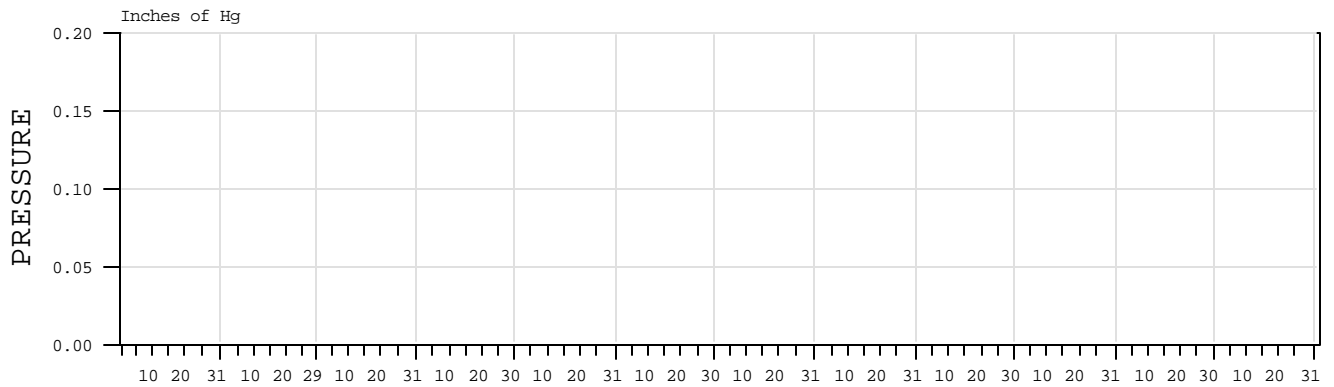
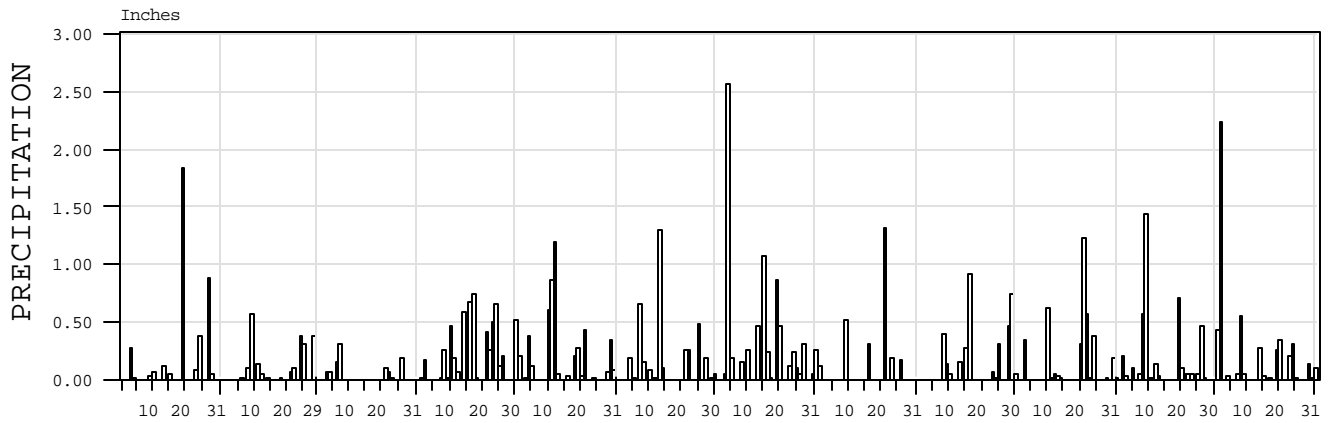
