Climatography of the United States No. 20 1971-2000

National Climatic Data Center Federal Building 151 Patton Avenue Asheville, North Carolina 28801 www.ncdc.noaa.gov

COOP ID: 024702

Lon: 113°58W

Station: KOFA MINE, AZ

Climate Division: AZ 5 NWS Call Sign:

| | | | | | | |

 | | Гетр | eratui
 | re (°F) | | | |
 | | | | |
 |
|--------------|--|---|---|---|--|---
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---|---|--|--
--|---|--|--|---
---|--|---|--
---|
| Mea | n (1) | | | | | | Extr

 | emes | |
 | | | _ | - |
 | Mean | Numb | er of I | Days (3) |)
 |
| Daily
Max | Daily
Min | Mean | Highest
Daily(2) | Year | Day | Highest
Month(1)
Mean | Year

 | Lowest
Daily(2) | Year | Day
 | Lowest
Month(1)
Mean | Year | Heating | Cooling | Max >= 100
 | Max >= 90 | Max >= 50 | Max <= 32 | Min <= 32 | Min <= 0
 |
| 65.8 | 46.0 | 55.9 | 86 | 1971 | 19 | 62.1 | 1986

 | 23 | 1963 | 13
 | 49.6 | 1979 | 294 | 12 | .0
 | .0 | 30.6 | .0 | .5 | .0
 |
| 69.8 | 48.9 | 59.4 | 93 | 1986 | 26 | 65.2 | 1991

 | 28 | 1990 | 15
 | 53.0 | 1998 | 183 | 25 | .0
 | .1 | 27.9 | .0 | .3 | .0
 |
| 74.5 | 52.0 | 63.3 | 95+ | 1997 | 20 | 72.9 | 1972

 | 34+ | 1985 | 3
 | 55.6 | 1973 | 158 | 105 | .0
 | 1.0 | 31.0 | .0 | .0 | .0
 |
| 82.3 | 57.5 | 69.9 | 104 | 1980 | 19 | 77.3 | 1989

 | 38+ | 1976 | 16
 | 61.4 | 1975 | 54 | 202 | .3
 | 7.0 | 30.0 | .0 | .0 | .0
 |
| 90.2 | 64.4 | 77.3 | 112 | 1983 | 28 | 84.9 | 1997

 | 44 | 1955 | 2
 | 70.4 | 1977 | 10 | 391 | 3.0
 | 17.7 | 31.0 | .0 | .0 | .0
 |
| 100.4 | 73.4 | 86.9 | 117 | 1994 | 28 | 92.9 | 1981

 | 49 | 1999 | 4
 | 82.6 | 1991 | 0 | 656 | 18.4
 | 28.1 | 30.0 | .0 | .0 | .0
 |
| 103.5 | 78.7 | 91.1 | 119 | 1995 | 28 | 95.5 | 1980

 | 59 | 1979 | 18
 | 87.8 | 1984 | 0 | 809 | 25.1
 | 30.8 | 31.0 | .0 | .0 | .0
 |
| 102.0 | 77.9 | 90.0 | 116 | 1981 | 27 | 94.2 | 1995

 | 59 | 1979 | 18
 | 86.4 | 1983 | 0 | 772 | 22.9
 | 30.3 | 31.0 | .0 | .0 | .0
 |
| 96.8 | 73.3 | 85.1 | 113 | 1979 | 10 | 91.4 | 1979

 | 45 | 1965 | 20
 | 78.7 | 1985 | 0 | 603 | 11.2
 | 26.3 | 30.0 | .0 | .0 | .0
 |
| 86.2 | 63.8 | 75.0 | 109 | 1980 | 2 | 80.9 | 1999

 | 36+ | 1976 | 31
 | 68.9 | 1971 | 16 | 327 | 1.8
 | 11.5 | 31.0 | .0 | .0 | .0
 |
| 73.7 | 52.6 | 63.2 | 93+ | 1994 | 1 | 70.5 | 1995

 | 31 | 1964 | 16
 | 57.9 | 1994 | 132 | 77 | .0
 | .5 | 30.0 | .0 | .0 | .0
 |
| 65.8 | 45.9 | 55.9 | 85 | 1958 | 3 | 61.7 | 1980

 | 26 | 1968 | 22
 | 50.7 | 1987 | 297 | 13 | .0
 | .0 | 30.6 | .0 | .4 | .0
 |
| 0.4.2 | -1.0 | 52. 0 | 440 | Jul | 20 | 07.5 | Jul

