



June 2017 Mid-South Climate Summary

OVERVIEW

June, the first month of meteorological summer, witnessed a varied climate around the Mid-South. Some locales recorded near normal temperatures, with others abnormally cooler, while precipitation totals ranged from dry to very wet.

TEMPERATURE

Temperatures spanned from near normal to cooler than normal at the four official climate sites during the month. Daily high temperatures did not exceed 94.0 degrees, while overnight low temperatures did not fall below 53.0 degrees.

As usual, Memphis was the warmest of the official sites with an average monthly temperature of 78.4 degrees. This was actually 1.2 degrees *COOLER* than normal, a feat not often observed at the site during the past year. Further, this was the first time Memphis had recorded a cooler than normal month of June since 2004. Despite this, the site remains 3.5 degrees warmer than normal for 2017 to date, now at the midway point. Similarly, Tupelo's monthly average temperature was 1.5 degrees cooler than normal, but the site remains 3.6 degrees warmer than normal for the year. While Memphis was the warmest month, Jonesboro was not far behind, with its average monthly temperature only 0.5 degrees cooler than Memphis'. This was warm enough for Jonesboro to end the month with a near normal monthly average temperature, just 0.1 degree above the normal.

Jonesboro is also warmer than normal at this midway point in 2017, currently by 3.7 degrees. It was also Jonesboro that recorded the warmest daily high temperature of the four official sites, with 94.0 degrees. Very rarely do average monthly temperatures align perfectly with monthly climate normals, but Jackson did just that with its June average temperature. The site recorded an average monthly temperature of 76.2 degrees, a departure of 0.0 degrees from the normal, and also recorded the coolest daily minimum temperature of the four sites with 53.0 degrees. Jackson also has the greatest average temperature departure of the four sites for the year to date, currently at 4.2 degrees warmer than normal.

Though June did not exhibit warmer than normal departures from normal, the month contributed to the first half of what has been an abnormally warm year thus far. The first half of 2017 has been so warm around the Mid-South all four climate sites landed in the top 10 warmest such periods on record:

January – June Notables:

- Memphis- #2 Warmest January - June at 62.7 degrees
- Jackson- #2 Warmest January - June at 60.3 degrees
- Jonesboro- #7 Warmest January - June at 59.7 degrees
- Tupelo- #2 Warmest January - June at 62.4 degrees

June Temperature Data for the Mid-South:

	Memphis	Jackson	Jonesboro	Tupelo
Average Temperature (MONTH)	78.4	76.2	77.9	76.6
Normal Avg. Temp (MONTH)	79.6	76.2	77.8	78.1
Departure from Normal (MONTH)	-1.2	0.0	0.1	-1.5
Average Temperature (YEAR)	62.7	60.3	59.7	62.4
Normal Avg. Temp (YEAR)	59.2	56.1	56.0	58.8
Departure from Normal (YEAR)	3.5	4.2	3.7	3.6
Maximum Temperature	92.0	93.0	94.0	91.0
Minimum Temperature	59.0	53.0	56.0	57.0

PRECIPITATION

In the absence of large scale, areawide precipitation events, summertime precipitation can often be dependent solely on what is received from afternoon thunderstorms. These storms are often scattered around the region, so precipitation becomes less uniform, resulting in varied precipitation totals around the region. This was evident during June, as Jackson and Jonesboro both recorded below normal precipitation amounts, Memphis was near normal, and Tupelo was excessively wet. Much of the latter was contributed to by Tropical Storm Cindy, moving across the Mid-South during the later portion of the month as a tropical depression.

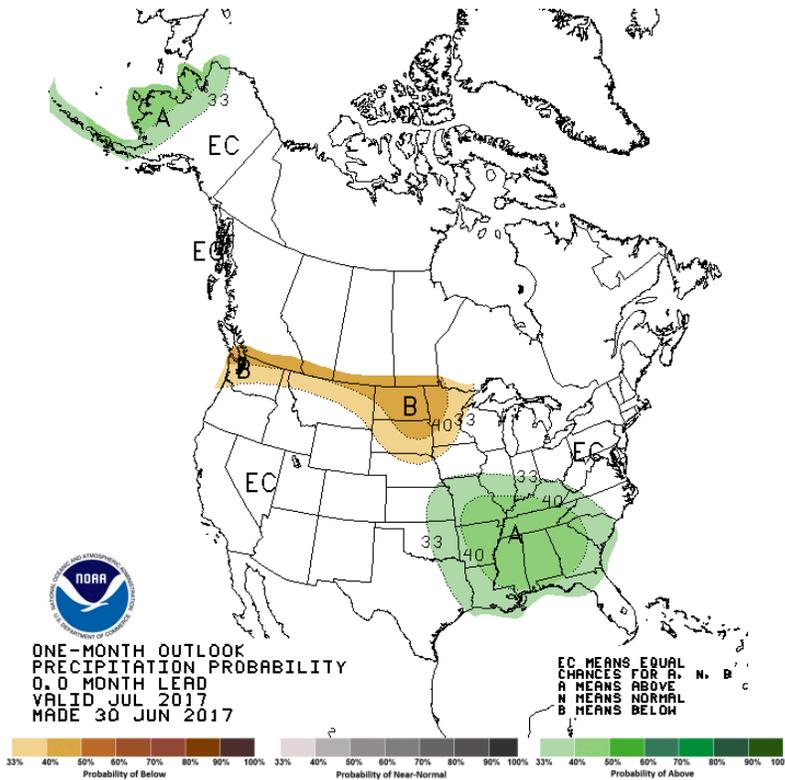
Tupelo's 8.63" of rain during the month made for the 6th wettest June on record at the site, a tie with June 2004. This was enough to be 4.11" wetter than normal for June, and the site is currently 1.27" above for the year to date. Memphis received 4.61" of rain during June, a departure just barely under an inch above normal at 0.98". However, for the year to date Memphis does not fare as well, currently sitting 4.45" drier than normal. Jonesboro received only 2.75" of rainfall for June, which was right at 1.00" drier than normal. Thanks to heavy rains during the month of May, however, Jonesboro still remains 4.91" above normal for the year to date. Finally, Jackson was the driest official site for June, receiving only 2.04". This was 2.80" below the normal, and the site remains below normal for 2017 to date by 3.69".

