

## **Appendix 7**

### **Draft 2017 MS4 Stormwater Annual Report**

#### **Water Testing**

#### **Weather Data**

# New Haven, CT

Tweed-New Haven

© 3:42 PM EDT on August 03, 2017 (GMT -0400)

## Weather History for KHAVN - November, 2016

November

29

2016

**View**

Tuesday, November 29, 2016

**Daily** **Weekly** **Monthly** **Custom**

**Actual**

Temperature

Mean Temperature

Max Temperature

Min Temperature

Degree Days

47 °F

57 °F

37 °F

**Average**

46 °F

32 °F

**Record**

87 °F (1996)

21 °F (2014)

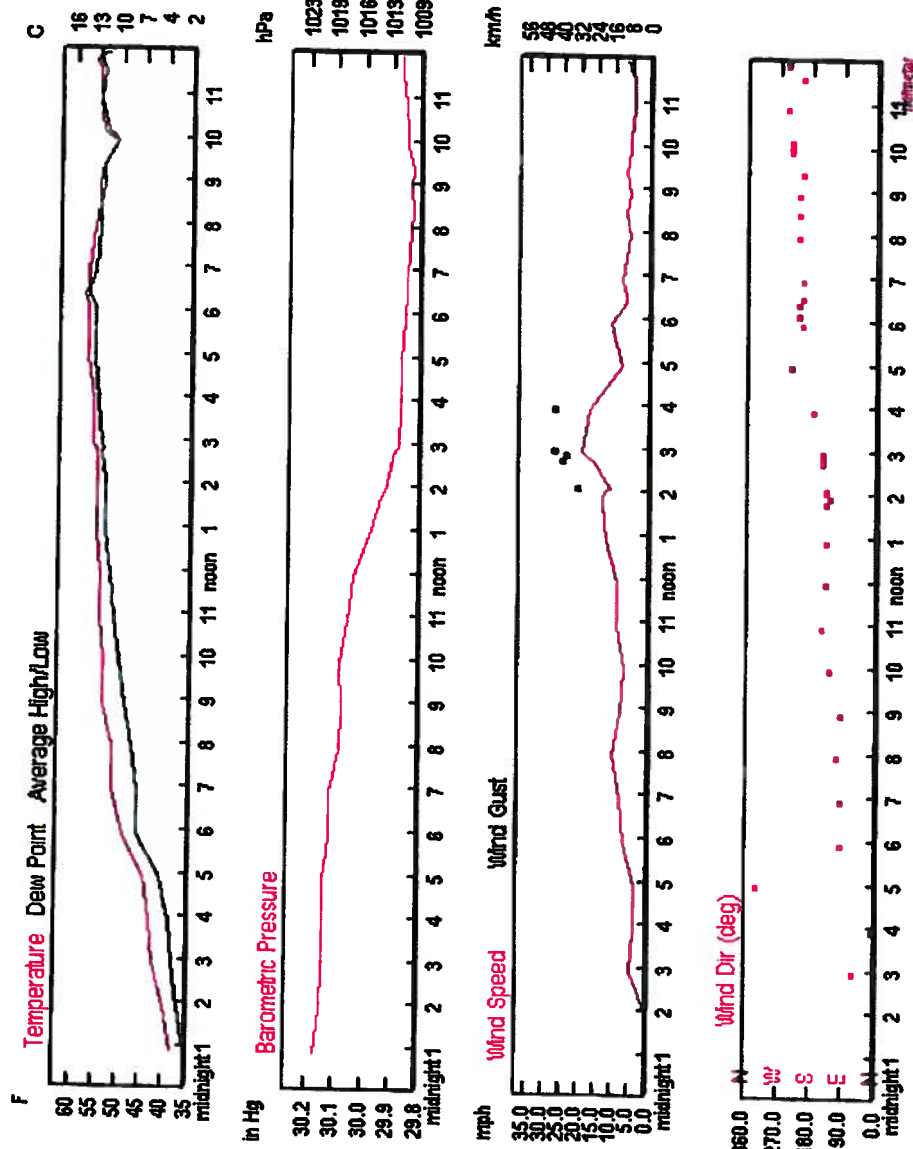
	Actual	Average	Record
Heating Degree Days	18		
Moisture			
Dew Point	51 °F		
Average Humidity	94		
Maximum Humidity	100		
Minimum Humidity	83		
Precipitation			
Precipitation	1.21 in	-	-0
Sea Level Pressure			
Sea Level Pressure	29.95 in		
Wind			
Wind Speed	7 mph (South)		
Max Wind Speed	20 mph		
Max Gust Speed	28 mph		
Visibility	5 miles		
Events	Rain		

Averages and records for this station are not official NWS values.

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary

Daily Weather History Graph



Search for Another Location

Airport or City:

KHVN

**Submit**

### Trip Planner

Search our weather history database for the weather conditions in past years. The results will help you decide how hot, cold, wet, or windy it might be!

