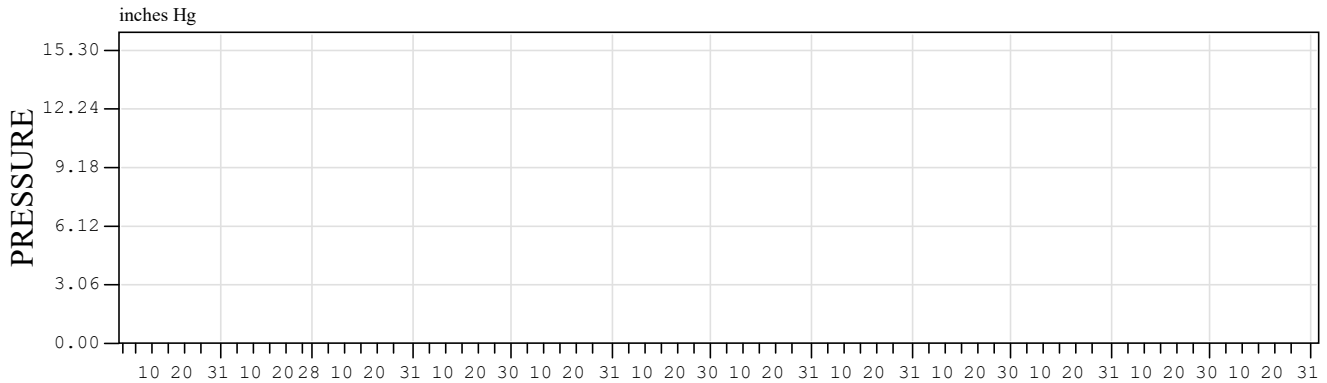
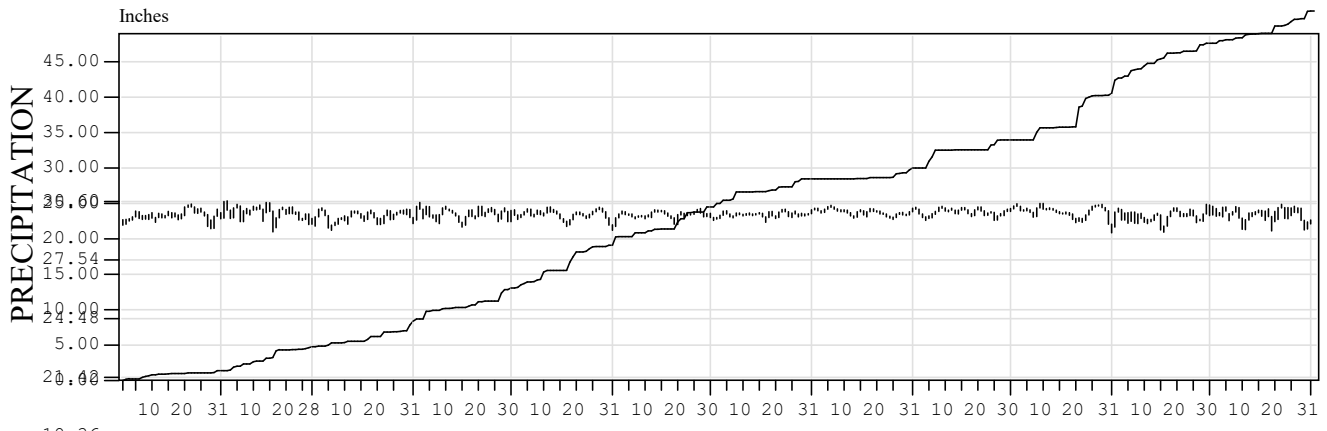
