July Temperatures

Average Temperature Departure (°F)
July 1-29, 2019

From near normal to 6°F above normal
### July Temperatures

#### Time Series Summary for Hartford Area, CT (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

<table>
<thead>
<tr>
<th>Rank</th>
<th>Year-Month</th>
<th>Number of Days</th>
<th>Max Temperature &gt;= 90</th>
<th>Missing Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2019-07</td>
<td>17</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>-</td>
<td>2016-07</td>
<td>17</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>1966-07</td>
<td>16</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>-</td>
<td>1955-07</td>
<td>16</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>2010-07</td>
<td>15</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>6</td>
<td>2002-08</td>
<td>14</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>-</td>
<td>1999-07</td>
<td>14</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>-</td>
<td>1988-08</td>
<td>14</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>-</td>
<td>1977-07</td>
<td>14</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>-</td>
<td>1952-07</td>
<td>14</td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>
Min Temps:
- Tied all-time warmest on record (since 1872) for Boston and warmest for July for Providence (since 1904)
- Ranked among 10 all-time warmest for at least 12 sites
- Ranked among 10 warmest for July for at least 17 sites

July Heat Wave

July 19-22:
- Max temps reached ~100°F
- High humidity levels
- Felt like it was 114°F in some places
  - Excessive Heat Warnings

July Heat Wave

July 19-22:
- Max temps reached ~100°F
- High humidity levels
- Felt like it was 114°F in some places
  - Excessive Heat Warnings

Min Temps:
- Tied all-time warmest on record (since 1872) for Boston and warmest for July for Providence (since 1904)
- Ranked among 10 all-time warmest for at least 12 sites
- Ranked among 10 warmest for July for at least 17 sites

Min Temps:
- Tied all-time warmest on record (since 1872) for Boston and warmest for July for Providence (since 1904)
- Ranked among 10 all-time warmest for at least 12 sites
- Ranked among 10 warmest for July for at least 17 sites

Min Temps:
- Tied all-time warmest on record (since 1872) for Boston and warmest for July for Providence (since 1904)
- Ranked among 10 all-time warmest for at least 12 sites
- Ranked among 10 warmest for July for at least 17 sites
July Precipitation

From 25% of normal to more than 200% of normal
July Flash Flooding

Several events during the month – two examples

July 8:
- Washington, D.C., had 3.30” in 1 hour (almost a July’s worth)
- Seneca Creek (MD) rose more than 5 ft. in an hour (below)
- Flash Flood Emergency in D.C.

July 11:
- Reports of 2.50” in 1 hour in Pennsylvania
- Whitemarsh Run (MD) rose more than 6 ft. in 1 hour
- Flash Flood Emergency (Southeast Pennsylvania)
July Severe Weather

Numerous days with thunderstorms but few tornadoes:
- Northeast’s July average is 13
- July 2019 had 5

New Jersey:
- an EF-0 and EF-1

Massachusetts:
- three EF-1s on Cape Cod
- Only 3 other Cape Cod tornadoes since 1950
Mid-July:
• 1% of the region was abnormally dry
• improved the following week
Groundwater Status

<table>
<thead>
<tr>
<th>Explanation - Percentile Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
</tr>
<tr>
<td>Much below normal: &lt;10%</td>
</tr>
<tr>
<td>Below normal: 10-24%</td>
</tr>
<tr>
<td>Normal: 25-75%</td>
</tr>
<tr>
<td>Above normal: 76-90%</td>
</tr>
<tr>
<td>Much above normal: &gt;90%</td>
</tr>
<tr>
<td>High</td>
</tr>
</tbody>
</table>

Data provided by USGS Groundwater Watch - Climate Response Network.
7 Day QPF
Valid: 12Z 07/30/19 - 12Z 08/06/19

Explanation - Forecast precipitation (inches)

Data provided by DOC/NOAA/NWS/NCEP/WPC
Short-term Outlooks
Contact Information

- nrcc@cornell.edu
- 607-255-1751

Upcoming Webinars

- Thursday, August 29 at 9:30 am
  - Updated Hurricane Outlook

- Thursday, September 26 at 9:30 am
  - Massachusetts Hazards and Climate Vulnerability Assessment

- Thursday, October 31 at 9:30 am
  - Report Out on our Special Extreme Precip Webinar Series & Regional Workshop

www.nrcc.cornell.edu