Date:

November

29

**Submit**

### Astronomy

Nov. 29, 2016

Actual Time

Civil Twilight

Nautical Twilight

Astronomical Twilight

Moon

Length of Visible Light

Rise

6:56 AM EST

6:25 AM EST

5:51 AM EST

5:18 AM EST

6:43 AM EST (11/29)

10h 28m

Set

4:23 PM EST

4:54 PM EST

5:28 PM EST

6:01 PM EST

4:57 PM EST (11/29)

<b>Nov. 29, 2016</b>	<b>Rise</b>	<b>Set</b>
<b>Length of Day</b> <small>from sunrise to sunset</small>	9h 27m	
<b>New Moon, 0% of the Moon is Illuminated</b>		
<b>Nov 29</b>	<b>Dec 7</b>	<b>Dec 20</b>
<b>New Moon</b>	<b>First Quarter</b>	<b>Last Quarter</b>
	<b>Full</b>	<b>New</b>

Hourly Weather History & Observations

<b>Time (EST)</b>	<b>Temp.</b>	<b>Windchill</b>	<b>Dew Point</b>	<b>Humidity</b>	<b>Pressure</b>	<b>Visibility</b>	<b>Wind Dir</b>	<b>Wind Speed</b>	<b>Gust Speed</b>	<b>Precip</b>	<b>Events</b>	<b>Conditions</b>
12:53 AM	37.9 °F	-	35.1 °F	89%	30.17 in	10.0 mi	Calm	Calm	-	N/A		Clear
1:53 AM	39.9 °F	-	37.0 °F	89%	30.15 in	10.0 mi	Calm	Calm	-	N/A		Overcast
2:53 AM	42.1 °F	39.2 °F	37.9 °F	85%	30.14 in	10.0 mi	ENE	4.6 mph	-	N/A		Overcast
3:53 AM	43.0 °F	41.3 °F	39.0 °F	86%	30.14 in	10.0 mi	North	3.5 mph	-	N/A		Partly Cloudy
4:53 AM	44.1 °F	42.5 °F	41.0 °F	89%	30.14 in	10.0 mi	NNW	3.5 mph	-	N/A		Scattered Clouds
5:53 AM	48.9 °F	-	46.0 °F	90%	30.12 in	10.0 mi	East	6.9 mph	-	N/A		Overcast

Weather History for New Haven, CT | Weather Underground

Time (EST)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
6:53 AM	51.1 °F	-	46.0 °F	83%	30.12 in	10.0 mi	East	8.1 mph	-	N/A		Overcast
7:53 AM	51.1 °F	-	46.9 °F	86%	30.09 in	10.0 mi	ESE	10.4 mph	-	N/A		Overcast
8:53 AM	53.1 °F	-	48.9 °F	86%	30.08 in	10.0 mi	East	8.1 mph	-	N/A		Overcast
9:53 AM	53.1 °F	-	50.0 °F	89%	30.09 in	7.0 mi	SE	6.9 mph	-	0.00 in	Rain	Light Rain
10:53 AM	54.0 °F	-	51.1 °F	90%	30.06 in	5.0 mi	SSE	9.2 mph	-	0.03 in	Rain	Light Rain
11:53 AM	54.0 °F	-	52.0 °F	93%	30.04 in	4.0 mi	SE	9.2 mph	-	0.06 in	Rain	Rain
12:53 PM	55.0 °F	-	53.1 °F	93%	29.98 in	4.0 mi	SE	12.7 mph	-	0.09 in	Rain	Rain
1:45 PM	55.0 °F	-	53.1 °F	93%	29.94 in	3.0 mi	SE	13.8 mph	-	0.09 in	Rain	Rain
1:53 PM	55.0 °F	-	53.1 °F	93%	29.93 in	2.5 mi	SE	13.8 mph	-	0.12 in	Rain	Rain
2:00 PM	55.0 °F	-	53.1 °F	93%	29.92 in	3.0 mi	SE	12.7 mph	20.7 mph	0.01 in	Rain	Rain
2:04 PM	55.0 °F	-	53.1 °F	93%	29.92 in	2.5 mi	SE	11.5 mph	20.7 mph	0.02 in	Rain	Rain
2:41 PM	55.0 °F	-	54.0 °F	96%	29.90 in	1.5 mi	SSE	16.1 mph	25.3 mph	0.15 in	Rain	Rain

Time (EST)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
2:49 PM	55.4 °F	-	53.6 °F	94%	29.89 in	1.5 mi	SSE	18.4 mph	24.2 mph	0.18 in	Rain	Rain
2:53 PM	55.9 °F	-	54.0 °F	93%	29.88 in	1.5 mi	SSE	19.6 mph	27.6 mph	0.20 in	Rain	Heavy Rain
3:53 PM	55.9 °F	-	55.0 °F	97%	29.87 in	1.5 mi	South	17.3 mph	27.6 mph	0.16 in	Rain	Rain
4:53 PM	57.0 °F	-	55.9 °F	96%	29.87 in	1.5 mi	WSW	8.1 mph	-	0.27 in	Rain	Rain
5:53 PM	57.0 °F	-	55.9 °F	96%	29.86 in	4.0 mi	SSW	11.5 mph	-	0.25 in	Rain	Light Rain
6:04 PM	57.0 °F	-	55.9 °F	96%	29.86 in	3.0 mi	SW	9.2 mph	-	0.03 in	Rain	Light Rain
6:22 PM	57.9 °F	-	57.0 °F	97%	29.85 in	6.0 mi	SW	6.9 mph	-	0.03 in	Rain	Light Rain
6:30 PM	57.0 °F	-	57.0 °F	100%	29.85 in	6.0 mi	SSW	6.9 mph	-	0.03 in	Rain	Light Rain
6:53 PM	57.0 °F	-	55.9 °F	96%	29.85 in	7.0 mi	SSW	8.1 mph	-	0.03 in		Overcast
7:53 PM	55.9 °F	-	55.0 °F	97%	29.84 in	7.0 mi	SW	5.8 mph	-	N/A		Overcast
8:26 PM	55.0 °F	-	55.0 °F	100%	29.83 in	7.0 mi	SW	6.9 mph	-	N/A		Overcast
8:53 PM	55.0 °F	-	54.0 °F	96%	29.84 in	7.0 mi	SW	5.8 mph	-	N/A		Overcast



Time (EST)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
9:23 PM	54.0 °F	-	54.0 °F	100%	29.83 in	6.0 mi	SSW	6.9 mph	-	N/A		Overcast
9:53 PM	51.1 °F	-	51.1 °F	100%	29.85 in	2.0 mi	WSW	5.8 mph	-	N/A		Overcast
10:02 PM	53.1 °F	-	52.0 °F	96%	29.85 in	1.8 mi	WSW	5.8 mph	-	N/A		Overcast
10:08 PM	54.0 °F	-	53.1 °F	97%	29.85 in	3.0 mi	WSW	5.8 mph	-	N/A		Overcast
10:53 PM	55.0 °F	-	55.0 °F	100%	29.86 in	5.0 mi	WSW	4.6 mph	-	N/A		Scattered Clouds
11:36 PM	55.0 °F	-	54.0 °F	96%	29.87 in	1.8 mi	SSW	4.6 mph	-	N/A		Partly Cloudy
11:46 PM	55.9 °F	-	55.0 °F	97%	29.87 in	1.2 mi	Variable	5.8 mph	-	N/A		Mostly Cloudy
11:51 PM	55.4 °F	-	55.4 °F	100%	29.87 in	3.0 mi	Variable	5.8 mph	-	N/A		Mostly Cloudy
11:53 PM	55.0 °F	-	55.0 °F	100%	29.87 in	2.5 mi	WSW	5.8 mph	-	N/A		Mostly Cloudy
11:57 PM	53.1 °F	-	53.1 °F	100%	29.87 in	0.8 mi	WSW	6.9 mph	-	N/A		Mist

# New Haven, CT

Tweed-New Haven

© 3:45 PM EDT on August 03, 2017 (GMT -0400)

## Weather History for KHAVN - March, 2017

March

1

2017

**View**

Wednesday, March 1, 2017

**Daily** **Weekly** **Monthly** **Custom**

**Actual**

Temperature

Mean Temperature

50 °F

Max Temperature

54 °F

Min Temperature

46 °F

Degree Days

Heating Degree Days

15

**Average**

.

41 °F

55 °F (1972)

27 °F

6 °F (2015)

**Record**

	Actual	Average	Record
Moisture			
Dew Point	48 °F		
Average Humidity	98		
Maximum Humidity	100		
Minimum Humidity	86		
Precipitation			
Precipitation	0.24 in	-	-0
Sea Level Pressure			
Sea Level Pressure	29.68 in		
Wind			
Wind Speed	5 mph (South)		
Max Wind Speed	16 mph		
Max Gust Speed	21 mph		
Visibility	2 miles		

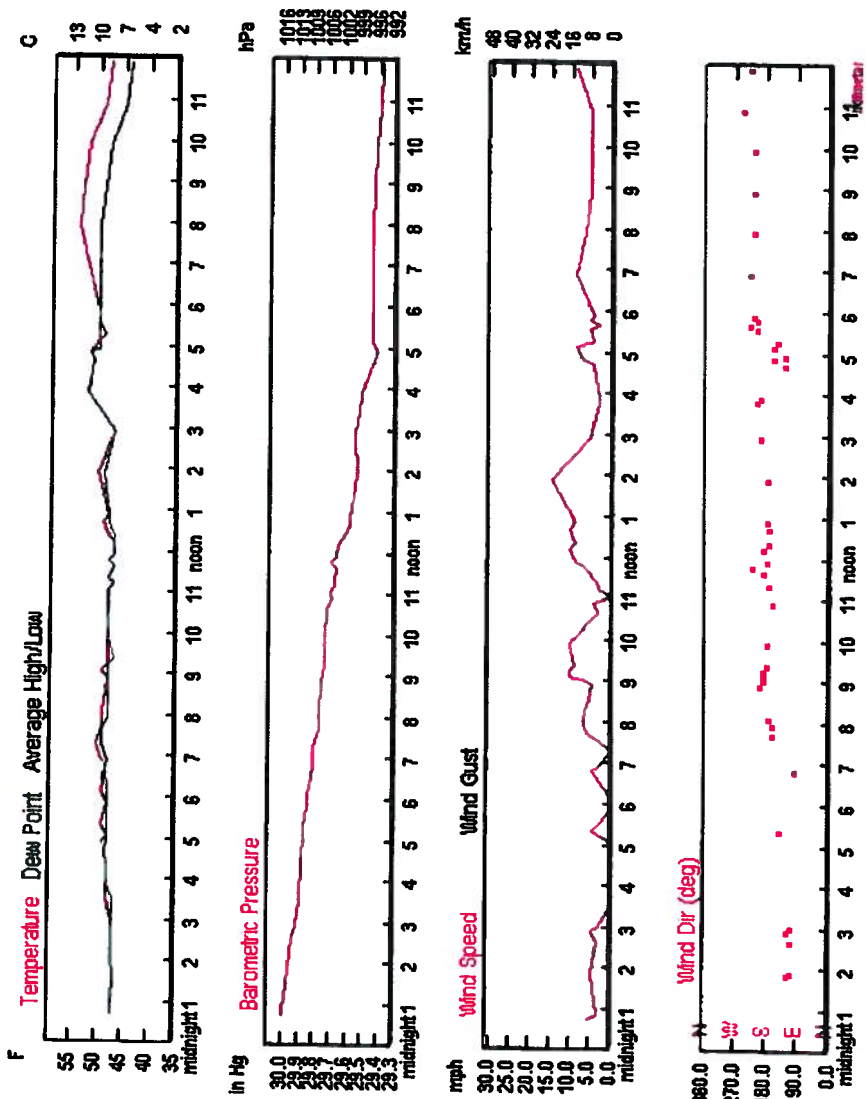
Events Fog, Rain, Thunderstorm

Averages and records for this station are not official NWS values.

