

Summary of Monthly Normals
1991-2020

Generated on 04/26/2024

Current Location: Elev: 60 ft. Lat: 60.7764° N Lon: 148.6858° W
Station: WHITTIER, AK US USC00509829

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	32.6	23.9	28.2	4.6	5.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	829.2	891.2	984.2	1139.2	0.0	0.0	0.1	11.6	23.8	0.1
02	33.3	25.2	29.2	3.1	3.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	721.0	777.0	861.0	1001.0	0.0	0.0	0.0	8.7	20.5	0.3
03	35.7	26.8	31.2	3.4	4.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	736.2	798.1	891.1	1046.2	0.0	0.0	0.0	7.1	22.4	0.0
04	43.8	33.3	38.6	2.3	1.4	1.7	0.2	0.1	0.1	0.0	0.0	0.0	493.7	553.6	643.6	793.5	0.0	0.0	4.7	0.5	8.7	0.0
05	53.1	40.6	46.8	3.1	1.7	2.3	6.3	3.1	0.7	0.0	0.0	0.0	259.0	317.8	408.3	562.7	0.0	0.0	20.9	0.0	0.2	0.0
06	61.1	47.1	54.1	2.4	1.3	1.8	46.4	26.2	9.8	1.4	0.2	0.0	73.5	113.2	186.9	328.5	0.0	0.0	28.3	0.0	0.0	0.0
07	63.4	51.1	57.2	2.6	1.7	2.1	91.5	56.3	23.8	5.4	0.7	0.1	21.7	48.6	109.1	245.6	0.0	0.0	31.0	0.0	0.0	0.0
08	61.5	50.7	56.1	2.8	1.8	2.1	67.6	39.9	15.1	1.7	0.0	0.0	33.6	67.9	136.1	277.7	0.0	0.0	31.0	0.0	0.0	0.0
09	54.2	44.7	49.5	2.0	2.0	1.8	5.5	1.8	0.2	0.0	0.0	0.0	172.0	228.4	316.7	466.5	0.0	0.0	24.3	0.0	0.3	0.0
10	44.0	36.1	40.1	2.6	3.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	463.4	525.4	618.4	773.4	0.0	0.0	3.8	1.2	7.1	0.0
11	36.5	28.5	32.5	3.9	4.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	675.0	734.9	824.9	975.0	0.0	0.0	0.2	7.3	19.8	0.0
12	33.9	25.2	29.6	2.4	3.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	788.9	850.9	943.9	1098.9	0.0	0.0	0.0	10.2	24.3	0.0
Summary	46.1	36.1	41.1	2.9	2.8	2.8	218	127	50	8	1	0	5267	5907	6924	8708	0.0	0.0	144.3	46.6	127.1	0.4

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	18.82	17.6	15.3	10.2	6.2	11.13	16.23	21.93	
02	16.15	16.7	14.9	10.2	6.2	10.07	15.96	20.43	
03	13.65	16.3	14.9	9.7	5.9	7.95	11.19	16.72	
04	14.71	16.4	14.6	10.4	6.5	9.89	13.69	20.35	
05	14.93	14.7	13.1	8.0	5.7	8.11	12.17	18.75	
06	9.21	14.5	11.7	6.2	3.1	6.31	9.53	10.65	
07	11.19	17.9	14.2	7.8	3.9	7.42	11.22	13.87	
08	16.52	17.2	15.3	9.2	5.1	9.19	16.52	23.07	
09	22.52	18.4	16.6	12.0	8.2	15.44	21.56	26.80	
10	21.05	19.5	17.0	11.7	7.6	15.91	20.33	26.81	
11	18.75	18.3	16.3	11.0	7.5	8.54	17.40	23.85	
12	19.81	20.2	18.0	12.7	8.1	15.27	20.27	24.84	
Summary	197.31	207.7	181.9	119.1	74.0	125.23	186.07	248.07	

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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	50.00	11.0	9.3	5.5	3.3	1.2	30.8	30.3	29.0	25.7	27.50	45.30	56.90
02	44.80	10.0	8.7	4.8	2.8	1.3	28.4	27.4	27.0	26.0	20.30	47.50	54.80
03	55.10	10.2	9.2	6.1	3.5	1.6	31.0	30.4	30.3	28.7	33.30	51.40	59.50
04	15.90	4.1	3.6	1.8	1.4	0.3	29.6	29.3	28.5	27.1	3.90	13.60	19.50
05	1.80	0.5	0.3	0.1	0.1	0.0	21.9	20.4	19.1	15.3	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	2.7	2.1	1.6	0.8	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	5.90	2.0	1.7	0.7	0.4	0.1	4.1	1.5	1.3	0.3	0.20	2.50	7.40
11	33.30	8.5	7.6	4.5	2.2	0.6	19.8	14.8	12.2	7.4	18.40	26.90	47.60
12	61.40	12.2	10.5	6.3	4.5	1.7	29.0	25.4	24.0	19.8	27.00	46.40	89.20
Summary	268.2	58.5	50.9	29.8	18.2	6.8	197.3	181.6	173.0	151.1	130.6	233.6	334.9

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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	0.9	0.4	0.8	36.2	216.6	423.0	534.7	499.1	285.4	65.1	4.5	1.5
45	0.0	0.0	0.0	6.9	94.6	274.1	379.7	344.1	146.0	11.0	0.0	0.0
50	0.0	0.0	0.0	1.3	28.8	138.0	225.6	190.0	43.4	0.5	0.0	0.0
55	0.0	0.0	0.0	0.2	6.3	46.4	91.5	67.6	5.5	0.0	0.0	0.0
60	0.0	0.0	0.0	0.1	0.7	9.8	23.8	15.1	0.2	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.1	0.0	0.0	6.8	71.1	177.3	236.6	204.8	73.8	4.1	0.1	0.0
Growing Degree Units (Accumulated Monthly)												
40	1	1	2	38	255	678	1213	1712	1997	2062	2067	2068
45	0	0	0	7	102	376	755	1099	1245	1256	1256	1256
50	0	0	0	1	30	168	394	584	627	628	628	628
55	0	0	0	0	6	53	144	212	218	218	218	218
60	0	0	0	0	1	11	34	50	50	50	50	50
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	0	0	7	78	255	492	697	770	775	775	775

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