HYSPLIT-based forecast product for the Grand Bay Intensive

Based on the t00z NAM-12km forecast generated by the National Weather Service

This forecast starts at UTC 00 for the given date, which is 7 PM the night before in Grand Bay time (GBT). The hours displayed in this product – 9 AM to 8 PM GBT – thus represent hours 14-25 in the 48 hr t00z forecast. The file becomes available to NOAA ARL at ~2:00 AM GBT, and the processing of the data to make this product is generally done by 5:00 – 6 00 GBT.

Trajectories (pages 2-13)

- ❑ One page for each local hour from 9 AM to 8 PM
- ❑ Image in upper left corner is mixing height (m)
- ❑ The other five images are back-trajectory maps, each map representing a starting point at a different elevation (meters) above mean-sea-level (250, 500, 1000, 2000, and 3000)
- ❑ There are nine trajectories shown on each map: one starting at the Grand Bay NERR and on a +/- 1 deg lat/long grid around the NERR
- ❑ The trajectories each go back 96 hours; but the trajectories may not stay on the map for all 96 hours.
- ❑ On each trajectory there is a little dot showing the location at six-hour intervals; and a larger symbol at 00 UTC each day.
- ❑ In the panel below the trajectories, the height above the surface is shown for each trajectory as it goes back in time
- ❑ Note that elevations in trajectory maps are shown as being "above ground level", and the starting heights labels in the panels below each trajectory are shown for the first trajectory run. This happened to started over land where the elevation was ~80m, so, the labels happen to refer to that trajectory, so the labels say ~170, 420, 920, 1920, and 2920.

Wind Direction at Different Elevations (pages 14-25)

- ❑ One page for each local hour from 9 AM to 8 PM
- ❑ Each image shows a map of wind direction, at each grid point in the NAMSF 12-km forecast at a particular vertical level in the met data set
- ❑ There are 6 maps, corresponding approximately to the elevations 10, 250, 500, 1000, 2000, 3000.
- ❑ The met data is on "terrain following sigma levels"; so, the heights above the ground at any given location are influenced by the terrain height.

Meteorological Data Contours (pages 26-37)

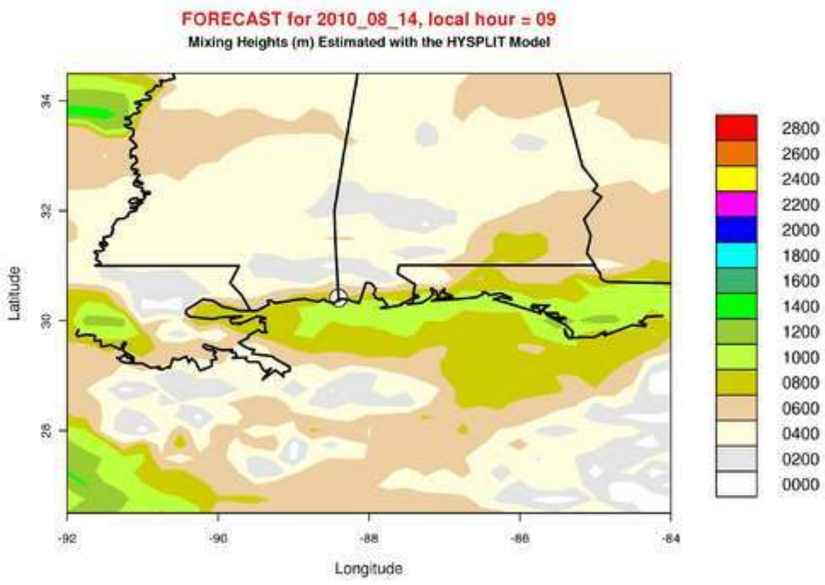
- ❑ One page for each local hour from 9 AM to 8 PM
- ❑ Image in upper left corner and upper middle are the mixing height (same map as shown on Trajectory pages). The two maps are slightly different due do differing interpolation procedures
- ❑ The map in the upper right corner is forecast precipitation, shown as a 3-hr accumulation, ending at that hour; that is the amounts shown are the total forecast precipitation over the previous 3 hrs.
- ❑ Other maps shown are for the following three surface parameters: pressure, downward shortwave radiation flux, and friction velocity

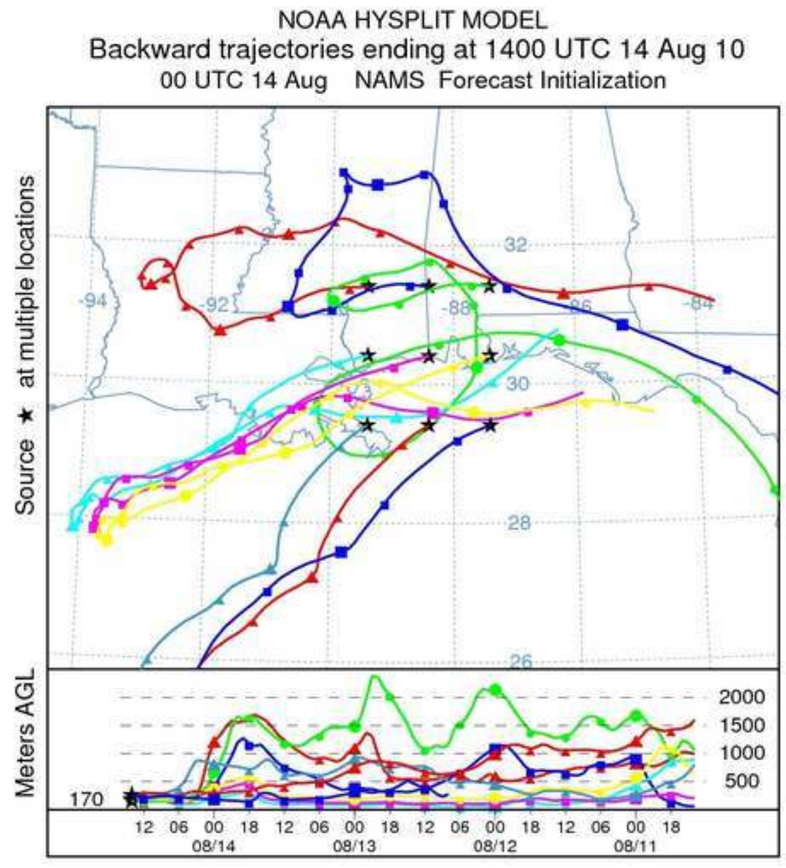
Meteorological Data for Grand Bay NERR (pages 38-50)

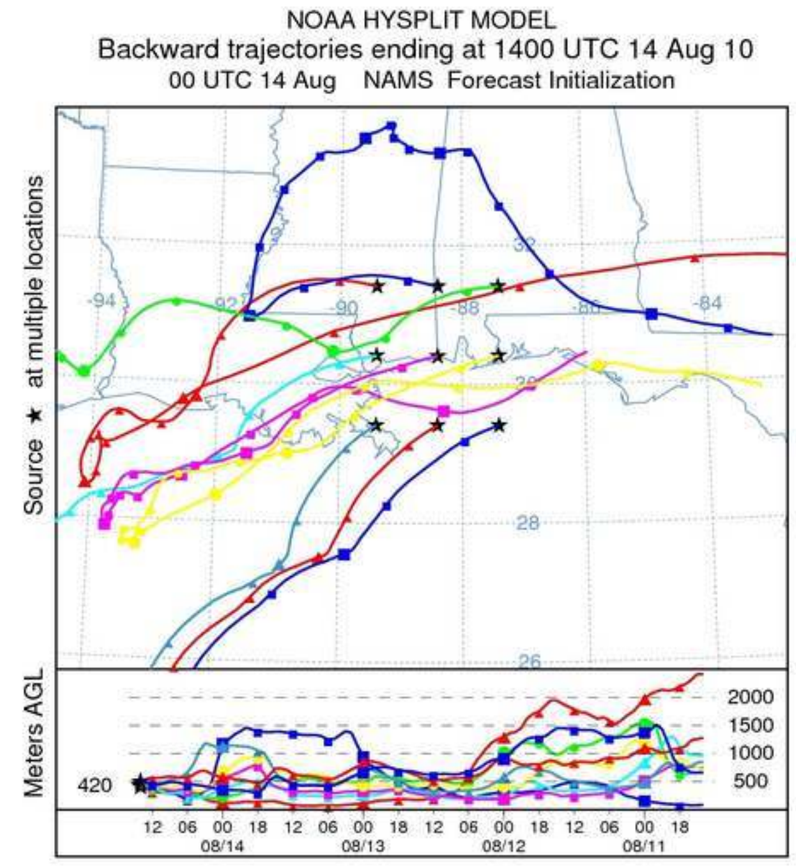
- ❑ Page 38 is description of data that are shown
- ❑ Then, one page for each local hour from 9 AM to 8 PM
- ❑ Each page shows the meteorological data at the surface and at each level of the gridded, forecast meteorological data set.
- ❑ Note that on these pages and throughout, times are expressed in UTC (Universal Time Coordinate). These are currently 5 hrs ahead of Grand Bay, e.g., 9 AM Grand Bay is 2 PM UTC (or UTC 14)

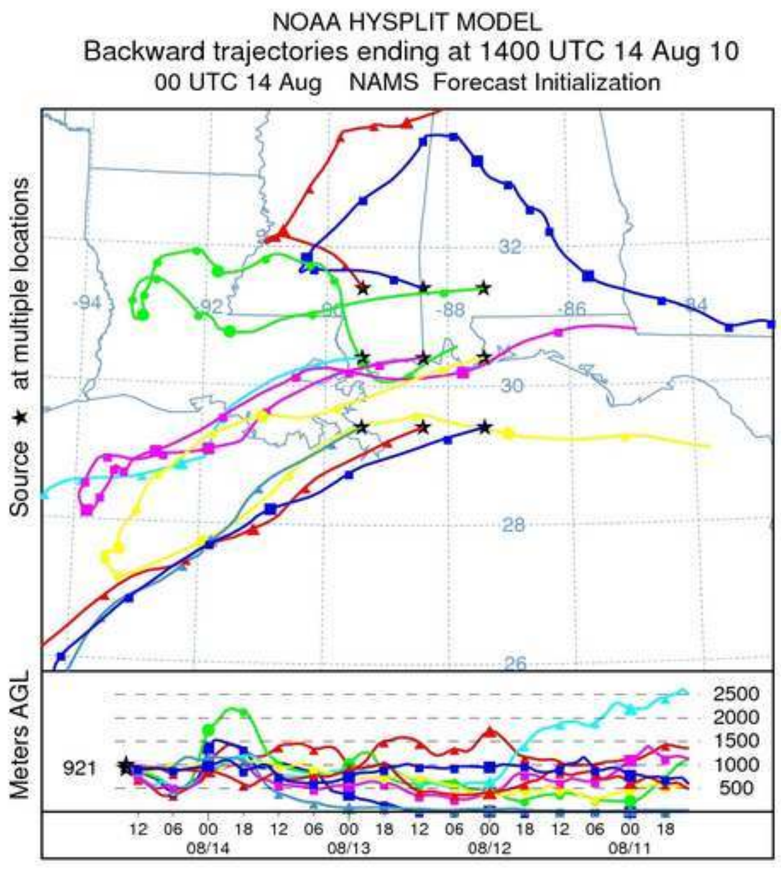
RGM Plumes from Large Regional Sources (pages 51-63)

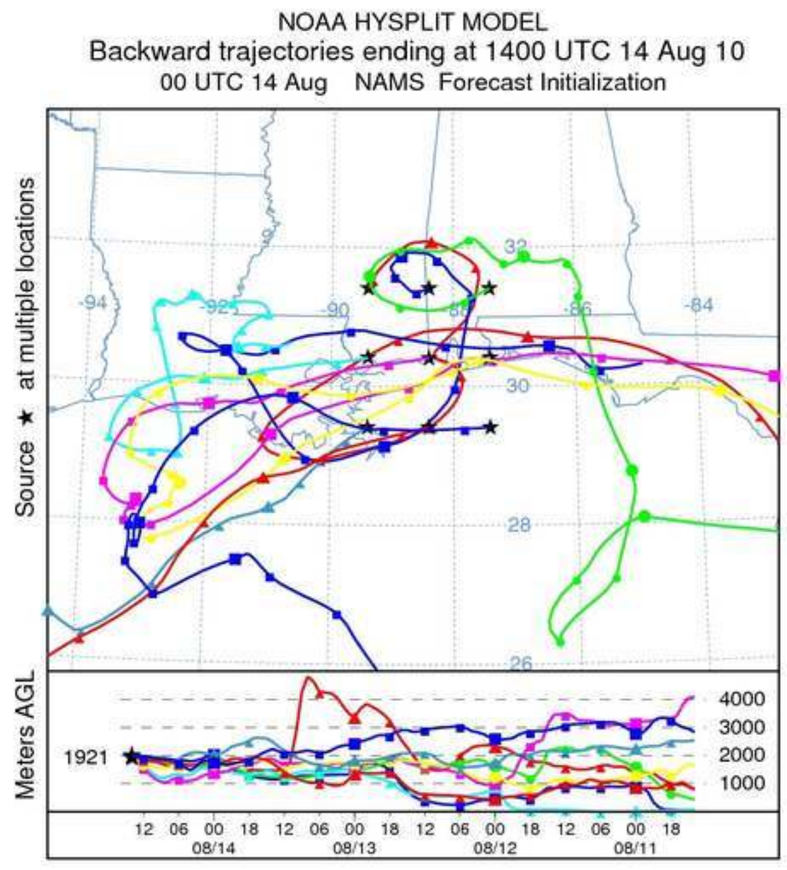
- ❑ Page 51 shows a map of some of the large sources in the region; as stated on map, some of the sources are no longer emitting. These sources were not included in these simulations.
- ❑ One page for each local hour from 9 AM to 8 PM; each page shows model-estimated RGM concentrations for six different vertical layers n the atmosphere.
- ❑ These maps do not represent the total RGM in the atmosphere, but only the fraction contributed by large regional sources.
- ❑ The maps show average concentrations for the hour leading up to the stated hour, e.g., the map for UTC 14 represents average concentrations between UTC 13 and 14 (8 – 9 AM Grand Bay)

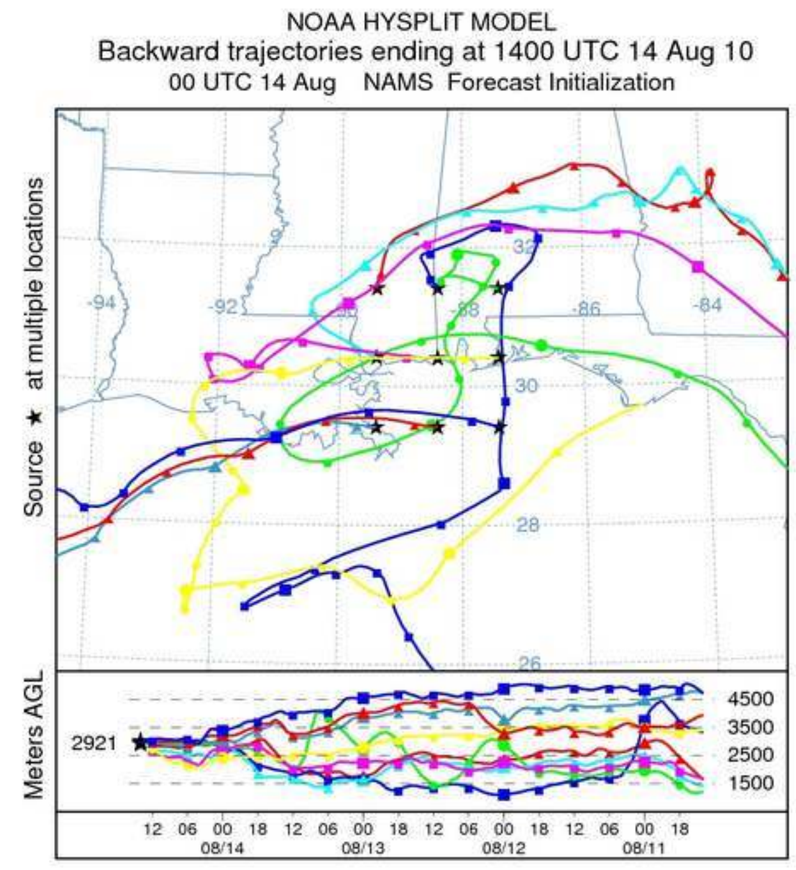

FORECAST for 2010_08_14, local hour = 09
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2000
1500
1000
500
08/14
08/13
08/12
08/11


NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
2000
1500
1000
500
08/14
08/13
08/12
08/11


NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
2500
2000
1500
1000
500
08/14
08/13
08/12
08/11


NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
4000
3000
2000
1000
08/14
08/13
08/12
08/11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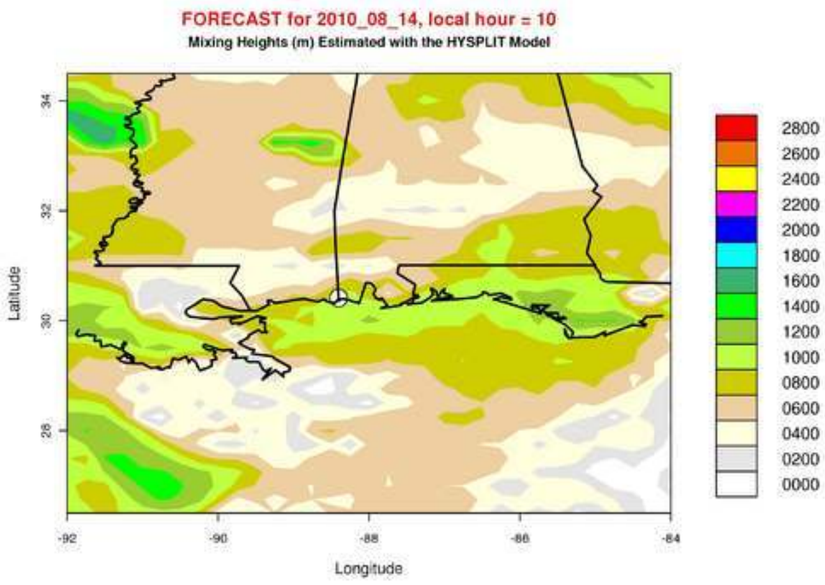
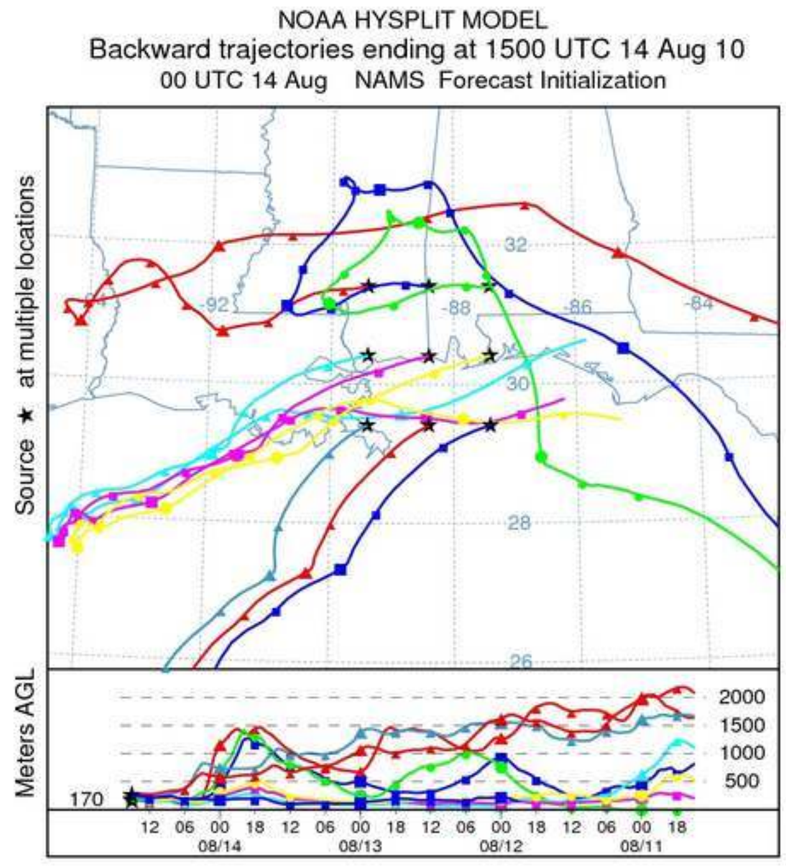
Source ★ at multiple locations
Meters AGL
2921
4500
3500
2500
1500
08/14
08/13
08/12
08/11


FORECAST for 2010_08_14, local hour = 10
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000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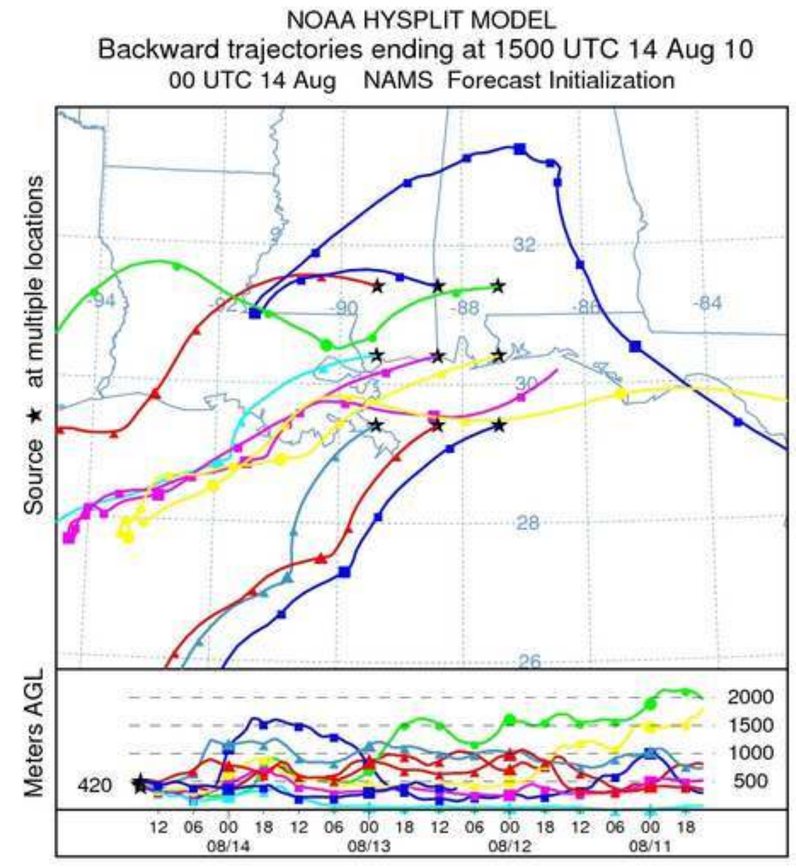
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2000
1500
1000
500
08/14
08/13
08/12
08/11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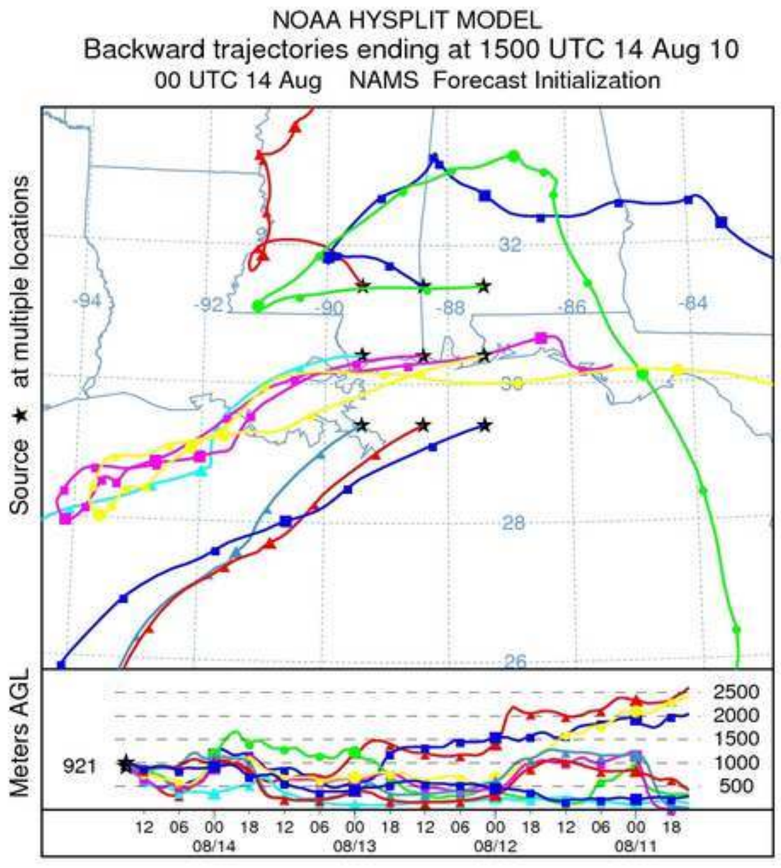
Source ★ at multiple locations
Meters AGL
420
2000
1500
1000
500
08/14
08/13
08/12
08/11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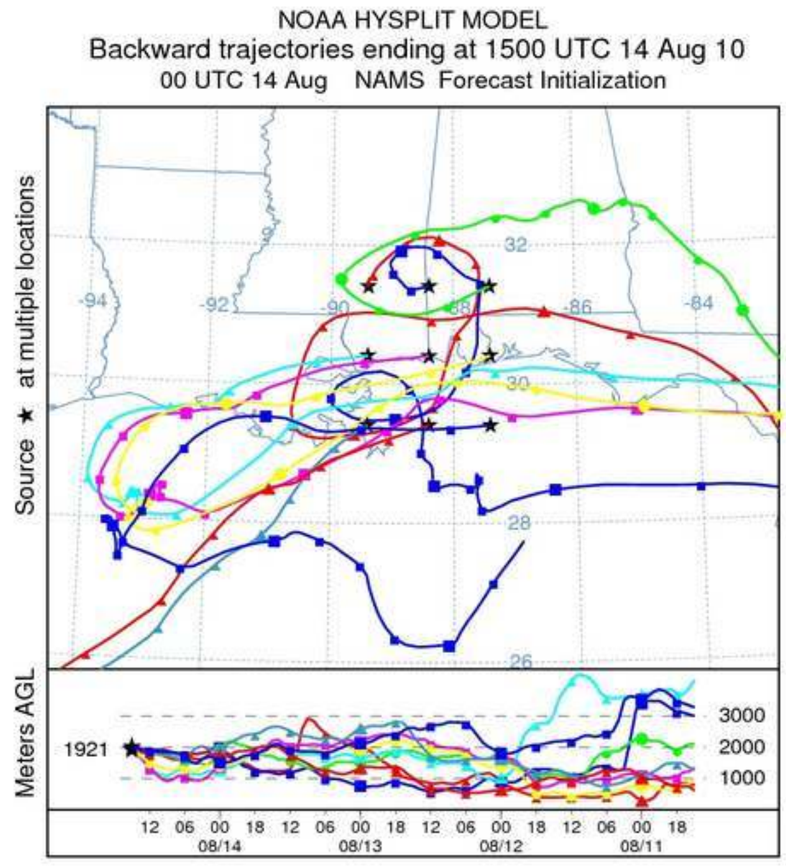
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
2500
2000
1500
1000
500
08/14
08/13
08/12
08/11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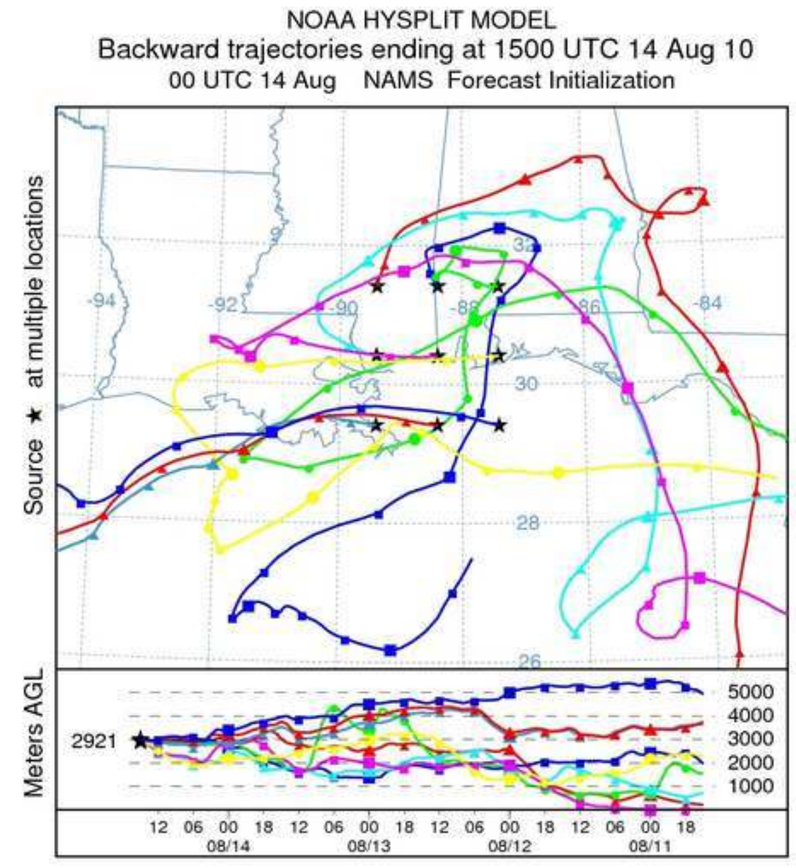
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2000
1000
08/14
08/13
08/12
08/11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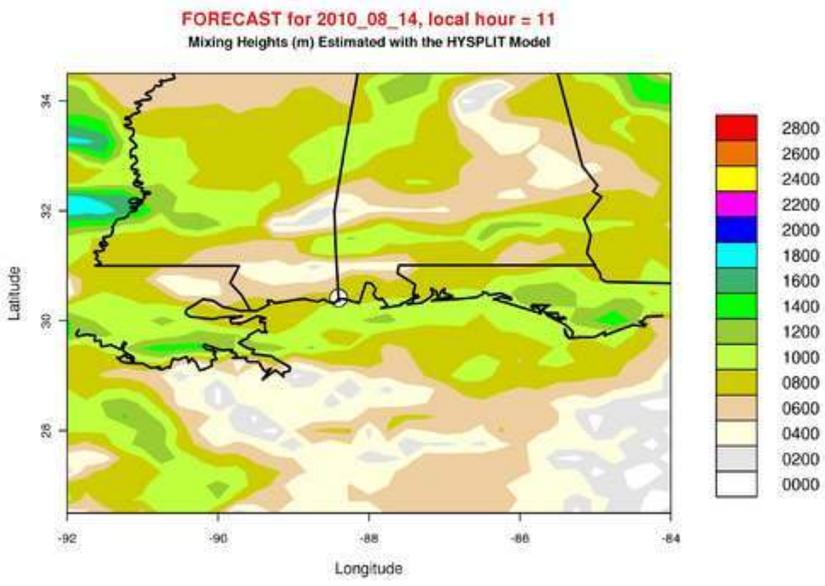
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
5000
4000
3000
2000
1000
08/14
08/13
08/12
08/11


