

WEDNESDAY FINAL US GRAIN WEATHER

7/26/17 OVERVIEW

Obviously there has been a lot of radar watching since early this morning and it's pretty clear that the rains over western and central Iowa have been breaking up during the morning hours and midday. As I stated the report's however on Tuesday and early Wednesday morningthis sort of weakening in the rain shield is not unexpected. It is common when you get strong thunderstorm development during the overnight hours that once the sun rises... storms and the rain often weaken during the hours of 6:00 AM to 12:00 PM. IF they survived .. storm often re-developing the afternoon heating into the early evening hours. That is very much what we are seeing now - so that this weakening is not a surprise from a forecaster point of view.

From a trading and farming perspective however it appears that the rain IS underperforming. Again I tried to stay over the past several days that there was a high risk that these rains over the WCB when underperform with either actual rainfall amounts and /or the ground coverage. My assessment was based upon

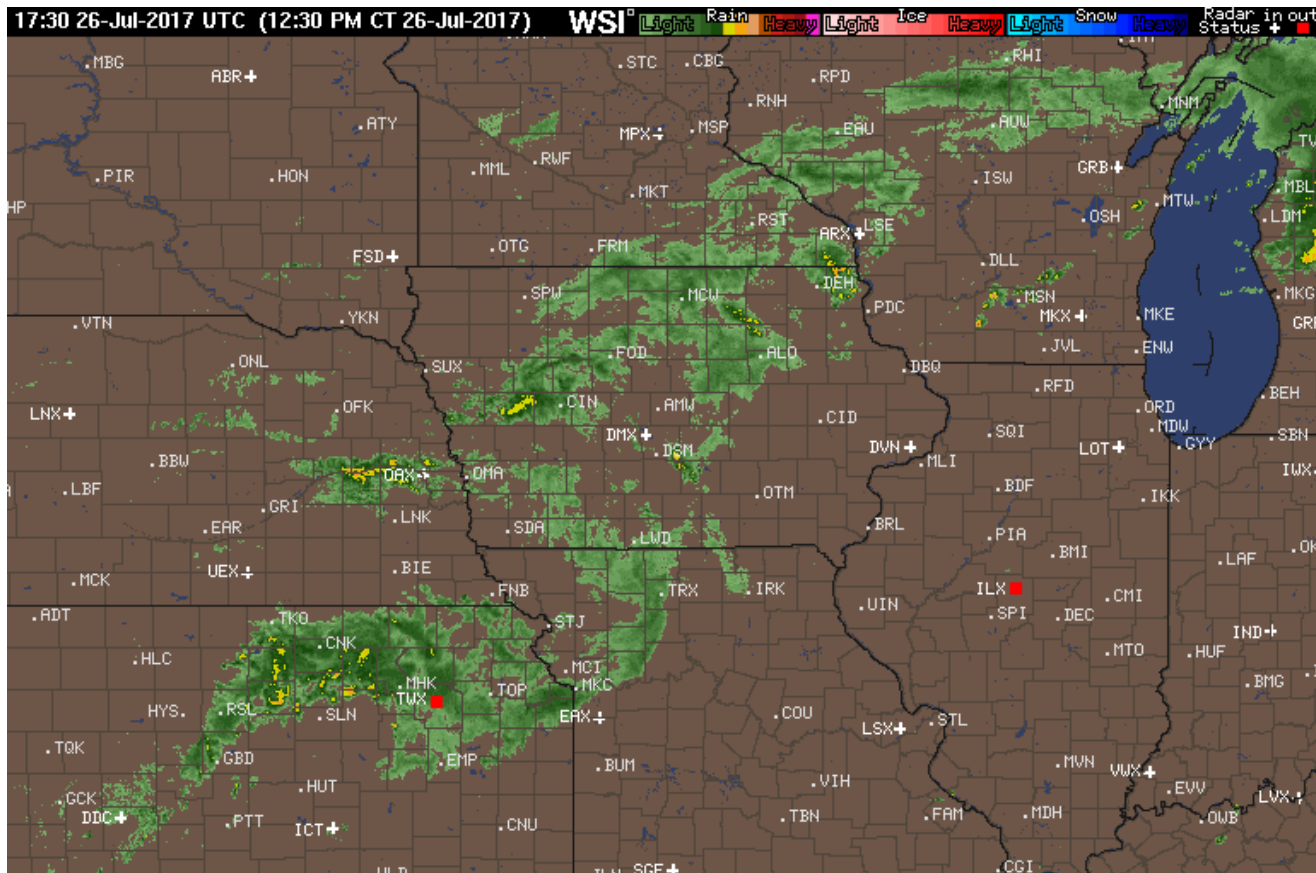
1. the overall seasonal pattern
2. The fact of the GFS model has a tendency of over developing rains
3. many of the short range models were showing large gaps or holes in the rain shield over the past 2 days