 | | Jan | 10
 | 40.5 | Jan | | 2002 |
 | 150 5 | 2546 | | 1.0 | .0
 |
| | Daily Max 65.8 69.8 74.5 82.3 90.2 100.4 103.5 102.0 96.8 86.2 73.7 | Max Min 65.8 46.0 69.8 48.9 74.5 52.0 82.3 57.5 90.2 64.4 100.4 73.4 102.0 77.9 96.8 73.3 86.2 63.8 73.7 52.6 65.8 45.9 | Daily Max Daily Min Mean 65.8 46.0 55.9 69.8 48.9 59.4 74.5 52.0 63.3 82.3 57.5 69.9 90.2 64.4 77.3 100.4 73.4 86.9 103.5 78.7 91.1 102.0 77.9 90.0 96.8 73.3 85.1 86.2 63.8 75.0 73.7 52.6 63.2 65.8 45.9 55.9 | Daily Max Daily Min Mean Highest Daily(2) 65.8 46.0 55.9 86 69.8 48.9 59.4 93 74.5 52.0 63.3 95+ 82.3 57.5 69.9 104 90.2 64.4 77.3 112 100.4 73.4 86.9 117 103.5 78.7 91.1 119 102.0 77.9 90.0 116 96.8 73.3 85.1 113 86.2 63.8 75.0 109 73.7 52.6 63.2 93+ 65.8 45.9 55.9 85 | Daily Max Daily Min Mean Highest Daily(2) Year 65.8 46.0 55.9 86 1971 69.8 48.9 59.4 93 1986 74.5 52.0 63.3 95+ 1997 82.3 57.5 69.9 104 1980 90.2 64.4 77.3 112 1983 100.4 73.4 86.9 117 1994 103.5 78.7 91.1 119 1995 102.0 77.9 90.0 116 1981 96.8 73.3 85.1 113 1979 86.2 63.8 75.0 109 1980 73.7 52.6 63.2 93+ 1994 65.8 45.9 55.9 85 1958 Jul Jul Jul | Daily Max Daily Min Mean Highest Daily(2) Year Day 65.8 46.0 55.9 86 1971 19 69.8 48.9 59.4 93 1986 26 74.5 52.0 63.3 95+ 1997 20 82.3 57.5 69.9 104 1980 19 90.2 64.4 77.3 112 1983 28 100.4 73.4 86.9 117 1994 28 102.0 77.9 90.0 116 1981 27 96.8 73.3 85.1 113 1979 10 86.2 63.8 75.0 109 1980 2 73.7 52.6 63.2 93+ 1994 1 65.8 45.9 55.9 85 1958 3 Jul | Daily Max Daily Min Mean Highest Daily(2) Year Day Highest Month(1) Mean 65.8 46.0 55.9 86 1971 19 62.1 69.8 48.9 59.4 93 1986 26 65.2 74.5 52.0 63.3 95+ 1997 20 72.9 82.3 57.5 69.9 104 1980 19 77.3 90.2 64.4 77.3 112 1983 28 84.9 100.4 73.4 86.9 117 1994 28 92.9 103.5 78.7 91.1 119 1995 28 95.5 102.0 77.9 90.0 116 1981 27 94.2 96.8 73.3 85.1 113 1979 10 91.4 86.2 63.8 75.0 109 1980 2 80.9 73.7 52.6 63.2 93+ 1994 1 </td <td>Daily Max Daily Min Mean Min Highest Daily(2) Year Day Day Month(1) Mean Year Month(1) Mean Year Mean 65.8 46.0 55.9 86 1971 19 62.1 1986 69.8 48.9 59.4 93 1986 26 65.2 1991 74.5 52.0 63.3 95+ 1997 20 72.9 1972 82.3 57.5 69.9 104 1980 19 77.3 1989 90.2 64.4 77.3 112 1983 28 84.9 1997 100.4 73.4 86.9 117 1994 28 92.9 1981 103.5 78.7 91.1 119 1995 28 95.5 1980 102.0 77.9 90.0 116 1981 27 94.2 1995 96.8 73.3 85.1 113 1979 10 91.4 1979 86.2 63.8</td> <td>Daily Max Daily Min Mean Min Highest Daily(2) Year Day Day Mean Month(1) Mean Year Daily(2) Lowest Daily(2) 65.8 46.0 55.9 86 1971 19 62.1 1986 23 69.8 48.9 59.4 93 1986 26 65.2 1991 28 74.5 52.0 63.3 95+ 1997 20 72.9 1972 34+ 82.3 57.5 69.9 104 1980 19 77.3 1989 38+ 90.2 64.4 77.3 112 1983 28 84.9 1997 44 100.4 73.4 86.9 117 1994 28 92.9 1981 49 102.0 77.9 90.0 116 1981 27 94.2 1995 59 96.8 73.3 85.1 113 1979 10 91.4 1979 45 86.2 63.8 75.0</td> <td> Daily Max