FORECAST for 2010_08_14, local hour = 11
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
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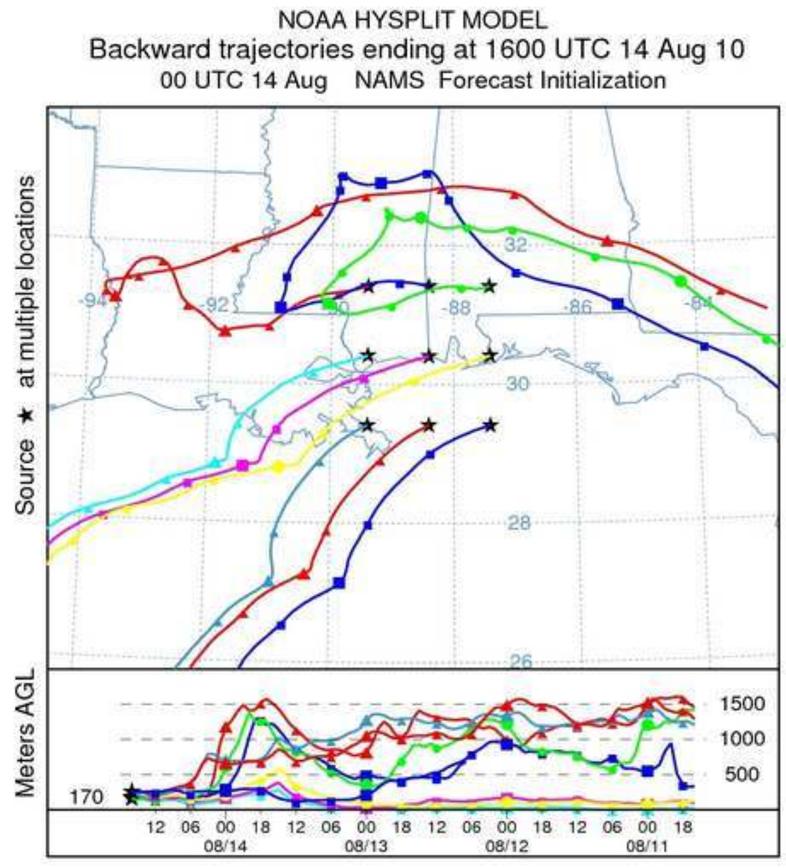
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000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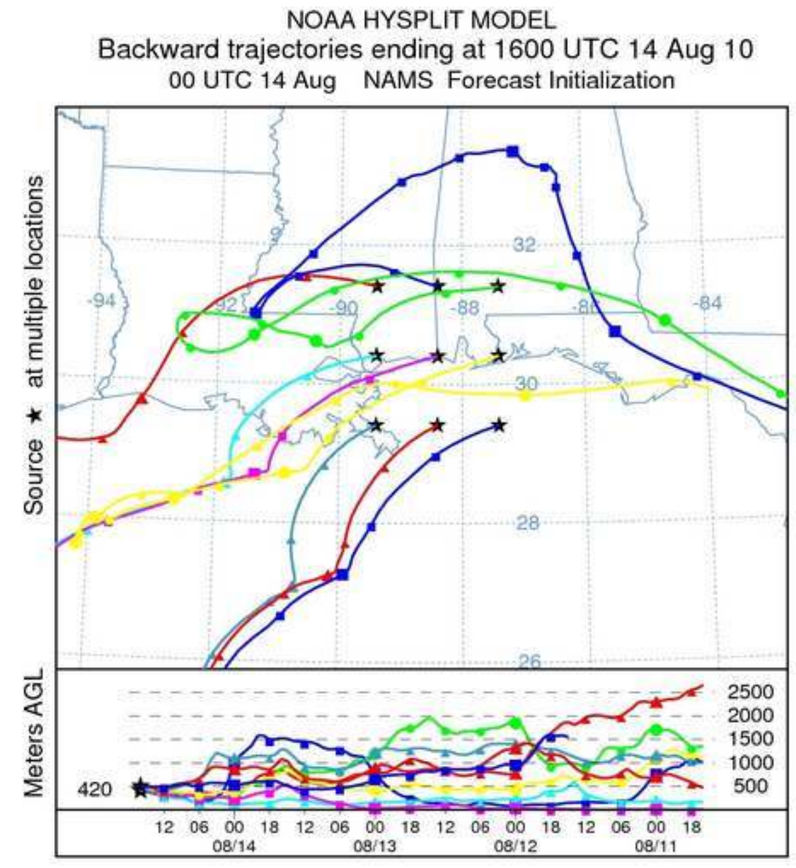
Backward trajectories ending at 1600 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
1500
1000
500
08/14
08/13
08/12
08/11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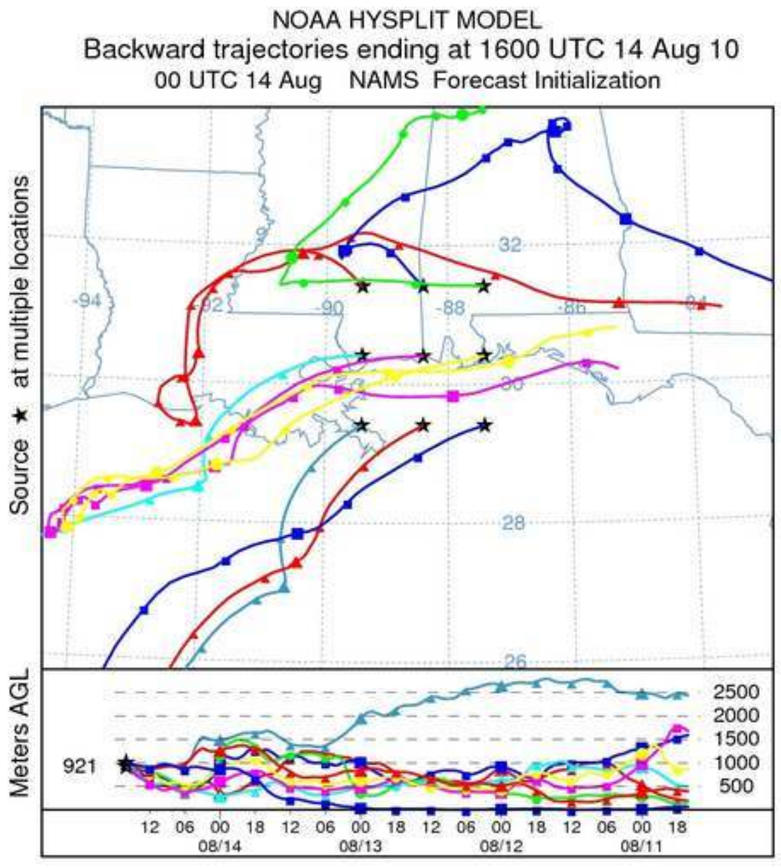
Backward trajectories ending at 1600 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
2500
2000
1500
1000
500
08/14
08/13
08/12
08/11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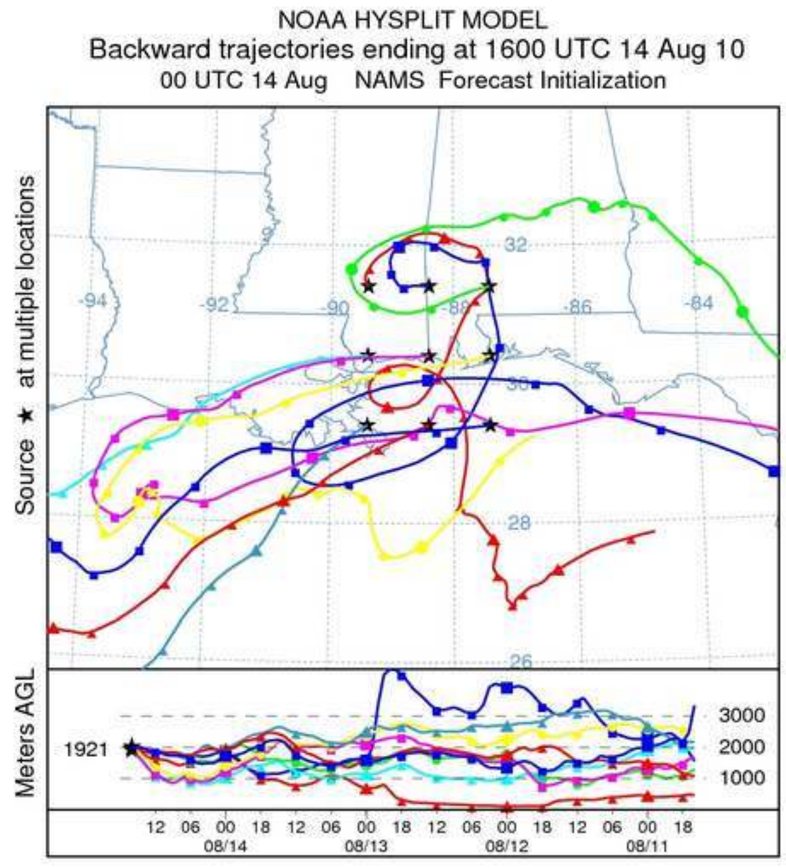
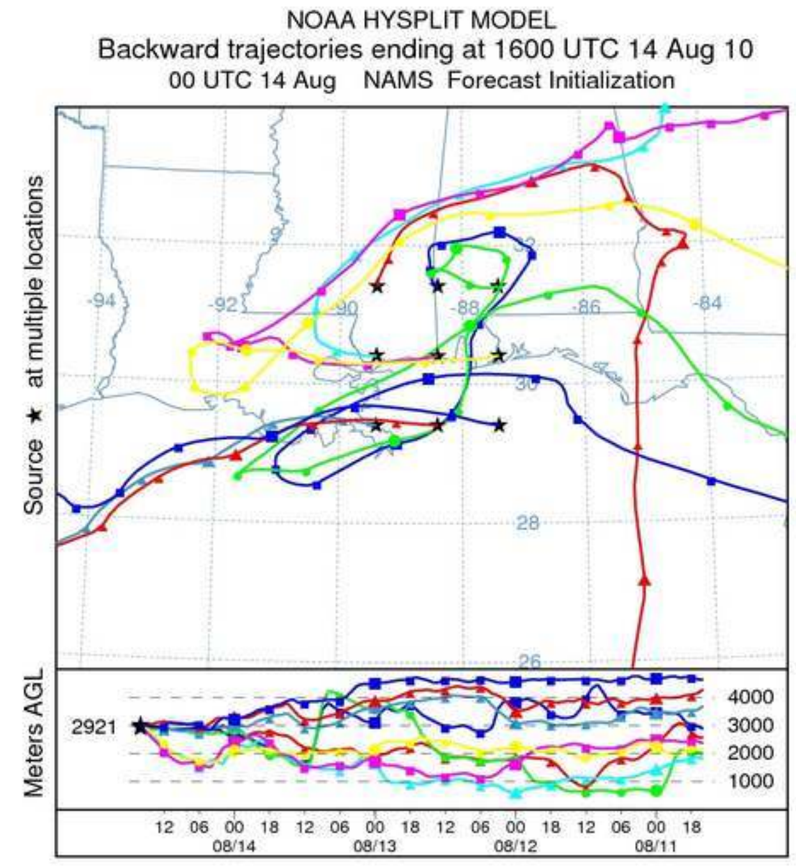
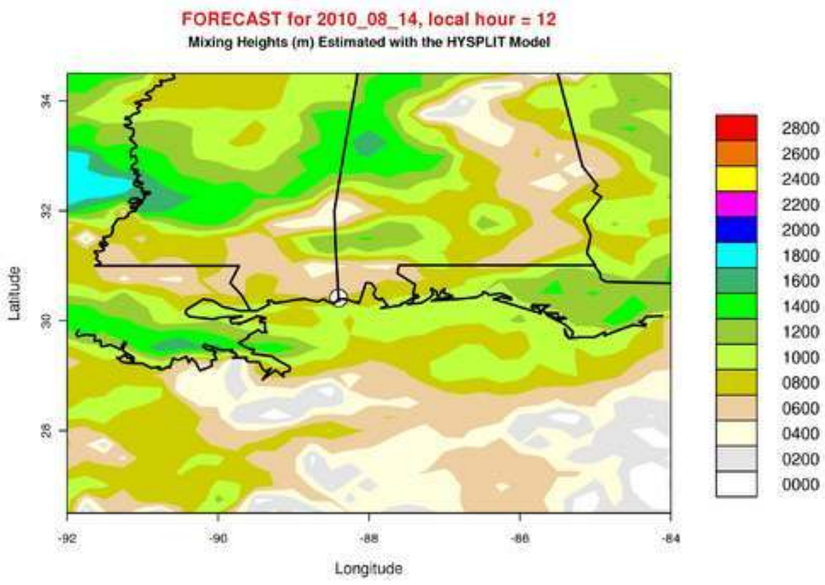
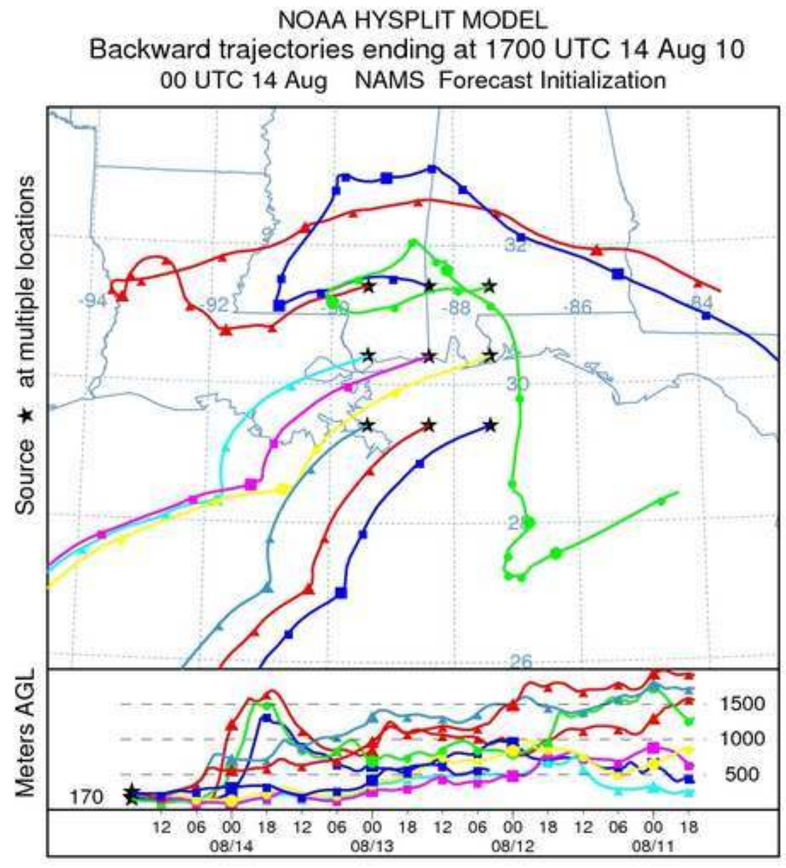
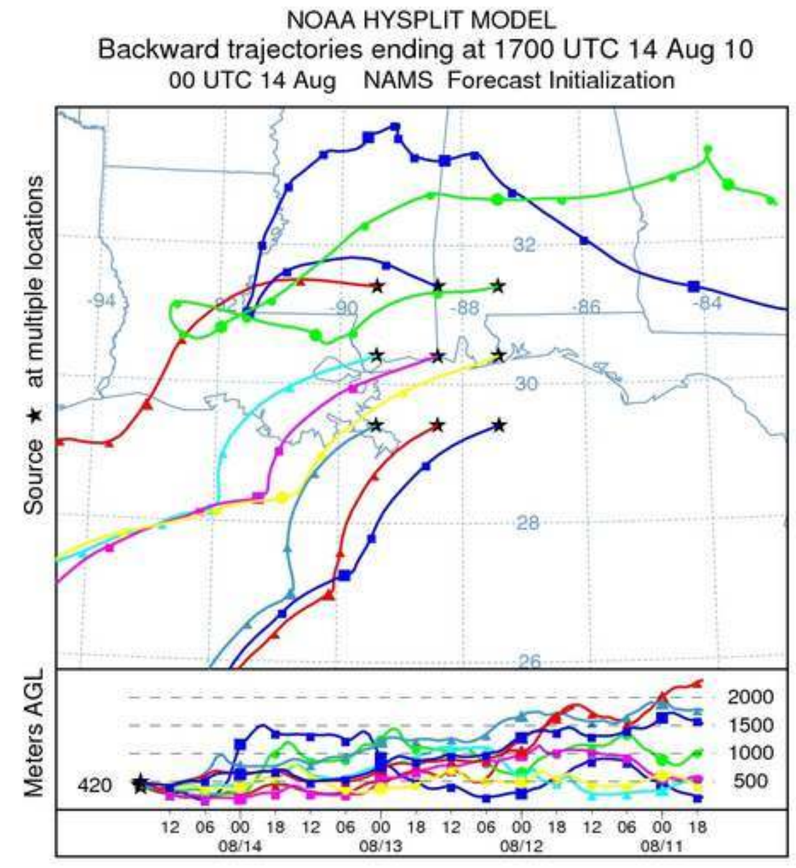
Backward trajectories ending at 1600 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
2500
2000
1500
1000
500
08/14
08/13
08/12
08/11

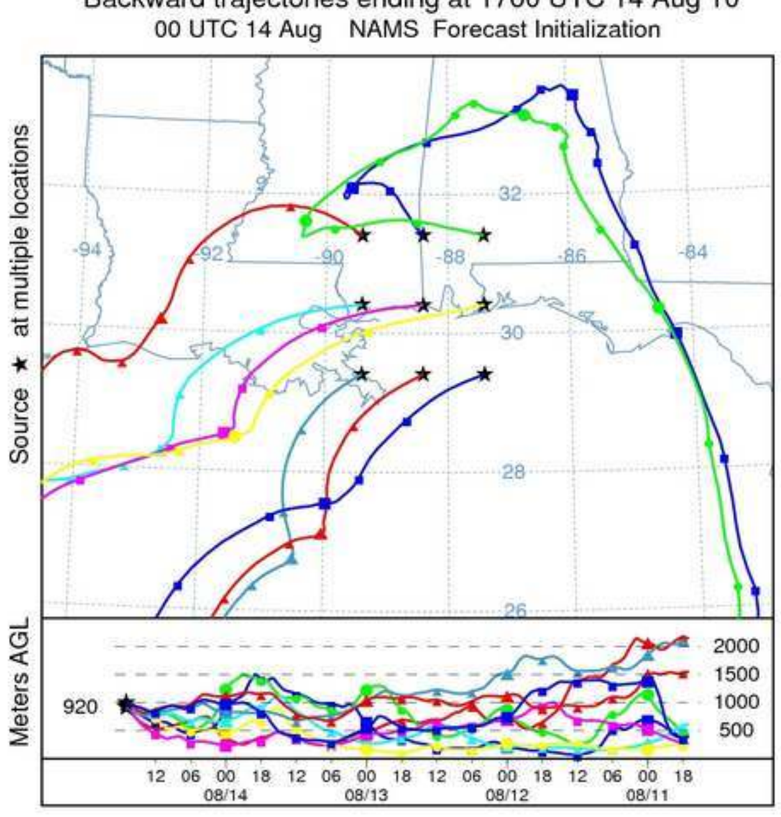

NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2000
1000
08/14
08/13
08/12
08/11

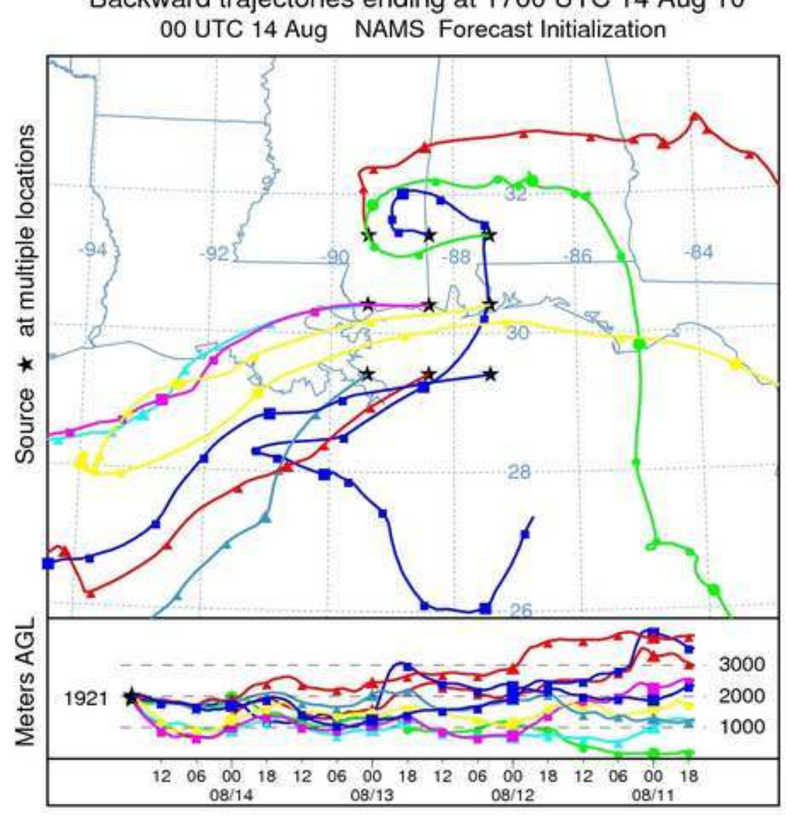

NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4000
3000
2000
1000
08/14
08/13
08/12
08/11

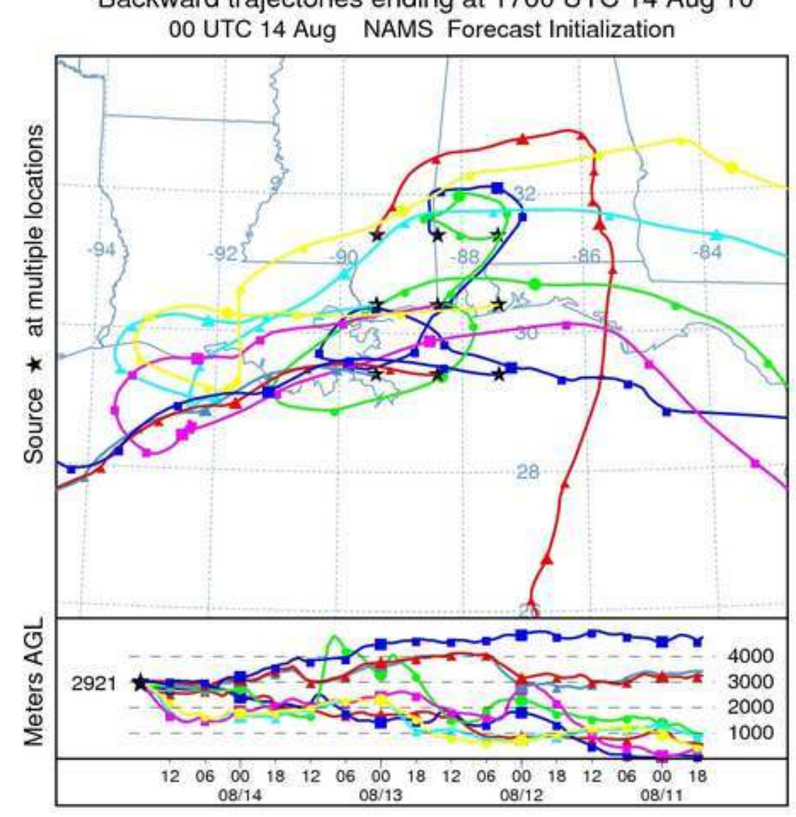

FORECAST for 2010_08_14, local hour = 12
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
1500
1000
500
08/14
08/13
08/12
08/11


NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
2000
1500
1000
500
08/14
08/13
08/12
08/11


NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
2000
1500
1000
500
08/14
08/13
08/12
08/11


NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2000
1000
08/14
08/13
08/12
08/11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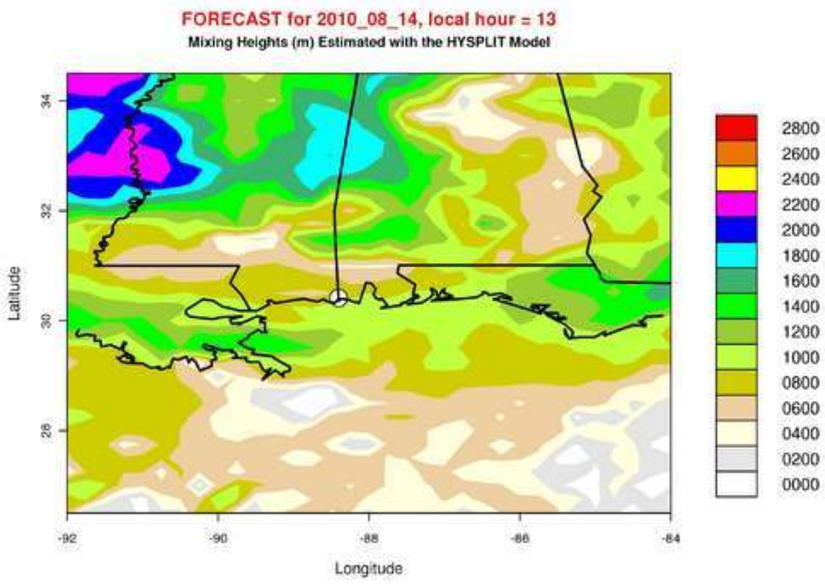
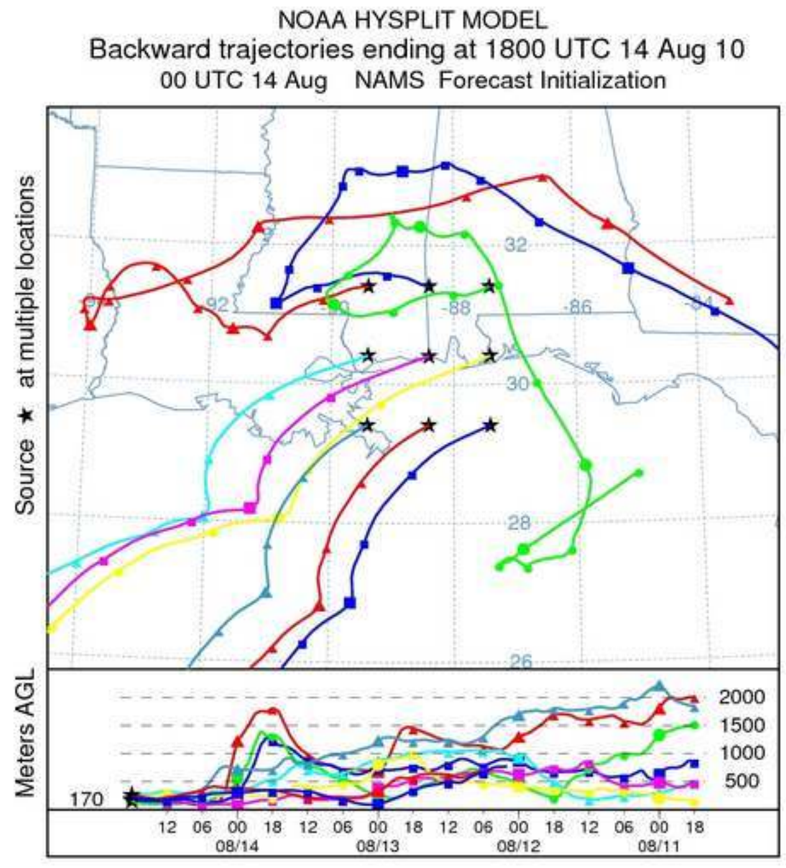
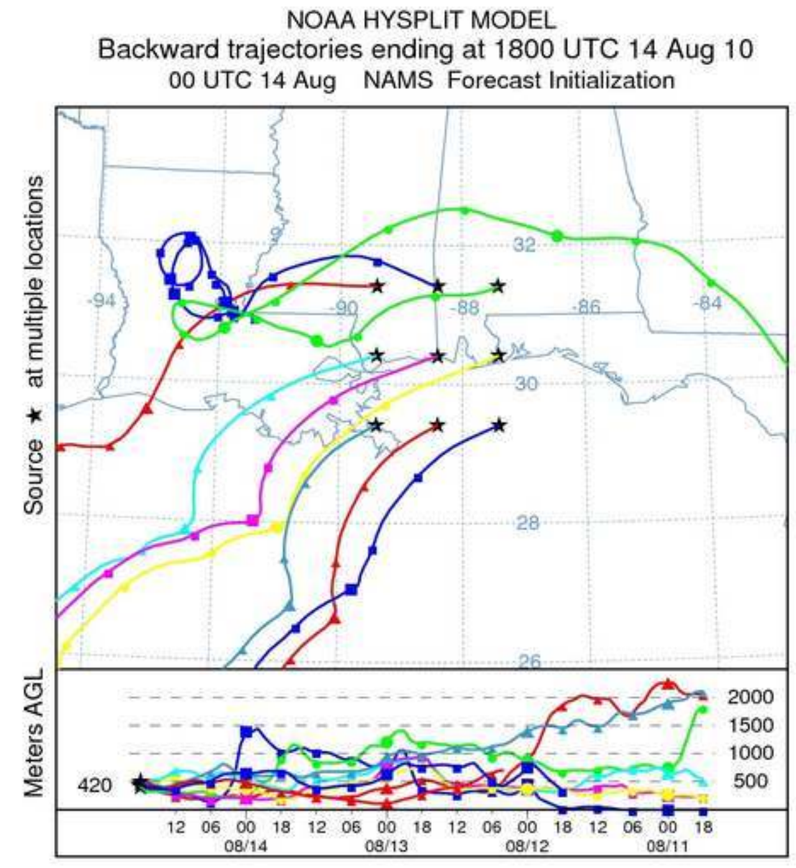
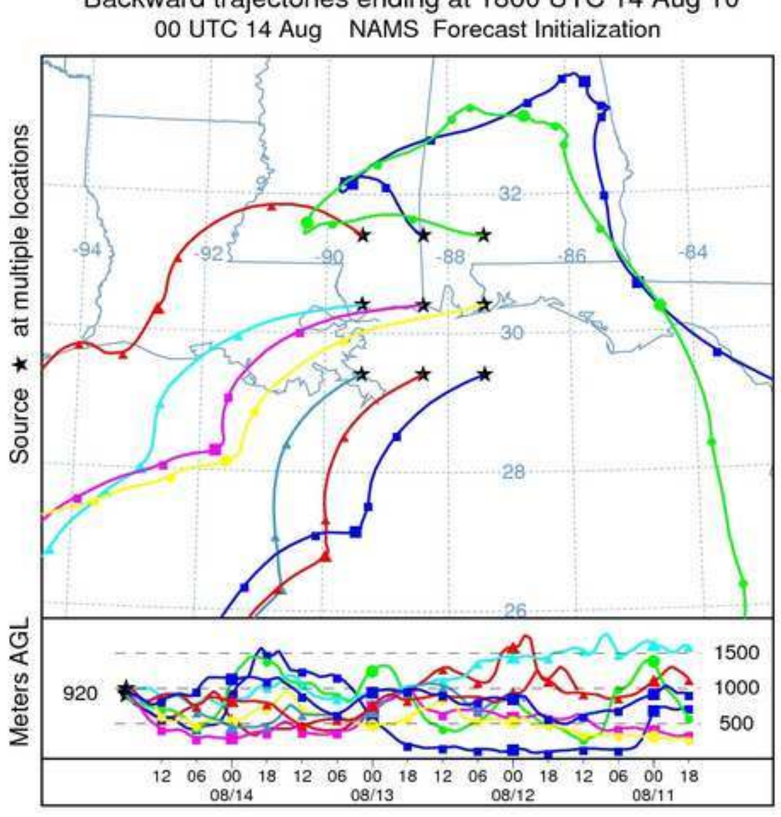
Backward trajectories ending at 1700 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4000
3000
2000
1000
08/14
08/13
08/12
08/11


FORECAST for 2010_08_14, local hour = 13
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2000
1500
1000
500
08/14
08/13
08/12
08/11


NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
2000
1500
1000
500
08/14
08/13
08/12
08/11


NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 14 Aug 10
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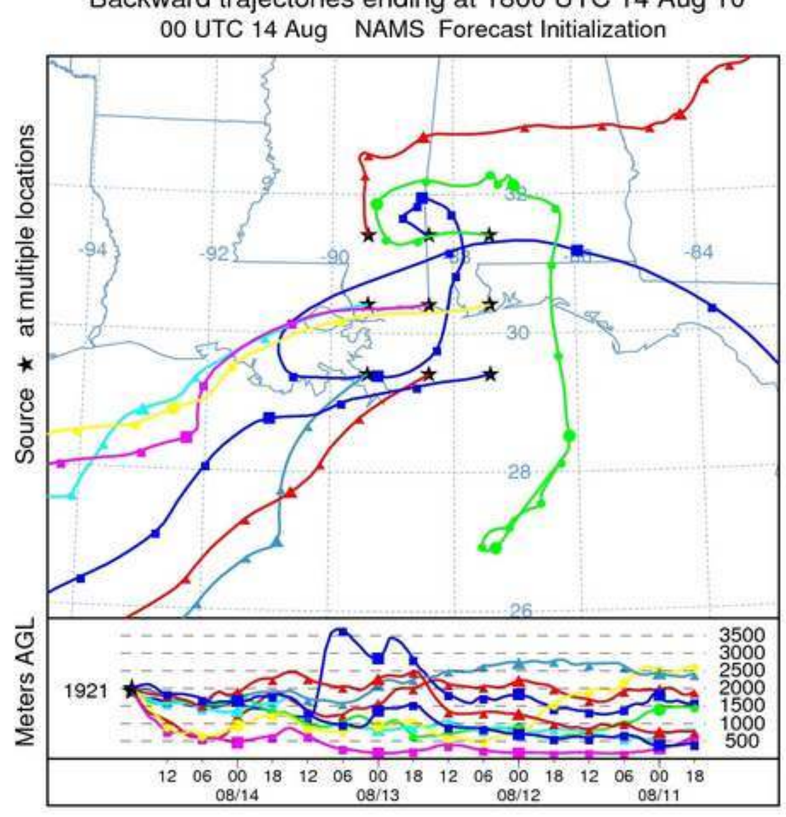
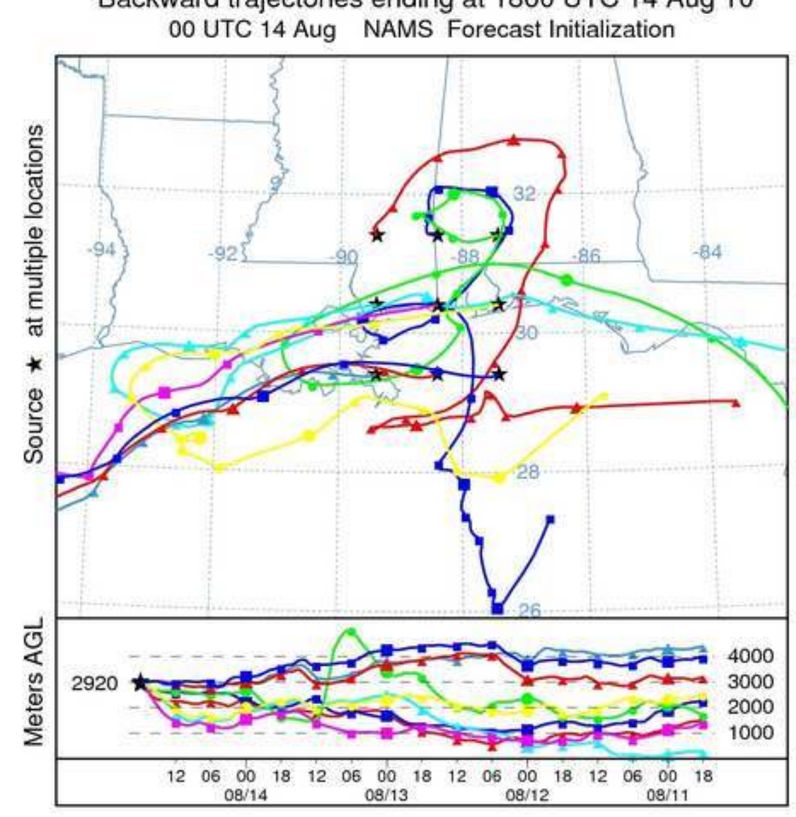
Source ★ at multiple locations
Meters AGL
920
1500
1000
500
08/14
08/13
08/12
08/11


NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3500
3000
2500
2000
1500
1000
500
08/14
08/13
08/12
08/11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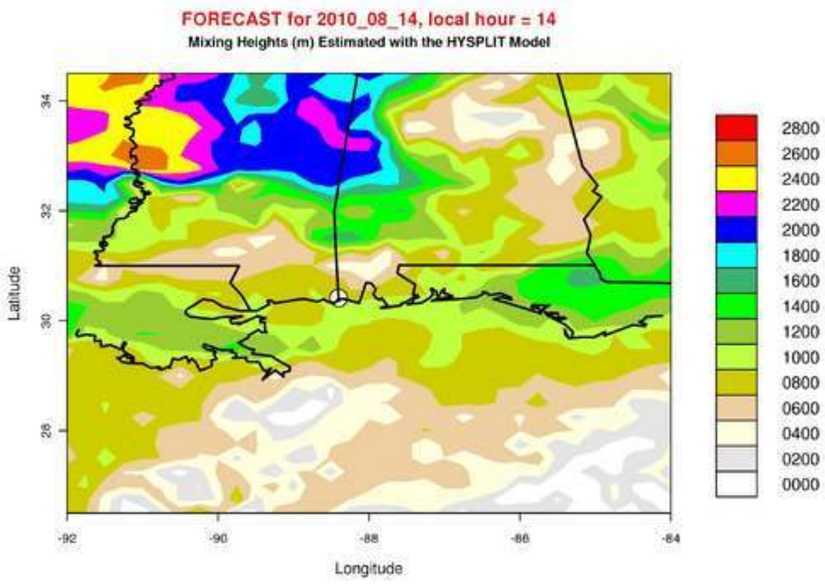
Backward trajectories ending at 1800 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2920
4000
3000
2000
1000
08/14
08/13
08/12
08/11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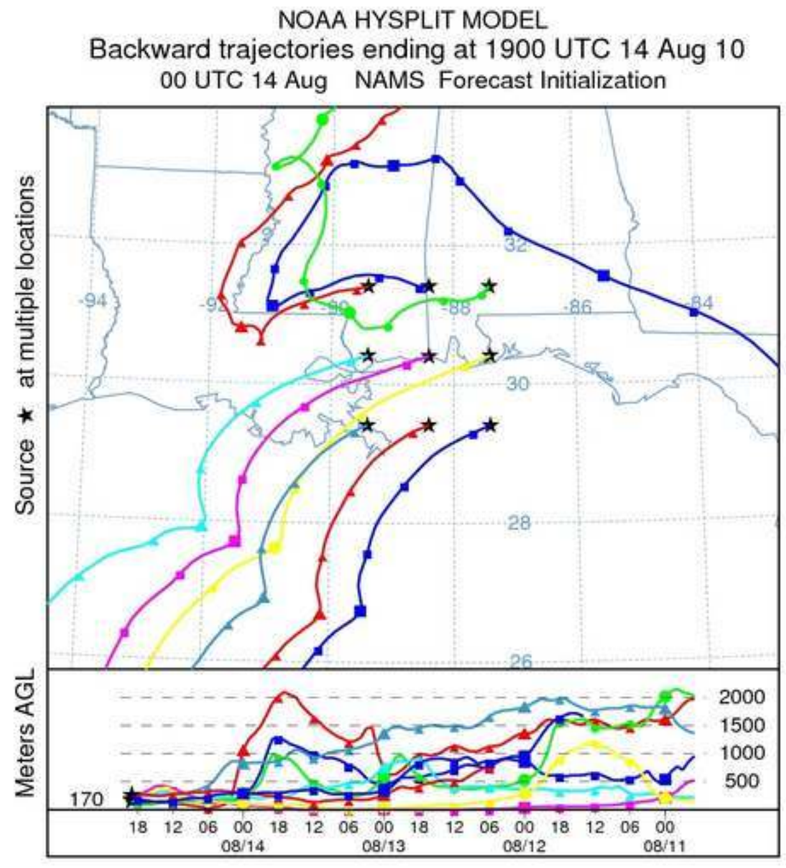
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


NOAA HYSPLIT MODEL
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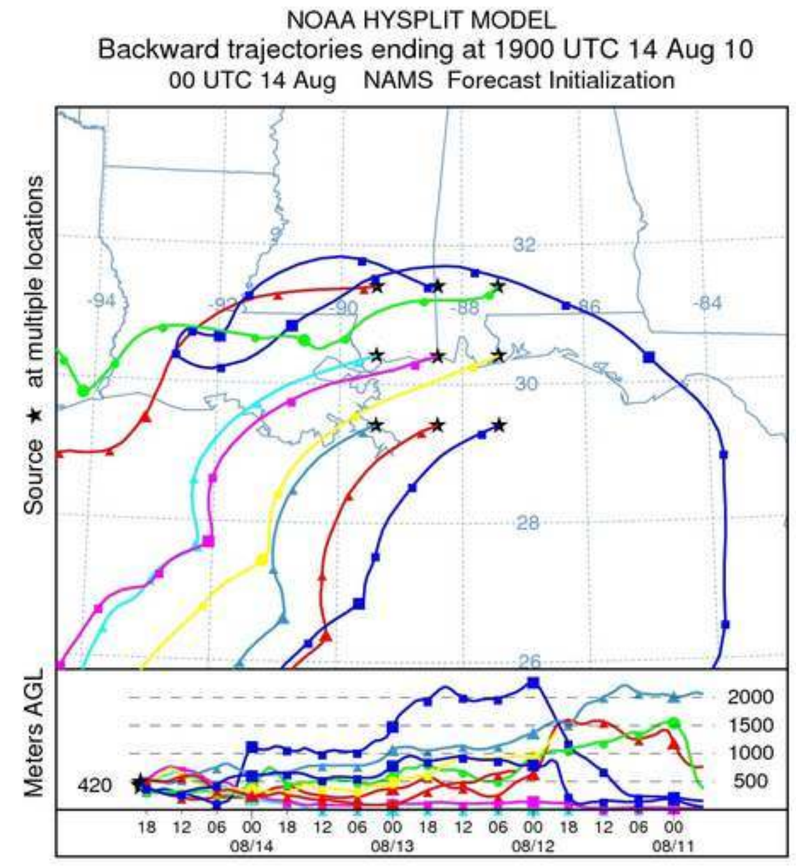
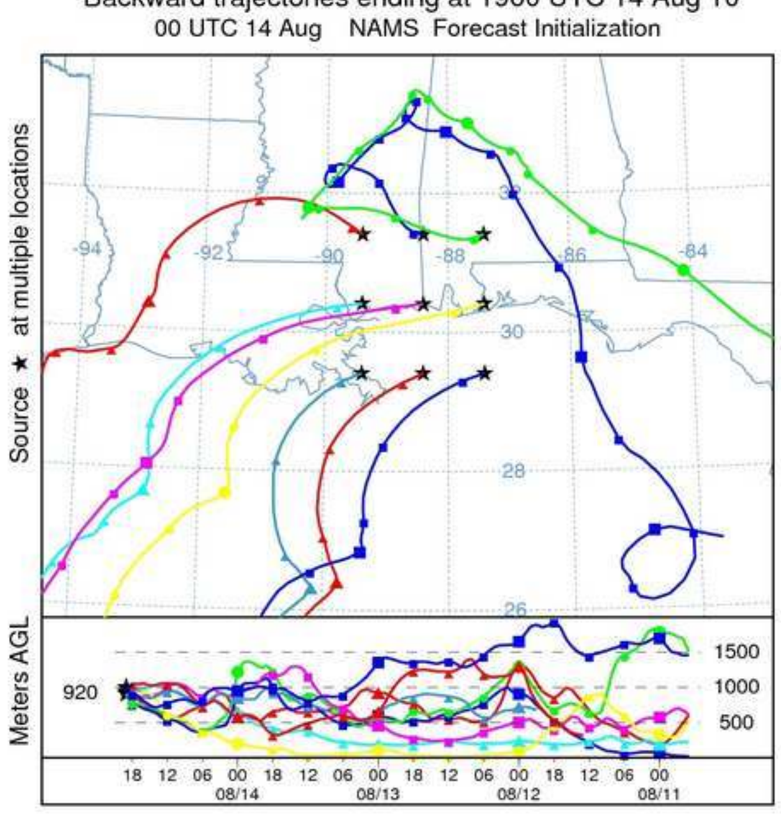
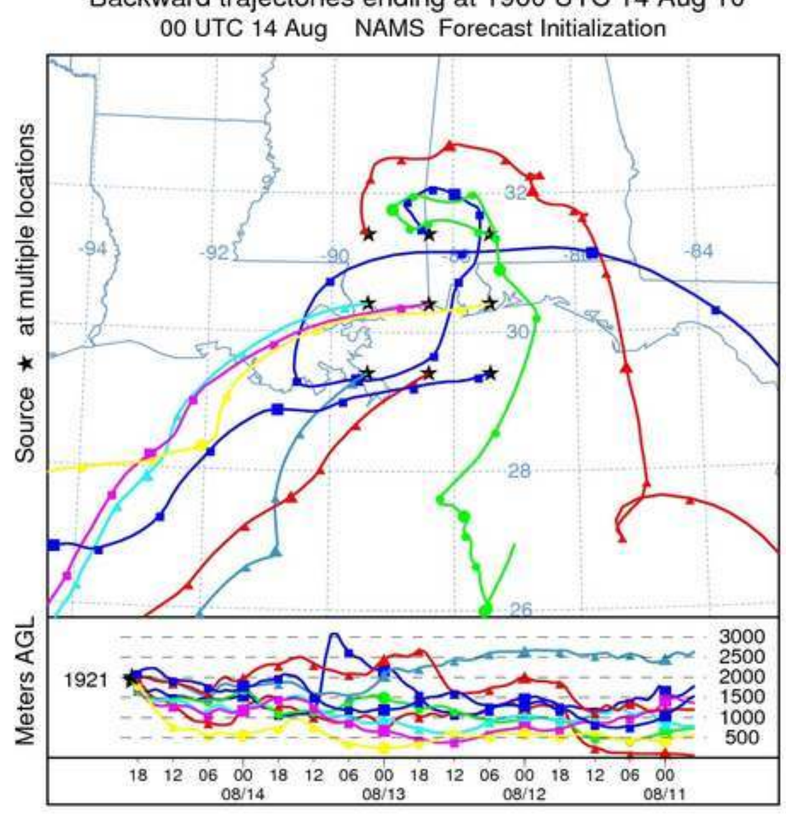
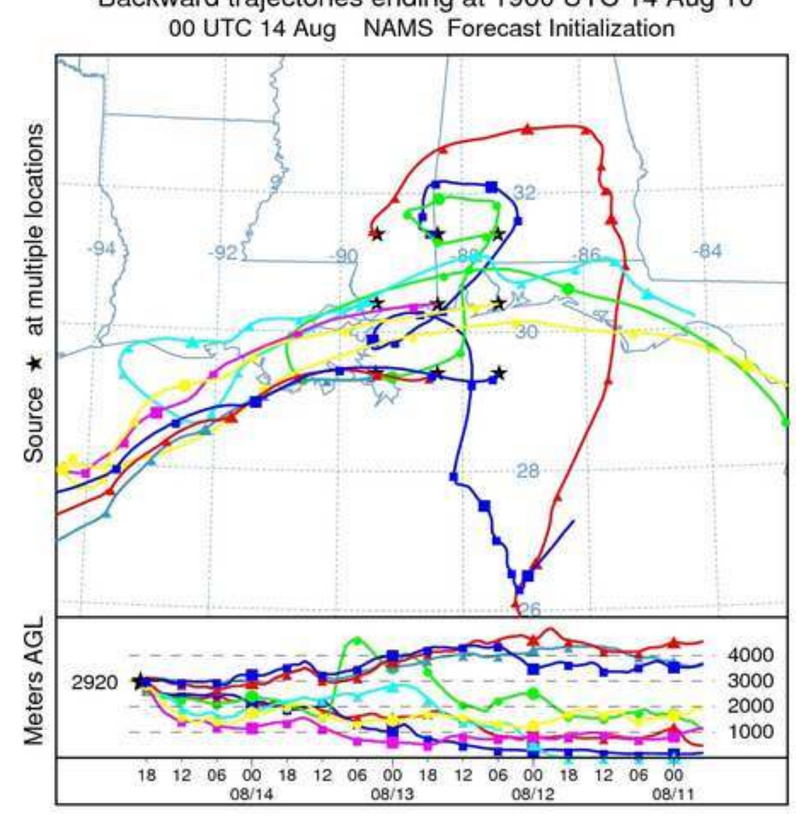
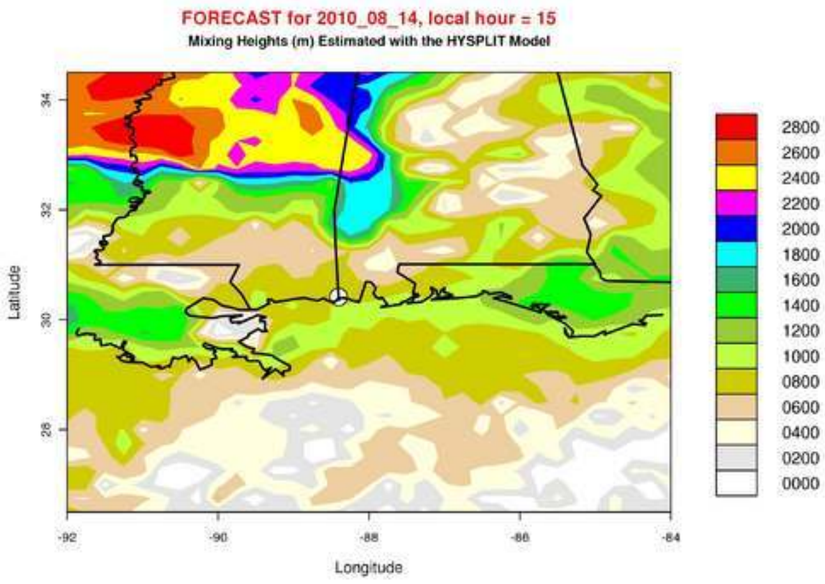
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2000
1500
1000
500
08/14
08/13
08/12
08/11