Longer term the pattern does not look for promising with regard to more rain chances over the WCB and the upper Plains. The GFS keeps trying to develop these clusters of moderate rain over various portions of the upper Plains and or the WCB but the GFS ensembles in the 6 to 10 day and in the 11 to 15 day keep most of the Plains and the WCB regions rather dry. Temperatures continue to run below normal over most the Midwest all the next week with a slow return to more seasonal temperatures after August 7.

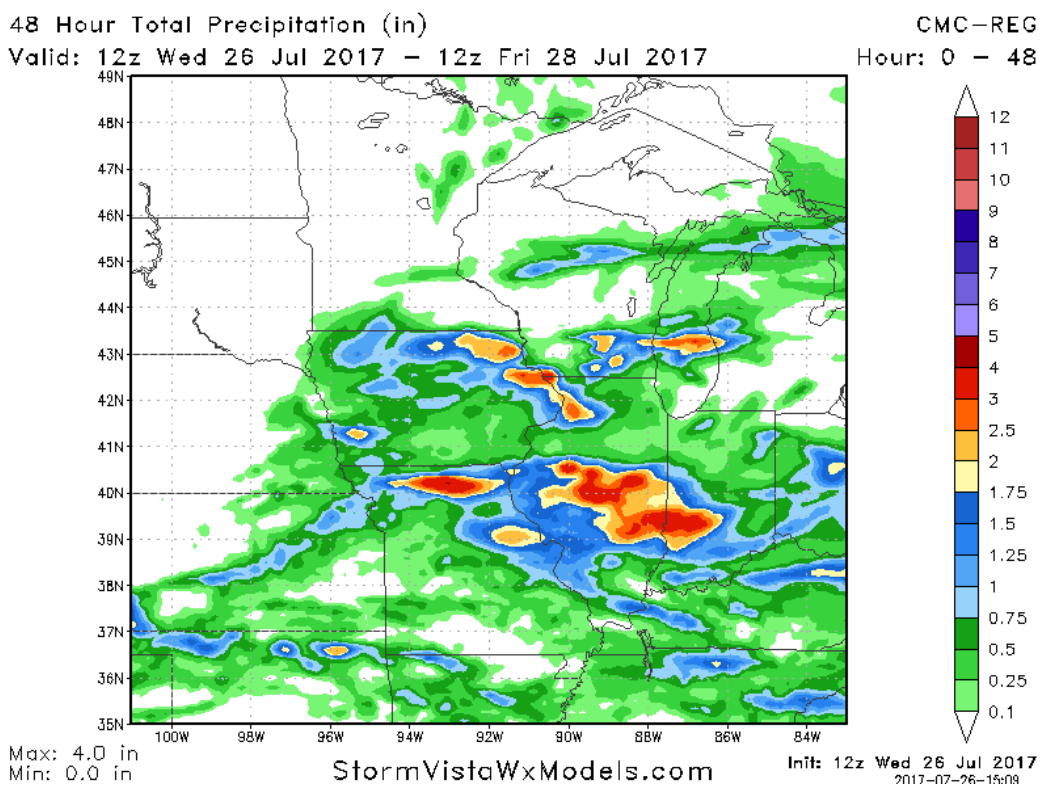
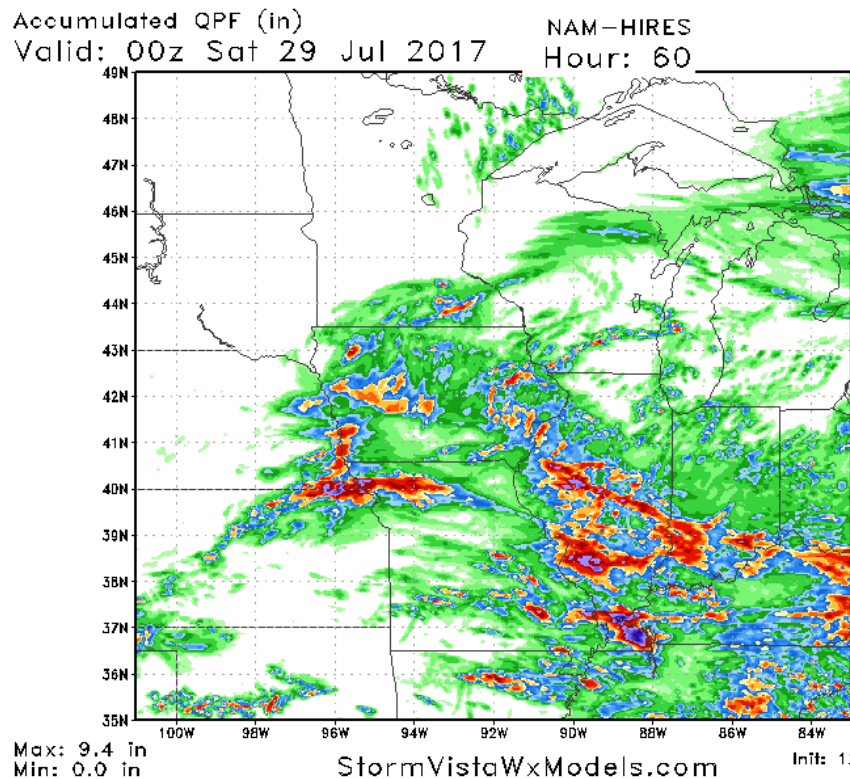
[FAST LOADING RADAR](#)