Daily Min Mean Highest Daily(2) Vear Day Month(1) Mean Mean Highest Daily(2) Mean Me</td> <td> Daily Max Daily Min Mean Highest Daily(2) War Daily(2) War Daily(2) War Month(1) Mean War Daily(2) War Daily</td> <td> Daily Max Daily Min Mean Highest Daily(2) Year Day Day Daily Mean Daily Mean Daily Mean Highest Daily(2) Year Day Day Daily(2) Year Day Day Daily(2) Year Day Day Daily(2) Year Day Day Day Day Day Day Day Day Day Day</td> <td> Naily Min Mean Highest Daily(2) Year Day Mean Highest Daily(2) Year Day Mean M</td> <td> Daily Max Min Mean Highest Daily(2) Fear Day Highest Mean Parily (2) Par Day Highest Daily(2) Par Day Highest Daily(2) Par Day Month(1) Mean Parily (2) Par Day Month(1) Mean Parily (2) Par Day Month(1) Mean Parily (2) Par Day Month(1) Mean Parily (2) Par Parily (2) Par Parily (2) Par Parily (2) Par Parily (2) Parily (2)</td> <td> Nearly Near Near</td> <td> Near Near </td> <td> Mean 1 Mean 1 Mean Mean </td> <td> Near Near </td> <td> Near Color Color</td> <td> Near Near </td> | Daily Max Daily Min Mean Min Highest Daily(2) Year Day Day Month(1) Mean Year Month(1) Mean Year Mean 65.8 46.0 55.9 86 1971 19 62.1 1986 69.8 48.9 59.4 93 1986 26 65.2 1991 74.5 52.0 63.3 95+ 1997 20 72.9 1972 82.3 57.5 69.9 104 1980 19 77.3 1989 90.2 64.4 77.3 112 1983 28 84.9 1997 100.4 73.4 86.9 117 1994 28 92.9 1981 103.5 78.7 91.1 119 1995 28 95.5 1980 102.0 77.9 90.0 116 1981 27 94.2 1995 96.8 73.3 85.1 113 1979 10 91.4 1979 86.2 63.8 | Daily Max Daily Min Mean Min Highest Daily(2) Year Day Day Mean Month(1) Mean Year Daily(2) Lowest Daily(2) 65.8 46.0 55.9 86 1971 19 62.1 1986 23 69.8 48.9 59.4 93 1986 26 65.2 1991 28 74.5 52.0 63.3 95+ 1997 20 72.9 1972 34+ 82.3 57.5 69.9 104 1980 19 77.3 1989 38+ 90.2 64.4 77.3 112 1983 28 84.9 1997 44 100.4 73.4 86.9 117 1994 28 92.9 1981 49 102.0 77.9 90.0 116 1981 27 94.2 1995 59 96.8 73.3 85.1 113 1979 10 91.4 1979 45 86.2 63.8 75.0 | Daily Max Daily Min Mean Highest Daily(2) Vear Day Month(1) Mean Mean Highest Daily(2) Mean Me | Daily Max Daily Min Mean Highest Daily(2) War Daily(2) War Daily(2) War Month(1) Mean War Daily(2) War Daily | Daily Max Daily Min Mean Highest Daily(2) Year Day Day Daily Mean Daily Mean Daily Mean Highest Daily(2) Year Day Day Daily(2) Year Day Day Daily(2) Year Day Day Daily(2) Year Day | Naily Min Mean Highest Daily(2) Year Day Mean Highest Daily(2) Year Day Mean M | Daily Max Min Mean Highest Daily(2) Fear Day Highest Mean Parily (2) Par Day Highest Daily(2) Par Day Highest Daily(2) Par Day Month(1) Mean Parily (2) Par Day Month(1) Mean Parily (2) Par Day Month(1) Mean Parily (2) Par Day Month(1) Mean Parily (2) Par Parily (2) Par Parily (2) Par Parily (2) Par Parily (2) Parily (2) | Nearly Near Near | Near Near | Mean 1 Mean 1 Mean Mean | Near Near | Near Color Color | Near Near |