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary

Daily Weather History Graph



Search for Another Location

Airport or City:

KHVN

Submit

### Trip Planner

Search our weather history database for the weather conditions in past years. The results will help you decide how hot, cold, wet, or windy it might be!

Date:

March

1

Submit

### Astronomy

Mar. 01, 2017

Actual Time

Civil Twilight

Nautical Twilight

Astronomical Twilight

Moon

Length of Visible Light

Length of Day

Waxing Crescent, 12% of the Moon is Illuminated

Rise	Set
6:25 AM EST	5:42 PM EST
5:57 AM EST	6:10 PM EST
5:25 AM EST	6:42 PM EST
4:54 AM EST	7:14 PM EST
8:16 AM EST (3/1)	9:18 PM EST (3/1)

12h 12m

11h 17m

Mar 1

Mar 5

Mar 12

Mar 20

Mar 27

Waxing Crescent

First Quarter

Full

Last Quarter

New

Hourly Weather History & Observations

Time (EST)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
12:44 AM	46.9 °F	-	46.9 °F	100%	29.99 in	0.5 mi	SE	5.8 mph	-	N/A	Fog	Fog
12:53 AM	46.9 °F	-	46.9 °F	100%	29.99 in	0.5 mi	Variable	3.5 mph	-	N/A	Fog	Fog
1:50 AM	46.4 °F	44.3 °F	46.4 °F	100%	29.96 in	1.0 mi	ESE	4.6 mph	-	N/A		Mist
1:53 AM	46.9 °F	-	46.9 °F	100%	29.96 in	1.2 mi	ESE	4.6 mph	-	N/A		Overcast
2:39 AM	46.9 °F	-	46.9 °F	100%	29.93 in	2.5 mi	ESE	3.5 mph	-	N/A		Overcast
2:53 AM	46.9 °F	-	46.9 °F	100%	29.91 in	2.0 mi	ESE	4.6 mph	-	N/A		Overcast
3:00 AM	46.9 °F	-	46.9 °F	100%	29.91 in	1.8 mi	ESE	3.5 mph	-	N/A		Overcast
3:30 AM	48.0 °F	-	46.9 °F	96%	29.89 in	0.8 mi	Calm	Calm	-	N/A		Mist
3:53 AM	48.0 °F	-	48.0 °F	100%	29.89 in	0.8 mi	Calm	Calm	-	N/A		Mist
4:15 AM	48.0 °F	-	48.0 °F	100%	29.87 in	1.0 mi	Calm	Calm	-	N/A		Overcast
4:48 AM	48.2 °F	-	48.2 °F	100%	29.87 in	2.5 mi	Calm	Calm	-	0.02 in		Overcast

Time (EST)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
4:53 AM	48.9 °F	-	48.0 °F	97%	29.86 in	2.0 mi	Calm	Calm	-	0.02 in		Overcast
5:01 AM	48.0 °F	-	48.0 °F	100%	29.86 in	1.2 mi	Calm	Calm	-	N/A		Overcast
5:19 AM	48.9 °F	-	48.0 °F	97%	29.86 in	0.5 mi	SE	4.6 mph	-	N/A	Fog	Fog
5:53 AM	48.0 °F	-	48.0 °F	100%	29.84 in	0.5 mi	Calm	Calm	-	N/A	Fog	Fog
6:06 AM	48.9 °F	-	48.0 °F	97%	29.84 in	0.8 mi	Calm	Calm	-	N/A		Mist
6:48 AM	48.2 °F	-	48.2 °F	100%	29.80 in	0.2 mi	East	4.6 mph	-	N/A	Fog	Fog
6:53 AM	48.9 °F	-	48.0 °F	97%	29.80 in	0.2 mi	Variable	3.5 mph	-	N/A	Fog	Fog
7:16 AM	50.0 °F	-	48.9 °F	96%	29.80 in	0.5 mi	Calm	Calm	-	N/A	Fog	Fog
7:42 AM	48.9 °F	-	48.9 °F	100%	29.77 in	0.2 mi	SSE	5.8 mph	-	N/A	Fog	Fog
7:53 AM	48.9 °F	-	48.0 °F	97%	29.77 in	0.2 mi	SSE	6.9 mph	-	N/A	Fog	Fog
8:04 AM	48.9 °F	-	48.0 °F	97%	29.77 in	0.1 mi	South	6.9 mph	-	N/A	Fog	Fog
8:53 AM	48.0 °F	-	48.0 °F	100%	29.76 in	0.1 mi	SSW	4.6 mph	-	N/A	Fog	Fog
9:00 AM	48.9 °F	-	48.0 °F	97%	29.75 in	0.2 mi	South	6.9 mph	-	N/A	Fog	Fog

