Year-in-Review: Precipitation and Temperatures

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State Climate Office of North Carolina, NCSU
Spring 2014

90-Day SPI for May 31, 2014
Spring 2014

Season-to-Date Mean Temperature Percentiles for May 31, 2014
Summer 2014

Season-to-Date Temperature Percentiles for August 31, 2014

Maximum

Minimum

Legend
Percentile

≥ 96%
≥ 95%
≥ 90%
≥ 75%
≥ 50%
≥ 25%
≥ 10%
≥ 5%
≥ 2%

* Indicates tied percentile
Summer 2014

90-Day SPI for August 31, 2014
Hurricane Arthur

- Landfall as category-2 storm on July 3rd near Beaufort, NC
- Earliest known landfalling storm in NC

Precipitation on July 3rd-4th, 2014
Season-to-Date Temperature Percentiles for November 30, 2014

Legend

<table>
<thead>
<tr>
<th>Percentile</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 95%</td>
<td>Red</td>
</tr>
<tr>
<td>&gt; 90%</td>
<td>Orange</td>
</tr>
<tr>
<td>&gt; 75%</td>
<td>Yellow</td>
</tr>
<tr>
<td>&gt; 50%</td>
<td>Green</td>
</tr>
<tr>
<td>&gt; 25%</td>
<td>Light Blue</td>
</tr>
<tr>
<td>&gt; 10%</td>
<td>Dark Blue</td>
</tr>
<tr>
<td>&gt; 5%</td>
<td>Blue</td>
</tr>
<tr>
<td>&gt; 2%</td>
<td>Purple</td>
</tr>
</tbody>
</table>

* Indicates 1st percentile
Autumn 2014

90-Day SPI for November 30, 2014
USDM November 25, 2014

30-Day SPI, November 25, 2014

60-Day SPI, November 25, 2014

90-Day SPI, November 25, 2014
Winter 2014-2015

Precipitation Percentiles

SPI

Exceptional
-2
Extreme
-1.5
Severe
-1.2
Moderate
-0.7
Abnormal
-0.5
Normal
0
Abnormal
0.5
Moderate
1.2
Severe
1.5
Exceptional
2
Winter 2014-2015

3-month Temperature Percentiles ending February 28, 2015

Legend

<table>
<thead>
<tr>
<th>Percentile</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>≥ 96%</td>
<td>Red</td>
</tr>
<tr>
<td>≥ 95%</td>
<td>Orange</td>
</tr>
<tr>
<td>≥ 90%</td>
<td>Yellow</td>
</tr>
<tr>
<td>≥ 75%</td>
<td>Green</td>
</tr>
<tr>
<td>≥ 25%</td>
<td>Light blue</td>
</tr>
<tr>
<td>≤ 10%</td>
<td>Medium blue</td>
</tr>
<tr>
<td>≤ 5%</td>
<td>Dark blue</td>
</tr>
<tr>
<td>≤ 2%</td>
<td>Dark purple</td>
</tr>
</tbody>
</table>

* Indicates 99 percentile
Spring 2015 So Far

60-Day SPI ending April 28, 2015

Season-to-Date Precipitation Percentiles ending April 26, 2015
Spring 2015 So Far

Season to date temperature departures from normal, ending April 26, 2015
Last 2-Weeks (ending April 26, 2015)

14-Day Temperature departures from normal
Last 2-Weeks (ending April 28, 2015)
Last 2-Weeks (ending April 28, 2015)

7-Day Percent of Normal

14-Day Percent of Normal
In Conclusion

- Temperatures: cool
- Precipitation
  - No huge deficits
  - Some places to keep an eye on

- www.nc-climate.ncsu.edu/drought
- www.nc-climate.ncsu.edu/water/map