⁺ Also occurred on an earlier date(s)

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Issue Date: February 2004 048-A

(1) From the 1971-2000 Monthly Normals

Elevation: 1,775 Feet Lat: 33°16N

- (2) Derived from station's available digital record: 1952-2001
- (3) Derived from 1971-2000 serially complete daily data

[@] Denotes mean number of days greater than 0 but less than .05

Climatography of the United States No. 20 1971-2000

National Climatic Data Center Federal Building 151 Patton Avenue Asheville, North Carolina 28801 www.ncdc.noaa.gov

COOP ID: 024702

Station: KOFA MINE, AZ

Climate Division: AZ 5

Elevation: 1,775 Feet Lat: 33°16N Lon: 113°58W

										Pı	ecipit	tation	(incl	nes)										
	Me:		P	recipi	itatio	on Total					ean N of D	ays (3)	Proba		Me	nonthly/ onthly/An	annual j indic	ated am	ntion wil nount vs Probal	ies (1) Il be equ	els		ın the
Month	Mean	Med- ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.90	.60	1.40	1977	1	4.51	1993	.00+	1996	3.2	1.8	.7	@	.00	.00	.09	.21	.35	.53	.76	1.07	1.50	2.26	3.03
Feb	.78	.30	1.43	1993	8	3.38	1998	.00+	1989	3.2	1.7	.5	.2	.00	.00	.02	.10	.23	.40	.61	.90	1.33	2.09	2.88
Mar	.64	.45	2.95	1978	1	2.56	1992	.00+	1997	2.9	1.5	.3	.1	.00	.00	.01	.07	.16	.30	.48	.72	1.10	1.76	2.46
Apr	.22	.00	1.40	1965	3	2.21	1988	.00+	2000	1.2	.6	.1	@	.00	.00	.00	.00	.00	.00	.03	.14	.34	.73	1.15
May	.14	.00	1.44	1994	24	1.57	1994	.00+	2000	1.1	.4	@	@	.00	.00	.00	.00	.00	.00	.00	.04	.16	.46	.80
Jun	.03	.00	.35	1959	30	.26	1987	.00+	1998	.5	.1	.0	.0	.00	.00	.00	.00	.00	.00	.00	.00	.05	.13	.19
Jul	.63	.43	4.00	1958	28	4.10	1976	.00+	2000	2.5	1.4	.5	.1	.00	.00	.08	.17	.27	.40	.56	.77	1.06	1.56	2.06
Aug	1.00	.58	3.09	1959	1	7.17	1983	.00+	1980	3.7	2.1	.7	.1	.00	.03	.14	.27	.43	.63	.88	1.20	1.66	2.45	3.26
Sep	1.06	.46	4.16	1976	25	7.55	1976	.00+	2000	2.5	1.4	.5	.3	.00	.00	.00	.08	.22	.44	.74	1.17	1.81	2.99	4.21
Oct	.58	.16	5.60	1976	23	6.33	1976	.00+	1999	1.6	1.0	.2	.1	.00	.00	.00	.00	.03	.13	.29	.55	.97	1.77	2.64
Nov	.42	.16	1.92	1969	10	2.59	1985	.00+	1999	2.0	.9	.2	.1	.00	.00	.01	.04	.10	.19	.30	.46	.71	1.14	1.60
Dec	.59	.27	1.20	1997	22	3.22	1984	.00+	2000	2.8	1.3	.4	.1	.00	.00	.00	.04	.13	.25	.42	.66	1.02	1.67	2.35

6.39

6.99

Ann

5.60

Oct

1976

23

7.55

Sep

1976

NWS Call Sign:

4.64

6.32

7.26

8.37

9.80

12.03

14.10

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

5.47

4.1

1.1

2.14

2.80

3.79

Dec

2000

27.2

14.2

+00.