Time (EST)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
9:07 AM	48.9 °F	-	48.0 °F	97%	29.75 in	0.1 mi	South	10.4 mph	-	N/A	Fog	Fog
9:13 AM	48.0 °F	-	48.0 °F	100%	29.74 in	0.2 mi	South	10.4 mph	-	N/A	Fog	Fog
9:23 AM	48.0 °F	-	46.9 °F	96%	29.74 in	0.2 mi	South	9.2 mph	-	N/A	Fog	Fog
9:53 AM	48.0 °F	-	48.0 °F	100%	29.73 in	0.1 mi	South	10.4 mph	-	N/A	Fog	Fog
10:38 AM	48.0 °F	-	48.0 °F	100%	29.72 in	0.1 mi	Variable	3.5 mph	-	0.00 in	Fog, Rain, Thunderstorm	Light Rain
10:53 AM	48.0 °F	-	48.0 °F	100%	29.69 in	0.1 mi	SSE	4.6 mph	-	0.00 in	Fog	Fog
11:04 AM	48.0 °F	-	48.0 °F	100%	29.70 in	0.1 mi	Calm	Calm	-	0.00 in	Fog, Rain, Thunderstorm	Thunderstorms and Rain
11:14 AM	46.9 °F	-	46.9 °F	100%	29.68 in	0.2 mi	Variable	3.5 mph	-	0.13 in	Fog, Rain, Thunderstorm	Thunderstorms and Rain
11:20 AM	48.0 °F	-	48.0 °F	100%	29.68 in	1.0 mi	South	3.5 mph	-	0.13 in	Rain, Thunderstorm	Thunderstorms and Rain
11:38 AM	46.9 °F	-	46.9 °F	100%	29.67 in	1.5 mi	South	5.8 mph	-	0.14 in	Rain	Light Rain
11:45 AM	48.0 °F	-	48.0 °F	100%	29.70 in	0.5 mi	SW	6.9 mph	-	0.14 in	Fog	Fog
11:53 AM	46.9 °F	-	46.9 °F	100%	29.67 in	0.5 mi	South	9.2 mph	-	0.20 in	Fog, Rain, Thunderstorm	Heavy Thunderstorms and Rain
12:13 PM	46.9 °F	-	46.9 °F	100%	29.66 in	0.5 mi	South	10.4 mph	-	0.01 in	Fog, Rain, Thunderstorm	Light Rain



Time (EST)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
12:19 PM	48.0 °F	-	46.9 °F	96%	29.63 in	0.2 mi	South	9.2 mph	-	0.02 in	Fog , Rain	Light Rain
12:42 PM	48.9 °F	-	48.0 °F	97%	29.58 in	0.2 mi	South	10.4 mph	-	0.02 in	Fog , Rain	Light Rain
12:53 PM	48.0 °F	-	48.0 °F	100%	29.58 in	0.2 mi	South	9.2 mph	-	0.02 in	Fog	Fog
1:53 PM	50.0 °F	-	48.9 °F	96%	29.54 in	0.2 mi	South	15.0 mph	20.7 mph	0.00 in	Fog	Fog
2:53 PM	46.9 °F	-	46.9 °F	100%	29.55 in	0.2 mi	SSW	5.8 mph	-	N/A	Fog	Fog
3:48 PM	51.8 °F	-	51.8 °F	100%	29.51 in	0.5 mi	SSW	3.5 mph	-	N/A	Fog	Fog
3:53 PM	52.0 °F	-	52.0 °F	100%	29.51 in	0.5 mi	SSW	3.5 mph	-	N/A	Fog	Fog
4:40 PM	51.1 °F	-	51.1 °F	100%	29.43 in	0.2 mi	SE	4.6 mph	-	N/A	Fog	Fog
4:50 PM	51.8 °F	-	51.8 °F	100%	29.42 in	0.5 mi	SSE	8.1 mph	-	N/A	Fog	Fog
4:53 PM	51.1 °F	-	50.0 °F	96%	29.41 in	0.5 mi	SE	8.1 mph	-	N/A	Fog	Fog
5:06 PM	50.0 °F	-	50.0 °F	100%	29.44 in	1.2 mi	SSE	9.2 mph	-	N/A		Overcast
5:15 PM	50.0 °F	-	48.9 °F	96%	29.44 in	0.5 mi	SSE	4.6 mph	-	N/A	Fog	Fog
5:33 PM	50.0 °F	-	50.0 °F	100%	29.44 in	2.0 mi	SSW	5.8 mph	-	N/A		Overcast

Time (EST)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
5:38 PM	50.0 °F	-	50.0 °F	100%	29.45 in	4.0 mi	SW	3.5 mph	-	N/A		Overcast
5:46 PM	50.0 °F	-	50.0 °F	100%	29.44 in	4.0 mi	SSW	5.8 mph	-	N/A		Mostly Cloudy
5:53 PM	50.0 °F	-	50.0 °F	100%	29.44 in	4.0 mi	SW	4.6 mph	-	N/A		Mostly Cloudy
6:53 PM	52.0 °F	-	50.0 °F	93%	29.44 in	9.0 mi	SW	9.2 mph	-	N/A		Mostly Cloudy
7:53 PM	54.0 °F	-	50.0 °F	86%	29.44 in	10.0 mi	SW	6.9 mph	-	N/A		Clear
8:53 PM	53.1 °F	-	48.9 °F	86%	29.43 in	10.0 mi	SW	5.8 mph	-	N/A		Clear
9:53 PM	52.0 °F	-	48.0 °F	86%	29.42 in	10.0 mi	SW	5.8 mph	-	N/A		Clear
10:53 PM	48.9 °F	-	45.0 °F	86%	29.40 in	10.0 mi	WSW	5.8 mph	-	N/A		Clear
11:53 PM	48.0 °F	-	44.1 °F	86%	29.39 in	10.0 mi	SW	9.2 mph	-	N/A		Clear

# New Haven, CT

Tweed-New Haven

© 3:47 PM EDT on August 03, 2017 (GMT -0400)

## Weather History for KHAVN - April, 2017

April

4

2017

**View**

Tuesday, April 4, 2017

**Daily** Weekly Monthly Custom

	Actual	Average	Record
Temperature			
Mean Temperature	44 °F	-	
Max Temperature	48 °F	50 °F	67 °F (1974)
Min Temperature	42 °F	36 °F	27 °F (2016)

Degree Days

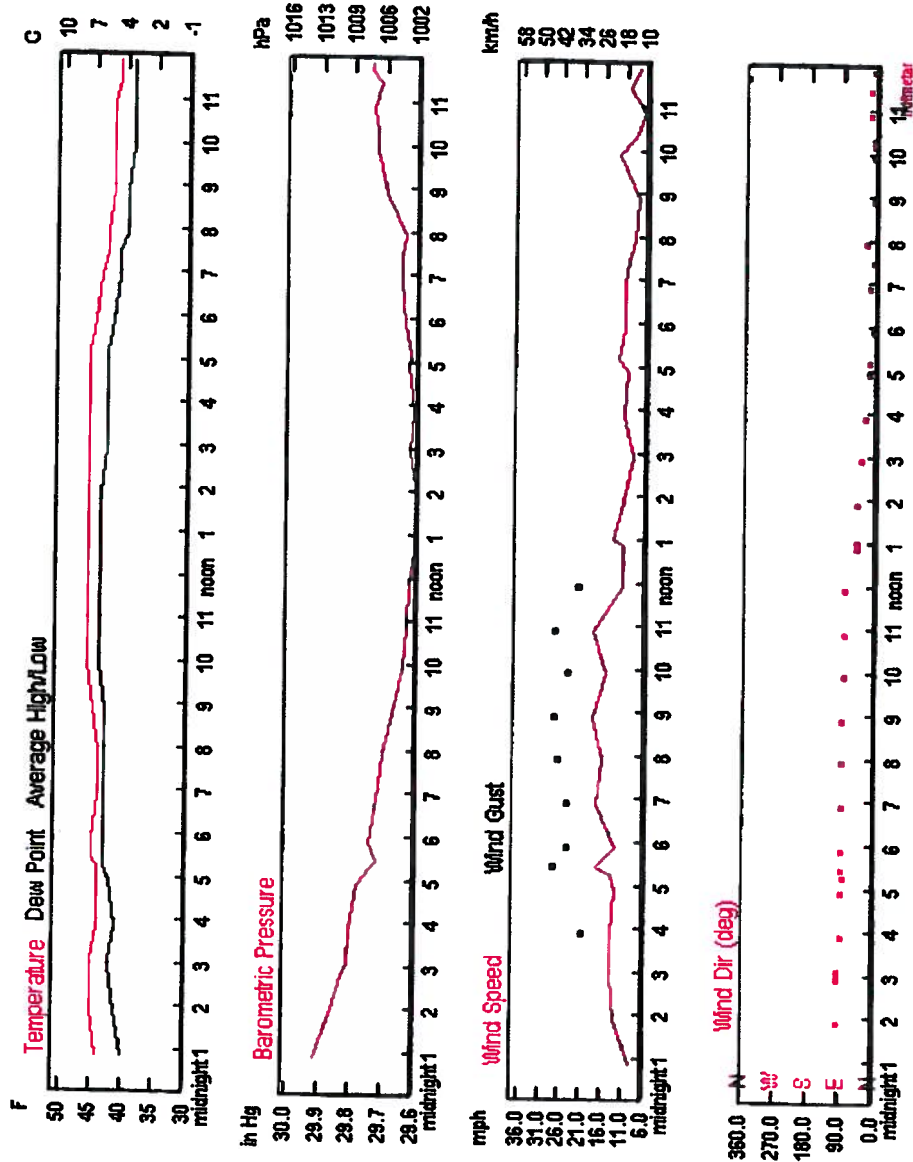
	Actual	Average	Record
Heating Degree Days	21		
Moisture			
Dew Point	43 °F		
Average Humidity	91		
Maximum Humidity	97		
Minimum Humidity	86		
Precipitation			
Precipitation	1.13 in	-	-0
Sea Level Pressure			
Sea Level Pressure	29.70 in		
Wind			
Wind Speed	12 mph (NE)		
Max Wind Speed	18 mph		
Max Gust Speed	28 mph		
Visibility	7 miles		
Events	Rain		

Averages and records for this station are not official NWS values.

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary

### Daily Weather History Graph



Search for Another Location

Airport or City:

KHVN

**Submit**

### Trip Planner

Search our weather history database for the weather conditions in past years. The results will help you decide how hot, cold, wet, or windy it might be!

**Date:**

April

4

**Submit**

### Astronomy

Apr. 04, 2017

Actual Time

Civil Twilight

Nautical Twilight

Astronomical Twilight

Moon

Length of Visible Light

Rise

6:29 AM EDT

6:01 AM EDT

5:28 AM EDT

4:53 AM EDT

12:47 PM EDT (4/4)

13h 46m

Set

7:20 PM EDT

7:48 PM EDT

8:21 PM EDT

8:56 PM EDT

2:36 AM EDT (4/4)

**Apr. 04, 2017** **Set**  
 Rise Apr 26  
 Length of Day 12h 50m May 2

First Quarter, 60% of the Moon is Illuminated

Apr 4	Apr 11	Apr 19	Apr 26	May 2
First Quarter	Full	Last Quarter	New	First Quarter

Hourly Weather History & Observations

Time (EDT)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
12:53 AM	45.0 °F	40.1 °F	41.0 °F	86%	29.91 in	10.0 mi	East	9.2 mph	-	0.00 in		Overcast
1:53 AM	46.0 °F	40.2 °F	42.1 °F	86%	29.86 in	9.0 mi	East	12.7 mph	-	0.00 in	Rain	Light Rain
2:53 AM	46.0 °F	39.9 °F	43.0 °F	89%	29.82 in	10.0 mi	East	13.8 mph	-	0.02 in	Rain	Light Rain
3:05 AM	46.0 °F	39.9 °F	43.0 °F	89%	29.81 in	7.0 mi	East	13.8 mph	20.7 mph	0.00 in	Rain	Light Rain
3:53 AM	45.0 °F	38.5 °F	42.1 °F	90%	29.80 in	4.0 mi	East	13.8 mph	20.7 mph	0.10 in	Rain	Rain
4:53 AM	45.0 °F	38.9 °F	43.0 °F	93%	29.78 in	2.5 mi	East	12.7 mph	-	0.36 in	Rain	Heavy Rain