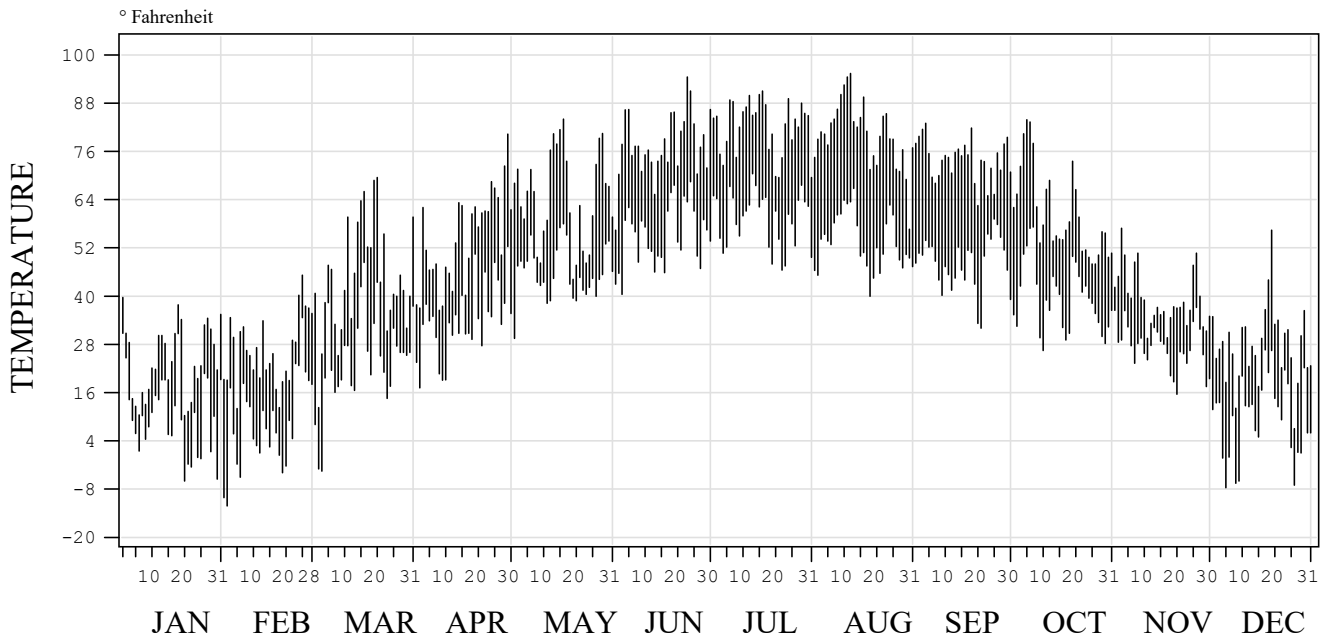


