	118	122	125	129	133	137	143	148/1987	11
24	120/1980	119	128	136	142	147	153	159	166	176	198/1981	11
20	155/1985	157	165	172	177	182	187	192	198	207	223/1986	11
16	172/1982	171	182	189	196	202	208	215	222	233	235/1981	10

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/30/1987	5/30	6/ 5	6/10	6/14	6/17	6/21	6/25	6/30	7/ 6	7/ 7/1982	12
32	5/ 7/1987	5/15	5/23	5/29	6/ 3	6/ 8	6/13	6/18	6/24	7/ 2	7/ 6/1980	12
28	4/23/1987	5/ 2	5/ 8	5/12	5/16	5/19	5/22	5/26	5/30	6/ 5	6/ 9/1982	11
24	4/ 5/1981	4/14	4/21	4/26	4/30	5/ 4	5/ 8	5/13	5/18	5/25	5/29/1982	11
20	3/ 4/1986	3/24	3/31	4/ 5	4/10	4/14	4/18	4/23	4/28	5/ 6	5/ 8/1984	11
16	3/11/1979	3/16	3/23	3/27	3/31	4/ 4	4/ 8	4/12	4/16	4/23	4/28/1984	10

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/20/1987	7/27	8/ 4	8/10	8/15	8/20	8/25	8/30	9/ 5	9/14	9/12/1982	12
32	8/20/1980	8/27	9/ 1	9/ 5	9/ 8	9/11	9/13	9/16	9/20	9/25	9/26/1981	12
28	9/ 9/1976	9/10	9/14	9/17	9/19	9/21	9/23	9/26	9/28	10/ 2	10/ 6/1982	11
24	9/16/1979	9/15	9/19	9/23	9/26	9/29	10/ 2	10/ 5	10/ 8	10/13	10/20/1981	11
20	9/29/1985	10/ 2	10/ 6	10/ 8	10/11	10/13	10/15	10/18	10/21	10/25	10/31/1981	11
16	9/30/1985	9/30	10/ 8	10/14	10/19	10/23	10/27	11/ 1	11/ 7	11/15	11/26/1981	10

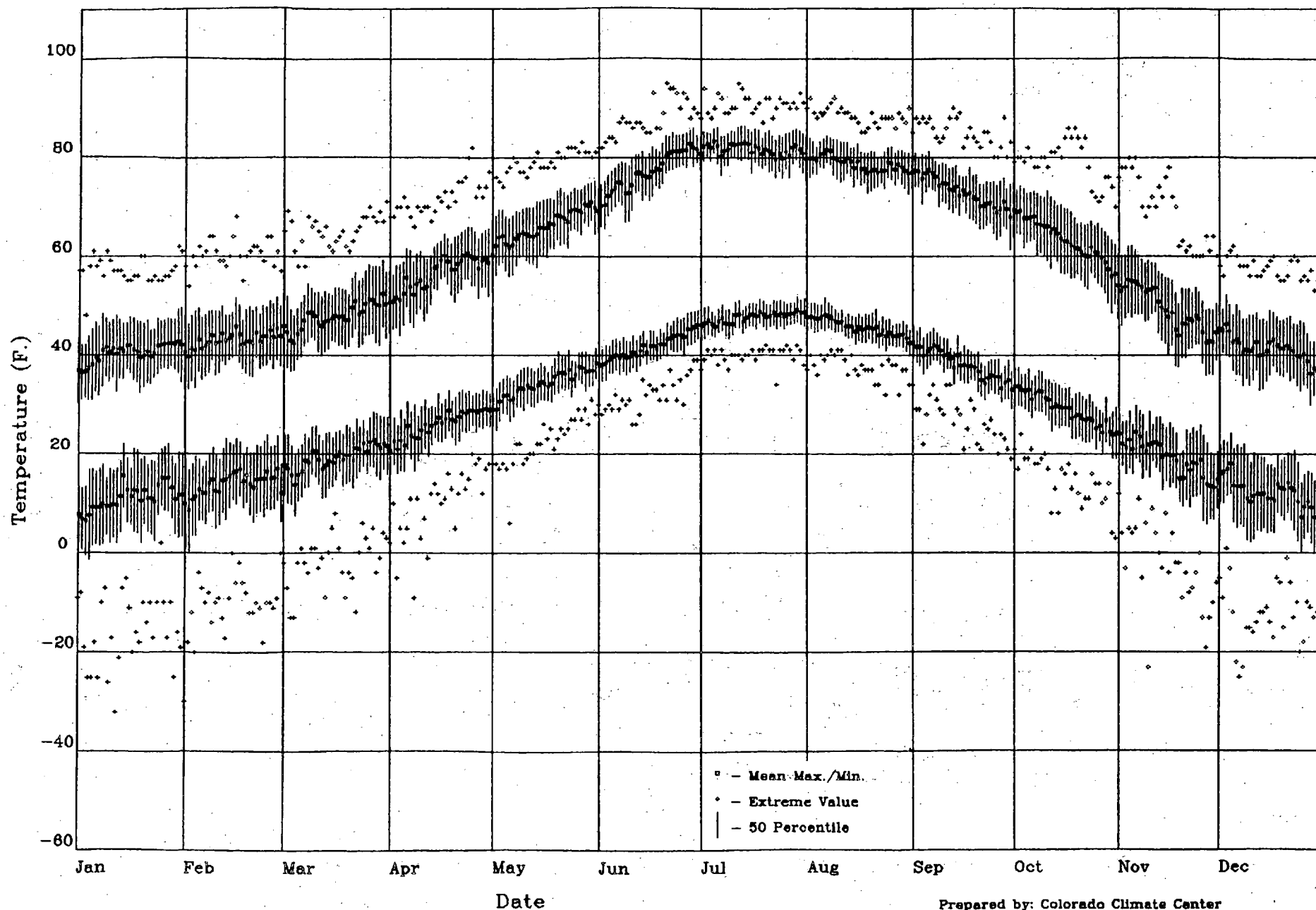
BUENA VISTA

Record: 38 years ending in 1987

Lat 38 51

Long 106 8

Elev 7930



Prepared by: Colorado Climate Center

Latitude: 38 51 Longitude: 106 8 Elevation: 7930 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	40.6	42.9	47.9	56.4	66.0	76.9	81.7	78.6	73.0	63.2	48.9	41.2	59.8
Std. Dev.	3.6	3.7	4.1	3.8	3.3	3.1	1.9	2.7	3.1	5.0	4.2	3.9	
Mean Min.	11.4	13.9	19.3	26.0	34.3	41.8	47.7	45.9	38.1	29.0	19.1	12.0	28.2
Std. Dev.	4.4	4.1	3.3	2.7	1.9	2.1	1.6	1.9	2.2	2.3	3.8	4.8	
Num. Yrs.	35	36	35	35	36	35	35	35	36	36	35	37	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	719	583	492	258	69	4	0	0	14	145	460	691	3435
55	871	720	643	398	161	20	0	1	49	267	605	841	4575
57	931	774	704	456	211	34	0	4	77	324	664	900	5081
60	1022	857	795	544	295	68	4	17	137	413	751	990	5892
65	1173	994	947	690	446	167	42	92	269	563	897	1139	7419

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	1	21	152	303	230	73	5	0	0	784
57	0	0	0	0	10	108	242	172	43	2	0	0	577
60	0	0	0	0	2	55	154	93	15	0	0	0	320
65	0	0	0	0	0	9	40	15	1	0	0	0	66
70	0	0	0	0	0	1	2	1	0	0	0	0	4

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	3	6	27	109	324	566	761	688	462	218	31	4	3200
45	0	1	6	38	188	422	608	535	319	107	5	1	2229
50	0	0	1	7	82	280	455	382	183	34	0	0	1425
55	0	0	0	1	21	152	303	230	73	5	0	0	784
60	0	0	0	0	2	55	154	93	15	0	0	0	320

Corn GDD 8 13 43 116 248 388 487 442 336 209 50 10 2350

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	67/1952	70	77	81	85	89	92	96	101	107	115/1958	20
32	86/1985	92	97	101	104	107	110	113	116	121	130/1958	18
28	99/1983	114	121	127	131	135	139	144	149	156	165/1987	16
24	136/1978	141	149	154	159	163	168	172	178	185	196/1981	15
20	161/1982	164	171	175	179	183	186	190	195	201	207/1981	14
16	172/1978	183	192	197	203	207	212	217	223	231	244/1981	13

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/23/1958	5/31	6/ 5	6/ 8	6/10	6/13	6/15	6/18	6/21	6/26	6/27/1985	20
32	5/ 9/1958	5/20	5/26	5/29	6/ 2	6/ 5	6/ 8	6/11	6/15	6/20	6/26/1985	18
28	4/23/1987	4/28	5/ 3	5/ 7	5/11	5/14	5/17	5/20	5/24	5/29	6/13/1983	16
24	4/ 5/1981	4/10	4/16	4/19	4/22	4/25	4/28	5/ 1	5/ 5	5/10	5/11/1979	15
20	3/31/1981	4/ 2	4/ 8	4/13	4/16	4/20	4/24	4/28	5/ 2	5/ 8	5/10/1979	14
16	3/ 9/1981	3/16	3/23	3/27	4/ 1	4/ 4	4/ 8	4/13	4/17	4/24	5/ 6/1978	13

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	8/16/1968	8/29	9/ 2	9/ 5	9/ 7	9/10	9/12	9/14	9/17	9/21	9/26/1963	20
32	9/ 2/1952	9/ 8	9/12	9/15	9/17	9/19	9/22	9/24	9/27	10/ 1	10/ 6/1981	18
28	9/10/1951	9/14	9/18	9/21	9/24	9/26	9/28	10/ 1	10/ 4	10/ 8	10/ 9/1981	16
24	9/16/1951	9/21	9/26	9/29	10/ 3	10/ 5	10/ 8	10/12	10/15	10/20	10/28/1962	15
20	9/30/1985	10/ 8	10/12	10/15	10/17	10/20	10/22	10/25	10/28	11/ 1	11/ 8/1983	14
16	10/12/1986	10/14	10/19	10/23	10/26	10/29	11/ 1	11/ 4	11/ 7	11/12	11/13/1980	13

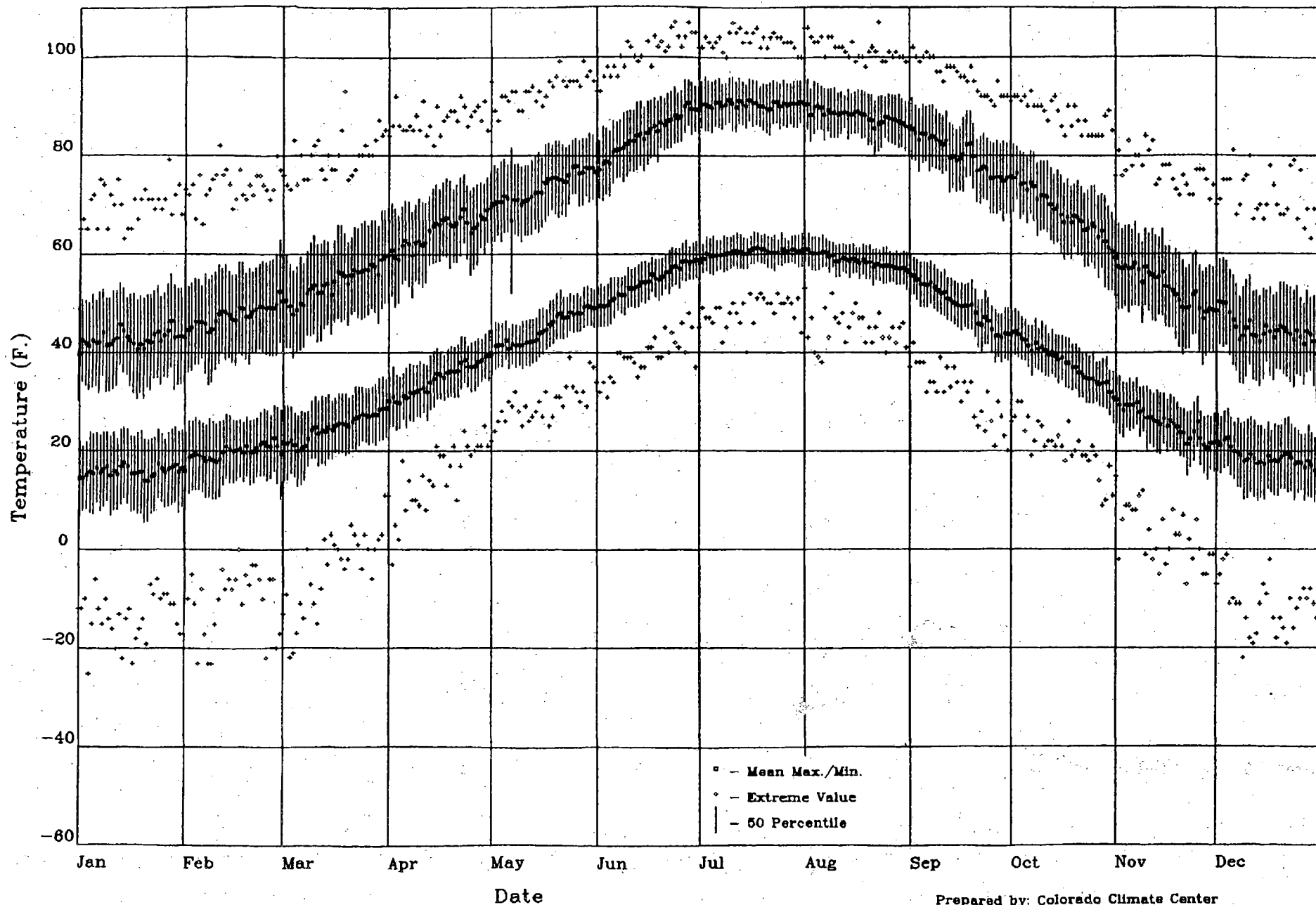
BURLINGTON

Record: 70 years ending in 1987

Lat 39 19

Long 102 16

Elev 4170



Latitude: 39 19 Longitude: 102 16 Elevation: 4170 Period of Record: 70 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	42.7	47.3	54.0	64.4	73.4	84.2	90.4	88.1	80.2	68.8	53.5	44.7	66.0
Std. Dev.	6.4	6.1	6.0	4.6	3.8	4.3	3.0	3.3	3.7	4.9	5.0	5.3	
Mean Min.	15.7	19.7	24.8	34.6	44.6	54.3	60.3	58.6	49.5	38.0	25.7	18.7	37.1
Std. Dev.	5.2	4.8	3.8	3.1	2.6	2.5	2.4	2.0	2.9	2.5	2.9	3.8	
Num. Yrs.	70	70	65	68	66	65	66	68	67	66	66	68	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	630	460	340	116	19	1	0	0	8	66	316	552	2506
55	782	597	478	204	52	4	0	0	19	129	451	702	3417
57	844	653	536	248	73	6	0	0	27	164	508	762	3822
60	936	738	627	320	114	14	0	1	45	226	596	854	4469
65	1089	879	780	458	210	41	2	7	94	354	743	1006	5662

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	5	46	184	434	630	567	319	88	3	0	2278
57	0	0	3	31	143	378	569	507	268	62	1	0	1960
60	0	0	1	14	91	296	477	416	197	32	0	0	1524
65	0	0	0	2	34	175	326	269	98	7	0	0	911
70	0	0	0	0	7	80	184	136	35	1	0	0	443

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	25	49	127	317	595	877	1089	1024	746	430	114	36	5428
45	6	17	60	200	445	728	936	872	599	295	50	11	4220
50	1	4	22	108	304	580	783	720	456	178	16	2	3173
55	0	0	5	46	184	434	630	567	319	88	3	0	2278
60	0	0	1	14	91	296	477	416	197	32	0	0	1524

Corn GDD 37 60 123 230 371 544 689 651 471 297 108 44 3625

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	94/1947	110	117	123	127	132	136	141	146	154	167/1987	37
32	106/1951	125	133	139	144	148	153	158	164	172	194/1974	36
28	135/1945	153	161	166	171	175	179	184	189	197	211/1963	32
24	160/1932	169	178	183	188	193	198	203	208	217	231/1960	27
20	180/1952	186	193	198	202	206	210	215	220	227	237/1960	25
16	193/1931	205	212	217	222	226	230	235	240	247	255/1984	24

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	4/21/1939	5/ 3	5/ 8	5/11	5/14	5/17	5/20	5/23	5/27	6/ 1	6/13/1947	37
32	4/20/1957	4/24	4/28	5/ 2	5/ 4	5/ 7	5/10	5/12	5/16	5/20	6/ 2/1951	36
28	4/ 4/1963	4/10	4/15	4/18	4/21	4/24	4/27	4/29	5/ 3	5/ 7	5/16/1945	32
24	3/23/1960	4/ 3	4/ 8	4/11	4/13	4/16	4/18	4/21	4/24	4/28	4/30/1970	27
20	3/17/1960	3/28	4/ 1	4/ 4	4/ 7	4/10	4/12	4/15	4/18	4/23	4/26/1924	25
16	3/ 4/1985	3/14	3/20	3/25	3/28	4/ 1	4/ 4	4/ 8	4/12	4/18	4/21/1927	24

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/ 6/1956	9/12	9/16	9/20	9/23	9/26	9/29	10/ 2	10/ 5	10/10	10/28/1963	37
32	9/ 6/1956	9/16	9/21	9/26	9/29	10/ 2	10/ 6	10/ 9	10/13	10/19	11/ 2/1974	36
28	9/20/1983	9/30	10/ 6	10/ 9	10/13	10/16	10/19	10/22	10/26	11/ 1	11/ 5/1937	32
24	9/23/1983	10/ 7	10/14	10/18	10/22	10/26	10/29	11/ 2	11/ 7	11/13	11/19/1953	27
20	9/30/1985	10/17	10/22	10/26	10/30	11/ 2	11/ 5	11/ 9	11/13	11/18	11/22/1970	25
16	10/27/1957	10/31	11/ 5	11/ 8	11/10	11/13	11/15	11/18	11/21	11/25	11/30/1927	24

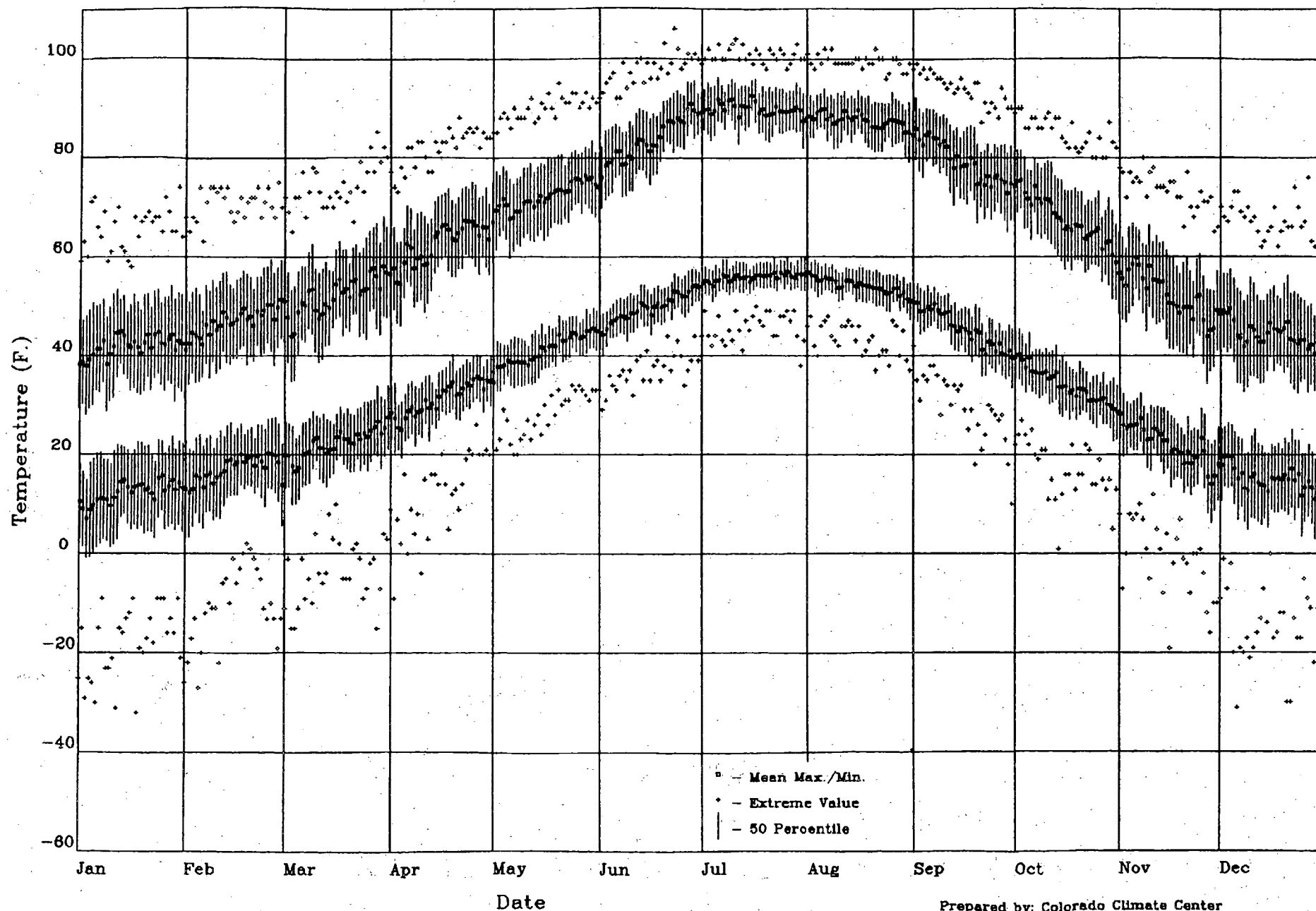
BYERS 5 ENE

Record: 40 years ending in 1987

Lat 39 45

Long 104 8

Elev 5100



Latitude: 39 45 Longitude: 104 8 Elevation: 5100 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	41.9	46.7	52.1	62.4	72.1	83.4	89.9	87.6	79.3	67.7	52.3	44.4	65.0
Std. Dev.	6.5	5.1	4.8	4.5	3.6	4.2	2.3	2.2	3.8	4.6	4.9	5.6	
Mean Min.	12.2	17.2	22.3	31.2	41.2	49.7	55.8	54.2	45.4	34.1	22.1	15.1	33.4
Std. Dev.	5.6	4.3	3.1	3.0	2.4	2.5	1.8	2.1	2.9	3.2	3.7	4.7	
Num. Yrs.	38	39	38	39	38	38	39	40	40	40	40	40	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	697	499	394	155	26	1	0	0	12	91	383	617	2874
55	849	636	539	260	68	6	0	0	28	171	525	770	3853
57	910	691	599	309	95	11	0	0	39	213	585	832	4285
60	1002	775	690	389	145	23	1	2	63	286	674	924	4974
65	1155	914	843	532	259	62	5	9	130	426	824	1078	6236

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	2	24	127	355	557	499	251	53	1	0	1870
57	0	0	1	15	92	301	496	438	203	34	0	0	1580
60	0	0	0	5	51	224	404	346	139	15	0	0	1185
65	0	0	0	0	13	115	254	199	58	2	0	0	641
70	0	0	0	0	2	41	118	79	14	0	0	0	254

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	16	34	87	248	517	792	1019	962	668	361	87	25	4815
45	4	11	36	142	371	644	865	808	523	232	34	6	3676
50	1	2	10	67	236	498	711	653	383	127	8	1	2698
55	0	0	2	24	127	355	557	499	251	53	1	0	1870
60	0	0	0	5	51	224	404	346	139	15	0	0	1185

Corn GDD	30	48	99	202	340	488	627	599	431	281	99	41	3285
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	76/1973	90	98	104	109	114	119	124	130	138	157/1963	27	
32	101/1975	116	123	129	134	138	143	147	153	160	163/1949	27	
28	131/1962	132	140	145	150	154	158	163	168	176	191/1963	27	
24	132/1983	149	158	165	170	175	181	186	193	202	212/1963	27	
20	166/1971	173	182	188	194	199	204	209	215	224	234/1986	26	
16	178/1966	193	202	208	213	218	223	228	234	243	260/1963	26	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/ 1/1958	5/12	5/18	5/22	5/26	5/29	6/ 2	6/ 5	6/10	6/16	6/26/1975	27	
32	4/23/1987	4/28	5/ 3	5/ 6	5/ 9	5/11	5/14	5/17	5/20	5/25	6/11/1975	27	
28	4/15/1949	4/20	4/24	4/27	4/30	5/ 3	5/ 5	5/ 8	5/11	5/15	5/19/1968	27	
24	4/ 3/1963	4/ 5	4/11	4/15	4/19	4/23	4/26	4/30	5/ 4	5/10	5/15/1970	27	
20	3/19/1958	3/24	3/30	4/ 3	4/ 7	4/10	4/13	4/17	4/21	4/27	5/ 8/1975	26	
16	3/ 8/1967	3/15	3/20	3/24	3/27	3/30	4/ 2	4/ 5	4/ 9	4/14	4/22/1982	26	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 3/1973	9/ 6	9/11	9/15	9/18	9/20	9/23	9/26	9/30	10/ 5	10/27/1963	27	
32	9/ 3/1973	9/11	9/17	9/20	9/24	9/27	9/30	10/ 3	10/ 6	10/12	10/27/1963	27	
28	9/ 9/1962	9/19	9/24	9/28	10/ 1	10/ 4	10/ 7	10/10	10/14	10/19	11/ 1/1963	27	
24	9/19/1971	9/29	10/ 4	10/ 8	10/12	10/15	10/18	10/22	10/26	10/31	11/ 7/1962	27	
20	9/19/1971	10/ 8	10/14	10/18	10/22	10/26	10/29	11/ 2	11/ 6	11/12	11/17/1963	26	
16	9/30/1985	10/14	10/21	10/26	10/30	11/ 3	11/ 7	11/11	11/16	11/23	12/ 4/1963	26	

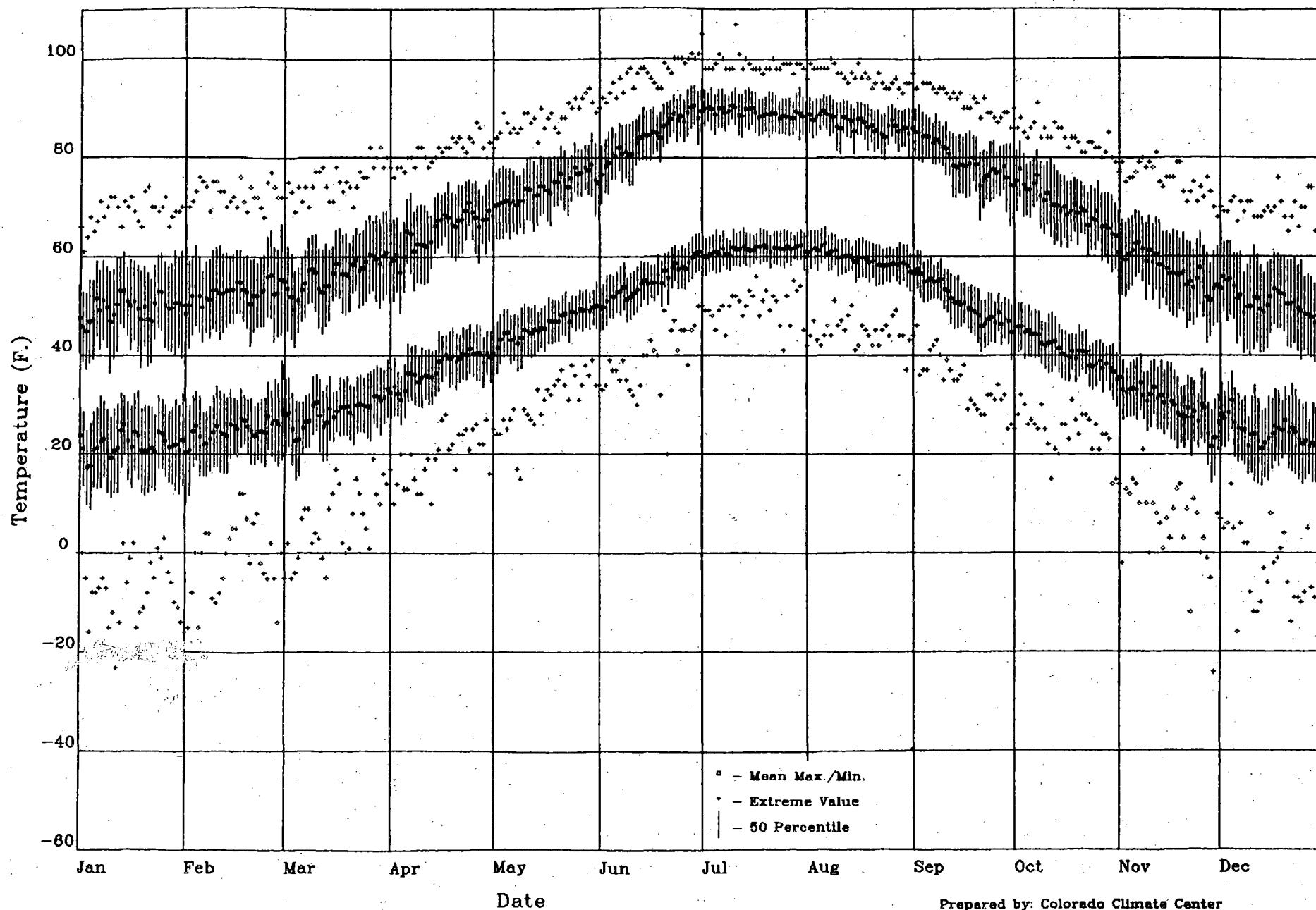
CANON CITY

Record: 39 years ending in 1987

Lat 38 28

Long 105 16

Elev 5340



Temperature Summary for CANON CITY

51294

Prepared by: Colorado Climate Center

Latitude: 38 26 Longitude: 105 16 Elevation: 5340 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	49.8	52.8	56.4	65.1	73.8	84.0	89.1	86.9	79.8	70.3	57.8	50.9	68.1
Std. Dev.	4.9	4.9	4.2	4.0	3.3	3.2	2.0	2.2	3.1	4.2	4.3	5.0	
Mean Min.	22.0	24.8	28.6	37.5	46.0	54.9	61.4	59.6	50.8	41.1	30.2	24.3	40.1
Std. Dev.	4.4	4.0	3.7	3.0	2.9	3.2	2.7	3.1	3.3	2.9	4.0	4.3	
Num. Yrs.	35	36	36	36	39	38	39	39	37	37	36	37	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	433	322	256	84	14	1	0	0	5	40	212	384	1750
55	582	452	387	160	38	4	0	0	14	87	327	528	2579
57	643	507	444	200	55	7	0	0	20	115	380	588	2960
60	735	590	533	271	90	13	0	1	34	168	465	680	3582
65	889	731	686	406	180	36	2	6	80	288	613	833	4750

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	1	3	9	57	196	443	634	572	330	116	10	2	2372
57	0	1	5	37	152	386	572	510	276	82	4	1	2026
60	0	0	1	18	94	302	480	418	200	43	1	0	1558
65	0	0	0	3	30	176	326	268	97	9	0	0	909
70	0	0	0	0	4	78	180	132	31	1	0	0	427

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	80	101	169	363	621	888	1098	1035	766	495	197	96	5910
45	29	43	84	236	471	739	944	881	617	352	106	40	4540
50	6	13	33	130	326	590	789	726	471	222	43	11	3359
55	1	3	9	57	196	443	634	572	330	116	10	2	2372
60	0	0	1	18	94	302	480	418	200	43	1	0	1558

Corn GDD	74	89	135	241	383	563	716	679	488	323	147	82	3921
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	91/1975	114	121	126	131	135	139	143	149	156	160/1959	30	
32	109/1969	129	139	146	152	157	163	169	176	186	190/1956	29	
28	125/1975	151	162	171	178	184	191	198	206	218	227/1965	29	
24	125/1975	179	190	198	204	211	217	224	232	243	247/1974	27	
20	142/1975	192	203	211	217	224	230	237	245	256	264/1965	25	
16	187/1967	210	221	229	236	243	249	256	264	275	288/1954	21	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/21/1977	4/25	5/ 2	5/ 7	5/11	5/15	5/19	5/24	5/29	6/ 5	6/21/1975	30	
32	4/ 5/1977	4/10	4/18	4/24	4/29	5/ 4	5/ 8	5/13	5/19	5/27	6/21/1975	29	
28	3/30/1965	3/29	4/ 6	4/12	4/17	4/22	4/27	5/ 2	5/ 7	5/16	6/21/1975	29	
24	3/17/1960	3/15	3/24	3/30	4/ 4	4/ 9	4/15	4/20	4/26	5/ 5	6/21/1975	27	
20	3/ 7/1971	3/ 8	3/17	3/23	3/29	4/ 3	4/ 8	4/14	4/20	4/29	6/21/1975	25	
16	2/10/1972	3/ 2	3/10	3/15	3/19	3/23	3/27	3/31	4/ 6	4/13	4/30/1967	21	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 3/1961	9/14	9/18	9/22	9/25	9/27	9/30	10/ 3	10/ 6	10/11	10/15/1960	30	
32	9/17/1965	9/21	9/27	10/ 1	10/ 5	10/ 8	10/11	10/15	10/19	10/25	11/ 5/1962	29	
28	9/21/1978	10/ 5	10/11	10/16	10/20	10/23	10/27	10/31	11/ 4	11/11	11/17/1962	29	
24	10/11/1977	10/20	10/26	10/30	11/ 3	11/ 6	11/10	11/13	11/17	11/23	11/30/1949	27	
20	10/12/1969	10/27	11/ 1	11/ 6	11/ 9	11/13	11/16	11/20	11/24	11/30	12/15/1965	25	
16	10/12/1969	10/27	11/ 4	11/10	11/16	11/21	11/26	12/ 1	12/ 7	12/16	12/28/1954	21	

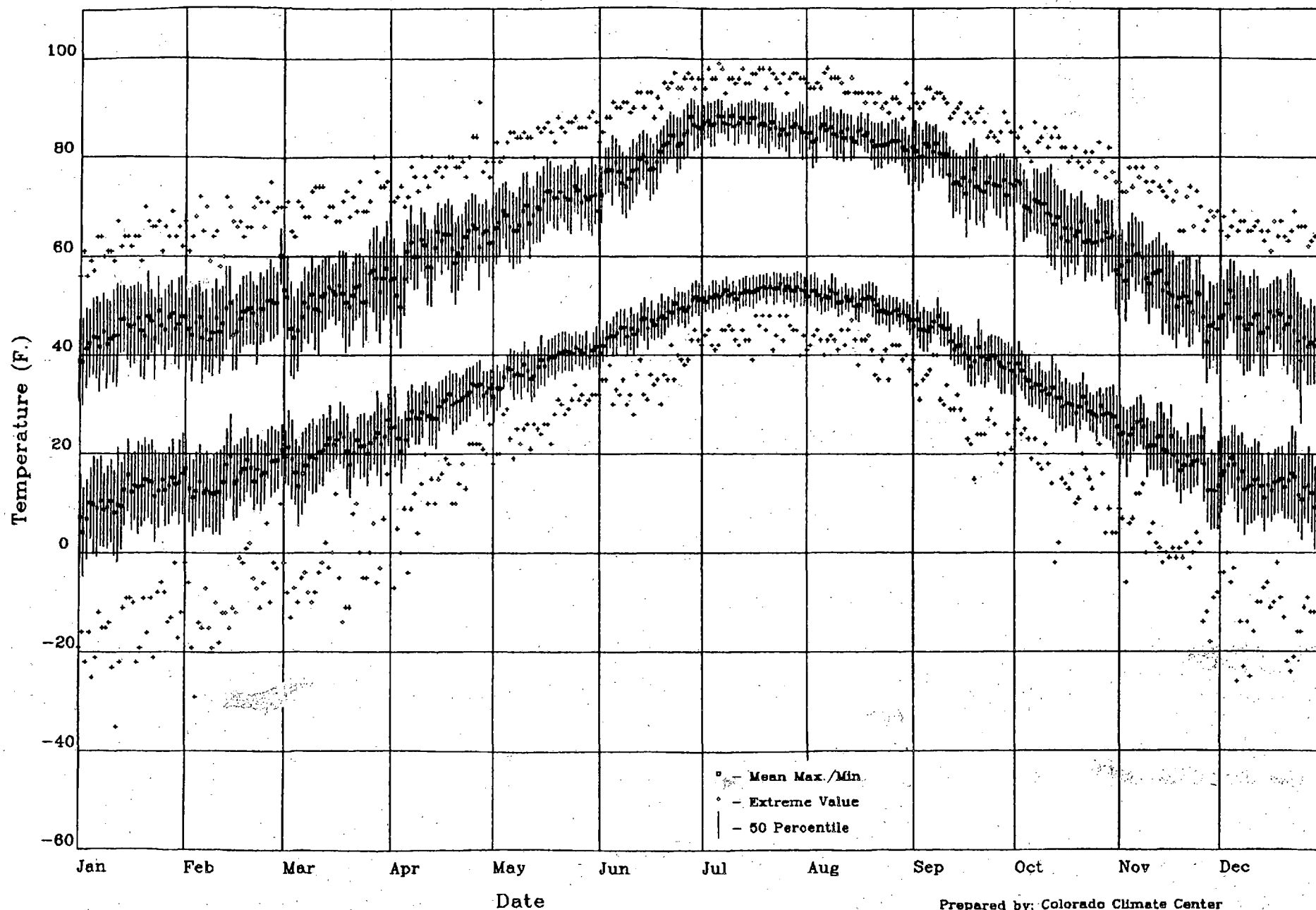
CASTLE ROCK

Record: 26 years ending in 1987

Lat 39 22

Long 104 52

Elev 6200



Prepared by: Colorado Climate Center

Temperature Summary for CASTLE ROCK

51401

Prepared by: Colorado Climate Center

Latitude: 39 22 Longitude: 104 52 Elevation: 6200 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	44.8	47.5	51.5	60.7	69.8	79.8	86.6	83.8	76.9	66.9	53.4	45.8	64.0
Std. Dev.	4.8	3.7	5.0	4.1	3.6	3.4	2.3	2.4	3.7	4.9	4.0	4.3	
Mean Min.	11.5	15.4	20.7	29.1	38.2	46.7	52.8	50.5	41.9	31.2	20.5	13.6	31.0
Std. Dev.	5.3	4.3	4.0	3.3	2.1	2.3	1.8	1.9	2.9	2.8	3.5	4.0	
Num. Yrs.	23	23	23	23	25	25	24	25	23	24	26	24	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	660	512	424	186	44	3	0	0	18	111	385	617	2961
55	812	650	572	303	99	13	0	1	39	204	528	770	3990
57	873	705	633	356	133	21	1	1	54	252	586	832	4446
60	965	789	724	439	197	40	1	4	87	335	674	924	5179
65	1117	928	877	584	330	101	8	24	178	485	822	1077	6533

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	1	13	77	264	457	379	175	28	1	0	1395
57	0	0	1	7	49	212	396	319	131	14	1	0	1130
60	0	0	0	2	21	143	305	230	75	4	0	0	782
65	0	0	0	0	3	55	159	98	18	0	0	0	334
70	0	0	0	0	0	11	45	20	3	0	0	0	79

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	14	25	74	201	439	695	915	836	584	315	81	21	4200
45	2	7	28	106	298	548	762	684	440	189	30	5	3097
50	0	1	7	43	174	402	609	531	303	90	7	1	2167
55	0	0	1	13	77	264	457	379	175	28	1	0	1395
60	0	0	0	2	21	143	305	230	75	4	0	0	782

Corn GDD	35	45	89	176	306	441	571	527	399	272	104	44	3010
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Growing Season

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	59/1964	76	84	91	96	100	105	110	116	125	137/1987	19
32	76/1973	93	102	109	115	121	126	132	139	149	172/1987	19
28	103/1975	119	128	135	141	146	151	157	164	173	181/1963	19
24	125/1983	136	145	151	157	162	167	173	179	188	192/1974	19
20	150/1984	159	168	175	180	186	191	197	203	212	230/1965	16
16	166/1971	179	188	195	201	206	211	217	224	233	247/1965	16

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/ 4/1987	5/19	5/25	5/29	6/ 1	6/ 5	6/ 8	6/12	6/16	6/21	6/23/1964	19
32	4/21/1987	5/ 7	5/13	5/18	5/21	5/25	5/29	6/ 1	6/ 6	6/12	6/19/1973	19
28	4/17/1986	4/24	4/30	5/ 4	5/ 7	5/10	5/13	5/17	5/21	5/26	6/11/1975	19
24	4/15/1986	4/19	4/23	4/26	4/28	4/30	5/ 3	5/ 5	5/ 8	5/12	5/18/1983	19
20	3/26/1969	4/ 3	4/ 8	4/11	4/14	4/17	4/20	4/23	4/26	5/ 1	5/ 3/1967	16
16	3/ 8/1967	3/18	3/24	3/28	3/31	4/ 4	4/ 7	4/10	4/15	4/20	4/23/1968	16

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	8/21/1964	8/30	9/ 4	9/ 7	9/10	9/13	9/16	9/19	9/23	9/27	9/30/1982	19
32	9/ 3/1973	9/ 9	9/14	9/17	9/20	9/23	9/26	9/28	10/ 2	10/ 6	10/14/1963	19
28	9/16/1965	9/17	9/23	9/27	9/30	10/ 3	10/ 7	10/10	10/14	10/20	10/27/1963	19
24	9/17/1965	9/20	9/27	10/ 1	10/ 6	10/ 9	10/13	10/17	10/22	10/29	11/ 3/1962	19
20	9/19/1971	9/28	10/ 5	10/11	10/15	10/20	10/24	10/29	11/ 3	11/11	11/21/1965	16
16	9/19/1971	10/ 4	10/12	10/18	10/22	10/27	10/31	11/ 5	11/10	11/18	11/28/1965	16

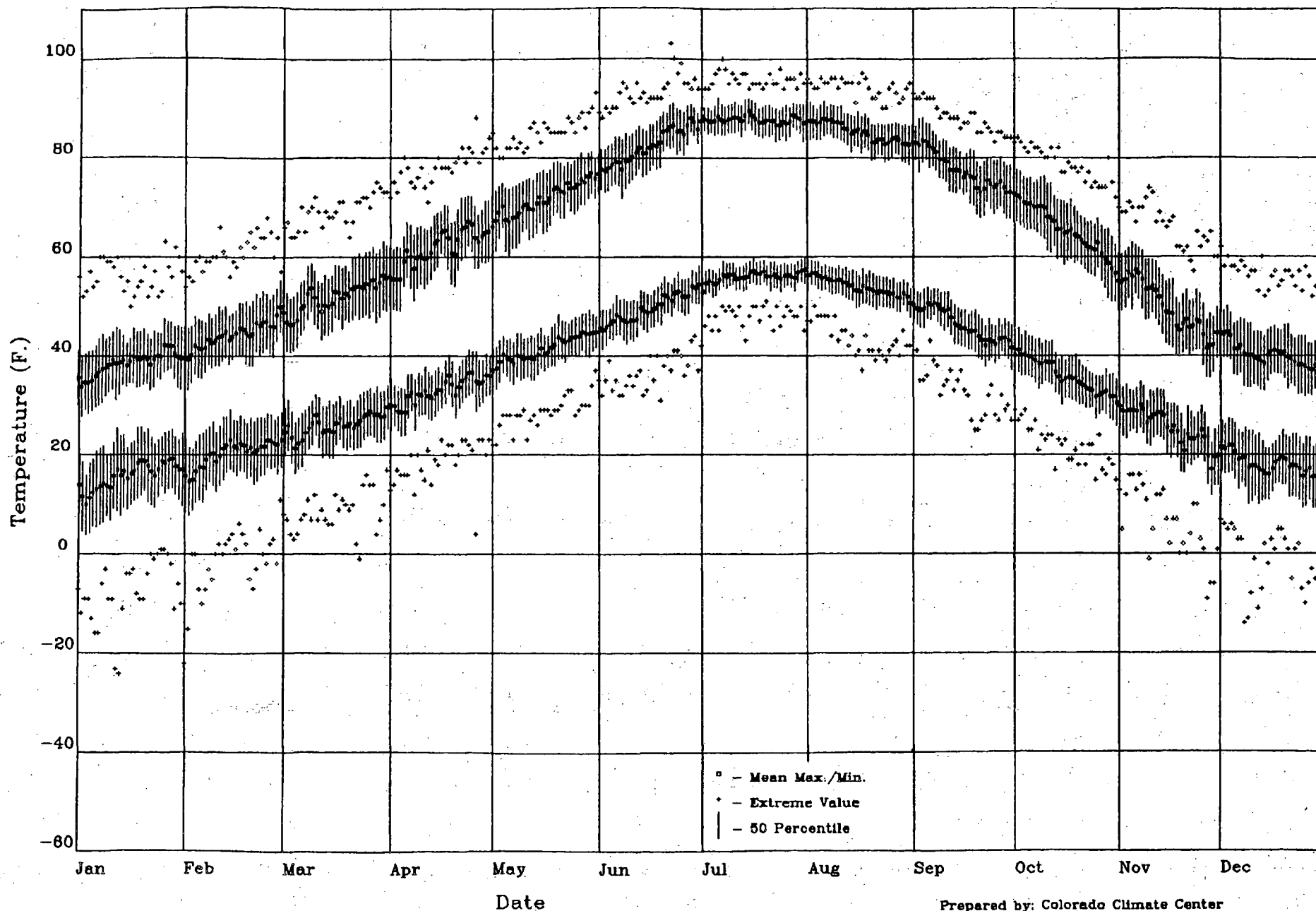
CEDAREGE

Record: 40 years ending in 1987

Lat 38 54

Long 107 56

Elev 8200



Prepared by: Colorado Climate Center

Latitude: 38 54 Longitude: 107 56 Elevation: 6200 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	38.5	44.0	51.8	61.8	71.6	82.2	87.7	85.2	77.6	65.6	49.8	40.1	63.0
Std. Dev.	4.3	4.0	3.7	3.6	3.3	3.2	1.7	2.2	3.4	4.3	4.0	3.9	
Mean Min.	15.8	20.2	26.2	33.0	41.4	49.6	56.0	53.9	46.2	35.9	25.4	18.0	35.1
Std. Dev.	4.7	4.0	2.8	2.2	2.2	2.3	1.4	2.2	2.2	2.4	2.9	3.6	
Num. Yrs.	39	39	38	39	39	39	38	40	39	40	40	40	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	700	499	340	128	24	0	0	0	5	77	368	642	2783
55	855	640	490	235	65	4	0	0	15	162	514	797	3777
57	917	696	551	287	90	8	0	0	24	207	574	859	4214
60	1010	781	644	372	142	19	0	1	45	285	664	952	4915
65	1165	922	799	520	262	60	1	9	118	434	814	1107	6212

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	15	119	338	529	458	230	38	0	0	1726
57	0	0	0	7	82	282	467	396	178	21	0	0	1433
60	0	0	0	2	41	202	374	304	110	6	0	0	1038
65	0	0	0	0	6	94	220	157	33	0	0	0	510
70	0	0	0	0	0	25	80	46	4	0	0	0	156

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	4	15	79	249	519	784	994	923	664	351	67	6	4655
45	0	2	26	138	369	634	839	768	515	218	20	1	3529
50	0	0	5	58	232	484	684	613	369	109	4	0	2558
55	0	0	0	15	119	338	529	458	230	38	0	0	1726
60	0	0	0	2	41	202	374	304	110	6	0	0	1038

Corn GDD	5	17	72	185	338	497	635	589	424	248	60	6	3075
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	84/1962	97	104	109	113	117	121	126	131	138	154/1963	36	
32	115/1976	118	126	132	137	142	146	151	157	165	185/1963	36	
28	127/1983	148	155	160	165	169	173	177	182	190	198/1974	36	
24	161/1970	171	179	184	189	193	197	202	207	215	222/1965	36	
20	191/1968	197	204	209	213	217	221	226	231	238	251/1958	35	
16	205/1951	217	224	230	234	238	242	247	252	259	265/1984	32	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/ 8/1969	5/14	5/20	5/24	5/27	5/30	6/ 2	6/ 6	6/10	6/15	6/26/1975	36	
32	4/22/1987	4/30	5/ 5	5/ 9	5/12	5/16	5/19	5/22	5/26	5/31	6/14/1976	36	
28	4/ 1/1954	4/14	4/19	4/22	4/25	4/28	5/ 1	5/ 4	5/ 8	5/13	5/25/1980	36	
24	3/26/1969	4/ 3	4/ 8	4/12	4/15	4/18	4/21	4/24	4/28	5/ 3	5/11/1953	36	
20	3/ 9/1949	3/20	3/25	3/29	4/ 1	4/ 4	4/ 7	4/10	4/14	4/19	4/29/1984	35	
16	2/11/1972	3/ 6	3/12	3/16	3/20	3/23	3/27	3/31	4/ 4	4/10	4/26/1962	32	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 3/1961	9/11	9/16	9/19	9/22	9/25	9/27	9/30	10/ 4	10/ 8	10/15/1979	36	
32	9/ 9/1962	9/19	9/24	9/28	10/ 1	10/ 4	10/ 7	10/10	10/14	10/20	11/ 1/1963	36	
28	9/18/1971	9/28	10/ 4	10/ 8	10/11	10/14	10/17	10/21	10/25	10/30	11/ 7/1962	36	
24	10/ 8/1970	10/15	10/20	10/23	10/25	10/28	10/30	11/ 2	11/ 5	11/10	11/22/1965	36	
20	10/17/1968	10/25	10/29	11/ 2	11/ 5	11/ 7	11/10	11/13	11/16	11/21	11/28/1954	35	
16	10/25/1975	10/30	11/ 5	11/ 9	11/13	11/17	11/20	11/24	11/28	12/ 4	12/25/1962	32	

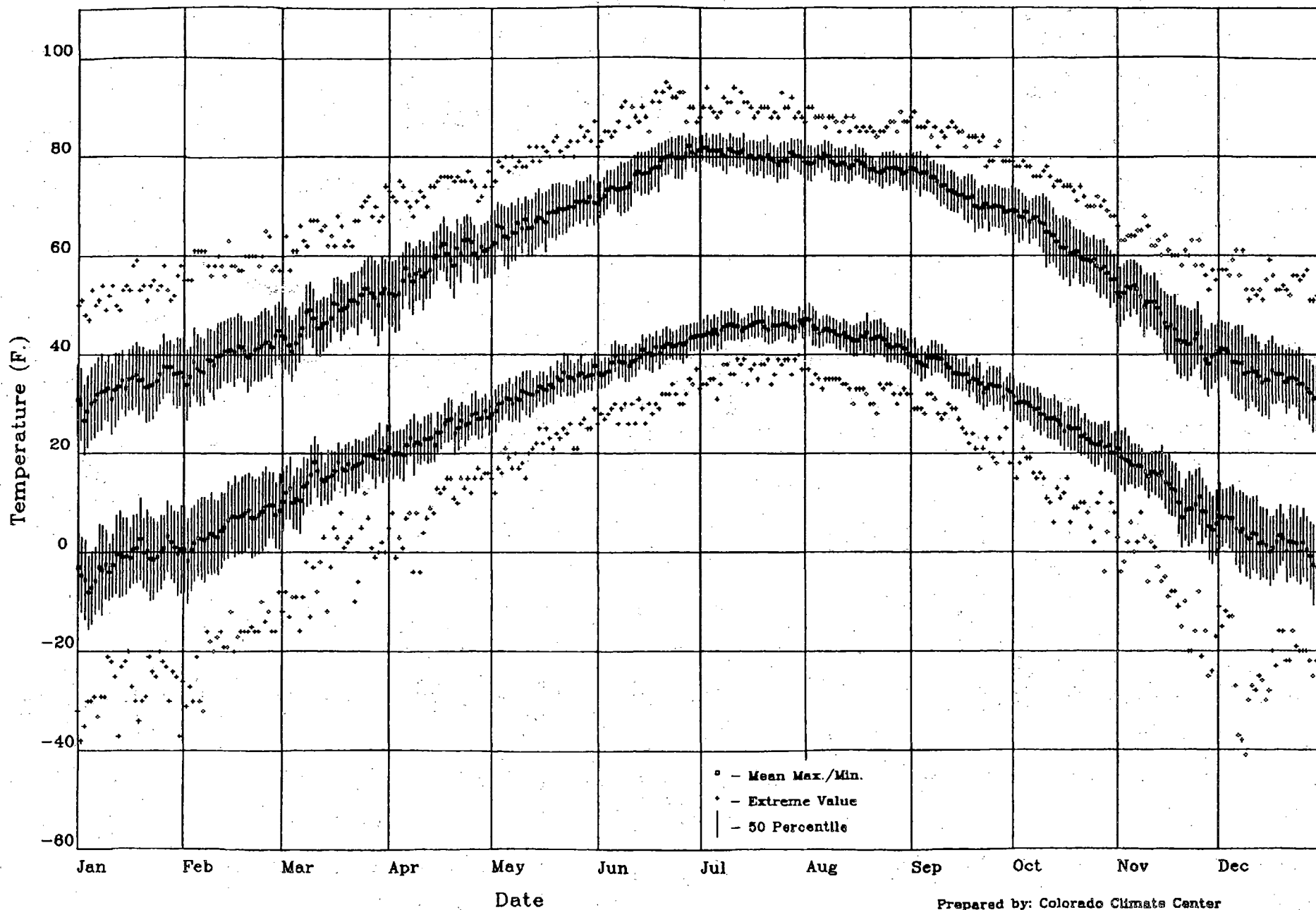
CENTER 4 SSW

Record: 40 years ending in 1987

Lat 37 44

Long 106 8

Elev 7680



Latitude: 37 44 Longitude: 106 8 Elevation: 7680 Period of Record: 41 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	33.6	39.8	48.3	58.4	67.5	76.8	80.4	78.3	72.7	62.4	46.7	35.9	58.4
Std. Dev.	6.3	6.1	4.3	3.4	3.5	3.2	2.7	2.3	3.2	4.4	4.7	6.0	
Mean Min.	-1.4	5.4	16.1	24.2	33.1	40.1	45.5	43.6	36.0	25.6	13.0	2.4	23.6
Std. Dev.	6.7	7.2	2.9	2.4	2.2	2.3	2.5	2.9	2.1	2.9	3.6	5.6	
Num. Yrs.	39	38	39	39	39	39	39	40	40	40	40	40	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1041	765	541	259	67	3	0	0	14	191	594	946	4422
55	1196	906	695	401	158	22	0	2	60	328	744	1101	5613
57	1257	962	757	460	209	40	1	7	96	388	803	1163	6144
60	1350	1047	849	549	293	81	9	28	167	480	893	1256	7002
65	1505	1187	1003	698	446	195	74	125	310	632	1042	1411	8627

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	22	133	254	193	49	1	0	0	651
57	0	0	0	0	10	91	193	135	25	0	0	0	455
60	0	0	0	0	2	42	108	64	7	0	0	0	223
65	0	0	0	0	0	6	18	6	0	0	0	0	30
70	0	0	0	0	0	1	1	0	0	0	0	0	2

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	1	16	108	332	560	718	654	438	167	7	0	3002
45	0	0	2	37	194	411	563	499	291	68	0	0	2066
50	0	0	0	7	85	264	408	345	153	16	0	0	1278
55	0	0	0	0	22	133	254	193	49	1	0	0	651
60	0	0	0	0	2	42	108	64	7	0	0	0	223

Corn GDD 2 11 47 142 272 400 472 439 340 199 39 3 2366

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	18/1986	39	46	51	56	60	65	69	75	82	88/1963	35
32	62/1979	69	77	82	87	92	96	101	107	115	125/1985	35
28	81/1980	100	108	113	118	123	127	132	138	145	158/1969	34
24	120/1971	127	134	140	144	148	152	157	162	169	185/1963	33
20	136/1977	149	156	160	164	168	172	176	180	187	197/1954	32
16	162/1975	168	175	180	184	188	192	196	201	207	222/1962	30

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/ 5/1961	6/ 9	6/14	6/17	6/20	6/23	6/26	6/29	7/ 2	7/ 7	7/18/1987	35
32	5/16/1956	5/23	5/29	6/ 2	6/ 6	6/ 9	6/12	6/16	6/20	6/25	7/ 6/1982	35
28	4/30/1969	5/ 8	5/14	5/17	5/21	5/24	5/27	5/30	6/ 3	6/ 8	6/17/1957	34
24	4/22/1987	4/27	5/ 1	5/ 4	5/ 6	5/ 9	5/11	5/13	5/16	5/21	5/26/1950	33
20	4/ 3/1954	4/16	4/20	4/23	4/25	4/27	4/29	5/ 2	5/ 4	5/ 8	5/12/1983	32
16	3/31/1962	4/ 5	4/ 9	4/12	4/15	4/17	4/19	4/22	4/25	4/29	5/ 4/1967	30

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/22/1961	8/ 3	8/ 9	8/14	8/18	8/22	8/26	8/30	9/ 4	9/11	9/22/1963	35
32	8/15/1978	8/25	8/30	9/ 3	9/ 6	9/ 9	9/11	9/15	9/18	9/23	9/29/1963	35
28	8/22/1980	9/ 9	9/14	9/18	9/21	9/23	9/26	9/29	10/ 2	10/ 7	10/16/1987	34
24	9/17/1958	9/20	9/25	9/28	10/ 1	10/ 4	10/ 7	10/10	10/13	10/18	11/ 1/1963	33
20	9/21/1978	9/28	10/ 3	10/ 6	10/ 9	10/12	10/15	10/18	10/22	10/27	11/ 4/1962	32
16	10/ 2/1961	10/ 8	10/13	10/16	10/19	10/22	10/24	10/27	10/30	11/ 4	11/ 9/1983	30

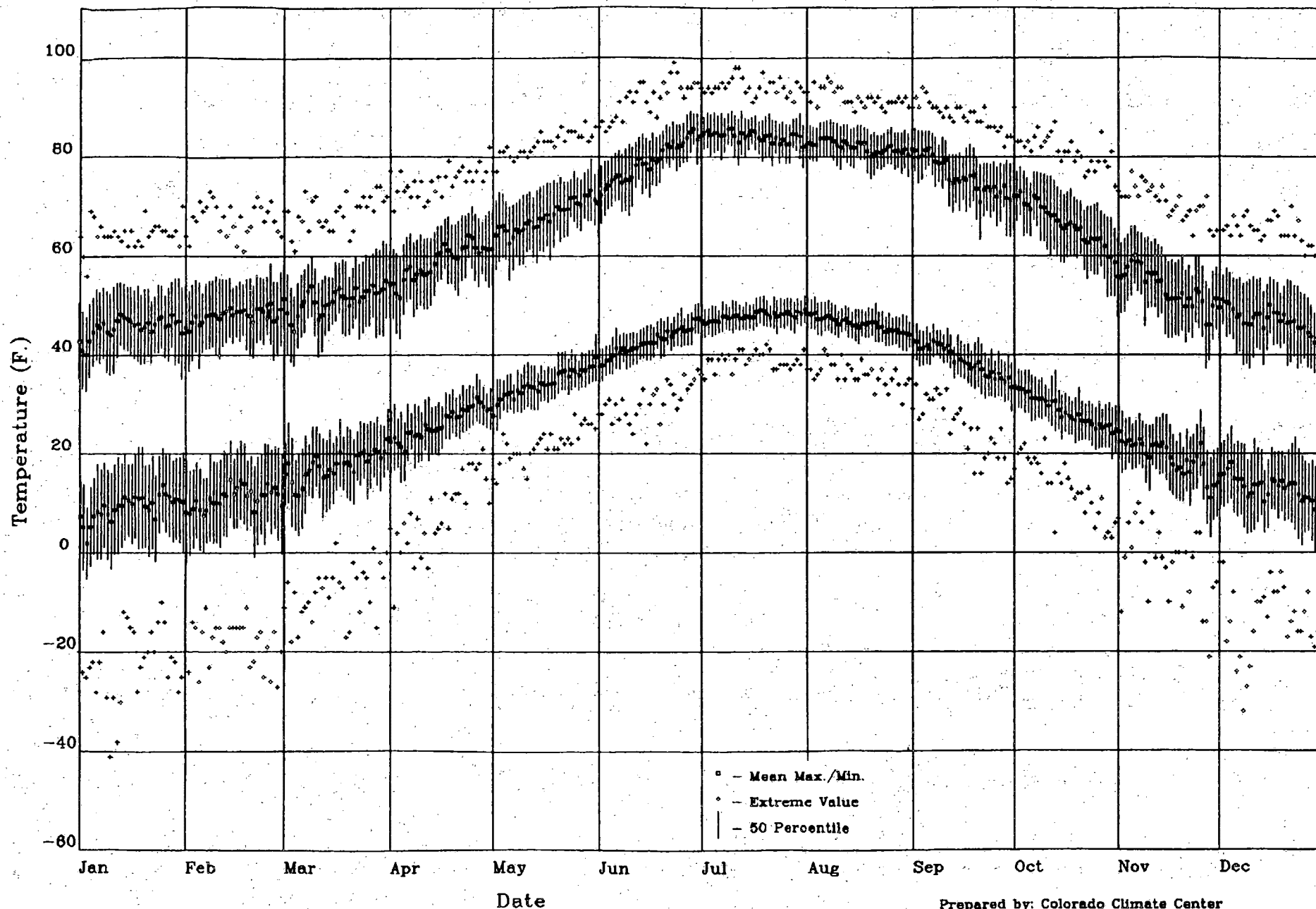
CHEESMAN

Record: 40 years ending in 1987

Lat 39 13

Long 105 17

Elev 6880



Latitude: 39 13 Longitude: 105 17 Elevation: 6880 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	45.6	48.0	51.0	58.7	67.7	78.8	84.1	82.1	76.2	66.5	53.5	47.1	63.3
Std. Dev.	4.2	3.9	4.0	3.8	3.4	3.6	2.1	1.9	3.6	4.6	4.0	4.1	
Mean Min.	9.2	11.1	17.7	26.2	34.3	42.5	47.7	46.2	38.8	28.6	19.3	13.0	27.9
Std. Dev.	6.0	4.8	4.1	3.0	2.5	2.6	2.6	2.8	3.0	3.0	3.7	4.7	
Num. Yrs.	39	39	38	39	39	39	39	40	40	40	39	40	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	692	570	476	236	66	5	0	0	16	122	403	612	3198
55	846	710	628	371	148	19	0	1	43	234	551	767	4319
57	908	767	690	429	194	30	1	2	62	290	611	828	4813
60	1001	851	782	519	276	59	3	10	105	379	701	921	5607
65	1156	992	936	668	426	143	30	57	223	533	851	1076	7093

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	2	32	196	346	291	125	12	0	0	1004
57	0	0	0	1	16	148	285	230	84	5	0	0	768
60	0	0	0	0	5	86	194	145	37	1	0	0	468
65	0	0	0	0	0	21	66	37	5	0	0	0	129
70	0	0	0	0	0	2	7	2	0	0	0	0	11

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	10	13	41	146	356	627	811	755	534	266	60	16	3636
45	2	3	10	62	219	479	656	600	388	143	16	3	2580
50	0	0	2	17	104	333	501	445	248	54	2	1	1708
55	0	0	0	2	32	196	346	291	125	12	0	0	1004
60	0	0	0	0	5	86	194	145	37	1	0	0	468

Corn GDD	34	43	73	154	280	426	520	495	393	266	98	42	2824
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	35/1975	62	70	77	82	87	92	98	104	113	121/1953	39	
32	59/1964	84	93	99	105	110	115	121	127	136	146/1969	39	
28	76/1973	107	116	123	129	135	140	146	153	163	177/1949	38	
24	103/1975	128	139	146	152	158	164	170	178	188	197/1981	38	
20	136/1975	157	164	170	174	179	183	188	193	201	211/1963	36	
16	164/1979	174	182	187	192	196	200	205	210	218	229/1967	36	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/19/1958	5/27	6/ 2	6/ 6	6/ 9	6/12	6/15	6/19	6/23	6/28	7/10/1965	39	
32	5/ 7/1949	5/16	5/22	5/25	5/29	6/ 1	6/ 4	6/ 7	6/11	6/16	6/25/1976	39	
28	4/17/1949	4/29	5/ 5	5/10	5/14	5/17	5/21	5/25	5/29	6/ 4	6/19/1973	38	
24	4/ 5/1981	4/16	4/22	4/27	5/ 1	5/ 5	5/ 9	5/13	5/17	5/24	6/15/1976	38	
20	4/ 4/1963	4/ 9	4/13	4/17	4/20	4/22	4/25	4/28	5/ 1	5/ 5	5/12/1979	36	
16	3/15/1967	3/26	4/ 1	4/ 5	4/ 9	4/12	4/15	4/19	4/23	4/29	5/11/1979	36	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	8/ 3/1975	8/22	8/27	9/ 1	9/ 4	9/ 7	9/11	9/14	9/18	9/24	9/26/1963	39	
32	8/21/1964	9/ 4	9/ 9	9/13	9/16	9/19	9/22	9/25	9/29	10/ 4	10/10/1981	39	
28	9/ 3/1973	9/14	9/19	9/23	9/26	9/29	10/ 2	10/ 5	10/ 9	10/14	11/ 3/1950	38	
24	9/12/1974	9/23	9/28	10/ 3	10/ 6	10/10	10/13	10/17	10/21	10/27	11/ 3/1950	38	
20	9/19/1971	9/30	10/ 6	10/11	10/14	10/18	10/21	10/25	10/29	11/ 5	11/ 9/1983	36	
16	9/19/1971	10/ 7	10/13	10/18	10/22	10/25	10/29	11/ 2	11/ 6	11/12	11/17/1958	36	

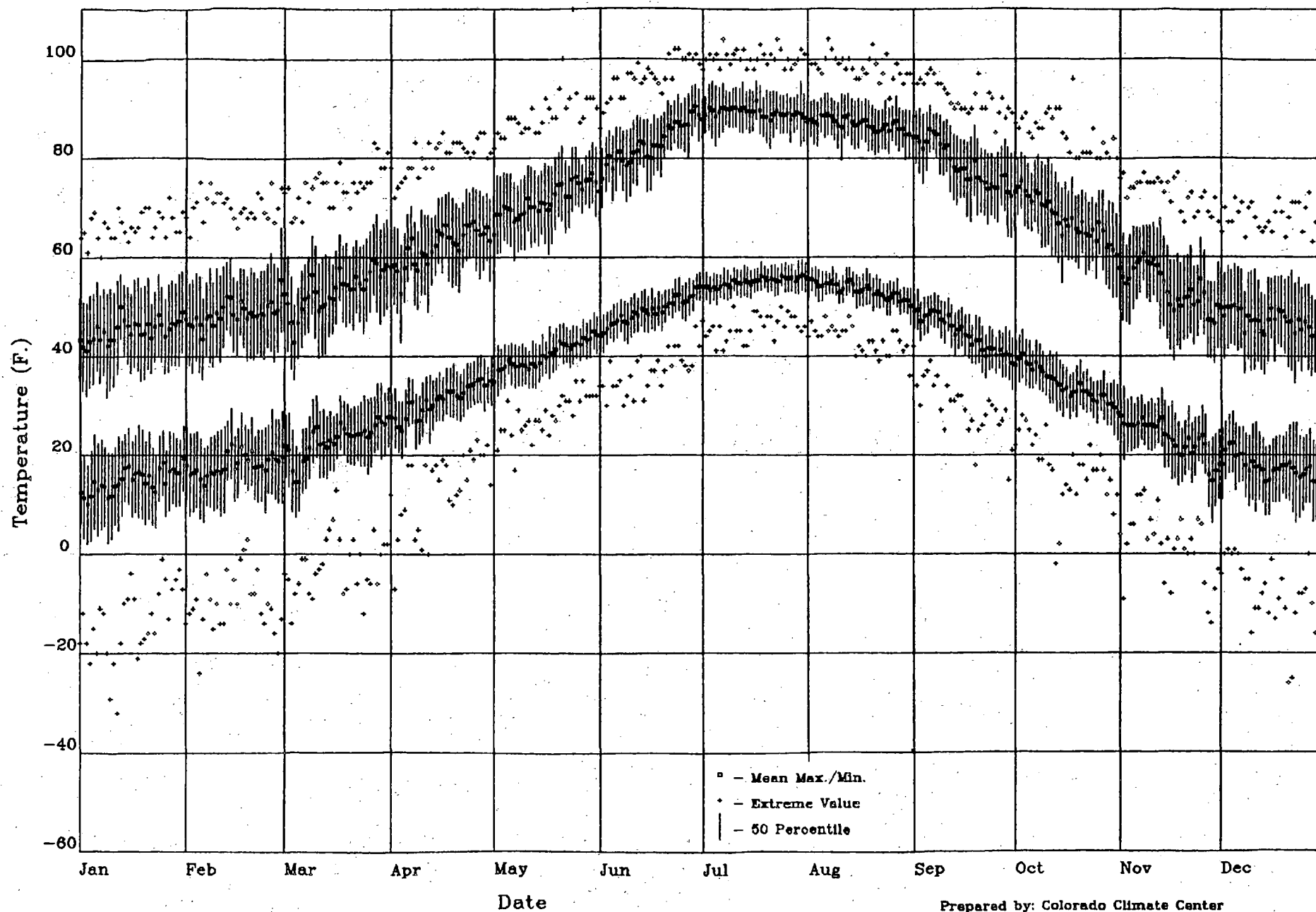
CHERRY CREEK DAM

Record: 38 years ending in 1987

Lat 39 39

Long 104 51

Elev 5650



Prepared by: Colorado Climate Center

Latitude: 39 39 Longitude: 104 51 Elevation: 5650

Period of Record: 37 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	45.2	48.5	53.3	62.1	71.7	82.7	89.2	86.9	78.5	67.7	54.0	47.7	65.6
Std. Dev.	4.9	5.2	5.1	4.2	4.0	3.9	2.7	2.3	4.1	5.0	4.8	3.7	
Mean Min.	14.8	18.0	23.1	31.2	40.4	49.1	55.0	53.3	44.4	34.3	23.3	17.9	33.7
Std. Dev.	4.9	4.1	3.6	2.7	2.0	2.3	1.8	2.0	2.7	2.6	3.0	3.2	
Num. Yrs.	33	32	33	34	34	36	35	36	33	33	32	31	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	605	464	366	158	32	2	0	0	15	93	340	522	2599
55	758	601	507	263	77	9	0	0	33	170	478	673	3570
57	819	657	567	313	103	14	1	1	46	211	537	734	4001
60	911	740	657	393	156	26	2	3	73	283	625	825	4693
65	1064	880	809	537	274	66	7	12	143	425	773	978	5969

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	3	23	116	340	537	473	233	54	1	1	1781
57	0	0	2	13	81	286	475	412	186	34	0	0	1490
60	0	0	1	4	42	209	384	321	124	14	0	0	1099
65	0	0	0	0	9	101	234	177	46	2	0	0	569
70	0	0	0	0	2	32	102	62	9	0	0	0	207

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	29	47	106	247	500	775	999	934	648	368	105	43	4801
45	6	16	46	141	356	628	845	780	503	240	43	13	3616
50	1	3	15	66	224	482	690	626	363	132	11	3	2616
55	0	0	3	23	116	340	537	473	233	54	1	1	1781
60	0	0	1	4	42	209	384	321	124	14	0	0	1099

Corn GDD	44	60	108	200	333	481	614	582	422	285	113	56	3300
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Growing Season													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	76/1973	94	101	106	111	115	119	123	128	135	145/1981	25	
32	95/1974	114	121	126	131	135	139	144	149	156	165/1952	24	
28	117/1971	137	144	149	154	158	162	167	172	179	191/1962	24	
24	152/1971	160	167	172	176	180	184	189	194	201	209/1962	22	
20	152/1971	173	182	188	194	199	204	210	216	225	241/1958	21	
16	200/1985	204	210	214	218	221	224	228	232	238	244/1958	20	

Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/ 5/1958	5/10	5/15	5/19	5/22	5/25	5/28	5/31	6/ 4	6/ 9	6/19/1973	25	
32	4/23/1952	5/ 1	5/ 6	5/10	5/13	5/16	5/18	5/22	5/25	5/30	6/ 9/1974	24	
28	4/11/1952	4/17	4/22	4/26	4/29	5/ 2	5/ 5	5/ 8	5/12	5/17	5/24/1971	24	
24	4/ 5/1981	4/ 8	4/13	4/16	4/19	4/22	4/25	4/28	5/ 2	5/ 7	5/17/1957	22	
20	3/19/1958	3/28	4/ 1	4/ 5	4/ 8	4/10	4/13	4/16	4/19	4/24	5/ 1/1970	21	
16	3/13/1985	3/19	3/24	3/27	3/29	4/ 1	4/ 3	4/ 6	4/ 9	4/13	4/18/1953	20	

Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	8/31/1956	9/ 4	9/ 8	9/12	9/14	9/17	9/19	9/22	9/25	9/29	10/ 6/1981	25	
32	9/ 3/1961	9/12	9/17	9/21	9/24	9/28	10/ 1	10/ 4	10/ 8	10/13	10/17/1981	24	
28	9/10/1986	9/23	9/28	10/ 1	10/ 4	10/ 7	10/10	10/13	10/17	10/22	10/25/1957	24	
24	9/19/1971	10/ 3	10/ 9	10/13	10/16	10/20	10/23	10/27	10/31	11/ 6	11/ 7/1953	22	
20	9/19/1971	10/ 8	10/14	10/19	10/23	10/26	10/30	11/ 3	11/ 8	11/14	11/19/1953	21	
16	9/29/1985	10/21	10/27	10/31	11/ 4	11/ 7	11/11	11/15	11/19	11/25	11/26/1981	20	

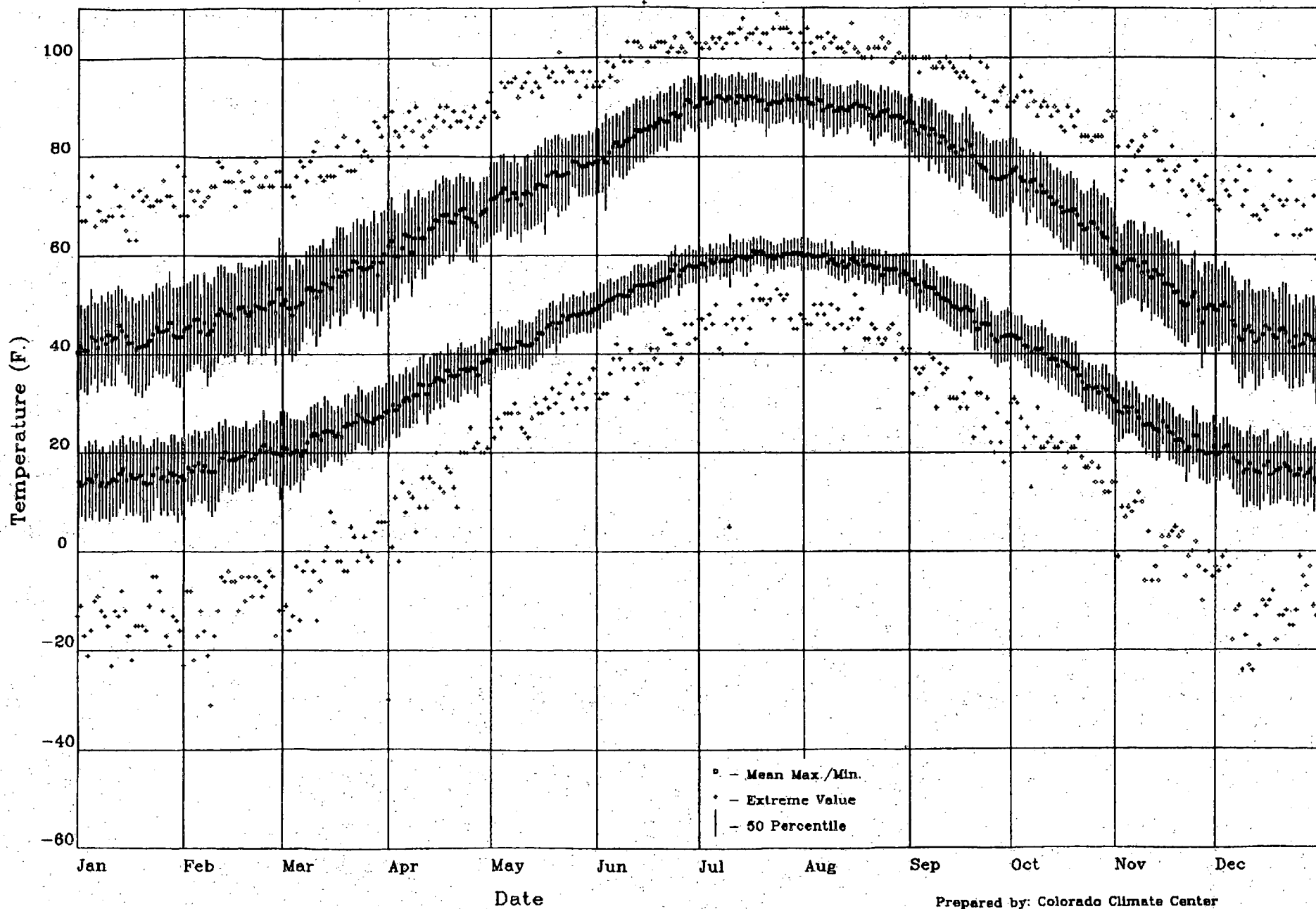
CHEYENNE WELLS

Record: 70 years ending in 1987

Lat 38 49

Long 102 21

Elev 4250



Prepared by: Colorado Climate Center

Latitude: 38 49 Longitude: 102 21 Elevation: 4250

Period of Record: 70 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	43.3	47.8	54.5	65.6	74.7	85.2	91.6	89.5	81.2	70.0	54.1	44.8	66.9
Std. Dev.	5.6	6.2	6.0	4.5	3.9	4.1	2.7	3.1	3.8	4.9	5.0	5.4	
Mean Min.	14.9	18.4	24.1	34.1	44.5	54.0	59.6	58.2	49.0	37.5	24.5	17.2	36.3
Std. Dev.	4.5	4.5	4.0	3.2	2.6	2.5	2.0	2.4	3.1	2.4	2.8	3.6	
Num. Yrs.	67	70	68	70	67	69	69	69	70	68	69	69	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	632	465	339	106	16	1	0	0	7	60	320	571	2517
55	784	601	477	191	45	4	0	0	18	120	456	721	3416
57	845	656	536	234	63	6	0	0	25	154	513	782	3813
60	936	738	625	306	101	12	0	1	42	214	600	873	4450
65	1089	877	778	441	192	37	2	4	91	340	747	1025	5621

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	5	46	194	442	638	584	324	91	2	0	2327
57	0	0	3	31	151	385	576	523	272	64	1	0	2006
60	0	0	1	15	97	303	485	432	200	33	0	0	1566
65	0	0	0	3	35	179	333	282	102	7	0	0	941
70	0	0	0	0	8	82	189	147	37	0	0	0	464

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	21	43	120	320	609	884	1096	1041	749	435	108	28	5453
45	5	14	56	202	460	735	943	889	603	300	46	7	4261
50	1	4	20	108	318	588	790	736	460	182	14	1	3223
55	0	1	5	46	194	442	638	584	324	91	2	0	2327
60	0	0	1	15	97	303	485	432	200	33	0	0	1566

Corn GDD 38 61 126 241 384 545 684 654 474 311 113 43 3674

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	93/1947	108	115	120	125	129	133	138	143	150	167/1987	42
32	109/1947	124	131	137	141	146	150	155	160	168	181/1963	38
28	135/1945	149	156	161	166	170	174	178	183	191	202/1971	36
24	155/1966	166	174	180	185	190	194	199	205	213	230/1965	33
20	181/1942	191	199	205	210	214	219	224	230	238	247/1986	31
16	194/1970	207	215	221	226	231	236	240	246	254	268/1984	29

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	4/21/1987	4/30	5/ 6	5/10	5/13	5/16	5/19	5/22	5/26	6/ 1	6/13/1947	42
32	4/19/1974	4/23	4/28	5/ 1	5/ 4	5/ 7	5/10	5/13	5/16	5/21	6/10/1975	38
28	4/ 8/1971	4/14	4/18	4/21	4/24	4/26	4/29	5/ 1	5/ 4	5/ 9	5/16/1945	36
24	3/19/1986	3/30	4/ 5	4/ 9	4/12	4/16	4/19	4/22	4/26	5/ 2	5/12/1966	33
20	3/ 6/1986	3/18	3/23	3/27	3/30	4/ 3	4/ 6	4/ 9	4/13	4/18	4/23/1972	31
16	3/ 6/1942	3/13	3/18	3/22	3/25	3/28	3/31	4/ 3	4/ 7	4/12	4/21/1978	29

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	9/ 2/1974	9/10	9/14	9/17	9/20	9/22	9/25	9/27	9/30	10/ 4	10/ 9/1949	42
32	9/ 2/1974	9/14	9/19	9/23	9/26	9/30	10/ 3	10/ 6	10/10	10/15	10/27/1963	38
28	9/20/1965	9/26	10/ 2	10/ 6	10/10	10/13	10/17	10/20	10/24	10/30	11/ 5/1937	36
24	9/20/1983	10/ 3	10/10	10/14	10/18	10/22	10/26	10/30	11/ 4	11/10	11/17/1958	33
20	9/26/1942	10/16	10/22	10/27	10/30	11/ 3	11/ 6	11/10	11/14	11/21	11/19/1973	31
16	10/ 7/1970	10/30	11/ 4	11/ 8	11/11	11/14	11/17	11/20	11/23	11/28	12/ 1/1984	29

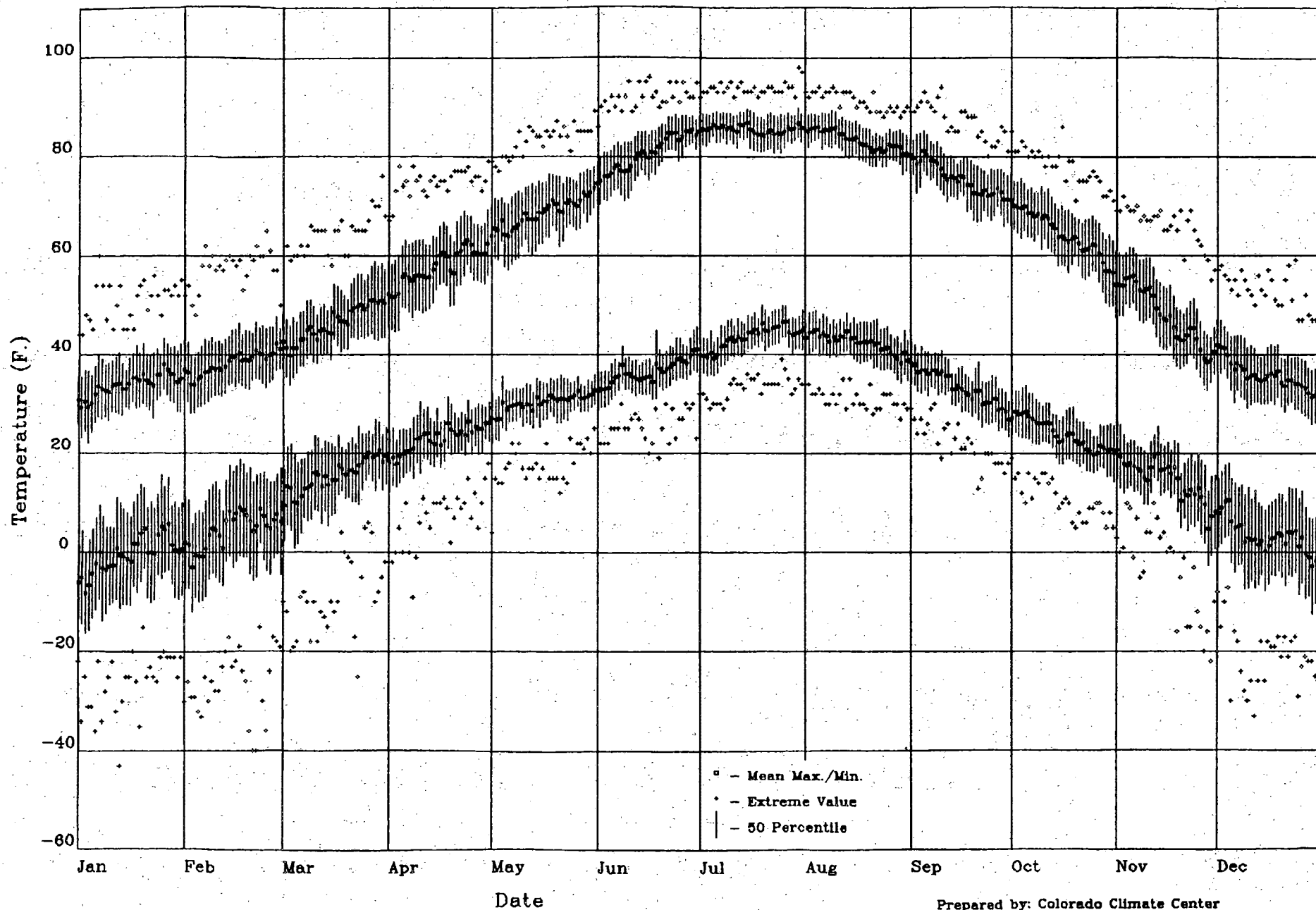
CIMARRON

Record: 36 years ending in 1987

Lat 38 27

Long 107 33

Elev 6900



Prepared by: Colorado Climate Center

Latitude: 38 27 Longitude: 107 33 Elevation: 6900 Period of Record: 37 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	33.8	38.1	46.3	57.6	68.5	80.5	85.4	83.4	75.3	64.4	48.0	35.4	59.8
Std. Dev.	4.6	5.4	4.7	5.3	4.4	3.6	2.2	2.2	3.6	4.7	4.8	4.4	
Mean Min.	-0.4	4.6	15.6	22.9	30.3	36.4	43.4	42.3	33.4	23.9	15.0	3.3	22.6
Std. Dev.	6.6	6.8	5.0	2.4	2.5	2.2	2.6	3.2	2.8	2.8	3.0	5.4	
Num. Yrs.	36	36	35	35	36	35	34	34	33	35	34	31	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1012	801	579	286	74	3	0	0	17	184	544	925	4427
55	1166	942	733	431	177	22	0	1	66	328	693	1078	5635
57	1227	999	794	490	231	40	0	3	102	388	752	1138	6165
60	1319	1083	887	579	319	80	4	16	171	481	841	1230	7009
65	1472	1224	1041	728	472	192	46	81	311	635	990	1382	8573

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	1	13	132	298	251	54	1	0	0	749
57	0	0	0	1	5	90	236	191	30	0	0	0	554
60	0	0	0	0	1	42	147	111	10	0	0	0	312
65	0	0	0	0	0	6	35	23	1	0	0	0	65
70	0	0	0	0	0	1	2	1	0	0	0	0	3

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	1	12	91	303	552	760	712	436	164	12	1	3043
45	0	0	2	29	167	404	606	558	289	62	1	0	2118
50	0	0	0	5	64	260	452	404	154	12	0	0	1351
55	0	0	0	1	13	132	298	251	54	1	0	0	749
60	0	0	0	0	1	42	147	111	10	0	0	0	312

Corn GDD 1 5 36 139 288 442 527 506 377 230 51 2 2604

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1952	15	23	29	35	40	44	50	56	64	81/1962	33
32	0/1952	32	42	49	55	60	66	72	79	89	95/1984	29
28	60/1980	78	87	93	98	103	108	114	120	129	142/1984	26
24	89/1980	107	115	120	125	129	133	138	143	151	152/1959	25
20	111/1978	122	131	138	144	149	154	160	166	175	181/1965	23
16	131/1974	147	158	166	173	179	185	192	200	211	223/1965	22

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/31/1962	6/21	6/25	6/29	7/ 1	7/ 4	7/ 6	7/ 9	7/12	7/17	7/19/1952	33
32	5/29/1962	6/13	6/17	6/21	6/24	6/26	6/29	7/ 2	7/ 5	7/10	7/19/1952	29
28	5/ 9/1984	5/18	5/23	5/27	5/30	6/ 2	6/ 5	6/ 9	6/13	6/18	6/26/1975	26
24	4/23/1987	5/ 2	5/ 9	5/14	5/18	5/22	5/26	5/30	6/ 4	6/10	6/24/1976	25
20	4/17/1965	4/17	4/24	4/29	5/ 4	5/ 8	5/13	5/17	5/23	5/30	6/16/1981	23
16	3/18/1978	3/26	4/ 3	4/ 9	4/15	4/19	4/24	4/29	5/ 5	5/13	5/23/1977	22

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1952	7/23	7/30	8/ 4	8/ 8	8/12	8/16	8/21	8/26	9/ 2	9/18/1969	33
32	7/19/1952	8/ 4	8/11	8/17	8/21	8/26	8/30	9/ 4	9/ 9	9/16	9/25/1984	29
28	8/21/1980	8/31	9/ 5	9/ 8	9/11	9/14	9/17	9/20	9/23	9/28	10/ 2/1982	26
24	9/ 9/1962	9/17	9/21	9/23	9/25	9/28	9/30	10/ 2	10/ 4	10/ 8	10/18/1981	25
20	9/10/1962	9/19	9/24	9/28	10/ 1	10/ 4	10/ 7	10/10	10/14	10/19	10/29/1972	23
16	9/21/1978	9/28	10/ 4	10/ 8	10/12	10/15	10/19	10/22	10/27	11/ 2	11/ 7/1985	22

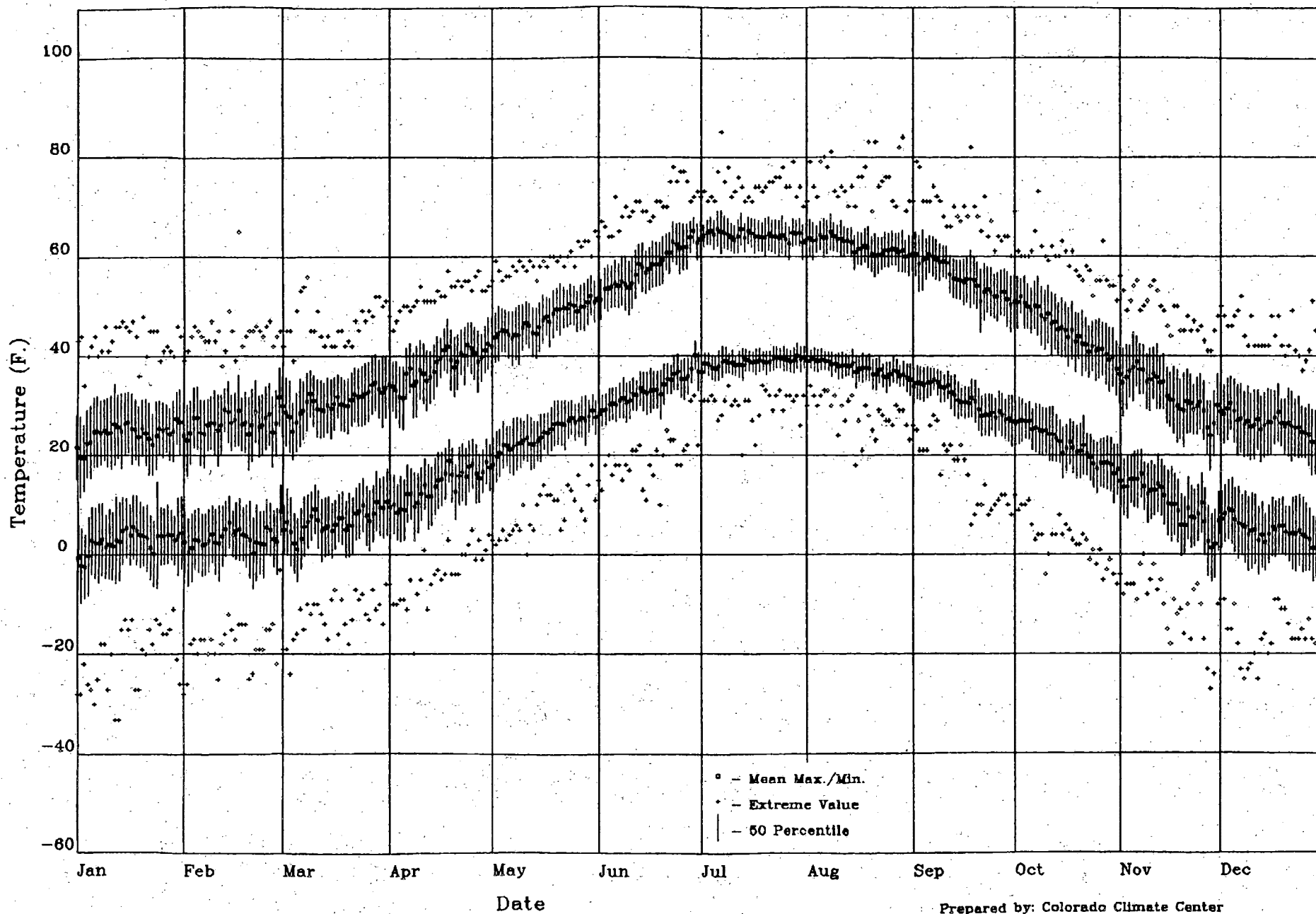
CLIMAX

Record: 37 years ending in 1987

Lat 39 22

Long 106 11

Elev 11350



Prepared by: Colorado Climate Center

Latitude: 39 22 Longitude: 106 11 Elevation: 11350

Period of Record: 39 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	24.4	26.4	30.7	37.8	47.1	57.9	64.2	62.1	55.7	45.2	32.5	26.2	42.5
Std. Dev.	3.6	3.7	3.3	3.4	2.7	3.1	2.1	2.6	3.6	3.7	3.2	3.7	
Mean Min.	2.7	3.3	6.9	13.9	24.3	33.2	38.7	37.5	31.2	22.1	10.4	4.6	19.1
Std. Dev.	3.9	3.8	3.2	3.6	2.9	2.1	1.4	1.7	2.1	3.0	3.3	3.8	
Num. Yrs.	35	35	34	34	34	33	35	35	35	35	36	36	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1110	966	943	707	433	149	21	45	195	494	840	1052	6954
55	1263	1104	1095	855	588	275	109	157	335	646	988	1205	8622
57	1324	1160	1155	914	649	333	163	215	394	707	1048	1267	9330
60	1416	1243	1247	1003	742	421	251	306	483	799	1137	1358	10406
65	1570	1381	1398	1151	896	569	403	459	631	952	1285	1512	12207

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	3	10	5	1	0	0	0	18
57	0	0	0	0	0	1	3	2	0	0	0	0	6
60	0	0	0	0	0	0	0	0	0	0	0	0	1
65	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	0	1	31	193	356	308	143	20	0	0	1053
45	0	0	0	0	3	88	205	161	50	2	0	0	510
50	0	0	0	0	0	24	73	46	9	0	0	0	152
55	0	0	0	0	0	3	10	5	1	0	0	0	18
60	0	0	0	0	0	0	0	0	0	0	0	0	1

Corn GDD 0 0 0 2 25 128 216 186 101 22 1 0 680

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1953	0	1	6	10	14	18	22	27	33	61/1983	32
32	9/1961	14	23	29	34	39	43	48	54	63	78/1983	27
28	45/1976	48	58	66	72	78	84	90	97	107	118/1958	21
24	46/1978	60	72	80	87	94	100	108	116	128	147/1963	21
20	79/1978	95	104	111	117	123	128	134	141	151	155/1963	18
16	100/1973	110	121	129	135	142	148	155	163	174	186/1963	18

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	6/27/1966	7/ 8	7/10	7/12	7/13	7/14	7/16	7/17	7/19	7/21	7/19/1953	32
32	6/20/1963	6/25	6/28	6/30	7/ 2	7/ 4	7/ 6	7/ 8	7/11	7/14	7/18/1976	27
28	5/19/1958	6/ 1	6/ 7	6/11	6/15	6/18	6/22	6/25	6/30	7/ 6	7/18/1976	21
24	5/15/1958	5/22	5/29	6/ 3	6/ 7	6/11	6/15	6/19	6/24	7/ 1	7/17/1976	21
20	4/23/1987	5/ 3	5/10	5/16	5/20	5/24	5/28	6/ 2	6/ 7	6/14	6/25/1977	18
16	4/22/1959	4/27	5/ 4	5/ 8	5/12	5/16	5/19	5/23	5/28	6/ 3	6/19/1973	18

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1953	7/12	7/18	7/22	7/25	7/28	7/31	8/ 4	8/ 8	8/13	9/11/1983	32
32	7/21/1957	7/22	7/29	8/ 4	8/ 8	8/12	8/16	8/20	8/25	9/ 1	9/20/1983	27
28	7/30/1971	8/14	8/21	8/26	8/31	9/ 4	9/ 8	9/13	9/18	9/25	10/14/1963	21
24	8/15/1978	8/23	8/30	9/ 4	9/ 9	9/13	9/17	9/21	9/26	10/ 3	10/14/1963	21
20	8/15/1978	9/ 6	9/12	9/16	9/20	9/24	9/28	10/ 1	10/ 6	10/12	10/14/1963	18
16	9/ 9/1962	9/17	9/23	9/27	10/ 1	10/ 4	10/ 8	10/12	10/16	10/22	11/ 1/1963	18

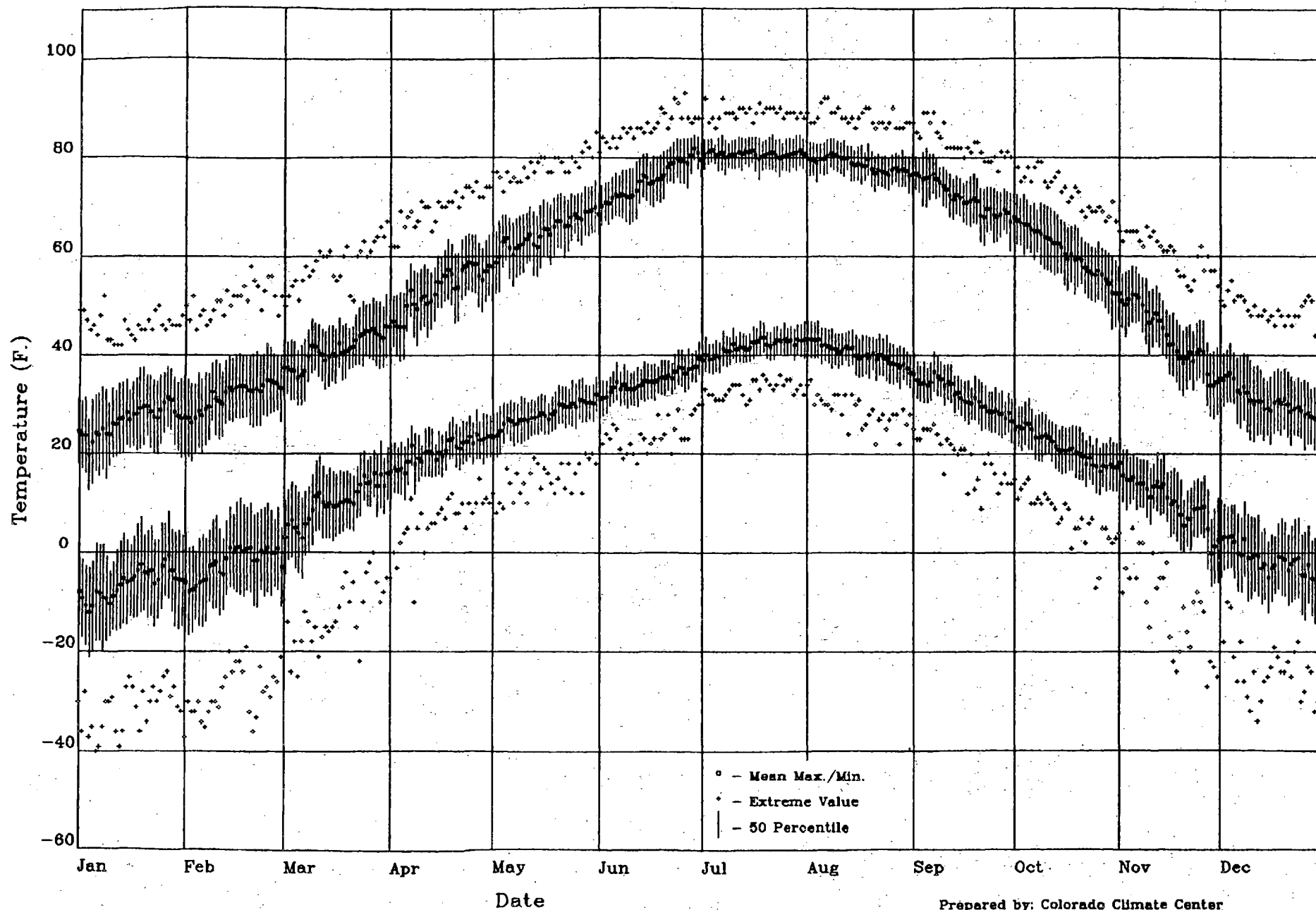
COCHETOPA CREEK

Record: 40 years ending in 1987

Lat 38 26

Long 106 46

Elev 8000



Prepared by: Colorado Climate Center

Latitude: 38 26 Longitude: 106 46 Elevation: 8000 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	26.7	31.6	41.0	53.1	64.7	75.4	80.7	78.6	72.0	60.9	44.1	30.7	55.0
Std. Dev.	6.3	6.5	4.4	3.9	3.0	3.2	1.7	2.0	3.1	4.3	4.6	5.5	
Mean Min.	-6.4	-2.0	10.2	20.5	28.1	34.8	41.7	40.3	31.7	21.2	10.6	-1.5	19.1
Std. Dev.	6.3	7.1	5.0	2.6	2.4	2.3	2.0	3.0	2.5	3.2	3.2	4.9	
Num. Yrs.	39	39	39	39	39	39	38	40	40	40	38	40	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1220	986	744	389	140	18	0	1	42	276	671	1088	5574
55	1375	1127	898	536	265	62	1	8	118	426	821	1242	6880
57	1436	1184	959	596	323	92	5	20	163	488	881	1304	7451
60	1529	1269	1052	686	414	154	23	55	242	580	971	1397	8371
65	1683	1410	1206	836	568	290	117	169	387	735	1121	1552	10073

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	6	72	201	154	31	0	0	0	465
57	0	0	0	0	2	42	143	103	16	0	0	0	306
60	0	0	0	0	0	14	68	46	5	0	0	0	133
65	0	0	0	0	0	1	7	4	0	0	0	0	13
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	3	54	227	459	664	610	366	108	4	0	2496
45	0	0	1	15	110	313	509	455	225	34	1	0	1663
50	0	0	0	2	35	178	355	301	105	6	0	0	981
55	0	0	0	0	6	72	201	154	31	0	0	0	465
60	0	0	0	0	0	14	68	46	5	0	0	0	133

Corn GDD 0 1 11 89 232 379 473 443 331 184 27 0 2170

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1979	3	11	17	22	26	31	35	41	49	71/1984	37
32	13/1962	33	41	47	52	56	61	66	72	80	92/1981	37
28	46/1985	63	71	77	82	87	91	97	102	111	118/1963	34
24	47/1985	83	91	96	101	106	110	115	120	128	135/1963	34
20	90/1975	108	116	122	127	132	137	142	148	156	168/1949	34
16	113/1973	133	142	149	155	160	165	171	177	186	196/1981	34

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	6/21/1981	6/29	7/ 2	7/ 5	7/ 7	7/ 9	7/11	7/13	7/15	7/19	7/19/1979	37
32	6/10/1984	6/15	6/19	6/22	6/24	6/27	6/29	7/ 1	7/ 4	7/ 8	7/15/1962	37
28	5/25/1977	5/31	6/ 4	6/ 7	6/10	6/12	6/15	6/17	6/20	6/25	6/28/1985	34
24	5/14/1958	5/18	5/24	5/28	5/31	6/ 3	6/ 7	6/10	6/14	6/20	6/27/1969	34
20	4/17/1949	5/ 2	5/ 8	5/13	5/16	5/20	5/23	5/27	5/31	6/ 6	6/22/1975	34
16	4/ 1/1985	4/14	4/20	4/24	4/28	5/ 1	5/ 5	5/ 9	5/13	5/19	5/27/1973	34

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1979	7/18	7/24	7/28	8/ 1	8/ 4	8/ 7	8/11	8/15	8/21	9/ 5/1983	37
32	7/28/1962	8/ 5	8/11	8/15	8/19	8/22	8/25	8/29	9/ 2	9/ 8	9/18/1981	37
28	8/11/1974	8/21	8/27	8/31	9/ 4	9/ 7	9/10	9/14	9/18	9/24	9/27/1981	34
24	8/13/1985	9/ 2	9/ 7	9/11	9/14	9/17	9/20	9/23	9/26	10/ 1	10/14/1954	34
20	9/10/1962	9/17	9/21	9/24	9/26	9/29	10/ 1	10/ 4	10/ 6	10/10	10/18/1981	34
16	9/10/1962	9/21	9/27	10/ 1	10/ 5	10/ 8	10/12	10/15	10/19	10/25	11/ 2/1963	34

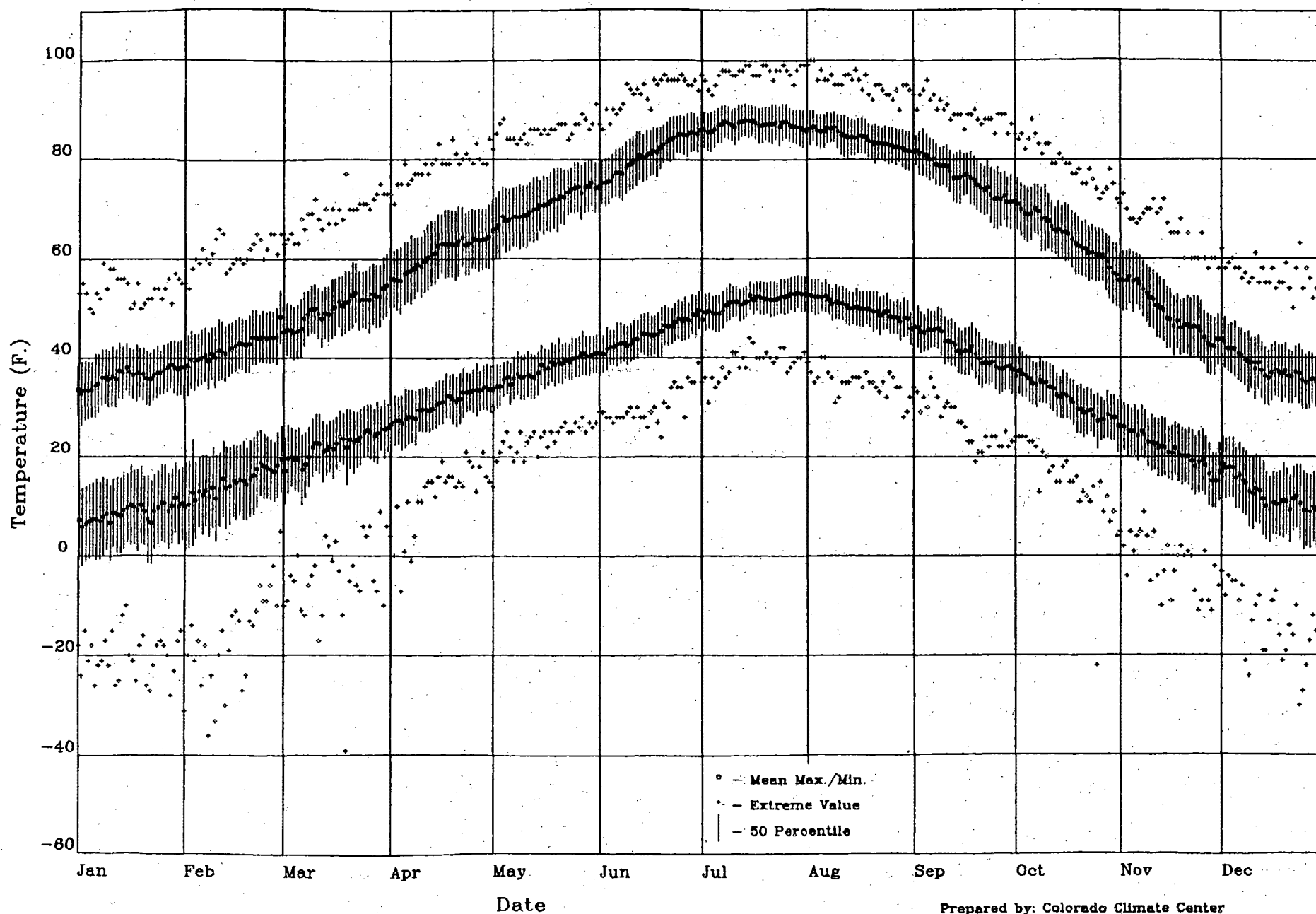
COLLBRAN 1 W

Record: 83 years ending in 1987

Lat 39 14

Long 107 59

Elev 5960



Prepared by: Colorado Climate Center

Latitude: 39 14 Longitude: 107 59 Elevation: 5960

Period of Record: 88 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	36.2	41.9	49.9	61.0	70.8	80.9	86.9	84.3	76.4	64.6	49.2	38.0	61.7
Std. Dev.	4.2	4.5	3.9	4.0	3.8	3.2	2.7	2.5	3.4	4.1	4.2	4.4	
Mean Min.	8.6	14.8	22.3	30.7	37.8	44.9	51.3	49.9	41.8	31.8	21.3	12.2	30.6
Std. Dev.	5.8	5.8	3.5	2.8	2.4	2.7	2.6	2.7	3.2	3.1	3.9	5.0	
Num. Yrs.	80	79	78	81	80	83	82	80	80	80	81	80	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	842	601	418	155	35	2	0	0	10	111	427	752	3352
55	996	741	568	271	89	10	0	0	30	216	574	904	4399
57	1057	797	629	325	121	17	0	0	45	268	633	965	4859
60	1150	881	720	411	183	36	1	2	81	353	721	1057	5596
65	1304	1021	872	558	319	98	8	21	179	502	868	1209	6961

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	9	75	248	438	379	159	18	0	0	1326
57	0	0	0	4	47	196	377	318	116	9	0	0	1067
60	0	0	0	1	18	127	286	228	63	2	0	0	726
65	0	0	0	0	2	43	141	94	13	0	0	0	293
70	0	0	0	0	0	7	37	17	1	0	0	0	63

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	1	6	47	211	443	677	896	838	572	272	40	2	4006
45	0	1	12	109	300	531	743	685	427	150	10	0	2968
50	0	1	2	40	173	386	591	532	287	64	1	0	2076
55	0	0	0	9	75	248	438	379	159	18	0	0	1326
60	0	0	0	1	18	127	286	228	63	2	0	0	726

Corn GDD 1 9 55 174 317 450 567 536 394 229 52 3 2787

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	42/1944	63	73	80	86	92	98	104	111	121	154/1963	50
32	59/1975	87	97	103	109	115	120	126	132	142	154/1963	47
28	64/1975	114	124	132	139	145	151	158	166	177	192/1957	44
24	122/1971	148	157	163	169	174	179	184	191	200	224/1965	38
20	159/1970	169	178	184	189	193	198	203	209	217	246/1965	38
16	179/1970	198	206	212	217	221	226	230	236	244	251/1958	33

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/13/1963	5/23	5/29	6/ 3	6/ 7	6/11	6/15	6/19	6/23	6/30	7/ 6/1902	50
32	5/ 3/1987	5/12	5/18	5/23	5/26	5/30	6/ 2	6/ 6	6/10	6/16	7/ 3/1921	47
28	4/18/1949	4/19	4/26	5/ 1	5/ 6	5/10	5/14	5/18	5/23	5/30	6/26/1975	44
24	4/ 1/1954	4/12	4/17	4/20	4/23	4/26	4/29	5/ 2	5/ 5	5/10	5/19/1971	38
20	3/20/1906	4/ 3	4/ 7	4/11	4/14	4/17	4/20	4/23	4/26	5/ 1	5/10/1948	38
16	3/ 6/1916	3/15	3/21	3/25	3/28	4/ 1	4/ 4	4/ 8	4/12	4/17	5/ 1/1909	33

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	8/ 4/1944	8/23	8/30	9/ 3	9/ 7	9/11	9/15	9/19	9/23	9/30	10/14/1963	50
32	8/ 9/1974	9/ 4	9/10	9/14	9/18	9/21	9/25	9/29	10/ 3	10/ 9	10/16/1980	47
28	8/29/1975	9/13	9/20	9/24	9/28	10/ 2	10/ 6	10/10	10/14	10/21	11/ 6/1957	44
24	9/18/1971	9/27	10/ 4	10/ 9	10/13	10/17	10/20	10/25	10/29	11/ 5	11/22/1965	38
20	9/19/1971	10/11	10/16	10/20	10/24	10/27	10/30	11/ 3	11/ 7	11/12	11/27/1965	38
16	10/ 8/1970	10/23	10/28	11/ 1	11/ 5	11/ 8	11/11	11/14	11/18	11/24	11/30/1954	33

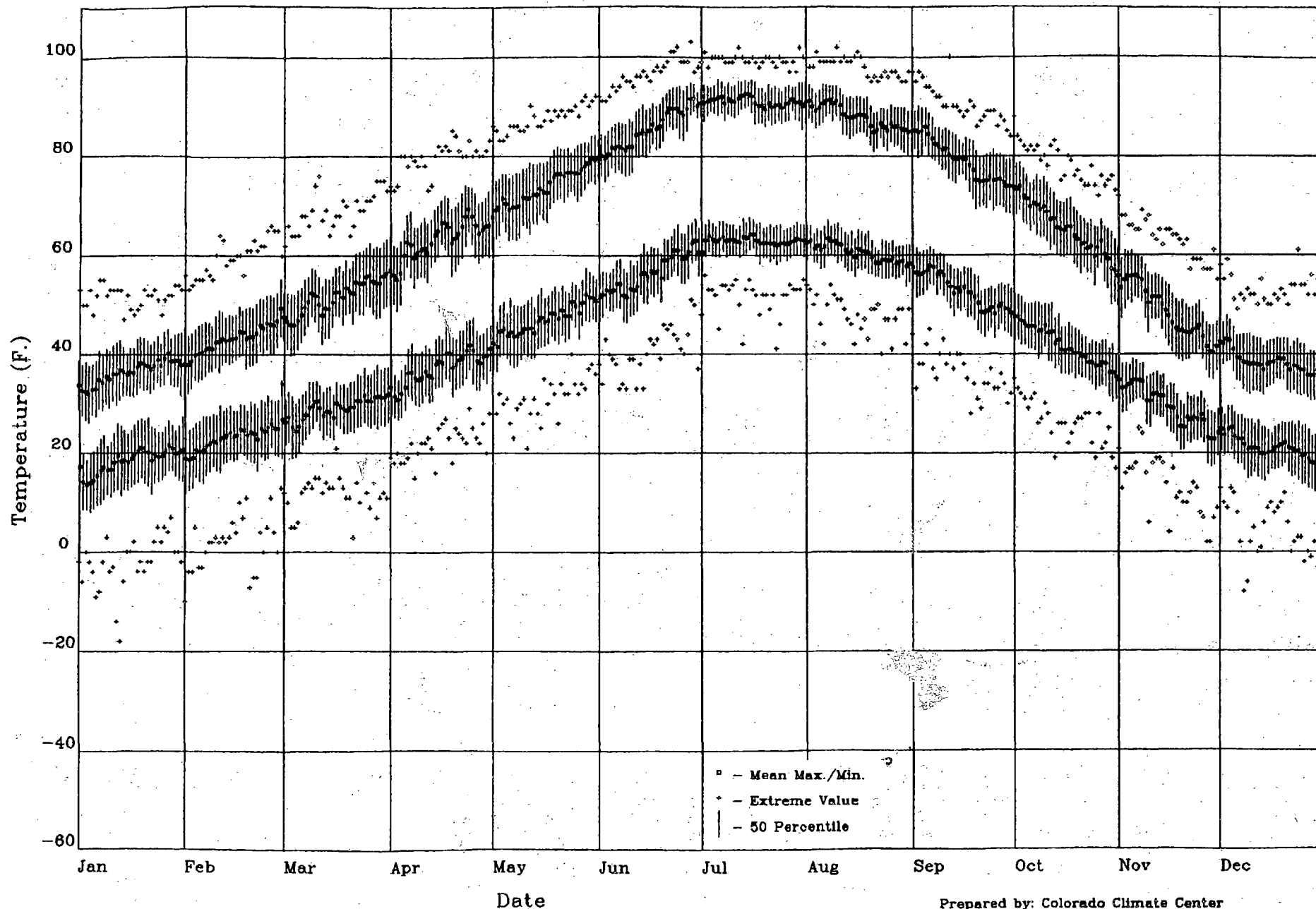
COLORADO NAT MON

Record: 40 years ending in 1987

Lat 39 6

Long 108 44

Elev 5780



Latitude: 39 6 Longitude: 108 44 Elevation: 5780

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	36.3	42.8	51.5	63.2	73.5	85.3	91.0	87.9	79.2	65.8	48.6	38.3	63.6
Std. Dev.	4.6	4.6	3.9	4.0	3.6	3.4	2.1	2.5	3.4	4.5	4.4	3.8	
Mean Min.	18.3	22.9	29.0	37.3	46.9	56.5	63.0	60.4	52.8	41.7	29.3	21.0	39.9
Std. Dev.	4.9	4.9	3.5	3.2	3.2	3.4	2.3	2.5	3.3	3.5	3.2	4.0	
Num. Yrs.	39	38	39	35	37	39	37	39	38	39	39	40	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	683	467	303	95	15	0	0	0	4	54	330	608	2549
55	835	605	442	180	43	2	0	0	11	116	650	759	3453
57	896	660	501	223	61	3	0	0	17	150	818	820	3848
60	987	743	591	296	95	8	0	1	29	211	605	911	4477
65	1140	881	743	433	179	27	0	4	68	336	750	1062	5623

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	3	46	211	473	674	596	343	84	0	0	2430
57	0	0	1	29	167	416	613	535	289	59	0	0	2110
60	0	0	0	13	109	334	522	443	213	29	0	0	1664
65	0	0	0	2	39	206	371	293	104	5	0	0	1020
70	0	0	0	0	7	103	225	156	34	0	0	0	526

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	3	22	105	324	629	910	1128	1056	775	425	84	7	5468
45	0	5	45	203	479	764	977	903	628	290	31	1	4325
50	0	1	15	109	337	618	825	749	484	172	6	0	3316
55	0	0	3	46	211	473	674	596	343	84	0	0	2430
60	0	0	0	13	109	334	522	443	213	29	0	0	1664

Corn GDD	1	13	69	206	391	586	734	689	491	248	46	2	3475
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	108/1984	109	119	127	133	139	145	152	159	170	190/1962	22
32	115/1965	131	141	148	154	160	165	171	178	188	198/1956	18
28	130/1965	150	162	171	178	185	192	200	209	221	242/1978	16
24	195/1984	193	200	205	209	213	217	221	226	233	246/1978	14
20	204/1977	212	221	227	232	237	242	247	254	262	276/1963	13
16	232/1987	231	238	244	249	253	257	262	267	275	281/1963	11

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	4/27/1969	5/ 1	5/ 7	5/11	5/15	5/18	5/22	5/25	5/30	6/ 4	6/14/1981	22
32	4/ 9/1956	4/22	4/28	5/ 2	5/ 5	5/ 8	5/11	5/14	5/18	5/23	5/26/1965	18
28	3/16/1978	4/ 2	4/10	4/15	4/19	4/23	4/27	5/ 2	5/ 7	5/14	5/20/1977	16
24	3/15/1978	3/18	3/25	3/30	4/ 3	4/ 7	4/11	4/16	4/21	4/28	5/11/1965	14
20	3/ 4/1979	3/ 3	3/11	3/17	3/22	3/26	3/31	4/ 5	4/11	4/19	4/29/1984	13
16	3/ 5/1963	3/ 3	3/ 9	3/13	3/16	3/20	3/23	3/27	3/31	4/ 6	4/14/1970	11

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/ 2/1970	9/13	9/20	9/26	9/30	10/ 5	10/ 9	10/14	10/19	10/27	11/ 8/1962	22
32	9/18/1965	9/26	10/ 3	10/ 7	10/11	10/14	10/18	10/22	10/26	11/ 1	11/ 8/1962	18
28	9/18/1965	10/ 4	10/11	10/17	10/21	10/26	10/30	11/ 4	11/ 9	11/17	11/17/1963	16
24	10/12/1969	10/23	10/28	10/31	11/ 4	11/ 7	11/ 9	11/13	11/16	11/21	11/26/1965	14
20	10/30/1971	11/ 1	11/ 7	11/11	11/15	11/19	11/22	11/26	11/30	12/ 6	12/19/1970	13
16	11/15/1956	11/10	11/16	11/20	11/24	11/28	12/ 1	12/ 5	12/10	12/16	12/31/1970	11

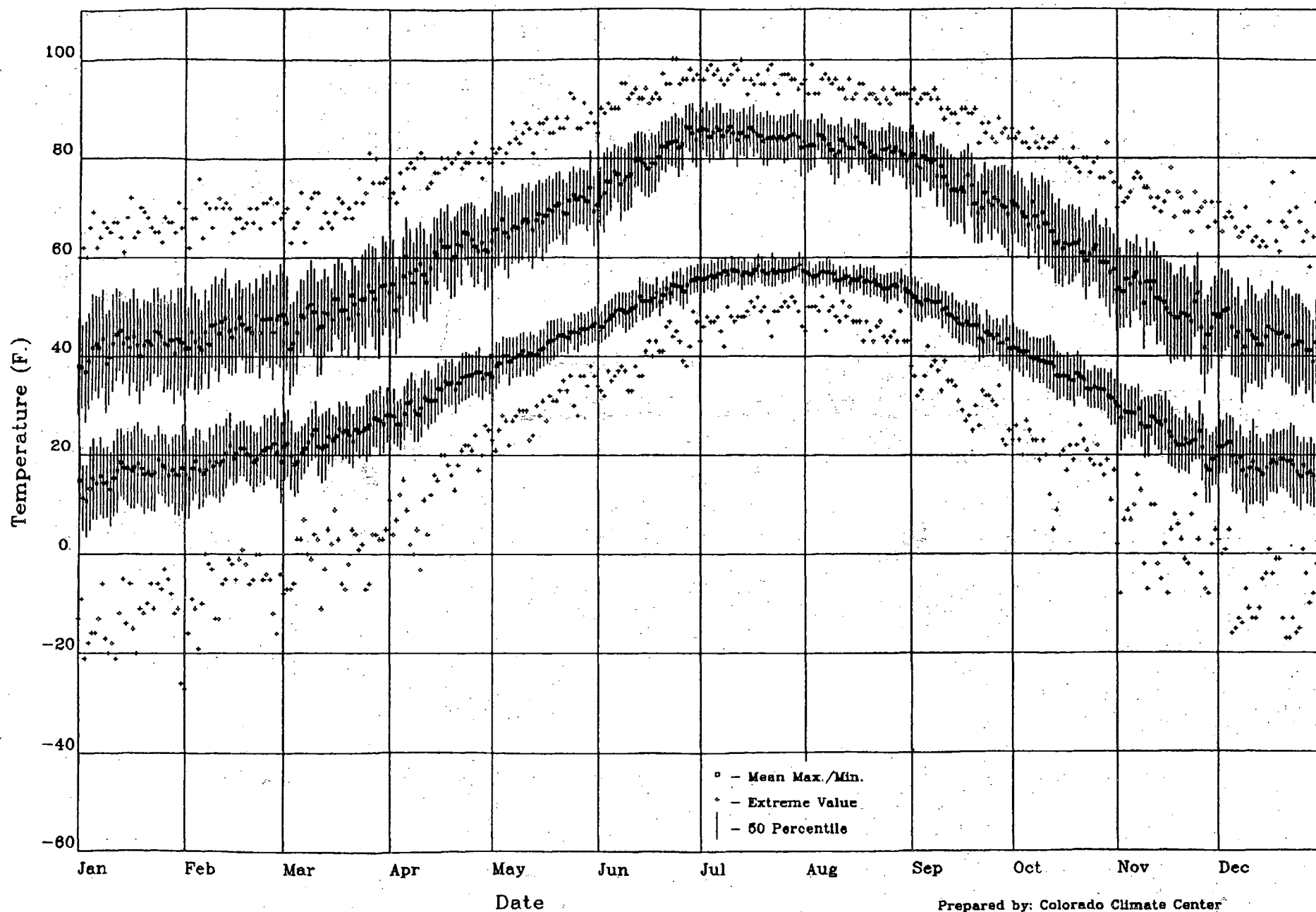
COLORADO SPRGS WSO AP

Record: 40 years ending in 1987

Lat 38 49

Long 104 43

Elev 6090



Latitude: 38 49 Longitude: 104 43 Elevation: 6090 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	42.0	45.3	49.3	59.3	68.4	79.3	84.8	82.1	74.6	64.0	50.7	43.9	62.0
Std. Dev.	5.5	4.9	4.7	4.0	3.5	3.8	2.7	2.5	3.5	4.4	4.5	5.1	
Mean Min.	16.0	19.3	23.7	32.5	42.1	51.3	57.0	55.3	47.2	36.6	24.6	18.1	35.3
Std. Dev.	4.2	3.9	3.4	2.8	2.0	2.2	1.8	1.6	2.4	2.8	3.2	3.7	
Num. Yrs.	39	39	39	39	39	38	39	40	40	40	40	40	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	641	496	418	174	39	3	0	0	16	102	373	583	2845
55	795	634	566	285	89	11	0	1	36	186	514	737	3855
57	857	691	627	336	119	16	1	2	50	230	573	799	4300
60	950	775	719	418	176	30	2	4	77	304	663	892	5009
65	1104	916	873	565	301	75	9	19	153	449	813	1047	6323

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	2	20	105	327	501	434	221	49	1	0	1661
57	0	0	1	11	73	272	440	373	175	30	0	0	1376
60	0	0	0	3	37	196	348	282	112	11	0	0	990
65	0	0	0	0	7	92	200	142	37	1	0	0	480
70	0	0	0	0	0	28	78	39	7	0	0	0	153

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	24	37	78	234	485	765	966	898	637	349	94	32	4598
45	6	12	31	130	340	616	811	743	491	222	38	9	3449
50	1	3	9	59	210	468	656	588	351	119	10	1	2475
55	0	0	2	20	105	327	501	434	221	49	1	0	1661
60	0	0	0	3	37	196	348	282	112	11	0	0	990

Corn GDD	33	44	77	168	293	467	617	569	388	233	85	40	3014
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	102/1951	109	117	123	128	133	138	143	148	157	170/1987	37	
32	110/1951	129	137	143	148	153	158	163	169	177	191/1963	37	
28	143/1984	153	160	164	168	172	176	180	184	191	203/1981	37	
24	158/1970	170	177	182	186	190	194	199	204	211	237/1965	36	
20	172/1984	189	196	202	207	211	216	220	226	234	243/1958	36	
16	200/1969	209	216	221	226	230	234	238	243	251	265/1984	35	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/22/1977	5/ 3	5/ 8	5/12	5/15	5/18	5/21	5/25	5/29	6/ 3	6/14/1969	37	
32	4/ 6/1977	4/21	4/26	4/29	5/ 2	5/ 5	5/ 8	5/11	5/15	5/20	6/ 3/1951	37	
28	4/ 5/1977	4/ 9	4/15	4/19	4/22	4/25	4/29	5/ 2	5/ 6	5/12	5/26/1950	37	
24	3/27/1969	4/ 3	4/ 7	4/11	4/13	4/16	4/19	4/22	4/25	4/29	5/ 6/1978	36	
20	3/16/1978	3/22	3/27	3/30	4/ 2	4/ 5	4/ 7	4/10	4/14	4/18	4/28/1984	36	
16	3/ 7/1984	3/13	3/18	3/21	3/24	3/27	3/30	4/ 2	4/ 6	4/10	4/20/1966	35	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 2/1961	9/12	9/18	9/22	9/25	9/28	10/ 1	10/ 5	10/ 9	10/14	10/27/1963	37	
32	9/ 3/1961	9/20	9/25	9/29	10/ 2	10/ 5	10/ 8	10/12	10/15	10/20	10/31/1963	37	
28	9/17/1965	9/28	10/ 4	10/ 8	10/11	10/15	10/18	10/21	10/25	10/31	11/ 7/1962	37	
24	9/28/1985	10/ 8	10/13	10/17	10/20	10/23	10/27	10/30	11/ 3	11/ 8	11/22/1965	36	
20	10/ 4/1959	10/16	10/22	10/26	10/29	11/ 2	11/ 5	11/ 9	11/13	11/19	11/27/1974	36	
16	10/12/1969	10/29	11/ 3	11/ 6	11/ 9	11/12	11/15	11/18	11/22	11/27	12/ 8/1949	35	

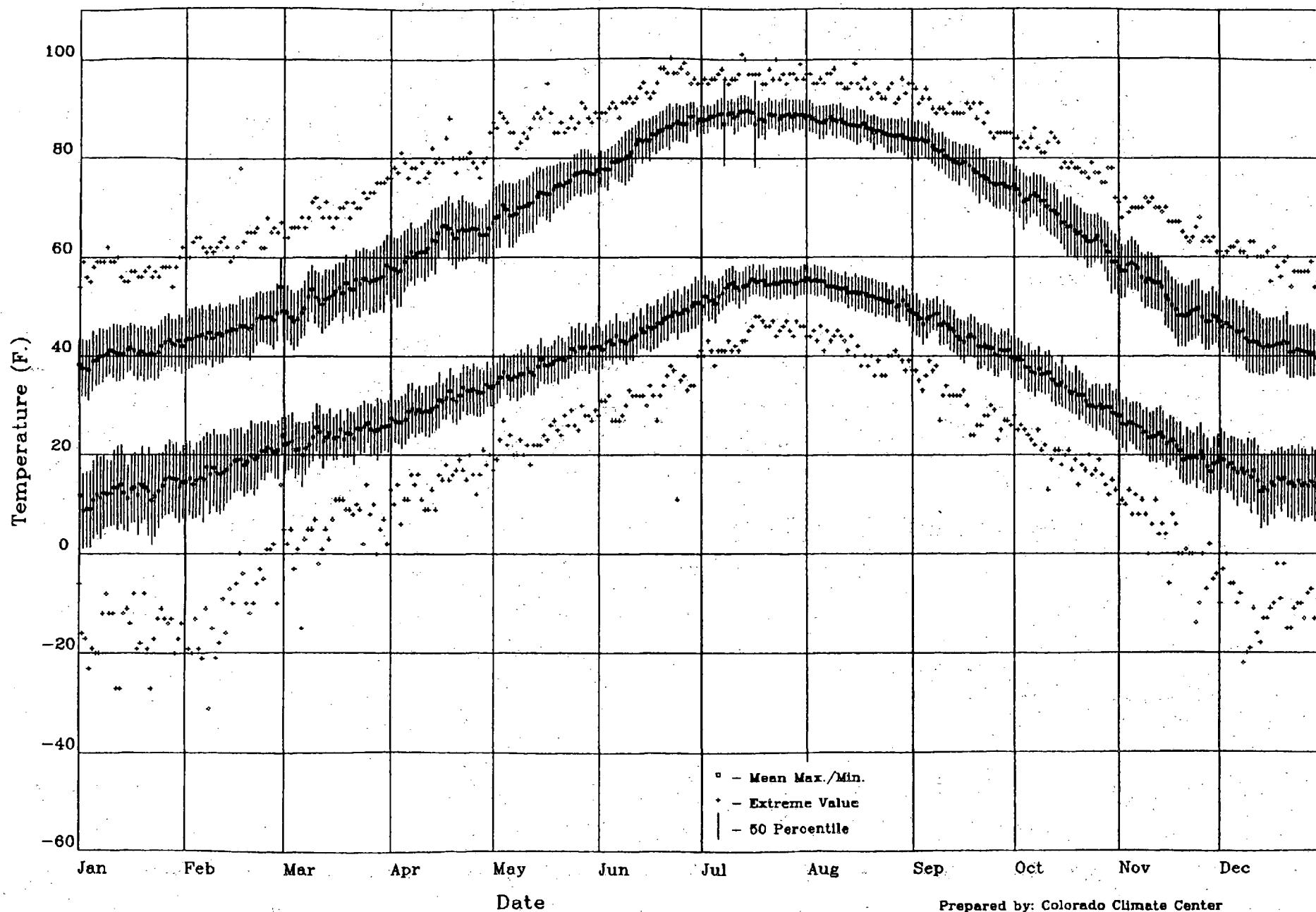
CORTEZ

Record: 58 years ending in 1987

Lat 37 22

Long 108 33

Elev 6210



Prepared by: Colorado Climate Center

Latitude: 37 22 Longitude: 108 33 Elevation: 6210 Period of Record: 59 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	40.7	45.6	52.7	62.9	72.6	83.3	88.5	86.3	78.9	67.2	52.4	42.7	64.5
Std. Dev.	4.0	4.4	4.0	3.9	3.5	2.6	1.9	2.0	3.0	3.8	4.0	4.2	
Mean Min.	12.7	18.0	23.9	30.5	38.3	45.9	54.0	52.7	44.2	33.7	22.4	15.2	32.6
Std. Dev.	4.9	5.5	2.4	2.5	2.2	2.5	1.9	2.1	2.5	2.7	3.1	3.9	
Num. Yrs.	55	57	56	56	56	55	54	55	57	56	56	57	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	714	504	358	138	27	1	1	0	3	73	371	643	2831
55	869	645	511	251	72	4	1	0	12	161	519	797	3842
57	930	701	573	305	101	9	1	0	20	209	579	859	4286
60	1023	785	666	391	159	22	1	0	42	291	668	952	5000
65	1178	925	821	540	291	72	3	6	118	442	818	1107	6321

