

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 75 ft. Lat: 42.0475° N Lon: 71.0081° W
Station: BROCKTON, MA US USC00190860

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	38.7	20.6	29.6	4.1	4.7	4.3	0.4	0.3	0.1	0.0	0.0	0.0	786.1	848.0	940.7	1095.7	0.0	0.0	4.9	8.9	27.2	1.6
02	40.8	22.0	31.4	4.3	4.6	4.3	0.4	0.1	0.0	0.0	0.0	0.0	661.2	716.9	800.8	940.8	0.0	0.0	5.5	5.9	25.0	0.9
03	48.0	28.7	38.3	3.4	3.3	3.2	4.6	3.0	1.6	0.4	0.1	0.0	520.7	581.1	672.7	826.5	0.0	0.0	12.2	1.6	22.6	0.1
04	59.0	38.0	48.5	3.0	2.0	2.3	33.0	22.6	12.4	3.6	0.7	0.2	228.0	277.6	357.4	498.6	0.0	0.1	24.8	0.0	8.4	0.0
05	69.7	47.4	58.5	3.2	2.2	2.5	155.6	118.1	74.1	29.0	7.6	4.0	45.6	70.0	119.1	228.9	0.0	0.9	30.6	0.0	0.6	0.0
06	78.3	57.1	67.7	2.3	1.8	1.7	383.5	326.4	244.9	129.5	52.4	32.7	2.5	5.4	14.0	48.5	0.0	2.8	30.0	0.0	0.0	0.0
07	84.2	63.4	73.8	2.6	2.6	2.4	582.8	520.7	427.8	276.5	144.8	102.9	0.0	0.0	0.1	3.8	0.3	6.4	31.0	0.0	0.0	0.0
08	82.9	62.0	72.4	2.2	2.1	2.0	540.9	478.9	386.2	238.4	116.0	79.4	0.0	0.0	0.4	7.5	0.1	4.6	31.0	0.0	0.0	0.0
09	75.3	54.2	64.8	2.2	2.4	2.1	301.1	248.2	176.9	85.5	30.9	18.5	8.6	15.7	34.5	93.0	0.0	0.7	30.0	0.0	0.1	0.0
10	64.0	43.0	53.5	2.5	2.8	2.4	77.5	54.6	30.7	9.3	1.4	0.4	124.0	163.1	232.1	365.8	0.0	0.0	29.6	0.0	4.6	0.0
11	53.5	34.2	43.8	3.7	2.9	3.2	14.1	8.8	3.8	0.5	0.0	0.0	348.6	403.3	488.3	635.0	0.0	0.0	19.3	0.3	15.6	0.0
12	43.7	26.4	35.0	3.9	3.7	3.7	1.2	0.5	0.1	0.0	0.0	0.0	619.6	680.9	773.5	928.4	0.0	0.0	8.2	3.5	24.7	0.1
Summary	61.5	41.4	51.4	3.1	2.9	2.8	2095	1782	1359	773	354	238	3345	3762	4434	5672	0.4	15.5	257.1	20.2	128.8	2.7

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	4.02	11.0	7.1	3.0	1.1	2.66	3.76	4.59	
02	3.62	10.7	6.8	2.4	0.8	2.37	3.38	4.37	
03	5.23	12.0	7.3	3.3	1.4	3.46	4.87	6.30	
04	4.53	12.3	7.6	3.4	1.3	2.51	4.61	6.03	
05	3.44	12.8	7.1	2.2	0.7	2.42	3.16	3.84	
06	4.13	11.4	6.5	2.4	1.2	1.79	3.14	5.05	
07	3.17	9.7	6.3	2.1	0.7	2.03	2.47	3.89	
08	3.60	9.3	5.5	2.2	1.1	1.85	3.47	4.95	
09	4.08	9.4	6.5	2.7	1.2	2.31	3.26	5.04	
10	4.96	11.4	7.3	3.2	1.8	2.31	5.00	6.45	
11	4.39	11.0	7.1	3.2	1.3	3.07	3.89	5.28	
12	5.06	12.3	8.0	3.2	1.4	3.07	4.80	6.38	
Summary	50.23	133.3	83.1	33.3	14.0	29.85	45.81	62.17	

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

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	9.10	2.2	1.9	1.1	0.7	0.1	9.7	6.7	4.4	2.4	2.20	3.30	17.90
02	12.80	2.3	2.0	1.3	0.8	0.3	9.0	6.8	5.2	2.7	0.00	5.50	22.00
03	6.90	1.5	1.3	0.9	0.4	0.1	6.1	4.2	3.0	1.0	0.00	3.00	9.00
04	0.70	0.2	0.2	0.1	0.0	0.0	0.4	0.3	0.2	0.1	0.00	0.00	0.00
05	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
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.20	0.1	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
12	4.50	1.4	1.3	0.7	0.2	0.1	4.9	2.8	1.9	0.8	0.00	3.20	8.00
Summary	34.3	7.7	6.8	4.1	2.1	0.6	30.3	20.8	14.7	7.0	2.2	15.0	56.9

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151 Patton Avenue
Asheville, North Carolina 28801

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	22.6	23.3	78.9	267.8	575.0	831.0	1047.7	1005.9	742.5	420.6	167.1	51.3
45	7.5	7.1	33.6	153.4	420.8	681.0	892.7	850.9	592.6	278.7	86.6	20.7
50	1.5	1.7	13.0	75.8	275.4	531.3	737.7	695.9	443.6	161.0	38.6	6.4
55	0.4	0.4	4.6	33.0	155.6	383.5	582.8	540.9	301.1	77.5	14.1	1.2
60	0.1	0.0	1.6	12.4	74.1	244.9	427.8	386.2	176.9	30.7	3.8	0.1
Growing Degree Units for Corn (Monthly)												
50/86	13.8	14.8	49.2	154.1	329.6	530.2	710.8	677.2	466.8	239.3	89.8	25.8
Growing Degree Units (Accumulated Monthly)												
40	23	46	125	393	968	1799	2846	3852	4595	5015	5182	5234
45	8	15	48	202	622	1303	2196	3047	3640	3918	4005	4026
50	2	3	16	92	367	899	1636	2332	2776	2937	2976	2982
55	0	1	5	38	194	578	1160	1701	2002	2080	2094	2095
60	0	0	2	14	88	333	761	1147	1324	1355	1359	1359
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	14	29	78	232	562	1092	1802	2480	2946	3186	3276	3301

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