



SEPTEMBER 1999

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

HARTFORD, CT

BRADLEY INTERNATIONAL AIRPORT (BDL)
 Lat: 41°56' N Long: 72°40' W Elev (Ground): 169 Feet
 Time Zone: EASTERN WBAN: 14740 ISSN #:0198-1161

SEPTEMBER 1999
HARTFORD, CT

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE																																			
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM																																								
																			5-SEC		2-MIN																																						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																				
01	85	51	68	0	51	58	0	3					0.00	29.98	30.17	2.2	36	4.8	14	18	13	19	01																																				
02	87	53	70	2	55	61	0	5					0.00	29.89	30.08	0.2	24	3.9	11	18	9	17	02																																				
03	90*	53	72	5	56	62	0	7					0.00	29.86	30.05	1.6	18	3.5	15	18	13	18	03																																				
04	88	58	73	6	61	65	0	8					0.00	29.95	30.14	3.4	16	4.5	20	17	17	18	04																																				
05	85	65	75	8	66	69	0	10					0.00	29.98	30.17	5.4	11	7.3	20	16	17	16	05																																				
06	83	71	77	10	72	73	0	12	RA BR HZ				0.44	29.84	30.03	6.0	15	7.6	22	17	18	16	06																																				
07	85	71	78	12	71	72	0	13	RA BR				0.52	29.71	29.90	9.5	17	9.9	28	16	23	16	07																																				
08	83	72	78*	12	70	72	0	13	RA BR				0.02	29.64	29.83	8.7	18	8.8	18	18	16	21	08																																				
09	84	70	77	11	70	72	0	12	RA BR HZ				T	29.67	29.85	8.0	18	8.5	21	18	16	17	09																																				
10	73	66	70	5	69	69	0	5	RA BR				2.78	29.59	29.78	1.0	15	4.3	16	12	14	12	10																																				
11	79	59	69	4	55	60	0	4	BR				0.00	29.74	29.92	4.7	32	5.8	18	31	15	31	11																																				
12	77	51	64	-1			1	0					0.00	29.99		1.2	32	2.6	13	32	9	02	12																																				
13	79	51	65	1	55	59	0	0	BR				0.00	30.00		3.8	17	5.3	18	16	15	17	13																																				
14	75	59	67	3	63	65	0	2	RA BR				T	29.93	30.12	3.4	12	5.1	16	13	14	13	14																																				
15	69	64	67	4	65	66	0	2	RA BR				0.34	29.89	30.09	1.0	07	1.2	7	02	6	02	15																																				
16	65	58	62	-1	61	61	3	0	RA BR				5.72	29.44	29.63	14.8	02	15.1	43	02	38*	02	16																																				
17	66	56	61	-2	48	54	4	0	RA BR				0.03	29.46	29.65	19.0	31	19.4	46*	31	36	31	17																																				
18	74	49	62	-1	47	53	3	0					0.00	29.84	30.03	5.2	32	6.6	18	32	15	36	18																																				
19	74	45	60	-2	50	54	5	0					0.00	29.95	30.14	2.0	19	5.1	14	18	11	18	19																																				
20	75	49	62	0	55	58	3	0					0.00	29.82	30.01	7.4	18	7.7	18	21	16	18	20																																				
21	64	55	60	-2	59	60	5	0	RA BR				0.55	29.65	29.84	3.5	36	5.8	20	36	15	01	21																																				
22	55	50	53*	-8	50	51	12	0	RA BR				0.04	29.51	29.71	8.7	34	8.9	21	32	17	33	22																																				
23	73	47	60	-1	46	53	5	0					0.00	29.58	29.77	4.0	28	8.9	25	29	20	31	23																																				
24	77	51	64	4	56	59	1	0	BR				0.00	29.67	29.86	9.8	19	10.0	23	18	18	18	24																																				
25	74	48	61	1	53	57	4	0	TS RA BR				0.04	29.78	29.98	3.5	31	6.3	20	33	16	30	25																																				
26	70	42*	56	-4	48	52	9	0					0.00	30.09	30.29	0.2	03	4.3	11	20	10	18	26																																				
27	74	46	60	1	55	57	5	0	FG+ BR				0.00	30.14	30.34	3.4	19	5.0	14	20	11	16	27																																				
28	77	57	67	8	62	63	0	2	BR				0.00	30.09	30.28	5.8	18	6.0	16	18	14	18	28																																				
29	74	61	68	10	63	65	0	3	BR				0.00	29.88	30.08	9.1	17	9.2	21	17	17	17	29																																				
30	69	47	58	0	54	57	7	0	RA BR				0.74	29.54	29.73	5.2	25	12.5	32	17	25	16	30																																				
										76.1		55.8		66.0		■ ■		2.2		3.4		< MONTHLY AVERAGES				TOTALS-->		11.22		29.80		1.2		21		7.1		<-- MONTHLY AVERAGES																					
										1.3		4.0		2.7		■ ■		<----- DEPARTURE FROM NORMAL ----->										7.43		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																													
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 5.72 DATE: 16										SEA LEVEL PRESSURE DATE TIME																																							
MONTHLY TOTAL DEPARTURE										SEASON TO DATE TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: DATE:										MAXIMUM : 30.39 27 0851																													
HEATING: 67 -29										78 -24										GREATEST SNOW DEPTH: DATE:										MINIMUM : 29.13 16 2251																													
COOLING: 101 56										890 213										NUMBER OF DAYS WITH →										MAXIMUM TEMP ≥ 90: 1										MINIMUM TEMP ≤ 32: 0										PRECIPITATION ≥ 0.01 INCH : 11									
																														MAXIMUM TEMP ≤ 32 : 0										MINIMUM TEMP ≤ 0 : 0										PRECIPITATION ≥ 0.10 INCH : 7									
																														THUNDERSTORMS : 1										HEAVY FOG : 1										SNOWFALL ≥ 1.0 INCH :									