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	11	95	297	511	456	215	29	0	0	1614
57	0	0	0	5	62	242	449	394	164	14	0	0	1329
60	0	0	0	1	27	165	356	302	96	4	0	0	950
65	0	0	0	0	4	66	204	153	24	0	0	0	451
70	0	0	0	0	0	16	71	39	2	0	0	0	130

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	2	13	65	231	489	740	974	921	648	339	54	4	4480
45	0	1	18	122	340	591	820	766	500	203	13	0	3374
50	0	0	2	47	205	442	665	611	354	95	1	0	2423
55	0	0	0	11	95	297	511	456	215	29	0	0	1614
60	0	0	0	1	27	165	356	302	96	4	0	0	950

Corn GDD	6	23	81	201	353	493	614	586	435	270	76	13	3152
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	64/1964	80	87	92	96	100	105	109	114	121	129/1956	47	
32	96/1957	104	112	117	122	126	130	135	140	148	165/1958	46	
28	109/1939	126	136	143	149	155	161	167	174	184	197/1959	46	
24	144/1955	159	166	171	176	180	184	188	193	201	210/1965	46	
20	161/1984	179	187	192	197	202	206	211	216	224	246/1965	44	
16	184/1970	201	210	216	221	226	231	236	242	251	266/1954	43	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/15/1958	5/25	5/30	6/ 3	6/ 6	6/ 9	6/12	6/15	6/18	6/23	6/29/1941	47	
32	4/29/1959	5/12	5/17	5/21	5/24	5/27	5/30	6/ 2	6/ 6	6/11	6/19/1939	46	
28	4/15/1954	4/22	4/28	5/ 3	5/ 7	5/10	5/14	5/18	5/22	5/29	6/18/1939	46	
24	4/ 5/1952	4/10	4/16	4/20	4/23	4/26	4/29	5/ 2	5/ 6	5/11	5/21/1945	46	
20	3/21/1943	3/29	4/ 4	4/ 7	4/11	4/14	4/17	4/20	4/24	4/29	5/ 8/1984	44	
16	3/ 3/1947	3/11	3/18	3/22	3/26	3/30	4/ 3	4/ 7	4/11	4/18	4/27/1970	43	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	8/21/1964	9/ 4	9/ 8	9/12	9/15	9/17	9/20	9/23	9/26	10/ 1	10/14/1954	47	
32	9/ 9/1941	9/15	9/20	9/24	9/27	9/30	10/ 3	10/ 6	10/10	10/15	10/23/1947	46	
28	9/ 9/1941	9/25	10/ 1	10/ 5	10/ 9	10/12	10/16	10/19	10/24	10/30	11/ 6/1962	46	
24	9/18/1971	10/ 8	10/13	10/17	10/20	10/23	10/26	10/29	11/ 1	11/ 6	11/11/1965	46	
20	10/11/1946	10/19	10/24	10/27	10/29	11/ 1	11/ 4	11/ 6	11/10	11/14	11/27/1965	44	
16	10/11/1946	10/28	11/ 2	11/ 6	11/ 9	11/11	11/14	11/17	11/21	11/25	12/ 9/1954	43	

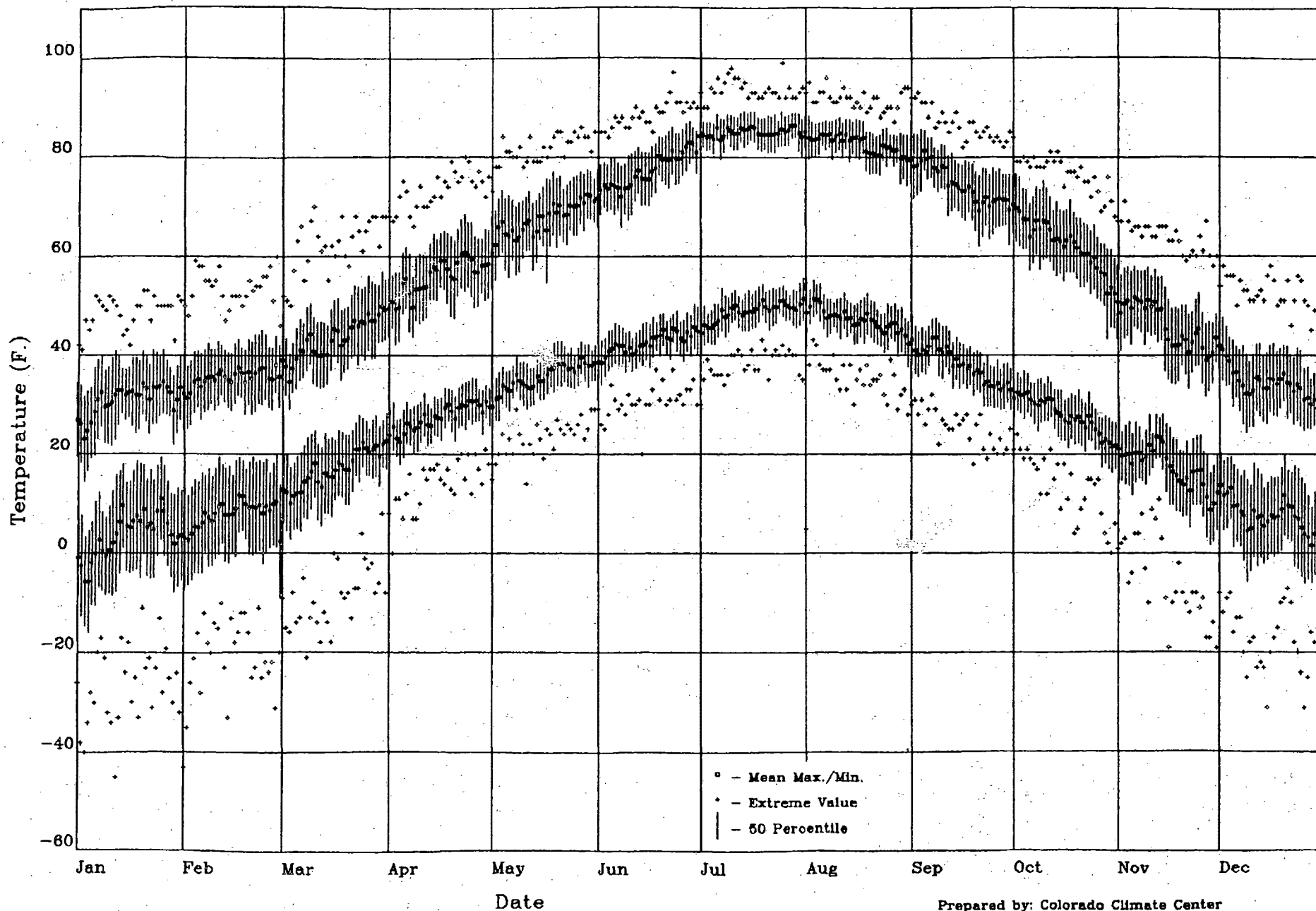
CRAIG

Record: 28 years ending in 1977

Lat 40 32

Long 101 33

Elev 6260



Prepared by: Colorado Climate Center

Latitude: 40 32 Longitude: 101 33 Elevation: 6260

Period of Record: 30 years ending in 1977

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	31.0	35.5	43.3	55.8	67.2	77.2	85.0	82.7	74.6	62.5	46.1	34.3	57.9
Std. Dev.	4.9	5.3	4.5	3.8	3.8	3.3	2.3	2.1	3.9	4.8	5.4	4.5	
Mean Min.	3.6	8.0	17.0	27.5	35.6	42.5	48.8	47.1	38.0	27.8	17.4	7.3	26.7
Std. Dev.	6.2	6.5	4.9	2.2	1.9	2.1	2.0	3.0	2.9	3.3	4.2	4.3	
Num. Yrs.	27	27	27	27	25	27	27	28	27	27	27	27	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	989	787	606	257	65	5	0	0	20	175	539	875	4318
55	1141	928	761	395	143	20	0	2	55	303	688	1027	5463
57	1202	984	823	454	188	34	0	4	81	362	748	1087	5967
60	1293	1068	916	543	265	66	2	10	135	453	838	1178	6767
65	1446	1209	1070	693	412	160	19	47	256	608	987	1329	8235

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	1	40	169	375	316	102	4	0	0	1008
57	0	0	0	0	23	124	314	256	69	2	0	0	787
60	0	0	0	0	8	68	222	169	33	0	0	0	500
65	0	0	0	0	0	15	85	51	5	0	0	0	157
70	0	0	0	0	0	1	13	5	0	0	0	0	19

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	1	19	124	367	588	839	777	495	202	18	1	3431
45	0	0	3	51	230	443	684	623	351	97	2	0	2483
50	0	0	0	13	115	300	530	468	215	32	0	0	1675
55	0	0	0	1	40	169	375	316	102	4	0	0	1008
60	0	0	0	0	8	68	222	169	33	0	0	0	500

Corn GDD	0	3	25	118	270	399	546	512	366	208	42	2	2491
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	21/1949	39	48	54	60	65	70	76	83	92	98/1967	24	
32	46/1962	71	80	86	92	97	103	108	115	124	125/1969	21	
28	77/1962	97	106	113	118	124	129	135	141	151	160/1969	20	
24	87/1976	116	126	134	141	147	153	160	167	178	191/1961	18	
20	106/1976	140	151	159	166	173	179	186	194	205	206/1974	17	
16	124/1962	166	177	185	191	197	203	210	218	228	232/1974	16	

Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/31/1961	6/ 9	6/14	6/17	6/20	6/23	6/25	6/28	7/ 2	7/ 7	7/ 9/1959	24	
32	5/16/1958	5/19	5/25	5/29	6/ 2	6/ 5	6/ 9	6/13	6/17	6/23	7/ 1/1968	21	
28	4/28/1957	5/ 3	5/ 8	5/13	5/16	5/20	5/23	5/27	5/31	6/ 6	6/14/1976	20	
24	4/ 1/1962	4/14	4/21	4/27	5/ 1	5/ 5	5/10	5/14	5/19	5/27	6/14/1976	18	
20	3/27/1969	3/31	4/ 8	4/13	4/18	4/23	4/27	5/ 2	5/ 8	5/16	6/14/1976	17	
16	3/21/1971	3/23	3/29	4/ 2	4/ 5	4/ 9	4/12	4/16	4/20	4/25	5/ 1/1972	16	

Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/21/1949	8/ 6	8/13	8/18	8/23	8/27	8/31	9/ 4	9/10	9/17	9/25/1963	24	
32	8/ 1/1962	8/23	8/30	9/ 3	9/ 7	9/11	9/14	9/18	9/23	9/29	10/ 4/1969	21	
28	8/ 1/1962	8/30	9/ 7	9/12	9/16	9/20	9/24	9/29	10/ 4	10/11	10/15/1960	20	
24	8/ 1/1962	9/ 4	9/13	9/19	9/24	9/29	10/ 4	10/ 9	10/16	10/24	10/29/1972	18	
20	8/ 1/1962	9/13	9/23	9/30	10/ 7	10/12	10/18	10/25	11/ 1	11/11	11/ 6/1974	17	
16	8/ 1/1962	9/23	10/ 3	10/11	10/17	10/23	10/29	11/ 4	11/12	11/22	11/15/1957	16	

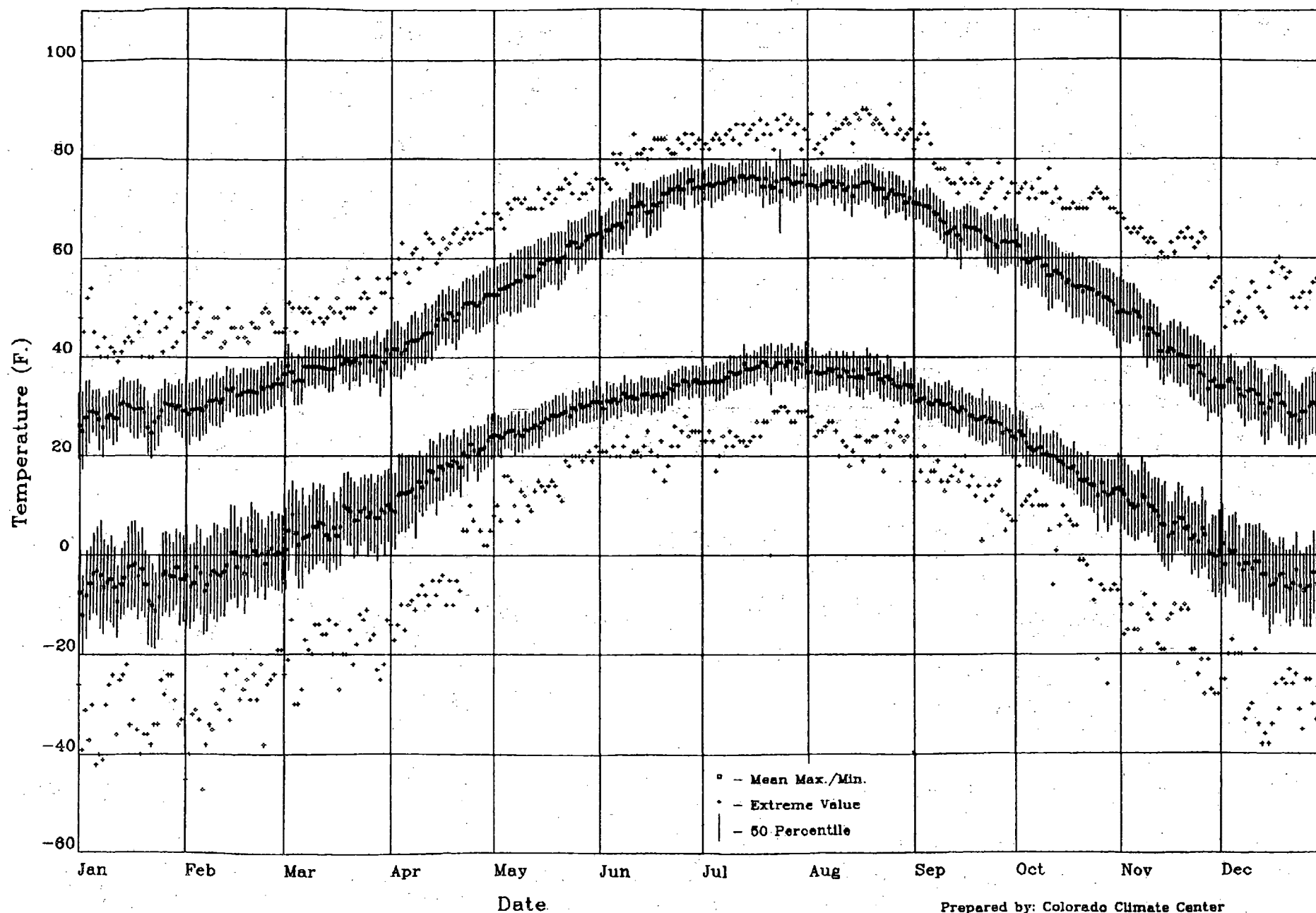
CRESTED BUTTE

Record: 43 years ending in 1987

Lat 38 52

Long 106 59

Elev 8890



Prepared by: Colorado Climate Center

Latitude: 38 52 Longitude: 106 59 Elevation: 8890

Period of Record: 45 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	28.5	32.2	38.5	46.8	58.7	70.3	75.4	74.0	66.3	55.8	42.0	31.2	51.6
Std. Dev.	4.7	3.9	3.6	5.1	4.9	3.9	3.2	3.4	3.9	5.4	5.6	5.4	
Mean Min.	-5.6	-1.8	6.5	17.0	27.2	32.7	37.3	36.2	28.8	18.0	6.7	-3.6	16.6
Std. Dev.	5.4	5.4	5.9	5.7	2.9	2.8	3.2	3.6	3.5	4.7	5.4	5.3	
Num. Yrs.	39	40	41	40	43	41	41	41	40	39	42	42	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1185	971	843	531	219	39	3	7	97	396	761	1105	6155
55	1339	1111	997	679	366	120	26	47	219	549	910	1259	7623
57	1401	1167	1059	738	427	167	51	81	276	611	970	1321	8270
60	1494	1252	1152	828	519	248	113	152	364	703	1060	1413	9297
65	1649	1392	1306	976	673	396	256	297	514	857	1210	1567	11093

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	1	23	75	58	4	0	0	0	161
57	0	0	0	0	1	10	40	30	1	0	0	0	82
60	0	0	0	0	0	1	10	9	0	0	0	0	20
65	0	0	0	0	0	0	0	0	0	0	0	0	1
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	0	17	138	353	507	473	239	41	1	0	1770
45	0	0	0	2	48	211	355	319	113	8	0	0	1056
50	0	0	0	0	8	91	205	172	31	1	0	0	508
55	0	0	0	0	1	23	75	58	4	0	0	0	161
60	0	0	0	0	0	1	10	9	0	0	0	0	20

Corn GDD	0	0	1	31	149	305	388	369	245	117	19	1	1624
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1912	0	2	5	7	9	11	14	17	20	37/1929	38
32	0/1912	1	13	22	29	36	43	50	59	71	83/1926	36
28	0/1920	34	46	54	62	69	75	83	91	103	99/1927	30
24	25/1920	61	76	86	95	103	111	120	130	145	142/1984	26
20	35/1921	85	98	107	115	123	130	138	148	160	158/1918	24
16	73/1920	120	133	141	149	156	163	171	179	192	195/1923	23

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/ 6/1928	7/ 9	7/11	7/12	7/14	7/15	7/16	7/17	7/18	7/20	7/19/1912	38
32	6/ 1/1927	6/18	6/23	6/27	7/ 1	7/ 4	7/ 7	7/10	7/14	7/19	7/19/1912	36
28	5/27/1918	5/30	6/ 5	6/10	6/13	6/17	6/20	6/24	6/28	7/ 4	7/19/1920	30
24	4/27/1928	5/ 4	5/13	5/20	5/25	5/30	6/ 4	6/10	6/16	6/25	7/18/1920	26
20	4/20/1925	4/26	5/ 4	5/ 9	5/14	5/19	5/23	5/28	6/ 3	6/11	7/ 6/1921	24
16	3/31/1927	4/10	4/17	4/22	4/27	5/ 1	5/ 5	5/ 9	5/14	5/21	6/20/1920	23

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1912	7/15	7/18	7/20	7/22	7/24	7/25	7/27	7/29	8/ 1	8/15/1929	38
32	7/19/1912	7/16	7/24	7/30	8/ 4	8/ 9	8/13	8/18	8/24	9/ 2	9/ 6/1929	36
28	7/19/1920	8/ 1	8/ 9	8/15	8/20	8/24	8/29	9/ 3	9/ 9	9/17	9/14/1982	30
24	7/21/1925	8/20	8/27	9/ 1	9/ 6	9/10	9/14	9/19	9/24	10/ 2	10/ 2/1982	26
20	7/21/1925	8/24	9/ 2	9/ 8	9/14	9/19	9/24	9/29	10/ 5	10/14	10/14/1937	24
16	7/21/1925	9/ 5	9/15	9/22	9/28	10/ 4	10/ 9	10/15	10/22	11/ 1	11/12/1923	23

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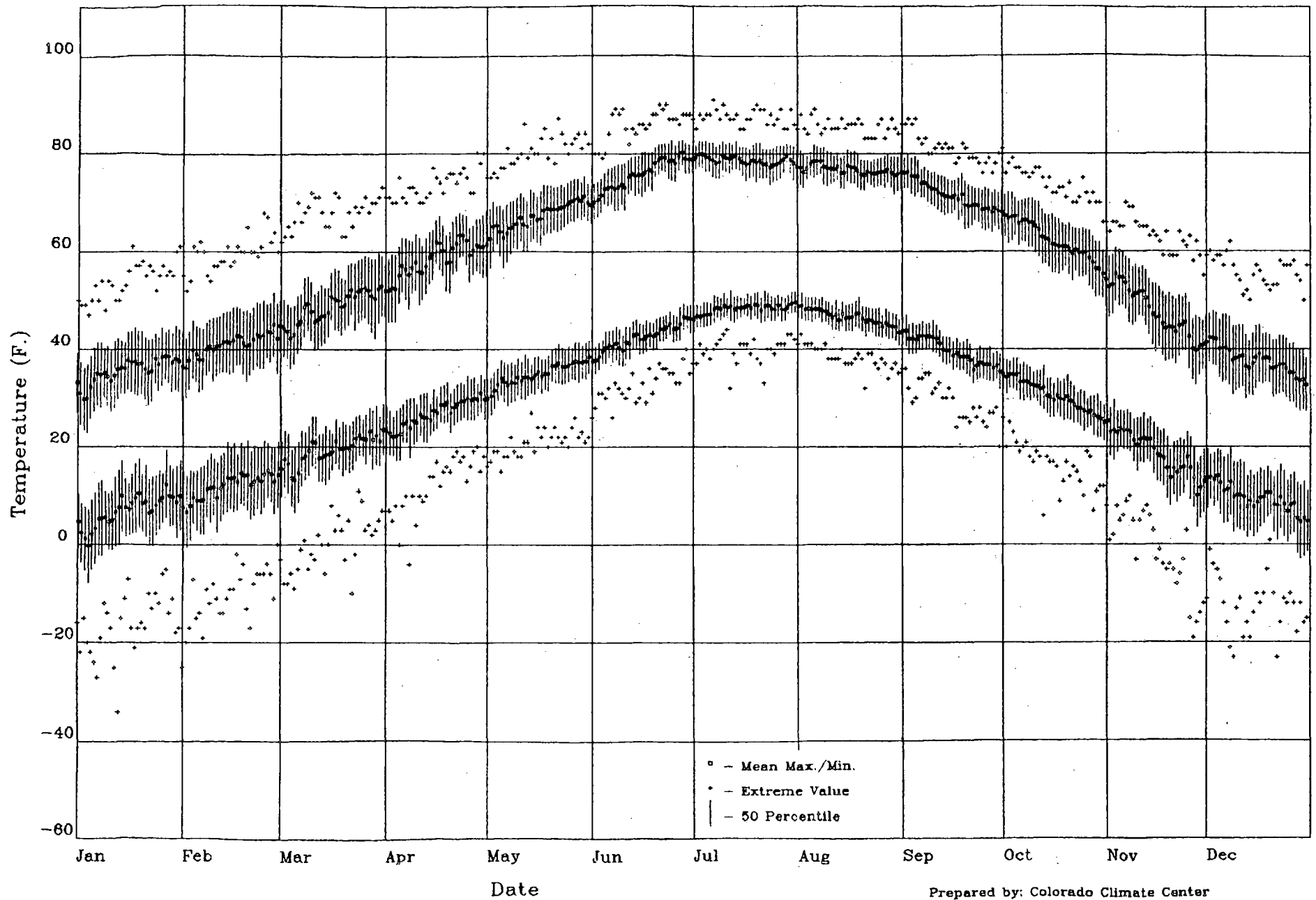
DEL NORTE

Record: 40 years ending in 1987

Lat 37 40

Long 106 21

Elev 7880



Latitude: 37 40 Longitude: 106 21 Elevation: 7880

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	35.6	40.9	48.6	58.3	67.1	75.6	78.6	76.7	71.7	62.4	47.9	37.7	58.4
Std. Dev.	4.8	5.3	4.4	3.3	2.9	2.4	2.1	2.2	2.7	3.8	4.5	5.0	
Mean Min.	6.9	11.9	19.3	26.8	34.9	42.3	48.3	46.6	39.6	30.5	18.8	9.5	28.0
Std. Dev.	4.7	5.0	3.1	2.5	2.6	1.8	1.5	1.9	2.0	2.1	3.2	4.5	
Num. Yrs.	39	38	39	39	39	39	39	38	40	39	40	40	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	881	658	488	226	55	2	0	0	9	132	490	809	3750
55	1036	799	641	364	141	18	0	1	41	259	639	964	4903
57	1098	855	703	423	189	34	1	4	70	319	698	1025	5420
60	1191	940	796	512	273	70	5	18	133	411	788	1118	6254
65	1345	1080	950	661	425	178	60	104	270	565	937	1273	7850

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	1	25	145	270	214	68	3	0	0	725
57	0	0	0	0	11	100	208	155	38	1	0	0	514
60	0	0	0	0	3	47	120	76	11	0	0	0	257
65	0	0	0	0	0	5	20	8	0	0	0	0	34
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	1	3	30	134	351	576	734	678	472	228	27	1	3233
45	0	0	6	52	210	426	579	523	325	110	3	0	2234
50	0	0	0	11	94	278	424	368	184	31	0	0	1391
55	0	0	0	1	25	145	270	214	68	3	0	0	725
60	0	0	0	0	3	47	120	76	11	0	0	0	257

Corn GDD 3 11 49 140 266 384 454 420 322 199 46 5 2298

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	32/1973	64	72	78	83	88	92	97	103	111	116/1963	35
32	71/1955	91	98	103	108	112	116	120	126	133	150/1956	32
28	116/1965	120	127	133	137	141	146	150	156	163	184/1963	31
24	133/1968	147	154	159	163	167	171	176	181	188	194/1981	31
20	153/1971	159	166	172	176	181	185	190	195	203	210/1954	30
16	182/1950	187	194	199	203	207	211	215	220	227	241/1954	28

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/28/1956	6/ 1	6/ 6	6/ 9	6/11	6/14	6/17	6/19	6/23	6/27	7/12/1955	35
32	5/15/1958	5/17	5/22	5/26	5/29	6/ 2	6/ 5	6/ 8	6/12	6/17	7/12/1955	32
28	4/29/1963	5/ 5	5/ 9	5/12	5/15	5/17	5/20	5/23	5/26	5/30	6/ 7/1954	31
24	4/ 5/1985	4/16	4/22	4/25	4/29	5/ 2	5/ 5	5/ 8	5/12	5/17	5/31/1950	31
20	4/ 1/1954	4/ 8	4/14	4/18	4/22	4/25	4/29	5/ 2	5/ 7	5/12	5/25/1950	30
16	3/30/1987	4/ 1	4/ 5	4/ 8	4/11	4/13	4/15	4/18	4/21	4/25	5/ 5/1950	28

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/22/1973	8/24	8/30	9/ 3	9/ 7	9/10	9/13	9/17	9/21	9/27	10/ 4/1963	35
32	8/21/1964	9/ 7	9/12	9/16	9/19	9/21	9/24	9/27	10/ 1	10/ 5	10/13/1956	32
28	9/17/1968	9/21	9/26	9/30	10/ 3	10/ 6	10/ 9	10/12	10/16	10/21	10/30/1963	31
24	9/17/1968	9/30	10/ 6	10/10	10/13	10/16	10/19	10/22	10/26	11/ 1	11/10/1965	31
20	9/30/1985	10/ 7	10/13	10/17	10/20	10/23	10/26	10/30	11/ 2	11/ 8	11/20/1965	30
16	10/19/1984	10/24	10/28	11/ 1	11/ 3	11/ 6	11/ 9	11/12	11/15	11/20	11/28/1954	28

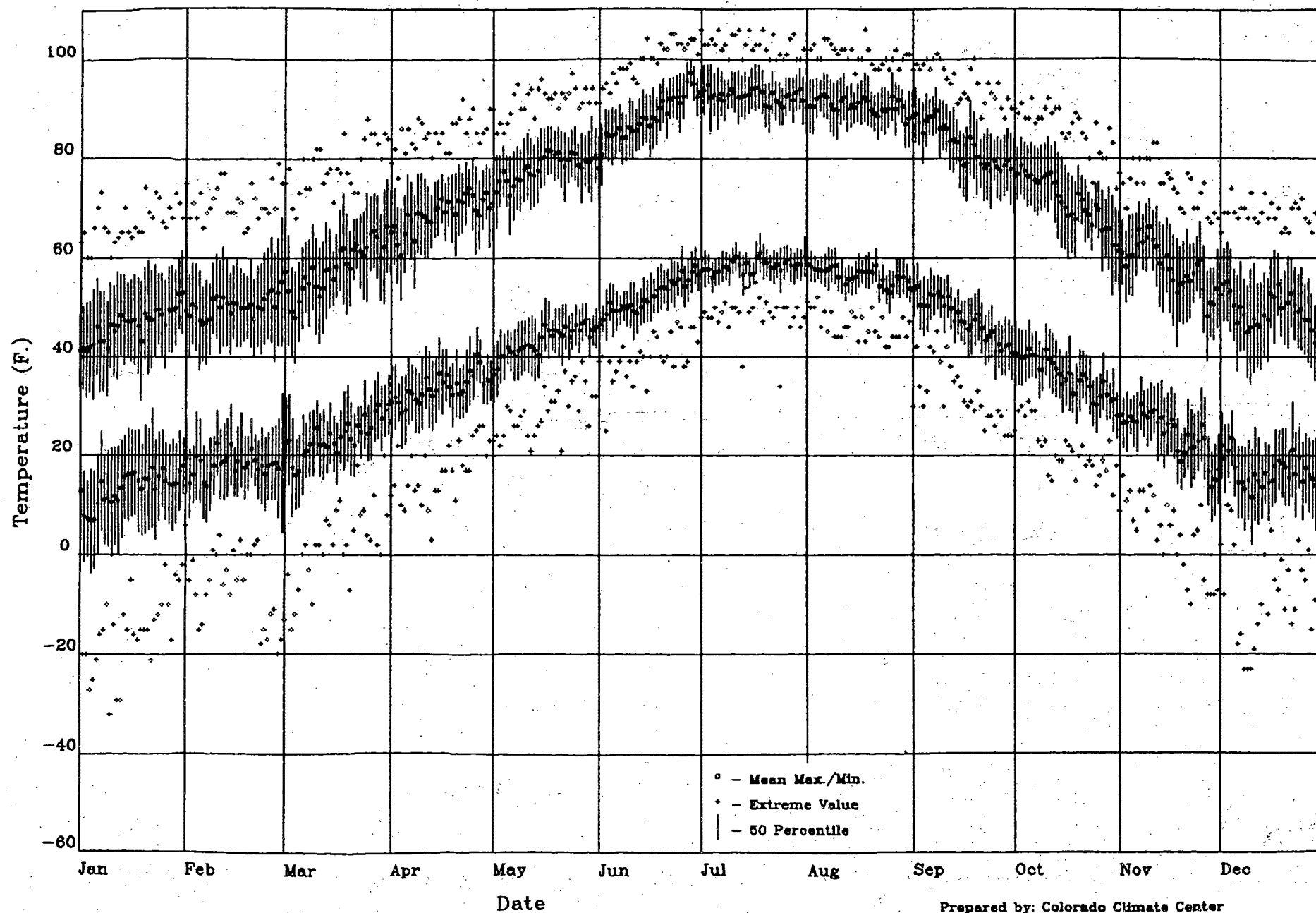
DELHI

Record: 22 years ending in 1981

Lat 37 38

Long 104 1

Elev 5090



Prepared by: Colorado Climate Center

Latitude: 37 38 Longitude: 104 1 Elevation: 5090 Period of Record: 28 years ending in 1981

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	46.5	50.2	58.1	68.9	78.0	88.2	92.8	90.6	82.8	71.8	58.2	48.8	69.6
Std. Dev.	4.8	6.8	5.9	3.5	3.0	3.1	2.5	2.5	2.9	4.7	4.2	4.1	
Mean Min.	13.3	18.2	23.7	33.8	43.5	52.5	58.4	56.4	47.5	35.9	24.7	16.5	35.4
Std. Dev.	5.5	4.1	3.7	3.1	2.1	1.9	1.9	1.8	3.1	3.7	3.9	3.5	
Num. Yrs.	21	21	20	20	20	20	20	21	22	20	21	21	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	618	448	302	83	10	0	0	0	5	55	271	533	2326
55	770	583	435	159	32	1	0	0	15	119	402	685	3202
57	832	639	493	200	47	3	0	0	21	155	459	746	3596
60	925	723	582	269	79	6	0	0	36	219	547	839	4226
65	1080	864	735	402	161	24	1	3	85	347	696	994	5392

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	9	57	217	469	638	574	325	91	5	1	2388
57	0	1	5	38	170	410	577	513	271	66	2	0	2055
60	0	0	2	18	109	324	485	421	197	37	1	0	1593
65	0	0	0	3	37	192	332	270	96	10	0	0	941
70	0	0	0	0	7	89	187	134	33	1	0	0	451

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	37	51	152	359	650	918	1098	1035	758	446	144	43	5691
45	12	20	77	233	497	768	945	882	610	306	68	14	4432
50	3	7	30	129	350	618	791	728	465	183	23	3	3330
55	0	1	9	57	217	469	638	574	325	91	5	1	2388
60	0	0	2	18	109	324	485	421	197	37	1	0	1593

Corn GDD	57	75	165	287	434	565	672	637	492	344	155	66	3949
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	49/1971	86	97	105	112	119	125	132	141	152	164/1963	19
32	116/1975	115	124	130	135	140	145	151	157	165	184/1963	18
28	116/1975	136	145	151	156	161	166	171	177	185	188/1962	18
24	155/1966	165	172	177	181	186	190	194	199	206	219/1962	18
20	175/1977	181	189	194	199	203	208	212	218	225	237/1963	18
16	196/1966	203	212	218	223	228	233	238	244	253	267/1963	16

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	4/26/1977	5/ 7	5/13	5/17	5/20	5/24	5/27	5/31	6/ 4	6/10	6/15/1976	19
32	4/23/1977	4/25	4/30	5/ 4	5/ 8	5/11	5/14	5/18	5/22	5/27	6/ 3/1976	18
28	4/22/1959	4/21	4/27	5/ 1	5/ 4	5/ 7	5/10	5/14	5/18	5/24	6/ 3/1976	18
24	3/26/1969	4/ 6	4/12	4/16	4/20	4/23	4/26	4/30	5/ 4	5/ 9	5/21/1968	18
20	3/20/1963	3/26	3/31	4/ 4	4/ 7	4/10	4/13	4/16	4/20	4/25	4/29/1960	18
16	3/ 7/1963	3/14	3/20	3/24	3/27	3/31	4/ 3	4/ 6	4/10	4/16	4/20/1966	16

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/24/1971	8/25	9/ 3	9/ 9	9/15	9/20	9/25	9/30	10/ 6	10/15	10/31/1963	19
32	9/ 4/1972	9/11	9/17	9/21	9/25	9/29	10/ 2	10/ 6	10/10	10/16	10/31/1963	18
28	9/22/1975	9/28	10/ 4	10/ 8	10/12	10/15	10/19	10/22	10/27	11/ 1	11/ 5/1962	18
24	10/ 8/1970	10/10	10/16	10/19	10/22	10/25	10/28	11/ 1	11/ 4	11/ 9	11/12/1974	18
20	10/11/1977	10/14	10/19	10/24	10/27	10/30	11/ 3	11/ 6	11/10	11/16	11/27/1965	18
16	10/19/1976	10/28	11/ 3	11/ 7	11/10	11/14	11/17	11/20	11/24	11/30	11/30/1964	16

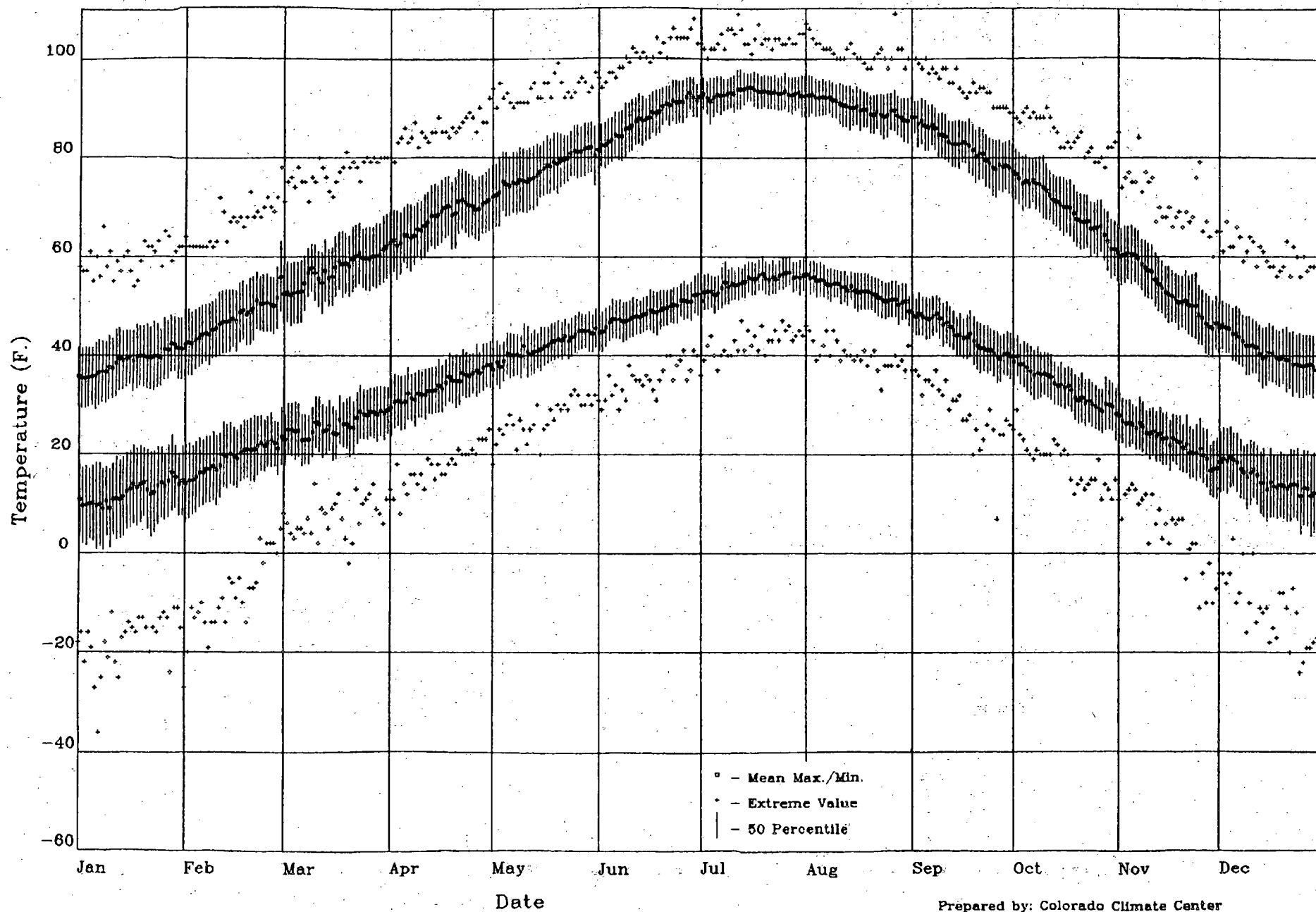
DELTA

Record: 84 years ending in 1987

Lat 38 45

Long 108 4

Elev 4930



Prepared by: Colorado Climate Center

Latitude: 38 45 Longitude: 108 4 Elevation: 4930 Period of Record: 88 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	38.7	47.2	57.3	67.7	77.5	87.9	93.1	90.2	82.6	70.2	53.6	40.8	67.2
Std. Dev.	5.6	5.5	4.2	4.0	3.6	3.0	2.4	2.6	3.2	3.5	4.0	5.0	
Mean Min.	12.2	19.1	26.0	33.9	41.9	48.6	54.9	53.1	44.2	33.6	22.8	15.0	33.8
Std. Dev.	5.8	5.0	3.2	2.7	2.2	2.2	2.2	2.4	2.9	2.9	3.1	4.9	
Num. Yrs.	83	83	82	83	83	82	83	83	84	82	82	80	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	751	469	262	73	8	0	0	0	2	56	349	676	2647
55	906	610	408	157	31	1	0	0	9	132	496	831	3580
57	968	667	469	201	47	2	0	0	15	176	556	893	3992
60	1060	751	561	277	81	6	0	0	30	252	645	986	4651
65	1215	892	716	419	175	27	1	3	87	399	795	1141	5870

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	1	37	184	405	593	522	267	43	0	0	2053
57	0	0	0	21	139	346	531	460	213	25	0	0	1736
60	0	0	0	8	80	261	439	367	139	9	0	0	1302
65	0	0	0	0	19	132	285	216	47	1	0	0	700
70	0	0	0	0	1	42	138	83	7	0	0	0	272

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	4	20	121	335	618	853	1055	987	706	378	66	6	5147
45	0	3	46	206	464	704	901	832	557	238	19	1	3971
50	0	0	11	103	317	554	747	677	410	121	3	0	2942
55	0	0	1	37	184	405	593	522	267	43	0	0	2053
60	0	0	0	8	80	261	439	367	139	9	0	0	1302

Corn GDD 7 36 132 267 423 532 633 605 478 313 90 9 3524

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	75/1974	93	101	106	111	115	120	124	130	138	154/1963	70
32	87/1974	115	123	129	134	139	144	149	155	163	183/1980	65
28	122/1971	144	152	157	162	166	170	175	180	188	208/1962	63
24	144/1971	168	176	182	187	191	196	201	206	214	226/1914	62
20	163/1971	187	195	201	206	211	215	220	226	234	246/1927	60
16	195/1970	213	220	226	230	235	239	244	249	257	269/1962	51

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/ 5/1928	5/11	5/17	5/21	5/25	5/28	5/31	6/ 4	6/ 8	6/14	6/27/1969	70
32	4/ 8/1934	4/26	5/ 2	5/ 6	5/10	5/13	5/16	5/20	5/24	5/30	6/18/1947	65
28	4/ 2/1962	4/13	4/19	4/22	4/25	4/28	5/ 1	5/ 5	5/ 8	5/14	5/19/1971	63
24	3/21/1915	3/30	4/ 4	4/ 8	4/11	4/14	4/17	4/21	4/24	4/30	5/15/1909	62
20	3/13/1915	3/19	3/25	3/29	4/ 2	4/ 5	4/ 9	4/12	4/16	4/22	5/15/1909	60
16	2/ 4/1968	3/ 6	3/12	3/16	3/20	3/23	3/27	3/30	4/ 4	4/10	4/17/1901	51

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	8/23/1974	9/ 8	9/12	9/15	9/18	9/20	9/23	9/25	9/28	10/ 3	10/19/1981	70
32	9/ 4/1974	9/14	9/19	9/23	9/26	9/29	10/ 2	10/ 5	10/ 8	10/13	10/23/1918	65
28	9/18/1971	9/26	10/ 2	10/ 5	10/ 9	10/11	10/14	10/18	10/21	10/26	11/ 3/1950	63
24	9/19/1971	10/ 8	10/13	10/16	10/20	10/23	10/26	10/29	11/ 1	11/ 7	11/15/1983	62
20	9/19/1971	10/18	10/23	10/27	10/30	11/ 2	11/ 5	11/ 8	11/11	11/16	11/23/1927	60
16	10/18/1968	10/30	11/ 4	11/ 7	11/10	11/13	11/16	11/19	11/22	11/27	12/10/1962	51

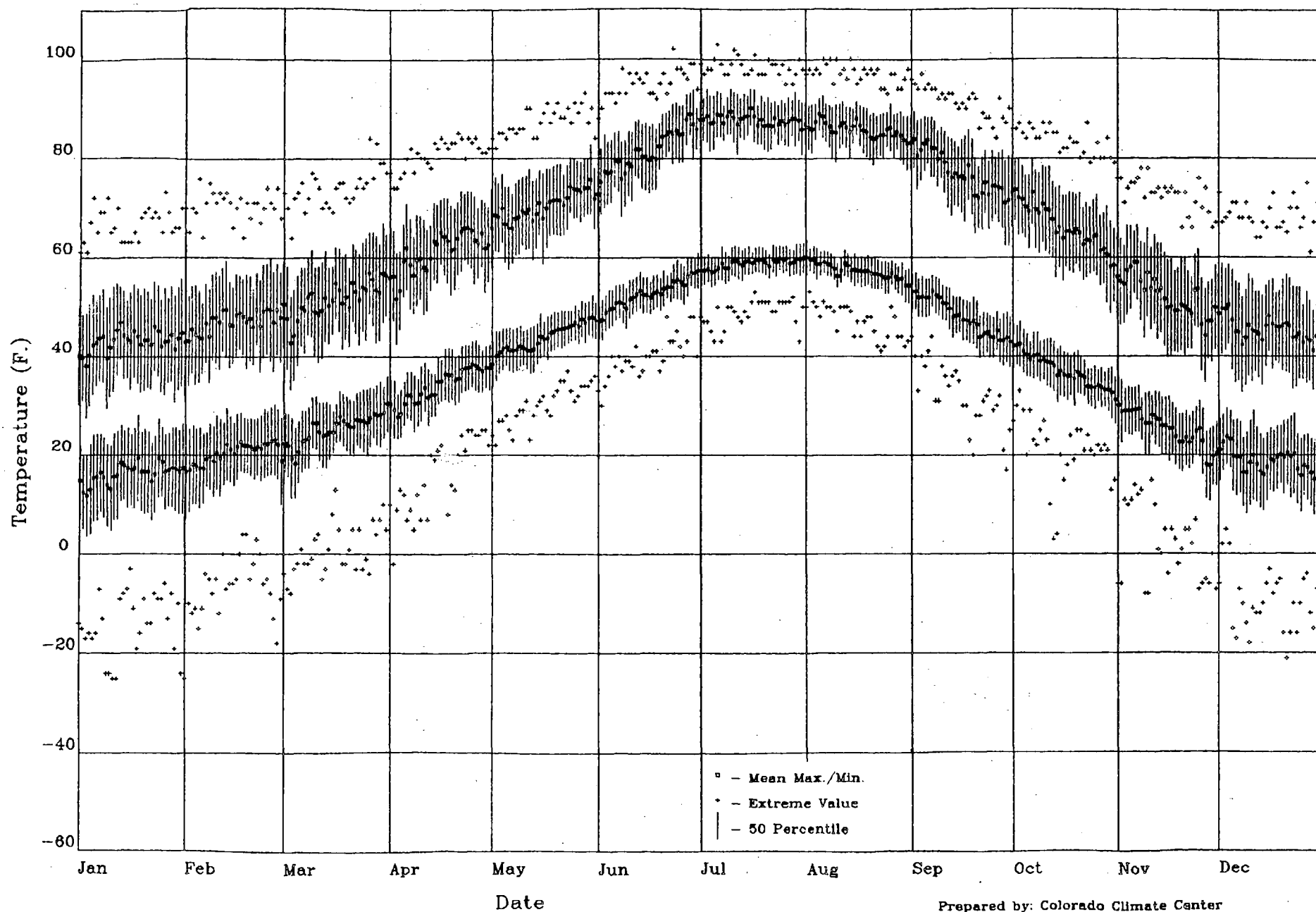
DENVER WSFO AP

Record: 40 years ending in 1987

Lat 39 45

Long 104 52

Elev 5280



Prepared by: Colorado Climate Center

Latitude: 39 45 Longitude: 104 52 Elevation: 5280

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	43.0	47.0	51.5	61.1	70.3	81.3	87.8	85.8	77.3	66.4	52.3	45.4	64.1
Std. Dev.	6.0	5.1	4.9	4.3	3.7	4.0	2.4	2.2	3.6	4.8	4.7	5.0	
Mean Min.	16.2	20.4	25.3	34.1	43.8	52.6	58.8	57.2	48.0	37.0	25.3	18.6	36.4
Std. Dev.	5.2	3.8	3.3	3.1	2.4	2.7	2.1	1.9	2.8	2.8	2.9	4.1	
Num. Yrs.	39	39	39	39	39	39	39	40	40	40	40	40	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	625	456	365	146	28	2	0	0	13	84	343	552	2615
55	779	594	509	247	68	7	0	0	30	159	480	706	3579
57	841	650	569	295	93	11	1	0	41	199	539	767	4007
60	934	735	661	374	142	22	1	1	63	269	629	860	4691
65	1089	876	816	516	253	60	5	8	125	407	779	1015	5949

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	3	32	139	373	574	520	266	64	1	0	1974
57	0	0	2	20	102	317	513	458	217	42	0	0	1671
60	0	0	0	9	58	237	421	366	150	19	0	0	1260
65	0	0	0	1	14	125	270	217	62	2	0	0	691
70	0	0	0	0	2	46	131	90	14	0	0	0	283

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	31	50	109	272	539	816	1039	985	689	387	112	41	5068
45	9	17	47	163	390	666	884	830	542	256	49	12	3863
50	1	4	15	81	254	517	729	675	399	144	14	2	2836
55	0	0	3	32	139	373	574	520	266	64	1	0	1974
60	0	0	0	9	58	237	421	366	150	19	0	0	1260

Corn GDD 40 55 99 191 325 503 664 631 429 268 103 50 3359

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	107/1971	112	119	125	130	134	139	143	149	156	169/1980	38
32	111/1951	131	140	147	152	158	163	169	175	185	200/1981	38
28	125/1983	160	167	172	176	180	184	188	193	200	204/1965	38
24	165/1971	177	186	191	196	201	206	211	216	224	241/1958	38
20	183/1985	197	205	211	215	220	224	229	235	242	250/1984	38
16	201/1969	211	219	225	230	235	240	245	251	260	266/1984	36

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	4/21/1977	5/ 1	5/ 6	5/10	5/13	5/16	5/18	5/21	5/25	5/30	6/13/1969	38
32	4/ 5/1977	4/14	4/20	4/25	4/28	5/ 2	5/ 5	5/ 9	5/14	5/20	6/ 2/1951	38
28	4/ 3/1976	4/ 7	4/12	4/16	4/19	4/22	4/25	4/28	5/ 2	5/ 7	5/18/1983	38
24	3/ 8/1981	3/24	3/29	4/ 3	4/ 6	4/10	4/13	4/17	4/21	4/27	5/12/1953	38
20	3/ 8/1967	3/14	3/19	3/23	3/26	3/29	4/ 1	4/ 4	4/ 8	4/14	4/21/1982	38
16	3/ 4/1985	3/ 9	3/15	3/19	3/22	3/26	3/29	4/ 1	4/ 5	4/11	4/20/1966	36

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/ 3/1961	9/12	9/17	9/21	9/24	9/27	9/30	10/ 3	10/ 6	10/11	10/27/1963	38
32	9/ 8/1962	9/20	9/26	9/30	10/ 3	10/ 7	10/10	10/14	10/18	10/24	10/30/1974	38
28	9/18/1971	10/ 4	10/10	10/13	10/16	10/19	10/22	10/25	10/29	11/ 3	11/ 7/1953	38
24	9/18/1971	10/10	10/16	10/21	10/24	10/28	10/31	11/ 4	11/ 8	11/14	11/18/1953	38
20	9/19/1971	10/16	10/23	10/27	10/31	11/ 4	11/ 8	11/12	11/16	11/23	12/ 4/1949	38
16	10/12/1969	10/31	11/ 5	11/ 9	11/13	11/16	11/19	11/22	11/26	12/ 2	12/15/1965	36

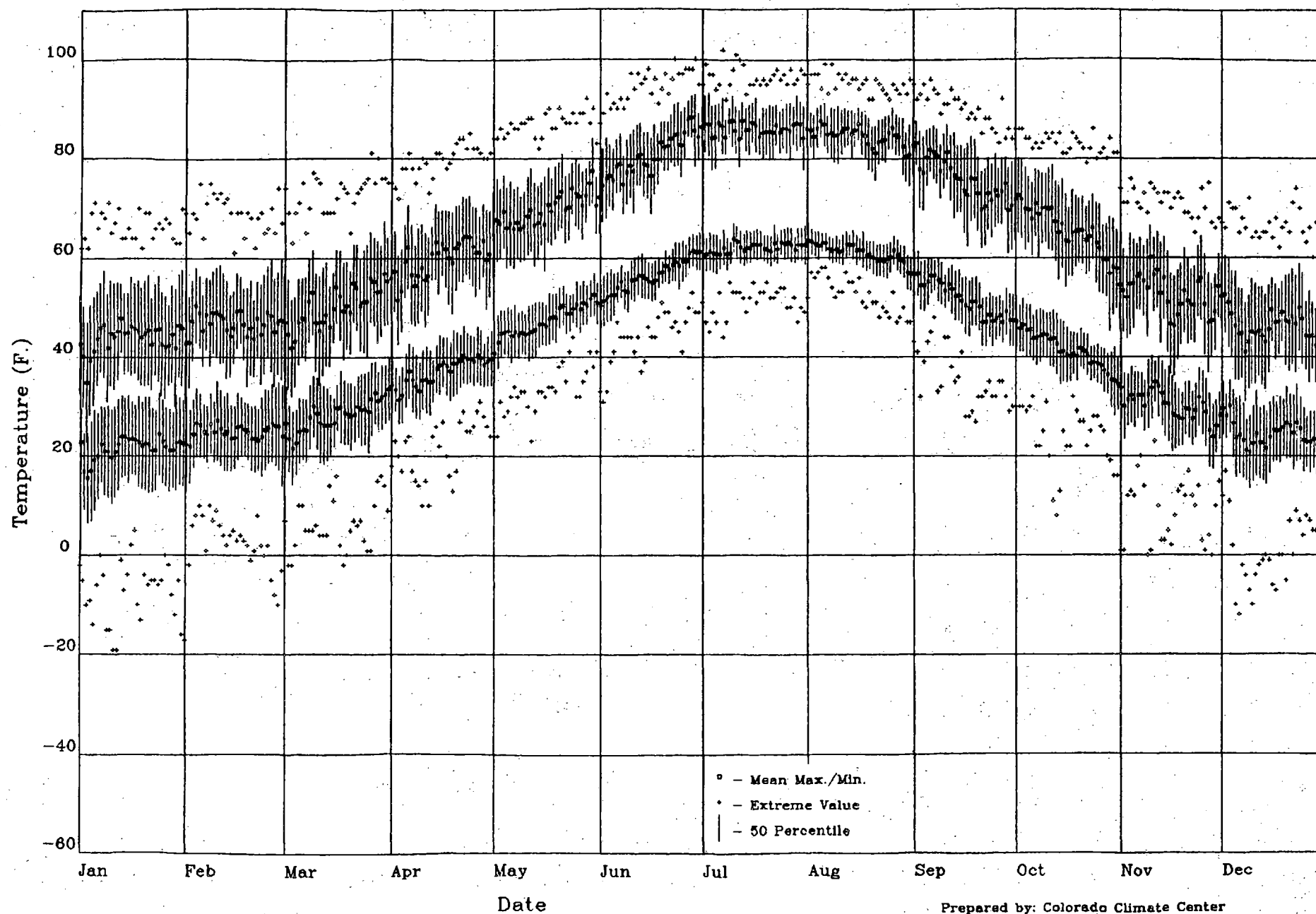
DENVER CITY

Record: 28 years ending in 1974

Lat 39 45

Long 104 58

Elev 5320



Latitude: 39 45 Longitude: 104 59 Elevation: 5320

Period of Record: 27 years ending in 1974

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	43.8	47.0	50.2	59.8	69.6	80.4	86.2	84.6	75.9	65.8	52.7	46.2	63.5
Std. Dev.	5.2	5.7	5.2	4.1	3.4	4.1	2.7	2.2	3.8	5.3	4.5	3.9	
Mean Min.	21.5	25.0	28.2	37.1	47.3	56.4	62.1	61.0	51.6	41.3	30.2	24.2	40.5
Std. Dev.	5.1	4.5	4.0	3.1	2.5	2.6	2.2	1.6	3.1	3.4	3.4	3.4	
Num. Yrs.	26	26	26	25	25	25	24	26	26	26	26	25	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	530	398	355	143	28	2	0	0	14	75	276	459	2279
55	679	530	489	237	64	7	1	0	31	138	402	609	3187
57	740	585	548	282	86	11	1	0	41	171	458	671	3594
60	832	668	637	356	129	20	2	1	62	230	546	763	4247
65	985	807	791	493	227	52	7	7	116	354	694	918	5453

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	1	3	8	47	177	416	601	556	300	101	6	1	2216
57	0	1	5	32	137	360	539	495	250	72	2	1	1895
60	0	0	1	15	87	279	448	403	182	39	0	0	1456
65	0	0	0	2	31	161	298	255	86	8	0	0	842
70	0	0	0	0	7	71	160	123	25	1	0	0	385

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	65	74	137	296	580	859	1065	1020	720	443	155	70	5486
45	24	31	69	186	433	710	910	865	574	310	77	27	4217
50	6	10	28	102	296	561	755	711	433	193	28	6	3128
55	1	3	8	47	177	416	601	556	300	101	6	1	2216
60	0	0	1	15	87	279	448	403	182	39	0	0	1456

Corn GDD 48 53 92 178 333 540 705 675 444 266 103 54 3490

Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	110/1951	120	129	135	140	145	150	155	161	170	187/1963	24	
32	111/1951	135	145	152	158	163	169	174	181	191	192/1962	24	
28	156/1966	172	179	184	189	193	197	202	207	214	229/1963	24	
24	184/1954	187	196	203	209	215	221	227	234	243	263/1965	24	
20	200/1969	208	217	223	228	233	238	243	250	258	268/1963	24	
16	201/1969	212	223	230	236	242	248	254	261	271	283/1962	24	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/23/1952	4/26	5/ 1	5/ 4	5/ 7	5/10	5/13	5/16	5/19	5/24	6/ 3/1951	24	
32	4/15/1949	4/18	4/23	4/27	4/30	5/ 3	5/ 6	5/ 9	5/13	5/18	6/ 2/1951	24	
28	3/17/1963	3/28	4/ 4	4/ 8	4/12	4/16	4/19	4/23	4/28	5/ 4	5/12/1953	24	
24	3/ 8/1967	3/17	3/24	3/29	4/ 2	4/ 6	4/10	4/14	4/19	4/26	5/12/1953	24	
20	3/ 6/1961	3/10	3/16	3/20	3/23	3/27	3/30	4/ 2	4/ 6	4/12	4/20/1966	24	
16	3/ 4/1960	3/ 6	3/11	3/15	3/19	3/22	3/26	3/29	4/ 2	4/ 8	4/19/1966	24	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 3/1961	9/14	9/20	9/25	9/29	10/ 2	10/ 6	10/ 9	10/14	10/20	10/27/1963	24	
32	9/ 3/1961	9/21	9/28	10/ 4	10/ 9	10/13	10/18	10/22	10/28	11/ 5	11/ 7/1962	24	
28	9/16/1965	10/ 5	10/12	10/17	10/21	10/26	10/30	11/ 3	11/ 8	11/15	11/18/1953	24	
24	10/ 7/1970	10/19	10/25	10/30	11/ 3	11/ 7	11/11	11/15	11/20	11/26	12/14/1965	24	
20	10/11/1969	10/27	11/ 2	11/ 7	11/11	11/15	11/18	11/22	11/27	12/ 4	12/14/1965	24	
16	10/12/1969	10/28	11/ 5	11/10	11/15	11/19	11/24	11/28	12/ 4	12/11	12/22/1962	24	

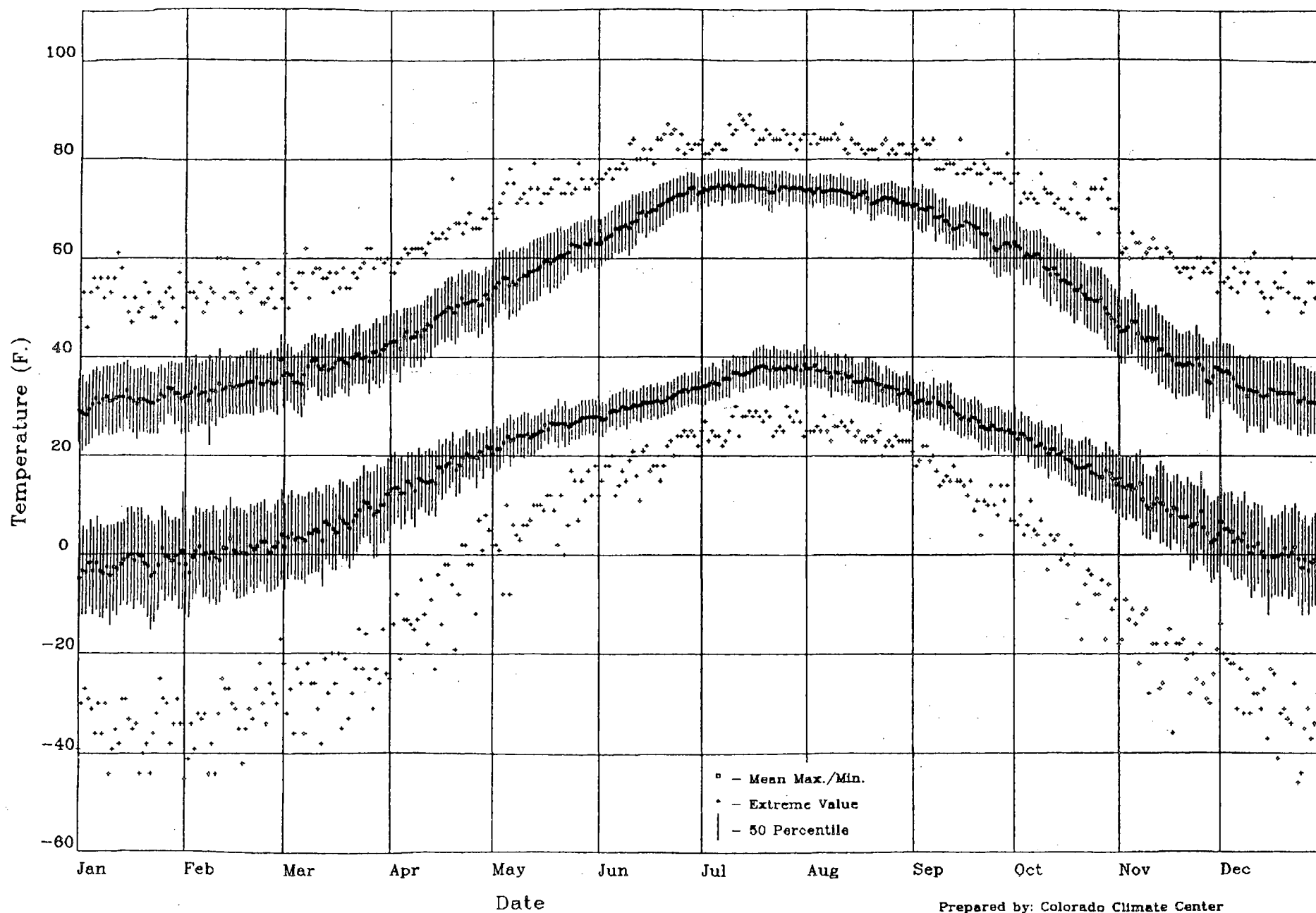
DILLON 1 E

Record: 78 years ending in 1987

Lat 39 38

Long 106 2

Elev 9070



Prepared by: Colorado Climate Center

Latitude: 39 38 Longitude: 106 2 Elevation: 9070

Period of Record: 79 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	31.2	33.9	38.6	47.7	58.7	68.9	74.2	72.6	66.4	55.6	41.2	33.0	51.8
Std. Dev.	3.9	4.0	3.5	4.0	3.5	2.8	2.1	2.2	3.2	4.2	3.8	4.2	
Mean Min.	-1.9	0.6	6.3	16.9	25.2	30.8	36.7	35.4	28.3	19.7	9.2	0.7	17.3
Std. Dev.	5.4	5.1	5.1	3.3	3.1	2.4	3.8	3.4	3.1	3.1	4.7	5.5	
Num. Yrs.	75	76	76	76	78	77	78	76	76	75	77	77	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1081	915	839	520	245	58	2	6	100	376	734	1016	5892
55	1235	1056	993	669	396	157	31	57	223	529	883	1170	7401
57	1297	1112	1055	728	458	210	66	101	280	591	943	1232	8074
60	1389	1197	1147	818	551	297	141	183	369	683	1033	1324	9132
65	1543	1338	1301	967	705	446	291	335	518	838	1182	1479	10943

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	10	53	33	3	0	0	0	100
57	0	0	0	0	0	4	26	15	1	0	0	0	45
60	0	0	0	0	0	1	8	4	0	0	0	0	13
65	0	0	0	0	0	0	3	1	0	0	0	0	4
70	0	0	0	0	0	0	1	0	0	0	0	0	1

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	1	13	115	305	486	441	236	53	1	0	1653
45	0	0	0	1	33	167	332	286	110	10	0	0	939
50	0	0	0	0	3	61	179	137	28	2	0	0	411
55	0	0	0	0	0	10	53	33	3	0	0	0	100
60	0	0	0	0	0	1	8	4	0	0	0	0	13

Corn GDD 1 1 5 40 150 284 377 351 249 118 13 1 1590

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1911	0	0	2	4	6	8	10	12	15	33/1963	77
32	0/1915	0	7	14	19	24	30	35	42	51	97/1963	75
28	0/1924	24	35	43	50	56	63	69	77	88	120/1963	73
24	16/1924	59	69	76	82	88	93	99	106	116	154/1963	72
20	81/1916	92	102	109	115	121	127	133	140	150	190/1963	69
16	91/1947	116	126	133	140	145	151	157	165	175	196/1981	66

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	6/27/1963	7/12	7/13	7/14	7/15	7/16	7/17	7/18	7/20	7/21	7/19/1911	77
32	6/12/1974	6/27	7/1	7/4	7/7	7/9	7/11	7/14	7/17	7/21	7/19/1915	75
28	5/28/1977	6/11	6/16	6/20	6/23	6/27	6/30	7/3	7/7	7/12	7/19/1924	73
24	5/13/1963	5/26	6/1	6/5	6/9	6/12	6/15	6/19	6/23	6/29	7/12/1913	72
20	4/22/1987	5/4	5/11	5/16	5/20	5/24	5/28	6/1	6/6	6/12	6/23/1916	69
16	4/6/1981	4/20	4/27	5/2	5/6	5/10	5/14	5/18	5/23	5/30	6/19/1939	66

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1911	7/16	7/18	7/20	7/21	7/22	7/23	7/25	7/26	7/28	8/10/1984	77
32	7/19/1915	7/14	7/21	7/25	7/29	8/2	8/6	8/10	8/15	8/22	9/25/1963	75
28	7/19/1924	7/31	8/7	8/13	8/17	8/22	8/26	8/31	9/5	9/13	9/29/1963	73
24	7/22/1924	8/20	8/26	8/31	9/4	9/8	9/11	9/15	9/20	9/26	10/14/1963	72
20	8/23/1928	9/7	9/12	9/16	9/19	9/22	9/24	9/27	10/1	10/6	11/1/1963	69
16	9/10/1946	9/16	9/22	9/26	9/29	10/3	10/6	10/10	10/14	10/20	11/7/1962	66

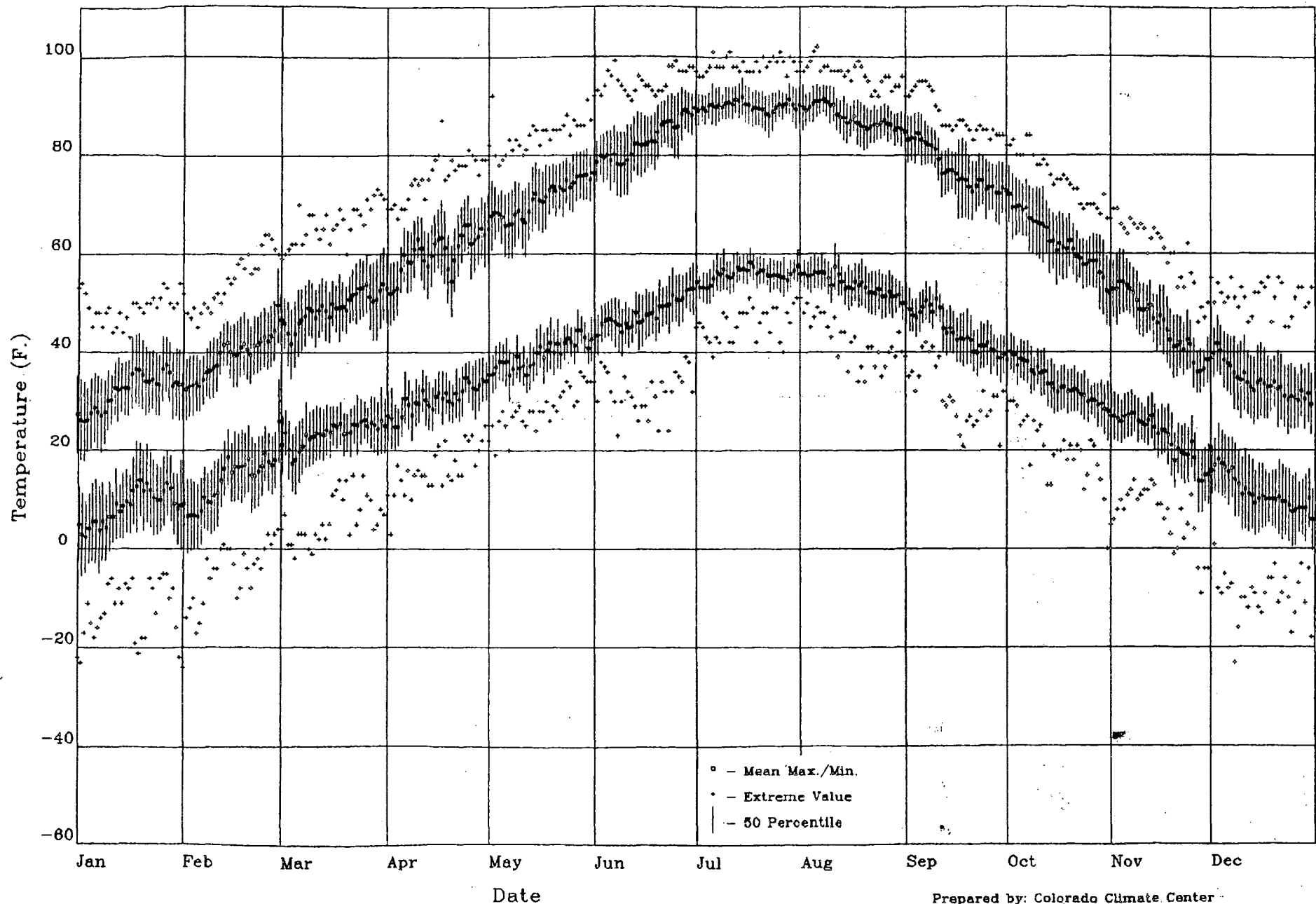
DINOSAUR NATL MONUMENT

Record: 23 years ending in 1987

Lat 40 14

Long 108 58

Elev 5920



Latitude: 40 14 Longitude: 108 58 Elevation: 5920

Period of Record: 23 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	32.0	38.8	49.0	60.0	70.9	82.7	89.9	87.8	77.5	63.0	45.9	34.1	61.0
Std. Dev.	6.6	5.6	4.6	4.7	3.4	4.7	2.3	2.9	4.0	4.4	3.9	6.0	
Mean Min.	8.6	13.7	23.5	30.4	39.5	47.8	55.7	53.7	44.4	33.7	22.6	11.6	32.1
Std. Dev.	6.4	6.0	3.7	2.6	2.1	3.8	2.0	3.4	2.4	2.4	3.0	5.2	
Num. Yrs.	21	22	22	22	22	23	22	23	23	23	22	23	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	914	664	422	177	35	2	0	0	12	120	465	829	3639
55	1069	805	574	297	85	9	0	0	31	223	615	983	4692
57	1131	861	636	352	115	17	0	1	44	273	675	1044	5149
60	1224	946	729	438	173	34	0	2	72	356	765	1136	5874
65	1379	1087	884	586	301	83	1	12	149	509	915	1290	7195

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	11	97	326	554	496	216	25	0	0	1725
57	0	0	0	5	66	273	493	434	169	13	0	0	1454
60	0	0	0	1	31	200	401	343	106	3	0	0	1086
65	0	0	0	0	4	99	249	197	34	0	0	0	584
70	0	0	0	0	0	33	111	78	7	0	0	0	229

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	5	52	199	479	766	1014	960	635	289	40	1	4439
45	0	1	16	101	333	617	861	805	488	166	8	0	3395
50	0	0	3	39	203	468	708	650	346	76	1	0	2494
55	0	0	0	11	97	326	554	496	216	25	0	0	1725
60	0	0	0	1	31	200	401	343	106	3	0	0	1086

Corn GDD	1	7	50	163	326	488	634	607	418	213	36	2	2944
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	75/1973	80	88	93	98	102	107	111	117	125	135/1972	19	
32	83/1966	97	105	112	117	122	127	132	139	147	162/1972	18	
28	111/1975	120	130	137	143	149	155	161	169	179	182/1980	18	
24	114/1966	145	158	166	174	181	188	195	204	216	211/1977	16	
20	171/1966	182	190	195	200	204	208	213	218	226	228/1981	15	
16	203/1978	202	209	214	219	223	227	231	236	243	254/1984	15	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	5/14/1972	5/19	5/25	5/29	6/ 2	6/ 5	6/ 9	6/12	6/16	6/22	6/27/1966	19	
32	5/ 8/1984	5/ 7	5/14	5/19	5/23	5/27	5/31	6/ 4	6/ 9	6/16	6/24/1966	18	
28	4/17/1980	4/16	4/25	5/ 1	5/ 7	5/12	5/17	5/22	5/29	6/ 6	6/23/1966	18	
24	4/ 4/1977	3/25	4/ 4	4/12	4/19	4/25	5/ 1	5/ 7	5/15	5/26	6/23/1966	16	
20	3/30/1972	3/31	4/ 4	4/ 8	4/10	4/13	4/15	4/18	4/21	4/25	4/28/1984	15	
16	3/ 9/1984	3/20	3/25	3/28	3/31	4/ 3	4/ 6	4/ 9	4/12	4/17	4/22/1978	15	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	8/15/1978	8/31	9/ 5	9/ 9	9/13	9/16	9/19	9/22	9/26	10/ 2	10/ 2/1969	19	
32	9/12/1974	9/13	9/17	9/21	9/24	9/26	9/29	10/ 2	10/ 5	10/10	10/21/1972	18	
28	9/18/1971	9/24	9/29	10/ 2	10/ 5	10/ 8	10/11	10/14	10/18	10/23	10/29/1972	18	
24	9/29/1985	10/ 9	10/14	10/17	10/20	10/23	10/25	10/28	10/31	11/ 5	11/ 9/1983	16	
20	10/15/1966	10/18	10/23	10/27	10/30	11/ 3	11/ 6	11/ 9	11/13	11/19	11/24/1974	15	
16	10/24/1975	11/ 1	11/ 4	11/ 7	11/10	11/12	11/14	11/17	11/19	11/23	11/27/1974	15	

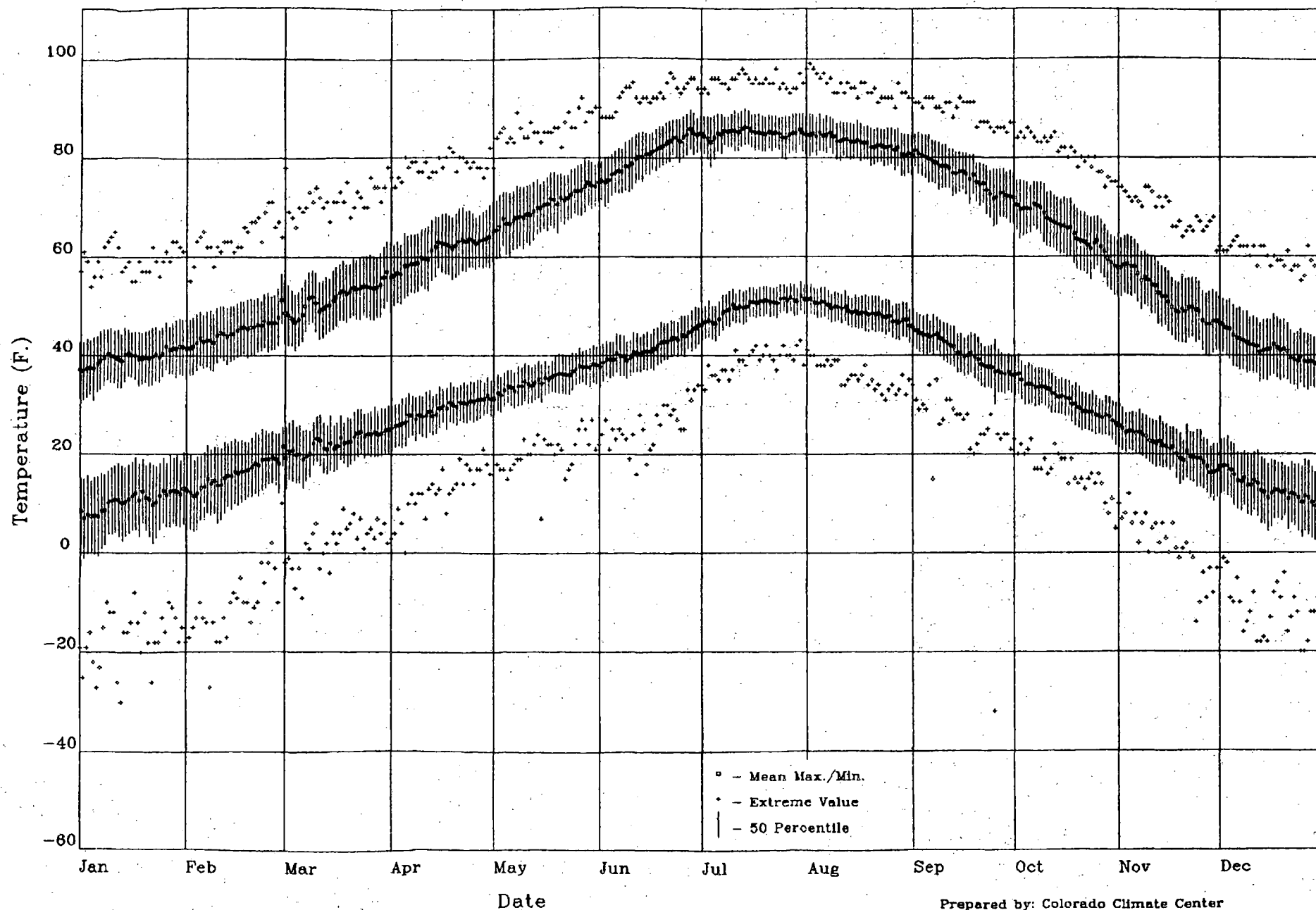
DURANGO

Record: 88 years ending in 1987

Lat 37 17

Long 107 53

Elev 6600



Prepared by: Colorado Climate Center

Latitude: 37 17 Longitude: 107 53 Elevation: 6600 Period of Record: 88 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	39.6	44.6	51.6	61.0	70.1	80.5	84.9	83.1	76.4	65.6	52.0	41.4	62.6
Std. Dev.	4.4	4.8	4.4	3.9	3.8	3.2	3.1	2.8	3.3	4.3	4.7	5.0	
Mean Min.	10.4	15.9	22.3	28.9	35.2	41.6	49.9	48.8	40.5	31.0	21.3	13.0	29.9
Std. Dev.	4.8	4.9	3.3	3.0	2.5	3.0	2.2	2.6	2.8	2.3	3.0	3.8	
Num. Yrs.	86	87	87	87	87	88	84	88	85	85	87	86	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	753	544	391	163	38	1	0	0	5	95	387	688	3066
55	904	683	542	294	105	11	0	0	23	204	534	841	4143
57	965	739	603	352	146	21	0	0	40	259	593	902	4620
60	1056	823	695	440	222	47	2	3	79	346	682	994	5389
65	1208	963	847	589	369	130	15	28	190	497	829	1146	6813

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	2	42	197	385	342	133	9	0	0	1109
57	0	0	0	1	22	147	324	281	90	3	0	0	868
60	0	0	0	0	6	85	234	191	41	0	0	0	559
65	0	0	0	0	0	20	96	64	5	0	0	0	186
70	0	0	0	0	0	2	15	7	0	0	0	0	23

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	1	5	44	180	396	630	841	801	551	268	40	2	3758
45	0	0	10	78	252	482	689	648	405	142	7	0	2713
50	0	0	1	20	127	336	537	495	262	51	0	0	1829
55	0	0	0	2	42	197	385	342	133	9	0	0	1109
60	0	0	0	0	6	85	234	191	41	0	0	0	559

Corn GDD	6	18	70	174	308	445	537	514	390	240	77	12	2792
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	37/1900	62	69	75	79	84	88	93	98	106	114/1904	61
32	70/1944	85	93	99	104	108	113	118	123	131	149/1976	58
28	104/1923	117	124	130	134	139	143	148	153	161	174/1906	51
24	112/1937	140	150	156	162	167	173	178	185	194	203/1907	48
20	145/1983	163	173	180	186	191	197	203	210	219	233/1986	46
16	155/1983	190	200	206	212	218	223	229	236	245	252/1907	43

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/23/1986	6/ 6	6/10	6/14	6/16	6/19	6/22	6/24	6/28	7/ 2	7/ 9/1955	61
32	5/ 2/1976	5/18	5/24	5/28	6/ 1	6/ 4	6/ 8	6/11	6/16	6/22	6/26/1965	58
28	4/20/1941	4/29	5/ 5	5/ 9	5/13	5/16	5/20	5/24	5/28	6/ 3	6/18/1939	51
24	3/31/1985	4/11	4/17	4/22	4/26	4/30	5/ 4	5/ 8	5/13	5/19	6/ 8/1950	48
20	3/19/1986	3/27	4/ 3	4/ 8	4/12	4/15	4/19	4/23	4/28	5/ 4	5/15/1930	46
16	3/ 9/1967	3/14	3/20	3/24	3/28	4/ 1	4/ 4	4/ 8	4/12	4/18	5/15/1930	43

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	8/11/1900	8/27	9/ 1	9/ 5	9/ 8	9/11	9/14	9/17	9/21	9/26	9/29/1935	61
32	8/23/1900	9/ 6	9/11	9/15	9/17	9/20	9/23	9/26	9/29	10/ 4	10/15/1933	58
28	9/ 7/1983	9/18	9/23	9/27	9/30	10/ 2	10/ 5	10/ 8	10/12	10/16	10/22/1906	51
24	9/ 7/1983	9/28	10/ 3	10/ 7	10/11	10/14	10/18	10/21	10/25	10/31	11/11/1907	48
20	9/ 7/1983	10/ 5	10/11	10/16	10/20	10/24	10/28	11/ 1	11/ 5	11/12	11/22/1965	46
16	9/ 7/1983	10/16	10/23	10/27	10/31	11/ 4	11/ 8	11/12	11/17	11/23	12/ 2/1933	43

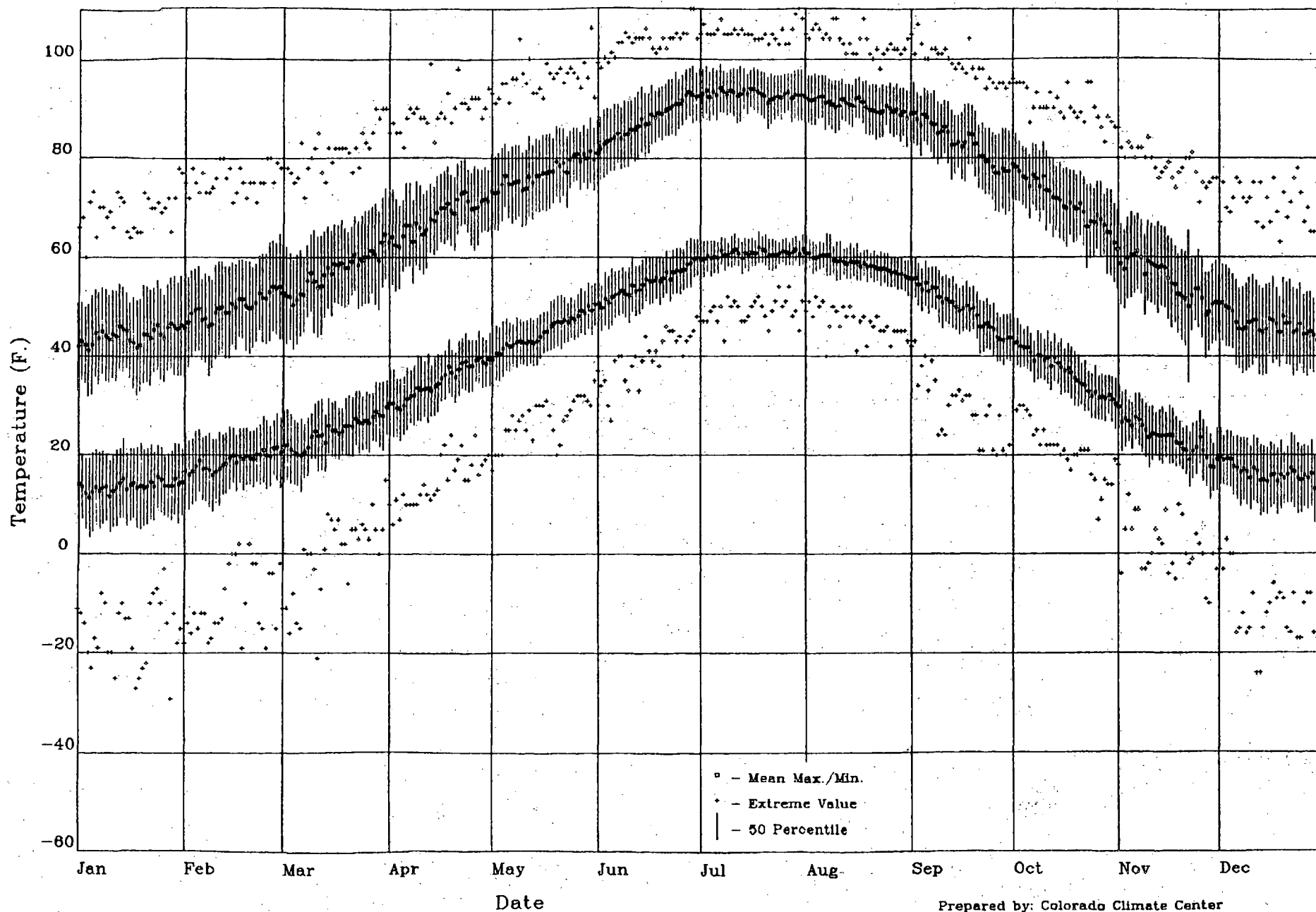
EADS

Record: 63 years ending in 1987

Lat 38 29

Long 102 47

Elev 4220



Prepared by: Colorado Climate Center

Latitude: 38 29 Longitude: 102 47 Elevation: 4220 Period of Record: 63 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	44.2	49.8	57.0	68.1	77.0	87.4	92.9	90.7	83.1	71.6	55.6	46.4	68.6
Std. Dev.	5.8	6.6	5.6	4.3	4.1	4.7	3.1	3.4	3.9	4.7	5.2	4.8	
Mean Min.	13.6	18.7	24.7	35.2	44.9	54.8	60.8	58.6	49.4	36.8	23.4	16.2	36.4
Std. Dev.	4.6	4.0	4.1	4.4	4.1	4.7	2.3	2.5	3.2	3.2	3.3	4.4	
Num. Yrs.	56	58	57	57	58	57	57	60	60	62	60	58	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	643	439	301	83	12	0	0	0	6	52	319	569	2424
55	797	576	437	158	34	2	0	0	15	111	458	722	3309
57	858	632	495	197	49	3	0	0	21	145	517	783	3701
60	951	716	585	265	82	8	0	1	34	205	606	876	4328
65	1104	856	738	397	166	26	1	3	75	332	755	1029	5483

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	8	64	224	491	678	611	357	93	2	0	2529
57	0	0	4	44	178	433	616	549	304	66	0	0	2195
60	0	0	2	22	118	348	524	457	228	34	0	0	1734
65	0	0	0	5	47	216	372	306	121	7	0	0	1074
70	0	0	0	1	11	111	224	165	46	1	0	0	559

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	18	46	143	371	654	939	1139	1072	789	451	106	26	5754
45	4	15	68	245	503	789	985	918	642	311	43	7	4528
50	1	4	25	139	357	639	832	764	497	188	12	1	3458
55	0	1	8	64	224	491	678	611	357	93	2	0	2529
60	0	0	2	22	118	348	524	457	228	34	0	0	1734

Corn GDD 42 75 151 279 420 579 707 666 498 335 129 49 3930

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	94/1947	115	122	127	131	135	140	144	149	156	162/1955	46
32	125/1983	132	140	145	150	154	158	163	168	176	192/1957	45
28	148/1931	160	167	172	176	179	183	187	192	198	202/1943	44
24	152/1983	170	179	185	190	195	200	205	211	220	237/1960	42
20	177/1967	190	198	203	208	212	216	221	227	234	247/1946	42
16	201/1957	206	213	218	223	227	231	236	241	249	273/1978	38

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	4/21/1939	4/30	5/ 5	5/ 9	5/12	5/16	5/19	5/22	5/26	5/31	6/13/1947	46
32	4/15/1957	4/21	4/25	4/29	5/ 2	5/ 4	5/ 7	5/10	5/13	5/18	6/ 5/1931	45
28	3/25/1943	4/ 5	4/11	4/15	4/19	4/22	4/25	4/29	5/ 3	5/ 9	6/ 5/1931	44
24	3/17/1960	3/27	4/ 2	4/ 6	4/ 9	4/13	4/16	4/19	4/23	4/29	5/13/1966	42
20	3/ 8/1946	3/19	3/24	3/28	4/ 1	4/ 4	4/ 7	4/11	4/15	4/20	5/ 1/1967	42
16	3/ 4/1978	3/13	3/18	3/22	3/25	3/28	3/31	4/ 4	4/ 7	4/13	4/18/1944	38

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/ 3/1974	9/15	9/19	9/22	9/25	9/28	10/ 1	10/ 4	10/ 7	10/12	10/28/1963	46
32	9/ 9/1941	9/20	9/25	9/29	10/ 2	10/ 5	10/ 8	10/12	10/16	10/21	11/ 2/1950	45
28	9/19/1971	10/ 2	10/ 8	10/12	10/15	10/18	10/21	10/25	10/29	11/ 3	11/ 9/1944	44
24	9/21/1983	10/ 8	10/13	10/18	10/21	10/25	10/28	11/ 1	11/ 5	11/11	11/19/1953	42
20	9/26/1942	10/19	10/24	10/27	10/30	11/ 2	11/ 5	11/ 8	11/11	11/16	11/21/1941	42
16	10/24/1980	10/28	11/ 1	11/ 5	11/ 8	11/11	11/13	11/16	11/20	11/24	12/ 2/1978	38

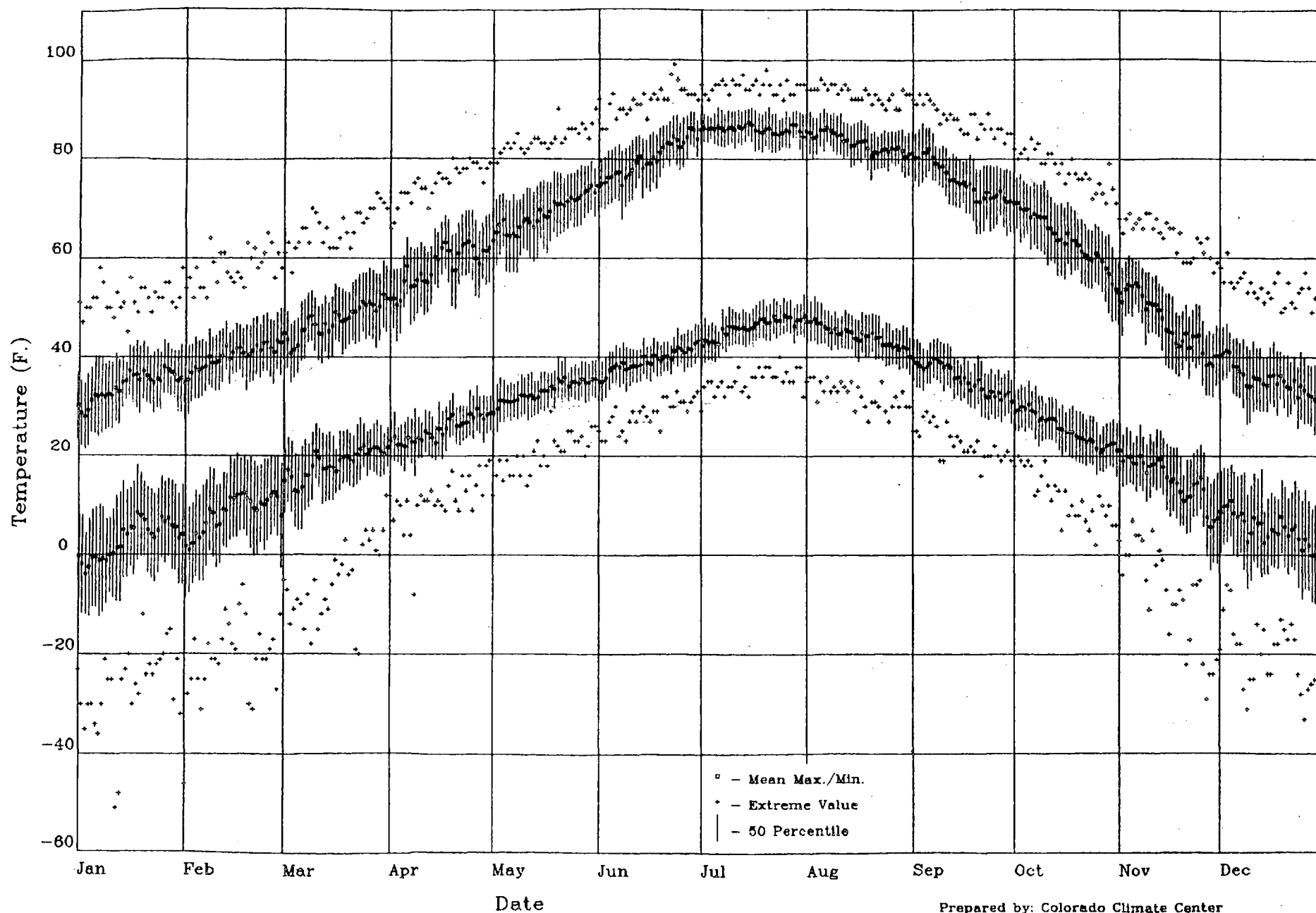
EAGLE FAA AP

Record: 40 years ending in 1987

Lat 39 39

Long 106 55

Elev 8500



Prepared by: Colorado Climate Center

Latitude: 39 39 Longitude: 106 55 Elevation: 6500 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	34.3	40.0	47.4	58.2	69.0	79.9	86.0	83.3	75.8	63.9	46.9	35.4	60.0
Std. Dev.	4.6	4.3	3.7	3.9	3.4	3.3	1.7	2.2	3.8	4.6	4.3	4.5	
Mean Min.	3.0	8.6	18.5	25.4	33.1	39.3	46.0	44.3	35.6	25.4	15.3	5.0	24.9
Std. Dev.	6.3	6.7	4.4	2.1	1.8	1.9	2.3	2.8	2.8	3.0	4.0	5.8	
Num. Yrs.	37	39	39	39	39	39	39	40	40	40	40	40	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	964	719	521	248	60	4	0	0	18	178	559	909	4180
55	1119	860	675	390	143	20	0	1	55	315	709	1063	5350
57	1181	916	737	449	191	33	0	3	83	376	769	1124	5863
60	1274	1001	830	539	274	66	2	12	142	468	859	1217	6684
65	1429	1142	985	689	426	165	25	65	274	623	1009	1371	8205

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	27	165	349	281	82	2	0	0	908
57	0	0	0	0	13	118	287	221	50	1	0	0	691
60	0	0	0	0	3	61	196	137	19	0	0	0	417
65	0	0	0	0	0	10	65	36	2	0	0	0	113
70	0	0	0	0	0	1	6	3	0	0	0	0	9

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	1	20	118	353	595	814	745	478	184	14	1	3322
45	0	0	3	42	214	445	659	590	332	80	2	0	2367
50	0	0	0	9	99	299	504	435	195	20	0	0	1562
55	0	0	0	0	27	165	349	281	82	2	0	0	908
60	0	0	0	0	3	61	196	137	19	0	0	0	417

Corn GDD 1 7 41 144 296 439 540 508 385 227 44 3 2636

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1950	26	35	42	47	52	57	63	69	78	93/1981	39
32	35/1950	55	64	70	76	81	86	92	98	108	114/1977	37
28	76/1973	92	99	104	108	112	116	120	125	132	144/1969	36
24	98/1973	111	119	125	130	135	140	145	151	159	179/1981	36
20	133/1955	140	149	155	160	165	170	176	182	191	222/1985	36
16	156/1983	164	174	181	187	193	198	204	211	221	245/1978	36

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/11/1971	6/17	6/21	6/25	6/27	6/30	7/ 2	7/ 5	7/ 8	7/12	7/19/1950	39
32	5/27/1977	6/ 2	6/ 7	6/11	6/14	6/17	6/19	6/22	6/26	7/ 1	7/15/1962	37
28	5/ 2/1969	5/13	5/18	5/21	5/24	5/27	5/30	6/ 2	6/ 5	6/10	6/19/1973	36
24	4/23/1959	4/30	5/ 5	5/ 9	5/12	5/16	5/19	5/22	5/26	6/ 1	6/ 9/1950	36
20	4/ 5/1985	4/11	4/17	4/21	4/24	4/27	4/30	5/ 3	5/ 7	5/13	5/28/1954	36
16	3/14/1979	3/25	4/ 1	4/ 6	4/10	4/14	4/18	4/22	4/27	5/ 4	5/12/1953	36

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1950	8/ 3	8/ 9	8/13	8/17	8/21	8/24	8/28	9/ 2	9/ 8	9/17/1981	39
32	7/31/1950	8/20	8/26	8/30	9/ 3	9/ 6	9/ 9	9/12	9/16	9/22	9/30/1982	37
28	8/19/1978	9/ 1	9/ 6	9/10	9/13	9/16	9/19	9/22	9/25	9/30	10/10/1963	36
24	9/ 3/1973	9/14	9/19	9/22	9/25	9/28	9/30	10/ 3	10/ 6	10/11	10/24/1972	36
20	9/ 9/1962	9/21	9/28	10/ 2	10/ 6	10/10	10/13	10/17	10/21	10/28	11/13/1985	36
16	9/21/1983	10/ 9	10/14	10/18	10/21	10/24	10/27	10/30	11/ 3	11/ 8	11/17/1978	36

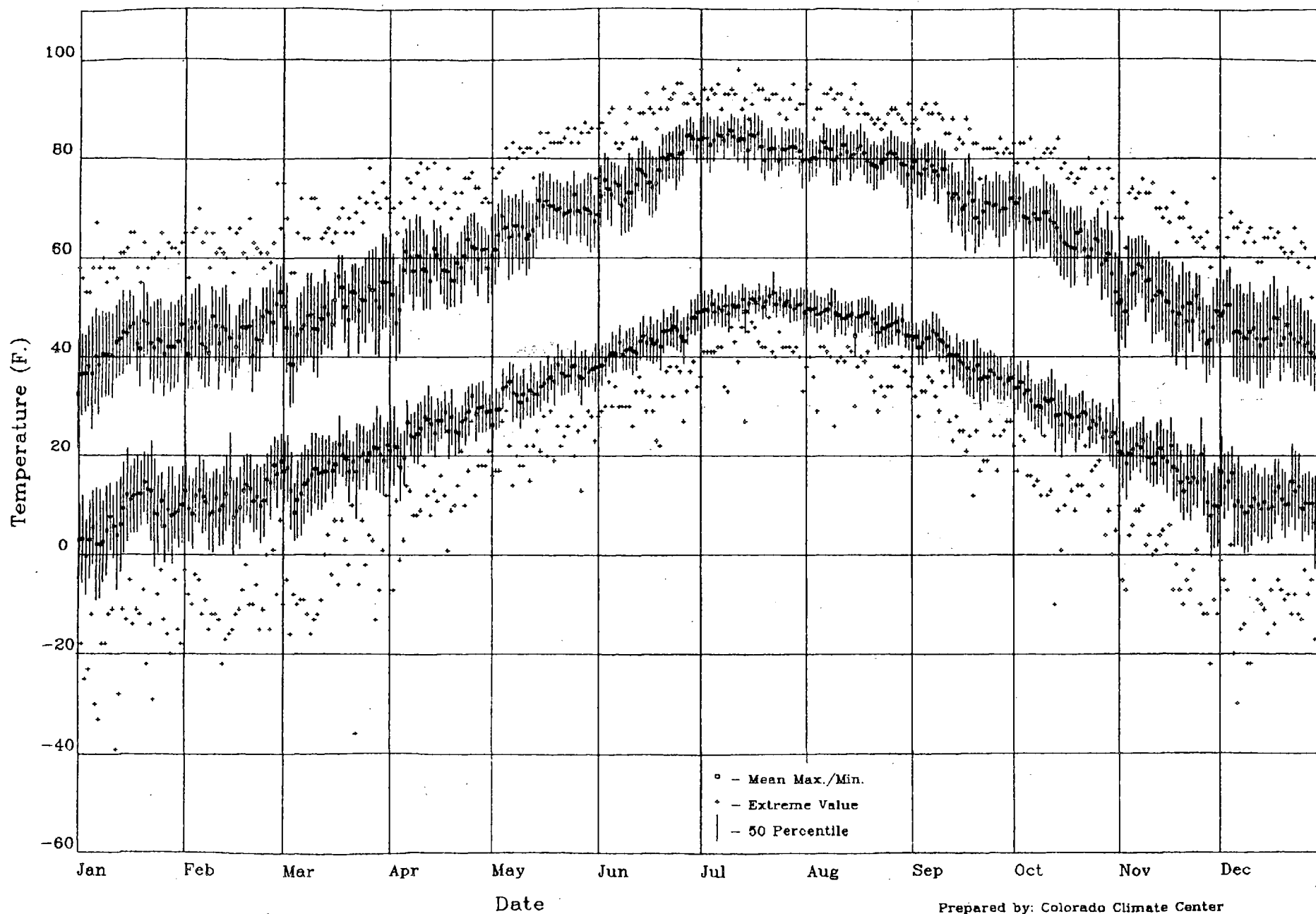
ELBERT

Record: 18 years ending in 1980

Lat 39 13

Long 104 33

Elev 6740



Prepared by: Colorado Climate Center

Latitude: 39 13 Longitude: 104 33 Elevation: 6740 Period of Record: 19 years ending in 1980

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	41.9	45.0	49.6	58.1	67.6	77.2	83.0	80.4	73.4	64.6	50.9	44.3	61.3
Std. Dev.	4.1	3.8	5.1	3.3	3.5	3.8	2.3	2.9	3.0	4.4	4.4	3.4	
Mean Min.	7.6	11.7	17.7	25.9	34.4	43.2	50.4	47.6	39.4	28.6	17.5	10.7	27.9
Std. Dev.	5.0	4.1	3.4	3.1	2.2	2.2	1.5	1.9	2.9	2.7	3.4	3.9	
Num. Yrs.	18	18	17	16	18	17	18	18	18	18	18	18	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	772	603	502	248	69	8	0	0	27	148	467	689	3533
55	926	744	655	385	150	26	1	3	62	261	615	843	4671
57	988	800	717	443	195	40	2	6	86	316	675	905	5172
60	1081	884	810	532	273	72	5	15	136	404	765	998	5974
65	1235	1025	965	682	418	160	27	67	256	557	914	1152	7457

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	3	36	188	372	288	110	12	0	0	1008
57	0	0	0	1	20	142	310	229	74	5	0	0	782
60	0	0	0	0	7	84	221	146	35	1	0	0	494
65	0	0	0	0	0	23	88	43	4	0	0	0	158
70	0	0	0	0	0	3	14	5	0	0	0	0	22

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	8	9	44	137	350	608	836	747	501	246	45	9	3539
45	1	2	12	55	216	461	681	593	359	133	12	1	2525
50	0	0	2	15	107	318	526	439	225	53	1	0	1688
55	0	0	0	3	36	188	372	288	110	12	0	0	1008
60	0	0	0	0	7	84	221	146	35	1	0	0	494

Corn GDD 23 27 73 145 272 403 526 477 353 237 80 36 2652

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	23/1973	45	56	63	70	76	82	89	97	107	110/1977	15
32	60/1964	61	71	79	86	92	98	105	112	123	133/1966	15
28	63/1979	86	99	108	116	123	131	139	148	160	156/1969	13
24	109/1965	113	123	130	136	142	148	154	161	170	179/1977	12
20	143/1968	151	159	164	168	172	176	181	186	193	192/1969	12
16	160/1964	165	173	178	183	187	191	196	201	208	213/1973	10

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/27/1967	5/30	6/ 5	6/ 9	6/13	6/17	6/20	6/24	6/28	7/ 4	7/14/1979	15
32	5/20/1966	5/20	5/26	5/31	6/ 4	6/ 8	6/12	6/16	6/21	6/27	7/14/1979	15
28	5/ 1/1969	4/28	5/ 7	5/13	5/19	5/24	5/29	6/ 4	6/10	6/19	7/14/1979	13
24	4/ 5/1977	4/19	4/27	5/ 3	5/ 8	5/12	5/17	5/22	5/28	6/ 5	6/19/1973	12
20	3/27/1969	4/ 3	4/11	4/17	4/22	4/27	5/ 2	5/ 7	5/12	5/20	5/25/1965	12
16	3/26/1969	3/27	4/ 3	4/ 8	4/12	4/16	4/19	4/24	4/29	5/ 5	5/12/1964	10

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/31/1973	8/ 7	8/16	8/22	8/27	9/ 1	9/ 6	9/11	9/17	9/25	9/26/1963	15
32	8/ 4/1971	8/13	8/22	8/28	9/ 3	9/ 8	9/13	9/19	9/25	10/ 4	10/14/1963	15
28	9/ 3/1973	9/ 9	9/14	9/18	9/21	9/24	9/27	9/30	10/ 4	10/ 9	10/14/1963	13
24	9/17/1965	9/17	9/22	9/26	9/29	10/ 1	10/ 4	10/ 7	10/10	10/15	10/16/1962	12
20	9/19/1971	9/26	10/ 3	10/ 8	10/12	10/16	10/20	10/24	10/29	11/ 5	11/11/1965	12
16	9/19/1971	9/28	10/ 5	10/11	10/15	10/19	10/24	10/28	11/ 3	11/10	11/15/1973	10

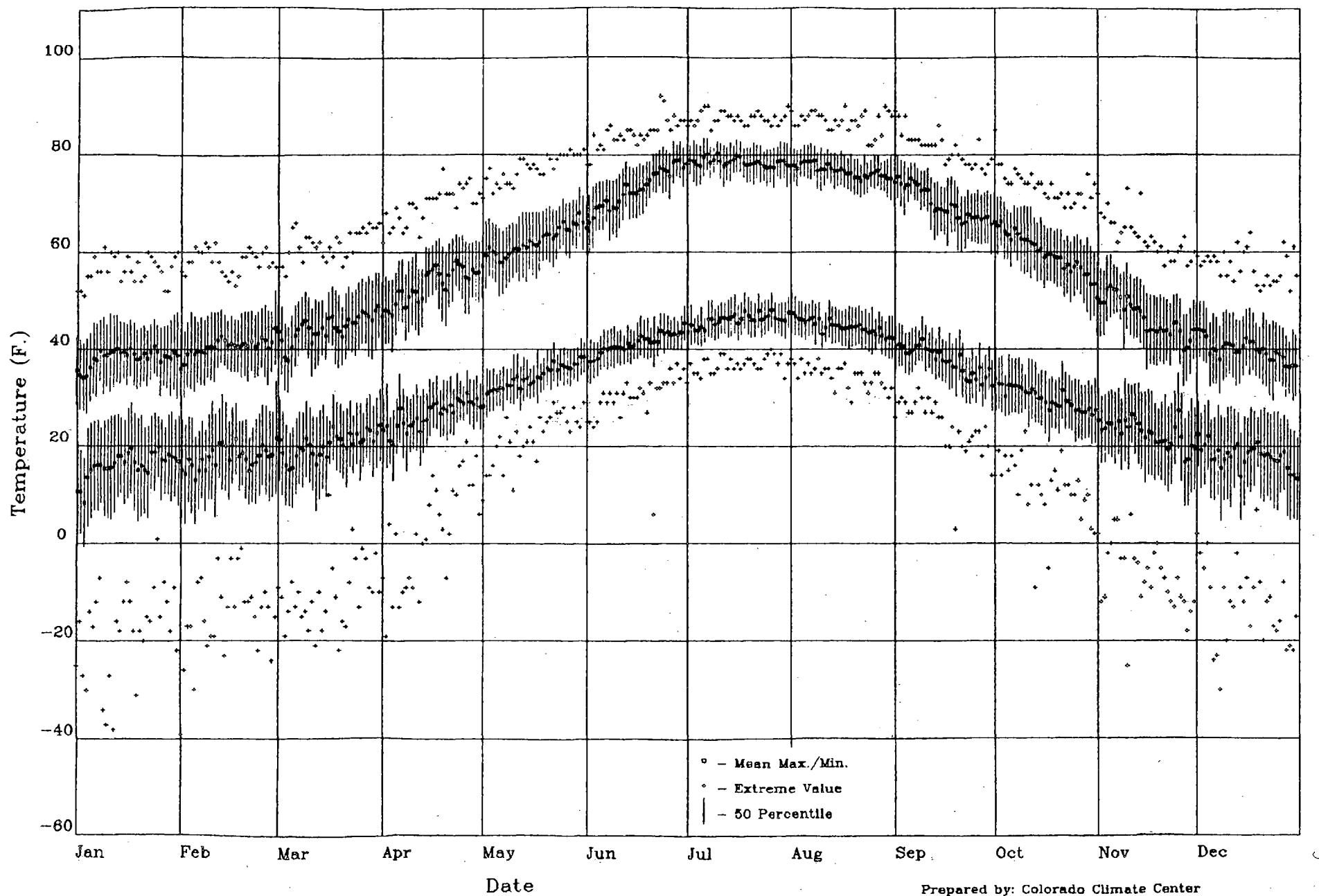
ESTES PARK

Record: 40 years ending in 1987

Lat 40 23

Long 105 31

Elev 7530



Latitude: 40 23 Longitude: 105 31 Elevation: 7530 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	38.3	40.5	44.5	53.1	62.1	72.7	78.5	76.7	69.9	60.0	46.6	39.8	56.9
Std. Dev.	3.9	3.8	3.9	4.0	3.1	3.3	1.9	2.2	3.4	4.2	3.7	4.0	
Mean Min.	16.1	17.6	20.3	26.5	34.2	41.1	46.0	44.6	37.6	29.9	22.7	18.0	29.6
Std. Dev.	4.5	4.3	4.0	2.9	2.1	1.8	1.8	2.1	2.0	2.6	3.8	4.1	
Num. Yrs.	39	39	39	39	38	39	36	39	39	40	39	37	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	700	584	536	307	104	12	0	0	32	179	455	644	3554
55	855	725	689	449	216	43	2	4	88	311	602	798	4781
57	917	781	751	508	272	65	4	10	123	369	662	860	5322
60	1010	866	843	598	360	115	18	34	192	460	752	953	6199
65	1165	1007	997	748	514	239	94	135	330	614	902	1107	7851

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	1	12	107	234	186	58	7	0	0	606
57	0	0	0	0	6	69	175	131	34	4	0	0	418
60	0	0	0	0	1	30	96	62	12	1	0	0	202
65	0	0	0	0	0	4	17	9	1	0	0	0	31
70	0	0	0	0	0	0	1	1	0	0	0	0	2

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	11	14	30	100	273	515	698	643	422	199	51	17	2973
45	2	3	8	37	146	367	543	490	280	93	15	3	1988
50	0	0	1	9	55	226	388	336	152	31	3	0	1202
55	0	0	0	1	12	107	234	186	58	7	0	0	606
60	0	0	0	0	1	30	96	62	12	1	0	0	202

Corn GDD	6	9	27	91	197	344	453	420	303	172	38	8	2067
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	35/1961	43	50	56	60	64	68	73	78	85	94/1969	33
32	73/1964	81	87	91	94	98	101	104	109	114	128/1958	31
28	101/1970	106	112	116	120	123	127	130	135	141	148/1963	29
24	112/1982	128	135	140	145	149	153	157	162	169	173/1972	29
20	112/1982	143	152	158	163	168	173	178	184	192	202/1974	29
16	112/1982	162	171	177	183	188	193	199	205	215	219/1962	29

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/24/1985	6/ 5	6/10	6/14	6/18	6/21	6/25	6/28	7/ 2	7/ 8	7/17/1955	33
32	5/11/1958	5/22	5/27	5/31	6/ 2	6/ 5	6/ 8	6/11	6/14	6/19	6/23/1964	31
28	5/ 2/1961	5/ 6	5/11	5/15	5/18	5/20	5/23	5/26	5/30	6/ 4	6/21/1982	29
24	4/22/1987	4/21	4/26	5/ 1	5/ 4	5/ 8	5/11	5/14	5/19	5/24	6/21/1982	29
20	4/ 4/1976	4/ 9	4/16	4/20	4/24	4/28	5/ 1	5/ 5	5/ 9	5/16	6/21/1982	29
16	3/26/1952	3/27	4/ 3	4/ 9	4/13	4/18	4/22	4/27	5/ 2	5/10	6/21/1982	29

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/22/1961	8/ 5	8/12	8/16	8/21	8/25	8/28	9/ 2	9/ 6	9/13	9/16/1969	33
32	8/18/1960	8/29	9/ 3	9/ 6	9/ 8	9/11	9/13	9/16	9/19	9/23	10/ 1/1982	31
28	9/ 1/1962	9/ 9	9/13	9/16	9/18	9/21	9/23	9/26	9/29	10/ 3	10/15/1963	29
24	9/16/1951	9/19	9/24	9/28	10/ 1	10/ 3	10/ 6	10/ 9	10/13	10/18	10/23/1972	29
20	9/16/1951	9/23	9/30	10/ 5	10/ 9	10/12	10/16	10/20	10/25	10/31	11/ 4/1974	29
16	9/19/1971	10/ 7	10/12	10/16	10/20	10/23	10/26	10/29	11/ 2	11/ 8	11/ 7/1962	29

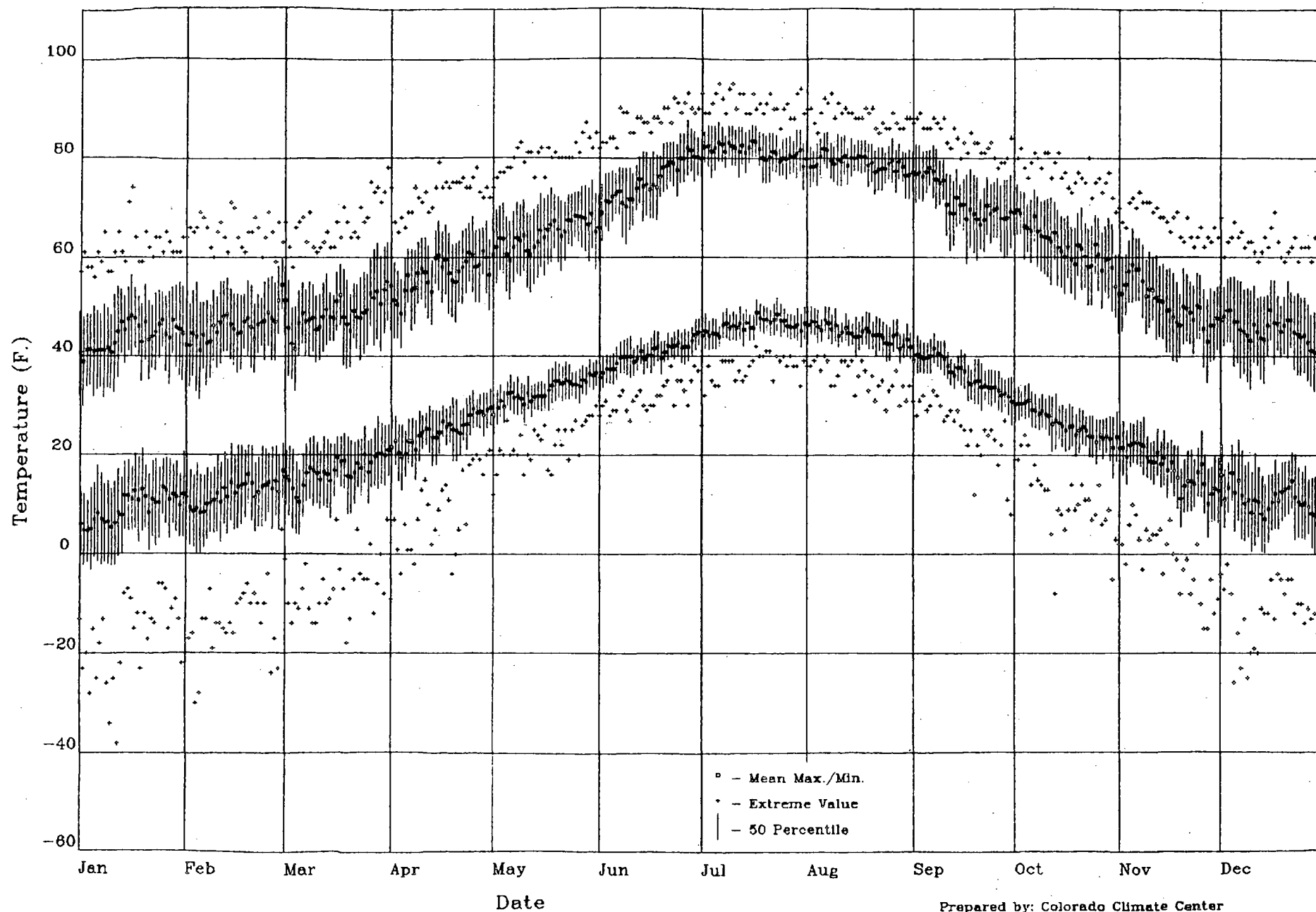
EVERGREEN

Record: 27 years ending in 1987

Lat 39 38

Long 105 19

Elev 7000



Latitude: 39 38 Longitude: 105 19 Elevation: 7000 Period of Record: 27 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	44.0	45.8	48.6	56.5	64.5	75.1	81.3	79.0	71.6	62.4	50.8	45.2	60.4
Std. Dev.	3.9	2.7	4.4	4.1	4.5	3.5	2.1	2.0	3.8	4.5	3.8	3.8	
Mean Min.	9.3	12.2	16.8	25.0	33.0	40.4	46.1	44.7	36.4	26.4	17.5	10.9	26.5
Std. Dev.	4.4	3.7	4.0	3.2	1.7	1.9	2.0	2.1	2.4	2.4	2.7	3.5	
Num. Yrs.	25	25	24	23	24	26	27	25	24	27	26	25	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	710	584	527	278	97	10	0	0	39	186	467	672	3571
55	864	724	681	421	200	37	2	4	89	320	616	827	4784
57	926	780	743	480	254	57	4	8	121	380	675	888	5316
60	1018	864	836	570	342	102	11	23	186	472	765	981	6170
65	1172	1005	990	720	496	215	60	103	323	626	914	1136	7760

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	1	13	126	279	224	66	2	0	0	710
57	0	0	0	0	5	86	220	166	38	0	0	0	515
60	0	0	0	0	1	42	134	88	13	0	0	0	277
65	0	0	0	0	0	5	30	13	1	0	0	0	49
70	0	0	0	0	0	0	1	0	0	0	0	0	2

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	6	12	31	110	290	537	740	684	432	187	37	8	3073
45	1	2	7	40	161	390	586	529	292	82	7	1	2098
50	0	0	1	8	65	249	432	375	166	21	0	0	1317
55	0	0	0	1	13	126	279	224	66	2	0	0	710
60	0	0	0	0	1	42	134	88	13	0	0	0	277

Corn GDD 29 35 61 128 235 373 483 451 327 207 76 36 2442

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	36/1961	38	47	54	60	65	71	76	83	93	109/1977	23
32	44/1968	70	79	86	91	97	102	107	114	123	132/1963	21
28	77/1968	102	110	116	121	125	130	135	141	149	165/1980	20
24	120/1983	129	137	143	148	153	157	162	168	176	177/1962	19
20	142/1969	149	157	163	168	173	178	183	189	197	202/1987	18
16	159/1970	167	175	181	185	190	194	199	205	212	231/1965	18

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/27/1977	6/ 6	6/12	6/16	6/19	6/23	6/26	6/29	7/ 3	7/ 9	7/14/1962	23
32	5/21/1963	5/22	5/28	6/ 1	6/ 4	6/ 7	6/10	6/14	6/18	6/23	7/ 2/1968	21
28	4/28/1980	5/ 5	5/11	5/14	5/18	5/21	5/24	5/27	5/31	6/ 6	7/ 1/1968	20
24	4/ 8/1985	4/18	4/24	4/28	5/ 1	5/ 5	5/ 8	5/11	5/15	5/21	5/23/1983	19
20	4/ 1/1985	4/ 6	4/12	4/17	4/20	4/24	4/27	5/ 1	5/ 6	5/12	5/23/1983	18
16	3/25/1981	3/26	4/ 2	4/ 6	4/10	4/14	4/18	4/22	4/27	5/ 4	5/18/1983	18

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/22/1961	8/ 6	8/13	8/18	8/23	8/27	8/31	9/ 4	9/ 9	9/16	9/26/1963	23
32	8/15/1968	8/27	9/ 2	9/ 5	9/ 9	9/12	9/15	9/18	9/22	9/28	9/30/1963	21
28	9/10/1962	9/10	9/15	9/18	9/21	9/23	9/26	9/29	10/ 2	10/ 6	10/14/1963	20
24	9/17/1965	9/19	9/24	9/28	10/ 1	10/ 4	10/ 7	10/10	10/14	10/19	10/25/1962	19
20	9/19/1971	9/25	10/ 2	10/ 6	10/10	10/14	10/18	10/22	10/27	11/ 2	11/ 9/1983	18
16	9/19/1971	9/30	10/ 7	10/12	10/17	10/21	10/25	10/30	11/ 4	11/11	11/22/1965	18

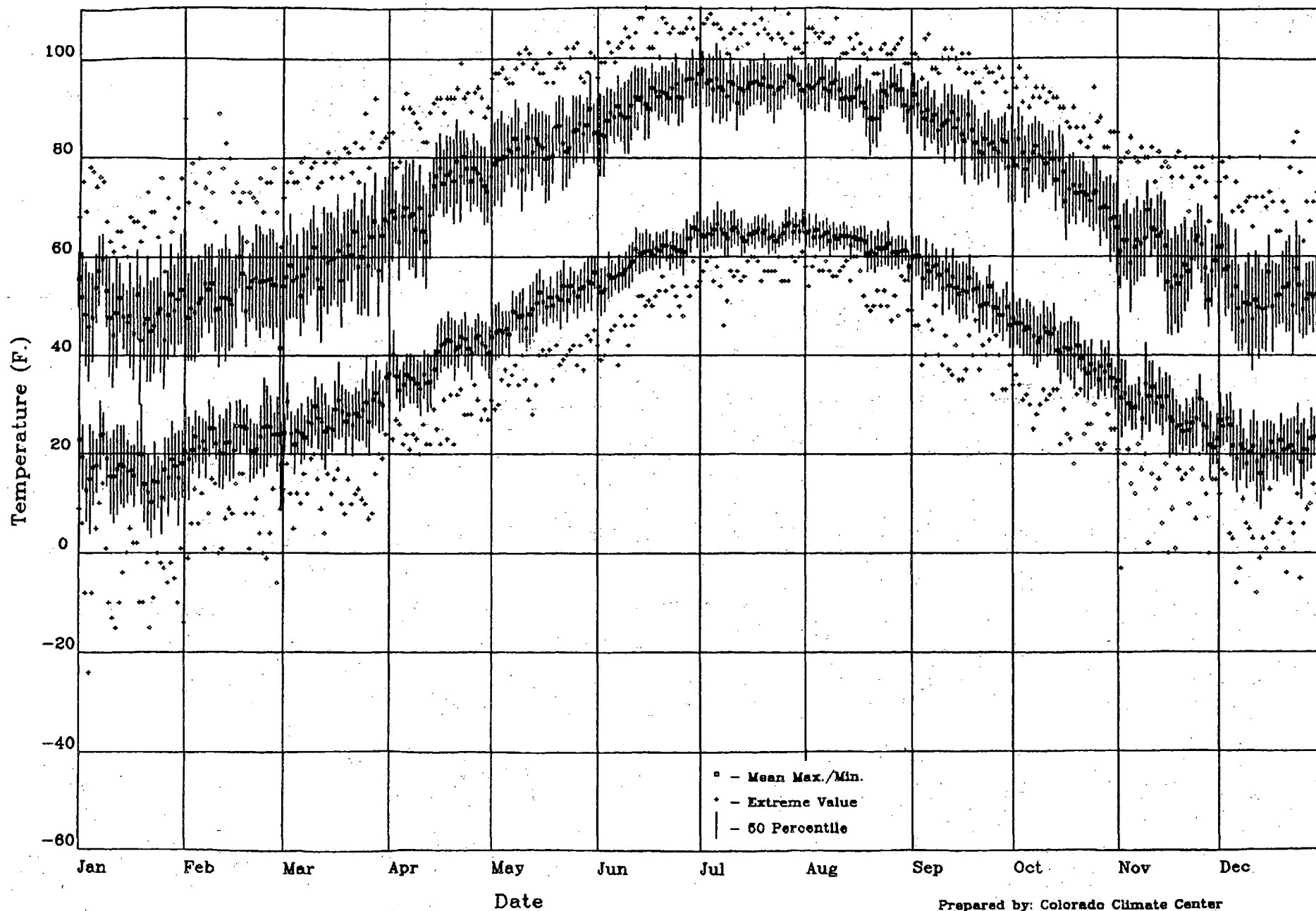
EVERSOLL RANCH

Record: 19 years ending in 1968

Lat 37 2

Long 102 4

Elev 3580



Prepared by: Colorado Climate Center

Prepared by: Colorado Climate Center

Period of Record: 19 years ending in 1966

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	49.0	51.8	58.5	72.3	82.3	91.0	94.3	92.7	85.5	75.7	61.1	52.7	72.2
Std. Dev.	5.1	5.9	7.0	4.5	3.8	4.6	3.1	2.3	3.6	3.7	4.6	4.3	
Mean Min.	17.1	22.8	27.3	39.1	50.3	59.7	64.8	62.8	53.6	41.4	28.6	21.4	40.7
Std. Dev.	4.2	3.3	3.3	2.4	2.4	2.4	2.0	2.0	2.5	3.2	2.8	2.6	
Num. Yrs.	8	10	10	13	16	17	16	16	15	17	16	14	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	498	340	234	42	3	0	0	0	1	15	176	369	1678
55	644	461	350	89	10	1	0	0	4	46	285	505	2394
57	703	511	402	115	16	1	0	0	6	68	337	562	2720
60	792	589	482	162	30	3	0	0	12	112	418	646	3245
65	939	719	620	265	75	9	0	1	35	208	556	787	4216

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	3	14	113	347	602	741	655	404	157	9	2	3048
57	0	1	9	84	295	544	682	598	352	121	5	1	2692
60	0	0	4	49	222	459	592	513	277	77	2	0	2195
65	0	0	1	14	122	319	443	371	165	28	0	0	1463
70	0	0	0	2	53	192	296	232	79	6	0	0	859

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	38	78	160	442	773	1039	1189	1081	806	550	192	66	6416
45	8	35	86	317	629	893	1040	939	671	407	103	24	5152
50	1	12	39	205	486	747	891	797	536	273	40	7	4034
55	0	3	14	113	347	602	741	655	404	157	9	2	3048
60	0	0	4	49	222	459	592	513	277	77	2	0	2195

Corn GDP	70	84	156	307	481	643	750	685	507	377	177	92	4330
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36 -	Insufficient data.											
32 -	Insufficient data.											
28 -	Insufficient data.											
24 -	Insufficient data.											
20 -	Insufficient data.											
16 -	Insufficient data.											

Probability last spring frost will be before

[illegible]

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36 -	Insufficient data.											
32 -	Insufficient data.											
28 -	Insufficient data.											
24 -	Insufficient data.											
20 -	Insufficient data.											
16 -	Insufficient data.											