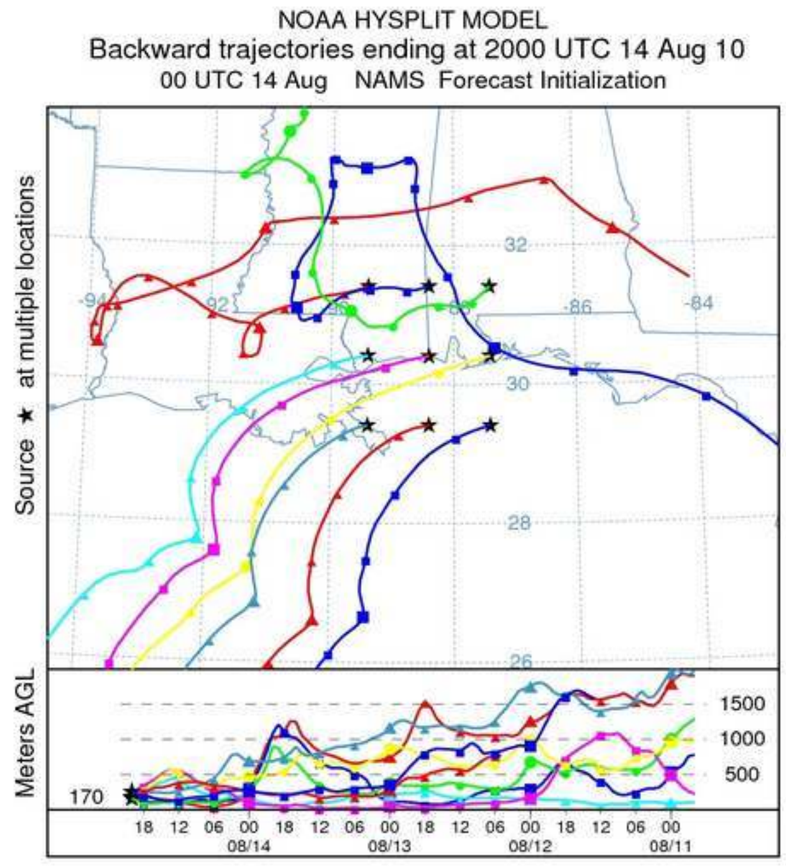

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
2000
1500
1000
500
08/14
08/13
08/12
08/11

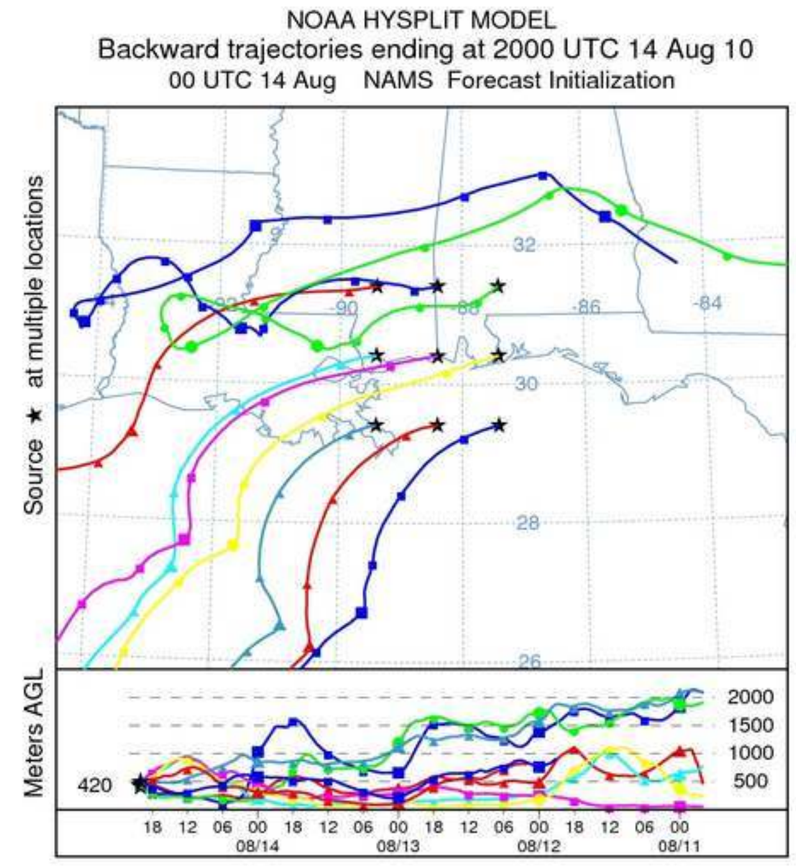

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
1500
1000
500
08/14
08/13
08/12
08/11

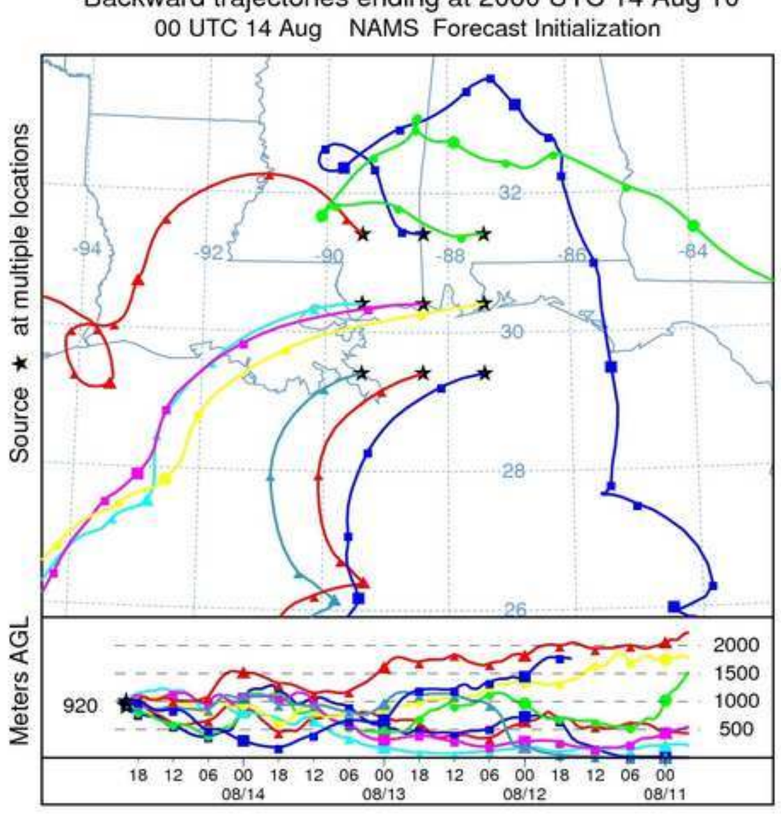

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2500
2000
1500
1000
500
08/14
08/13
08/12
08/11

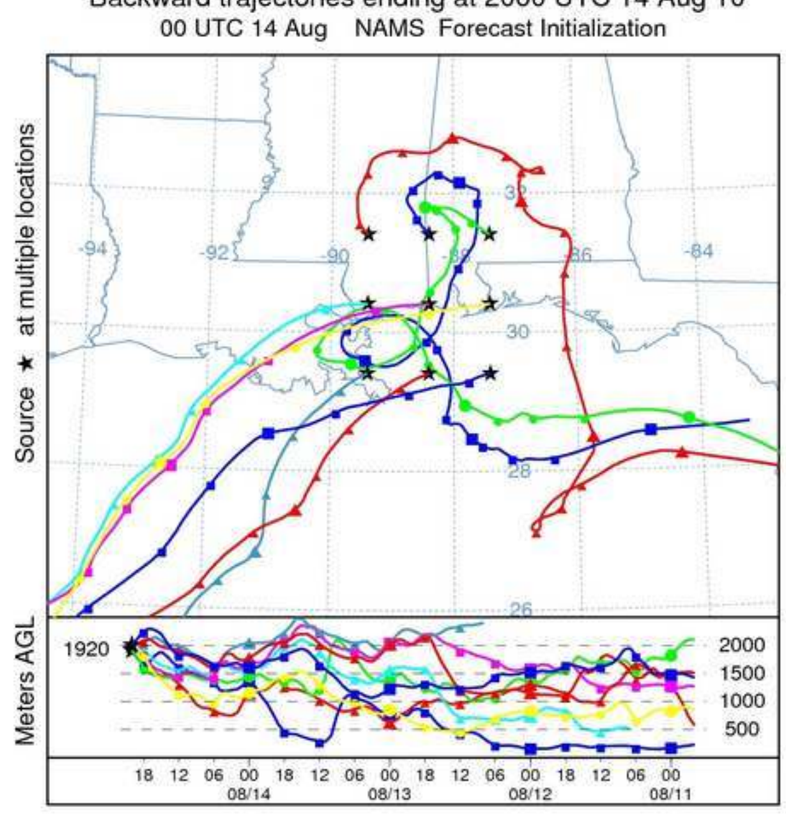

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2920
4000
3000
2000
1000
08/14
08/13
08/12
08/11

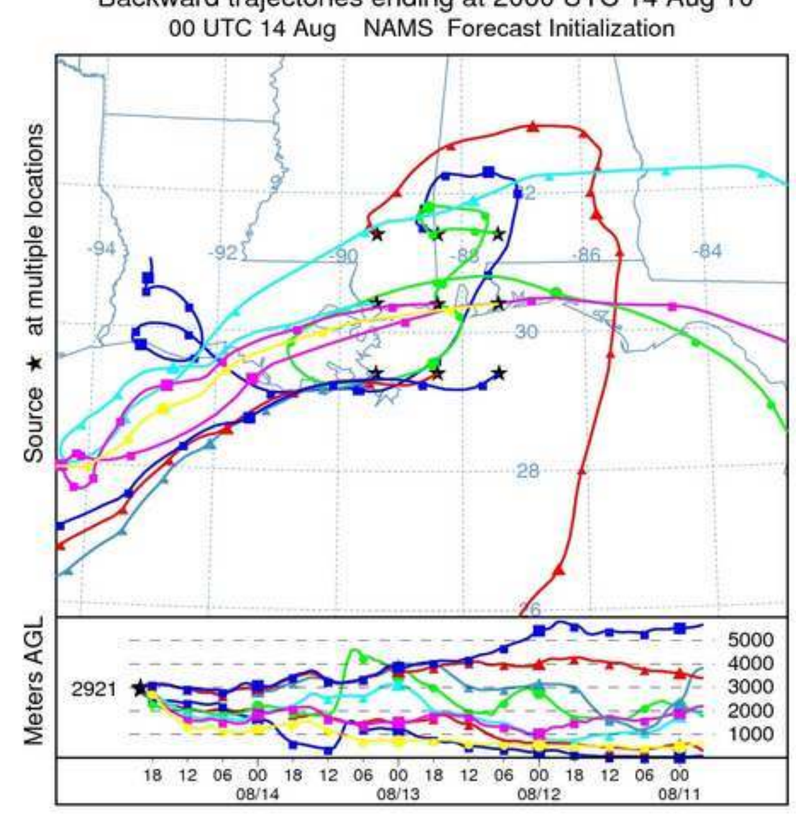

FORECAST for 2010_08_14, local hour = 15
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

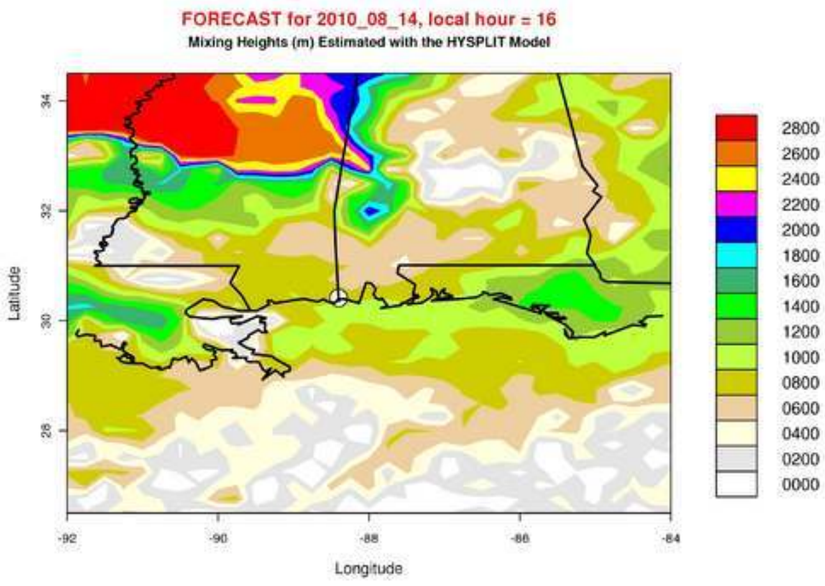

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
1500
1000
500
08/14
08/13
08/12
08/11

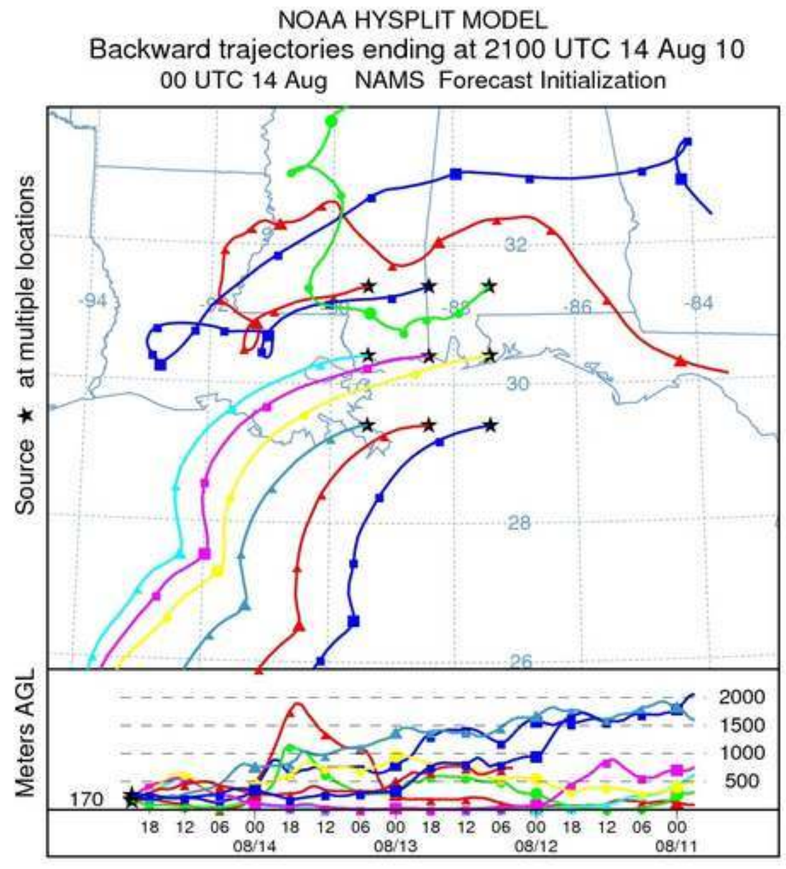

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
2000
1500
1000
500
08/14
08/13
08/12
08/11

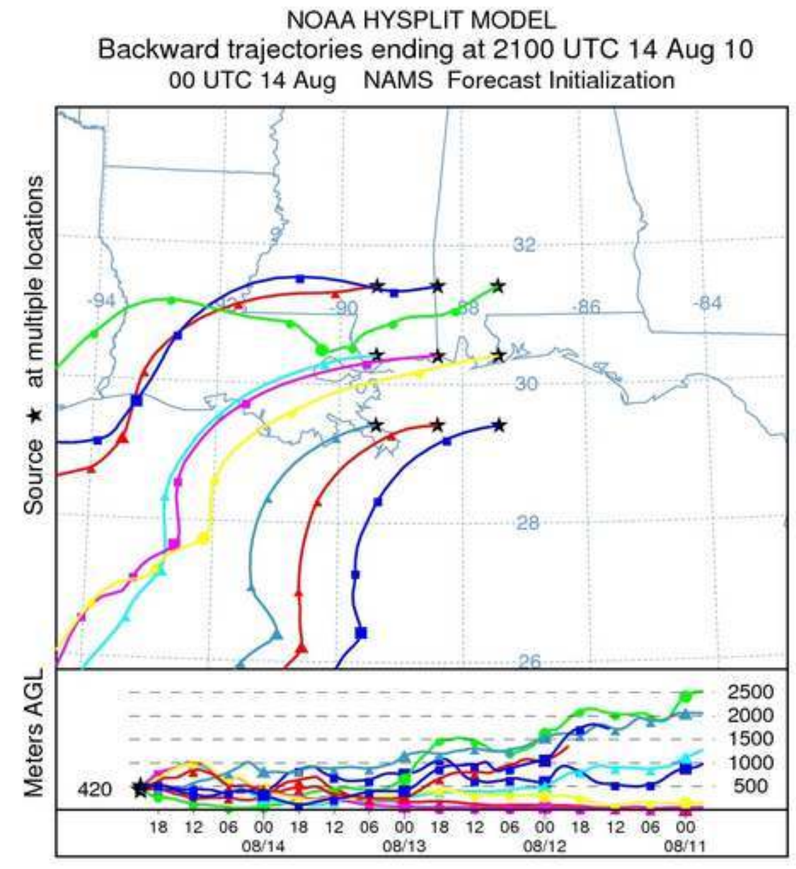

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
2000
1500
1000
500
08/14
08/13
08/12
08/11

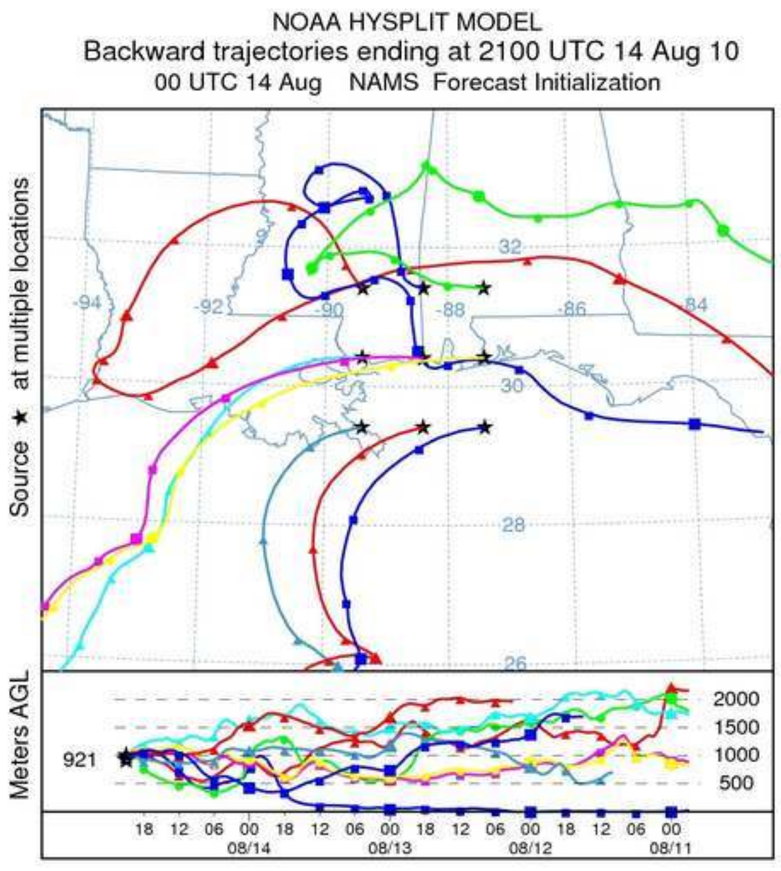

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1920
2000
1500
1000
500
08/14
08/13
08/12
08/11

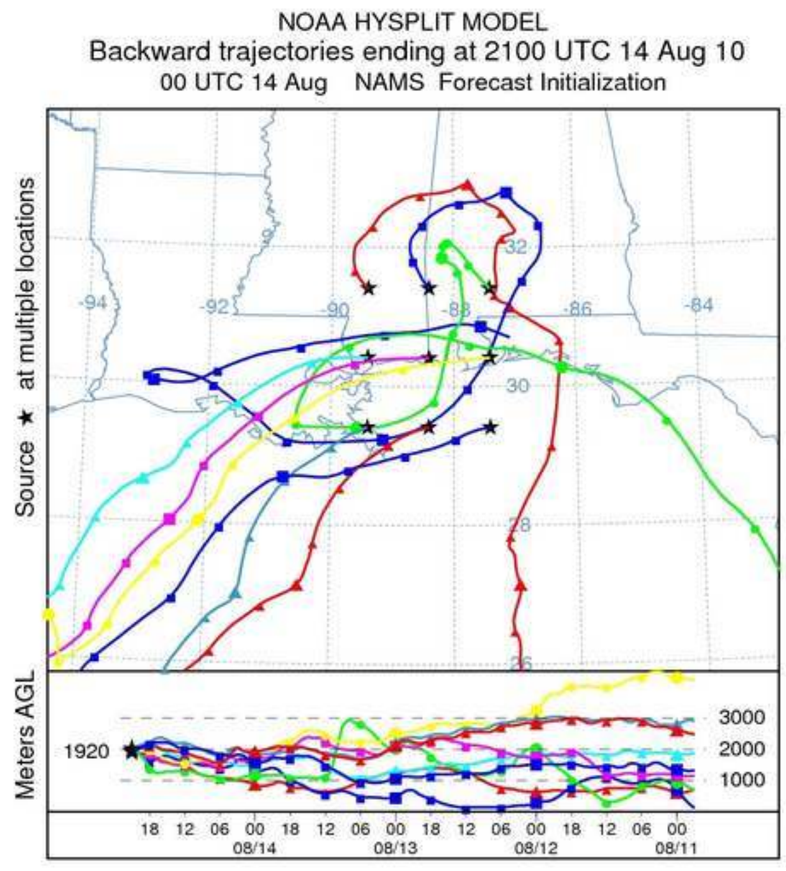

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
5000
4000
3000
2000
1000
08/14
08/13
08/12
08/11

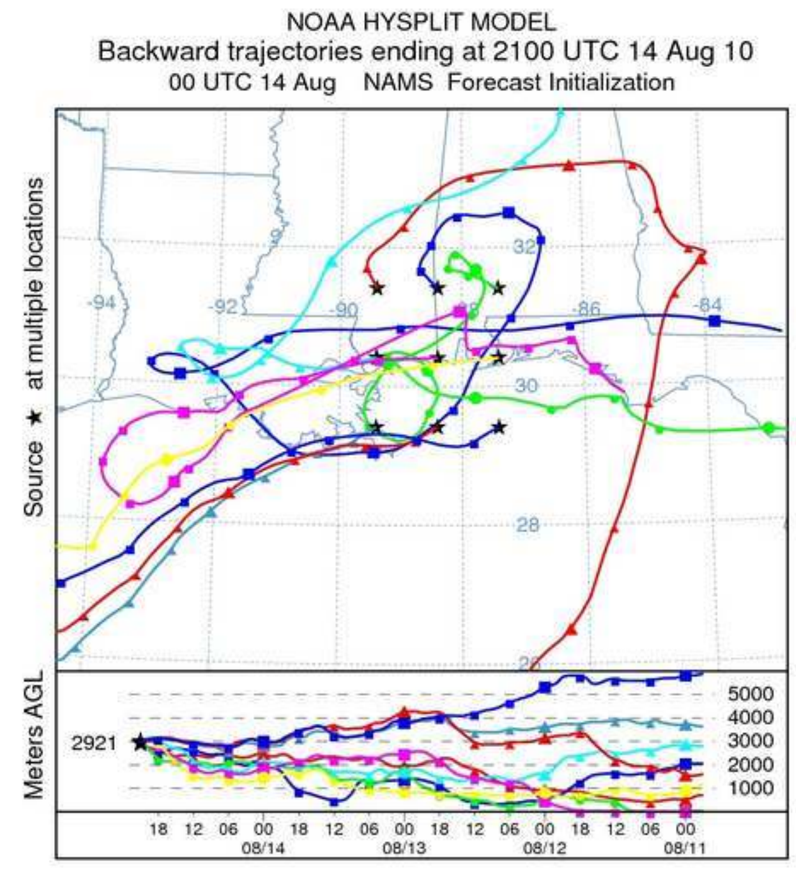

FORECAST for 2010_08_14, local hour = 16
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

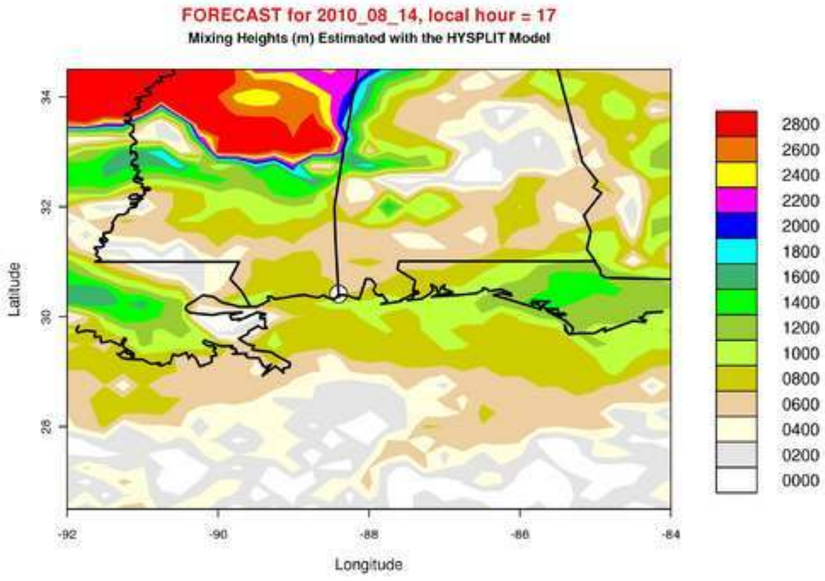

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170

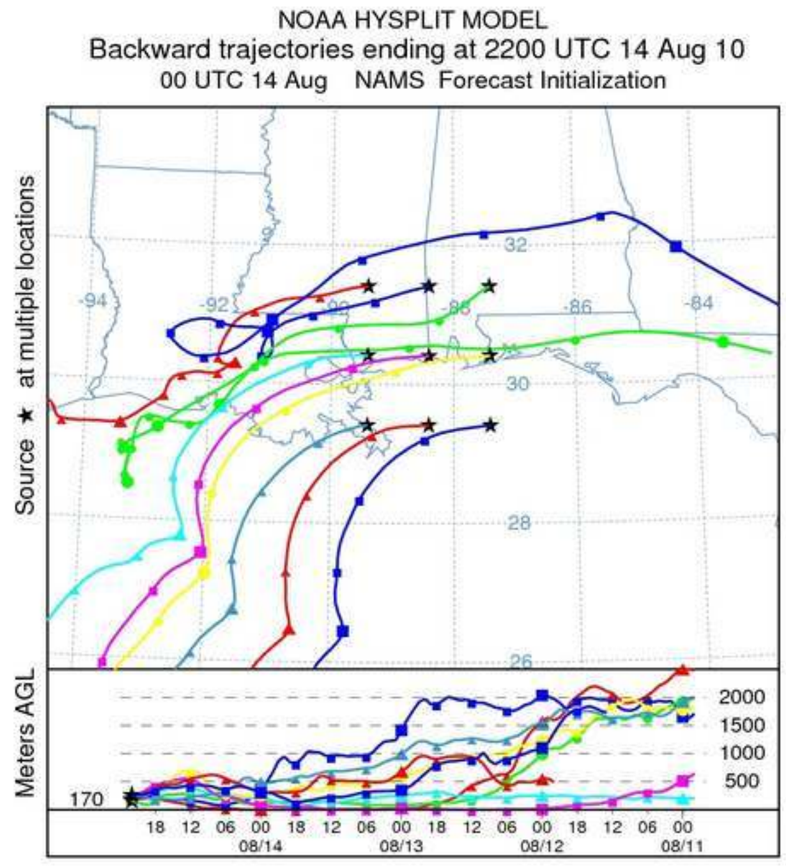

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420

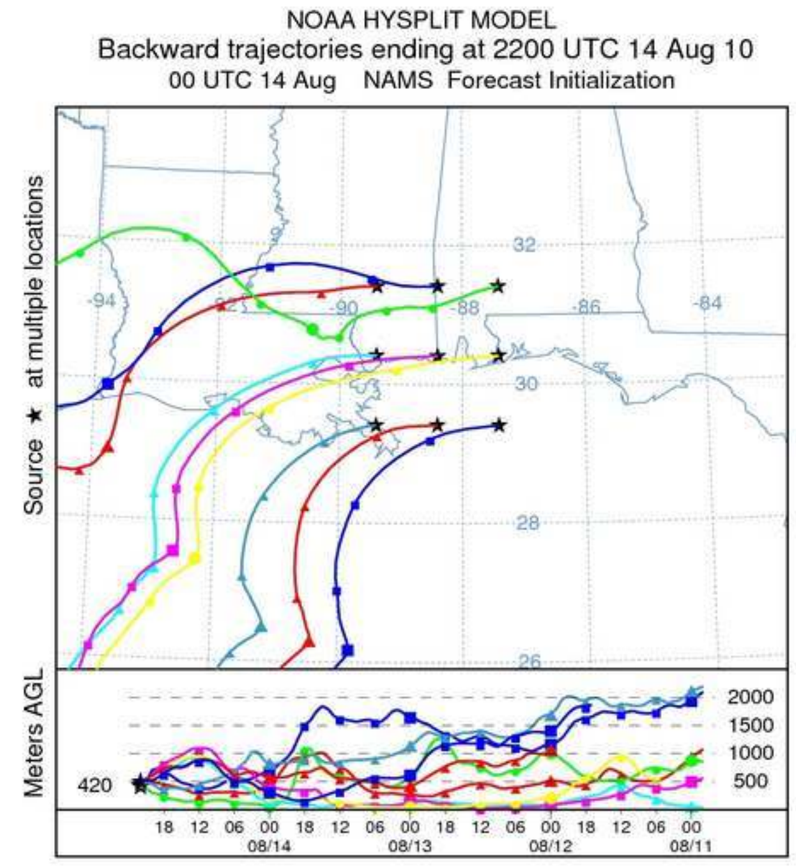

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921

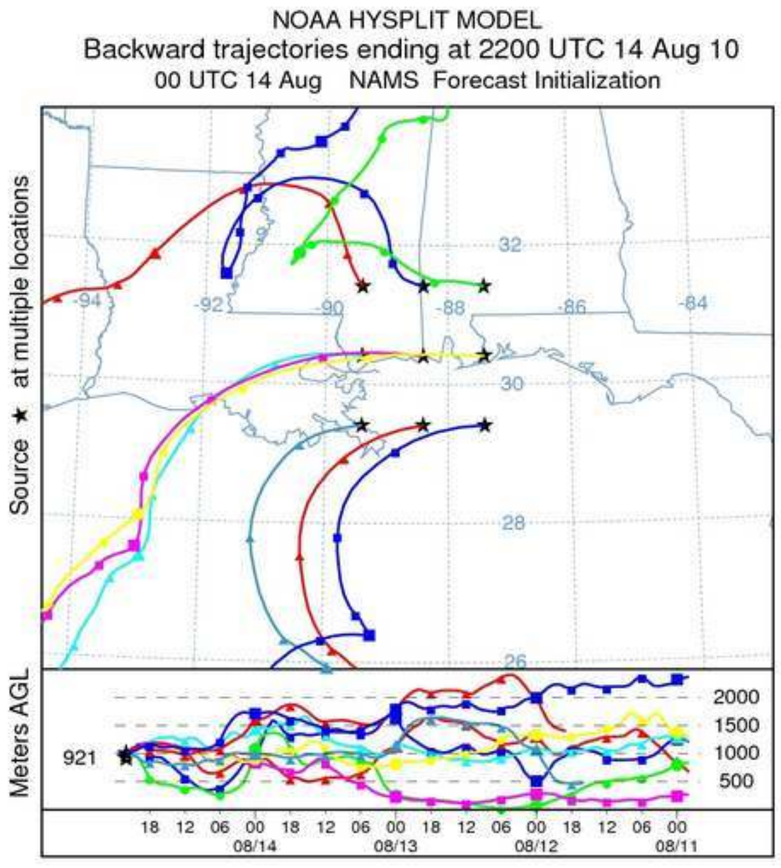

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1920

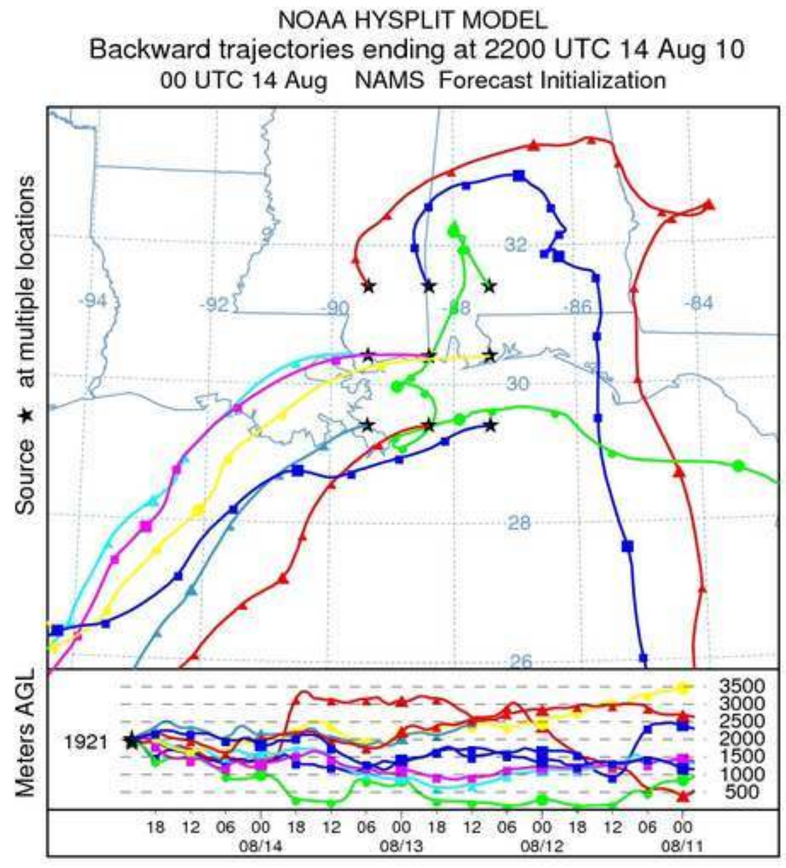

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921

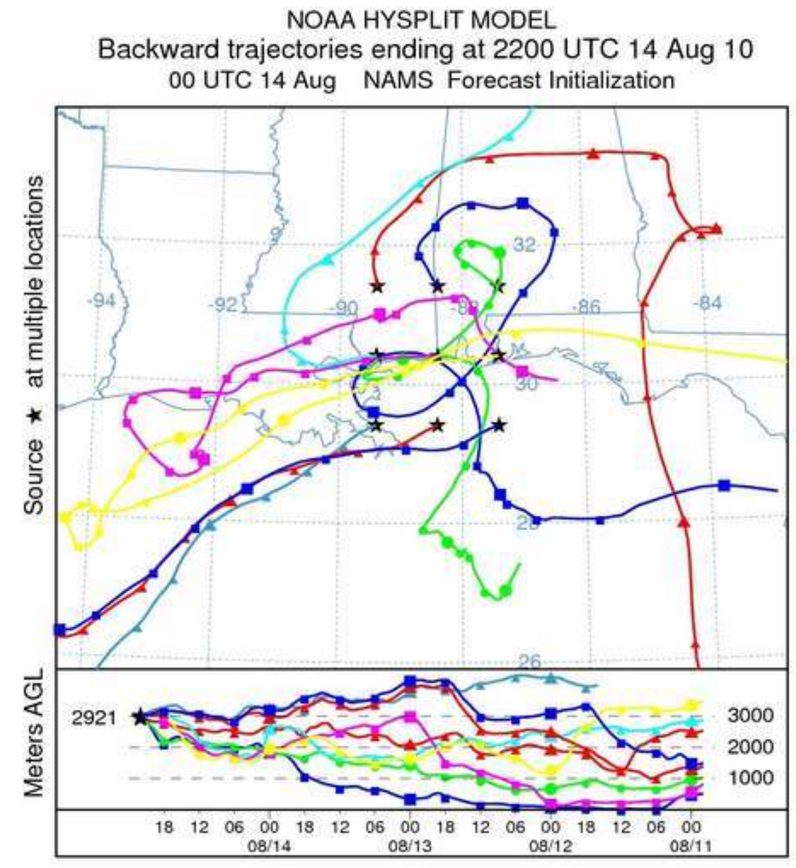

FORECAST for 2010_08_14, local hour = 17
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

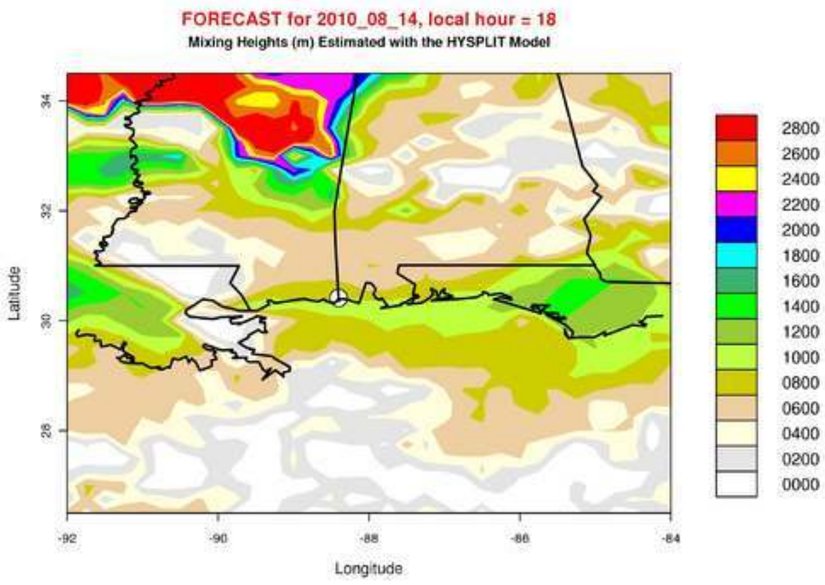

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
08/14
08/13
08/12
08/11

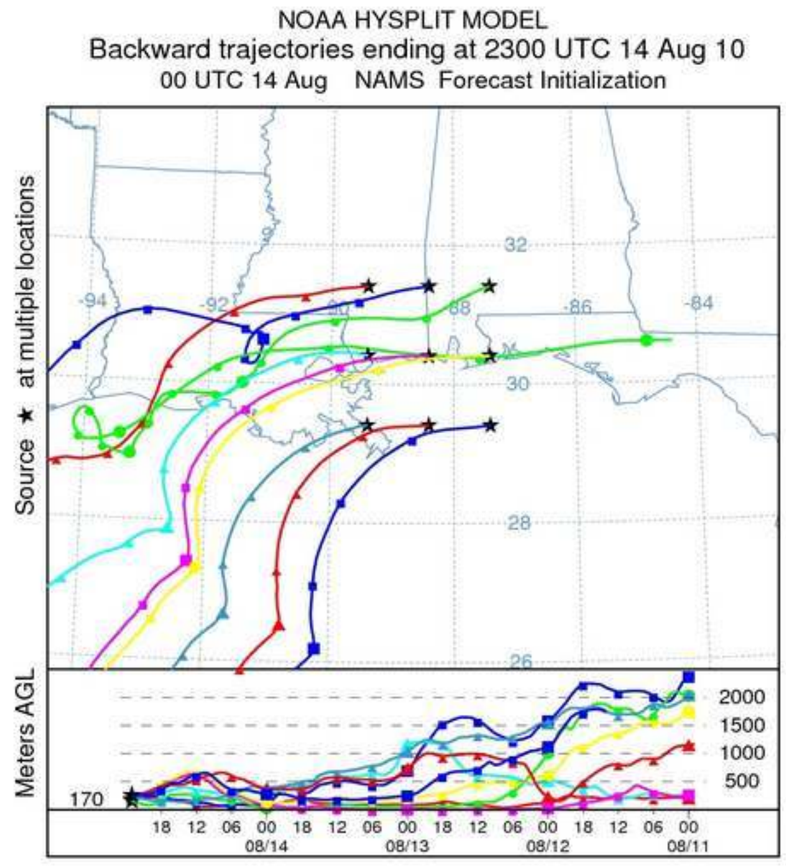

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
08/14
08/13
08/12
08/11

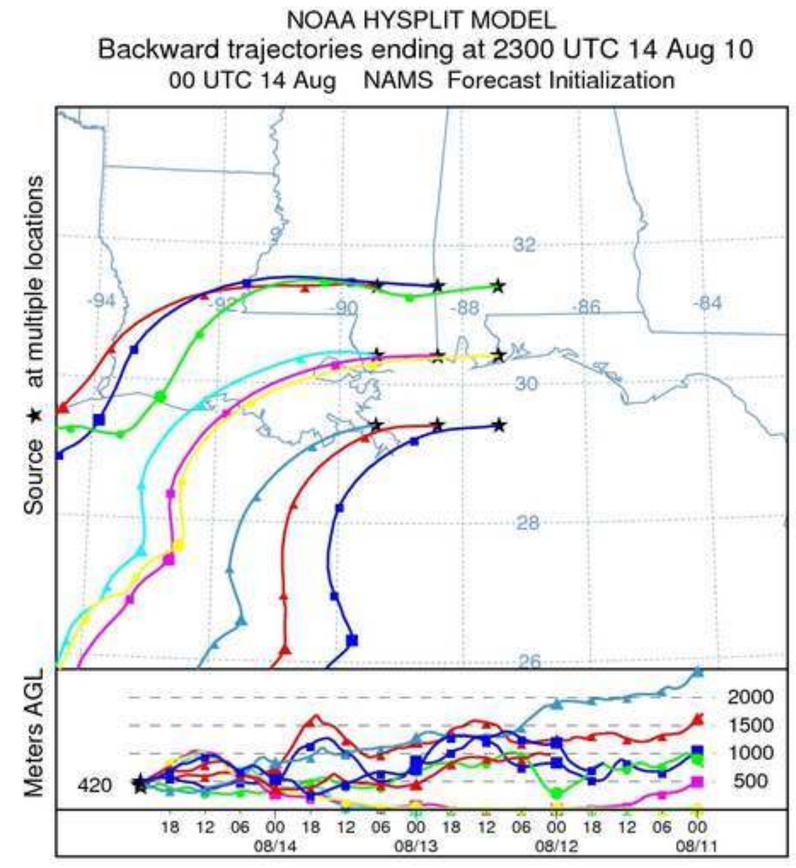

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
08/14
08/13
08/12
08/11

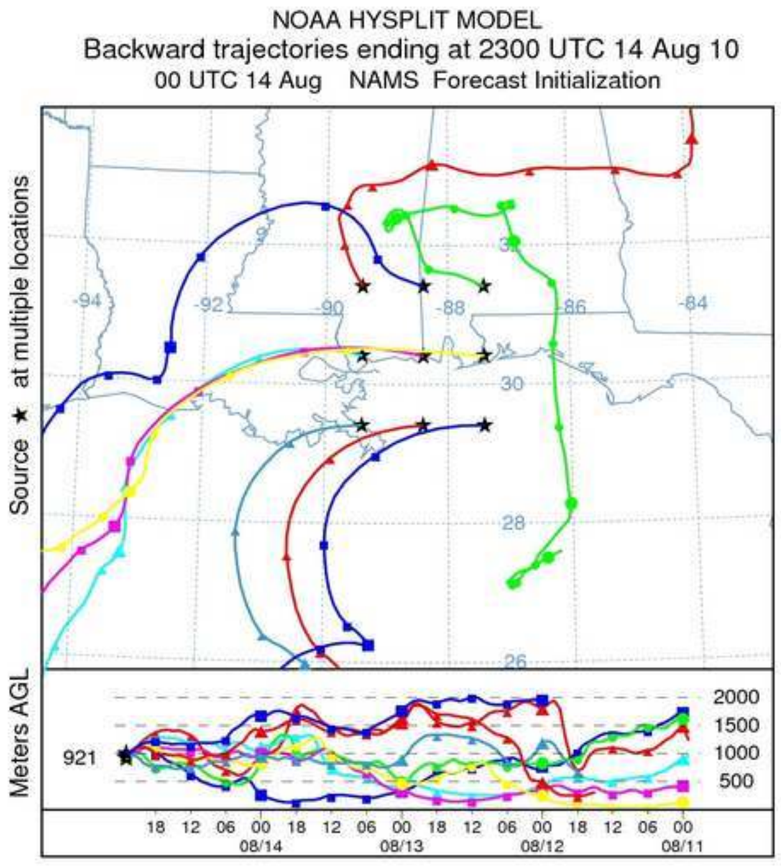

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
08/14
08/13
08/12
08/11

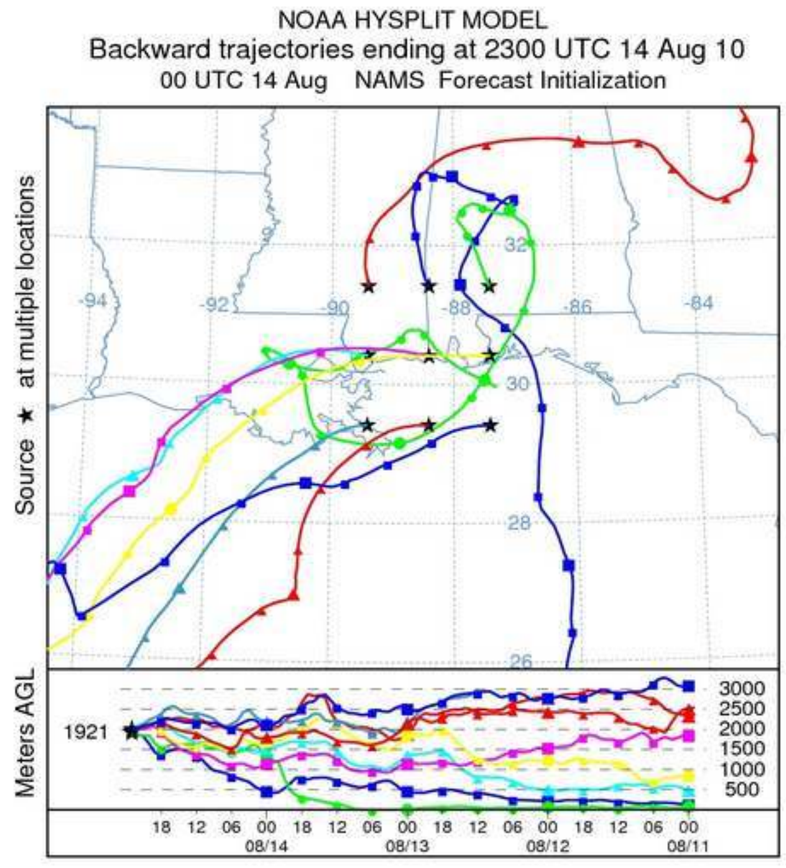

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
08/14
08/13
08/12
08/11

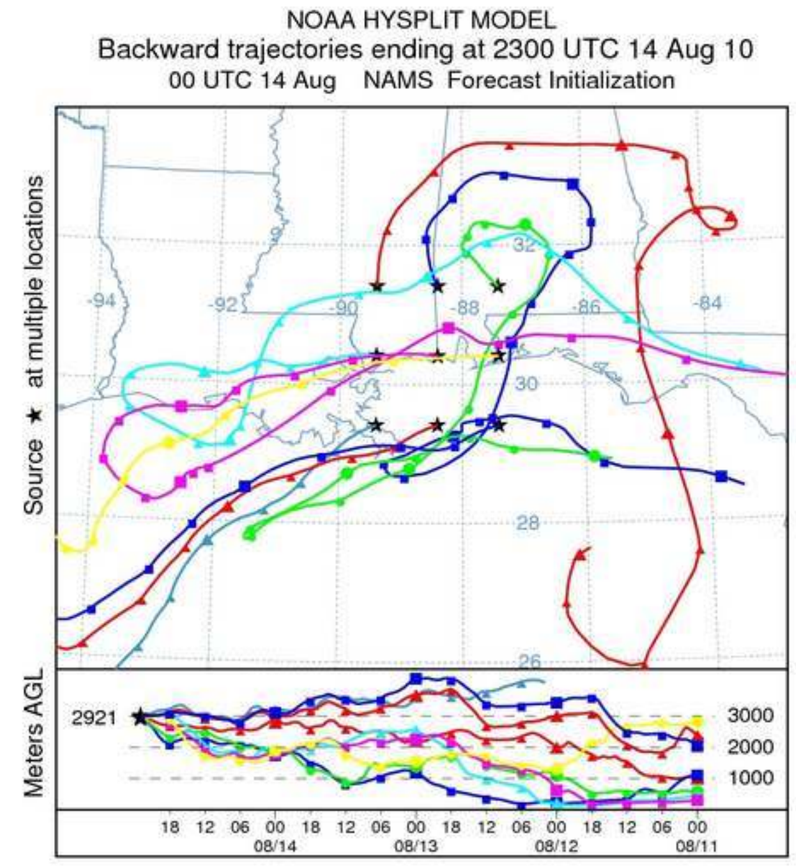

FORECAST for 2010_08_14, local hour = 18
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

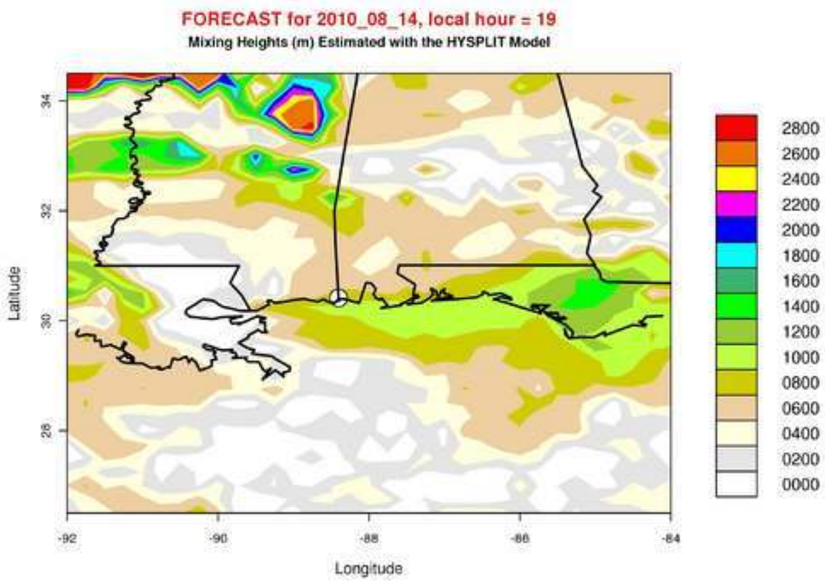

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
08/14
08/13
08/12
08/11

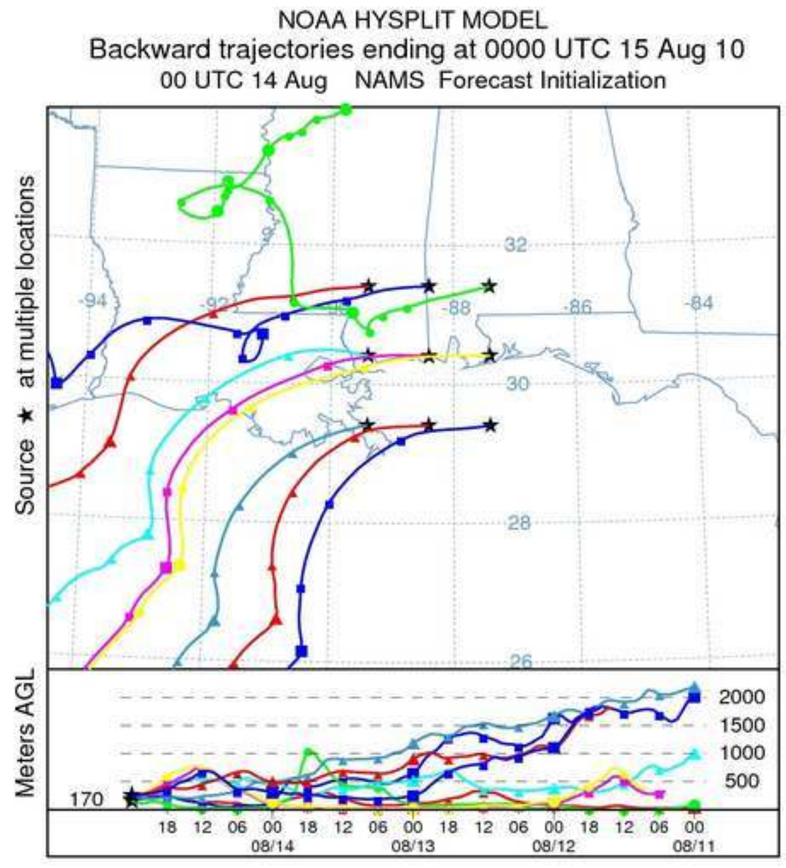

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
08/14
08/13
08/12
08/11

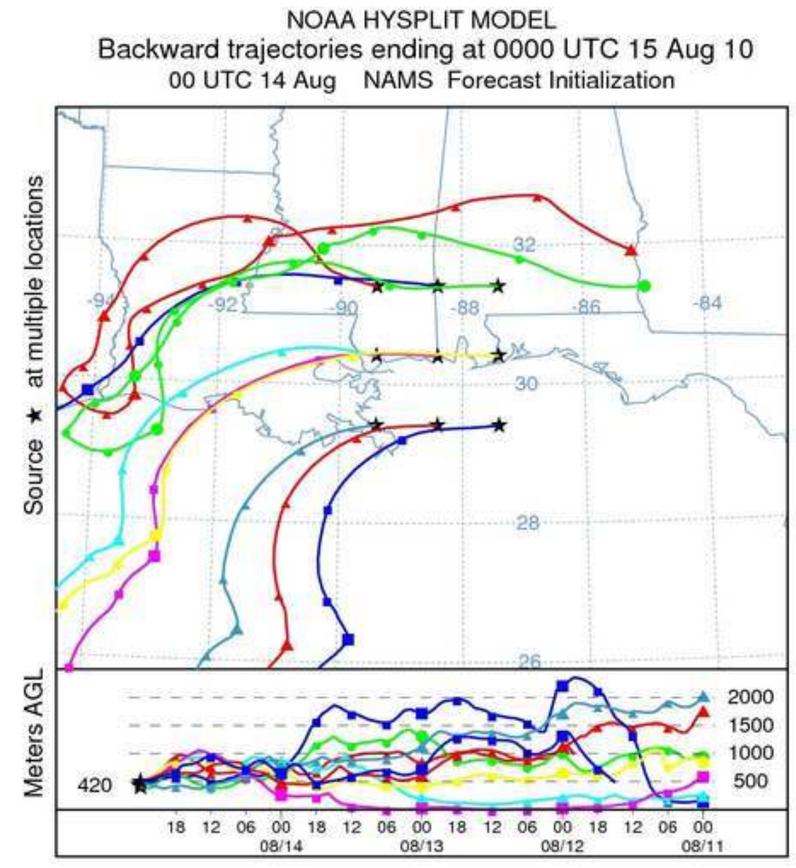

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
08/14
08/13
08/12
08/11

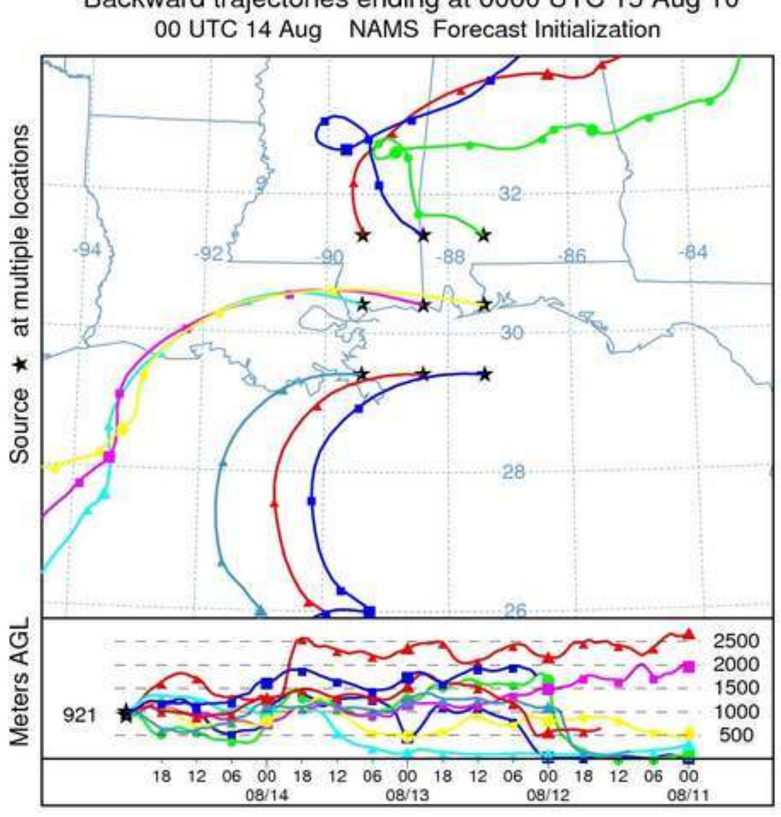

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
08/14
08/13
08/12
08/11

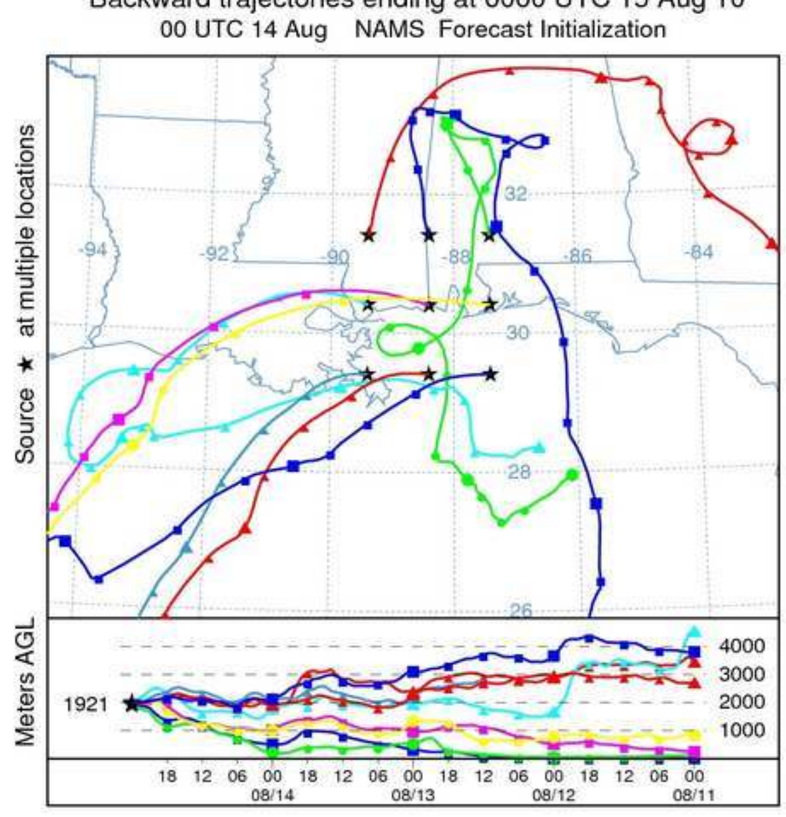

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 14 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
08/14
08/13
08/12
08/11

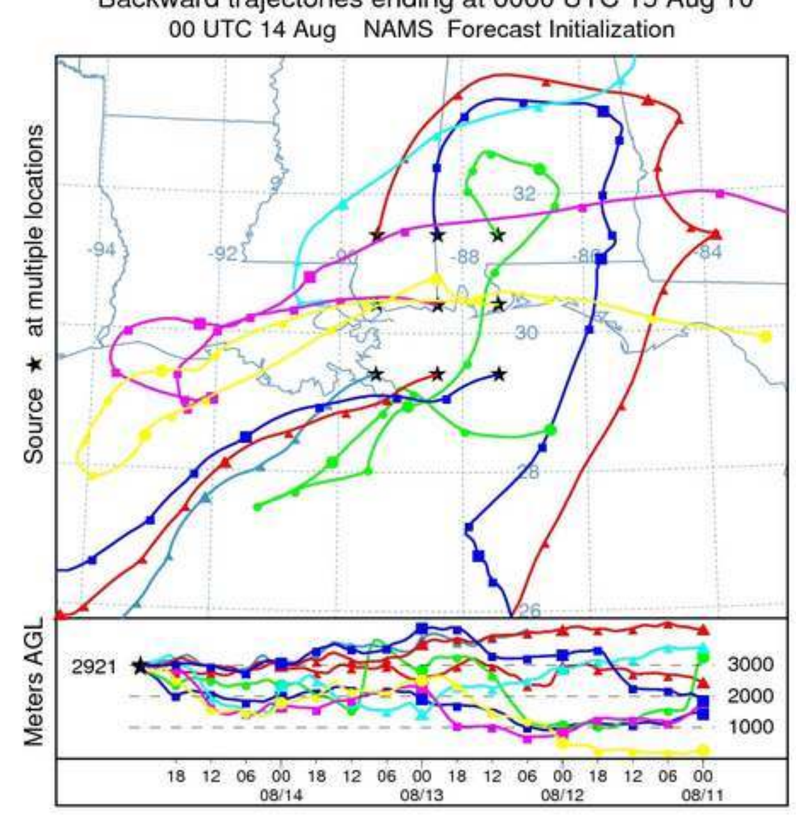

FORECAST for 2010_08_14, local hour = 19
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

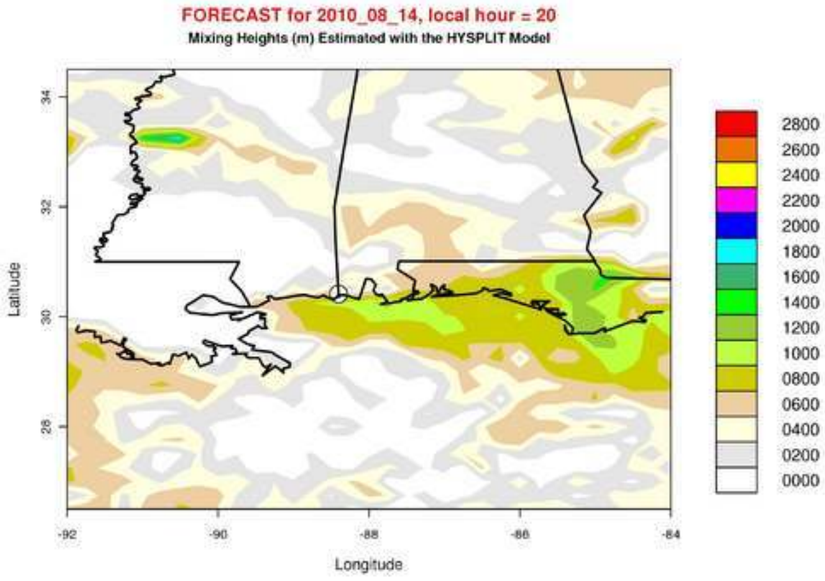

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 15 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2000
1500
1000
500
08/14
08/13
08/12
08/11

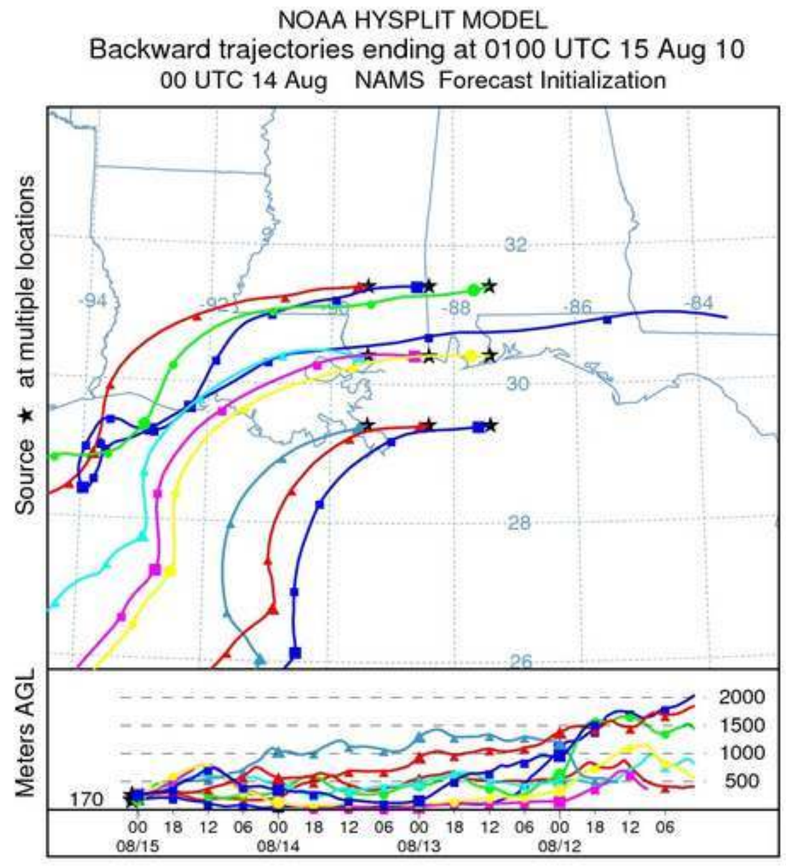

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 15 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
2000
1500
1000
500
08/14
08/13
08/12
08/11

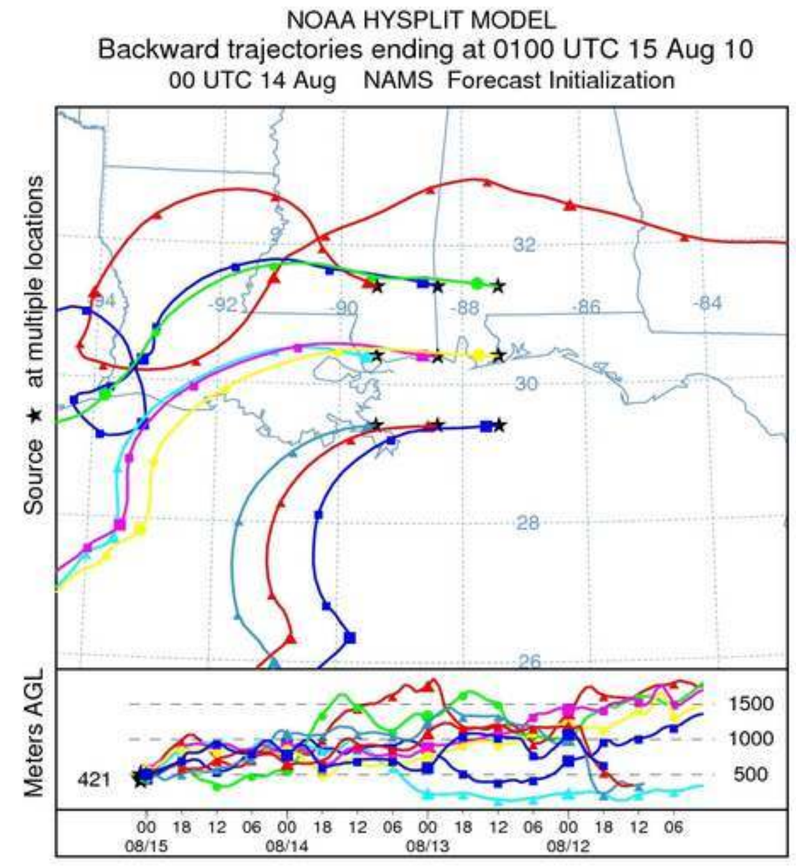

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 15 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
2500
2000
1500
1000
500
08/14
08/13
08/12
08/11

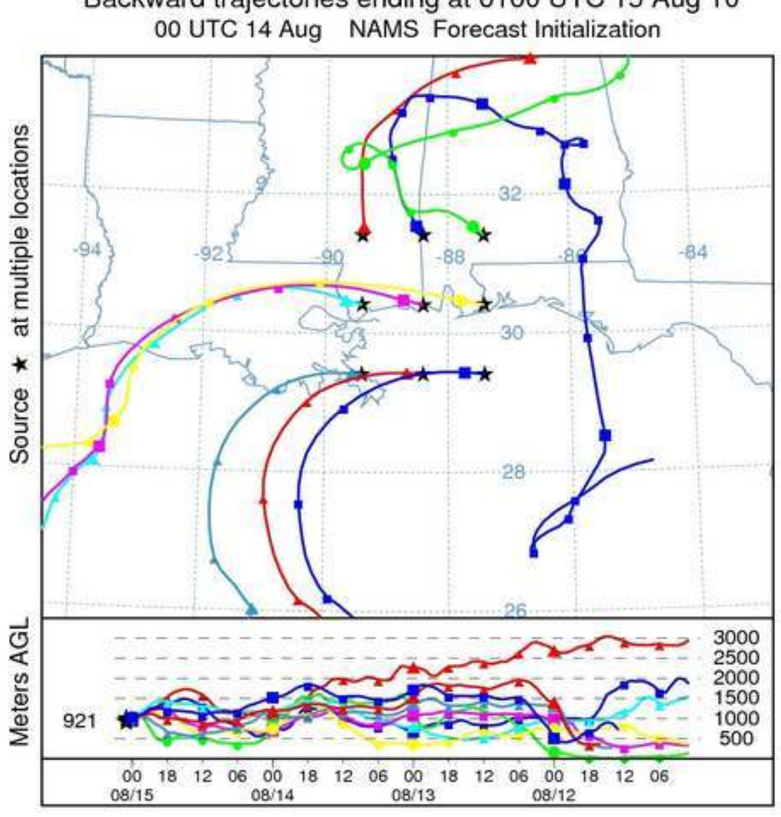

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 15 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
4000
3000
2000
1000
08/14
08/13
08/12
08/11

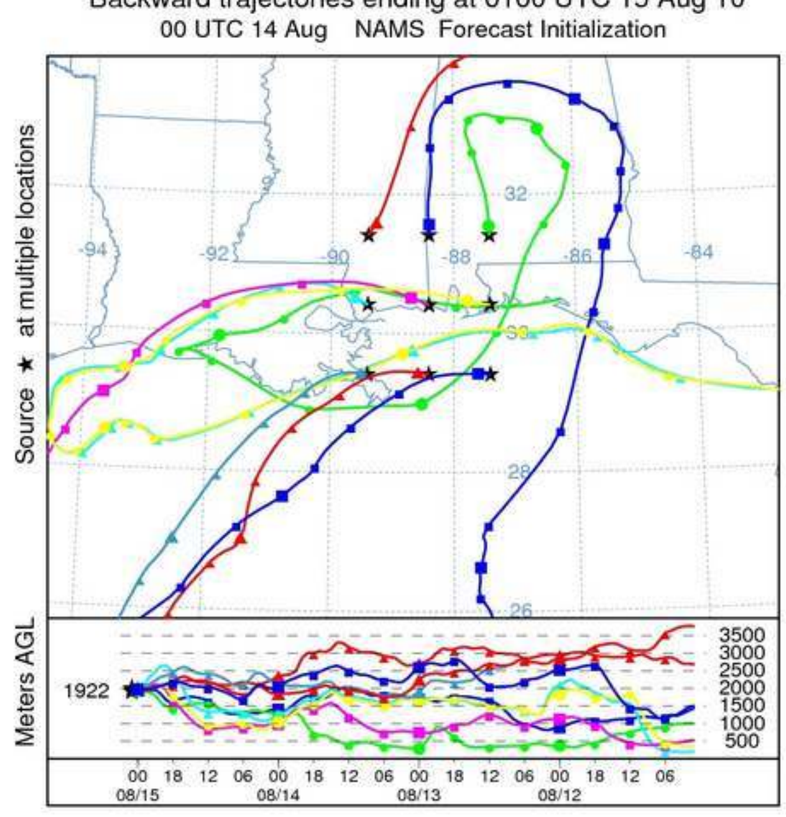

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 15 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
3000
2000
1000
08/14
08/13
08/12
08/11