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HARTFORD, CT

SEPTEMBER 1999 BDL WBAN # 14740

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01													01												01		0.00		
02													02												02		0.00		
03													03												03		0.00		
04													04												04		0.00		
05													05												05		0.00		
06						T	0.09	0.08			0.01	T	T	06	0.05	0.19	T	0.01	0.01					06		0.44			
07					T	0.02	0.01						07			0.12	0.37	T				T		07		0.52			
08										0.01	0.01	T	08											08		0.02			
09	T												09											09		T			
10	T		0.01	0.10	0.90	0.39	0.10	0.01	0.18	0.03	0.40	0.32	10	0.15	0.09	0.08	0.01	T					0.01	10		2.78			
11													11											11		0.00			
12													12											12		0.00			
13													13											13		0.00			
14													14											14		0.00			
15											T		15		0.06	0.01	0.01	0.03	0.03	0.04	0.06	0.07	0.05	0.02	0.03	15	0.41	0.34	
16	0.01	0.03	0.02	0.05	0.03	0.04	0.03	0.06	0.19	0.28	0.17	0.23	16	0.39	0.52	0.59		0.16	0.78	0.78	0.49	0.28	0.25	0.11	0.04	16	5.53	5.72	
17	0.03	0.01		T	T	T							17												17	0.04	0.03		
18													18												18		0.00		
19													19												19		0.00		
20													20												20		0.00		
21						T	0.02	0.02	0.05	0.08	0.13	0.07	21	0.01	0.01	0.04	0.01	0.03	0.01	0.03	0.04	T		21		0.55			
22	T								0.02	T			22		T	0.01	0.01	T						22		0.04			
23													23												23		0.00		
24													24												24		0.00		
25						T	0.03	0.01					25												25		0.04		
26													26												26		0.00		
27													27												27		0.00		
28													28												28		0.00		
29								0.10	0.40	0.23	0.01		29												29		0.00		
30												T	30												30		0.74		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)												
Ending Date												
Ending Time (Hour/Min)												

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurrence if more than one)

T = Trace precipitation amount

+ = also occurs on earlier date

FG+ = Heavy fog, visibility .25 miles or less

BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1961 - 1990

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy '' = Moderate '-' = Light

HARTFORD, CT SEPTEMBER 1999

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled at constant pressure by evaporation of moisture into it, to 100% relative humidity.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							10.00	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							2.50	10.00	
07							1.00	10.00	
08							1.50	10.00	
09							1.50	8.00	
10							1.00	10.00	
11							6.00	10.00	
12							7.00	10.00	
13							.75	10.00	
14							4.00	10.00	
15							2.00	7.00	
16							.75	5.00	
17							3.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							7.00	10.00	
21							1.50	10.00	
22							1.25	10.00	
23							10.00	10.00	
24							6.00	10.00	
25							2.50	10.00	
26							10.00	10.00	
27							6.00	10.00	
28							4.00	9.00	
29							2.50	10.00	
30							2.50	10.00	
MONTHLY AVGS							5.14	9.63	
SUNSHINE (MINUTES)									
Total: Possible:									
Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING									
30									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0									
0 14 11									