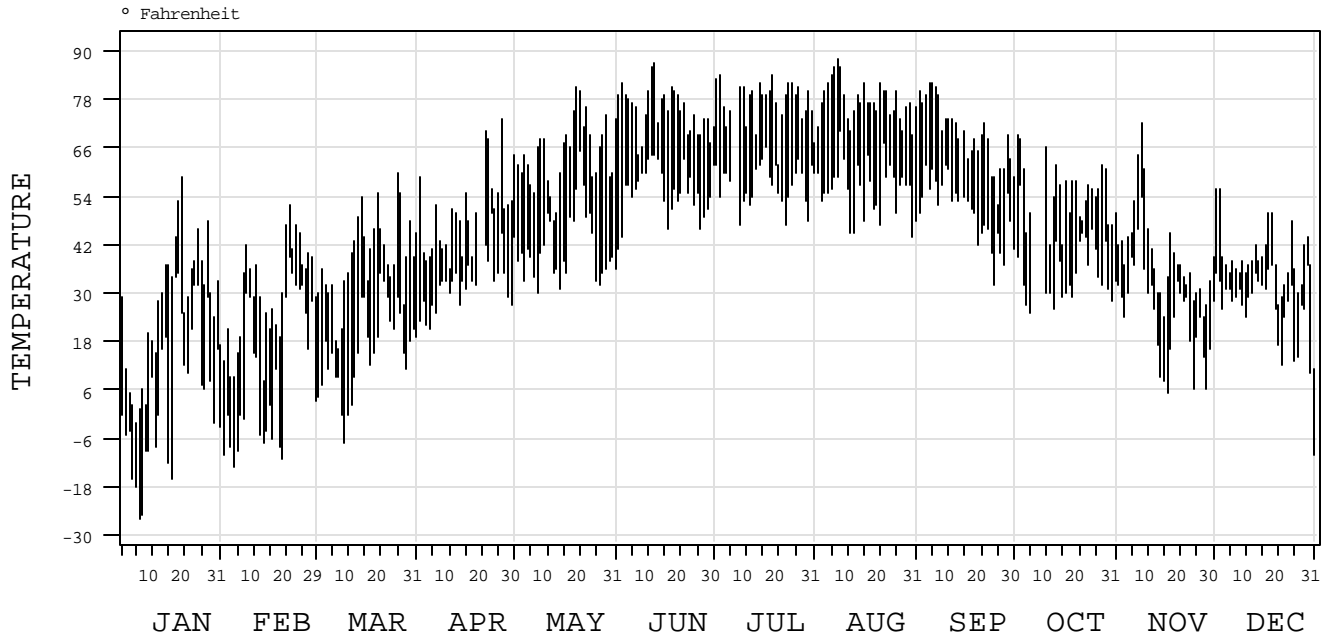