MAIN ISSUES -- IS THE RAIN OVER WCB UNDERPERFORMING?

Yes it is IF you thought these rains were going to have 70-80% coverage of over eastern Nebraska and Iowa. Even 12 hrs ago the GFS early this morning as well as the GFS on Tuesday and Monday mornings consistently overdid the rainfall amounts and coverage over Iowa. It had too much rain and it was way off with coverage. The area that is most likely to see the best rains in my opinion remains the far eastern portions of Missouri and much of west central ...central ...and southern Illinois which has been quite dry. Those area could get really good rains over next 24-30 hrs. .



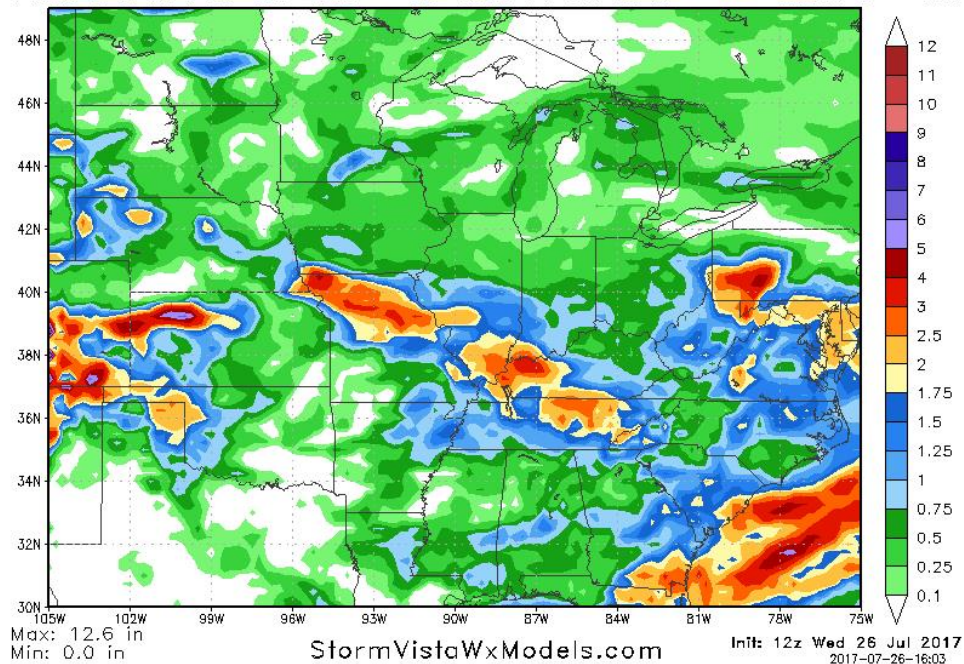
Taking a look of the new data as of midday on Wednesday, July 26 we see some agreement here. First notice that both of these short range models showing large gaps in the rain shield over much of Iowa with the expected coverage now down to about 40%. The NAM model (LEFT) is somewhat wetter than the Canadian model (RIGHT). Second the models to agree that the storms are going to redevelop and bring significant rain to eastern and northeastern portions of Missouri ...and to a large degree over central and southern Illinois over the next 24 hours. Some of this rain will continue into southwest Indiana as well. Rainfall amounts appeared to be again in the general 1 -3"/ 25-75mm with locally higher rainfall amounts to 4-5"/ 100-125mm possible in very small areas over southwestern Illinois.