Time (EDT)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
5:15 AM	45.0 °F	38.5 °F	44.1 °F	97%	29.74 in	2.5 mi	East	13.8 mph	21.9 mph	0.15 in	Rain	Heavy Rain
5:26 AM	46.0 °F	39.0 °F	44.1 °F	93%	29.72 in	2.0 mi	East	17.3 mph	27.6 mph	0.24 in	Rain	Heavy Rain
5:53 AM	46.0 °F	40.2 °F	44.1 °F	93%	29.74 in	2.0 mi	East	12.7 mph	24.2 mph	0.40 in	Rain	Heavy Rain
6:53 AM	45.0 °F	37.6 °F	44.1 °F	97%	29.72 in	2.0 mi	East	17.3 mph	24.2 mph	0.20 in	Rain	Light Rain
7:53 AM	45.0 °F	37.9 °F	44.1 °F	97%	29.70 in	1.5 mi	East	16.1 mph	26.5 mph	0.05 in	Rain	Light Rain
8:53 AM	46.0 °F	38.8 °F	44.1 °F	93%	29.67 in	1.5 mi	East	18.4 mph	27.6 mph	0.00 in		Overcast
9:53 AM	46.9 °F	-	45.0 °F	93%	29.64 in	1.5 mi	East	15.0 mph	24.2 mph	0.00 in		Overcast
10:53 AM	46.9 °F	-	45.0 °F	93%	29.63 in	1.5 mi	East	18.4 mph	27.6 mph	N/A		Overcast
11:53 AM	46.9 °F	-	45.0 °F	93%	29.62 in	1.5 mi	East	11.5 mph	21.9 mph	N/A		Overcast
12:53 PM	46.9 °F	-	45.0 °F	93%	29.60 in	1.5 mi	NE	11.5 mph	-	N/A		Overcast
1:00 PM	46.9 °F	-	45.0 °F	93%	29.60 in	3.0 mi	NE	13.8 mph	-	N/A		Overcast
1:53 PM	46.9 °F	-	45.0 °F	93%	29.60 in	3.0 mi	NE	11.5 mph	-	N/A		Overcast



Time (EDT)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
2:53 PM	46.9 °F	-	44.1 °F	90%	29.62 in	9.0 mi	NE	9.2 mph	-	0.00 in	Rain	Light Rain
3:53 PM	46.9 °F	-	44.1 °F	90%	29.61 in	10.0 mi	NNE	11.5 mph	-	0.00 in		Overcast
4:53 PM	46.9 °F	-	44.1 °F	90%	29.63 in	10.0 mi	NNE	10.4 mph	-	0.00 in	Rain	Light Rain
5:10 PM	46.9 °F	-	44.1 °F	90%	29.62 in	10.0 mi	NNE	12.7 mph	-	0.00 in		Overcast
5:53 PM	46.0 °F	40.6 °F	43.0 °F	89%	29.64 in	10.0 mi	North	11.5 mph	-	0.00 in		Overcast
6:53 PM	45.0 °F	39.3 °F	42.1 °F	90%	29.65 in	10.0 mi	NNE	11.5 mph	-	N/A		Overcast
7:29 PM	44.1 °F	38.6 °F	42.1 °F	93%	29.65 in	10.0 mi	North	10.4 mph	-	N/A		Overcast
7:53 PM	44.1 °F	39.0 °F	41.0 °F	89%	29.64 in	10.0 mi	NNE	9.2 mph	-	N/A		Overcast
8:53 PM	43.0 °F	38.2 °F	41.0 °F	93%	29.70 in	10.0 mi	North	8.1 mph	-	0.00 in	Rain	Light Rain
9:53 PM	43.0 °F	36.4 °F	39.9 °F	89%	29.73 in	10.0 mi	North	12.7 mph	-	0.00 in		Overcast
10:09 PM	43.0 °F	37.2 °F	39.9 °F	89%	29.73 in	10.0 mi	North	10.4 mph	-	N/A		Overcast
10:18 PM	43.0 °F	37.7 °F	39.9 °F	89%	29.73 in	10.0 mi	North	9.2 mph	-	N/A		Overcast


Time (EDT)	Temp.	Windchill	Dew Point	Humidity	Pressure	Visibility	Wind Dir	Wind Speed	Gust Speed	Precip	Events	Conditions
10:53 PM	43.0 °F	38.8 °F	39.9 °F	89%	29.74 in	10.0 mi	NNE	6.9 mph	-	N/A		Overcast
11:26 PM	42.1 °F	36.1 °F	39.9 °F	92%	29.72 in	9.0 mi	NNE	10.4 mph	-	0.00 in	Rain	Light Rain
11:42 PM	42.1 °F	36.6 °F	39.9 °F	92%	29.75 in	10.0 mi	North	9.2 mph	-	0.00 in		Mostly Cloudy
11:53 PM	42.1 °F	37.1 °F	39.9 °F	92%	29.75 in	10.0 mi	North	8.1 mph	-	0.00 in		Overcast

|



## National Weather Service

### Advanced Hydrologic Prediction Service



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The precipitation output files have changed formats.

As of approximately 8:15 pm EDT, on June 27, the precipitation file formats were updated as discussed in this [Service Change Notification](#)

Local forecast by City, St

City, St

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By State/County...