2025

LOCAL CLIMATOLOGICAL DATA

Annual Summary with Comparative Data
Westford
Daily Data



METEOROLOGICAL DATA FOR 2025

Westford

Latitude: 44° 37' 38" N Longitude: 73° 02' 30" W Elevation (Ground): 850 feet Time Zone: Eastern

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
TEMPERATURE													
Average													
-Daily Maximum	24.1	26.6	44.5	54.5	64.7	77.7	82.2	80.3	73.9	60.6	39.4	27.8	54.7
-Daily Minimum	10.3	8.3	24.2	33.8	45.7	54.9	59.1	53.5	48.1	39.5	27.3	9.6	34.5
-Monthly	17.2	17.5	34.3	44.1	55.2	66.3	70.7	66.9	61.0	50.0	33.3	18.7	44.6
-Monthly Dew Point	11.0	11.9	25.3	33.6	48.2	58.6	64.3	57.9	53.2	42.4	29.0	13.7	37.4
Extremes													
-Highest	39.8	45.2	69.5	80.3	84.0	94.5	91.1	95.4	83.1	83.9	56.9	56.4	95.4
-Date	1	25	20	29	16	23	16	12	4	5	3	19	Aug 12
-Lowest	-6.0	-12.2	-3.6	17.3	29.5	40.6	46.5	40.1	32.1	26.5	0.0	-7.7	-12.2
-Date	20	2	3	2	1	3	22	18	21	10	8	5	Feb 2
DEGREE DAYS													
Heating Base 65°F	1472	1323	941	620	306	59	16	55	123	468	943	1424	7750
Cooling Base 65°F	0	0	0	1	10	105	201	123	10	13	0	0	463
SOLAR RADIATION (W/m²)													
	42.4	66.9	113.5	157.4	156.9	222.7	220.1	206.1	159.0	93.7	30.9	28.1	124.8
NUMBER OF DAYS													
Sunrise to Sunset													
-Clear	6	5	6	5	5	5	9	16	17	11	1	4	90
-Partly Cloudy	8	10	9	13	6	17	14	11	9	8	6	9	120
-Cloudy	17	13	16	12	20	6	8	4	4	12	22	18	152
Precipitation													
.01 inches or more	17	18	16	16	21	12	14	9	11	15	22	21	192
Snow, Ice pellets													
1.0 inches or more	11	11	4	1	0	0	0	0	0	0	5	11	43
Thunderstorms	0	0	0	1	2	3	5	1	0	2	0	0	14
Heavy Fog, visibility													
¼ mile or less	0	0	0	0	0	0	0	0	0	0	0	0	0
TEMPERATURE:													
-Maximum													
90°F and above	0	0	0	0	0	2	3	5	0	0	0	0	10
32°F and below	25	21	6	0	0	0	0	0	0	0	4	24	80
-Minimum													
32°F and below	31	27	25	12	1	0	0	0	1	8	26	31	162
0°F and below	6	6	2	0	0	0	0	0	0	0	0	6	20
PRESSURE													
Average													
-Monthly	29.863	30.014	29.816	29.961	29.904	29.906	29.918	30.043	30.042	30.058	29.837	29.833	29.933
Extremes													
-Highest	30.47	30.63	30.27	30.55	30.32	30.24	30.21	30.40	30.35	30.50	30.46	30.44	30.63
-Date	22	2	3	2	12	27	23	6	9	10	29	22	Feb 2
-Lowest	29.18	29.01	29.11	29.27	29.10	29.30	29.52	29.67	29.61	28.98	0.00	0.00	0.00
-Date	28	16	6	15	31	1	17	25	25	31	8	5	Nov 8
RELATIVE HUMIDITY (%)													
Average													
-Monthly	77.0	77.2	71.5	70.0	80.9	78.6	82.4	77.8	81.0	80.5	84.0	78.1	78.3
Local Time													
Hour 00	79	82	77	76	87	86	89	88	89	87	87	81	84
Hour 06	82	83	78	81	90	89	92	91	92	89	86	81	86
Hour 12	71	69	65	62	74	71	74	64	66	70	78	74	70
Hour 18	78	76	66	61	73	69	74	66	75	79	85	78	73
PRECIPITATION													
Water Equivalent													
-Total	0.48	3.39	3.60	4.38	7.18	4.24	3.99	1.50	4.00	6.34	5.22	4.52	48.84
-Greatest (24 hrs)	0.00	0.00	0.00	1.26	1.21	1.45	0.97	0.55	1.60	2.97	0.90	0.00	2.97
-Date	1	1	1	26-27	17-18	19-20	7	24-25	4- 5	20-21	5- 6	1	Oct 20-21
Snow, Ice pellets													
-Total	28.3	36.1	15.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	13.6	28.0	122.7
-Greatest (day)	5.0	8.2	8.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	4.7	8.2
-Date	9	16	29	16							10	2	Feb 16
WIND													
Resultant													
-Direction	229	228	213	225	218	210	210	213	210	204	225	211	218
-Speed	2.5	2.0	2.6	2.2	0.9	1.0	0.6	0.5	0.4	0.8	2.4	2.6	1.5
Average Speed	3.5	2.9	3.9	3.5	1.5	1.3	0.9	0.8	0.7	1.3	3.2	3.5	2.2
Maximum Two-minute													
Average													
-Direction	WSW	WSW	WSW	W	SW	WSW	W	W	W	SSW	WSW	W	W
-Speed	19	19	18	18	14	12	13	10	12	13	18	21	21
-Date	2	17	22	22	17	20	3	26	6	31	26	20	Dec 20
Peak Gust													
-Direction	SSE	W	SSE	SSE	WSW	SSE	WSW	SSE	W	W	W	SSE	SSE
-Speed	38	34	44	37	29	31	29	21	32	30	31	35	44
-Date	18	7	16	29	17	28	3	23	6	31	26	19	Mar 16