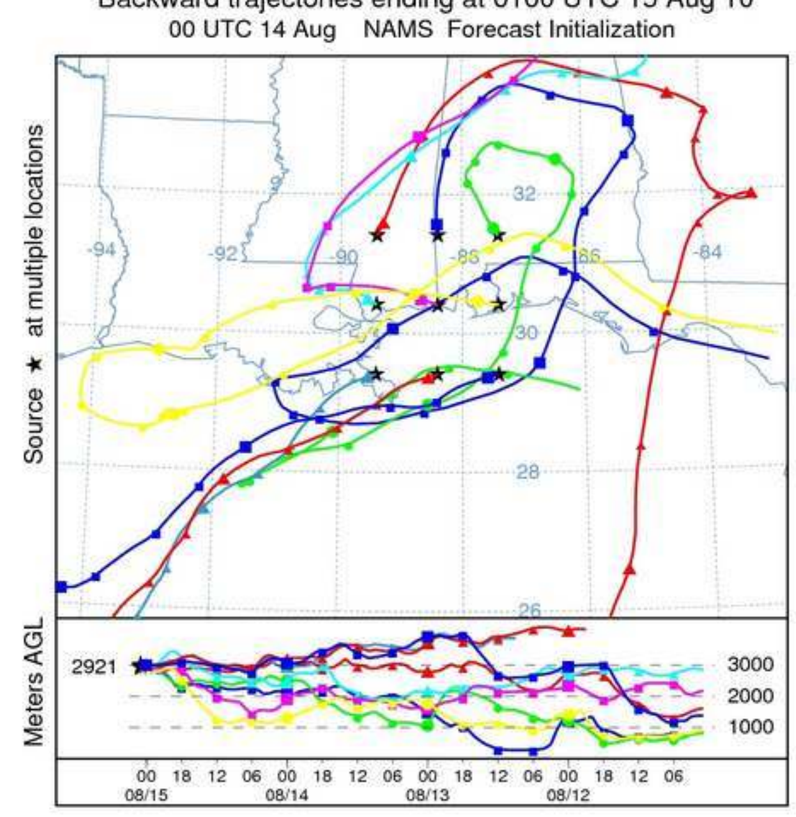

FORECAST for 2010_08_14, local hour = 20
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 15 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2000
1500
1000
500
08/15
08/14
08/13
08/12

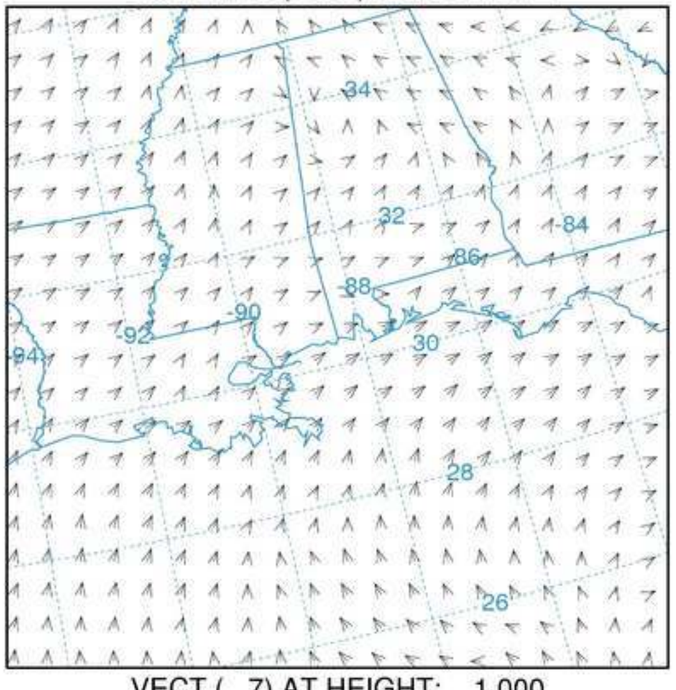

NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 15 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
1500
1000
500
08/15
08/14
08/13
08/12


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 15 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3000
2500
2000
1500
1000
500
08/15
08/14
08/13
08/12


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 15 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
3500
3000
2500
2000
1500
1000
500
08/15
08/14
08/13
08/12


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 15 Aug 10
00 UTC 14 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
3000
2000
1000
08/15
08/14
08/13
08/12

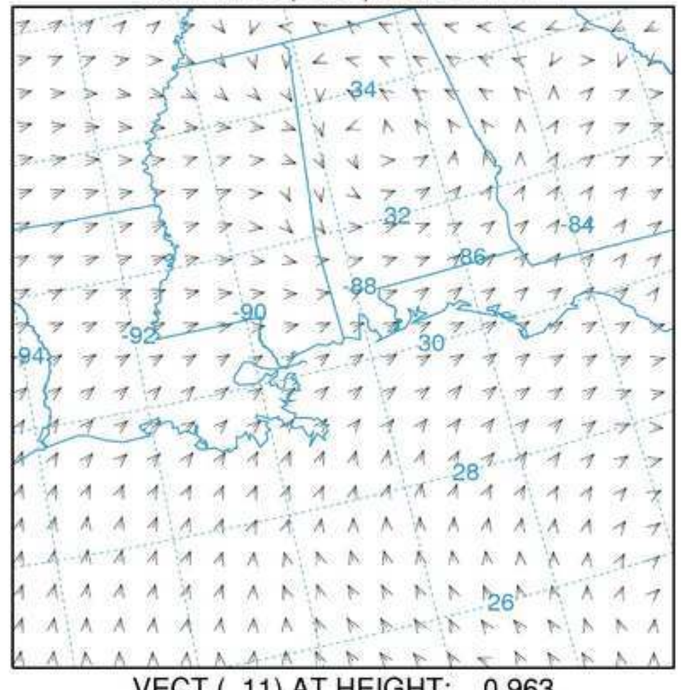
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/14



VECT (7) AT HEIGHT: 1.000

Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)

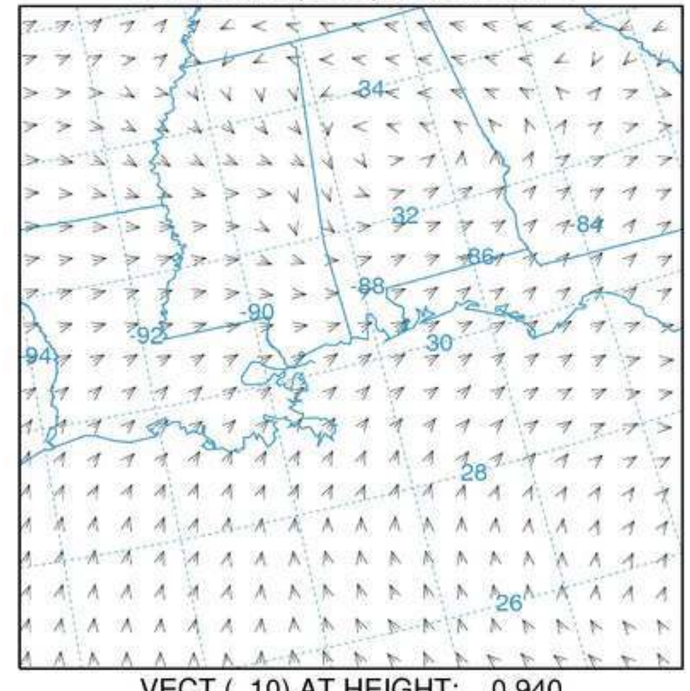
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/14



VECT (11) AT HEIGHT: 0.963

Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters

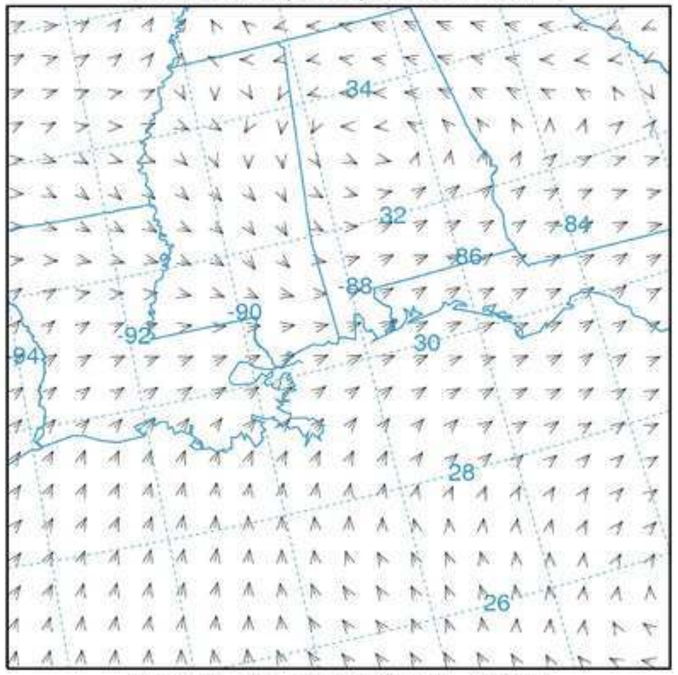
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/14



VECT (10) AT HEIGHT: 0.940

Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters

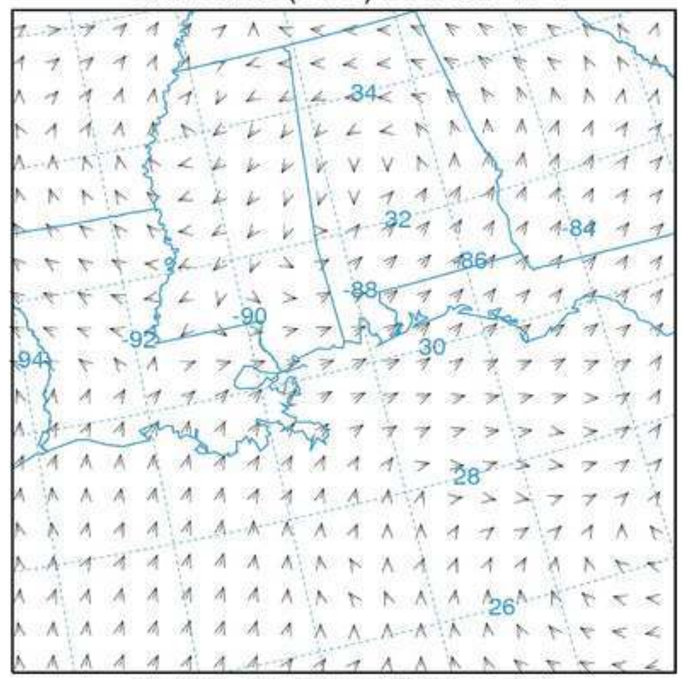
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/14



VECT (10) AT HEIGHT: 0.904

Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters

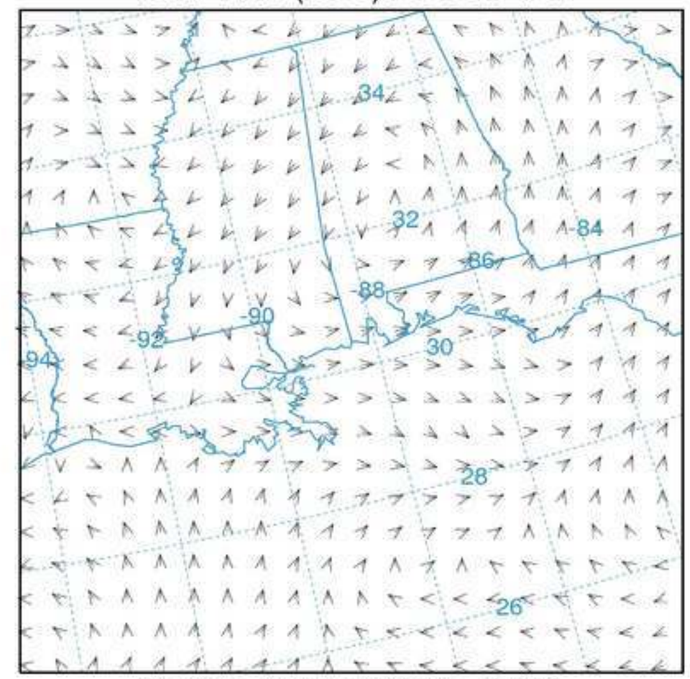
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/14



VECT (10) AT HEIGHT: 0.826

Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

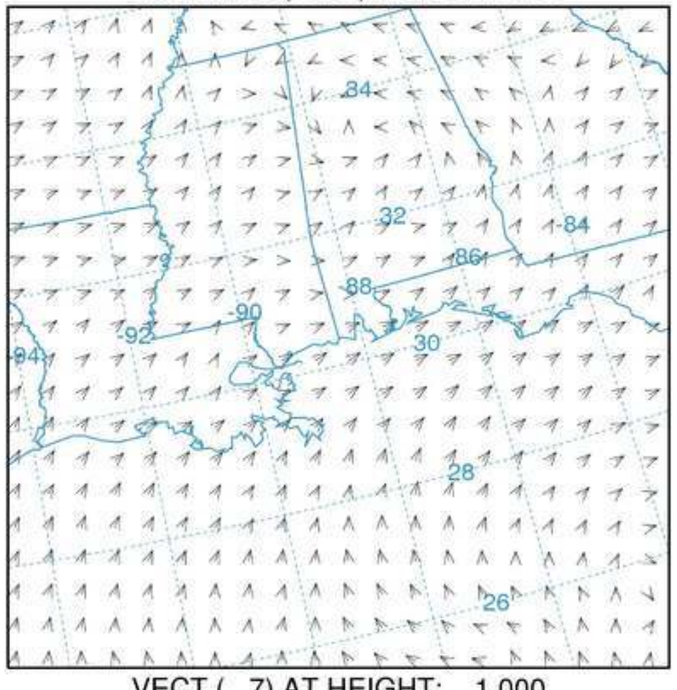
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/14



VECT (8) AT HEIGHT: 0.718

Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

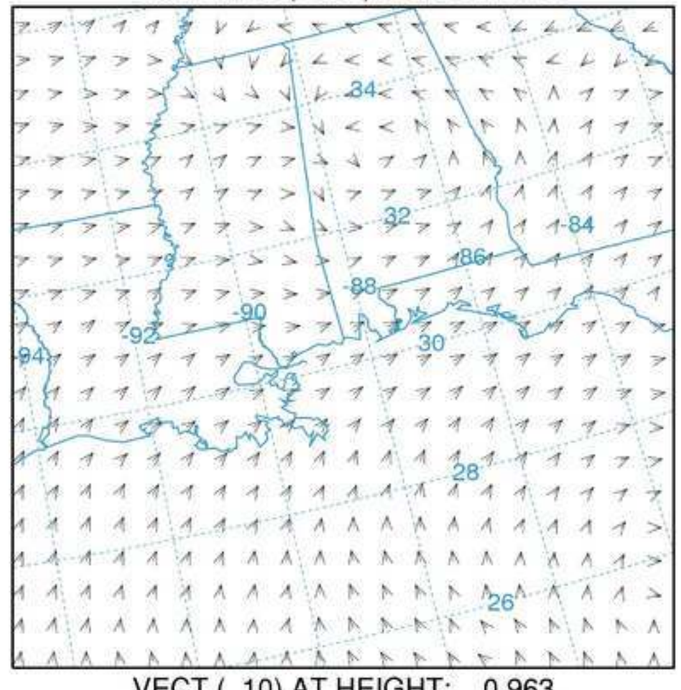
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/15



VECT (7) AT HEIGHT: 1.000

Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)

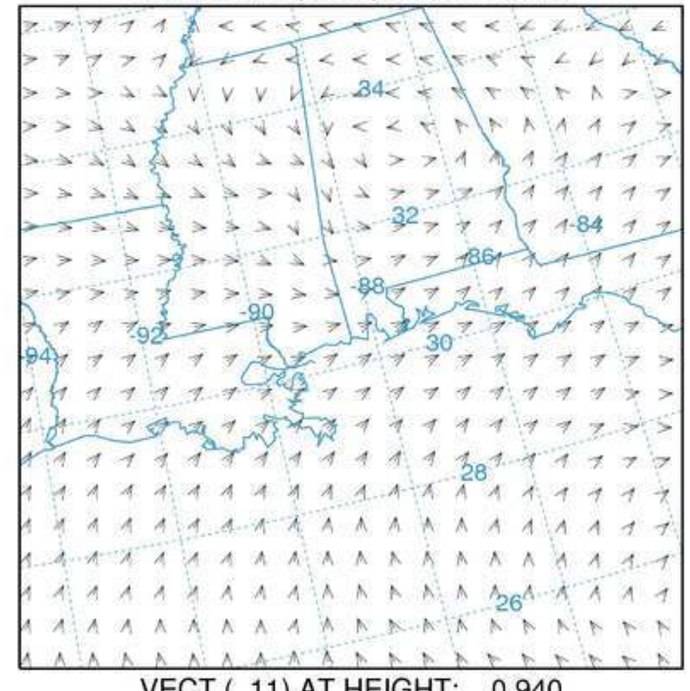
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/15



VECT (10) AT HEIGHT: 0.963

Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters

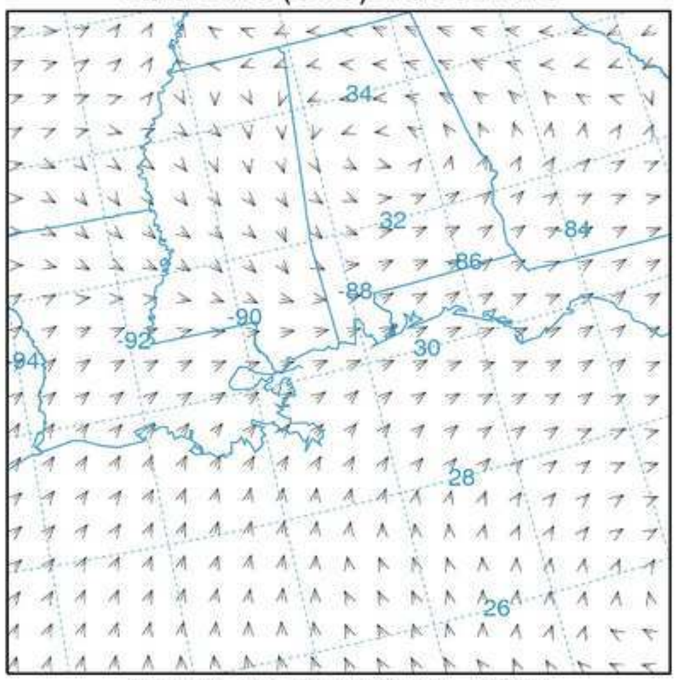
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/15



VECT (11) AT HEIGHT: 0.940

Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters

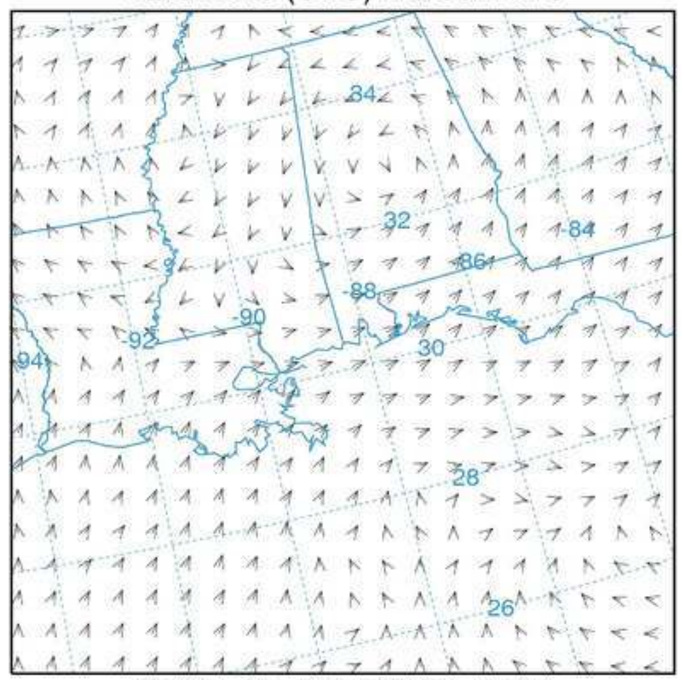
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/15



VECT (11) AT HEIGHT: 0.904

Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters

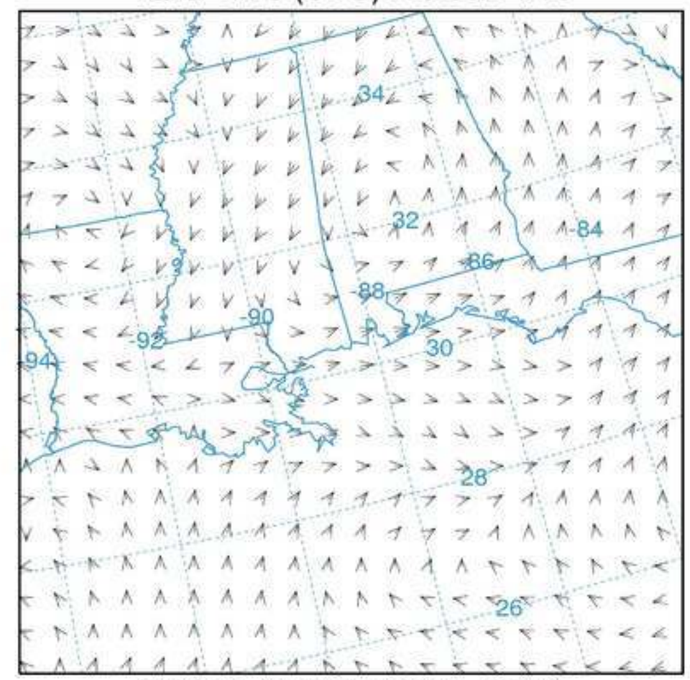
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/15



VECT (11) AT HEIGHT: 0.826

Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

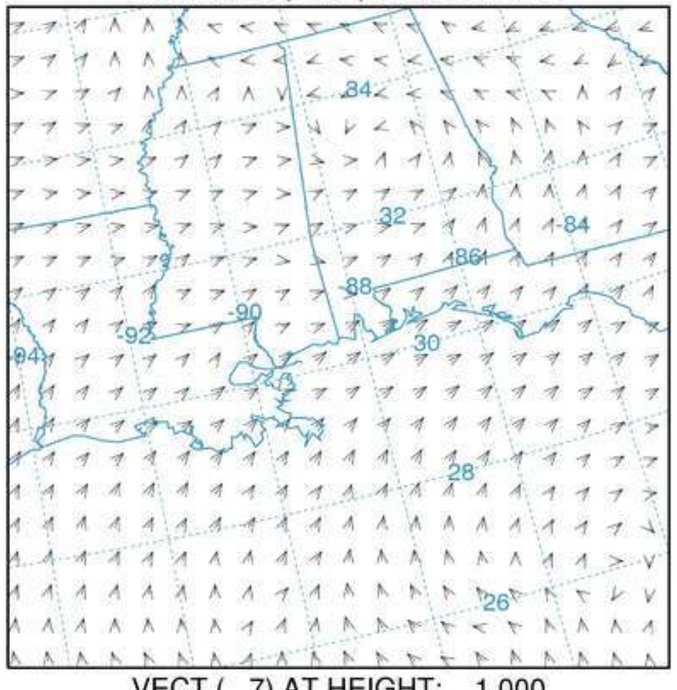
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/15



VECT (8) AT HEIGHT: 0.718

Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

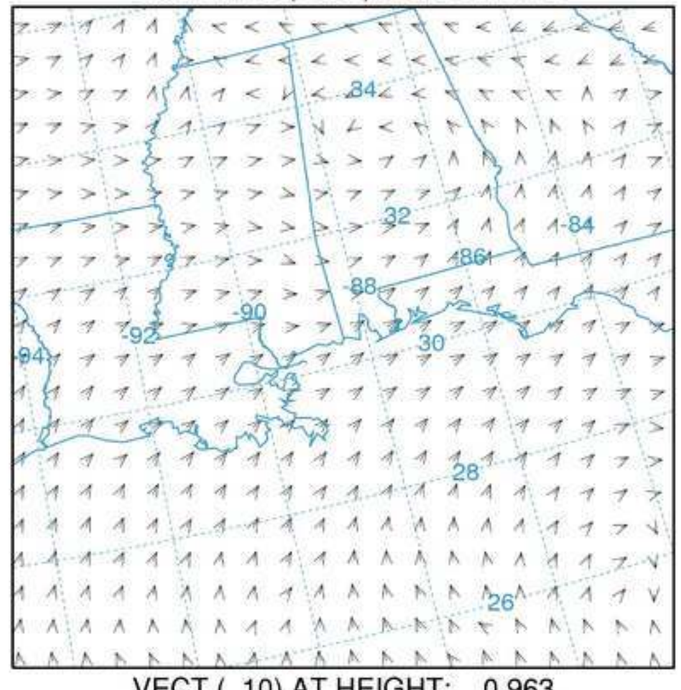
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/16



VECT (7) AT HEIGHT: 1.000

Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)

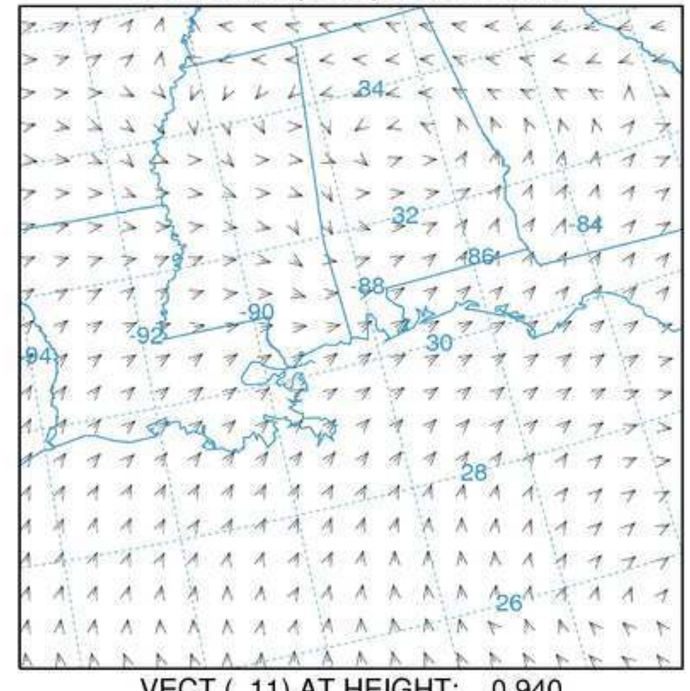
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/16



VECT (10) AT HEIGHT: 0.963

Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters

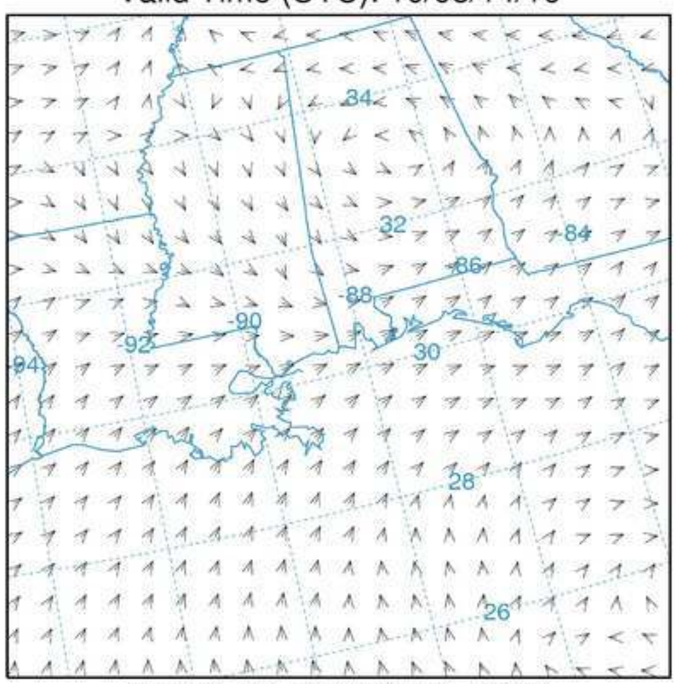
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/16



VECT (11) AT HEIGHT: 0.940

Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters

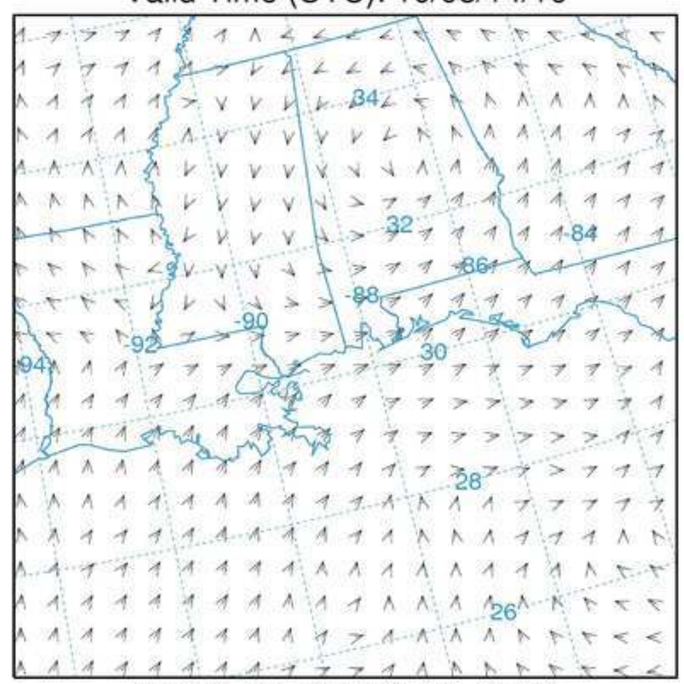
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/16



VECT (11) AT HEIGHT: 0.904

Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters

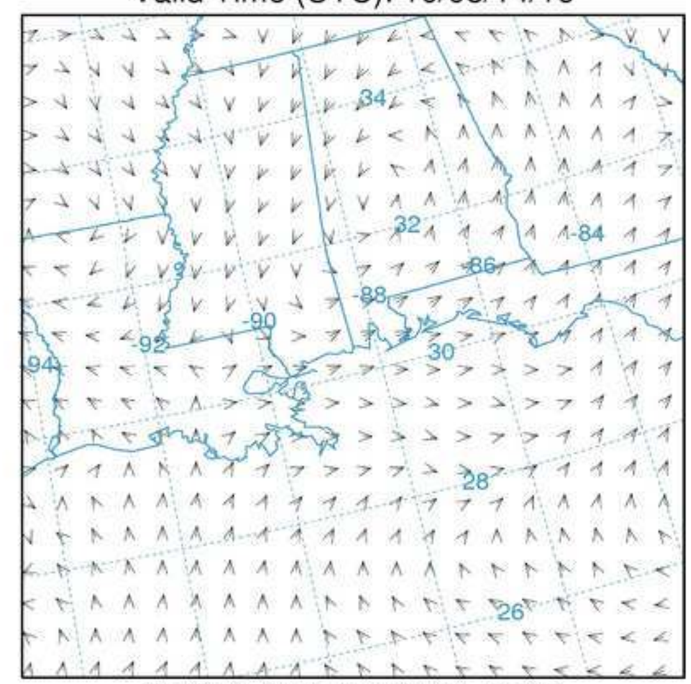
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/16



VECT (11) AT HEIGHT: 0.826

Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

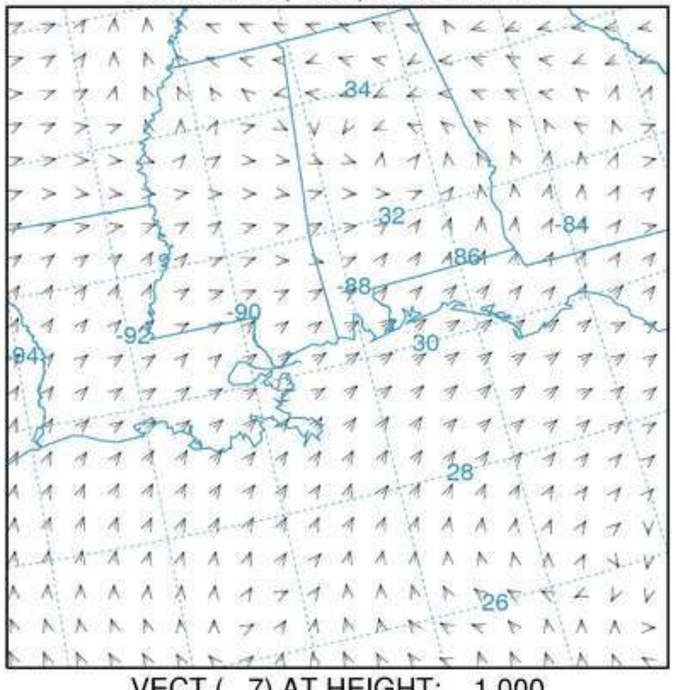
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/16



VECT (9) AT HEIGHT: 0.718

Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

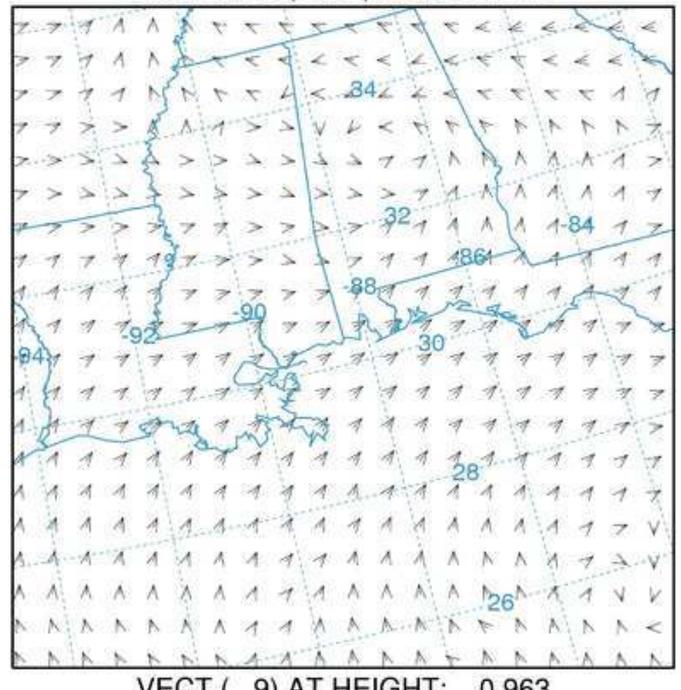
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/17



VECT (7) AT HEIGHT: 1.000

Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)

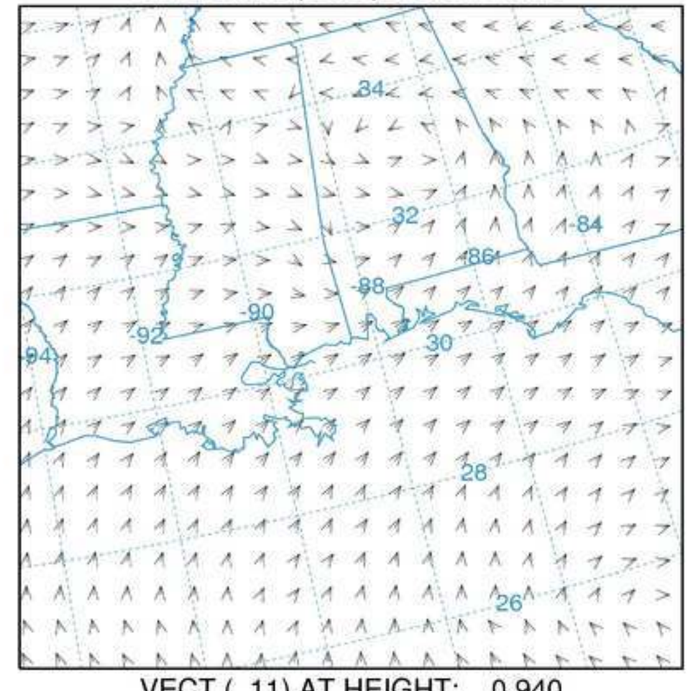
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/17



VECT (9) AT HEIGHT: 0.963

Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters

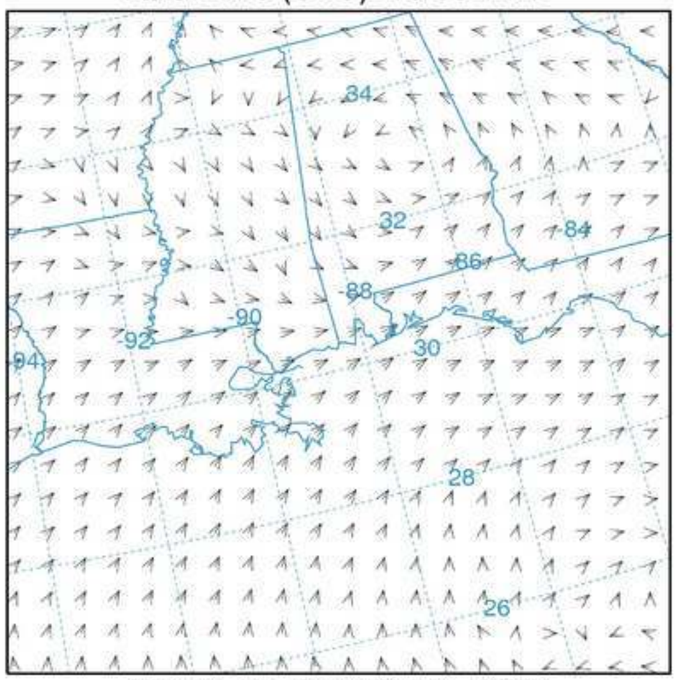
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/17



VECT (11) AT HEIGHT: 0.940

Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters

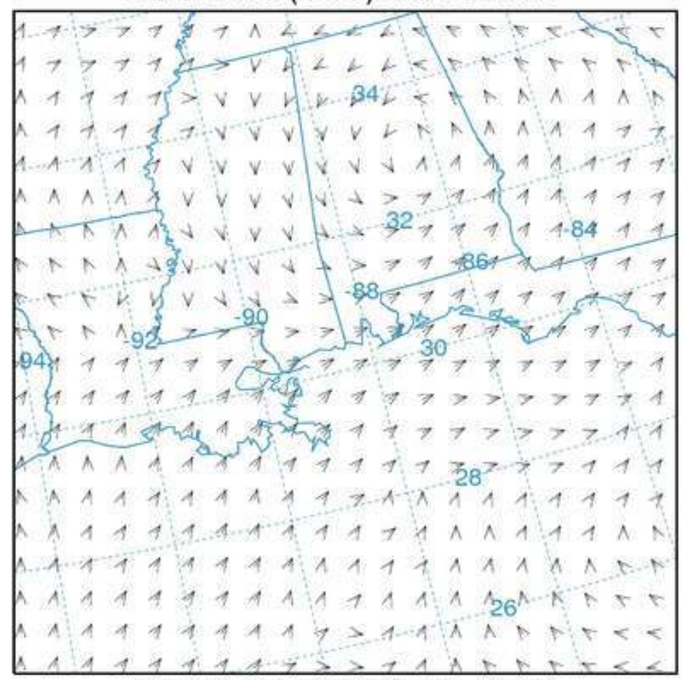
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/17