1996

LOCAL CLIMATOLOGICAL DATA

Annual Summary with Comparative Data
Westford
Daily Data



METEOROLOGICAL DATA FOR 1996

Westford

Latitude: 44° 37' 39" N Longitude: 73° 02' 29" 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	26.6	29.6	38.6	50.1	64.7	75.3	77.2	77.6	69.4	54.8	39.1	38.1	53.4
-Daily Minimum	5.1	10.0	15.9	32.6	41.2	55.4	57.1	55.9	50.3	35.5	24.8	26.3	34.2
-Monthly	15.9	19.8	27.3	41.4	53.0	65.3	67.2	66.8	59.9	45.2	32.0	32.2	43.8
-Monthly Dew Point	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Extremes													
-Highest	59.0	52.0	60.0	73.0	81.0	87.0	84.0	88.0	82.0	69.0	72.0	56.0	88.0
-Date	19	21	25	26	19	12	2	7	4	1	8	1	AUG 7
-Lowest	-26.0	-13.0	-7.0	21.0	30.0	41.0	47.0	44.0	32.0	25.0	5.0	-10.0	-26.0
-Date	6	4	9	4	7	1	8	30	24	5	16	31	JAN 6
DEGREE DAYS BASE 65°F													
Heating	1528	1320	1177	665	391	47	18	31	180	542	998	1027	7924
Cooling	0	0	0	0	10	52	74	78	23	0	0	0	237
SUNSHINE INDEX													
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NUMBER OF DAYS													
Sunrise to Sunset													
-Clear	31	29	31	28	31	30	29	31	29	27	30	31	357
-Partly Cloudy	0	0	0	0	0	0	0	0	0	0	0	0	0
-Cloudy	0	0	0	0	0	0	0	0	0	0	0	0	0
Precipitation													
.01 inches or more	13	15	11	21	20	18	20	6	13	15	22	19	193
Snow, Ice pellets													
1.0 inches or more	6	5	9	12	2	0	0	0	0	0	15	14	63
Thunderstorms													
	0	0	0	2	5	4	9	4	0	0	0	0	24
Heavy Fog, visibility													
¼ mile or less	0	0	0	0	0	0	0	1	0	0	0	0	1
TEMPERATURE:													
-Maximum													
90°F and above	0	0	0	0	0	0	0	0	0	0	0	0	0
32°F and below	19	16	8	0	0	0	0	0	0	0	9	6	58
-Minimum													
32°F and below	29	27	29	13	3	0	0	0	1	13	24	24	163
0°F and below	15	13	3	0	0	0	0	0	0	0	0	1	32
PRESSURE													
Average													
-Monthly	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Extremes													
-Highest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-Date	1	1	1	1	1	1	1	1	1	1	1	1	JAN 1
-Lowest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-Date	1	1	1	1	1	1	1	1	1	1	1	1	JAN 1
RELATIVE HUMIDITY (%)													
Average													
-Monthly	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Local Time													
Hour 01	0	0	0	0	0	0	0	0	0	0	0	0	0
Hour 07	0	0	0	0	0	0	0	0	0	0	0	0	0
Hour 13	0	0	0	0	0	0	0	0	0	0	0	0	0
Hour 19	0	0	0	0	0	0	0	0	0	0	0	0	0
PRECIPITATION													
Water Equivalent													
-Total	3.86	2.22	1.05	6.03	5.01	3.88	7.65	2.63	3.64	3.88	4.15	5.13	49.13
-Greatest (24 hrs)	1.83	0.57	0.32	0.76	1.20	1.30	2.58	1.32	0.92	1.22	1.44	2.24	2.58
-Date	19	9	7	17	12	13	4	21	16	21	9	2	JUL 4
Snow, Ice pellets													
-Total	15.5	15.3	13.0	21.7	2.2	0.0	0.0	0.0	0.0	T	19.8	15.0	102.5
-Greatest (day)	4.5	4.5	5.5	6.5	2.0	0.0	0.0	0.0	0.0	T	4.3	5.5	6.5
-Date	3	28	7	17	12	1	1	1	1	3	26	8	APR 17
WIND													
Resultant													
-Direction	0	0	0	0	0	0	0	0	0	0	0	0	0
-Speed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average Speed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maximum One-minute													
Average													
-Direction	N	N	N	N	N	N	N	N	N	N	N	N	N
-Speed	0	0	0	0	0	0	0	0	0	0	0	0	0
-Date	1	1	1	1	1	1	1	1	1	1	1	1	JAN 1
Peak Gust													
-Direction	N	N	N	N	N	N	N	N	N	N	N	N	N
-Speed	0	0	0	0	0	0	0	0	0	0	0	0	0
-Date	1	1	1	1	1	1	1	1	1	1	1	1	JAN 1

