

Climatography of the United States

No. 20

1971-2000

Station: GLENNALLEN KCAM, AK

COOP ID: 503304

Climate Division: AK 4

NWS Call Sign:

Elevation: 1,456 Feet Lat: 62°07N

Lon: 145°32W

Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	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 >= 90	Max >= 70	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	4.3	-17.1	-6.4	45	1984	13	17.0	1981	-61	1975	5	-27.1	1982	2214	0	.0	.0	.0	28.2	30.8	24.2
Feb	14.9	-11.9	1.5	47+	1968	11	19.1	1977	-60	1968	4	-20.2	1979	1780	0	.0	.0	.0	23.4	28.2	19.6
Mar	29.8	-1.7	14.1	56	1981	18	24.7	1981	-50	1972	10	2.1	1972	1581	0	.0	.0	.1	15.9	30.8	16.0
Apr	44.3	16.2	30.3	67	1976	29	35.4	1993	-30+	1986	9	15.3	1972	1042	0	.0	.0	7.5	2.3	28.5	2.8
May	57.5	28.3	42.9	79+	1990	30	47.5	1981	10	1972	2	38.6	1971	685	0	.0	2.2	27.6	.0	21.6	.0
Jun	67.3	37.7	52.5	90+	1969	15	55.9	1990	23	1997	15	49.5	1975	376	0	@	11.7	29.7	.0	5.9	.0
Jul	70.6	42.4	56.5	90	1993	15	60.2	1989	25+	1982	2	54.7	1991	264	0	@	16.8	30.9	.0	2.0	.0
Aug	66.4	38.2	52.3	89	1976	1	57.0	1994	16	1984	30	48.2	1975	393	0	.0	9.4	30.9	.0	8.3	.0
Sep	54.8	29.7	42.3	75+	1974	1	47.5	1995	-5	1983	27	32.0	1992	682	0	.0	.4	23.8	.2	17.4	@
Oct	35.8	14.5	25.2	65	1969	6	33.5	1987	-30	1996	27	11.8	1996	1236	0	.0	.0	2.5	11.5	28.1	5.4
Nov	14.7	-6.2	4.3	46+	1979	9	22.0	1979	-51	1989	12	-8.2	1990	1825	0	.0	.0	.0	26.4	29.7	18.9
Dec	7.3	-13.1	-2.9	45	1980	31	13.9	1985	-56+	1970	4	-27.7	1980	2105	0	.0	.0	.0	28.3	30.6	23.7
Ann	39.0	13.1	26.1	90+	Jul 1993	15	60.2	Jul 1989	-61	Jan 1975	5	-27.7	Dec 1980	14183	0	.0	40.5	153.0	136.2	261.9	110.6

+ Also occurred on an earlier date(s)

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

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

Issue Date: October 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1965-2001

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

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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: GLENNALLEN KCAM, AK

COOP ID: 503304

Climate Division: AK 4

NWS Call Sign:

Elevation: 1,456 Feet Lat: 62°07N

Lon: 145°32W

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
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	.56	.57	.57	1989	26	1.68	1989	.07	1974	6.0	2.0	.1	.0	.07	.12	.20	.28	.36	.45	.56	.69	.86	1.15	1.43
Feb	.53	.32	.72	1968	27	2.12	1996	.05	1987	4.7	1.6	.2	.0	.03	.06	.13	.20	.28	.38	.49	.64	.84	1.19	1.53
Mar	.37	.24	1.15	1990	14	2.17	1990	.00+	1987	3.1	.8	.1	@	.00	.01	.06	.11	.17	.25	.34	.45	.61	.89	1.17
Apr	.22	.11	.47	1992	11	1.52	1986	.00+	1998	1.9	.6	.0	.0	.00	.00	.00	.00	.05	.10	.17	.26	.39	.61	.83
May	.49	.34	.82	1977	7	1.98	1977	.00+	1984	3.7	1.4	.1	.0	.00	.02	.09	.16	.24	.34	.45	.60	.81	1.16	1.52
Jun	1.42	1.31	2.75	1991	2	4.65	1990	.00	1974	8.8	4.4	.6	.1	.32	.53	.76	.95	1.13	1.31	1.50	1.73	2.02	2.48	2.90
Jul	1.64	1.31	1.40	1999	28	4.06	1988	.32	1997	11.0	4.9	.8	.1	.36	.51	.75	.97	1.19	1.42	1.68	1.99	2.40	3.05	3.67
Aug	1.77	1.80	3.49	1990	19	5.10	1990	.27	1978	10.1	4.7	.7	.2	.48	.65	.90	1.12	1.34	1.57	1.83	2.13	2.52	3.14	3.71
Sep	1.15	.95	1.60	1990	22	5.41	1990	.00	1974	8.0	3.8	.5	.2	.06	.17	.35	.52	.70	.89	1.13	1.42	1.81	2.45	3.08
Oct	1.06	.93	.80	1987	2	3.34	1988	.00	1975	7.1	3.8	.4	.0	.10	.22	.39	.54	.70	.87	1.07	1.30	1.62	2.13	2.62
Nov	.76	.68	.90	1999	1	3.91	1976	.08	1995	6.2	2.2	.3	.0	.11	.17	.28	.39	.50	.62	.76	.93	1.16	1.54	1.90
Dec	1.20	.86	2.75	1989	11	10.71	1989	.16	1972	7.7	3.1	.4	.3	.11	.20	.36	.53	.71	.92	1.16	1.47	1.89	2.59	3.27
Ann	11.17	10.81	3.49	Aug 1990	19	10.71	Dec 1989	.00+	Apr 1998	78.3	33.3	4.2	.9	5.86	6.77	8.00	8.98	9.87	10.76	11.70	12.77	14.09	16.08	17.85