⁺ Also occurred on an earlier date(s)

[#] Denotes amounts of a trace

[@] Denotes mean number of days greater than 0 but less than .05

^{**} Statistics not computed because less than six years out of thirty had measurable precipitation

⁽¹⁾ From the 1971-2000 Monthly Normals

⁽²⁾ Derived from station's available digital record: 1952-2001

⁽³⁾ Derived from 1971-2000 serially complete daily data

Climatography of the United States No. 20 1971-2000

National Climatic Data Center Federal Building 151 Patton Avenue Asheville, North Carolina 28801 www.ncdc.noaa.gov

COOP ID: 024702

Station: KOFA MINE, AZ

Climate Division: AZ 5 NWS Call Sign: Elevation: 1,775 Feet Lat: 33°16N Lon: 113°58W

										Snov	w (incl	hes)											
		Fall can bean Depth Median Depth Median Depth Median Year Fall Day Snow Fall Year Fall Day Snow Depth Year Snow Depth Yea															Mea	n Nu	mber	of Day	ys (1)		
	Mean	s/Medi	ans (1))					Extre	mes (2)							ow Fa					Depth esholo	
Month	Snow Fall Mean	Fall	Depth	Depth	Daily Snow	Year	Day	Monthly Snow	Year	Daily Snow	Year	Day	Monthly Mean Snow	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Feb	#	.0	#	0	#	1990	14	#+	1990	#	1985	2	#	1985	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mar	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Apr	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	#	.0	N/A	N/A	#	Feb 1990	14	#+	Feb 1990	#	Feb 1985	2	#	Feb 1985	.0	.0	.0	.0	.0	.0	.0	.0	.0

⁺ Also occurred on an earlier date(s) #Denotes trace amounts

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

[@] Denotes mean number of days greater than 0 but less than .05

^{-9/-9.9} represents missing values Annual statistics for Mean/Median snow depths are not appropriate

⁽¹⁾ Derived from Snow Climatology and 1971-2000 daily data

⁽²⁾ Derived from 1971-2000 daily data

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COOP ID: 024702

Station: KOFA MINE, AZ

Climate Division: AZ 5 NWS Call Sign:

Lat: 33°16N Elevation: 1,775 Feet Lon: 113°58W

				Freez	e Data				
			Spri	ng Freeze D	ates (Month/	/Day)			
Town (F)		P	robability of	later date i	n spring (thr	u Jul 31) tha	n indicated((*)	
Temp (F)	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	3/08	2/20	2/08	1/29	1/19	1/08	12/27	12/08	0/00
32	2/02	1/19	1/07	12/24	0/00	0/00	0/00	0/00	0/00
28	12/31	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
24	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
20	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
1		•	Fa	ll Freeze Da	tes (Month/D	Day)		1	
(T)		Pro	bability of e	arlier date i	n fall (beginr	ning Aug 1) t	han indicate	ed(*)	
Temp (F)	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	11/19	12/03	12/13	12/22	12/30	1/09	1/20	2/11	0/00
32	12/17	12/29	1/08	1/22	0/00	0/00	0/00	0/00	0/00
28	1/24	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
24	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
20	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
				Freeze F	ree Period				
Tomas (E)			Probability	of longer th	an indicated	freeze free p	eriod (Days))	
Temp (F)	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	>365	>365	>365	>365	344	326	311	295	276
32	>365	>365	>365	>365	>365	>365	>365	341	322
28	>365	>365	>365	>365	>365	>365	>365	>365	>365
24	>365	>365	>365	>365	>365	>365	>365	>365	>365
20	>365	>365	>365	>365	>365	>365	>365	>365	>365
16	>365	>365	>365	>365	>365	>365	>365	>365	>365

^{*} Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:

Climatography of the United States No. 20 1971-2000

National Climatic Data Center Federal Building 151 Patton Avenue Asheville, North Carolina 28801 www.ncdc.noaa.gov

Station: KOFA MINE, AZ

COOP ID: 024702

Climate Division: AZ 5 NWS Call Sign: Elevation: 1,775 Feet Lat: 33°16N Lon: 113°58W

				Deg	ree Days t	o Selected	Base Tem	peratures	(°F)				
Base						Heatin	g Degree l	Days (1)					
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	294	183	158	54	10	0	0	0	0	16	132	297	1144
60	170	94	84	20	2	0	0	0	0	4	61	174	609
57	114	54	50	10	0	0	0	0	0	1	33	118	380
55	83	33	35	6	0	0	0	0	0	0	21	87	265
50	27	9	13	0	0	0	0	0	0	0	5	30	84
32	0	0	0	0	0	0	0	0	0	0	0	0	0