MEANS AND EXTREMES*

Westford

Latitude: 44° 37' 39" N Longitude: 73° 02' 29" 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	26.6	29.6	38.6	50.1	64.7	80.5	82.7	81.9	69.0	57.0	39.9	32.7	54.5
-Daily Minimum	5.1	10.0	15.9	32.6	41.2	54.4	58.5	55.8	47.1	39.2	25.5	19.1	33.7
-Monthly	15.9	19.8	27.3	41.4	53.0	67.4	70.6	68.8	58.1	48.1	32.7	25.9	44.1
-Monthly Dew Point	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Extremes													
-Record Highest	59.0	52.0	60.0	73.0	81.0	100.0	103.0	98.0	87.0	75.0	72.0	56.0	103.0
-Year	1996	1996	1996	1996	1996	1995	1995	1995	1995	1995	1996	1996	JUL 1995
-Record Lowest	-26.0	-13.0	-7.0	21.0	30.0	39.0	47.0	38.0	32.0	25.0	5.0	-10.0	-26.0
-Year	1996	1996	1996	1996	1996	1995	1996	1995	1995	1996	1995	1996	JAN 1996
MEAN DEGREE DAYS													
Heating (base 65°F)	1528	1320	1177	665	391	40	9	22	221	483	976	1222	8054
Cooling (base 65°F)	0	0	0	0	10	106	161	130	16	0	0	0	423
MEAN SUNSHINE INDEX													
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN NUMBER OF DAYS													
Sunrise to Sunset													
-Clear	31.0	29.0	31.0	28.0	31.0	30.0	28.5	30.5	28.5	28.5	30.0	31.0	357.0
-Partly Cloudy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Cloudy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Precipitation ≥ .01"													
Snow, Ice plts. ≥ 1.0"	13.0	15.0	11.0	21.0	20.0	11.0	17.0	8.0	12.0	15.5	21.0	22.5	187.0
Thunderstorms	6.0	5.0	9.0	12.0	2.0	0.0	0.0	0.0	0.0	0.0	13.5	19.0	66.5
Heavy Fog, vis. ≤ ¼ mi	0.0	0.0	0.0	2.0	5.0	2.5	6.5	4.0	1.0	1.0	0.0	0.0	22.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5
TEMPERATURE:													
-Maximum													
90°F and above	0.0	0.0	0.0	0.0	0.0	6.0	5.5	6.5	0.0	0.0	0.0	0.0	18.0
32°F and below	19.0	16.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	15.0	64.5
-Minimum													
32°F and below	29.0	27.0	29.0	13.0	3.0	0.0	0.0	0.0	1.5	7.0	23.0	27.5	160.0
0°F and below	15.0	13.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	34.5
PRESSURE													
Average													
-Monthly	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Extremes													
-Record Highest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-Year	1996	1996	1996	1996	1996	1995	1995	1995	1995	1995	1995	1995	JUN 1995
-Record Lowest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-Year	1996	1996	1996	1996	1996	1995	1995	1995	1995	1995	1995	1995	JUN 1995
RELATIVE HUMIDITY (%)													
Average													
-Monthly	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-Local Time													
Hour 01	0	0	0	0	0	0	0	0	0	0	0	0	0
Hour 07	0	0	0	0	0	0	0	0	0	0	0	0	0
Hour 13	0	0	0	0	0	0	0	0	0	0	0	0	0
Hour 19	0	0	0	0	0	0	0	0	0	0	0	0	0
PRECIPITATION													
Water Equivalent													
-Mean	3.86	2.22	1.05	6.03	5.01	2.62	5.78	6.41	3.39	5.18	4.19	4.26	50.01
-Maximum Monthly	3.86	2.22	1.05	6.03	5.01	3.88	7.65	10.18	3.64	6.48	4.24	5.13	10.18
-Year	1996	1996	1996	1996	1996	1996	1996	1995	1996	1995	1995	1996	AUG 1995
-Minimum Monthly	3.86	2.22	1.05	6.03	5.01	1.36	3.92	2.63	3.15	3.88	4.15	3.39	1.05
-Year	1996	1996	1996	1996	1996	1995	1995	1996	1995	1996	1996	1995	MAR 1996
-Greatest (24 hrs)	1.83	0.57	0.32	0.76	1.20	1.30	2.58	6.05	1.01	1.42	1.56	2.24	6.05
-Year	1996	1996	1996	1996	1996	1996	1996	1995	1995	1995	1995	1996	AUG 1995
Snow, Ice pellets													
-Mean	15.5	15.3	13.0	21.7	2.2	0.0	0.0	0.0	0.0	0.*	16.8	30.5	175.1
-Maximum Monthly	15.5	15.3	13.0	21.7	2.2	0.0	0.0	0.0	0.0	0.1	19.8	46.0	46.0
-Year	1996	1996	1996	1996	1996	1995	1995	1995	1995	1995	1996	1995	DEC 1995
-Minimum Monthly	15.5	15.3	13.0	21.7	2.2	0.0	0.0	0.0	0.0	0.0	13.9	15.0	0.0
-Year	1996	1996	1996	1996	1996	1995	1995	1995	1995	1996	1995	1996	JUN 1995
-Greatest (day)	4.5	4.5	5.5	6.5	2.0	0.0	0.0	0.0	0.0	0.1	4.3	7.5	7.5
-Year	1996	1996	1996	1996	1996	1995	1995	1995	1995	1995	1996	1995	DEC 1995
WIND													
Resultant													
-Direction	0	0	0	0	0	0	0	0	0	0	0	0	0
-Speed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average Speed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maximum One-minute													
Average													
-Direction	N	N	N	N	N	N	N	N	N	N	N	N	N
-Speed	0	0	0	0	0	0	0	0	0	0	0	0	0
-Year	1996	1996	1996	1996	1996	1995	1995	1995	1995	1995	1995	1995	JUN 1995
Peak Gust													
-Direction	N	N	N	N	N	N	N	N	N	N	N	N	N
-Speed	0	0	0	0	0	0	0	0	0	0	0	0	0
-Year	1996	1996	1996	1996	1996	1995	1995	1995	1995	1995	1995	1995	JUN 1995