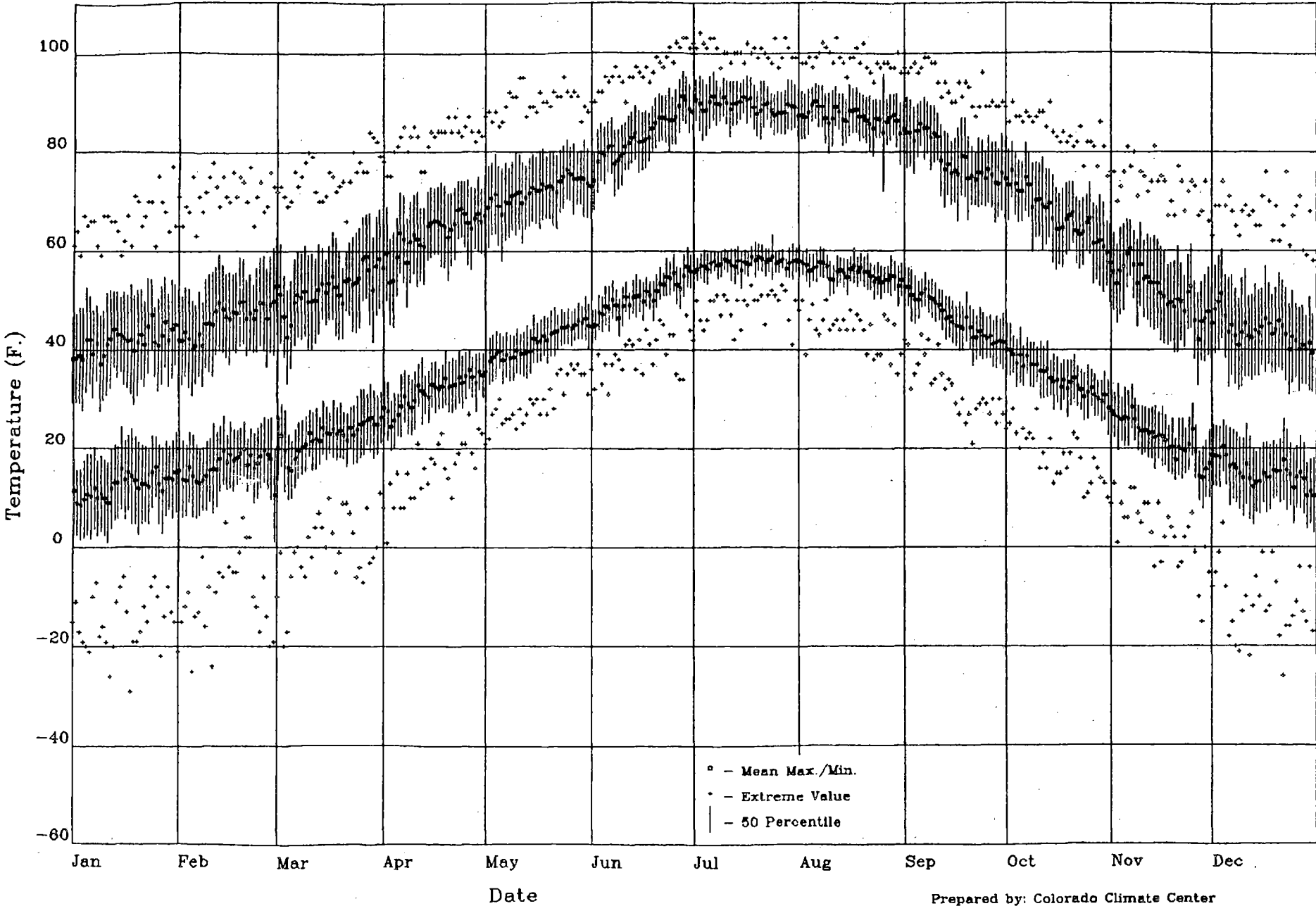
FLAGLER 2NW

Record: 30 years ending in 1987

Lat 39 19

Long 103 5

Elev 4980



Latitude: 39 19 Longitude: 103 5 Elevation: 4980 Period of Record: 39 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	41.8	46.0	52.3	63.2	72.1	83.1	89.4	87.1	78.9	67.7	52.2	43.8	64.8
Std. Dev.	5.9	5.5	5.5	4.4	3.9	2.9	2.4	2.4	3.5	5.0	4.4	5.3	
Mean Min.	12.4	16.6	22.4	31.5	41.5	50.9	57.5	55.5	46.4	34.3	22.1	15.2	33.9
Std. Dev.	4.5	3.5	3.4	3.1	2.2	1.5	1.4	2.3	2.7	2.4	2.7	3.8	
Num. Yrs.	29	29	28	29	28	28	29	29	28	28	30	30	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	703	521	394	146	28	0	0	1	12	88	385	624	2903
55	858	660	538	249	71	4	0	1	29	168	528	778	3885
57	920	716	598	298	97	8	0	2	41	211	588	839	4318
60	1013	800	689	377	148	17	1	4	64	285	678	931	5007
65	1168	941	843	521	261	54	3	13	128	427	827	1085	6271

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	3	28	134	370	580	510	265	53	1	0	1944
57	0	0	1	17	99	314	518	449	217	34	0	0	1649
60	0	0	0	6	57	234	426	358	150	15	0	0	1246
65	0	0	0	0	15	121	273	214	64	2	0	0	690
70	0	0	0	0	2	43	135	90	17	0	0	0	288

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	14	30	92	264	530	815	1044	969	687	367	82	23	4916
45	3	9	39	154	381	665	889	816	540	236	31	6	3770
50	0	2	13	74	246	516	735	662	398	128	8	1	2784
55	0	0	3	28	134	370	580	510	265	53	1	0	1944
60	0	0	0	6	57	234	426	358	150	15	0	0	1246

Corn GDD 33 50 106 216 346 505 653 608 438 285 99 42 3380

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	91/1964	97	104	109	113	117	121	125	130	137	148/1987	21
32	105/1974	114	121	127	131	136	140	145	150	158	167/1963	20
28	130/1965	135	142	147	152	156	160	164	169	176	180/1963	20
24	154/1966	161	168	173	177	181	184	189	193	200	201/1981	20
20	167/1969	176	184	190	195	200	205	210	216	224	240/1965	20
16	172/1984	183	194	201	208	214	220	226	234	244	254/1981	20

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	4/23/1987	5/ 9	5/14	5/18	5/22	5/25	5/28	5/31	6/ 4	6/10	6/16/1981	21
32	4/23/1987	5/ 3	5/ 7	5/10	5/13	5/15	5/17	5/20	5/23	5/27	6/ 6/1983	20
28	4/18/1964	4/22	4/26	4/28	5/ 1	5/ 3	5/ 5	5/ 7	5/10	5/14	5/21/1974	20
24	4/ 3/1976	4/ 8	4/12	4/16	4/19	4/21	4/24	4/27	5/ 1	5/ 5	5/10/1979	20
20	3/27/1965	4/ 1	4/ 5	4/ 8	4/10	4/13	4/15	4/18	4/21	4/25	4/28/1969	20
16	3/11/1981	3/18	3/24	3/28	3/31	4/ 4	4/ 7	4/10	4/15	4/20	4/28/1984	20

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	8/30/1964	9/ 6	9/10	9/14	9/16	9/19	9/21	9/24	9/27	10/ 2	10/ 4/1969	21
32	9/ 3/1974	9/12	9/17	9/21	9/25	9/28	10/ 1	10/ 4	10/ 8	10/13	10/27/1963	20
28	9/17/1965	9/22	9/26	9/30	10/ 3	10/ 5	10/ 8	10/11	10/15	10/19	10/27/1963	20
24	9/21/1983	10/ 4	10/ 9	10/13	10/16	10/19	10/22	10/25	10/29	11/ 3	11/ 8/1962	20
20	10/12/1969	10/14	10/19	10/23	10/27	10/30	11/ 2	11/ 5	11/ 9	11/14	11/22/1965	20
16	10/13/1986	10/17	10/23	10/27	10/31	11/ 3	11/ 7	11/10	11/15	11/21	11/27/1965	20

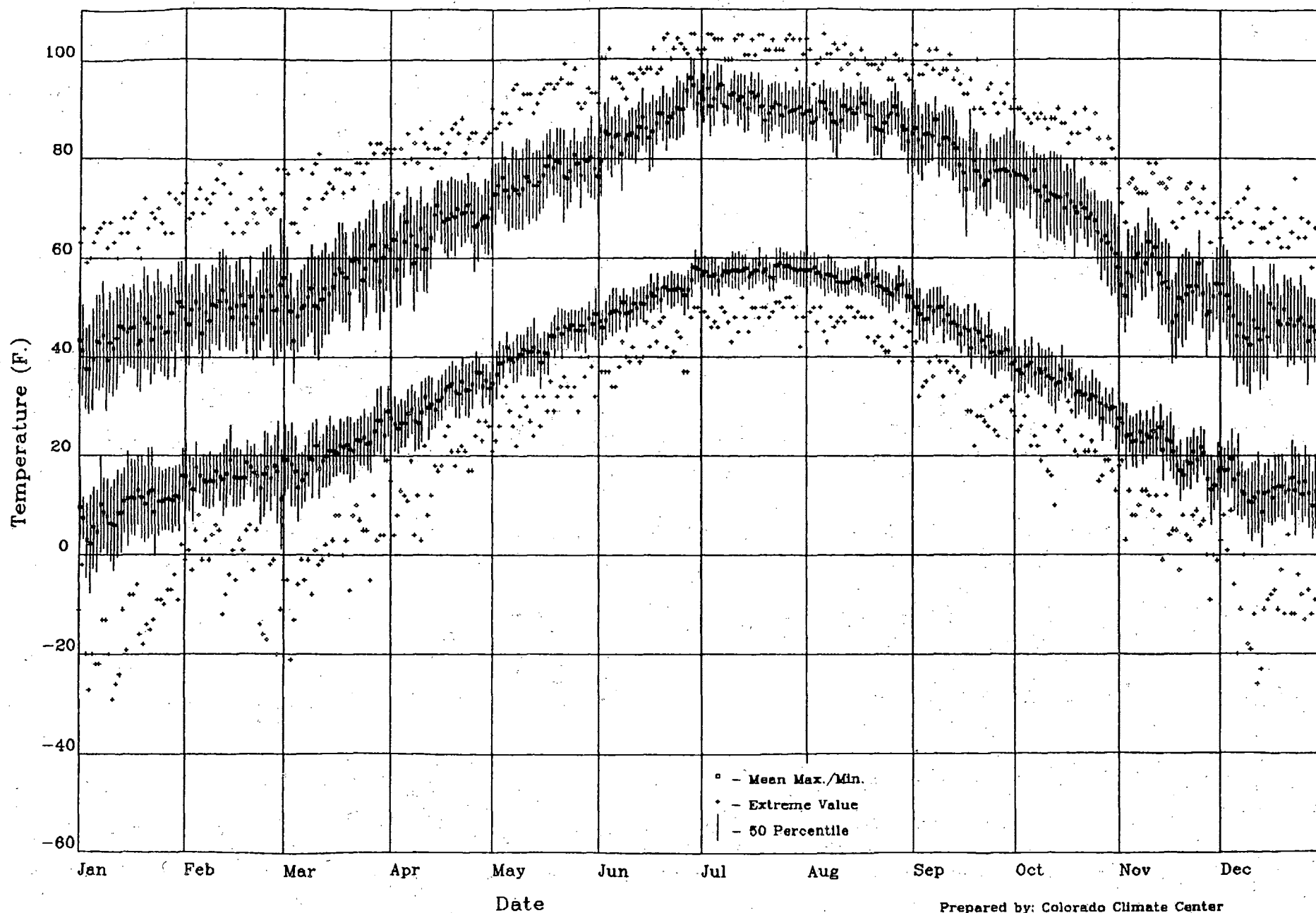
FORDER 8 S

Record: 23 years ending in 1980

Lat 38 33

Long 103 41

Elev 4780



Prepared by: Colorado Climate Center

Period of Record: 33 years ending in 1980

	Jan.	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	44.6	50.0	54.9	66.0	76.3	86.9	91.2	88.2	80.6	70.4	55.5	46.9	67.6
Std. Dev.	4.5	5.5	6.4	3.8	3.8	3.8	3.1	2.9	3.7	4.9	3.9	5.3	
Mean Min.	9.9	16.0	21.2	31.2	42.5	51.7	57.4	54.9	45.4	34.1	21.2	13.4	33.3
Std. Dev.	3.7	3.0	3.7	2.8	2.2	2.2	2.5	2.0	3.1	2.3	2.1	3.1	
Num. Yrs.	19	20	20	21	19	18	18	17	18	18	19	19	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	689	461	362	107	10	0	0	0	8	59	338	592	2626
55	842	596	500	203	38	1	0	0	21	120	483	742	3545
57	903	651	558	250	56	3	0	0	30	154	542	802	3948
60	995	733	647	326	93	8	0	1	49	215	630	892	4589
65	1148	869	795	464	188	27	3	7	108	338	777	1043	5766

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	2	26	179	408	590	497	252	53	0	0	2009
57	0	0	1	16	137	354	530	438	205	33	0	0	1713
60	0	0	0	6	83	275	439	351	139	14	0	0	1307
65	0	0	0	0	27	154	290	209	56	1	0	0	738
70	0	0	0	0	5	65	151	88	15	0	0	0	324

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	11	29	91	275	595	828	1043	939	656	350	75	15	4907
45	2	8	38	160	445	688	892	792	517	230	23	3	3797
50	0	2	13	74	303	548	741	644	380	128	2	1	2835
55	0	0	2	26	179	408	590	497	252	53	0	0	2009
60	0	0	0	6	83	275	439	351	139	14	0	0	1307

Corn GDD	46	68	125	238	393	506	641	582	423	281	118	54	3476
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36 -	Insufficient data.											
32 -	Insufficient data.											
28 -	Insufficient data.											
24 -	Insufficient data.											
20 -	Insufficient data.											
16 -	Insufficient data.											

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36 -	Insufficient data.											
32 -	Insufficient data.											
28 -	Insufficient data.											
24 -	Insufficient data.											
20 -	Insufficient data.											
16 -	Insufficient data.											

Probability first autumn frost will be before

[illegible]

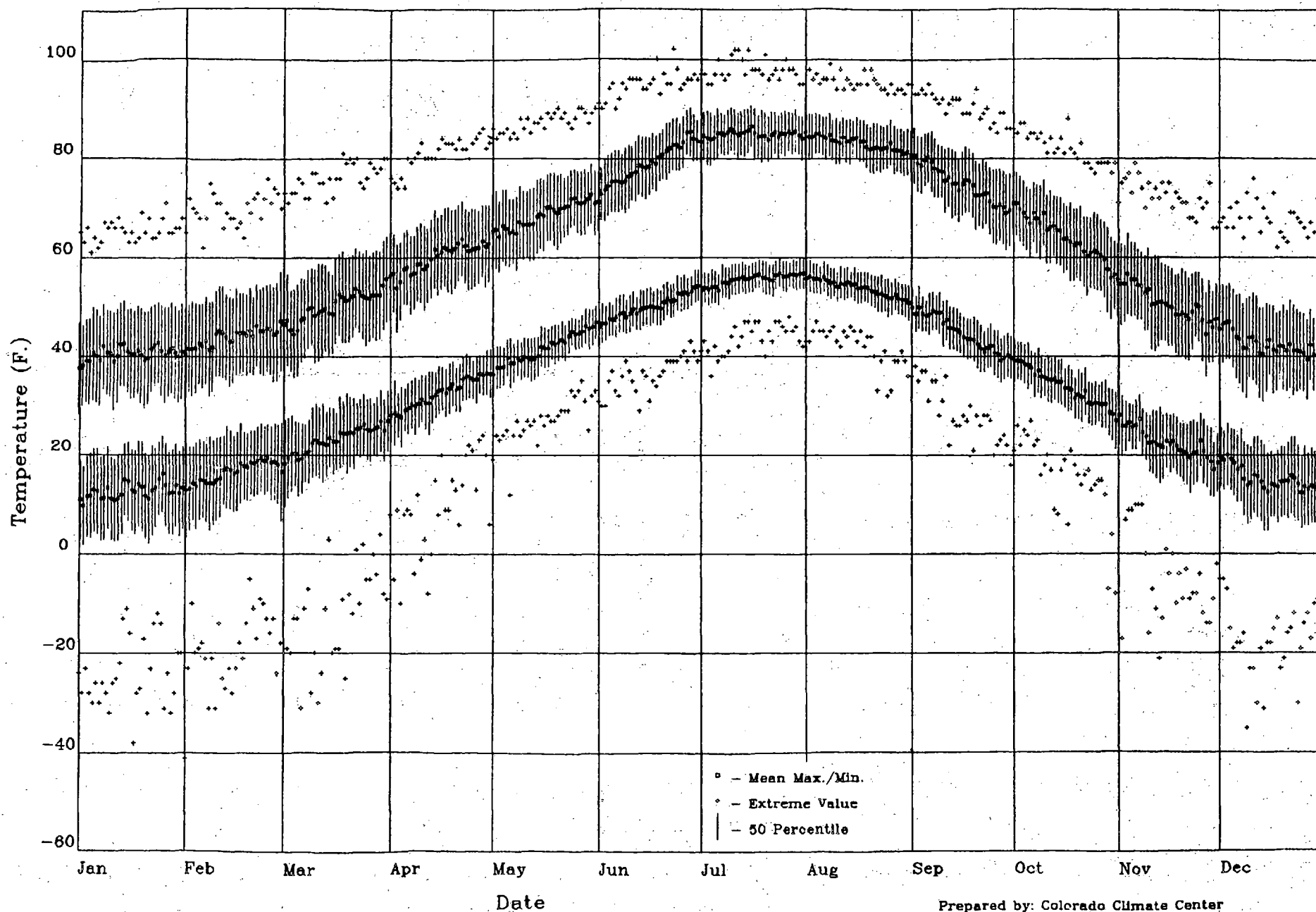
FORT COLLINS

Record: 88 years ending in 1987

Lat 40 35

Long 105 5

Elev 5000



Prepared by: Colorado Climate Center

Latitude: 40 35 Longitude: 105 5 Elevation: 5000

Period of Record: 89 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	40.5	43.8	50.3	60.0	68.5	78.8	84.9	83.2	74.9	64.2	50.8	42.4	61.9
Std. Dev.	5.6	5.8	6.0	4.4	3.7	3.8	2.8	2.4	3.6	4.3	4.5	5.1	
Mean Min.	12.6	16.5	23.2	32.5	41.6	50.0	55.5	53.8	44.6	33.8	22.5	15.1	33.5
Std. Dev.	5.3	5.3	4.2	2.7	2.3	2.4	2.3	2.2	2.6	2.5	3.1	4.3	
Num. Yrs.	88	88	88	87	87	88	88	88	88	88	88	87	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	718	552	410	159	34	2	0	0	14	105	396	649	3040
55	873	692	558	270	85	8	0	0	36	203	543	803	4070
57	934	748	619	322	116	13	1	1	51	253	603	865	4524
60	1027	833	711	406	175	28	2	2	83	337	693	957	5254
65	1182	974	865	554	304	81	10	16	171	489	842	1112	6600

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	1	15	94	298	478	426	186	24	0	0	1524
57	0	0	1	7	63	243	417	365	141	12	0	0	1250
60	0	0	0	2	30	168	325	273	84	4	0	0	886
65	0	0	0	0	4	71	178	132	22	0	0	0	409
70	0	0	0	0	0	17	61	34	3	0	0	0	114

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	12	22	79	234	476	740	942	891	601	306	64	16	4382
45	3	6	30	128	330	590	787	736	455	179	19	4	3266
50	1	1	8	54	198	442	633	581	314	81	3	1	2317
55	0	0	1	15	94	298	478	426	186	24	0	0	1524
60	0	0	0	2	30	168	325	273	84	4	0	0	886

Corn GDD 23 36 84 174 293 453 598 563 384 234 80 28 2950

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	66/1903	98	106	112	117	121	126	131	137	145	155/1977	80
32	89/1945	115	124	130	135	140	145	150	157	165	182/1963	79
28	130/1912	142	149	154	158	162	166	171	176	182	198/1974	78
24	138/1912	164	171	177	182	186	191	195	201	209	234/1978	76
20	170/1917	182	190	196	201	205	210	215	220	228	257/1981	74
16	175/1917	196	204	209	214	219	223	228	234	242	259/1963	72

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	4/22/1977	5/ 4	5/10	5/14	5/18	5/21	5/25	5/28	6/ 1	6/ 7	7/ 4/1903	80
32	4/10/1936	4/24	4/29	5/ 4	5/ 7	5/10	5/14	5/17	5/21	5/27	6/16/1945	79
28	3/30/1965	4/12	4/18	4/22	4/25	4/28	5/ 1	5/ 4	5/ 8	5/14	5/29/1947	78
24	3/17/1978	4/ 1	4/ 6	4/10	4/13	4/16	4/19	4/23	4/26	5/ 2	5/14/1912	76
20	3/ 8/1967	3/21	3/27	3/31	4/ 4	4/ 7	4/11	4/14	4/18	4/24	5/ 6/1917	74
16	3/ 4/1978	3/15	3/21	3/25	3/29	4/ 2	4/ 5	4/ 9	4/13	4/19	5/ 6/1917	72

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	8/22/1904	9/ 7	9/11	9/14	9/17	9/20	9/22	9/25	9/28	10/ 3	10/14/1963	80
32	8/25/1910	9/13	9/18	9/21	9/25	9/28	9/30	10/ 4	10/ 7	10/12	10/23/1972	79
28	9/ 9/1929	9/23	9/28	10/ 1	10/ 5	10/ 7	10/10	10/14	10/17	10/22	11/ 1/1963	78
24	9/12/1902	10/ 4	10/ 9	10/13	10/16	10/19	10/22	10/26	10/29	11/ 3	11/11/1965	76
20	9/25/1926	10/15	10/20	10/24	10/27	10/30	11/ 1	11/ 5	11/ 8	11/13	11/22/1965	74
16	10/ 9/1909	10/24	10/29	11/ 1	11/ 4	11/ 7	11/ 9	11/12	11/15	11/20	11/29/1963	72

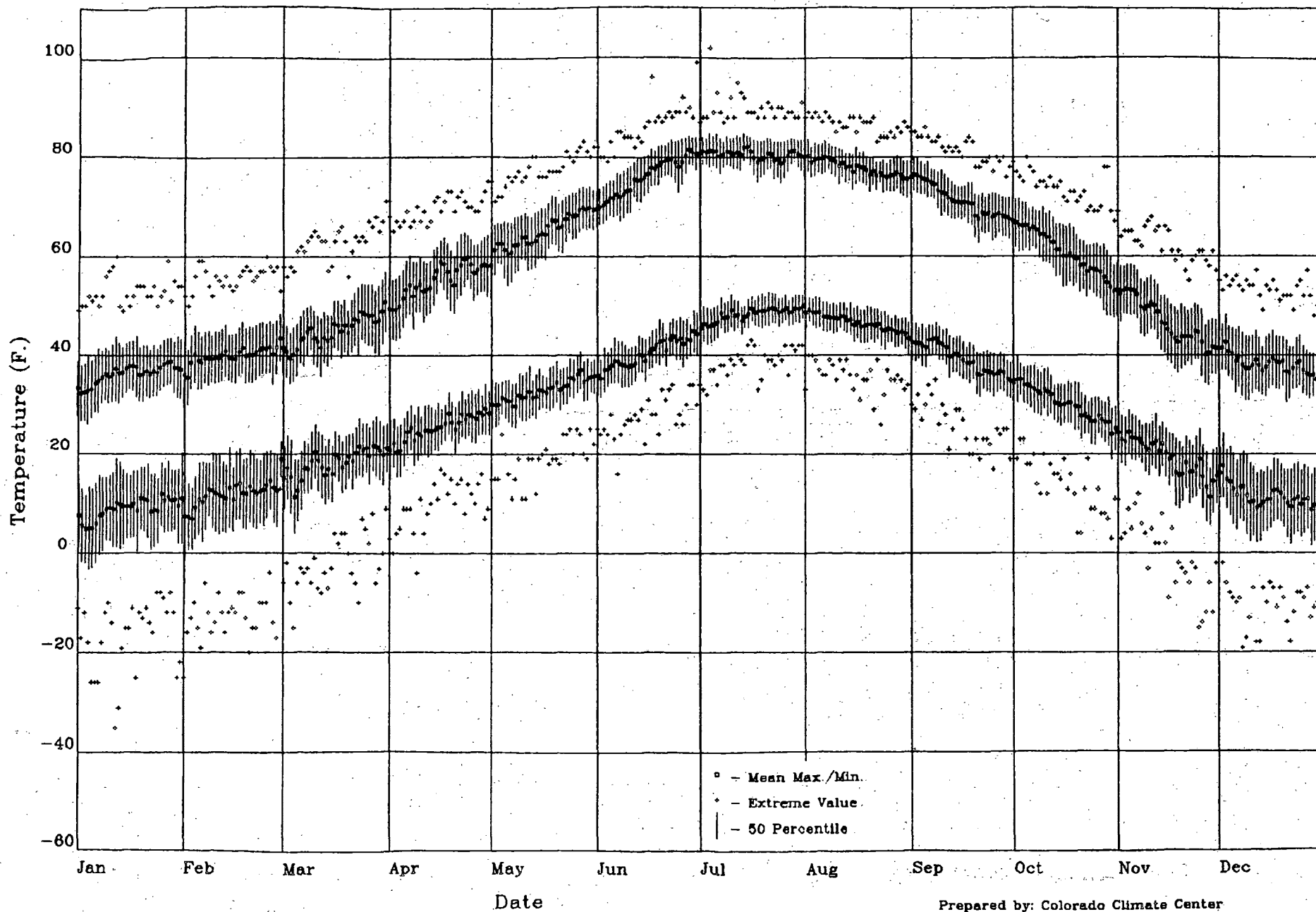
FORT LEWIS

Record: 40 years ending in 1987

Lat 37 14

Long 108 3

Elev 7600



Prepared by: Colorado Climate Center

Latitude: 37 14 Longitude: 108 3 Elevation: 7600 Period of Record: 48 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	36.2	39.9	45.0	55.2	64.9	75.9	80.5	77.8	71.4	60.9	46.9	38.2	57.7
Std. Dev.	3.8	3.6	4.1	3.7	3.2	2.8	2.0	2.0	2.7	4.2	4.0	3.7	
Mean Min.	8.9	11.8	18.3	25.5	32.8	40.3	48.2	46.5	39.4	30.4	19.3	11.4	27.7
Std. Dev.	4.1	4.9	3.3	2.5	2.2	2.6	2.0	2.4	2.6	2.7	3.3	4.1	
Num. Yrs.	39	39	39	38	39	38	37	38	39	37	40	39	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	835	668	557	286	89	7	0	0	13	154	491	763	3862
55	988	808	710	429	191	32	0	1	51	281	638	916	5046
57	1049	864	772	488	244	52	1	4	80	339	697	977	5568
60	1142	948	864	577	330	94	5	17	142	430	786	1069	6403
65	1295	1088	1017	726	480	203	50	94	277	581	933	1222	7965

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	14	130	292	228	71	3	0	0	738
57	0	0	0	0	6	91	231	170	41	1	0	0	540
60	0	0	0	0	1	46	144	91	14	0	0	0	297
65	0	0	0	0	0	8	37	16	1	0	0	0	62
70	0	0	0	0	0	0	3	1	0	0	0	0	4

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	1	15	95	286	538	748	684	461	205	18	0	3052
45	0	0	2	30	157	392	596	532	316	97	2	0	2125
50	0	0	0	5	63	252	444	379	179	28	0	0	1351
55	0	0	0	0	14	130	292	228	71	3	0	0	738
60	0	0	0	0	1	46	144	91	14	0	0	0	297

Corn GDD	1	5	24	104	229	380	476	433	315	175	35	3	2181
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	0/1987	35	46	54	61	67	74	81	89	100	113/1963	22	
32	61/1964	72	79	85	89	94	98	103	108	116	126/1963	18	
28	78/1985	87	97	105	112	118	124	131	138	149	172/1963	17	
24	97/1973	114	124	131	137	142	148	154	161	171	173/1963	15	
20	140/1985	148	157	164	169	174	180	185	191	200	207/1963	12	
16	173/1984	180	188	193	197	202	206	210	216	223	226/1985	12	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	5/30/1977	6/ 8	6/13	6/16	6/19	6/22	6/25	6/28	7/ 1	7/ 6	7/19/1987	22	
32	5/28/1960	5/31	6/ 4	6/ 7	6/ 9	6/11	6/14	6/16	6/19	6/22	6/27/1953	18	
28	5/ 8/1984	5/13	5/19	5/24	5/28	5/31	6/ 4	6/ 8	6/12	6/19	6/26/1985	17	
24	5/ 8/1961	5/ 5	5/11	5/15	5/18	5/22	5/25	5/29	6/ 2	6/ 8	6/19/1973	15	
20	4/20/1987	4/21	4/25	4/29	5/ 1	5/ 4	5/ 6	5/ 9	5/12	5/17	5/20/1960	12	
16	3/19/1986	3/30	4/ 6	4/10	4/14	4/18	4/22	4/26	4/30	5/ 7	5/ 8/1977	12	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	7/19/1987	8/ 3	8/12	8/18	8/23	8/29	9/ 3	9/ 8	9/14	9/23	10/13/1963	22	
32	8/17/1960	8/25	9/ 1	9/ 5	9/ 9	9/13	9/17	9/21	9/25	10/ 2	10/13/1963	18	
28	9/ 4/1953	9/ 4	9/12	9/17	9/22	9/26	10/ 1	10/ 5	10/11	10/18	10/31/1963	17	
24	9/18/1971	9/21	9/28	10/ 3	10/ 7	10/11	10/15	10/19	10/24	10/31	11/ 7/1962	15	
20	9/30/1961	10/ 4	10/11	10/17	10/21	10/25	10/29	11/ 3	11/ 8	11/15	11/17/1963	12	
16	10/13/1986	10/22	10/27	10/31	11/ 3	11/ 6	11/ 9	11/12	11/16	11/21	11/19/1962	12	

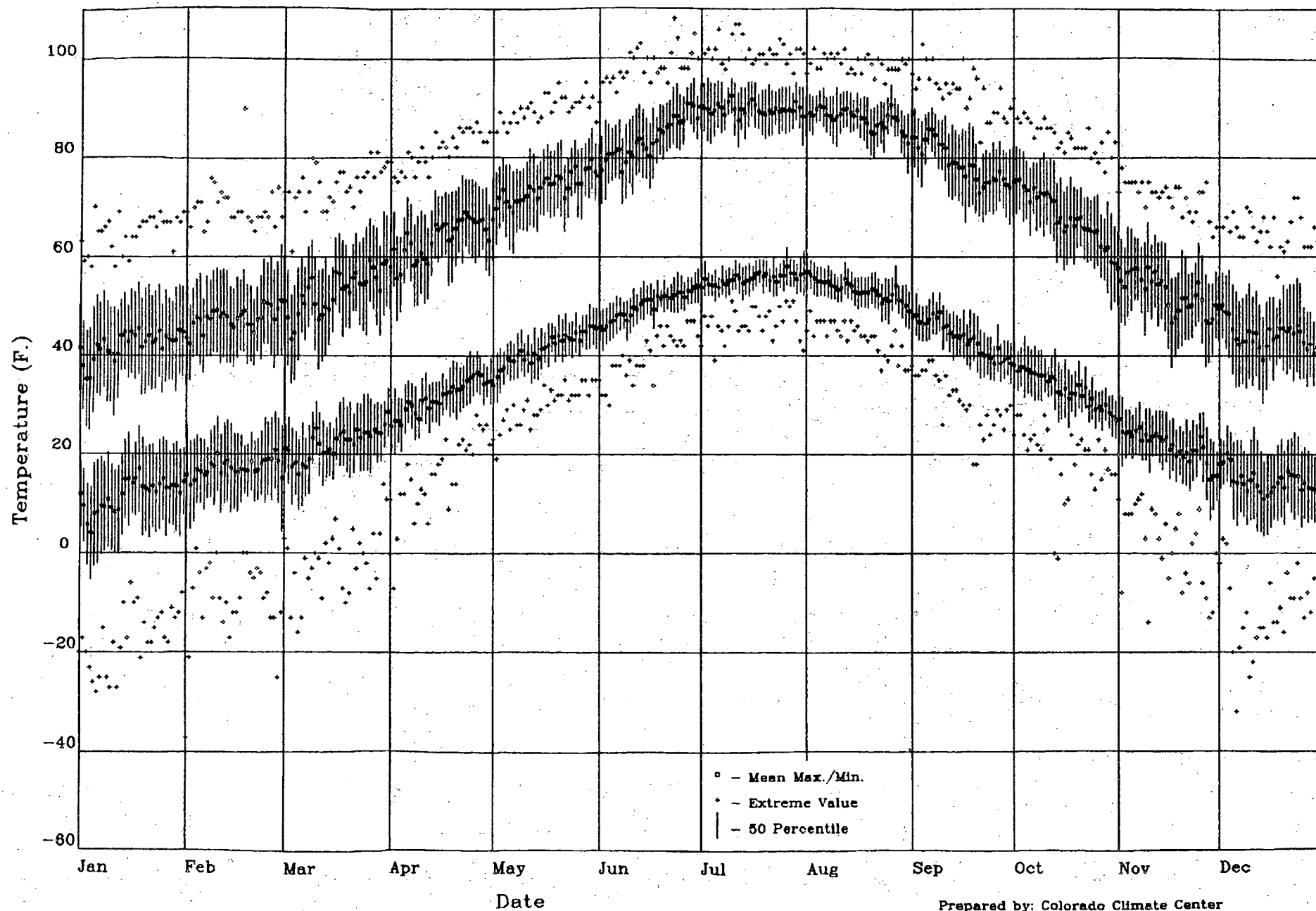
FORT LUPTON 2 SE

Record: 28 years ending in 1978

Lat 40 4

Long 104 47

Elev 5020



Prepared by: Colorado Climate Center

Latitude: 40 4 Longitude: 104 47 Elevation: 5020

Period of Record: 29 years ending in 1976

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	42.2	47.3	52.9	63.4	73.6	83.7	89.9	88.0	79.0	68.2	52.8	44.1	65.4
Std. Dev.	6.0	6.1	5.0	4.2	3.7	4.9	3.1	2.5	4.5	5.1	4.9	4.6	
Mean Min.	11.9	17.3	22.3	31.4	41.4	50.2	55.6	53.3	43.4	33.3	21.9	14.4	33.0
Std. Dev.	5.7	4.4	3.2	2.7	2.3	2.4	2.2	2.7	2.8	2.9	2.8	3.9	
Num. Yrs.	27	25	27	24	25	26	27	27	26	26	28	27	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	695	489	385	134	20	1	0	0	10	84	371	622	2811
55	846	626	529	239	53	5	0	0	28	168	515	773	3783
57	907	682	589	288	76	9	0	0	41	212	573	834	4211
60	999	765	680	368	123	17	1	1	69	287	662	924	4896
65	1151	905	832	511	230	52	4	7	143	431	809	1076	6152

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	2	23	136	362	553	480	218	45	1	0	1820
57	0	0	1	13	99	307	492	420	171	27	0	0	1531
60	0	0	0	5	56	227	400	330	110	11	0	0	1140
65	0	0	0	0	13	115	250	186	37	2	0	0	603
70	0	0	0	0	2	39	114	67	7	0	0	0	229

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	16	37	93	255	533	796	1013	932	635	351	75	16	4753
45	4	13	38	144	388	650	860	781	489	220	26	4	3617
50	1	3	11	65	252	504	706	631	348	114	5	1	2641
55	0	0	2	23	136	362	553	480	218	45	1	0	1820
60	0	0	0	5	56	227	400	330	110	11	0	0	1140

Corn GDD	31	50	109	213	356	487	622	579	423	286	98	36	3289
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	101/1962	102	109	113	117	120	124	128	132	138	152/1958	15	
32	114/1974	118	123	127	130	133	136	139	143	148	154/1958	13	
28	138/1965	142	150	156	162	167	172	177	183	192	202/1974	13	
24	163/1966	169	176	181	185	189	193	198	203	210	223/1965	12	
20	178/1966	187	194	200	204	209	213	218	223	231	234/1965	11	
16	196/1966	200	207	212	216	220	224	228	233	240	247/1965	11	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	5/ 1/1958	5/ 6	5/11	5/15	5/18	5/21	5/24	5/27	5/30	6/ 4	6/17/1969	15	
32	4/30/1958	5/ 6	5/ 9	5/11	5/13	5/15	5/16	5/18	5/20	5/23	5/24/1966	13	
28	4/13/1962	4/17	4/21	4/24	4/27	4/29	5/ 1	5/ 4	5/ 7	5/11	5/13/1966	13	
24	3/26/1965	3/31	4/ 6	4/ 9	4/13	4/16	4/19	4/22	4/26	5/ 1	5/ 2/1972	12	
20	3/15/1963	3/18	3/24	3/28	3/31	4/ 3	4/ 6	4/ 9	4/13	4/19	4/20/1966	11	
16	3/13/1967	3/16	3/21	3/25	3/28	3/31	4/ 3	4/ 6	4/ 9	4/14	4/20/1966	11	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	9/ 3/1961	9/ 5	9/10	9/13	9/15	9/18	9/21	9/23	9/26	10/ 1	10/ 2/1969	15	
32	9/10/1962	9/12	9/16	9/19	9/22	9/25	9/27	9/30	10/ 3	10/ 8	10/16/1963	13	
28	9/10/1962	9/22	9/29	10/ 4	10/ 9	10/13	10/17	10/21	10/26	11/ 2	11/ 4/1974	13	
24	10/ 1/1966	10/ 6	10/11	10/15	10/19	10/22	10/25	10/29	11/ 2	11/ 8	11/ 5/1960	12	
20	10/12/1969	10/16	10/20	10/23	10/26	10/29	10/31	11/ 3	11/ 6	11/11	11/15/1965	11	
16	10/13/1969	10/21	10/27	10/30	11/ 3	11/ 6	11/ 9	11/12	11/16	11/21	11/28/1965	11	

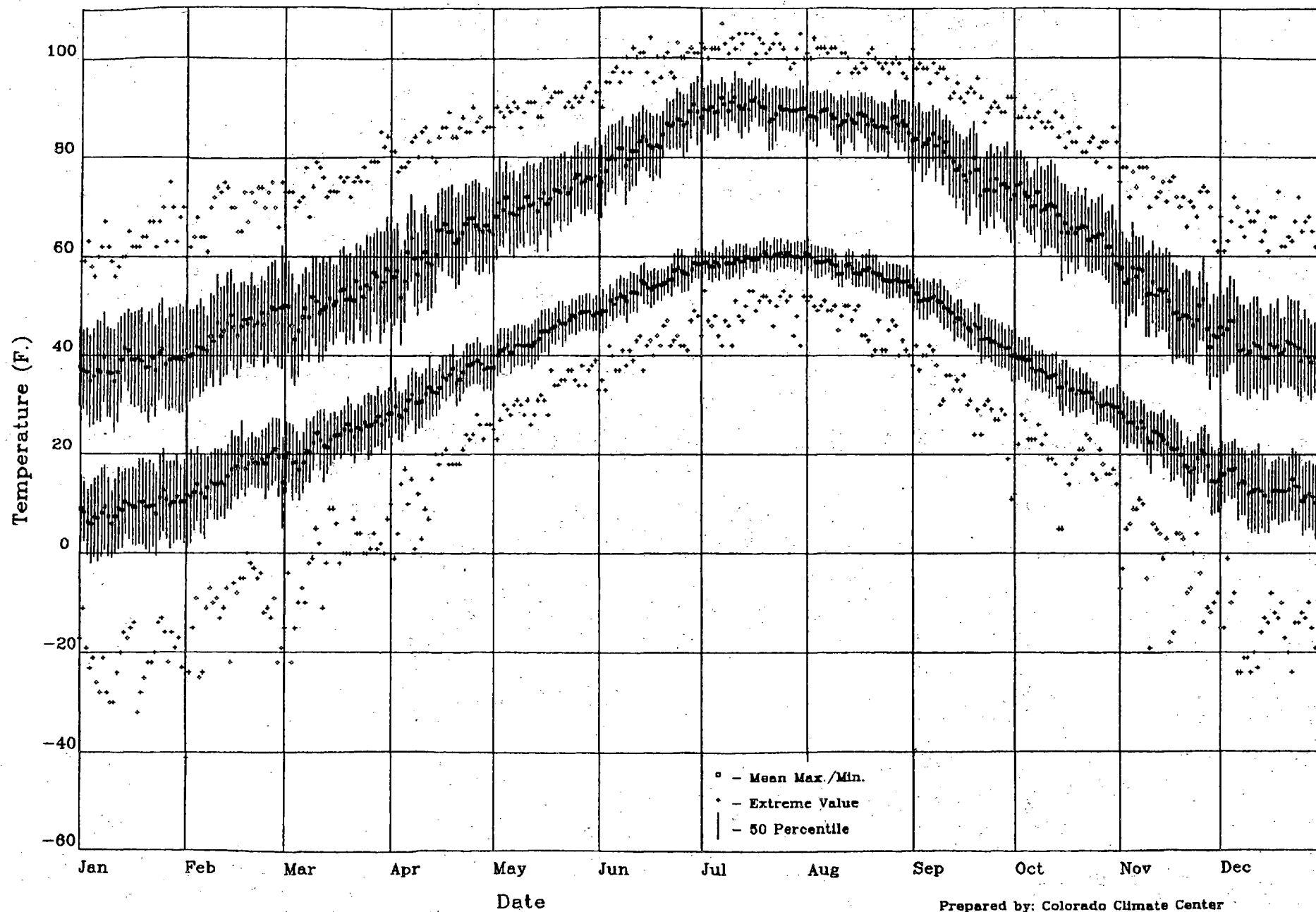
FORT MORGAN

Record: 40 years ending in 1987

Lat 40 15

Long 103 48

Elev 4320



Prepared by: Colorado Climate Center

Latitude: 40 15 Longitude: 103 48 Elevation: 4320

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	38.3	45.1	51.3	62.2	71.9	83.1	90.0	87.5	78.5	67.3	51.1	41.6	64.0
Std. Dev.	6.5	5.9	5.1	4.7	3.4	4.0	2.5	2.5	3.9	4.4	5.1	5.5	
Mean Min.	9.1	16.1	23.3	33.9	44.5	53.9	59.5	57.0	46.8	34.2	21.7	13.0	34.4
Std. Dev.	5.3	4.1	3.3	2.7	2.2	2.2	1.9	2.4	2.8	2.7	3.2	4.3	
Num. Yrs.	39	39	39	39	39	39	39	40	40	40	40	40	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	806	541	397	146	25	1	0	0	14	94	407	695	3125
55	960	681	541	242	62	6	0	0	31	177	552	850	4102
57	1022	737	602	287	85	9	0	1	42	219	611	912	4529
60	1115	822	694	364	128	19	1	2	66	293	701	1005	5209
65	1270	962	848	504	228	48	4	9	129	436	851	1160	6450

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	3	39	170	417	620	541	267	52	0	0	2109
57	0	0	1	25	131	361	558	480	218	33	0	0	1807
60	0	0	0	11	81	280	466	388	152	14	0	0	1392
65	0	0	0	1	26	160	314	240	65	1	0	0	808
70	0	0	0	0	4	69	172	111	17	0	0	0	373

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	6	27	93	287	574	862	1084	1006	688	358	72	11	5068
45	1	7	40	178	425	712	929	851	542	229	26	2	3941
50	0	1	13	94	287	563	774	696	400	124	5	0	2957
55	0	0	3	39	170	417	620	541	267	52	0	0	2109
60	0	0	0	11	81	280	466	388	152	14	0	0	1392

Corn GDD	20	45	99	208	349	531	684	635	433	278	89	28	3399
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	102/1951	119	124	128	131	134	137	140	144	149	156/1981	38	
32	128/1957	133	139	144	148	152	155	159	164	171	185/1963	38	
28	132/1983	151	159	165	170	174	179	184	189	197	224/1965	37	
24	159/1983	171	180	186	191	196	201	207	213	221	239/1965	37	
20	178/1966	191	199	204	209	213	217	222	227	234	244/1958	36	
16	202/1959	210	217	222	227	231	236	240	245	253	263/1979	35	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/22/1977	5/ 1	5/ 6	5/ 9	5/11	5/14	5/16	5/19	5/22	5/26	6/ 3/1954	38	
32	4/15/1986	4/22	4/26	4/29	5/ 1	5/ 4	5/ 6	5/ 8	5/11	5/15	5/17/1957	38	
28	3/30/1965	4/ 7	4/12	4/16	4/19	4/22	4/25	4/28	5/ 2	5/ 7	5/17/1957	37	
24	3/17/1960	3/27	4/ 1	4/ 4	4/ 7	4/ 9	4/12	4/15	4/18	4/23	5/ 2/1954	37	
20	3/ 9/1967	3/20	3/25	3/28	3/31	4/ 3	4/ 5	4/ 8	4/12	4/17	4/21/1982	36	
16	3/ 4/1979	3/ 9	3/15	3/18	3/22	3/25	3/28	3/31	4/ 4	4/ 9	4/13/1953	35	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 9/1962	9/13	9/17	9/20	9/22	9/24	9/27	9/29	10/ 2	10/ 6	10/17/1981	38	
32	9/ 9/1962	9/18	9/23	9/27	9/29	10/ 2	10/ 5	10/ 8	10/12	10/16	11/ 1/1963	38	
28	9/19/1971	9/28	10/ 3	10/ 7	10/10	10/13	10/16	10/20	10/23	10/29	11/ 9/1965	37	
24	9/19/1971	10/ 5	10/11	10/15	10/19	10/23	10/26	10/30	11/ 3	11/ 9	11/21/1965	37	
20	9/29/1985	10/16	10/22	10/26	10/29	11/ 2	11/ 5	11/ 8	11/12	11/18	11/22/1965	36	
16	9/30/1985	10/24	10/30	11/ 4	11/ 7	11/11	11/15	11/18	11/23	11/29	12/ 4/1949	35	

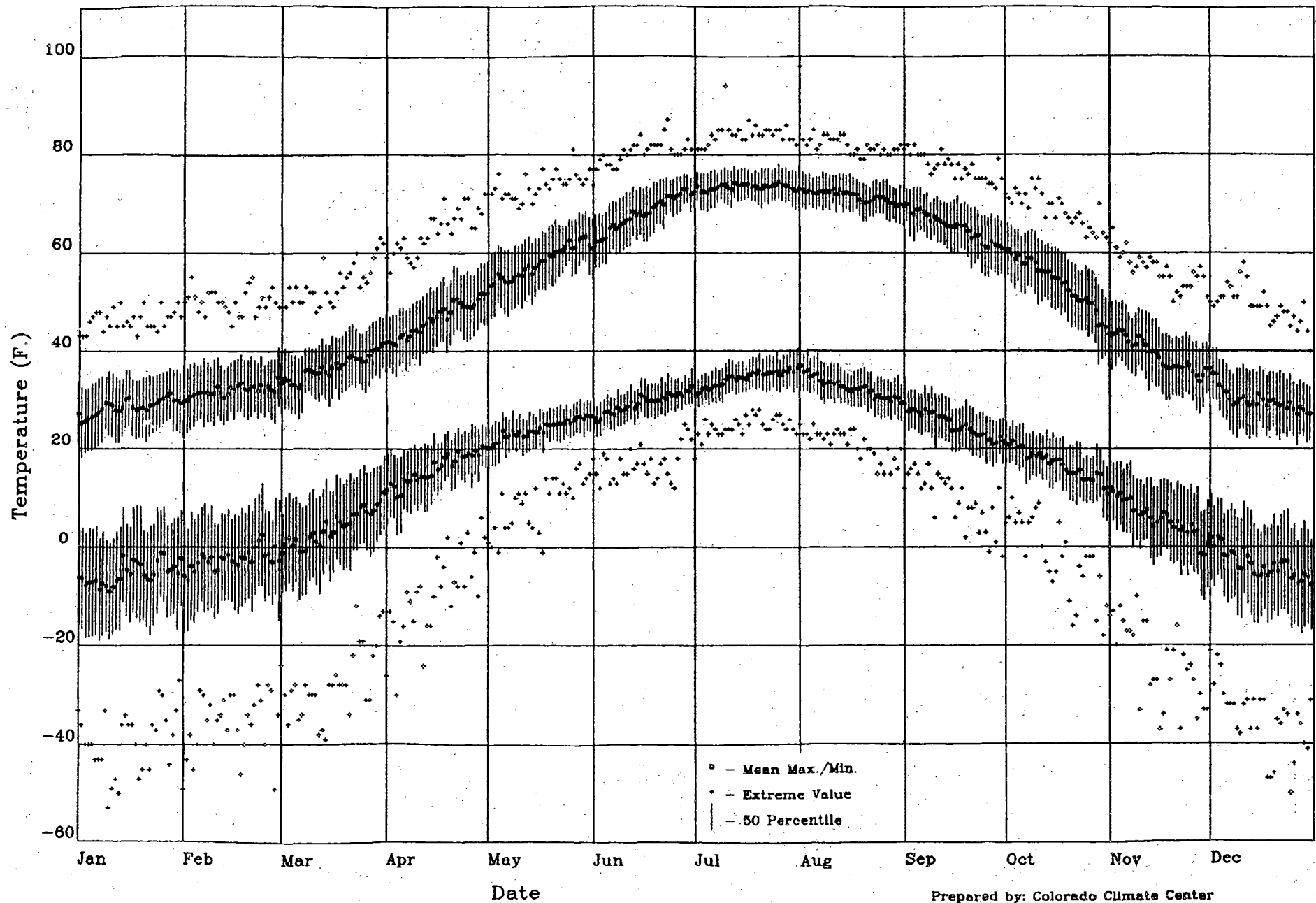
FRASER

Record: 64 years ending in 1975

Lat 39 57

Long 105 50

Elev 8580



Prepared by: Colorado Climate Center

Latitude: 39 57 Longitude: 105 50 Elevation: 8560 Period of Record: 67 years ending in 1975

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	28.5	31.8	36.8	46.4	57.9	67.9	73.4	71.6	65.3	54.0	39.2	30.0	50.2
Std. Dev.	3.5	3.9	3.8	4.3	3.7	3.3	2.5	2.7	3.6	4.3	4.0	4.1	
Mean Min.	-5.4	-2.4	4.1	16.0	24.1	29.4	34.4	32.6	25.0	16.9	5.9	-3.5	14.8
Std. Dev.	5.4	5.6	5.4	3.4	2.4	2.1	1.9	2.5	3.1	3.1	4.2	5.3	
Num. Yrs.	63	64	63	64	63	62	64	64	64	64	64	64	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1177	985	906	555	271	74	6	18	150	440	810	1124	6517
55	1332	1126	1061	705	423	185	54	95	289	594	959	1278	8101
57	1393	1182	1123	764	485	241	97	148	348	656	1019	1340	8796
60	1486	1266	1215	854	577	329	181	236	438	749	1109	1432	9872
65	1640	1407	1370	1004	730	478	334	388	587	903	1258	1587	11685

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	5	28	14	1	0	0	0	46
57	0	0	0	0	0	1	10	5	0	0	0	0	16
60	0	0	0	0	0	0	2	1	0	0	0	0	2
65	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	0	9	92	268	436	377	176	24	0	0	1383
45	0	0	0	1	22	137	282	226	64	2	0	0	733
50	0	0	0	0	2	42	134	89	11	0	0	0	278
55	0	0	0	0	0	5	28	14	1	0	0	0	46
60	0	0	0	0	0	0	2	1	0	0	0	0	2

Corn GDD 0 0 2 35 141 268 360 331 233 104 8 0 1482

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1915	0	0	0	2	3	4	5	6	8	24/1929	63
32	0/1920	0	0	3	5	7	9	11	14	17	32/1945	61
28	0/1939	7	15	21	26	31	36	41	47	55	69/1946	55
24	13/1924	38	48	55	61	66	72	78	85	94	105/1927	47
20	54/1968	77	85	91	96	101	106	111	117	125	139/1925	44
16	86/1924	108	116	123	128	133	138	143	149	158	176/1918	44

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/11/1914	7/15	7/16	7/17	7/17	7/18	7/18	7/19	7/19	7/20	7/19/1915	63
32	6/29/1954	7/10	7/12	7/13	7/14	7/16	7/17	7/18	7/19	7/21	7/19/1920	61
28	6/14/1919	6/26	6/29	7/ 2	7/ 4	7/ 7	7/ 9	7/11	7/14	7/17	7/19/1939	55
24	5/20/1949	6/ 4	6/ 9	6/13	6/17	6/20	6/23	6/26	6/30	7/ 6	7/12/1913	47
20	5/ 1/1949	5/12	5/18	5/23	5/27	5/31	6/ 4	6/ 8	6/13	6/19	7/ 1/1968	44
16	4/ 9/1943	4/20	4/27	5/ 2	5/ 6	5/10	5/14	5/18	5/23	5/30	6/20/1924	44

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1915	7/17	7/18	7/19	7/20	7/20	7/21	7/22	7/23	7/24	8/ 8/1929	63
32	7/19/1920	7/16	7/18	7/20	7/21	7/23	7/24	7/25	7/27	7/29	8/17/1945	61
28	7/19/1939	7/19	7/25	7/30	8/ 3	8/ 7	8/11	8/15	8/19	8/26	9/12/1947	55
24	7/22/1924	8/ 4	8/11	8/16	8/21	8/25	8/29	9/ 2	9/ 8	9/15	9/22/1919	47
20	8/18/1960	8/25	8/30	9/ 3	9/ 6	9/ 9	9/12	9/15	9/19	9/24	10/ 1/1915	44
16	8/24/1968	9/ 2	9/ 8	9/12	9/16	9/20	9/23	9/27	10/ 2	10/ 8	10/24/1918	44

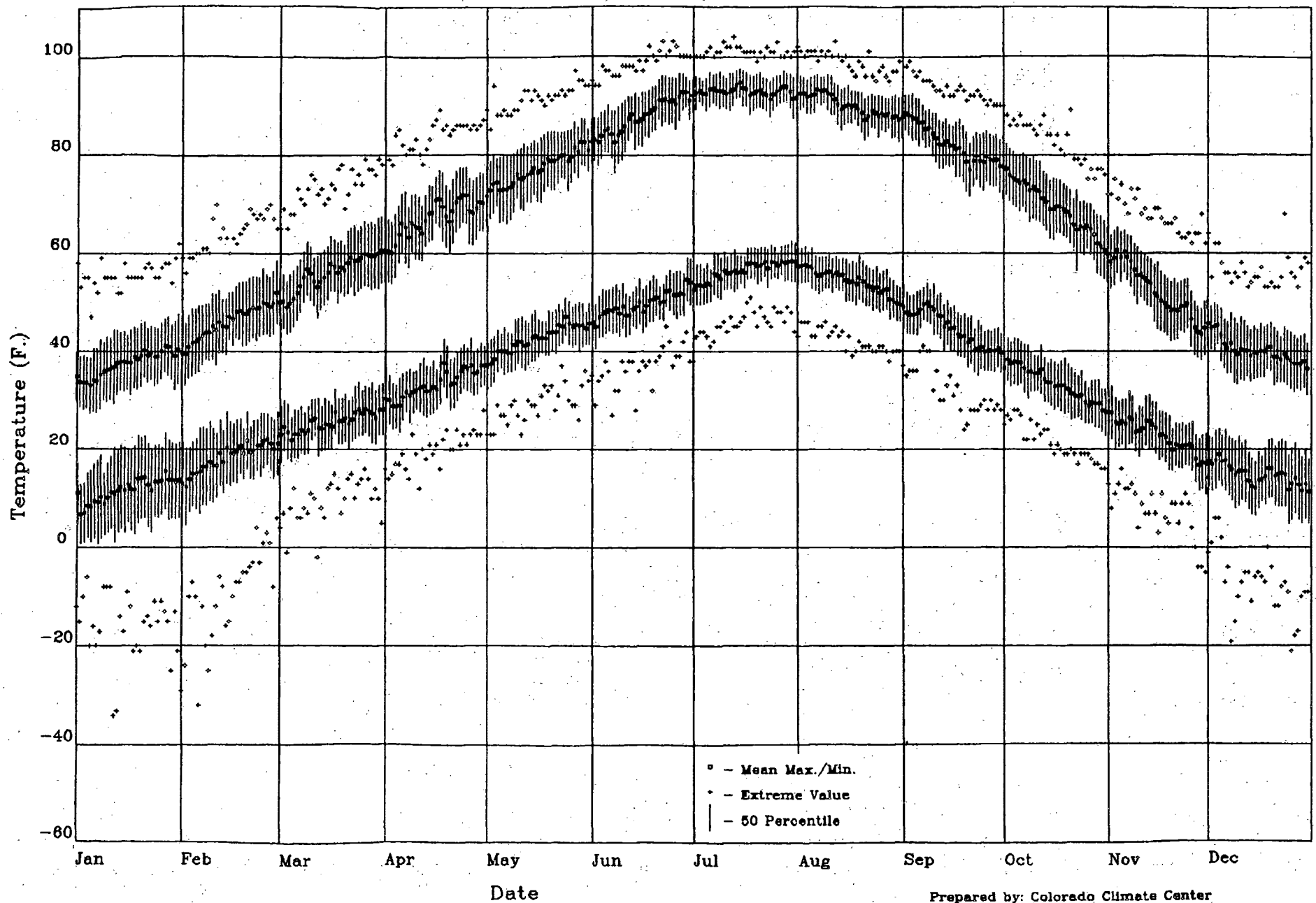
FRUITA

Record: 40 years ending in 1987

Lat 39 10

Long 108 44

Elev 4510



Prepared by: Colorado Climate Center

Latitude: 39 10 Longitude: 108 44 Elevation: 4510 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	37.6	45.8	55.8	67.2	77.1	87.8	93.0	90.1	82.5	69.6	52.4	40.3	66.6
Std. Dev.	5.9	6.0	3.7	3.8	3.5	3.2	1.9	2.2	3.4	4.4	4.0	4.9	
Mean Min.	11.8	18.2	25.5	33.3	42.6	49.6	56.4	54.4	44.6	33.3	22.7	14.8	33.9
Std. Dev.	6.5	6.0	3.0	2.0	1.9	2.4	1.9	2.9	2.8	2.8	3.0	4.4	
Num. Yrs.	38	37	37	38	37	37	38	37	38	39	37	38	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	772	498	286	79	8	0	0	0	2	62	366	685	2758
55	926	638	432	166	31	1	0	0	9	142	515	839	3700
57	988	694	493	212	46	3	0	0	15	186	575	900	4112
60	1080	778	585	289	79	8	0	0	30	264	665	993	4769
65	1234	918	738	431	171	29	0	3	86	412	815	1146	5984

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	1	33	187	417	616	536	271	41	0	0	2102
57	0	0	0	19	141	359	555	475	217	23	0	0	1789
60	0	0	0	7	83	274	462	383	143	8	0	0	1359
65	0	0	0	1	22	147	308	232	50	1	0	0	761
70	0	0	0	0	2	54	159	101	9	0	0	0	324

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	1	14	98	318	614	863	1078	997	707	369	55	3	5118
45	0	2	33	191	462	714	924	843	559	229	14	1	3973
50	0	0	7	94	317	565	770	690	413	115	1	0	2973
55	0	0	1	33	187	417	616	536	271	41	0	0	2102
60	0	0	0	7	83	274	462	383	143	8	0	0	1359

Corn GDD	4	29	112	258	415	540	654	618	477	307	78	6	3500
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	96/1951	99	106	110	115	118	122	126	131	138	154/1963	27	
32	100/1973	120	128	134	139	144	149	154	160	169	176/1949	25	
28	143/1971	149	156	161	165	170	174	178	183	190	200/1981	25	
24	165/1951	171	178	182	186	190	193	197	202	208	218/1957	25	
20	192/1967	196	204	210	215	219	224	228	234	242	257/1981	24	
16	196/1960	209	220	227	233	239	244	251	258	268	287/1972	20	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/27/1952	5/ 8	5/14	5/18	5/21	5/24	5/28	5/31	6/ 4	6/10	6/19/1973	27	
32	4/17/1949	4/24	4/30	5/ 4	5/ 8	5/12	5/15	5/19	5/23	5/29	6/19/1973	25	
28	4/ 6/1981	4/14	4/19	4/22	4/25	4/28	4/30	5/ 3	5/ 6	5/11	5/28/1973	25	
24	3/28/1964	4/ 4	4/ 9	4/12	4/15	4/18	4/21	4/24	4/27	5/ 2	5/11/1953	25	
20	3/ 4/1949	3/17	3/22	3/26	3/29	4/ 1	4/ 4	4/ 7	4/11	4/16	4/21/1967	24	
16	2/ 2/1968	2/25	3/ 5	3/11	3/16	3/21	3/25	3/30	4/ 5	4/13	4/17/1960	20	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 2/1962	9/ 7	9/11	9/15	9/17	9/20	9/22	9/25	9/28	10/ 3	10/14/1963	27	
32	9/12/1951	9/19	9/24	9/27	9/30	10/ 3	10/ 6	10/ 9	10/12	10/17	10/23/1972	25	
28	9/18/1971	9/29	10/ 4	10/ 8	10/11	10/14	10/17	10/20	10/24	10/29	11/ 1/1963	25	
24	9/19/1971	10/11	10/15	10/19	10/22	10/25	10/27	10/30	11/ 3	11/ 7	11/ 9/1953	25	
20	10/16/1952	10/23	10/28	10/31	11/ 3	11/ 6	11/ 9	11/12	11/15	11/20	11/28/1965	24	
16	10/30/1960	10/31	11/ 5	11/ 8	11/11	11/14	11/17	11/20	11/24	11/29	12/17/1965	20	

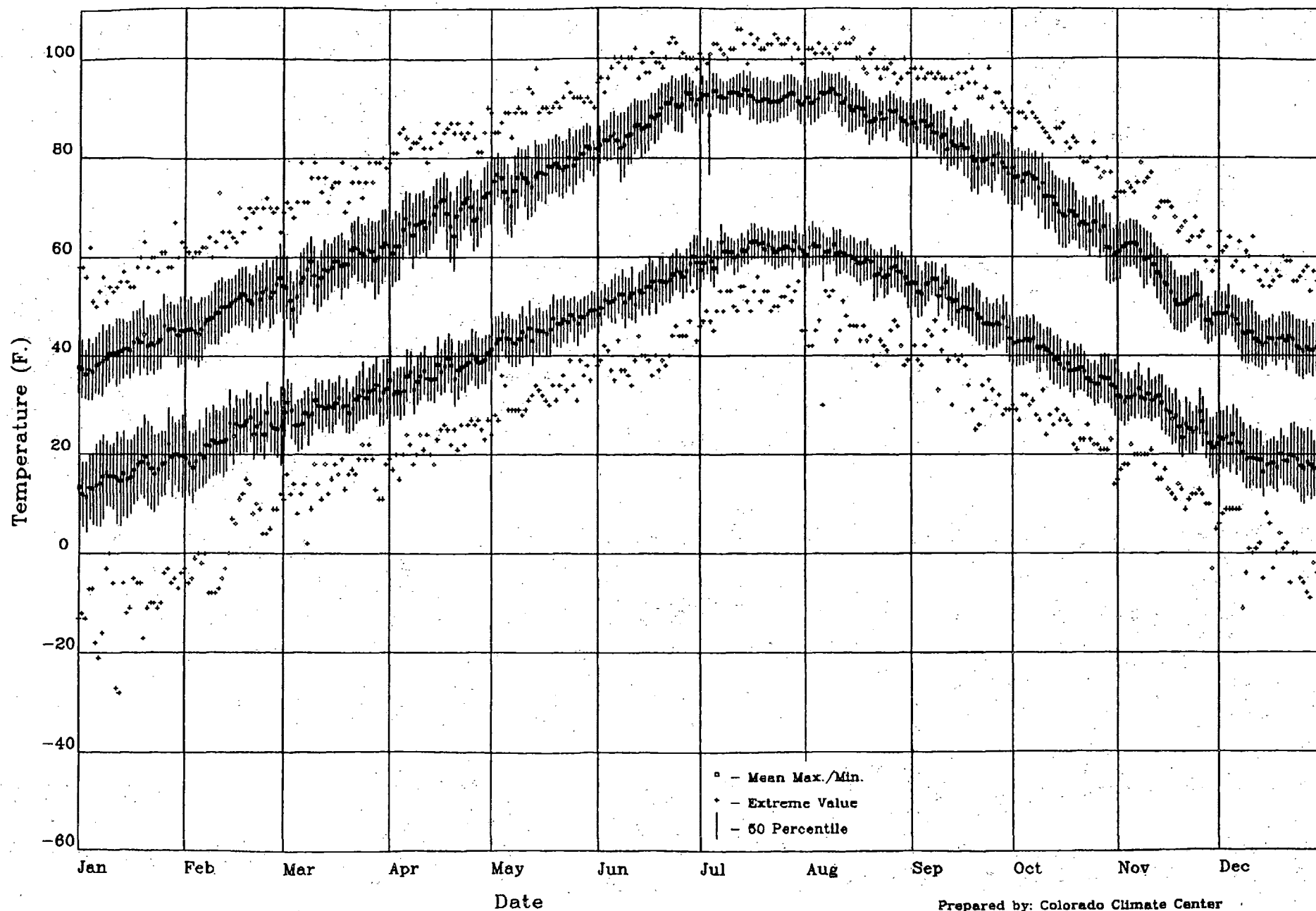
GATEWAY 1 SW

Record: 32 years ending in 1987

Lat 38 41

Long 108 59

Elev 4560



Latitude: 38 41 Longitude: 108 59 Elevation: 4560 Period of Record: 41 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	41.5	49.6	57.9	67.5	77.0	87.2	92.1	90.0	82.2	70.1	55.3	43.7	67.8
Std. Dev.	5.6	4.9	3.9	3.7	3.7	4.1	2.6	2.6	3.2	4.3	3.8	4.0	
Mean Min.	16.4	23.4	30.2	36.5	45.4	53.8	61.2	59.1	50.1	38.5	28.4	19.4	38.5
Std. Dev.	6.5	5.5	3.4	3.0	2.8	3.1	2.2	3.4	3.3	2.9	3.1	4.6	
Num. Yrs.	31	30	31	30	29	31	30	27	31	31	31	30	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	637	364	199	60	4	0	1	0	1	35	241	543	2085
55	789	497	329	133	22	1	1	0	6	91	373	693	2933
57	851	550	385	171	35	2	1	0	10	124	430	753	3311
60	942	632	473	238	64	6	1	0	20	185	516	842	3919
65	1095	767	622	368	140	22	1	2	55	313	660	992	5037

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	7	53	210	451	639	584	324	77	1	0	2347
57	0	0	3	34	165	395	581	525	272	51	0	0	2027
60	0	0	1	16	106	313	494	436	198	23	0	0	1587
65	0	0	0	2	37	187	348	290	93	4	0	0	961
70	0	0	0	0	5	88	204	155	26	0	0	0	479

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	10	46	163	355	624	878	1076	1027	739	430	120	13	5482
45	1	13	75	228	479	736	931	879	599	291	50	2	4285
50	0	3	27	125	338	593	785	731	460	168	13	0	3243
55	0	1	7	53	210	451	639	584	324	77	1	0	2347
60	0	0	1	16	106	313	494	436	198	23	0	0	1587

Corn GDD	11	47	133	254	403	549	681	654	475	299	101	12	3619
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	122/1982	115	123	130	135	140	145	150	157	165	158/1984	4	
32	126/1983	128	137	143	149	154	159	165	171	180	175/1985	4	
28	154/1982	152	165	174	182	189	196	204	213	225	216/1985	4	
24	173/1982	166	181	192	201	210	218	228	238	253	255/1985	4	
20	243/1982	241	246	250	253	256	258	262	265	270	264/1984	3	
16	266/1984	266	266	266	266	266	266	266	266	266	266/1984	1	

Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/27/1985	4/24	5/ 1	5/ 7	5/11	5/16	5/20	5/24	5/30	6/ 6	6/ 6/1982	4	
32	4/23/1985	4/24	4/28	5/ 2	5/ 5	5/ 7	5/10	5/13	5/16	5/21	5/18/1983	4	
28	3/30/1985	3/29	4/ 6	4/12	4/17	4/21	4/25	4/30	5/ 6	5/14	5/10/1982	4	
24	3/ 4/1985	3/ 8	3/19	3/27	4/ 3	4/10	4/16	4/23	5/ 1	5/12	4/29/1984	4	
20	3/ 4/1985	3/ 1	3/ 4	3/ 6	3/ 8	3/10	3/12	3/14	3/16	3/19	3/18/1982	3	
16	3/ 6/1984	3/ 6	3/ 6	3/ 6	3/ 6	3/ 6	3/ 6	3/ 6	3/ 6	3/ 6	3/ 6/1984	1	

Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/21/1983	9/21	9/25	9/28	9/30	10/ 3	10/ 5	10/ 7	10/10	10/14	10/13/1984	4	
32	9/21/1983	9/23	9/28	10/ 2	10/ 5	10/ 8	10/11	10/14	10/18	10/23	10/16/1984	4	
28	10/11/1982	10/11	10/16	10/20	10/24	10/27	10/30	11/ 2	11/ 6	11/12	11/ 9/1983	4	
24	10/11/1982	10/14	10/22	10/27	11/ 1	11/ 5	11/10	11/14	11/20	11/27	11/18/1984	4	
20	11/16/1982	11/13	11/16	11/18	11/19	11/21	11/22	11/24	11/25	11/28	11/27/1984	3	
16	11/27/1984	11/27	11/27	11/27	11/27	11/27	11/27	11/27	11/27	11/27	11/27/1984	1	

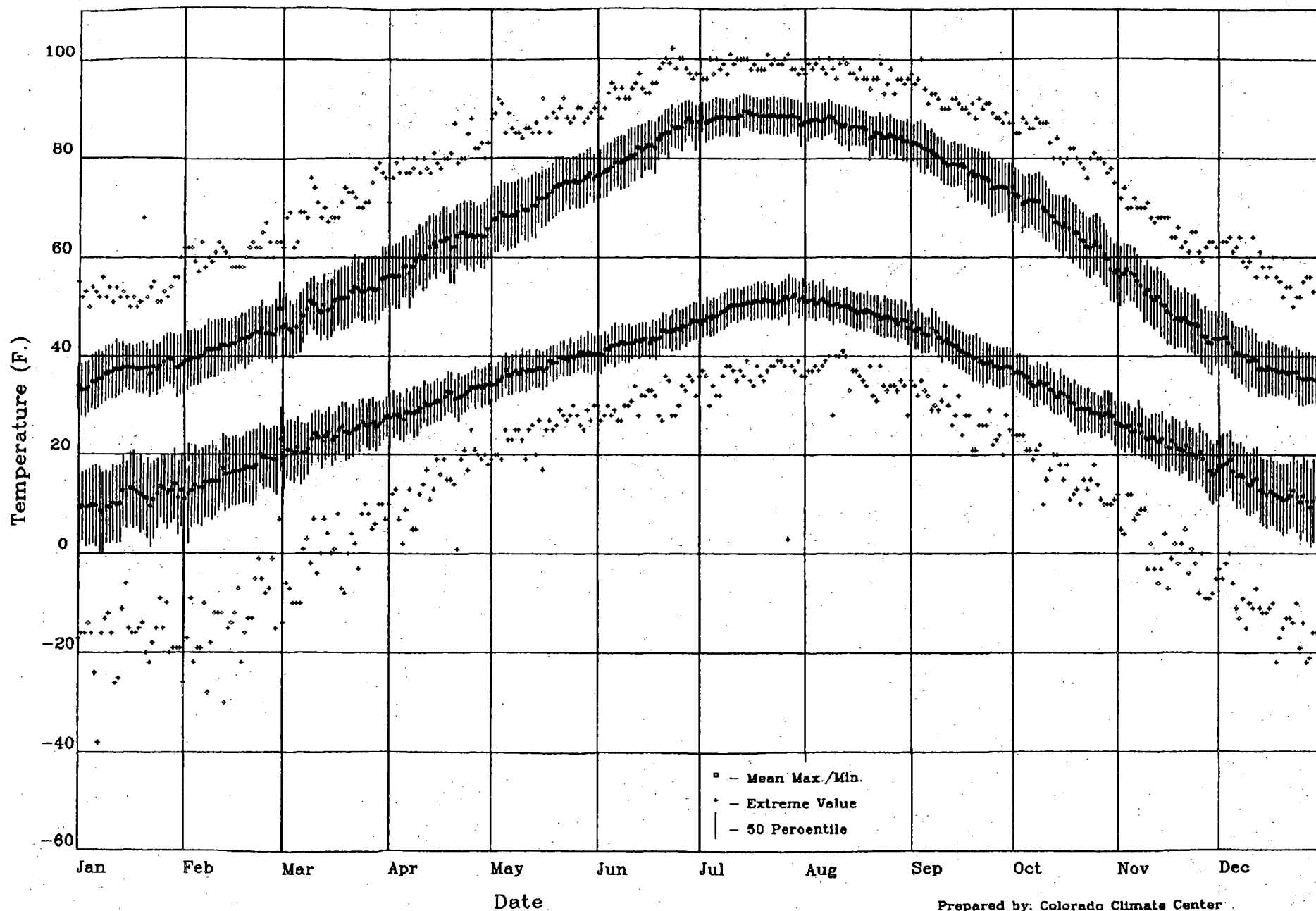
GLENWOOD SPRINGS 1 N

Record: 83 years ending in 1987

Lat 39 34

Long 107 20

Elev 5820



Prepared by: Colorado Climate Center

Latitude: 39 34 Longitude: 107 20 Elevation: 5820 Period of Record: 88 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	36.9	42.5	50.8	61.3	72.0	82.3	88.4	85.9	78.3	66.4	50.0	38.2	62.7
Std. Dev.	3.9	4.4	4.1	4.1	4.0	3.3	2.8	2.6	3.6	3.9	4.1	4.2	
Mean Min.	11.0	16.2	23.9	30.8	38.0	43.7	50.3	49.2	41.5	31.7	22.0	13.2	31.0
Std. Dev.	5.5	5.8	3.8	2.8	2.7	3.1	3.5	3.6	2.9	3.5	3.5	5.4	
Num. Yrs.	80	80	77	78	75	80	80	79	75	79	77	82	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	790	575	386	148	28	1	0	0	5	94	413	740	3179
55	943	716	539	267	76	8	0	0	20	195	562	893	4219
57	1004	773	601	322	107	14	0	1	33	246	622	955	4677
60	1096	857	693	410	168	32	1	3	65	332	711	1047	5416
65	1249	998	848	559	303	96	12	23	160	484	861	1201	6793

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	8	84	251	452	395	174	19	0	0	1382
57	0	0	0	3	53	198	390	333	127	9	0	0	1114
60	0	0	0	0	22	128	298	243	69	2	0	0	762
65	0	0	0	0	2	44	153	109	15	0	0	0	323
70	0	0	0	0	0	7	44	25	2	0	0	0	77

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	7	57	214	471	686	916	858	601	299	39	2	4150
45	0	1	15	108	323	538	761	703	453	171	8	0	3081
50	0	0	2	38	189	392	606	549	308	73	1	0	2159
55	0	0	0	8	84	251	452	395	174	19	0	0	1382
60	0	0	0	0	22	128	298	243	69	2	0	0	762

Corn GDD	1	11	64	181	340	461	574	548	421	258	61	4	2925
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1902	51	64	73	81	89	96	104	114	127	144/1925	61
32	58/1903	93	103	110	116	122	128	134	141	151	161/1958	57
28	69/1931	117	128	136	143	149	156	163	171	182	191/1947	50
24	77/1931	148	159	167	174	181	188	195	203	215	227/1960	44
20	109/1931	168	180	189	196	203	210	218	227	239	245/1939	41
16	122/1931	191	203	212	220	227	234	241	250	262	266/1947	34

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/ 1/1925	5/20	5/27	6/ 2	6/ 6	6/11	6/15	6/20	6/25	7/ 3	7/19/1902	61
32	4/23/1959	5/ 3	5/10	5/16	5/20	5/24	5/28	6/ 2	6/ 7	6/14	7/ 4/1903	57
28	4/ 6/1985	4/15	4/22	4/28	5/ 2	5/ 7	5/11	5/15	5/21	5/28	6/13/1915	50
24	3/17/1960	4/ 2	4/ 8	4/12	4/15	4/19	4/22	4/26	4/30	5/ 6	5/14/1967	44
20	3/13/1947	3/17	3/24	3/28	4/ 2	4/ 6	4/ 9	4/14	4/18	4/25	5/14/1967	41
16	3/ 1/1947	3/ 7	3/13	3/17	3/21	3/24	3/27	3/31	4/ 4	4/ 9	4/16/1910	34

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1902	8/16	8/24	8/29	9/ 3	9/ 8	9/12	9/17	9/23	10/ 1	10/ 9/1938	61
32	7/27/1931	9/ 4	9/10	9/15	9/19	9/23	9/27	10/ 1	10/ 6	10/13	10/25/1947	57
28	7/27/1931	9/13	9/20	9/25	9/29	10/ 3	10/ 7	10/11	10/16	10/23	10/26/1953	50
24	7/27/1931	9/24	10/ 2	10/ 7	10/12	10/17	10/21	10/26	11/ 1	11/ 9	11/ 9/1983	44
20	7/27/1931	10/ 2	10/10	10/16	10/21	10/26	10/31	11/ 5	11/11	11/19	11/16/1939	41
16	7/27/1931	10/10	10/19	10/26	10/31	11/ 6	11/11	11/17	11/23	12/ 3	11/28/1965	34

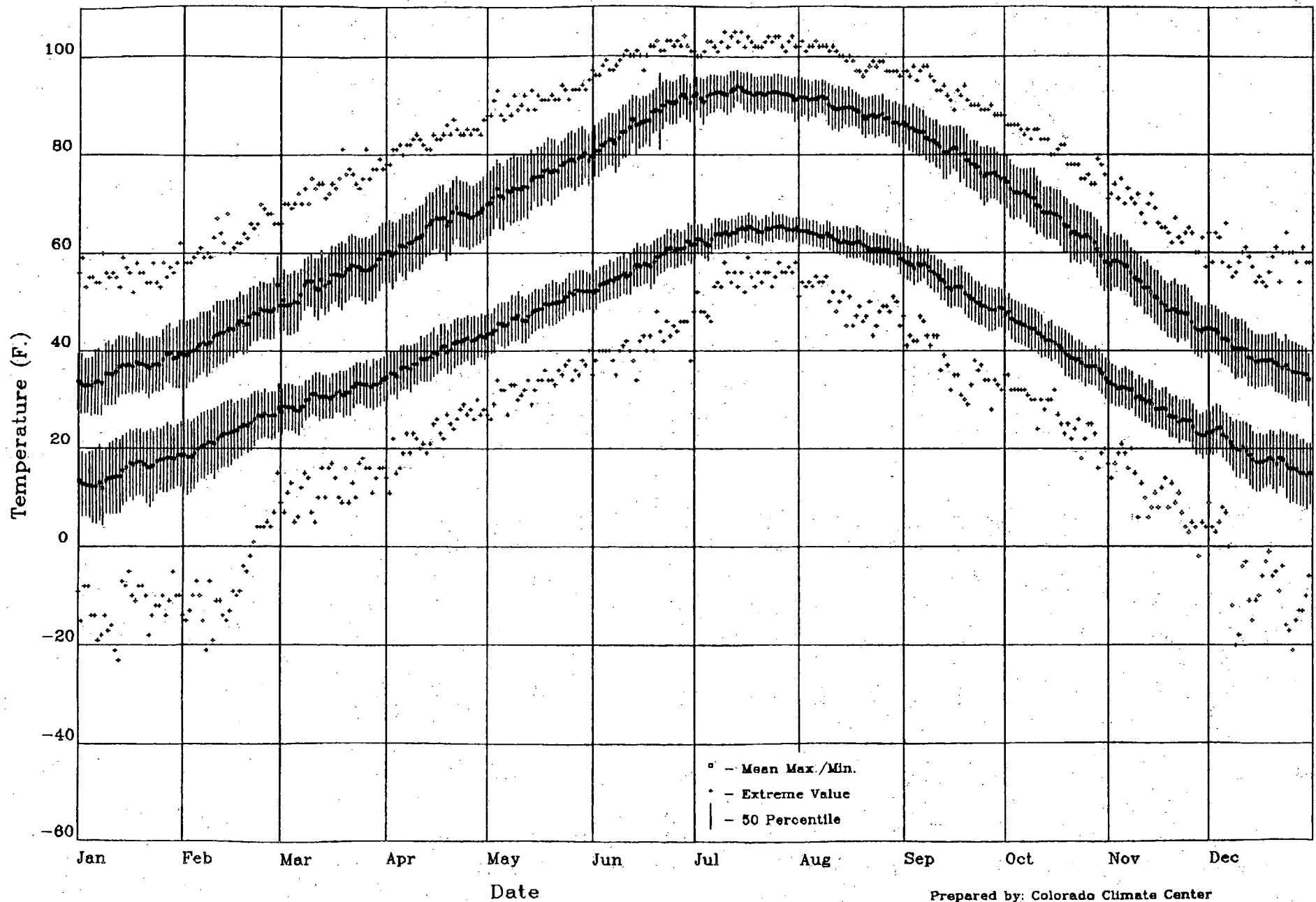
GRAND JUNCTION WSO AP

Record: 88 years ending in 1987

Lat 39 7

Long 108 32

Elev 4850



Prepared by: Colorado Climate Center

Latitude: 39 7 Longitude: 108 32 Elevation: 4850

Period of Record: 88 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	36.2	44.3	54.5	65.0	75.2	86.5	92.4	89.3	80.5	67.4	51.3	38.9	65.1
Std. Dev.	5.8	5.7	4.0	3.7	3.5	3.3	2.2	2.3	3.0	3.7	3.7	5.0	
Mean Min.	15.5	23.1	31.0	39.3	48.4	57.3	64.1	62.0	53.1	41.2	28.4	18.7	40.2
Std. Dev.	6.5	5.8	3.0	2.8	2.5	2.5	1.6	1.9	2.4	2.7	3.0	5.1	
Num. Yrs.	88	88	88	88	88	88	88	88	88	88	88	88	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	740	453	236	67	8	0	0	0	2	42	303	649	2500
55	895	594	375	141	28	1	0	0	7	101	447	804	3391
57	957	650	435	180	42	3	0	0	11	135	506	865	3784
60	1050	734	526	248	71	6	0	0	21	199	596	958	4410
65	1205	876	681	381	145	21	0	1	55	329	745	1113	5552

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	4	63	246	516	729	647	369	86	1	0	2662
57	0	0	2	42	198	458	667	585	313	59	0	0	2324
60	0	0	0	20	134	371	575	492	234	29	0	0	1855
65	0	0	0	3	53	236	420	338	118	5	0	0	1173
70	0	0	0	0	11	122	267	191	38	0	0	0	630

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	3	27	148	378	682	965	1194	1112	812	452	90	6	5869
45	0	5	65	246	529	815	1039	957	663	308	32	1	4659
50	0	1	20	139	380	665	884	802	514	182	7	0	3594
55	0	0	4	63	246	516	729	647	369	86	1	0	2662
60	0	0	0	20	134	371	575	492	234	29	0	0	1855

Corn GDD	3	22	101	233	418	611	769	724	515	277	67	5	3744
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	115/1976	137	145	151	155	160	165	169	175	183	204/1926	81	
32	137/1978	159	167	173	179	183	188	193	199	208	231/1914	81	
28	163/1968	187	194	200	205	209	214	219	224	232	251/1941	80	
24	191/1911	206	213	219	223	227	231	236	241	248	264/1912	72	
20	204/1951	221	230	236	241	246	251	256	262	271	287/1939	59	
16	217/1917	237	247	255	262	268	274	280	288	299	308/1968	37	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	4/ 2/1926	4/18	4/24	4/28	5/ 2	5/ 5	5/ 9	5/12	5/17	5/23	6/14/1976	81	
32	3/21/1940	4/ 5	4/11	4/14	4/18	4/21	4/24	4/27	5/ 1	5/ 7	5/15/1916	81	
28	3/13/1941	3/22	3/27	3/31	4/ 4	4/ 7	4/10	4/13	4/17	4/23	5/ 7/1968	80	
24	2/28/1912	3/12	3/18	3/21	3/24	3/27	3/30	4/ 2	4/ 6	4/11	4/21/1967	72	
20	2/ 2/1968	2/28	3/ 6	3/10	3/14	3/18	3/21	3/25	3/30	4/ 5	4/13/1974	59	
16	1/25/1968	2/13	2/21	2/27	3/ 4	3/ 9	3/14	3/19	3/25	4/ 2	4/ 4/1945	37	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	9/15/1912	9/28	10/ 3	10/ 7	10/ 9	10/12	10/15	10/18	10/21	10/26	11/ 1/1907	81	
32	9/18/1971	10/ 6	10/11	10/15	10/18	10/21	10/24	10/27	10/31	11/ 5	11/26/1965	81	
28	9/27/1908	10/19	10/24	10/28	10/30	11/ 2	11/ 5	11/ 8	11/11	11/16	11/28/1965	80	
24	10/11/1946	10/28	11/ 1	11/ 4	11/ 7	11/10	11/12	11/15	11/18	11/22	11/28/1920	72	
20	10/24/1975	11/ 3	11/ 9	11/12	11/16	11/19	11/22	11/26	11/30	12/ 5	12/19/1939	59	
16	10/29/1917	11/13	11/19	11/24	11/28	12/ 2	12/ 5	12/ 9	12/14	12/20	12/31/1980	37	

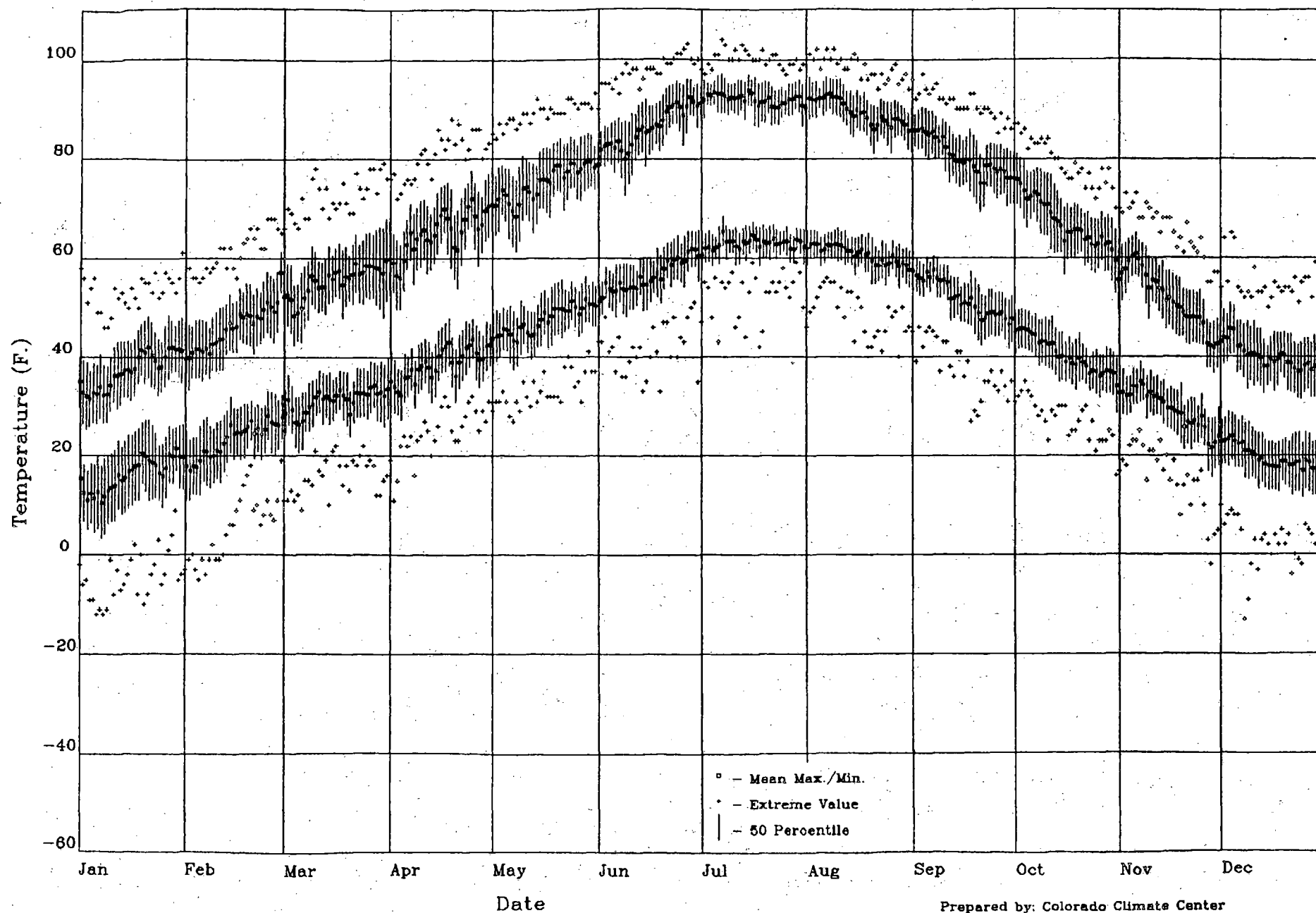
GRAND JUNCTION 6 ESE

Record: 26 years ending in 1987

Lat 39 3

Long 108 27

Elev 4760



Prepared by: Colorado Climate Center

Latitude: 39 3 Longitude: 108 27 Elevation: 4760

Period of Record: 26 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	37.3	45.6	55.3	64.9	75.0	86.1	92.0	89.5	80.5	67.5	51.9	40.0	65.5
Std. Dev.	5.7	5.4	4.2	4.0	3.3	3.2	1.6	2.4	2.9	4.3	3.4	4.6	
Mean Min.	16.1	23.1	31.3	38.6	47.4	56.4	62.9	60.7	52.0	40.4	29.3	19.6	39.8
Std. Dev.	6.4	5.1	3.3	2.4	2.1	2.0	1.8	2.0	2.1	2.8	2.6	4.3	
Num. Yrs.	24	24	24	25	25	26	26	25	24	26	25	25	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	710	437	230	78	11	0	0	0	3	47	286	618	2419
55	864	577	364	154	34	2	0	0	10	108	426	773	3311
57	926	633	421	193	50	3	0	0	15	143	485	835	3705
60	1019	718	511	261	83	8	0	0	27	207	575	928	4337
65	1173	859	665	393	161	25	0	2	64	337	725	1083	5487

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	8	64	233	493	702	630	352	82	1	0	2566
57	0	0	4	44	187	435	640	568	297	56	0	0	2232
60	0	0	1	22	127	350	548	475	220	28	0	0	1771
65	0	0	0	4	51	218	393	322	108	4	0	0	1100
70	0	0	0	0	10	111	241	179	34	0	0	0	576

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	4	35	162	367	663	937	1166	1095	790	440	108	7	5774
45	0	9	77	240	510	789	1011	940	641	299	44	1	4562
50	0	1	29	138	364	640	857	785	494	175	11	0	3494
55	0	0	8	64	233	493	702	630	352	82	1	0	2566
60	0	0	1	22	127	350	548	475	220	28	0	0	1771

Corn GDD 4 27 109 231 412 596 749 707 502 276 73 5 3691

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	78/1968	105	115	123	129	135	141	148	156	166	177/1987	21
32	132/1965	137	145	150	155	160	164	169	175	182	201/1987	20
28	151/1978	165	175	182	188	194	200	207	214	224	229/1964	20
24	174/1982	194	203	210	215	220	226	231	238	247	255/1968	20
20	224/1977	220	228	234	240	244	249	255	261	269	300/1968	16
16	224/1977	231	242	250	256	263	269	275	283	294	310/1968	14

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	4/22/1987	4/26	5/ 4	5/10	5/15	5/20	5/24	5/29	6/ 4	6/12	6/30/1968	21
32	4/16/1980	4/20	4/25	4/29	5/ 1	5/ 4	5/ 7	5/10	5/13	5/18	5/27/1973	20
28	3/26/1969	3/28	4/ 2	4/ 6	4/ 9	4/13	4/16	4/19	4/23	4/28	5/ 7/1968	20
24	2/ 4/1968	3/ 9	3/17	3/22	3/27	3/31	4/ 4	4/ 8	4/14	4/21	4/21/1967	20
20	2/ 2/1968	2/22	3/ 2	3/ 8	3/13	3/17	3/22	3/27	4/ 2	4/10	4/ 8/1973	16
16	1/25/1968	2/14	2/23	3/ 2	3/ 7	3/13	3/18	3/24	3/30	4/ 9	4/ 8/1973	14

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/13/1967	9/17	9/22	9/26	9/29	10/ 2	10/ 5	10/ 8	10/12	10/17	10/21/1972	21
32	9/18/1965	9/22	9/29	10/ 3	10/ 7	10/11	10/14	10/18	10/23	10/30	11/ 8/1987	20
28	9/18/1971	10/ 2	10/ 9	10/15	10/20	10/24	10/28	11/ 2	11/ 7	11/15	11/26/1965	20
24	10/11/1982	10/21	10/27	10/31	11/ 3	11/ 6	11/ 9	11/13	11/17	11/22	11/28/1965	20
20	10/31/1972	11/ 6	11/10	11/12	11/15	11/17	11/19	11/21	11/24	11/28	11/29/1968	16
16	11/ 9/1977	11/16	11/21	11/25	11/27	11/30	12/ 3	12/ 6	12/10	12/14	12/18/1965	14

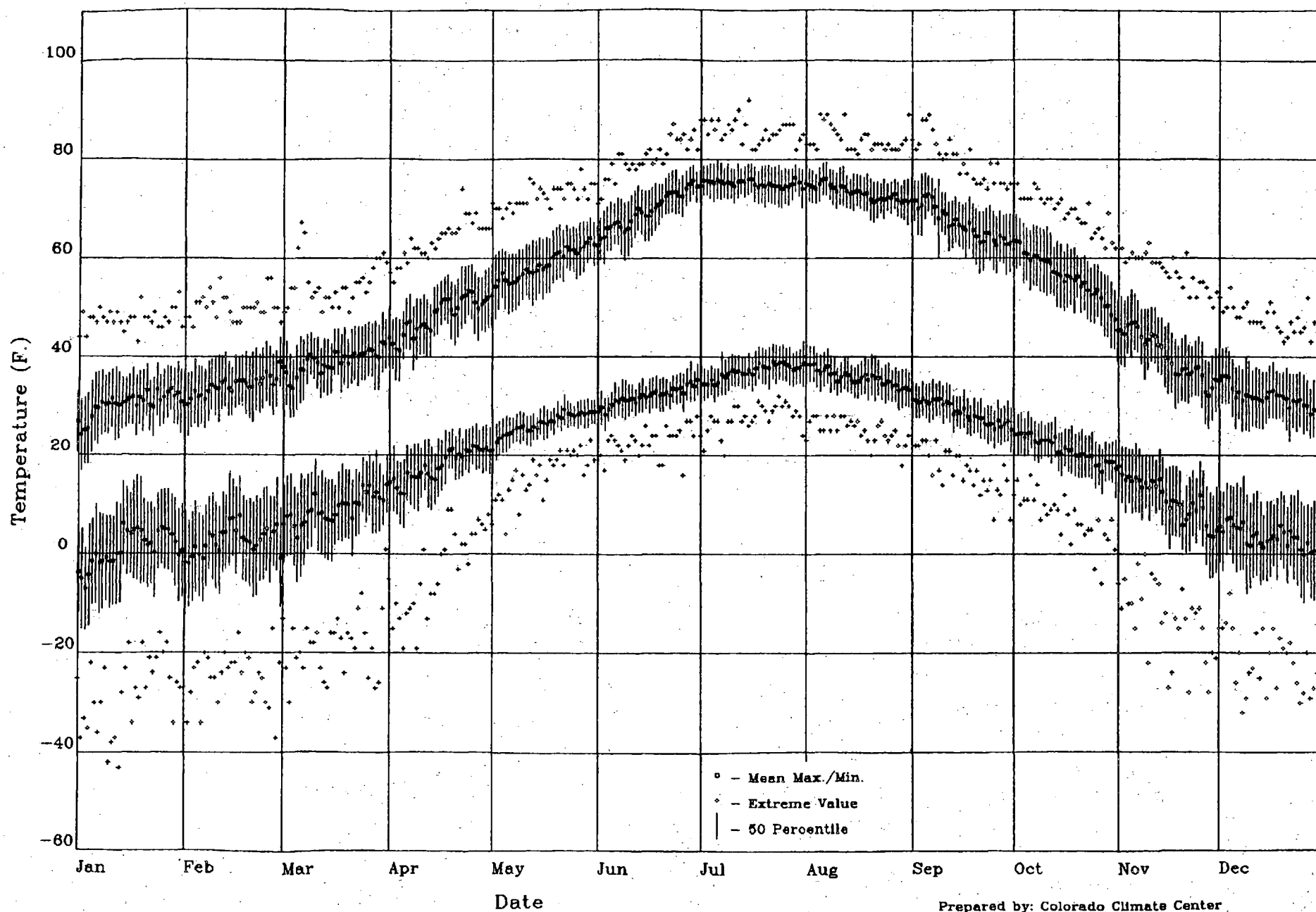
GRAND LAKE 1 NW

Record: 40 years ending in 1987

Lat 40 16

Long 105 50

Elev 8720



Prepared by: Colorado Climate Center

Latitude: 40 16 Longitude: 105 50 Elevation: 8720

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	30.3	33.9	39.1	48.3	58.6	69.5	75.1	73.3	67.1	56.4	40.3	31.9	52.0
Std. Dev.	3.7	3.7	3.3	3.9	2.9	3.2	2.4	2.5	3.9	4.6	4.2	3.3	
Mean Min.	1.1	2.8	9.3	18.0	26.3	32.0	37.1	35.7	28.8	21.2	11.3	3.4	18.9
Std. Dev.	5.4	5.0	4.6	3.4	1.5	1.9	2.8	2.8	2.3	2.3	4.0	3.9	
Num. Yrs.	39	39	37	39	39	39	39	40	40	40	40	39	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1039	877	788	493	224	45	2	5	88	329	704	985	5579
55	1192	1017	942	641	374	134	25	47	208	480	851	1138	7048
57	1253	1073	1004	700	435	184	53	86	265	540	910	1199	7701
60	1344	1156	1096	789	527	269	120	163	353	630	999	1291	8738
65	1497	1296	1250	937	679	417	267	311	502	781	1146	1445	10529

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	15	65	40	5	0	0	0	125
57	0	0	0	0	0	6	32	18	2	0	0	0	57
60	0	0	0	0	0	1	7	4	0	0	0	0	13
65	0	0	0	0	0	0	1	0	0	0	0	0	1
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	0	15	120	329	501	448	252	60	1	0	1728
45	0	0	0	1	33	189	348	297	121	10	0	0	999
50	0	0	0	0	3	75	196	150	34	1	0	0	458
55	0	0	0	0	0	15	65	40	5	0	0	0	125
60	0	0	0	0	0	1	7	4	0	0	0	0	13

Corn GDD	0	1	4	42	146	292	385	354	259	124	12	0	1620
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1950	0	0	2	4	7	9	12	15	19	46/1983	38
32	0/1950	0	5	12	18	24	29	35	42	52	70/1984	34
28	5/1962	23	34	42	49	56	62	69	77	88	110/1969	30
24	42/1973	58	70	78	85	92	99	106	114	126	139/1984	29
20	55/1956	98	110	118	125	131	137	144	152	163	173/1987	27
16	118/1964	134	144	151	157	162	168	174	181	191	205/1983	24

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/ 5/1985	7/11	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/21	7/19/1950	38
32	6/ 3/1977	6/25	6/30	7/ 3	7/ 6	7/ 9	7/12	7/15	7/18	7/23	7/19/1950	34
28	6/ 3/1977	6/ 9	6/14	6/18	6/22	6/25	6/28	7/ 1	7/ 5	7/11	7/17/1951	30
24	5/ 9/1984	5/17	5/24	5/29	6/ 3	6/ 7	6/11	6/15	6/21	6/28	7/ 8/1956	29
20	4/19/1949	4/23	5/ 1	5/ 6	5/11	5/16	5/20	5/25	5/31	6/ 8	7/ 8/1956	27
16	4/ 5/1985	4/16	4/20	4/23	4/26	4/28	4/30	5/ 3	5/ 6	5/10	5/16/1975	24

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1950	7/13	7/17	7/19	7/21	7/23	7/25	7/27	7/29	8/ 1	8/28/1983	38
32	7/19/1950	7/13	7/19	7/24	7/29	8/ 2	8/ 6	8/10	8/15	8/22	9/ 6/1983	34
28	7/21/1952	7/28	8/ 4	8/10	8/15	8/19	8/24	8/29	9/ 3	9/11	9/23/1969	30
24	7/31/1950	8/16	8/23	8/29	9/ 2	9/ 7	9/11	9/16	9/21	9/29	10/ 5/1969	29
20	8/20/1980	9/ 7	9/13	9/17	9/20	9/24	9/27	9/30	10/ 4	10/10	10/14/1963	27
16	9/ 7/1964	9/15	9/22	9/28	10/ 3	10/ 7	10/11	10/16	10/22	10/29	11/ 9/1983	24

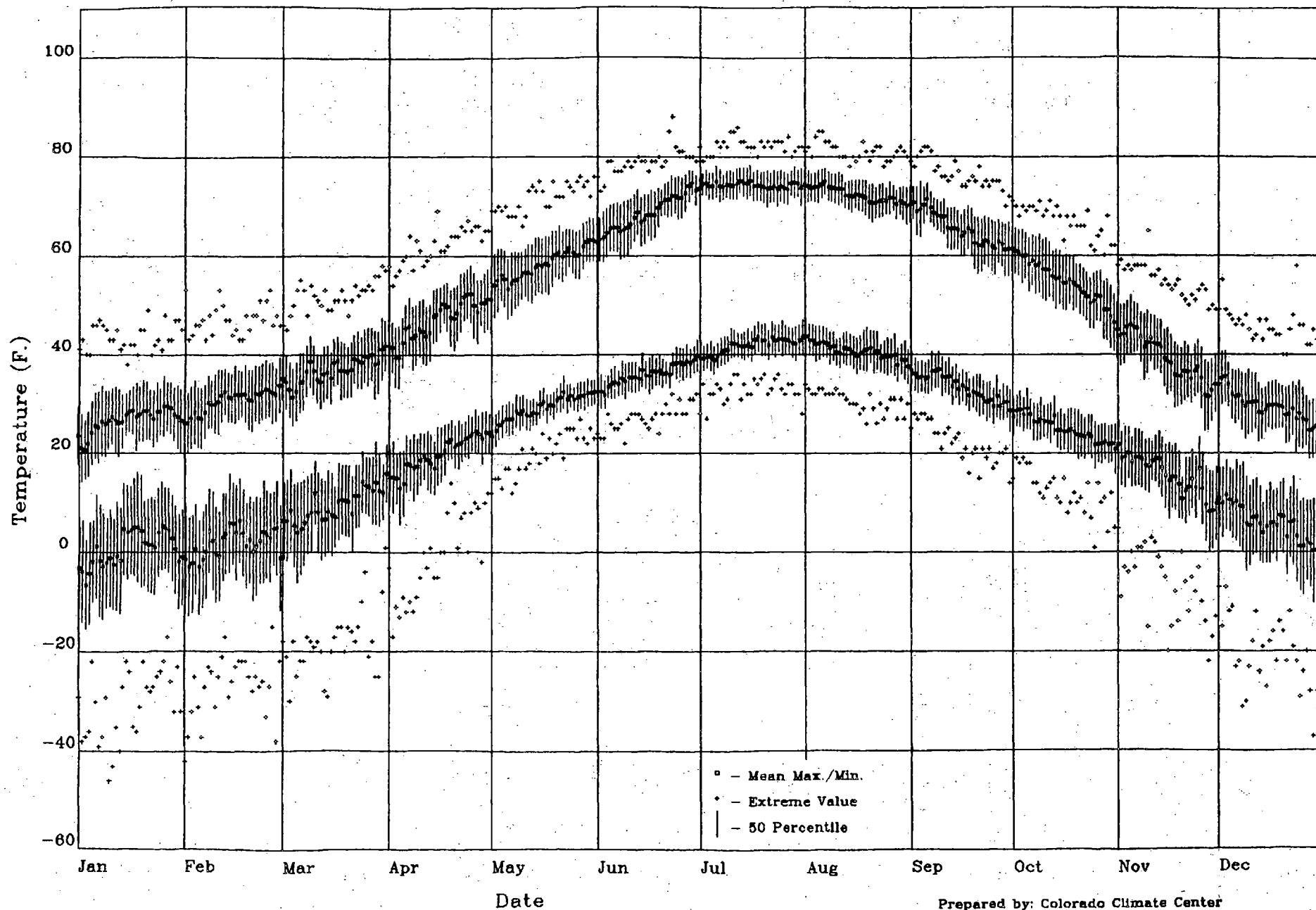
GRAND LAKE 6 SSW

Record: 40 years ending in 1987

Lat 40 11

Long 105 52

Elev 8290



Prepared by: Colorado Climate Center

Latitude: 40 11 Longitude: 105 52 Elevation: 8290 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	26.7	30.5	36.9	46.9	58.1	68.5	74.2	72.3	65.6	54.9	39.4	29.4	50.3
Std. Dev.	3.8	3.8	3.3	3.7	2.8	3.0	1.9	1.4	3.2	4.0	3.9	3.3	
Mean Min.	0.7	1.9	9.4	19.8	29.3	36.0	41.8	40.7	33.3	24.9	15.6	5.7	21.6
Std. Dev.	5.5	4.8	4.4	3.1	1.5	1.8	1.9	2.6	2.2	2.3	3.7	3.7	
Num. Yrs.	39	39	39	39	39	39	39	40	40	40	40	40	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1116	945	822	493	196	32	0	2	62	307	667	997	5638
55	1271	1086	977	642	344	102	8	22	167	461	817	1152	7047
57	1333	1143	1039	702	405	147	22	46	221	523	877	1214	7671
60	1426	1227	1131	792	498	227	70	110	308	616	967	1307	8681
65	1581	1368	1286	942	653	376	210	256	457	771	1117	1462	10480

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	26	107	75	8	0	0	0	216
57	0	0	0	0	0	11	59	38	3	0	0	0	110
60	0	0	0	0	0	2	15	8	0	0	0	0	25
65	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	0	17	150	374	563	517	294	75	2	0	1993
45	0	0	0	1	50	230	409	363	158	14	0	0	1225
50	0	0	0	0	7	105	254	210	52	1	0	0	630
55	0	0	0	0	0	26	107	75	8	0	0	0	216
60	0	0	0	0	0	2	15	8	0	0	0	0	25

Corn GDD	0	0	2	34	141	278	375	346	236	104	7	0	1523
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	0/1950	5	12	18	23	28	32	37	43	51	71/1984	38	
32	5/1952	35	45	52	58	63	69	75	81	91	100/1963	38	
28	35/1950	72	81	87	93	98	103	108	115	124	131/1958	36	
24	100/1973	115	121	125	129	132	136	140	144	150	156/1963	35	
20	125/1983	137	144	150	155	159	163	168	174	181	196/1981	35	
16	143/1971	159	167	172	176	180	184	189	194	201	216/1987	35	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	6/17/1954	6/25	6/29	7/ 2	7/ 4	7/ 6	7/ 9	7/11	7/14	7/18	7/19/1950	38	
32	6/ 1/1972	6/ 9	6/14	6/17	6/19	6/22	6/25	6/27	6/30	7/ 5	7/16/1952	38	
28	5/13/1958	5/19	5/25	5/29	6/ 2	6/ 5	6/ 9	6/12	6/17	6/22	7/ 3/1982	36	
24	4/22/1987	5/ 2	5/ 7	5/11	5/14	5/17	5/20	5/23	5/27	6/ 1	6/19/1973	35	
20	4/ 8/1985	4/20	4/24	4/27	4/30	5/ 3	5/ 5	5/ 8	5/11	5/16	5/22/1974	35	
16	4/ 5/1985	4/13	4/17	4/19	4/22	4/24	4/26	4/28	5/ 1	5/ 4	5/ 8/1984	35	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/19/1950	7/15	7/21	7/26	7/30	8/ 3	8/ 7	8/11	8/15	8/22	9/ 5/1969	38	
32	7/21/1952	8/ 3	8/10	8/16	8/20	8/24	8/28	9/ 2	9/ 7	9/14	9/25/1963	38	
28	7/31/1950	8/24	8/30	9/ 4	9/ 8	9/11	9/15	9/18	9/23	9/29	10/ 1/1966	36	
24	9/ 9/1962	9/16	9/19	9/22	9/25	9/27	9/29	10/ 1	10/ 4	10/ 8	10/16/1963	35	
20	9/16/1951	9/21	9/27	10/ 1	10/ 5	10/ 9	10/12	10/16	10/20	10/26	11/ 5/1974	35	
16	9/18/1971	10/ 3	10/ 9	10/13	10/17	10/21	10/25	10/28	11/ 2	11/ 8	11/17/1963	35	

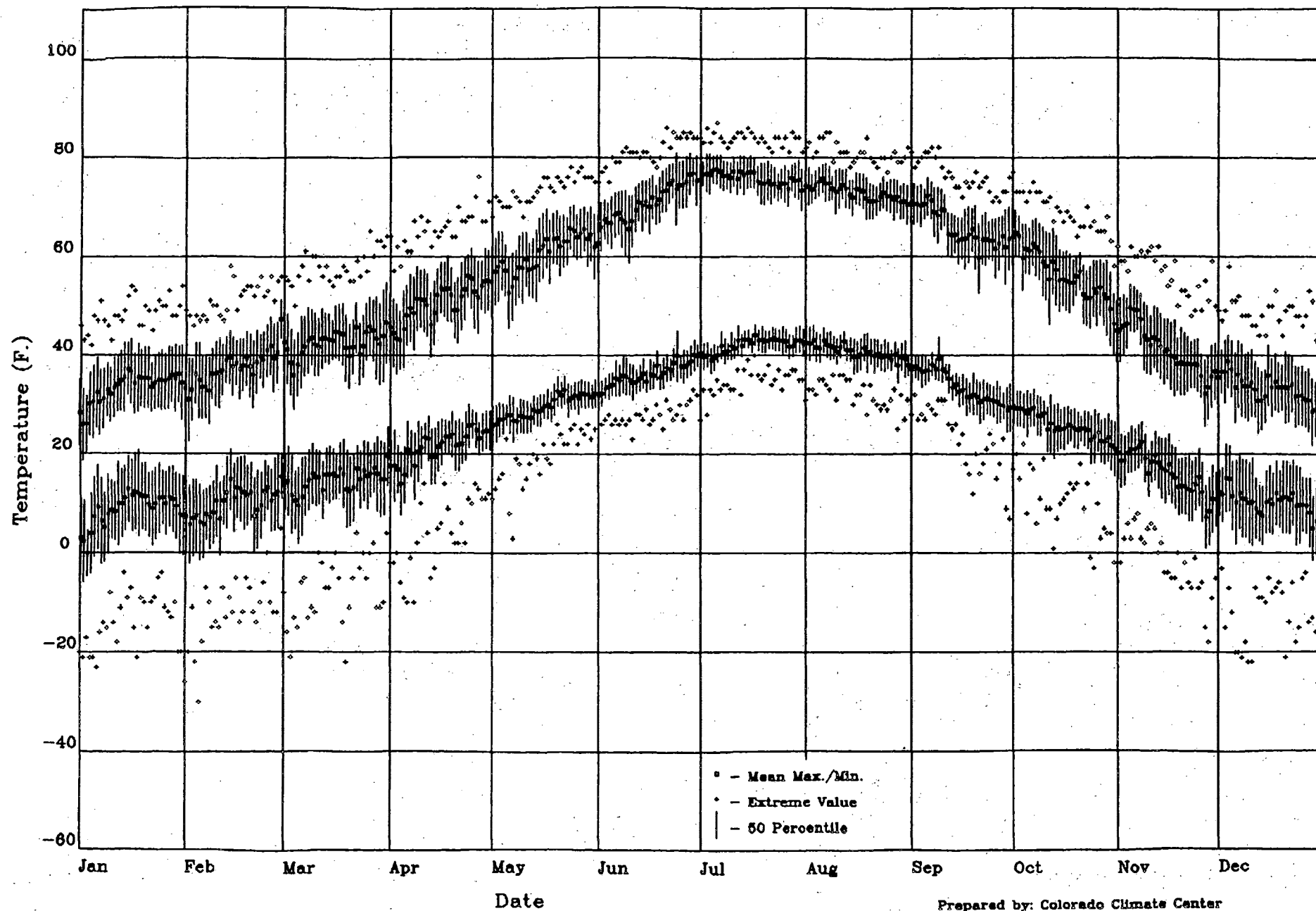
GRANT

Record: 25 years ending in 1987

Lat 39 28

Long 105 41

Elev 8670



Prepared by: Colorado Climate Center

Latitude: 39 28 Longitude: 105 41 Elevation: 8670 Period of Record: 25 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	33.5	37.1	42.5	50.5	60.5	70.7	75.8	72.9	65.8	56.5	41.3	33.4	53.4
Std. Dev.	3.0	2.6	3.7	3.7	3.2	3.0	1.8	1.7	2.3	4.1	3.3	3.1	
Mean Min.	8.8	9.9	14.7	21.5	29.5	36.2	42.0	40.7	33.6	25.7	16.1	10.3	24.1
Std. Dev.	3.6	3.1	3.8	3.0	1.5	1.7	1.3	1.9	1.8	2.5	2.7	3.6	
Num. Yrs.	24	24	24	24	24	24	24	24	23	24	25	25	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	887	741	651	412	167	27	0	2	67	274	631	866	4725
55	1042	882	805	562	304	85	6	22	163	424	781	1021	6095
57	1104	939	866	622	365	123	16	44	215	485	841	1083	6702
60	1197	1023	959	712	458	196	52	103	302	578	931	1176	7686
65	1352	1165	1112	861	613	339	181	247	451	733	1081	1331	9466

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	1	45	136	85	11	0	0	0	279
57	0	0	0	0	0	23	83	46	4	0	0	0	157
60	0	0	0	0	0	6	27	11	1	0	0	0	45
65	0	0	0	0	0	0	1	0	0	0	0	0	1
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	6	43	189	412	595	528	309	115	6	0	2203
45	0	0	1	8	82	267	440	373	175	38	0	0	1384
50	0	0	0	1	19	138	285	220	66	5	0	0	734
55	0	0	0	0	1	45	136	85	11	0	0	0	279
60	0	0	0	0	0	6	27	11	1	0	0	0	45

Corn GDD	0	2	15	65	177	312	400	355	242	129	13	0	1710
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	0/1979	15	23	30	35	40	45	50	56	65	75/1970	24	
32	35/1965	48	56	62	67	72	77	82	88	96	109/1977	23	
28	66/1964	78	85	91	95	99	104	108	113	121	131/1985	22	
24	100/1975	115	121	126	130	134	137	141	146	153	156/1976	22	
20	117/1970	132	139	145	149	153	157	161	166	174	184/1974	22	
16	134/1970	151	160	166	172	177	182	187	194	202	208/1965	22	

Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	6/20/1970	6/23	6/26	6/29	7/ 1	7/ 3	7/ 5	7/ 7	7/10	7/13	7/19/1979	24	
32	5/28/1977	6/ 9	6/14	6/17	6/19	6/22	6/24	6/27	6/30	7/ 4	7/13/1987	23	
28	5/15/1985	5/21	5/27	5/31	6/ 4	6/ 7	6/11	6/14	6/19	6/24	7/ 3/1976	22	
24	4/27/1985	5/ 4	5/ 8	5/12	5/14	5/17	5/19	5/22	5/25	5/29	6/11/1975	22	
20	4/25/1980	4/25	4/29	5/ 2	5/ 5	5/ 7	5/ 9	5/12	5/14	5/18	6/ 1/1970	22	
16	4/ 1/1985	4/ 7	4/12	4/16	4/20	4/23	4/26	4/29	5/ 3	5/ 9	5/15/1970	22	

Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/19/1979	7/21	7/29	8/ 3	8/ 8	8/12	8/16	8/21	8/26	9/ 2	9/12/1983	24	
32	8/ 1/1965	8/14	8/20	8/25	8/29	9/ 2	9/ 5	9/10	9/14	9/21	9/18/1969	23	
28	8/19/1978	9/ 1	9/ 6	9/ 9	9/12	9/15	9/17	9/20	9/24	9/28	10/ 4/1981	22	
24	9/15/1979	9/15	9/19	9/22	9/25	9/27	9/30	10/ 2	10/ 5	10/ 9	10/17/1981	22	
20	9/17/1965	9/21	9/26	9/30	10/ 4	10/ 7	10/10	10/13	10/17	10/23	10/31/1974	22	
16	9/18/1971	9/26	10/ 3	10/ 8	10/12	10/16	10/20	10/25	10/30	11/ 6	11/22/1965	22	

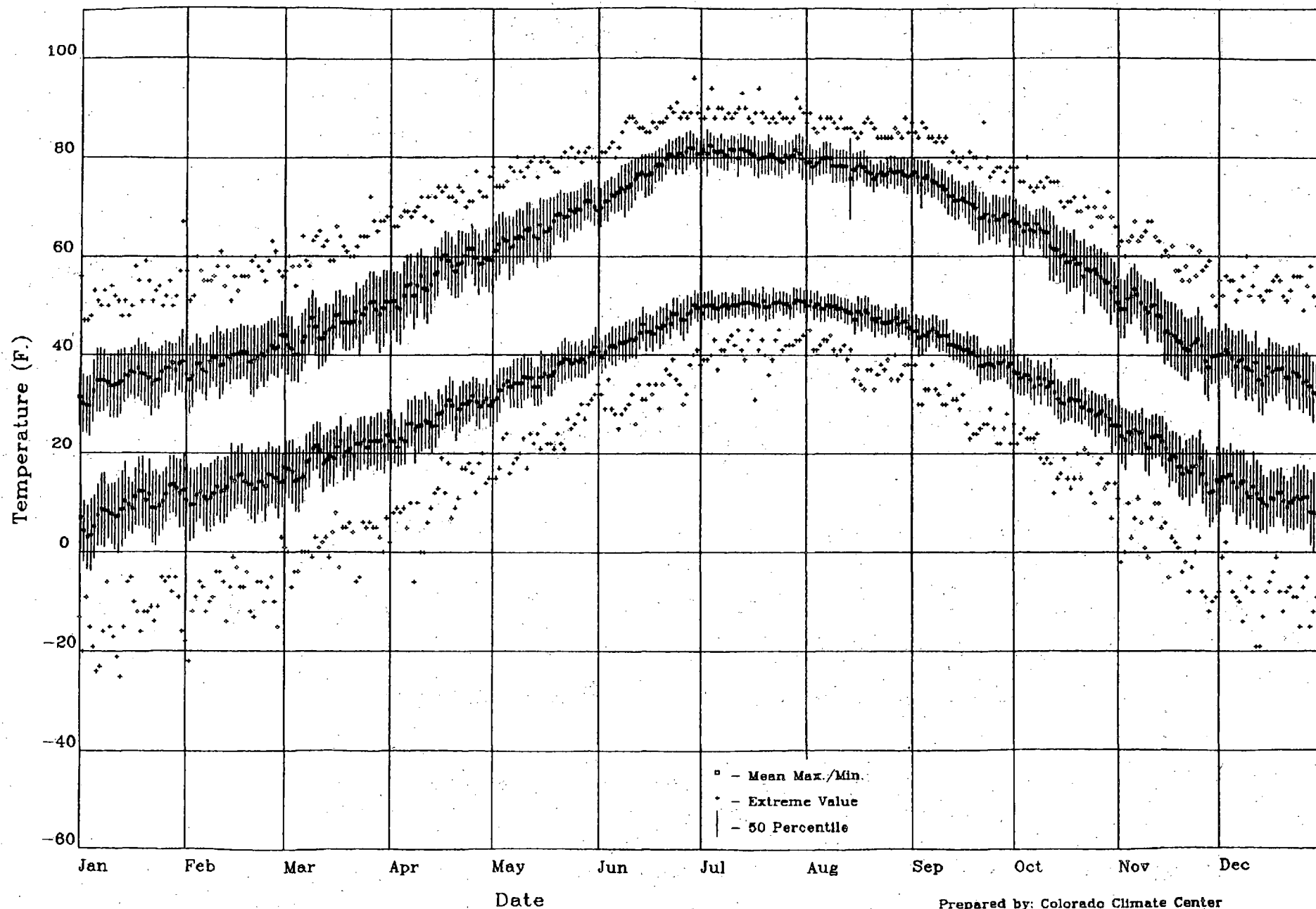
GREAT SAND DUNES NM

Record: 38 years ending in 1987

Lat 37 43

Long 105 32

Elev 8120



Prepared by: Colorado Climate Center

Latitude: 37 43 Longitude: 105 32 Elevation: 8120 Period of Record: 38 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	35.0	39.1	46.1	56.2	65.9	76.6	80.6	77.7	71.5	60.6	45.7	36.7	57.7
Std. Dev.	4.1	4.4	4.0	3.5	3.2	2.6	1.9	2.1	2.6	3.9	3.8	4.4	
Mean Min.	9.3	13.1	19.9	27.3	36.2	44.9	50.2	48.3	41.3	31.5	19.8	11.7	29.5
Std. Dev.	4.2	4.4	3.2	2.5	2.0	2.2	1.5	2.1	1.9	2.3	3.0	4.0	
Num. Yrs.	37	37	37	37	37	36	36	36	37	37	36	37	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	852	664	517	249	65	3	0	1	13	151	505	789	3809
55	1007	805	671	388	146	17	0	2	42	274	654	943	4950
57	1068	861	733	447	192	30	1	4	66	333	714	1005	5453
60	1161	946	826	536	271	58	4	14	120	424	803	1098	6259
65	1315	1086	980	685	419	141	36	76	249	579	952	1252	7770

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	1	34	195	329	257	92	5	0	0	912
57	0	0	0	0	18	148	268	197	57	2	0	0	689
60	0	0	0	0	5	86	178	115	22	0	0	0	406
65	0	0	0	0	0	21	57	22	2	0	0	0	102
70	0	0	0	0	0	1	5	1	0	0	0	0	7

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	1	3	24	130	354	625	790	719	496	222	21	1	3386
45	0	0	4	51	218	476	636	565	351	110	3	0	2413
50	0	0	0	11	106	329	483	410	211	35	0	0	1586
55	0	0	0	1	34	195	329	257	92	5	0	0	912
60	0	0	0	0	5	86	178	115	22	0	0	0	406

Corn GDD	2	6	31	119	249	402	493	443	322	177	29	2	2273
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	31/1967	62	71	78	84	90	96	102	109	119	126/1958	30
32	59/1967	85	94	101	107	113	119	125	132	141	143/1984	28
28	107/1983	122	129	134	138	142	146	150	155	162	175/1958	25
24	122/1971	144	151	157	161	166	170	174	180	187	189/1977	25
20	160/1970	168	175	179	184	187	191	195	200	207	226/1985	24
16	175/1970	183	190	195	199	203	207	211	216	223	230/1952	24

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/13/1958	5/25	5/31	6/ 4	6/ 8	6/11	6/14	6/18	6/22	6/28	7/17/1967	30
32	5/ 9/1984	5/13	5/20	5/25	5/29	6/ 3	6/ 7	6/11	6/16	6/23	7/17/1967	28
28	4/23/1959	5/ 2	5/ 6	5/ 9	5/12	5/15	5/17	5/20	5/23	5/28	6/ 6/1983	25
24	4/ 5/1977	4/17	4/22	4/26	4/30	5/ 3	5/ 6	5/10	5/14	5/20	5/22/1962	25
20	4/ 1/1985	4/ 9	4/14	4/17	4/19	4/22	4/24	4/27	4/30	5/ 5	5/11/1953	24
16	3/25/1952	3/30	4/ 4	4/ 7	4/10	4/13	4/16	4/19	4/22	4/27	5/ 2/1953	24

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/21/1973	8/21	8/27	9/ 1	9/ 5	9/ 9	9/13	9/17	9/22	9/29	10/ 4/1981	30
32	9/ 3/1961	9/ 9	9/14	9/18	9/21	9/24	9/26	9/29	10/ 3	10/ 8	10/14/1980	28
28	9/17/1971	9/21	9/26	9/29	10/ 1	10/ 4	10/ 6	10/ 9	10/12	10/16	10/21/1958	25
24	9/18/1971	9/30	10/ 6	10/ 9	10/13	10/16	10/19	10/22	10/26	10/31	11/11/1965	25
20	10/ 9/1970	10/11	10/16	10/20	10/23	10/26	10/29	11/ 1	11/ 5	11/10	11/22/1965	24
16	10/13/1969	10/20	10/24	10/28	10/31	11/ 2	11/ 5	11/ 8	11/11	11/16	11/22/1965	24

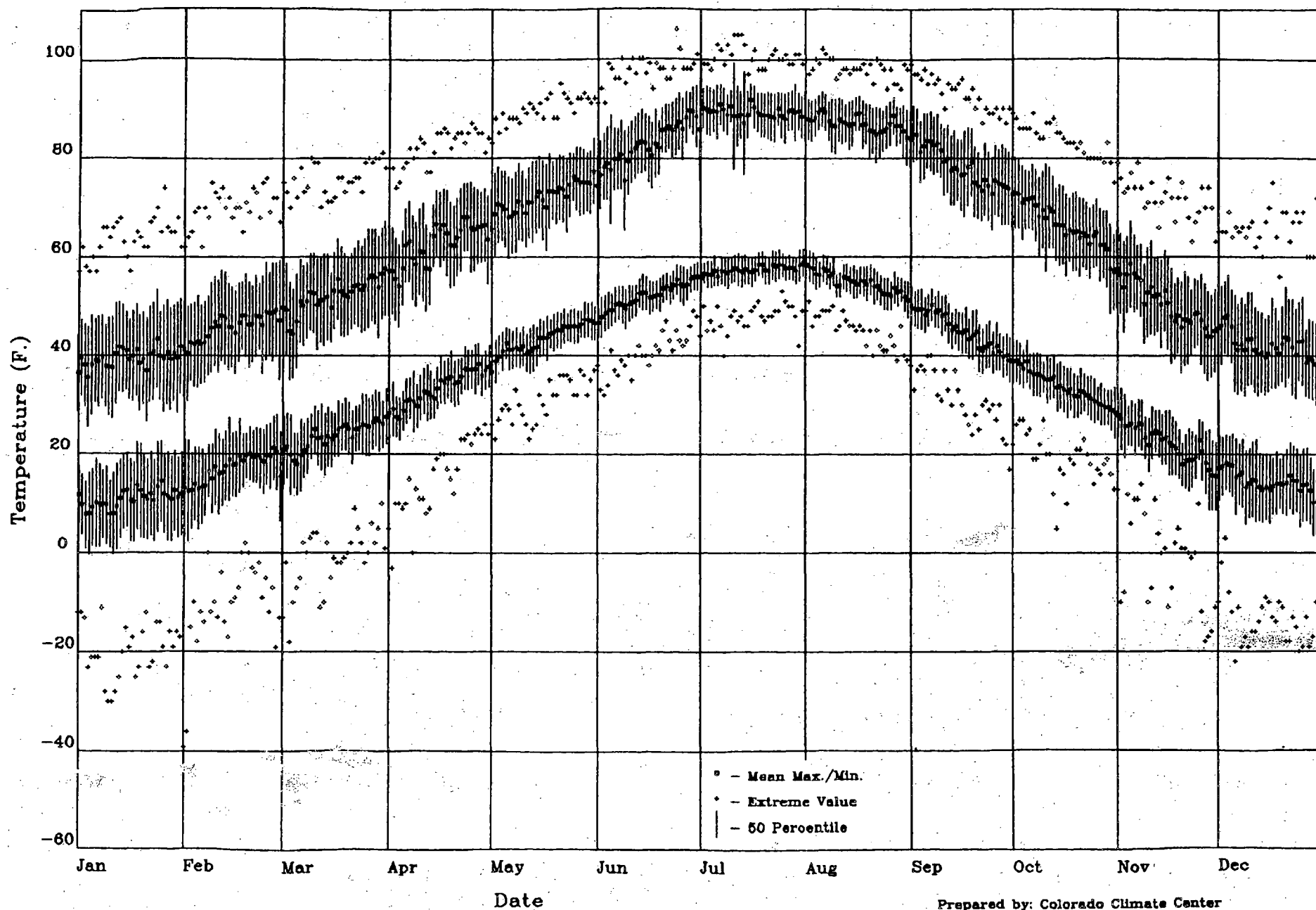
GREELEY

Record: 40 years ending in 1987

Lat 40 25

Long 104 41

Elev 4650



Prepared by: Colorado Climate Center

Latitude: 40 25 Longitude: 104 41 Elevation: 4650

Period of Record: 41 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	39.5	45.8	52.2	62.5	71.9	82.7	89.1	87.1	78.4	66.6	50.4	42.2	64.0
Std. Dev.	6.5	6.3	5.3	4.5	3.6	3.9	2.3	2.2	4.2	4.5	4.9	5.3	
Mean Min.	10.9	17.2	23.7	33.3	43.3	52.0	57.4	54.8	45.1	33.7	22.0	14.5	34.0
Std. Dev.	6.2	4.7	3.7	2.9	2.3	2.0	1.6	2.1	2.5	3.0	3.5	4.0	
Max. Yrs.	38	39	39	39	38	39	39	39	40	39	37	38	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	751	516	376	137	25	3	2	0	12	91	407	650	2969
55	903	656	520	236	62	7	2	0	29	178	552	801	3947
57	964	712	581	284	84	11	3	1	42	223	611	862	4378
60	1056	797	673	362	129	21	3	2	66	300	700	953	5062
65	1208	938	827	506	237	54	7	9	135	445	849	1105	6319

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	2	30	151	385	571	499	239	37	1	0	1915
57	0	0	1	18	112	329	510	438	191	22	0	0	1621
60	0	0	0	7	64	249	419	346	127	7	0	0	1218
65	0	0	0	0	17	132	269	199	46	0	0	0	663
70	0	0	0	0	2	48	130	76	9	0	0	0	264

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	9	29	94	277	556	829	1030	961	658	331	67	13	4856
45	1	7	39	165	407	679	877	807	512	205	23	3	3726
50	0	1	11	81	269	531	724	653	370	102	5	0	2748
55	0	0	2	30	151	385	571	499	239	37	1	0	1915
60	0	0	0	7	64	249	419	346	127	7	0	0	1218

Corn GDD	22	46	103	207	345	508	645	603	424	262	82	27	3274
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	95/1952	109	116	121	125	129	133	137	142	149	160/1987	32
32	110/1954	129	135	140	144	148	152	156	161	167	173/1972	31
28	131/1983	149	157	162	167	171	175	180	185	193	204/1972	29
24	155/1984	168	176	182	187	192	197	202	208	216	235/1978	28
20	182/1954	192	200	206	210	215	219	224	230	237	257/1981	27
16	201/1959	211	219	224	228	232	236	241	246	253	263/1981	27

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	4/22/1977	5/ 1	5/ 6	5/10	5/13	5/16	5/19	5/22	5/26	5/31	6/11/1975	32
32	4/16/1949	4/20	4/26	4/30	5/ 3	5/ 6	5/ 9	5/12	5/16	5/21	6/ 3/1954	31
28	4/ 4/1972	4/ 6	4/12	4/16	4/19	4/22	4/26	4/29	5/ 3	5/ 9	5/17/1968	29
24	3/16/1978	3/26	3/31	4/ 4	4/ 7	4/10	4/13	4/16	4/19	4/25	5/ 2/1954	28
20	3/ 8/1981	3/16	3/21	3/25	3/28	3/31	4/ 3	4/ 6	4/ 9	4/14	4/21/1982	27
16	2/25/1972	3/ 6	3/12	3/16	3/19	3/22	3/26	3/29	4/ 2	4/ 8	4/13/1959	27

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/ 2/1952	9/12	9/15	9/18	9/20	9/22	9/24	9/26	9/29	10/ 3	10/ 7/1981	32
32	9/13/1949	9/18	9/22	9/26	9/28	10/ 1	10/ 3	10/ 6	10/ 9	10/14	10/23/1972	31
28	9/19/1971	9/27	10/ 2	10/ 5	10/ 8	10/11	10/13	10/16	10/20	10/24	10/31/1960	29
24	9/19/1971	10/ 3	10/ 9	10/13	10/16	10/19	10/22	10/25	10/29	11/ 4	11/ 6/1960	28
20	9/30/1985	10/15	10/21	10/25	10/28	11/ 1	11/ 4	11/ 8	11/12	11/18	11/20/1981	27
16	10/13/1969	10/27	11/ 1	11/ 4	11/ 7	11/10	11/12	11/15	11/18	11/23	11/26/1981	27

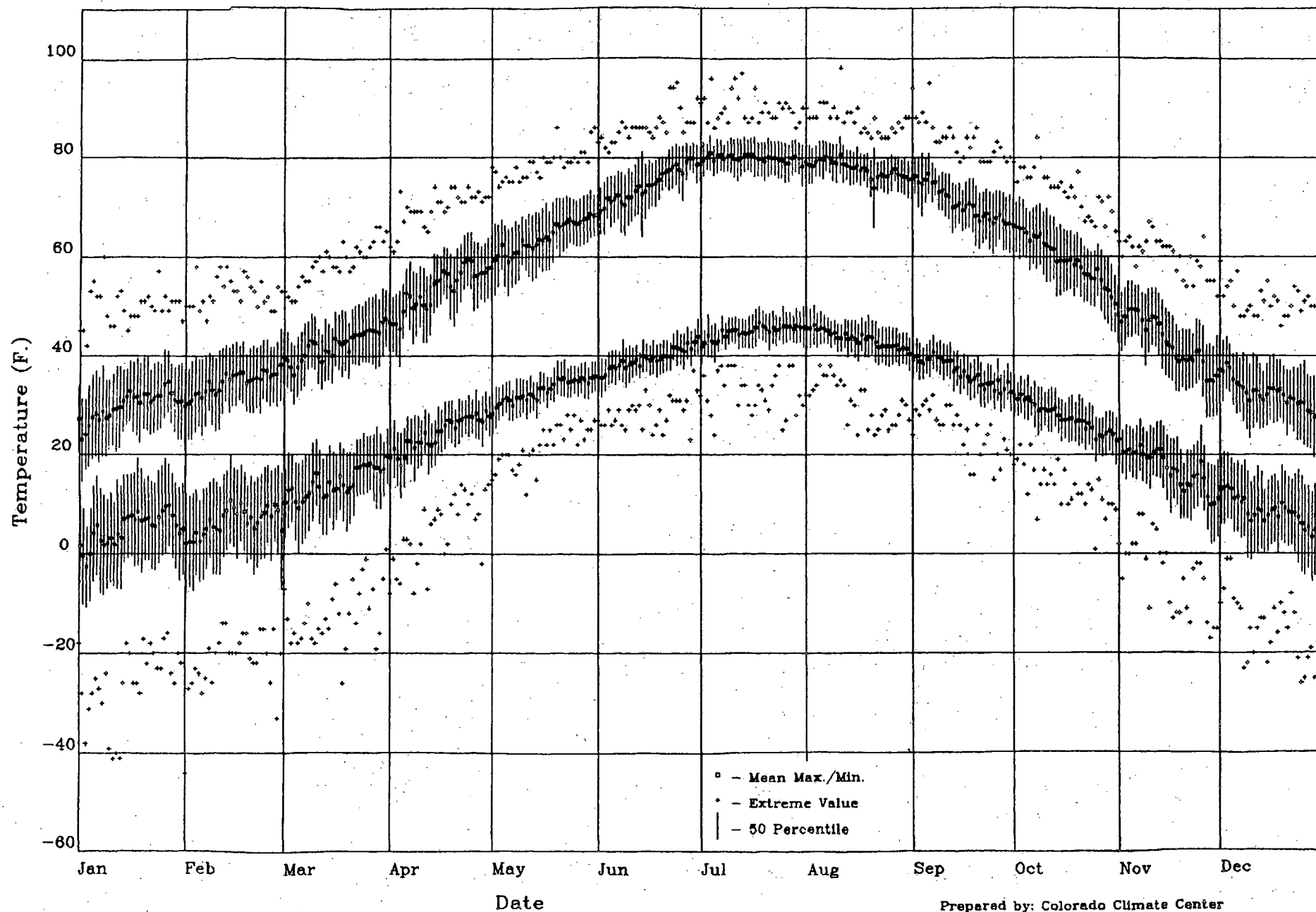
GREEN MOUNTAIN DAM

Record: 40 years ending in 1987

Lat 39 53

Long 106 20

Elev 7740



Prepared by: Colorado Climate Center

Latitude: 39 53 Longitude: 106 20 Elevation: 7740 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	29.9	34.5	42.2	53.3	63.8	74.4	79.8	77.7	70.9	59.6	42.9	32.2	55.1
Std. Dev.	5.4	4.7	3.8	4.1	3.4	3.6	2.7	2.1	3.6	5.1	4.9	4.3	
Mean Min.	5.0	6.6	14.4	24.3	32.9	39.3	44.8	43.4	36.6	27.5	17.3	8.3	25.0
Std. Dev.	6.1	5.4	4.6	2.9	2.0	2.1	2.3	2.5	2.2	2.5	3.8	4.3	
Num. Yrs.	39	39	39	39	38	39	38	39	39	40	40	39	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1000	821	666	331	98	11	0	1	27	209	589	912	4664
55	1155	961	821	478	208	42	1	6	81	349	739	1067	5906
57	1217	1017	883	538	263	64	4	13	118	410	799	1128	6454
60	1310	1101	976	628	353	114	16	37	189	503	889	1221	7337
65	1465	1242	1131	778	507	238	92	137	330	658	1039	1376	8993

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	10	104	235	185	50	2	0	0	587
57	0	0	0	0	4	68	176	131	28	1	0	0	406
60	0	0	0	0	1	28	95	63	9	0	0	0	195
65	0	0	0	0	0	2	16	8	1	0	0	0	28
70	0	0	0	0	0	0	1	0	0	0	0	0	2

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	1	1	8	80	280	511	697	643	421	162	12	1	2816
45	0	0	1	24	151	364	543	489	278	67	1	0	1918
50	0	0	0	3	56	223	388	335	146	16	0	0	1168
55	0	0	0	0	10	104	235	185	50	2	0	0	587
60	0	0	0	0	1	28	95	63	9	0	0	0	195

Corn GDD	1	2	15	91	221	364	462	431	315	167	21	1	2090
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1950	23	33	40	46	52	58	64	71	81	84/1970	34
32	3/1980	55	66	73	79	85	91	98	105	115	117/1983	32
28	9/1980	78	90	99	106	113	120	127	136	148	151/1969	32
24	42/1980	113	124	132	139	146	152	160	168	179	177/1962	32
20	135/1970	154	160	165	170	174	177	182	187	194	199/1974	31
16	147/1970	167	175	180	185	189	194	199	204	212	228/1965	31