Base						Coolin	g Degree l	Days (1)					
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	741	766	969	1138	1403	1646	1832	1795	1593	1333	935	739	14890
55	111	155	291	453	690	956	1119	1082	903	620	266	113	6759
57	80	119	245	398	628	896	1057	1020	843	559	218	83	6146
60	42	75	185	318	537	806	964	927	753	469	156	45	5277
65	12	25	105	202	391	656	809	772	603	327	77	13	3992
70	0	6	47	115	258	506	654	617	454	205	29	1	2892

										Gro	wing l	Degre	e Uni	ts (2)										
Base					Growing	g Degree	Units (M	Ionthly)					Growing Degree Units (Accumulated Monthly)											
	Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov D												Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	513	577	732	907	1167	1430	1604	1570	1368	1094	709	509	513	1090	1822	2729	3896	5326	6930	8500	9868	10962	11671	12180
45	45 360 433 577 757 1012 1280 1449 1415 1218 939 559											357	360	793	1370	2127	3139	4419	5868	7283	8501	9440	9999	10356
50	50 216 292 423 607 857 1130 1294 1260 1068 784 412										215	216	508	931	1538	2395	3525	4819	6079	7147	7931	8343	8558	
55	105	167	277	460	702	980	1139	1105	918	631	269	98	105	272	549	1009	1711	2691	3830	4935	5853	6484	6753	6851
60	37	78	157	322	547	830	984	950	768	479	150	33	37	115	272	594	1141	1971	2955	3905	4673	5152	5302	5335
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	50/86 275 332 447 588 770 906 1016 1009 899 734 429 2											271	275	607	1054	1642	2412	3318	4334	5343	6242	6976	7405	7676

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Notes

- a. The monthly means are simple arithmetic averages computed by summing the monthly values for the period 1971-2000 and dividing by thirty. Prior to averaging, the data are adjusted if necessary to compensate for data quality issues, station moves or changes in station reporting practices. Missing months are replaced by estimates based on neighboring stations.
- b. The median is defined as the middle value in an ordered set of values. The median is being provided for the snow and precipitation elements because the mean can be a misleading value for precipitation normals.
 - c. Only observed validated values were used to select the extreme daily values.
 - d. Extreme monthly temperature/precipitation means were selected from the monthly normals data.

Monthly snow extremes were calculated from daily values quality controlled to be consistent with the Snow Climatology.

e. Degree Days were derived using the same techniques as the 1971-2000 normals.

Compete documentation for the 1971-2000 Normals is available on the internet from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

f. Mean "number of days statistics" for temperature and precipitation were calculated from a serially complete daily data set .

Documentation of the serially complete data set is available from the link below:

g. Snowfall and snow depth statistics were derived from the Snow Climatology.

Documentation for the Snow Climatology project is available from the link under references.

Data Sources for Tables

Several different data sources were used to create the Clim20 climate summaries. In some cases the daily extremes appear inconsistent with the monthly extremes and or the mean number of days statistics. For example, a high daily extreme value may not be reflected in the highest monthly value or the mean number of days threshold that is less than and equal to the extreme value. Some of these difference are caused by different periods of record. Daily extremes are derived from the station's entire period of record while the serial data and normals data were are for the 1971-2000 period. Therefore extremes observed before 1971 would not be included in the 1971-2000 normals or the 1971-2000 serial daily data set. Inconsistencies can also occur when monthly values are adjusted to reflect the current observing conditions or were replaced during the 1971-2000 Monthly Normals processing and are not reconciled with the Summary of the Day data.

- a. Temperature/ Precipitation Tables
 - 1. 1971-2000 Monthly Normals
 - 2. Cooperative Summary of the Day
 - 3. National Weather Service station records
 - 4. 1971-2000 serially complete daily data

- c. Snow Tables
 - 1. Snow Climatology
 - 2. Cooperative Summary of the Day
- d. Freeze Data Table

1971-2000 serially complete daily data

- b. Degree Day Table
 - 1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals
 - 2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normals.html

U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/usnormalsprods.html

Snow Climatology Project Description, www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html

Eischeid, J. K., P. Pasteris, H. F. Diaz, M. Plantico, and N. Lott, 2000: Creating a serially complete, national daily time series of temperature and precipitation for the Western United States. J. Appl. Meteorol., 39, 1580-1591,

www1.ncdc.noaa.gov/pub/data/special/ serialcomplete_jam_0900.pdf