+ 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: 1965-2001

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

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

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No. 20 1971-2000

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151 Patton Avenue
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Station: GLENNALLEN KCAM, AK

COOP ID: 503304

Climate Division: AK 4

NWS Call Sign:

Elevation: 1,456 Feet

Lat: 62°07N

Lon: 145°32W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	6.6	5.8	12	14	7.7	1989	26	24.4	1989	34+	1989	26	31	1979	5.8	2.4	.4	.2	.0	28.3	26.3	24.3	18.0
Feb	6.6	3.3	16	16	10.2	1990	18	21.2	1996	44	1979	4	43	1979	4.8	2.0	.6	.2	.0	24.4	23.9	22.1	19.3
Mar	3.4	2.0	15	16	6.2	1996	11	14.1	1996	47	1995	16	42	1995	2.9	1.4	.2	.1	.0	28.7	27.2	25.3	20.4
Apr	2.2	1.0	5	4	10.0	1986	6	11.0	1986	37+	1996	1	21	1995	1.4	.8	.2	.1	.0	16.7	13.9	12.0	6.6
May	.5	.0	0	0	4.0+	2000	5	4.6	1999	16	1992	1	2+	1992	.3	.2	.1	.0	.0	.8	.5	.4	.2
Jun	.0	.0	0	0	1.1	1986	1	1.1	1986	1	1986	1	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	.2	.0	0	0	2.7	1993	26	2.8	1993	3	1993	26	0	0	.2	.1	.0	.0	.0	.1	.0	.0	.0
Oct	7.9	5.2	1	1	12.0	1978	22	26.7	1971	15	1971	31	8	1988	5.0	2.5	.9	.2	.0	10.3	6.2	3.3	1.5
Nov	8.9	8.5	6	4	11.5+	2000	1	29.1	1999	21+	2000	30	16+	1994	5.9	2.7	.6	.3	.1	21.5	17.5	12.2	7.2
Dec	11.4	11.5	12	11	11.0+	1982	3	28.7	1978	38	1978	27	31	1978	5.7	2.3	1.0	.4	.0	20.0	19.0	17.2	13.2
Ann	47.7	37.3	N/A	N/A	12.0	Oct 1978	22	29.1	Nov 1999	47	Mar 1995	16	43	Feb 1979	32.0	14.4	4.0	1.5	.1	150.8	134.5	116.8	86.4

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

@ 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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No. 20 1971-2000

Station: GLENNALLEN KCAM, AK

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Climate Division: AK 4

NWS Call Sign:

Elevation: 1,456 Feet

Lat: 62° 07N

Lon: 145° 32W

Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/07	8/03	7/31	7/28	7/26	7/23	7/21	7/18	7/14
32	8/03	7/28	7/24	7/20	7/17	7/13	7/10	7/06	6/30
28	7/15	7/08	7/03	6/28	6/24	6/20	6/15	6/10	6/02
24	6/05	5/31	5/28	5/25	5/22	5/20	5/17	5/13	5/09
20	5/21	5/16	5/12	5/09	5/06	5/03	4/30	4/27	4/22
16	5/07	5/03	4/30	4/27	4/25	4/22	4/20	4/17	4/12
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/31	8/02	8/03	8/04	8/05	8/06	8/07	8/08	8/10
32	8/01	8/04	8/06	8/08	8/10	8/12	8/14	8/16	8/19
28	8/07	8/10	8/12	8/14	8/16	8/18	8/20	8/22	8/26
24	8/16	8/21	8/24	8/27	8/29	9/01	9/04	9/07	9/12
20	8/28	9/02	9/06	9/09	9/12	9/15	9/18	9/22	9/27
16	9/09	9/14	9/17	9/20	9/23	9/25	9/28	10/02	10/06
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	24	19	15	12	10	7	4	0	0
32	46	38	32	28	23	19	14	9	1
28	77	69	63	57	53	48	42	36	28
24	117	111	106	102	98	95	91	86	79
20	150	142	137	132	128	124	119	114	106
16	170	163	158	154	150	146	142	137	130

* 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

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No. 20
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NWS Call Sign:

Elevation: 1,456 Feet Lat: 62°07N

Lon: 145°32W

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	2214	1780	1581	1042	685	376	264	393	682	1236	1825	2105	14183
60	2059	1640	1426	892	530	227	118	246	532	1081	1675	1950	12376
57	1966	1556	1333	802	437	144	55	168	444	988	1585	1857	11335
55	1904	1500	1271	742	375	97	26	124	386	926	1525	1795	10671
50	1749	1360	1116	598	230	23	1	48	253	771	1375	1640	9164
32	1224	879	581	178	7	0	0	0	14	289	855	1096	5123

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	33	23	23	126	345	614	759	630	321	77	20	14	2985
55	0	0	0	0	0	21	72	42	4	0	0	0	139
57	0	0	0	0	0	8	39	23	2	0	0	0	72
60	0	0	0	0	0	1	9	8	0	0	0	0	18
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 Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	0	9	145	401	528	400	132	11	0	0	0	0	0	9	154	555	1083	1483	1615	1626	1626	1626
45	0	0	0	0	51	254	373	253	53	0	0	0	0	0	0	0	51	305	678	931	984	984	984	984
50	0	0	0	0	8	124	224	124	14	0	0	0	0	0	0	0	8	132	356	480	494	494	494	494
55	0	0	0	0	1	43	93	45	0	0	0	0	0	0	0	0	1	44	137	182	182	182	182	182
60	0	0	0	0	0	5	23	8	0	0	0	0	0	0	0	0	0	5	28	36	36	36	36	36
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	0	0	0	17	135	272	327	267	100	1	0	0	0	0	0	17	152	424	751	1018	1118	1119	1119	1119

(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

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