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/11/1971	6/12	6/17	6/21	6/24	6/27	6/30	7/ 3	7/ 6	7/12	7/19/1950	34
32	5/15/1958	5/23	5/30	6/ 4	6/ 7	6/11	6/15	6/19	6/24	6/30	7/17/1959	32
28	4/23/1987	5/ 6	5/13	5/18	5/22	5/25	5/29	6/ 2	6/ 7	6/13	7/16/1980	32
24	4/15/1956	4/19	4/26	4/30	5/ 4	5/ 8	5/12	5/16	5/21	5/27	7/ 5/1980	32
20	4/ 5/1976	4/11	4/16	4/19	4/22	4/25	4/28	4/30	5/ 4	5/ 8	5/14/1970	31
16	3/27/1969	4/ 3	4/ 8	4/12	4/15	4/18	4/20	4/23	4/27	5/ 2	5/14/1970	31

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1950	7/29	8/ 5	8/10	8/14	8/18	8/22	8/26	8/31	9/ 7	9/16/1969	34
32	7/20/1980	8/18	8/24	8/28	9/ 1	9/ 4	9/ 8	9/12	9/16	9/22	9/24/1984	32
28	7/25/1980	8/24	9/ 1	9/ 6	9/11	9/15	9/20	9/25	9/30	10/ 8	10/14/1954	32
24	8/16/1980	9/10	9/17	9/22	9/27	10/ 1	10/ 5	10/10	10/15	10/22	10/25/1962	32
20	9/18/1971	9/29	10/ 5	10/ 9	10/12	10/15	10/19	10/22	10/26	11/ 1	11/ 8/1983	31
16	9/18/1971	10/ 6	10/12	10/16	10/20	10/24	10/28	10/31	11/ 5	11/11	11/28/1965	31

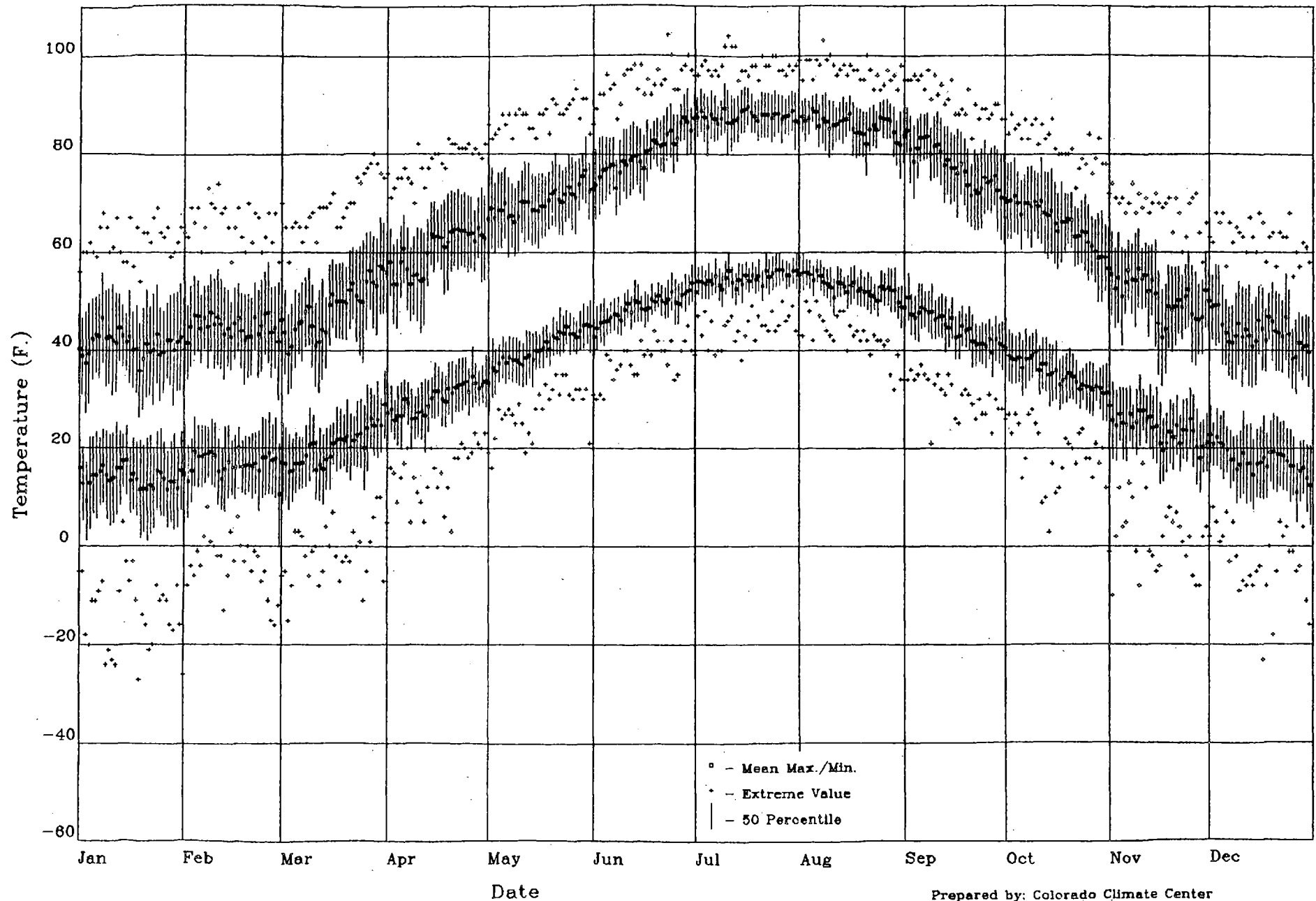
GROVER 10 W

Record: 22 years ending in 1970

Lat 40 52

Long 104 25

Elev 5080



Prepared by: Colorado Climate Center

Latitude: 40 52 Longitude: 104 25 Elevation: 5080

Period of Record: 23 years ending in 1970

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	41.9	44.8	48.6	60.3	70.2	80.1	87.7	85.9	77.6	66.3	51.6	43.9	63.2
Std. Dev.	5.0	6.3	5.3	4.5	4.0	4.5	3.2	2.5	4.4	5.1	4.5	4.0	
Mean Min.	14.1	17.0	20.3	30.1	40.4	48.7	54.6	52.9	44.7	35.5	24.1	17.8	33.4
Std. Dev.	4.8	3.9	4.0	3.0	2.6	2.1	2.4	2.5	3.0	3.4	3.9	3.5	
Num. Yrs.	20	22	21	21	22	21	22	21	22	21	20	20	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	663	526	466	187	37	3	0	0	15	89	361	565	2913
55	815	664	610	301	90	11	0	1	36	168	502	713	3912
57	876	720	670	354	120	18	1	1	50	211	561	772	4354
60	968	803	760	438	178	34	1	3	79	283	651	862	5060
65	1120	942	910	585	302	87	9	19	150	421	799	1011	6355

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	2	16	105	300	504	452	224	50	0	0	1654
57	0	0	1	9	74	247	443	391	179	33	0	0	1376
60	0	0	0	3	40	174	351	301	119	15	0	0	1003
65	0	0	0	0	10	76	205	162	43	2	0	0	499
70	0	0	0	0	1	21	86	55	10	0	0	0	173

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	17	25	66	219	480	739	964	914	632	352	94	25	4528
45	3	8	27	120	336	590	810	760	488	227	36	6	3411
50	0	1	8	52	206	442	657	606	350	122	8	1	2453
55	0	0	2	16	105	300	504	452	224	50	0	0	1654
60	0	0	0	3	40	174	351	301	119	15	0	0	1003

Corn GDD	28	35	73	181	315	454	599	573	411	255	88	33	3044
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	71/1968	82	92	99	105	110	115	121	128	137	157/1963	15
32	117/1962	119	125	129	133	136	139	143	147	153	158/1963	14
28	131/1962	136	143	147	151	155	159	163	167	174	192/1963	14
24	131/1962	143	154	162	168	174	180	187	194	205	240/1965	14
20	167/1953	171	181	189	195	201	207	213	220	231	241/1965	13
16	178/1954	183	195	204	212	219	226	233	242	255	263/1963	13

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/ 5/1958	5/13	5/19	5/23	5/27	5/31	6/ 3	6/ 7	6/11	6/17	6/26/1969	15
32	4/28/1969	5/ 2	5/ 6	5/ 9	5/12	5/14	5/17	5/19	5/23	5/27	6/ 3/1950	14
28	4/12/1965	4/20	4/24	4/27	4/29	5/ 2	5/ 4	5/ 6	5/ 9	5/13	5/14/1953	14
24	3/27/1965	4/13	4/18	4/21	4/24	4/27	4/29	5/ 2	5/ 5	5/10	5/14/1953	14
20	3/17/1963	3/22	3/29	4/ 4	4/ 9	4/13	4/18	4/23	4/28	5/ 6	5/12/1953	13
16	3/ 8/1967	3/14	3/21	3/26	3/31	4/ 4	4/ 8	4/12	4/17	4/24	5/ 2/1954	13

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	8/28/1950	8/29	9/ 5	9/10	9/14	9/17	9/21	9/25	9/30	10/ 7	10/26/1963	15
32	9/ 9/1962	9/13	9/18	9/22	9/25	9/27	9/30	10/ 3	10/ 7	10/11	10/27/1963	14
28	9/ 9/1962	9/17	9/23	9/27	9/30	10/ 4	10/ 7	10/10	10/14	10/20	11/ 1/1963	14
24	9/ 9/1962	9/26	10/ 3	10/ 9	10/13	10/18	10/22	10/27	11/ 1	11/ 9	11/22/1965	14
20	10/ 6/1952	10/15	10/21	10/25	10/28	10/31	11/ 3	11/ 6	11/10	11/16	11/22/1965	13
16	10/ 6/1952	10/15	10/23	10/29	11/ 4	11/ 8	11/13	11/18	11/24	12/ 3	12/14/1965	13

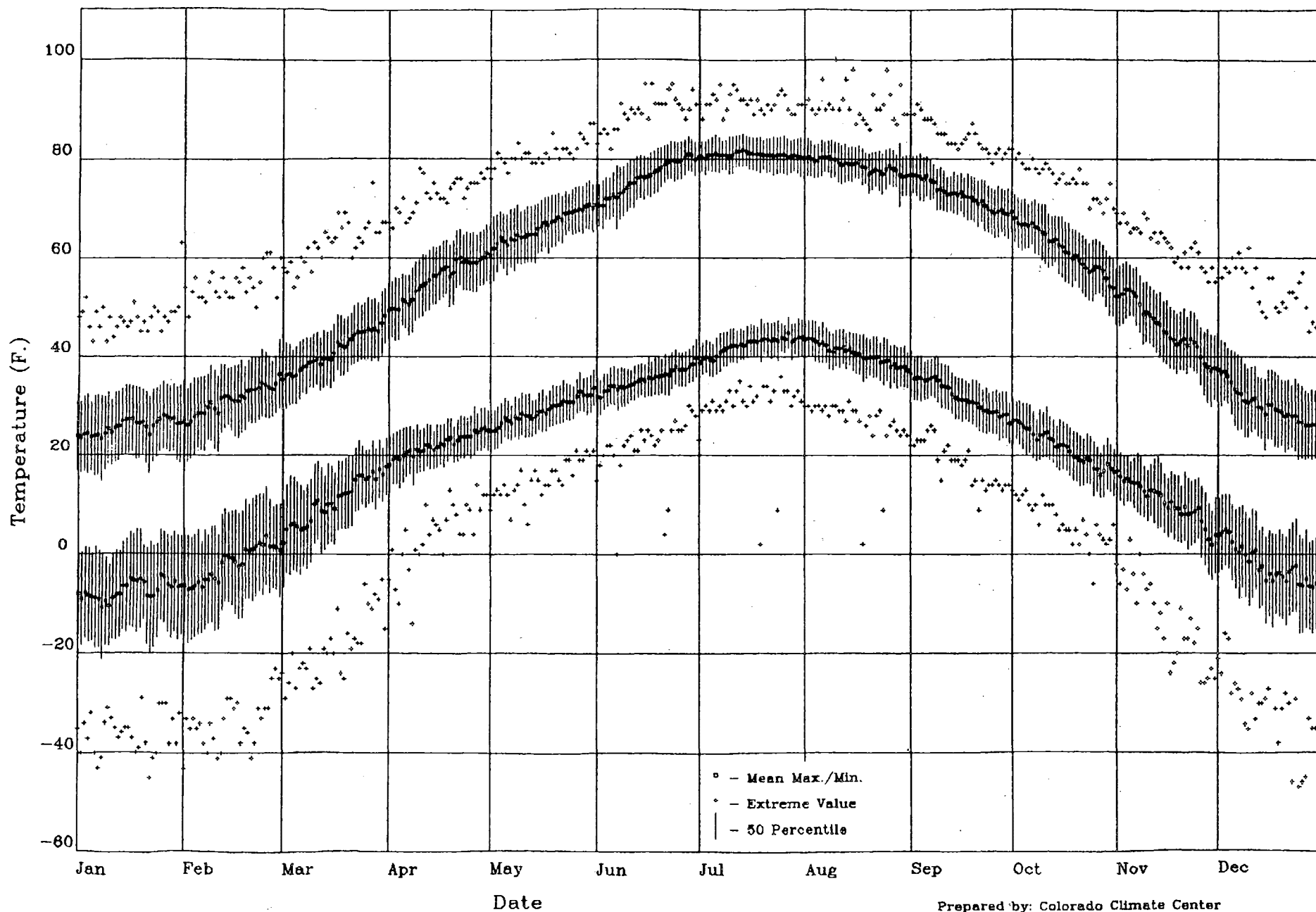
GUNNISON

Record: 88 years ending in 1987

Lat 38 32

Long 106 56

Elev 7660



Latitude: 38 32 Longitude: 106 56 Elevation: 7660 Period of Record: 88 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	25.8	31.0	41.2	55.7	66.3	76.2	80.8	78.7	72.7	61.9	45.8	30.1	55.5
Std. Dev.	6.1	6.8	5.2	4.2	3.5	3.2	2.6	3.3	3.4	4.1	4.7	6.6	
Mean Min.	-7.3	-2.0	10.8	22.1	29.1	35.4	42.3	40.5	31.9	21.5	10.6	-2.2	19.4
Std. Dev.	6.5	7.7	5.7	2.5	2.2	2.3	2.1	3.0	2.9	2.9	3.9	6.3	
Num. Yrs.	88	88	87	87	84	86	84	82	82	80	80	83	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1247	989	733	324	105	10	0	1	29	255	644	1100	5438
55	1401	1130	888	472	224	46	2	7	101	404	794	1254	6722
57	1463	1186	950	531	282	74	4	17	146	465	853	1316	7287
60	1555	1270	1042	621	373	135	18	49	226	558	943	1408	8198
65	1709	1411	1197	770	527	270	106	162	372	712	1093	1562	9890

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	7	77	212	157	27	1	0	0	481
57	0	0	0	0	2	45	153	105	13	0	0	0	319
60	0	0	0	0	0	16	74	45	3	0	0	0	139
65	0	0	0	0	0	1	8	4	0	0	0	0	13
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	3	66	257	481	673	612	376	112	3	0	2583
45	0	0	0	15	129	332	519	458	232	35	0	0	1722
50	0	0	0	1	43	190	365	305	105	6	0	0	1016
55	0	0	0	0	7	77	212	157	27	1	0	0	481
60	0	0	0	0	0	16	74	45	3	0	0	0	139

Corn GDD	0	1	15	112	255	391	474	443	339	195	34	1	2260
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	0/1902	5	13	18	23	28	33	38	43	52	71/1940	82	
32	0/1945	29	38	45	50	55	61	66	73	82	98/1919	76	
28	0/1945	64	73	79	84	89	94	99	105	114	120/1958	73	
24	0/1945	88	98	105	110	116	121	127	134	143	148/1935	71	
20	0/1945	107	118	125	132	138	145	151	159	170	178/1949	69	
16	0/1945	128	139	148	155	162	169	176	185	196	201/1902	66	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	6/17/1940	6/29	7/ 2	7/ 4	7/ 7	7/ 9	7/11	7/13	7/15	7/19	7/19/1902	82	
32	6/ 2/1949	6/15	6/19	6/22	6/25	6/27	6/30	7/ 2	7/ 5	7/10	7/19/1945	76	
28	5/12/1928	5/25	5/31	6/ 4	6/ 7	6/10	6/13	6/16	6/20	6/26	7/19/1945	73	
24	4/23/1941	5/ 6	5/13	5/17	5/21	5/25	5/29	6/ 2	6/ 6	6/13	7/19/1945	71	
20	4/16/1926	4/23	4/30	5/ 4	5/ 8	5/12	5/16	5/20	5/25	5/31	7/19/1945	69	
16	3/28/1948	4/ 5	4/12	4/18	4/23	4/27	5/ 2	5/ 6	5/12	5/20	7/19/1945	66	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/19/1902	7/19	7/25	7/29	8/ 2	8/ 6	8/ 9	8/13	8/18	8/24	9/10/1909	82	
32	7/19/1945	8/ 1	8/ 8	8/13	8/18	8/22	8/26	8/30	9/ 4	9/11	9/23/1969	76	
28	7/19/1945	8/20	8/26	8/31	9/ 4	9/ 7	9/11	9/14	9/19	9/25	10/ 2/1940	73	
24	7/19/1945	8/31	9/ 6	9/11	9/14	9/18	9/21	9/25	9/29	10/ 5	10/ 9/1938	71	
20	7/19/1945	9/ 8	9/15	9/20	9/24	9/27	10/ 1	10/ 5	10/10	10/17	10/24/1972	69	
16	7/19/1945	9/14	9/21	9/27	10/ 2	10/ 6	10/11	10/15	10/21	10/29	11/ 2/1963	66	

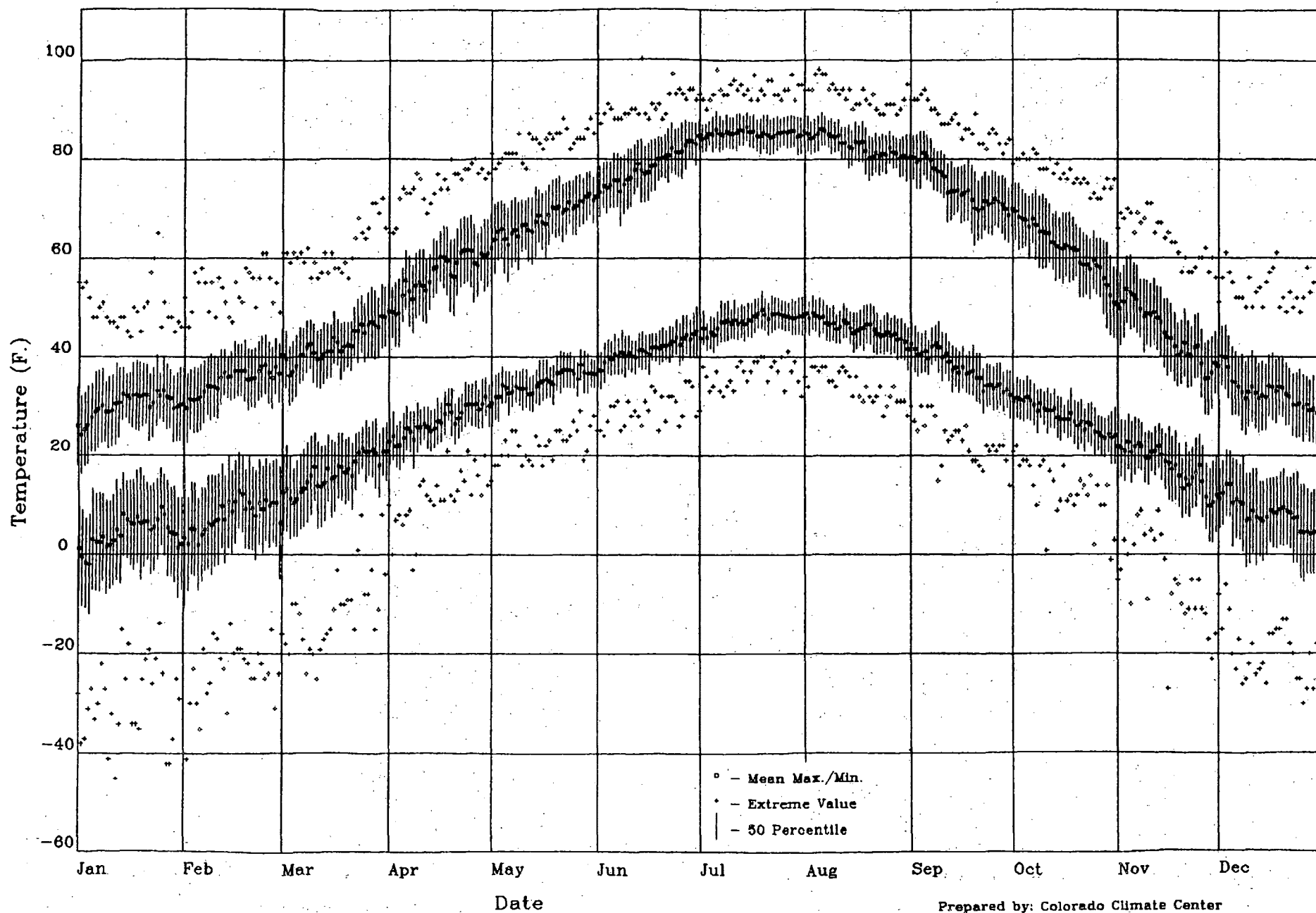
HAYDEN

Record: 40 years ending in 1987

Lat 40 29

Long 107 15

Elev 6380



Prepared by: Colorado Climate Center

Latitude: 40 29 Longitude: 107 15 Elevation: 6380

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	30.1	35.0	42.5	56.5	67.8	78.2	85.1	82.8	74.4	62.0	45.0	32.8	57.7
Std. Dev.	4.9	4.6	4.4	4.2	3.2	3.5	2.1	2.3	4.2	4.6	5.2	5.2	
Mean Min.	4.2	8.1	16.6	27.0	34.8	41.4	47.3	45.8	37.5	27.7	18.0	8.3	26.4
Std. Dev.	5.7	6.3	5.1	2.5	1.9	2.2	2.6	3.0	3.0	2.3	3.9	4.4	
Num. Yrs.	40	39	39	40	39	40	39	40	39	40	40	39	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	999	796	622	254	61	5	0	0	24	174	548	901	4385
55	1152	937	776	391	140	23	0	2	63	304	697	1056	5542
57	1214	993	838	449	186	37	0	4	90	364	757	1117	6049
60	1306	1078	931	538	265	70	2	12	143	455	847	1210	6856
65	1459	1219	1085	688	414	164	25	56	268	609	997	1364	8346

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	2	35	176	353	298	98	2	0	0	965
57	0	0	0	0	18	130	292	239	65	1	0	0	745
60	0	0	0	0	5	72	201	153	29	0	0	0	461
65	0	0	0	0	0	17	69	44	4	0	0	0	134
70	0	0	0	0	0	2	8	5	0	0	0	0	15

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	2	11	127	361	602	816	757	486	195	21	1	3380
45	0	1	2	53	222	453	662	603	342	90	4	0	2433
50	0	1	0	15	109	308	508	450	209	26	0	0	1625
55	0	0	0	2	35	176	353	298	98	2	0	0	965
60	0	0	0	0	5	72	201	153	29	0	0	0	461

Corn GDD 1 2 17 125 278 420 536 504 364 202 39 2 2489

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	15/1971	33	43	51	57	63	69	75	82	93	108/1986	35
32	52/1950	68	76	83	88	93	98	103	110	118	123/1963	33
28	72/1953	88	97	104	110	115	121	126	133	143	160/1981	32
24	101/1951	119	129	136	141	147	152	158	165	174	193/1981	31
20	139/1954	149	157	163	167	172	176	181	187	194	208/1986	28
16	162/1955	173	180	185	190	194	198	202	207	214	233/1978	27

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/26/1986	6/10	6/15	6/18	6/22	6/25	6/28	7/ 1	7/ 5	7/10	7/15/1948	35
32	5/16/1958	5/22	5/28	5/31	6/ 4	6/ 7	6/10	6/13	6/17	6/23	7/ 8/1955	33
28	4/21/1987	5/ 5	5/13	5/18	5/22	5/27	5/31	6/ 4	6/10	6/17	6/30/1968	32
24	4/11/1981	4/19	4/25	4/29	5/ 3	5/ 6	5/ 9	5/13	5/17	5/23	6/ 3/1951	31
20	3/30/1985	4/ 2	4/ 9	4/14	4/19	4/23	4/27	5/ 1	5/ 6	5/13	5/28/1954	28
16	3/18/1978	3/28	4/ 2	4/ 5	4/ 8	4/11	4/14	4/17	4/20	4/25	5/ 1/1972	27

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/21/1949	8/ 6	8/13	8/18	8/22	8/27	8/31	9/ 4	9/ 9	9/17	9/24/1963	35
32	7/31/1950	8/20	8/26	8/31	9/ 4	9/ 8	9/12	9/16	9/20	9/27	10/ 1/1966	33
28	8/24/1972	9/ 2	9/ 8	9/12	9/16	9/19	9/22	9/26	9/30	10/ 6	10/19/1981	32
24	9/ 9/1962	9/15	9/20	9/24	9/27	9/30	10/ 3	10/ 6	10/10	10/15	10/28/1963	31
20	9/ 9/1962	9/24	9/30	10/ 4	10/ 8	10/12	10/15	10/19	10/23	10/29	11/ 8/1986	28
16	9/ 9/1962	10/ 3	10/ 9	10/14	10/18	10/21	10/25	10/29	11/ 3	11/ 9	11/15/1957	27

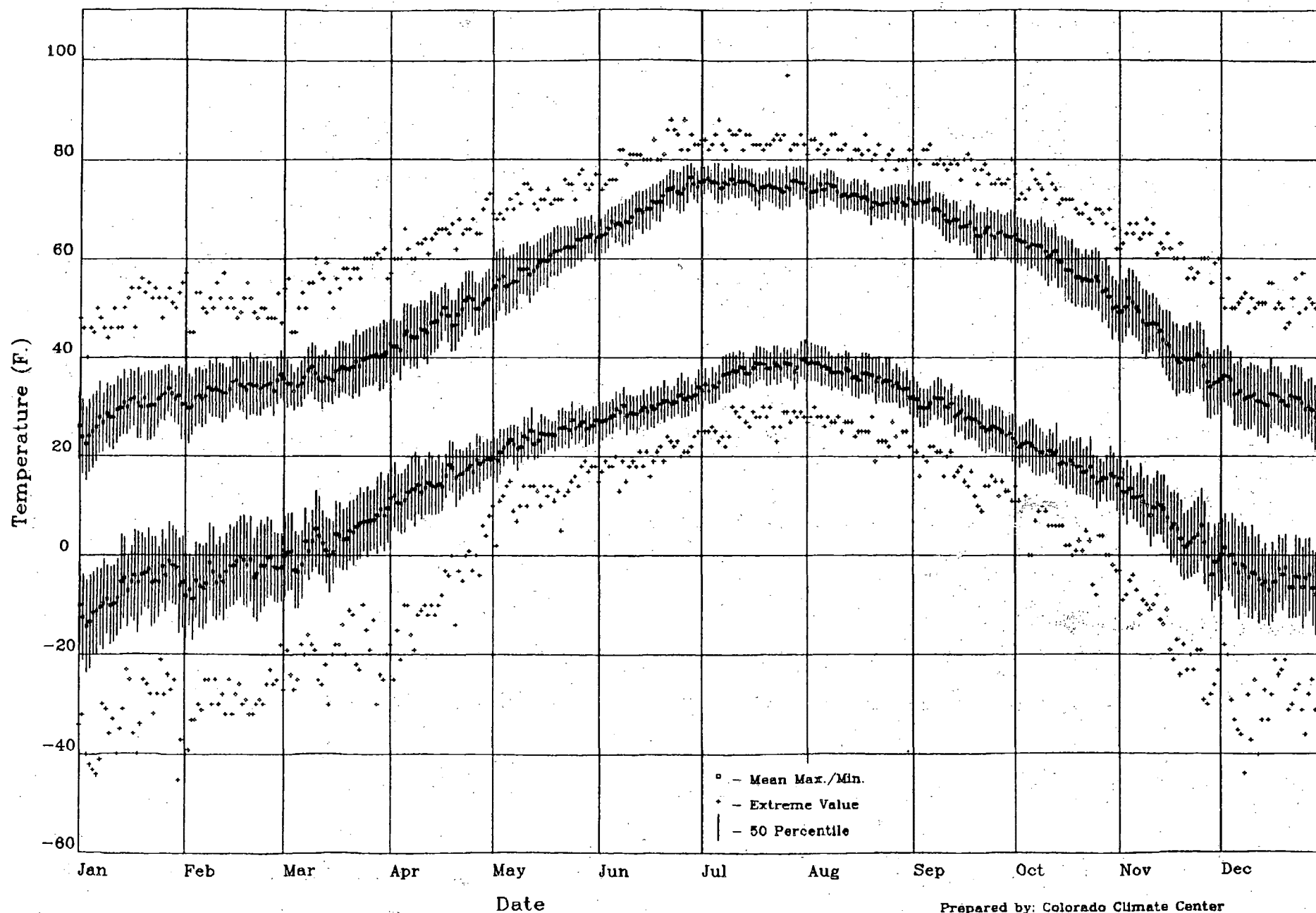
HERMIT 7 ESE

Record: 40 years ending in 1987

Lat 37 46

Long 107 8

Elev 9000



Prepared by: Colorado Climate Center

Latitude: 37 46 Longitude: 107 8 Elevation: 9000 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	29.3	33.3	37.3	47.2	59.5	70.4	75.0	72.6	67.5	58.4	43.2	31.6	52.1
Std. Dev.	6.1	5.3	5.3	5.6	3.3	2.6	1.9	1.7	2.9	4.3	5.3	5.4	
Mean Min.	-6.8	-3.5	3.6	15.2	24.1	30.0	37.2	36.3	28.2	18.9	6.8	-4.2	15.5
Std. Dev.	4.7	5.5	5.2	5.0	2.4	2.5	2.4	3.0	2.7	2.9	4.0	4.3	
Num. Yrs.	39	39	39	38	38	39	39	40	40	40	40	40	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1191	983	904	556	248	51	1	4	86	346	742	1117	6228
55	1345	1124	1059	706	401	147	20	47	210	500	892	1272	7723
57	1407	1181	1121	766	463	200	47	86	269	562	952	1334	8386
60	1500	1265	1213	856	556	287	116	166	358	655	1042	1427	9442
65	1655	1407	1368	1005	711	437	266	320	508	810	1191	1582	11260

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	10	61	37	2	0	0	0	110
57	0	0	0	0	0	3	26	14	1	0	0	0	44
60	0	0	0	0	0	0	4	2	0	0	0	0	6
65	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	0	9	107	314	503	455	245	53	1	0	1686
45	0	0	0	0	26	173	349	300	112	7	0	0	968
50	0	0	0	0	2	64	196	149	27	0	0	0	439
55	0	0	0	0	0	10	61	37	2	0	0	0	110
60	0	0	0	0	0	0	4	2	0	0	0	0	6

Corn GDD	1	1	4	36	159	305	384	350	263	148	26	1	1677
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	0/1950	0	0	2	5	8	10	13	16	20	38/1957	38	
32	0/1960	0	9	16	22	27	32	38	44	53	69/1957	37	
28	2/1987	28	37	43	48	53	58	63	69	78	92/1981	36	
24	31/1973	58	68	74	80	85	90	96	103	112	123/1958	35	
20	70/1964	84	93	99	105	110	115	120	127	135	159/1958	34	
16	110/1971	119	127	133	138	143	148	153	159	167	178/1957	32	

Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	6/29/1981	7/ 9	7/11	7/13	7/14	7/16	7/17	7/18	7/20	7/22	7/19/1950	38	
32	6/23/1981	6/28	7/ 1	7/ 4	7/ 6	7/ 8	7/10	7/12	7/15	7/18	7/19/1960	37	
28	6/ 5/1949	6/16	6/20	6/23	6/26	6/28	7/ 1	7/ 3	7/ 6	7/10	7/18/1987	36	
24	5/16/1956	5/29	6/ 4	6/ 8	6/12	6/15	6/18	6/22	6/26	7/ 2	7/ 9/1955	35	
20	4/27/1958	5/12	5/19	5/24	5/28	6/ 1	6/ 4	6/ 8	6/13	6/20	7/ 1/1968	34	
16	4/17/1949	4/24	4/30	5/ 5	5/ 9	5/13	5/17	5/21	5/26	6/ 1	6/16/1981	32	

Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/19/1950	7/15	7/18	7/20	7/21	7/23	7/25	7/26	7/28	7/31	8/14/1957	38	
32	7/19/1960	7/14	7/21	7/26	7/31	8/ 4	8/ 8	8/13	8/18	8/25	9/ 7/1982	37	
28	7/20/1987	7/31	8/ 7	8/12	8/16	8/20	8/24	8/28	9/ 2	9/ 9	9/19/1981	36	
24	7/23/1973	8/22	8/28	9/ 1	9/ 5	9/ 8	9/12	9/15	9/20	9/26	10/ 2/1982	35	
20	8/21/1964	9/ 5	9/10	9/13	9/16	9/18	9/21	9/24	9/27	10/ 2	10/ 7/1981	34	
16	9/ 3/1973	9/17	9/23	9/27	9/30	10/ 3	10/ 6	10/10	10/13	10/19	10/26/1954	32	

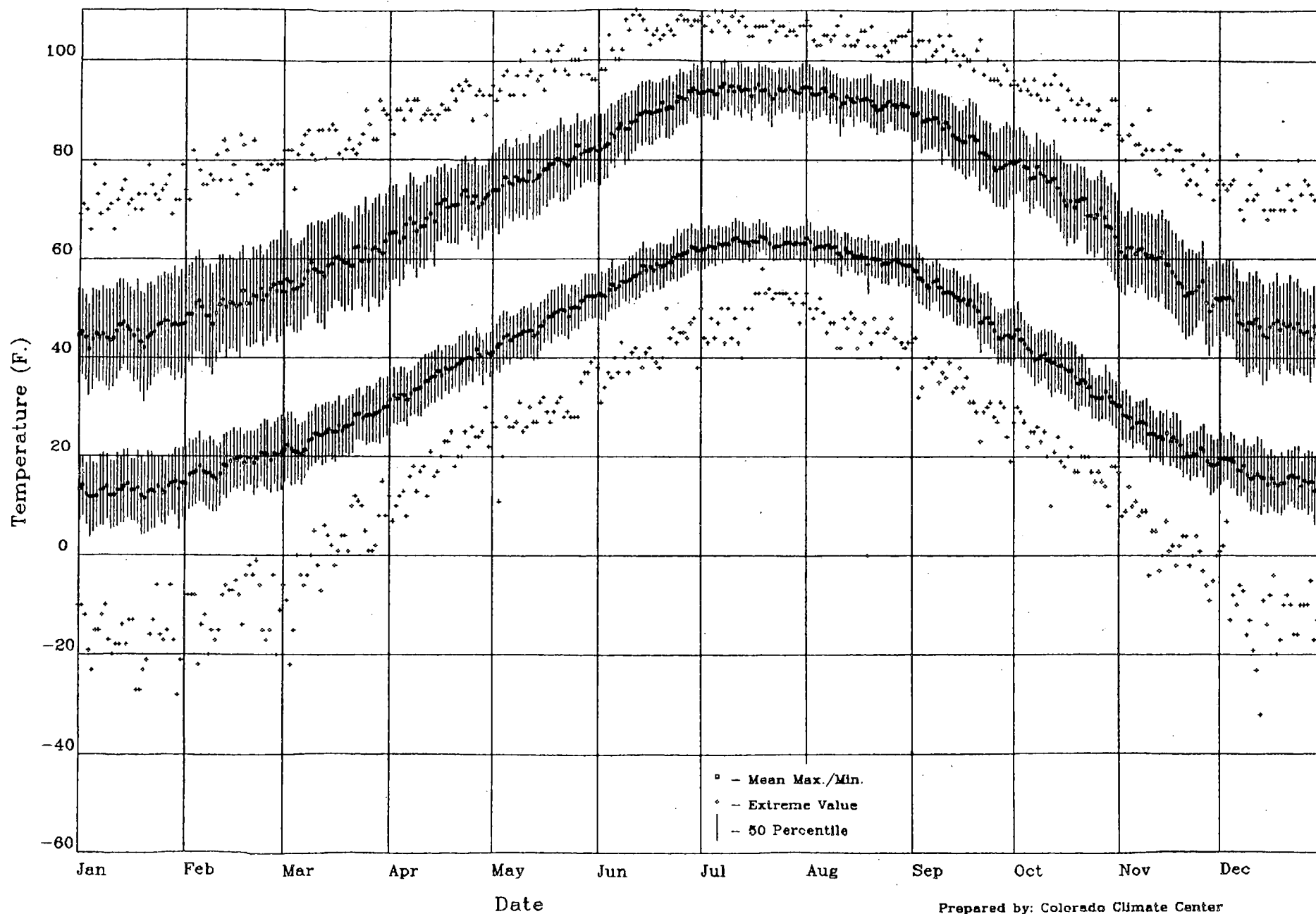
HOLLY

Record: 68 years ending in 1987

Lat 38 3

Long 102 7

Elev 3390



Prepared by: Colorado Climate Center

Latitude: 38 3 Longitude: 102 7 Elevation: 3390 Period of Record: 70 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	45.1	51.0	58.7	69.2	77.9	88.7	94.0	92.1	84.1	73.1	57.4	47.2	69.9
Std. Dev.	6.9	6.5	6.6	4.7	3.8	4.2	2.9	2.9	3.7	5.1	4.9	5.5	
Mean Min.	13.2	18.3	25.4	36.5	47.3	57.6	63.0	60.8	50.9	37.3	23.5	16.1	37.5
Std. Dev.	5.0	4.5	3.8	2.9	3.8	3.5	2.5	3.3	3.8	3.8	2.7	4.1	
Num. Yrs.	65	66	64	66	66	68	65	66	65	62	64	63	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	638	430	271	70	11	0	0	0	5	47	291	562	2325
55	793	566	402	137	29	1	0	0	13	100	427	715	3183
57	855	622	459	173	41	2	0	0	18	130	485	777	3562
60	948	706	547	236	67	5	0	1	30	186	573	869	4169
65	1102	847	698	364	136	16	1	3	67	308	721	1024	5287

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	11	80	271	544	733	670	393	114	3	0	2820
57	0	0	7	56	221	486	671	609	339	83	1	0	2474
60	0	0	3	30	155	400	579	516	261	47	0	0	1992
65	0	0	1	8	70	264	426	364	149	14	0	0	1295
70	0	0	0	1	22	147	276	219	67	3	0	0	734

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	20	55	165	404	704	986	1195	1134	829	483	120	25	6120
45	4	19	84	274	552	839	1041	979	681	342	52	6	4872
50	1	4	33	163	406	691	887	825	535	215	16	1	3776
55	0	1	11	80	271	544	733	670	393	114	3	0	2820
60	0	0	3	30	155	400	579	516	261	47	0	0	1992

Corn GDD 55 91 174 294 443 613 747 711 522 361 149 60 4218

Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	105/1974	123	130	134	138	142	146	150	154	161	167/1985	47	
32	125/1956	135	142	147	151	155	159	163	168	175	180/1973	45	
28	126/1983	154	163	169	175	180	184	190	196	205	211/1972	44	
24	131/1956	173	182	188	193	197	202	207	213	222	234/1950	43	
20	143/1956	184	194	201	206	212	217	223	230	239	251/1953	41	
16	160/1956	205	215	221	227	232	238	243	250	259	275/1953	38	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	4/ 9/1985	4/26	4/30	5/ 3	5/ 6	5/ 9	5/11	5/14	5/17	5/21	5/23/1940	47	
32	4/ 8/1985	4/17	4/22	4/26	4/29	5/ 2	5/ 5	5/ 8	5/12	5/17	5/23/1940	45	
28	3/25/1943	4/ 2	4/ 8	4/12	4/16	4/19	4/23	4/26	5/ 1	5/ 6	5/22/1931	44	
24	3/20/1950	3/28	4/ 1	4/ 4	4/ 7	4/ 9	4/12	4/14	4/17	4/22	4/27/1984	43	
20	3/10/1984	3/20	3/25	3/28	3/31	4/ 2	4/ 5	4/ 8	4/11	4/15	4/22/1959	41	
16	3/ 4/1953	3/11	3/15	3/18	3/21	3/23	3/26	3/29	4/ 1	4/ 5	4/14/1928	38	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	8/19/1956	9/13	9/18	9/21	9/25	9/28	9/30	10/ 4	10/ 7	10/12	10/20/1938	47	
32	8/19/1956	9/18	9/23	9/27	10/ 1	10/ 4	10/ 7	10/11	10/15	10/21	10/25/1973	45	
28	8/19/1956	9/27	10/ 4	10/ 8	10/12	10/16	10/20	10/24	10/28	11/ 4	11/ 8/1953	44	
24	8/19/1956	10/ 4	10/11	10/16	10/20	10/24	10/28	11/ 1	11/ 6	11/13	11/20/1953	43	
20	8/19/1956	10/ 9	10/17	10/22	10/27	10/31	11/ 4	11/ 9	11/15	11/22	11/22/1965	41	
16	8/19/1956	10/19	10/27	11/ 1	11/ 6	11/11	11/15	11/20	11/26	12/ 4	12/ 4/1953	38	

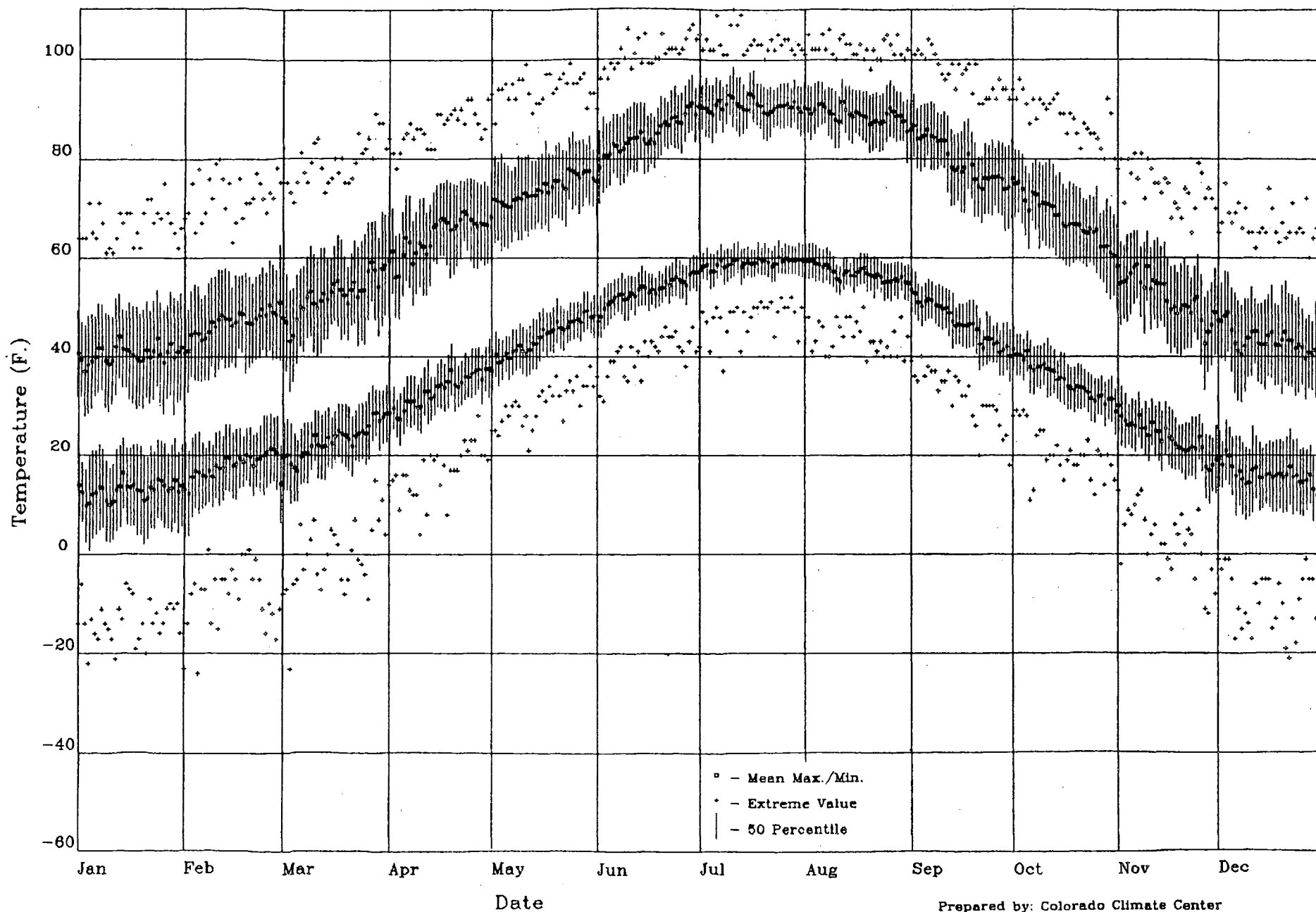
HOLYOKE

Record: 39 years ending in 1987

Lat 40 35

Long 102 18

Elev 3730



Prepared by: Colorado Climate Center

Latitude: 40 35 Longitude: 102 18 Elevation: 3730 Period of Record: 39 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	40.5	46.7	52.3	64.3	73.7	84.5	90.6	88.9	79.7	68.2	52.3	43.3	65.4
Std. Dev.	5.8	6.0	5.8	4.5	3.7	4.3	3.0	3.0	4.3	5.1	4.5	5.8	
Mean Min.	12.9	18.0	23.1	33.2	43.9	53.3	58.9	56.8	46.8	35.3	23.5	16.0	35.1
Std. Dev.	4.7	4.0	3.7	2.9	2.6	2.1	1.8	2.3	2.4	2.9	3.0	3.9	
Num. Yrs.	37	37	37	37	37	37	37	38	39	38	38	38	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	715	495	389	126	19	1	0	0	9	80	362	622	2818
55	870	634	531	220	54	3	0	0	25	157	505	776	3775
57	932	690	591	266	75	6	0	0	35	198	564	838	4197
60	1025	775	683	342	117	13	1	1	58	269	654	931	4867
65	1180	916	837	482	216	39	3	7	119	407	803	1085	6094

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	5	40	178	427	622	561	278	63	1	0	2175
57	0	0	3	26	138	370	560	499	229	42	0	0	1867
60	0	0	1	12	87	287	467	407	162	20	0	0	1442
65	0	0	0	2	30	164	315	258	73	3	0	0	845
70	0	0	0	0	6	71	172	127	22	0	0	0	399

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	15	38	101	296	591	874	1087	1025	704	383	87	21	5222
45	3	12	47	182	440	724	932	870	556	251	32	5	4054
50	0	3	17	96	298	575	777	715	413	140	8	1	3042
55	0	0	5	40	178	427	622	561	278	63	1	0	2175
60	0	0	1	12	87	287	467	407	162	20	0	0	1442

Corn GDD	28	54	109	230	372	537	680	639	447	288	98	37	3518
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	85/1974	108	114	119	123	127	131	135	140	146	159/1987	36	
32	117/1951	130	136	140	143	147	150	153	157	163	168/1962	35	
28	145/1971	153	159	163	166	170	173	177	181	187	194/1973	35	
24	160/1983	171	177	182	186	190	193	197	202	209	217/1981	35	
20	160/1983	181	190	197	203	209	214	220	227	237	246/1978	35	
16	197/1952	205	213	219	224	229	234	239	245	254	278/1963	34	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/23/1987	5/ 2	5/ 7	5/11	5/14	5/17	5/20	5/23	5/26	6/ 1	6/14/1969	36	
32	4/15/1949	4/24	4/28	5/ 1	5/ 4	5/ 7	5/ 9	5/12	5/15	5/20	6/ 2/1951	35	
28	4/ 8/1962	4/12	4/17	4/20	4/23	4/26	4/29	5/ 2	5/ 5	5/10	5/22/1963	35	
24	3/17/1960	3/31	4/ 5	4/ 9	4/12	4/15	4/17	4/20	4/24	4/29	4/30/1950	35	
20	3/ 5/1978	3/19	3/25	3/29	4/ 2	4/ 5	4/ 8	4/12	4/16	4/22	4/30/1950	35	
16	3/ 4/1978	3/11	3/16	3/20	3/23	3/26	3/29	4/ 1	4/ 5	4/10	4/16/1951	34	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 2/1952	9/ 7	9/12	9/15	9/18	9/21	9/23	9/26	9/29	10/ 4	10/26/1963	36	
32	9/13/1949	9/19	9/23	9/26	9/28	9/30	10/ 3	10/ 5	10/ 8	10/12	10/28/1963	35	
28	9/19/1971	9/28	10/ 3	10/ 7	10/10	10/13	10/16	10/19	10/23	10/28	11/ 4/1965	35	
24	9/21/1983	10/ 5	10/10	10/15	10/18	10/21	10/25	10/28	11/ 1	11/ 7	11/27/1965	35	
20	9/21/1983	10/12	10/19	10/23	10/27	10/31	11/ 3	11/ 7	11/12	11/18	11/29/1965	35	
16	10/ 6/1952	10/23	10/29	11/ 3	11/ 7	11/10	11/14	11/18	11/22	11/28	12/15/1965	34	

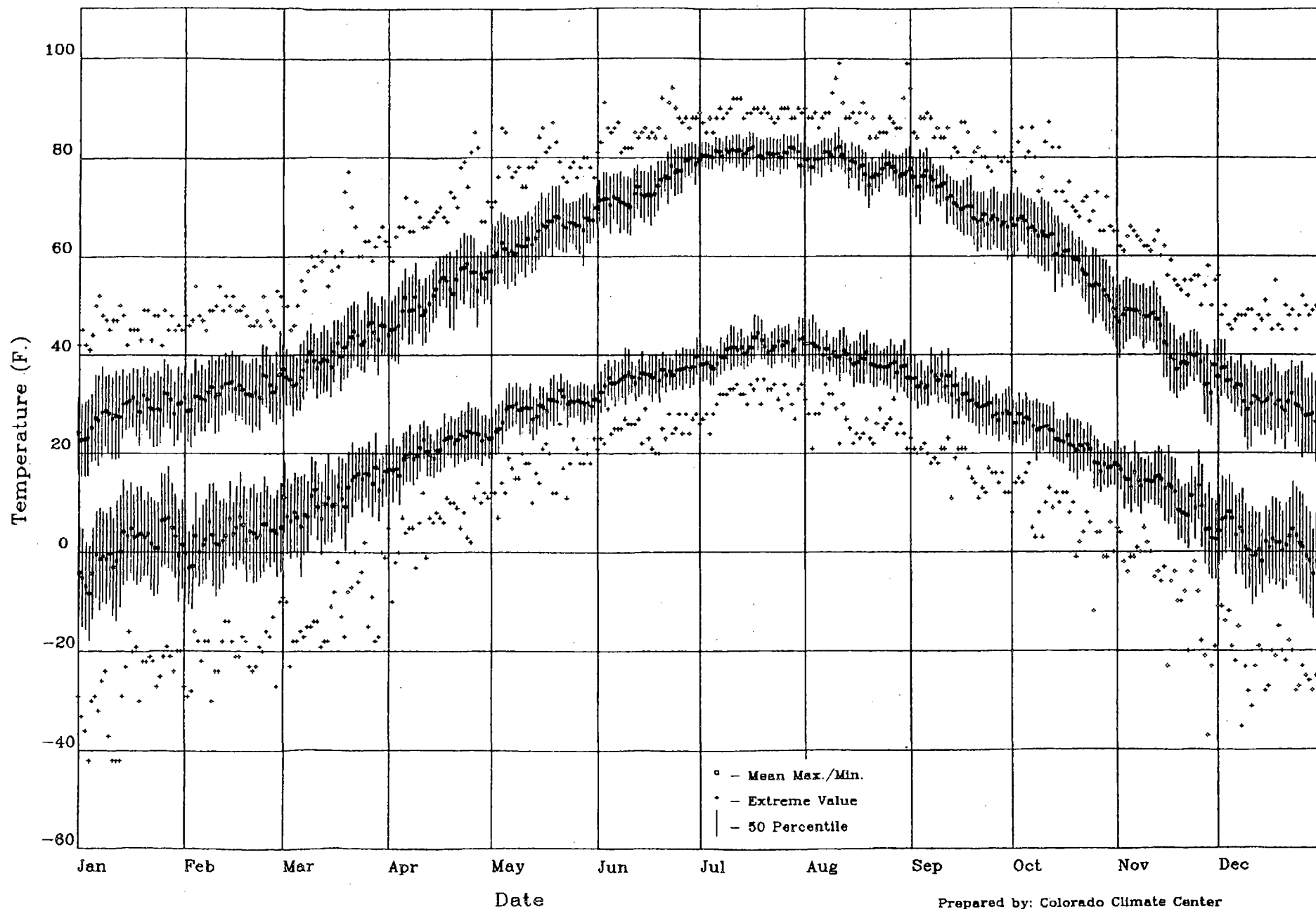
HOT SULPHUR SP 2 SW

Record: 30 years ending in 1981

Lat 40 3

Long 106 8

Elev 7600



Prepared by: Colorado Climate Center

Latitude: 40 3 Longitude: 106 8 Elevation: 7600

Period of Record: 30 years ending in 1981

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	28.4	32.3	40.3	52.3	64.0	73.6	80.7	78.5	71.1	60.0	42.9	30.9	54.6
Std. Dev.	5.8	5.0	5.1	4.3	3.1	3.4	2.2	2.2	3.6	4.2	4.1	5.2	
Mean Min.	1.0	3.5	11.6	21.3	28.9	35.5	41.0	38.9	31.7	22.3	12.3	2.0	20.8
Std. Dev.	7.1	5.2	5.7	3.4	2.1	1.7	2.3	3.5	4.0	3.7	3.3	5.2	
Num. Yrs.	24	25	26	26	24	25	24	25	28	24	24	26	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1079	874	716	382	131	16	0	1	48	261	644	971	5123
55	1233	1012	866	525	258	61	2	12	125	405	789	1117	6405
57	1295	1067	927	583	317	95	7	26	169	464	847	1176	6972
60	1387	1149	1017	669	408	161	28	65	248	554	934	1263	7883
65	1541	1286	1168	814	561	296	126	186	388	704	1079	1409	9558

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	2	4	55	189	132	29	0	0	0	411
57	0	0	0	1	1	31	133	85	16	0	0	0	268
60	0	0	0	1	0	10	62	34	7	0	0	0	113
65	0	0	0	0	0	1	7	3	2	0	0	0	13
70	0	0	0	0	0	0	1	0	0	0	0	0	1

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	5	49	223	426	646	572	346	112	3	0	2382
45	0	0	1	16	106	285	493	421	211	38	0	0	1571
50	0	0	0	5	30	154	340	271	98	6	0	0	905
55	0	0	0	2	4	55	189	132	29	0	0	0	411
60	0	0	0	1	0	10	62	34	7	0	0	0	113

Corn GDD 0 0 12 78 222 340 469 430 309 170 21 0 2053

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1977	0	7	12	16	20	23	28	32	39	52/1961	21
32	0/1977	18	28	35	42	48	54	60	68	78	87/1963	19
28	36/1975	38	51	61	69	77	85	93	103	116	124/1958	14
24	79/1972	93	101	107	113	118	123	128	134	143	145/1958	11
20	117/1971	123	130	135	140	144	148	152	157	165	168/1965	11
16	134/1970	145	152	156	160	164	168	172	176	183	189/1965	10

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/ 2/1973	7/ 6	7/ 8	7/ 9	7/11	7/12	7/13	7/14	7/16	7/18	7/19/1977	21
32	6/16/1961	6/20	6/24	6/27	6/30	7/ 2	7/ 4	7/ 7	7/ 9	7/13	7/19/1977	19
28	5/14/1958	5/21	5/29	6/ 4	6/ 9	6/13	6/18	6/23	6/29	7/ 7	7/ 5/1974	14
24	5/ 5/1958	5/ 4	5/11	5/16	5/21	5/25	5/29	6/ 2	6/ 7	6/14	7/ 4/1972	11
20	4/27/1958	4/24	4/29	5/ 2	5/ 5	5/ 8	5/11	5/14	5/17	5/22	5/24/1971	11
16	4/ 7/1971	4/13	4/19	4/24	4/27	5/ 1	5/ 4	5/ 8	5/12	5/18	5/23/1972	10

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1977	7/15	7/21	7/25	7/28	7/31	8/ 4	8/ 7	8/11	8/16	9/ 2/1961	21
32	7/19/1977	7/28	8/ 4	8/10	8/14	8/19	8/23	8/28	9/ 2	9/10	9/15/1963	19
28	8/ 2/1975	8/ 9	8/16	8/21	8/25	8/29	9/ 2	9/ 6	9/12	9/18	9/23/1969	14
24	9/ 1/1965	9/ 6	9/11	9/14	9/17	9/19	9/22	9/25	9/28	10/ 2	10/ 5/1969	11
20	9/ 9/1962	9/16	9/20	9/23	9/26	9/29	10/ 1	10/ 4	10/ 7	10/12	10/13/1965	11
16	9/19/1971	9/24	9/30	10/ 5	10/ 8	10/12	10/15	10/19	10/23	10/29	10/29/1972	10

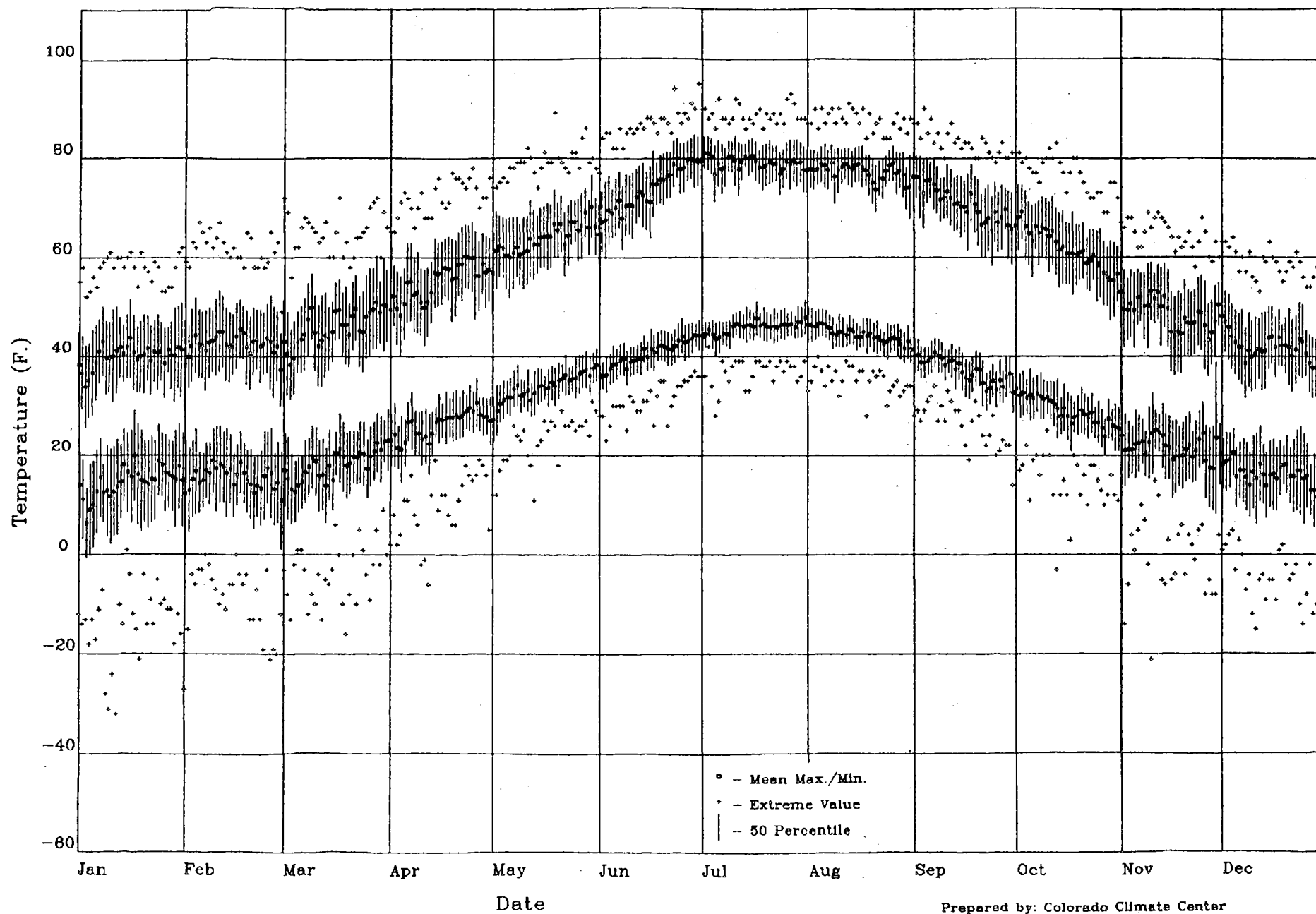
IDAHO SPRINGS

Record: 28 years ending in 1976

Lat 39 45

Long 105 31

Elev 7560



Prepared by: Colorado Climate Center

Latitude: 39 45 Longitude: 105 31 Elevation: 7560 Period of Record: 29 years ending in 1976

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	40.0	42.6	45.9	55.1	63.8	73.5	79.3	77.3	70.7	61.8	48.8	41.9	58.4
Std. Dev.	3.3	4.9	4.5	3.8	3.6	3.9	2.1	2.2	3.8	4.8	4.0	3.3	
Mean Min.	14.5	15.7	18.3	26.3	33.8	40.5	45.9	44.3	37.1	29.0	21.6	16.1	28.6
Std. Dev.	5.6	5.3	4.0	2.3	2.2	2.4	2.7	2.5	2.6	3.2	4.2	3.4	
Num. Yrs.	26	25	25	23	23	24	22	25	22	23	24	24	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	692	575	537	283	98	14	0	1	34	165	427	644	3470
55	845	714	687	423	199	48	3	5	85	292	571	798	4670
57	906	770	748	482	251	70	6	11	118	349	630	860	5201
60	999	854	838	570	337	120	16	33	184	439	717	953	6060
65	1152	993	990	719	487	236	84	130	325	592	862	1107	7677

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	2	17	115	243	191	59	6	1	0	634
57	0	0	0	1	8	79	185	135	33	2	1	0	443
60	0	0	0	0	3	39	103	64	9	0	1	0	219
65	0	0	0	0	0	6	17	7	0	0	1	0	31
70	0	0	0	0	0	1	0	0	0	0	0	0	1

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	10	14	29	113	289	514	701	649	426	207	42	8	3003
45	2	3	7	44	163	368	548	494	285	100	10	2	2026
50	1	0	1	11	69	230	394	341	157	32	2	0	1238
55	0	0	0	2	17	115	243	191	59	6	1	0	634
60	0	0	0	0	3	39	103	64	9	0	1	0	219

Corn GDD	11	19	42	114	219	350	452	423	312	195	52	14	2202
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	13/1962	38	48	55	61	66	72	78	85	95	100/1963	20	
32	58/1960	73	81	87	93	98	102	108	114	122	146/1963	18	
28	76/1962	91	100	107	113	119	124	130	137	147	162/1963	17	
24	105/1951	123	132	139	145	151	156	162	169	178	191/1963	15	
20	142/1961	158	165	169	173	176	180	184	188	194	192/1963	13	
16	166/1953	170	177	182	186	190	194	198	203	210	214/1964	10	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	6/ 3/1949	6/ 7	6/12	6/15	6/18	6/21	6/24	6/27	7/ 1	7/ 6	7/16/1962	20	
32	5/22/1952	5/26	5/30	6/ 3	6/ 5	6/ 8	6/10	6/13	6/16	6/21	6/23/1964	18	
28	5/10/1969	5/12	5/17	5/21	5/24	5/27	5/30	6/ 2	6/ 6	6/11	6/21/1953	17	
24	4/23/1952	4/22	4/28	5/ 1	5/ 5	5/ 8	5/11	5/14	5/18	5/23	6/ 3/1951	15	
20	4/ 5/1965	4/10	4/15	4/18	4/21	4/24	4/27	4/30	5/ 3	5/ 8	5/13/1953	13	
16	4/ 4/1964	4/ 4	4/10	4/14	4/17	4/20	4/23	4/27	4/30	5/ 6	5/13/1953	10	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	7/22/1961	8/ 3	8/11	8/17	8/22	8/27	8/31	9/ 5	9/11	9/20	9/25/1963	20	
32	8/10/1960	8/26	9/ 1	9/ 6	9/10	9/13	9/17	9/21	9/26	10/ 2	10/16/1963	18	
28	8/18/1960	9/ 3	9/ 9	9/14	9/19	9/23	9/26	10/ 1	10/ 6	10/12	10/22/1963	17	
24	9/16/1951	9/17	9/23	9/28	10/ 2	10/ 5	10/ 9	10/13	10/17	10/23	11/ 1/1963	15	
20	9/17/1965	9/30	10/ 6	10/10	10/14	10/17	10/21	10/25	10/29	11/ 4	11/ 3/1950	13	
16	10/15/1966	10/18	10/21	10/24	10/26	10/27	10/29	10/31	11/ 2	11/ 5	11/ 5/1952	10	

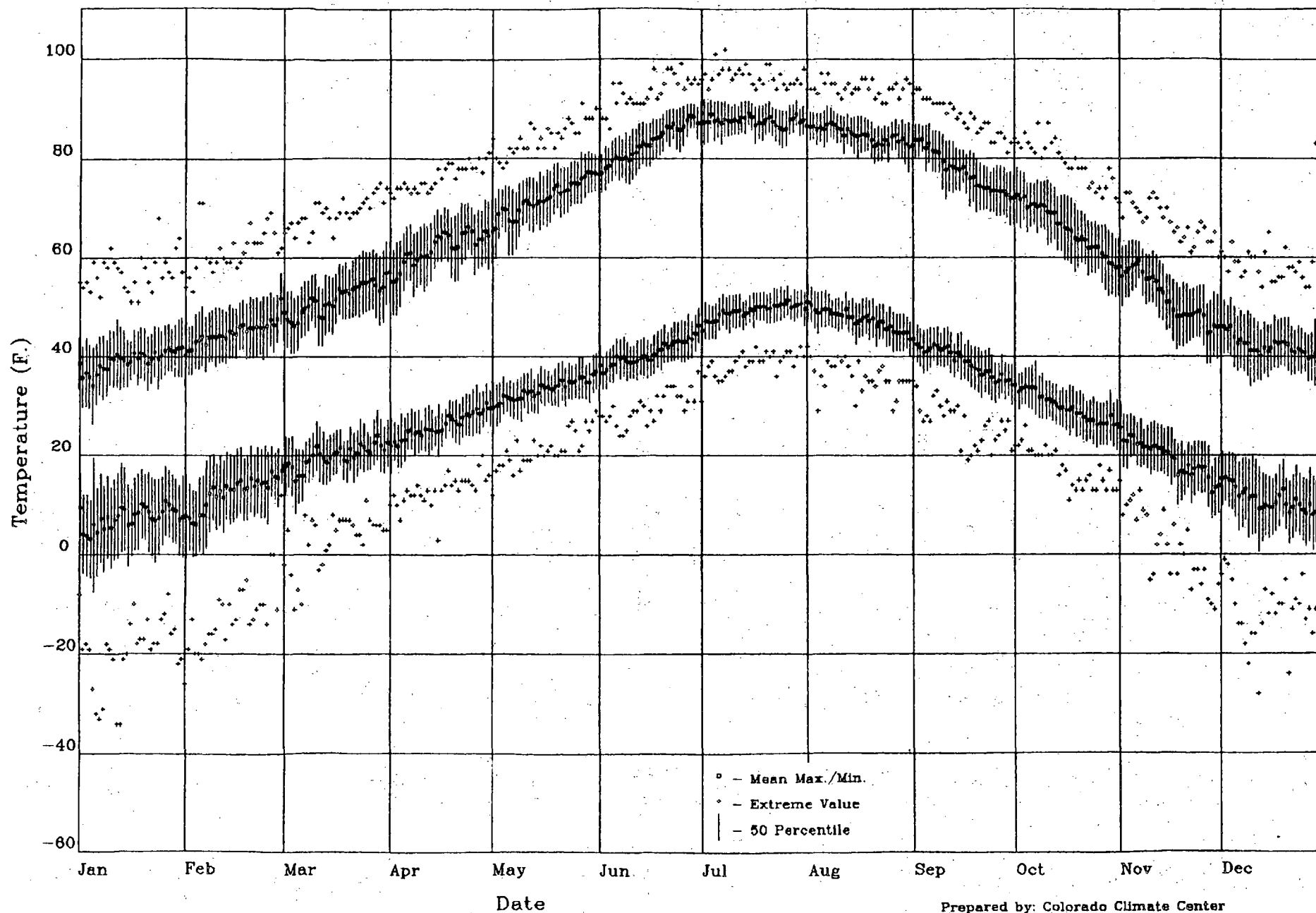
IGNACIO 1 N

Record: 40 years ending in 1987

Lat 37 8

Long 107 38

Elev 6420



Prepared by: Colorado Climate Center

Latitude: 37 8 Longitude: 107 38 Elevation: 6420 Period of Record: 41 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	39.3	44.6	51.6	61.9	72.0	83.0	87.6	84.9	77.3	65.9	51.6	42.0	63.5
Std. Dev.	4.8	4.8	4.2	4.7	3.0	3.0	1.8	2.4	4.1	4.8	4.0	4.0	
Mean Min.	7.6	12.4	19.9	26.3	33.5	40.8	49.4	47.6	39.2	29.9	19.6	10.8	28.1
Std. Dev.	5.5	5.7	2.6	2.2	2.2	2.3	1.9	3.0	2.8	3.4	3.6	4.3	
Num. Yrs.	34	37	38	36	35	39	35	37	34	34	34	37	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	800	590	415	186	35	1	0	0	8	104	415	706	3258
55	951	728	563	319	104	8	0	0	29	216	562	857	4337
57	1012	784	623	376	145	17	0	1	47	271	621	917	4814
60	1103	867	712	464	221	38	1	3	89	361	710	1008	5576
65	1255	1005	861	613	367	112	9	28	199	512	857	1159	6977

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	2	41	217	418	354	134	7	0	0	1173
57	0	0	0	1	22	166	358	293	93	3	0	0	935
60	0	0	0	0	6	100	267	203	46	1	0	0	623
65	0	0	0	0	0	28	123	74	8	0	0	0	234
70	0	0	0	0	0	4	25	10	1	0	0	0	39

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	1	4	32	162	396	647	875	815	548	259	32	0	3772
45	0	0	5	69	251	501	723	661	402	137	5	0	2754
50	0	0	1	18	125	356	570	507	260	47	0	0	1884
55	0	0	0	2	41	217	418	354	134	7	0	0	1173
60	0	0	0	0	6	100	267	203	46	1	0	0	623

Corn GDD	6	18	68	187	335	467	553	533	402	246	71	11	2893
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	32/1973	44	54	61	67	73	78	84	91	101	134/1984	26	
32	76/1973	79	87	93	98	103	108	114	120	128	157/1984	22	
28	98/1950	101	111	118	124	130	136	142	149	159	198/1984	21	
24	116/1950	122	134	143	150	157	164	171	180	192	239/1984	21	
20	122/1971	152	162	170	176	182	188	194	202	212	239/1984	20	
16	160/1975	181	190	197	203	209	214	220	227	237	262/1984	18	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/17/1984	6/ 6	6/11	6/15	6/18	6/21	6/24	6/27	7/ 1	7/ 6	7/ 8/1955	26	
32	5/ 9/1984	5/26	5/31	6/ 4	6/ 7	6/10	6/13	6/16	6/20	6/25	6/27/1965	22	
28	4/26/1984	5/ 9	5/13	5/17	5/20	5/23	5/25	5/28	6/ 1	6/ 6	6/ 9/1950	21	
24	3/31/1984	4/23	4/29	5/ 3	5/ 7	5/11	5/14	5/18	5/23	5/29	6/ 8/1950	21	
20	3/31/1984	4/10	4/16	4/20	4/23	4/27	4/30	5/ 4	5/ 8	5/14	5/19/1971	20	
16	3/ 8/1984	3/24	3/30	4/ 4	4/ 8	4/11	4/15	4/19	4/24	4/30	5/ 7/1975	18	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/23/1973	8/11	8/18	8/24	8/28	9/ 2	9/ 6	9/10	9/16	9/23	9/28/1963	26	
32	9/ 3/1973	9/ 7	9/12	9/15	9/18	9/21	9/24	9/27	10/ 1	10/ 6	10/13/1981	22	
28	9/ 5/1971	9/11	9/18	9/22	9/26	9/30	10/ 4	10/ 8	10/12	10/19	11/10/1984	21	
24	9/18/1971	9/22	9/30	10/ 5	10/10	10/15	10/19	10/24	10/29	11/ 6	11/25/1984	21	
20	9/18/1971	10/ 6	10/13	10/18	10/22	10/26	10/30	11/ 3	11/ 8	11/15	11/25/1984	20	
16	10/14/1975	10/23	10/28	10/31	11/ 3	11/ 6	11/ 9	11/12	11/15	11/20	11/25/1984	18	

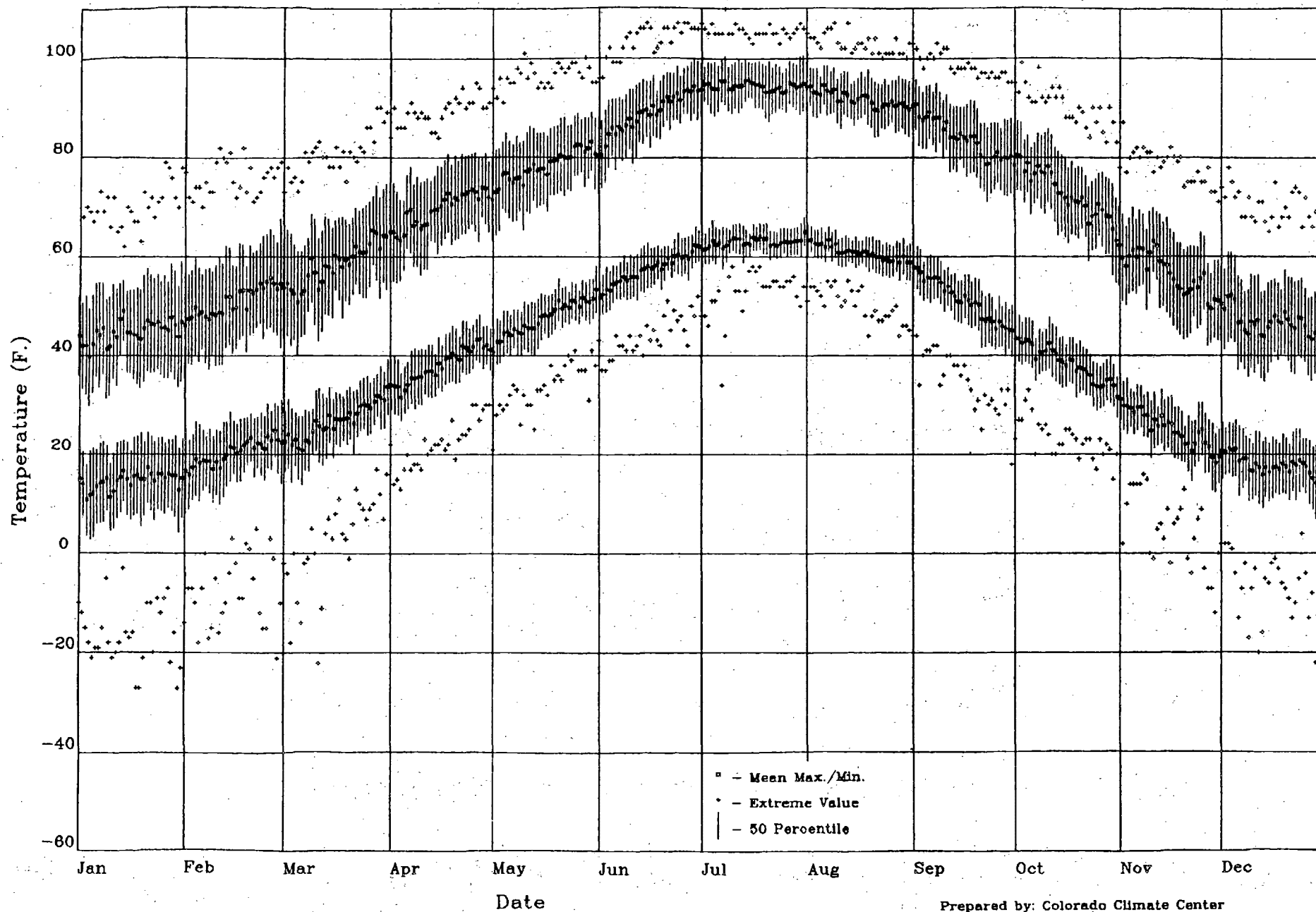
JOHN MARTIN DAM

Record: 47 years ending in 1987

Lat 38 4

Long 102 55

Elev 3810



Prepared by: Colorado Climate Center

Latitude: 38 4 Longitude: 102 55 Elevation: 3810

Period of Record: 47 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	44.8	51.0	57.6	69.5	78.1	88.7	94.3	92.0	84.1	73.1	56.7	46.8	69.7
Std. Dev.	5.7	7.0	6.6	5.5	4.1	4.5	3.2	2.6	3.4	4.8	5.8	4.8	
Mean Min.	14.7	20.6	26.4	38.2	47.6	57.2	63.0	60.9	51.3	38.8	25.4	18.2	38.5
Std. Dev.	4.3	3.6	3.6	2.9	2.3	2.6	1.8	1.9	2.6	3.0	2.9	3.3	
Num. Yrs.	36	35	36	44	43	43	40	43	41	38	36	35	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	611	397	277	60	9	0	0	0	3	39	274	532	2202
55	764	533	404	120	26	1	0	0	9	86	409	685	3036
57	825	589	461	152	38	2	0	0	13	115	467	746	3408
60	917	672	550	211	64	5	0	1	23	169	555	839	4006
65	1070	813	702	331	130	18	1	2	58	287	704	992	5108

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	11	92	273	540	740	662	391	121	2	0	2833
57	0	1	7	66	224	482	678	601	336	88	0	0	2482
60	0	0	2	36	158	397	585	509	258	51	0	0	1996
65	0	0	0	10	72	262	431	358	144	14	0	0	1291
70	0	0	0	1	22	145	280	213	61	2	0	0	724

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	24	61	173	424	708	982	1204	1120	827	502	130	28	6182
45	6	22	90	294	557	834	1049	967	679	358	56	7	4918
50	1	5	38	179	410	687	894	814	534	228	16	1	3807
55	0	1	11	92	273	540	740	662	391	121	2	0	2833
60	0	0	2	36	158	397	585	509	258	51	0	0	1996

Corn GDD	51	86	166	295	441	604	749	701	518	358	139	53	4162
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	105/1974	122	130	136	141	145	150	155	161	169	187/1957	33	
32	130/1971	138	145	151	155	160	164	169	174	182	201/1949	33	
28	155/1966	174	179	184	187	191	194	198	202	208	211/1960	32	
24	178/1966	187	194	199	203	207	212	216	221	228	237/1960	31	
20	195/1977	202	209	215	219	224	228	232	238	245	264/1949	31	
16	219/1945	228	233	237	241	244	247	251	255	260	270/1954	27	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/16/1949	4/25	4/29	5/ 2	5/ 5	5/ 7	5/10	5/12	5/15	5/20	5/29/1947	33	
32	4/ 4/1949	4/17	4/22	4/25	4/28	5/ 1	5/ 4	5/ 7	5/10	5/15	5/29/1947	33	
28	3/19/1946	3/28	4/ 3	4/ 7	4/11	4/14	4/17	4/21	4/25	4/30	5/13/1966	32	
24	3/16/1947	3/22	3/27	3/31	4/ 3	4/ 6	4/ 8	4/12	4/15	4/20	5/ 1/1967	31	
20	3/ 8/1946	3/14	3/19	3/22	3/25	3/28	3/30	4/ 2	4/ 6	4/10	4/20/1966	31	
16	3/ 6/1947	3/ 8	3/12	3/15	3/17	3/20	3/22	3/24	3/27	3/31	4/ 4/1945	27	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 3/1974	9/15	9/20	9/23	9/27	9/30	10/ 3	10/ 6	10/ 9	10/15	10/25/1963	33	
32	9/19/1971	9/24	9/28	10/ 2	10/ 5	10/ 8	10/11	10/14	10/17	10/22	11/ 1/1963	33	
28	9/26/1942	10/ 9	10/13	10/16	10/19	10/21	10/24	10/27	10/30	11/ 3	11/ 9/1944	32	
24	10/11/1977	10/16	10/21	10/24	10/27	10/30	11/ 2	11/ 5	11/ 9	11/14	11/22/1965	31	
20	10/12/1977	10/22	10/27	10/31	11/ 3	11/ 6	11/ 9	11/12	11/16	11/21	12/ 4/1949	31	
16	11/ 2/1966	11/ 6	11/10	11/14	11/16	11/19	11/21	11/24	11/27	12/ 1	12/ 9/1949	27	

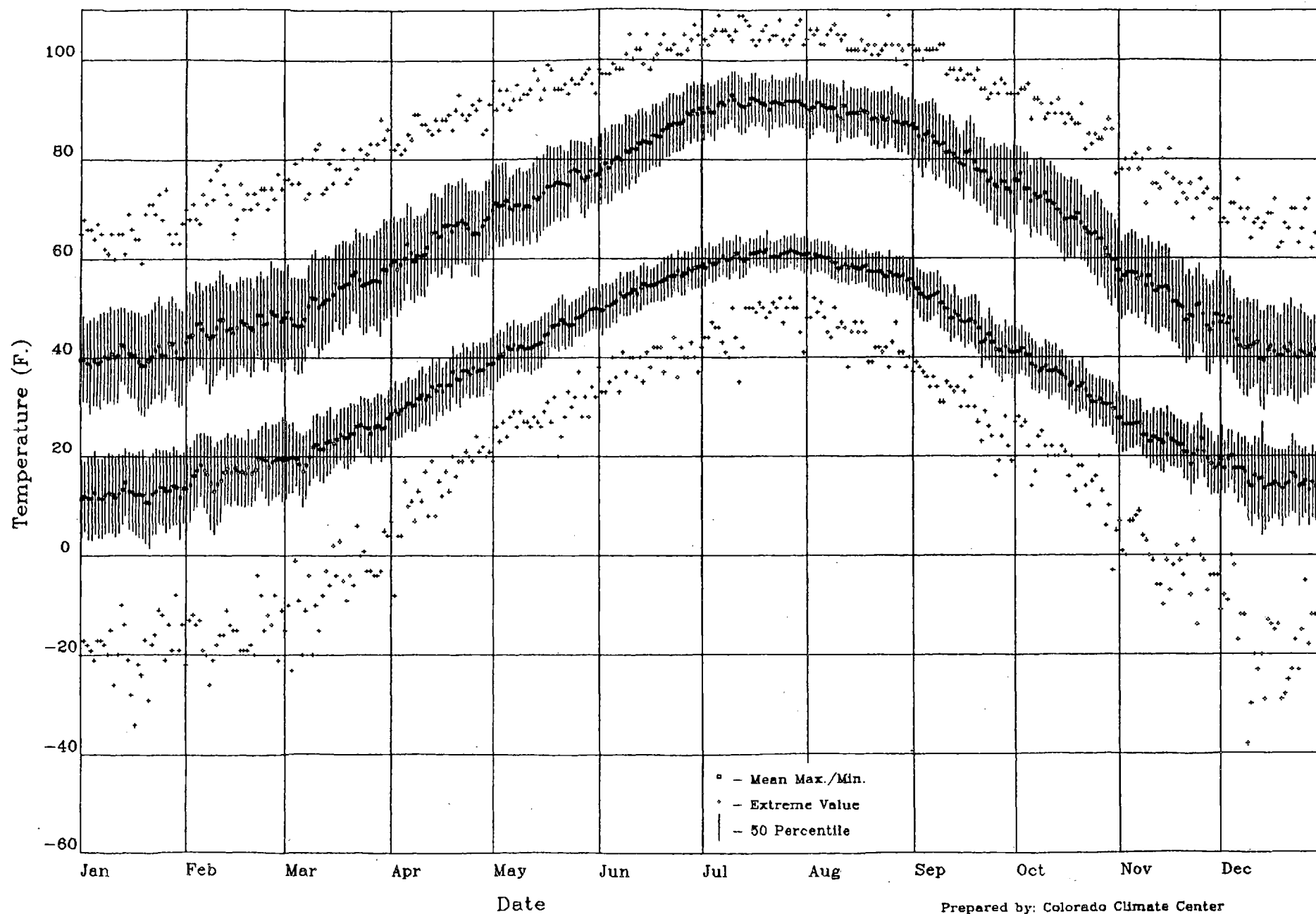
JULESBURG

Record: 67 years ending in 1987

Lat 41 0

Long 102 15

Elev 3470



Prepared by: Colorado Climate Center

Latitude: 41 0 Longitude: 102 15 Elevation: 3470 Period of Record: 70 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	40.3	46.5	52.6	63.8	73.4	83.8	91.2	89.1	80.0	68.7	52.4	42.2	65.3
Std. Dev.	6.5	6.2	5.5	5.1	4.3	4.6	3.3	3.3	4.0	5.1	5.2	5.8	
Mean Min.	12.5	17.1	23.0	33.9	44.6	54.3	60.4	58.1	47.4	35.3	22.9	15.4	35.4
Std. Dev.	5.6	5.2	3.9	3.2	2.9	2.3	2.1	2.1	3.0	2.8	2.8	4.2	
Num. Yrs.	66	64	65	67	67	65	67	67	67	66	67	65	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	720	506	383	126	19	1	0	0	8	78	366	648	2855
55	875	645	526	218	51	4	0	0	22	152	510	802	3804
57	937	701	586	264	73	7	0	0	32	191	569	863	4222
60	1029	785	677	339	114	15	0	1	54	260	658	956	4890
65	1184	925	831	478	211	44	3	6	115	396	806	1110	6111

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	3	41	182	429	646	580	291	67	1	0	2241
57	0	0	2	27	141	372	585	519	241	45	0	0	1933
60	0	0	1	13	91	291	493	427	174	22	0	0	1512
65	0	0	0	3	35	171	341	278	85	4	0	0	917
70	0	0	0	0	9	80	199	145	31	0	0	0	465

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	10	33	100	300	591	872	1108	1041	719	393	78	17	5261
45	1	9	44	186	441	723	954	887	571	260	28	3	4108
50	0	1	15	99	302	575	800	734	427	148	6	0	3107
55	0	0	3	41	182	429	646	580	291	67	1	0	2241
60	0	0	1	13	91	291	493	427	174	22	0	0	1512

Corn GDD	24	54	110	224	368	539	695	653	457	297	98	32	3552
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	62/1922	101	108	113	118	122	126	130	135	142	153/1987	47	
32	111/1922	127	133	138	141	145	148	152	156	162	173/1956	46	
28	143/1924	146	153	158	162	166	169	173	178	185	197/1960	42	
24	146/1931	163	171	177	183	188	192	198	204	212	242/1965	42	
20	164/1931	185	192	198	203	207	211	216	221	229	247/1946	41	
16	195/1920	201	210	215	221	225	230	235	241	249	265/1942	41	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/21/1977	5/ 2	5/ 8	5/12	5/16	5/20	5/24	5/27	6/ 1	6/ 7	7/12/1922	47	
32	4/21/1977	4/27	5/ 1	5/ 4	5/ 7	5/ 9	5/12	5/14	5/17	5/22	5/31/1922	46	
28	4/ 5/1960	4/13	4/18	4/21	4/24	4/27	4/30	5/ 3	5/ 7	5/12	5/22/1931	42	
24	3/17/1960	4/ 1	4/ 6	4/10	4/13	4/16	4/19	4/22	4/26	5/ 1	5/21/1931	42	
20	3/ 8/1946	3/23	3/28	4/ 1	4/ 5	4/ 8	4/11	4/15	4/19	4/24	5/20/1931	41	
16	3/ 2/1942	3/15	3/20	3/23	3/26	3/29	3/31	4/ 3	4/ 7	4/11	4/14/1928	41	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 5/1961	9/ 9	9/12	9/15	9/17	9/19	9/21	9/23	9/25	9/29	10/ 7/1940	47	
32	9/ 9/1929	9/16	9/21	9/25	9/28	10/ 1	10/ 4	10/ 7	10/10	10/15	10/28/1963	46	
28	9/20/1983	9/26	10/ 1	10/ 4	10/ 7	10/10	10/13	10/16	10/19	10/24	10/29/1940	42	
24	9/21/1983	10/ 4	10/10	10/14	10/17	10/20	10/24	10/27	10/31	11/ 6	11/27/1965	42	
20	9/26/1934	10/17	10/22	10/26	10/29	11/ 1	11/ 4	11/ 7	11/11	11/16	11/29/1965	41	
16	10/17/1922	10/24	10/30	11/ 3	11/ 6	11/ 9	11/12	11/15	11/19	11/25	12/15/1965	41	

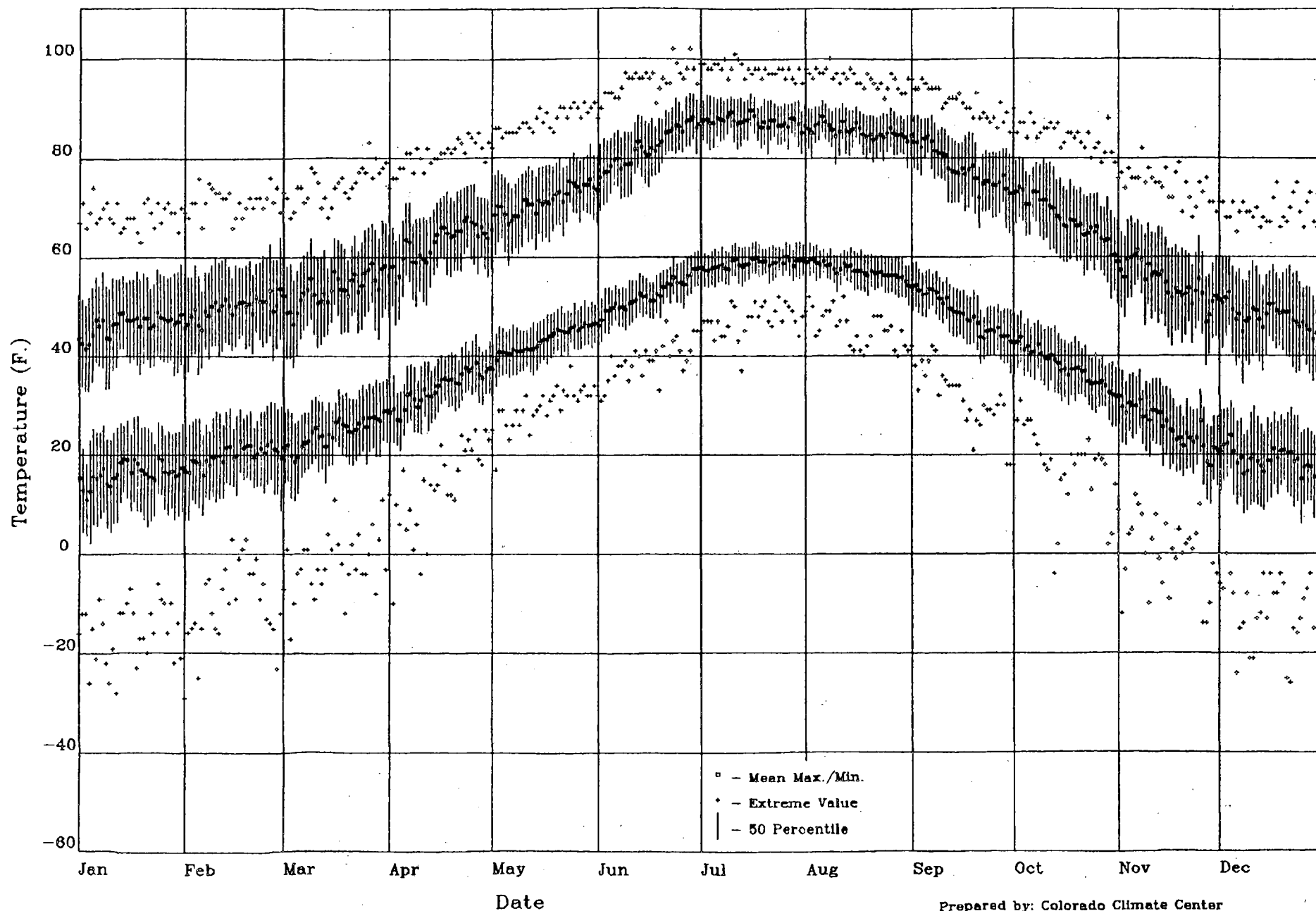
KASSLER

Record: 40 years ending in 1987

Lat 39 30

Long 105 6

Elev 5500



Latitude: 39 30 Longitude: 105 6 Elevation: 5500 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	46.3	49.7	53.5	62.8	71.2	82.0	87.4	85.5	78.3	67.9	54.9	48.0	65.6
Std. Dev.	5.4	5.2	4.8	4.1	3.7	3.9	2.0	1.9	3.6	4.9	4.7	5.0	
Mean Min.	16.2	20.0	24.6	33.6	43.1	52.3	58.7	57.3	48.5	37.7	25.7	18.8	36.4
Std. Dev.	5.0	4.4	3.5	3.0	2.3	2.6	2.1	2.1	3.0	3.5	3.6	5.0	
Num. Yrs.	39	39	39	39	39	39	39	40	40	39	40	40	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	575	426	351	137	29	2	0	0	10	79	309	507	2425
55	728	561	490	232	69	7	0	0	25	146	438	656	3352
57	790	616	549	278	93	11	1	1	35	183	494	717	3768
60	882	700	640	355	142	21	1	2	56	246	581	809	4437
65	1037	841	794	494	252	57	5	9	114	375	730	962	5671

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	5	36	143	378	565	510	283	87	6	1	2014
57	0	0	2	23	106	322	503	449	233	61	3	0	1702
60	0	0	1	10	61	242	411	358	165	32	1	0	1281
65	0	0	0	1	16	128	261	212	74	6	0	0	697
70	0	0	0	0	2	48	126	89	20	0	0	0	286

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	43	64	122	285	542	820	1027	971	707	423	140	57	5202
45	13	24	57	174	395	671	873	817	560	290	70	20	3965
50	2	7	20	90	258	523	719	664	417	174	27	5	2905
55	0	1	5	36	143	378	565	510	283	87	6	1	2014
60	0	0	1	10	61	242	411	358	165	32	1	0	1281

Corn GDD 53 68 112 208 340 512 663 628 451 291 123 62 3510

Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	98/1962	106	113	118	123	127	131	135	141	148	159/1963	35	
32	111/1983	123	130	135	140	144	148	153	158	165	186/1963	34	
28	131/1965	150	157	162	167	171	175	179	184	191	202/1974	34	
24	166/1969	171	177	182	186	189	193	197	201	208	225/1965	34	
20	172/1984	181	191	197	203	209	214	220	227	236	245/1963	33	
16	178/1966	201	209	215	219	224	229	234	240	248	262/1965	32	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/30/1958	5/10	5/14	5/17	5/20	5/22	5/25	5/27	5/30	6/ 4	6/14/1969	35	
32	4/22/1987	4/27	5/ 2	5/ 6	5/ 9	5/12	5/15	5/18	5/22	5/27	6/ 3/1954	34	
28	4/ 5/1981	4/14	4/18	4/21	4/24	4/26	4/28	5/ 1	5/ 4	5/ 8	5/13/1953	34	
24	3/29/1965	4/ 4	4/ 9	4/12	4/15	4/18	4/20	4/23	4/27	5/ 1	5/12/1953	34	
20	3/ 8/1967	3/20	3/26	3/30	4/ 2	4/ 5	4/ 9	4/12	4/16	4/22	5/ 2/1954	33	
16	3/ 4/1978	3/15	3/20	3/24	3/28	3/31	4/ 3	4/ 6	4/10	4/15	4/20/1966	32	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 3/1961	9/11	9/16	9/20	9/23	9/26	9/29	10/ 2	10/ 6	10/12	10/27/1963	35	
32	9/ 9/1962	9/18	9/23	9/27	9/30	10/ 3	10/ 6	10/ 9	10/13	10/18	10/27/1963	34	
28	9/17/1965	9/28	10/ 3	10/ 7	10/11	10/14	10/17	10/20	10/24	10/30	11/ 4/1974	34	
24	9/19/1971	10/ 9	10/14	10/18	10/21	10/24	10/27	10/30	11/ 3	11/ 8	11/12/1963	34	
20	9/29/1985	10/13	10/19	10/24	10/27	10/31	11/ 4	11/ 8	11/12	11/19	11/26/1965	33	
16	10/13/1969	10/25	10/31	11/ 3	11/ 7	11/10	11/13	11/16	11/20	11/25	12/13/1965	32	

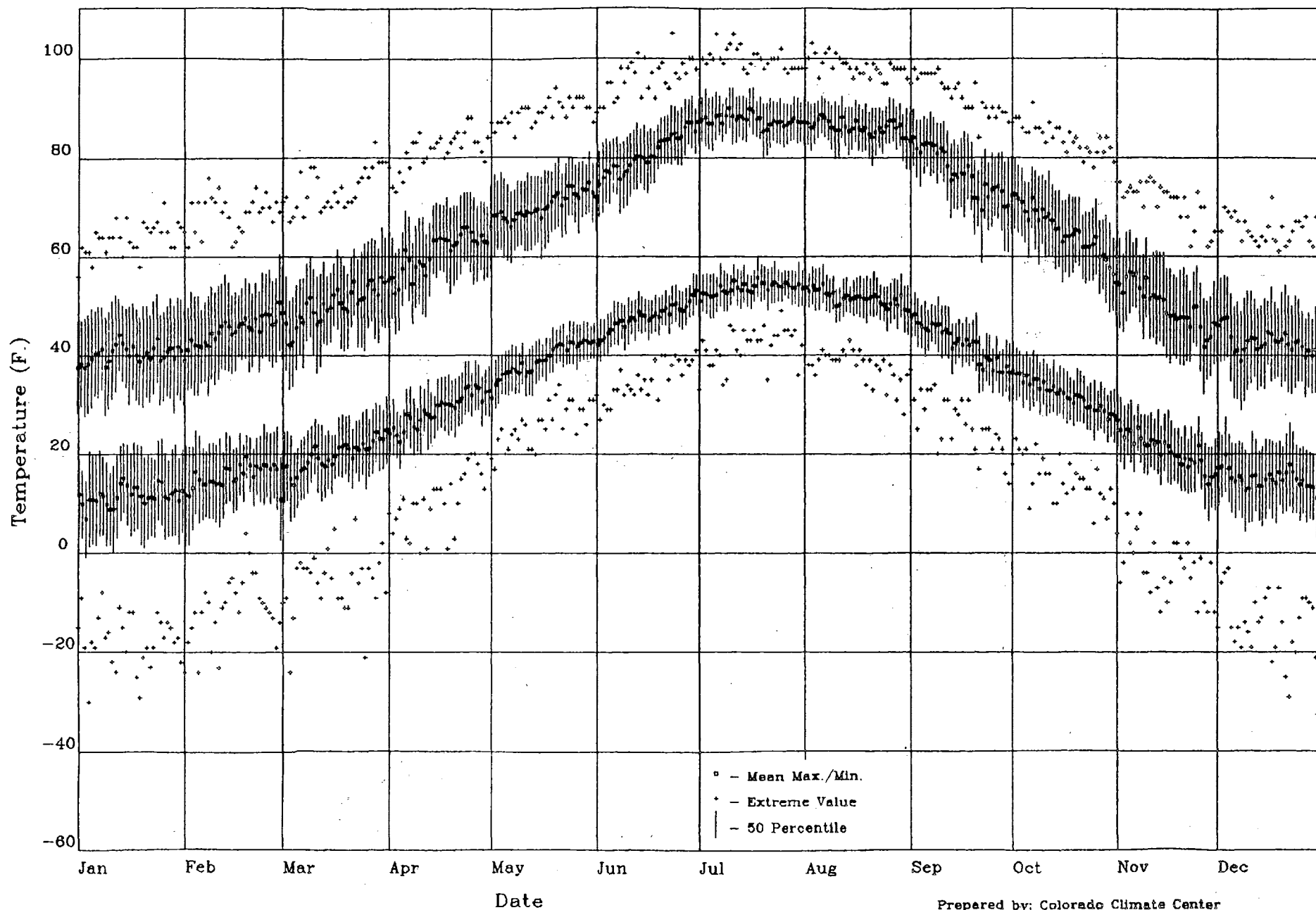
KAUFFMAN 4 SSE

Record: 39 years ending in 1987

Lat 40 51

Long 103 56

Elev 5250



Prepared by: Colorado Climate Center

Latitude: 40 51 Longitude: 103 56 Elevation: 5250

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	40.3	44.9	50.2	60.7	70.1	80.5	87.6	86.2	76.9	65.3	50.2	42.7	63.0
Std. Dev.	5.4	5.4	5.1	4.6	3.5	4.3	2.7	2.6	4.3	4.7	5.1	5.4	
Mean Min.	11.6	15.6	19.8	29.0	39.1	47.7	53.6	51.6	42.3	32.1	20.7	15.0	31.5
Std. Dev.	5.0	4.1	4.1	3.3	2.3	2.0	2.5	2.8	2.5	2.4	3.0	4.0	
Num. Yrs.	39	36	37	38	37	38	38	39	38	38	39	39	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	735	550	463	195	37	2	0	0	21	120	429	648	3201
55	889	690	612	312	95	10	0	0	47	218	574	802	4252
57	951	746	674	366	128	17	1	1	64	267	634	864	4711
60	1044	831	766	450	190	34	2	3	98	347	723	957	5445
65	1199	971	921	597	320	88	10	19	184	495	872	1111	6787

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	1	15	90	292	491	436	192	31	0	0	1550
57	0	0	1	8	62	239	430	375	149	18	0	0	1281
60	0	0	0	3	31	166	338	285	93	7	0	0	922
65	0	0	0	0	6	70	192	147	30	0	0	0	444
70	0	0	0	0	0	18	73	46	5	0	0	0	143

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	11	25	62	205	462	732	956	897	598	299	62	20	4328
45	2	7	23	110	316	582	801	743	454	178	20	5	3241
50	0	1	7	47	187	434	646	589	316	87	4	1	2320
55	0	0	1	15	90	292	491	436	192	31	0	0	1550
60	0	0	0	3	31	166	338	285	93	7	0	0	922
Corn GDD	25	40	84	184	314	458	595	565	404	247	81	33	3030

Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	55/1950	71	80	86	91	96	100	105	111	120	130/1963	33	
32	86/1964	101	107	111	115	119	122	126	130	136	146/1977	31	
28	110/1964	122	128	132	136	139	143	147	151	157	163/1977	30	
24	131/1950	138	147	154	159	165	170	175	182	191	202/1965	29	
20	143/1953	156	165	171	177	182	187	192	199	207	237/1965	28	
16	169/1969	180	187	192	197	201	205	209	215	222	247/1965	28	

Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/11/1949	5/18	5/24	5/29	6/ 1	6/ 5	6/ 9	6/13	6/17	6/24	7/ 9/1959	33	
32	4/26/1977	5/ 6	5/12	5/16	5/19	5/22	5/25	5/29	6/ 1	6/ 7	6/19/1985	31	
28	4/19/1949	4/26	4/30	5/ 3	5/ 6	5/ 9	5/11	5/14	5/17	5/21	6/ 2/1969	30	
24	4/ 4/1977	4/11	4/16	4/20	4/23	4/27	4/30	5/ 3	5/ 7	5/13	5/26/1950	29	
20	3/26/1986	4/ 3	4/ 8	4/12	4/15	4/18	4/21	4/24	4/28	5/ 3	5/14/1953	28	
16	3/19/1986	3/25	3/30	4/ 3	4/ 6	4/ 9	4/11	4/15	4/18	4/23	4/29/1950	28	

Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/21/1949	8/21	8/27	9/ 1	9/ 5	9/ 9	9/12	9/16	9/21	9/27	10/ 3/1969	33	
32	8/25/1964	9/ 5	9/ 9	9/12	9/15	9/18	9/20	9/23	9/26	10/ 1	10/11/1963	31	
28	8/30/1964	9/ 9	9/15	9/19	9/22	9/25	9/28	10/ 1	10/ 5	10/11	10/28/1963	30	
24	9/ 9/1962	9/20	9/26	10/ 1	10/ 5	10/ 8	10/12	10/15	10/20	10/26	11/ 3/1960	29	
20	9/ 9/1962	9/26	10/ 3	10/ 8	10/13	10/17	10/21	10/25	10/30	11/ 6	11/22/1965	28	
16	9/29/1984	10/ 8	10/14	10/19	10/23	10/26	10/30	11/ 3	11/ 8	11/14	11/28/1965	28	

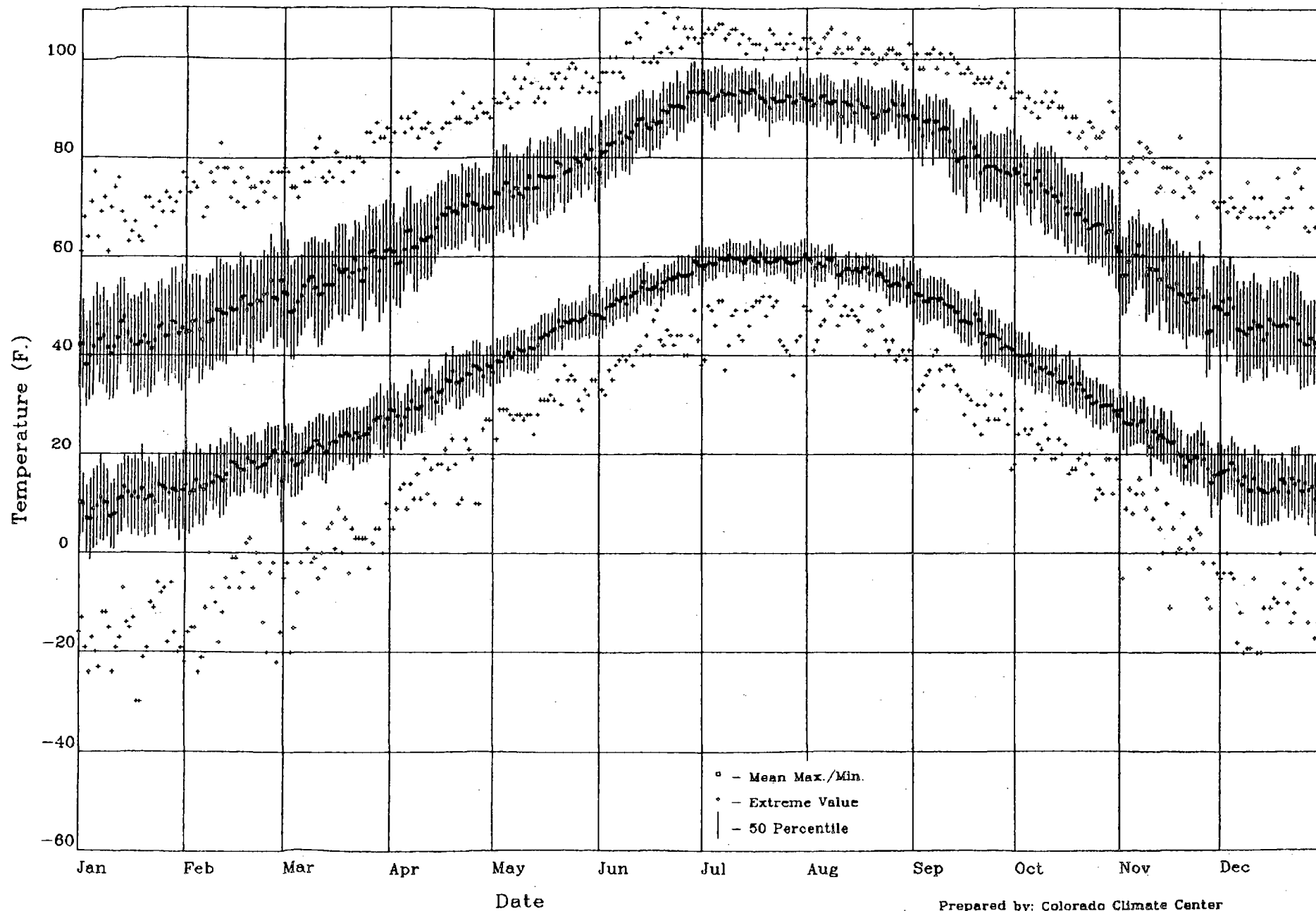
KIT CARSON 6 S

Record: 40 years ending in 1987

Lat 38 42

Long 102 46

Elev 4230



Prepared by: Colorado Climate Center

Latitude: 38 42 Longitude: 102 46 Elevation: 4230 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	43.2	48.9	55.6	66.3	75.9	86.7	92.1	90.2	81.7	70.7	54.6	45.8	67.6
Std. Dev.	5.9	6.5	6.1	4.5	3.8	4.3	2.8	2.6	3.7	4.9	4.7	5.5	
Mean Min.	10.9	16.4	22.5	33.0	43.7	53.4	59.1	56.8	47.5	34.6	22.0	13.7	34.5
Std. Dev.	3.9	3.5	3.6	2.9	2.4	2.0	2.6	2.7	3.2	2.7	2.6	3.6	
Num. Yrs.	38	38	37	38	35	34	33	35	35	38	32	38	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	698	479	342	106	14	0	0	0	8	64	347	608	2666
55	851	616	482	192	41	2	0	0	20	134	487	760	3585
57	912	672	541	235	58	4	0	1	28	171	546	820	3988
60	1004	756	630	306	95	10	0	1	45	236	634	911	4630
65	1158	895	782	441	185	29	1	5	96	370	782	1063	5808

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	4	42	195	451	625	569	311	70	1	0	2268
57	0	0	2	27	151	394	565	509	260	47	0	0	1956
60	0	0	1	12	96	311	476	418	189	21	0	0	1524
65	0	0	0	2	34	184	327	271	92	4	0	0	913
70	0	0	0	0	6	84	186	136	30	0	0	0	443

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	12	33	111	308	612	889	1074	1025	734	400	90	16	5303
45	2	10	49	192	463	742	925	873	589	267	34	3	4147
50	0	2	16	101	320	596	775	721	446	152	8	0	3138
55	0	0	4	42	195	451	625	569	311	70	1	0	2268
60	0	0	1	12	96	311	476	418	189	21	0	0	1524

Corn GDD 42 72 139 247 394 544 664 633 467 318 120 51 3690

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	104/1949	110	116	121	124	128	131	135	140	146	153/1982	18
32	127/1971	126	133	137	141	145	149	153	158	164	176/1974	17
28	141/1966	147	153	158	162	166	170	174	178	185	197/1972	17
24	155/1966	159	167	173	178	183	187	193	199	207	214/1973	16
20	179/1967	184	191	196	200	203	207	211	216	222	232/1974	15
16	196/1982	205	211	215	219	223	226	230	234	240	241/1974	14

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	4/27/1985	5/ 7	5/11	5/14	5/17	5/19	5/21	5/24	5/27	5/31	6/ 2/1949	18
32	4/22/1974	4/28	5/ 1	5/ 4	5/ 6	5/ 8	5/11	5/13	5/15	5/19	5/19/1968	17
28	4/ 8/1985	4/11	4/16	4/19	4/22	4/24	4/27	4/30	5/ 3	5/ 8	5/13/1966	17
24	3/31/1969	4/ 2	4/ 7	4/11	4/14	4/17	4/20	4/23	4/27	5/ 2	5/13/1966	16
20	3/19/1986	3/24	3/29	4/ 2	4/ 5	4/ 8	4/10	4/14	4/17	4/22	5/ 1/1967	15
16	3/ 9/1967	3/19	3/24	3/27	3/30	4/ 1	4/ 4	4/ 6	4/10	4/14	4/21/1982	14

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	9/ 3/1974	9/12	9/16	9/19	9/22	9/24	9/26	9/29	10/ 2	10/ 6	10/ 7/1982	18
32	9/17/1965	9/19	9/23	9/26	9/28	10/ 1	10/ 3	10/ 6	10/ 9	10/13	10/18/1972	17
28	9/19/1971	9/23	9/28	10/ 1	10/ 4	10/ 7	10/10	10/13	10/17	10/22	10/27/1973	17
24	9/21/1983	9/29	10/ 5	10/10	10/13	10/17	10/20	10/24	10/28	11/ 3	11/16/1973	16
20	9/30/1985	10/12	10/18	10/22	10/25	10/28	10/31	11/ 3	11/ 7	11/12	11/16/1973	15
16	10/25/1975	10/29	11/ 2	11/ 5	11/ 7	11/10	11/12	11/14	11/17	11/21	11/22/1976	14

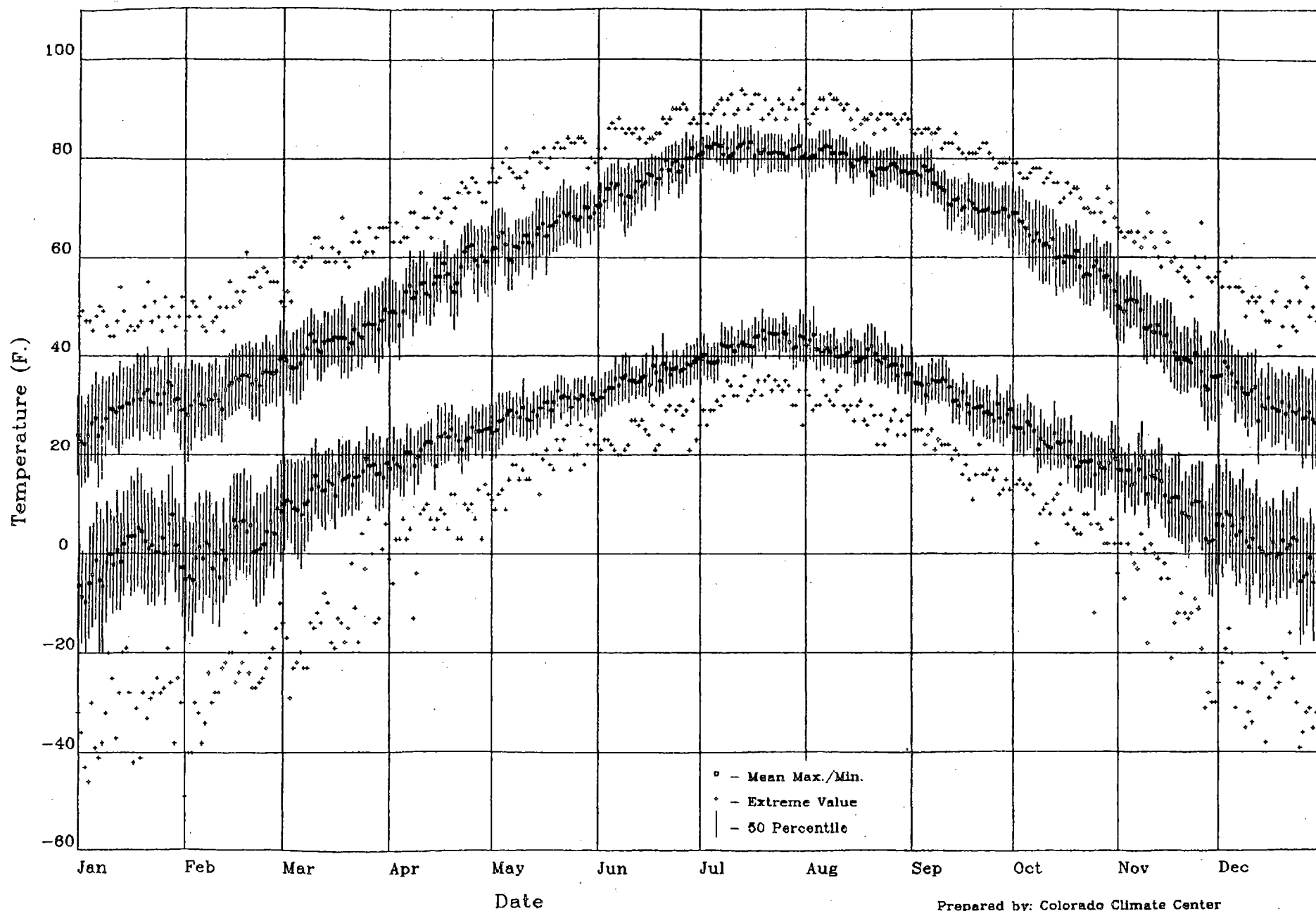
KREMMLING 1 E

Record: 28 years ending in 1987

Lat 40 4

Long 106 23

Elev 7400



Prepared by: Colorado Climate Center

Latitude: 40 4 Longitude: 106 23 Elevation: 7400

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	29.3	33.5	42.9	54.9	65.2	75.6	81.4	79.4	72.2	61.9	43.3	31.0	55.9
Std. Dev.	6.2	5.1	5.5	4.4	2.7	3.5	2.5	2.1	3.3	4.1	5.3	5.3	
Mean Min.	-0.2	1.9	13.9	21.8	29.4	35.7	42.5	40.1	31.4	21.2	11.9	1.6	20.9
Std. Dev.	7.4	6.7	5.6	2.7	2.6	2.5	2.2	3.5	2.7	3.7	4.6	5.9	
Num. Yrs.	26	25	27	24	23	23	21	24	24	21	21	27	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1037	851	630	324	107	13	0	0	36	244	630	965	4837
55	1184	984	777	464	223	48	1	6	107	382	773	1109	6060
57	1243	1037	836	521	278	75	4	17	151	439	830	1167	6598
60	1332	1117	924	605	364	133	18	48	228	525	916	1253	7465
65	1479	1251	1072	747	510	263	95	155	369	669	1058	1397	9064

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	5	75	213	154	23	1	0	0	470
57	0	0	0	0	1	44	157	105	10	0	0	0	318
60	0	0	0	0	0	16	83	48	2	0	0	0	149
65	0	0	0	0	0	2	13	6	0	0	0	0	22
70	0	0	0	0	0	0	1	0	0	0	0	0	2

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	9	62	230	458	652	592	346	103	6	1	2459
45	0	0	2	15	111	316	505	444	211	34	1	0	1640
50	0	0	0	2	35	183	359	296	94	6	0	0	974
55	0	0	0	0	5	75	213	154	23	1	0	0	470
60	0	0	0	0	0	16	83	48	2	0	0	0	149

Corn GDD	0	2	21	101	224	368	459	434	318	181	27	1	2137
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1950	0	4	11	17	23	28	34	41	51	72/1984	17
32	0/1950	22	35	45	53	61	68	76	86	99	93/1986	11
28	35/1950	61	72	79	85	91	97	104	111	121	115/1986	9
24	86/1965	79	90	99	106	113	120	127	136	148	174/1986	8
20	86/1965	99	113	124	133	142	150	160	170	185	182/1986	7
16	150/1950	141	153	162	170	177	184	191	200	212	210/1986	6

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/15/1986	6/25	6/30	7/ 3	7/ 6	7/ 9	7/12	7/15	7/19	7/24	7/19/1950	17
32	6/ 4/1987	6/ 5	6/12	6/17	6/21	6/25	6/29	7/ 4	7/ 9	7/16	7/19/1950	11
28	5/26/1986	5/28	6/ 1	6/ 4	6/ 6	6/ 9	6/11	6/14	6/16	6/20	6/26/1950	9
24	4/19/1986	5/ 8	5/16	5/22	5/27	6/ 1	6/ 5	6/10	6/16	6/24	6/16/1981	8
20	4/15/1986	4/16	4/25	5/ 1	5/ 7	5/12	5/17	5/23	5/29	6/ 7	6/ 8/1950	7
16	3/21/1986	3/23	3/31	4/ 7	4/12	4/17	4/22	4/27	5/ 4	5/12	5/11/1950	6

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1950	7/12	7/19	7/24	7/28	8/ 1	8/ 5	8/ 9	8/14	8/20	9/ 2/1982	17
32	7/19/1950	8/ 2	8/10	8/16	8/20	8/25	8/30	9/ 3	9/ 9	9/17	9/17/1981	11
28	7/31/1950	8/17	8/25	8/30	9/ 4	9/ 8	9/12	9/17	9/22	9/30	9/30/1982	9
24	9/ 1/1965	9/ 6	9/11	9/15	9/19	9/22	9/25	9/28	10/ 2	10/ 8	10/10/1986	8
20	9/ 1/1965	9/ 9	9/16	9/22	9/26	10/ 1	10/ 5	10/10	10/16	10/23	10/19/1981	7
16	9/16/1951	9/23	9/29	10/ 3	10/ 7	10/11	10/14	10/18	10/23	10/29	10/24/1980	6

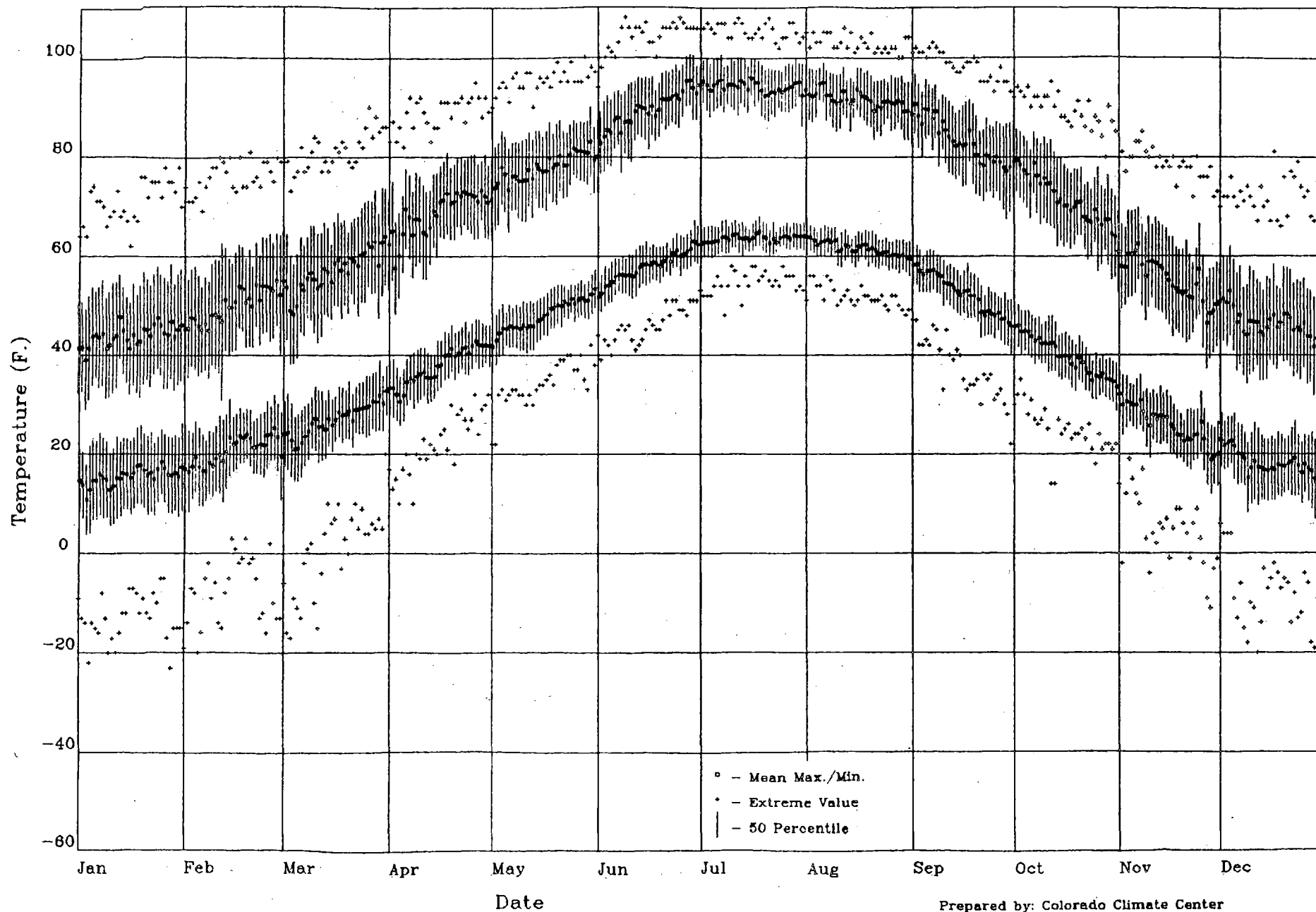
LA JUNTA FAA AP

Record: 43 years ending in 1987

Lat 38 3

Long 103 31

Elev 4200



Prepared by: Colorado Climate Center

Latitude: 38 3 Longitude: 103 31 Elevation: 4200 Period of Record: 43 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	44.0	49.8	57.0	68.5	77.7	89.2	94.2	91.7	83.3	71.7	55.4	46.5	69.1
Std. Dev.	6.6	6.5	5.7	4.6	3.3	4.0	2.8	2.9	3.8	4.3	5.1	6.0	
Mean Min.	15.5	20.8	27.0	37.8	48.0	57.8	63.6	61.5	52.4	39.8	25.8	18.1	39.0
Std. Dev.	4.7	4.0	3.8	2.8	2.4	2.6	1.8	2.1	2.4	2.8	3.2	3.8	
Num. Yrs.	42	42	42	42	42	42	41	42	42	43	43	43	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	619	416	279	71	8	0	0	0	5	44	297	545	2283
55	771	551	408	136	25	1	0	0	12	95	429	697	3124
57	832	607	464	170	37	2	0	0	18	124	486	759	3499
60	925	691	552	232	62	5	0	0	29	179	574	852	4101
65	1079	832	705	356	129	16	1	2	63	295	724	1007	5209

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	2	13	89	275	563	745	678	406	125	5	0	2901
57	0	1	7	63	225	504	683	616	351	93	2	0	2546
60	0	0	3	35	157	417	591	523	272	55	0	0	2053
65	0	0	0	9	69	279	438	370	156	16	0	0	1337
70	0	0	0	1	20	157	287	223	69	2	0	0	760

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	33	69	174	417	716	1012	1208	1143	844	501	135	41	6292
45	10	27	91	287	563	862	1053	988	695	358	65	13	5012
50	2	8	39	174	413	712	899	833	548	229	23	3	3885
55	0	2	13	89	275	563	745	678	406	125	5	0	2901
60	0	0	3	35	157	417	591	523	272	55	0	0	2053

Corn GDD	52	84	161	288	441	623	755	719	521	343	132	61	4180
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	121/1971	134	141	146	150	154	158	162	167	174	191/1963	40	
32	146/1979	153	160	165	169	173	176	180	185	192	198/1974	40	
28	171/1967	180	186	190	194	197	200	204	208	214	226/1963	40	
24	178/1966	188	196	202	207	212	216	221	227	235	251/1963	40	
20	196/1966	210	217	223	228	232	237	242	247	255	264/1949	39	
16	210/1969	225	232	237	242	246	250	254	260	267	278/1963	34	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/16/1949	4/22	4/27	4/30	5/ 3	5/ 5	5/ 8	5/10	5/14	5/18	5/29/1947	40	
32	4/ 1/1976	4/10	4/15	4/18	4/21	4/24	4/27	4/30	5/ 4	5/ 9	5/13/1953	40	
28	3/20/1963	3/29	4/ 2	4/ 5	4/ 8	4/10	4/13	4/16	4/19	4/23	5/ 2/1954	40	
24	3/15/1960	3/19	3/25	3/29	4/ 1	4/ 4	4/ 7	4/11	4/15	4/20	5/ 2/1954	40	
20	3/ 5/1985	3/ 7	3/13	3/17	3/20	3/24	3/27	3/30	4/ 4	4/ 9	4/20/1966	39	
16	3/ 4/1953	3/ 5	3/ 9	3/12	3/15	3/17	3/20	3/22	3/26	3/30	4/ 8/1957	34	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/10/1962	9/21	9/26	9/30	10/ 3	10/ 6	10/ 9	10/12	10/16	10/21	11/ 2/1950	40	
32	9/21/1965	9/29	10/ 4	10/ 8	10/11	10/14	10/17	10/20	10/24	10/29	11/ 3/1950	40	
28	9/29/1985	10/11	10/16	10/19	10/22	10/24	10/27	10/30	11/ 2	11/ 6	11/ 9/1981	40	
24	9/30/1985	10/18	10/23	10/27	10/30	11/ 2	11/ 5	11/ 8	11/12	11/17	11/23/1963	40	
20	10/12/1969	10/29	11/ 2	11/ 6	11/ 8	11/11	11/14	11/17	11/20	11/24	12/ 4/1949	39	
16	10/12/1969	11/ 3	11/ 8	11/12	11/15	11/18	11/21	11/24	11/28	12/ 3	12/ 9/1954	34	

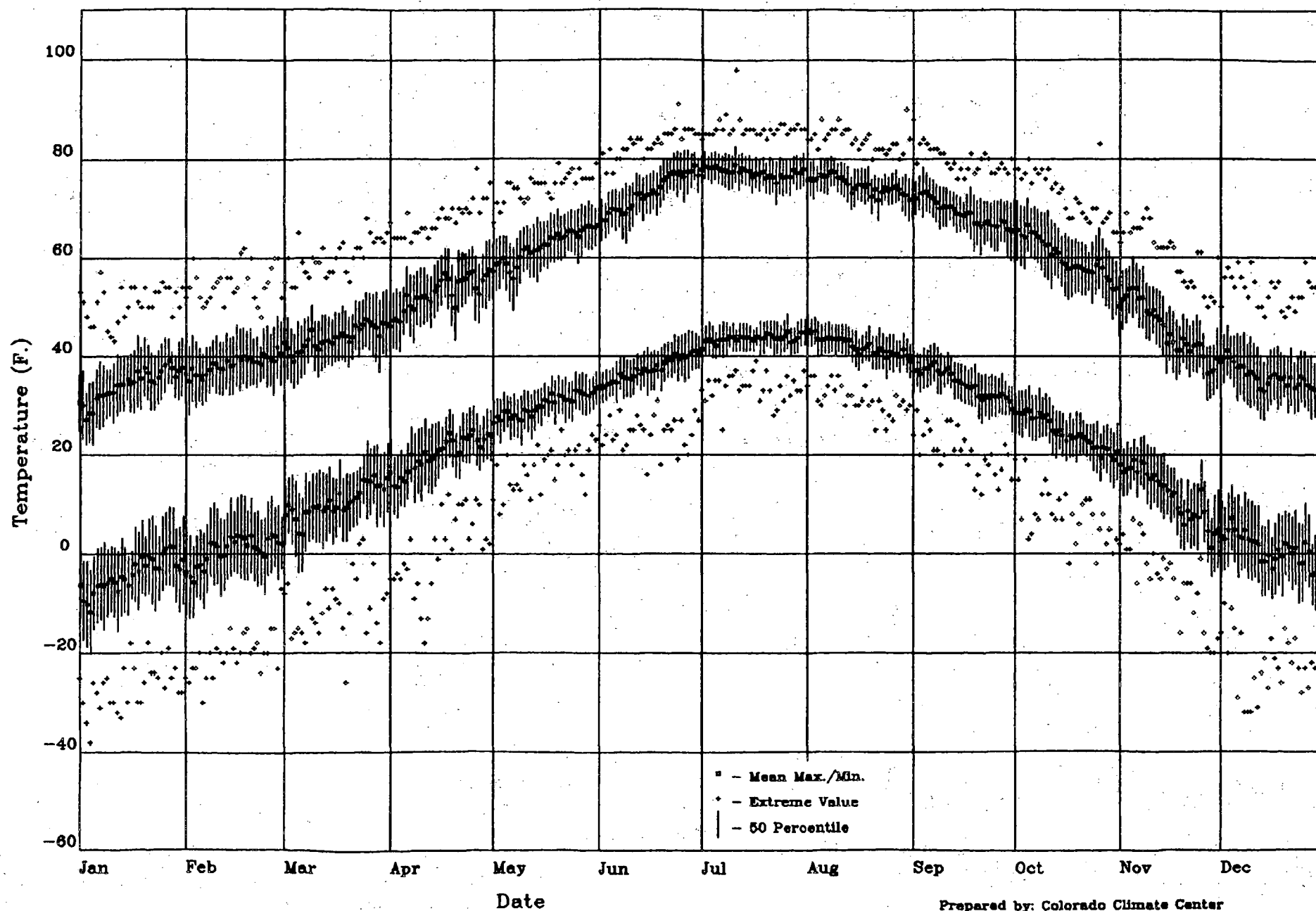
LAKE CITY

Record: 30 years ending in 1987

Lat 38 2

Long 107 19

Elev 8670



Prepared by: Colorado Climate Center

Latitude: 38 2 Longitude: 107 19 Elevation: 8670 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	34.2	38.4	43.7	52.7	62.3	73.0	77.3	74.7	69.1	60.2	45.5	35.7	55.6
Std. Dev.	3.6	4.0	3.9	3.8	3.0	3.2	1.7	1.9	3.2	4.9	3.8	4.6	
Mean Min.	-4.1	0.7	10.4	20.3	30.1	37.3	43.5	42.1	34.4	24.4	12.0	0.8	21.0
Std. Dev.	5.2	5.8	5.1	4.6	2.5	2.5	2.2	3.0	2.9	3.1	3.5	5.3	
Num. Yrs.	29	29	29	28	28	28	28	28	29	29	29	30	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1075	850	697	398	142	18	0	1	41	243	622	971	5057
55	1230	990	851	546	269	64	2	12	116	387	770	1125	6362
57	1292	1047	912	606	328	95	8	28	162	448	829	1187	6941
60	1385	1131	1005	695	420	155	33	72	242	541	918	1280	7876
65	1540	1271	1158	845	575	289	138	199	388	696	1066	1434	9600