June Precipitation Data for the Mid-South:

	Memphis	Jackson	Jonesboro	Tupelo
Total Precipitation (MONTH)	4.61	2.04	2.75	8.63
Normal Precipitation (MONTH)	3.63	4.84	3.75	4.52
Departure from Normal (MONTH)	0.98	-2.80	-1.00	4.11
Percent of Normal	127%	42%	73%	191%
Total Precipitation (YEAR)	23.46	24.69	29.94	30.39
Normal Precipitation (YEAR)	27.91	28.38	25.03	29.12
Departure from Normal (YEAR)	-4.45	-3.69	4.91	1.27
Percent of Normal (YEAR)	84%	87%	120%	104%

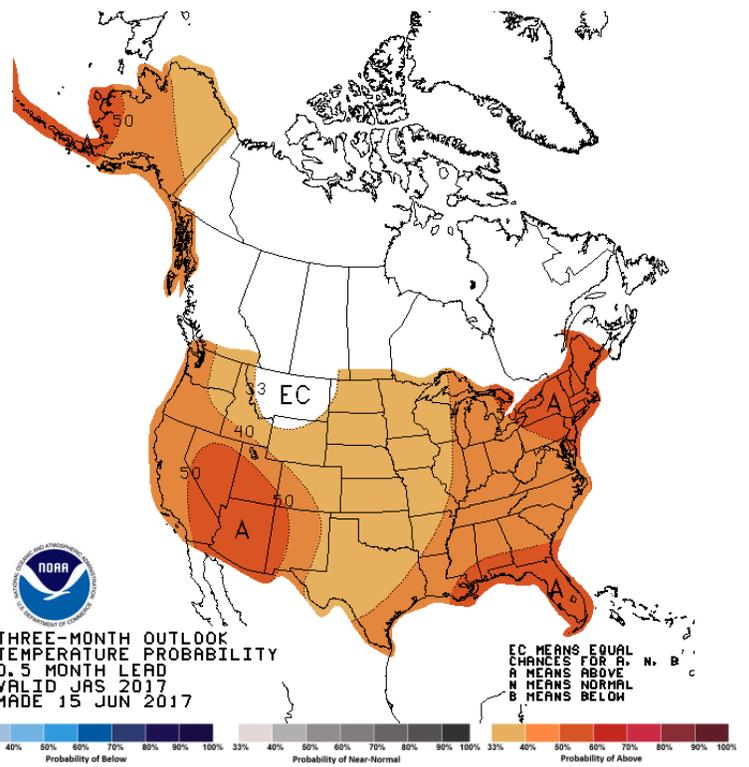
CLIMATE OUTLOOK

Now entering the warmest part of the year for the region, attention turns to the potential for extreme heat and dry conditions, the primary concerns of mid and late summer. Fortunately, temperatures have not been excessively warm yet this summer, with daily highs not exceeding 94.0 degrees at any of the four official sites.



The latest outlooks from the Climate Prediction Center (CPC) depict enhanced chances for a wetter than normal month of July and a warmer than normal three month period encompassing July, August, and September. The one month outlooks for the month of July provide equal chances of above, near, or below normal temperatures, with enhanced odds of above normal precipitation totals. *The precipitation outlook for the month of July can be seen to the left.*

The three month outlooks for the months of July, August, and September collectively currently depict enhanced odds of warmer than normal temperatures during this time period. Meanwhile, the precipitation outlook for the same three month time period currently places the region in an area of equal chances of above, near, or below normal precipitation totals. *The temperature outlook for the three month period of July, August, and September can be seen to the right.*



-Maye