VECT (11) AT HEIGHT: 0.904

Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters

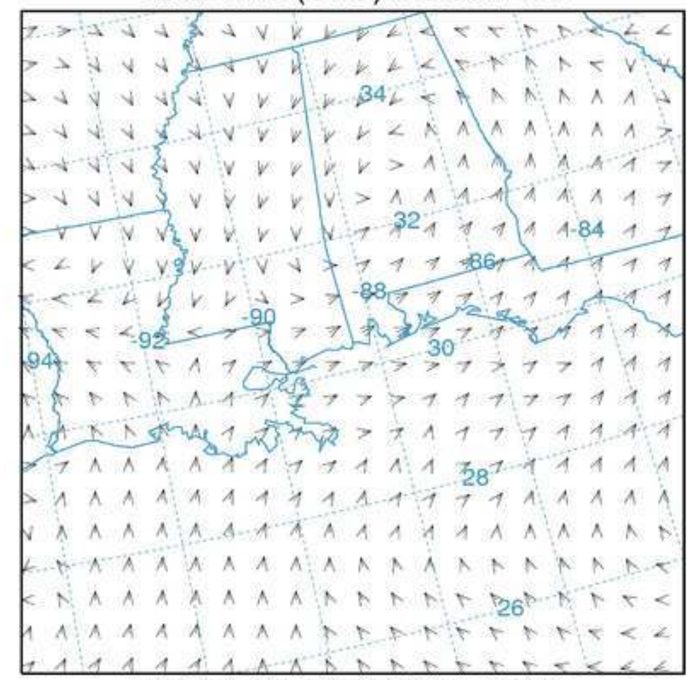
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/17



VECT (11) AT HEIGHT: 0.826

Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

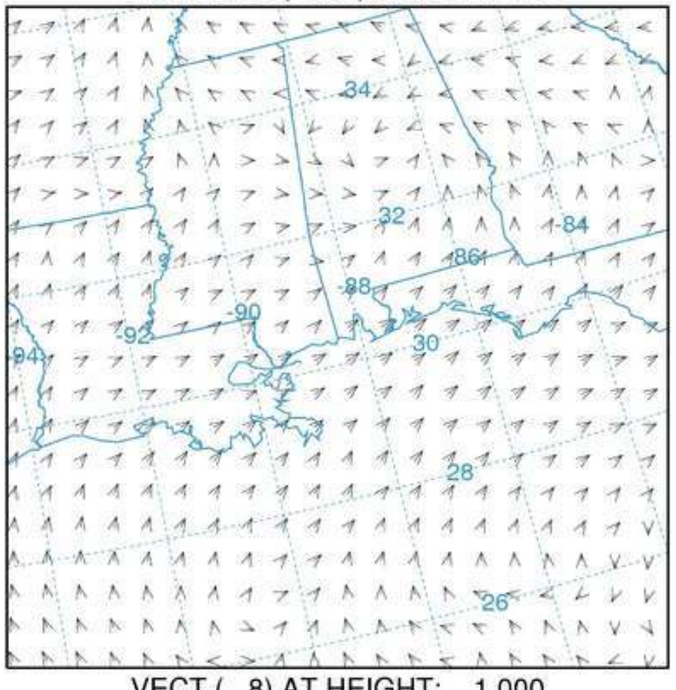
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/17



VECT (10) AT HEIGHT: 0.718

Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

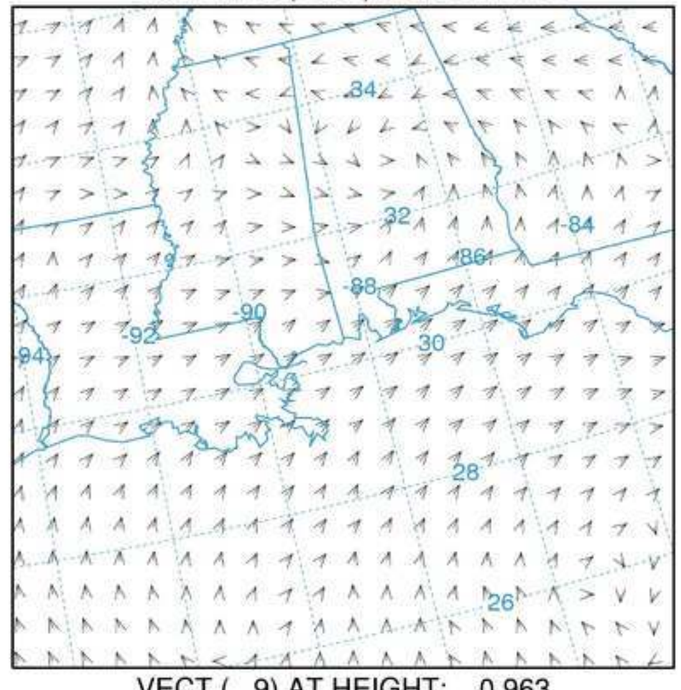
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/18



VECT (8) AT HEIGHT: 1.000

Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)

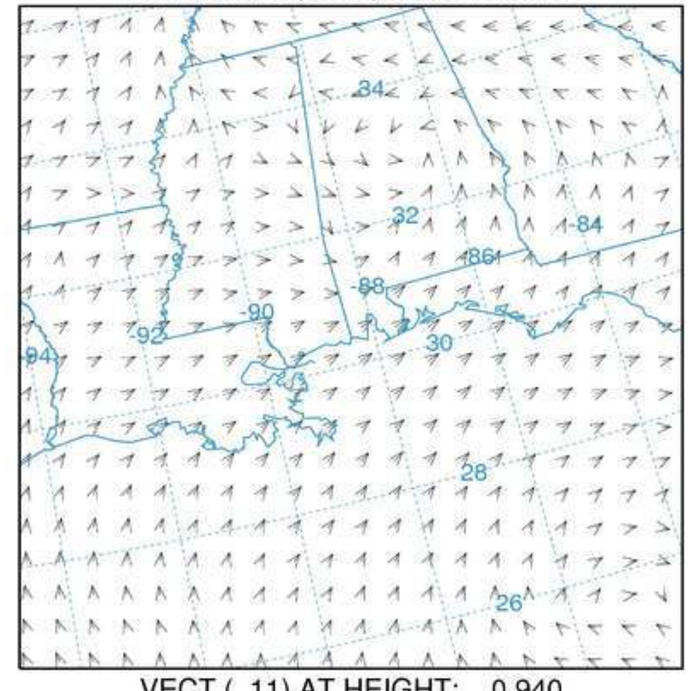
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/18



VECT (9) AT HEIGHT: 0.963

Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters

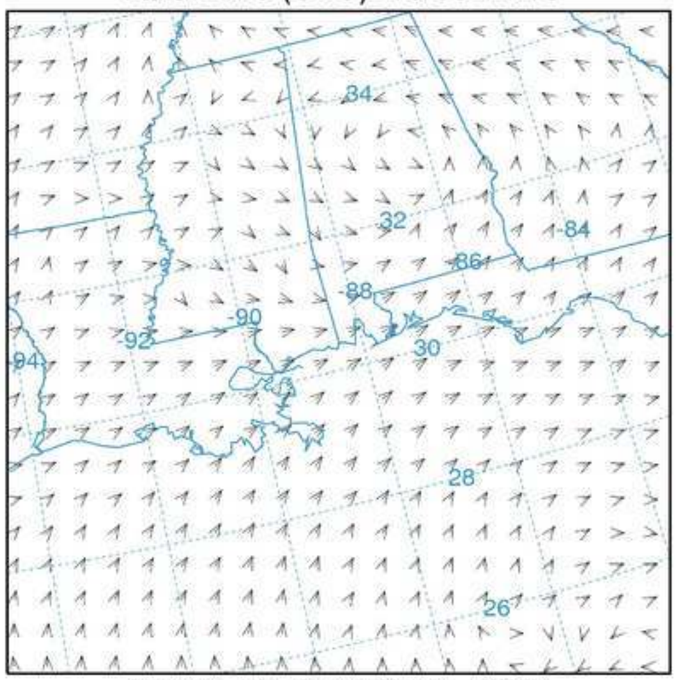
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/18



VECT (11) AT HEIGHT: 0.940

Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters

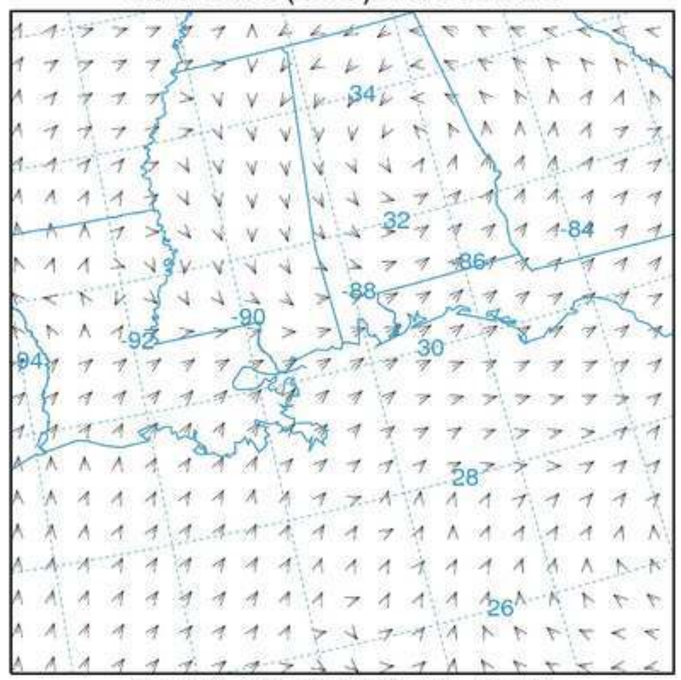
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/18



VECT (12) AT HEIGHT: 0.904

Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters

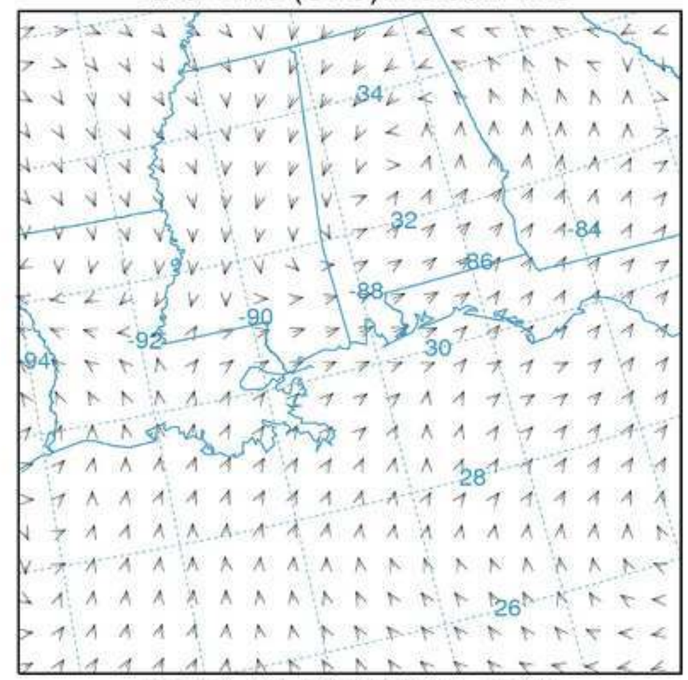
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/18



VECT (12) AT HEIGHT: 0.826

Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

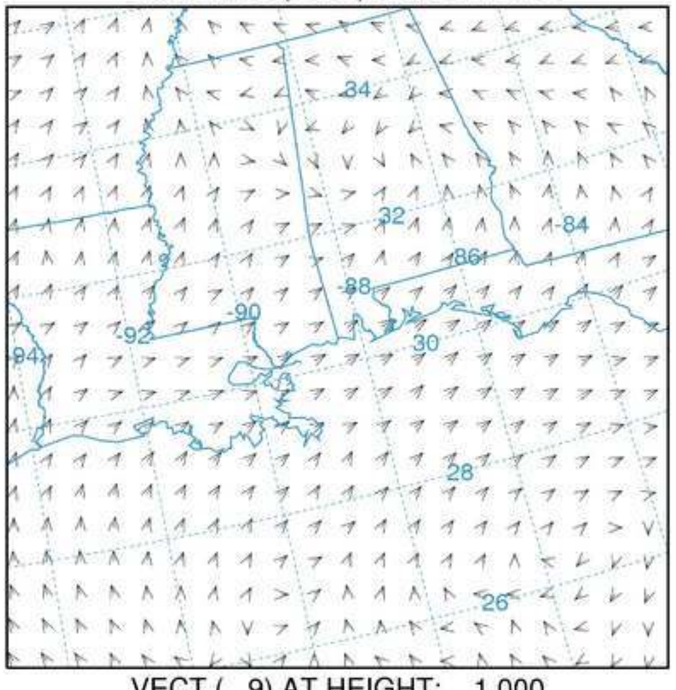
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/18



VECT (11) AT HEIGHT: 0.718

Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

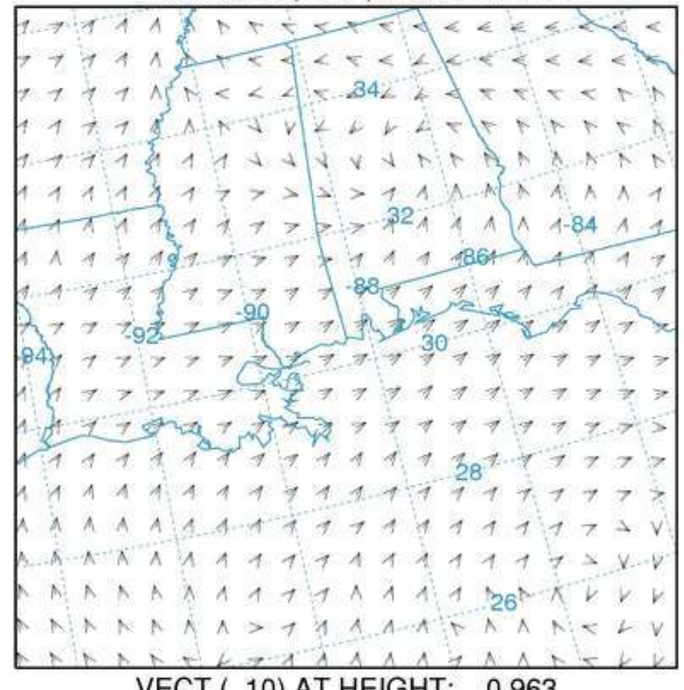
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/19



VECT (9) AT HEIGHT: 1.000

Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)

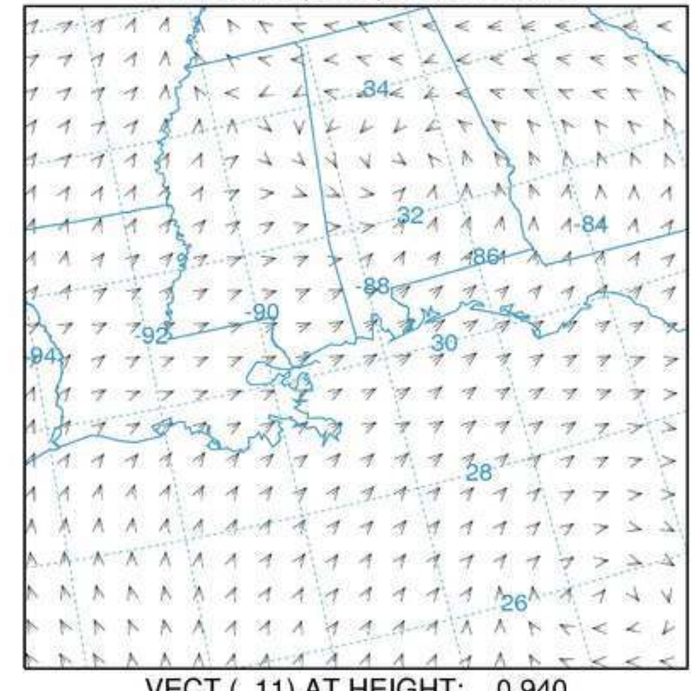
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/19



VECT (10) AT HEIGHT: 0.963

Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters

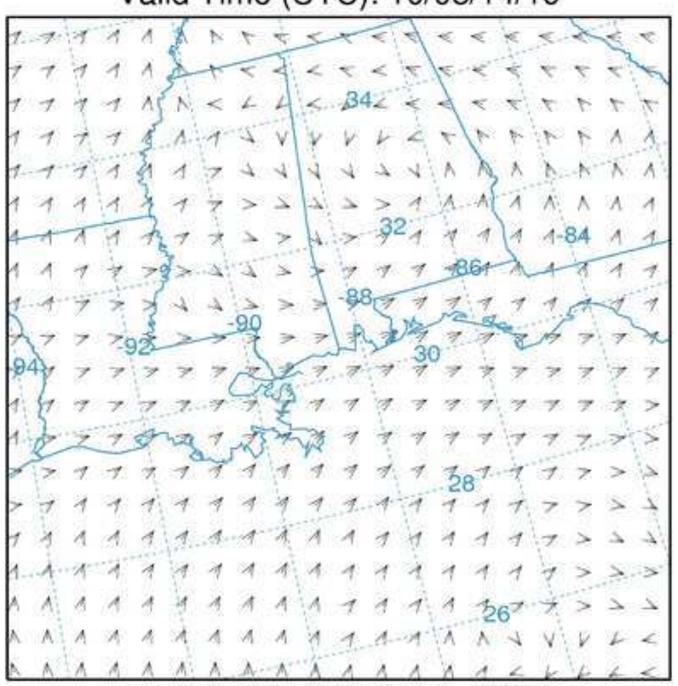
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/19



VECT (11) AT HEIGHT: 0.940

Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters

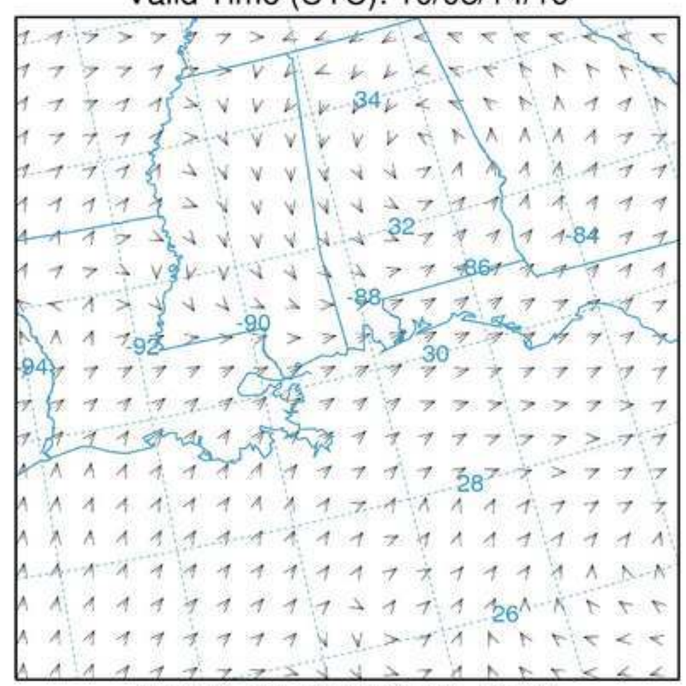
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/19



VECT (13) AT HEIGHT: 0.904

Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters

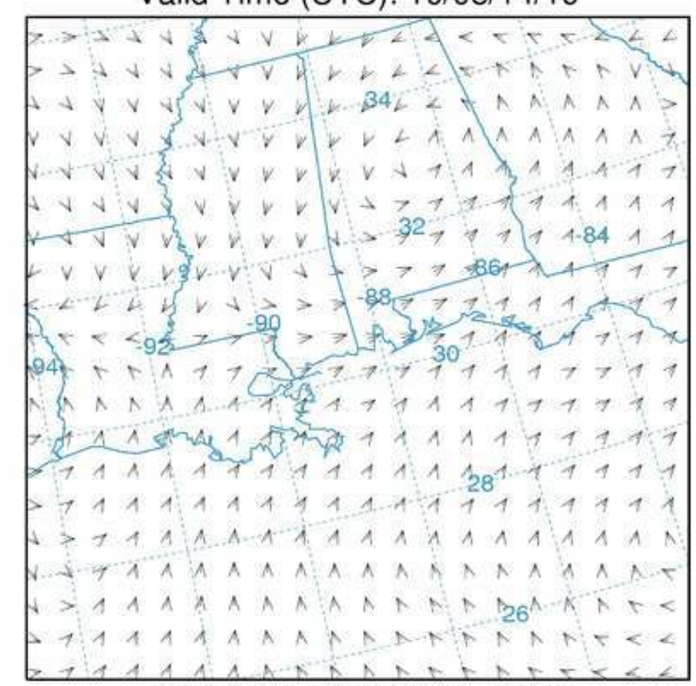
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/19



VECT (13) AT HEIGHT: 0.826

Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

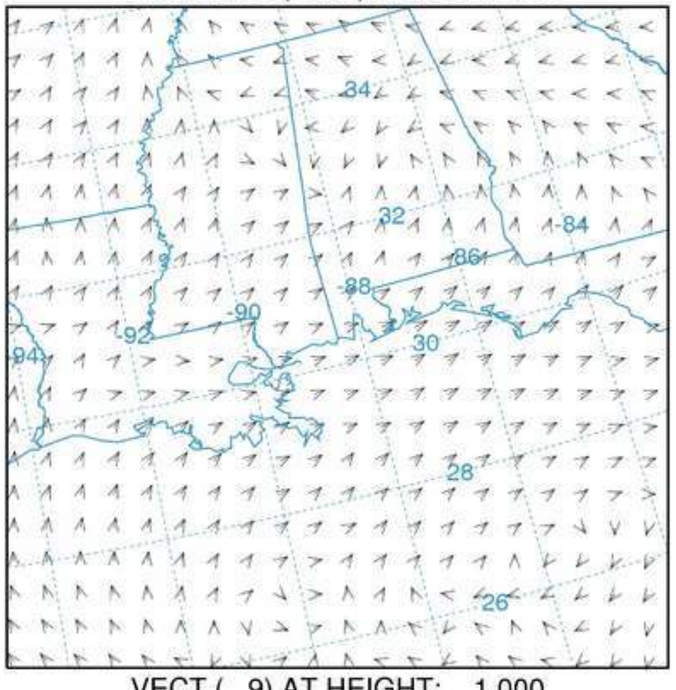
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/19



VECT (12) AT HEIGHT: 0.718

Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

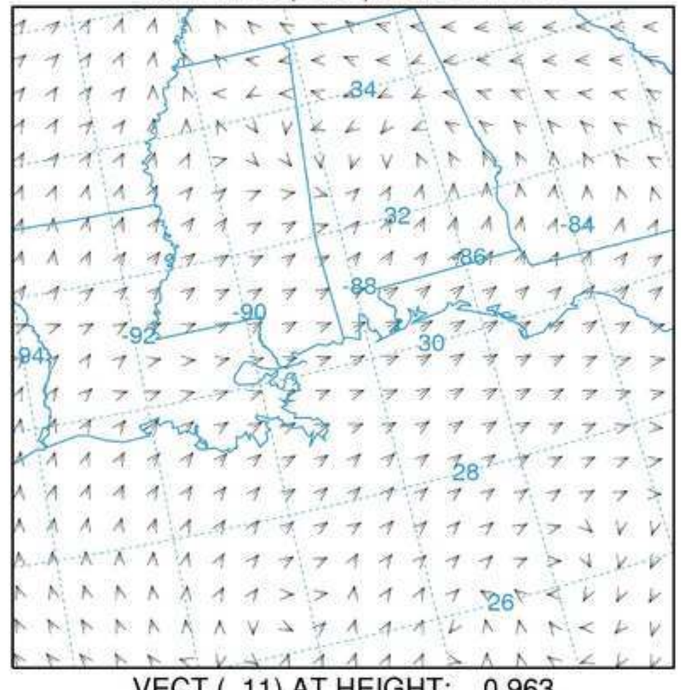
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/20



VECT (9) AT HEIGHT: 1.000

Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)

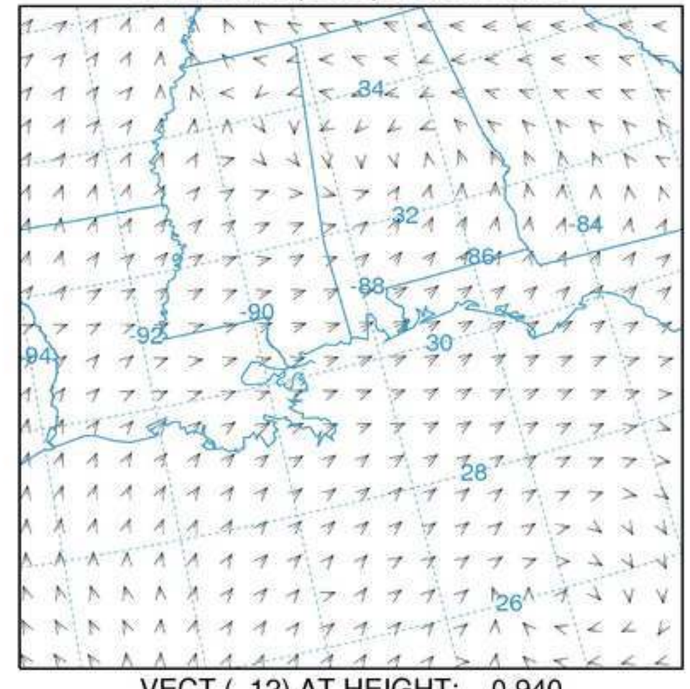
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/20



VECT (11) AT HEIGHT: 0.963

Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters

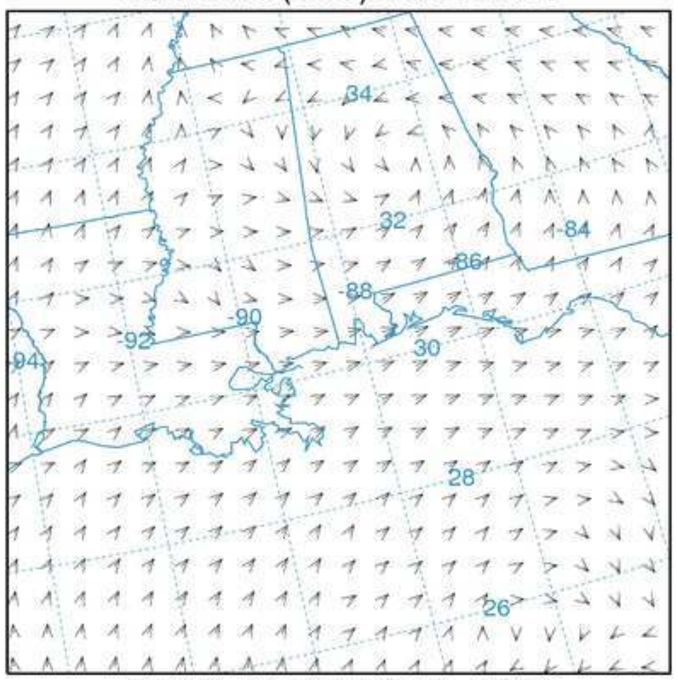
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/20



VECT (12) AT HEIGHT: 0.940

Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters

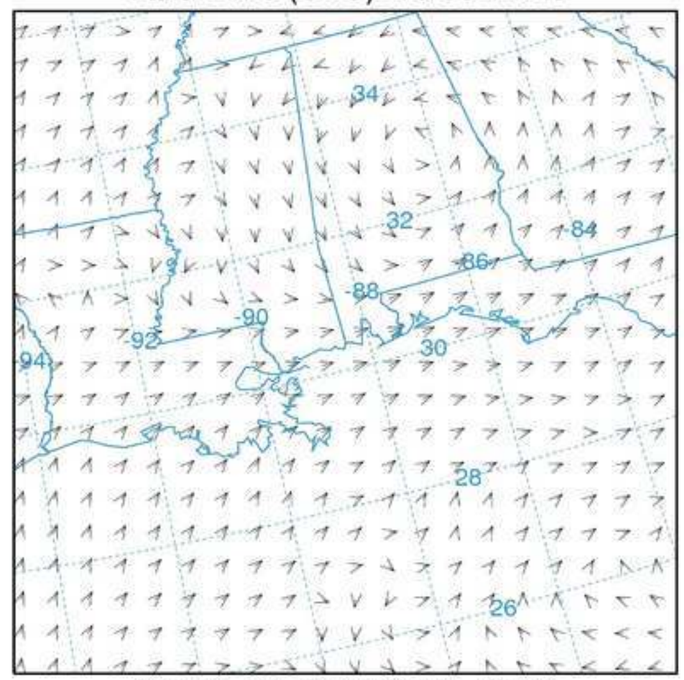
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/20



VECT (14) AT HEIGHT: 0.904

Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters

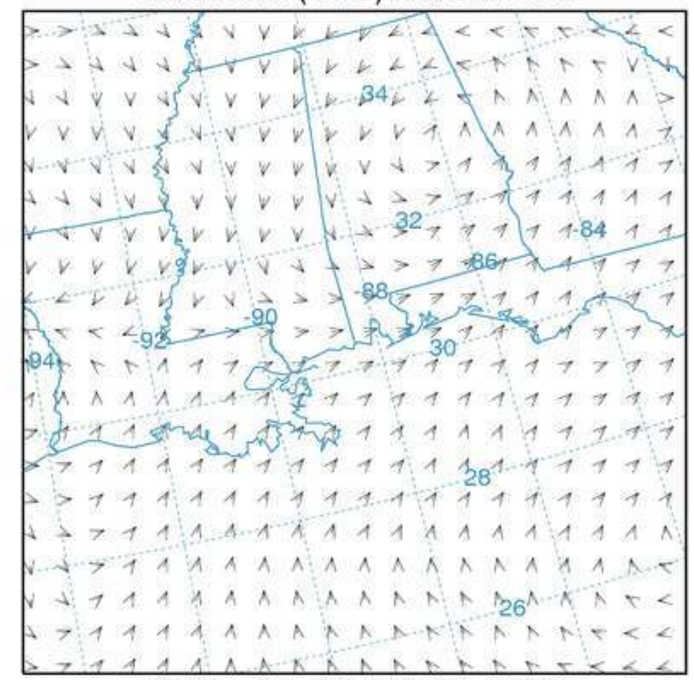
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/20



VECT (14) AT HEIGHT: 0.826

Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

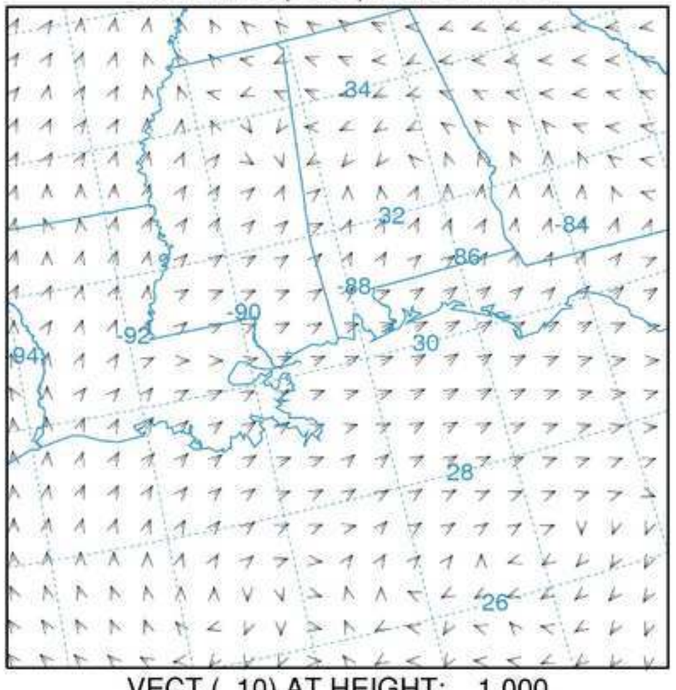
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/20



VECT (13) AT HEIGHT: 0.718

Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

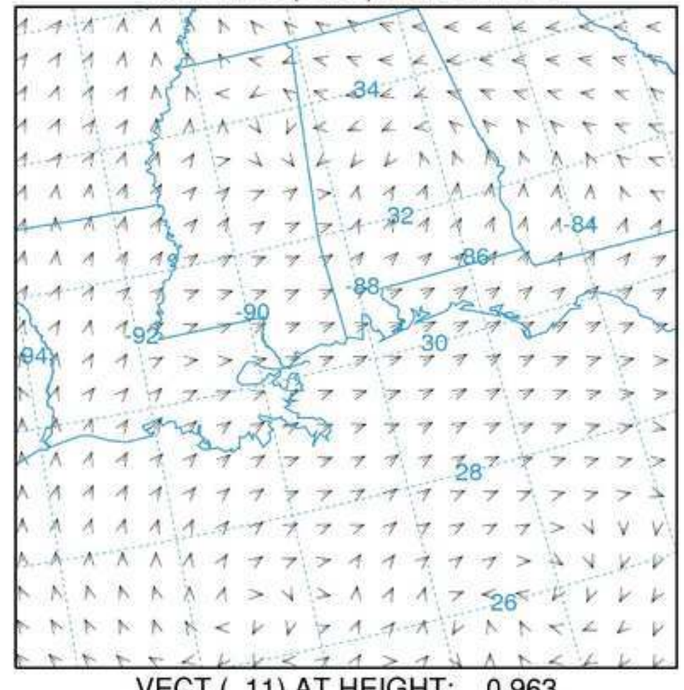
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/21



VECT (10) AT HEIGHT: 1.000

Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)

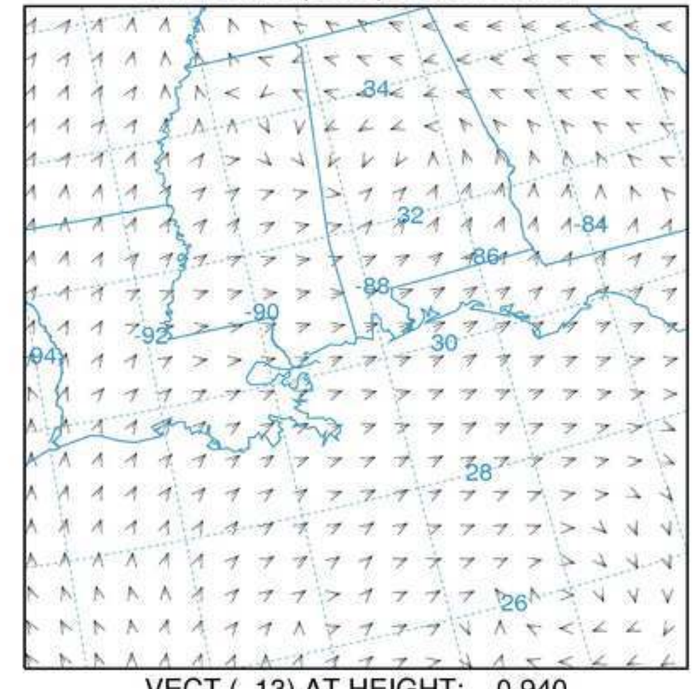
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/21



VECT (11) AT HEIGHT: 0.963

Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters

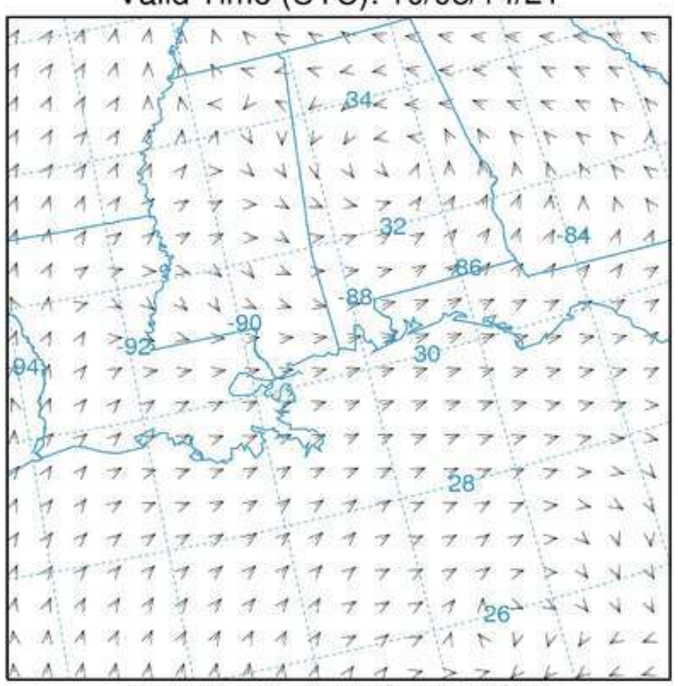
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/21



VECT (13) AT HEIGHT: 0.940

Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters

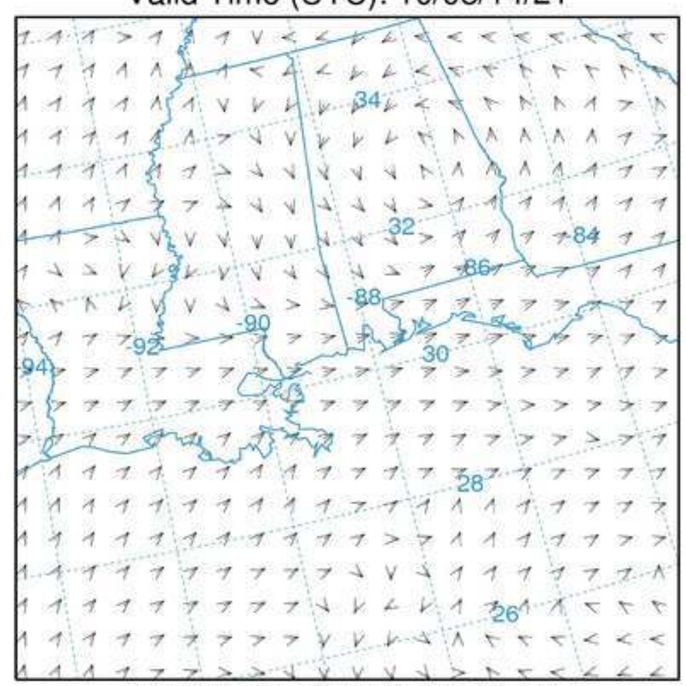
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/21