OBSERVATIONS AT 3-HOURLY INTERVALS

HARTFORD, CT

SEPTEMBER 1999

BDL

WBAN # 14740

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE ° F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE ° F				WIND		PRESSURE (INCHES, HG)									
			OBSERVATION TIME (LST)	EFF CLD AMT Okta		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL				OBSERVATION TIME (LST)	EFF CLD AMT Okta		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL								
SUNRISE: 0516						SEP 01						SUNSET: 1825						SUNRISE: 0522						SEP 07						SUNSET: 1815					
01	CLR	NC		10.00		55	50	52	83	0	00	30.02	30.21	01	BKN	032		9.00			72	71	71	97	3	13	29.78	29.97							
04	CLR	NC		10.00		53	50	51	89	7	01	30.01	30.20	04	OVC	041		8.00			72	71	71	97	6	18	29.77	29.95							
07	CLR	NC		10.00		57	52	54	83	8	01	30.03	30.22	07	BKN	016		8.00			74	71	72	91	9	16	29.77	29.96							
10	CLR	NC		10.00		71	53	61	53	6	02	30.03	30.21	10	BKN	055		10.00			79	70	73	74	13	17	29.76	29.94							
13	CLR	NC		10.00		81	50	63	34	3	VR	29.96	30.15	13	BKN	033		10.00			84	69	74	61	14	17	29.71	29.89							
16	CLR	NC		10.00		83	51	64	33	3	VR	29.93	30.12	16	OVC	007		3.00	-RA BR		74	73	73	97	7	20	29.66	29.85							
19	CLR	NC		10.00		75	48	60	39	5	24	29.93	30.12	19	OVC	012		4.00	BR		75	72	73	90	10	18	29.65	29.84							
22	CLR	NC		10.00		66	53	59	63	5	19	29.94	30.12	22	OVC	013		4.00	BR		74	71	72	91	8	19	29.68	29.86							
SUNRISE: 0517						SEP 02						SUNSET: 1823						SUNRISE: 0523						SEP 08						SUNSET: 1813					
01	CLR	NC		10.00		58	54	56	87	5	31	29.94	30.12	01	BKN	011		5.00	BR		72	70	71	94	9	20	29.66	29.84							
04	CLR	NC		10.00		54	52	53	93	0	00	29.92	30.10	04	OVC	023		4.00	BR		72	71	71	97	9	18	29.65	29.83							
07	CLR	NC		10.00		60	56	58	86	6	01	29.94	30.12	07	BKN	044		2.50	BR		73	71	72	94	9	18	29.66	29.85							
10	CLR	NC		10.00		72	59	64	64	5	VR	29.93	30.11	10	OVC	003		1.50	-RA BR		74	72	73	94	7	19	29.67	29.85							
13	CLR	NC		10.00		83	54	65	37	3	23	29.89	30.07	13	BKN	013		9.00			78	72	74	82	13	17	29.63	29.82							
16	CLR	NC		10.00		86	54	66	33	6	VR	29.84	30.02	16	FEW	NC		10.00			80	69	73	69	9	19	29.60	29.79							
19	CLR	NC		10.00		75	55	63	50	7	18	29.85	30.03	19	SCT	NC		7.00			73	70	71	90	7	17	29.63	29.82							
22	CLR	NC		10.00		66	54	59	65	5	17	29.86	30.04	22	BKN	023		3.00	BR		72	70	71	94	8	19	29.65	29.83							
SUNRISE: 0518						SEP 03						SUNSET: 1821						SUNRISE: 0524						SEP 09						SUNSET: 1811					
01	CLR	NC		10.00		57	54	55	90	0	00	29.86	30.04	01	BKN	080		5.00	BR		72	68	69	87	6	23	29.66	29.85							
04	CLR	NC		10.00		54	53	53	97	0	00	29.85	30.04	04	OVC	014		1.50	BR		71	70	70	96	8	19	29.65	29.84							
07	CLR	NC		10.00		62	58	60	86	5	36	29.88	30.07	07	BKN	008		1.50	BR		72	70	71	94	3	18	29.68	29.86							
10	CLR	NC		10.00		76	63	68	64	5	34	29.87	30.06	10	OVC	009		3.00	HZ		76	69	71	79	7	24	29.69	29.87							
13	CLR	NC		10.00		87	59	69	39	5	20	29.84	30.03	13	SCT	NC		4.00	HZ		81	69	73	67	10	18	29.65	29.84							
16	CLR	NC		10.00		89	56	68	33	6	14	29.83	30.01	16	CLR	NC		6.00	HZ		82	70	74	67	10	17	29.64	29.83							