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	4	76	176	124	26	1	0	0	407
57	0	0	0	0	1	47	121	77	12	0	0	0	258
60	0	0	0	0	0	17	53	29	3	0	0	0	101
65	0	0	0	0	0	1	5	1	0	0	0	0	7
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	4	49	217	461	636	576	361	135	8	0	2447
45	0	0	1	12	104	314	482	421	220	49	1	0	1604
50	0	0	0	1	32	180	328	267	100	12	0	0	920
55	0	0	0	0	4	76	176	124	26	1	0	0	407
60	0	0	0	0	0	17	53	29	3	0	0	0	101
Corn GDD	1	4	17	79	197	344	421	383	285	172	31	3	1936

Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	0/1974	13	23	31	37	44	50	56	64	75	83/1986	25	
32	20/1974	40	50	57	63	69	75	81	88	98	103/1984	24	
28	33/1973	58	69	76	83	89	95	101	109	119	125/1963	24	
24	65/1965	92	103	112	118	125	131	138	146	157	160/1969	21	
20	76/1973	109	121	129	136	143	150	157	166	177	177/1987	21	
16	123/1971	147	156	163	169	174	179	185	192	201	219/1987	20	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	6/12/1986	6/17	6/22	6/25	6/28	6/30	7/ 3	7/ 6	7/ 9	7/14	7/19/1974	25	
32	6/ 2/1959	6/ 7	6/12	6/15	6/18	6/21	6/24	6/27	7/ 1	7/ 6	7/18/1987	24	
28	5/24/1971	5/27	6/ 2	6/ 6	6/10	6/13	6/16	6/20	6/24	6/30	7/ 7/1974	24	
24	4/27/1966	5/ 2	5/ 9	5/14	5/18	5/22	5/26	5/31	6/ 5	6/12	6/28/1965	21	
20	4/22/1987	4/20	4/28	5/ 3	5/ 8	5/12	5/16	5/21	5/26	6/ 2	6/27/1965	21	
16	4/ 2/1985	4/12	4/18	4/22	4/26	4/29	5/ 3	5/ 6	5/11	5/17	5/28/1965	20	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/19/1974	7/20	7/28	8/ 3	8/ 8	8/13	8/18	8/23	8/29	9/ 6	9/20/1983	25	
32	7/22/1973	8/ 5	8/13	8/19	8/24	8/29	9/ 3	9/ 8	9/14	9/23	9/22/1984	24	
28	7/22/1973	8/19	8/26	9/ 1	9/ 5	9/10	9/14	9/19	9/24	10/ 1	10/13/1963	24	
24	9/ 1/1965	9/ 8	9/13	9/18	9/21	9/24	9/27	10/ 1	10/ 5	10/11	10/17/1979	21	
20	9/ 3/1973	9/15	9/21	9/25	9/29	10/ 2	10/ 5	10/ 9	10/13	10/19	10/22/1979	21	
16	9/19/1971	10/ 2	10/ 8	10/13	10/17	10/20	10/24	10/28	11/ 1	11/ 8	11/12/1987	20	

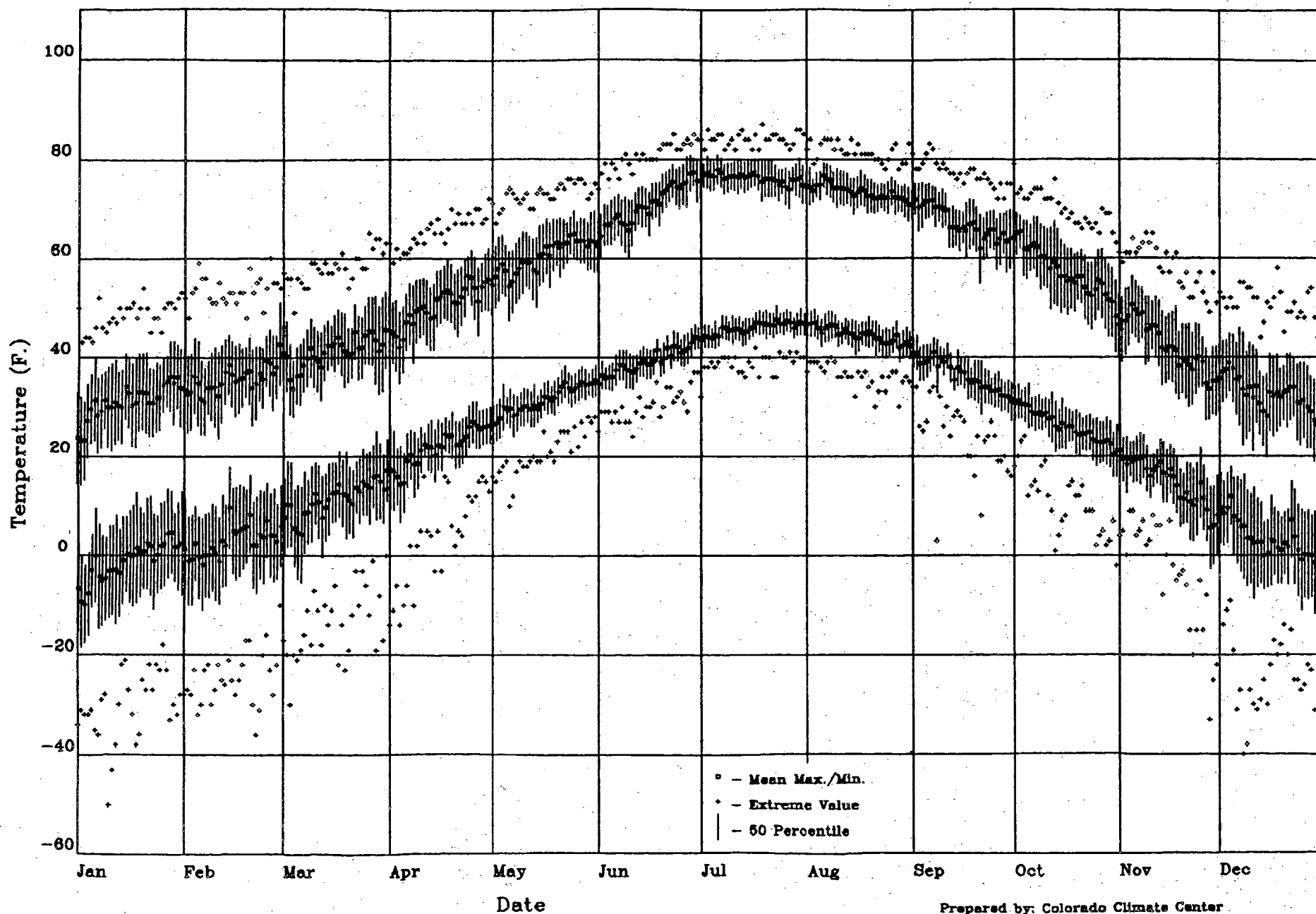
LAKE GEORGE 8 SW

Record: 28 years ending in 1987

Lat 38 55

Long 105 29

Elev 8520



Prepared by: Colorado Climate Center

Latitude: 38 55 Longitude: 105 29 Elevation: 8520 Period of Records: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	31.0	35.4	41.2	50.4	60.4	70.7	76.2	73.4	67.1	57.4	42.4	32.5	53.2
Std. Dev.	5.0	4.5	4.9	4.1	3.5	2.8	1.7	1.7	2.4	5.2	4.7	5.7	
Mean Min.	-1.2	2.9	11.5	21.9	31.6	39.3	45.9	44.6	36.3	26.1	14.9	3.0	23.1
Std. Dev.	6.1	6.3	5.6	3.5	1.7	1.6	1.4	2.3	2.2	2.6	3.7	5.6	
Num. Yrs.	26	27	27	27	26	27	27	27	27	28	28	27	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1076	863	726	410	144	17	0	0	42	255	630	990	5152
55	1230	1004	881	559	274	60	2	7	115	403	779	1145	6459
57	1292	1060	943	619	334	91	6	18	162	465	839	1207	7035
60	1385	1145	1036	709	426	155	23	55	244	558	929	1300	7963
65	1539	1286	1191	859	581	293	119	179	392	713	1078	1455	9686

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	3	67	197	139	23	0	0	0	429
57	0	0	0	0	1	39	139	88	10	0	0	0	276
60	0	0	0	0	0	12	63	32	2	0	0	0	108
65	0	0	0	0	0	0	4	1	0	0	0	0	6
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	5	46	217	458	660	597	364	129	6	0	2482
45	0	0	1	10	101	311	505	442	223	43	0	0	1637
50	0	0	0	1	28	174	350	287	100	7	0	0	947
55	0	0	0	0	3	67	197	139	23	0	0	0	429
60	0	0	0	0	0	12	63	32	2	0	0	0	108

Corn GDD	0	3	15	64	175	311	409	366	260	143	20	1	1765
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	30/1973	48	55	61	65	70	74	79	84	92	97/1963	27	
32	59/1964	72	79	84	88	92	96	101	106	113	120/1972	27	
28	76/1973	97	105	111	116	121	126	131	137	146	156/1963	27	
24	112/1965	123	131	136	141	145	150	155	160	168	174/1972	27	
20	122/1971	136	144	150	155	160	165	170	176	184	200/1981	26	
16	130/1962	158	166	172	177	182	187	192	198	206	209/1987	26	

Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	6/ 9/1961	6/10	6/14	6/17	6/20	6/22	6/24	6/27	6/30	7/ 4	7/18/1987	27	
32	5/25/1972	6/ 1	6/ 5	6/ 8	6/11	6/13	6/16	6/18	6/21	6/26	7/ 1/1968	27	
28	5/ 8/1969	5/12	5/16	5/20	5/23	5/26	5/28	5/31	6/ 4	6/ 8	6/19/1973	27	
24	4/22/1974	4/27	5/ 2	5/ 6	5/ 9	5/11	5/14	5/17	5/21	5/25	6/11/1975	27	
20	4/ 5/1981	4/17	4/22	4/26	4/29	5/ 1	5/ 4	5/ 7	5/11	5/16	5/19/1971	26	
16	3/27/1969	4/ 4	4/ 9	4/13	4/16	4/19	4/22	4/25	4/28	5/ 3	5/ 7/1978	26	

Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/22/1973	8/13	8/19	8/23	8/27	8/31	9/ 3	9/ 7	9/12	9/18	9/27/1963	27	
32	8/15/1978	8/31	9/ 5	9/ 8	9/11	9/14	9/16	9/19	9/23	9/27	10/ 5/1963	27	
28	9/ 3/1961	9/ 8	9/13	9/17	9/21	9/24	9/27	9/30	10/ 4	10/ 9	10/21/1972	27	
24	9/ 8/1962	9/17	9/23	9/27	9/30	10/ 4	10/ 7	10/11	10/15	10/21	11/ 1/1963	27	
20	9/ 8/1962	9/20	9/27	10/ 1	10/ 5	10/ 8	10/12	10/16	10/20	10/26	11/ 1/1963	26	
16	9/ 8/1962	9/28	10/ 5	10/10	10/14	10/18	10/22	10/26	10/31	11/ 7	11/ 9/1983	26	

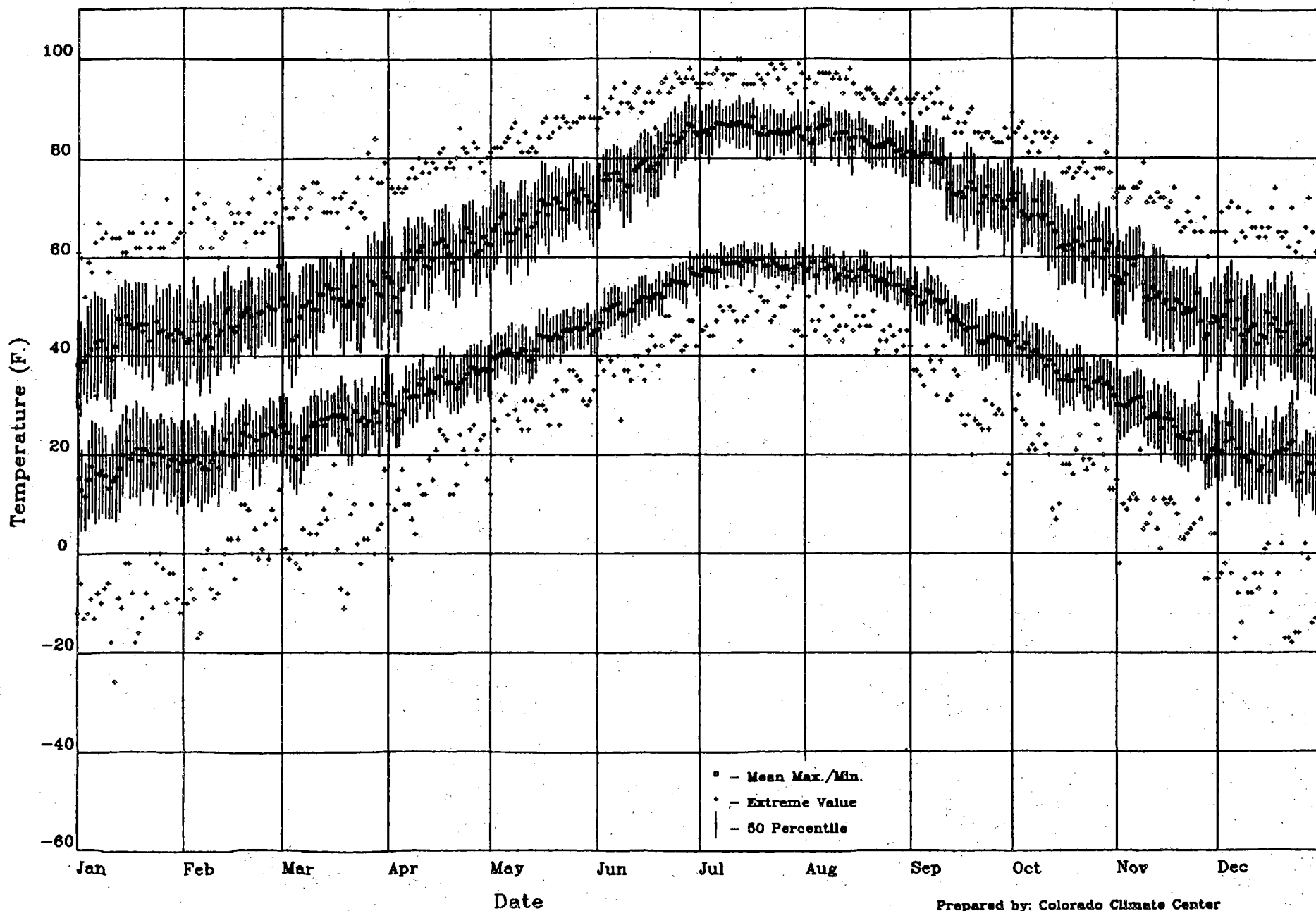
LAKEWOOD

Record: 28 years ending in 1987

Lat 39 45

Long 105 8

Elev 5640



Prepared by: Colorado Climate Center

Latitude: 39 45 Longitude: 105 8 Elevation: 5640 Period of Record: 26 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	43.4	46.5	51.2	60.0	68.7	79.0	86.0	83.7	75.3	65.0	51.8	44.8	63.0
Std. Dev.	5.2	4.1	5.1	4.4	4.1	3.9	2.3	2.2	3.4	4.7	4.2	4.9	
Mean Min.	17.7	21.3	26.1	33.8	42.6	51.8	58.3	56.2	47.4	37.3	26.4	19.6	36.6
Std. Dev.	4.7	3.4	4.2	3.3	2.6	2.4	1.7	1.9	3.1	3.5	3.0	4.3	
Num. Yrs.	25	25	25	24	25	25	25	26	26	26	26	25	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	583	438	356	154	40	3	0	0	18	96	335	535	2558
55	733	573	495	260	89	11	1	0	38	173	470	684	3527
57	794	627	553	310	118	17	1	1	51	214	527	744	3958
60	885	710	643	389	171	32	2	3	78	285	616	834	4647
65	1037	847	794	533	288	80	8	14	148	422	764	985	5921

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	5	27	117	329	530	468	235	62	4	0	1777
57	0	0	3	17	85	275	469	407	188	42	2	0	1487
60	0	0	1	6	46	201	379	316	125	20	1	0	1096
65	0	0	0	1	12	99	232	175	47	3	0	0	569
70	0	0	0	0	2	35	104	65	10	0	0	0	216

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	35	48	112	253	490	765	986	928	647	373	115	45	4796
45	10	17	51	145	348	616	834	774	503	245	53	16	3612
50	1	3	18	69	221	470	681	621	364	138	18	3	2607
55	0	0	5	27	117	329	530	468	235	62	4	0	1777
60	0	0	1	6	46	201	379	316	125	20	1	0	1096

Corn GDD	34	44	89	173	299	470	638	597	404	247	90	43	3129
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	103/1970	106	112	116	119	122	126	129	133	139	139/1984	13	
32	121/1967	123	129	134	138	142	145	149	154	160	171/1987	12	
28	125/1983	134	141	146	151	155	160	164	169	177	175/1986	11	
24	172/1984	167	177	185	191	197	203	209	216	226	246/1965	11	
20	178/1966	174	185	193	200	206	212	219	227	238	262/1965	10	
16	187/1967	192	202	209	215	221	227	233	241	251	263/1965	10	

Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/ 9/1978	5/12	5/16	5/19	5/21	5/24	5/26	5/28	5/31	6/ 4	6/ 6/1983	13	
32	4/22/1987	4/27	5/ 1	5/ 4	5/ 7	5/ 9	5/12	5/14	5/17	5/21	5/21/1977	12	
28	4/ 9/1985	4/17	4/23	4/27	4/30	5/ 4	5/ 7	5/10	5/14	5/20	5/21/1977	11	
24	3/20/1986	3/24	3/30	4/ 4	4/ 7	4/11	4/14	4/18	4/22	4/28	4/30/1967	11	
20	3/26/1965	3/27	4/ 1	4/ 4	4/ 7	4/10	4/13	4/16	4/20	4/25	4/30/1967	10	
16	3/ 4/1979	3/ 4	3/13	3/19	3/25	3/30	4/ 5	4/10	4/17	4/26	4/30/1967	10	

Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/12/1970	9/14	9/17	9/19	9/21	9/23	9/25	9/27	9/29	10/ 2	10/ 4/1979	13	
32	9/13/1967	9/16	9/20	9/23	9/25	9/28	9/30	10/ 3	10/ 6	10/10	10/10/1987	12	
28	9/16/1965	9/21	9/26	9/30	10/ 3	10/ 6	10/ 9	10/12	10/16	10/21	10/22/1979	11	
24	9/29/1985	10/ 2	10/10	10/15	10/20	10/25	10/29	11/ 3	11/ 9	11/16	11/27/1965	11	
20	9/29/1985	10/ 7	10/16	10/22	10/28	11/ 2	11/ 7	11/13	11/19	11/28	12/13/1965	10	
16	9/29/1985	10/12	10/21	10/27	11/ 1	11/ 7	11/12	11/17	11/24	12/ 3	12/14/1965	10	

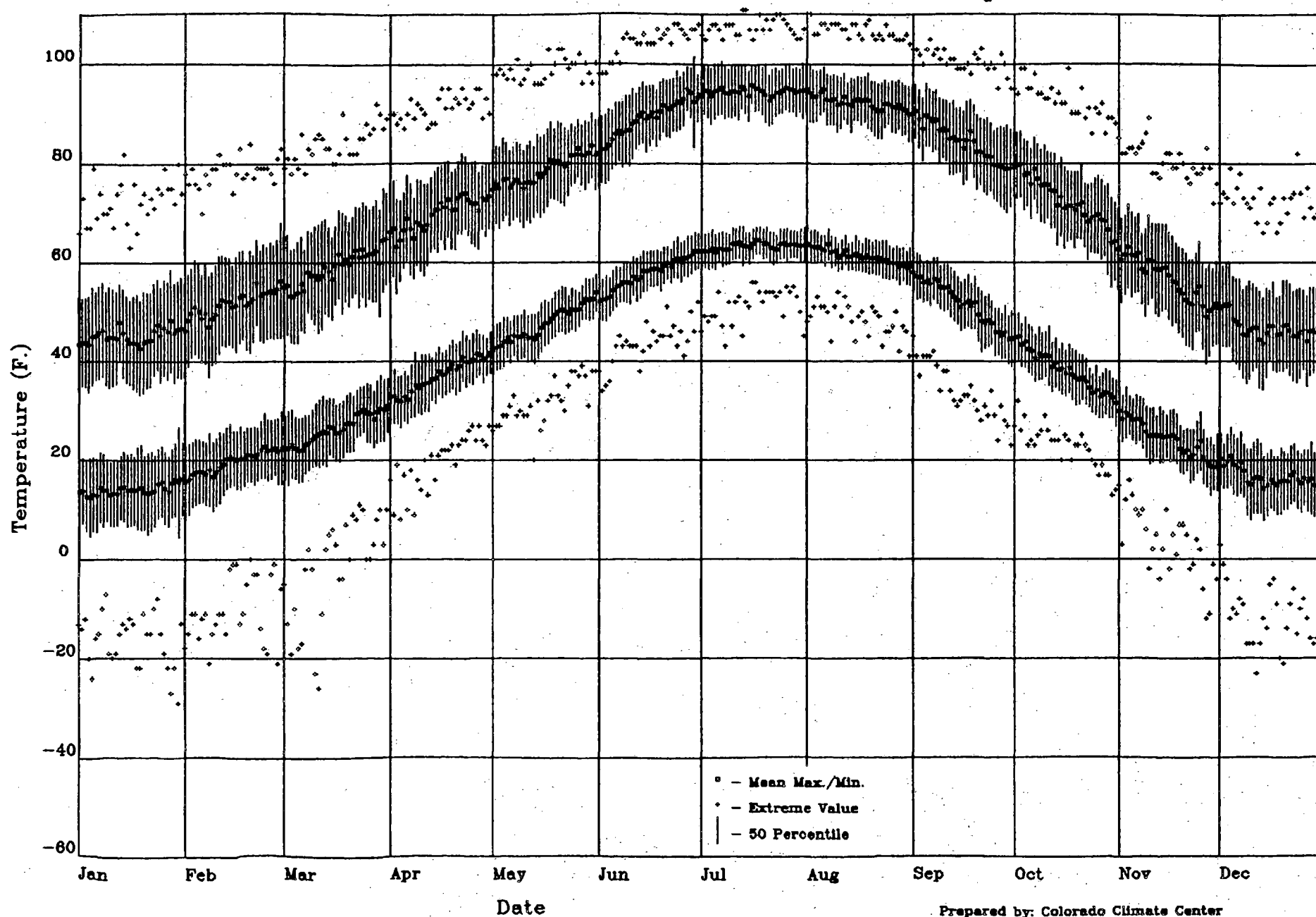
LAMAR

Record: 70 years ending in 1987

Lat 38 5

Long 102 37

Elev 3620



Latitude: 38 5 Longitude: 102 37 Elevation: 3620 Period of Record: 71 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	45.2	51.5	58.9	69.7	78.5	89.0	94.5	92.4	84.5	72.7	56.4	46.7	70.0
Std. Dev.	6.8	6.5	6.3	4.5	3.9	3.9	3.1	3.5	4.1	4.8	5.3	5.5	
Mean Min.	14.2	19.6	26.4	37.1	47.6	57.7	63.2	61.3	51.6	38.0	24.2	16.6	38.1
Std. Dev.	4.7	4.2	4.2	2.7	2.7	2.5	2.2	2.3	3.2	2.8	2.4	3.8	
Num. Yrs.	68	68	68	70	70	70	70	69	69	66	67	69	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	620	405	260	64	7	0	0	0	4	40	298	562	2259
55	773	541	387	127	23	1	0	0	10	92	435	716	3105
57	835	597	443	162	35	2	0	0	15	124	493	778	3483
60	927	681	531	224	60	5	0	0	26	182	582	871	4088
65	1081	821	682	349	128	16	1	2	60	304	731	1026	5200

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	1	1	13	86	280	559	745	683	405	110	3	0	2885
57	1	0	8	61	229	500	683	621	350	80	1	0	2534
60	0	0	3	33	162	412	591	528	271	45	0	0	2047
65	0	0	1	9	75	273	437	375	156	12	0	0	1339
70	0	0	0	1	24	153	286	228	72	2	0	0	766

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	21	61	181	418	722	1008	1209	1147	842	486	121	26	6239
45	5	22	96	286	568	858	1054	992	694	341	52	6	4974
50	1	6	40	172	419	708	900	837	547	212	15	1	3858
55	1	1	13	86	280	559	745	683	405	110	3	0	2885
60	0	0	3	33	162	412	591	528	271	45	0	0	2047

Corn GDD 52 92 179 301 449 622 751 716 525 353 142 57 4239

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	106/1951	126	133	138	142	146	150	154	159	165	178/1963	56
32	109/1947	138	145	151	155	160	164	169	174	182	193/1957	56
28	136/1924	162	170	175	180	184	188	193	198	206	228/1978	56
24	160/1932	183	190	195	200	204	209	213	219	226	244/1981	53
20	195/1966	203	210	215	219	224	228	232	237	244	259/1978	52
16	209/1959	218	226	231	236	240	244	249	254	262	273/1978	45

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	4/19/1980	4/26	4/30	5/ 3	5/ 6	5/ 8	5/11	5/14	5/17	5/21	6/ 4/1919	56
32	4/ 6/1985	4/16	4/21	4/25	4/28	4/30	5/ 3	5/ 6	5/ 9	5/14	5/29/1947	56
28	3/24/1978	4/ 2	4/ 7	4/11	4/14	4/17	4/20	4/23	4/27	5/ 2	5/16/1923	56
24	3/10/1981	3/23	3/28	4/ 1	4/ 4	4/ 7	4/ 9	4/12	4/16	4/21	4/29/1925	53
20	3/ 4/1978	3/14	3/19	3/22	3/25	3/28	3/31	4/ 3	4/ 7	4/12	4/20/1966	52
16	3/ 2/1942	3/ 5	3/10	3/14	3/18	3/21	3/24	3/27	3/31	4/ 5	4/14/1928	45

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/ 9/1941	9/17	9/22	9/25	9/28	10/ 1	10/ 4	10/ 7	10/11	10/16	10/25/1918	56
32	9/13/1945	9/23	9/28	10/ 1	10/ 4	10/ 7	10/10	10/13	10/17	10/21	11/ 1/1963	56
28	9/21/1983	10/ 4	10/ 8	10/12	10/15	10/18	10/21	10/24	10/27	11/ 1	11/ 7/1978	56
24	9/26/1942	10/13	10/18	10/22	10/25	10/28	10/31	11/ 3	11/ 7	11/12	11/19/1953	53
20	10/15/1952	10/27	10/31	11/ 2	11/ 5	11/ 7	11/ 9	11/11	11/14	11/18	11/22/1964	52
16	10/30/1925	11/ 3	11/ 7	11/11	11/13	11/16	11/18	11/21	11/24	11/28	12/13/1970	45

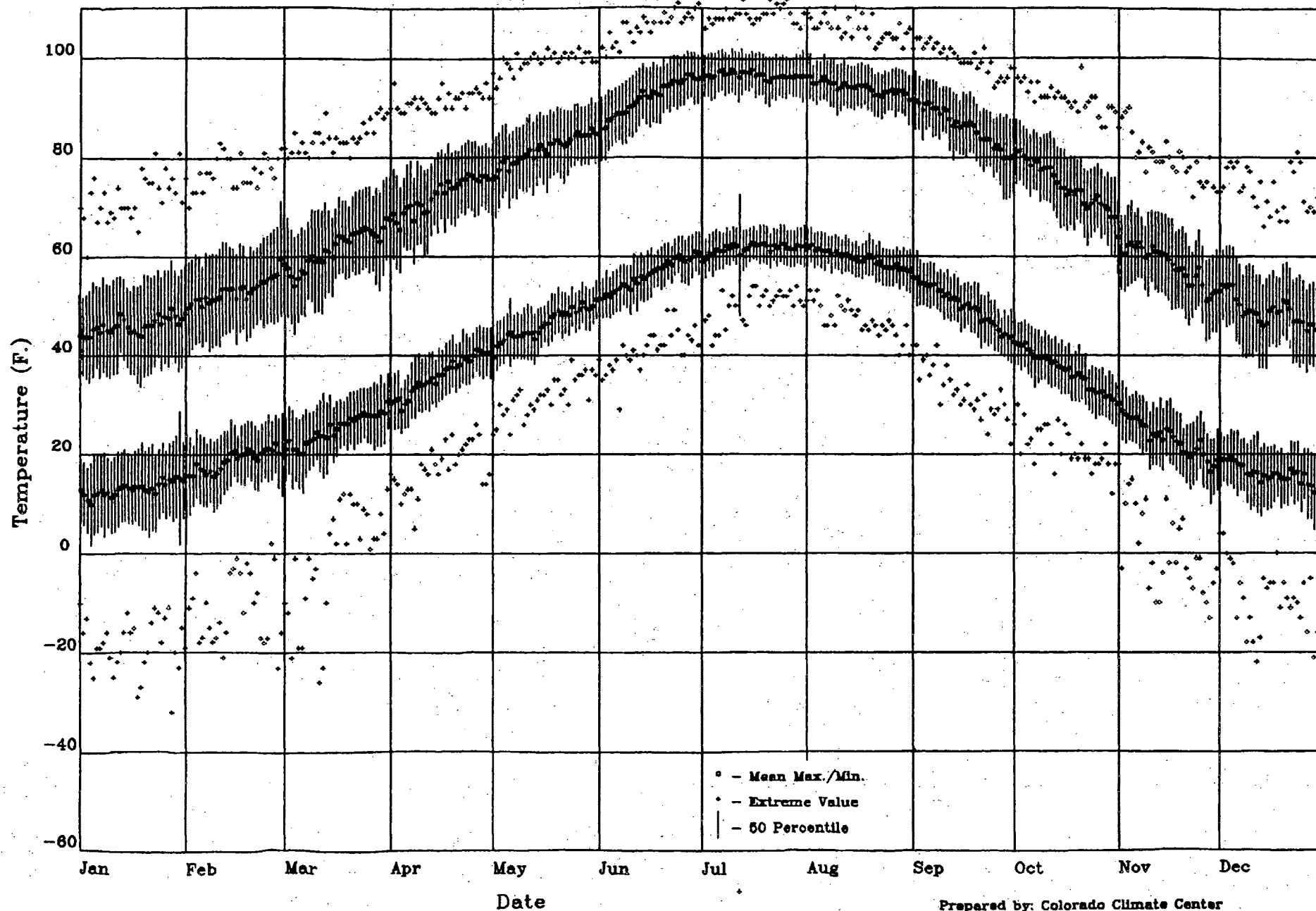
LAS ANIMAS

Record: 58 years ending in 1987

Lat 38 4

Long 103 13

Elev 3890



Prepared by: Colorado Climate Center

Latitude: 38 4 Longitude: 103 13 Elevation: 3890

Period of Record: 58 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	45.9	52.7	61.4	72.2	81.4	91.8	96.7	94.1	86.4	74.6	58.3	48.7	72.0
Std. Dev.	6.3	6.7	6.0	5.6	4.4	4.3	3.2	3.2	4.0	5.4	5.4	4.8	
Mean Min.	13.0	18.8	24.9	36.0	46.3	56.3	61.6	59.5	50.0	36.9	23.3	15.9	36.9
Std. Dev.	5.3	3.9	4.6	3.7	3.0	3.7	3.7	3.4	3.2	3.4	4.5	3.9	
Num. Yrs.	54	54	55	56	56	55	57	57	55	54	54	55	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	630	398	239	55	5	0	1	0	3	34	282	541	2187
55	784	535	365	113	17	0	1	0	7	81	420	695	3019
57	846	590	422	145	26	1	1	0	11	111	479	757	3388
60	938	674	510	204	47	3	1	0	19	166	567	850	3980
65	1093	815	662	327	108	11	1	1	47	289	717	1004	5075

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	1	0	10	93	297	575	749	679	408	113	3	0	2929
57	1	0	5	66	245	516	688	617	352	80	2	0	2571
60	1	0	2	35	173	429	596	525	271	43	0	0	2073
65	0	0	0	9	78	288	443	372	149	11	0	0	1351
70	0	0	0	1	24	165	291	224	61	2	0	0	768

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	23	56	185	436	744	1023	1208	1141	850	498	124	28	6315
45	6	18	94	302	591	873	1055	987	701	352	53	7	5039
50	1	4	37	184	440	724	902	833	554	220	15	1	3914
55	1	0	10	93	297	575	749	679	408	113	3	0	2929
60	1	0	2	35	173	429	596	525	271	43	0	0	2073

Corn GDD 53 97 204 333 476 616 728 694 532 380 155 66 4335

Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	105/1974	114	122	128	133	138	143	148	154	162	189/1934	44	
32	109/1947	129	139	146	152	157	163	169	175	185	243/1934	43	
28	154/1948	159	168	174	179	184	189	195	201	210	265/1934	42	
24	154/1948	175	182	187	192	196	200	204	209	216	220/1962	40	
20	156/1932	193	201	206	211	215	220	224	230	238	246/1960	40	
16	192/1932	213	220	225	230	234	238	243	248	255	270/1979	35	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	3/23/1934	4/24	4/30	5/ 4	5/ 8	5/12	5/15	5/19	5/24	5/30	6/ 7/1976	44	
32	3/23/1934	4/17	4/22	4/26	4/29	5/ 2	5/ 6	5/ 9	5/13	5/18	6/ 7/1976	43	
28	3/ 8/1934	4/ 1	4/ 6	4/10	4/13	4/16	4/19	4/22	4/26	5/ 1	5/ 6/1948	42	
24	3/25/1943	3/29	4/ 3	4/ 6	4/ 9	4/12	4/14	4/17	4/20	4/25	5/ 6/1948	40	
20	3/ 8/1967	3/18	3/23	3/27	3/30	4/ 2	4/ 5	4/ 8	4/11	4/16	4/30/1932	40	
16	3/ 4/1953	3/ 7	3/13	3/17	3/21	3/24	3/27	3/31	4/ 4	4/10	4/30/1932	35	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 3/1974	9/13	9/18	9/21	9/24	9/27	9/30	10/ 2	10/ 6	10/10	10/16/1956	44	
32	9/ 9/1941	9/19	9/25	9/29	10/ 3	10/ 6	10/10	10/14	10/18	10/24	11/21/1934	43	
28	9/21/1983	10/ 1	10/ 7	10/11	10/14	10/17	10/21	10/24	10/28	11/ 3	11/28/1934	42	
24	9/23/1946	10/10	10/15	10/18	10/21	10/24	10/27	10/30	11/ 3	11/ 8	11/ 9/1944	40	
20	10/ 3/1932	10/20	10/25	10/29	11/ 1	11/ 3	11/ 6	11/ 9	11/12	11/17	11/20/1953	40	
16	10/13/1969	11/ 1	11/ 5	11/ 8	11/10	11/13	11/15	11/18	11/21	11/25	11/29/1979	35	

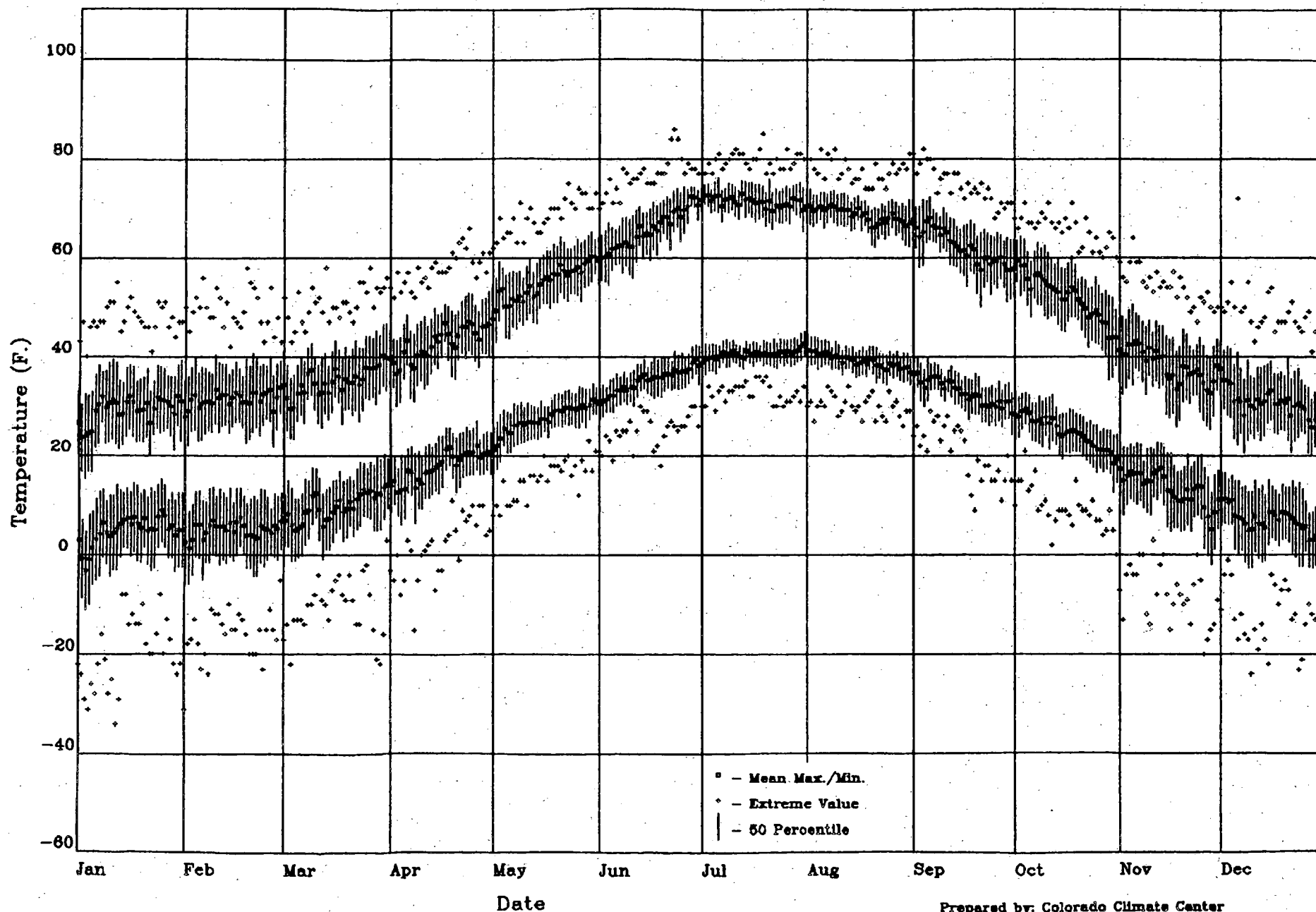
LEADVILLE

Record: 29 years ending in 1982

Lat 39 14

Long 106 18

Elev 10050



Prepared by: Colorado Climate Center

Latitude: 39 14 Longitude: 106 18 Elevation: 10050

Period of Record: 31 years ending in 1982

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	29.3	31.4	35.1	42.7	54.8	65.3	71.2	68.7	62.3	52.2	38.3	30.7	48.5
Std. Dev.	3.1	3.8	3.4	3.4	3.2	3.2	2.0	2.2	3.7	4.2	4.3	3.4	
Mean Min.	5.0	5.0	9.8	17.9	27.5	35.1	40.5	39.1	32.9	24.9	13.6	6.9	21.5
Std. Dev.	4.2	4.9	3.1	3.2	2.3	2.7	2.2	2.5	2.7	2.8	4.7	3.9	
Num. Yrs.	27	28	27	28	28	25	25	29	26	27	26	26	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1005	880	836	580	268	62	2	8	104	345	710	948	5747
55	1159	1019	989	729	417	147	26	57	221	498	859	1101	7220
57	1220	1075	1050	788	478	196	54	99	276	559	919	1162	7876
60	1313	1158	1142	878	570	277	121	180	364	651	1008	1254	8916
65	1467	1297	1295	1027	723	420	266	331	513	805	1158	1407	10710

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	17	59	32	7	0	0	0	114
57	0	0	0	0	0	7	28	12	3	0	0	0	50
60	0	0	0	0	0	1	5	1	1	0	0	0	8
65	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	0	9	109	308	483	434	251	74	1	0	1669
45	0	0	0	0	33	178	333	281	125	17	0	0	969
50	0	0	0	0	4	76	185	136	40	1	0	0	442
55	0	0	0	0	0	17	59	32	7	0	0	0	114
60	0	0	0	0	0	1	5	1	1	0	0	0	8

Corn GDD	0	1	1	15	102	224	318	286	193	83	6	1	1229
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1950	0	8	15	21	27	33	39	46	56	69/1957	21
32	21/1972	29	39	46	52	58	64	70	77	86	95/1956	17
28	55/1968	61	70	77	83	88	94	99	106	116	130/1956	12
24	96/1965	99	108	115	121	126	131	137	144	153	152/1956	9
20	115/1965	120	127	132	137	141	145	150	155	162	160/1964	9
16	116/1971	125	135	141	147	153	158	164	171	180	183/1956	8

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/15/1954	6/24	6/29	7/ 2	7/ 5	7/ 7	7/10	7/12	7/16	7/20	7/19/1950	21
32	5/28/1956	6/ 9	6/14	6/18	6/21	6/24	6/26	6/29	7/ 3	7/ 8	7/16/1972	17
28	5/16/1956	5/25	5/31	6/ 4	6/ 8	6/12	6/15	6/19	6/23	6/30	6/30/1968	12
24	5/ 8/1969	5/ 9	5/13	5/16	5/18	5/20	5/22	5/25	5/27	5/31	6/ 1/1970	9
20	5/ 8/1969	5/10	5/12	5/14	5/16	5/18	5/19	5/21	5/23	5/26	5/28/1965	9
16	4/20/1956	4/25	4/29	5/ 3	5/ 6	5/ 9	5/12	5/15	5/18	5/23	5/24/1971	8

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1950	7/15	7/22	7/26	7/30	8/ 3	8/ 7	8/11	8/16	8/23	9/ 1/1957	21
32	7/22/1973	7/31	8/ 7	8/12	8/16	8/20	8/24	8/29	9/ 3	9/10	9/11/1951	17
28	8/21/1964	8/24	8/29	9/ 2	9/ 5	9/ 8	9/11	9/14	9/18	9/23	9/23/1956	12
24	9/ 1/1965	9/ 4	9/11	9/15	9/19	9/23	9/27	10/ 1	10/ 6	10/13	10/14/1956	9
20	9/17/1971	9/19	9/25	9/29	10/ 2	10/ 6	10/ 9	10/13	10/17	10/23	10/23/1972	9
16	9/17/1971	9/20	9/27	10/ 1	10/ 5	10/ 8	10/12	10/16	10/20	10/26	10/24/1967	8

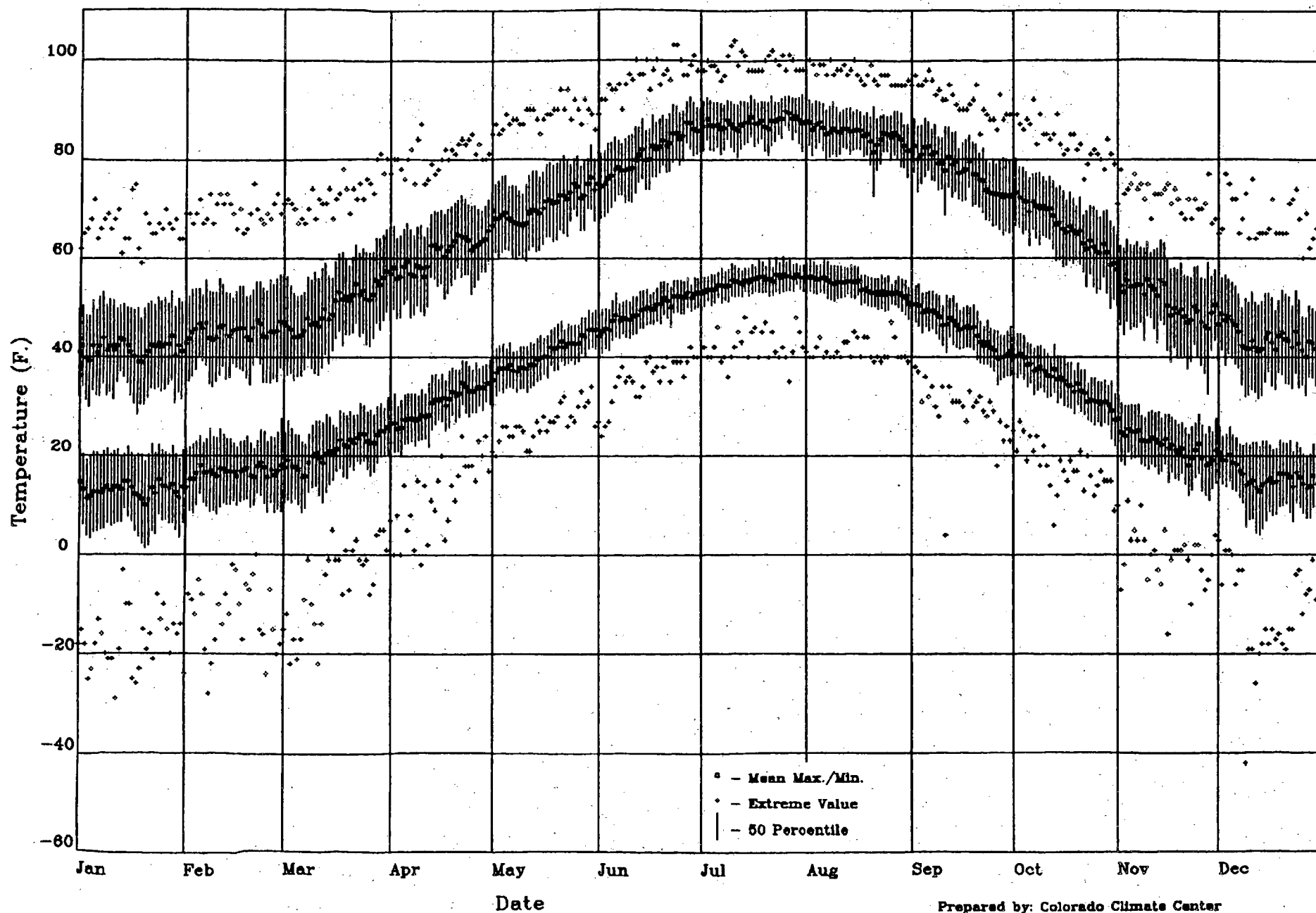
LIMON 10 SSW

Record: 51 years ending in 1971

Lat 39 9

Long 103 46

Elev 5580



Prepared by: Colorado Climate Center

Latitude: 39 9 Longitude: 103 46 Elevation: 5560 Period of Record: 54 years ending in 1971

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	41.6	45.2	50.0	60.7	70.6	81.1	87.4	85.2	77.6	66.6	51.5	43.6	63.4
Std. Dev.	5.6	5.8	5.6	4.7	4.2	4.4	2.8	3.0	3.3	4.8	5.5	4.9	
Mean Min.	13.0	16.7	21.1	30.5	40.5	49.5	55.3	54.2	45.6	34.8	22.2	15.8	33.3
Std. Dev.	5.4	4.7	3.9	2.9	2.8	2.3	2.5	2.5	3.0	3.0	3.0	4.2	
Num. Yrs.	49	48	49	50	51	51	48	50	50	49	50	50	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	685	530	437	173	37	2	0	0	11	91	388	610	2965
55	838	669	585	284	87	8	0	1	27	172	532	761	3964
57	899	725	645	336	117	13	0	1	39	215	591	822	4404
60	990	810	736	419	173	28	1	4	64	289	680	913	5106
65	1143	950	888	565	293	74	8	15	135	432	829	1065	6397

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	1	15	111	324	512	461	231	47	0	0	1703
57	0	0	0	8	80	269	451	400	183	29	0	0	1420
60	0	0	0	2	43	194	359	310	119	12	0	0	1038
65	0	0	0	0	10	91	212	167	41	1	0	0	522
70	0	0	0	0	1	27	85	57	7	0	0	0	178

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	14	26	71	221	489	764	975	923	651	353	77	20	4583
45	3	7	26	121	344	615	821	769	504	225	27	5	3466
50	0	1	6	51	215	467	666	615	362	120	5	1	2511
55	0	0	1	15	111	324	512	461	231	47	0	0	1703
60	0	0	0	2	43	194	359	310	119	12	0	0	1038

Corn GDD 29 42 84 181 322 471 611 580 418 264 91 36 3130

Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	83/1968	96	103	109	113	117	122	126	131	138	154/1938	38	
32	106/1951	117	124	130	134	139	143	148	153	161	178/1963	37	
28	130/1965	141	148	153	157	162	166	170	175	182	203/1943	37	
24	145/1941	160	168	174	179	184	189	194	199	208	225/1965	37	
20	168/1941	182	189	194	198	202	206	211	216	223	238/1965	35	
16	169/1941	193	202	208	214	219	224	229	235	244	251/1918	33	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/26/1941	5/10	5/16	5/20	5/24	5/27	5/30	6/ 3	6/ 7	6/13	6/26/1968	38	
32	4/21/1939	4/29	5/ 4	5/ 8	5/12	5/15	5/18	5/21	5/25	5/30	6/13/1947	37	
28	3/26/1943	4/18	4/23	4/27	4/30	5/ 3	5/ 6	5/ 9	5/12	5/17	5/25/1924	37	
24	3/24/1943	4/ 6	4/11	4/15	4/18	4/21	4/24	4/27	5/ 1	5/ 6	5/13/1953	37	
20	3/18/1946	3/29	4/ 2	4/ 6	4/ 9	4/11	4/14	4/17	4/20	4/25	5/ 2/1954	35	
16	3/ 1/1918	3/14	3/20	3/24	3/28	3/31	4/ 4	4/ 7	4/12	4/17	4/26/1924	33	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 4/1961	9/ 8	9/13	9/16	9/19	9/21	9/24	9/27	9/30	10/ 5	10/16/1963	38	
32	9/ 4/1961	9/13	9/19	9/24	9/27	10/ 1	10/ 4	10/ 8	10/12	10/18	10/27/1963	37	
28	9/ 9/1941	9/24	9/30	10/ 4	10/ 8	10/11	10/15	10/18	10/22	10/28	11/11/1924	37	
24	9/11/1941	10/ 4	10/10	10/15	10/18	10/22	10/25	10/29	11/ 2	11/ 8	11/14/1944	37	
20	9/11/1941	10/12	10/18	10/23	10/27	10/31	11/ 3	11/ 7	11/12	11/18	11/22/1965	35	
16	9/11/1941	10/18	10/24	10/28	11/ 1	11/ 5	11/ 9	11/12	11/17	11/23	12/ 4/1949	33	

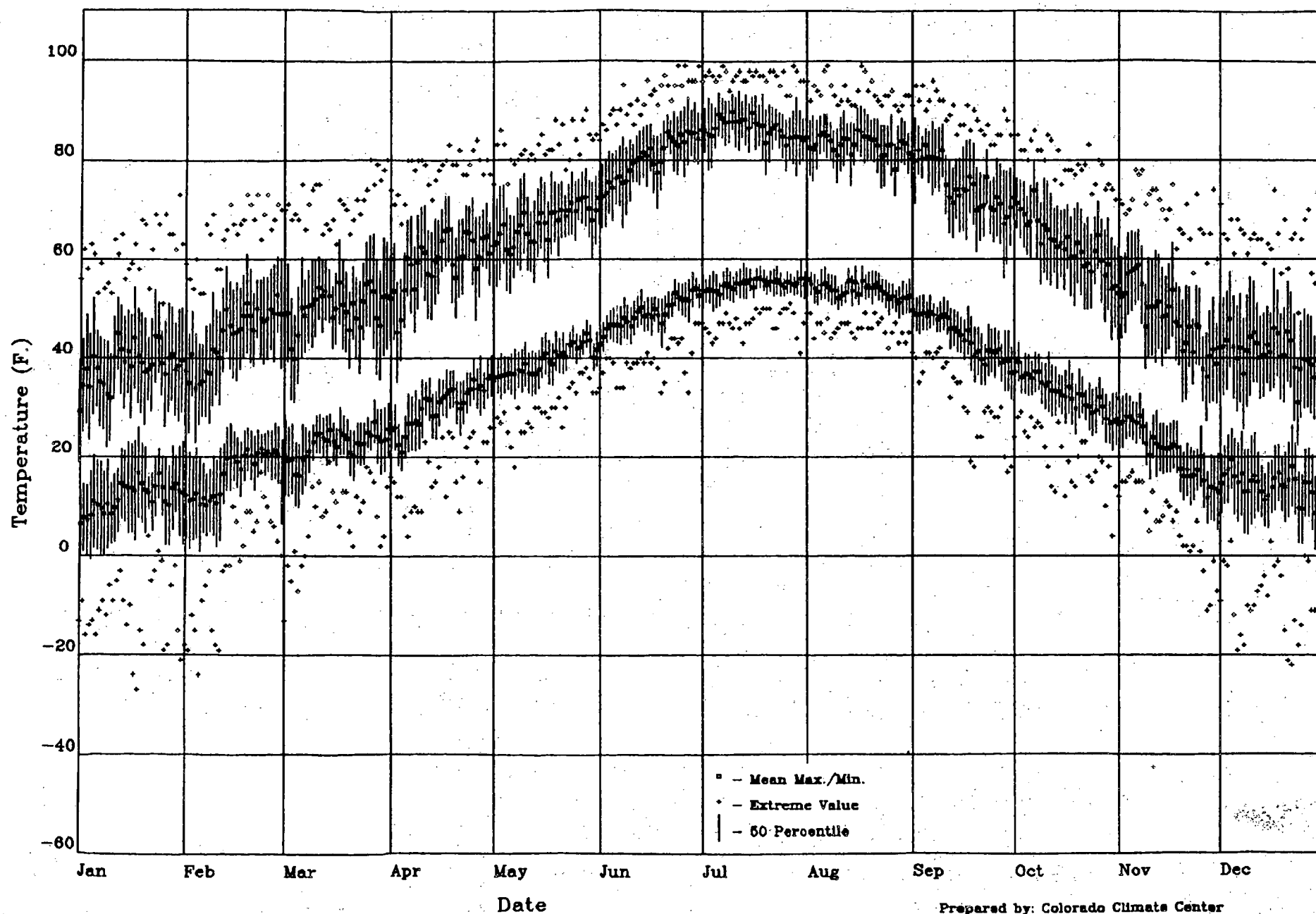
LIMON WSMO

Record: 17 years ending in 1987

Lat 39 11

Long 103 42

Elev 5560



Prepared by: Colorado Climate Center

Latitude: 39 11 Longitude: 103 42 Elevation: 5560

Period of Record: 17 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	38.4	44.1	50.0	59.2	67.3	80.0	86.4	83.2	75.0	63.3	48.2	40.8	61.3
Std. Dev.	6.6	4.5	4.9	4.8	3.6	3.3	2.4	2.4	3.2	3.6	4.7	6.2	
Mean Min.	11.8	16.6	22.5	30.3	39.5	49.0	54.8	53.6	44.3	32.7	20.9	14.1	32.5
Std. Dev.	4.6	2.9	2.4	3.0	2.1	2.0	1.2	2.2	2.2	1.7	2.7	4.0	
Num. Yrs.	15	15	16	16	16	16	16	16	17	17	17	17	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	761	549	422	197	52	2	0	0	24	139	462	684	3293
55	916	689	571	315	113	10	1	1	52	236	607	837	4348
57	978	746	632	368	148	17	2	2	69	285	666	899	4811
60	1071	831	724	452	215	34	3	5	102	368	756	991	5550
65	1225	972	877	601	353	83	12	23	183	518	906	1145	6900

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	1	15	70	302	493	425	201	28	1	0	1535
57	0	0	1	8	44	249	432	364	157	15	0	0	1269
60	0	0	0	2	17	176	340	274	100	4	0	0	914
65	0	0	0	0	1	76	194	137	32	0	0	0	441
70	0	0	0	0	0	19	72	38	4	0	0	0	133

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	12	28	71	206	429	740	957	889	603	293	68	21	4316
45	3	8	27	109	286	590	802	734	459	175	27	6	3227
50	0	1	7	46	164	443	647	579	323	86	6	0	2304
55	0	0	1	15	70	302	493	425	201	28	1	0	1535
60	0	0	0	2	17	176	340	274	100	4	0	0	914

Corn GDD 22 44 84 170 276 456 595 555 383 227 75 34 2919

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	75/1973	89	97	103	108	112	117	122	128	135	141/1982	16
32	113/1974	120	127	132	136	140	144	148	153	160	165/1987	16
28	129/1971	134	142	147	152	156	161	165	171	178	182/1973	16
24	151/1978	156	164	169	174	178	183	187	193	200	208/1972	16
20	165/1971	172	180	185	190	195	200	205	210	219	224/1987	16
16	172/1984	193	201	206	211	215	219	224	229	236	240/1978	16

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/ 4/1987	5/13	5/19	5/24	5/28	5/31	6/ 4	6/ 8	6/12	6/18	6/27/1985	16
32	4/23/1977	4/30	5/ 4	5/ 7	5/ 9	5/12	5/14	5/17	5/20	5/24	5/22/1974	16
28	4/ 9/1985	4/18	4/23	4/27	4/30	5/ 3	5/ 6	5/ 9	5/13	5/18	5/21/1974	16
24	4/ 4/1972	4/ 5	4/ 9	4/12	4/15	4/18	4/21	4/23	4/27	5/ 1	5/ 7/1978	16
20	4/ 1/1972	3/30	4/ 3	4/ 6	4/ 9	4/11	4/14	4/17	4/20	4/24	5/ 7/1978	16
16	3/ 8/1981	3/15	3/21	3/25	3/29	4/ 1	4/ 5	4/ 8	4/13	4/19	4/27/1984	16

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	9/ 3/1973	9/11	9/14	9/17	9/19	9/21	9/23	9/25	9/27	9/30	10/ 3/1982	16
32	9/12/1974	9/17	9/21	9/24	9/26	9/29	10/ 1	10/ 3	10/ 6	10/10	10/16/1981	16
28	9/18/1971	9/22	9/27	9/30	10/ 3	10/ 6	10/ 9	10/12	10/16	10/21	10/25/1973	16
24	9/18/1971	9/26	10/ 2	10/ 6	10/10	10/13	10/17	10/20	10/24	10/30	11/ 3/1973	16
20	9/18/1971	10/ 2	10/10	10/15	10/19	10/23	10/28	11/ 1	11/ 6	11/14	11/16/1973	16
16	10/12/1986	10/17	10/23	10/26	10/30	11/ 2	11/ 5	11/ 9	11/12	11/18	11/22/1983	16

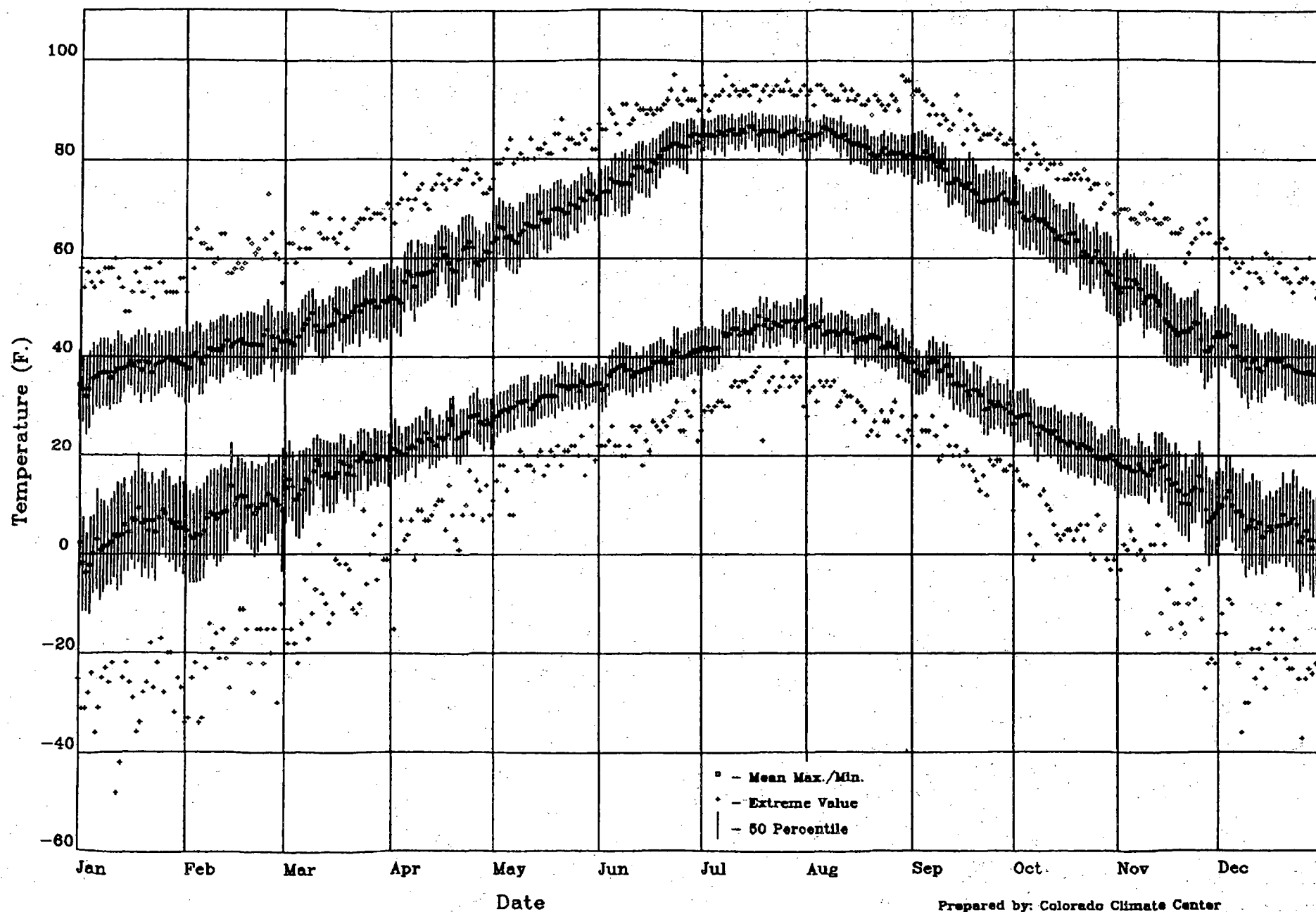
LITTLE HILLS

Record: 40 years ending in 1987

Lat 40 0

Long 108 12

Elev 6140



Prepared by: Colorado Climate Center

Latitude: 40 0 Longitude: 108 12 Elevation: 6140

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	37.4	41.7	47.6	58.0	68.0	78.9	85.4	83.2	75.8	63.9	48.6	39.2	60.6
Std. Dev.	4.9	4.2	4.1	4.1	3.2	3.4	2.4	2.0	3.6	4.9	4.9	4.4	
Mean Min.	4.5	8.7	16.8	24.0	31.6	38.2	45.3	43.6	34.1	23.4	14.8	6.3	24.3
Std. Dev.	6.2	6.1	3.9	2.8	2.0	2.3	2.5	3.0	2.9	3.9	3.8	4.5	
Num. Yrs.	37	38	37	37	37	38	37	39	38	37	38	38	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	889	687	539	269	78	9	0	0	24	202	530	826	4053
55	1043	827	693	410	172	31	1	4	67	338	678	979	5241
57	1105	882	755	469	222	48	2	7	98	397	737	1040	5761
60	1197	966	847	558	306	87	6	19	159	488	825	1132	6591
65	1351	1106	1001	706	458	194	41	76	290	639	973	1285	8120

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	1	20	142	327	269	74	2	0	0	834
57	0	0	0	0	9	100	266	211	46	1	0	0	633
60	0	0	0	0	2	51	178	131	18	0	0	0	380
65	0	0	0	0	0	10	59	33	3	0	0	0	104
70	0	0	0	0	0	1	7	3	0	0	0	0	11

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	1	4	18	108	314	555	789	727	448	161	17	2	3142
45	0	0	2	39	182	409	635	573	307	69	2	0	2218
50	0	0	0	9	79	268	480	419	177	18	0	0	1451
55	0	0	0	1	20	142	327	269	74	2	0	0	834
60	0	0	0	0	2	51	178	131	18	0	0	0	380

Corn GDD	4	11	42	139	277	422	534	506	379	223	55	8	2600
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1976	13	20	25	29	33	37	42	47	54	69/1957	33
32	0/1976	38	47	54	60	65	71	76	83	92	108/1986	30
28	0/1976	53	65	74	82	89	96	103	112	124	126/1958	27
24	0/1976	68	82	93	102	111	119	128	139	153	160/1969	24
20	115/1950	123	131	137	143	147	152	157	163	172	192/1969	22
16	139/1954	150	158	164	170	174	179	185	191	199	216/1949	21

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	6/17/1954	6/24	6/28	6/30	7/ 2	7/ 5	7/ 7	7/ 9	7/12	7/15	7/19/1976	33
32	5/30/1972	6/11	6/16	6/19	6/22	6/25	6/28	7/ 1	7/ 4	7/ 9	7/19/1976	30
28	5/12/1964	5/20	5/27	6/ 1	6/ 5	6/ 9	6/13	6/18	6/23	6/30	7/19/1976	27
24	4/22/1987	5/ 3	5/12	5/18	5/23	5/28	6/ 3	6/ 8	6/14	6/23	7/19/1976	24
20	3/27/1969	4/14	4/21	4/26	4/30	5/ 5	5/ 9	5/13	5/18	5/25	6/ 9/1950	22
16	3/ 9/1949	3/30	4/ 6	4/12	4/16	4/21	4/25	4/29	5/ 5	5/12	5/28/1954	21

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1976	7/20	7/26	7/31	8/ 3	8/ 7	8/10	8/14	8/19	8/25	9/ 7/1983	33
32	7/19/1976	8/11	8/17	8/22	8/26	8/29	9/ 2	9/ 6	9/10	9/17	9/23/1969	30
28	7/19/1976	8/15	8/23	8/28	9/ 2	9/ 6	9/10	9/15	9/20	9/27	10/ 5/1969	27
24	7/19/1976	8/24	9/ 1	9/ 6	9/11	9/16	9/21	9/26	10/ 1	10/ 9	10/16/1960	24
20	9/13/1978	9/15	9/20	9/23	9/26	9/29	10/ 2	10/ 5	10/ 8	10/13	10/25/1960	22
16	9/20/1983	9/28	10/ 3	10/ 7	10/ 9	10/12	10/15	10/18	10/21	10/26	10/29/1960	21

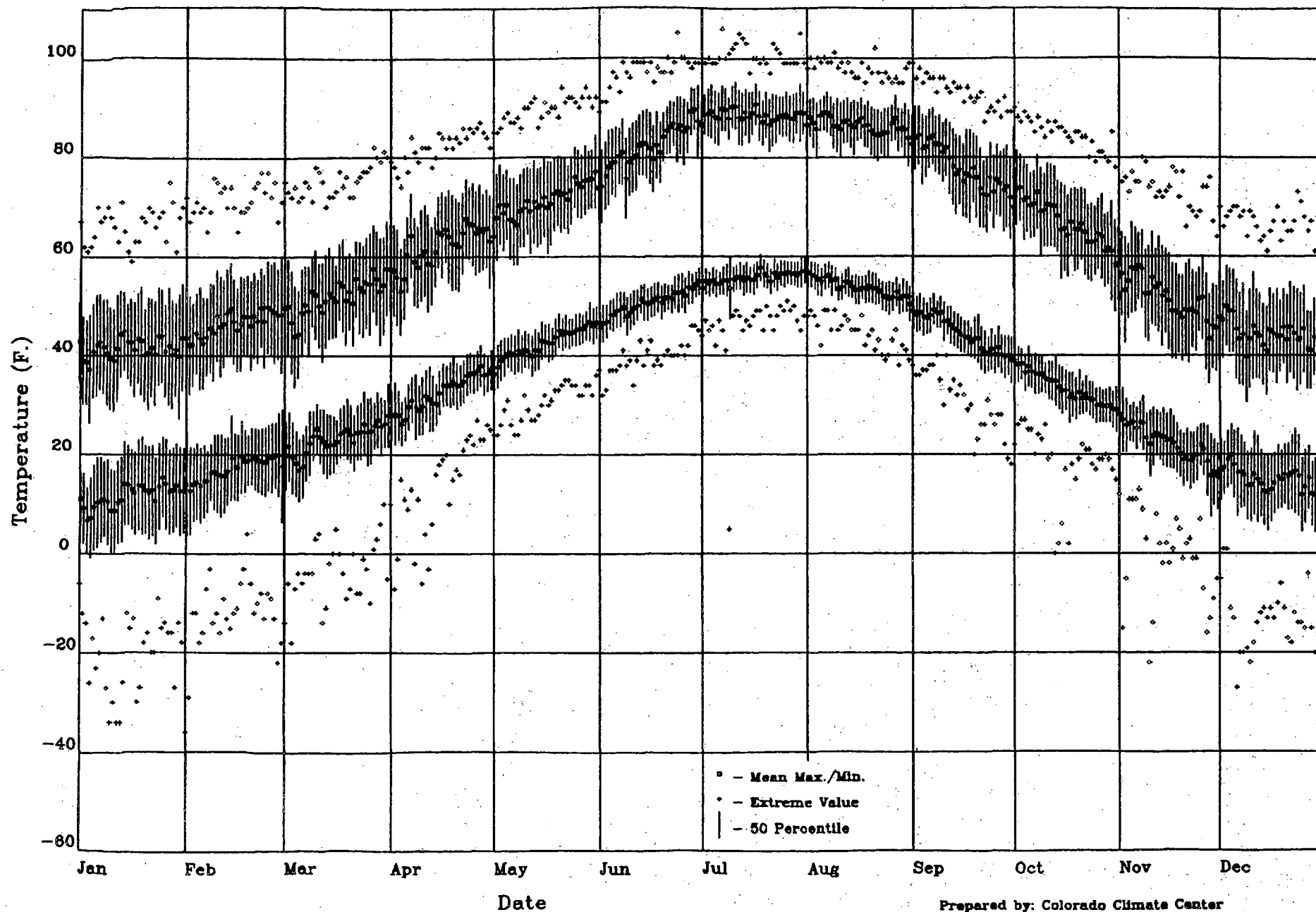
LONGMONT 2 ESE

Record: 40 years ending in 1987

Lat 40 10

Long 105 4

Elev 4950



Prepared by: Colorado Climate Center

Latitude: 40 10 Longitude: 105 4 Elevation: 4950

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	41.4	46.4	51.8	61.8	71.3	82.0	88.5	86.4	78.0	66.8	51.7	44.2	64.2
Std. Dev.	6.2	5.8	5.1	4.6	3.6	4.1	2.2	2.0	4.1	4.8	4.7	5.1	
Mean Min.	11.7	17.1	23.2	32.5	42.5	50.6	55.7	53.6	44.3	33.3	22.3	14.9	33.5
Std. Dev.	5.6	4.2	3.3	2.7	1.9	2.2	1.8	2.2	2.3	2.3	2.9	3.7	
Num. Yrs.	39	39	39	39	39	39	39	40	40	40	40	40	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	718	509	392	155	31	2	0	0	15	100	390	625	2936
55	872	648	538	255	72	9	0	0	35	186	534	778	3928
57	934	704	599	303	97	13	1	1	49	230	593	840	4364
60	1027	788	691	382	145	25	2	2	76	307	683	933	5062
65	1181	929	846	527	256	64	7	13	148	454	833	1087	6345

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	2	28	139	355	538	472	227	42	1	0	1806
57	0	0	1	17	102	300	476	411	181	25	1	0	1512
60	0	0	0	6	57	222	384	320	118	9	0	0	1117
65	0	0	0	0	13	111	235	176	41	1	0	0	577
70	0	0	0	0	1	36	102	61	7	0	0	0	208

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	18	36	95	265	535	797	1002	934	642	342	83	22	4770
45	4	11	39	157	388	647	847	780	496	215	31	6	3622
50	0	2	11	78	253	499	692	626	356	111	7	1	2636
55	0	0	2	28	139	355	538	472	227	42	1	0	1806
60	0	0	0	6	57	222	384	320	118	9	0	0	1117

Corn GDD	33	52	102	202	334	484	621	582	414	275	98	42	3241
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	93/1973	105	112	117	121	125	129	134	139	146	158/1969	37	
32	105/1963	122	130	135	140	144	149	153	159	167	175/1986	34	
28	115/1963	143	151	157	162	167	171	176	182	190	198/1974	33	
24	115/1963	163	172	178	183	188	193	198	204	213	229/1965	33	
20	115/1963	175	186	194	201	207	213	220	228	239	257/1981	31	
16	131/1963	193	204	212	219	225	232	239	247	258	266/1981	30	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/22/1977	5/ 1	5/ 7	5/11	5/15	5/19	5/22	5/26	5/31	6/ 6	7/ 9/1963	37	
32	4/19/1986	4/19	4/25	4/30	5/ 5	5/ 9	5/12	5/17	5/22	5/28	7/ 9/1963	34	
28	4/ 4/1977	4/ 6	4/13	4/18	4/23	4/27	5/ 1	5/ 6	5/11	5/18	7/ 9/1963	33	
24	3/27/1965	3/25	4/ 2	4/ 7	4/12	4/17	4/21	4/26	5/ 2	5/10	7/ 9/1963	33	
20	3/ 5/1985	3/11	3/20	3/27	4/ 1	4/ 7	4/12	4/18	4/24	5/ 4	7/ 9/1963	31	
16	3/ 5/1978	3/ 2	3/12	3/19	3/25	3/31	4/ 6	4/12	4/19	4/29	7/ 9/1963	30	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 2/1952	9/ 9	9/13	9/16	9/19	9/21	9/23	9/26	9/29	10/ 3	10/14/1963	37	
32	9/10/1962	9/17	9/21	9/25	9/27	9/30	10/ 2	10/ 5	10/ 8	10/13	10/22/1963	34	
28	9/19/1971	9/25	10/ 1	10/ 4	10/ 8	10/11	10/14	10/17	10/21	10/26	11/ 1/1963	33	
24	9/19/1971	10/ 6	10/11	10/15	10/19	10/22	10/25	10/28	11/ 1	11/ 6	11/11/1965	33	
20	9/19/1971	10/12	10/18	10/23	10/27	10/31	11/ 3	11/ 7	11/12	11/18	11/22/1965	31	
16	10/13/1969	10/28	11/ 2	11/ 6	11/ 9	11/11	11/14	11/17	11/21	11/25	11/27/1973	30	

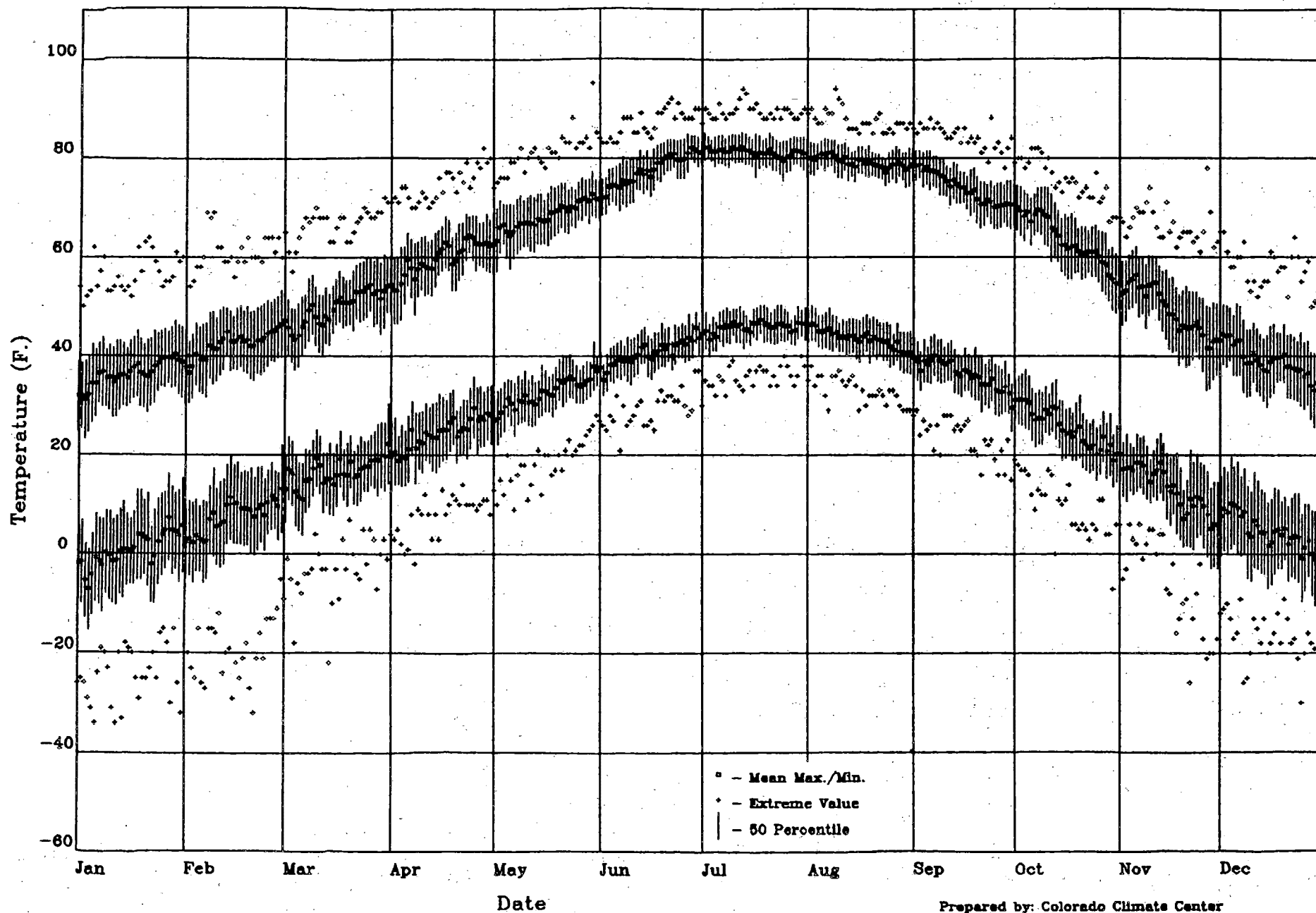
MANASSA

Record: 38 years ending in 1987

Lat 37 10

Long 105 56

Elev 7680



Prepared by: Colorado Climate Center

Latitude: 37 10 Longitude: 105 56 Elevation: 7680 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	36.3	42.1	49.6	59.5	68.1	77.4	81.3	79.3	74.0	63.7	49.4	38.8	60.0
Std. Dev.	5.6	5.5	3.8	3.5	3.0	2.8	1.8	1.8	2.8	3.8	5.1	5.3	
Mean Min.	0.8	7.5	16.6	24.3	32.6	40.6	45.8	43.6	36.2	25.6	13.4	4.5	24.3
Std. Dev.	5.9	5.4	3.1	4.9	2.1	1.7	2.1	2.8	2.3	2.9	4.2	6.1	
Num. Yrs.	36	37	36	36	37	32	35	34	32	35	35	35	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	941	680	499	239	63	2	0	0	13	175	536	835	3983
55	1092	816	648	372	151	18	0	1	51	304	681	983	5117
57	1153	871	708	429	198	33	1	4	81	361	739	1043	5620
60	1243	953	797	515	279	68	6	22	145	449	826	1132	6435
65	1394	1089	947	658	424	173	58	111	278	596	972	1280	7980

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	3	21	141	258	202	61	3	0	0	691
57	0	0	0	2	10	99	200	145	34	1	0	0	490
60	0	0	0	1	2	48	117	72	11	0	0	0	252
65	0	0	0	0	0	7	22	10	1	0	0	0	40
70	0	0	0	0	0	1	1	1	0	0	0	0	2

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	1	2	21	124	317	557	700	652	443	176	18	6	3017
45	0	0	4	50	186	412	553	502	301	80	3	3	2093
50	0	0	1	14	81	270	405	351	167	23	0	1	1313
55	0	0	0	3	21	141	258	202	61	3	0	0	691
60	0	0	0	1	2	48	117	72	11	0	0	0	252

Corn GDD	5	15	53	152	268	396	464	444	346	210	57	9	2419
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	5/1952	18	27	34	39	45	50	55	62	71	82/1983	18
32	54/1955	59	67	72	77	82	86	91	97	104	107/1986	17
28	78/1985	89	95	100	104	107	111	114	119	125	134/1982	16
24	116/1962	118	126	131	135	140	144	148	154	161	177/1987	15
20	131/1962	135	142	147	152	156	160	164	170	177	181/1954	14
16	156/1983	158	163	167	170	174	177	180	184	189	201/1987	14

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/15/1954	6/18	6/22	6/25	6/28	6/30	7/ 2	7/ 5	7/ 8	7/12	7/16/1952	18
32	5/17/1956	5/27	6/ 2	6/ 6	6/10	6/14	6/17	6/21	6/26	7/ 2	7/ 8/1955	17
28	5/16/1956	5/15	5/21	5/25	5/28	6/ 1	6/ 4	6/ 7	6/11	6/17	6/27/1985	16
24	4/22/1987	4/27	5/ 2	5/ 6	5/ 9	5/12	5/15	5/18	5/22	5/27	6/ 7/1954	15
20	4/16/1954	4/19	4/23	4/27	4/30	5/ 2	5/ 5	5/ 8	5/11	5/15	5/20/1960	14
16	4/12/1962	4/14	4/18	4/21	4/24	4/27	4/29	5/ 2	5/ 5	5/10	5/18/1983	14

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/21/1952	7/26	8/ 1	8/ 6	8/10	8/14	8/17	8/21	8/26	9/ 1	9/ 6/1983	18
32	8/ 7/1953	8/17	8/23	8/27	8/31	9/ 3	9/ 7	9/11	9/15	9/21	9/28/1984	17
28	9/ 1/1956	9/ 4	9/ 8	9/11	9/13	9/16	9/18	9/20	9/23	9/27	10/ 6/1984	16
24	9/ 9/1962	9/15	9/20	9/23	9/26	9/29	10/ 1	10/ 4	10/ 8	10/12	10/16/1987	15
20	9/ 9/1962	9/21	9/26	9/29	10/ 2	10/ 5	10/ 8	10/11	10/14	10/19	10/17/1987	14
16	9/30/1985	10/ 4	10/ 9	10/12	10/15	10/17	10/20	10/23	10/26	10/30	11/ 9/1987	14

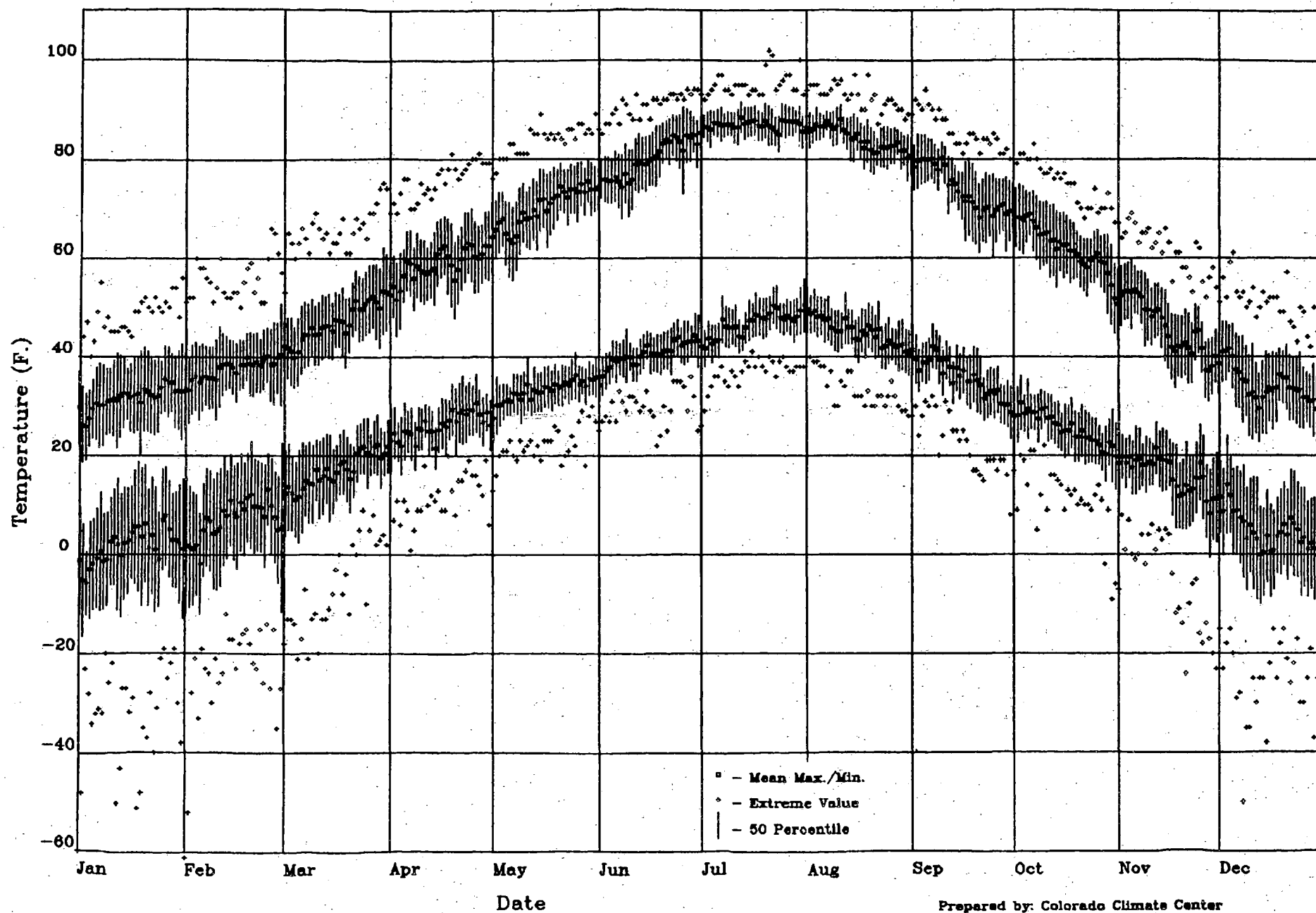
MAYBELL

Record: 24 years ending in 1987

Lat 40 31

Long 108 5

Elev 5920



Prepared by: Colorado Climate Center

Latitude: 40 31 Longitude: 108 5 Elevation: 5920

Period of Record: 27 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	31.6	37.4	46.9	58.6	70.0	79.8	86.9	84.2	74.0	62.4	46.0	34.4	59.4
Std. Dev.	5.8	5.1	5.2	3.8	3.2	3.5	2.0	2.9	4.5	5.0	3.9	5.3	
Mean Min.	1.8	7.2	17.1	26.2	33.2	40.5	46.6	45.2	35.5	25.6	16.2	4.6	25.0
Std. Dev.	8.2	8.6	5.0	2.6	1.8	1.8	2.0	3.1	3.2	2.4	3.7	5.4	
Num. Yrs.	22	23	24	24	22	22	21	21	21	23	23	23	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1020	777	548	234	58	5	0	0	35	196	558	927	4358
55	1174	918	702	367	134	21	0	2	78	332	708	1081	5516
57	1236	975	763	423	178	34	0	5	107	392	767	1142	6024
60	1329	1059	855	510	256	65	2	13	164	484	857	1235	6829
65	1484	1201	1009	655	404	156	20	54	291	637	1007	1388	8306

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	5	38	182	370	305	81	2	0	0	985
57	0	0	0	3	20	136	309	247	52	1	0	0	769
60	0	0	0	1	6	78	218	164	22	0	0	0	489
65	0	0	0	0	0	18	82	54	3	0	0	0	158
70	0	0	0	0	0	1	13	7	0	0	0	0	21

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	1	3	24	135	370	611	832	759	447	171	15	1	3368
45	0	0	5	57	231	462	678	607	310	74	2	0	2426
50	0	0	1	19	116	316	524	455	185	20	0	0	1635
55	0	0	0	5	38	182	370	305	81	2	0	0	985
60	0	0	0	1	6	78	218	164	22	0	0	0	489

Corn GDD	1	5	42	146	310	436	551	515	354	203	37	2	2602
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	29/1969	37	43	48	52	55	59	63	67	74	78/1961	15	
32	43/1985	55	63	69	74	78	83	88	93	101	96/1969	14	
28	81/1960	99	107	112	117	122	126	131	137	144	148/1963	11	
24	123/1970	122	128	131	135	138	141	144	148	153	159/1969	11	
20	130/1983	133	142	149	154	159	164	170	176	185	191/1961	10	
16	157/1983	166	174	180	185	190	194	199	205	214	217/1963	10	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	6/16/1961	6/22	6/25	6/27	6/29	7/ 1	7/ 2	7/ 4	7/ 6	7/10	7/12/1983	15	
32	5/30/1965	6/ 1	6/ 7	6/11	6/14	6/17	6/20	6/23	6/27	7/ 2	7/ 3/1968	14	
28	5/ 6/1961	5/ 4	5/10	5/14	5/18	5/22	5/25	5/29	6/ 2	6/ 8	6/21/1960	11	
24	4/28/1961	5/ 1	5/ 5	5/ 8	5/10	5/13	5/15	5/17	5/20	5/24	5/25/1960	11	
20	4/15/1961	4/18	4/23	4/26	4/28	5/ 1	5/ 3	5/ 6	5/ 9	5/13	5/15/1970	10	
16	3/16/1978	3/22	3/29	4/ 3	4/ 7	4/11	4/15	4/19	4/24	4/30	4/28/1966	10	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	8/ 7/1969	8/10	8/15	8/19	8/22	8/25	8/28	8/31	9/ 4	9/ 9	9/15/1963	15	
32	8/ 9/1985	8/12	8/20	8/25	8/30	9/ 3	9/ 7	9/12	9/17	9/25	10/ 4/1969	14	
28	9/ 3/1964	9/ 6	9/11	9/14	9/17	9/20	9/23	9/26	9/30	10/ 4	10/ 8/1963	11	
24	9/15/1970	9/15	9/19	9/22	9/25	9/27	9/30	10/ 2	10/ 6	10/10	10/14/1963	11	
20	9/20/1983	9/20	9/26	9/30	10/ 3	10/ 7	10/10	10/14	10/18	10/24	10/28/1963	10	
16	9/21/1983	10/ 2	10/ 7	10/11	10/14	10/17	10/20	10/24	10/27	11/ 1	11/ 1/1963	10	

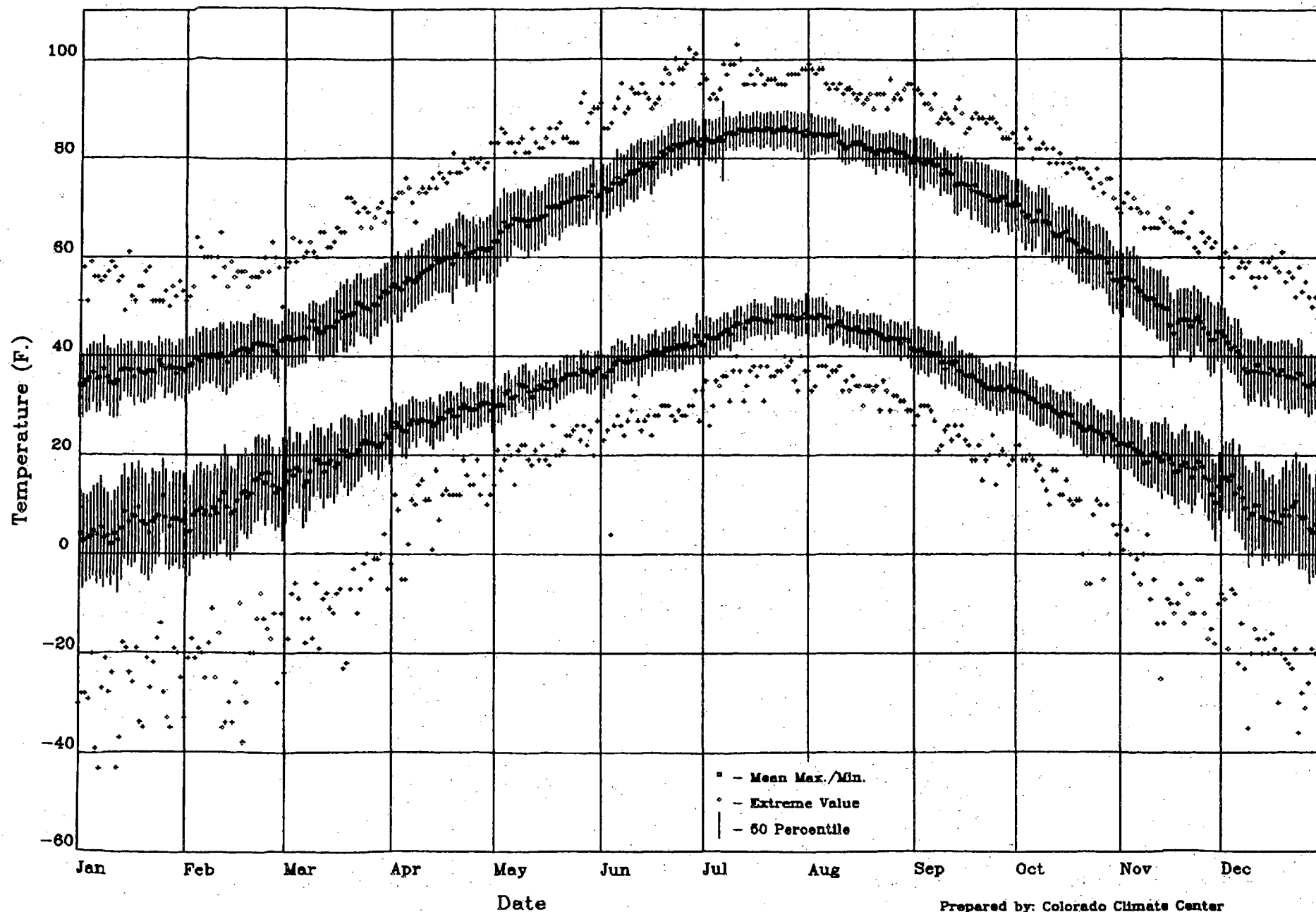
MEEKER

Record: 58 years ending in 1970

Lat 40 2

Long 107 54

Elev 6240



Prepared by: Colorado Climate Center

Latitude: 40 2 Longitude: 107 54 Elevation: 6240 Period of Record: 72 years ending in 1970

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	36.4	40.5	47.3	58.4	69.0	78.9	85.1	82.7	75.1	63.8	49.3	37.6	60.4
Std. Dev.	3.6	4.3	4.0	4.0	3.6	3.7	3.0	2.7	4.1	4.5	4.2	4.5	4.5
Mean Min.	5.8	10.9	19.3	27.8	34.2	40.1	46.4	45.3	36.9	27.8	18.3	9.0	26.8
Std. Dev.	5.9	5.3	4.0	2.1	2.1	2.4	2.3	2.1	2.6	2.3	3.5	5.6	5.6
Num. Yrs.	57	57	58	58	58	58	57	56	54	55	56	55	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	886	679	509	214	56	5	0	0	20	157	474	815	3816
55	1041	819	664	349	133	22	1	1	57	283	622	969	4962
57	1102	876	725	408	177	37	2	3	83	341	682	1031	5466
60	1195	960	818	497	255	71	5	9	138	432	771	1124	6276
65	1350	1101	973	646	403	172	33	58	264	586	920	1278	7784

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	1	38	164	342	286	94	5	0	0	931
57	0	0	0	0	20	119	281	226	61	2	0	0	709
60	0	0	0	0	6	64	192	140	26	1	0	0	428
65	0	0	0	0	0	15	65	34	3	0	0	0	118
70	0	0	0	0	0	3	8	3	0	0	0	0	14

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	2	4	29	147	369	590	804	747	487	213	28	3	3422
45	0	1	6	60	230	441	650	593	343	102	5	0	2430
50	0	0	1	16	114	297	496	439	207	34	0	0	1604
55	0	0	0	1	38	164	342	286	94	5	0	0	931
60	0	0	0	0	6	64	192	140	26	1	0	0	428

Corn GDD	2	6	39	144	295	426	530	500	376	222	57	5	2602
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	0/1900	23	34	42	49	55	61	68	76	87	105/1963	47	
32	0/1900	54	64	71	77	82	88	94	101	111	124/1958	41	
28	78/1907	88	97	104	110	116	121	127	134	143	155/1949	38	
24	95/1945	121	130	136	142	147	152	157	164	173	188/1965	32	
20	127/1946	149	158	166	172	177	183	189	196	206	224/1965	31	
16	166/1946	179	187	193	198	202	207	212	218	226	245/1965	27	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	6/11/1955	6/15	6/20	6/23	6/26	6/29	7/ 1	7/ 4	7/ 8	7/12	7/19/1900	47	
32	5/15/1958	5/28	6/ 3	6/ 8	6/11	6/15	6/19	6/22	6/27	7/ 3	7/19/1900	41	
28	4/16/1949	5/ 5	5/13	5/19	5/23	5/28	6/ 1	6/ 6	6/12	6/20	6/30/1968	38	
24	4/14/1926	4/17	4/24	4/29	5/ 4	5/ 8	5/12	5/17	5/22	5/29	6/16/1945	32	
20	3/31/1954	4/ 4	4/10	4/14	4/18	4/21	4/24	4/28	5/ 2	5/ 8	5/20/1960	31	
16	3/ 9/1949	3/21	3/27	4/ 1	4/ 5	4/ 9	4/12	4/16	4/21	4/27	5/ 7/1968	27	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	7/19/1900	7/30	8/ 7	8/13	8/18	8/23	8/27	9/ 1	9/ 7	9/15	9/24/1963	47	
32	7/19/1900	8/22	8/27	8/30	9/ 2	9/ 5	9/ 8	9/11	9/15	9/20	9/25/1963	41	
28	9/ 1/1908	9/ 7	9/11	9/15	9/18	9/20	9/23	9/26	9/30	10/ 4	10/14/1954	38	
24	9/ 8/1941	9/15	9/21	9/25	9/29	10/ 2	10/ 5	10/ 9	10/13	10/18	10/28/1963	32	
20	9/18/1900	9/24	10/ 1	10/ 7	10/11	10/15	10/19	10/24	10/29	11/ 5	11/22/1965	31	
16	9/21/1912	10/ 8	10/15	10/20	10/24	10/28	11/ 1	11/ 5	11/10	11/16	11/26/1965	27	

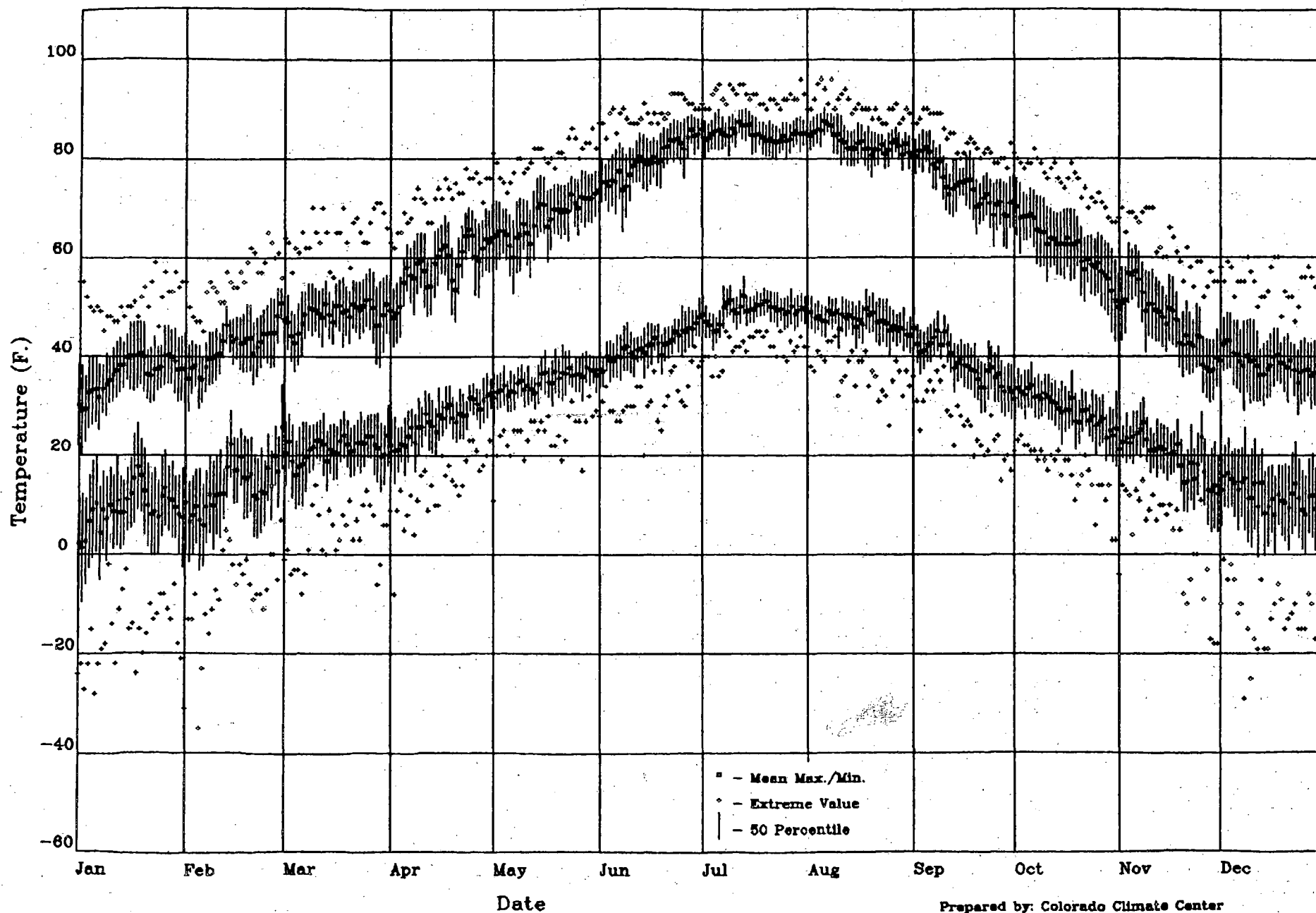
MEEKER NO. 2

Record: 17 years ending in 1987

Lat 40 2

Long 107 55

Elev 6350



Latitude: 40 2 Longitude: 107 55 Elevation: 6350

Period of Record: 18 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	36.5	41.6	48.5	58.0	67.8	79.5	84.9	83.4	74.8	62.3	47.1	38.5	60.3
Std. Dev.	4.7	3.3	3.5	4.1	2.8	3.1	1.6	1.1	3.4	3.7	3.2	4.9	
Mean Min.	9.4	13.4	21.3	27.1	35.1	42.2	49.2	47.2	38.8	29.4	19.8	11.8	28.7
Std. Dev.	5.5	4.6	3.4	2.1	1.5	2.0	1.4	3.0	3.0	2.3	2.8	4.9	
Num. Yrs.	17	17	17	17	17	17	16	16	16	17	17	17	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	830	627	460	232	58	5	0	0	20	158	490	763	3644
55	985	769	615	368	136	21	0	1	54	281	640	917	4786
57	1047	825	677	427	181	33	0	2	76	340	700	979	5286
60	1140	910	770	517	260	59	1	7	123	431	790	1072	6079
65	1295	1051	925	667	411	137	13	40	244	586	940	1227	7535

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	1	34	205	382	326	116	6	0	0	1069
57	0	0	0	0	17	157	320	266	77	2	0	0	839
60	0	0	0	0	4	93	227	178	35	0	0	0	537
65	0	0	0	0	0	21	85	56	6	0	0	0	168
70	0	0	0	0	0	1	10	5	0	0	0	0	17

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	2	5	31	143	366	634	847	790	512	221	30	3	3584
45	0	0	7	59	228	485	692	635	367	109	7	0	2588
50	0	0	1	15	112	339	537	480	232	37	0	0	1753
55	0	0	0	1	34	205	382	326	116	6	0	0	1069
60	0	0	0	0	4	93	227	178	35	0	0	0	537

Corn GDD	2	10	42	141	279	440	545	519	373	206	46	6	2609
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	37/1974	51	61	67	73	79	84	90	97	107	107/1977	15
32	60/1974	73	82	88	94	98	103	109	115	124	118/1981	15
28	87/1975	98	106	111	116	121	125	130	135	143	151/1981	15
24	114/1974	119	128	136	142	147	153	159	166	176	189/1980	14
20	126/1976	136	147	155	162	168	175	182	190	201	206/1983	14
16	182/1972	188	192	196	199	202	204	207	211	216	222/1985	14

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/29/1977	6/ 3	6/ 8	6/11	6/14	6/17	6/20	6/23	6/27	7/ 2	7/ 6/1982	15
32	5/23/1972	5/24	5/28	6/ 1	6/ 4	6/ 6	6/ 9	6/12	6/16	6/20	6/26/1975	15
28	5/ 3/1972	5/ 7	5/13	5/17	5/20	5/24	5/27	5/31	6/ 4	6/10	6/19/1973	15
24	4/17/1980	4/17	4/24	4/29	5/ 4	5/ 8	5/12	5/16	5/21	5/28	6/14/1976	14
20	4/ 6/1971	4/ 7	4/15	4/21	4/26	5/ 1	5/ 6	5/11	5/17	5/26	6/14/1976	14
16	3/30/1985	4/ 2	4/ 6	4/ 9	4/11	4/13	4/15	4/18	4/20	4/24	5/ 1/1972	14

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	8/10/1974	8/14	8/21	8/27	8/31	9/ 4	9/ 8	9/13	9/18	9/25	9/28/1982	15
32	8/10/1974	8/23	8/30	9/ 4	9/ 9	9/13	9/17	9/22	9/27	10/ 4	10/12/1981	15
28	8/25/1975	9/ 5	9/10	9/15	9/18	9/21	9/24	9/28	10/ 2	10/ 8	10/19/1981	15
24	9/13/1974	9/13	9/20	9/24	9/28	10/ 2	10/ 6	10/10	10/15	10/21	10/31/1981	14
20	9/19/1971	9/28	10/ 5	10/ 9	10/13	10/17	10/20	10/24	10/29	11/ 4	11/ 9/1983	14
16	10/18/1976	10/23	10/26	10/28	10/30	11/ 1	11/ 2	11/ 4	11/ 6	11/ 9	11/10/1984	14

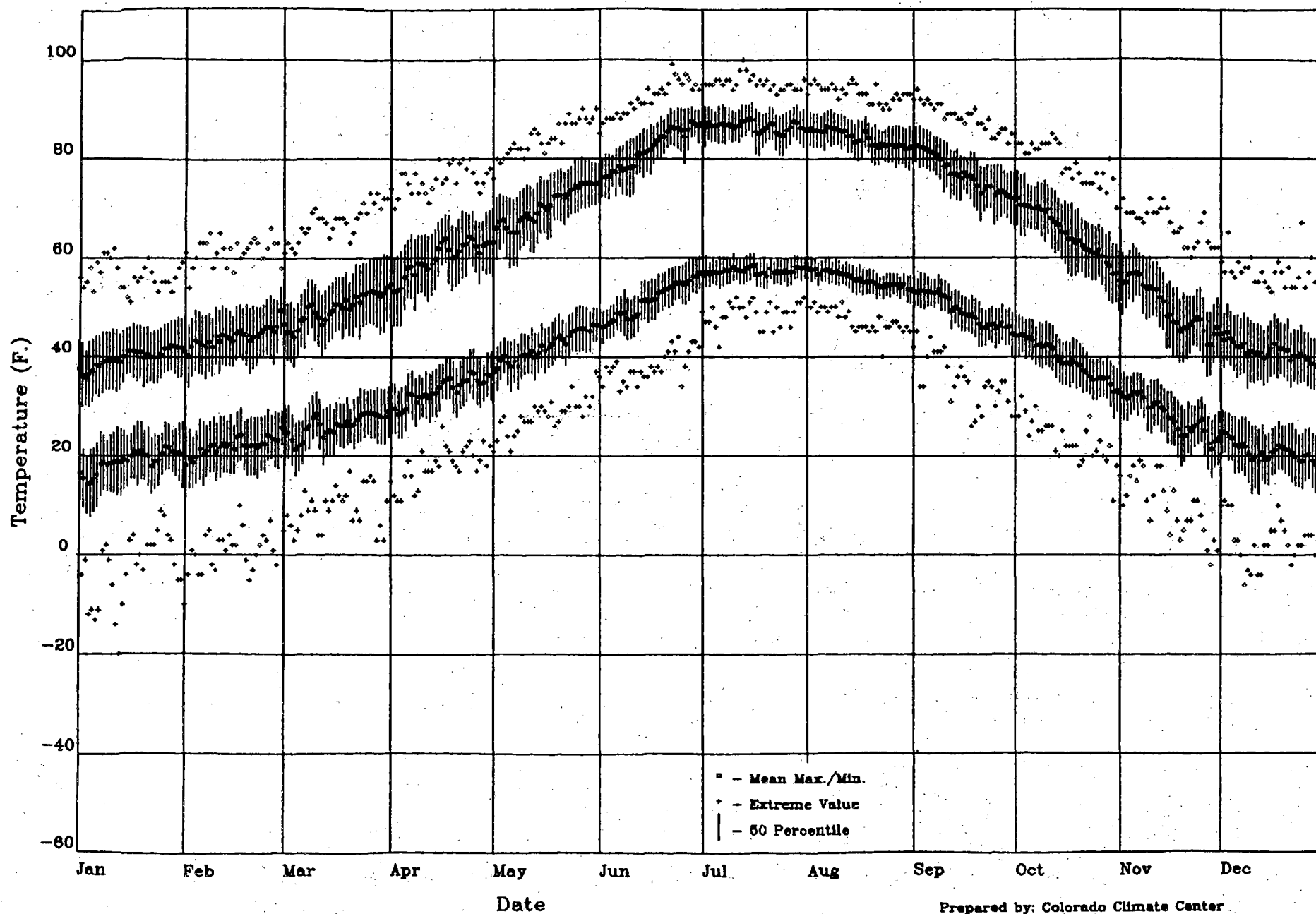
MESA VERDE NATL PARK

Record: 40 years ending in 1987

Lat 37 12

Long 108 29

Elev 7070



Prepared by: Colorado Climate Center

Latitude: 37 12 Longitude: 108 29 Elevation: 7070

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	39.8	43.8	49.7	59.8	70.2	81.7	86.6	84.2	77.1	65.1	50.1	41.1	62.4
Std. Dev.	3.8	3.9	4.3	3.8	3.9	2.8	2.3	2.1	3.5	4.6	4.4	3.9	
Mean Min.	19.0	21.9	26.2	33.3	42.0	51.3	57.4	55.6	49.3	39.2	28.0	20.7	37.0
Std. Dev.	3.3	3.8	3.0	2.5	2.6	2.1	1.7	1.6	2.8	3.2	3.2	3.2	
Num. Yrs.	38	39	39	38	38	38	39	40	40	40	40	39	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	629	476	369	149	32	0	0	0	3	69	326	584	2639
55	784	617	519	259	77	4	0	0	13	140	468	738	3619
57	846	673	581	312	104	7	0	0	20	178	528	800	4048
60	938	757	673	397	156	18	0	1	37	247	617	893	4735
65	1093	898	828	545	276	56	3	8	98	387	766	1047	6005

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	13	119	349	530	466	264	61	0	0	1803
57	0	0	0	7	84	294	468	405	212	38	0	0	1508
60	0	0	0	2	44	217	376	313	140	15	0	0	1106
65	0	0	0	0	9	109	225	167	51	2	0	0	562
70	0	0	0	0	1	36	92	52	9	0	0	0	190

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	6	20	72	234	508	786	991	928	699	392	90	10	4736
45	0	3	25	128	362	639	838	774	551	258	33	0	3610
50	0	0	5	52	229	493	684	620	404	144	7	0	2637
55	0	0	0	13	119	349	530	466	264	61	0	0	1803
60	0	0	0	2	44	217	376	313	140	15	0	0	1106

Corn GDD 6 17 57 162 319 499 640 596 430 241 61 9 3036

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	97/1968	107	115	121	126	131	135	140	146	154	184/1963	30
32	115/1965	135	142	147	151	155	159	163	168	175	186/1963	30
28	136/1965	155	162	167	172	176	180	184	190	197	212/1952	29
24	169/1986	176	184	190	195	199	204	209	215	223	242/1954	29
20	181/1970	205	212	217	221	225	229	233	238	245	249/1962	27
16	225/1953	224	232	238	242	247	251	256	262	269	303/1968	25

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	4/30/1963	5/ 8	5/14	5/18	5/22	5/25	5/28	5/31	6/ 5	6/10	6/25/1969	30
32	4/22/1959	4/29	5/ 4	5/ 7	5/10	5/13	5/16	5/19	5/22	5/27	5/29/1953	30
28	4/ 5/1954	4/15	4/20	4/23	4/26	4/29	5/ 2	5/ 5	5/ 9	5/14	5/27/1987	29
24	3/25/1952	4/ 3	4/ 8	4/12	4/15	4/18	4/21	4/24	4/28	5/ 3	5/ 7/1975	29
20	3/ 8/1967	3/17	3/23	3/27	3/31	4/ 3	4/ 6	4/10	4/14	4/20	4/29/1970	27
16	1/31/1968	3/ 2	3/ 8	3/12	3/16	3/19	3/23	3/27	3/31	4/ 6	4/ 9/1953	25

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/ 3/1961	9/16	9/21	9/26	9/29	10/ 2	10/ 6	10/ 9	10/13	10/19	10/31/1963	30
32	9/12/1985	9/27	10/ 3	10/ 8	10/11	10/15	10/18	10/22	10/26	11/ 1	11/ 8/1962	30
28	9/21/1965	10/ 5	10/11	10/15	10/19	10/22	10/26	10/29	11/ 2	11/ 8	11/17/1962	29
24	10/ 5/1969	10/18	10/23	10/27	10/31	11/ 3	11/ 7	11/10	11/14	11/20	11/28/1954	29
20	10/20/1949	10/30	11/ 4	11/ 8	11/11	11/14	11/17	11/20	11/24	11/29	12/ 8/1966	27
16	11/ 1/1956	11/ 7	11/12	11/15	11/19	11/21	11/24	11/27	12/ 1	12/ 6	12/12/1963	25

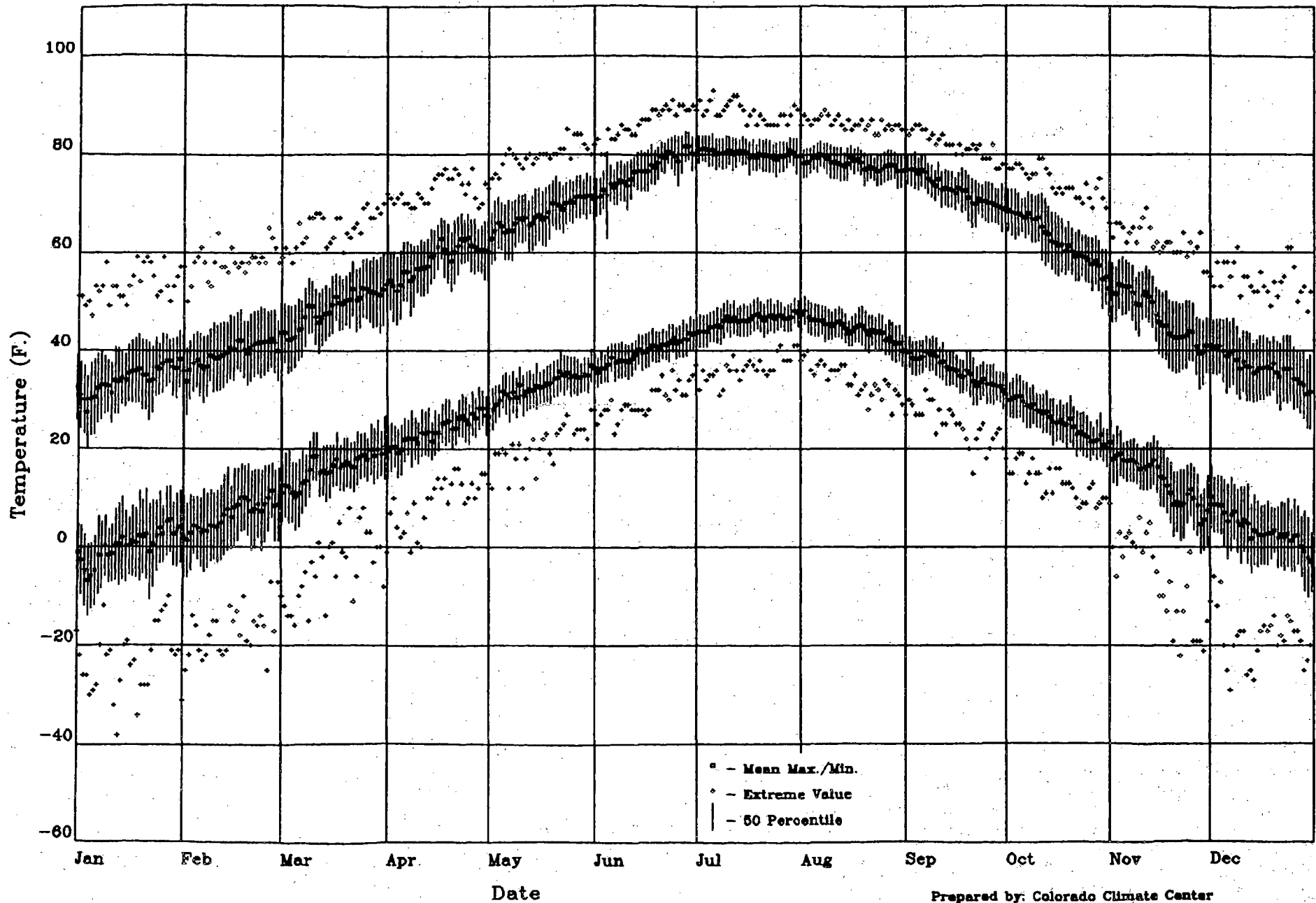
MONTE VISTA

Record: 40 years ending in 1987

Lat 37 34

Long 106 9

Elev 7660



Prepared by: Colorado Climate Center

Latitude: 37 34 Longitude: 106 9 Elevation: 7660 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	34.2	39.5	48.3	58.2	67.5	76.4	80.1	78.1	72.8	62.5	47.0	36.8	58.5
Std. Dev.	5.5	5.8	4.2	3.3	3.4	2.7	1.8	1.7	2.7	4.1	5.0	5.6	
Mean Min.	0.5	6.7	16.1	23.8	32.7	39.7	46.2	44.5	36.1	25.9	13.6	3.9	24.1
Std. Dev.	5.4	6.1	3.7	2.4	2.4	2.5	2.9	2.8	2.9	2.7	3.5	4.4	
Num. Yrs.	35	34	33	35	35	35	36	38	36	37	35	34	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	992	750	543	264	69	4	0	0	14	188	581	908	4312
55	1145	890	697	408	163	25	0	2	57	326	730	1062	5504
57	1206	946	759	467	213	43	1	5	91	386	790	1124	6031
60	1298	1031	852	556	297	86	9	22	163	478	879	1217	6887
65	1451	1171	1007	704	449	205	70	112	305	632	1029	1371	8506

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	21	123	256	200	48	1	0	0	649
57	0	0	0	0	10	81	196	143	23	0	0	0	453
60	0	0	0	0	2	35	112	69	6	0	0	0	224
65	0	0	0	0	0	5	21	8	0	0	0	0	34
70	0	0	0	0	0	0	1	0	0	0	0	0	1

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	1	18	104	325	546	713	652	436	170	7	0	2972
45	0	0	3	34	189	397	561	501	290	71	0	0	2046
50	0	0	0	5	81	251	408	350	153	17	0	0	1265
55	0	0	0	0	21	123	256	200	48	1	0	0	649
60	0	0	0	0	2	35	112	69	6	0	0	0	224

Corn GDD	2	9	47	138	271	393	465	430	338	201	39	4	2338
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	0/1987	27	39	47	54	61	67	74	83	94	114/1972	28	
32	53/1955	65	75	81	87	93	98	104	111	121	140/1969	28	
28	86/1962	92	101	108	114	120	125	131	138	147	162/1972	28	
24	113/1962	121	128	134	138	142	147	151	157	164	178/1972	27	
20	137/1959	146	153	158	162	166	169	174	178	185	197/1972	27	
16	159/1951	168	175	180	184	187	191	195	200	206	215/1972	27	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	5/26/1972	6/ 9	6/15	6/19	6/22	6/25	6/29	7/ 2	7/ 6	7/12	7/19/1987	28	
32	5/ 9/1969	5/23	5/29	6/ 2	6/ 6	6/ 9	6/12	6/16	6/20	6/26	7/ 9/1955	28	
28	4/28/1969	5/ 7	5/13	5/18	5/21	5/25	5/29	6/ 1	6/ 6	6/12	6/17/1957	28	
24	4/27/1969	4/29	5/ 4	5/ 8	5/11	5/13	5/16	5/19	5/23	5/27	6/ 7/1954	27	
20	4/ 7/1985	4/15	4/20	4/24	4/27	4/30	5/ 3	5/ 6	5/10	5/15	5/25/1960	27	
16	3/27/1969	4/ 2	4/ 8	4/12	4/15	4/18	4/22	4/25	4/29	5/ 4	5/15/1963	27	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	7/19/1987	8/ 2	8/10	8/16	8/20	8/25	8/29	9/ 3	9/ 9	9/17	9/18/1969	28	
32	8/18/1960	8/25	8/30	9/ 3	9/ 7	9/10	9/13	9/17	9/21	9/26	10/ 1/1949	28	
28	8/21/1964	9/ 5	9/10	9/15	9/18	9/22	9/25	9/28	10/ 3	10/ 9	10/21/1972	28	
24	9/10/1962	9/19	9/24	9/27	9/30	10/ 3	10/ 6	10/ 8	10/12	10/17	10/26/1972	27	
20	9/20/1959	9/30	10/ 4	10/ 7	10/10	10/13	10/15	10/18	10/21	10/26	11/ 1/1963	27	
16	10/ 2/1961	10/ 9	10/14	10/17	10/20	10/23	10/26	10/28	11/ 1	11/ 5	11/10/1983	27	

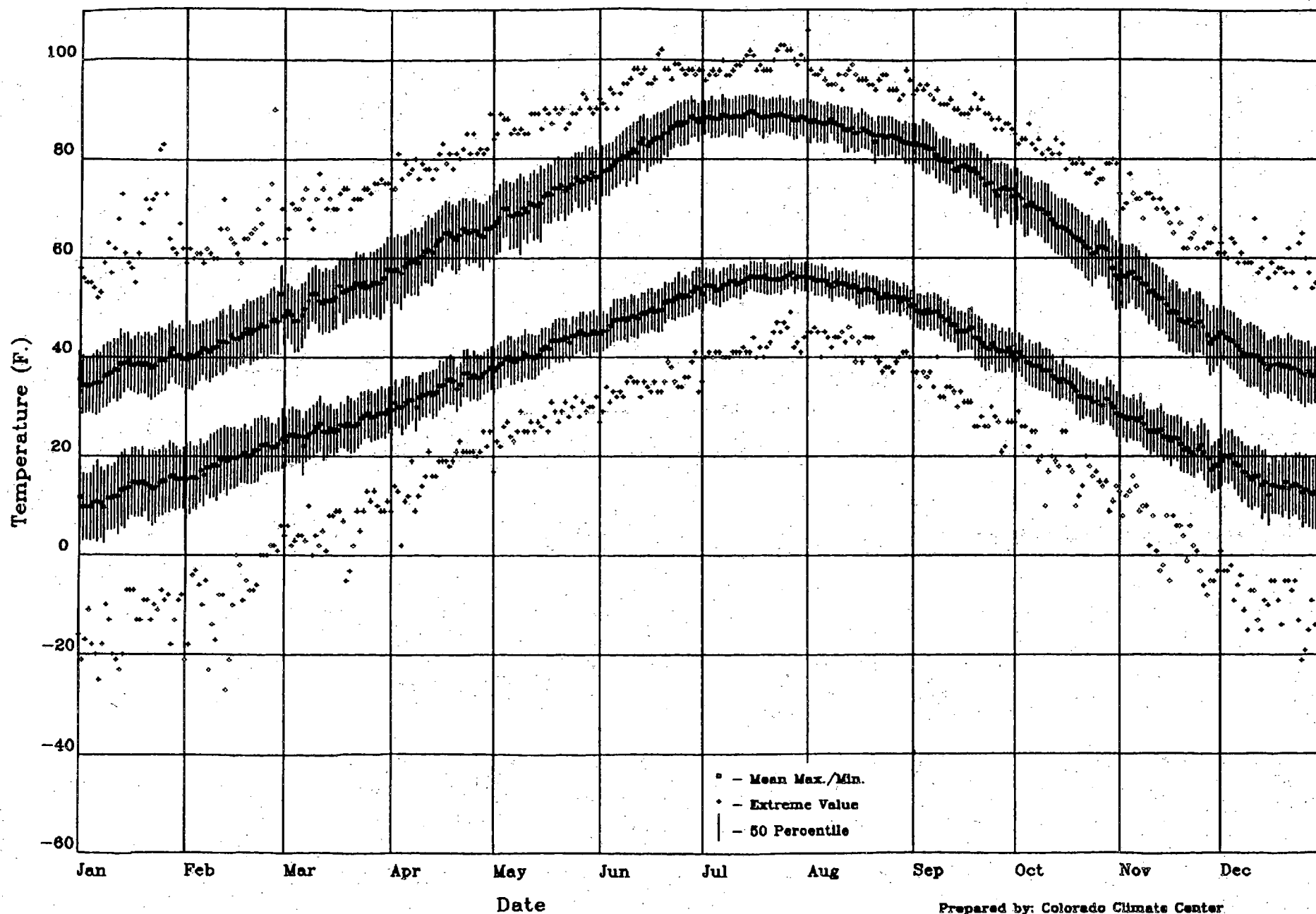
MONTROSE NO 2

Record: 85 years ending in 1987

Lat 38 29

Long 107 53

Elev 5830



Prepared by: Colorado Climate Center

Latitude: 38 29 Longitude: 107 53 Elevation: 5830 Period of Record: 88 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	37.8	43.6	52.4	62.3	72.1	83.1	88.6	85.7	78.1	65.8	50.5	39.4	63.3
Std. Dev.	5.2	4.7	3.8	3.7	3.7	3.6	2.7	2.5	3.3	3.8	3.9	4.6	
Mean Min.	13.1	19.3	26.0	33.7	41.9	49.4	55.4	53.6	45.4	34.7	23.6	15.2	34.3
Std. Dev.	5.4	4.4	3.0	2.5	2.5	2.9	2.6	2.3	2.7	2.8	3.0	4.3	
Num. Yrs.	84	83	83	83	83	84	84	84	83	84	84	83	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	752	516	331	123	25	1	0	0	5	84	382	695	2915
55	907	656	479	225	65	4	0	0	18	174	530	850	3907
57	968	713	540	274	90	9	0	0	27	220	589	912	4343
60	1061	797	632	356	138	20	0	1	50	300	679	1004	5040
65	1216	938	786	502	251	60	3	10	123	449	829	1159	6326

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	1	22	134	347	534	461	228	34	0	0	1762
57	0	0	0	12	97	292	472	400	178	19	0	0	1470
60	0	0	0	4	52	214	380	308	111	6	0	0	1074
65	0	0	0	0	11	105	228	162	34	0	0	0	541
70	0	0	0	0	1	33	94	51	5	0	0	0	184

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	5	14	87	268	534	789	997	924	659	336	57	5	4676
45	2	3	31	154	384	641	842	770	511	204	17	1	3559
50	1	0	7	71	249	492	688	616	365	99	3	0	2590
55	0	0	1	22	134	347	534	461	228	34	0	0	1762
60	0	0	0	4	52	214	380	308	111	6	0	0	1074

Corn GDD	6	18	82	195	347	501	627	584	429	250	65	7	3111
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	66/1968	94	102	108	113	118	123	128	134	143	155/1979	72
32	112/1946	123	131	137	142	146	151	156	161	169	178/1958	71
28	126/1919	147	155	161	167	171	176	182	188	196	213/1926	69
24	151/1908	177	185	190	195	199	203	208	213	221	241/1965	68
20	160/1909	197	205	211	216	220	225	230	236	244	258/1962	65
16	201/1917	214	223	229	234	239	244	250	256	265	287/1972	58

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/ 3/1958	5/10	5/16	5/21	5/25	5/29	6/ 1	6/ 5	6/10	6/16	7/ 1/1968	72
32	4/ 7/1934	4/26	5/ 2	5/ 5	5/ 9	5/12	5/15	5/18	5/22	5/27	6/13/1947	71
28	3/31/1926	4/10	4/16	4/20	4/24	4/27	4/30	5/ 4	5/ 8	5/14	6/ 1/1919	69
24	3/19/1925	3/30	4/ 4	4/ 8	4/11	4/13	4/16	4/19	4/23	4/27	5/ 7/1968	68
20	3/ 3/1916	3/16	3/21	3/25	3/28	3/31	4/ 4	4/ 7	4/11	4/16	5/ 1/1909	65
16	2/14/1972	3/ 6	3/11	3/15	3/19	3/22	3/25	3/28	4/ 1	4/ 7	4/14/1933	58

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/ 3/1961	9/10	9/15	9/18	9/21	9/24	9/26	9/29	10/ 3	10/ 8	10/16/1933	72
32	9/ 9/1941	9/19	9/25	9/29	10/ 2	10/ 5	10/ 8	10/12	10/15	10/21	10/30/1974	71
28	9/19/1924	9/29	10/ 5	10/ 9	10/12	10/16	10/19	10/22	10/26	11/ 1	11/ 9/1944	69
24	9/27/1908	10/16	10/20	10/24	10/27	10/29	11/ 1	11/ 4	11/ 7	11/12	11/22/1965	68
20	10/ 8/1909	10/23	10/28	11/ 1	11/ 4	11/ 7	11/10	11/13	11/17	11/22	12/ 5/1962	65
16	10/19/1917	10/31	11/ 6	11/10	11/13	11/16	11/19	11/23	11/27	12/ 2	12/22/1962	58

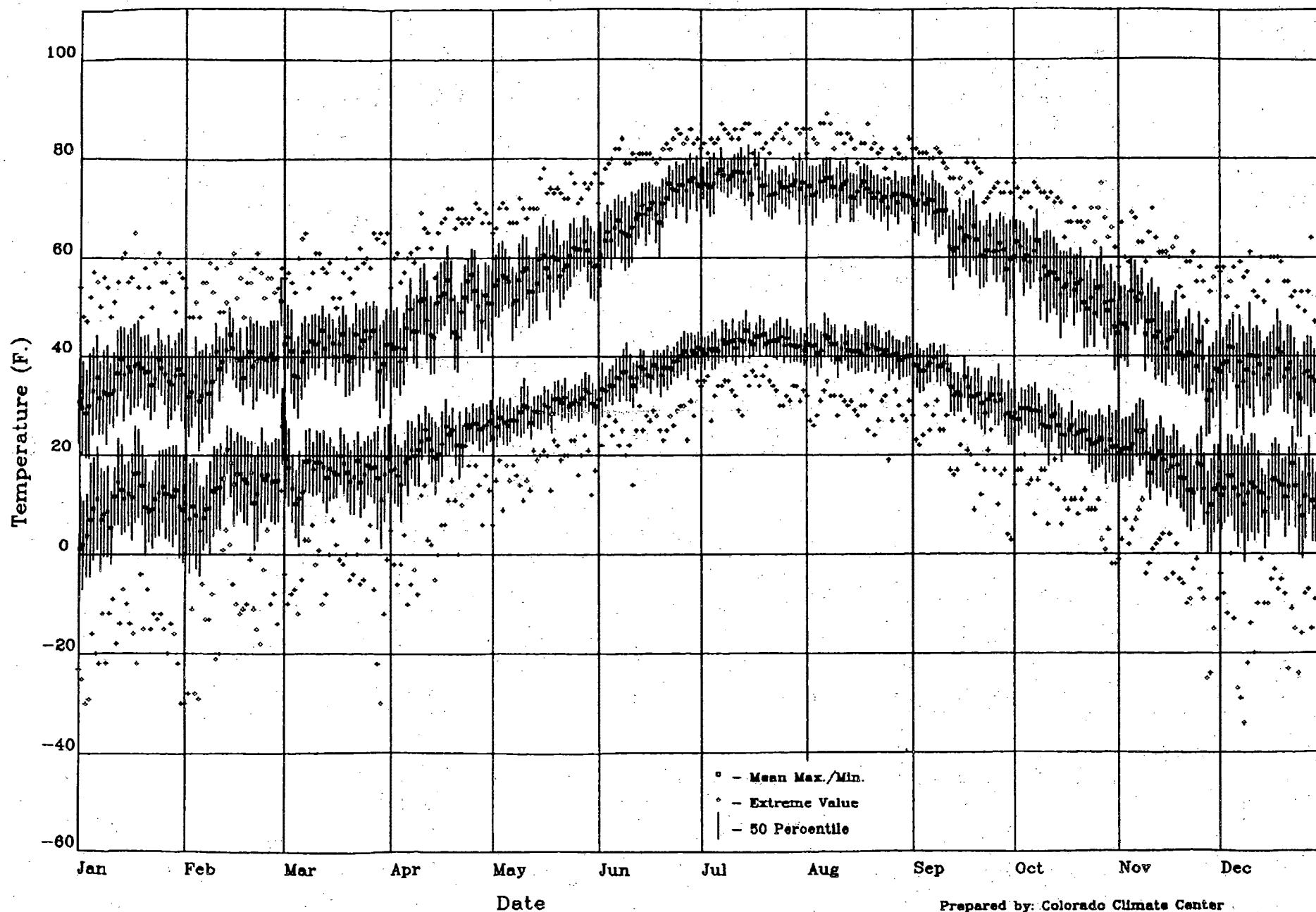
NEDERLAND 2 NNE

Record: 18 years ending in 1987

Lat 39 59

Long 105 30

Elev 8240



Prepared by: Colorado Climate Center

Latitude: 39 59 Longitude: 105 30 Elevation: 8240 Period of Record: 18 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	35.1	37.7	41.9	48.8	57.2	69.1	75.2	73.3	65.3	55.2	43.1	37.1	53.3
Std. Dev.	4.8	2.7	3.0	3.8	3.5	3.0	1.8	1.9	3.0	3.6	2.9	5.1	
Mean Min.	10.2	12.8	16.7	22.4	29.3	37.1	42.6	41.2	33.8	25.4	17.7	12.5	25.1
Std. Dev.	5.5	4.3	4.0	3.5	3.2	3.3	3.0	4.0	3.2	2.7	3.3	5.5	
Num. Yrs.	17	16	15	15	17	18	18	18	18	18	18	18	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	839	691	619	417	219	47	4	7	95	301	578	760	4578
55	994	833	770	561	358	108	17	33	183	446	726	912	5943
57	1056	889	831	620	419	145	31	55	230	507	786	973	6542
60	1149	974	922	708	512	212	70	106	309	599	875	1064	7501
65	1304	1115	1074	855	667	351	187	235	455	754	1025	1217	9237