VECT (15) AT HEIGHT: 0.904

Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters

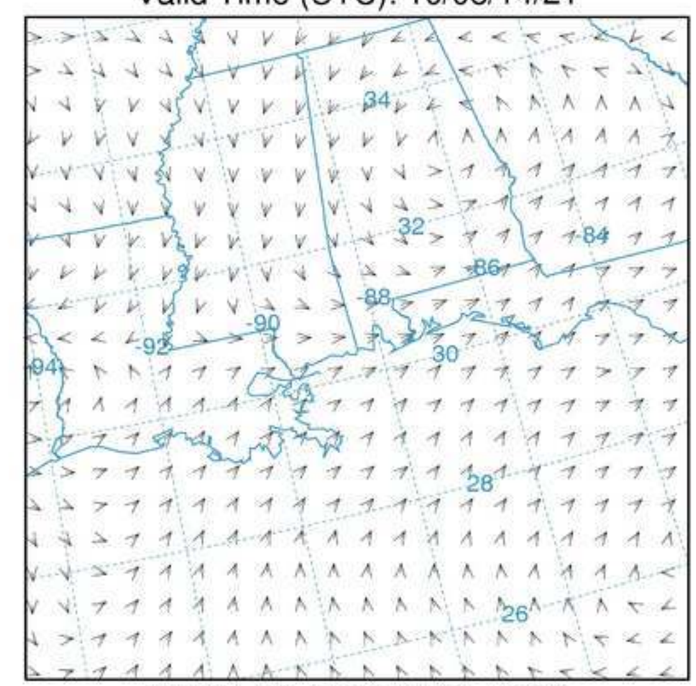
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/21



VECT (14) AT HEIGHT: 0.826

Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

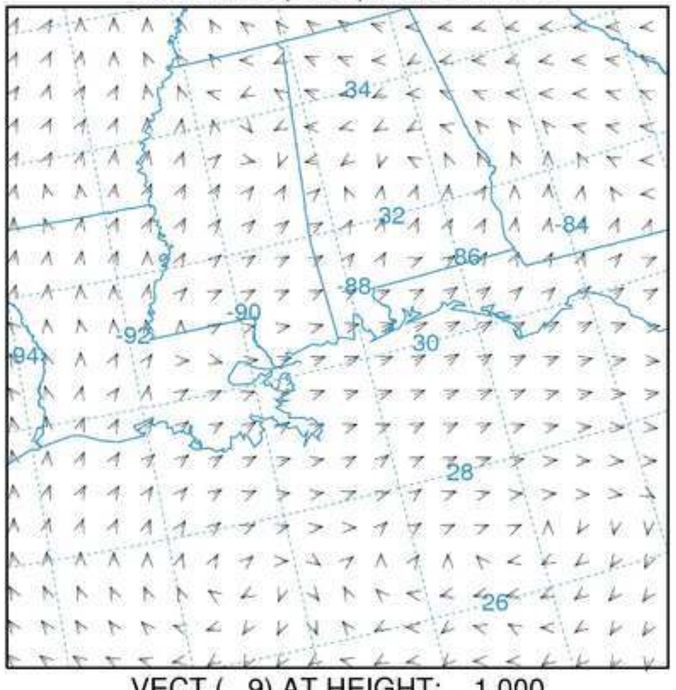
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/21



VECT (12) AT HEIGHT: 0.718

Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

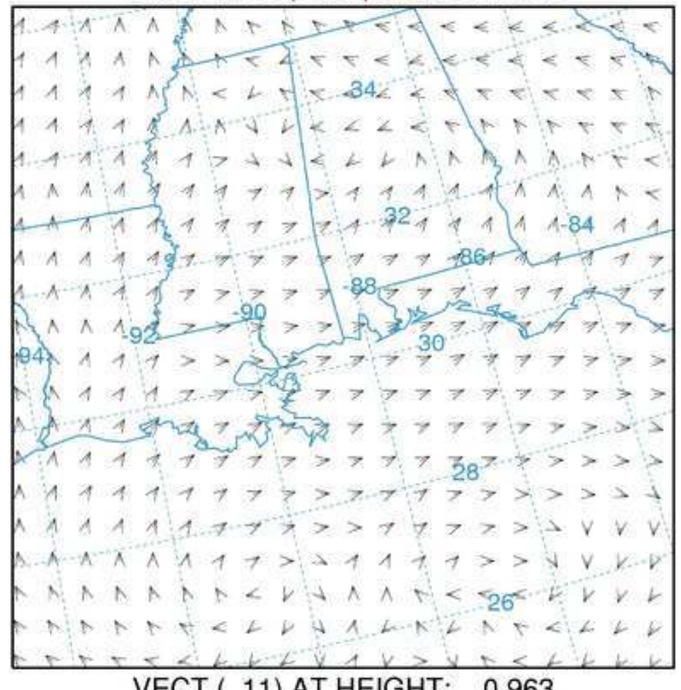
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/22



VECT (9) AT HEIGHT: 1.000

Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)

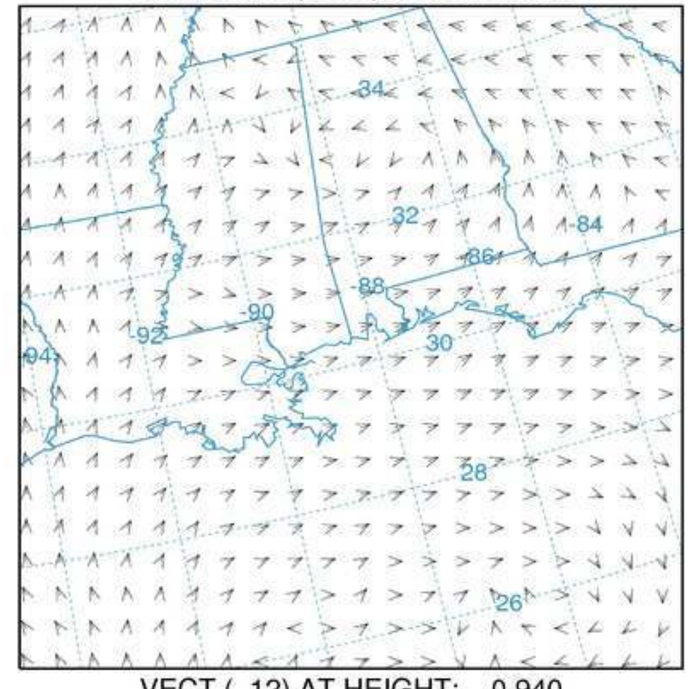
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/22



VECT (11) AT HEIGHT: 0.963

Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters

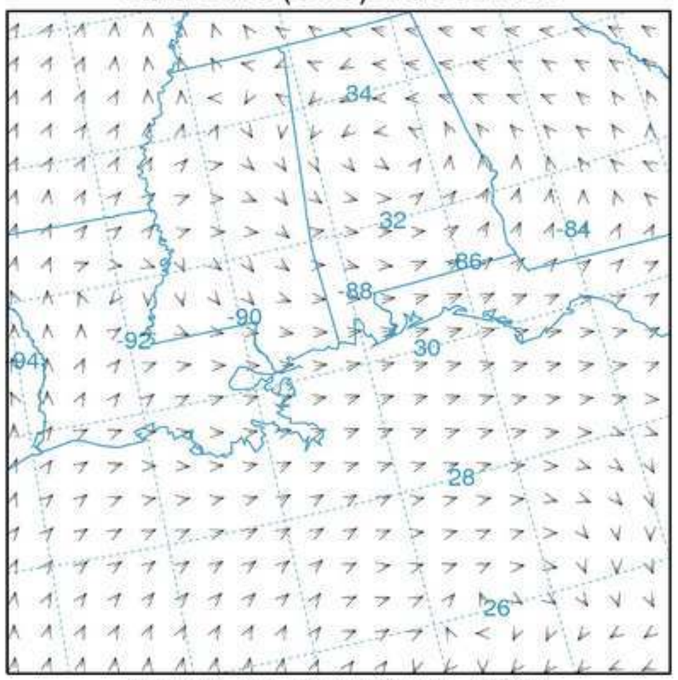
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/22



VECT (12) AT HEIGHT: 0.940

Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters

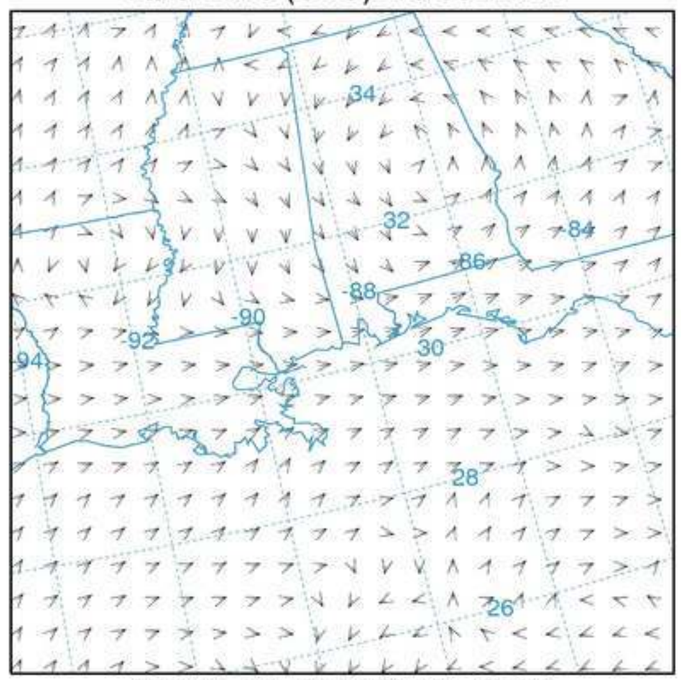
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/22



VECT (14) AT HEIGHT: 0.904

Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters

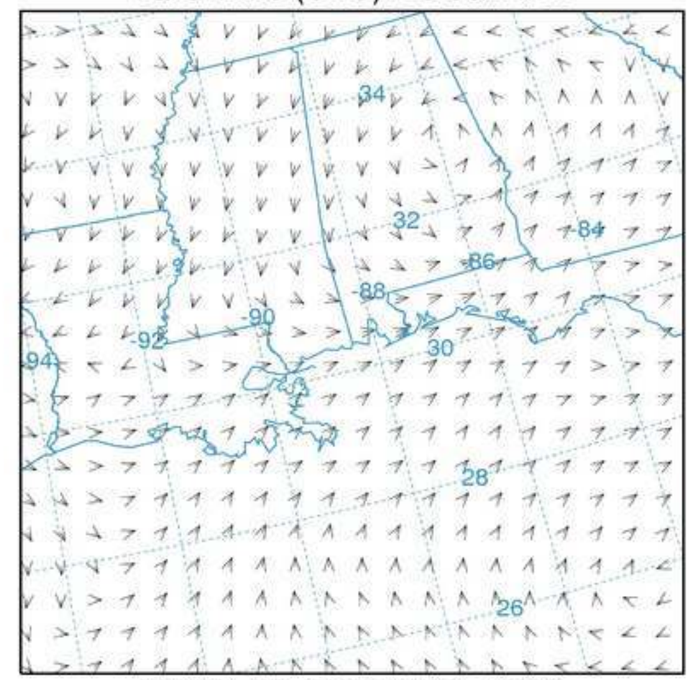
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/22



VECT (14) AT HEIGHT: 0.826

Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

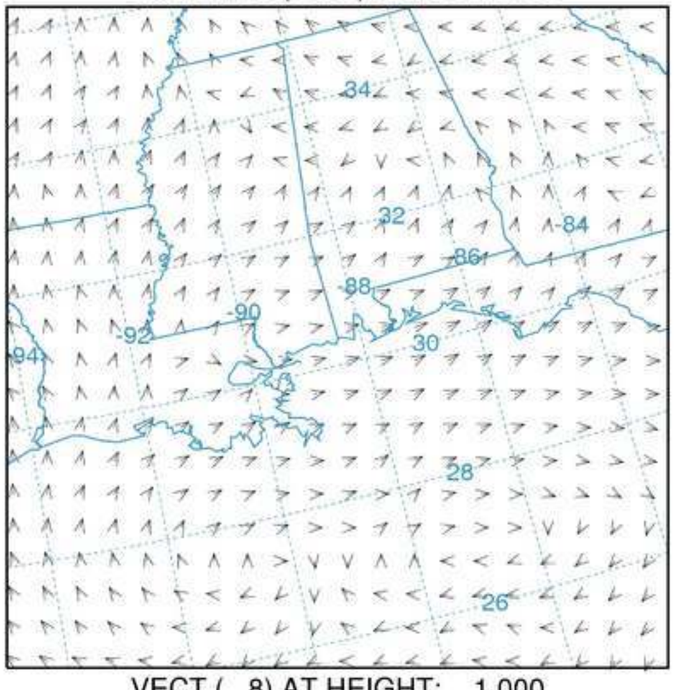
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/22



VECT (12) AT HEIGHT: 0.718

Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

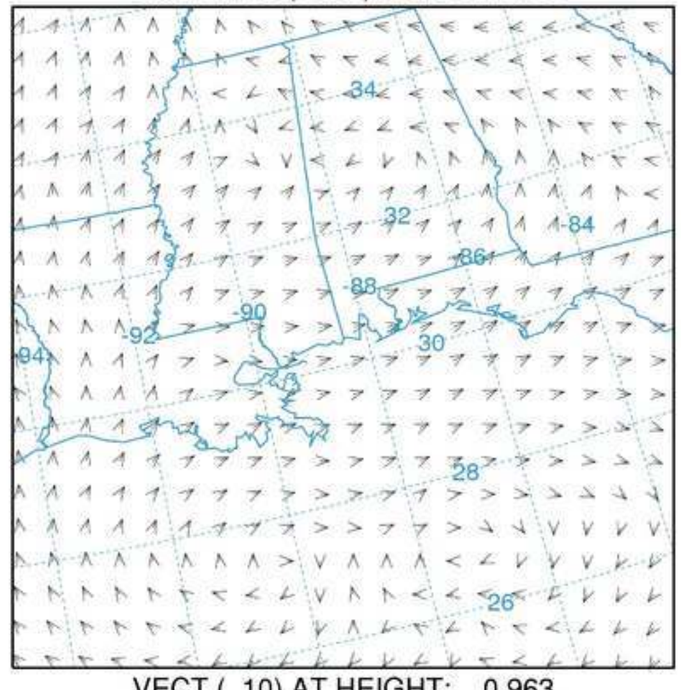
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/23



VECT (8) AT HEIGHT: 1.000

Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)

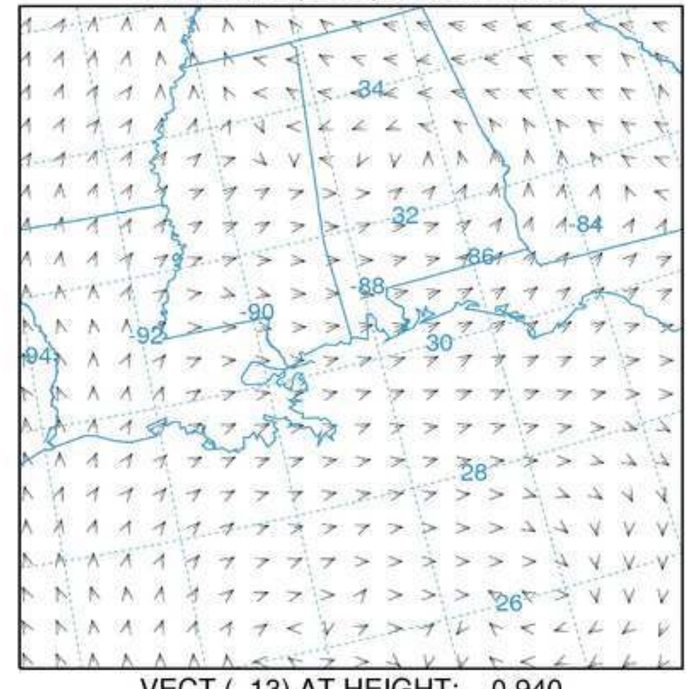
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/23



VECT (10) AT HEIGHT: 0.963

Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters

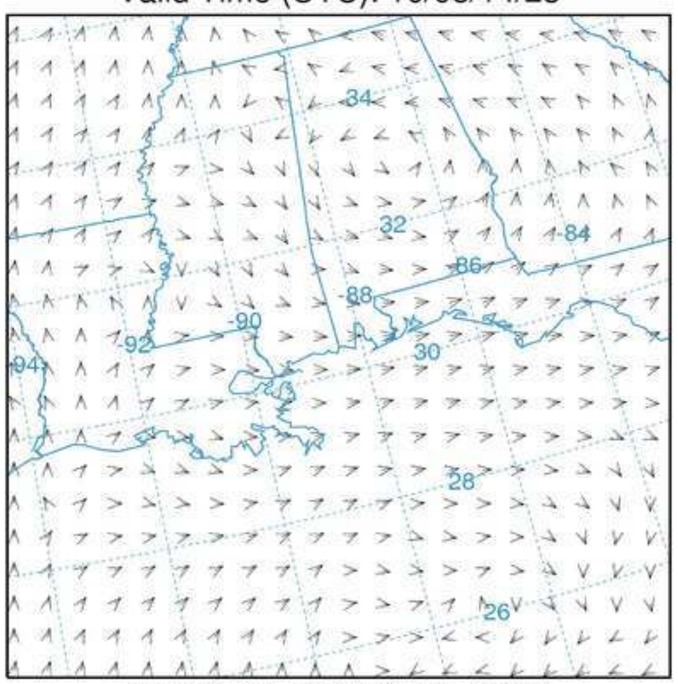
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/23



VECT (13) AT HEIGHT: 0.940

Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters

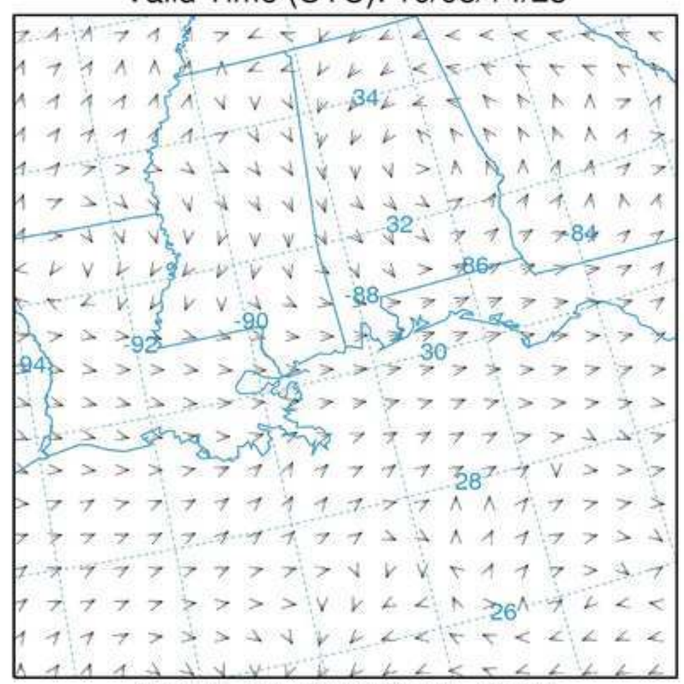
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/23



VECT (14) AT HEIGHT: 0.904

Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters

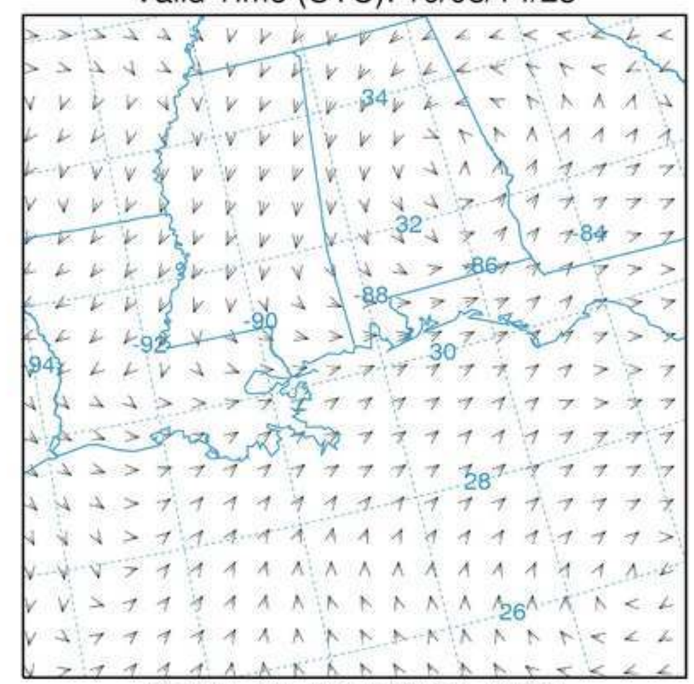
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/23



VECT (14) AT HEIGHT: 0.826

Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

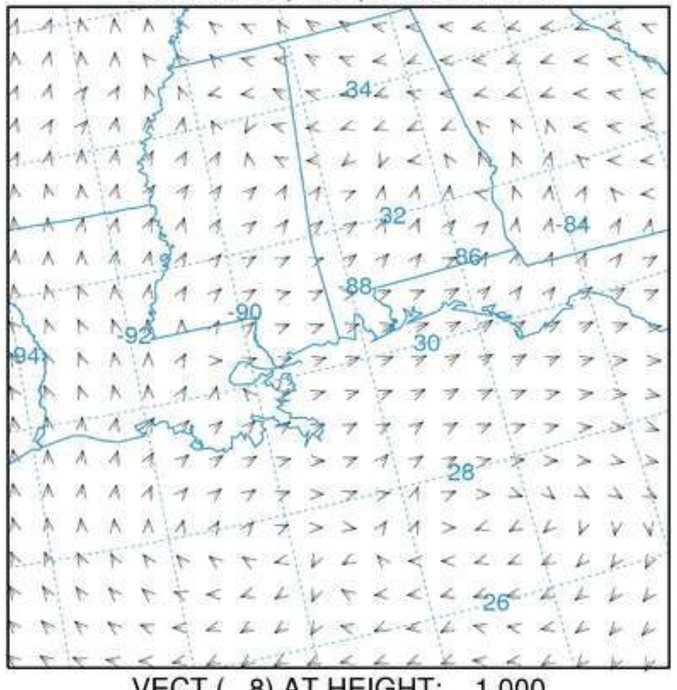
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/14/23



VECT (12) AT HEIGHT: 0.718

Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

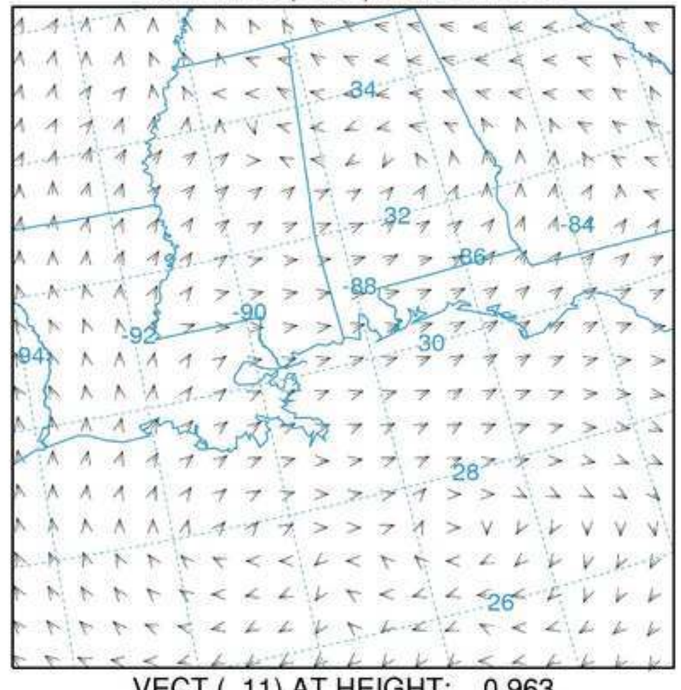
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/15/00



VECT (8) AT HEIGHT: 1.000

Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)

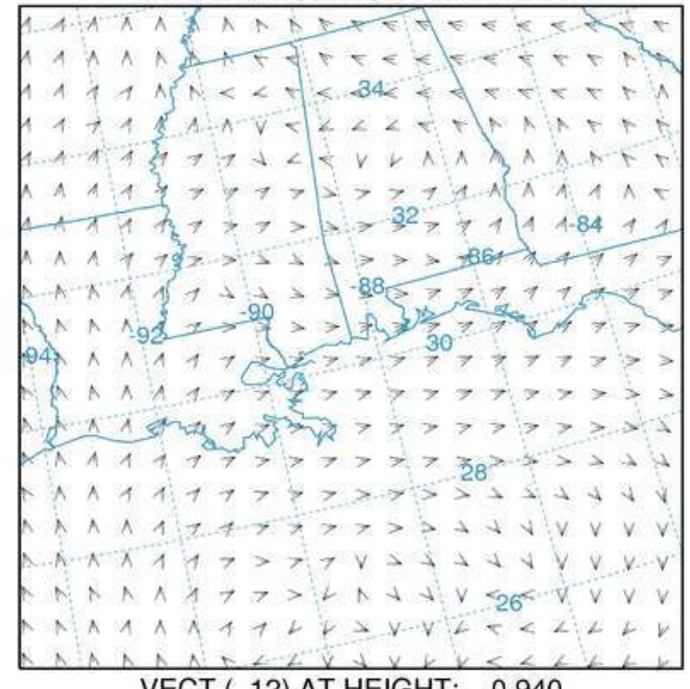
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/15/00



VECT (11) AT HEIGHT: 0.963

Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters

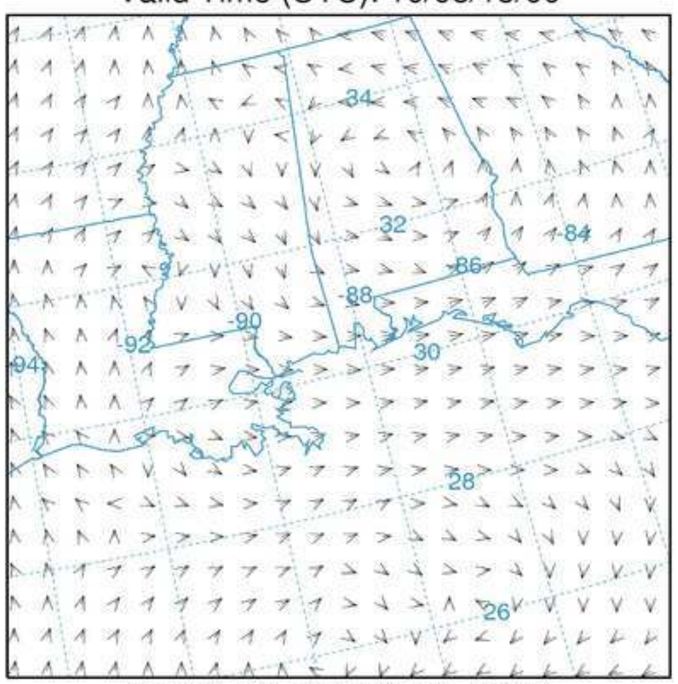
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/15/00



VECT (12) AT HEIGHT: 0.940

Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters

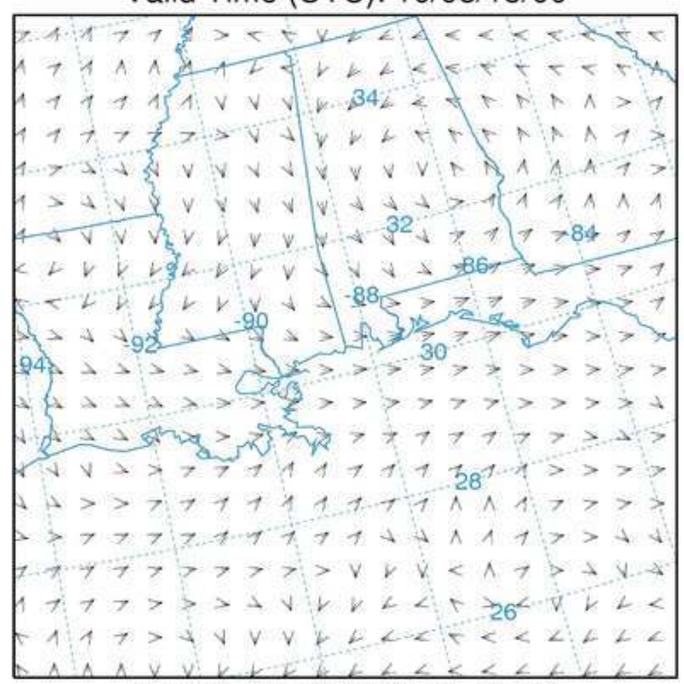
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/15/00



VECT (12) AT HEIGHT: 0.904

Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters

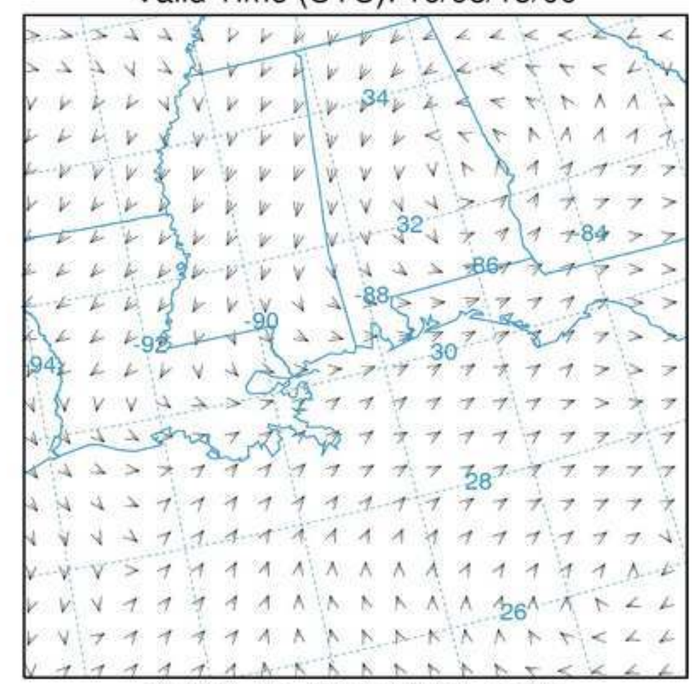
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/15/00



VECT (13) AT HEIGHT: 0.826

Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

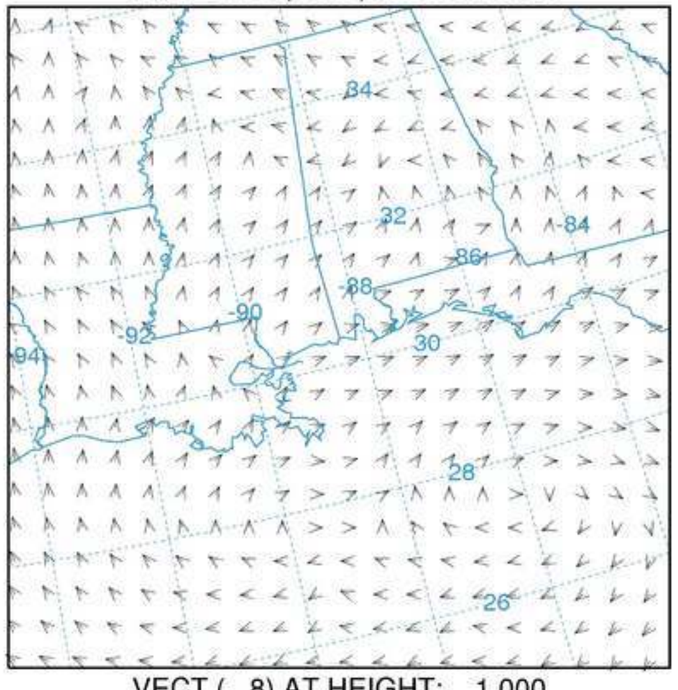
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/15/00



VECT (12) AT HEIGHT: 0.718

Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

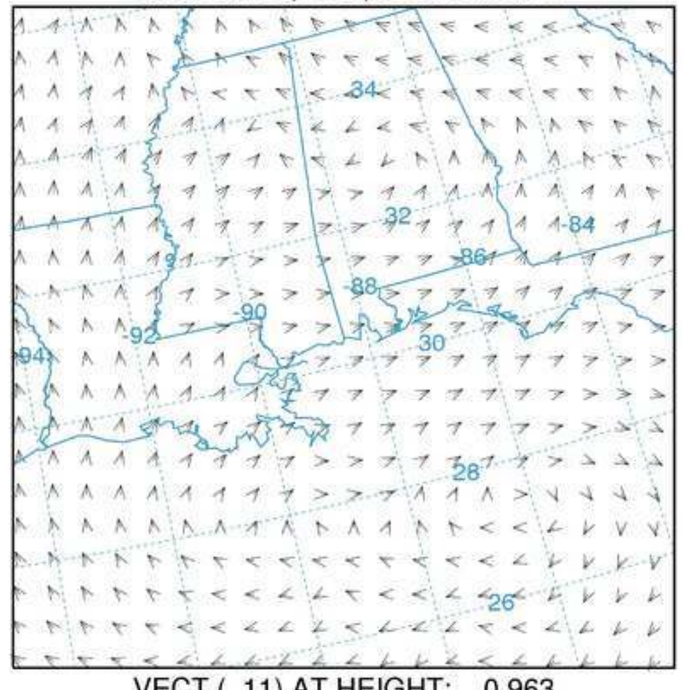
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/15/01



VECT (8) AT HEIGHT: 1.000

Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)

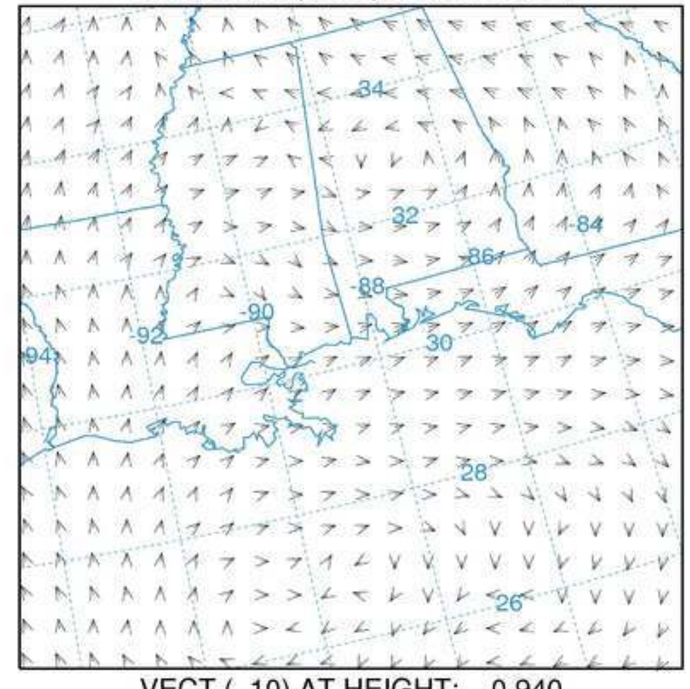
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/15/01



VECT (11) AT HEIGHT: 0.963

Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters

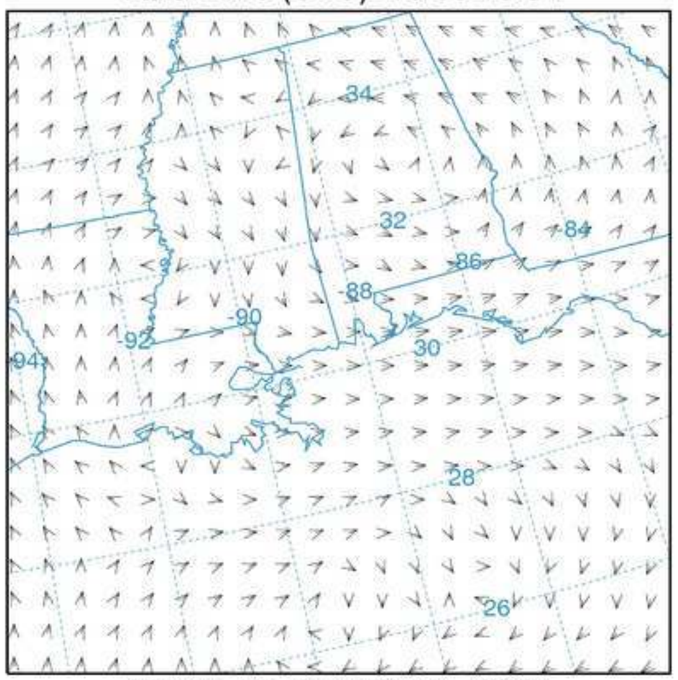
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/15/01



VECT (10) AT HEIGHT: 0.940

Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters

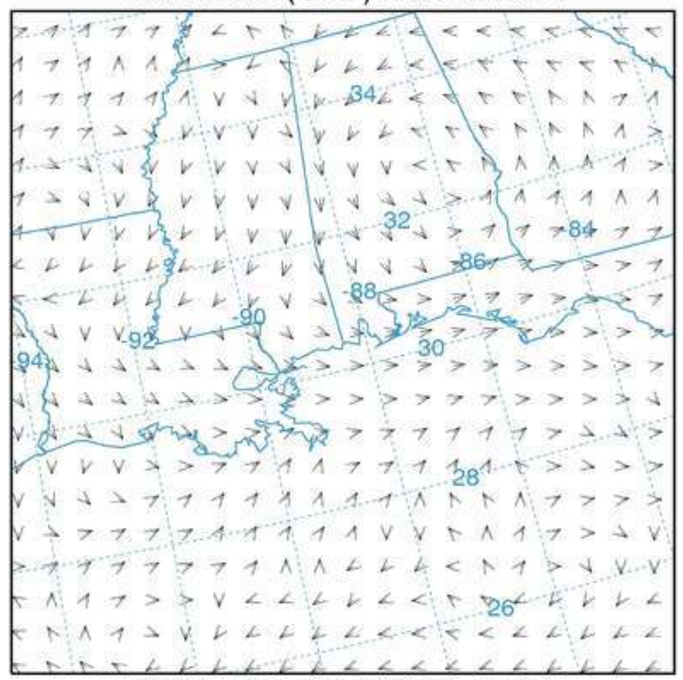
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/15/01