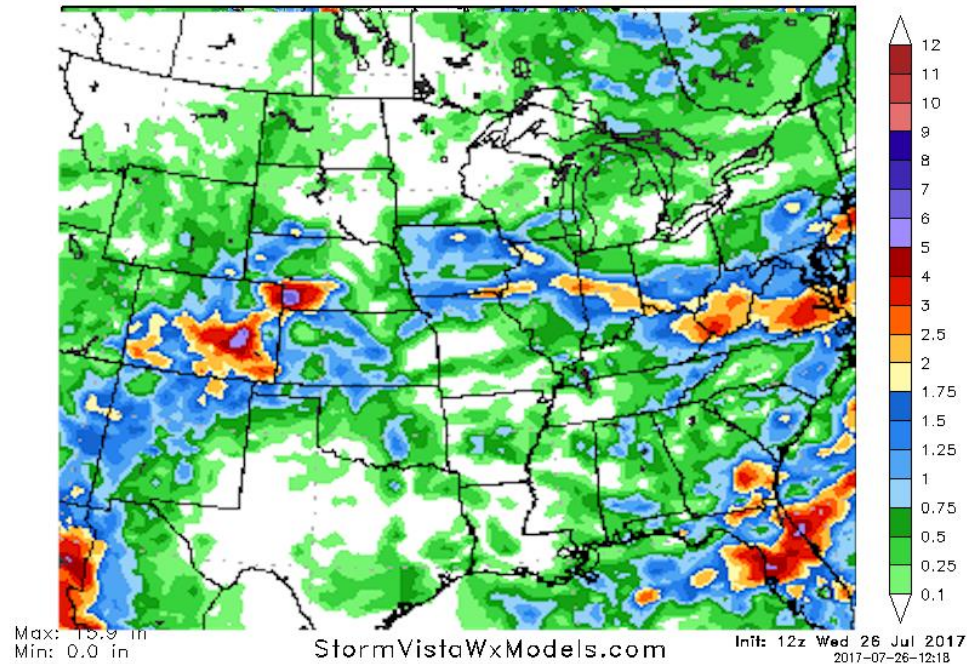
DAYS 3-4-5

This image is a comparison of the regular Wednesday 12Z GFS model (LEFT) and the regular Canadian model (RIGHT)t. Notice that the GFS model has more rain over northern Missouri than the Canadian model does .. while Canadian model has more rain over central Indiana then the GFS model.

120 Hour Total Precipitation (in)
Valid: 12z Wed 26 Jul 2017 - 12z Mon 31 Jul 2017



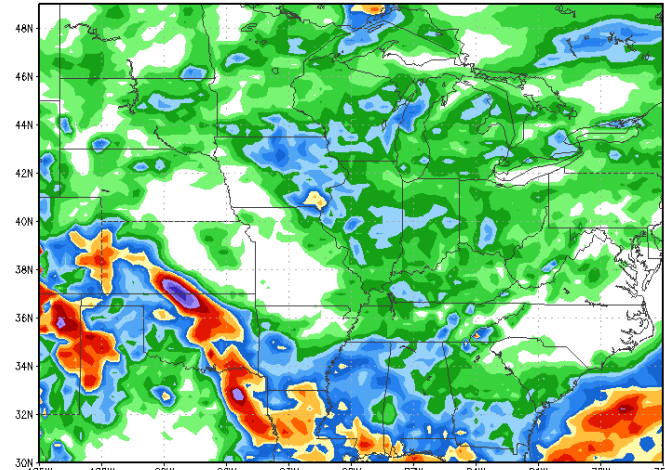
GFS-MAXRES 5 Day Total Precipitation (in)
Valid: 12z Wed 26 Jul 2017 - 12z Mon 31 Jul 2017



6-10 DAY

The operational or regular GFS model (LEFT) is a bit wetter than was this morning with small areas of moderate rain (0.50-1.5"/12-38mm) over 40 to 50% of eastern Iowa ...Illinois ...Indiana and Kentucky. However the GFS ensemble (RIGHT) shows almost completely dry conditions over most of the Midwest. The regular GFS model also shows significant rains over much of southwestern Kansas and central and Eastern Oklahoma into northeastern Texas. This rain is much less impressive on the GFS ensemble..

