

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 1250 ft. Lat: 61.4181° N Lon: 142.9961° W

Station: MCCARTHY 3 SW, AK US USC00505757

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	6.0	-9.1	-1.6	10.6	10.2	10.4	0.0	0.0	0.0	0.0	0.0	0.0	1752.9	1814.9	1907.9	2062.9	0.0	0.0	0.0	29.1	30.9	22.7
02	20.7	-1.3	9.7	6.2	6.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0	1268.5	1324.5	1408.5	1548.5	0.0	0.0	0.0	20.9	27.9	13.5
03	32.9	3.5	18.2	5.5	7.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	1140.7	1202.7	1295.7	1450.7	0.0	0.0	0.5	13.0	31.0	13.7
04	47.7	21.6	34.6	3.8	3.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	610.7	670.7	760.7	910.7	0.0	0.0	12.8	0.8	28.8	1.5
05	62.2	30.9	46.6	4.6	1.3	2.7	3.4	1.1	0.1	0.0	0.0	0.0	265.3	325.1	417.1	572.0	0.0	0.0	28.7	0.0	20.9	0.0
06	69.7	38.9	54.3	2.6	1.3	1.6	46.8	25.0	7.4	0.6	0.1	0.0	67.8	106.0	178.4	321.6	0.0	0.0	30.0	0.0	5.6	0.0
07	71.4	43.3	57.3	2.7	1.8	1.7	91.8	51.4	15.6	0.5	0.0	0.0	18.9	40.5	97.7	237.6	0.0	0.0	31.0	0.0	0.8	0.0
08	66.8	40.2	53.5	3.5	1.3	2.0	35.9	17.3	4.4	0.1	0.0	0.0	82.5	125.8	206.0	356.6	0.0	0.0	30.9	0.0	5.3	0.0
09	55.5	33.1	44.3	3.2	2.9	2.5	0.6	0.1	0.0	0.0	0.0	0.0	321.6	381.1	471.0	621.0	0.0	0.0	24.4	0.1	16.1	0.0
10	38.6	20.2	29.4	4.0	5.9	4.7	0.1	0.0	0.0	0.0	0.0	0.0	793.8	855.7	948.7	1103.7	0.0	0.0	3.9	7.3	28.4	3.0
11	17.3	2.0	9.7	5.7	8.1	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1360.4	1420.4	1510.4	1660.4	0.0	0.0	0.0	25.5	29.8	15.1
12	9.2	-4.5	2.3	7.6	9.1	8.2	0.0	0.0	0.0	0.0	0.0	0.0	1632.2	1694.2	1787.2	1942.2	0.0	0.0	0.1	28.1	30.8	21.0
Summary	41.5	18.2	29.9	5.0	4.9	4.7	179	95	28	1	0	0	9315	9962	10989	12788	0.0	0.0	162.3	124.8	256.3	90.5

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)									
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount			
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels			
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75	
01	0.93	8.7	3.6	0.3	0.1	0.75	0.86	1.04	
02	1.11	7.1	3.0	0.3	0.1	0.50	0.93	1.50	
03	0.40	4.7	1.2	0.0	0.0	0.06	0.24	0.65	
04	0.31	2.8	0.7	0.2	0.0	0.05	0.20	0.49	
05	0.93	7.0	2.9	0.3	0.0	0.47	0.80	1.28	
06	1.63	11.3	4.7	0.7	0.0	1.00	1.50	2.06	
07	2.45	14.0	7.2	1.1	0.2	1.46	2.32	3.30	
08	2.65	16.4	7.4	1.0	0.3	1.69	2.27	3.56	
09	2.56	15.4	7.3	1.4	0.6	1.69	2.36	3.29	
10	2.22	11.2	4.9	1.0	0.2	0.65	2.11	2.99	
11	1.45	10.1	3.6	0.6	0.2	0.79	1.33	2.02	
12	1.06	9.3	3.2	0.6	0.1	0.37	0.84	1.52	
Summary	17.70	118.0	49.7	7.5	1.8	9.48	15.76	23.70	

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	13.20	8.8	4.5	1.2	0.5	0.1	31.0	31.0	30.6	28.5	10.00	12.40	16.80
02	7.90	6.6	3.1	0.7	0.3	0.0	28.4	28.4	28.4	28.4	2.60	5.20	7.90
03	5.40	4.4	1.6	0.4	0.3	0.0	31.0	31.0	31.0	30.8	0.80	3.80	10.10
04	2.50	2.2	0.8	0.2	0.1	0.0	28.1	25.9	24.3	19.4	0.00	1.20	3.20
05	0.60	0.4	0.2	0.1	0.0	0.0	2.6	1.5	1.0	0.3	0.00	0.00	0.10
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	2.70	1.2	0.8	0.2	0.2	0.0	1.4	0.5	0.3	0.0	0.00	0.00	1.10
10	9.40	5.2	2.7	1.0	0.5	0.0	13.2	8.0	5.5	1.9	2.50	7.00	14.60
11	13.50	9.3	3.9	1.0	0.6	0.2	28.9	24.9	21.8	11.3	5.60	10.30	19.10
12	11.30	8.6	3.6	1.1	0.5	0.0	31.0	30.7	28.3	21.0	5.20	9.30	18.10
Summary	66.5	46.7	21.2	5.9	3.0	0.3	195.6	181.9	171.2	141.6	26.7	49.2	91.0

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0.1	0.0	0.1	25.1	209.2	429.1	537.9	418.5	156.5	15.9	0.2	0.6
45	0.0	0.0	0.0	3.8	87.9	279.8	382.9	265.1	56.6	3.3	0.0	0.0
50	0.0	0.0	0.0	0.2	24.9	142.1	229.3	125.4	9.3	0.7	0.0	0.0
55	0.0	0.0	0.0	0.0	3.4	46.8	91.8	35.9	0.6	0.1	0.0	0.0
60	0.0	0.0	0.0	0.0	0.1	7.4	15.6	4.4	0.0	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.0	0.3	31.0	191.0	295.3	332.4	260.7	98.2	7.8	0.0	0.1

Growing Degree Units (Accumulated Monthly)												
40	0	0	0	25	234	664	1202	1620	1776	1792	1793	1793
45	0	0	0	4	92	372	754	1020	1076	1079	1079	1079
50	0	0	0	0	25	167	396	522	531	532	532	532
55	0	0	0	0	3	50	142	178	178	179	179	179
60	0	0	0	0	0	8	23	28	28	28	28	28
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	0	31	222	518	850	1111	1209	1217	1217	1217

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