19	CLR	NC		10.00		75	52	62	45	9	16	29.85	30.04	19	BKN	020		6.00	HZ		75	69	71	82	10	18	29.68	29.86							
22	CLR	NC		10.00		67	55	60	66	5	17	29.89	30.07	22	OVC	014		6.00	BR		74	70	71	88	14	17	29.70	29.88							
SUNRISE: 0519						SEP 04						SUNSET: 1820						SUNRISE: 0525						SEP 10						SUNSET: 1810					
01	CLR	NC		10.00		62	56	59	81	0	00	29.89	30.07	01	OVC	014		9.00	-RA		73	70	71	90	5	18	29.68	29.86							
04	CLR	NC		10.00		61	54	57	78	0	00	29.91	30.09	04	OVC	070		5.00	RA BR		72	71	71	97	3	10	29.63	29.82							
07	CLR	NC		10.00		66	58	61	75	3	VR	29.97	30.15	07	OVC	025		6.00	-RA BR		70	69	69	97	6	15	29.64	29.83							
10	CLR	NC		10.00		75	64	68	69	6	17	29.98	30.17	10	OVC	003		2.50	-RA BR		71	69	70	94	0	00	29.61	29.80							
13	CLR	NC		10.00		84	61	69	46	7	18	29.97	30.15	13	OVC	007		3.00	RA BR		70	69	69	97	7	17	29.58	29.76							
16	CLR	NC		10.00		87	57	68	36	9	15	29.93	30.12	16	OVC	005		10.00			70	69	69	97	3	18	29.55	29.74							
19	CLR	NC		10.00		76	66	70	72	8	17	29.97	30.16	19	SCT	NC		10.00			70	69	69	97	6	02	29.53	29.72							
22	SCT	NC		10.00		71	66	68	84	3	14	30.00	30.19	22	OVC	025		10.00			68	67	67	96	3	36	29.56	29.74							
SUNRISE: 0520						SEP 05						SUNSET: 1818						SUNRISE: 0526						SEP 11						SUNSET: 1808					
01	BKN	025		10.00		67	65	66	93	3	03	30.00	30.19	01	CLR	NC		8.00			65	64	64	97	0	00	29.57	29.76							
04	BKN	009		10.00		65	64	64	97	3	03	30.01	30.19	04	CLR	NC		8.00			62	59	60	90	3	32	29.62	29.81							
07	OVC	009		10.00		68	66	67	93	7	02	30.03	30.21	07	FEW	NC		10.00			62	58	60	86	5	33	29.70	29.88							
10	BKN	018		10.00		78	66	70	67	9	11	30.01	30.20	10	CLR	NC		10.00			70	57	62	64	6	02	29.74	29.93							
13	FEW	NC		10.00		84	62	70	48	10	12	29.98	30.16	13	CLR	NC		10.00			77	48	61	36	10	35	29.74	29.92							
16	OVC	045		10.00		80	67	71	64	13	13	29.95	30.13	16	CLR	NC		10.00			77	50	61	39	6	VR	29.74	29.93							
19	BKN	050		10.00		77	68	71	74	8	14	29.95	30.13	19	CLR	NC		10.00			67	56	61	68	5	26	29.80	29.98							
22	BKN	014		10.00		73	69	70	87	5	13	29.96	30.14	22	CLR	NC		10.00			63	56	59	78	6	27	29.87	30.06							
SUNRISE: 0521						SEP 06						SUNSET: 1816						SUNRISE: 0527						SEP 12						SUNSET: 1806					
01	OVC	010		10.00		72	69	70	91	5	10	29.92	30.11	01	CLR	NC		10.00			58	52	55	81	5	30	29.91	30.09							
04	OVC	011		10.00		72	70	71	94	5	06	29.89	30.07	04	CLR	NC		10.00			55	50	52	83	0	00	29.94	30.13							
07	OVC	012		2.50	BR	73	72	72	96	3	16	29.89	30.07	07	CLR	NC		7.00			57	54	55	90	0	00	30.00	30.19							
10	OVC	009		3.00	BR	76	74	75	94	10	16	29.88	30.06	10	CLR	NC		10.00			70	54	61	57	3	VR	30.03	30.22							
13	OVC	020		3.00	RA BR	76	73	74	91	12	22	29.83	30.02	13	CLR	NC		10.00							3	VR	30.00								
16	BKN	023		8.00	-RA	79	74	75	85	13	15	29.78	29.97	16	CLR	NC		10.00							3	VR	29.97								
19	SCT	NC		10.00		75	72	73	90	8	15	29.81	29.99	19	CLR	NC		10.00			70	54	61	57	0	00	30.00	30.18							
22	OVC	018		10.00		73	72	72	96	9	16	29.82	30.00	22	CLR	NC		10.00			59	56	57	90	0	00	30.02	30.21							