MEANS AND EXTREMES*

Westford

Latitude: 44° 37' 38" N Longitude: 73° 02' 30" W Elevation (Ground): 850 feet Time Zone: Eastern

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
TEMPERATURE													
Average													
-Daily Maximum	25.3	30.2	40.9	51.9	67.0	75.6	81.3	79.4	68.7	57.6	42.8	32.7	54.4
-Daily Minimum	8.6	11.5	22.3	32.6	44.7	52.7	58.4	56.5	47.7	38.7	27.9	17.4	34.9
-Monthly	17.0	20.8	31.6	42.3	55.9	64.2	69.8	68.0	58.2	48.1	35.3	25.0	44.7
-Monthly Dew Point	12.3	14.9	22.6	31.2	44.9	56.1	62.7	61.2	53.0	41.7	29.5	20.5	37.5
Extremes													
-Record Highest	57.3	65.7	71.2	80.3	91.8	94.5	93.5	95.4	89.0	83.9	71.4	62.1	95.4
-Year	2018	2018	2021	2025	2020	2025	2018	2025	2018	2025	2022	2020	Aug 2025
-Record Lowest	-19.2	-12.2	-5.1	15.1	28.1	33.2	45.2	40.1	0.0	0.0	-2.7	-7.7	-19.2
-Year	2018	2025	2022	2018	2020	2020	2022	2025	2019	2019	2018	2024	Jan 2018
MEAN DEGREE DAYS													
Heating Base 65°F	1482	1236	1027	674	299	90	15	29	187	506	882	1229	7655
Cooling Base 65°F	0	0	0	0	27	75	166	129	23	3	0	0	423
MEAN SOLAR RADIATION	31.1	60.2	105.6	129.8	166.5	186.9	179.7	191.2	142.6	83.3	41.9	30.3	112.4
MEAN NUMBER OF DAYS													
Sunrise to Sunset													
-Clear	4.2	4.3	5.7	4.3	5.3	6.3	6.3	10.0	7.7	6.9	3.4	2.9	67.4
-Partly Cloudy	5.2	6.7	7.3	8.3	8.8	11.7	13.2	14.0	11.0	9.1	7.0	9.3	111.6
-Cloudy	16.5	12.3	12.5	12.2	11.5	6.7	6.0	6.0	7.9	13.3	19.4	18.7	143.0
Precipitation ≥ .01"													
Snow, Ice plmts. ≥ 1.0"	13.8	11.2	12.3	17.3	15.2	14.2	13.7	14.7	12.0	17.7	17.4	18.3	177.8
Thunderstorms	7.0	5.5	2.2	1.2	0.2	0.0	0.0	0.0	0.0	0.1	3.4	6.1	25.7
Heavy Fog, vis. ≤ ¼ mi	0.0	0.2	0.3	0.5	2.2	2.8	3.8	4.7	1.4	1.0	0.0	0.0	16.9
	0.3	0.2	0.2	0.5	0.7	0.3	0.3	0.3	0.3	0.1	0.4	0.4	4.1
TEMPERATURE:													
-Maximum													
90°F and above	0.0	0.0	0.0	0.0	0.3	1.5	2.0	1.7	0.0	0.0	0.0	0.0	5.5
32°F and below	23.2	16.3	8.0	0.5	0.0	0.0	0.0	0.0	0.6	0.4	5.1	16.1	70.3
-Minimum													
32°F and below	30.3	26.8	25.2	15.5	2.7	0.0	0.0	0.0	1.3	7.4	21.7	27.9	158.8
0°F and below	9.8	6.2	0.8	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.1	2.3	20.3
PRESSURE													
Average													
-Monthly	30.006	30.055	29.966	29.898	29.946	29.881	29.903	29.944	30.026	29.533	29.975	29.992	29.927
Extremes													
-Record Highest	30.83	30.81	30.75	30.55	30.46	30.45	30.31	30.40	30.62	30.62	30.68	30.95	30.95
