Heatwaves analysis:

August 4-8, 2001: Northeast / midwest

7/29 omega block over the plains causing ridging to build. Block dissipates august 1st. Another form over Alaska keeps ridging in place for days. 8/7 cut-off low in south helped amplify the ridge and make temps skyrocket.

Newark NJ:

August 4th:

* UFS lead time 4 temp: 27.75 C
* UFS reanalysis: 31.4 C

August 6th:

* UFS lead time 6 temp: 28.48 C
* UFS reanalysis: 34 C

August 7th:

* UFS lead time 7 temp: 31.48 C
* UFS reanalysis: 35.85 C

August 9th:

* UFS lead time 9 temp: 30.75 C
* UFS reanalysis: 37.67 C

August 10th:

* UFS lead time 10 temp: 27.69 C
* UFS reanalysis: 35.88 C

Columbus Ohio:

August 4th:

* UFS lead time 4 temp:
* UFS reanalysis:

August 6th:

* UFS lead time 6 temp:
* UFS reanalysis:

August 7th:

* UFS lead time 7 temp:
* UFS reanalysis:

August 9th:

* UFS lead time 9 temp:
* UFS reanalysis:

August 10th:

* UFS lead time 10 temp:
* UFS reanalysis: