

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 272 ft. Lat: 60.9583° N Lon: 149.1108° W
Station: **ALYESKA, AK US USC00500243**

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	27.1	16.8	22.0	6.8	7.4	7.1	0.0	0.0	0.0	0.0	0.0	0.0	1024.5	1086.5	1179.5	1334.5	0.0	0.0	0.1	17.6	26.8	4.9
02	31.4	19.3	25.4	4.9	6.3	5.6	0.0	0.0	0.0	0.0	0.0	0.0	830.3	886.3	970.3	1110.3	0.0	0.0	0.2	12.3	24.3	2.4
03	35.7	19.5	27.6	4.1	6.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0	849.3	911.3	1004.3	1159.3	0.0	0.0	0.3	9.4	28.1	1.3
04	45.5	28.7	37.1	2.3	3.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	537.0	597.0	687.0	837.0	0.0	0.0	7.0	0.6	20.8	0.0
05	55.4	37.0	46.2	3.5	2.1	2.7	3.0	0.9	0.0	0.0	0.0	0.0	275.8	335.7	427.8	582.8	0.0	0.0	23.8	0.0	4.7	0.0
06	63.8	44.7	54.2	2.6	1.5	1.9	47.8	26.9	9.8	1.1	0.0	0.0	70.3	109.4	182.3	323.6	0.0	0.0	29.7	0.0	0.0	0.0
07	66.5	49.6	58.1	2.8	1.9	2.3	109.9	67.5	27.4	3.4	0.3	0.1	15.3	34.9	87.8	218.9	0.0	0.0	31.0	0.0	0.0	0.0
08	64.5	47.6	56.0	3.3	2.1	2.4	67.8	38.2	13.9	1.2	0.0	0.0	35.3	67.7	136.3	278.7	0.0	0.0	30.9	0.0	0.1	0.0
09	56.3	40.8	48.5	2.4	3.0	2.4	3.3	0.9	0.0	0.0	0.0	0.0	196.8	254.4	343.5	493.5	0.0	0.0	26.1	0.0	2.9	0.0
10	44.4	31.5	38.0	3.5	4.3	3.8	0.1	0.0	0.0	0.0	0.0	0.0	528.7	590.6	683.5	838.5	0.0	0.0	7.0	2.0	16.3	0.0
11	32.7	22.2	27.4	5.5	6.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	826.4	886.4	976.4	1126.4	0.0	0.0	0.1	12.5	24.2	0.9
12	29.4	19.2	24.3	5.0	5.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0	951.7	1013.7	1106.7	1261.7	0.0	0.0	0.0	16.2	26.8	2.2
Summary	46.1	31.4	38.7	3.9	4.1	3.9	232	134	51	6	0	0	6141	6774	7785	9565	0.0	0.0	156.2	70.6	175.0	11.7

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	7.34	18.9	12.0	4.6	2.0	4.14	5.47	9.78	
02	6.57	17.7	11.5	4.1	1.9	3.51	6.04	8.48	
03	5.37	15.9	10.2	3.7	1.3	2.66	4.33	7.62	
04	5.25	15.9	9.9	3.6	1.4	3.70	4.84	6.79	
05	3.99	14.2	7.6	2.6	0.8	2.42	3.22	4.81	
06	2.21	11.9	5.6	1.0	0.3	1.24	2.04	2.90	
07	2.66	14.4	7.5	1.2	0.2	1.86	2.41	3.56	
08	4.86	16.8	10.5	3.4	0.7	2.76	4.83	6.51	
09	8.26	19.6	13.5	5.9	2.6	6.30	7.72	10.39	
10	7.78	18.8	12.1	4.6	2.1	5.84	6.64	9.04	
11	7.65	18.3	11.8	4.9	2.3	3.95	7.86	9.70	
12	8.98	21.8	14.5	5.5	2.5	5.72	8.86	12.01	
Summary	70.92	204.2	126.7	45.1	18.1	44.10	64.26	91.59	

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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	37.40	11.0	9.3	4.9	2.5	0.7	29.8	28.4	27.2	25.1	18.70	26.70	47.30
02	36.60	10.7	9.0	4.9	2.6	0.6	27.3	26.7	25.8	24.6	23.30	36.10	48.70
03	37.50	9.9	8.4	4.6	2.5	1.0	29.3	28.9	28.2	27.7	19.00	36.10	50.20
04	9.60	3.9	2.8	1.5	0.7	0.1	24.9	24.4	24.0	22.2	2.50	7.40	15.80
05	1.20	0.4	0.2	0.2	0.1	0.0	4.7	4.3	3.9	3.2	0.00	0.00	0.00
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	0.00	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	8.10	2.7	2.2	1.1	0.5	0.2	6.3	3.8	3.2	1.6	0.10	3.50	12.10
11	29.90	9.3	7.7	4.1	2.2	0.4	21.1	18.4	16.2	10.7	11.00	29.30	42.10
12	54.20	14.0	12.0	6.9	3.7	1.2	28.0	26.2	24.5	22.0	28.00	40.00	70.90
Summary	214.5	62.0	51.6	28.2	14.8	4.2	171.4	161.1	153.0	137.1	102.6	179.1	287.1

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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	1.5	1.3	0.9	26.4	197.7	427.5	559.5	497.5	262.0	56.1	5.3	1.3
45	0.4	0.2	0.0	3.6	81.4	278.6	404.5	343.1	129.6	12.6	0.2	0.0
50	0.0	0.0	0.0	0.3	21.9	141.8	250.0	191.6	35.5	1.6	0.0	0.0
55	0.0	0.0	0.0	0.0	3.0	47.8	109.9	67.8	3.3	0.1	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	9.8	27.4	13.9	0.0	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.3	0.2	0.4	12.9	96.9	209.8	273.8	235.2	101.6	12.0	0.1	0.0

Growing Degree Units (Accumulated Monthly)												
40	2	3	4	30	228	655	1215	1712	1974	2030	2036	2037
45	0	1	1	4	86	364	769	1112	1241	1254	1254	1254
50	0	0	0	0	22	164	414	606	641	643	643	643
55	0	0	0	0	3	51	161	228	232	232	232	232
60	0	0	0	0	0	10	37	51	51	51	51	51
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	1	14	111	320	594	830	931	943	943	943

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