* Length of record: June 1995 to December 1996

Westford

PRECIPITATION (inches)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual
1995						1.36	3.92	10.18	3.15	6.48	4.24	3.39	32.72
1996	3.86	2.22	1.05	6.03	5.01	3.88	7.65	2.63	3.64	3.88	4.15	5.13	49.13

SNOWFALL (inches)

Year	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Total
1994-95												0.0	0.0
1995-96	0.0	0.0	0.0	0.1	13.9	46.0	15.5	15.3	13.0	21.7	2.2	0.0	127.7
1996-97	0.0	0.0	0.0	0.0	19.8	15.0							

Westford

TEMPERATURE °F

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual
1995						69.5	74.0	70.9	56.3	51.1	33.4	19.6	53.5
1996	15.9	19.8	27.3	41.4	53.0	65.3	67.2	66.8	59.9	45.2	32.0	32.2	43.8

HEATING DEGREE DAYS: Base 65°F

Year	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Total
1994-95												33	33
1995-96	0	13	262	424	954	1416	1528	1320	1177	665	391	47	8197
1996-97	18	31	180	542	998	1027							

Westford

COOLING DEGREE DAYS: Base 65°F

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
1995						160	248	182	9	0	0	0	599
1996	0	0	0	0	10	52	74	78	23	0	0	0	237

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
22 Penny Ln Westford, VT 05494	Aug. 2001	Present	44° 37' 39"	73° 02' 29"	850	12	0	5	5	5	5

INSTRUMENTATION DETAIL

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

Davis VantagePro.

Wind:

Electronic sensors:

Instantaneous speed to 125 mph and direction to nearest 7°, greater of 2 mph or ±5%.

Temperature:

Electronic sensor: -40° to 140°F, ±1°F.

Humidity:

Electronic sensor: 0 to 100% RH, ±3%.

Barometer:

Electronic sensor: 26.00 to 32.00 inches Hg, ±0.05".

Rainfall:

4-inch diameter electronic tipping bucket rain gauge. Resolution 0.01", ±4%.

Sunshine:

Not recorded.

Snow, ice pellets, glaze and other meteorological phenomenon not recorded by the Weather Computer are manually observed and recorded in the station record.

OBSERVER NOTES