OBSERVATIONS AT 3-HOURLY INTERVALS

HARTFORD, CT

SEPTEMBER 1999

BDL

WBAN # 14740

HOUR (LST)	SATELLITE					WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE					WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	
																														SUNRISE
						SUNRISE: 0528	SEP 13	SUNSET: 1804								SUNRISE: 0535	SEP 19	SUNSET: 1754												
01	CLR	NC			10.00		54	52	53	93	0	00	30.02		01	CLR	NC		10.00	49	47	48	93	5	36	29.94	30.13			
04	CLR	NC			10.00		53	52	52	96	0	00	30.03		04	CLR	NC		10.00	46	45	46	96	0	00	29.96	30.15			
07	OVC	002			9.00		55	53	54	93	3	03	30.04	30.23	07	CLR	NC		10.00	49	47	48	93	5	01	30.00	30.19			
10	SCT	NC			9.00		66	60	62	81	3	16	30.04	30.23	10	CLR	NC		10.00	63	47	54	56	5	VR	30.02	30.20			
13	SCT	NC			10.00		77	54	63	45	6	VR	30.00	30.19	13	CLR	NC		10.00	72	48	59	43	7	21	29.96	30.14			
16	CLR	NC			10.00		77	56	64	48	13	16	29.96	30.15	16	CLR	NC		10.00	72	49	59	44	7	19	29.91	30.10			
19	CLR	NC			10.00		66	53	59	63	10	16	29.97	30.16	19	CLR	NC		10.00	65	54	59	68	9	18	29.92	30.11			
22	BKN	042			10.00		64	60	62	87	5	18	29.99	30.18	22	CLR	NC		10.00	59	56	57	90	3	21	29.93	30.12			
						SUNRISE: 0529	SEP 14	SUNSET: 1803								SUNRISE: 0536	SEP 20	SUNSET: 1752												
01	OVC	011			8.00		60	58	59	93	3	04	29.98	30.17	01	CLR	NC		10.00	55	53	54	93	5	20	29.93	30.11			
04	BKN	013			8.00		62	60	61	93	3	06	29.96	30.15	04	CLR	NC		10.00	50	49	49	96	3	25	29.90	30.09			
07	OVC	014			5.00	BR	61	60	60	97	5	36	29.97	30.16	07	SCT	NC		7.00	57	55	56	93	5	23	29.90	30.09			
10	BKN	012			10.00		70	63	66	79	0	00	29.96	30.15	10	FEW	NC		10.00	69	57	62	66	14	20	29.87	30.06			
13	OVC	025			10.00		75	65	69	71	6	12	29.93	30.12	13	BKN	060		10.00	72	57	63	60	13	17	29.80	29.98			
16	OVC	023			10.00		73	67	69	81	12	14	29.89	30.08	16	SCT	NC		10.00	70	57	62	64	12	18	29.76	29.95			
19	BKN	035			10.00		67	64	65	91	9	15	29.90	30.09	19	SCT	NC		10.00	65	56	60	73	10	18	29.77	29.96			
22	OVC	010			9.00		66	65	65	96	7	14	29.92	30.10	22	CLR	NC		10.00	60	57	58	90	5	21	29.75	29.94			
						SUNRISE: 0530	SEP 15	SUNSET: 1801								SUNRISE: 0537	SEP 21	SUNSET: 1750												
01	OVC	006			7.00		65	64	64	97	6	14	29.91	30.09	01	BKN	022		10.00	59	57	58	93	7	16	29.70	29.89			
04	BKN	008			5.00	BR	65	64	64	97	0	00	29.90	30.08	04	OVC	034		8.00	60	59	59	96	3	14	29.67	29.85			
07	BKN	005			2.50	BR	65	64	64	97	3	06	29.91	30.09	07	OVC	013		2.50	-RA	BR	61	60	60	97	3	21	29.68	29.87	
10	OVC	008			3.00	-RA	BR	68	65	66	90	0	00	29.93	30.12	10	OVC	018		1.50	RA	BR	63	62	62	97	0	00	29.68	29.87
13					6.00	-RA	BR	68	65	66	90	5	03	29.94	30.13	13	OVC	005		6.00	BR	63	62	62	97	5	34	29.66	29.84	
16					3.00	-RA	BR	68	67	67	96	0	00	29.93	30.11	16	OVC	008		5.00	-RA	BR	61	60	60	97	9	35	29.61	29.80
19	OVC	024			2.50	-RA	BR	67	66	66	97	0	00	29.87	30.06	19	OVC	010		6.00	-RA	BR	59	58	58	96	9	35	29.63	29.82