**UV Alerts**

Observations

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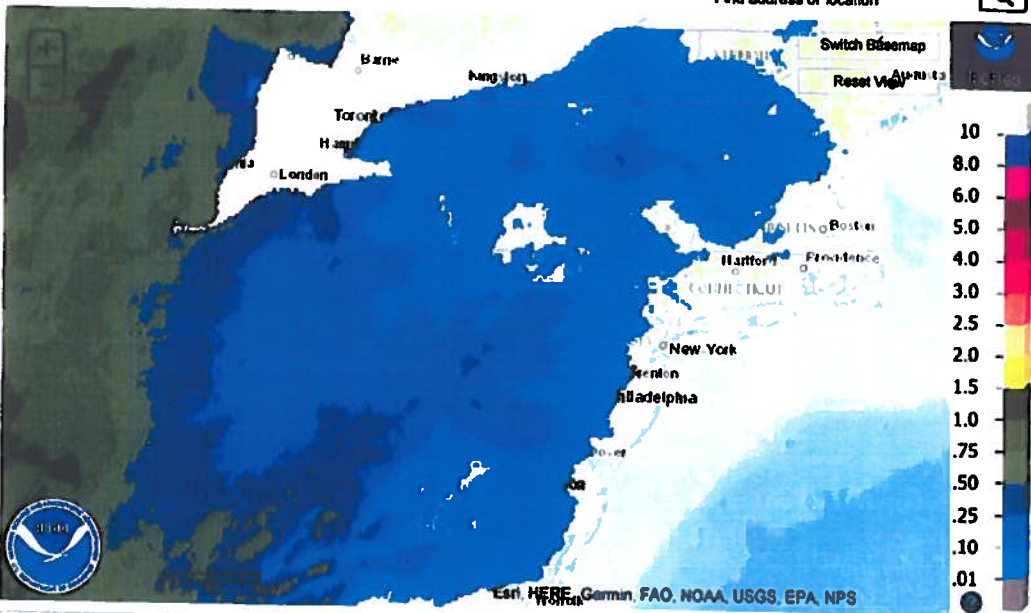
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Displaying November 29, 2016 1-Day Observed Precipitation  
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Year:

Month:

Day:

**Product**

**Units**

Imperial

Metric

**Mouse Location**

Lat: 42.244

Lon: -85.875

**Map Overlays**

Precipitation


County

State


River Forecast Center

Weather Forecast Office

**Location**



**National Weather Service**  
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Local forecast by City, St

City, St

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Displaying March 01, 2017 1-Day Observed Precipitation

Valid on March 01, 2017 12 00 UTC

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Archive Date:

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Monthly

Daily

Year:

Month:

Day:

**Product**

**Units**

Imperial

Metric

**Mouse Location**

Lat: 44.808

Lon: -85.524

**Map Overlays**

Precipitation

County


State

River Forecast Center

Weather Forecast Office


**Location**





## National Weather Service

### Advanced Hydrologic Prediction Service



Local forecast by "City, ST"

City, ST

**RSS** RSS Feeds

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By  
State/County...  
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Observations  
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Snow Cover  
Surface  
Weather...  
Observed Precip  
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MOS Prod  
GFS-LAMP Prod  
Climate  
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Predictions  
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Weather Radio  
Hazard Assem...  
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**The precipitation output files have changed formats.**

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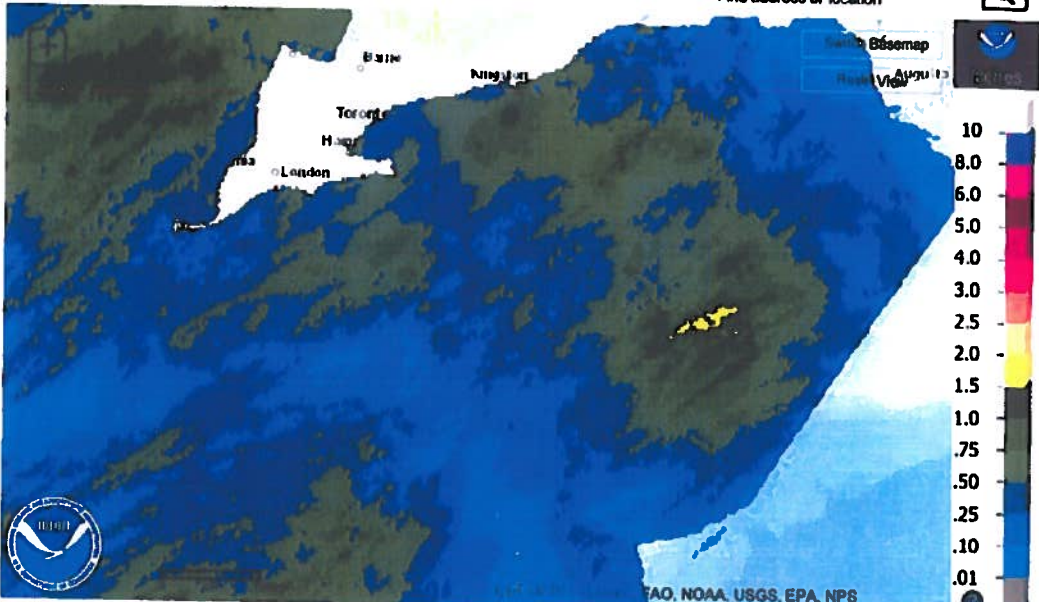
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Valid on April 04, 2017 12:00 UTC

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10  
8.0  
6.0  
5.0  
4.0  
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2.5  
2.0  
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.75  
.50  
.25  
.10  
.01

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Daily   Day:

**Map Overlays**

Precipitation

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**Location**

**Mouse Location**

Lat: 42.260  
Lon: -86.183