-Year	2018	2018	2020	2025	2019	2020	2018	2025	2020	2022	2022	2024	Dec 2024
-Record Lowest	28.93	28.90	29.11	29.01	29.10	29.30	29.41	29.28	0.00	0.00	0.00	0.00	0.00
-Year	2022	2020	2025	2020	2025	2025	2020	2020	2019	2019	2025	2025	Sep 2019
RELATIVE HUMIDITY (%)													
Average													
-Monthly	80.6	76.4	70.8	69.3	70.5	77.3	80.6	82.9	82.0	80.6	79.8	81.3	77.7
-Local Time													
Hour 00	69	66	62	63	67	72	75	92	88	88	83	83	76
Hour 06	70	68	65	66	71	76	78	94	89	90	85	84	78
Hour 12	63	57	52	50	51	56	59	71	72	71	73	76	63
Hour 18	67	63	53	49	51	55	60	74	79	80	79	81	66
PRECIPITATION													
Water Equivalent													
-Mean	2.25	2.43	2.36	4.20	4.87	3.92	3.89	4.44	3.99	5.58	4.16	3.09	45.19
-Maximum Monthly	5.28	3.39	3.60	5.64	7.18	5.39	4.84	6.88	8.74	9.55	5.45	4.52	9.55
-Year	2019	2025	2025	2022	2025	2022	2021	2020	2022	2019	2018	2025	Oct 2019
-Minimum Monthly	0.00	0.00	0.85	2.13	2.08	2.67	1.51	1.50	2.24	3.50	2.14	1.36	0.00
-Year			2018	2020	2021	2020	2018	2025	2024	2024	2024	2020	
-Greatest (24 hrs)	0.00	0.00	0.71	1.26	2.53	1.53	1.85	2.51	3.17	3.08	1.56	0.15	3.17
-Year			2021	2025	2020	2022	2019	2020	2022	2019	2019	2020	Sep 2022
Snow, Ice pellets													
-Mean	23.2	21.6	9.0	3.2	0.5	0.0	0.0	0.0	0.0	0.1	10.5	16.3	84.5
-Maximum Monthly	47.8	36.1	19.2	9.3	3.0	0.0	0.0	0.0	0.0	1.0	27.5	28.0	47.8
-Year	2019	2025	2019	2021	2020					2024	2018	2025	Jan 2019
-Minimum Monthly	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	9.9	0.0
-Year										2024	2018	2018	
-Greatest (day)	12.0	15.0	8.1	4.7	2.5	0.0	0.0	0.0	0.0	1.0	9.0	4.7	15.0
-Year	2019	2020	2025	2022	2020					2024	2018	2025	Feb 2020
WIND													
Resultant													
-Direction	221	214	213	231	221	210	211	209	208	205	218	205	214
-Speed	1.9	2.1	2.5	2.0	1.0	1.0	0.7	0.5	0.5	1.1	2.2	2.4	1.5
Average Speed	2.2	2.6	3.1	2.6	1.6	1.0	0.7	0.7	0.9	1.9	3.3	3.2	2.0
Maximum Two-minute													
Average													
-Direction	N	N	N	N	N	N	N	WSW	SSW	WNW	SW	WSW	N
-Speed	35	33	30	38	41	24	24	19	17	19	24	22	41
-Year	2018	2018	2018	2018	2018	2018	2018	2020	2019	2018	2019	2021	May 2018
Peak Gust													
-Direction	S	S	SSE	SSE	N	WNW	WSW	SW	S	SSE	SW	S	S
-Speed	41	46	44	39	41	44	30	30	37	37	41	49	49
-Year	2020	2022	2025	2022	2018	2020	2019	2020	2019	2020	2019	2022	Dec 2022