22	OVC	041			4.00	-RA	BR	66	65	65	96	0	00	29.86	30.05	22	OVC	017		10.00	57	55	56	93	12	01	29.61	29.80		
						SUNRISE: 0531	SEP 16	SUNSET: 1759								SUNRISE: 0538	SEP 22	SUNSET: 1749												
01	OVC	002			2.00	-RA	BR	65	65	65	100	5	02	29.78	29.97	01	OVC	015		10.00	54	53	53	97	7	36	29.58	29.77		
04	OVC	003			2.50	-RA	BR	65	65	65	100	7	01	29.76	29.95	04	OVC	015		10.00	54	52	53	93	7	36	29.53	29.72		
07	OVC	009			3.00	-RA	BR	65	64	64	97	13	02	29.72	29.91	07	OVC	005		2.00	BR	53	52	52	96	8	34	29.56	29.75	
10	OVC	005			1.50	+RA	BR	60	59	59	96	18	02	29.66	29.85	10	OVC	009		10.00	53	51	52	93	9	33	29.55	29.74		
13	OVC	014			1.00	+RA	BR	62	61	61	96	20	02	29.49	29.68	13	OVC	009		10.00	53	49	51	86	9	32	29.51	29.70		
16	OVC	014			1.50	RA	BR	60	59	59	96	21	02	29.34	29.53	16	OVC	023		4.00	-RA	BR	51	49	50	92	8	34	29.49	29.68
19	OVC	006			1.50	+RA	BR	59	58	58	96	12	34	29.12	29.30	19	SCT	NC		10.00	51	47	49	86	8	34	29.48	29.67		
22	OVC	017			1.75	+RA	BR	58	57	57	97	20	01	28.95	29.14	22	OVC	036		10.00	51	45	48	80	13	34	29.46	29.65		
						SUNRISE: 0532	SEP 17	SUNSET: 1757								SUNRISE: 0539	SEP 23	SUNSET: 1747												
01	OVC	015			3.00	BR	58	57	57	97	13	33	29.00	29.19	01	OVC	040		10.00	51	43	47	74	10	33	29.47	29.66			
04	OVC	040			9.00	-RA	57	52	54	83	16	31	29.14	29.33	04	CLR	NC		10.00	48	35	42	61	9	34	29.47	29.66			
07	BKN	070			10.00		56	49	52	77	21	30	29.33	29.52	07	CLR	NC		10.00	50	38	44	63	6	36	29.56	29.75			
10	FEW	NC			10.00		63	47	54	56	35	30	29.45	29.64	10	CLR	NC		10.00	63	44	53	50	18	32	29.59	29.78			
13	OVC	060			10.00		64	46	54	52	33	31	29.55	29.73	13	CLR	NC		10.00	70	47	57	44	6	VR	29.59	29.78			
16	FEW	NC			10.00		63	47	54	56	30	31	29.60	29.79	16	CLR	NC		10.00	72	51	60	48	10	24	29.59	29.78			
19	CLR	NC			10.00		62	46	54	56	15	33	29.68	29.86	19	CLR	NC		10.00	63	53	57	70	8	18	29.64	29.83			
22	CLR	NC			10.00		59	46	52	62	9	32	29.72	29.91	22	CLR	NC		10.00	59	54	56	83	7	17	29.68	29.86			
						SUNRISE: 0533	SEP 18	SUNSET: 1756								SUNRISE: 0540	SEP 24	SUNSET: 1745												
01	CLR	NC			10.00		57	45	51	64	8	31	29.76	29.95	01	CLR	NC		10.00	57	52	54	83	8	18	29.69	29.88			
04	CLR	NC			10.00		51	46	49	83	7	31	29.80	29.98	04	CLR	NC		10.00	54	51	52	90	3	20	29.70	29.88			
07	CLR	NC			10.00		55	47	51	74	3	24	29.85	30.03	07	CLR	NC		8.00	55	52	53	90	3	19	29.71	29.90			
10	CLR	NC			10.00		66	48	56	52	6	VR	29.86	30.04	10	CLR	NC		10.00	69	54	60	59	13	20	29.70	29.89			
13	CLR	NC			10.00		72	47	58	41	8	35	29.83	30.02	13	CLR	NC		10.00	76	56	64	50	15	20	29.65	29.83			
16	CLR	NC			10.00		73	44	57	36	13	34	29.83	30.02	16	CLR	NC		10.00	74	58	64	57	20	17	29.62	29.80			
19	CLR	NC			10.00		60	50	55	70	3	33	29.87	30.06	19	CLR	NC		10.00	67	59	62	76	13	20	29.66	29.85			
22	CLR	NC			10.00		53	50	51	89	0	00	29.91	30.10	22	CLR	NC		10.00	61	60	60	97	7	18	29.68	29.87			