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	2	58	145	110	28	1	0	0	344
57	0	0	0	0	1	35	97	71	14	0	0	0	218
60	0	0	0	0	0	12	43	28	4	0	0	0	87
65	0	0	0	0	0	1	6	2	0	0	0	0	9
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	3	5	14	51	157	405	592	542	315	115	24	7	2228
45	0	1	2	15	66	267	438	388	190	41	5	2	1417
50	0	0	0	3	18	147	287	240	90	10	1	0	793
55	0	0	0	0	2	58	145	110	28	1	0	0	344
60	0	0	0	0	0	12	43	28	4	0	0	0	87

Corn GDD 6 6 15 58 139 290 393 363 240 122 30 7 1667

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1975	10	19	26	32	37	43	49	55	65	71/1984	17
32	11/1975	28	40	49	56	63	70	77	86	98	100/1977	17
28	20/1975	52	66	75	84	91	99	107	117	131	131/1985	16
24	59/1975	93	105	113	121	128	134	142	150	162	168/1987	16
20	75/1975	112	124	133	140	147	154	162	170	183	179/1980	16
16	135/1975	136	145	152	158	163	169	174	181	190	208/1987	15

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/17/1980	6/20	6/25	6/28	7/ 1	7/ 4	7/ 7	7/10	7/13	7/18	7/19/1975	17
32	6/ 1/1977	6/ 7	6/12	6/16	6/19	6/22	6/25	6/28	7/ 2	7/ 7	7/13/1975	17
28	5/15/1985	5/21	5/27	6/ 1	6/ 5	6/ 9	6/13	6/17	6/21	6/28	7/13/1975	16
24	4/22/1987	4/27	5/ 4	5/ 9	5/14	5/18	5/22	5/26	5/31	6/ 7	6/27/1975	16
20	4/ 6/1971	4/15	4/22	4/27	5/ 2	5/ 6	5/10	5/14	5/19	5/26	6/11/1975	16
16	4/ 4/1986	4/10	4/17	4/22	4/26	4/30	5/ 4	5/ 9	5/14	5/21	6/11/1975	15

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1975	7/19	7/27	8/ 1	8/ 6	8/10	8/15	8/19	8/25	9/ 1	9/12/1983	17
32	7/24/1975	7/31	8/ 8	8/14	8/19	8/24	8/29	9/ 3	9/ 9	9/17	9/17/1981	17
28	8/ 2/1975	8/14	8/22	8/29	9/ 3	9/ 8	9/13	9/19	9/25	10/ 4	10/ 6/1981	16
24	8/21/1980	9/ 1	9/ 9	9/14	9/18	9/22	9/26	10/ 1	10/ 6	10/13	10/18/1981	16
20	8/25/1975	9/ 9	9/17	9/22	9/26	9/30	10/ 4	10/ 8	10/14	10/21	10/23/1972	16
16	9/13/1974	9/17	9/25	10/ 1	10/ 6	10/10	10/15	10/20	10/26	11/ 3	11/16/1987	15

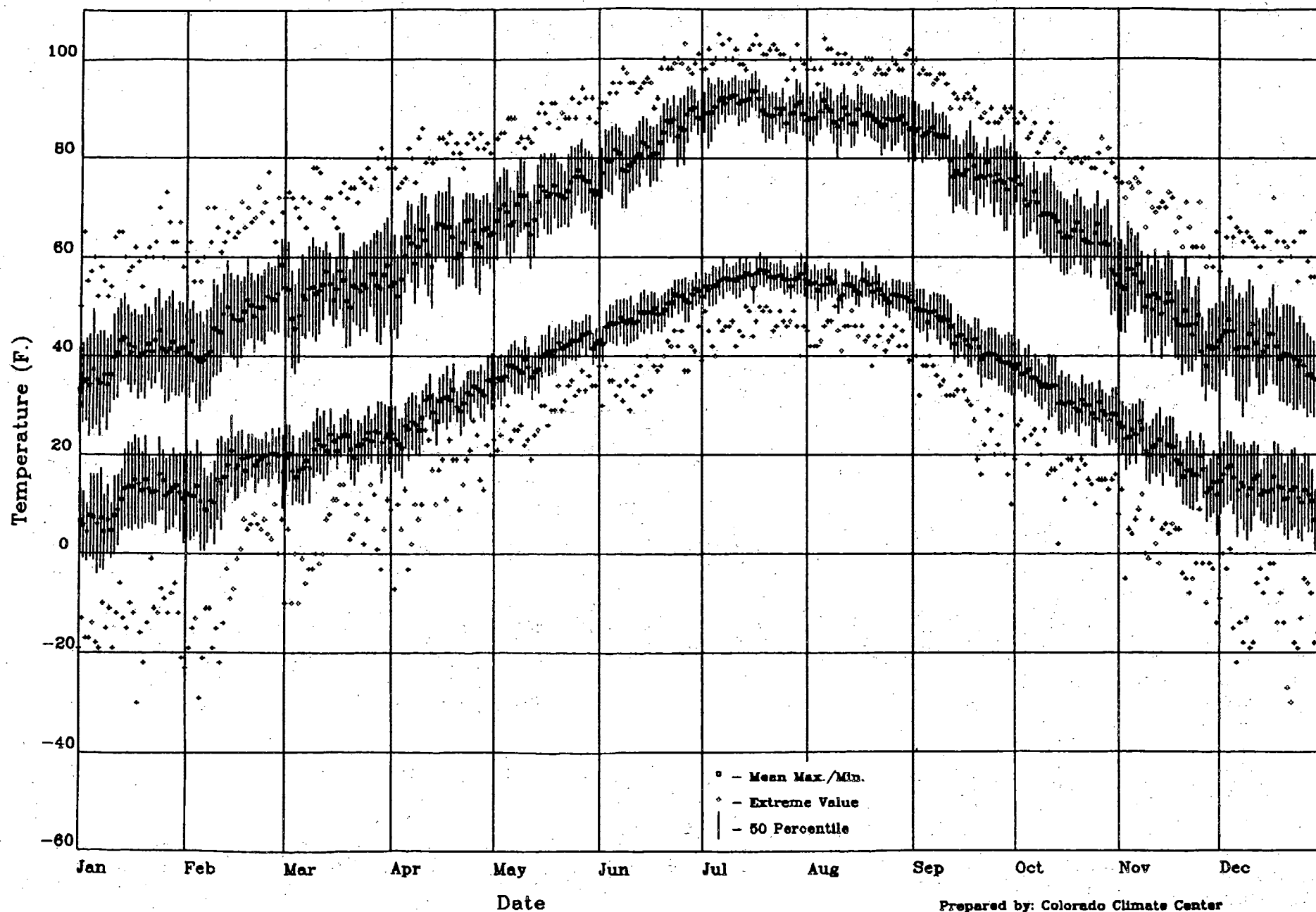
NEW RAYMER

Record: 22 years ending in 1987

Lat 40 36

Long 103 51

Elev 4780



Prepared by: Colorado Climate Center

Latitude: 40 36 Longitude: 103 51 Elevation: 4780

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	39.7	46.6	53.4	62.4	71.8	82.6	90.5	88.2	79.8	66.7	49.4	41.0	64.3
Std. Dev.	5.5	4.6	4.9	4.5	3.9	3.9	2.3	3.1	3.1	4.4	5.0	6.4	
Mean Min.	10.9	16.0	21.5	29.3	39.9	48.8	55.5	53.4	43.9	31.9	19.9	12.9	32.0
Std. Dev.	4.0	3.5	3.0	3.6	2.8	2.2	2.3	1.8	2.8	2.5	3.3	4.7	
Num. Yrs.	20	21	20	19	20	22	22	22	22	22	22	20	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	756	520	390	172	32	1	0	0	14	113	456	704	3158
55	910	661	537	284	81	7	0	0	32	206	602	858	4178
57	972	717	597	336	109	13	1	1	43	253	662	920	4623
60	1065	802	690	418	163	27	1	2	67	331	752	1012	5329
65	1219	943	844	564	282	69	5	11	136	479	902	1167	6620

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	2	18	114	335	563	497	244	38	0	0	1811
57	0	0	1	10	81	281	502	435	196	22	0	0	1528
60	0	0	0	3	43	204	409	344	129	8	0	0	1141
65	0	0	0	0	8	96	259	198	49	1	0	0	611
70	0	0	0	0	0	30	121	78	12	0	0	0	241

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	9	22	85	225	496	778	1026	960	665	319	58	14	4657
45	1	5	33	125	349	628	872	806	519	195	20	3	3555
50	0	1	9	56	219	479	717	651	377	100	4	0	2612
55	0	0	2	18	114	335	563	497	244	38	0	0	1811
60	0	0	0	3	43	204	409	344	129	8	0	0	1141

Corn GDD 21 47 111 204 335 484 630 590 443 269 77 27 3238

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	90/1973	90	97	102	106	109	113	117	122	129	148/1987	18
32	104/1974	106	114	120	125	129	134	139	145	153	171/1987	17
28	126/1983	134	140	144	147	150	153	157	161	167	171/1987	17
24	131/1983	145	155	162	168	173	179	185	192	202	204/1972	16
20	131/1983	154	166	174	182	189	195	203	211	223	235/1978	15
16	154/1984	173	184	191	197	203	209	216	223	234	235/1978	15

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	4/23/1987	5/11	5/17	5/22	5/26	5/30	6/ 3	6/ 7	6/11	6/18	6/16/1981	18
32	4/22/1977	4/29	5/ 5	5/10	5/14	5/18	5/21	5/25	5/30	6/ 5	6/14/1969	17
28	4/21/1977	4/24	4/27	4/30	5/ 2	5/ 4	5/ 6	5/ 8	5/11	5/15	5/17/1976	17
24	4/ 3/1976	4/ 4	4/10	4/15	4/19	4/23	4/26	4/30	5/ 5	5/11	5/13/1966	16
20	3/16/1978	3/25	3/31	4/ 5	4/ 8	4/12	4/16	4/20	4/24	4/30	5/12/1983	15
16	3/ 5/1985	3/16	3/23	3/27	3/31	4/ 4	4/ 7	4/11	4/16	4/22	4/28/1984	15

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/ 3/1973	9/ 7	9/10	9/13	9/15	9/16	9/18	9/20	9/22	9/25	10/ 4/1969	18
32	9/ 3/1974	9/13	9/17	9/19	9/22	9/24	9/26	9/29	10/ 2	10/ 5	10/10/1987	17
28	9/19/1971	9/20	9/24	9/27	9/29	10/ 1	10/ 4	10/ 6	10/ 9	10/13	10/17/1981	17
24	9/20/1983	9/26	10/ 2	10/ 6	10/10	10/13	10/17	10/20	10/25	10/31	11/ 2/1973	16
20	9/20/1983	9/28	10/ 5	10/10	10/14	10/18	10/22	10/26	10/31	11/ 7	11/ 6/1978	15
16	9/21/1983	10/ 1	10/ 9	10/15	10/19	10/24	10/29	11/ 2	11/ 8	11/16	11/20/1973	15

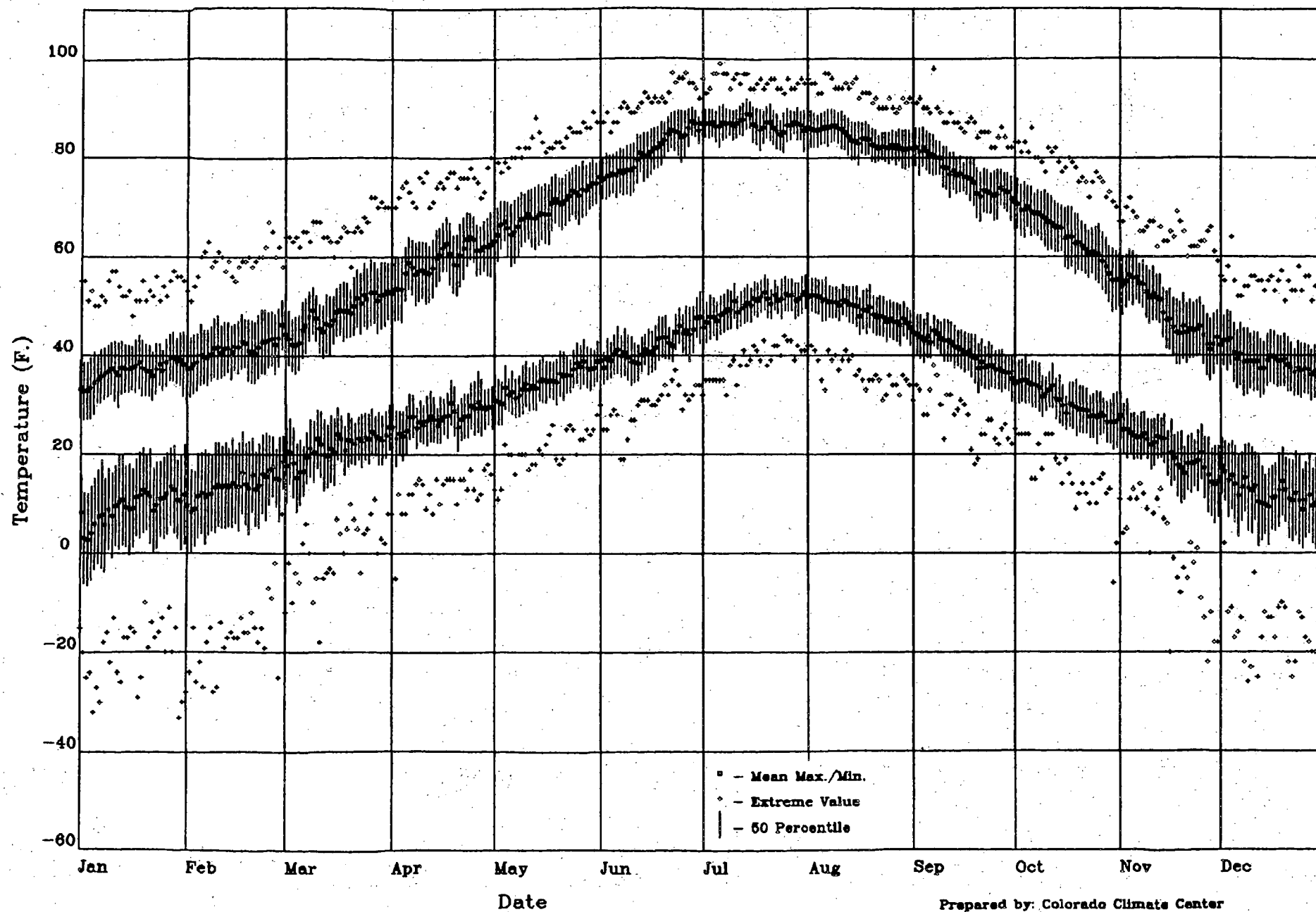
NORTHDALE

Record: 40 years ending in 1987

Lat 37 49

Long 109 2

Elev 6680



Prepared by: Colorado Climate Center

Latitude: 37 49 Longitude: 109 2 Elevation: 6680 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	36.8	41.1	48.2	59.1	69.4	81.1	86.6	83.9	76.5	64.2	48.8	38.7	61.2
Std. Dev.	4.3	4.4	4.2	3.8	3.4	3.0	1.7	2.1	3.0	4.1	4.2	4.3	
Mean Min.	9.4	13.5	21.5	27.4	34.7	41.9	50.2	49.2	40.5	30.5	20.5	12.1	29.3
Std. Dev.	6.1	6.6	3.6	2.0	1.8	2.0	1.8	2.5	2.4	2.5	3.3	4.3	
Num. Yrs.	39	38	38	38	38	38	38	40	40	40	40	40	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	826	633	462	212	52	2	0	0	6	119	455	754	3521
55	980	774	617	348	125	12	0	0	27	238	604	909	4634
57	1042	830	679	407	167	22	0	1	44	295	664	971	5122
60	1135	915	772	496	244	48	0	3	84	385	754	1064	5901
65	1290	1056	927	646	392	127	9	28	196	539	904	1218	7333

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	2	41	212	423	365	139	9	0	0	1190
57	0	0	0	0	22	163	361	304	96	3	0	0	949
60	0	0	0	0	7	99	268	213	47	1	0	0	634
65	0	0	0	0	1	30	122	83	8	0	0	0	244
70	0	0	0	0	0	5	26	14	1	0	0	0	46

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	4	32	145	382	646	887	830	562	252	29	1	3770
45	0	0	5	60	241	498	732	675	413	129	4	0	2758
50	0	0	0	15	123	351	577	520	268	45	0	0	1900
55	0	0	0	2	41	212	423	365	139	9	0	0	1190
60	0	0	0	0	7	99	268	213	47	1	0	0	634

Corn GDD 2 9 44 151 300 456 568 538 399 226 49 4 2747

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	41/1976	54	62	67	72	76	80	85	90	97	101/1981	35
32	66/1965	76	84	89	94	98	103	108	113	121	132/1985	34
28	92/1961	106	114	120	125	130	134	139	145	153	161/1949	34
24	107/1962	128	137	143	148	153	158	163	170	178	185/1973	32
20	143/1954	153	162	168	174	179	184	190	196	205	242/1978	32
16	169/1955	179	188	195	200	206	211	217	224	233	259/1978	32

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/ 9/1982	6/11	6/15	6/18	6/20	6/22	6/25	6/27	6/30	7/ 3	7/11/1963	35
32	5/15/1985	5/27	6/ 1	6/ 5	6/ 9	6/12	6/15	6/18	6/22	6/28	7/ 8/1955	34
28	4/17/1952	5/ 3	5/10	5/14	5/18	5/22	5/25	5/29	6/ 2	6/ 9	6/11/1954	34
24	4/15/1949	4/21	4/27	5/ 1	5/ 5	5/ 8	5/12	5/16	5/20	5/26	6/ 9/1950	32
20	3/20/1978	4/ 6	4/14	4/20	4/24	4/29	5/ 3	5/ 8	5/14	5/21	6/ 8/1950	32
16	3/14/1949	3/24	3/31	4/ 4	4/ 8	4/12	4/16	4/20	4/24	5/ 1	5/ 7/1981	32

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	8/ 5/1976	8/20	8/26	8/30	9/ 3	9/ 6	9/10	9/14	9/18	9/24	9/29/1963	35
32	8/23/1968	9/ 4	9/ 9	9/12	9/15	9/18	9/21	9/24	9/28	10/ 3	10/14/1954	34
28	9/ 4/1961	9/14	9/19	9/22	9/25	9/28	10/ 1	10/ 4	10/ 8	10/13	10/30/1972	34
24	9/10/1962	9/23	9/28	10/ 2	10/ 6	10/ 9	10/12	10/15	10/19	10/25	11/ 2/1965	32
20	9/19/1971	10/ 8	10/14	10/18	10/21	10/25	10/28	11/ 1	11/ 5	11/11	11/17/1974	32
16	10/ 6/1955	10/18	10/24	10/28	10/31	11/ 4	11/ 7	11/10	11/14	11/20	11/30/1978	32

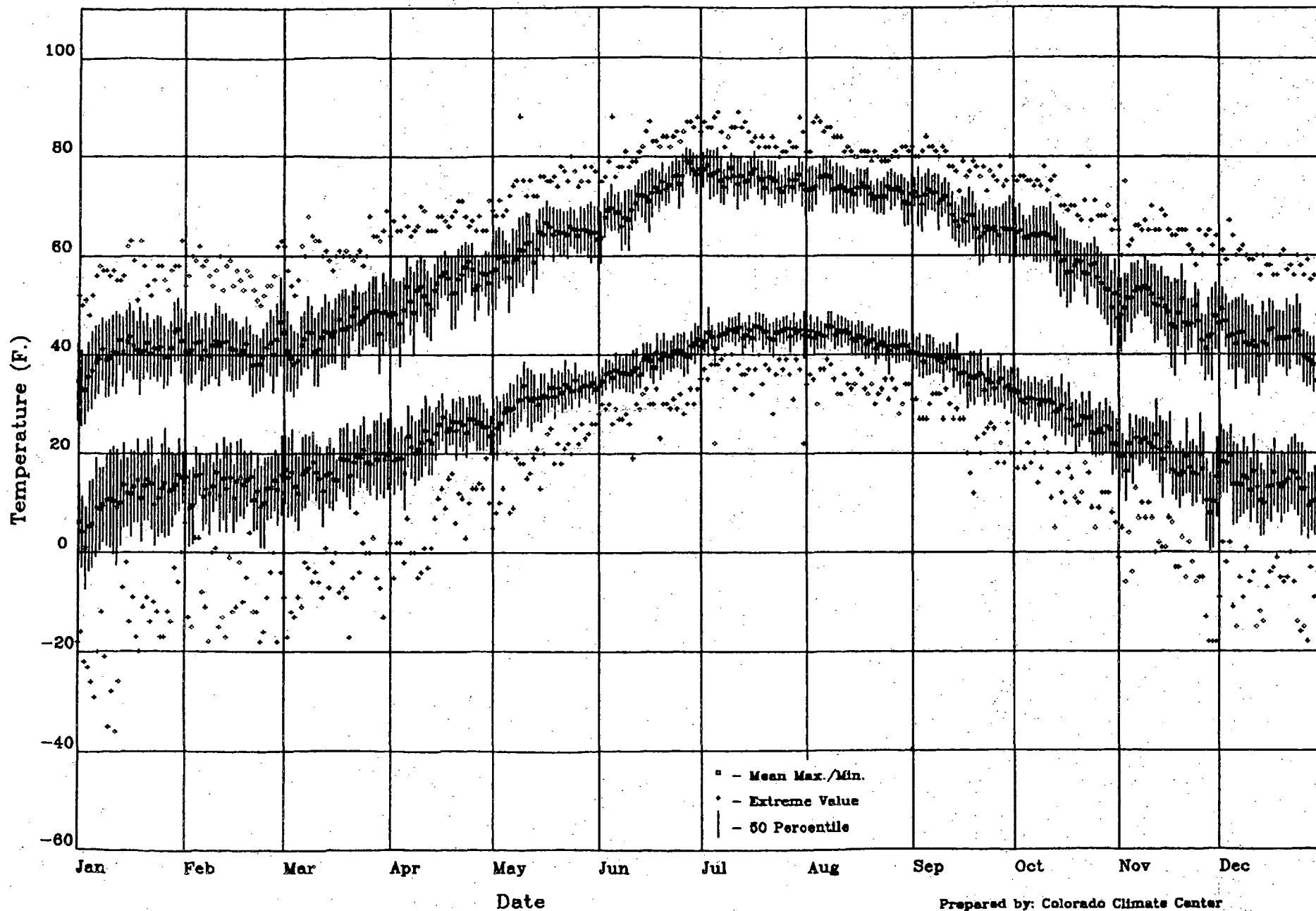
NORTH LAKE

Record: 23 years ending in 1981

Lat 37 13

Long 105 3

Elev 8800



Prepared by: Colorado Climate Center

Temperature Summary for NORTH LAKE

55990

Prepared by: Colorado Climate Center

Latitude: 37 13 Longitude: 105 3 Elevation: 8800 Period of Record: 34 years ending in 1981

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	40.1	41.0	44.7	53.0	62.5	71.8	75.6	73.4	68.2	59.6	48.7	42.5	56.8
Std. Dev.	2.8	3.8	4.5	3.1	2.8	2.8	2.5	2.8	2.7	3.4	4.2	3.4	
Mean Min.	10.8	13.2	17.1	23.5	31.3	38.3	44.2	43.0	36.7	27.9	18.3	13.7	26.5
Std. Dev.	5.2	4.5	3.7	3.1	2.3	2.2	1.8	2.3	2.4	2.7	4.0	3.8	
Num. Yrs.	22	21	22	21	22	21	20	21	22	21	20	21	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	744	633	583	343	127	16	1	1	38	202	480	670	3838
55	897	772	738	488	248	59	6	14	106	340	628	824	5120
57	958	828	800	547	306	91	14	30	148	401	687	886	5695
60	1050	912	892	636	397	155	42	75	223	493	775	979	6629
65	1203	1051	1047	784	552	291	155	203	368	647	923	1133	8356

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	6	69	164	120	38	2	0	0	398
57	0	0	0	0	2	41	111	75	20	0	0	0	248
60	0	0	0	0	0	15	47	27	5	0	0	0	94
65	0	0	0	0	0	1	5	1	0	0	0	0	7
70	0	0	0	0	0	0	1	0	0	0	0	0	1

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	4	4	17	69	239	459	621	569	385	170	26	8	2571
45	0	0	3	21	120	312	467	415	244	73	4	1	1660
50	0	0	1	3	39	175	313	262	120	18	0	0	930
55	0	0	0	0	6	69	164	120	38	2	0	0	398
60	0	0	0	0	0	15	47	27	5	0	0	0	94

Corn GDD	9	8	27	84	202	327	397	362	275	164	50	17	1924
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Growing Season

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1960	15	26	33	40	46	52	58	65	76	84/1959	17
32	26/1971	39	51	60	68	75	82	89	98	111	115/1969	17
28	26/1971	74	87	97	105	113	121	129	139	152	147/1963	17
24	26/1971	89	103	114	122	130	139	147	158	172	160/1972	15
20	111/1975	130	138	143	147	152	156	160	166	173	171/1960	14
16	154/1967	159	166	172	176	180	185	189	194	202	201/1974	13

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/ 6/1961	6/13	6/19	6/22	6/25	6/28	7/ 1	7/ 4	7/ 8	7/13	7/19/1960	17
32	5/31/1972	6/ 3	6/ 8	6/12	6/15	6/18	6/21	6/24	6/28	7/ 3	7/16/1960	17
28	5/ 7/1959	5/ 6	5/13	5/18	5/22	5/26	5/30	6/ 4	6/ 9	6/16	7/ 5/1971	17
24	5/ 5/1959	4/29	5/ 7	5/12	5/17	5/22	5/26	5/31	6/ 5	6/13	7/ 5/1971	15
20	4/17/1961	4/21	4/27	5/ 1	5/ 5	5/ 9	5/12	5/16	5/20	5/26	6/11/1975	14
16	3/27/1969	4/ 9	4/16	4/20	4/24	4/27	5/ 1	5/ 4	5/ 9	5/15	5/15/1967	13

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1960	7/21	7/29	8/ 3	8/ 8	8/13	8/17	8/22	8/28	9/ 5	9/19/1976	17
32	7/28/1975	8/ 5	8/14	8/21	8/26	9/ 1	9/ 6	9/12	9/19	9/28	10/ 5/1969	17
28	7/31/1971	8/25	9/ 2	9/ 7	9/12	9/16	9/21	9/25	10/ 1	10/ 9	10/14/1963	17
24	7/31/1971	9/ 5	9/13	9/19	9/24	9/29	10/ 4	10/ 9	10/15	10/23	10/21/1972	15
20	9/19/1978	9/25	9/29	10/ 2	10/ 5	10/ 7	10/10	10/12	10/15	10/20	10/24/1972	14
16	10/ 8/1970	10/11	10/16	10/19	10/22	10/24	10/27	10/30	11/ 2	11/ 7	11/12/1964	13

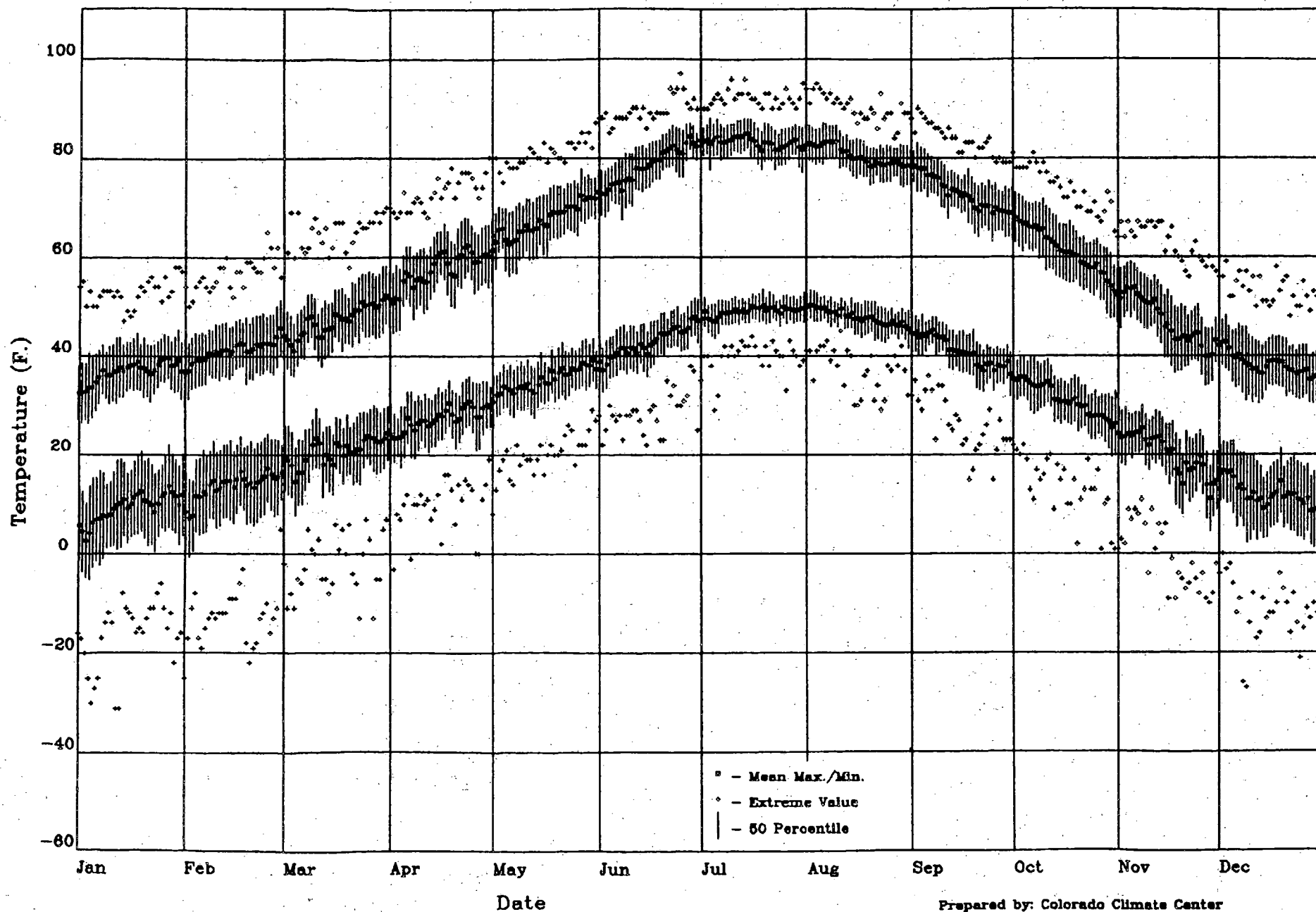
NORWOOD

Record: 40 years ending in 1987

Lat 38 8

Long 108 17

Elev 7020



Latitude: 38 8 Longitude: 108 17 Elevation: 7020

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	36.8	40.9	47.2	57.4	67.2	78.3	83.2	80.5	73.1	61.6	47.1	38.0	59.3
Std. Dev.	3.8	4.1	3.8	3.5	3.1	3.0	2.1	2.0	3.1	3.9	4.1	3.4	
Mean Min.	9.3	13.7	20.7	27.3	35.1	42.7	49.0	47.8	41.0	31.2	20.1	11.9	29.2
Std. Dev.	5.4	5.6	3.5	3.6	3.0	2.7	1.8	1.8	2.3	2.9	3.2	4.3	
Num. Yrs.	38	39	39	39	38	38	38	39	39	40	40	39	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	824	632	486	232	66	5	0	0	13	145	473	763	3636
55	978	772	638	364	145	21	0	1	40	262	619	916	4757
57	1040	828	699	421	189	34	1	2	60	318	678	978	5249
60	1132	913	791	509	267	64	2	9	109	407	766	1070	6039
65	1287	1053	945	656	412	146	23	54	230	559	912	1224	7501

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	2	37	191	345	290	106	7	0	0	978
57	0	0	0	1	20	146	284	230	68	3	0	0	751
60	0	0	0	0	7	87	195	145	29	0	0	0	462
65	0	0	0	0	1	22	65	36	3	0	0	0	127
70	0	0	0	0	0	2	5	3	0	0	0	0	10

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	3	29	138	352	613	799	749	505	229	26	1	3444
45	0	0	7	59	218	466	647	596	361	118	4	0	2476
50	0	0	1	17	109	323	496	443	225	42	0	0	1654
55	0	0	0	2	37	191	345	290	106	7	0	0	978
60	0	0	0	0	7	87	195	145	29	0	0	0	462

Corn GDD 2 6 35 129 265 420 508 476 338 186 37 2 2404

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	42/1971	56	65	71	77	82	87	93	100	109	116/1953	24
32	54/1968	77	85	92	97	102	107	112	119	127	130/1966	23
28	98/1983	105	114	121	127	132	137	143	150	159	167/1987	17
24	116/1950	119	130	138	145	151	157	164	172	183	204/1987	13
20	122/1971	141	153	161	168	174	181	188	196	207	219/1985	13
16	149/1970	161	172	180	187	193	200	206	214	225	231/1987	13

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/ 3/1953	6/ 4	6/ 8	6/12	6/14	6/17	6/19	6/22	6/25	6/29	7/ 6/1982	24
32	5/12/1961	5/21	5/27	6/ 1	6/ 5	6/ 9	6/13	6/17	6/21	6/28	7/ 6/1982	23
28	4/28/1969	5/ 4	5/10	5/15	5/19	5/23	5/26	5/30	6/ 4	6/10	6/14/1983	17
24	4/21/1987	4/21	4/28	5/ 2	5/ 6	5/10	5/14	5/18	5/22	5/29	6/ 8/1950	13
20	3/31/1954	4/ 8	4/15	4/20	4/24	4/28	5/ 1	5/ 6	5/10	5/17	5/19/1971	13
16	3/30/1987	4/ 1	4/ 5	4/ 9	4/12	4/14	4/17	4/20	4/23	4/28	4/29/1970	13

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/26/1971	8/16	8/24	8/29	9/ 3	9/ 7	9/11	9/16	9/21	9/29	9/27/1953	24
32	8/17/1960	9/ 2	9/ 8	9/12	9/15	9/19	9/22	9/26	9/30	10/ 6	10/13/1963	23
28	9/12/1951	9/18	9/23	9/26	9/29	10/ 1	10/ 4	10/ 7	10/10	10/15	10/21/1958	17
24	9/18/1971	9/19	9/25	9/30	10/ 4	10/ 8	10/12	10/16	10/21	10/27	11/11/1987	13
20	9/18/1971	9/25	10/ 4	10/ 9	10/14	10/19	10/24	10/29	11/ 3	11/11	11/13/1987	13
16	9/18/1971	9/29	10/ 8	10/14	10/20	10/24	10/29	11/ 4	11/10	11/18	11/20/1953	13

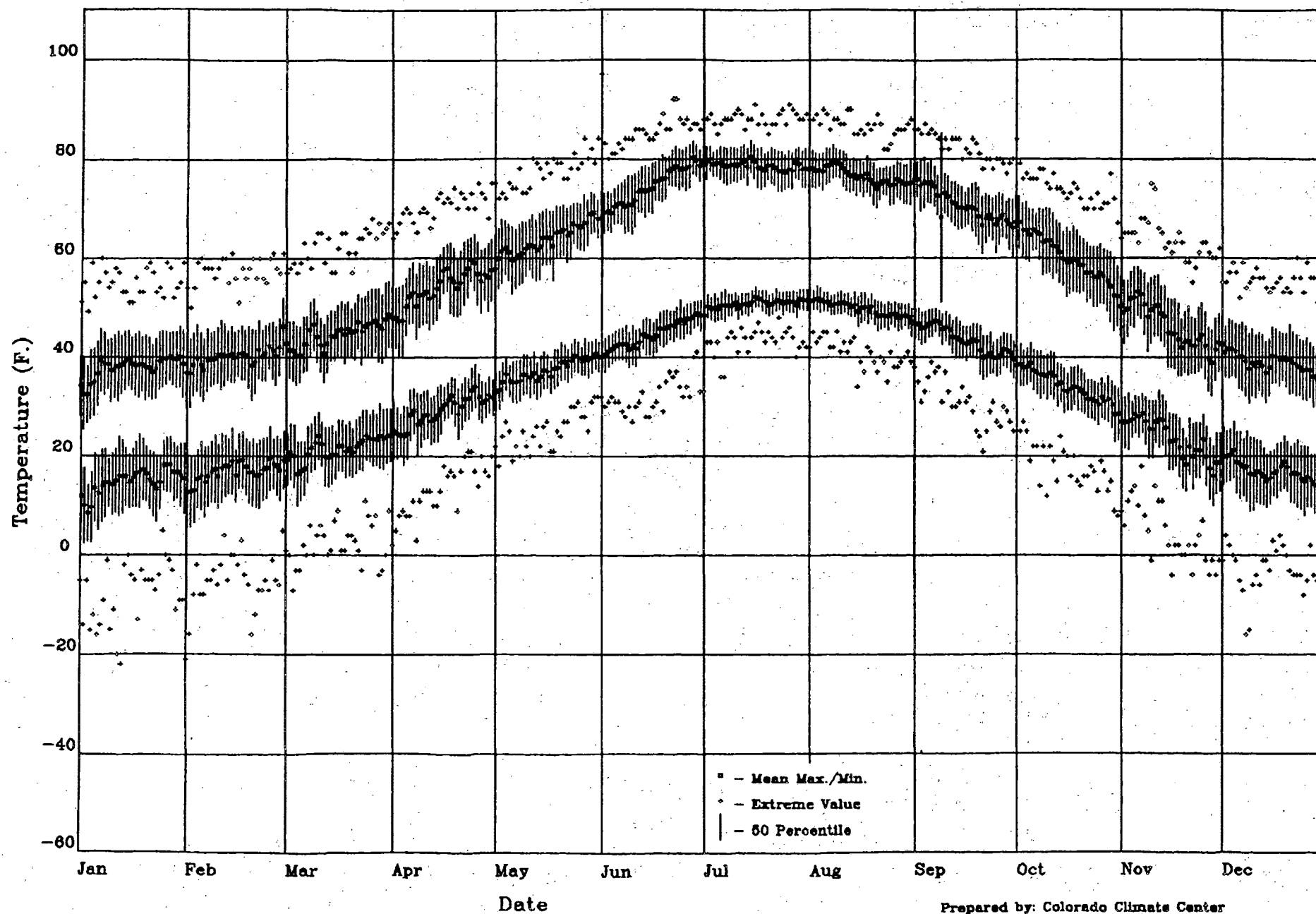
OURAY

Record: 39 years ending in 1987

Lat 38 1

Long 107 40

Elev 7840



Prepared by: Colorado Climate Center

Latitude: 38 1 Longitude: 107 40 Elevation: 7840 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	37.8	39.9	44.6	54.1	63.8	74.3	78.6	76.6	70.6	60.3	46.3	38.9	57.1
Std. Dev.	3.6	3.5	3.7	3.7	3.3	3.1	2.3	2.2	3.5	4.3	4.0	3.5	
Mean Min.	14.9	16.8	21.6	29.2	37.3	44.5	50.8	49.7	43.4	34.1	23.5	16.8	31.9
Std. Dev.	3.3	4.3	3.3	2.8	1.9	2.0	1.4	1.7	1.7	2.7	3.5	3.1	
Num. Yrs.	37	38	39	37	38	39	39	39	39	39	39	39	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	725	605	514	257	75	6	0	0	16	136	447	678	3459
55	880	746	668	394	157	26	0	1	43	245	596	833	4591
57	942	802	730	453	204	42	1	4	65	300	656	895	5094
60	1035	887	822	543	288	77	5	13	113	389	746	988	5906
65	1190	1028	976	693	439	173	44	74	235	544	896	1143	7435

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	1	27	165	308	261	112	11	0	0	886
57	0	0	0	0	12	121	247	202	73	4	0	0	659
60	0	0	0	0	3	66	158	119	32	0	0	0	378
65	0	0	0	0	0	12	42	25	4	0	0	0	82
70	0	0	0	0	0	0	2	1	0	0	0	0	4

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	3	5	26	130	341	589	773	725	521	260	44	3	3419
45	0	0	5	53	207	440	618	570	374	142	11	0	2420
50	0	0	0	14	98	295	463	415	234	57	1	0	1578
55	0	0	0	1	27	165	308	261	112	11	0	0	886
60	0	0	0	0	3	66	158	119	32	0	0	0	378
Corn GDD	4	6	23	97	219	369	469	432	315	176	36	5	2150

Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	54/1968	78	86	91	96	100	105	109	115	122	127/1977	35	
32	77/1985	96	105	112	117	123	128	134	141	150	171/1958	35	
28	98/1983	125	134	140	145	150	155	160	167	175	186/1963	35	
24	136/1978	152	160	166	171	176	181	186	192	200	221/1965	34	
20	158/1986	174	182	188	193	198	203	208	214	222	233/1962	34	
16	162/1970	187	197	204	210	215	221	227	234	243	249/1954	34	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/17/1958	5/24	5/30	6/ 2	6/ 6	6/ 9	6/12	6/15	6/19	6/25	7/ 7/1982	35	
32	5/ 3/1958	5/10	5/17	5/21	5/25	5/29	6/ 2	6/ 6	6/10	6/17	6/27/1985	35	
28	4/22/1959	4/25	5/ 1	5/ 5	5/ 9	5/13	5/16	5/20	5/24	5/30	6/15/1981	35	
24	4/ 1/1954	4/11	4/16	4/20	4/24	4/27	4/30	5/ 4	5/ 8	5/14	5/20/1960	34	
20	3/26/1969	3/31	4/ 6	4/ 9	4/12	4/15	4/18	4/22	4/25	4/30	5/11/1953	34	
16	3/ 8/1967	3/19	3/25	3/29	4/ 2	4/ 5	4/ 8	4/12	4/16	4/22	4/29/1970	34	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	8/15/1978	9/ 3	9/ 8	9/12	9/15	9/17	9/20	9/23	9/27	10/ 1	10/14/1963	35	
32	9/ 3/1961	9/11	9/17	9/22	9/25	9/29	10/ 2	10/ 6	10/10	10/16	10/27/1963	35	
28	9/19/1971	9/24	9/29	10/ 3	10/ 7	10/10	10/13	10/16	10/20	10/26	11/ 1/1963	35	
24	9/20/1978	10/ 4	10/10	10/14	10/17	10/20	10/23	10/27	10/31	11/ 5	11/22/1965	34	
20	10/ 5/1969	10/14	10/20	10/24	10/27	10/30	11/ 2	11/ 6	11/10	11/15	11/26/1965	34	
16	10/ 8/1970	10/20	10/26	10/30	11/ 3	11/ 6	11/10	11/13	11/18	11/24	11/27/1965	34	

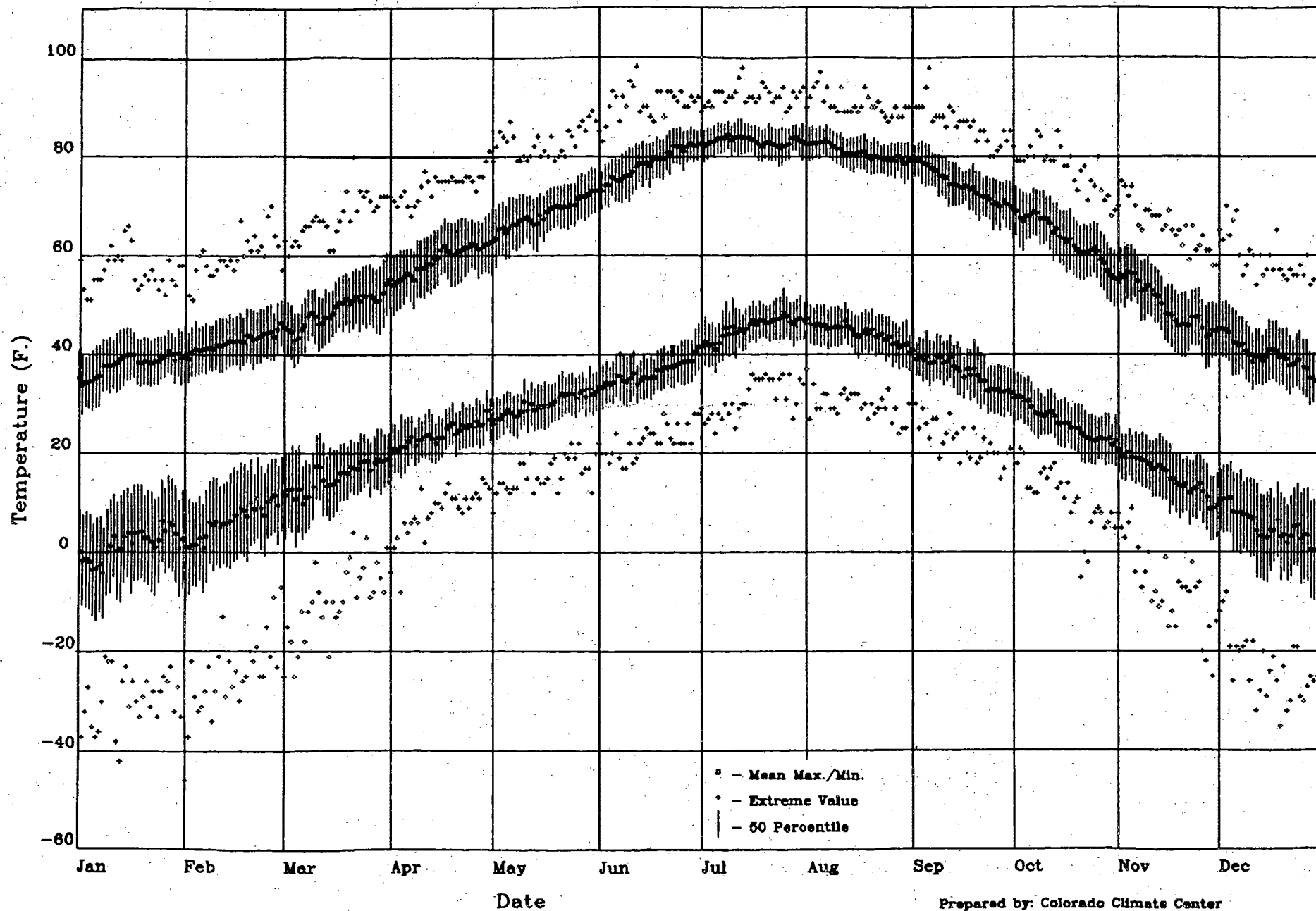
PAGOSA SPRINGS

Record: 59 years ending in 1987

Lat 37 16

Long 107 1

Elev 7240



Latitude: 37 16 Longitude: 107 1 Elevation: 7240 Period of Record: 83 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	38.0	42.4	48.8	59.2	68.3	78.5	83.0	80.8	74.2	63.6	49.9	39.7	60.5
Std. Dev.	3.7	3.7	4.4	3.5	3.1	2.7	2.4	2.2	3.0	4.1	4.2	4.9	
Mean Min.	1.6	6.5	15.3	23.9	29.9	36.3	45.3	44.5	36.5	26.5	15.6	5.3	23.9
Std. Dev.	5.5	5.8	4.3	2.5	2.5	2.9	3.5	3.1	3.0	3.2	3.4	5.1	
Num. Yrs.	59	59	59	54	54	58	56	55	56	51	55	56	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	917	701	536	247	74	5	0	0	12	163	498	831	3985
55	1070	839	688	391	181	30	1	1	52	300	645	984	5182
57	1132	895	749	450	236	51	2	3	82	359	704	1045	5708
60	1223	978	840	539	324	100	7	15	146	450	791	1137	6552
65	1377	1117	992	687	476	221	53	83	281	602	938	1290	8116

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	10	106	289	241	69	2	0	0	717
57	0	0	0	0	4	69	229	183	40	1	0	0	525
60	0	0	0	0	1	30	143	103	15	0	0	0	291
65	0	0	0	0	0	4	35	19	2	0	0	0	59
70	0	0	0	0	0	0	4	1	0	0	0	0	6

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	1	12	104	290	517	747	697	462	182	11	1	3023
45	0	0	1	31	155	370	594	545	316	75	1	0	2088
50	0	0	0	4	55	228	441	393	177	18	0	0	1316
55	0	0	0	0	10	106	289	241	69	2	0	0	717
60	0	0	0	0	1	30	143	103	15	0	0	0	291

Corn GDD	3	9	46	149	281	415	509	472	359	213	56	8	2521
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	0/1950	13	23	31	37	43	49	55	62	72	88/1963	46	
32	22/1913	36	47	55	61	68	74	80	88	99	112/1984	40	
28	28/1913	59	71	80	88	95	102	110	118	131	145/1979	35	
24	67/1912	99	109	116	123	128	134	140	148	158	160/1981	26	
20	119/1939	126	135	141	146	151	156	162	168	177	196/1985	21	
16	142/1911	155	165	172	178	184	190	196	203	213	220/1985	18	

Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	6/15/1940	6/23	6/26	6/29	7/ 2	7/ 4	7/ 6	7/ 8	7/11	7/15	7/19/1950	46	
32	5/26/1986	6/12	6/17	6/20	6/23	6/26	6/29	7/ 2	7/ 5	7/10	7/14/1948	40	
28	5/10/1984	5/22	5/30	6/ 4	6/ 8	6/12	6/16	6/21	6/26	7/ 3	7/11/1915	35	
24	5/ 7/1982	5/ 5	5/12	5/16	5/21	5/25	5/29	6/ 2	6/ 7	6/14	7/ 5/1912	26	
20	4/ 2/1985	4/21	4/28	5/ 3	5/ 7	5/11	5/15	5/19	5/24	5/31	6/ 8/1939	21	
16	3/25/1943	4/ 2	4/10	4/15	4/20	4/25	4/29	5/ 4	5/10	5/18	5/27/1911	18	

Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	7/19/1950	7/22	7/31	8/ 6	8/11	8/16	8/20	8/26	9/ 1	9/ 9	9/26/1963	46	
32	7/23/1973	8/ 9	8/17	8/23	8/28	9/ 2	9/ 6	9/11	9/17	9/25	9/30/1984	40	
28	7/28/1913	8/24	9/ 1	9/ 6	9/11	9/15	9/19	9/24	9/29	10/ 7	10/10/1981	35	
24	9/ 6/1910	9/14	9/20	9/24	9/27	9/30	10/ 3	10/ 7	10/11	10/16	10/21/1981	26	
20	9/ 9/1941	9/23	9/29	10/ 3	10/ 6	10/ 9	10/12	10/16	10/20	10/25	10/29/1940	21	
16	10/ 6/1910	10/12	10/17	10/20	10/23	10/26	10/29	11/ 1	11/ 4	11/ 9	11/14/1939	18	

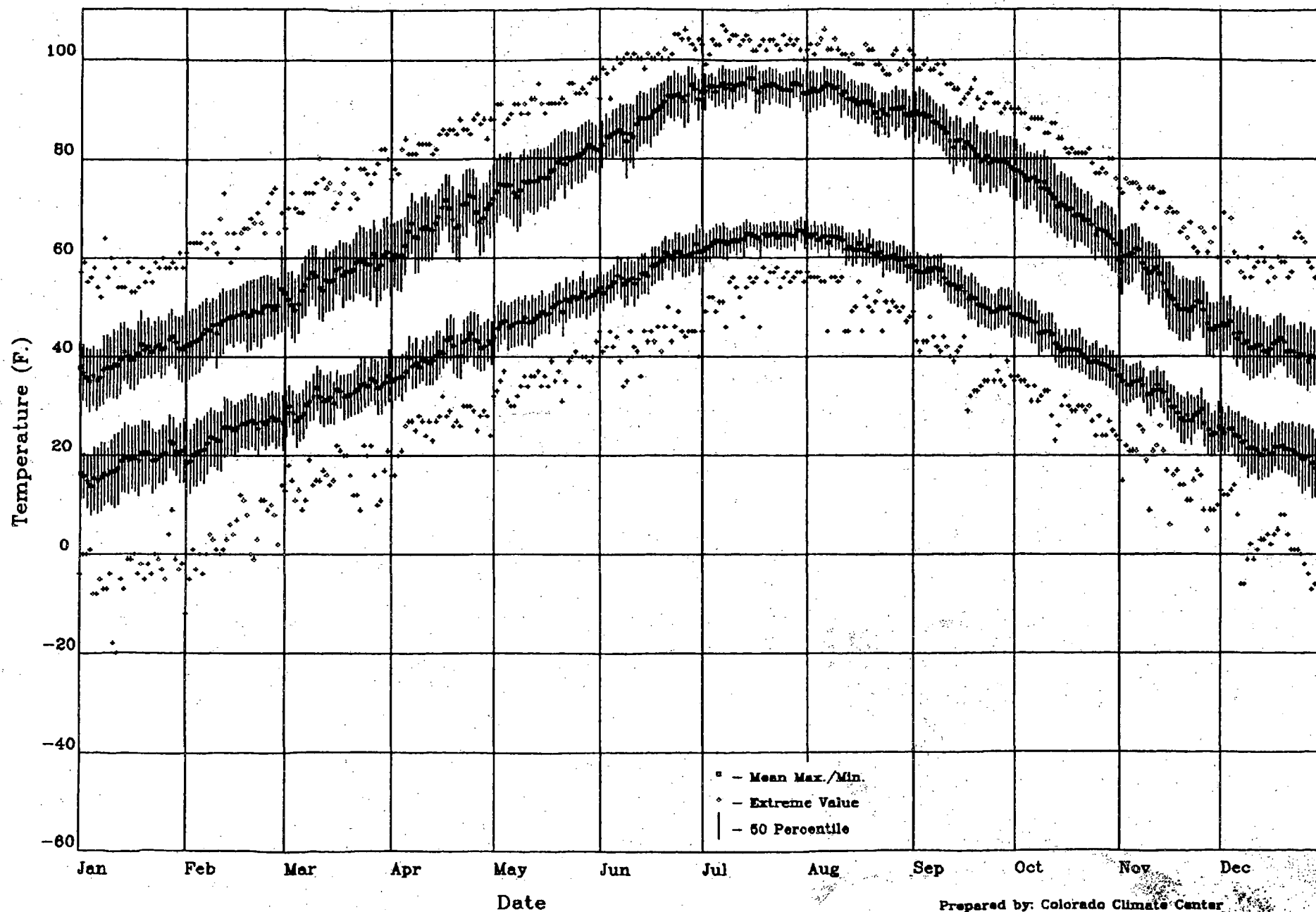
PALISADE

Record: 39 years ending in 1987

Lat 39 7

Long 108 21

Elev 4800



Prepared by: Colorado Climate Center

Latitude: 39 7 Longitude: 108 21 Elevation: 4800

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	39.7	47.2	56.2	66.9	77.1	88.5	94.6	91.7	83.4	70.6	53.7	42.3	67.6
Std. Dev.	5.4	5.7	4.1	4.0	3.5	3.7	1.8	2.4	3.6	4.4	3.9	4.4	
Mean Min.	18.4	24.5	32.1	40.3	49.1	57.7	63.9	61.8	53.3	42.3	30.6	21.4	41.3
Std. Dev.	5.6	5.0	3.2	2.5	2.2	2.3	2.1	2.0	2.7	2.4	2.7	4.2	
Num. Yrs.	38	38	38	38	38	38	37	38	39	39	38	38	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	639	392	206	54	5	0	0	0	1	30	243	556	2126
55	793	531	336	118	21	1	0	0	6	74	377	711	2967
57	855	586	393	152	32	2	0	0	9	102	435	773	3338
60	947	670	483	214	57	4	0	0	16	154	524	866	3934
65	1102	810	635	340	122	15	0	1	42	269	673	1021	5029

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	9	83	276	545	747	679	411	126	2	0	2881
57	0	0	5	57	226	487	686	618	354	92	1	0	2526
60	0	0	2	30	158	400	595	525	272	51	0	0	2032
65	0	0	0	6	69	263	442	371	148	12	0	0	1311
70	0	0	0	0	17	143	290	222	57	1	0	0	731

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	7	47	183	417	718	990	1206	1143	854	517	136	15	6233
45	0	13	90	282	565	841	1053	989	705	370	60	3	4972
50	0	2	34	168	415	693	900	834	556	236	17	1	3856
55	0	0	9	83	276	545	747	679	411	126	2	0	2881
60	0	0	2	30	158	400	595	525	272	51	0	0	2032

Corn GDD	7	36	121	260	444	621	759	727	539	326	92	12	3946
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	120/1971	133	141	147	152	157	162	167	173	181	189/1962	24	
32	133/1968	158	167	173	178	183	188	193	200	208	216/1985	24	
28	181/1986	193	201	206	210	214	218	223	228	235	247/1962	22	
24	193/1950	206	216	223	230	236	242	248	255	266	296/1968	19	
20	233/1987	231	241	249	255	261	267	274	281	291	325/1980	16	
16	240/1955	236	253	266	276	286	296	306	318	335	365/1980	11	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	4/21/1987	4/22	4/28	5/ 1	5/ 5	5/ 8	5/11	5/14	5/18	5/23	6/13/1976	24	
32	4/ 5/1985	4/ 6	4/11	4/14	4/17	4/20	4/23	4/26	4/29	5/ 4	5/21/1971	24	
28	3/16/1962	3/23	3/28	3/31	4/ 3	4/ 6	4/ 9	4/12	4/16	4/21	4/30/1950	22	
24	2/ 4/1968	2/27	3/ 6	3/12	3/17	3/21	3/26	3/30	4/ 5	4/13	4/30/1950	19	
20	2/ 1/1968	2/16	2/22	2/27	3/ 3	3/ 7	3/10	3/14	3/19	3/25	3/30/1987	16	
16	0/30/1980	1/18	1/30	2/ 7	2/15	2/22	2/28	3/ 8	3/16	3/28	3/21/1955	11	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	9/17/1968	9/24	9/30	10/ 4	10/ 8	10/12	10/15	10/19	10/24	10/30	11/ 8/1983	24	
32	9/17/1968	10/ 1	10/ 8	10/12	10/16	10/20	10/24	10/28	11/ 2	11/ 8	11/13/1987	24	
28	10/12/1986	10/25	10/29	11/ 1	11/ 4	11/ 6	11/ 9	11/11	11/14	11/19	11/19/1953	22	
24	10/27/1970	10/30	11/ 3	11/ 7	11/ 9	11/12	11/14	11/17	11/20	11/24	11/27/1968	19	
20	11/10/1950	11/ 8	11/13	11/17	11/20	11/23	11/26	11/29	12/ 2	12/ 7	12/31/1980	16	
16	11/10/1950	11/13	11/20	11/26	11/30	12/ 4	12/ 9	12/13	12/18	12/26	12/31/1980	11	

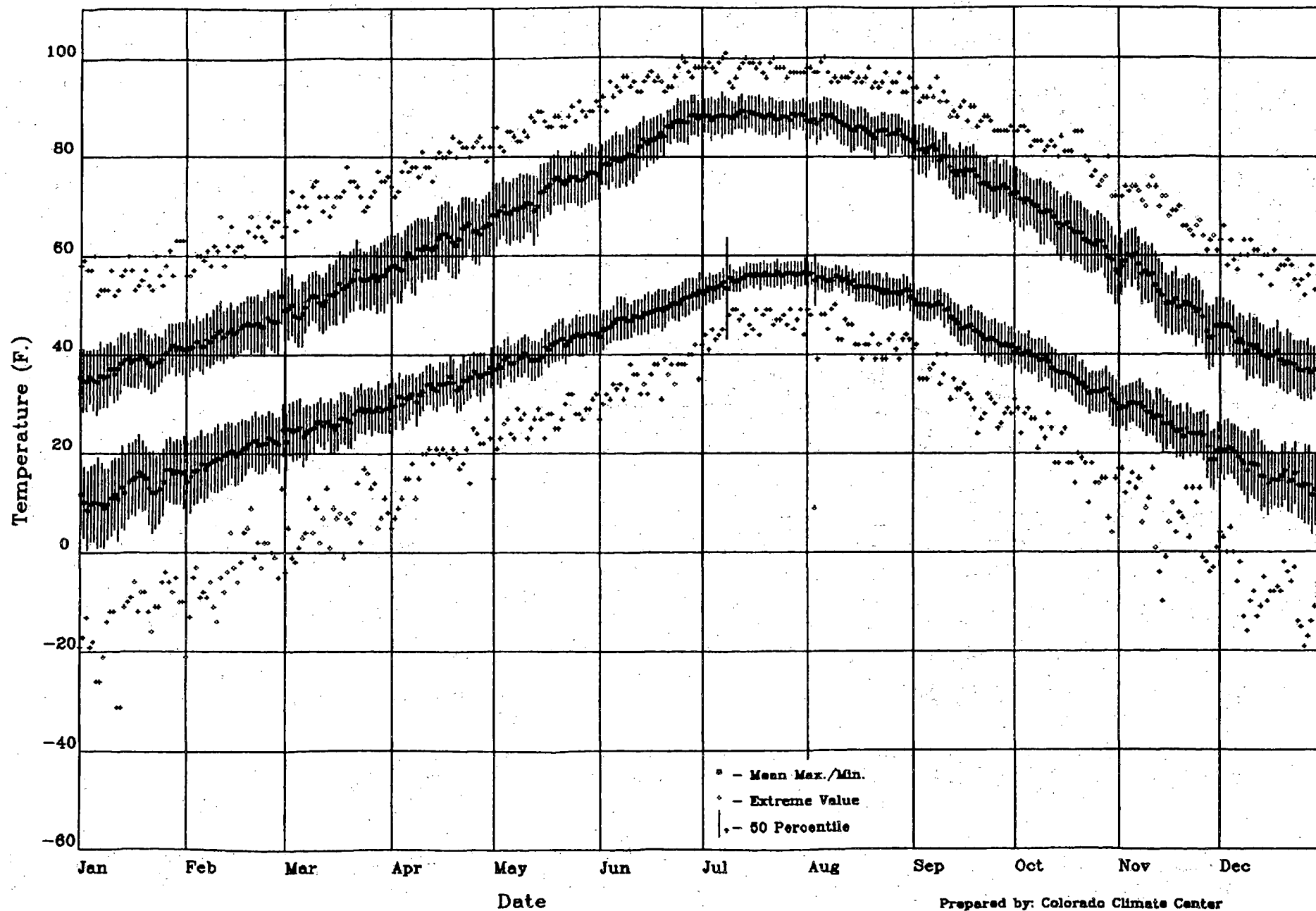
PAONIA 1 SW

Record: 56 years ending in 1987

Lat 38 52

Long 107 36

Elev 5580



Latitude: 38 52 Longitude: 107 36 Elevation: 5580

Period of Record: 83 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	38.0	44.6	52.7	62.4	72.5	83.0	88.2	85.8	77.4	66.1	52.2	40.1	63.6
Std. Dev.	4.5	4.0	4.1	3.8	3.4	2.9	2.7	3.2	3.7	4.2	3.5	4.6	
Mean Min.	13.0	19.8	26.7	33.5	41.0	48.5	55.3	54.0	46.2	36.0	25.8	16.2	34.7
Std. Dev.	5.9	4.9	3.5	2.9	2.7	2.6	1.8	2.3	2.7	2.9	3.1	4.5	
Num. Yrs.	55	54	55	56	56	52	56	54	55	55	53	55	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	746	493	317	118	22	1	1	0	5	73	324	664	2763
55	899	633	464	222	62	4	1	0	17	153	468	818	3742
57	961	690	525	273	86	8	1	0	26	197	527	879	4173
60	1053	774	618	356	135	18	1	0	49	273	616	972	4864
65	1207	914	772	502	252	57	3	8	119	419	764	1125	6142

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	1	19	123	329	515	463	227	39	0	0	1717
57	0	0	0	10	86	274	455	402	177	22	0	0	1426
60	0	0	0	3	43	195	364	311	111	7	0	0	1034
65	0	0	0	0	7	86	215	165	33	0	0	0	506
70	0	0	0	0	0	22	81	52	4	0	0	0	159

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	2	15	93	265	521	769	968	923	655	354	81	5	4650
45	0	2	33	150	373	621	817	769	508	221	28	1	3522
50	0	0	8	65	236	474	666	616	363	111	5	0	2545
55	0	0	1	19	123	329	515	463	227	39	0	0	1717
60	0	0	0	3	43	195	364	311	111	7	0	0	1034

Corn GDD	4	19	83	195	346	488	611	583	417	251	79	9	3084
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	60/1915	86	97	105	111	118	124	131	139	149	166/1987	32	
32	88/1915	112	122	130	136	142	148	154	161	171	193/1987	29	
28	124/1971	138	148	155	161	167	172	179	186	196	232/1914	29	
24	135/1915	160	170	177	183	189	194	200	207	217	238/1914	29	
20	148/1915	186	196	203	209	214	220	225	232	242	247/1965	27	
16	154/1915	203	215	225	232	240	247	255	264	277	293/1968	24	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/ 3/1914	5/ 5	5/12	5/17	5/22	5/26	5/30	6/ 4	6/ 9	6/16	7/ 8/1927	32	
32	4/21/1987	4/27	5/ 2	5/ 6	5/10	5/13	5/16	5/19	5/23	5/29	6/13/1917	29	
28	3/22/1915	4/13	4/20	4/25	4/29	5/ 3	5/ 7	5/11	5/16	5/23	6/ 1/1919	29	
24	3/21/1915	4/ 1	4/ 7	4/11	4/15	4/18	4/22	4/26	4/30	5/ 6	5/16/1916	29	
20	3/ 8/1915	3/15	3/21	3/25	3/29	4/ 2	4/ 5	4/ 9	4/14	4/20	5/ 1/1972	27	
16	2/ 6/1968	2/25	3/ 4	3/ 9	3/13	3/18	3/22	3/26	3/31	4/ 7	4/24/1913	24	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	8/ 3/1915	9/ 3	9/ 9	9/13	9/17	9/21	9/24	9/28	10/ 2	10/ 9	10/16/1987	32	
32	8/ 3/1915	9/10	9/17	9/23	9/27	10/ 2	10/ 6	10/11	10/16	10/23	10/31/1987	29	
28	8/ 3/1915	9/22	9/30	10/ 6	10/12	10/16	10/21	10/27	11/ 2	11/10	11/13/1987	29	
24	8/ 3/1915	9/29	10/ 8	10/14	10/19	10/24	10/29	11/ 3	11/ 9	11/18	11/27/1965	29	
20	8/ 3/1915	10/ 5	10/15	10/21	10/27	11/ 2	11/ 7	11/13	11/20	11/29	11/27/1965	27	
16	8/ 3/1915	10/10	10/21	10/30	11/ 6	11/12	11/19	11/26	12/ 4	12/16	12/11/1962	24	

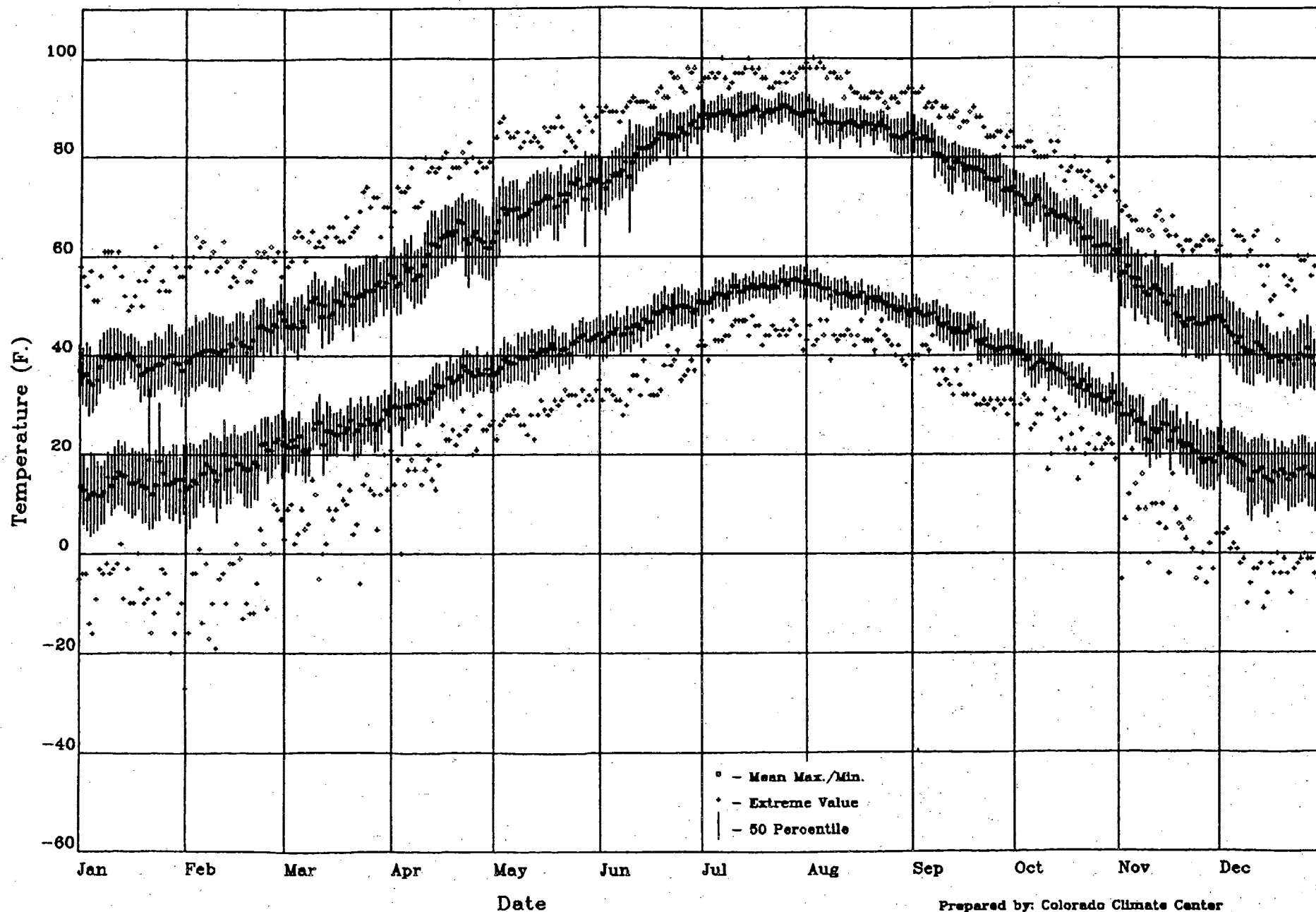
PAONIA 1 S

Record: 27 years ending in 1957

Lat 38 52

Long 107 35

Elev 6130



Prepared by: Colorado Climate Center

Latitude: 38 52 Longitude: 107 35 Elevation: 6130 Period of Record: 28 years ending in 1957

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	38.5	42.4	50.2	61.0	70.7	81.2	88.9	86.7	78.8	67.1	51.1	41.0	63.1
Std. Dev.	4.2	5.6	3.9	4.6	3.9	3.7	2.7	2.2	3.6	3.4	5.5	5.1	
Mean Min.	14.4	17.9	24.6	33.4	40.6	47.2	53.6	51.7	44.9	35.5	23.7	16.6	33.7
Std. Dev.	5.2	5.7	3.0	2.3	2.5	2.7	2.0	2.3	2.3	1.9	2.9	4.6	
Num. Yrs.	25	26	26	26	26	26	23	26	26	24	22	25	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	713	551	375	132	26	2	0	0	2	58	368	647	2874
55	866	692	526	241	70	8	0	0	10	138	513	801	3865
57	927	748	587	292	98	14	0	0	17	184	572	863	4302
60	1018	833	678	377	154	28	0	0	37	263	661	956	5005
65	1170	973	830	525	282	76	3	5	110	411	808	1111	6305

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	1	0	0	15	98	287	510	441	217	32	0	0	1601
57	1	0	0	7	65	234	448	380	166	17	0	0	1317
60	1	0	0	1	29	160	356	288	98	5	0	0	938
65	0	0	0	0	4	61	204	140	26	0	0	0	435
70	0	0	0	0	0	10	71	32	3	0	0	0	115

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	5	9	56	244	490	721	972	899	643	357	64	9	4469
45	2	1	14	133	342	574	818	746	498	220	16	1	3364
50	2	0	1	55	208	428	664	593	354	106	2	0	2413
55	1	0	0	15	98	287	510	441	217	32	0	0	1601
60	1	0	0	1	29	160	356	288	98	5	0	0	938

Corn GDD	5	12	55	176	321	463	602	566	420	263	72	13	2968
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	87/1945	93	101	107	112	116	121	126	132	140	151/1956	16
32	92/1945	106	115	121	127	132	137	142	149	158	168/1935	14
28	116/1950	143	152	159	165	171	176	182	189	199	194/1956	13
24	181/1953	185	189	191	194	196	198	200	203	207	209/1954	13
20	194/1945	196	202	206	209	213	216	220	224	230	242/1954	12
16	210/1945	207	216	223	228	233	238	244	250	259	266/1947	10

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/13/1948	5/18	5/23	5/27	5/30	6/ 1	6/ 4	6/ 7	6/10	6/15	6/18/1945	16
32	5/ 2/1935	5/ 6	5/12	5/17	5/21	5/25	5/29	6/ 2	6/ 7	6/13	6/17/1945	14
28	4/ 9/1956	4/ 6	4/14	4/19	4/23	4/27	5/ 1	5/ 6	5/11	5/18	6/ 8/1950	13
24	3/29/1952	3/28	4/ 3	4/ 6	4/10	4/13	4/16	4/19	4/22	4/28	5/11/1953	13
20	3/17/1946	3/23	3/27	3/31	4/ 3	4/ 6	4/ 8	4/11	4/15	4/19	4/25/1950	12
16	3/ 1/1947	3/ 8	3/14	3/18	3/21	3/24	3/27	3/31	4/ 4	4/ 9	4/13/1945	10

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/11/1947	9/12	9/17	9/20	9/23	9/26	9/28	10/ 1	10/ 4	10/ 9	10/13/1956	16
32	9/13/1951	9/16	9/22	9/26	9/30	10/ 4	10/ 7	10/11	10/15	10/21	10/22/1947	14
28	10/ 2/1950	10/ 5	10/ 8	10/11	10/13	10/15	10/17	10/19	10/22	10/25	10/26/1954	13
24	10/11/1946	10/13	10/17	10/20	10/23	10/25	10/28	10/30	11/ 2	11/ 6	11/ 9/1950	13
20	10/11/1946	10/19	10/24	10/28	11/ 1	11/ 4	11/ 7	11/11	11/15	11/21	11/28/1954	12
16	11/ 2/1951	10/31	11/ 4	11/ 7	11/10	11/12	11/15	11/17	11/20	11/24	11/25/1946	10

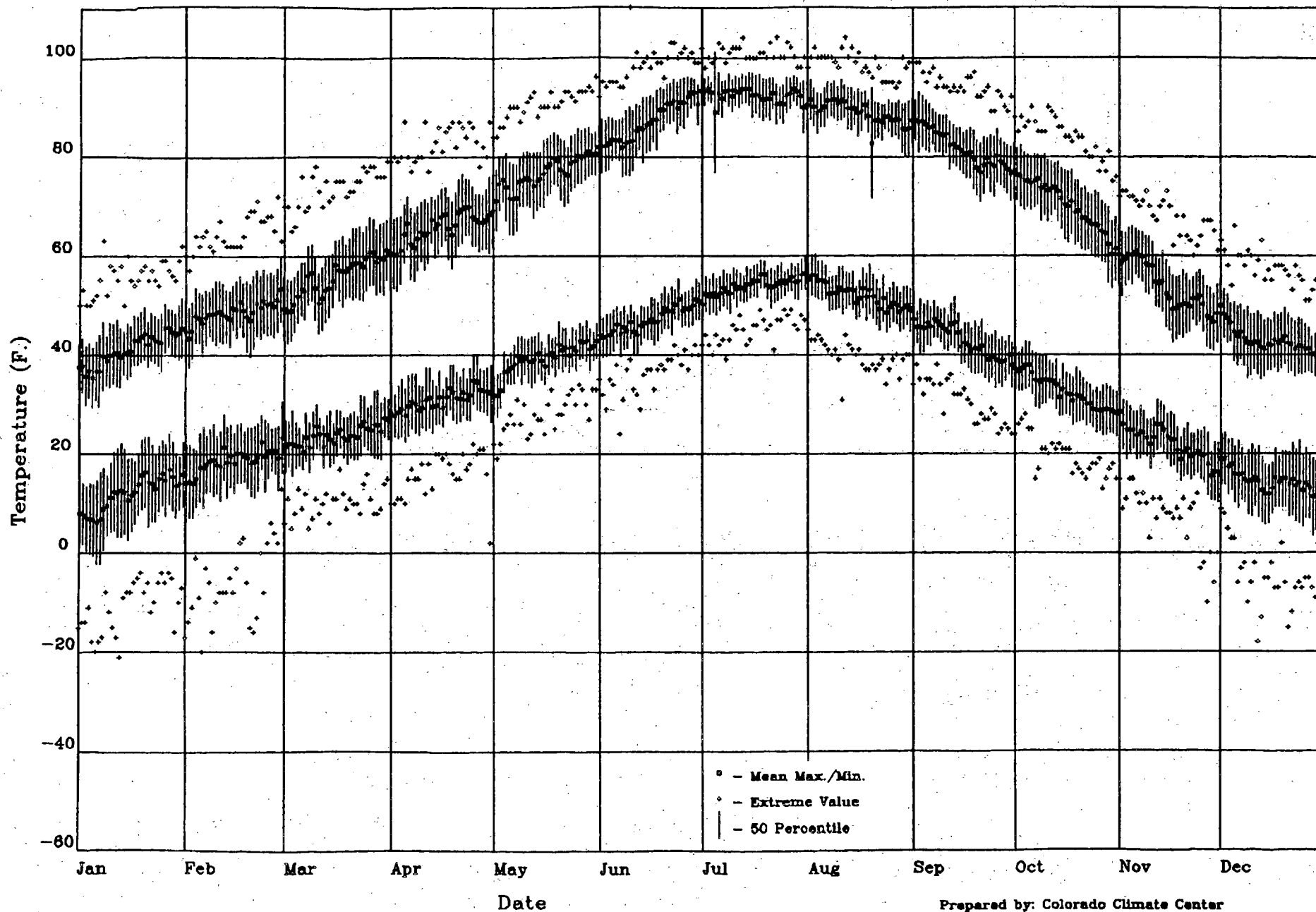
PARADOX 1 E

Record: 30 years ending in 1977

Lat 38 22

Long 108 57

Elev 5280



Prepared by: Colorado Climate Center

Latitude: 38 22 Longitude: 108 57 Elevation: 5280 Period of Record: 30 years ending in 1977

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	41.1	48.3	55.4	65.6	76.4	86.6	92.5	88.8	81.7	70.1	53.5	42.9	66.9
Std. Dev.	4.4	4.8	4.2	4.1	3.7	3.7	2.1	2.5	3.6	5.1	4.3	4.4	
Mean Min.	11.8	18.4	23.6	30.9	39.3	47.0	53.9	52.0	42.7	32.5	21.9	14.2	32.4
Std. Dev.	6.3	5.3	3.1	3.3	1.9	2.1	1.7	3.4	3.2	3.1	2.6	4.8	
Num. Yrs.	27	26	26	28	27	27	26	28	29	28	25	26	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	704	456	310	108	13	0	1	1	2	64	357	645	2659
55	855	594	455	211	44	2	1	1	9	142	503	798	3615
57	915	649	515	262	65	5	1	1	16	185	562	859	4035
60	1006	733	605	345	108	12	1	2	37	262	650	950	4711
65	1157	871	754	492	220	46	1	6	108	408	798	1103	5966

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	1	17	136	359	564	473	230	37	0	0	1818
57	0	0	0	9	97	303	503	413	178	20	0	0	1522
60	0	0	0	2	49	221	412	323	110	6	0	0	1123
65	0	0	0	0	10	106	259	177	34	0	0	0	586
70	0	0	0	0	1	33	115	63	7	0	0	0	217

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	3	17	80	267	548	801	1023	924	664	356	53	5	4741
45	0	2	26	149	398	653	870	774	516	221	14	0	3624
50	0	0	5	64	257	505	717	623	370	111	1	0	2655
55	0	0	1	17	136	359	564	473	230	37	0	0	1818
60	0	0	0	2	49	221	412	323	110	6	0	0	1123

Corn GDD 8 39 110 238 396 507 613 577 458 308 88 13 3354

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	86/1955	93	101	106	110	114	118	122	127	135	143/1969	13
32	113/1953	115	123	128	133	138	142	147	153	160	165/1958	12
28	115/1955	126	135	142	147	152	157	162	169	178	177/1958	11
24	138/1955	152	159	164	168	172	176	181	186	193	193/1956	9
20	169/1955	169	179	185	191	196	202	207	214	223	224/1966	8
16	169/1955	182	195	205	213	220	227	235	245	258	258/1960	7

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/ 3/1969	5/10	5/15	5/19	5/22	5/24	5/27	5/30	6/ 3	6/ 7	6/17/1955	13
32	4/29/1969	5/ 2	5/ 7	5/10	5/13	5/16	5/19	5/22	5/25	5/30	6/ 3/1953	12
28	4/22/1959	4/25	4/30	5/ 3	5/ 6	5/ 9	5/12	5/15	5/19	5/24	5/29/1955	11
24	4/10/1956	4/15	4/19	4/23	4/26	4/28	5/ 1	5/ 4	5/ 8	5/12	5/16/1955	9
20	3/23/1966	3/22	3/29	4/ 3	4/ 7	4/11	4/15	4/19	4/24	4/30	5/ 2/1967	8
16	3/ 3/1960	3/ 4	3/13	3/19	3/24	3/28	4/ 2	4/ 7	4/13	4/22	4/21/1955	7

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	9/ 1/1962	9/ 4	9/ 8	9/11	9/13	9/15	9/18	9/20	9/23	9/27	9/30/1963	13
32	9/10/1962	9/15	9/20	9/24	9/27	10/ 1	10/ 4	10/ 7	10/11	10/17	10/16/1958	12
28	9/10/1962	9/21	9/27	10/ 1	10/ 5	10/ 8	10/12	10/16	10/20	10/26	10/29/1960	11
24	10/ 1/1955	10/ 7	10/11	10/13	10/16	10/18	10/20	10/22	10/24	10/28	10/30/1960	9
20	10/ 7/1955	10/13	10/17	10/19	10/22	10/24	10/26	10/29	11/ 1	11/ 5	11/ 3/1956	8
16	10/ 7/1955	10/17	10/23	10/27	10/31	11/ 3	11/ 7	11/11	11/15	11/21	11/18/1969	7

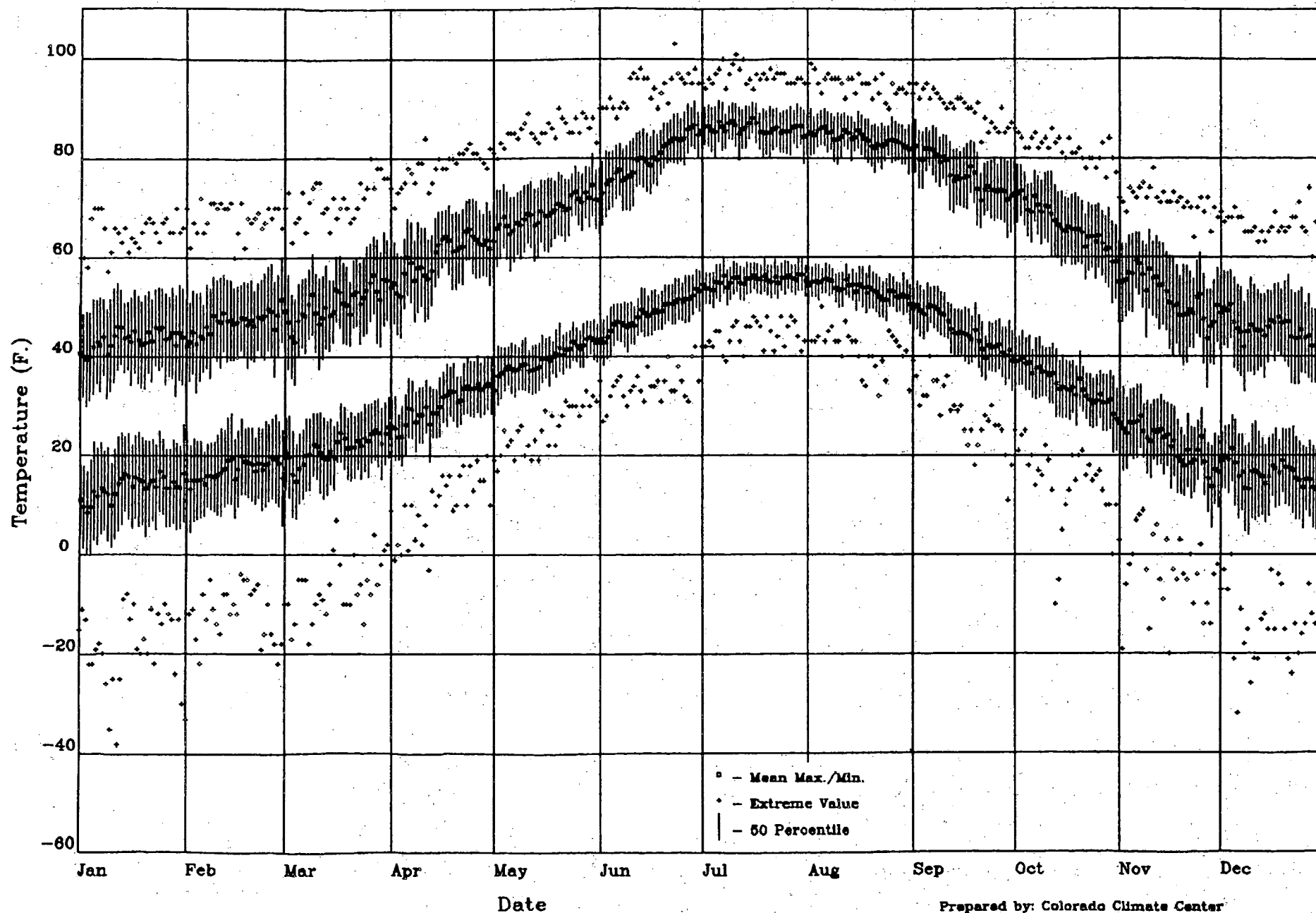
PARKER 6 E

Record: 40 years ending in 1987

Lat 39 32

Long 104 39

Elev 6310



Prepared by: Colorado Climate Center

Latitude: 39 32 Longitude: 104 39 Elevation: 6310 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	43.3	46.6	50.5	60.0	68.9	79.9	86.0	84.0	76.6	66.5	52.3	45.5	63.3
Std. Dev.	5.7	5.1	4.9	4.5	3.6	4.2	2.3	2.2	3.5	4.6	5.2	4.9	
Mean Min.	13.6	17.1	21.5	30.3	39.5	48.6	55.3	53.5	45.0	34.2	22.1	16.2	33.1
Std. Dev.	5.7	4.9	4.3	3.3	2.7	2.9	2.5	2.3	3.5	3.8	4.2	4.9	
Num. Yrs.	39	39	39	38	39	39	39	40	39	40	40	40	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	658	508	430	191	45	3	0	0	15	101	385	586	2922
55	812	647	577	305	101	12	0	0	36	184	525	740	3940
57	874	703	638	357	134	20	1	1	50	228	583	801	4390
60	966	788	730	440	197	38	2	3	79	303	672	894	5113
65	1121	929	884	587	329	93	10	18	158	448	821	1048	6445

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	1	17	84	296	493	433	216	48	2	0	1591
57	0	0	1	9	56	244	431	372	170	29	1	0	1313
60	0	0	0	3	26	172	339	281	110	11	0	0	944
65	0	0	0	0	5	77	192	142	38	1	0	0	455
70	0	0	0	0	0	22	73	42	8	0	0	0	145

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	22	35	75	217	449	733	957	897	633	350	93	30	4490
45	5	10	29	120	307	584	802	742	487	222	39	9	3357
50	0	2	8	53	182	437	647	587	345	119	11	2	2394
55	0	0	1	17	84	296	493	433	216	48	2	0	1591
60	0	0	0	3	26	172	339	281	110	11	0	0	944

Corn GDD	33	46	81	175	296	462	608	570	412	266	97	42	3087
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	55/1960	79	89	96	102	108	114	120	127	137	145/1963	37	
32	76/1973	98	108	115	120	126	131	137	144	154	172/1987	37	
28	117/1951	127	135	141	146	150	155	160	166	174	196/1981	35	
24	123/1971	148	156	161	165	170	174	178	184	191	201/1981	34	
20	153/1984	166	173	178	183	187	191	195	201	208	228/1987	34	
16	177/1970	185	194	201	206	212	217	222	229	238	263/1981	33	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	5/ 5/1958	5/13	5/20	5/24	5/28	5/31	6/ 4	6/ 7	6/12	6/18	6/27/1969	37	
32	4/21/1977	5/ 3	5/ 9	5/14	5/18	5/21	5/25	5/28	6/ 2	6/ 8	6/27/1969	37	
28	4/ 5/1981	4/21	4/26	4/30	5/ 4	5/ 7	5/10	5/14	5/18	5/24	6/ 3/1954	35	
24	4/ 5/1981	4/10	4/15	4/19	4/23	4/26	4/29	5/ 3	5/ 7	5/12	5/19/1971	34	
20	3/26/1969	4/ 3	4/ 8	4/12	4/15	4/18	4/21	4/24	4/28	5/ 4	5/14/1967	34	
16	3/ 8/1981	3/19	3/25	3/30	4/ 2	4/ 6	4/ 9	4/13	4/17	4/23	4/30/1960	33	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	8/17/1960	8/30	9/ 5	9/ 9	9/13	9/16	9/20	9/23	9/28	10/ 4	10/14/1963	37	
32	8/22/1964	9/ 7	9/13	9/17	9/21	9/24	9/27	10/ 1	10/ 5	10/11	10/23/1963	37	
28	9/ 9/1962	9/20	9/25	9/28	10/ 1	10/ 4	10/ 7	10/10	10/14	10/19	10/27/1963	35	
24	9/17/1965	9/28	10/ 3	10/ 6	10/10	10/12	10/15	10/18	10/22	10/27	11/ 3/1950	34	
20	9/19/1971	10/ 4	10/10	10/15	10/18	10/22	10/25	10/29	11/ 3	11/ 9	11/16/1987	34	
16	9/29/1985	10/17	10/23	10/27	10/31	11/ 3	11/ 7	11/11	11/15	11/21	11/27/1965	33	

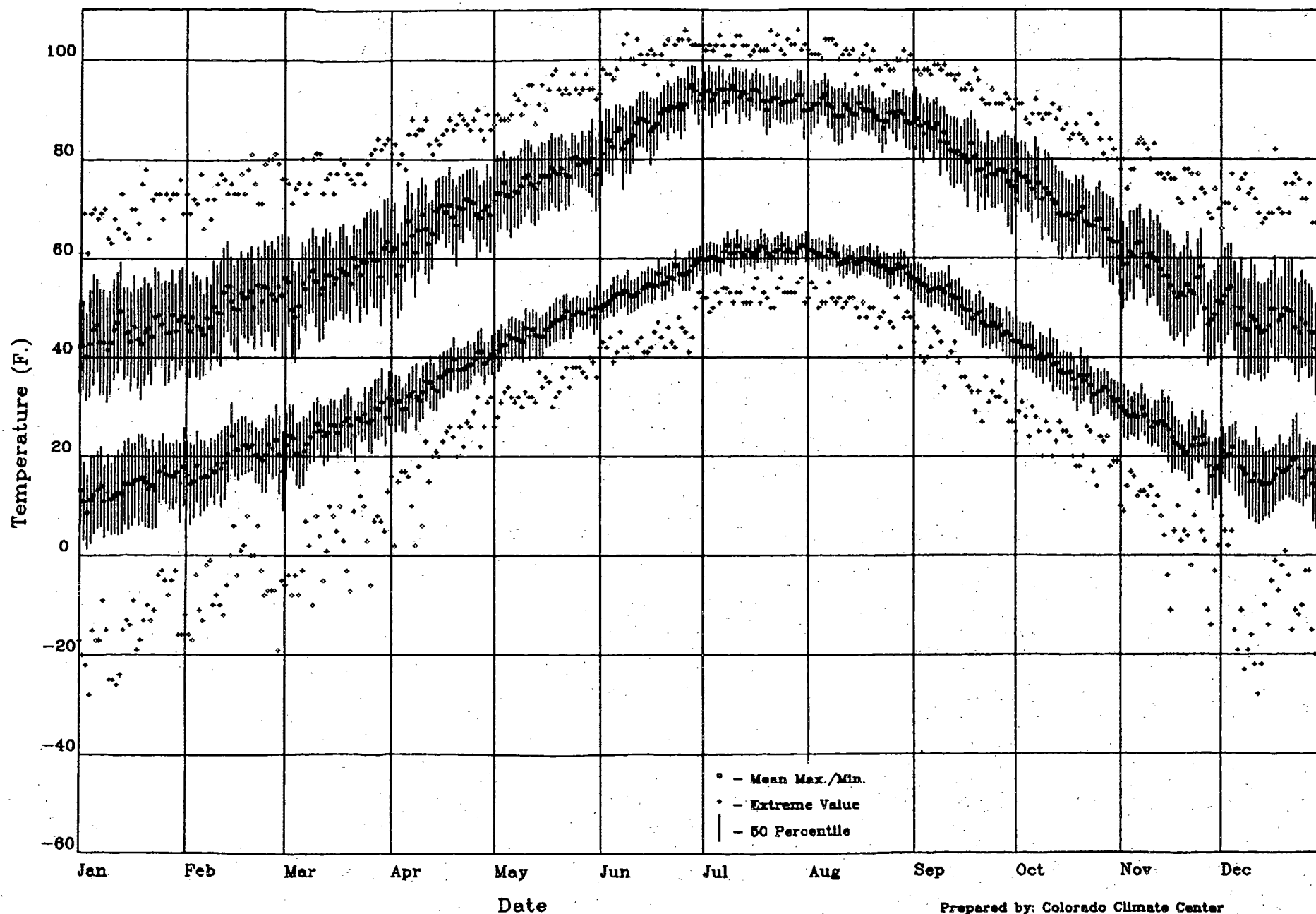
PUEBLO WSO AP

Record: 34 years ending in 1987

Lat 38 17

Long 104 31

Elev 4880



Latitude: 38 17 Longitude: 104 31 Elevation: 4680 Period of Record: 34 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	45.0	50.5	56.5	67.0	76.3	87.3	92.6	89.6	81.4	70.3	55.9	47.7	68.3
Std. Dev.	6.1	5.6	4.9	3.9	3.6	3.3	2.5	2.3	3.2	4.1	4.7	6.3	
Mean Min.	14.0	19.4	25.9	35.7	46.0	54.6	61.2	59.3	50.0	37.1	24.3	16.8	37.0
Std. Dev.	4.5	3.7	3.7	2.7	2.2	1.8	2.1	2.4	2.4	2.9	2.9	4.0	
Num. Yrs.	33	33	33	33	33	33	34	34	33	34	34	34	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	629	424	289	79	8	0	0	0	6	52	303	546	2335
55	782	560	427	155	27	1	0	0	15	115	439	699	3220
57	844	616	486	196	41	2	0	0	21	151	498	761	3616
60	937	701	577	268	70	6	0	0	35	216	586	853	4250
65	1092	842	731	405	151	20	1	3	77	347	736	1008	5414

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	5	53	224	485	687	609	344	83	2	1	2493
57	0	0	3	34	176	427	625	547	290	57	1	0	2159
60	0	0	1	16	112	341	532	455	213	29	0	0	1699
65	0	0	0	2	39	206	378	302	105	5	0	0	1037
70	0	0	0	0	7	94	227	158	35	0	0	0	521

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	28	57	142	363	663	932	1152	1074	780	438	120	40	5789
45	8	21	65	236	510	783	997	919	631	298	53	12	4531
50	1	5	22	127	361	634	842	764	485	175	16	3	3434
55	0	1	5	53	224	485	687	609	344	83	2	1	2493
60	0	0	1	16	112	341	532	455	213	29	0	0	1699

Corn GDD	56	83	148	266	414	570	719	680	485	320	135	71	3947
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	111/1965	125	131	136	140	144	148	152	156	163	167/1974	31	
32	123/1971	142	151	157	162	167	172	177	183	192	199/1967	31	
28	156/1983	170	175	179	183	186	189	193	197	202	204/1981	31	
24	180/1986	186	192	197	201	205	209	213	218	224	237/1960	29	
20	191/1977	201	209	215	220	224	229	234	239	247	255/1963	29	
16	205/1975	218	226	231	236	241	246	251	256	264	270/1963	26	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/22/1977	4/29	5/ 3	5/ 6	5/ 9	5/11	5/14	5/16	5/19	5/24	5/31/1973	31	
32	3/31/1967	4/11	4/16	4/20	4/23	4/26	4/29	5/ 2	5/ 6	5/11	5/19/1971	31	
28	3/31/1967	4/ 5	4/ 9	4/12	4/14	4/16	4/18	4/20	4/23	4/27	5/ 2/1972	31	
24	3/17/1960	3/25	3/29	4/ 1	4/ 4	4/ 6	4/ 8	4/11	4/13	4/17	4/27/1984	29	
20	3/ 6/1973	3/12	3/17	3/21	3/24	3/27	3/29	4/ 1	4/ 5	4/10	4/15/1961	29	
16	3/ 4/1985	3/ 7	3/12	3/15	3/18	3/21	3/24	3/27	3/31	4/ 5	4/12/1959	26	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/10/1962	9/17	9/22	9/26	9/29	10/ 2	10/ 5	10/ 8	10/12	10/17	10/25/1963	31	
32	9/19/1971	9/24	9/29	10/ 3	10/ 7	10/10	10/13	10/17	10/21	10/26	11/ 1/1963	31	
28	9/21/1983	10/ 5	10/10	10/13	10/16	10/19	10/22	10/25	10/28	11/ 2	11/ 7/1962	31	
24	10/ 5/1985	10/13	10/18	10/22	10/25	10/28	10/31	11/ 3	11/ 7	11/12	11/18/1963	29	
20	10/ 9/1970	10/21	10/26	10/30	11/ 3	11/ 6	11/ 9	11/12	11/16	11/22	11/23/1963	29	
16	10/25/1975	11/ 4	11/ 9	11/12	11/15	11/17	11/20	11/23	11/26	12/ 1	12/11/1970	26	

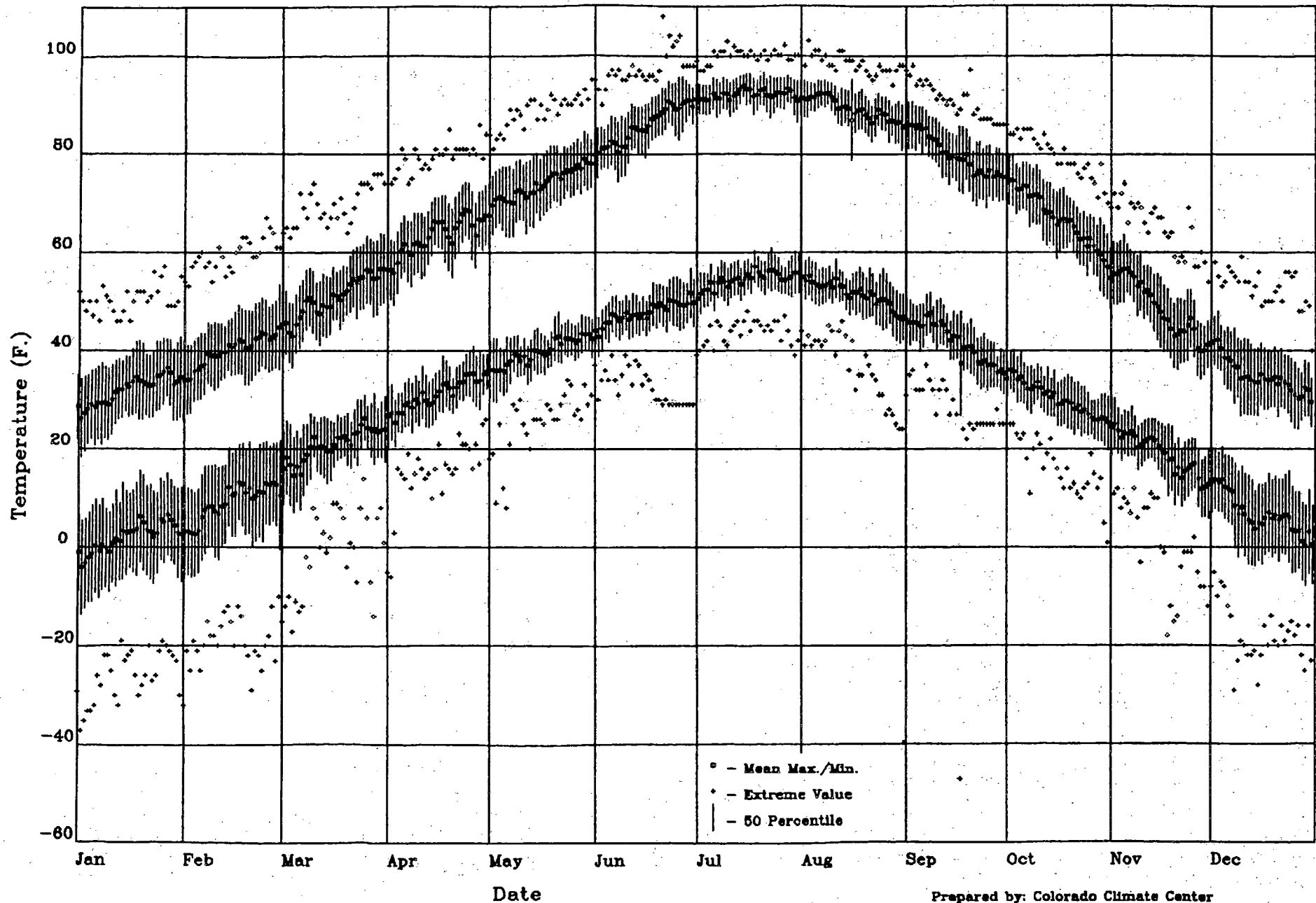
RANGELY 1 E

Record: 37 years ending in 1987

Lat 40 5

Long 108 46

Elev 5290



Latitude: 40 5 Longitude: 108 46 Elevation: 5290

Period of Record: 39 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	32.0	39.8	50.8	63.2	73.8	85.6	92.0	89.2	80.3	67.4	48.8	34.9	63.2
Std. Dev.	7.0	6.9	5.1	3.6	3.9	3.3	2.2	2.1	3.8	3.9	4.6	5.4	
Mean Min.	2.0	9.1	20.9	31.3	39.7	47.7	54.4	51.6	42.0	30.3	19.1	6.7	29.6
Std. Dev.	7.7	8.4	4.6	3.2	2.7	3.2	1.9	3.4	3.4	3.3	3.6	6.2	
Num. Yrs.	37	37	35	36	36	33	33	32	32	34	36	36	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1007	708	429	130	21	0	0	0	7	100	473	889	3765
55	1161	848	580	239	60	3	0	1	22	200	623	1043	4780
57	1223	904	641	291	85	6	0	1	34	251	682	1105	5223
60	1315	988	733	374	134	14	0	2	60	335	772	1197	5926
65	1469	1128	887	521	253	50	0	12	138	485	922	1351	7216

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	16	121	359	571	480	208	20	0	0	1774
57	0	0	0	8	85	302	509	419	161	10	0	0	1493
60	0	0	0	2	42	220	416	328	100	2	0	0	1111
65	0	0	0	0	7	105	262	185	31	0	0	0	591
70	0	0	0	0	0	31	118	67	5	0	0	0	222

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	4	50	243	522	805	1035	938	625	292	30	1	4546
45	0	1	15	133	373	655	880	785	480	166	6	0	3494
50	0	0	3	56	236	505	726	632	339	72	0	0	2569
55	0	0	0	16	121	359	571	480	208	20	0	0	1774
60	0	0	0	2	42	220	416	328	100	2	0	0	1111

Corn GDD 1 12 68 204 364 510 628 587 439 269 56 2 3141

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	59/1975	76	85	92	97	102	108	113	120	129	136/1969	18
32	77/1974	90	99	106	112	118	123	129	136	146	157/1969	16
28	97/1974	119	127	132	137	141	145	150	155	162	162/1956	14
24	158/1975	154	161	166	170	175	179	183	188	195	209/1962	12
20	163/1970	160	170	178	184	190	195	202	209	219	234/1962	11
16	171/1975	171	182	189	196	202	208	214	222	233	237/1962	10

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/ 8/1961	5/ 9	5/15	5/19	5/23	5/26	5/30	6/ 2	6/ 7	6/13	6/27/1975	18
32	4/30/1969	5/ 3	5/ 9	5/14	5/17	5/21	5/24	5/28	6/ 1	6/ 7	6/26/1975	16
28	4/15/1956	4/20	4/25	4/29	5/ 2	5/ 5	5/ 8	5/11	5/15	5/20	5/27/1955	14
24	3/27/1969	4/ 1	4/ 7	4/12	4/15	4/19	4/23	4/26	5/ 1	5/ 7	5/ 6/1975	12
20	3/19/1962	3/27	4/ 2	4/ 7	4/11	4/15	4/19	4/23	4/28	5/ 4	5/ 6/1975	11
16	3/16/1962	3/20	3/27	4/ 1	4/ 5	4/ 9	4/13	4/17	4/22	4/29	5/ 6/1975	10

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	8/15/1978	8/21	8/26	8/30	9/ 2	9/ 6	9/ 9	9/12	9/16	9/21	9/24/1977	18
32	8/17/1960	8/28	9/ 4	9/ 8	9/12	9/16	9/19	9/23	9/27	10/ 4	10/ 7/1952	16
28	8/26/1974	9/ 9	9/14	9/17	9/20	9/23	9/26	9/29	10/ 2	10/ 7	10/ 6/1955	14
24	9/18/1971	9/28	10/ 2	10/ 5	10/ 8	10/11	10/13	10/16	10/19	10/23	10/26/1962	12
20	10/ 7/1955	10/ 9	10/13	10/16	10/19	10/22	10/24	10/27	10/30	11/ 3	11/ 8/1962	11
16	10/ 8/1970	10/13	10/18	10/22	10/25	10/28	10/31	11/ 3	11/ 7	11/12	11/ 9/1957	10

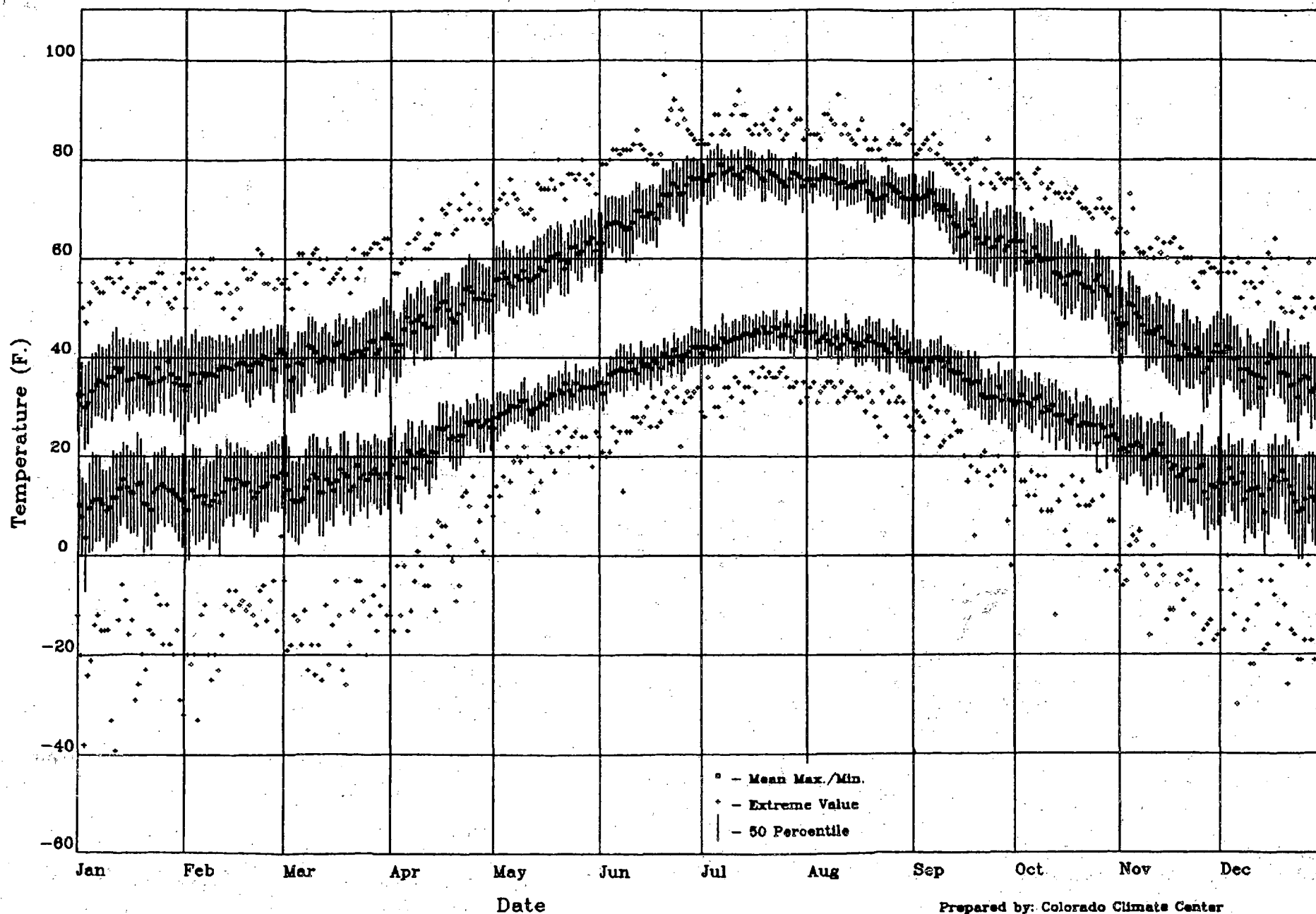
RED FEATHER LAKES 2 SE

Record: 35 years ending in 1987

Lat 40 47

Long 105 33

Elev 8170



Prepared by: Colorado Climate Center

Latitude: 40 47 Longitude: 105 33 Elevation: 8170

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	35.3	37.7	40.7	48.5	58.6	69.9	76.7	74.4	67.1	57.3	43.8	36.7	53.9
Std. Dev.	4.3	4.4	4.0	3.9	3.4	4.0	2.1	2.1	3.5	4.9	4.5	4.4	
Mean Min.	11.7	13.2	15.0	22.6	31.4	38.6	44.2	42.9	35.8	28.0	18.3	13.3	26.3
Std. Dev.	5.4	4.7	4.8	3.2	2.3	2.4	2.1	2.5	2.8	3.6	4.4	5.1	
Num. Yrs.	34	33	35	35	32	32	32	32	33	29	32	29	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	799	675	665	417	173	29	1	2	61	228	539	743	4332
55	951	814	816	561	302	82	7	14	134	363	682	894	5620
57	1012	869	877	619	360	116	15	28	176	420	740	954	6187
60	1103	953	968	707	450	181	41	69	251	509	826	1044	7102
65	1256	1092	1119	853	602	314	140	189	393	658	970	1194	8779

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	5	67	180	133	35	2	0	0	423
57	0	0	0	0	2	42	127	87	19	1	0	0	276
60	0	0	0	0	0	17	63	36	5	0	0	0	121
65	0	0	0	0	0	2	9	3	0	0	0	0	14
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	3	3	10	46	190	432	629	577	352	147	18	5	2412
45	0	0	1	13	88	290	477	425	220	61	2	1	1579
50	0	0	0	2	28	162	326	274	109	17	0	0	919
55	0	0	0	0	5	67	180	133	35	2	0	0	423
60	0	0	0	0	0	17	63	36	5	0	0	0	121

Corn GDD 3 4 12 50 148 297 412 377 256 135 24 4 1723

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	12/1956	16	23	28	33	37	41	46	51	58	70/1984	26
32	19/1950	36	46	53	59	65	70	76	84	94	96/1986	22
28	70/1966	79	86	92	96	100	104	109	114	122	135/1976	20
24	79/1966	103	111	118	123	128	133	138	144	153	159/1969	18
20	113/1975	127	134	140	144	148	153	157	162	170	167/1980	15
16	149/1984	150	155	159	163	166	169	172	176	182	186/1950	12

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/18/1970	6/22	6/26	6/29	7/ 1	7/ 4	7/ 6	7/ 9	7/12	7/16	7/18/1955	26
32	6/11/1975	6/ 9	6/14	6/17	6/20	6/23	6/26	6/28	7/ 2	7/ 6	7/13/1950	22
28	5/17/1976	5/23	5/28	5/31	6/ 3	6/ 6	6/ 9	6/12	6/16	6/21	7/ 2/1968	20
24	4/21/1987	4/30	5/ 6	5/10	5/14	5/17	5/20	5/24	5/28	6/ 3	6/ 6/1966	18
20	4/19/1986	4/19	4/24	4/29	5/ 2	5/ 6	5/ 9	5/13	5/17	5/23	5/30/1975	15
16	4/13/1980	4/18	4/22	4/24	4/27	4/29	5/ 1	5/ 3	5/ 5	5/ 9	5/15/1983	12

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/20/1956	7/20	7/27	8/ 1	8/ 6	8/10	8/14	8/18	8/23	8/30	9/11/1983	26
32	7/30/1971	8/ 7	8/14	8/19	8/23	8/26	8/30	9/ 3	9/ 8	9/15	9/18/1969	22
28	8/21/1980	8/31	9/ 5	9/ 8	9/12	9/14	9/17	9/20	9/24	9/29	10/ 1/1982	20
24	8/24/1966	9/ 9	9/13	9/17	9/19	9/22	9/24	9/27	9/30	10/ 5	10/ 7/1950	18
20	9/18/1971	9/17	9/22	9/25	9/28	10/ 1	10/ 4	10/ 7	10/10	10/15	11/ 2/1950	15
16	9/23/1985	9/26	10/ 1	10/ 5	10/ 8	10/11	10/15	10/18	10/22	10/27	11/ 3/1950	12

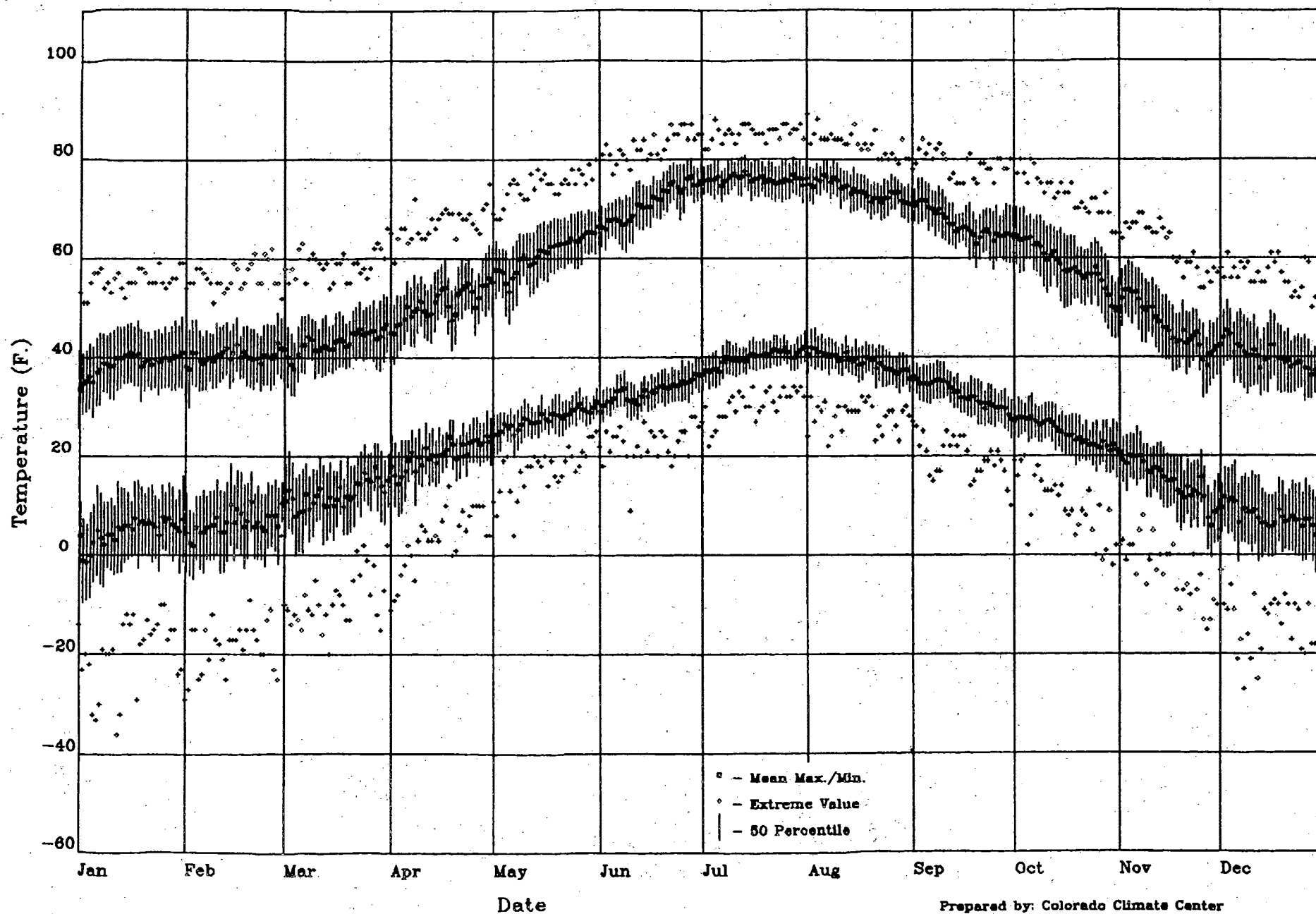
RICO

Record: 31 years ending in 1987

Lat 37 41

Long 108 2

Elev 8840



Latitude: 37 41 Longitude: 108 2 Elevation: 8840

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	38.7	40.2	43.0	50.7	60.8	71.0	75.9	73.6	66.9	58.7	46.5	39.9	55.5
Std. Dev.	3.8	3.2	3.5	3.8	3.3	3.0	2.1	2.0	3.2	4.6	3.4	4.4	
Mean Min.	4.8	6.4	12.4	20.3	27.6	33.1	39.7	39.0	32.3	24.6	15.0	7.4	21.9
Std. Dev.	4.2	4.2	4.1	3.2	1.8	2.4	1.7	2.5	2.5	2.8	2.9	3.8	
Num. Yrs.	29	29	29	29	28	29	29	29	30	30	30	30	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	866	747	683	428	180	33	0	2	59	254	569	809	4631
55	1021	888	838	577	326	107	9	24	161	405	719	964	6041
57	1083	945	900	637	388	153	24	50	216	467	779	1026	6668
60	1176	1030	993	727	481	233	75	115	304	560	869	1119	7681
65	1331	1171	1148	877	636	381	216	262	454	715	1018	1274	9483

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	26	103	71	8	0	0	0	209
57	0	0	0	0	0	12	56	35	2	0	0	0	106
60	0	0	0	0	0	2	14	8	0	0	0	0	24
65	0	0	0	0	0	0	0	0	0	0	0	0	1
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	2	31	164	369	559	512	299	113	8	0	2057
45	0	0	0	5	60	224	404	357	161	33	0	0	1244
50	0	0	0	0	9	102	249	204	55	4	0	0	624
55	0	0	0	0	0	26	103	71	8	0	0	0	209
60	0	0	0	0	0	2	14	8	0	0	0	0	24

Corn GDD 6 6 14 59 177 315 401 365 256 154 35 8 1797

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1972	0	6	11	15	19	23	27	32	39	52/1969	29
32	0/1984	24	33	40	45	51	56	62	68	78	88/1981	27
28	15/1984	56	65	72	78	84	90	95	102	112	114/1978	27
24	28/1984	78	90	99	107	114	121	129	138	151	178/1987	26
20	75/1984	113	124	133	140	147	153	160	169	180	192/1981	26
16	88/1984	142	153	161	168	174	180	187	195	206	210/1987	26

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/18/1981	7/ 2	7/ 5	7/ 8	7/10	7/12	7/14	7/16	7/18	7/21	7/19/1972	29
32	6/12/1986	6/17	6/21	6/24	6/27	6/30	7/ 2	7/ 5	7/ 8	7/12	7/19/1984	27
28	5/29/1978	6/ 3	6/ 8	6/12	6/15	6/18	6/21	6/24	6/28	7/ 3	7/17/1984	27
24	4/21/1987	5/ 9	5/16	5/21	5/26	5/30	6/ 3	6/ 8	6/13	6/20	7/ 4/1984	26
20	4/ 7/1981	4/21	4/28	5/ 4	5/ 9	5/13	5/18	5/22	5/28	6/ 5	6/27/1976	26
16	4/ 5/1981	4/11	4/17	4/21	4/25	4/29	5/ 2	5/ 6	5/10	5/16	6/10/1984	26

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1972	7/15	7/20	7/24	7/27	7/31	8/ 3	8/ 6	8/10	8/15	8/31/1969	29
32	7/19/1984	7/25	8/ 3	8/ 9	8/14	8/19	8/24	8/29	9/ 5	9/13	9/15/1963	27
28	8/ 1/1984	8/23	8/30	9/ 3	9/ 7	9/10	9/14	9/18	9/22	9/28	9/30/1963	27
24	8/ 1/1984	8/30	9/ 7	9/12	9/17	9/21	9/26	9/30	10/ 6	10/13	10/16/1987	26
20	9/ 6/1984	9/19	9/25	9/30	10/ 3	10/ 7	10/10	10/14	10/18	10/24	11/ 1/1963	26
16	9/ 6/1984	9/27	10/ 5	10/10	10/15	10/19	10/24	10/28	11/ 3	11/10	11/16/1987	26

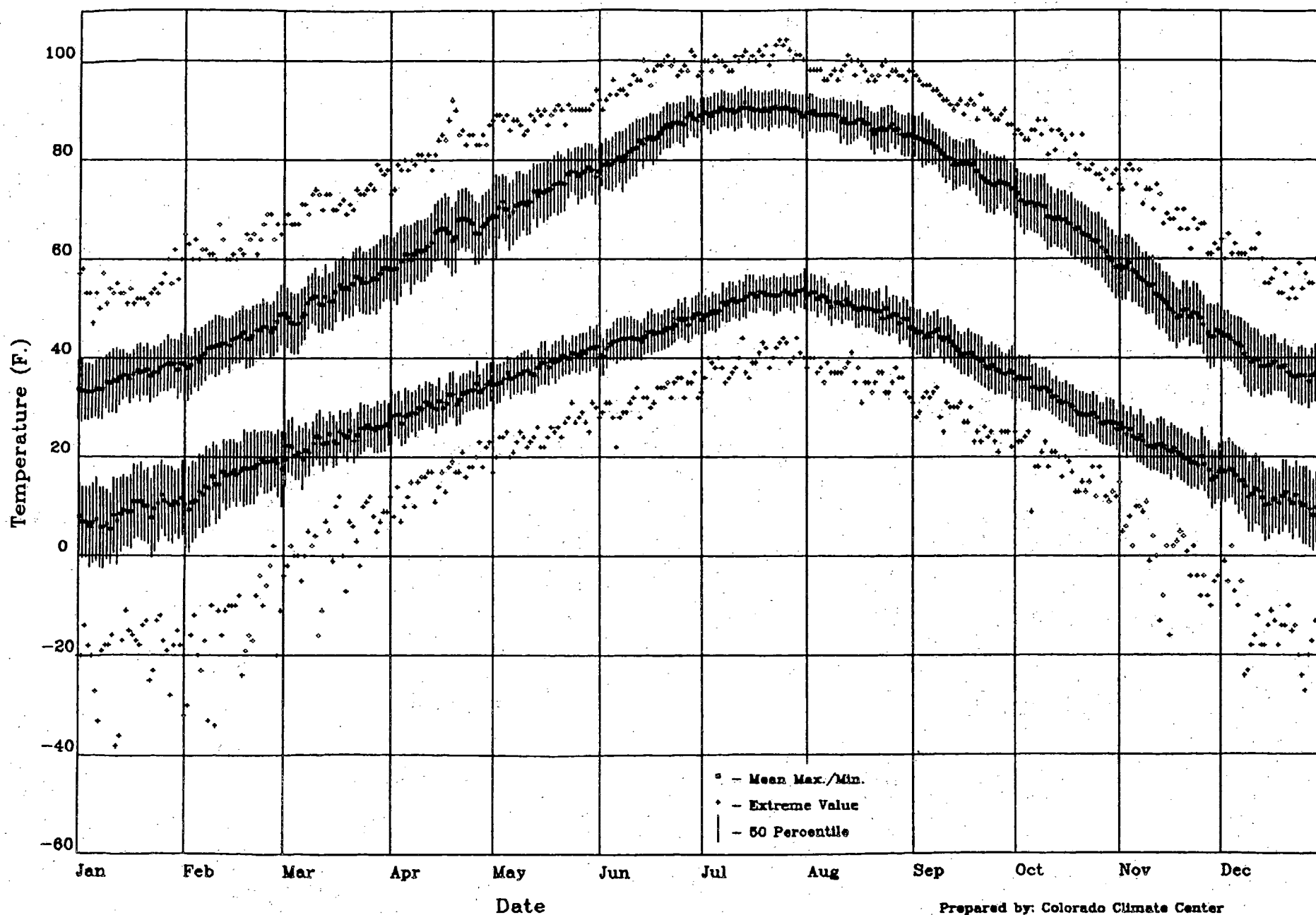
RIFLE

Record: 74 years ending in 1987

Lat 39 32

Long 107 48

Elev 5320



Prepared by: Colorado Climate Center

Latitude: 39 32 Longitude: 107 48 Elevation: 5320 Period of Record: 78 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	36.2	43.1	52.8	63.8	73.6	83.8	89.9	87.4	79.3	66.9	51.6	39.0	64.0
Std. Dev.	4.6	5.1	4.2	4.3	3.8	3.3	2.5	2.7	3.4	4.6	4.6	4.6	4.6
Mean Min.	8.8	15.9	23.7	31.1	38.5	45.0	51.8	50.1	41.3	31.0	21.2	12.3	30.9
Std. Dev.	5.7	5.8	3.1	2.7	2.1	2.6	2.6	2.9	3.3	2.7	3.4	5.1	3.1
Num. Yrs.	71	71	72	73	74	73	72	73	73	69	70	72	72

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	844	570	357	120	21	1	0	0	5	91	401	745	3153
55	999	711	509	230	61	5	0	0	20	195	550	899	4177
57	1061	767	570	283	87	10	0	0	31	247	610	961	4627
60	1153	852	663	368	143	23	0	1	60	334	699	1054	5350
65	1308	992	817	517	272	72	3	11	151	486	849	1208	6686

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	12	102	293	496	431	183	16	0	0	1534
57	0	0	0	5	67	238	435	370	135	7	0	0	1257
60	0	0	0	1	30	162	343	279	75	2	0	0	890
65	0	0	0	0	4	61	191	135	17	0	0	0	408
70	0	0	0	0	0	12	64	34	2	0	0	0	111

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	7	65	248	505	736	958	892	609	292	41	2	4355
45	0	1	18	133	355	587	804	739	461	162	9	0	3268
50	0	0	2	52	216	438	650	585	317	66	1	0	2328
55	0	0	0	12	102	293	496	431	183	16	0	0	1534
60	0	0	0	1	30	162	343	279	75	2	0	0	890

Corn GDD 2 15 84 214 366 487 593 564 432 265 73 6 3100

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	50/1960	69	77	84	89	94	99	104	111	119	128/1938	59
32	56/1960	97	106	112	117	122	127	133	139	148	165/1918	55
28	103/1937	125	133	139	144	149	153	158	164	172	182/1921	53
24	111/1937	151	160	166	172	177	183	188	195	204	230/1914	49
20	158/1982	178	187	193	198	203	208	214	220	228	244/1915	45
16	196/1960	205	213	218	222	226	231	235	240	248	261/1918	42

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/13/1914	5/24	5/30	6/ 3	6/ 6	6/10	6/13	6/17	6/21	6/26	7/ 9/1959	59
32	4/21/1949	5/ 3	5/10	5/15	5/19	5/23	5/27	5/31	6/ 5	6/11	6/30/1953	55
28	4/ 8/1934	4/21	4/26	4/30	5/ 3	5/ 6	5/ 9	5/13	5/17	5/22	6/13/1937	53
24	3/23/1914	4/ 4	4/11	4/15	4/19	4/23	4/27	5/ 1	5/ 5	5/12	6/ 6/1937	49
20	3/ 4/1916	3/20	3/26	3/31	4/ 4	4/ 8	4/12	4/16	4/21	4/28	5/ 6/1982	45
16	3/ 1/1918	3/10	3/16	3/20	3/23	3/27	3/30	4/ 2	4/ 6	4/12	4/23/1963	42

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	8/15/1978	8/29	9/ 2	9/ 6	9/ 9	9/12	9/15	9/18	9/21	9/26	10/ 2/1940	59
32	8/17/1960	9/ 7	9/12	9/16	9/19	9/22	9/25	9/28	10/ 2	10/ 7	10/24/1918	55
28	9/ 2/1959	9/17	9/22	9/26	9/29	10/ 2	10/ 5	10/ 8	10/12	10/17	10/26/1918	53
24	9/19/1971	10/ 2	10/ 7	10/11	10/14	10/17	10/21	10/24	10/28	11/ 2	11/11/1915	49
20	10/ 7/1937	10/14	10/19	10/23	10/26	10/28	10/31	11/ 3	11/ 7	11/12	11/20/1981	45
16	10/19/1976	10/27	10/31	11/ 3	11/ 6	11/ 8	11/11	11/13	11/16	11/21	11/26/1934	42

