

Summary of Monthly Normals
1991-2020

Current Location: Elev: 597 ft. Lat: 64.8603° N Lon: 147.8483° W
Station: COLLEGE OBSY, AK US USC00502107
Generated on 04/28/2024

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	2.2	-11.5	-4.7	8.7	8.2	8.4	0.0	0.0	0.0	0.0	0.0	0.0	1849.0	1911.0	2004.0	2159.0	0.0	0.0	0.0	29.7	31.0	22.5
02	12.0	-5.3	3.3	6.5	6.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0	1446.2	1502.2	1586.2	1726.2	0.0	0.0	0.0	25.7	28.0	17.0
03	23.6	0.7	12.2	7.1	7.8	7.4	0.0	0.0	0.0	0.0	0.0	0.0	1328.2	1390.2	1483.2	1638.2	0.0	0.0	0.5	21.5	31.0	14.5
04	44.0	21.7	32.9	5.3	4.7	4.9	0.5	0.2	0.1	0.0	0.0	0.0	665.0	724.7	814.6	964.5	0.0	0.0	10.6	4.8	26.7	1.7
05	60.3	36.8	48.6	4.4	3.0	3.6	22.6	12.8	4.6	0.5	0.0	0.0	222.5	274.8	359.6	510.4	0.0	0.0	27.0	0.1	8.8	0.0
06	70.1	47.9	59.0	2.7	1.8	2.0	152.0	111.4	64.5	18.5	3.2	1.4	32.1	51.4	94.5	198.6	0.0	0.1	29.9	0.0	0.2	0.0
07	71.3	51.0	61.2	2.8	1.7	2.1	204.2	153.2	88.3	23.2	2.8	0.9	13.6	24.5	52.7	142.6	0.0	0.0	31.0	0.0	0.0	0.0
08	65.1	45.6	55.3	3.4	2.4	2.7	79.0	51.3	23.5	4.8	0.6	0.2	68.2	102.5	167.7	304.0	0.0	0.1	30.7	0.0	0.7	0.0
09	53.8	34.5	44.1	4.4	3.5	3.8	3.2	1.0	0.2	0.0	0.0	0.0	328.7	386.5	475.7	625.5	0.0	0.0	21.1	0.5	11.8	0.0
10	33.2	18.2	25.7	5.6	6.3	5.8	0.3	0.1	0.0	0.0	0.0	0.0	908.5	970.4	1063.3	1218.3	0.0	0.0	2.7	14.1	29.3	2.8
11	12.1	-0.9	5.6	6.9	7.4	7.1	0.0	0.0	0.0	0.0	0.0	0.0	1481.9	1541.9	1631.9	1781.9	0.0	0.0	0.0	27.9	30.0	15.1
12	5.0	-8.0	-1.5	6.7	6.8	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1751.5	1813.5	1906.5	2061.5	0.0	0.0	0.0	29.8	31.0	22.8
Summary	37.7	19.2	28.5	5.4	5.0	5.1	462	330	181	47	7	2	10095	10694	11640	13331	0.0	0.2	153.5	154.1	228.5	96.4

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	0.66	8.8	2.2	0.1	0.0	0.35	0.45	0.90	
02	0.57	7.5	1.8	0.1	0.0	0.26	0.37	0.81	
03	0.45	5.7	1.1	0.1	0.0	0.15	0.27	0.48	
04	0.37	4.1	1.3	0.1	0.0	0.07	0.16	0.46	
05	0.61	6.8	2.1	0.1	0.0	0.23	0.54	0.84	
06	1.92	12.1	5.0	1.1	0.1	1.09	1.94	2.55	
07	2.49	14.4	6.9	1.1	0.1	1.39	2.14	3.33	
08	2.37	16.0	7.0	0.9	0.1	1.72	2.19	2.99	
09	1.56	12.3	4.9	0.5	0.0	0.98	1.51	1.86	
10	0.87	9.7	3.1	0.1	0.0	0.48	0.74	1.15	
11	0.83	9.8	2.7	0.2	0.0	0.34	0.66	1.35	
12	0.64	9.0	2.0	0.1	0.0	0.36	0.62	0.80	
Summary	13.34	116.2	40.1	4.5	0.3	7.42	11.59	17.52	

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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	10.40	10.1	3.1	0.8	0.2	0.0	30.9	30.9	30.7	29.3	5.10	8.40	12.70
02	9.90	8.5	3.0	0.6	0.2	0.1	28.5	28.5	28.5	28.2	3.00	7.70	14.80
03	7.10	6.8	2.2	0.5	0.1	0.0	31.0	31.0	31.0	30.6	2.90	4.20	7.70
04	3.60	3.2	1.2	0.2	0.1	0.0	21.9	21.0	20.0	15.6	0.60	2.00	4.10
05	0.80	0.7	0.3	0.0	0.0	0.0	1.4	1.3	1.2	0.6	0.00	0.00	0.20
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	2.30	1.0	0.5	0.2	0.1	0.0	1.4	1.0	0.8	0.2	0.00	0.00	1.60
10	7.50	8.7	3.4	0.4	0.0	0.0	17.3	11.8	6.6	0.9	4.70	6.30	9.30
11	11.20	11.3	4.6	0.9	0.2	0.0	29.2	27.6	22.5	9.6	4.20	8.80	17.20
12	11.50	10.7	3.4	0.7	0.1	0.1	30.9	30.9	29.7	22.9	3.90	10.40	13.50
Summary	64.3	61.0	21.7	4.3	1.0	0.2	192.5	184.0	171.0	137.9	24.4	47.8	81.1

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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	0.0	0.0	0.1	43.0	283.3	569.8	655.4	475.7	173.6	10.6	0.0	0.0
45	0.0	0.0	0.0	13.8	159.0	421.1	500.7	323.3	79.2	2.8	0.0	0.0
50	0.0	0.0	0.0	3.5	70.5	277.2	348.0	182.5	23.5	0.9	0.0	0.0
55	0.0	0.0	0.0	0.5	22.6	152.0	204.2	79.0	3.2	0.3	0.0	0.0
60	0.0	0.0	0.0	0.1	4.6	64.5	88.3	23.5	0.2	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.0	0.0	0.4	33.0	172.5	323.4	367.5	245.3	91.8	6.2	0.0	0.0

Growing Degree Units (Accumulated Monthly)												
40	0	0	0	43	326	896	1552	2027	2201	2212	2212	2212
45	0	0	0	14	173	594	1095	1418	1497	1500	1500	1500
50	0	0	0	4	74	351	699	882	905	906	906	906
55	0	0	0	0	23	175	379	458	461	462	462	462
60	0	0	0	0	5	69	158	181	181	181	181	181
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	0	33	206	529	897	1142	1234	1240	1240	1240

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