OBSERVATIONS AT 3-HOURLY INTERVALS

HARTFORD, CT

SEPTEMBER 1999

BDL WBAN # 14740

HOUR (LST)	SKY COVER		SATELLITE OBSERVATION TIME (LST)	EFF CLD AMT Okltas VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT				DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL				
	DRY BULB	DEW POINT				WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL						
SUNRISE: 0541						SEP 25						SUNSET: 1743					
01	BKN	110		4.00	BR	60	59	59	96	0	00	29.71	29.89				
04	CLR	NC		2.50	BR	59	59	59	100	6	20	29.70	29.89				
07	OVC	060		8.00	-RA	61	56	58	84	13	23	29.73	29.92				
10	FEW	NC		10.00		65	58	61	78	5	VR	29.73	29.92				
13	FEW	NC		10.00		73	54	62	51	9	32	29.73	29.92				
16	CLR	NC		10.00		70	50	59	49	10	35	29.78	29.96				
19	CLR	NC		10.00		58	48	53	70	8	32	29.88	30.07				
22	CLR	NC		10.00		51	45	48	80	6	01	29.95	30.14				
SUNRISE: 0542						SEP 26						SUNSET: 1742					
01	CLR	NC		10.00		47	44	46	90	3	01	29.99	30.18				
04	CLR	NC		10.00		43	42	43	97	8	02	30.05	30.24				
07	CLR	NC		10.00		48	45	47	89	3	03	30.10	30.30				
10	CLR	NC		10.00		60	49	54	67	5	VR	30.13	30.33				
13	CLR	NC		10.00		66	47	56	50	0	00	30.09	30.29				
16	CLR	NC		10.00		69	48	58	47	0	00	30.08	30.27				
19	CLR	NC		10.00		60	54	57	80	7	18	30.09	30.28				
22	CLR	NC		10.00		56	53	54	90	3	16	30.13	30.32				
SUNRISE: 0543						SEP 27						SUNSET: 1740					
01	CLR	NC		10.00		49	48	48	97	0	00	30.14	30.34				
04	CLR	NC		9.00		47	46	47	97	3	01	30.15	30.35				
07	BKN	035		6.00	BR	51	50	51	96	5	31	30.16	30.36				
10	CLR	NC		10.00		63	57	60	81	7	VR	30.18	30.38				
13	OVC	032		10.00		71	58	63	63	5	25	30.13	30.33				
16	BKN	033		10.00		71	60	64	68	9	19	30.10	30.30				
19	SCT	NC		10.00		64	60	62	87	8	19	30.11	30.31				
22	CLR	NC		10.00		60	59	59	96	6	19	30.14	30.34				
SUNRISE: 0544						SEP 28						SUNSET: 1738					
01	BKN	015		9.00		59	57	58	93	0	00	30.12	30.32				
04	SCT	NC		8.00		58	58	58	100	0	00	30.10	30.30				
07	OVC	035		7.00		59	58	58	96	6	18	30.13	30.32				
10	OVC	022		7.00		66	62	64	87	6	15	30.13	30.32				
13	FEW	NC		8.00		74	65	68	74	10	18	30.08	30.27				
16	FEW	NC		8.00		75	65	69	71	10	18	30.05	30.24				
19	FEW	NC		7.00		68	65	66	90	8	18	30.06	30.25				
22	OVC	090		5.00	BR	65	64	64	97	7	17	30.05	30.24				
SUNRISE: 0545						SEP 29						SUNSET: 1736					
01	OVC	080		5.00	BR	64	63	63	96	6	18	30.02	30.21				
04	OVC	065		3.00	BR	64	64	64	100	7	17	30.00	30.19				
07	OVC	006		2.50	BR	66	65	65	96	8	17	29.99	30.17				
10	OVC	014		7.00		70	65	67	84	9	18	29.95	30.14				
13	OVC	023		9.00		73	63	67	71	12	18	29.90	30.09				
16	OVC	042		10.00		71	61	65	71	13	17	29.84	30.02				
19	OVC	027		10.00		67	63	64	87	9	16	29.80	29.98				
22	OVC	017		10.00		62	62	62	100	9	15	29.73	29.92				
SUNRISE: 0546						SEP 30						SUNSET: 1735					
01	OVC	014		10.00		64	62	63	93	9	15	29.63	29.81				
04	BKN	065		10.00		68	63	65	84	16	17	29.50	29.69				
07	OVC	019		3.00	RA BR	66	64	65	93	17	17	29.40	29.59				
10	OVC	025		10.00		62	59	60	90	7	28	29.40	29.58				
13	CLR	NC		10.00		68	50	58	53	21	31	29.47	29.66				
16	BKN	060		10.00		63	44	53	50	18	30	29.58	29.77				
19	CLR	NC		10.00		55	46	50	72	3	32	29.66	29.85				
22	CLR	NC		10.00		49	46	47	90	7	30	29.71	29.90				