* Length of record: January 2018 to December 2025

Westford

PRECIPITATION (inches)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual
2018	0.00	0.00	0.85	5.20	2.54	3.48	1.51	2.68	3.26	5.85	5.45	3.68	34.50
2019	5.28	2.85	2.49	3.84	6.22	4.20	3.62	4.50	2.44	9.55	5.00	2.26	52.25
2020	4.50	2.81	2.46	2.13	4.99	2.67	4.79	6.88	3.55	3.69	2.50	1.36	42.33
2021	2.01	2.23	1.43	4.02	2.08	3.55	4.84	4.34	3.72	6.52	4.29	2.62	41.65
2022	1.24	3.31	3.34	5.64	6.22	5.39	4.60	6.74	8.74	3.58	4.54	3.11	56.45
2023													
2024									2.24	3.50	2.14	4.05	11.93
2025	0.48	3.39	3.60	4.38	7.18	4.24	3.99	1.50	4.00	6.34	5.22	4.52	48.84

SNOWFALL (inches)

Year	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Total
2017-18							0.0	0.0	0.0	0.0	0.0	0.0	0.0
2018-19	0.0	0.0	0.0	T	27.5	9.9	47.8	15.9	19.2	1.9	0.0	0.0	122.2
2019-20	0.0	0.0	0.0	0.0	15.6	14.6	23.7	22.4	4.8	0.6	3.0	0.0	84.7
2020-21	0.0	0.0	0.0	T	4.1	10.4	22.9	27.1	2.9	9.3	T	0.0	76.7
2021-22	0.0	0.0	0.0	0.0	7.7	14.6	16.3	28.1	11.8	6.1	0.0	0.0	84.6
2024-25							28.3	36.1	15.5	1.2	0.0	0.0	107.4
2025-26	0.0	0.0	0.0	0.0	13.6	28.0							

Westford

TEMPERATURE °F

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual
2018	17.2	27.2	28.9	37.4	58.8	61.8	71.1	68.9	61.2	44.6	30.2	23.3	44.2
2019	14.0	19.4	27.6	42.4	51.7	62.1	70.2	65.9	46.4	43.4	29.2	24.4	41.4
2020	23.0	21.7	34.5	40.5	55.1	64.7	72.0	66.6	58.2	46.6	40.5	27.8	45.9
2021	19.6	19.5	32.5	45.9	55.1	67.6	65.9	70.4	60.5	52.4	35.2	28.0	46.1
2022	10.7	19.7	31.8	43.3	59.2	62.7	69.1	69.1	58.6	49.8	39.7	28.2	45.2
2024									61.5	50.0	39.2	24.7	43.8
2025	17.2	17.5	34.3	44.1	55.2	66.3	70.7	66.9	61.0	50.0	33.3	18.7	44.6

HEATING DEGREE DAYS: Base 65°F

Year	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Total
2017-18							1481	1049	1112	816	197	135	4790
2018-19	8	15	174	627	1037	1280	1571	1267	1152	672	401	108	8312
2019-20	8	36	350	574	1066	1250	1289	1253	936	725	343	104	7934
2020-21	0	41	217	563	725	1145	1397	1264	1000	566	330	49	7297
2021-22	42	19	142	383	884	1134	1679	1259	1018	643	219	87	7509
2024-25			100	462	766	1240	1472	1323	941	620	306	59	7289
2025-26	16	55	123	468	943	1424							

Westford

COOLING DEGREE DAYS: Base 65°F

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
2018	0	0	0	0	16	48	163	136	69	4	0	0	436
2019	0	0	0	0	1	31	181	74	1	0	0	0	288
2020	0	0	0	0	49	103	225	99	23	0	0	0	499
2021	0	0	0	0	35	136	81	196	14	0	0	0	462
2022	0	0	0	0	48	28	147	144	21	1	0	0	389
2024									20	4	0	0	24
2025	0	0	0	1	10	105	201	123	10	13	0	0	463

STATION LOCATION AND INSTRUMENTATION
Westford

Location	Occupied from	Occupied to	Latitude North	Longitude West	Elevation Above (ft)						
					Sea Level	Ground					
						Wind	Sun	Temp	Humidity	Rain	Barometer
			44° 37' 38"N	73° 02' 30"W	850	0	0	0	0	0	0

INSTRUMENTATION DETAIL

Units: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.

The following equipment is used for measuring meteorological data at this station:

Davis Vantage Pro

OBSERVER NOTES

None.