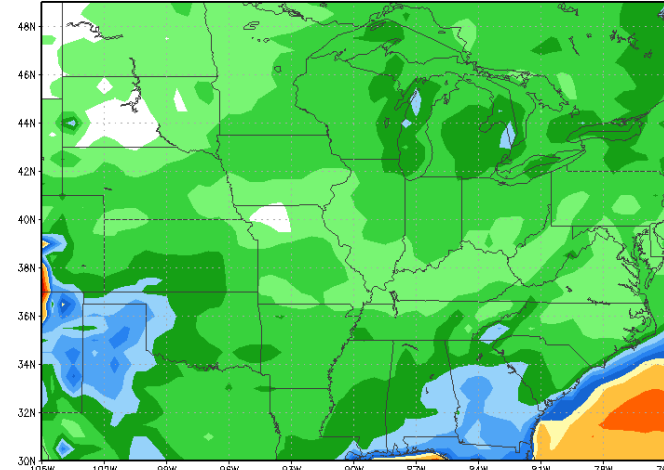
120 Hour Total Precipitation (in)
Valid: 12z Mon 31 Jul 2017 - 12z Sat 05 Aug 2017



Max: 7.9 in
Min: 0.0 in
StormVistaWxModels.com
Init: 12z Wed 26 Jul 2017
2017-07-26-16:40

GFS-MAXRES
Hour: 120 - 240

120 Hour Total Precipitation (in)
Valid: 12z Mon 31 Jul 2017 - 12z Sat 05 Aug 2017

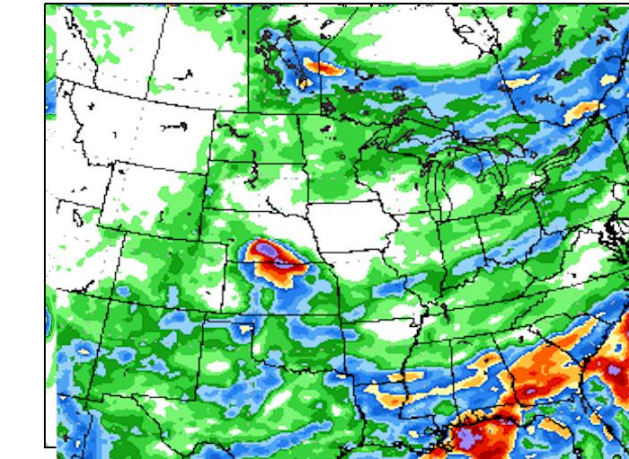


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StormVistaWxModels.com
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2017-07-26-17:18

GFS-ENS-MAXRES
Hour: 120 - 240

Here is the Canadian regular model and it's ensembles . Notice how there is a lot less discrepancy between these two. The operational Canadian model in the 6-10 day has a cluster of heavy storms over north central Kansas and south central Nebraska but outside of that... these two models are in pretty close agreement. There seems the emphasis on significant rains over the Gulf coast states on both of these models while most of Midwest and upper Plains looks pretty dry.

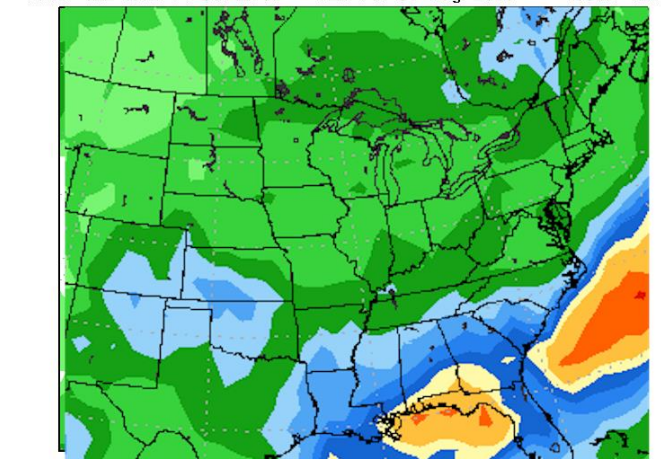
5 Day Total Precipitation (in)
Valid: 12z Mon 31 Jul 2017 - 12z Sat 05 Aug 2017



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StormVistaWxModels.com
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2017-07-26-12:33