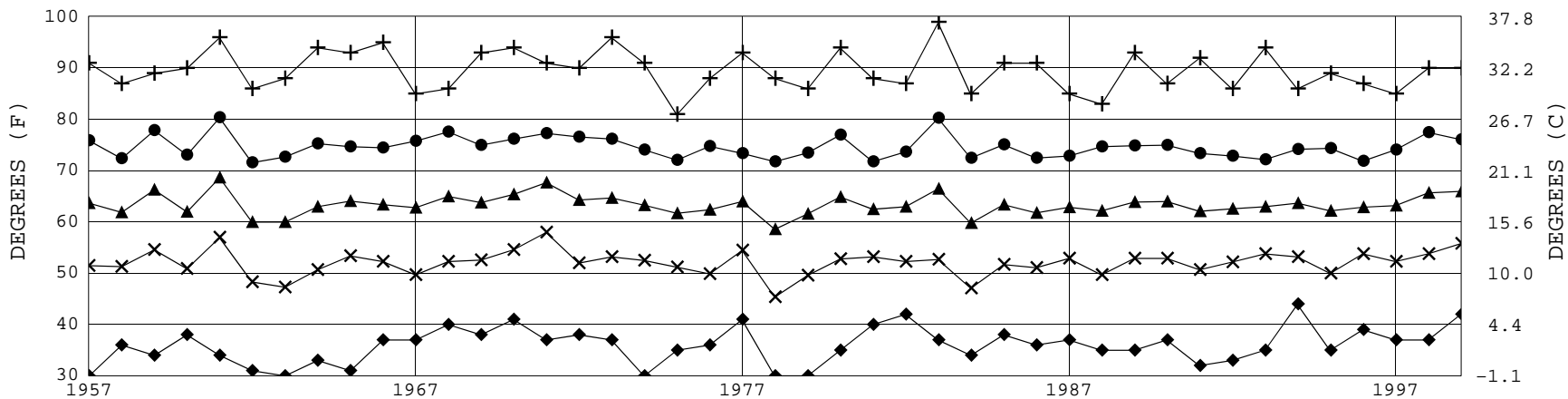
3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visiblity = 8/8.
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.
NC= No ceiling detected.
& = Original observation contained additional weather elements.
See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES											RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION	
							STATION	SEA LEVEL					
01			60	57	59	90	29.81	29.99	8.47	4	0	0	
02			60	57	58	92	29.81	29.98	8.57	4	0	0	
03			59	57	58	93	29.80	29.98	8.10	5	1	32	
04			59	57	58	92	29.81	29.99	8.05	5	0	0	
05			59	56	57	92	29.81	29.99	7.84	5	1	32	
06			59	57	57	93	29.82	30.01	7.23	5	1	29	
07			61	58	59	90	29.83	30.02	6.77	6	1	29	
08			63	58	60	85	29.83	30.02	7.12	7	1	30	
09			66	59	62	79	29.84	30.03	7.20	7	1	28	
10			68	59	63	74	29.83	30.02	7.97	7	1	26	
11			71	59	64	68	29.82	30.01	8.33	7	1	22	
12			72	58	64	64	29.81	29.99	8.63	8	1	24	
13			74	58	64	61	29.80	29.98	8.63	9	2	24	
14			74	58	64	60	29.79	29.97	8.68	10	3	23	
15			74	58	64	61	29.78	29.96	8.24	10	2	23	
16			73	58	64	63	29.78	29.96	8.62	9	2	19	
17			72	58	64	65	29.77	29.96	9.00	10	4	18	
18			69	58	63	70	29.78	29.97	8.82	9	4	18	
19			67	58	62	76	29.79	29.98	8.80	8	3	19	
20			65	59	61	80	29.80	29.99	8.84	8	3	19	
21			64	59	61	84	29.80	29.99	8.74	7	2	20	
22			63	59	60	87	29.80	29.99	8.76	6	2	18	
23			61	58	59	90	29.80	29.99	8.63	5	0	0	
24			61	58	59	89	29.80	29.98	8.66	5	1	21	

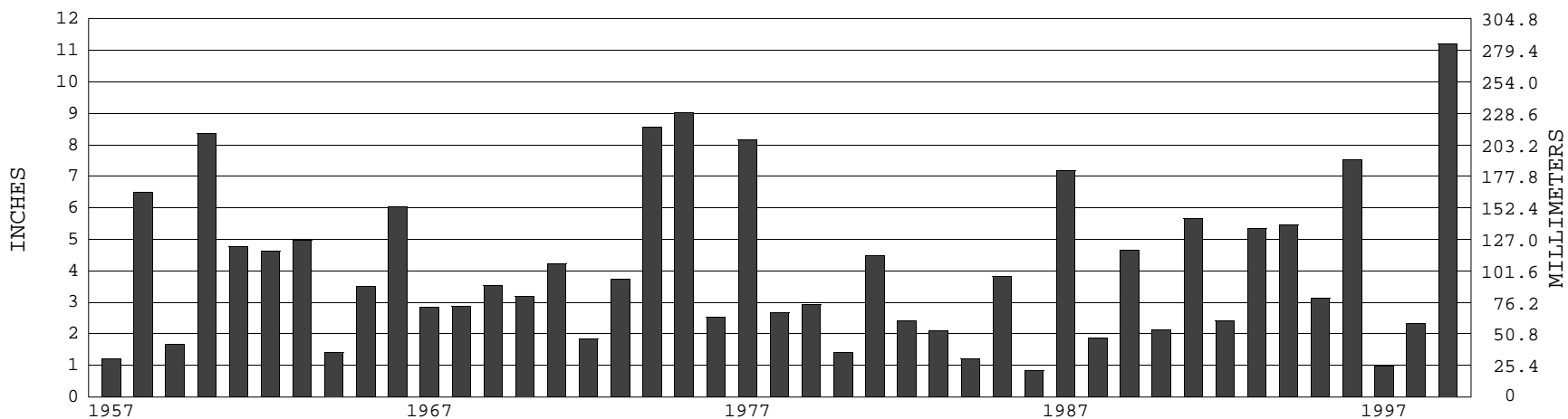
HARTFORD, CT SEPTEMBER TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1957-1999) Mean: 63.4 1961-1990 Normal: 63.3

HARTFORD, CT SEPTEMBER PRECIPITATION



Long-Term (1957-1999) Mean Monthly Total: 4.08

1961-1990 Normal: 3.79



**SEPTEMBER 1999
HARTFORD, CT**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

DIRECTOR

NOTICE

Effective July 1, 1996, the National Weather Service & Federal Aviation Administration began using the METAR format for Hourly Observations.

We welcome your questions or comments, please contact us at
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