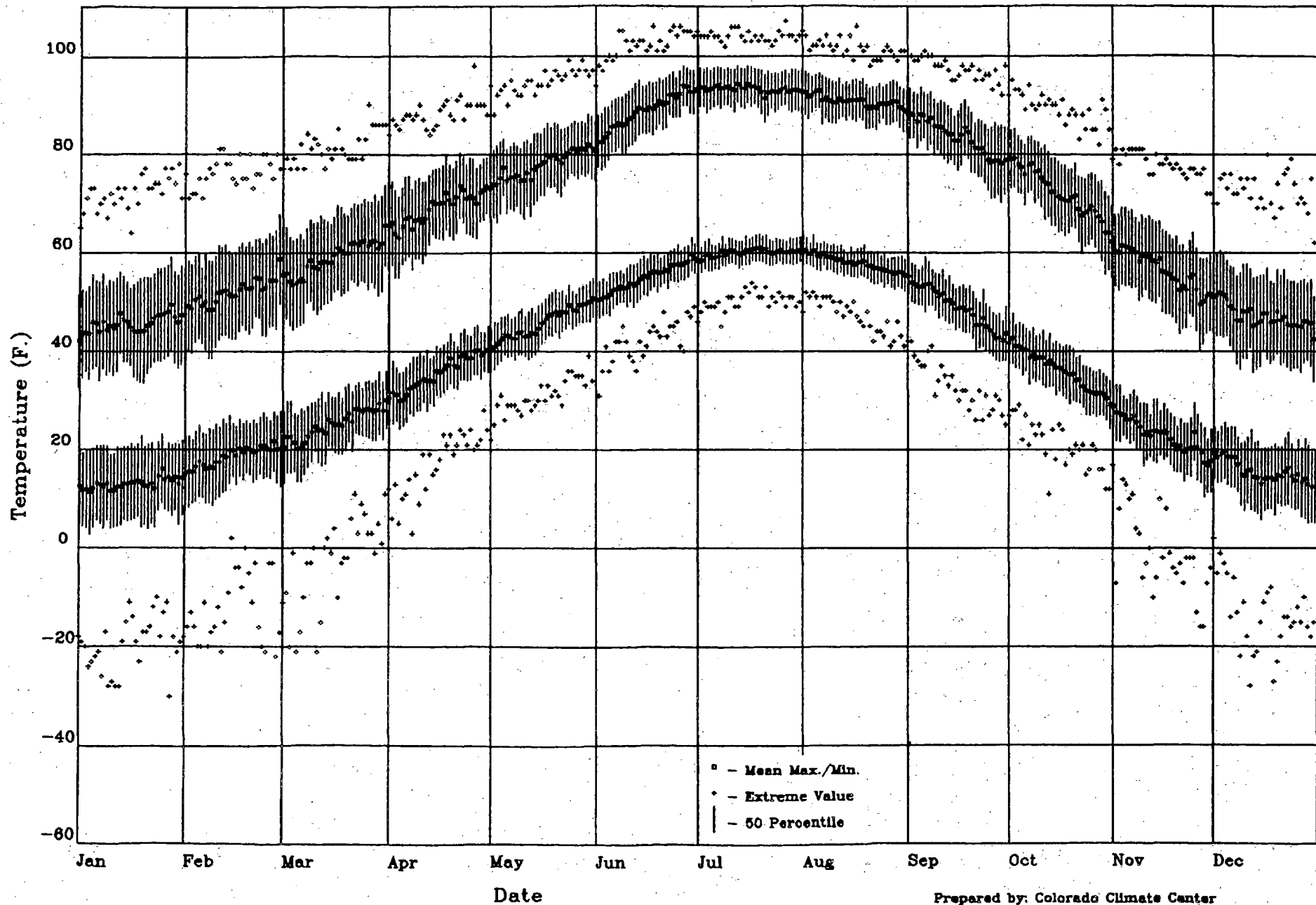
ROCKY FORD 2 SE

Record: 70 years ending in 1987

Lat 38 2

Long 103 42

Elev 4170



Prepared by: Colorado Climate Center

Latitude: 38 2 Longitude: 103 42 Elevation: 4170 Period of Record: 70 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	45.5	51.7	59.0	69.1	77.7	88.5	93.2	90.8	83.5	72.4	56.6	47.2	69.6
Std. Dev.	6.4	6.2	5.2	4.3	3.2	3.3	2.4	2.5	2.9	4.2	4.7	5.4	
Mean Min.	13.0	18.6	25.2	35.6	45.7	54.8	60.0	57.9	48.9	36.1	22.9	15.4	36.2
Std. Dev.	4.9	3.9	3.4	2.8	2.3	2.0	1.5	1.7	2.5	2.6	2.5	3.6	
Num. Yrs.	70	70	70	70	70	70	70	69	69	70	70	70	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	634	416	267	72	8	0	0	0	4	45	311	572	2328
55	787	553	401	141	24	1	0	0	10	103	452	725	3197
57	849	609	459	179	37	1	0	0	14	137	511	787	3583
60	942	693	549	245	65	4	0	0	26	200	600	880	4204
65	1097	834	703	377	142	16	0	1	65	332	749	1035	5351

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	8	67	240	508	677	608	353	87	2	0	2552
57	0	0	5	45	190	449	615	546	298	59	1	0	2208
60	0	0	2	22	125	361	522	453	219	29	0	0	1734
65	0	0	0	4	47	223	367	299	108	6	0	0	1056
70	0	0	0	0	10	108	216	154	37	1	0	0	525

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	22	53	163	389	681	957	1142	1073	794	454	107	27	5859
45	5	17	79	259	528	807	987	918	645	310	42	7	4604
50	1	4	30	148	378	657	832	763	497	184	11	2	3508
55	0	1	8	67	240	508	677	608	353	87	2	0	2552
60	0	0	2	22	125	361	522	453	219	29	0	0	1734

Corn GDD	53	91	176	293	436	588	706	668	508	351	139	60	4070
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	94/1926	118	124	129	134	138	142	146	151	158	178/1963	67	
32	113/1919	137	144	148	152	156	159	163	168	174	193/1957	67	
28	147/1970	161	167	171	175	179	182	186	190	196	209/1960	67	
24	160/1932	181	186	190	194	197	201	204	208	214	224/1934	67	
20	178/1966	198	204	209	214	218	221	226	231	237	254/1985	66	
16	199/1975	210	218	223	228	233	238	243	248	257	262/1918	59	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/21/1939	4/29	5/ 4	5/ 7	5/10	5/13	5/15	5/18	5/22	5/26	6/13/1926	67	
32	4/ 5/1930	4/18	4/23	4/26	4/29	5/ 2	5/ 4	5/ 7	5/10	5/15	6/ 2/1919	67	
28	3/25/1943	4/ 5	4/10	4/13	4/16	4/19	4/21	4/24	4/27	5/ 2	5/13/1966	67	
24	3/24/1927	3/30	4/ 3	4/ 6	4/ 8	4/11	4/13	4/16	4/19	4/23	5/ 1/1967	67	
20	3/ 6/1985	3/17	3/22	3/25	3/28	3/31	4/ 3	4/ 6	4/ 9	4/14	4/26/1931	66	
16	3/ 1/1918	3/ 8	3/13	3/18	3/21	3/24	3/28	3/31	4/ 4	4/10	4/15/1961	59	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 9/1941	9/15	9/19	9/22	9/25	9/27	9/30	10/ 2	10/ 5	10/ 9	10/25/1963	67	
32	9/ 9/1941	9/21	9/26	9/29	10/ 2	10/ 4	10/ 7	10/10	10/13	10/18	11/ 1/1963	67	
28	9/19/1971	10/ 1	10/ 5	10/ 9	10/12	10/14	10/17	10/20	10/23	10/28	11/ 3/1944	67	
24	10/ 5/1932	10/13	10/17	10/20	10/23	10/25	10/27	10/30	11/ 2	11/ 6	11/15/1944	67	
20	10/12/1977	10/22	10/26	10/29	11/ 1	11/ 3	11/ 6	11/ 9	11/12	11/16	11/23/1963	66	
16	10/13/1969	10/29	11/ 3	11/ 7	11/10	11/12	11/15	11/18	11/21	11/26	12/ 2/1949	59	

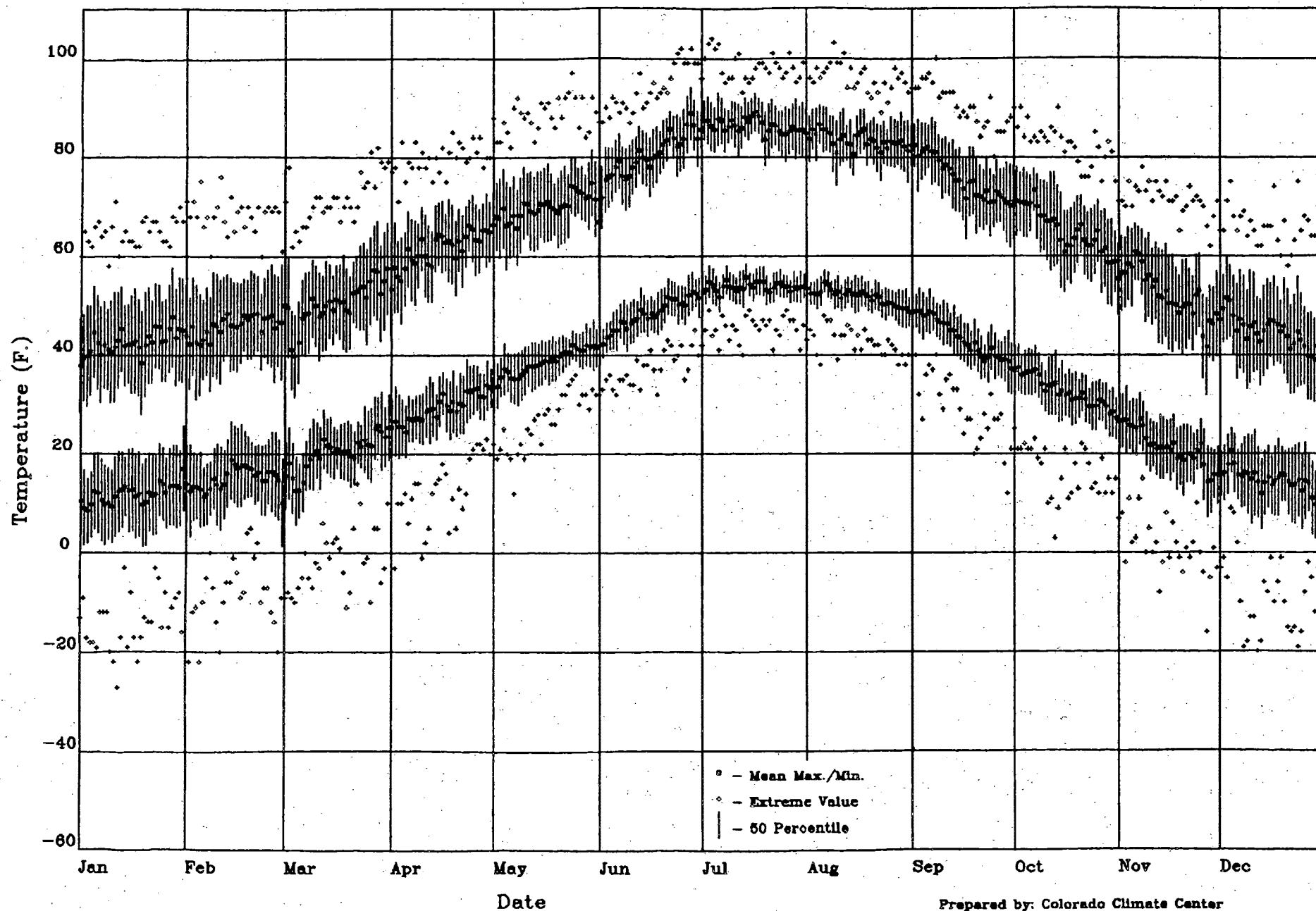
RUSH 4 N

Record: 27 years ending in 1987

Lat 38 53

Long 104 6

Elev 6110



Latitude: 38 53 Longitude: 104 6 Elevation: 6110 Period of Record: 62 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	42.6	45.9	50.5	61.4	70.0	80.1	86.3	83.4	75.8	65.4	52.3	44.7	63.2
Std. Dev.	6.0	5.1	5.1	3.9	4.2	3.6	2.6	3.2	3.5	5.3	4.2	5.6	
Mean Min.	11.9	15.1	20.2	29.3	38.5	48.3	53.8	51.7	43.4	32.6	21.3	14.7	31.7
Std. Dev.	5.2	4.5	3.9	3.7	2.7	3.3	1.9	1.5	2.3	3.2	3.1	4.1	
Num. Yrs.	25	25	25	26	26	27	26	26	27	27	26	26	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	698	547	452	177	45	3	0	0	19	117	393	621	3072
55	853	686	601	293	102	10	0	2	44	214	538	775	4118
57	915	742	662	346	136	17	0	3	60	262	598	836	4578
60	1008	827	754	431	198	34	1	7	93	341	688	929	5312
65	1163	968	908	578	332	89	10	28	182	488	838	1084	6669

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	2	14	87	290	473	397	190	35	0	0	1487
57	0	0	1	7	58	237	411	337	146	22	0	0	1219
60	0	0	0	2	28	165	319	248	89	8	0	0	860
65	0	0	0	0	7	71	173	115	28	0	0	0	395
70	0	0	0	0	1	19	62	28	5	0	0	0	116

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	15	28	66	211	454	725	938	859	598	313	78	22	4308
45	2	9	25	111	310	577	783	704	454	190	28	6	3199
50	0	2	7	46	184	431	628	550	315	93	5	1	2262
55	0	0	2	14	87	290	473	397	190	35	0	0	1487
60	0	0	0	2	28	165	319	248	89	8	0	0	860

Corn GDD 37 48 86 187 312 454 582 535 391 252 98 43 3027

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	89/1970	93	99	103	107	110	114	117	121	127	143/1981	24
32	101/1976	107	114	119	124	128	132	137	142	150	158/1963	24
28	121/1971	129	136	141	146	150	154	159	164	171	181/1960	24
24	141/1965	148	154	158	162	166	169	173	178	184	192/1960	22
20	161/1984	167	175	181	186	191	195	200	206	214	239/1965	22
16	177/1966	187	195	201	205	210	214	219	225	232	240/1965	21

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/ 3/1962	5/19	5/23	5/26	5/28	5/31	6/ 2	6/ 5	6/ 8	6/12	6/18/1976	24
32	5/ 2/1962	5/ 7	5/12	5/15	5/18	5/21	5/24	5/27	5/30	6/ 4	6/18/1976	24
28	4/ 9/1985	4/25	4/29	5/ 2	5/ 4	5/ 7	5/ 9	5/11	5/14	5/18	5/19/1971	24
24	4/ 5/1971	4/12	4/18	4/21	4/24	4/27	4/30	5/ 4	5/ 7	5/12	5/15/1967	22
20	3/27/1965	4/ 2	4/ 7	4/11	4/14	4/17	4/19	4/22	4/26	5/ 1	5/10/1979	22
16	3/18/1960	3/21	3/26	3/30	4/ 2	4/ 5	4/ 8	4/12	4/15	4/20	5/ 7/1978	21

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	9/ 3/1961	9/ 6	9/10	9/13	9/16	9/18	9/20	9/23	9/26	9/30	10/10/1981	24
32	9/ 3/1961	9/10	9/16	9/20	9/23	9/26	9/29	10/ 3	10/ 7	10/12	10/27/1963	24
28	9/ 4/1961	9/16	9/22	9/26	9/30	10/ 3	10/ 7	10/10	10/15	10/20	10/29/1960	24
24	9/16/1965	9/22	9/29	10/ 3	10/ 7	10/10	10/14	10/17	10/22	10/28	11/ 8/1960	22
20	9/19/1971	10/ 2	10/ 9	10/15	10/20	10/24	10/29	11/ 2	11/ 8	11/15	11/21/1965	22
16	9/29/1985	10/12	10/19	10/24	10/28	11/ 1	11/ 5	11/ 9	11/14	11/21	11/26/1981	21

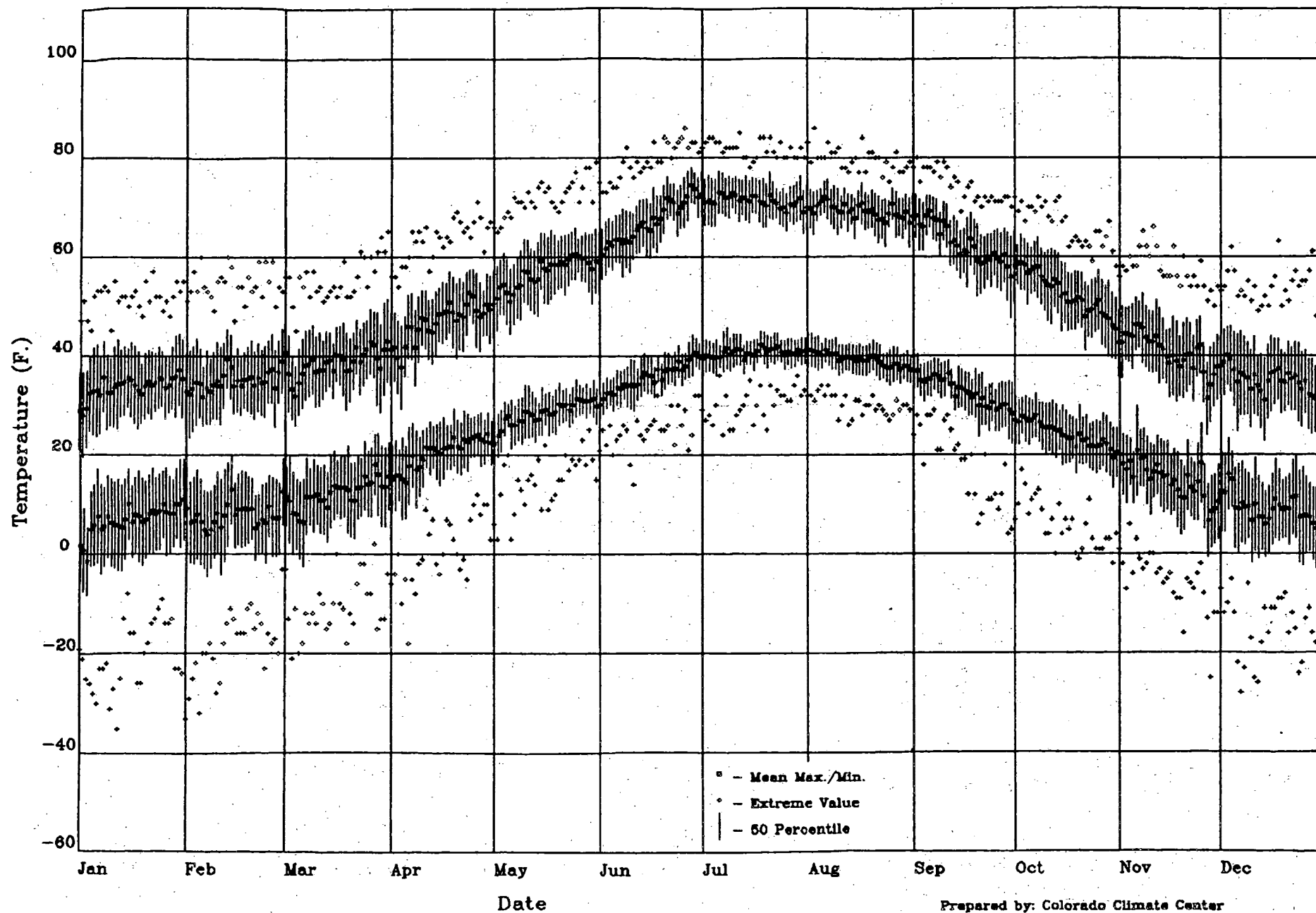
RUXTON PARK

Record: 29 years ending in 1987

Lat 38 51

Long 104 59

Elev 9050



Latitude: 38 51 Longitude: 104 59 Elevation: 9050 Period of Record: 29 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	33.7	34.8	38.6	46.8	56.8	66.8	71.3	69.2	62.8	52.7	40.8	35.0	50.8
Std. Dev.	3.8	3.5	4.4	4.5	3.5	2.9	2.8	2.3	2.7	3.9	3.8	4.0	
Mean Min.	6.9	7.6	12.2	20.5	28.5	35.7	40.7	39.2	32.7	24.1	14.9	8.9	22.7
Std. Dev.	4.1	4.0	4.1	4.0	2.9	2.4	2.7	2.3	3.1	4.0	4.2	4.0	
Num. Yrs.	28	28	28	28	27	27	28	28	28	29	28	29	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	913	806	752	486	234	56	8	10	104	349	658	861	5236
55	1068	948	907	635	378	137	36	58	217	499	807	1016	6705
57	1130	1004	968	695	439	183	63	98	271	560	867	1078	7355
60	1223	1089	1061	785	531	261	127	175	358	651	957	1171	8387
65	1377	1230	1215	935	686	406	268	324	506	804	1107	1325	10184

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	2	31	73	42	8	0	0	0	157
57	0	0	0	0	1	17	39	20	3	0	0	0	81
60	0	0	0	0	0	5	11	5	1	0	0	0	22
65	0	0	0	0	0	0	1	0	0	0	0	0	1
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	2	4	31	139	348	495	444	256	72	7	1	1800
45	0	0	0	7	54	212	343	291	132	19	1	0	1061
50	0	0	0	1	13	100	198	147	44	3	1	0	506
55	0	0	0	0	2	31	73	42	8	0	0	0	157
60	0	0	0	0	0	5	11	5	1	0	0	0	22

Corn GDD 1 3 7 39 128 255 326 296 198 84 12 3 1351

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1965	1	9	14	19	23	28	32	38	45	59/1964	25
32	0/1982	25	35	43	49	55	61	68	75	85	88/1977	23
28	0/1982	53	66	75	83	90	97	105	113	126	147/1963	23
24	72/1985	88	99	108	115	122	128	136	144	156	184/1963	23
20	110/1970	110	120	127	133	138	144	150	157	166	172/1962	22
16	127/1975	134	143	149	154	159	164	170	176	185	209/1987	21

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/18/1986	6/29	7/ 2	7/ 5	7/ 7	7/ 9	7/12	7/14	7/17	7/20	7/19/1965	25
32	6/ 1/1977	6/ 9	6/14	6/18	6/21	6/25	6/28	7/ 1	7/ 5	7/10	7/19/1982	23
28	5/17/1961	5/24	5/30	6/ 3	6/ 7	6/11	6/15	6/18	6/23	6/29	7/19/1982	23
24	4/30/1963	5/ 3	5/11	5/17	5/22	5/27	5/31	6/ 5	6/11	6/19	7/ 7/1982	23
20	4/22/1977	4/29	5/ 5	5/10	5/14	5/18	5/21	5/25	5/30	6/ 5	6/11/1975	22
16	4/ 6/1971	4/16	4/23	4/27	5/ 2	5/ 5	5/ 9	5/13	5/18	5/25	6/11/1975	21

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1965	7/18	7/23	7/27	7/30	8/ 2	8/ 5	8/ 8	8/12	8/17	8/28/1963	25
32	7/19/1982	7/26	8/ 3	8/ 9	8/14	8/19	8/23	8/28	9/ 3	9/11	9/25/1963	23
28	7/19/1982	8/18	8/25	8/31	9/ 4	9/ 9	9/13	9/17	9/23	9/30	10/16/1963	23
24	9/ 1/1965	9/ 7	9/14	9/18	9/22	9/26	9/29	10/ 3	10/ 8	10/14	10/31/1963	23
20	9/ 4/1961	9/17	9/22	9/26	9/30	10/ 3	10/ 6	10/ 9	10/13	10/19	10/21/1972	22
16	9/17/1965	9/24	9/30	10/ 4	10/ 8	10/12	10/15	10/19	10/24	10/30	11/ 9/1987	21

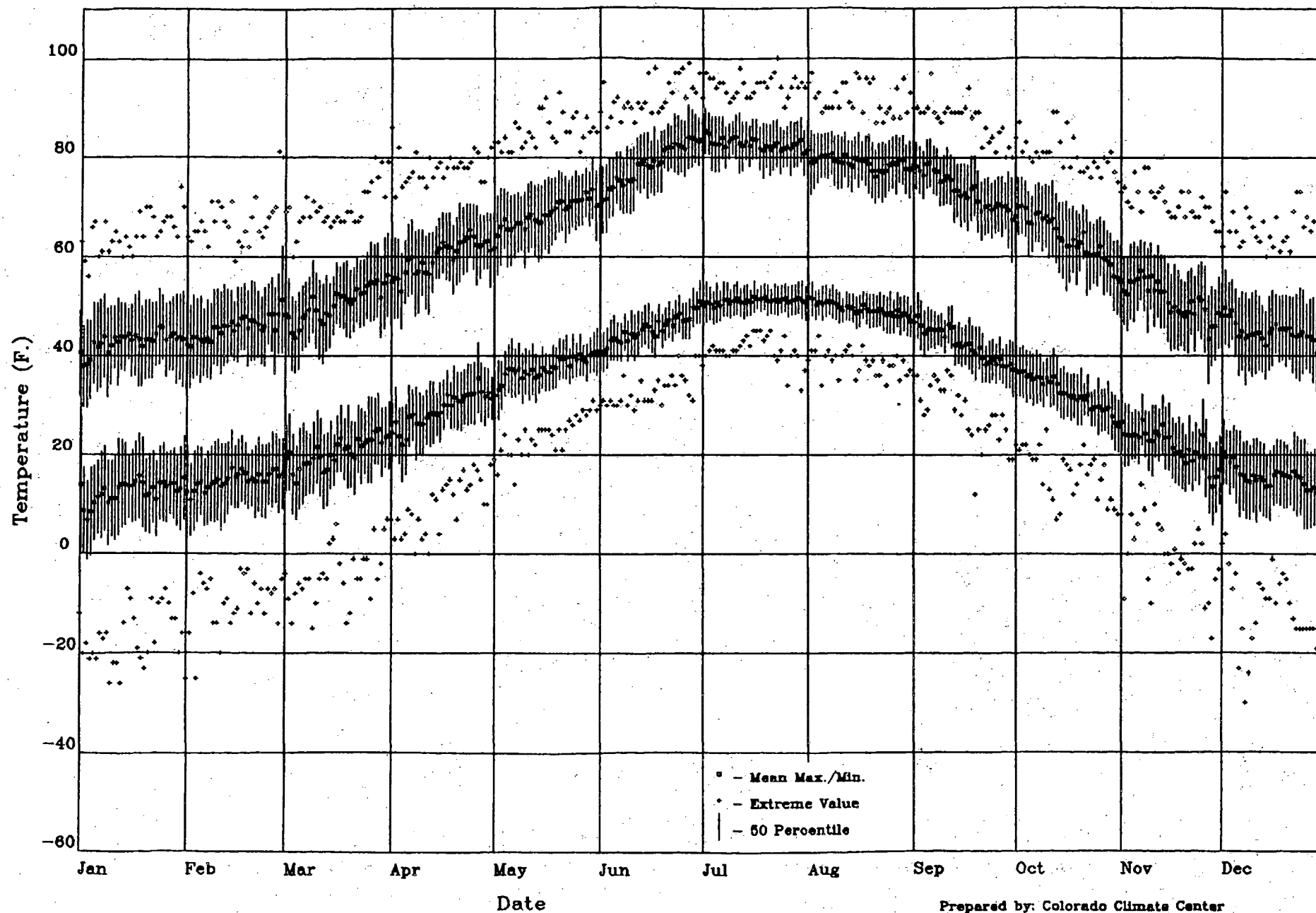
RYE

Record: 40 years ending in 1987

Lat 37 55

Long 104 56

Elev 6790



Prepared by: Colorado Climate Center

Latitude: 37 55 Longitude: 104 56 Elevation: 6790 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	42.8	45.5	50.4	60.0	68.6	78.4	82.7	78.9	73.4	63.7	51.3	44.7	61.7
Std. Dev.	4.9	5.2	5.0	4.6	4.9	5.5	3.6	5.0	4.5	5.3	5.0	5.0	
Mean Min.	12.6	14.9	20.6	29.2	37.6	45.4	51.1	49.4	42.2	32.4	21.6	15.3	31.0
Std. Dev.	6.0	5.5	4.9	4.5	3.3	3.3	2.7	2.9	3.4	3.7	4.0	5.4	
Num. Yrs.	39	37	37	37	38	38	38	39	37	37	38	36	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	682	554	443	197	53	7	0	1	17	128	400	612	3094
55	836	694	592	317	118	21	1	4	48	232	547	767	4175
57	897	750	653	370	155	32	1	8	68	283	606	829	4654
60	990	835	745	456	224	56	5	19	113	366	696	922	5426
65	1145	976	898	603	364	128	30	70	221	517	846	1077	6872

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	1	0	1	13	64	234	377	296	138	25	0	0	1149
57	1	0	1	7	40	185	315	237	99	15	0	0	900
60	1	0	0	3	17	120	226	155	54	5	0	0	580
65	0	0	0	0	3	42	96	52	14	0	0	0	207
70	0	0	0	0	0	7	20	7	2	0	0	0	37

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	16	23	61	198	415	662	841	756	539	284	70	20	3883
45	5	7	22	105	274	514	686	601	394	165	22	4	2798
50	1	1	6	43	153	370	531	447	256	76	4	1	1888
55	1	0	1	13	64	234	377	296	138	25	0	0	1149
60	1	0	0	3	17	120	226	155	54	5	0	0	580

Corn GDD 25 35 71 171 291 427 525 467 354 225 80 31 2702

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	45/1982	65	75	82	89	95	101	107	114	125	129/1958	31
32	76/1973	97	106	112	117	122	127	132	139	147	162/1958	30
28	123/1968	132	139	144	148	152	156	161	166	173	186/1963	29
24	133/1978	151	159	164	169	173	177	182	187	194	199/1956	28
20	137/1978	165	173	178	183	187	191	196	201	209	214/1965	28
16	172/1978	186	194	200	205	210	214	219	225	234	244/1958	24

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/10/1958	5/20	5/26	5/30	6/ 3	6/ 6	6/ 9	6/13	6/17	6/23	6/27/1969	31
32	5/ 1/1958	5/11	5/17	5/21	5/24	5/27	5/31	6/ 3	6/ 7	6/13	6/27/1969	30
28	4/22/1959	4/27	5/ 1	5/ 4	5/ 6	5/ 9	5/11	5/14	5/17	5/21	5/28/1973	29
24	4/ 7/1981	4/12	4/17	4/20	4/24	4/26	4/29	5/ 2	5/ 6	5/11	5/13/1953	28
20	4/ 5/1955	4/ 7	4/11	4/15	4/18	4/20	4/23	4/26	4/29	5/ 4	5/11/1979	28
16	3/ 8/1967	3/21	3/27	4/ 1	4/ 5	4/ 8	4/12	4/16	4/20	4/26	5/ 7/1978	24

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/26/1982	8/17	8/25	8/31	9/ 4	9/ 9	9/13	9/18	9/23	10/ 1	9/29/1963	31
32	9/ 3/1961	9/11	9/17	9/20	9/24	9/27	9/30	10/ 3	10/ 7	10/12	10/17/1981	30
28	9/ 4/1961	9/20	9/26	10/ 1	10/ 5	10/ 8	10/12	10/16	10/20	10/26	11/ 2/1950	29
24	9/19/1978	10/ 1	10/ 6	10/10	10/13	10/16	10/19	10/23	10/27	11/ 1	11/ 3/1950	28
20	9/21/1978	10/ 7	10/13	10/17	10/21	10/24	10/28	10/31	11/ 4	11/10	11/17/1958	28
16	10/ 9/1970	10/19	10/24	10/28	11/ 1	11/ 4	11/ 7	11/11	11/15	11/20	11/29/1954	24

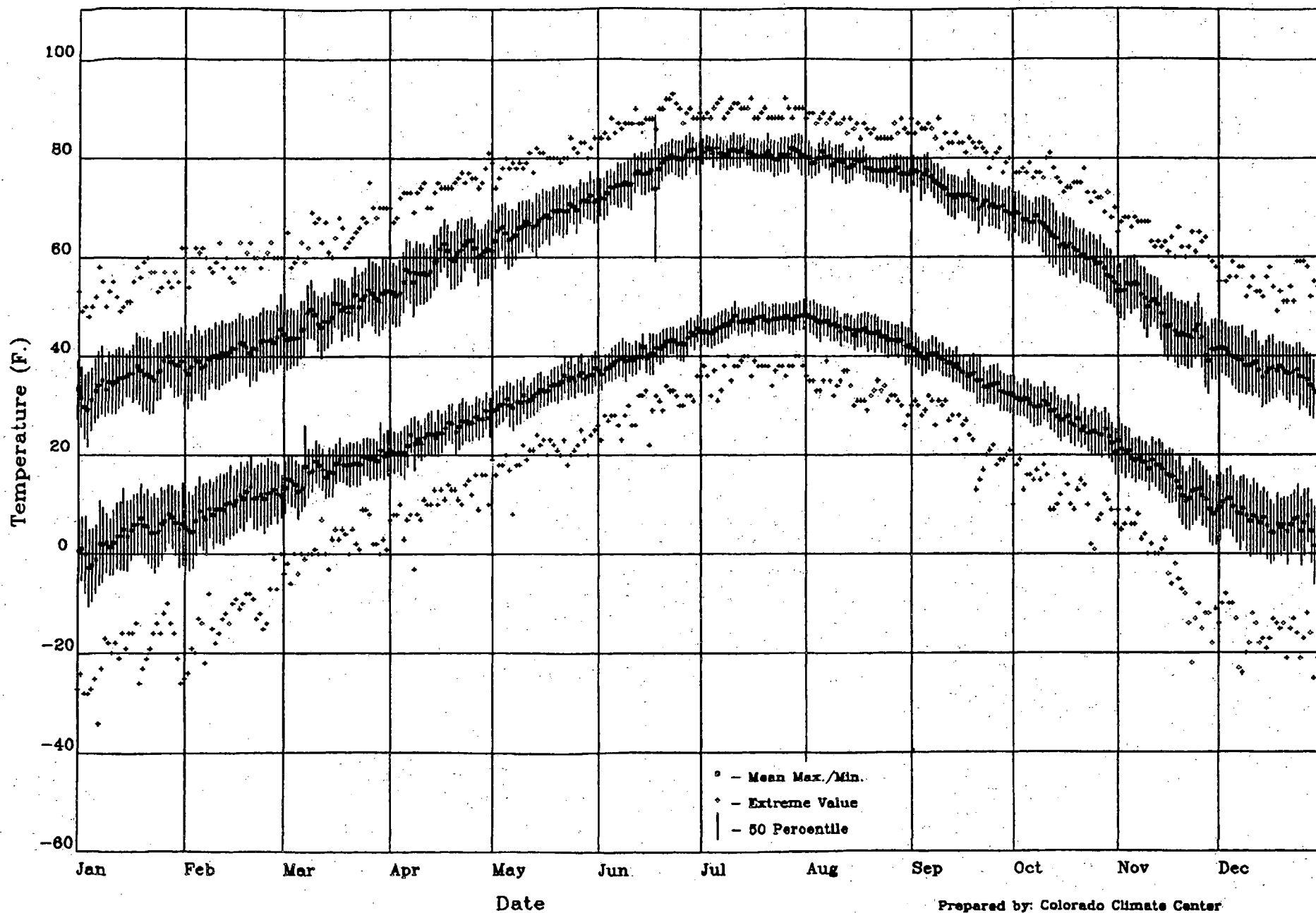
SAGUACHE

Record: 40 years ending in 1987

Lat 38 5

Long 106 9

Elev 7700



Prepared by: Colorado Climate Center

Latitude: 38 5 Longitude: 106 9 Elevation: 7700

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	35.6	40.8	48.8	58.6	67.7	77.0	80.9	78.6	72.9	62.9	47.8	37.4	59.1
Std. Dev.	5.3	5.5	3.9	3.8	3.2	3.0	2.3	1.9	3.2	4.3	4.5	4.9	
Mean Min.	3.7	9.8	17.5	24.5	33.1	40.8	46.9	45.1	36.9	27.4	15.5	6.6	25.7
Std. Dev.	6.0	6.0	2.7	3.1	2.7	2.5	2.6	3.5	3.3	3.5	4.0	5.3	
Num. Yrs.	39	39	39	39	39	39	39	40	40	40	40	40	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	933	689	516	252	63	4	0	0	15	165	542	856	4035
55	1088	831	671	396	156	20	0	1	56	300	692	1010	5219
57	1149	887	733	456	206	35	0	4	89	361	752	1072	5744
60	1242	972	825	546	292	72	5	19	156	453	841	1164	6587
65	1397	1113	980	696	445	179	52	100	295	608	991	1318	8175

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	20	141	283	221	60	2	0	0	727
57	0	0	0	0	9	97	222	162	33	1	0	0	524
60	0	0	0	0	2	45	134	84	11	0	0	0	276
65	0	0	0	0	0	5	28	11	0	0	0	0	44
70	0	0	0	0	0	0	1	0	0	0	0	0	1

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	1	2	17	113	333	565	744	682	453	194	14	0	3118
45	0	0	2	38	193	418	590	528	306	86	1	0	2163
50	0	0	0	6	82	273	436	373	168	22	0	0	1362
55	0	0	0	0	20	141	283	221	60	2	0	0	727
60	0	0	0	0	2	45	134	84	11	0	0	0	276

Corn GDD 3 11 48 145 275 398 481 446 342 207 45 3 2404

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	6/1978	46	56	64	70	76	82	88	96	106	107/1960	33
32	40/1978	70	80	88	94	100	106	112	119	130	137/1952	30
28	81/1975	101	110	116	121	126	131	136	143	151	168/1963	29
24	98/1978	128	137	143	149	154	159	165	171	180	187/1952	29
20	114/1978	146	156	163	169	175	181	187	194	204	219/1962	29
16	136/1978	168	178	185	192	197	203	209	216	226	234/1986	29

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/29/1956	6/2	6/7	6/11	6/14	6/16	6/19	6/22	6/26	7/1	7/16/1978	33
32	5/15/1956	5/21	5/26	5/31	6/3	6/7	6/10	6/14	6/18	6/24	7/6/1978	30
28	4/27/1985	5/9	5/14	5/18	5/21	5/23	5/26	5/29	6/2	6/6	6/12/1976	29
24	4/2/1952	4/21	4/27	5/1	5/4	5/7	5/10	5/14	5/18	5/23	6/8/1978	29
20	4/1/1985	4/7	4/13	4/18	4/22	4/26	4/29	5/3	5/8	5/14	5/29/1978	29
16	3/19/1986	3/30	4/5	4/9	4/12	4/16	4/19	4/22	4/27	5/2	5/7/1975	29

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/22/1978	8/10	8/18	8/23	8/27	8/31	9/4	9/9	9/14	9/21	9/29/1963	33
32	8/9/1975	8/27	9/2	9/7	9/11	9/15	9/18	9/22	9/27	10/3	10/7/1967	30
28	8/30/1978	9/9	9/15	9/19	9/23	9/27	9/30	10/4	10/8	10/14	10/28/1963	29
24	9/14/1978	9/22	9/28	10/2	10/5	10/8	10/11	10/15	10/19	10/24	11/1/1963	29
20	9/20/1978	9/29	10/5	10/10	10/14	10/17	10/21	10/25	10/30	11/5	11/10/1965	29
16	9/20/1978	10/13	10/19	10/23	10/26	10/30	11/2	11/6	11/10	11/16	11/19/1965	29

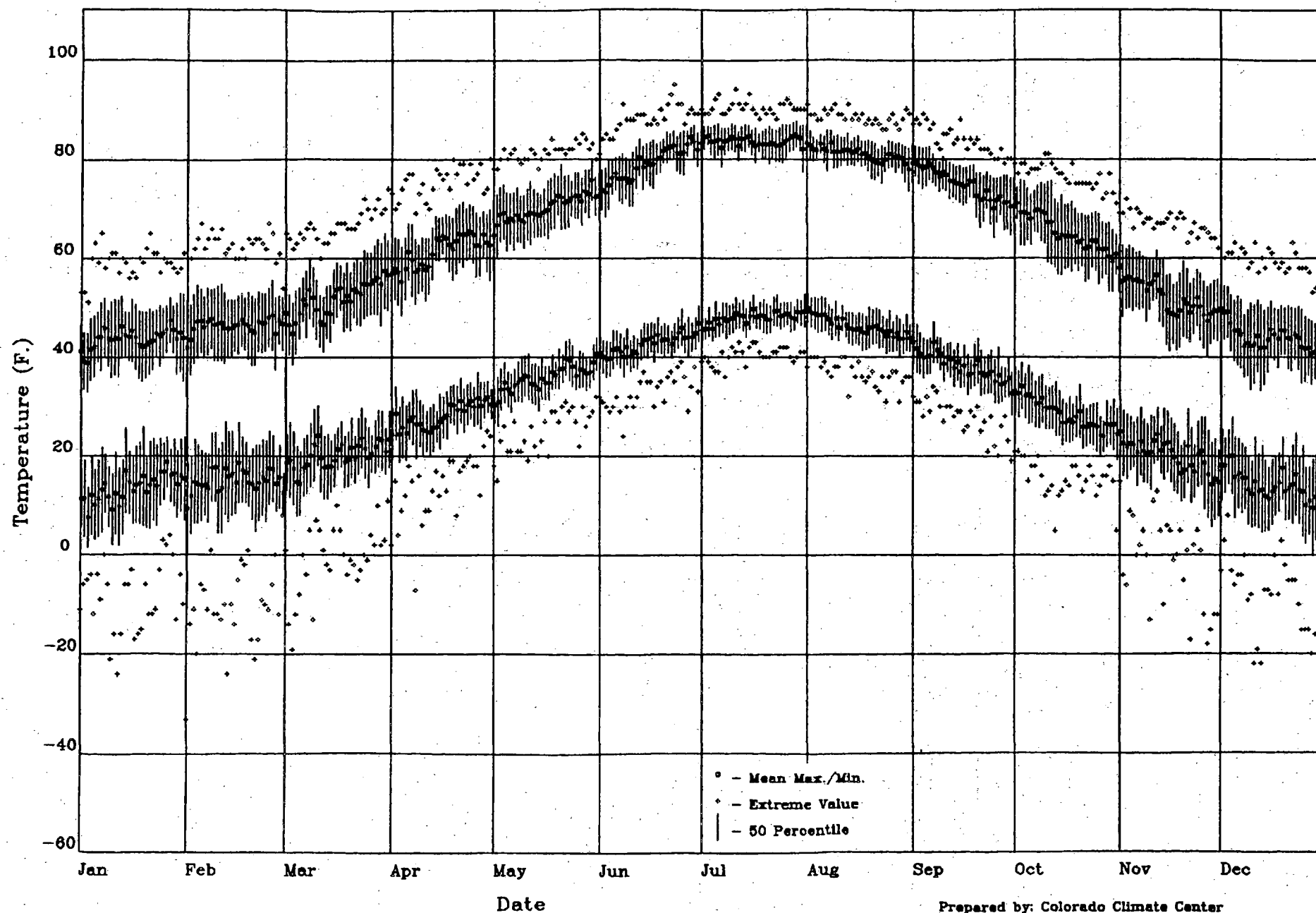
SALIDA

Record: 27 years ending in 1987

Lat 38 32

Long 106 0

Elev 7060



Latitude: 38 32 Longitude: 106 0 Elevation: 7060 Period of Record: 27 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	43.7	46.4	51.8	61.4	70.1	78.9	83.5	81.0	74.9	65.2	52.2	44.0	62.7
Std. Dev.	3.5	4.8	3.6	3.4	2.7	2.7	1.6	1.8	3.1	5.6	4.9	3.8	
Mean Min.	13.6	15.1	20.1	28.1	35.8	42.7	47.9	46.1	38.2	28.5	20.2	14.0	29.2
Std. Dev.	4.1	4.6	2.9	1.8	1.6	1.4	1.6	2.4	2.0	2.4	4.1	3.6	
Num. Yrs.	25	25	25	25	25	25	26	27	27	27	27	26	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	644	532	429	174	35	1	0	0	8	127	407	643	2999
55	797	671	583	303	98	9	0	0	32	250	555	797	4094
57	858	727	645	361	139	18	0	1	56	307	614	858	4585
60	949	811	738	450	216	42	1	7	112	397	704	951	5379
65	1102	951	892	600	365	129	22	60	244	550	853	1105	6874

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	3	42	190	339	271	86	7	0	0	938
57	0	0	0	1	22	139	277	210	51	3	0	0	703
60	0	0	0	0	6	73	186	124	18	1	0	0	408
65	0	0	0	0	0	11	52	24	2	0	0	0	89
70	0	0	0	0	0	1	3	1	0	0	0	0	5

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	9	15	46	180	411	629	802	728	499	239	49	10	3619
45	1	3	10	81	264	480	648	576	353	119	11	2	2548
50	0	0	1	23	134	331	494	423	210	39	2	0	1657
55	0	0	0	3	42	190	339	271	86	7	0	0	938
60	0	0	0	0	6	73	186	124	18	1	0	0	408

Corn GDD 17 31 75 180 312 433 522 482 372 243 77 20 2764

Growing Season

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	46/1968	55	63	69	73	78	82	87	92	100	107/1963	20
32	47/1985	80	89	95	100	105	110	116	122	131	135/1959	20
28	105/1954	119	125	129	133	136	139	143	147	153	160/1969	19
24	129/1954	138	146	151	156	160	164	169	174	182	190/1963	18
20	149/1986	159	167	172	177	181	185	189	195	202	220/1963	18
16	176/1953	183	190	195	200	204	208	213	218	225	242/1963	17

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/29/1952	6/ 1	6/ 6	6/ 9	6/12	6/15	6/17	6/20	6/24	6/28	7/ 8/1955	20
32	5/ 6/1959	5/10	5/17	5/21	5/25	5/29	6/ 2	6/ 6	6/11	6/18	6/27/1985	20
28	4/27/1957	5/ 1	5/ 5	5/ 9	5/12	5/15	5/18	5/21	5/24	5/29	6/ 8/1954	19
24	4/14/1955	4/15	4/22	4/26	4/30	5/ 4	5/ 7	5/11	5/16	5/22	6/ 8/1954	18
20	3/26/1963	4/ 7	4/12	4/16	4/19	4/22	4/25	4/28	5/ 2	5/ 7	5/17/1986	18
16	3/20/1963	3/21	3/26	3/30	4/ 2	4/ 5	4/ 8	4/11	4/14	4/19	5/ 2/1953	17

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	8/13/1985	8/16	8/21	8/25	8/28	8/31	9/ 3	9/ 7	9/10	9/16	9/26/1963	20
32	8/13/1985	8/27	9/ 1	9/ 5	9/ 9	9/12	9/15	9/18	9/22	9/27	9/30/1963	20
28	9/ 4/1961	9/14	9/19	9/22	9/25	9/28	9/30	10/ 3	10/ 7	10/11	10/16/1963	19
24	9/23/1985	9/26	10/ 1	10/ 5	10/ 8	10/11	10/14	10/17	10/20	10/25	11/ 3/1950	18
20	10/ 3/1961	10/ 6	10/10	10/14	10/17	10/20	10/22	10/25	10/29	11/ 2	11/ 7/1962	18
16	10/ 5/1959	10/11	10/16	10/20	10/23	10/26	10/29	11/ 1	11/ 5	11/10	11/17/1963	17

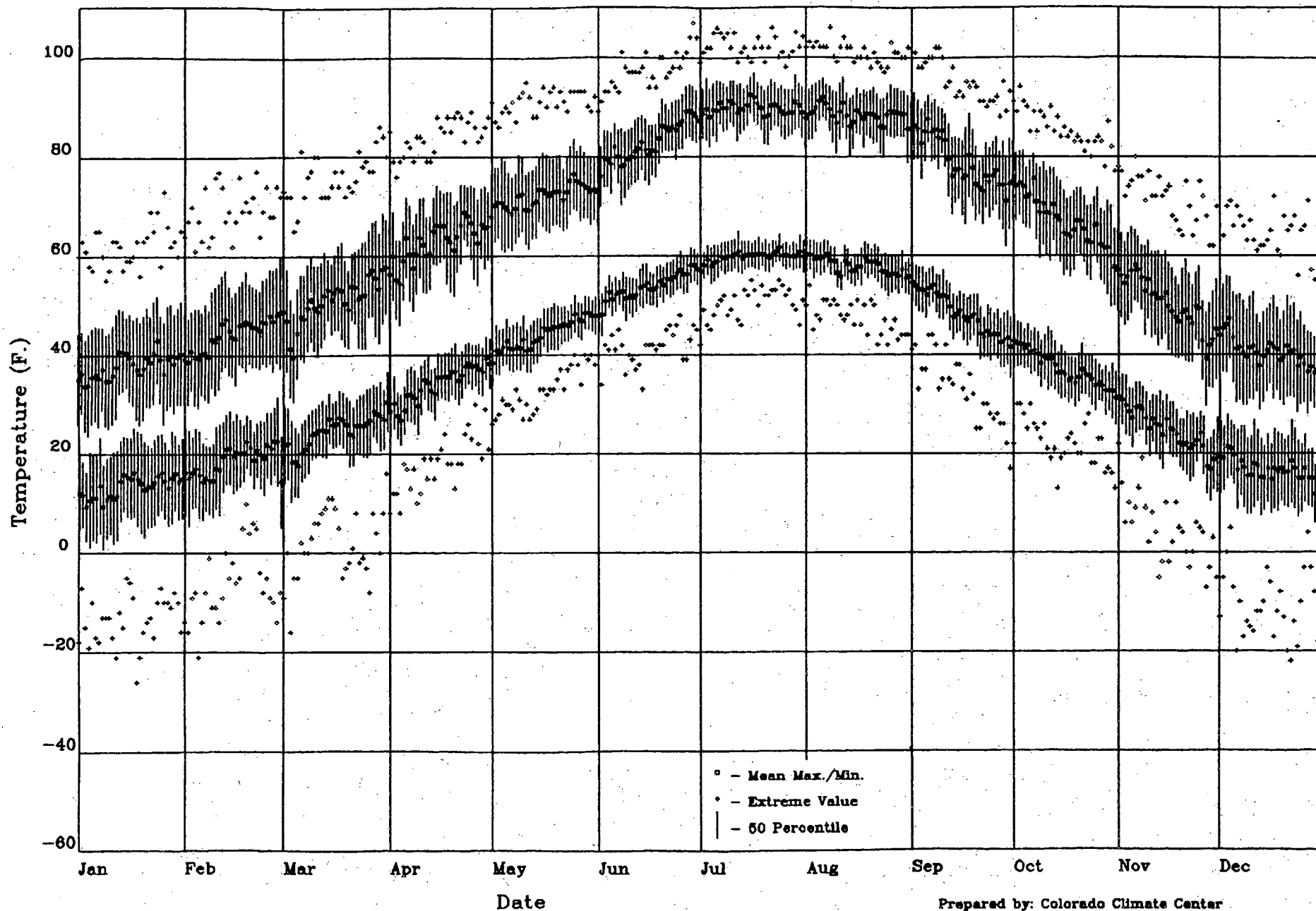
SEDGWICK 5 S

Record: 30 years ending in 1987

Lat 40 51

Long 102 31

Elev 3990



Prepared by: Colorado Climate Center

Latitude: 40 51 Longitude: 102 31 Elevation: 3990 Period of Record: 36 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	37.8	44.0	51.0	62.8	71.9	82.5	89.6	88.5	79.1	67.3	50.4	40.4	63.8
Std. Dev.	5.7	6.1	5.5	4.3	3.9	3.6	2.7	2.9	4.1	4.5	4.9	6.4	
Mean Min.	13.4	18.8	24.6	34.1	44.2	53.7	59.8	57.9	48.2	37.1	24.6	16.5	36.1
Std. Dev.	4.8	4.0	3.8	2.8	2.3	2.0	1.8	1.9	2.5	2.6	3.1	4.1	
Num. Yrs.	29	29	29	29	29	28	29	29	29	29	30	30	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	748	522	389	132	21	0	0	0	12	79	375	662	2939
55	903	660	530	227	59	3	0	0	29	151	516	816	3895
57	965	716	590	273	82	6	0	0	40	190	575	878	4317
60	1058	801	681	350	127	14	1	1	62	258	664	971	4988
65	1213	942	836	491	230	44	3	7	118	393	813	1126	6216

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	4	38	161	404	616	571	296	72	1	0	2164
57	0	0	2	25	123	347	554	510	247	49	0	0	1856
60	0	0	1	11	74	265	462	417	178	25	0	0	1433
65	0	0	0	2	23	144	310	268	84	5	0	0	836
70	0	0	0	0	4	57	168	137	28	0	0	0	395

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	10	35	104	291	567	851	1080	1036	718	401	88	20	5202
45	1	12	49	179	417	701	925	881	571	267	35	5	4044
50	0	3	18	93	277	551	771	726	429	154	10	1	3033
55	0	1	4	38	161	404	616	571	296	72	1	0	2164
60	0	0	1	11	74	265	462	417	178	25	0	0	1433

Corn GDD	16	40	97	210	347	528	685	651	450	280	84	27	3414
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	112/1965	113	120	125	129	133	137	142	147	154	168/1987	26	
32	126/1983	134	141	146	151	155	159	163	169	176	191/1962	26	
28	131/1983	150	159	165	170	175	180	185	192	200	225/1965	26	
24	168/1966	174	182	187	192	196	200	205	210	218	242/1965	26	
20	178/1966	189	197	203	208	213	217	222	228	236	252/1978	25	
16	196/1966	207	215	222	227	232	237	242	249	257	263/1984	24	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	4/22/1977	4/28	5/ 4	5/ 8	5/11	5/14	5/18	5/21	5/25	5/30	6/14/1969	26	
32	4/12/1962	4/19	4/23	4/26	4/28	5/ 1	5/ 3	5/ 5	5/ 8	5/12	5/17/1969	26	
28	3/30/1965	4/ 6	4/11	4/15	4/18	4/20	4/23	4/26	4/30	5/ 5	5/13/1966	26	
24	3/17/1960	3/30	4/ 3	4/ 6	4/ 9	4/12	4/14	4/17	4/21	4/25	4/30/1966	26	
20	3/ 4/1978	3/19	3/25	3/29	4/ 1	4/ 4	4/ 7	4/10	4/14	4/20	4/28/1984	25	
16	3/ 4/1978	3/ 8	3/14	3/18	3/22	3/26	3/29	4/ 2	4/ 6	4/12	4/20/1966	24	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 3/1974	9/11	9/15	9/19	9/22	9/25	9/28	10/ 1	10/ 4	10/ 9	10/27/1963	26	
32	9/17/1965	9/19	9/24	9/27	9/30	10/ 3	10/ 5	10/ 8	10/11	10/16	10/28/1963	26	
28	9/20/1983	9/26	10/ 2	10/ 6	10/ 9	10/13	10/16	10/19	10/23	10/29	11/10/1965	26	
24	9/29/1985	10/ 8	10/14	10/18	10/22	10/25	10/28	11/ 1	11/ 5	11/11	11/27/1965	26	
20	9/30/1985	10/17	10/23	10/27	10/30	11/ 3	11/ 6	11/ 9	11/13	11/19	11/29/1965	25	
16	10/14/1969	10/27	11/ 2	11/ 6	11/ 9	11/13	11/16	11/19	11/23	11/29	12/11/1962	24	

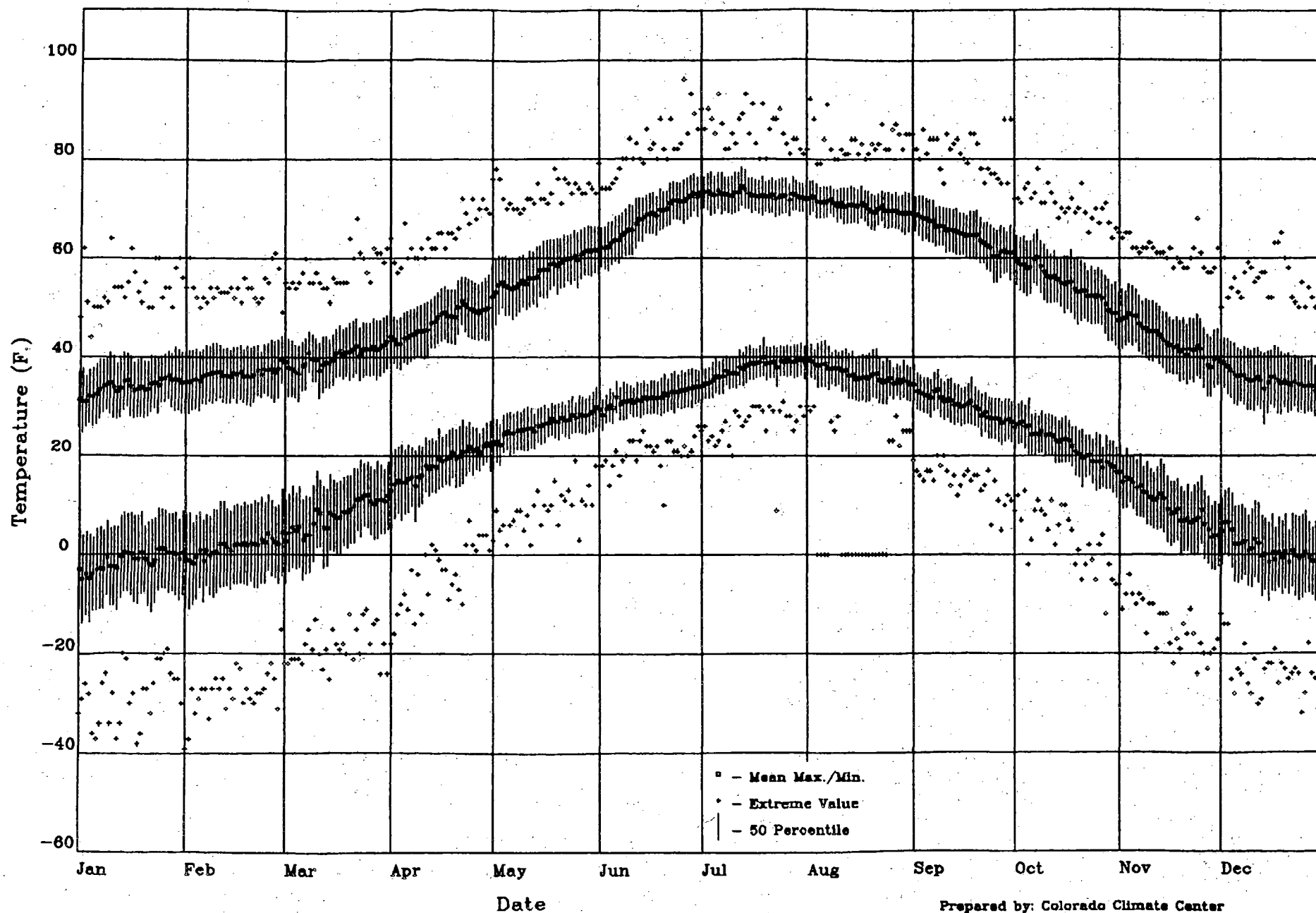
SILVERTON

Record: 80 years ending in 1987

Lat 37 48

Long 107 40

Elev 9320



Latitude: 37 48 Longitude: 107 40 Elevation: 9320 Period of Record: 82 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	33.9	36.4	40.1	47.1	57.3	67.8	72.8	70.4	64.7	55.0	43.4	35.3	52.0
Std. Dev.	3.8	4.2	3.7	4.2	4.1	3.3	2.7	2.5	3.4	4.2	4.1	4.1	
Mean Min.	-1.3	1.3	8.1	18.5	26.3	31.8	37.8	36.5	30.1	22.1	9.8	0.9	18.5
Std. Dev.	4.5	4.6	4.1	3.9	2.5	2.3	2.2	3.6	2.8	3.0	3.6	4.0	
Num. Yrs.	76	79	79	75	76	72	72	74	73	73	76	77	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1029	867	788	506	248	57	3	11	94	347	691	977	5617
55	1183	1008	941	654	398	158	31	64	222	501	840	1132	7130
57	1244	1064	1002	714	459	211	65	110	280	563	900	1193	7805
60	1337	1148	1094	803	551	296	141	196	369	655	990	1286	8866
65	1491	1288	1247	952	704	444	291	350	519	810	1139	1440	10675

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	10	47	24	2	0	0	0	83
57	0	0	0	0	0	4	20	8	1	0	0	0	33
60	0	0	0	0	0	1	4	1	0	0	0	0	5
65	0	0	0	0	0	0	0	0	0	0	0	0	1
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	1	14	108	300	476	426	235	57	1	0	1619
45	0	0	0	2	29	163	323	273	106	10	0	0	905
50	0	0	0	0	3	58	172	125	24	1	0	0	384
55	0	0	0	0	0	10	47	24	2	0	0	0	83
60	0	0	0	0	0	1	4	1	0	0	0	0	5

Corn GDD	1	1	6	31	129	265	350	316	222	105	17	2	1446
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	0/1906	0	1	3	6	8	10	13	15	19	30/1966	72	
32	0/1906	4	13	19	24	30	35	40	46	55	73/1969	67	
28	5/1987	36	45	52	58	63	69	74	81	90	108/1940	64	
24	39/1931	65	76	84	91	98	105	112	120	131	154/1963	59	
20	65/1946	94	106	114	121	128	135	142	150	162	193/1940	56	
16	95/1946	129	139	146	152	158	163	169	176	186	200/1940	55	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	6/27/1919	7/10	7/12	7/13	7/15	7/16	7/17	7/18	7/19	7/21	7/19/1906	72	
32	6/13/1928	6/28	7/ 2	7/ 4	7/ 6	7/ 8	7/10	7/12	7/15	7/18	7/19/1906	67	
28	6/ 3/1927	6/11	6/16	6/19	6/22	6/24	6/27	6/29	7/ 2	7/ 7	7/15/1987	64	
24	5/ 6/1928	5/20	5/27	6/ 1	6/ 5	6/ 9	6/13	6/17	6/22	6/29	7/10/1931	59	
20	4/18/1940	4/30	5/ 8	5/13	5/18	5/23	5/27	6/ 1	6/ 7	6/15	7/10/1931	56	
16	4/ 8/1934	4/19	4/25	4/30	5/ 3	5/ 7	5/11	5/15	5/19	5/26	6/20/1911	55	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/19/1906	7/16	7/19	7/21	7/22	7/24	7/25	7/27	7/29	7/31	8/ 9/1927	72	
32	7/19/1906	7/17	7/24	7/29	8/ 3	8/ 7	8/11	8/15	8/20	8/27	9/19/1969	67	
28	7/20/1924	8/ 5	8/12	8/18	8/22	8/26	8/31	9/ 4	9/10	9/17	9/27/1940	64	
24	7/23/1949	8/24	8/31	9/ 6	9/11	9/15	9/19	9/24	9/29	10/ 7	10/14/1954	59	
20	7/23/1949	9/ 5	9/13	9/19	9/23	9/28	10/ 2	10/ 7	10/12	10/20	10/28/1940	56	
16	7/23/1949	9/16	9/25	10/ 1	10/ 7	10/12	10/17	10/22	10/29	11/ 7	11/ 8/1944	55	

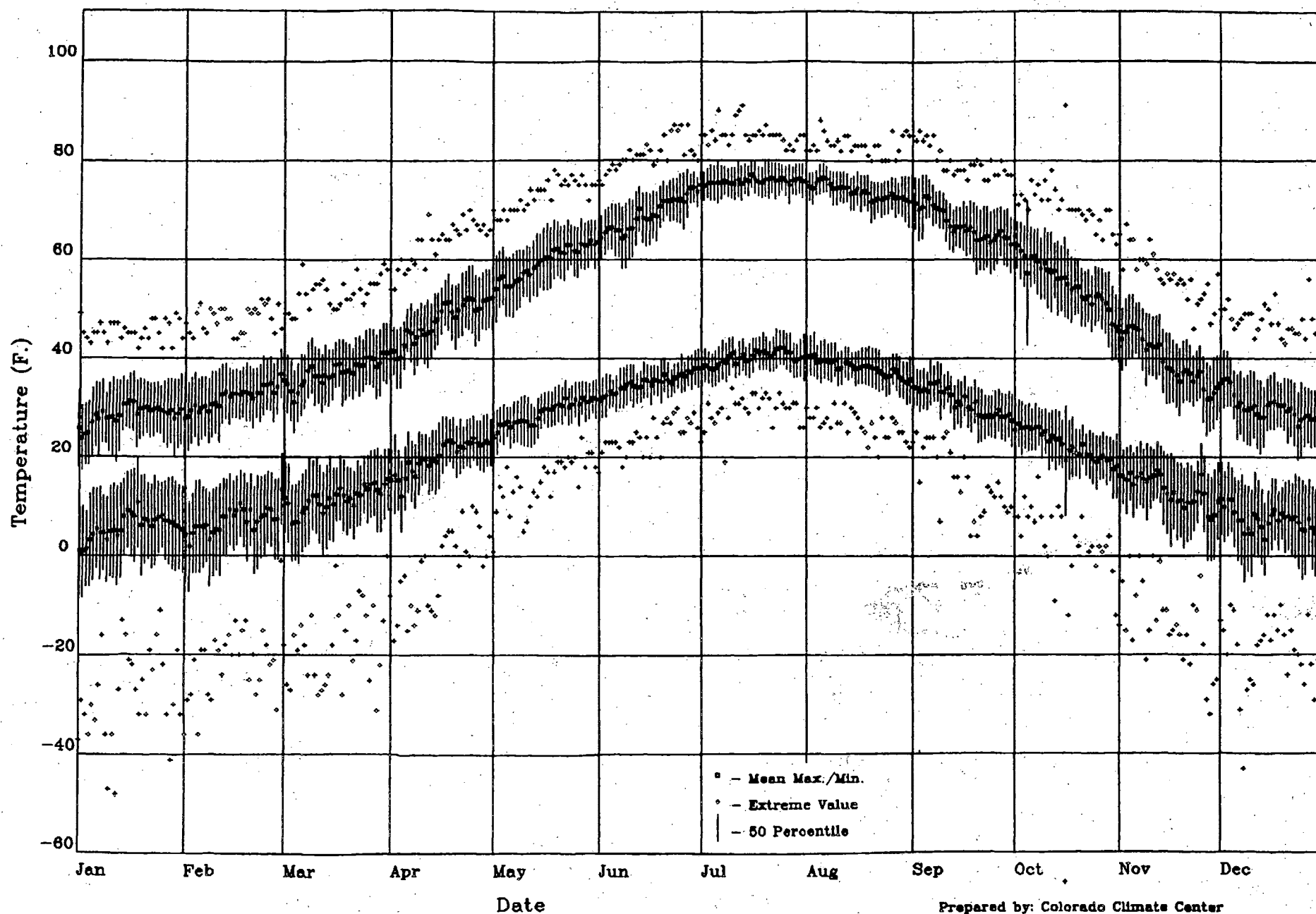
SPICER

Record: 39 years ending in 1987

Lat 40 27

Long 106 28

Elev 8380



Prepared by: Colorado Climate Center

Latitude: 40 27 Longitude: 106 28 Elevation: 8380 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	28.6	31.9	37.2	47.4	59.2	69.1	75.9	73.8	67.0	55.6	39.3	30.2	51.3
Std. Dev.	4.0	3.8	3.8	4.0	3.0	3.4	2.4	2.1	4.3	5.1	4.1	3.8	
Mean Min.	5.8	7.1	11.6	20.1	28.9	35.1	40.2	38.1	31.1	22.5	13.3	7.3	21.8
Std. Dev.	5.1	4.6	5.0	3.5	2.3	2.0	2.3	2.7	2.9	3.5	4.5	4.0	
Num. Yrs.	37	36	38	38	38	38	38	38	38	38	36	36	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1002	838	772	478	191	39	1	6	80	329	689	942	5367
55	1156	977	924	627	329	109	10	34	178	478	836	1093	6751
57	1218	1032	985	687	389	152	26	61	230	539	894	1154	7367
60	1310	1115	1076	777	480	231	74	126	315	631	983	1245	8362
65	1465	1254	1228	926	634	376	208	270	460	783	1130	1397	10130

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	2	30	111	70	11	0	0	0	224
57	0	0	0	0	0	14	65	36	4	0	0	0	119
60	0	0	0	0	0	3	21	9	1	0	0	0	34
65	0	0	0	0	0	0	1	0	0	0	0	0	1
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	1	26	168	367	564	497	283	80	3	0	1990
45	0	0	0	5	71	228	410	344	157	24	0	0	1238
50	0	0	0	0	18	108	256	196	59	3	0	0	640
55	0	0	0	0	2	30	111	70	11	0	0	0	224
60	0	0	0	0	0	3	21	9	1	0	0	0	34

Corn GDD	0	0	3	40	155	284	400	364	253	119	11	0	1628
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	0/1948	0	3	7	11	15	19	23	28	34	52/1983	36	
32	0/1950	10	19	26	32	38	44	49	57	66	92/1954	31	
28	17/1978	37	48	56	64	70	77	84	92	103	116/1954	27	
24	60/1968	67	77	85	91	97	103	109	117	127	149/1953	21	
20	93/1955	102	110	115	120	125	129	134	140	148	155/1953	16	
16	117/1975	123	135	143	151	157	164	171	180	192	192/1951	13	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	6/25/1957	7/ 5	7/ 8	7/10	7/11	7/13	7/15	7/16	7/18	7/21	7/19/1948	36	
32	6/ 4/1949	6/19	6/23	6/27	6/30	7/ 2	7/ 5	7/ 8	7/11	7/15	7/19/1950	31	
28	5/22/1953	5/30	6/ 5	6/ 9	6/12	6/15	6/18	6/22	6/26	7/ 1	7/ 9/1955	27	
24	4/29/1957	5/17	5/24	5/29	6/ 2	6/ 6	6/10	6/14	6/19	6/26	7/ 8/1955	21	
20	4/22/1987	4/25	5/ 4	5/11	5/16	5/21	5/27	6/ 1	6/ 7	6/16	7/ 8/1955	16	
16	4/15/1986	4/17	4/23	4/27	4/30	5/ 3	5/ 6	5/ 9	5/13	5/19	5/26/1975	13	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/19/1948	7/14	7/19	7/22	7/25	7/28	7/31	8/ 3	8/ 6	8/11	9/ 6/1983	36	
32	7/19/1950	7/18	7/26	7/31	8/ 5	8/ 9	8/13	8/18	8/23	8/31	9/18/1954	31	
28	7/22/1978	7/28	8/ 6	8/13	8/19	8/24	8/30	9/ 4	9/11	9/21	10/ 8/1954	27	
24	8/19/1978	8/21	8/28	9/ 2	9/ 7	9/11	9/16	9/20	9/25	10/ 3	10/14/1954	21	
20	8/22/1964	9/ 6	9/12	9/16	9/20	9/23	9/26	9/30	10/ 4	10/10	10/14/1954	16	
16	9/13/1978	9/14	9/22	9/28	10/ 3	10/ 7	10/12	10/17	10/23	10/31	11/ 1/1950	13	

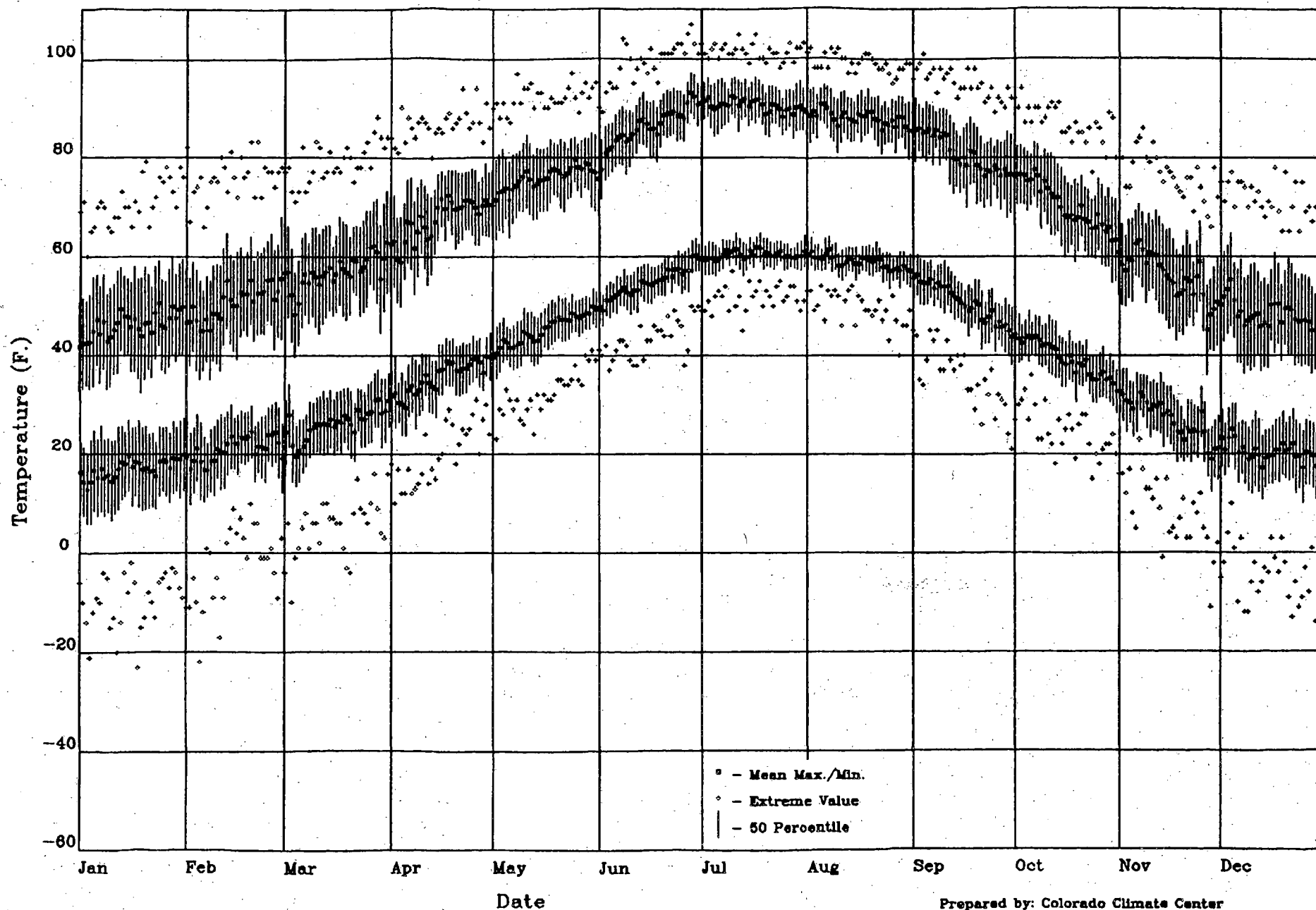
SPRINGFIELD 7 WSW

Record: 32 years ending in 1987

Lat 37 23

Long 102 44

Elev 4580



Latitude: 37 23 Longitude: 102 44 Elevation: 4580 Period of Record: 32 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	46.1	50.5	56.9	67.5	75.7	85.9	90.5	88.1	80.8	70.5	56.1	48.2	68.1
Std. Dev.	5.6	5.5	6.2	4.1	3.7	2.8	2.8	2.8	2.8	4.6	4.3	4.7	
Mean Min.	17.0	21.1	26.3	35.6	45.1	54.7	60.4	58.8	50.7	39.3	27.1	20.2	38.0
Std. Dev.	3.8	2.9	3.6	2.9	2.2	1.9	1.5	1.6	2.3	2.4	2.6	3.5	
Num. Yrs.	31	31	31	31	31	31	31	31	32	32	32	32	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	567	402	288	85	10	0	0	0	6	48	271	487	2163
55	720	537	418	160	33	1	0	0	15	103	400	638	3025
57	781	592	475	199	50	3	0	0	22	135	456	699	3412
60	874	676	564	267	83	7	0	0	36	192	544	792	4036
65	1029	817	717	401	170	24	1	3	79	314	693	947	5196

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	2	11	63	207	467	639	580	345	108	7	0	2429
57	0	1	6	42	161	409	577	518	292	78	3	0	2087
60	0	0	2	20	103	323	484	425	216	43	1	0	1616
65	0	0	0	4	36	190	330	273	109	10	0	0	952
70	0	0	0	0	6	85	184	135	38	1	0	0	449

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	41	69	159	370	636	916	1104	1045	781	476	151	55	5803
45	12	28	82	243	484	766	949	890	632	334	75	20	4515
50	3	8	35	138	338	616	794	735	486	208	28	4	3392
55	0	2	11	63	207	467	639	580	345	108	7	0	2429
60	0	0	2	20	103	323	484	425	216	43	1	0	1616

Corn GDD 59 83 153 272 403 572 702 668 492 325 136 68 3933

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	105/1974	121	127	131	135	139	142	146	150	156	168/1987	30
32	123/1971	133	141	146	151	155	160	165	170	178	193/1957	30
28	151/1961	160	167	172	176	180	183	187	192	199	212/1962	30
24	155/1966	177	184	190	194	199	203	208	213	221	242/1965	30
20	182/1986	194	202	207	212	216	221	225	231	239	255/1981	30
16	207/1959	214	222	227	232	236	240	245	251	258	273/1978	27

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	4/22/1987	5/ 2	5/ 6	5/ 9	5/12	5/14	5/16	5/19	5/22	5/26	5/27/1973	30
32	4/14/1957	4/24	4/28	5/ 1	5/ 3	5/ 5	5/ 8	5/10	5/13	5/17	5/19/1971	30
28	3/31/1969	4/ 7	4/12	4/15	4/19	4/22	4/24	4/28	5/ 1	5/ 6	5/13/1966	30
24	3/26/1969	3/30	4/ 4	4/ 7	4/10	4/13	4/16	4/19	4/23	4/28	5/13/1966	30
20	3/10/1981	3/19	3/24	3/28	4/ 1	4/ 4	4/ 7	4/10	4/14	4/20	5/ 1/1967	30
16	3/ 4/1978	3/ 9	3/14	3/18	3/21	3/25	3/28	3/31	4/ 4	4/ 9	4/14/1983	27

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	9/ 3/1974	9/14	9/20	9/23	9/27	9/30	10/ 3	10/ 6	10/ 9	10/15	10/24/1957	30
32	9/19/1971	9/23	9/28	10/ 2	10/ 5	10/ 8	10/11	10/14	10/18	10/23	10/27/1973	30
28	9/21/1983	10/ 2	10/ 8	10/12	10/15	10/18	10/21	10/25	10/29	11/ 3	11/ 9/1981	30
24	9/29/1985	10/12	10/18	10/22	10/26	10/29	11/ 1	11/ 5	11/ 9	11/15	11/27/1965	30
20	10/13/1969	10/22	10/27	10/31	11/ 3	11/ 6	11/ 9	11/12	11/16	11/21	11/27/1965	30
16	10/24/1980	11/ 3	11/ 7	11/10	11/13	11/16	11/18	11/21	11/24	11/29	12/ 2/1978	27

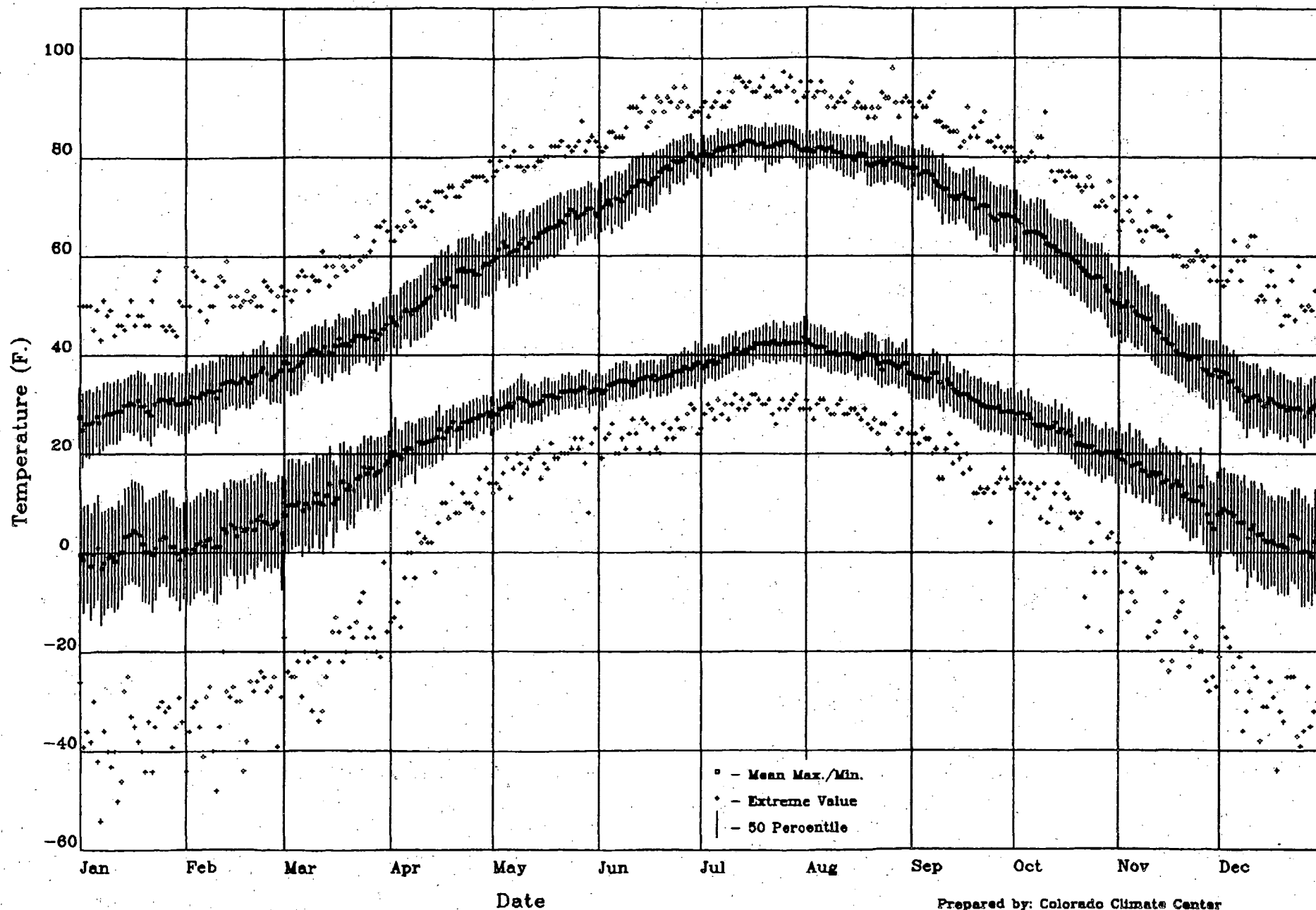
STEAMBOAT SPRINGS

Record: 79 years ending in 1987

Lat 40 30

Long 106 50

Elev 6770



Latitude: 40 30 Longitude: 106 50 Elevation: 6770

Period of Record: 80 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	28.9	34.1	41.6	52.9	64.8	75.1	82.0	80.0	72.1	60.0	43.3	30.9	55.5
Std. Dev.	3.8	4.1	3.9	4.9	3.5	3.3	2.4	2.8	3.7	4.5	5.3	4.9	
Mean Min.	0.6	3.9	12.8	23.9	31.2	35.3	41.0	39.7	32.2	23.8	13.9	3.4	21.8
Std. Dev.	5.5	5.3	4.7	2.6	2.2	2.0	1.9	2.6	2.6	2.5	4.2	5.1	
Num. Yrs.	75	77	78	78	77	76	77	76	76	79	76	77	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1080	866	695	340	99	15	0	1	42	250	632	1003	5023
55	1234	1007	850	487	214	56	2	7	112	397	781	1157	6303
57	1296	1063	911	547	271	86	6	16	155	459	841	1218	6868
60	1388	1148	1004	637	361	149	22	47	232	551	930	1311	7779
65	1543	1289	1158	786	513	287	111	157	377	705	1080	1465	9471

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	7	68	210	163	34	1	0	0	483
57	0	0	0	0	3	39	152	110	17	0	0	0	320
60	0	0	0	0	1	13	75	48	4	0	0	0	141
65	0	0	0	0	0	1	10	5	0	0	0	0	16
70	0	0	0	0	0	0	0	0	0	0	0	0	1

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	3	69	262	461	671	619	375	124	7	0	2591
45	0	0	0	20	135	314	516	465	235	43	1	0	1729
50	0	0	0	2	45	178	362	311	114	7	0	0	1020
55	0	0	0	0	7	68	210	163	34	1	0	0	483
60	0	0	0	0	1	13	75	48	4	0	0	0	141

Corn GDD	0	1	9	88	233	374	487	460	332	175	29	1	2189
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1915	0	7	11	15	19	22	26	31	37	53/1937	76
32	0/1919	16	25	31	37	42	47	53	60	69	91/1981	73
28	25/1911	55	65	72	78	84	89	95	103	112	148/1987	68
24	64/1924	90	99	107	113	118	124	130	137	147	162/1940	63
20	89/1945	119	129	136	141	147	152	158	165	174	196/1981	61
16	131/1927	156	163	169	173	178	182	187	192	200	211/1963	57

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	6/19/1937	7/ 2	7/ 5	7/ 7	7/ 9	7/11	7/13	7/15	7/17	7/20	7/19/1915	76
32	6/ 4/1987	6/20	6/24	6/27	6/30	7/ 2	7/ 5	7/ 7	7/10	7/14	7/19/1919	73
28	4/23/1987	5/25	5/31	6/ 5	6/ 9	6/12	6/16	6/20	6/24	6/30	7/ 9/1911	68
24	4/17/1949	4/30	5/ 7	5/13	5/18	5/22	5/26	5/31	6/ 6	6/13	6/30/1918	63
20	4/ 2/1926	4/12	4/19	4/25	4/30	5/ 4	5/ 9	5/14	5/19	5/27	6/19/1939	61
16	3/23/1915	4/ 2	4/ 7	4/11	4/14	4/17	4/20	4/23	4/27	5/ 2	5/29/1927	57

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1915	7/15	7/20	7/24	7/27	7/30	8/ 1	8/ 4	8/ 8	8/13	9/ 6/1983	76
32	7/19/1919	7/25	7/31	8/ 5	8/10	8/14	8/18	8/22	8/27	9/ 3	9/17/1981	73
28	7/22/1939	8/17	8/23	8/28	8/31	9/ 4	9/ 7	9/11	9/16	9/22	10/ 3/1982	68
24	8/22/1924	9/ 3	9/ 8	9/12	9/15	9/18	9/20	9/23	9/27	10/ 2	10/14/1963	63
20	8/26/1910	9/12	9/18	9/22	9/25	9/28	10/ 1	10/ 5	10/ 8	10/14	10/25/1972	61
16	9/ 9/1962	9/24	9/30	10/ 4	10/ 8	10/12	10/15	10/19	10/23	10/30	11/ 5/1974	57

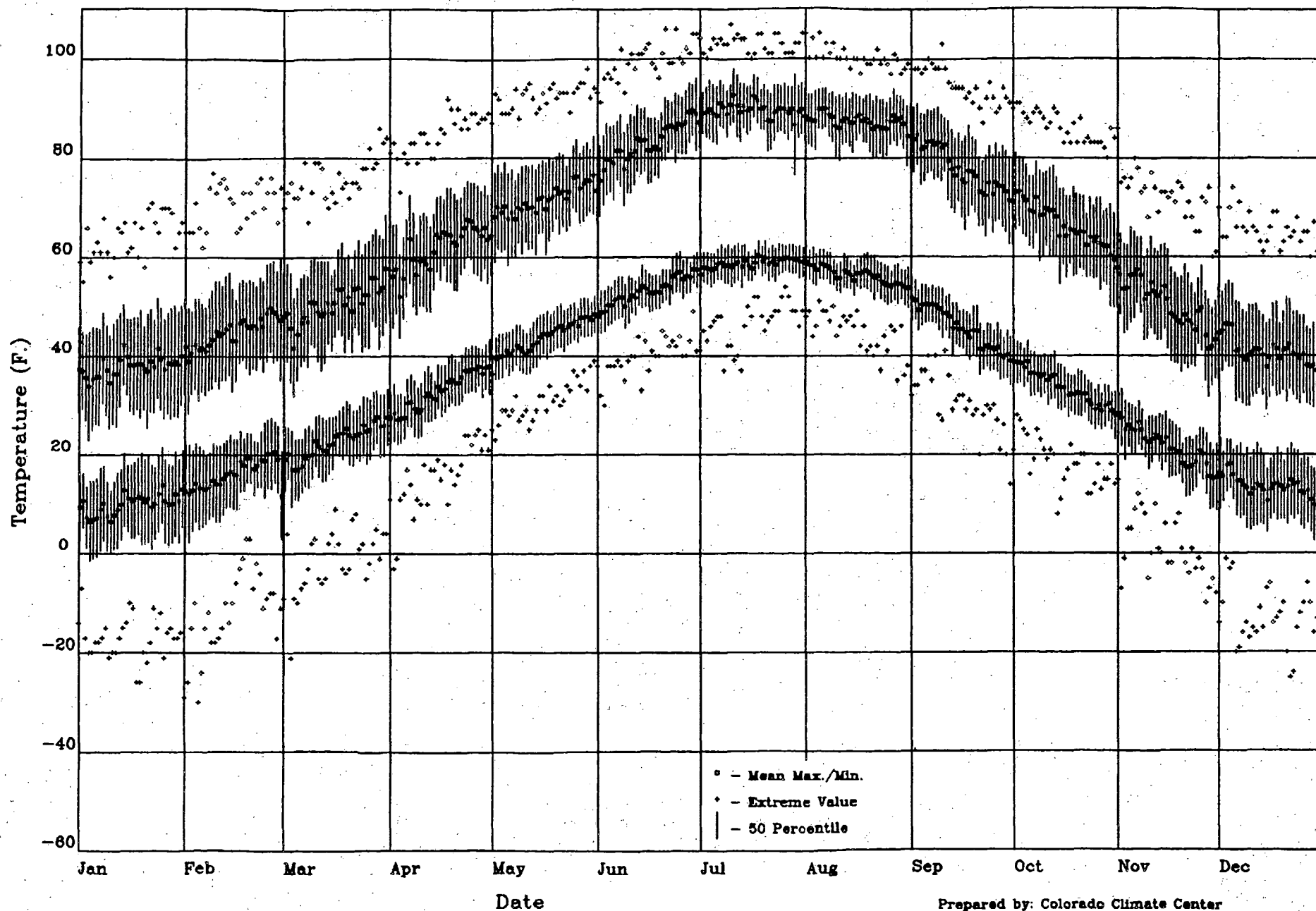
STERLING

Record: 40 years ending in 1987

Lat 40 37

Long 103 11

Elev 3940



Latitude: 40 37 Longitude: 103 11 Elevation: 3940 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	37.9	44.8	50.5	61.7	71.5	82.7	89.5	87.5	77.9	66.5	50.5	40.8	63.5
Std. Dev.	6.4	6.1	5.3	4.5	3.6	4.2	2.7	2.3	4.2	4.5	5.2	5.8	
Mean Min.	10.0	16.3	22.6	32.9	43.7	53.1	58.7	56.3	45.5	33.5	21.6	13.4	34.0
Std. Dev.	5.1	4.5	3.7	2.9	2.6	2.2	2.1	2.5	2.7	2.5	2.7	4.3	
Num. Yrs.	39	39	39	38	39	39	38	39	40	40	40	40	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	800	539	419	157	29	1	0	0	15	105	415	697	3178
55	955	678	563	257	71	6	1	0	36	192	561	851	4170
57	1017	734	623	305	96	10	2	1	49	236	620	913	4605
60	1110	818	714	382	142	20	2	3	76	313	710	1005	5296
65	1265	959	868	524	246	54	6	12	147	458	860	1159	6556

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	3	35	159	396	595	529	245	45	0	0	2007
57	0	0	2	22	122	341	534	468	198	28	0	0	1714
60	0	0	1	10	75	263	443	377	136	11	0	0	1316
65	0	0	0	1	25	148	293	233	57	1	0	0	758
70	0	0	0	0	4	62	156	107	15	0	0	0	344

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	6	28	88	270	553	837	1054	990	658	338	70	11	4904
45	1	8	38	163	406	688	901	836	513	213	24	2	3793
50	0	1	13	85	271	540	748	682	373	113	4	0	2831
55	0	0	3	35	159	396	595	529	245	45	0	0	2007
60	0	0	1	10	75	263	443	377	136	11	0	0	1316

Corn GDD	20	47	95	201	340	512	662	619	420	268	89	27	3299
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	102/1951	107	113	118	121	125	128	132	136	142	155/1955	31
32	106/1951	123	130	134	139	143	147	151	156	163	179/1986	29
28	141/1966	151	158	163	167	170	174	178	183	190	203/1972	29
24	158/1983	167	174	179	183	187	192	196	201	208	220/1960	29
20	158/1983	182	189	195	200	204	209	213	219	227	237/1960	29
16	196/1952	202	209	215	220	224	229	233	239	247	251/1984	28

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	4/23/1987	5/ 2	5/ 7	5/11	5/14	5/17	5/20	5/23	5/26	5/31	6/14/1969	31
32	4/15/1986	4/23	4/28	5/ 2	5/ 5	5/ 8	5/11	5/14	5/18	5/23	6/ 3/1954	29
28	4/ 4/1972	4/10	4/14	4/18	4/21	4/23	4/26	4/29	5/ 2	5/ 7	5/13/1966	29
24	3/17/1960	4/ 2	4/ 7	4/11	4/13	4/16	4/19	4/22	4/25	4/30	5/ 2/1954	29
20	3/17/1960	3/25	3/30	4/ 2	4/ 4	4/ 7	4/10	4/12	4/15	4/20	4/22/1967	29
16	3/ 9/1967	3/13	3/18	3/23	3/26	3/30	4/ 2	4/ 6	4/10	4/16	4/21/1982	28

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	8/28/1964	9/ 5	9/10	9/13	9/16	9/18	9/21	9/24	9/27	10/ 1	10/ 7/1955	31
32	9/ 1/1956	9/13	9/18	9/21	9/24	9/27	9/30	10/ 3	10/ 7	10/12	10/28/1963	29
28	9/ 9/1962	9/25	9/30	10/ 4	10/ 8	10/11	10/14	10/17	10/21	10/26	11/ 3/1950	29
24	9/21/1983	10/ 7	10/11	10/15	10/18	10/21	10/23	10/26	10/30	11/ 4	11/11/1953	29
20	9/21/1983	10/11	10/17	10/21	10/25	10/28	11/ 1	11/ 4	11/ 8	11/14	11/20/1953	29
16	10/ 6/1952	10/24	10/29	11/ 2	11/ 6	11/ 9	11/12	11/15	11/19	11/25	11/30/1949	28

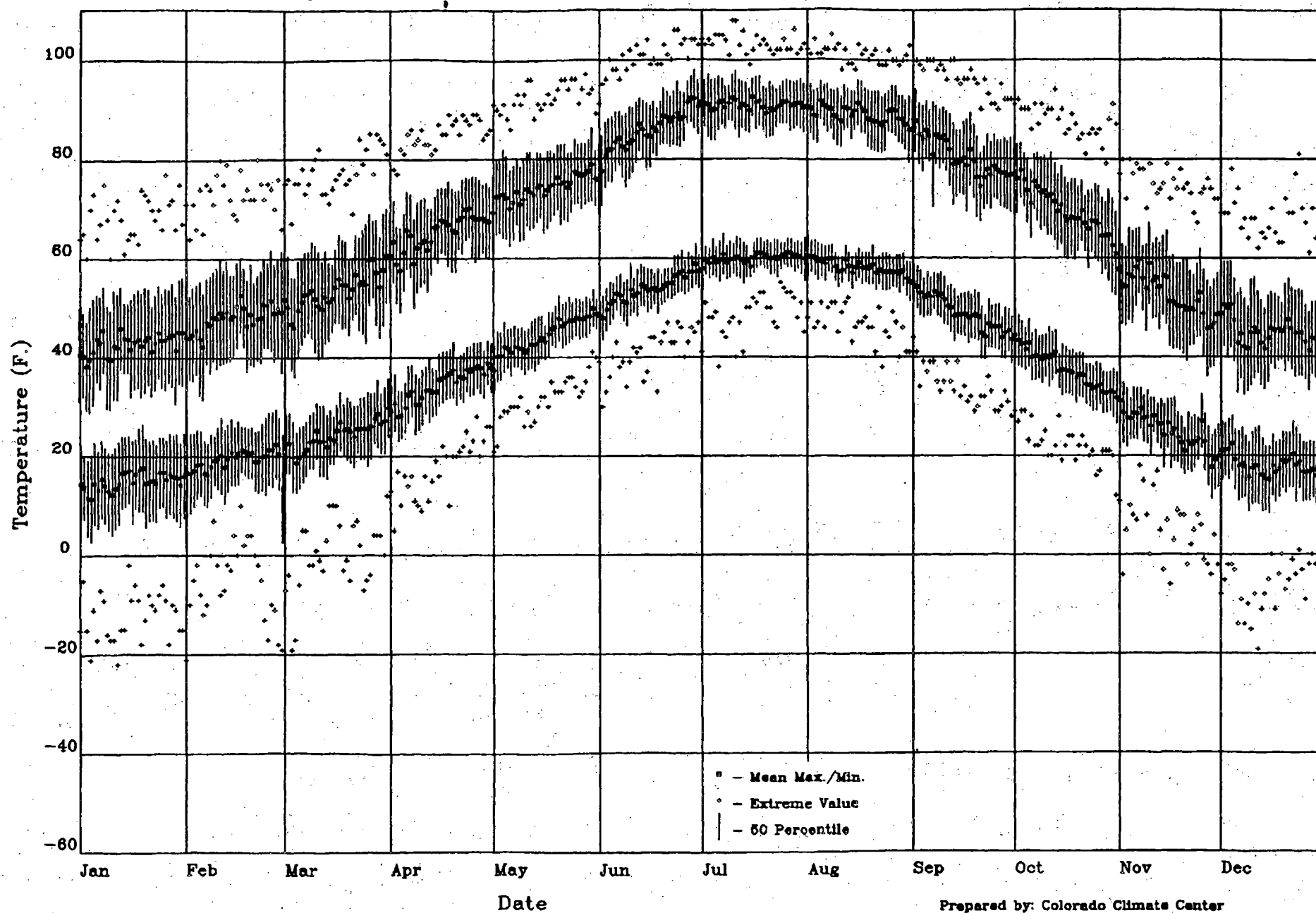
STRATTON

Record: 38 years ending in 1987

Lat 39 18

Long 102 36

Elev 4390



Latitude: 39 18 Longitude: 102 36 Elevation: 4390 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	42.8	47.9	53.4	65.0	74.1	85.4	90.8	89.0	80.4	69.8	52.7	45.0	66.4
Std. Dev.	6.2	5.9	5.8	4.0	3.6	4.1	3.1	2.9	4.1	4.8	4.9	4.8	
Mean Min.	15.0	19.5	24.1	34.3	44.4	53.7	60.0	58.1	49.0	37.5	24.9	17.9	36.5
Std. Dev.	5.2	3.9	3.7	3.0	2.2	2.5	2.3	2.2	3.0	2.8	2.9	3.1	
Num. Yrs.	35	33	33	35	35	34	34	36	35	35	36	36	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	649	459	361	111	15	1	0	0	7	62	338	568	2569
55	802	596	499	199	47	3	0	0	19	127	475	721	3487
57	864	651	558	243	67	5	0	0	27	162	533	783	3893
60	957	735	649	317	107	12	0	1	45	224	621	875	4544
65	1112	876	802	454	202	36	2	6	97	352	770	1030	5740

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	6	46	186	444	636	567	314	93	2	0	2296
57	0	1	3	30	144	387	574	507	263	66	1	0	1976
60	0	0	1	14	91	303	482	417	192	35	0	0	1537
65	0	0	0	2	32	178	330	272	95	8	0	0	918
70	0	0	0	0	6	81	188	141	33	1	0	0	450

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	27	50	120	319	605	889	1097	1020	742	441	106	31	5444
45	8	18	58	200	453	740	943	869	595	303	45	8	4241
50	2	5	23	107	310	591	789	718	451	183	14	2	3194
55	0	1	6	46	186	444	636	567	314	93	2	0	2296
60	0	0	1	14	91	303	482	417	192	35	0	0	1537

Corn GDD 40 63 120 237 380 549 690 639 465 315 104 45 3646

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	86/1974	107	115	121	126	130	135	140	145	153	162/1955	27
32	111/1951	132	139	145	149	154	158	163	168	176	179/1949	26
28	158/1970	164	169	172	175	178	180	183	186	191	204/1972	26
24	160/1970	175	182	187	191	195	200	204	209	216	231/1949	25
20	168/1969	191	198	203	208	212	216	220	225	232	244/1949	24
16	201/1959	213	218	222	226	229	232	235	239	245	250/1974	24

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	4/23/1987	5/ 2	5/ 8	5/12	5/16	5/19	5/23	5/26	5/31	6/ 6	6/18/1982	27
32	4/15/1949	4/21	4/26	4/30	5/ 3	5/ 6	5/ 8	5/11	5/15	5/20	6/ 2/1951	26
28	4/ 3/1972	4/12	4/16	4/19	4/21	4/23	4/26	4/28	5/ 1	5/ 5	5/13/1953	26
24	4/ 1/1960	4/ 2	4/ 6	4/ 9	4/12	4/14	4/16	4/19	4/22	4/26	5/ 2/1954	25
20	3/17/1960	3/25	3/29	4/ 1	4/ 4	4/ 6	4/ 9	4/11	4/14	4/19	4/27/1969	24
16	3/16/1956	3/19	3/22	3/25	3/27	3/30	4/ 1	4/ 3	4/ 6	4/10	4/18/1953	24

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/ 3/1974	9/12	9/17	9/21	9/24	9/26	9/29	10/ 2	10/ 6	10/11	10/20/1956	27
32	9/17/1971	9/22	9/27	9/30	10/ 3	10/ 6	10/ 9	10/12	10/15	10/20	11/ 2/1950	26
28	10/ 6/1952	10/ 9	10/12	10/14	10/16	10/18	10/20	10/22	10/24	10/27	11/ 3/1950	26
24	10/ 7/1952	10/12	10/17	10/20	10/24	10/26	10/29	11/ 1	11/ 5	11/10	11/21/1949	25
20	10/11/1987	10/21	10/26	10/29	11/ 1	11/ 4	11/ 7	11/10	11/13	11/18	12/ 4/1949	24
16	10/25/1975	11/ 1	11/ 5	11/ 8	11/11	11/14	11/16	11/19	11/22	11/26	12/ 4/1949	24

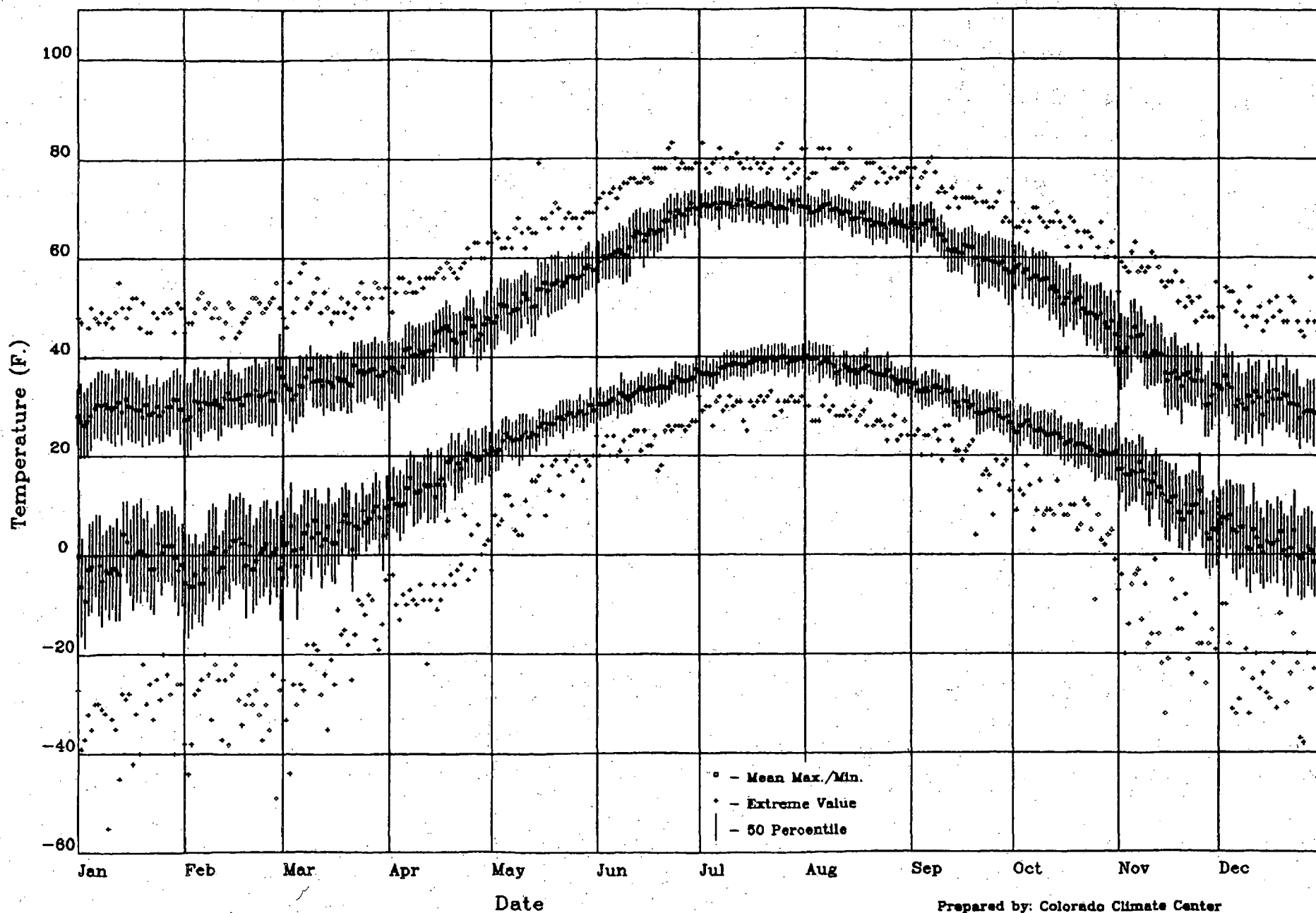
SUGARLOAF RESERVOIR

Record: 37 years ending in 1987

Lat 39 15

Long 106 22

Elev 9740



Prepared by: Colorado Climate Center

Latitude: 39 15 Longitude: 106 22 Elevation: 9740

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	29.3	31.1	35.4	43.0	52.8	64.6	70.6	68.3	62.1	52.1	38.1	31.1	48.2
Std. Dev.	3.9	3.5	3.5	3.5	3.4	3.6	2.2	1.9	3.3	3.5	3.9	4.5	
Mean Min.	-0.9	-0.4	4.9	15.8	25.7	33.2	38.6	37.3	31.1	23.3	12.2	2.9	18.6
Std. Dev.	6.2	5.8	5.0	3.3	2.2	2.5	2.2	2.8	2.4	3.0	4.9	5.1	
Num. Yrs.	33	31	31	32	34	35	34	36	35	35	34	34	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1098	964	903	601	325	76	3	13	116	372	739	1016	6226
55	1252	1104	1055	749	479	181	41	80	246	526	889	1170	7774
57	1314	1160	1116	808	541	236	80	129	305	588	949	1232	8459
60	1406	1244	1207	896	634	323	161	215	394	680	1039	1325	9527
65	1561	1385	1359	1044	789	470	315	368	544	835	1189	1480	11339

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	7	36	19	2	0	0	0	64
57	0	0	0	0	0	2	14	7	0	0	0	0	23
60	0	0	0	0	0	0	1	1	0	0	0	0	3
65	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	0	5	70	274	460	399	216	46	1	0	1471
45	0	0	0	0	14	145	305	247	92	6	0	0	810
50	0	0	0	0	1	50	153	105	21	0	0	0	331
55	0	0	0	0	0	7	36	19	2	0	0	0	64
60	0	0	0	0	0	0	1	1	0	0	0	0	3

Corn GDD	0	0	1	12	79	217	319	280	187	76	6	0	1177
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1950	0	0	5	10	14	18	22	28	35	55/1966	33
32	0/1962	14	23	30	36	42	48	54	61	70	81/1961	32
28	34/1975	53	63	70	75	81	86	92	99	108	117/1966	32
24	68/1962	87	96	102	108	113	118	124	130	139	143/1967	29
20	89/1974	115	123	129	134	139	143	148	154	162	178/1987	29
16	131/1961	140	148	154	159	164	168	173	179	187	201/1987	29

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/27/1966	7/ 6	7/ 8	7/10	7/12	7/14	7/15	7/17	7/19	7/22	7/19/1950	33
32	6/13/1966	6/20	6/24	6/28	6/30	7/ 3	7/ 6	7/ 9	7/12	7/16	7/19/1962	32
28	5/28/1977	5/31	6/ 5	6/ 9	6/12	6/15	6/18	6/21	6/25	6/30	7/15/1962	32
24	5/ 9/1984	5/14	5/19	5/23	5/26	5/29	6/ 1	6/ 4	6/ 8	6/13	6/20/1975	29
20	4/22/1987	5/ 3	5/ 8	5/12	5/15	5/18	5/21	5/24	5/28	6/ 2	6/10/1979	29
16	4/18/1949	4/24	4/28	5/ 1	5/ 3	5/ 6	5/ 8	5/10	5/13	5/17	5/28/1965	29

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1950	7/12	7/17	7/21	7/24	7/28	7/31	8/ 3	8/ 7	8/13	9/ 6/1982	33
32	7/19/1962	7/24	7/31	8/ 5	8/10	8/14	8/18	8/23	8/28	9/ 4	9/13/1982	32
28	8/ 3/1975	8/16	8/22	8/27	8/31	9/ 4	9/ 7	9/11	9/16	9/23	10/ 1/1966	32
24	8/25/1962	9/ 3	9/ 9	9/12	9/16	9/19	9/22	9/26	9/30	10/ 5	10/14/1963	29
20	9/ 4/1974	9/17	9/23	9/27	9/30	10/ 4	10/ 7	10/11	10/15	10/21	10/26/1954	29
16	9/21/1978	9/27	10/ 4	10/ 8	10/12	10/16	10/20	10/24	10/29	11/ 4	11/22/1965	29

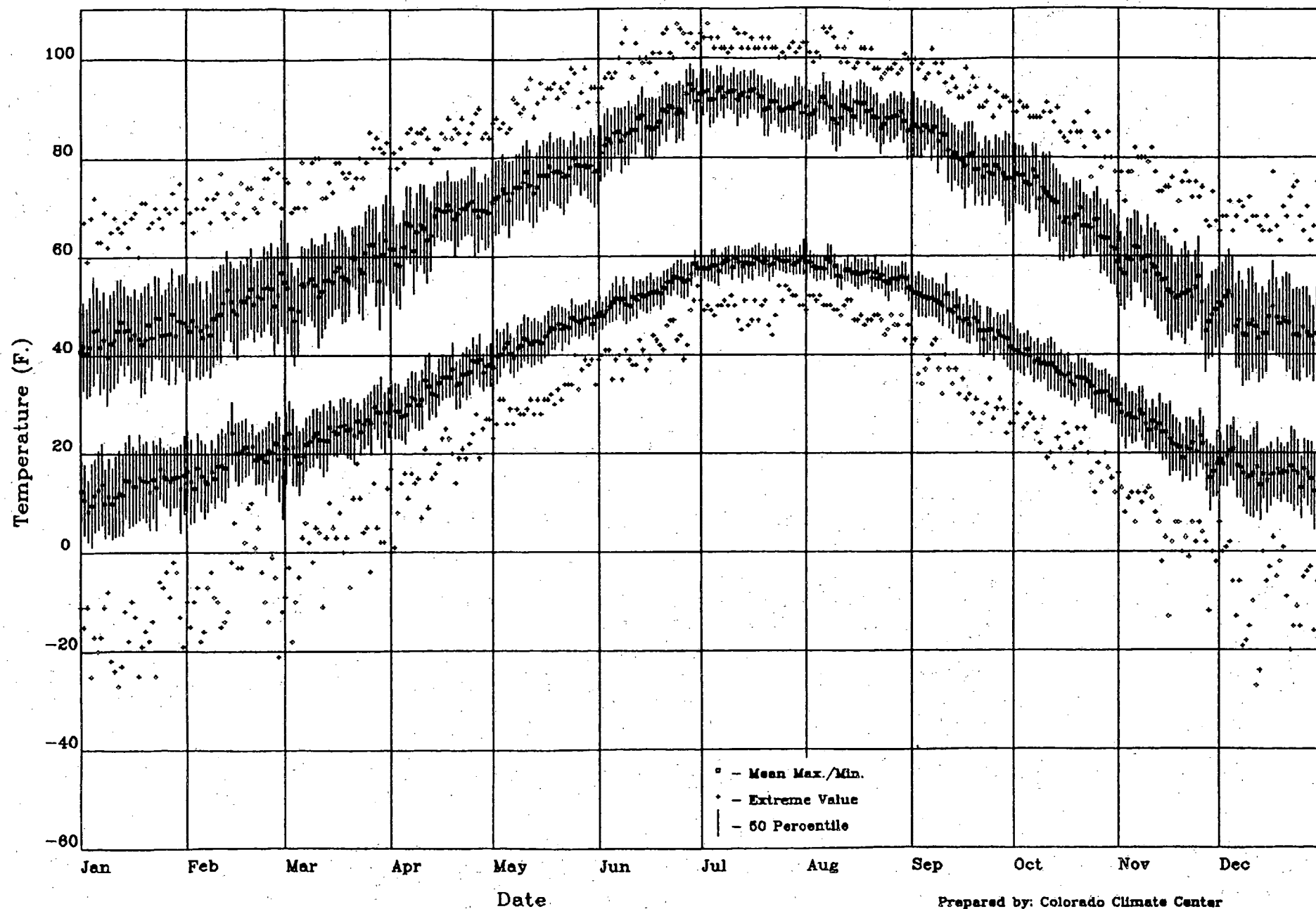
TACONY 10 SE

Record: 32 years ending in 1987

Lat 38 23

Long 104 4

Elev 4960



Prepared by: Colorado Climate Center

Latitude: 38 23 Longitude: 104 4 Elevation: 4960

Period of Record: 33 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	43.9	50.0	56.3	66.5	75.6	86.9	91.6	88.9	80.8	69.7	54.5	46.0	67.6
Std. Dev.	5.4	4.8	5.1	4.2	3.5	3.4	2.7	2.6	2.8	4.4	4.4	5.2	
Mean Min.	13.1	18.7	24.3	33.7	43.9	52.7	58.6	56.5	47.7	36.1	23.4	16.1	35.4
Std. Dev.	4.5	3.2	3.4	2.8	2.1	2.1	1.7	1.7	2.6	1.9	2.7	3.8	
Num. Yrs.	30	30	30	31	32	31	32	31	30	32	31	29	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	648	428	305	95	12	0	0	0	7	60	330	570	2455
55	801	563	442	177	37	1	0	0	18	128	470	722	3357
57	862	618	500	219	54	2	0	0	25	165	528	783	3756
60	953	701	589	292	89	7	0	0	42	232	617	874	4395
65	1106	838	740	429	179	26	2	4	92	367	765	1026	5573

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	4	43	187	449	622	551	298	70	1	0	2226
57	0	0	2	27	143	391	561	490	247	45	0	0	1906
60	0	0	1	11	87	306	469	398	174	21	0	0	1467
65	0	0	0	1	26	176	318	248	77	2	0	0	848
70	0	0	0	0	4	75	173	114	21	0	0	0	386

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	19	44	126	326	606	896	1081	1011	725	410	100	26	5370
45	3	13	56	205	456	747	928	858	579	274	41	6	4166
50	0	3	19	107	313	598	775	705	435	155	10	0	3122
55	0	0	4	43	187	449	622	551	298	70	1	0	2226
60	0	0	1	11	87	306	469	398	174	21	0	0	1467

Corn GDD 43 71 139 254 389 548 668 629 460 306 116 51 3673

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	95/1973	115	123	128	133	138	142	147	152	160	163/1987	13
32	123/1983	129	135	139	143	146	149	153	157	163	171/1987	12
28	152/1984	155	159	163	165	168	171	174	177	182	186/1978	10
24	155/1984	165	173	178	183	187	191	196	201	208	208/1983	9
20	193/1968	194	200	205	208	212	215	219	223	229	234/1986	8
16	215/1983	213	221	226	231	235	240	245	250	258	262/1984	7

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	4/23/1987	4/29	5/ 3	5/ 6	5/ 9	5/12	5/14	5/17	5/20	5/25	5/31/1973	13
32	4/22/1987	4/28	5/ 2	5/ 5	5/ 7	5/ 9	5/12	5/14	5/17	5/21	5/21/1983	12
28	4/ 8/1985	4/11	4/15	4/19	4/21	4/24	4/26	4/29	5/ 2	5/ 6	5/10/1981	10
24	4/ 5/1981	4/ 5	4/ 9	4/11	4/13	4/15	4/18	4/20	4/22	4/26	4/27/1984	9
20	3/19/1986	3/25	3/30	4/ 3	4/ 6	4/ 9	4/12	4/15	4/19	4/24	4/27/1984	8
16	3/ 5/1985	3/ 6	3/12	3/16	3/20	3/24	3/27	3/31	4/ 4	4/11	4/14/1983	7

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	9/ 3/1973	9/13	9/17	9/21	9/24	9/26	9/29	10/ 2	10/ 5	10/ 9	10/17/1981	13
32	9/21/1978	9/22	9/25	9/28	9/30	10/ 3	10/ 5	10/ 7	10/10	10/13	10/17/1981	12
28	9/21/1983	9/25	9/30	10/ 3	10/ 6	10/ 9	10/11	10/14	10/17	10/22	10/26/1978	10
24	9/29/1984	9/30	10/ 6	10/11	10/15	10/19	10/23	10/27	11/ 1	11/ 8	11/10/1983	9
20	10/18/1968	10/26	10/30	11/ 2	11/ 4	11/ 7	11/ 9	11/11	11/14	11/18	11/18/1984	8
16	11/ 3/1982	11/ 4	11/ 8	11/10	11/12	11/14	11/16	11/18	11/20	11/24	11/27/1984	7

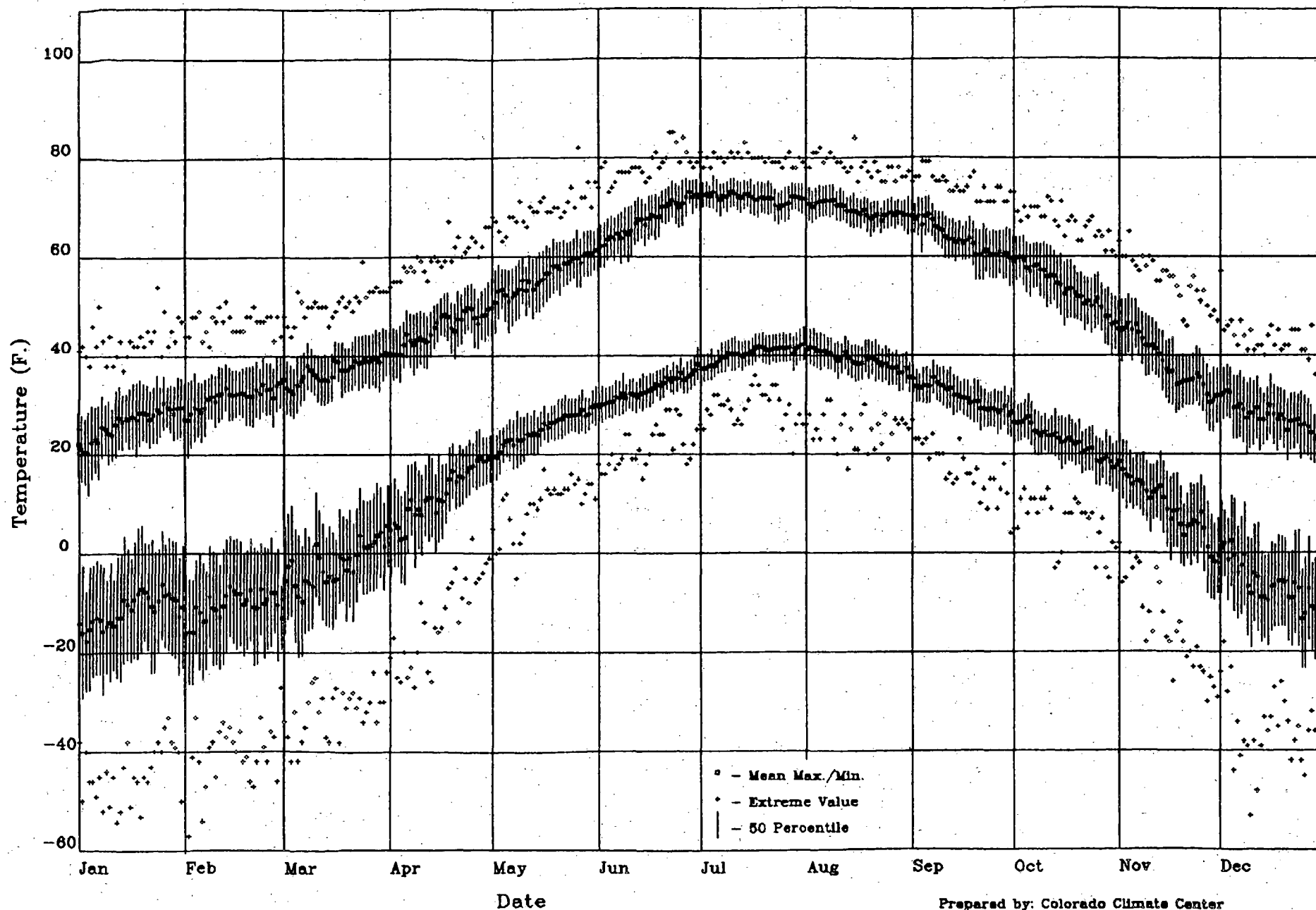
TAYLOR PARK

Record: 40 years ending in 1987

Lat 38 49

Long 106 37

Elev 9210



Prepared by: Colorado Climate Center

Latitude: 38 49 Longitude: 106 37 Elevation: 9210 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	26.3	31.5	37.0	45.4	55.9	67.4	71.8	69.4	63.5	53.8	38.6	27.7	49.0
Std. Dev.	4.0	3.4	2.9	3.5	3.2	3.2	1.7	1.7	3.1	4.2	4.3	3.9	
Mean Min.	-11.4	-10.5	-2.0	12.2	25.2	33.3	40.4	39.0	31.6	22.5	9.1	-6.4	15.3
Std. Dev.	6.8	5.7	5.9	5.5	3.9	2.8	2.5	3.2	3.4	3.6	5.6	4.9	
Num. Yrs.	39	39	39	39	39	38	37	40	40	40	40	40	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1306	1104	998	630	286	52	1	5	93	360	775	1207	6817
55	1460	1245	1153	780	439	143	19	50	220	514	925	1362	8308
57	1522	1301	1215	840	501	195	45	91	278	576	985	1424	8972
60	1615	1386	1308	930	594	281	117	173	367	669	1075	1516	10031
65	1770	1526	1463	1080	748	430	268	327	517	824	1224	1671	11849

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	12	60	32	2	0	0	0	106
57	0	0	0	0	0	4	25	12	1	0	0	0	41
60	0	0	0	0	0	1	3	1	0	0	0	0	5
65	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	0	4	90	318	506	447	241	56	1	0	1663
45	0	0	0	0	22	180	351	293	111	9	0	0	966
50	0	0	0	0	2	70	197	143	26	0	0	0	439
55	0	0	0	0	0	12	60	32	2	0	0	0	106
60	0	0	0	0	0	1	3	1	0	0	0	0	5

Corn GDD	0	0	1	20	113	261	338	300	206	91	8	0	1339
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1950	1	9	15	20	25	29	34	40	48	59/1981	37
32	0/1986	37	46	52	58	63	68	73	79	88	92/1958	37
28	12/1986	61	71	79	85	91	97	103	110	120	130/1952	36
24	42/1986	93	104	111	118	124	130	137	145	155	165/1954	35
20	42/1986	113	124	132	139	145	151	158	166	177	174/1952	34
16	99/1983	137	146	153	159	164	170	175	182	192	195/1954	33

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	6/19/1981	6/29	7/ 3	7/ 5	7/ 7	7/ 9	7/11	7/13	7/16	7/19	7/19/1950	37
32	6/ 9/1956	6/11	6/16	6/19	6/22	6/25	6/27	6/30	7/ 3	7/ 8	7/19/1986	37
28	5/18/1956	5/26	6/ 1	6/ 5	6/ 9	6/12	6/16	6/19	6/24	6/30	7/13/1986	36
24	5/ 2/1969	5/ 7	5/12	5/17	5/20	5/23	5/27	5/30	6/ 3	6/ 9	6/17/1983	35
20	4/24/1952	4/29	5/ 4	5/ 8	5/11	5/15	5/18	5/21	5/25	5/31	6/16/1986	34
16	4/15/1954	4/21	4/26	4/30	5/ 3	5/ 6	5/ 9	5/13	5/16	5/22	6/14/1983	33

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1950	7/16	7/22	7/27	7/30	8/ 3	8/ 6	8/10	8/15	8/21	9/ 2/1957	37
32	7/19/1986	8/ 7	8/13	8/18	8/22	8/26	8/30	9/ 3	9/ 8	9/15	9/24/1963	37
28	7/25/1986	8/24	8/30	9/ 4	9/ 8	9/11	9/14	9/18	9/22	9/29	10/ 6/1952	36
24	7/28/1986	9/ 5	9/12	9/16	9/21	9/24	9/28	10/ 2	10/ 7	10/14	10/15/1954	35
20	7/28/1986	9/14	9/22	9/27	10/ 2	10/ 6	10/11	10/15	10/21	10/28	10/31/1963	34
16	9/11/1986	9/30	10/ 6	10/10	10/14	10/18	10/21	10/25	10/29	11/ 5	11/12/1965	33

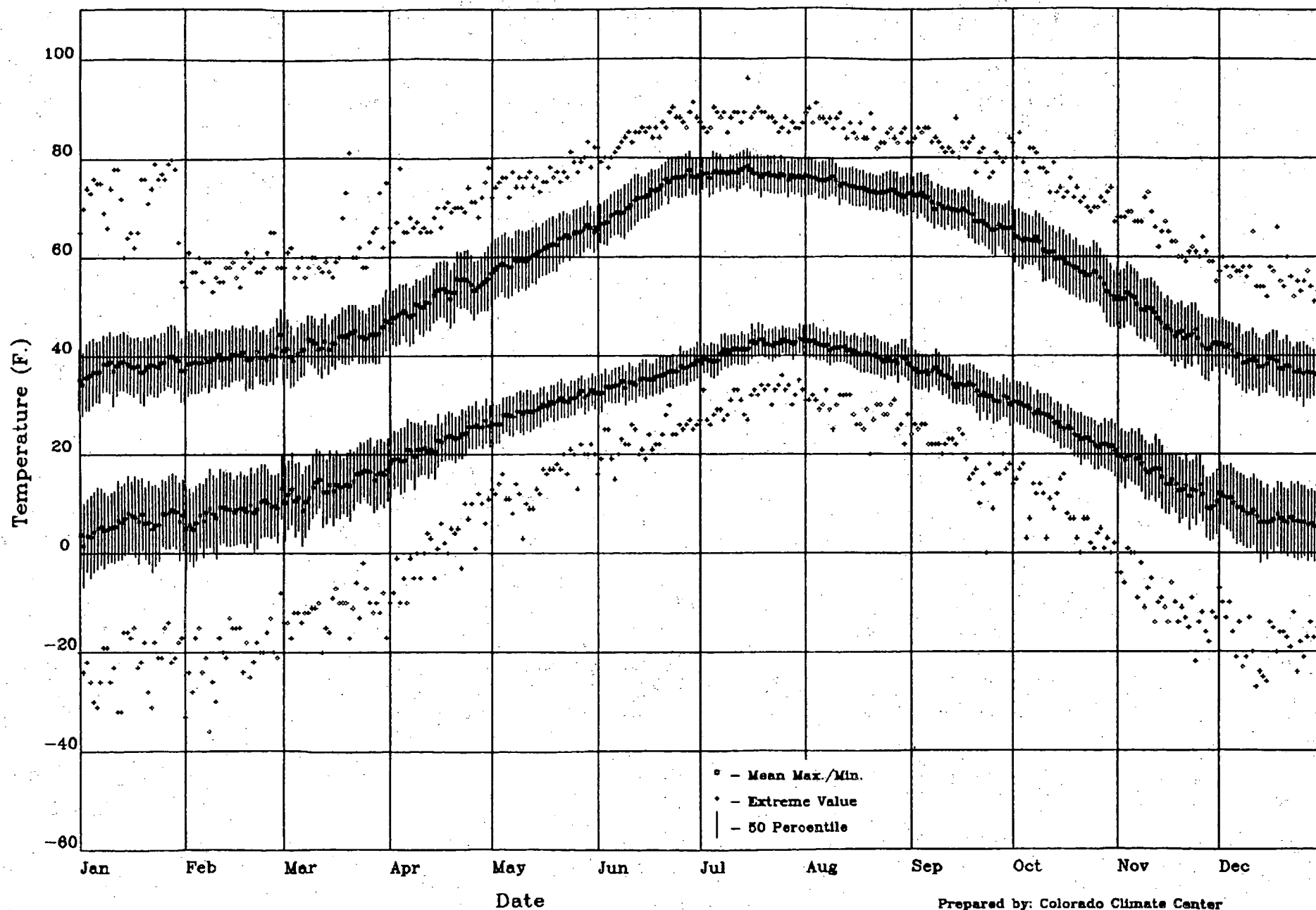
TELLURIDE

Record: 80 years ending in 1987

Lat 37 56

Long 107 49

Elev 8800



Prepared by: Colorado Climate Center

Latitude: 37 56 Longitude: 107 49 Elevation: 8800 Period of Record: 88 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	37.8	39.7	43.1	51.8	61.5	72.2	76.7	74.2	68.9	59.2	46.8	38.4	55.9
Std. Dev.	5.1	3.7	3.4	3.7	3.7	3.2	2.4	2.4	3.1	4.1	3.7	3.6	
Mean Min.	6.1	8.5	13.9	22.4	29.7	35.5	41.5	40.6	34.1	25.6	15.0	7.5	23.4
Std. Dev.	5.2	4.3	3.4	3.2	2.2	2.0	2.0	2.4	2.5	2.7	3.5	3.8	
Num. Yrs.	80	77	78	79	78	79	78	80	79	78	78	80	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	857	723	657	378	148	21	0	1	35	234	562	828	4444
55	1010	864	811	526	283	75	4	14	113	381	711	983	5775
57	1071	920	873	585	343	112	13	33	162	442	771	1045	6371
60	1164	1005	966	674	435	185	49	88	246	535	860	1137	7342
65	1317	1145	1120	823	589	327	175	227	393	689	1009	1292	9107

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	2	47	138	95	17	0	0	0	300
57	0	0	0	0	0	25	85	53	7	0	0	0	170
60	0	0	0	0	0	7	29	15	1	0	0	0	53
65	0	0	0	0	0	0	1	1	0	0	0	0	2
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	5	0	3	49	202	421	596	543	352	131	9	0	2311
45	4	0	0	10	89	275	442	389	210	45	1	0	1464
50	2	0	0	1	21	143	288	236	88	7	0	0	785
55	0	0	0	0	2	47	138	95	17	0	0	0	300
60	0	0	0	0	0	7	29	15	1	0	0	0	53

Corn GDD	6	5	13	69	186	332	411	373	282	158	35	3	1872
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1902	3	12	18	23	28	33	38	44	52	71/1984	73
32	16/1978	30	39	46	52	58	63	69	76	86	104/1919	64
28	25/1957	64	73	78	83	88	93	98	103	112	118/1972	60
24	62/1939	100	108	115	120	125	130	136	142	151	177/1987	56
20	105/1939	125	134	141	147	152	157	163	169	178	194/1926	54
16	126/1930	151	159	165	171	175	180	185	191	200	211/1977	51

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	6/19/1980	6/29	7/ 2	7/ 5	7/ 7	7/ 9	7/11	7/13	7/15	7/19	7/19/1902	73
32	6/ 6/1918	6/16	6/20	6/23	6/25	6/28	6/30	7/ 3	7/ 6	7/10	7/18/1957	64
28	5/18/1986	5/30	6/ 5	6/ 9	6/12	6/15	6/18	6/21	6/25	7/ 1	7/15/1957	60
24	4/22/1987	5/ 4	5/10	5/15	5/19	5/23	5/27	5/31	6/ 5	6/12	6/24/1976	56
20	4/18/1980	4/23	4/29	5/ 3	5/ 6	5/ 9	5/12	5/16	5/19	5/25	6/ 2/1919	54
16	3/29/1946	4/ 9	4/15	4/20	4/23	4/27	4/30	5/ 4	5/ 8	5/14	6/ 1/1938	51

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1902	7/18	7/24	7/29	8/ 2	8/ 5	8/ 9	8/13	8/18	8/24	9/ 6/1982	73
32	7/22/1961	8/ 4	8/11	8/16	8/21	8/25	8/29	9/ 2	9/ 7	9/14	9/28/1984	64
28	8/ 9/1957	8/26	9/ 1	9/ 5	9/ 8	9/11	9/14	9/17	9/21	9/27	10/ 6/1981	60
24	8/20/1939	9/ 9	9/15	9/19	9/22	9/26	9/29	10/ 2	10/ 7	10/12	10/23/1918	56
20	8/20/1939	9/18	9/25	9/30	10/ 4	10/ 8	10/12	10/16	10/21	10/27	11/ 9/1944	54
16	9/21/1912	10/ 2	10/ 8	10/12	10/16	10/19	10/23	10/26	10/31	11/ 6	11/12/1987	51

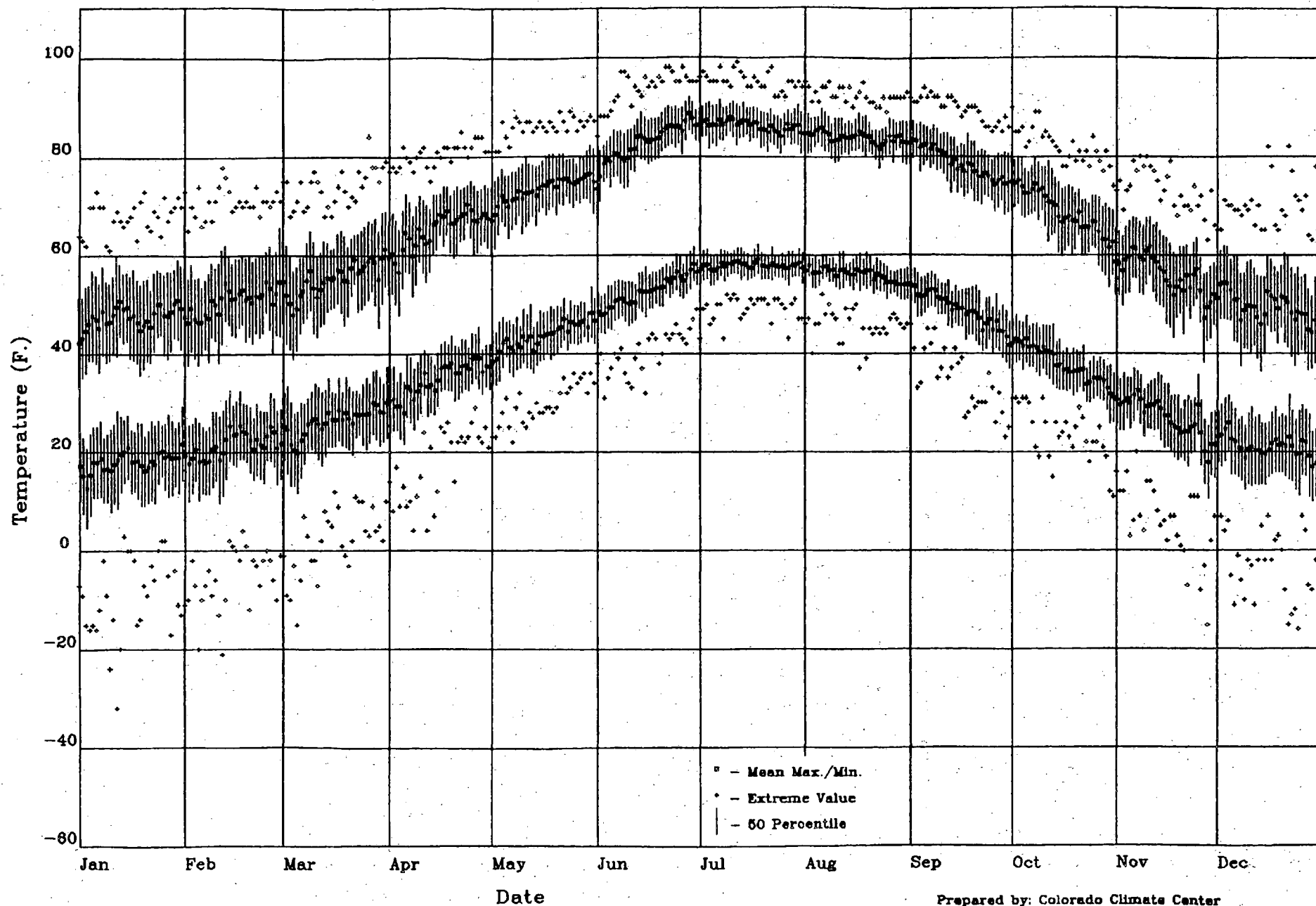
TRINIDAD

Record: 35 years ending in 1987

Lat 37 10

Long 104 29

Elev 6030



Prepared by: Colorado Climate Center

Latitude: 37 10 Longitude: 104 29 Elevation: 6030 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	47.5	50.4	55.3	65.0	73.2	82.7	86.3	83.9	78.6	69.0	56.1	49.4	66.4
Std. Dev.	4.5	5.3	5.1	4.2	3.1	2.9	1.8	2.2	2.7	3.9	3.7	4.6	
Mean Min.	18.0	21.4	26.3	34.8	43.7	52.7	57.9	56.0	48.8	37.8	27.0	21.0	37.1
Std. Dev.	3.8	3.8	3.6	3.0	2.5	2.3	1.5	1.5	2.3	2.2	3.2	3.4	
Num. Yrs.	34	35	34	35	35	35	35	35	35	35	35	35	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	523	393	300	102	15	0	0	0	5	52	267	455	2113
55	675	528	438	186	45	3	0	0	13	115	399	607	3009
57	737	584	497	229	65	5	0	0	19	151	457	668	3413
60	829	667	589	304	107	12	0	1	35	218	546	761	4068
65	982	808	743	445	212	39	3	7	89	356	696	916	5295

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	5	41	159	391	536	471	281	72	3	1	1961
57	0	0	2	25	117	333	474	409	227	46	1	0	1636
60	0	0	1	10	66	250	381	316	153	21	0	0	1199
65	0	0	0	1	17	127	229	168	59	3	0	0	603
70	0	0	0	0	2	43	91	49	11	0	0	0	197

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	39	64	143	329	580	838	1001	936	715	431	142	61	5278
45	11	23	66	207	429	688	846	781	567	289	65	19	3990
50	2	6	23	107	284	538	691	626	422	165	21	4	2887
55	0	1	5	41	159	391	536	471	281	72	3	1	1961
60	0	0	1	10	66	250	381	316	153	21	0	0	1199

Corn GDD	53	72	127	239	372	532	652	606	455	303	127	69	3607
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	95/1974	108	116	121	126	130	135	140	145	153	159/1987	34	
32	97/1983	124	132	137	142	147	151	156	161	169	175/1958	33	
28	147/1970	155	161	165	168	171	175	178	182	188	196/1956	33	
24	154/1984	175	182	186	191	194	198	202	207	214	223/1965	33	
20	188/1970	200	206	211	214	218	221	225	229	236	245/1965	31	
16	202/1969	213	219	224	227	231	234	238	242	248	261/1978	30	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/ 4/1958	5/ 7	5/12	5/15	5/18	5/21	5/23	5/26	5/30	6/ 4	6/15/1983	34	
32	4/22/1959	4/28	5/ 3	5/ 6	5/ 9	5/12	5/15	5/18	5/22	5/27	6/15/1983	33	
28	4/ 5/1977	4/12	4/18	4/21	4/25	4/28	5/ 1	5/ 4	5/ 8	5/13	5/19/1957	33	
24	3/26/1969	4/ 2	4/ 7	4/10	4/13	4/16	4/18	4/21	4/25	4/29	5/ 7/1978	33	
20	3/ 8/1967	3/23	3/27	3/29	4/ 1	4/ 3	4/ 6	4/ 8	4/11	4/15	4/20/1966	31	
16	3/ 8/1967	3/15	3/19	3/23	3/26	3/29	3/31	4/ 3	4/ 7	4/11	4/20/1966	30	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	9/ 3/1961	9/14	9/19	9/22	9/25	9/28	10/ 1	10/ 4	10/ 7	10/12	10/18/1972	34	
32	9/17/1965	9/22	9/27	9/30	10/ 3	10/ 6	10/ 9	10/12	10/15	10/20	10/24/1972	33	
28	9/17/1965	9/29	10/ 5	10/ 9	10/13	10/16	10/19	10/23	10/27	11/ 2	11/ 9/1983	33	
24	9/29/1984	10/11	10/17	10/21	10/24	10/27	10/30	11/ 3	11/ 7	11/12	11/21/1965	33	
20	10/ 9/1970	10/23	10/28	11/ 1	11/ 4	11/ 7	11/10	11/13	11/17	11/22	11/28/1954	31	
16	10/13/1969	10/28	11/ 3	11/ 7	11/11	11/14	11/18	11/21	11/25	12/ 1	12/10/1966	30	

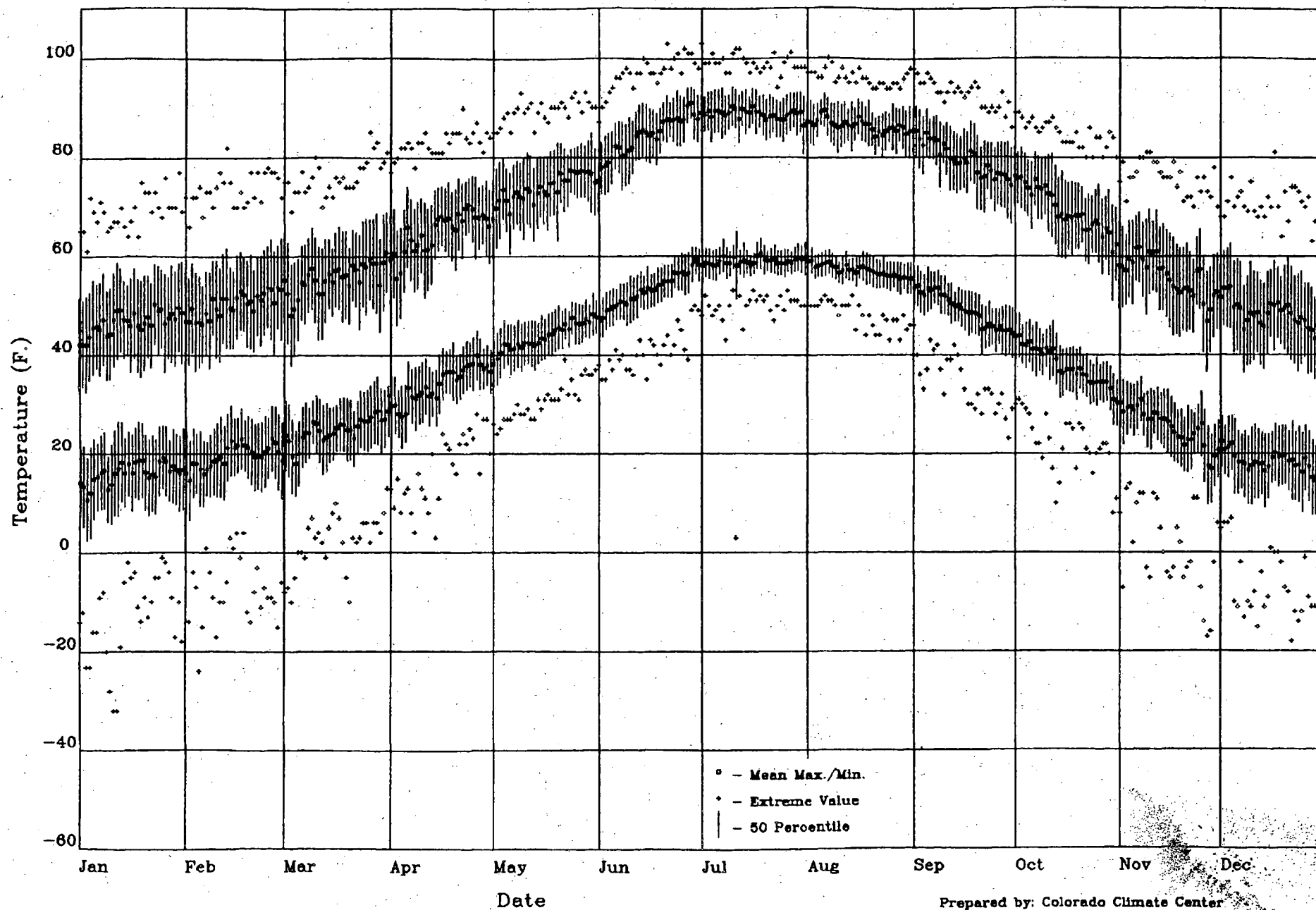
TRINIDAD FAA AP

Record: 40 years ending in 1987

Lat 37 15

Long 104 20

Elev 5750



Prepared by: Colorado Climate Center

Latitude: 37 15 Longitude: 104 20 Elevation: 5750

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	46.6	50.2	55.6	64.9	73.7	84.3	88.7	86.5	79.7	69.4	55.9	48.4	67.0
Std. Dev.	5.4	5.4	4.8	3.9	3.1	3.2	2.2	2.3	3.0	3.9	4.5	4.9	
Mean Min.	16.1	19.6	24.8	34.2	43.8	53.2	59.0	57.1	49.1	37.7	25.5	18.2	36.5
Std. Dev.	4.5	3.9	3.4	2.9	2.0	2.3	1.6	1.6	2.2	2.5	3.2	3.4	
Num. Yrs.	39	39	39	39	39	39	37	40	40	40	39	40	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	568	425	314	115	20	1	0	0	7	62	292	513	2319
55	721	562	451	201	51	4	0	0	17	125	425	665	3221
57	782	617	510	245	71	6	0	0	23	159	483	727	3625
60	875	702	601	318	111	13	1	1	39	221	572	820	4273
65	1029	843	754	456	209	38	3	5	89	351	721	975	5473

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	5	45	176	422	592	528	307	88	4	0	2167
57	0	0	2	29	134	365	530	466	253	61	1	0	1842
60	0	0	1	12	81	281	437	374	179	30	0	0	1396
65	0	0	0	1	24	157	284	223	79	5	0	0	774
70	0	0	0	0	3	64	142	91	21	0	0	0	322

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	38	60	131	320	591	869	1057	993	741	440	139	49	5427
45	11	21	61	203	441	719	902	838	593	301	65	15	4170
50	2	5	21	108	300	569	747	683	447	181	21	3	3087
55	0	1	5	45	176	422	592	528	307	88	4	0	2167
60	0	0	1	12	81	281	437	374	179	30	0	0	1396

Corn GDD 57 77 135 238 376 544 677 636 468 310 136 69 3725

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	103/1975	117	123	127	131	135	138	142	146	152	162/1977	37
32	121/1971	133	139	144	148	152	156	160	165	172	185/1963	37
28	153/1961	162	168	172	176	179	183	186	191	197	210/1977	37
24	155/1984	177	184	189	193	197	200	204	209	216	229/1962	37
20	179/1970	195	202	208	212	216	220	225	230	237	245/1965	36
16	197/1984	206	213	219	224	228	233	238	243	251	272/1963	34

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	4/22/1977	5/ 3	5/ 8	5/11	5/14	5/17	5/20	5/23	5/26	5/31	6/15/1976	37
32	4/12/1977	4/23	4/28	5/ 1	5/ 4	5/ 7	5/ 9	5/12	5/15	5/20	5/26/1950	37
28	4/ 5/1977	4/10	4/14	4/17	4/20	4/23	4/25	4/28	5/ 1	5/ 5	5/13/1953	37
24	3/20/1986	4/ 1	4/ 5	4/ 9	4/11	4/14	4/16	4/19	4/22	4/27	5/ 2/1954	37
20	3/ 8/1967	3/20	3/26	3/29	4/ 1	4/ 4	4/ 7	4/11	4/14	4/19	4/30/1960	36
16	3/ 5/1963	3/13	3/19	3/23	3/27	3/30	4/ 3	4/ 6	4/11	4/17	4/27/1984	34

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	9/ 3/1961	9/16	9/20	9/23	9/26	9/28	10/ 1	10/ 4	10/ 7	10/11	10/14/1963	37
32	9/10/1962	9/21	9/26	9/30	10/ 3	10/ 6	10/ 9	10/12	10/16	10/21	11/ 2/1950	37
28	9/21/1965	10/ 3	10/ 9	10/13	10/16	10/19	10/22	10/25	10/29	11/ 3	11/ 9/1983	37
24	9/29/1984	10/11	10/17	10/21	10/24	10/27	10/31	11/ 3	11/ 7	11/13	11/22/1965	37
20	10/ 9/1970	10/23	10/28	11/ 1	11/ 4	11/ 7	11/10	11/13	11/17	11/22	12/ 1/1981	36
16	10/13/1969	10/29	11/ 3	11/ 7	11/10	11/13	11/17	11/20	11/24	11/29	12/ 4/1949	34

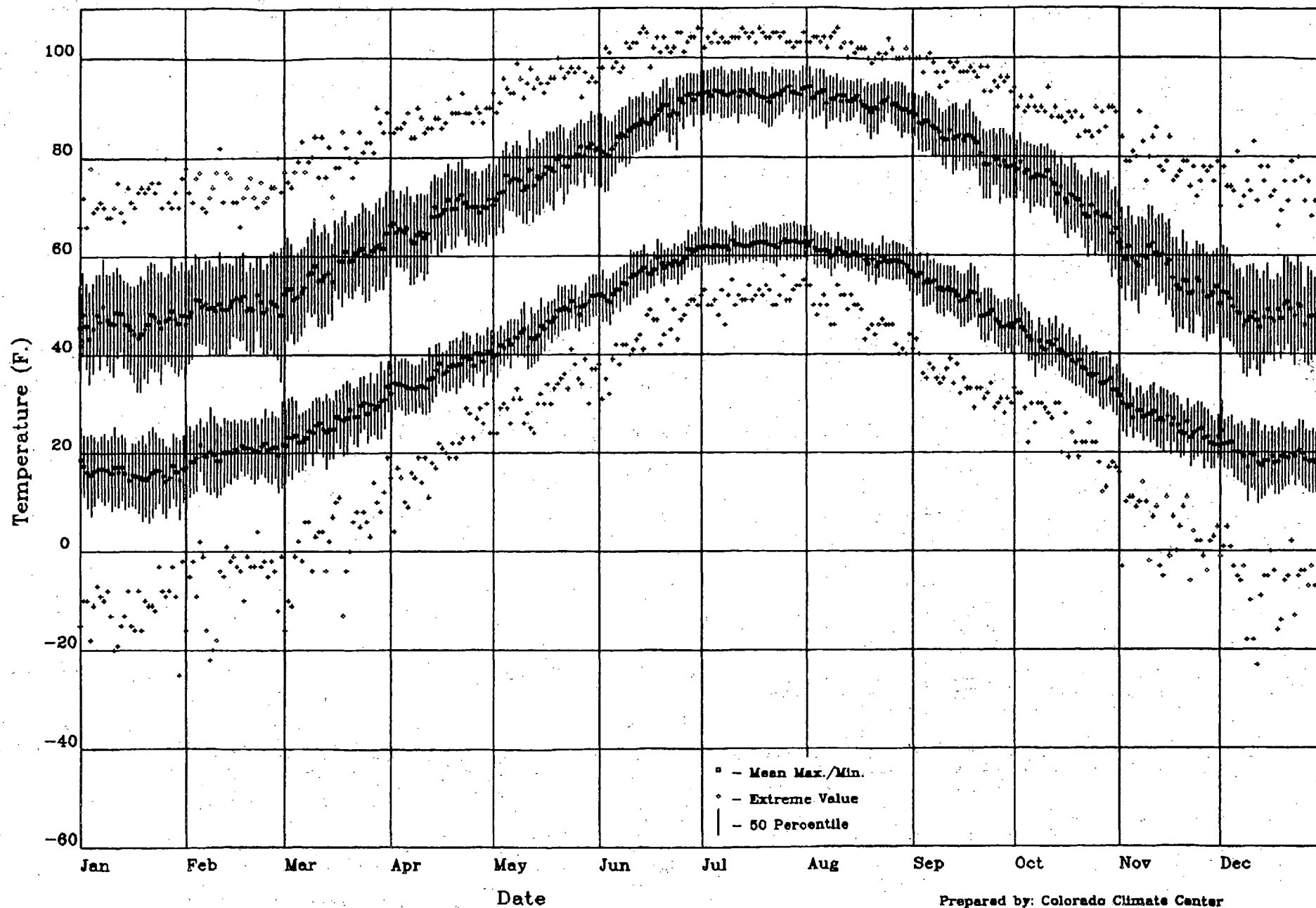
TWO BUTTES

Record: 48 years ending in 1975

Lat 37 34

Long 102 24

Elev 4130



Latitude: 37 34 Longitude: 102 24 Elevation: 4130 Period of Record: 58 years ending in 1975

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	46.7	49.9	57.5	67.8	77.0	86.8	92.8	91.3	83.1	72.4	57.1	48.5	69.2
Std. Dev.	7.9	6.5	5.8	5.1	4.1	4.5	3.2	2.4	3.7	4.5	5.6	5.8	
Mean Min.	16.1	20.4	26.5	36.5	46.1	56.5	62.2	59.7	51.1	39.4	26.1	19.3	38.3
Std. Dev.	5.0	4.6	4.2	2.7	2.9	2.8	3.1	2.8	3.2	3.0	3.0	4.1	
Num. Yrs.	43	42	41	45	44	43	42	41	42	43	41	41	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	568	416	276	71	10	1	0	0	3	39	265	491	2140
55	720	553	406	142	29	2	0	0	9	88	395	641	2985
57	781	608	463	180	44	3	0	0	13	116	453	702	3363
60	873	692	552	247	74	6	0	1	25	168	540	794	3973
65	1026	833	704	379	153	21	0	3	63	287	688	947	5104

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	11	65	236	505	689	633	377	122	4	1	2646
57	0	0	7	44	190	446	629	572	322	89	2	0	2300
60	0	0	3	21	128	360	537	481	244	49	0	0	1824
65	0	0	1	5	53	226	386	331	133	12	0	0	1147
70	0	0	0	1	15	115	239	187	54	1	0	0	612

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	36	57	165	381	668	948	1145	1090	816	504	142	48	6001
45	10	19	85	252	517	799	993	937	668	360	66	16	4724
50	2	5	35	143	371	652	841	785	521	229	22	4	3610
55	0	1	11	65	236	505	689	633	377	122	4	1	2646
60	0	0	3	21	128	360	537	481	244	49	0	0	1824

Corn GDD	64	75	157	273	422	593	719	683	518	352	144	72	4074
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	106/1951	122	129	134	138	142	147	151	156	163	167/1939	26
32	128/1919	146	152	156	160	164	167	171	175	181	184/1963	26
28	162/1933	171	178	183	188	192	196	200	205	212	236/1934	26
24	177/1932	187	194	199	204	208	212	217	222	229	241/1934	25
20	188/1952	198	206	212	217	221	226	231	237	245	255/1963	22
16	212/1940	215	223	229	234	238	243	248	254	262	264/1965	17

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	4/21/1939	4/30	5/ 4	5/ 8	5/10	5/13	5/16	5/19	5/22	5/27	6/ 4/1919	26
32	4/ 8/1942	4/18	4/23	4/26	4/29	5/ 2	5/ 5	5/ 8	5/11	5/16	6/ 4/1919	26
28	3/21/1919	3/30	4/ 6	4/10	4/14	4/17	4/21	4/25	4/29	5/ 6	5/13/1953	26
24	3/ 8/1919	3/23	3/29	4/ 1	4/ 5	4/ 8	4/11	4/14	4/18	4/23	4/30/1950	25
20	3/ 9/1961	3/18	3/23	3/27	3/30	4/ 2	4/ 5	4/ 8	4/12	4/17	4/18/1953	22
16	3/ 3/1922	3/ 9	3/14	3/18	3/21	3/24	3/27	3/31	4/ 4	4/ 9	4/12/1940	17

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	9/ 4/1961	9/17	9/22	9/26	9/29	10/ 3	10/ 6	10/ 9	10/13	10/18	10/28/1963	26
32	9/22/1951	9/27	10/ 3	10/ 6	10/10	10/13	10/16	10/19	10/23	10/28	11/ 4/1965	26
28	10/ 5/1932	10/12	10/17	10/20	10/23	10/26	10/29	11/ 1	11/ 4	11/ 9	11/22/1934	26
24	10/ 5/1932	10/18	10/23	10/27	10/30	11/ 2	11/ 5	11/ 8	11/11	11/16	11/22/1934	25
20	10/15/1952	10/26	10/31	11/ 3	11/ 7	11/ 9	11/12	11/15	11/19	11/24	11/27/1963	22
16	11/ 2/1951	11/ 4	11/ 9	11/12	11/15	11/18	11/20	11/23	11/27	12/ 1	12/15/1965	17

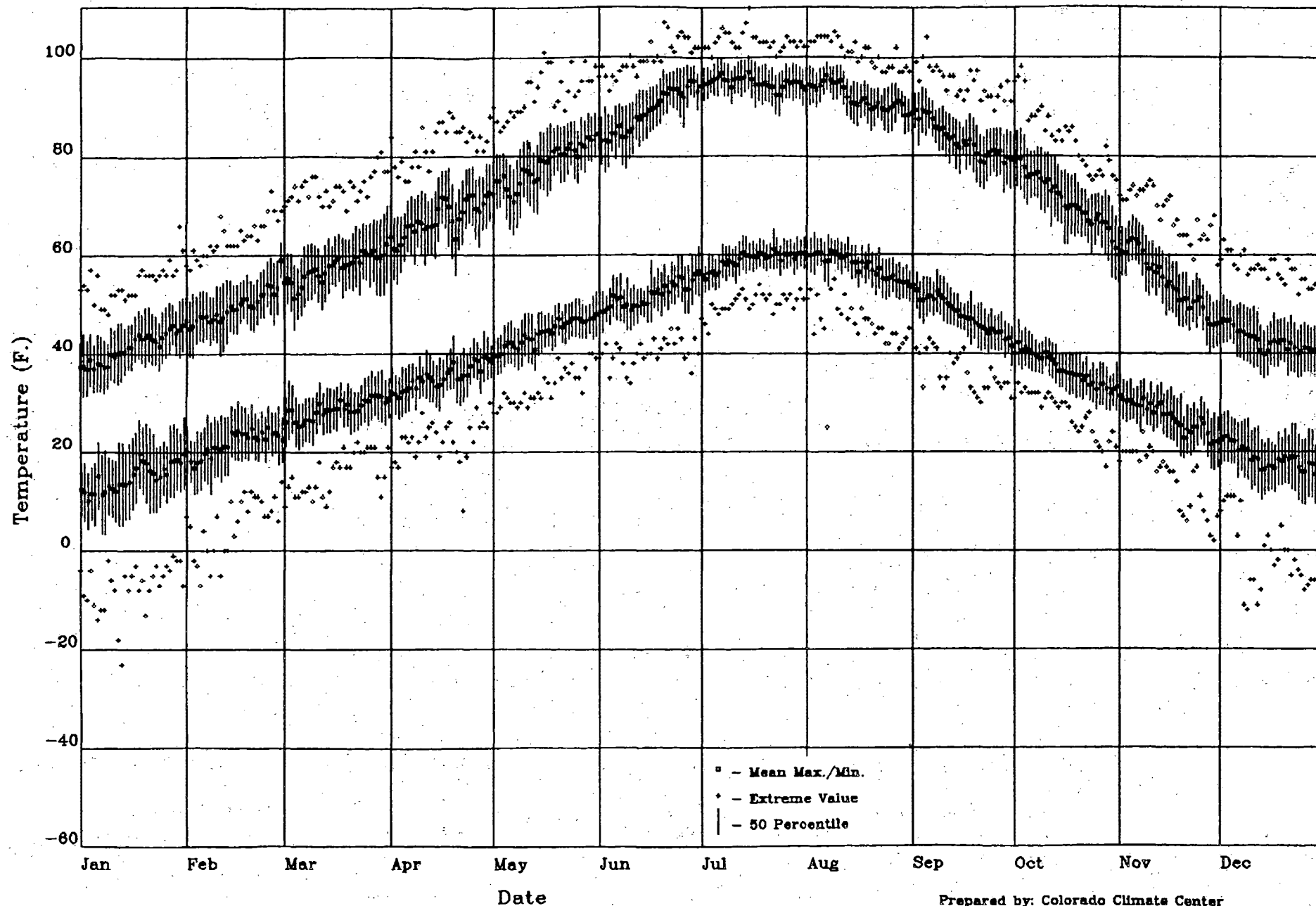
URAVAN

Record: 28 years ending in 1987

Lat 38 22

Long 108 44

Elev 5010



Prepared by: Colorado Climate Center

Latitude: 38 22 Longitude: 108 44 Elevation: 5010

Period of Record: 28 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	41.4	49.3	57.6	67.4	78.1	88.8	94.7	91.9	83.3	71.2	54.6	42.6	68.4
Std. Dev.	4.1	3.9	3.9	4.1	3.8	3.6	1.9	2.0	3.4	4.7	3.4	3.8	
Mean Min.	15.0	21.8	28.8	35.3	44.1	51.7	58.9	57.5	47.8	36.8	27.1	18.7	37.0
Std. Dev.	5.7	4.5	3.3	2.4	2.2	3.0	2.3	2.6	2.9	2.4	2.5	4.0	
Num. Yrs.	25	27	26	27	27	25	26	25	26	26	27	27	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	653	394	218	66	6	0	0	0	1	34	268	583	2225
55	805	533	357	143	24	1	0	0	6	91	410	736	3105
57	866	588	416	184	38	2	0	0	10	127	469	797	3497
60	957	672	507	256	66	5	0	0	20	193	557	888	4123
65	1109	810	659	395	144	20	0	1	60	328	704	1041	5272

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	3	42	217	457	665	609	321	68	0	0	2382
57	0	0	1	24	170	400	605	548	267	43	0	0	2058
60	0	0	0	9	107	315	514	456	189	19	0	0	1610
65	0	0	0	0	34	183	363	305	82	3	0	0	969
70	0	0	0	0	4	81	213	161	21	0	0	0	481

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	5	28	142	346	647	896	1119	1067	756	434	100	8	5547
45	0	4	57	216	497	750	968	914	609	291	33	1	4340
50	0	0	17	112	350	603	816	761	463	163	5	0	3292
55	0	0	3	42	217	457	665	609	321	68	0	0	2382
60	0	0	0	9	107	315	514	456	189	19	0	0	1610

Corn GDD	8	39	131	259	425	549	675	660	488	323	94	9	3661
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Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	90/1978	101	110	117	122	127	132	138	144	153	160/1987	8
32	93/1978	113	126	134	142	149	156	163	172	184	180/1987	7
28	111/1978	134	149	160	170	178	187	196	207	223	209/1965	6
24	187/1984	188	196	202	207	212	217	222	228	236	231/1987	4
20	214/1984	213	217	221	224	226	229	232	235	240	233/1973	3
16	232/1987	212	227	238	247	256	265	274	285	300	280/1984	2

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	4/22/1987	4/26	5/ 2	5/ 7	5/10	5/14	5/17	5/21	5/25	5/31	6/10/1984	8
32	4/22/1987	4/28	5/ 1	5/ 4	5/ 6	5/ 8	5/ 9	5/11	5/14	5/17	5/14/1985	7
28	4/14/1987	4/13	4/16	4/18	4/19	4/21	4/22	4/24	4/26	4/29	4/29/1984	6
24	3/30/1987	3/30	4/ 3	4/ 6	4/ 8	4/11	4/13	4/16	4/19	4/23	4/21/1984	4
20	3/30/1987	3/26	3/31	4/ 4	4/ 7	4/ 9	4/12	4/15	4/19	4/24	4/21/1984	3
16	2/21/1984	2/ 6	2/17	2/26	3/ 5	3/12	3/18	3/25	4/ 3	4/14	3/30/1987	2

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	8/ 7/1978	8/26	9/ 3	9/ 8	9/13	9/18	9/23	9/28	10/ 3	10/11	9/30/1984	8
32	8/ 7/1978	8/31	9/11	9/20	9/27	10/ 3	10/10	10/17	10/25	11/ 6	10/19/1965	7
28	8/ 7/1978	9/ 1	9/16	9/28	10/ 7	10/16	10/25	11/ 4	11/15	12/ 1	11/10/1965	6
24	10/25/1984	10/26	10/31	11/ 3	11/ 6	11/ 9	11/11	11/14	11/17	11/22	11/16/1987	4
20	11/17/1987	11/15	11/17	11/19	11/20	11/22	11/23	11/24	11/26	11/28	11/27/1973	3
16	11/17/1987	11/13	11/16	11/18	11/21	11/23	11/24	11/27	11/29	12/ 2	11/28/1984	2

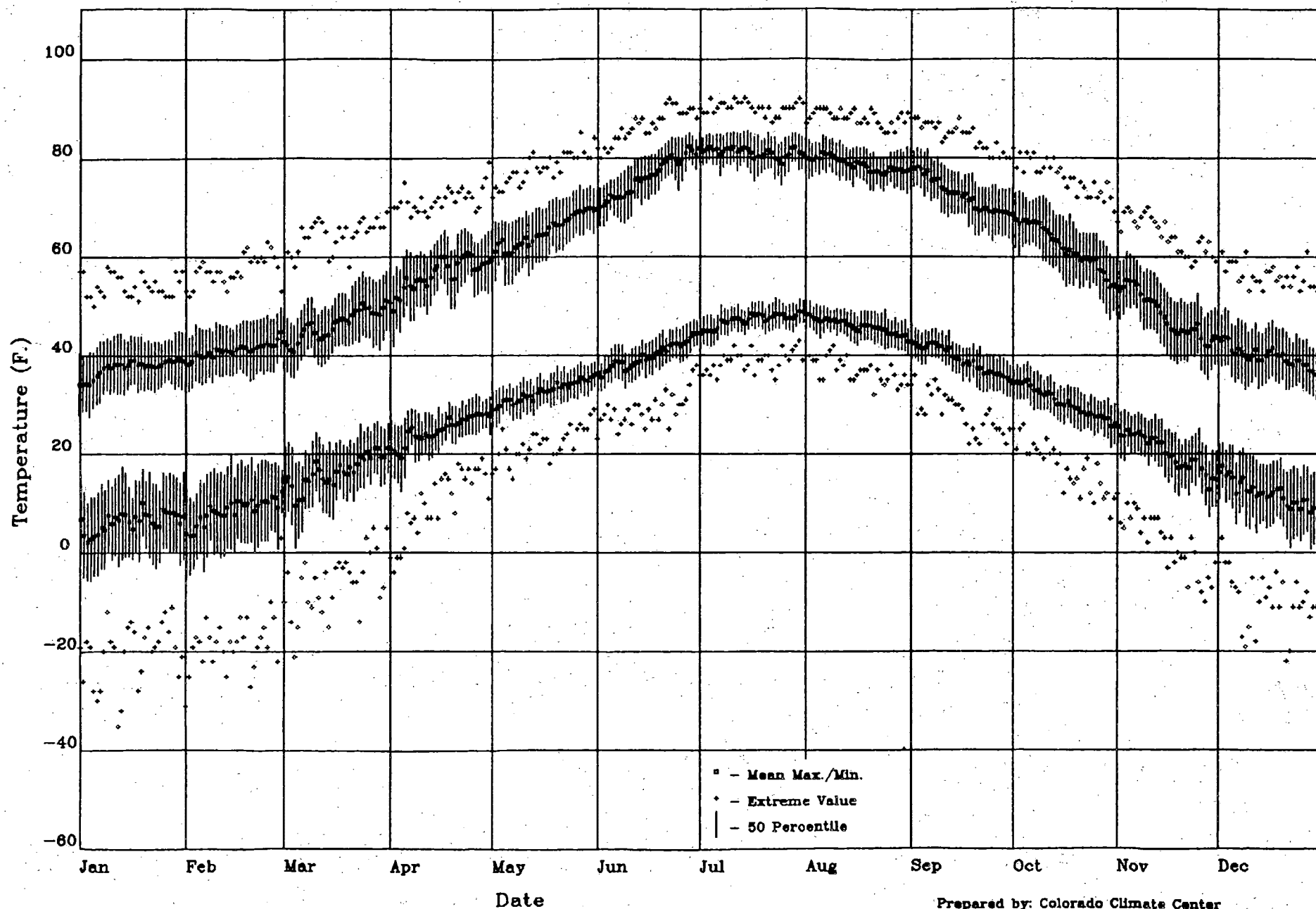
VALLECITO DAM

Record: 40 years ending in 1987

Lat 37 22

Long 107 35

Elev 7650



Prepared by: Colorado Climate Center

Latitude: 37 22 Longitude: 107 35 Elevation: 7650 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	37.6	41.0	46.3	56.3	65.0	76.0	81.1	78.7	72.6	62.2	48.4	39.7	58.7
Std. Dev.	4.0	4.1	4.1	3.7	3.4	3.0	2.4	2.2	3.7	4.7	4.1	3.9	
Mean Min.	6.3	8.5	16.5	24.9	32.6	39.9	47.2	45.9	39.1	30.4	20.4	11.8	27.0
Std. Dev.	4.6	5.4	3.6	2.5	1.7	2.0	1.6	2.1	2.1	2.2	2.8	4.2	
Num. Yrs.	39	39	39	39	39	39	38	39	40	40	40	40	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	862	706	569	278	88	5	0	0	12	139	461	744	3863
55	1017	847	724	425	195	31	0	1	47	265	611	899	5062
57	1079	903	786	485	251	51	1	3	75	324	671	961	5589
60	1172	988	879	575	340	95	5	14	134	416	761	1054	6433
65	1327	1129	1034	725	495	209	51	89	267	571	911	1209	8017

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	11	126	291	235	81	4	0	0	749
57	0	0	0	0	4	87	229	175	49	1	0	0	545
60	0	0	0	0	1	41	141	93	18	0	0	0	294
65	0	0	0	0	0	5	32	14	1	0	0	0	52
70	0	0	0	0	0	0	1	0	0	0	0	0	1

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	1	14	95	287	545	756	699	485	225	27	0	3133
45	0	0	2	26	154	396	601	544	337	109	3	0	2171
50	0	0	0	3	58	251	446	389	196	33	0	0	1376
55	0	0	0	0	11	126	291	235	81	4	0	0	749
60	0	0	0	0	1	41	141	93	18	0	0	0	294

Corn GDD	3	7	32	118	235	389	485	449	340	200	48	6	2312
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	32/1973	53	61	67	73	78	82	88	94	102	106/1959	37	
32	64/1964	79	87	93	97	102	106	111	116	124	140/1956	36	
28	76/1973	101	111	117	123	128	134	140	146	156	165/1958	36	
24	122/1971	136	144	149	153	158	162	166	171	179	191/1963	36	
20	152/1971	164	172	177	182	186	191	196	201	209	220/1965	36	
16	170/1975	190	197	202	206	210	214	219	224	231	241/1954	36	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	6/ 4/1959	6/ 9	6/13	6/16	6/18	6/21	6/23	6/25	6/28	7/ 2	7/17/1987	37	
32	5/16/1956	5/26	5/31	6/ 4	6/ 7	6/10	6/12	6/15	6/19	6/24	6/27/1965	36	
28	5/ 9/1958	5/10	5/16	5/20	5/24	5/27	5/30	6/ 3	6/ 7	6/13	6/24/1976	36	
24	4/15/1949	4/25	5/ 1	5/ 5	5/ 8	5/11	5/14	5/17	5/21	5/26	6/ 7/1954	36	
20	4/ 2/1954	4/ 9	4/14	4/18	4/21	4/24	4/28	5/ 1	5/ 5	5/10	5/20/1974	36	
16	3/19/1986	3/28	4/ 2	4/ 5	4/ 8	4/10	4/13	4/16	4/19	4/23	5/ 7/1975	36	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	7/23/1973	8/19	8/25	8/30	9/ 3	9/ 6	9/10	9/14	9/18	9/25	9/29/1963	37	
32	8/21/1964	9/ 5	9/10	9/13	9/16	9/19	9/22	9/25	9/29	10/ 4	10/13/1963	36	
28	9/ 3/1973	9/16	9/22	9/26	9/29	10/ 3	10/ 6	10/ 9	10/13	10/19	10/22/1979	36	
24	9/18/1971	9/30	10/ 5	10/ 9	10/12	10/15	10/19	10/22	10/26	10/31	11/ 9/1983	36	
20	10/ 5/1969	10/13	10/18	10/22	10/25	10/28	10/31	11/ 3	11/ 7	11/12	11/22/1965	36	
16	10/18/1968	10/23	10/28	11/ 1	11/ 4	11/ 7	11/10	11/13	11/16	11/21	11/28/1954	36	

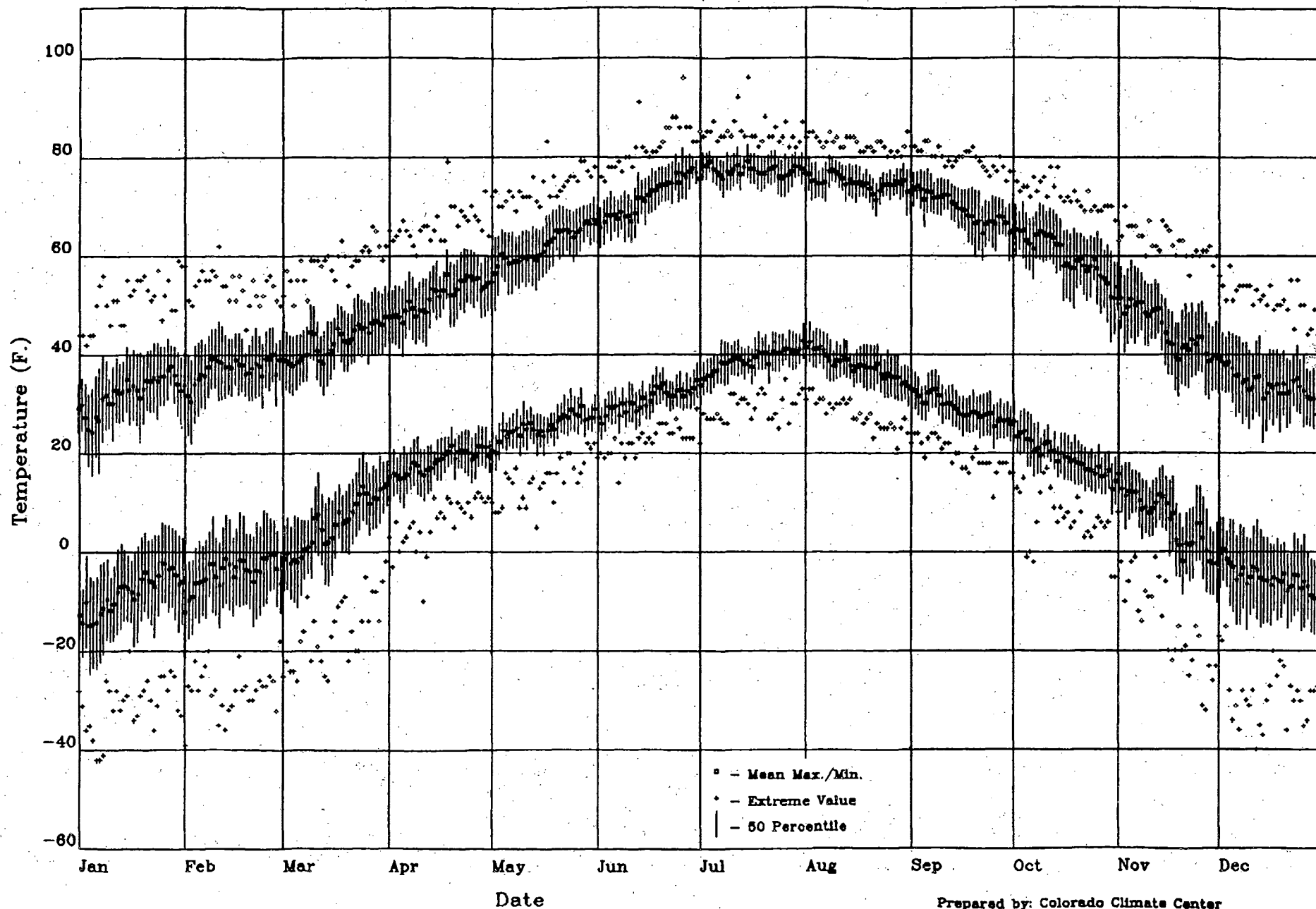
WAGON WHEEL GAP 3 N

Record: 24 years ending in 1972

Lat 37 48

Long 106 50

Elev 8500



Prepared by: Colorado Climate Center

Latitude: 37 48 Longitude: 106 50 Elevation: 8500

Period of Record: 26 years ending in 1972

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	32.1	37.0	42.4	51.6	61.9	71.9	77.1	74.7	69.7	60.4	45.2	33.6	54.8
Std. Dev.	5.4	5.2	3.8	3.4	3.2	3.2	1.7	1.8	3.5	5.4	5.7	4.9	
Mean Min.	-8.0	-3.6	5.9	18.3	25.4	30.9	38.9	38.1	29.1	19.2	6.4	-5.7	16.2
Std. Dev.	5.8	6.4	5.9	2.4	1.7	2.1	2.3	3.4	2.7	2.4	4.1	5.1	
Num. Yrs.	23	23	23	23	22	21	23	23	24	23	24	23	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1131	936	787	442	194	40	0	2	57	295	705	1096	5684
55	1282	1077	940	591	338	120	9	25	162	441	852	1249	7085
57	1342	1133	1002	650	398	166	24	50	216	500	911	1310	7702
60	1432	1218	1094	740	488	245	69	110	301	588	999	1402	8686
65	1582	1360	1247	888	639	388	205	249	445	736	1147	1556	10441

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	1	21	110	74	6	0	0	0	212
57	0	0	0	0	0	9	63	40	2	0	0	0	115
60	0	0	0	0	0	2	18	10	0	0	0	0	30
65	0	0	0	0	0	0	1	0	0	0	0	0	1
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	1	25	147	335	557	495	280	73	1	0	1915
45	0	0	0	4	51	199	405	347	146	15	0	0	1165
50	0	0	0	0	8	85	253	200	46	2	0	0	593
55	0	0	0	0	1	21	110	74	6	0	0	0	212
60	0	0	0	0	0	2	18	10	0	0	0	0	30

Corn GDD 2 4 14 67 187 315 413 368 284 171 35 2 1862

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1952	0	1	6	10	14	18	23	28	34	44/1957	22
32	3/1968	2	10	16	21	26	31	36	42	50	58/1957	17
28	14/1958	24	34	41	48	53	59	65	72	82	83/1971	9
24	59/1964	56	63	69	74	78	83	88	93	101	94/1961	3
20	115/1964	107	113	118	121	125	129	132	137	143	135/1961	2
16	143/1964	139	142	144	147	149	150	153	155	158	154/1961	2

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	6/29/1954	7/ 7	7/ 9	7/11	7/13	7/14	7/16	7/17	7/19	7/21	7/19/1952	22
32	6/28/1966	6/29	7/ 2	7/ 4	7/ 6	7/ 8	7/10	7/12	7/14	7/17	7/18/1960	17
28	6/14/1971	6/14	6/18	6/20	6/22	6/24	6/26	6/28	6/30	7/ 4	7/ 7/1958	9
24	6/ 3/1961	6/ 2	6/ 7	6/10	6/13	6/16	6/19	6/22	6/25	6/30	6/23/1964	3
20	5/13/1961	5/ 1	5/10	5/17	5/23	5/28	6/ 2	6/ 8	6/15	6/24	6/12/1964	2
16	4/29/1961	4/21	4/27	5/ 1	5/ 5	5/ 9	5/12	5/16	5/20	5/26	5/18/1964	2

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1952	7/14	7/19	7/22	7/26	7/28	7/31	8/ 3	8/ 7	8/12	8/20/1969	22
32	7/20/1952	7/16	7/22	7/27	7/31	8/ 3	8/ 6	8/10	8/15	8/21	9/ 2/1957	17
28	7/21/1958	7/22	7/31	8/ 6	8/11	8/16	8/21	8/27	9/ 2	9/11	9/10/1957	9
24	8/21/1964	8/19	8/24	8/27	8/30	9/ 2	9/ 5	9/ 8	9/12	9/17	9/12/1957	3
20	9/25/1961	9/21	9/24	9/26	9/28	9/30	10/ 2	10/ 4	10/ 6	10/ 9	10/ 5/1964	2
16	9/30/1961	9/27	9/29	10/ 1	10/ 3	10/ 4	10/ 5	10/ 7	10/ 9	10/11	10/ 8/1964	2

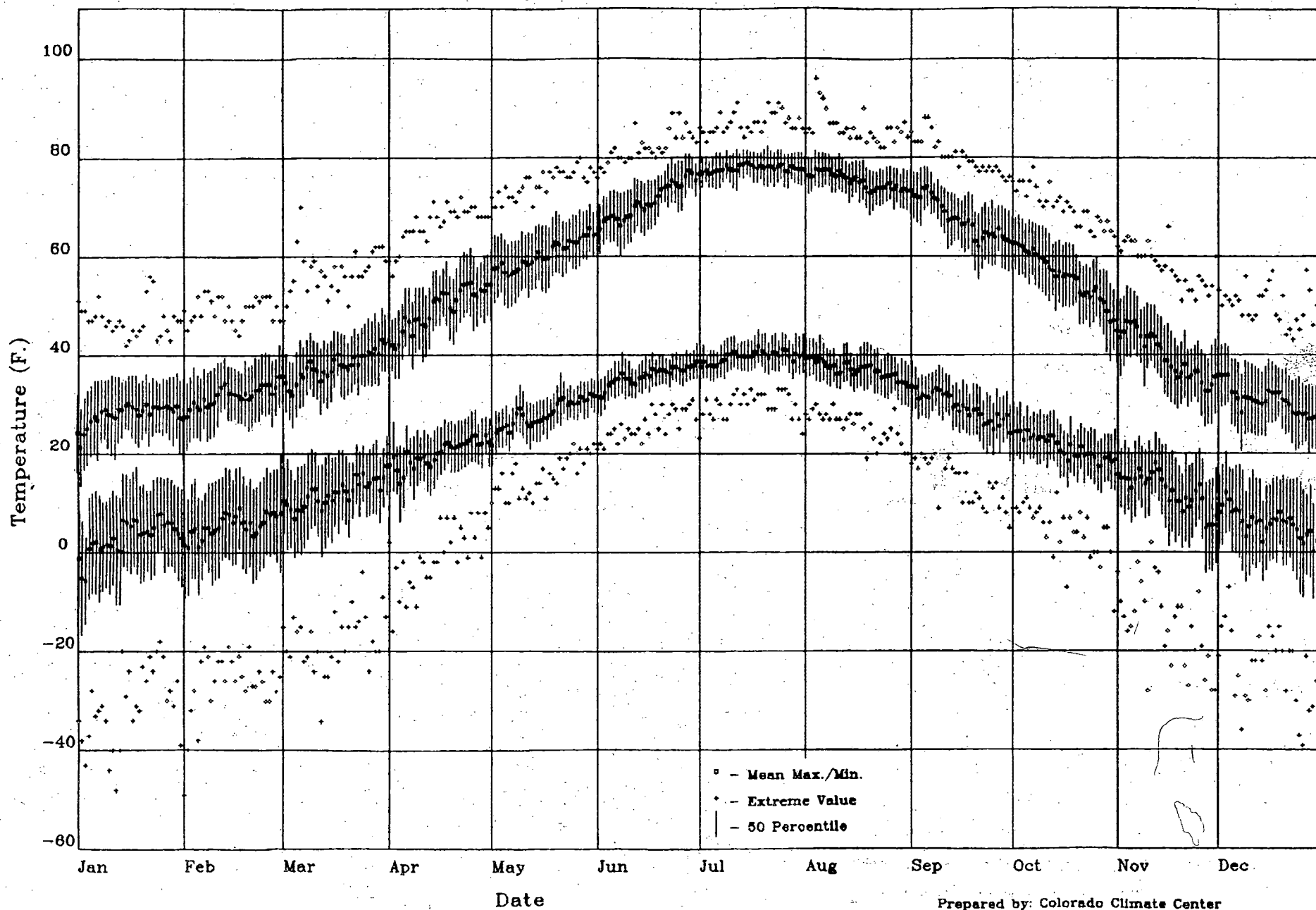
WALDEN

Record: 40 years ending in 1987

Lat 40 44

Long 106 17

Elev 8120



Prepared by: Colorado Climate Center

Latitude: 40 44 Longitude: 106 17 Elevation: 8120 Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	28.1	31.6	37.8	49.2	60.2	71.0	77.7	75.3	67.6	56.1	39.9	30.7	52.1
Std. Dev.	4.6	4.5	4.4	4.0	3.2	3.2	1.7	2.2	3.6	4.2	4.6	4.6	
Mean Min.	3.2	5.6	12.1	20.1	28.1	35.8	39.6	37.0	29.4	21.2	12.4	5.8	20.9
Std. Dev.	5.8	5.7	5.0	2.5	1.9	1.6	1.8	2.6	2.8	2.2	4.1	4.5	
Num. Yrs.	38	37	38	38	39	38	38	40	39	39	39	39	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1051	872	768	451	188	28	0	4	88	347	703	972	5471
55	1205	1012	923	600	329	83	6	30	194	500	851	1126	6860
57	1267	1068	985	659	389	121	16	57	249	562	911	1188	7473
60	1360	1152	1078	749	482	195	57	121	335	655	1000	1280	8464
65	1514	1292	1232	898	636	340	187	266	484	810	1149	1434	10243

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	1	41	126	73	9	0	0	0	250
57	0	0	0	0	0	19	75	38	3	0	0	0	137
60	0	0	0	0	0	4	24	10	1	0	0	0	39
65	0	0	0	0	0	0	1	0	0	0	0	0	1
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	2	31	168	405	579	507	273	64	3	0	2031
45	0	0	0	6	68	262	426	353	146	15	0	0	1276
50	0	0	0	0	15	134	273	202	51	1	0	0	677
55	0	0	0	0	1	41	126	73	9	0	0	0	250
60	0	0	0	0	0	4	24	10	1	0	0	0	39

Corn GDD	0	0	6	57	171	312	424	391	267	126	14	1	1768
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	0/1949	0	2	7	10	14	17	21	26	32	54/1983	36	
32	0/1960	10	18	25	30	35	40	45	51	60	71/1984	35	
28	40/1952	44	53	59	64	69	74	79	85	94	117/1961	33	
24	60/1968	82	89	94	99	103	107	112	117	124	129/1949	32	
20	102/1978	108	113	117	121	124	127	131	135	140	149/1982	30	
16	116/1975	128	134	139	142	146	150	153	158	164	175/1980	28	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	6/22/1981	7/ 2	7/ 6	7/ 8	7/10	7/12	7/13	7/15	7/18	7/21	7/19/1949	36	
32	6/ 5/1949	6/17	6/23	6/26	6/29	7/ 2	7/ 5	7/ 8	7/12	7/17	7/19/1960	35	
28	5/ 9/1949	5/27	6/ 2	6/ 6	6/10	6/14	6/17	6/21	6/25	7/ 1	7/ 8/1952	33	
24	5/ 7/1949	5/14	5/19	5/23	5/26	5/29	6/ 1	6/ 4	6/ 7	6/12	7/ 1/1968	32	
20	4/29/1961	5/ 5	5/ 9	5/11	5/13	5/15	5/16	5/18	5/21	5/24	5/30/1975	30	
16	4/ 5/1985	4/21	4/26	4/30	5/ 3	5/ 6	5/ 9	5/12	5/15	5/21	5/26/1975	28	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.	
36	7/19/1949	7/14	7/20	7/21	7/23	7/25	7/28	7/30	8/ 2	8/ 6	8/28/1983	36	
32	7/19/1960	7/19	7/25	7/30	8/ 3	8/ 6	8/10	8/14	8/18	8/25	9/ 7/1983	35	
28	7/28/1963	8/ 3	8/ 9	8/14	8/18	8/21	8/25	8/29	9/ 3	9/ 9	9/19/1982	33	
24	7/31/1950	8/23	8/28	9/ 2	9/ 5	9/ 9	9/12	9/16	9/20	9/26	9/30/1982	32	
20	8/19/1978	8/31	9/ 5	9/ 9	9/12	9/16	9/19	9/22	9/26	10/ 1	10/ 6/1986	30	
16	9/10/1957	9/15	9/20	9/23	9/26	9/29	10/ 1	10/ 4	10/ 8	10/13	10/25/1972	28	

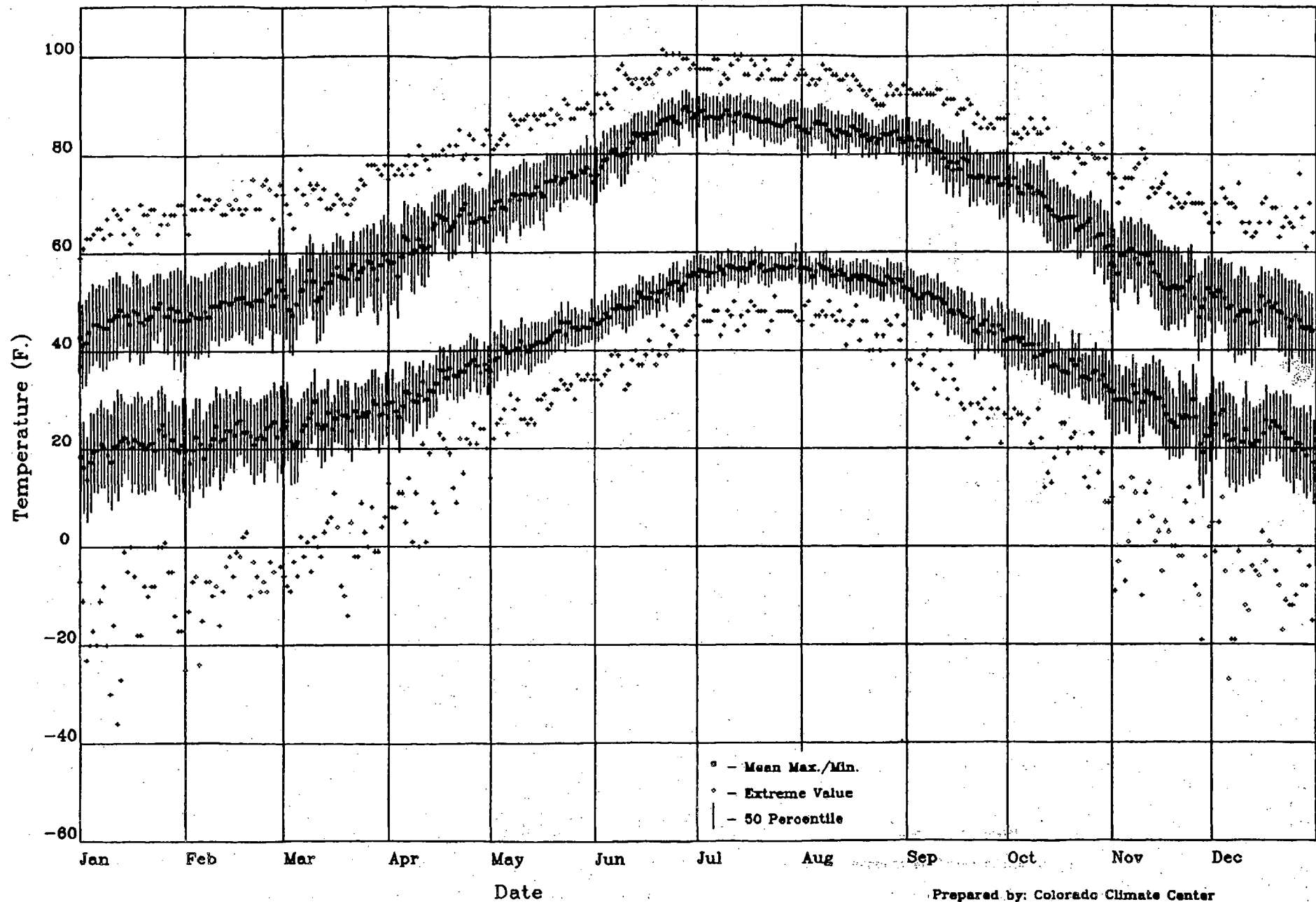
WALSENBURG

Record: 40 years ending in 1987

Lat 37 38

Long 104 47

Elev 6150



Latitude: 37 38 Longitude: 104 47 Elevation: 6150

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	46.3	49.4	54.4	63.9	72.9	83.1	87.2	84.3	78.2	68.3	55.1	47.6	65.9
Std. Dev.	4.9	4.9	4.7	4.0	3.3	3.4	2.7	2.6	2.9	4.2	4.3	4.5	
Mean Min.	20.3	22.4	26.0	33.3	42.1	50.5	56.6	55.1	47.7	37.7	27.8	22.1	36.8
Std. Dev.	5.2	4.1	3.5	2.8	1.9	2.4	1.8	1.7	2.5	2.8	3.5	3.9	
Num. Yrs.	39	39	39	39	39	39	39	40	40	40	40	39	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	509	397	313	119	19	1	0	0	6	61	275	462	2164
55	660	533	453	214	53	4	0	0	16	127	403	611	3075
57	721	589	513	261	76	7	0	0	24	164	460	672	3487
60	814	673	604	340	123	14	0	1	43	231	547	764	4156
65	968	814	759	484	236	46	3	9	106	366	696	918	5406

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	3	29	138	366	529	463	261	74	6	1	1870
57	0	0	1	17	99	309	467	401	209	49	2	0	1555
60	0	0	0	6	53	227	375	309	139	23	0	0	1131
65	0	0	0	0	12	109	224	162	52	3	0	0	562
70	0	0	0	0	1	34	92	51	11	0	0	0	188

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	54	70	129	292	550	811	992	927	696	421	151	62	5156
45	18	26	58	175	400	662	837	773	548	282	74	22	3873
50	4	6	18	84	258	513	683	618	401	162	27	5	2780
55	0	1	3	29	138	366	529	463	261	74	6	1	1870
60	0	0	0	6	53	227	375	309	139	23	0	0	1131

Corn GDD 42 60 114 220 361 512 632 594 446 294 117 50 3441

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	98/1973	106	113	118	122	126	131	135	140	147	156/1987	35
32	104/1975	122	130	136	141	145	150	155	160	168	179/1955	35
28	126/1983	147	154	159	164	168	172	177	182	189	198/1955	34
24	154/1984	171	178	183	188	192	196	200	205	213	230/1965	33
20	178/1966	188	195	200	204	208	212	216	221	228	247/1965	33
16	198/1959	208	213	217	220	223	227	230	234	239	247/1965	31

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/ 4/1958	5/ 9	5/13	5/16	5/19	5/21	5/24	5/26	5/29	6/ 3	6/11/1975	35
32	4/22/1977	4/27	5/ 2	5/ 5	5/ 8	5/10	5/13	5/16	5/19	5/23	6/10/1975	35
28	4/ 6/1977	4/15	4/20	4/23	4/26	4/28	5/ 1	5/ 4	5/ 7	5/12	5/18/1983	34
24	3/26/1969	4/ 2	4/ 6	4/ 9	4/12	4/15	4/17	4/20	4/24	4/28	5/ 6/1982	33
20	3/ 8/1967	3/26	3/31	4/ 3	4/ 6	4/ 8	4/11	4/14	4/17	4/22	5/ 1/1954	33
16	3/ 8/1967	3/18	3/23	3/27	3/30	4/ 2	4/ 5	4/ 8	4/12	4/17	5/ 1/1954	31

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	9/ 3/1961	9/11	9/16	9/19	9/22	9/25	9/27	9/30	10/ 4	10/ 8	10/14/1960	35
32	9/ 4/1961	9/15	9/21	9/25	9/29	10/ 3	10/ 6	10/10	10/14	10/20	11/ 3/1950	35
28	9/18/1971	9/26	10/ 2	10/ 6	10/10	10/13	10/17	10/20	10/24	10/30	11/ 7/1962	34
24	9/19/1971	10/ 5	10/11	10/16	10/20	10/23	10/27	10/31	11/ 5	11/11	11/28/1965	33
20	10/ 9/1970	10/17	10/23	10/27	10/30	11/ 2	11/ 6	11/ 9	11/13	11/19	11/28/1954	33
16	10/12/1969	10/26	11/ 1	11/ 5	11/ 8	11/11	11/14	11/18	11/22	11/28	12/12/1954	31

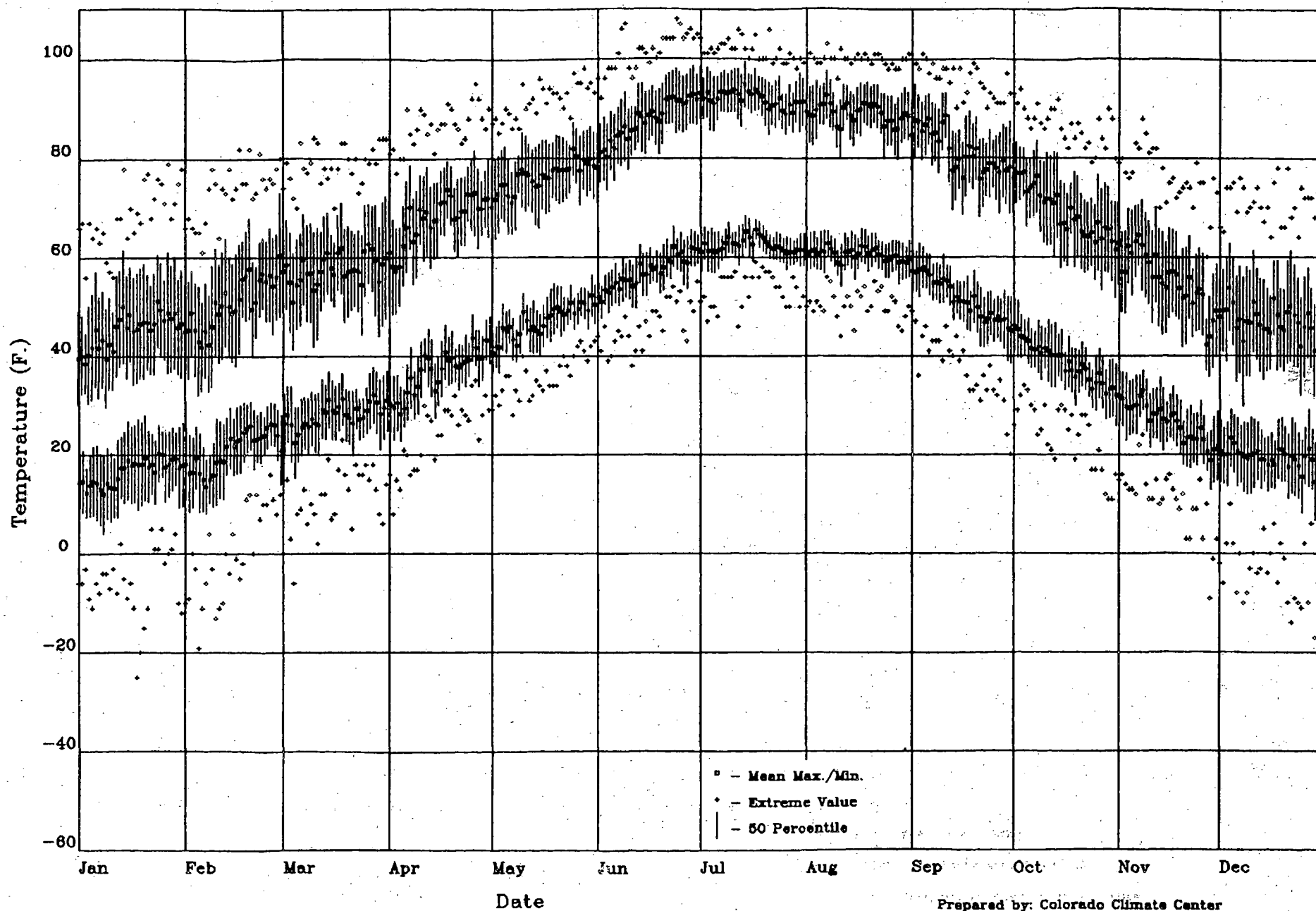
WALSH 1 W

Record: 21 years ending in 1987

Lat 37 23

Long 102 15

Elev 3970



Prepared by: Colorado Climate Center

Latitude: 37 23 Longitude: 102 15 Elevation: 3970 Period of Record: 37 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	45.1	50.4	57.6	67.7	76.2	87.4	91.9	89.1	81.4	69.2	55.5	46.3	68.2
Std. Dev.	6.8	6.2	5.8	5.0	3.9	3.6	2.8	2.7	3.0	4.9	3.7	5.4	
Mean Min.	16.5	21.0	28.1	36.8	47.0	57.0	62.3	60.5	51.7	38.6	26.6	19.2	38.8
Std. Dev.	4.1	3.7	3.3	3.2	2.3	2.1	1.3	2.6	2.0	2.6	3.4	4.0	
Num. Yrs.	19	20	19	18	17	19	19	20	21	19	21	19	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	586	404	257	80	8	0	0	0	6	66	287	530	2224
55	738	539	384	153	26	1	0	0	15	128	417	681	3083
57	799	594	439	190	40	2	0	0	21	162	473	743	3465
60	892	679	526	256	69	5	0	1	35	223	561	835	4083
65	1046	820	678	383	145	19	1	4	76	347	709	990	5218

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	15	78	238	524	693	621	368	101	7	0	2647
57	0	0	8	55	189	465	631	559	314	73	4	0	2300
60	0	0	3	31	126	378	538	467	238	42	2	0	1824
65	0	0	0	8	47	242	384	315	129	10	0	0	1136
70	0	0	0	1	10	127	235	175	52	1	0	0	601

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	39	71	183	391	677	973	1158	1086	804	448	141	44	6014
45	11	26	97	263	524	823	1003	931	655	312	69	15	4730
50	2	7	43	155	375	673	848	776	509	194	27	3	3612
55	0	1	15	78	238	524	693	621	368	101	7	0	2647
60	0	0	3	31	126	378	538	467	238	42	2	0	1824

Corn GDD 59 88 162 276 419 606 737 695 502 309 132 59 4044

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	116/1971	124	131	136	141	145	149	153	158	165	168/1972	16
32	141/1978	144	149	153	157	160	163	167	171	176	182/1980	15
28	155/1984	163	169	174	178	182	185	189	194	200	210/1972	14
24	155/1984	174	183	189	195	200	205	210	217	226	230/1969	14
20	182/1986	192	199	205	209	214	218	222	228	235	238/1969	14
16	216/1977	222	228	232	235	239	242	246	250	256	262/1984	13

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	4/22/1987	4/26	4/30	5/ 3	5/ 5	5/ 7	5/10	5/12	5/15	5/19	5/24/1971	16
32	4/ 8/1985	4/17	4/21	4/24	4/26	4/28	4/30	5/ 3	5/ 6	5/10	5/13/1971	15
28	4/ 1/1972	4/ 4	4/ 8	4/12	4/14	4/17	4/20	4/22	4/26	4/30	5/ 7/1975	14
24	3/29/1969	3/29	4/ 1	4/ 3	4/ 5	4/ 7	4/ 9	4/11	4/14	4/17	4/27/1984	14
20	3/24/1980	3/26	3/29	3/31	4/ 2	4/ 3	4/ 5	4/ 7	4/ 9	4/12	4/14/1983	14
16	3/ 5/1980	3/ 8	3/13	3/17	3/20	3/23	3/25	3/28	4/ 1	4/ 6	4/ 7/1982	13

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/ 3/1974	9/15	9/20	9/23	9/26	9/29	10/ 2	10/ 5	10/ 8	10/13	10/18/1972	16
32	9/21/1978	9/23	9/27	9/30	10/ 3	10/ 5	10/ 8	10/10	10/13	10/17	10/21/1971	15
28	9/29/1984	10/ 3	10/ 7	10/10	10/13	10/16	10/18	10/21	10/24	10/28	10/30/1983	14
24	9/29/1984	10/ 4	10/11	10/16	10/20	10/24	10/28	11/ 1	11/ 6	11/13	11/14/1969	14
20	9/30/1985	10/15	10/21	10/26	10/30	11/ 3	11/ 6	11/10	11/15	11/22	11/23/1970	14
16	10/28/1980	11/ 1	11/ 6	11/10	11/13	11/16	11/19	11/23	11/26	12/ 2	12/11/1970	13

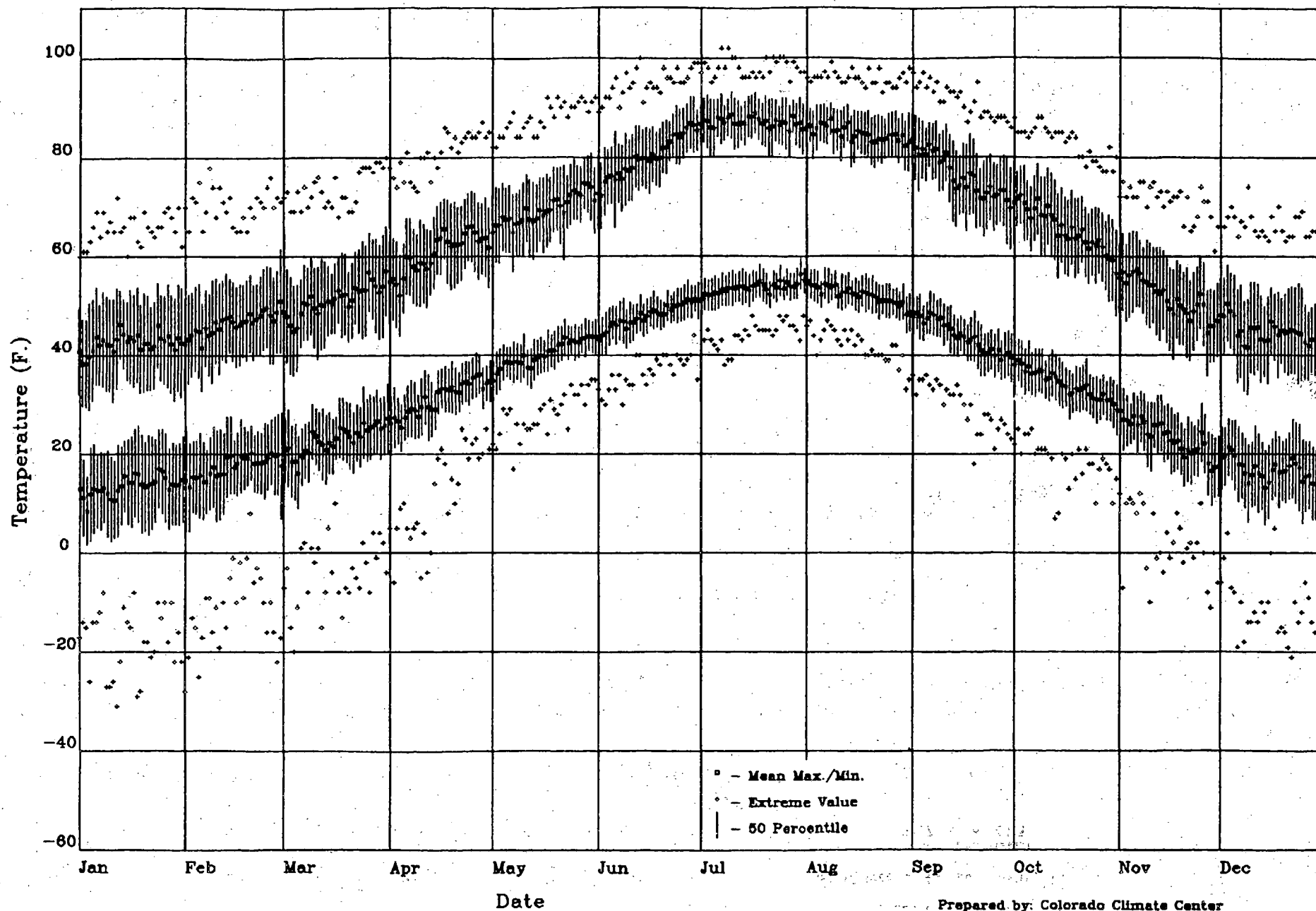
WATERDALE

Record: 40 years ending in 1987

Lat 40 26

Long 105 12

Elev 5230



Latitude: 40 26 Longitude: 105 12 Elevation: 5230

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	42.4	46.3	51.2	60.6	69.4	80.0	86.9	84.8	76.2	65.5	51.7	44.6	63.3
Std. Dev.	5.9	5.4	4.7	4.7	3.9	4.1	2.6	2.5	4.4	5.0	4.9	4.7	
Mean Min.	13.5	17.5	22.9	31.3	40.4	48.0	53.6	52.2	43.9	34.1	23.2	16.6	33.1
Std. Dev.	5.4	4.3	3.4	2.8	1.8	2.2	2.2	2.2	2.5	2.4	2.9	3.7	
Num. Yrs.	39	39	38	39	39	39	39	40	39	39	40	40	

Heating Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	672	506	402	168	35	3	0	0	17	102	377	592	2875
55	826	645	547	280	86	11	0	0	39	190	520	745	3891
57	887	701	607	333	118	18	1	1	55	237	580	807	4344
60	980	786	699	416	179	35	2	3	86	315	670	899	5070
65	1134	927	853	562	310	89	10	19	171	462	819	1054	6410

Cooling Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	2	17	91	289	481	425	197	38	1	0	1542
57	0	0	1	10	60	236	420	364	152	22	1	0	1266
60	0	0	0	4	28	163	328	273	95	9	0	0	900
65	0	0	0	0	5	67	181	135	30	1	0	0	419
70	0	0	0	0	0	16	64	37	5	0	0	0	122

Growing Degree Days													
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	22	33	86	228	472	728	946	889	606	331	85	27	4452
45	6	10	36	126	326	579	791	734	461	205	33	8	3314
50	1	2	12	55	194	431	636	580	323	103	7	1	2345
55	0	0	2	17	91	289	481	425	197	38	1	0	1542
60	0	0	0	4	28	163	328	273	95	9	0	0	900

Corn GDD	33	45	89	181	305	451	587	558	393	251	91	39	3022
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Growing Season													
Probability length will be less than													
Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.	
36	86/1957	91	98	102	106	110	114	118	123	129	139/1972	34	
32	106/1951	115	122	127	132	136	140	145	150	157	171/1987	34	
28	131/1965	139	146	152	156	160	165	169	174	182	198/1974	34	
24	158/1983	165	172	176	180	184	188	192	196	203	210/1979	34	
20	166/1971	181	188	193	198	202	206	210	216	223	247/1965	33	
16	196/1982	201	207	212	216	220	224	228	232	239	262/1981	32	
Probability last spring frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	5/14/1972	5/16	5/21	5/25	5/28	5/31	6/ 3	6/ 7	6/10	6/15	6/30/1979	34	
32	4/21/1987	4/29	5/ 4	5/ 8	5/11	5/14	5/17	5/20	5/23	5/28	6/ 8/1982	34	
28	4/ 4/1977	4/16	4/21	4/24	4/27	4/30	5/ 3	5/ 6	5/ 9	5/14	5/23/1986	34	
24	3/26/1965	4/ 2	4/ 7	4/11	4/14	4/17	4/20	4/23	4/26	5/ 1	5/17/1955	34	
20	3/26/1965	3/29	4/ 2	4/ 5	4/ 7	4/10	4/12	4/15	4/18	4/22	5/ 7/1978	33	
16	3/ 9/1981	3/19	3/23	3/27	3/30	4/ 1	4/ 4	4/ 7	4/10	4/15	4/21/1982	32	
Probability first autumn frost will be before													
Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs	
36	8/30/1956	9/ 5	9/10	9/13	9/16	9/19	9/21	9/24	9/27	10/ 2	10/10/1980	34	
32	9/ 2/1952	9/13	9/18	9/21	9/24	9/27	9/30	10/ 2	10/ 6	10/11	10/20/1972	34	
28	9/17/1965	9/22	9/27	10/ 1	10/ 4	10/ 8	10/11	10/14	10/18	10/23	10/31/1974	34	
24	9/19/1971	10/ 2	10/ 7	10/11	10/15	10/18	10/21	10/24	10/28	11/ 3	11/ 7/1960	34	
20	9/19/1971	10/11	10/17	10/22	10/25	10/29	11/ 1	11/ 5	11/ 9	11/15	11/28/1965	33	
16	10/13/1969	10/24	10/29	11/ 2	11/ 4	11/ 7	11/10	11/13	11/16	11/21	11/28/1965	32	

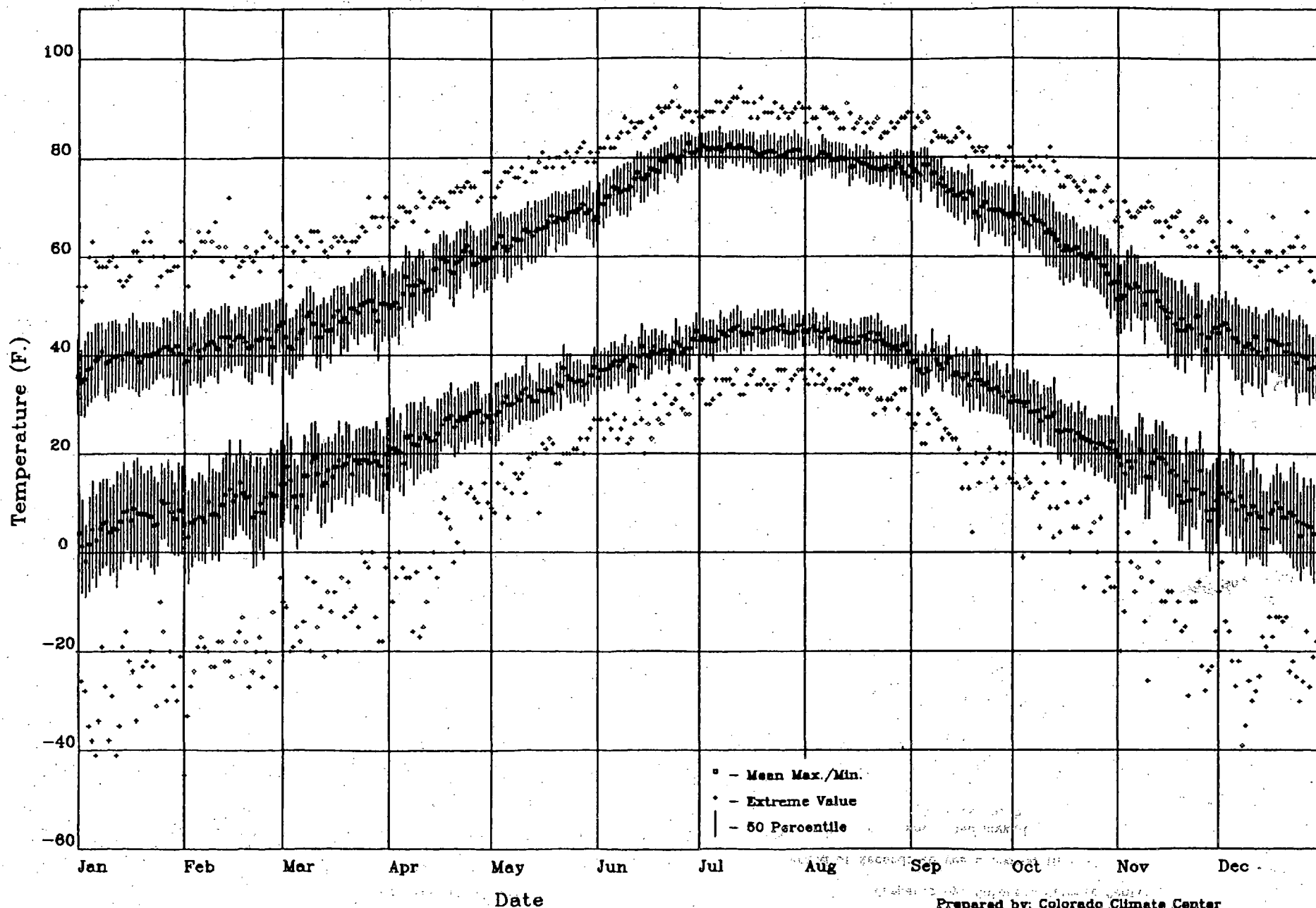
WESTCLIFFE

Record: 40 years ending in 1987

Lat 38 8

Long 105 29

Elev 7860



Prepared by: Colorado Climate Center

Latitude: 38 8 Longitude: 105 29 Elevation: 7860

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	39.4	42.5	47.0	56.3	65.8	76.5	81.5	78.8	72.6	62.7	49.1	41.4	59.5
Std. Dev.	4.3	4.5	4.1	3.8	3.2	3.1	1.9	2.0	3.1	4.5	5.2	4.6	
Mean Min.	6.1	9.5	16.6	24.7	32.6	39.8	44.7	43.3	35.9	25.5	15.3	7.9	25.2
Std. Dev.	5.4	5.3	3.8	3.4	1.9	2.1	2.4	2.4	2.8	3.3	4.8	5.1	
Num. Yrs.	38	38	39	39	39	39	37	38	37	40	38	38	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	817	661	541	278	84	5	0	0	22	193	513	755	3868
55	968	799	691	414	181	26	0	2	65	323	658	905	5034
57	1028	855	752	472	232	44	2	6	96	380	716	966	5547
60	1119	938	842	558	315	85	8	24	157	468	803	1056	6374
65	1270	1077	993	703	462	197	69	113	286	617	948	1206	7941

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	1	16	124	245	184	52	4	0	0	628
57	0	0	0	0	8	84	188	131	28	2	0	0	440
60	0	0	0	0	2	38	106	62	8	0	0	0	217
65	0	0	0	0	0	6	20	7	1	0	0	0	34
70	0	0	0	0	0	1	1	0	0	0	0	0	2

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	2	6	21	107	290	531	686	615	398	170	25	5	2857
45	0	1	4	40	163	387	539	471	266	75	5	1	1953
50	0	0	1	10	67	247	392	327	145	23	1	0	1212
55	0	0	0	1	16	124	245	184	52	4	0	0	628
60	0	0	0	0	2	38	106	62	8	0	0	0	217

Corn GDD 8 16 39 117 237 384 465 419 310 199 57 16 2267

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1960	7	16	22	28	33	38	43	49	58	64/1967	15
32	36/1987	46	55	62	68	73	78	84	91	100	92/1983	9
28	77/1985	83	89	93	97	100	104	107	112	118	121/1960	8
24	104/1971	109	115	120	124	128	131	135	140	146	144/1987	6
20	117/1971	117	126	133	139	145	150	156	163	173	176/1987	6
16	145/1984	146	154	160	164	169	173	178	183	191	188/1987	5

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	6/12/1967	6/20	6/25	6/28	7/ 1	7/ 4	7/ 7	7/10	7/13	7/18	7/19/1960	15
32	6/10/1984	6/ 5	6/10	6/13	6/16	6/19	6/22	6/25	6/28	7/ 3	7/14/1987	9
28	5/25/1971	5/21	5/27	5/31	6/ 3	6/ 6	6/10	6/13	6/17	6/22	6/28/1985	8
24	5/ 8/1987	5/ 8	5/11	5/14	5/16	5/18	5/20	5/22	5/24	5/27	5/26/1960	6
20	4/14/1987	4/22	4/29	5/ 3	5/ 7	5/11	5/15	5/19	5/24	5/30	5/24/1971	6
16	4/14/1987	4/10	4/15	4/19	4/22	4/25	4/28	5/ 1	5/ 4	5/ 9	5/ 8/1984	5

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/19/1960	7/19	7/25	7/29	8/ 2	8/ 6	8/ 9	8/13	8/17	8/23	9/ 6/1983	15
32	8/13/1985	8/16	8/21	8/25	8/28	8/31	9/ 3	9/ 6	9/10	9/15	9/15/1983	9
28	9/ 5/1971	9/ 5	9/ 8	9/11	9/13	9/15	9/17	9/19	9/21	9/24	9/25/1984	8
24	9/ 5/1971	9/11	9/15	9/18	9/20	9/22	9/25	9/27	9/30	10/ 4	9/30/1986	6
20	9/18/1971	9/17	9/23	9/27	9/30	10/ 3	10/ 6	10/ 9	10/13	10/19	10/20/1960	6
16	9/21/1983	9/21	9/27	10/ 2	10/ 7	10/10	10/14	10/18	10/23	10/30	10/30/1960	5

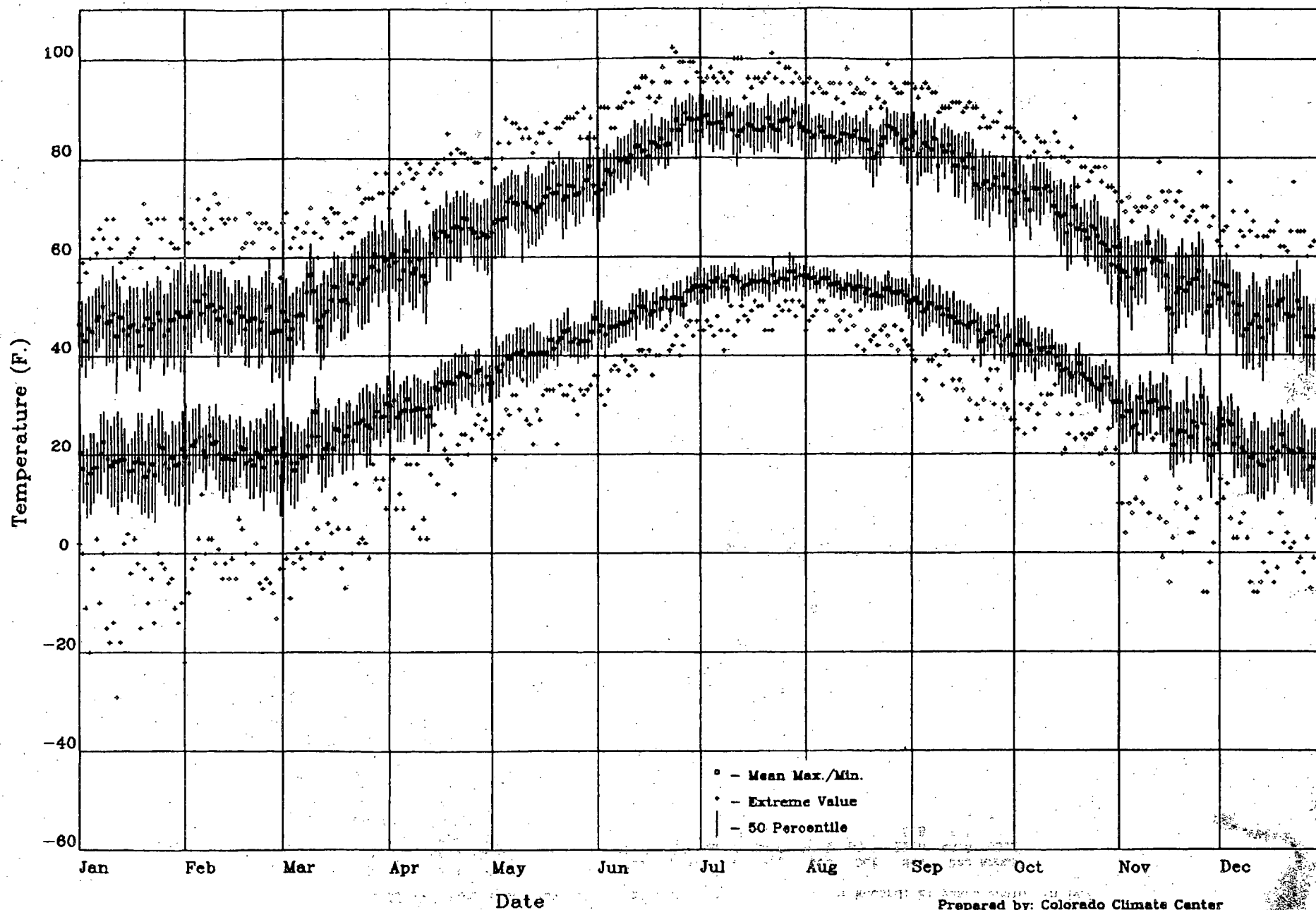
WETMORE 2 S

Record: 19 years ending in 1968

Lat 38 13

Long 105 6

Elev 6580



Prepared by: Colorado Climate Center

Latitude: 38 13 Longitude: 105 6 Elevation: 6580 Period of Record: 21 years ending in 1968

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	46.4	48.3	52.3	62.2	71.4	81.7	86.7	84.0	78.4	68.3	55.0	48.0	65.2
Std. Dev.	3.9	5.2	4.7	4.0	3.3	3.4	2.8	3.0	3.6	3.2	4.8	3.3	
Mean Min.	18.4	20.3	23.6	32.5	41.3	49.1	55.1	53.7	46.7	37.5	26.6	20.6	35.4
Std. Dev.	4.4	5.2	3.9	2.0	1.9	2.1	1.5	1.3	2.5	2.3	4.2	3.3	
Num. Yrs.	19	19	19	19	17	18	18	19	18	16	18	19	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	539	439	376	142	30	2	0	0	7	58	278	482	2353
55	692	578	522	245	74	5	0	1	19	125	415	635	3312
57	754	635	583	295	100	9	0	1	29	163	474	697	3740
60	846	719	676	377	151	20	1	3	52	230	563	789	4427
65	1001	860	830	523	269	64	7	15	117	365	712	944	5708

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	1	22	124	323	498	433	254	67	1	1	1725
57	0	0	0	12	88	267	436	372	204	44	0	1	1425
60	0	0	0	3	47	189	344	282	136	20	0	0	1021
65	0	0	0	0	10	83	196	140	52	2	0	0	483
70	0	0	0	0	1	23	74	39	13	0	0	0	150

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	35	48	95	258	518	765	962	892	686	407	130	44	4839
45	9	16	38	148	370	617	808	739	537	270	55	11	3616
50	1	3	10	69	235	469	653	586	392	153	13	2	2585
55	0	1	1	22	124	323	498	433	254	67	1	1	1725
60	0	0	0	3	47	189	344	282	136	20	0	0	1021

Corn GDD 41 50 93 196 337 477 603 562 438 283 113 50 3242

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	97/1957	105	111	116	121	125	128	133	138	144	156/1963	14
32	112/1961	126	132	137	141	145	149	153	157	164	164/1963	12
28	142/1965	147	154	158	162	166	170	174	179	185	192/1963	11
24	155/1966	158	168	175	181	187	193	199	207	217	240/1965	10
20	178/1966	186	196	203	209	214	220	226	233	242	245/1965	10
16	195/1966	202	211	218	224	230	235	241	248	257	269/1963	10

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	5/ 4/1958	5/11	5/16	5/19	5/22	5/25	5/28	5/31	6/ 3	6/ 8	6/17/1957	14
32	4/28/1955	5/ 2	5/ 6	5/ 9	5/12	5/15	5/17	5/20	5/23	5/27	6/ 3/1954	12
28	4/23/1963	4/22	4/26	4/29	5/ 1	5/ 3	5/ 5	5/ 7	5/10	5/14	5/15/1967	11
24	3/27/1965	4/ 4	4/10	4/15	4/19	4/23	4/26	4/30	5/ 5	5/11	5/13/1953	10
20	3/17/1963	3/21	3/27	3/31	4/ 4	4/ 7	4/10	4/14	4/18	4/24	4/24/1967	10
16	3/ 8/1967	3/12	3/19	3/23	3/27	3/31	4/ 4	4/ 8	4/12	4/19	4/20/1966	10

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	9/ 3/1961	9/10	9/15	9/20	9/23	9/27	9/30	10/ 4	10/ 8	10/14	10/25/1963	14
32	9/ 3/1961	9/16	9/23	9/28	10/ 2	10/ 6	10/10	10/15	10/20	10/27	10/31/1963	12
28	9/17/1965	9/30	10/ 5	10/10	10/13	10/16	10/19	10/23	10/27	11/ 1	11/ 1/1963	11
24	10/15/1966	10/14	10/18	10/21	10/24	10/27	10/30	11/ 1	11/ 5	11/ 9	11/22/1965	10
20	10/15/1966	10/22	10/28	11/ 1	11/ 4	11/ 7	11/11	11/14	11/18	11/24	11/27/1965	10
16	11/ 1/1966	10/31	11/ 5	11/ 9	11/13	11/16	11/19	11/22	11/26	12/ 1	12/ 8/1963	10

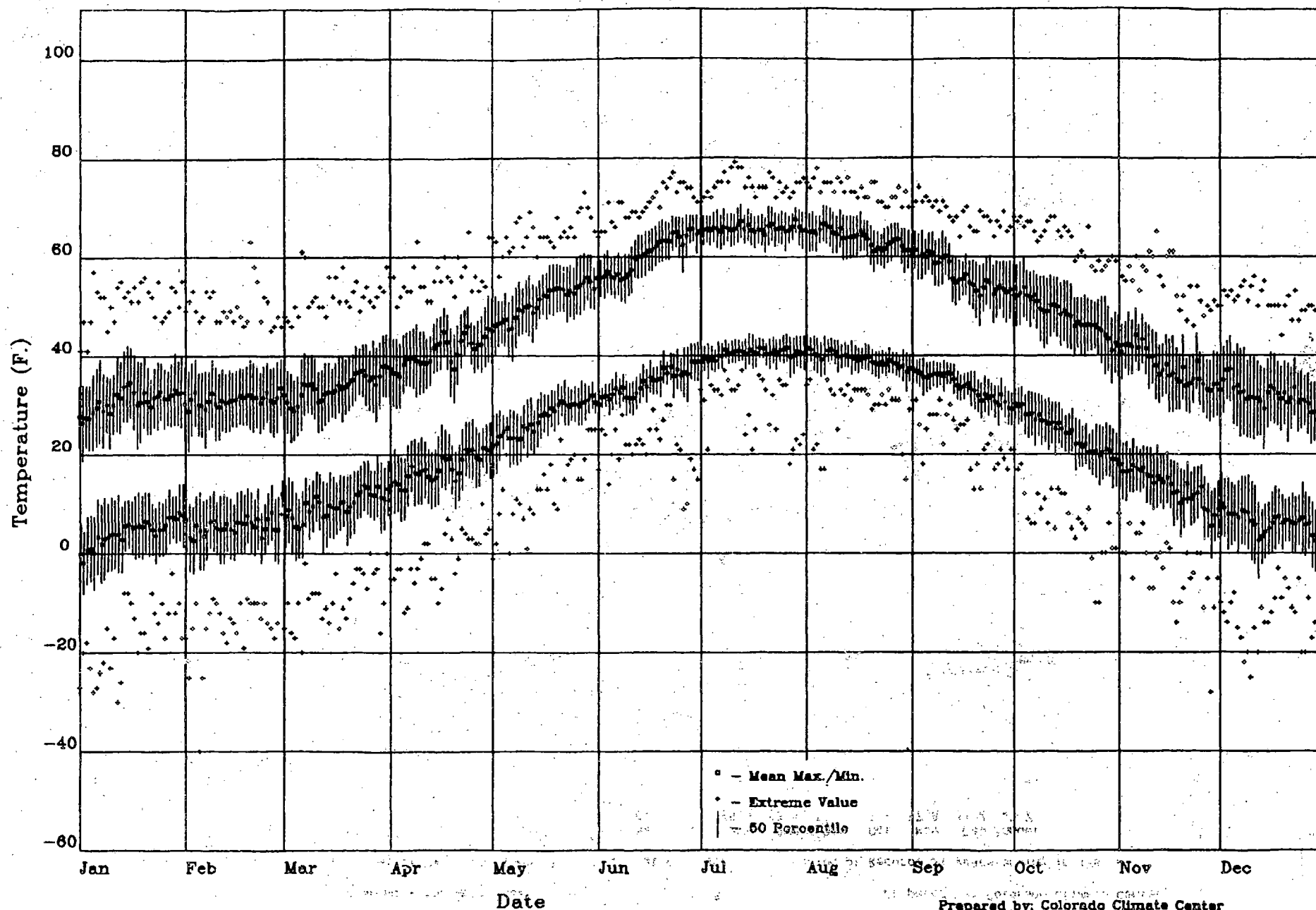
WOLF CREEK PASS 1 E

Record: 30 years ending in 1987

Lat 37 29

Long 106 47

Elev 10640



Latitude: 37 29 Longitude: 106 47 Elevation: 10640

Period of Records: 31 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	30.7	30.9	33.6	40.6	50.8	60.4	65.5	63.5	56.0	47.8	37.8	31.2	45.7
Std. Dev.	3.9	4.1	4.6	3.9	3.5	2.8	2.2	3.3	3.4	4.8	3.1	4.2	
Mean Min.	4.2	5.6	9.8	17.4	27.4	34.6	40.7	39.1	33.7	24.4	13.5	6.0	21.4
Std. Dev.	3.6	3.3	3.9	3.4	2.6	2.4	1.9	2.5	2.1	3.8	3.9	4.1	
Num. Yrs.	26	28	27	27	24	26	25	27	26	27	26	24	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	1001	891	863	621	328	104	8	28	161	423	719	965	6111
55	1156	1032	1017	771	479	222	71	115	299	577	868	1120	7727
57	1218	1088	1078	830	540	279	120	169	358	639	928	1182	8430
60	1311	1173	1170	920	632	368	206	258	448	732	1018	1275	9512
65	1466	1314	1324	1069	785	518	360	410	598	887	1167	1430	11330

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	0	4	20	11	1	0	0	0	35
57	0	0	0	0	0	1	7	3	0	0	0	0	11
60	0	0	0	0	0	0	1	0	0	0	0	0	1
65	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	0	5	76	239	414	354	173	41	2	0	1304
45	0	0	0	0	18	117	259	205	65	6	0	0	671
50	0	0	0	0	2	35	112	76	13	0	0	0	239
55	0	0	0	0	0	4	20	11	1	0	0	0	35
60	0	0	0	0	0	0	1	0	0	0	0	0	1

Corn GDD 1 0 2 6 58 159 241 207 106 40 5 1 827

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	0/1972	3	13	20	26	32	37	43	51	60	70/1984	25
32	37/1972	42	52	59	65	71	76	83	90	100	109/1963	24
28	57/1972	72	81	87	92	97	102	107	113	122	149/1966	23
24	90/1974	97	107	114	119	125	131	136	143	153	160/1964	23
20	105/1976	116	126	133	139	144	150	156	163	172	185/1963	23
16	123/1971	135	144	151	156	162	167	173	179	189	201/1987	22

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	6/18/1964	6/24	6/28	7/ 1	7/ 3	7/ 5	7/ 8	7/10	7/13	7/16	7/19/1972	25
32	5/31/1958	6/ 5	6/10	6/13	6/16	6/19	6/21	6/24	6/28	7/ 2	7/15/1962	24
28	5/18/1958	5/28	6/ 2	6/ 5	6/ 8	6/11	6/13	6/16	6/20	6/24	7/ 3/1974	23
24	5/12/1964	5/11	5/18	5/23	5/27	5/31	6/ 4	6/ 8	6/13	6/19	7/ 3/1974	23
20	4/22/1987	4/30	5/ 6	5/11	5/15	5/19	5/22	5/26	5/31	6/ 7	6/15/1976	23
16	4/20/1987	4/24	4/29	5/ 3	5/ 6	5/ 9	5/13	5/16	5/20	5/25	6/ 4/1967	22

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	7/19/1972	7/15	7/23	7/28	8/ 2	8/ 6	8/10	8/15	8/20	8/28	9/ 6/1983	25
32	7/22/1961	8/ 5	8/13	8/19	8/24	8/29	9/ 2	9/ 7	9/13	9/21	10/ 7/1963	24
28	7/27/1972	8/27	9/ 3	9/ 7	9/12	9/16	9/20	9/24	9/29	10/ 6	10/15/1966	23
24	9/ 4/1961	9/15	9/21	9/25	9/29	10/ 3	10/ 7	10/10	10/15	10/21	10/31/1963	23
20	9/ 4/1961	9/21	9/27	10/ 2	10/ 6	10/10	10/14	10/18	10/23	10/29	11/ 6/1962	23
16	9/19/1971	9/29	10/ 6	10/10	10/14	10/18	10/22	10/26	10/30	11/ 6	11/11/1962	22

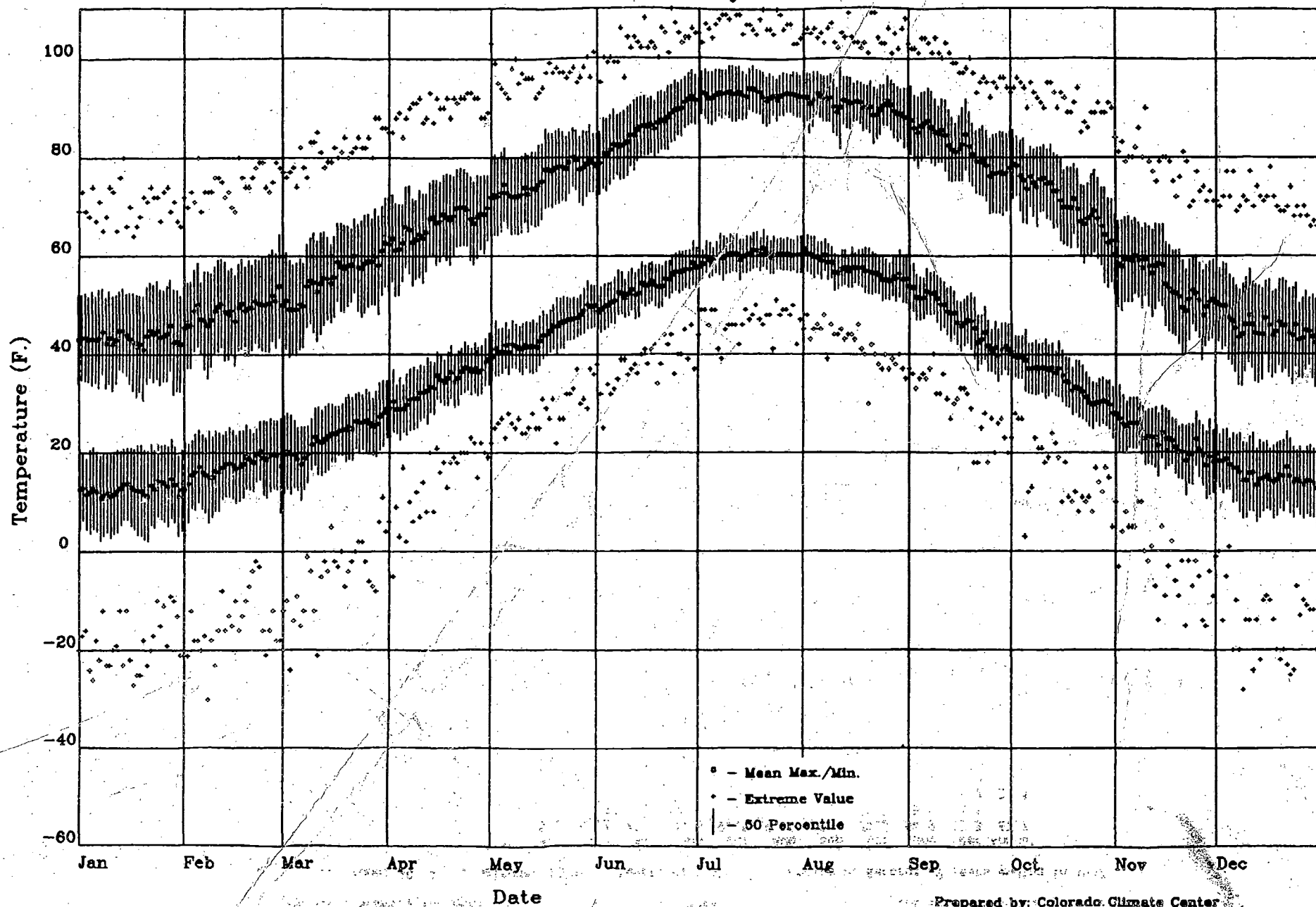
WRAY

Record: 88 years ending in 1987

Lat 40 4

Long 102 14

Elev 3580



Temperature Summary for WRAY

59243

Prepared by: Colorado Climate Center

Latitude: 40 4 Longitude: 102 14 Elevation: 3560

Period of Record: 69 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	43.3	48.9	55.6	66.2	75.6	85.6	92.5	90.6	82.2	71.3	54.9	45.3	67.7
Std. Dev.	7.0	6.8	5.9	5.0	4.3	4.3	3.3	3.1	4.5	5.2	5.0	6.1	
Mean Min.	12.4	17.3	23.6	33.8	44.1	53.8	60.0	57.3	47.0	34.8	22.4	15.2	35.1
Std. Dev.	6.0	5.0	3.8	3.0	2.9	2.6	2.3	3.1	3.1	3.5	3.6	4.2	
Num. Yrs.	63	62	63	64	62	65	62	60	60	62	61	59	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	675	469	335	107	15	0	0	0	7	65	338	599	2612
55	828	607	472	192	45	3	0	0	20	131	478	752	3528
57	890	662	531	235	64	5	0	1	29	168	537	814	3934
60	982	746	621	307	101	11	0	1	48	233	625	906	4583
65	1136	886	773	443	193	35	2	6	102	366	773	1060	5775

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	6	49	203	448	658	591	314	77	1	0	2348
57	0	0	4	33	160	390	597	530	263	52	0	0	2029
60	0	0	1	16	104	307	505	438	193	26	0	0	1592
65	0	0	0	3	42	183	353	289	98	5	0	0	974
70	0	0	0	0	12	87	207	154	36	0	0	0	497

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	17	43	127	325	622	891	1119	1052	743	416	92	24	5472
45	4	13	60	207	471	743	965	899	596	281	35	6	4279
50	0	3	22	113	328	594	812	745	451	164	10	1	3242
55	0	0	6	49	203	448	658	591	314	77	1	0	2348
60	0	0	1	16	104	307	505	438	193	26	0	0	1592

Corn GDD 40 69 138 252 399 549 694 652 477 328 122 49 3770

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	77/1950	106	112	117	121	124	128	132	136	143	144/1958	47
32	85/1950	119	126	132	136	140	144	149	154	161	168/1942	43
28	133/1930	144	150	155	160	164	167	172	177	184	198/1972	42
24	147/1931	164	171	177	181	185	189	194	199	206	219/1946	40
20	159/1934	183	191	196	201	206	211	215	221	229	247/1946	39
16	189/1939	200	208	214	219	223	228	233	238	246	253/1979	38

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	4/30/1958	5/ 3	5/ 8	5/12	5/15	5/18	5/21	5/24	5/28	6/ 2	6/24/1940	47
32	4/11/1942	4/23	4/28	5/ 2	5/ 5	5/ 8	5/12	5/15	5/19	5/24	6/ 5/1937	43
28	4/ 9/1971	4/12	4/17	4/20	4/24	4/26	4/29	5/ 2	5/ 6	5/11	5/22/1931	42
24	3/27/1946	4/ 1	4/ 7	4/10	4/14	4/17	4/20	4/23	4/27	5/ 3	5/20/1931	40
20	3/ 8/1946	3/24	3/29	4/ 1	4/ 4	4/ 7	4/ 9	4/12	4/16	4/21	4/27/1939	39
16	3/ 8/1946	3/15	3/20	3/24	3/27	3/30	4/ 2	4/ 5	4/ 9	4/14	4/27/1939	38

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	8/20/1950	9/ 8	9/12	9/15	9/17	9/19	9/22	9/24	9/27	10/ 1	10/ 7/1940	47
32	8/20/1950	9/11	9/16	9/20	9/23	9/26	9/29	10/ 2	10/ 5	10/10	10/18/1972	43
28	9/13/1949	9/23	9/28	10/ 1	10/ 4	10/ 7	10/10	10/13	10/16	10/21	10/29/1940	42
24	9/26/1934	10/ 5	10/10	10/13	10/16	10/19	10/22	10/25	10/28	11/ 2	11/ 4/1965	40
20	9/26/1934	10/12	10/18	10/23	10/26	10/30	11/ 2	11/ 6	11/10	11/16	11/27/1965	39
16	10/ 5/1942	10/24	10/29	11/ 2	11/ 5	11/ 8	11/11	11/15	11/18	11/24	11/30/1965	38

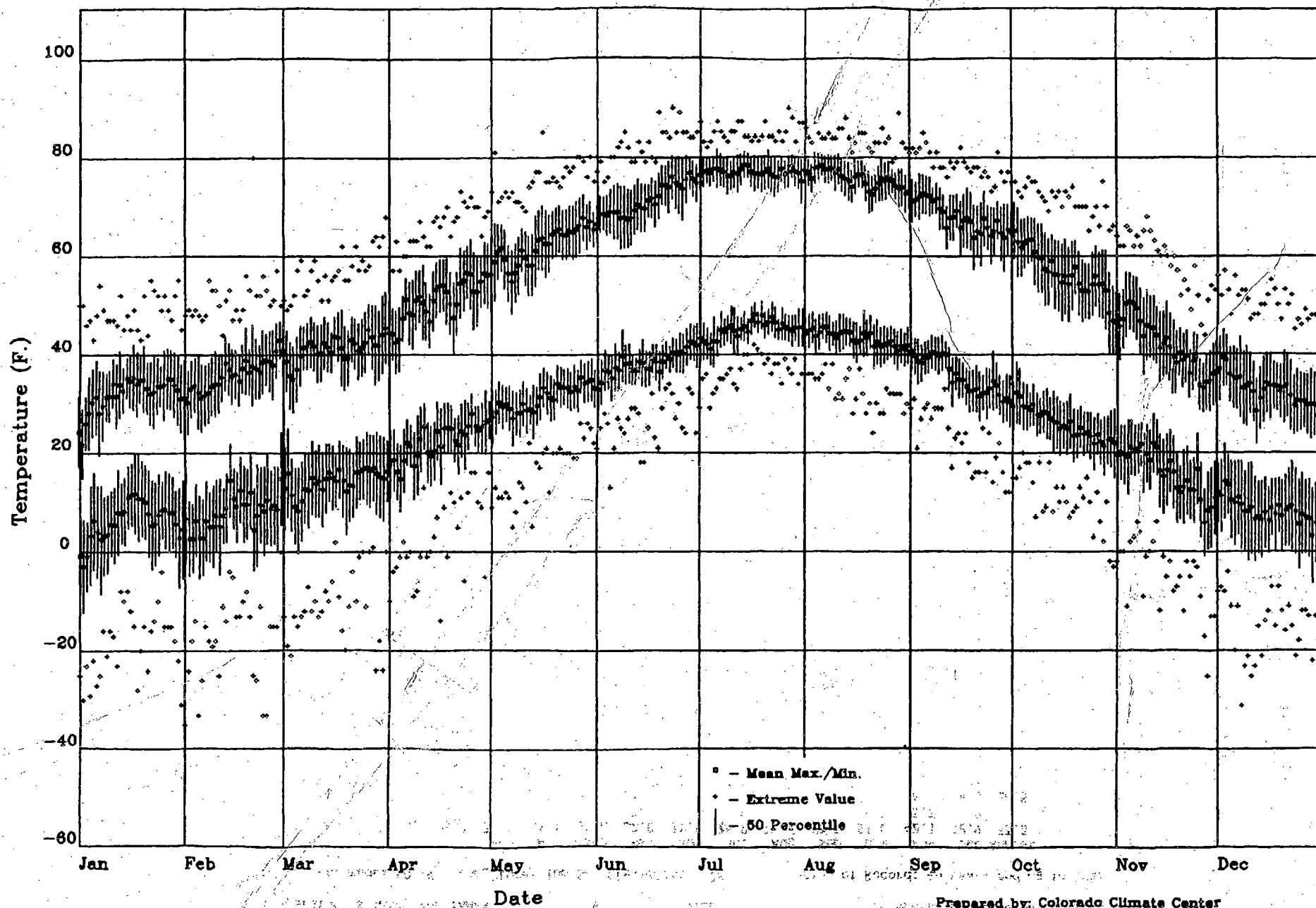
YAMPA

Record: 24 years ending in 1987

Lat 40 9

Long 106 54

Elev 7890



Prepared by: Colorado Climate Center

Latitude: 40 9 Longitude: 106 54 Elevation: 7890

Period of Record: 40 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	32.0	35.7	41.1	50.8	62.0	71.3	76.9	75.7	67.9	57.0	42.1	32.9	53.8
Std. Dev.	3.8	3.0	3.8	4.4	3.0	3.1	1.9	2.1	3.0	4.5	3.7	4.0	
Mean Min.	6.3	8.0	14.1	22.2	31.1	38.3	45.0	43.3	35.4	26.2	16.1	8.3	24.5
Std. Dev.	4.3	4.2	4.6	3.6	2.3	1.5	1.6	2.4	2.2	2.3	4.0	4.6	
Num. Yrs.	22	22	23	22	22	20	21	21	22	23	23	23	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	950	779	668	400	139	22	0	2	52	265	617	900	4793
55	1105	918	819	548	259	70	2	11	123	410	766	1055	6085
57	1167	974	880	607	317	102	7	20	166	471	825	1117	6653
60	1260	1058	970	697	407	166	26	52	245	563	915	1210	7568
65	1415	1197	1122	847	560	300	125	167	391	718	1064	1365	9271

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	0	7	71	194	157	29	2	0	0	459
57	0	0	0	0	2	43	137	104	12	1	0	0	300
60	0	0	0	0	0	17	63	43	3	0	0	0	125
65	0	0	0	0	0	1	8	3	0	0	0	0	12
70	0	0	0	0	0	0	1	0	0	0	0	0	1

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	0	0	7	55	232	452	655	611	358	131	15	1	2516
45	0	0	1	16	118	307	501	456	223	50	2	0	1673
50	0	0	0	3	40	173	346	303	107	11	0	0	983
55	0	0	0	0	7	71	194	157	29	2	0	0	459
60	0	0	0	0	0	17	63	43	3	0	0	0	125

Corn GDD 1 1 10 68 193 321 421 400 267 137 22 1 1842

Growing Season

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	15/1978	25	31	36	40	44	48	52	56	63	71/1984	22
32	37/1974	46	54	61	66	71	76	81	87	96	107/1987	22
28	55/1968	74	81	87	91	96	100	105	110	117	115/1982	21
24	78/1985	93	102	108	113	117	122	127	133	141	158/1987	19
20	115/1976	120	127	132	136	141	145	149	154	161	181/1987	18
16	125/1983	134	145	153	160	167	173	180	188	199	222/1965	17

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	6/21/1973	6/21	6/25	6/27	6/29	6/30	7/ 2	7/ 4	7/ 6	7/ 9	7/12/1974	22
32	5/27/1977	6/ 7	6/12	6/16	6/19	6/22	6/25	6/28	7/ 2	7/ 7	7/ 5/1978	22
28	5/27/1977	5/27	6/ 1	6/ 4	6/ 7	6/ 9	6/12	6/15	6/18	6/23	6/30/1968	21
24	4/23/1987	5/ 7	5/15	5/20	5/25	5/30	6/ 3	6/ 8	6/14	6/21	6/30/1968	19
20	4/22/1977	4/26	5/ 3	5/ 8	5/12	5/16	5/20	5/24	5/30	6/ 6	6/15/1981	18
16	4/ 3/1977	4/10	4/16	4/21	4/25	4/28	5/ 2	5/ 6	5/10	5/17	6/ 5/1982	17

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	7/22/1978	7/25	8/ 1	8/ 5	8/ 9	8/13	8/17	8/21	8/26	9/ 1	9/ 8/1970	22
32	8/10/1974	8/16	8/21	8/25	8/29	9/ 1	9/ 4	9/ 8	9/12	9/17	9/20/1983	22
28	8/15/1978	8/27	9/ 2	9/ 6	9/10	9/13	9/17	9/20	9/25	10/ 1	10/ 2/1982	21
24	9/13/1967	9/13	9/16	9/19	9/22	9/24	9/26	9/29	10/ 2	10/ 5	10/19/1981	19
20	9/18/1971	9/19	9/24	9/28	10/ 1	10/ 4	10/ 7	10/10	10/13	10/18	10/23/1972	18
16	9/19/1971	9/19	9/27	10/ 2	10/ 7	10/12	10/16	10/21	10/27	11/ 4	11/22/1965	17

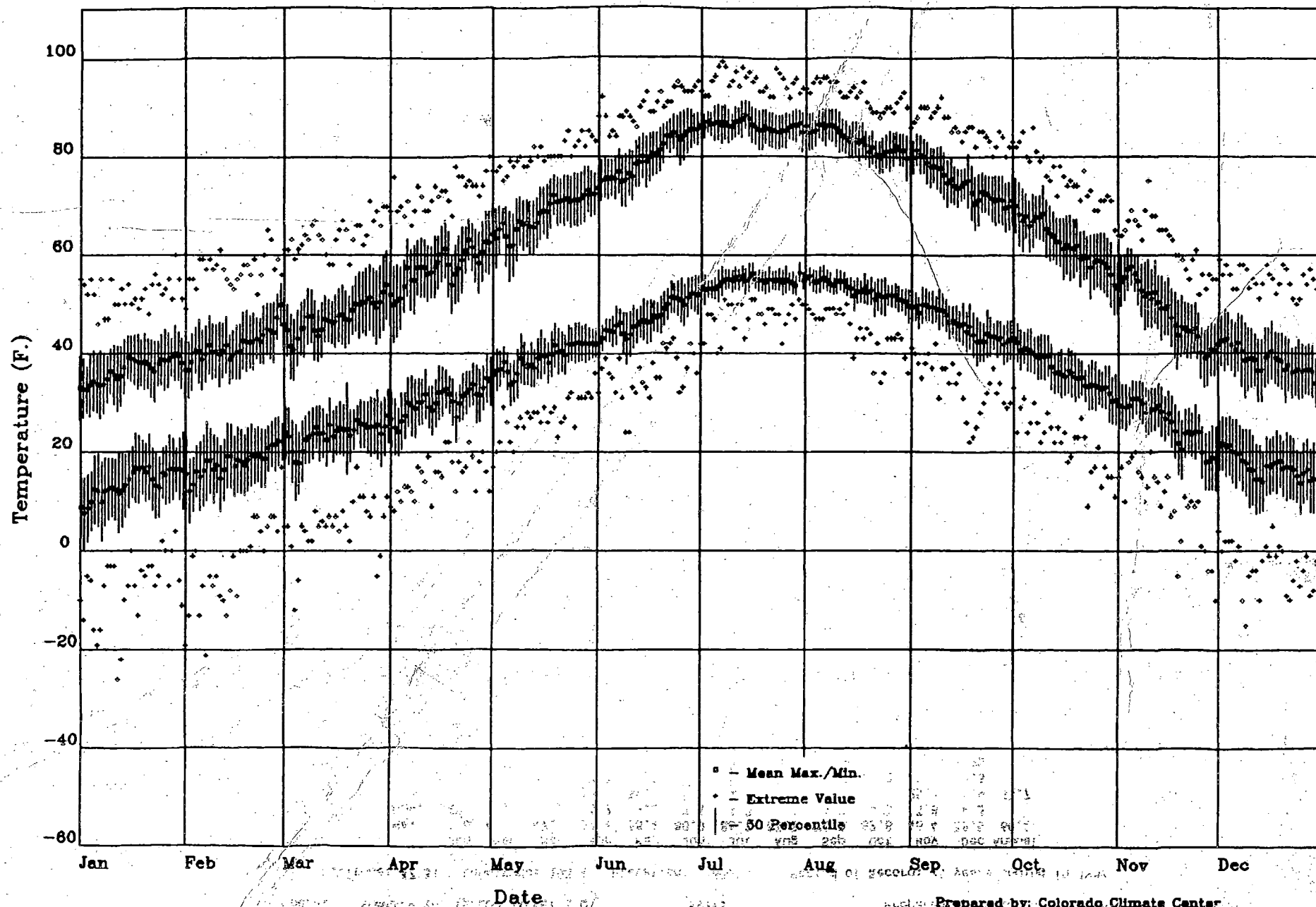
YELLOW JACKET 2 W

Record: 28 years ending in 1987

Lat 37 31

Long 108 45

Elev 6860



Latitude: 37 31 Longitude: 108 45 Elevation: 6860

Period of Record: 26 years ending in 1987

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	36.6	41.3	47.3	57.2	68.4	80.0	86.1	83.3	74.8	62.8	48.4	38.5	60.4
Std. Dev.	4.0	4.0	4.4	4.2	3.3	3.4	1.9	2.5	3.2	4.3	3.8	4.3	
Mean Min.	13.7	17.9	23.7	30.2	39.2	47.5	54.6	52.9	46.0	36.4	25.7	16.9	33.7
Std. Dev.	4.4	4.0	3.8	3.3	2.0	2.4	1.4	1.8	2.6	3.2	2.9	4.3	
Num. Yrs.	25	24	25	25	25	25	26	26	26	26	26	25	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	755	565	441	204	41	1	0	0	5	91	381	681	3165
55	908	705	593	330	98	8	0	0	21	183	528	835	4209
57	970	761	654	386	132	15	0	1	32	230	587	897	4666
60	1062	845	747	473	198	33	0	2	61	311	677	990	5399
65	1215	985	901	621	338	90	3	16	149	458	826	1144	6746

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	0	0	5	69	274	476	411	187	29	0	0	1451
57	0	0	0	2	42	222	415	350	140	16	0	0	1186
60	0	0	0	0	15	152	323	260	80	5	0	0	835
65	0	0	0	0	1	61	173	120	21	1	0	0	377
70	0	0	0	0	0	13	50	27	2	0	0	0	93

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	1	7	47	169	438	709	932	871	609	316	62	5	4167
45	0	1	14	80	294	562	780	718	463	189	19	0	3118
50	0	0	2	26	167	415	628	564	320	89	2	0	2213
55	0	0	0	5	69	274	476	411	187	29	0	0	1451
60	0	0	0	0	15	152	323	260	80	5	0	0	835

Corn GDD 2 9 40 129 287 453 593 550 377 204 48 5 2698

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	78/1985	85	93	99	104	108	113	118	124	132	140/1977	16
32	111/1971	113	120	125	130	134	138	142	147	154	159/1976	16
28	123/1971	131	142	149	156	162	168	174	182	193	208/1987	16
24	144/1971	158	167	173	179	184	189	195	202	211	221/1985	14
20	181/1967	187	194	200	205	209	214	219	224	232	246/1978	14
16	187/1967	202	211	218	223	229	234	240	246	255	264/1984	14

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	5/17/1978	5/21	5/26	5/30	6/ 2	6/ 5	6/ 8	6/11	6/15	6/20	6/26/1985	16
32	5/ 1/1976	5/ 9	5/15	5/18	5/22	5/25	5/28	5/31	6/ 4	6/ 9	6/16/1973	16
28	4/21/1977	4/24	4/28	5/ 2	5/ 4	5/ 7	5/10	5/13	5/16	5/21	5/25/1980	16
24	3/31/1985	4/10	4/15	4/19	4/22	4/25	4/28	5/ 1	5/ 4	5/ 9	5/20/1974	14
20	3/16/1978	3/26	4/ 1	4/ 5	4/ 9	4/13	4/16	4/20	4/24	4/30	5/ 2/1967	14
16	3/ 7/1984	3/14	3/21	3/25	3/29	4/ 2	4/ 6	4/10	4/14	4/21	4/30/1967	14

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs.
36	8/31/1984	9/ 6	9/11	9/15	9/18	9/21	9/24	9/28	10/ 1	10/ 7	10/15/1980	16
32	9/18/1971	9/21	9/26	9/30	10/ 2	10/ 5	10/ 8	10/11	10/14	10/19	10/27/1983	16
28	9/18/1971	9/24	10/ 2	10/ 7	10/12	10/16	10/20	10/25	10/30	11/ 7	11/15/1987	16
24	9/18/1971	10/ 6	10/12	10/18	10/22	10/26	10/30	11/ 3	11/ 8	11/15	11/15/1987	14
20	10/24/1980	10/26	10/30	11/ 3	11/ 5	11/ 8	11/11	11/13	11/17	11/21	11/29/1974	14
16	11/ 1/1972	11/ 4	11/ 8	11/11	11/14	11/17	11/19	11/22	11/25	11/29	12/ 3/1978	14

20332

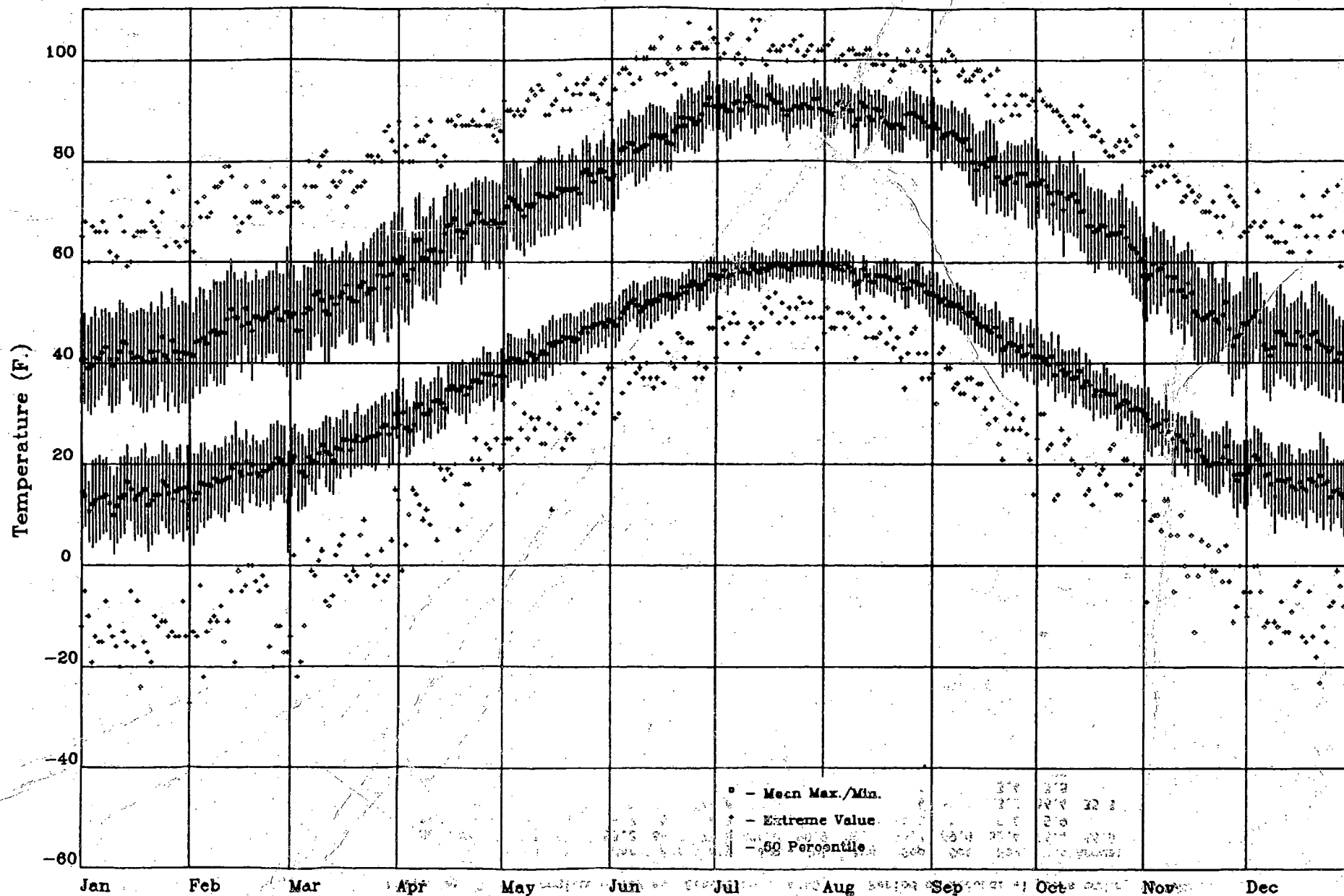
YUMA

Record: 38 years ending in 1987

Lat 40 8

Long 102 44

Elev 4140



• - Mean Max./Min.
 • - Extreme Value
 - - 50 Percentile

Jan	27	27	27
Feb	27	27	27
Mar	27	27	27
Apr	27	27	27
May	27	27	27
Jun	27	27	27
Jul	27	27	27
Aug	27	27	27
Sep	27	27	27
Oct	27	27	27
Nov	27	27	27
Dec	27	27	27

Date

Prepared by

Latitude: 40 81 Longitude: 102 44 Elevation: 4140 Period of Record: 41 years ending 10/1987

Dec

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max.	41.7	47.3	53.2	64.7	73.8	84.8	90.9	89.0	80.7	69.0	52.4	44.4	66.0
Std. Dev.	6.0	6.0	5.7	5.1	4.2	4.3	2.8	2.5	4.0	5.2	5.4	5.9	
Mean Min.	13.7	17.7	23.5	33.3	43.8	53.0	58.9	57.0	47.4	35.7	23.3	16.4	35.3
Std. Dev.	5.5	4.6	3.8	3.1	3.0	2.6	2.0	2.3	2.6	2.7	3.4	3.8	
Num. Yrs.	36	34	35	36	35	36	37	38	38	37	37	35	

Heating Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
50	680	488	370	124	19	1	0	0	9	72	363	595	2722
55	834	626	511	215	53	3	0	0	21	144	505	748	3661
57	896	681	571	259	74	6	0	1	30	182	564	809	4074
60	989	765	661	333	115	14	0	1	50	250	653	901	4734
65	1143	905	815	471	212	40	2	6	102	386	802	1054	5939

Cooling Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
55	0	1	5	44	179	425	621	558	295	69	1	0	2198
57	0	0	3	28	138	368	560	497	246	46	0	0	1887
60	0	0	1	13	87	286	467	407	177	22	0	0	1460
65	0	0	0	2	30	163	315	259	82	3	0	0	854
70	0	0	0	0	5	69	170	128	25	0	0	0	398

Growing Degree Days

Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
40	17	41	108	305	591	867	1085	1015	715	399	91	23	5257
45	3	14	50	192	441	719	930	863	571	266	34	6	4087
50	0	3	18	102	300	571	776	710	429	151	9	1	3070
55	0	1	5	44	179	425	621	558	295	69	1	0	2198
60	0	0	1	13	87	286	467	407	177	22	0	0	1460

Corn GDD 32 57 114 235 374 536 679 635 456 300 102 40 3560

Growing Season

Probability length will be less than

Threshold	Shortest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Longest	Yrs.
36	104/1964	111	117	122	126	129	133	136	141	147	158/1963	23
32	106/1951	123	131	136	141	145	150	155	160	168	187/1962	22
28	143/1953	148	155	161	166	170	175	179	185	193	211/1963	22
24	145/1953	159	168	175	180	185	190	196	202	211	232/1963	18
20	167/1969	172	183	190	197	203	209	215	222	233	249/1963	17
16	178/1966	192	202	210	216	221	227	233	241	251	260/1978	15

Probability last spring frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	4/23/1987	5/ 2	5/ 7	5/11	5/14	5/17	5/20	5/23	5/27	6/ 1	6/ 6/1983	23
32	4/13/1962	4/21	4/27	5/ 1	5/ 5	5/ 8	5/11	5/15	5/19	5/25	6/ 3/1954	22
28	4/ 4/1963	4/10	4/15	4/18	4/21	4/24	4/27	4/30	5/ 3	5/ 8	5/14/1953	22
24	3/14/1963	4/ 2	4/ 7	4/11	4/14	4/18	4/21	4/24	4/28	5/ 4	5/12/1953	18
20	3/14/1963	3/23	3/30	4/ 3	4/ 7	4/11	4/14	4/18	4/23	4/29	4/30/1950	17
16	3/ 4/1978	3/ 9	3/16	3/21	3/25	3/29	4/ 2	4/ 6	4/11	4/18	4/21/1982	15

Probability first autumn frost will be before

Threshold	Earliest	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	Latest	Yrs
36	8/24/1964	9/ 8	9/13	9/17	9/20	9/23	9/26	9/29	10/ 3	10/ 8	10/27/1963	23
32	9/16/1951	9/17	9/22	9/25	9/28	9/30	10/ 3	10/ 6	10/ 9	10/13	10/28/1963	22
28	9/17/1965	9/25	9/30	10/ 5	10/ 8	10/11	10/14	10/18	10/22	10/27	11/ 6/1978	22
24	9/20/1983	10/ 2	10/ 8	10/12	10/16	10/20	10/23	10/27	10/31	11/ 6	11/10/1978	18
20	9/30/1985	10/10	10/17	10/22	10/26	10/30	11/ 3	11/ 7	11/12	11/19	11/21/1949	17
16	9/30/1985	10/15	10/23	10/28	11/ 2	11/ 6	11/10	11/14	11/20	11/27	11/23/1963	15