CMC
Hour: 120 - 240

5 Day Total Precipitation (in)
Valid: 12z Mon 31 Jul 2017 - 12z Sat 05 Aug 2017

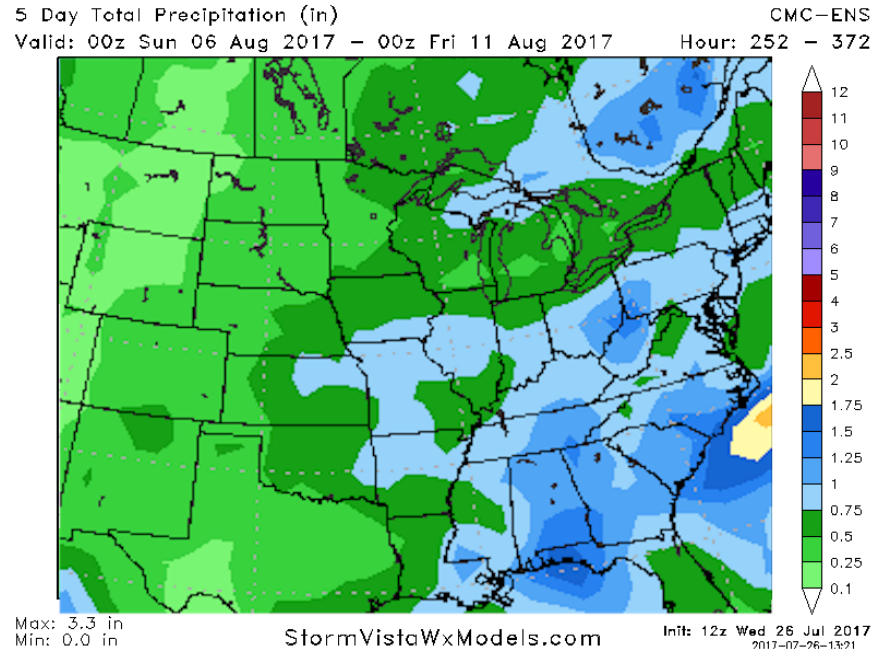
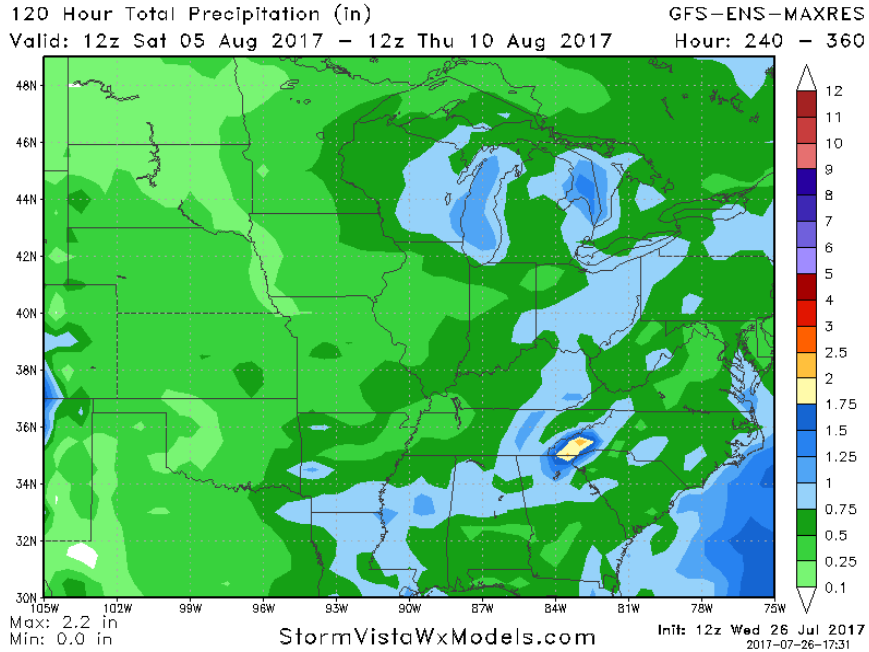


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StormVistaWxModels.com
Init: 12z Wed 26 Jul 2017
2017-07-26-13:12

CMC-ENS
Hour: 120 - 240

11-15 DAY

Both of these models show moderate rains trying to return into portions of the ECB and the Delta region. The Canadian Model is a little faster with the rain getting into portions of Iowa Missouri and eastern Kansas but overall the model agreement here is pretty good between these two extended range models. This is also a pattern which continues to show no sustained heat of any kind



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