VECT (11) AT HEIGHT: 0.904

Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters

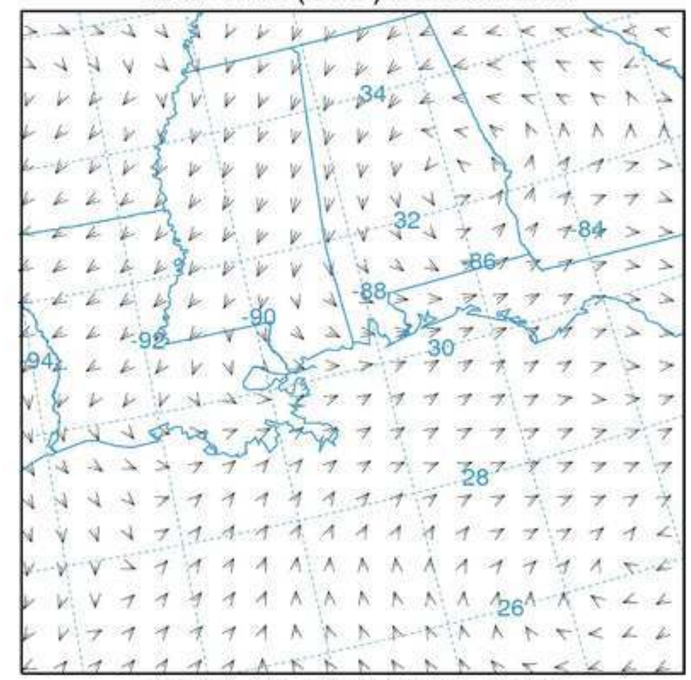
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/15/01



VECT (13) AT HEIGHT: 0.826

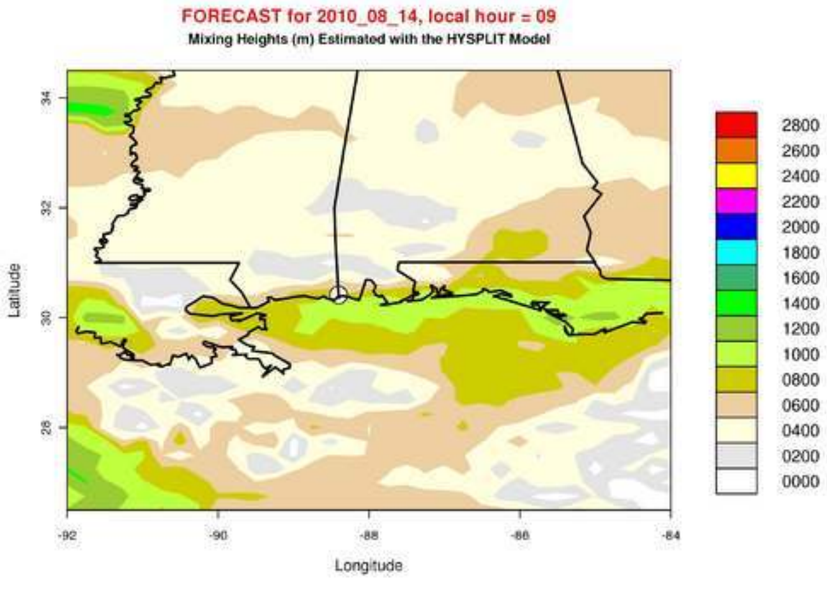
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

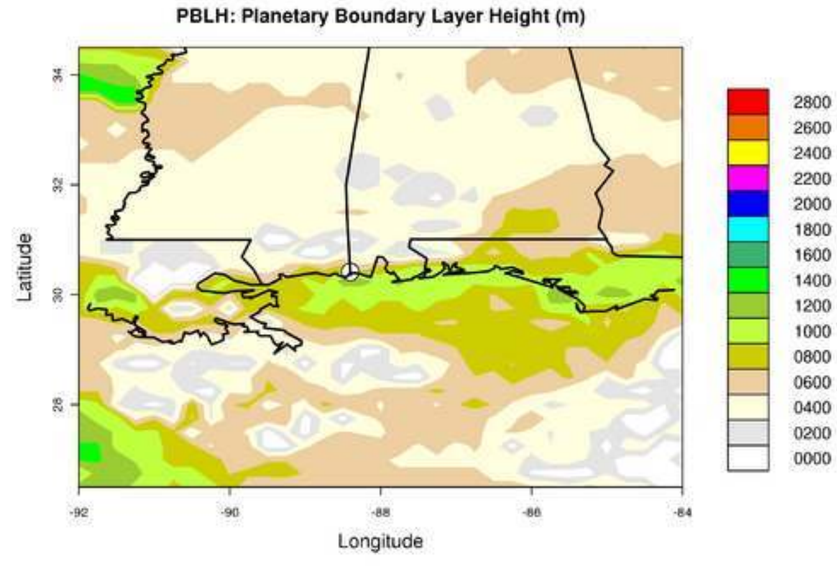
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/15/01

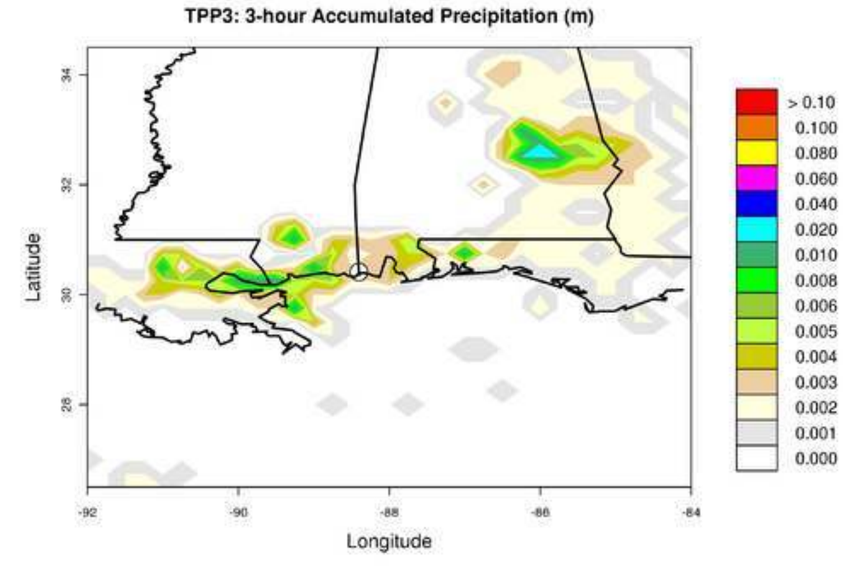


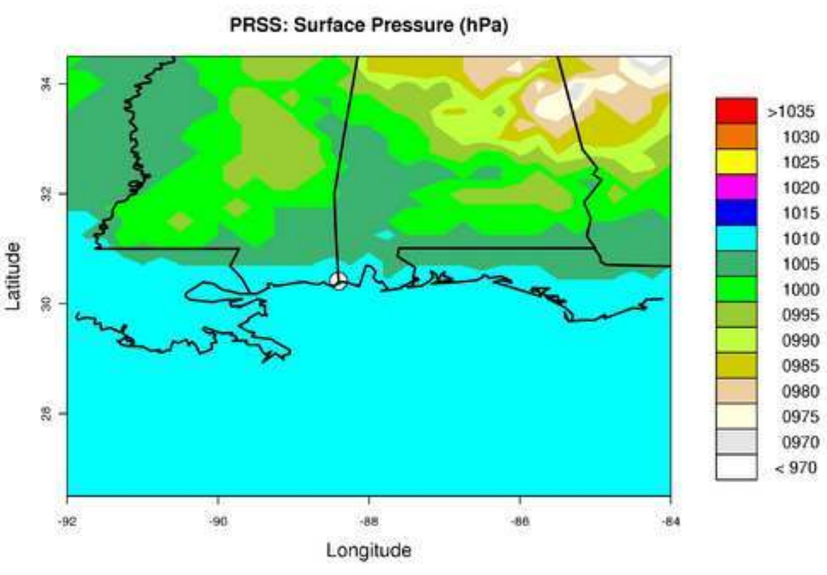
VECT (10) AT HEIGHT: 0.718

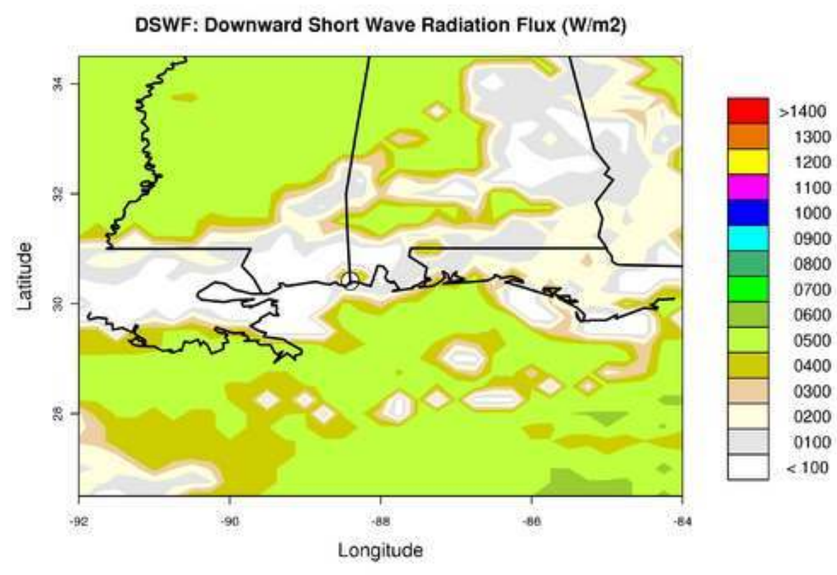
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

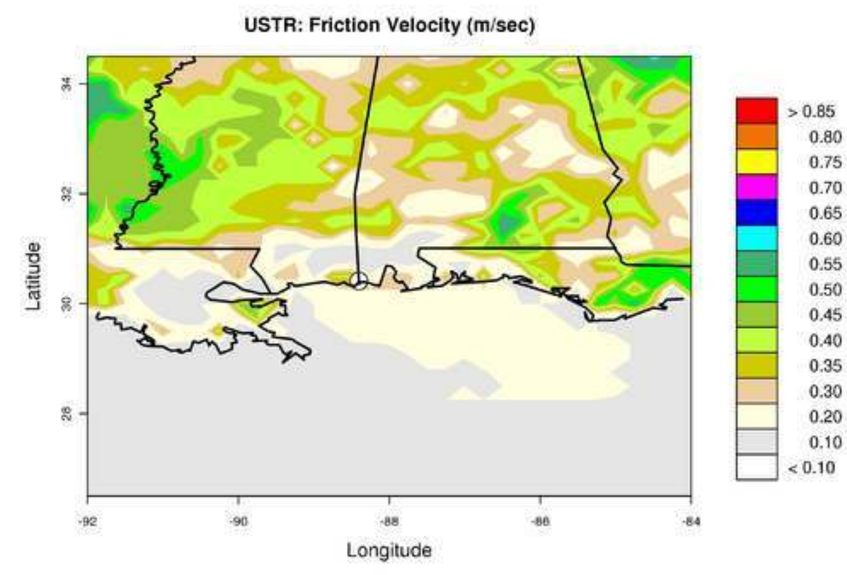

FORECAST for 2010_08_14, local hour = 09
Mixing Heights (m) Estimated with the HYSPLIT Model
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000
Latitude
Longitude

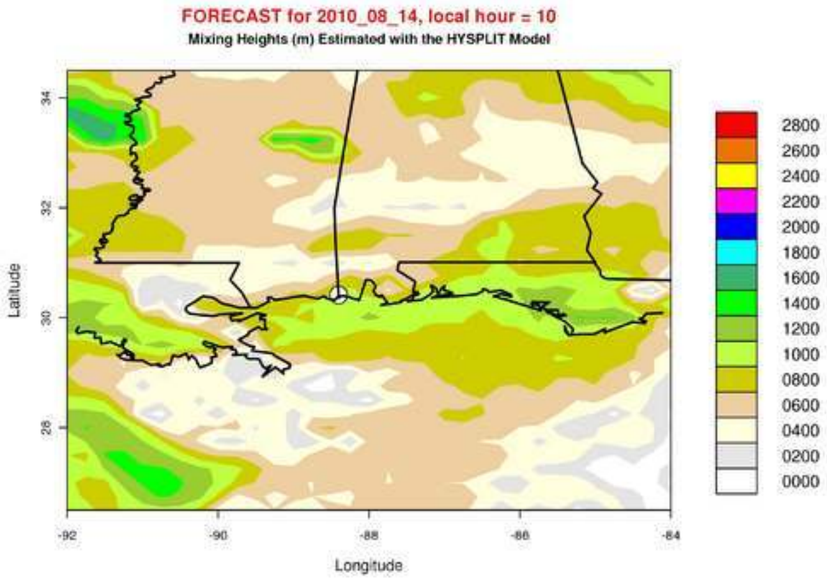

PBLH: Planetary Boundary Layer Height (m)
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000
Latitude
Longitude

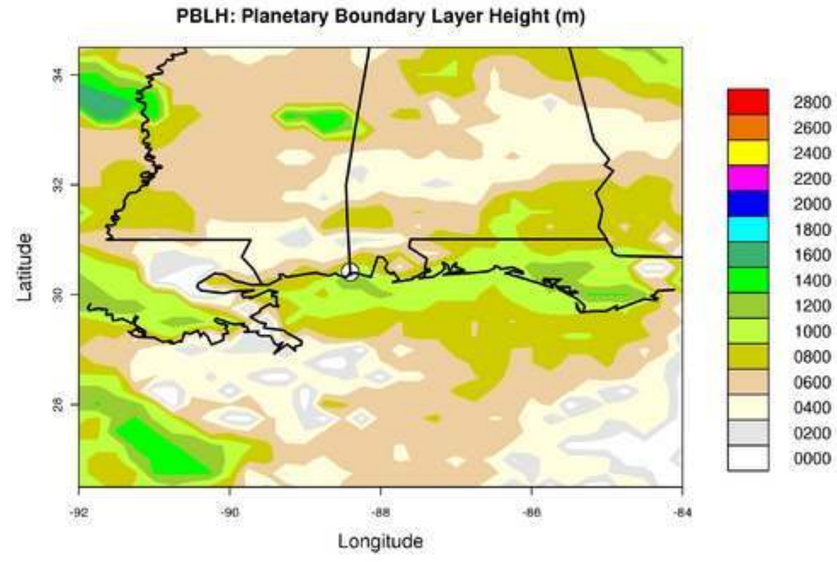

TPP3: 3-hour Accumulated Precipitation (m)
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000
Latitude
Longitude

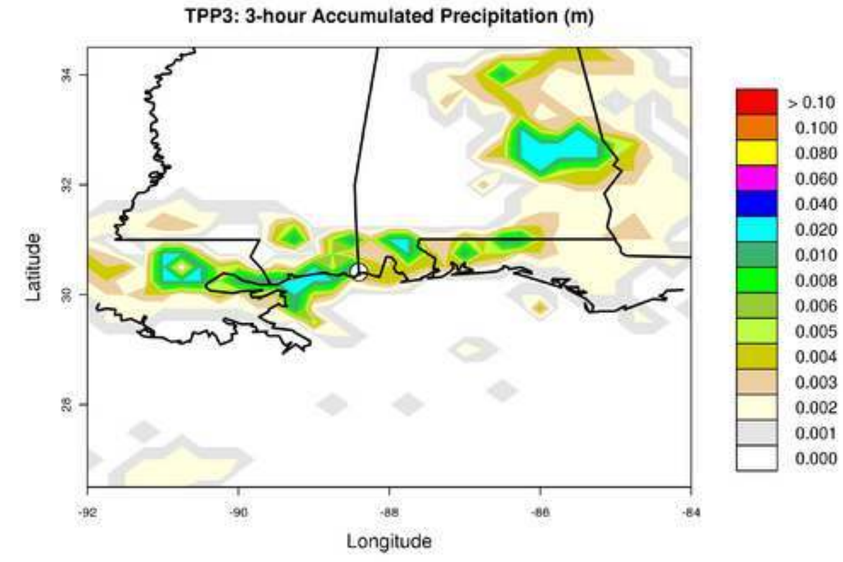

PRSS: Surface Pressure (hPa)
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970
Latitude
Longitude

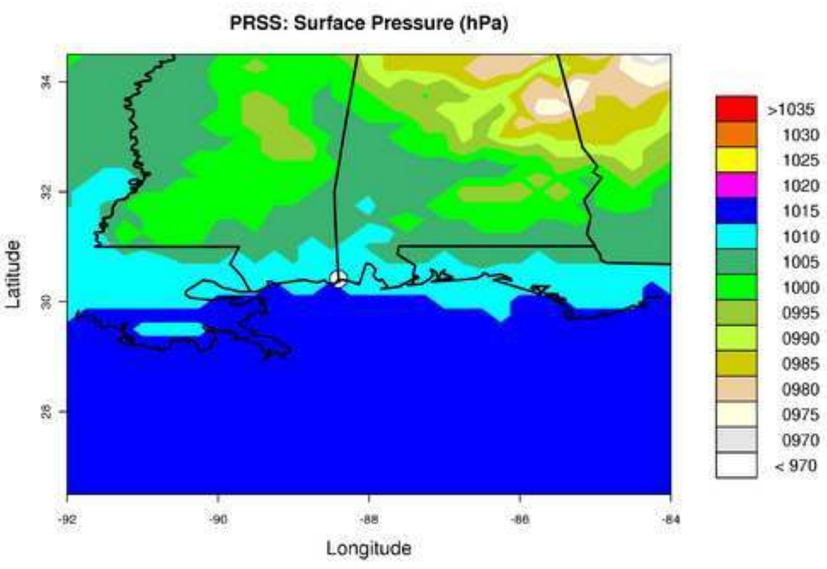

DSWF: Downward Short Wave Radiation Flux (W/m2)
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100
Latitude
Longitude

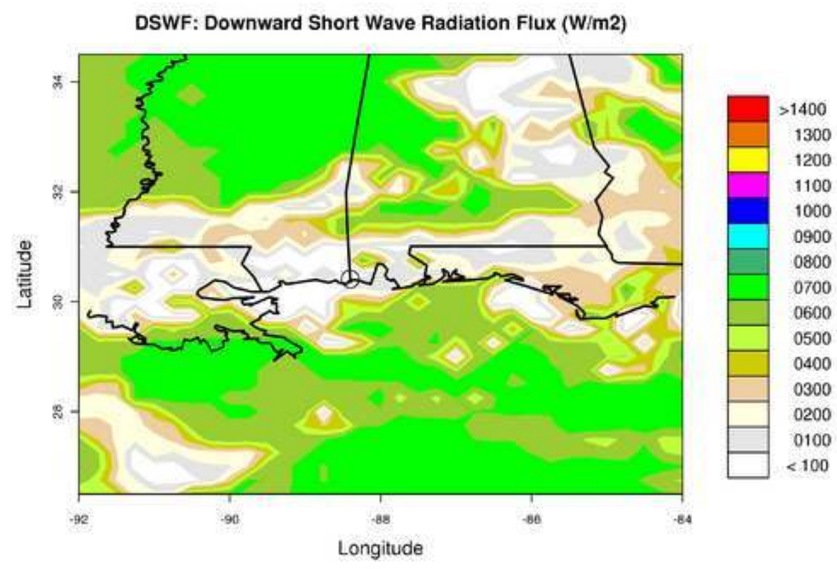

USTR: Friction Velocity (m/sec)
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10
Latitude
Longitude

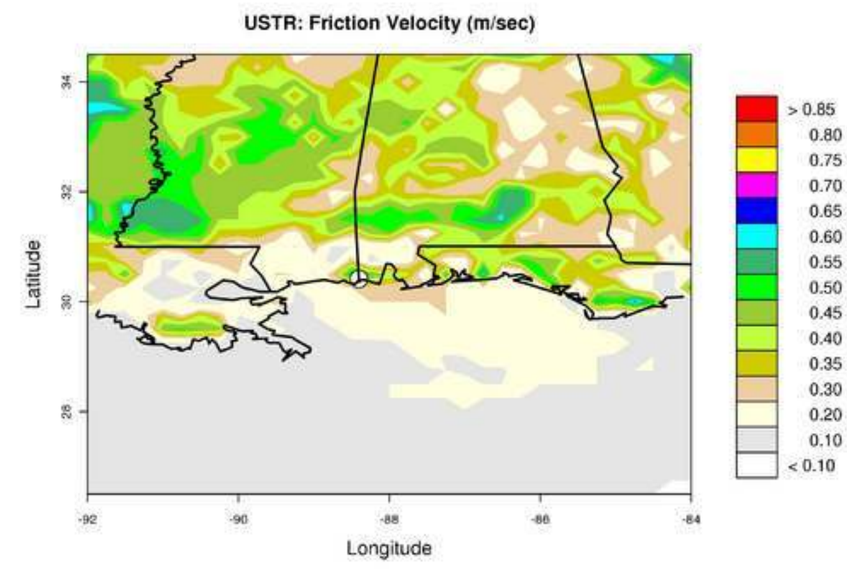

FORECAST for 2010_08_14, local hour = 10
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

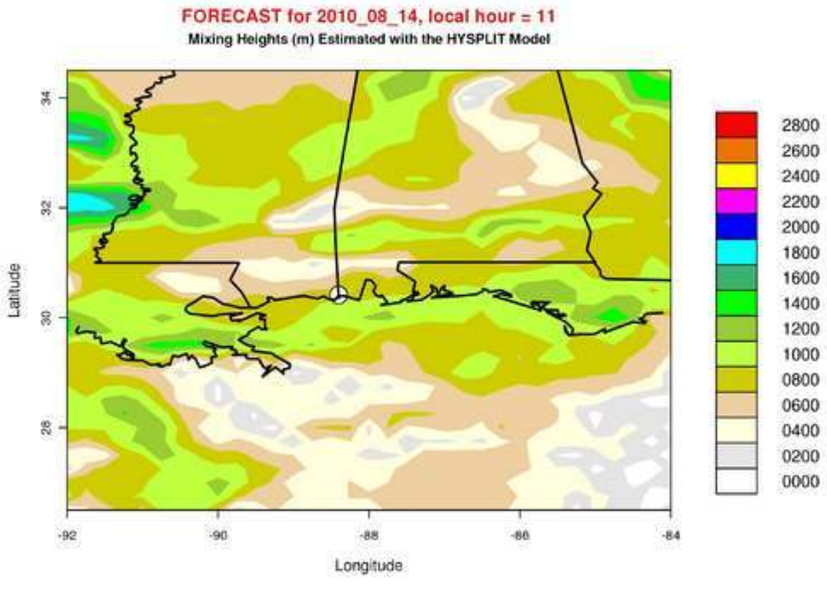

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

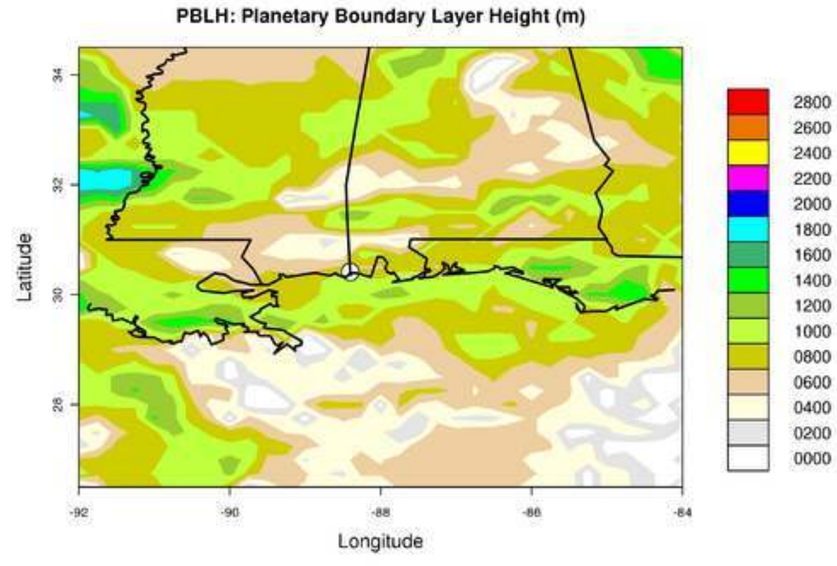

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

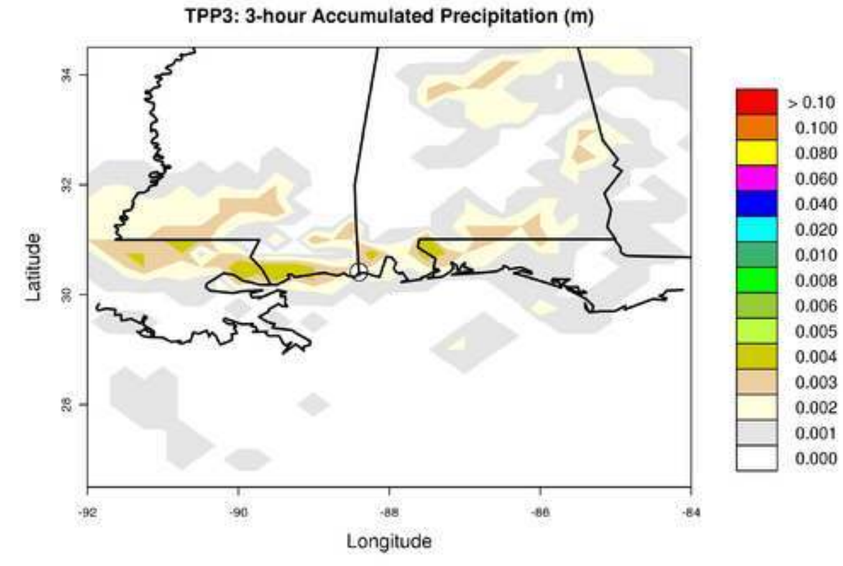

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

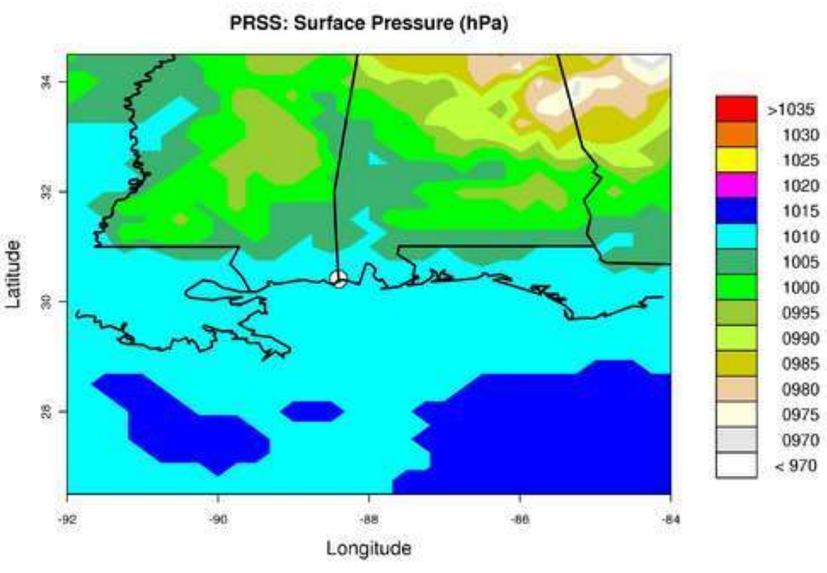

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

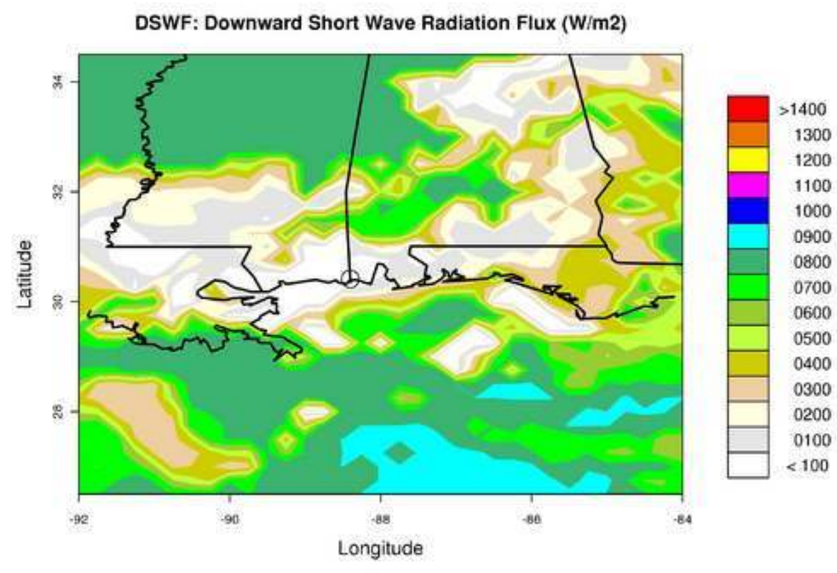

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

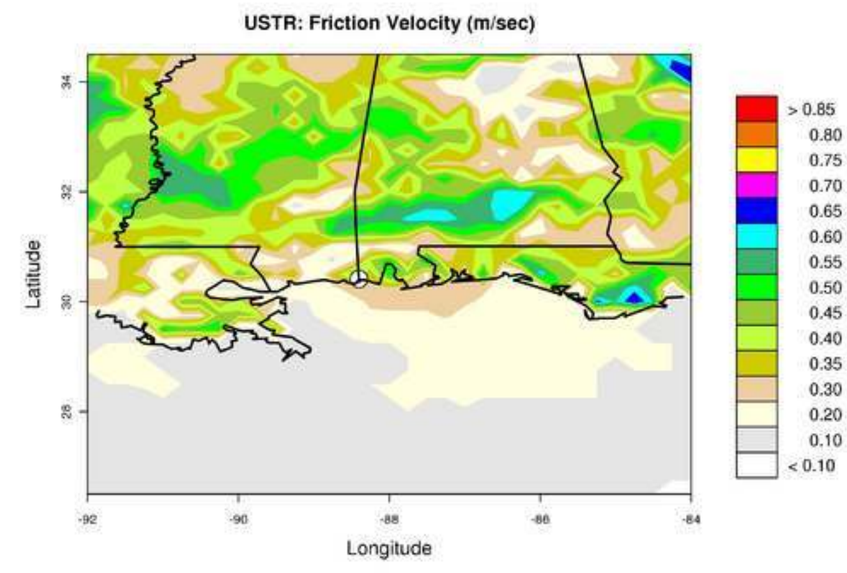

FORECAST for 2010_08_14, local hour = 11
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

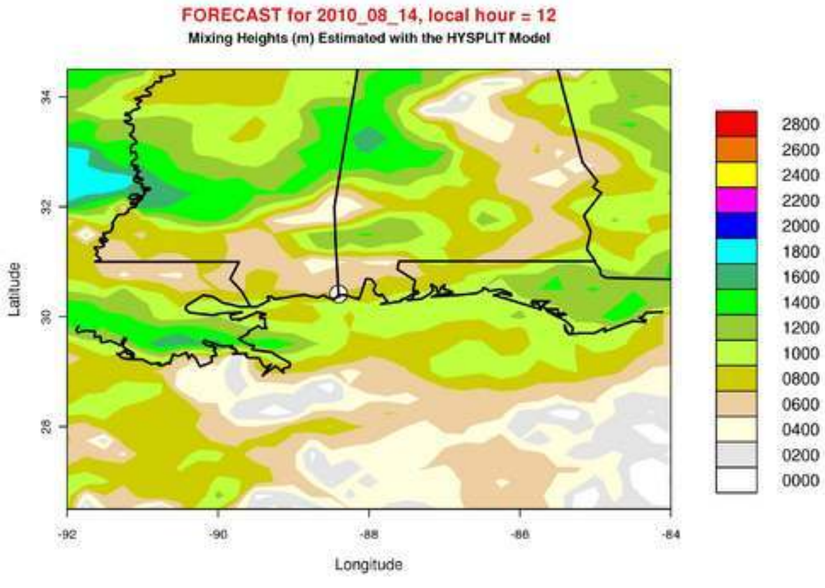

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

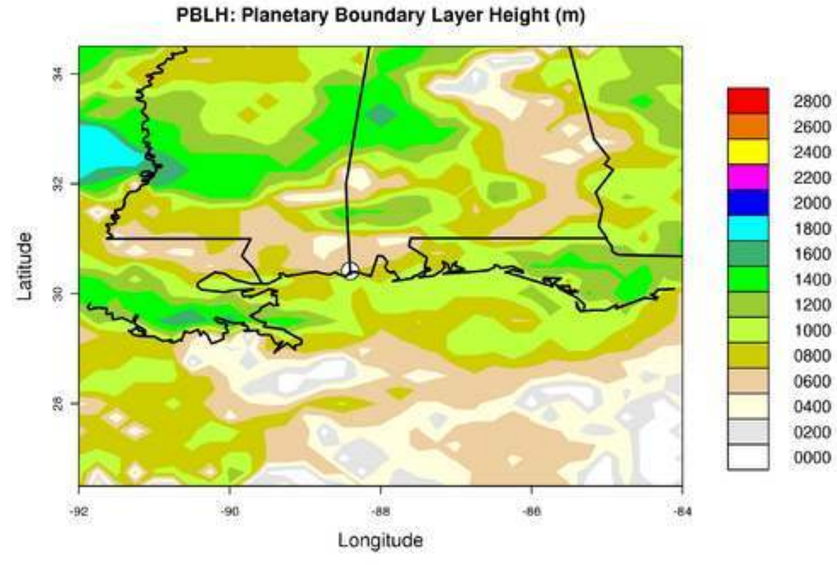

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

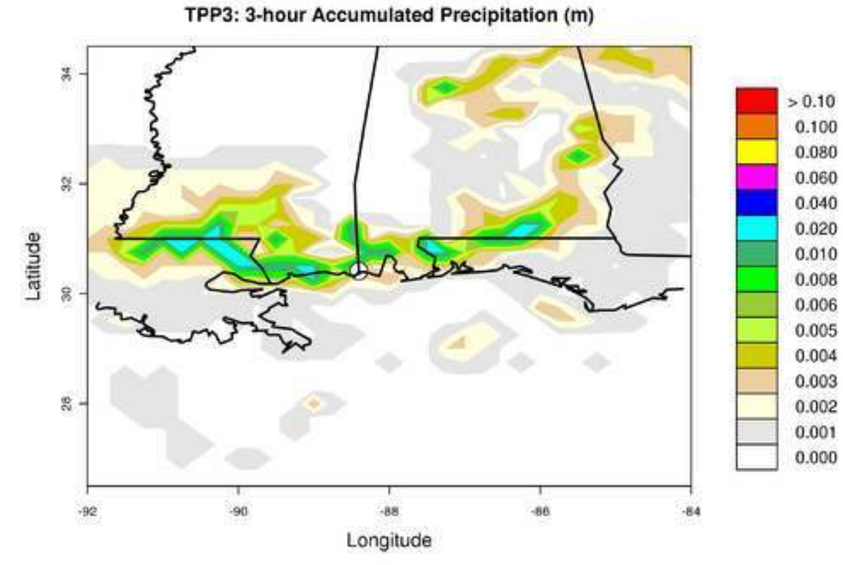

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

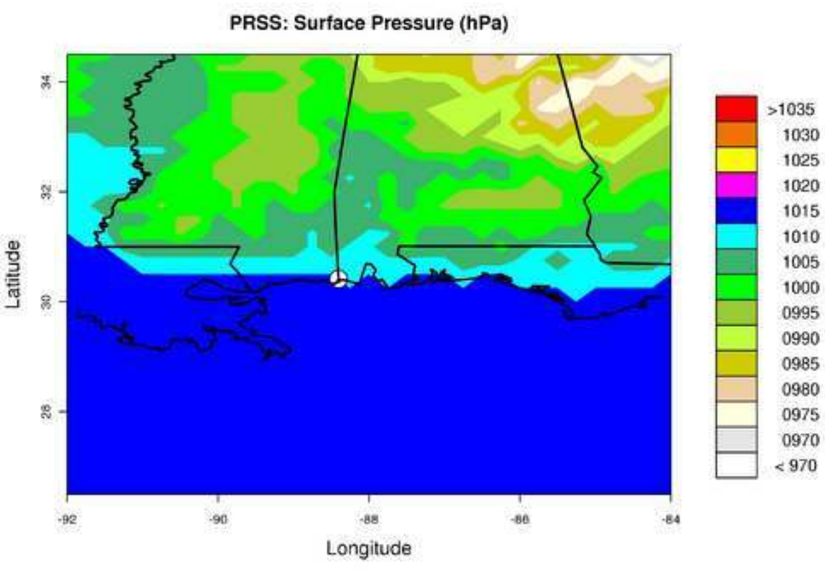

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

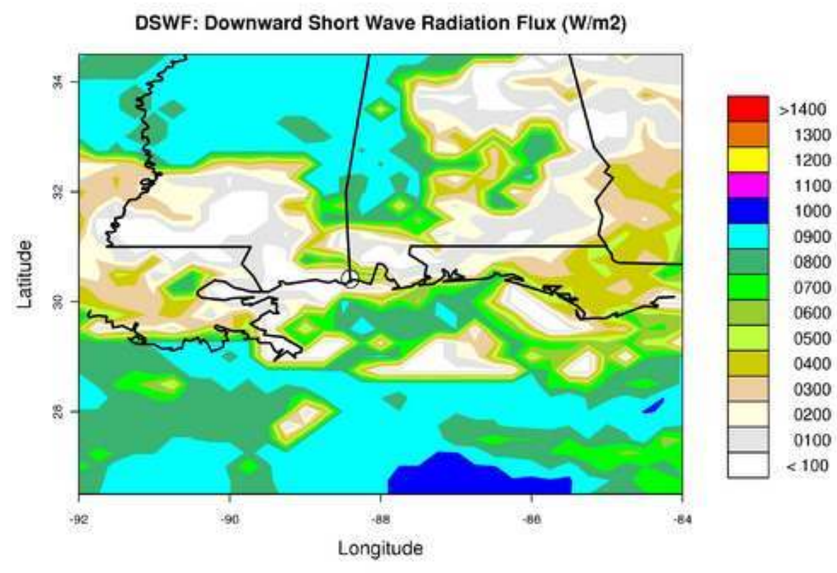

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

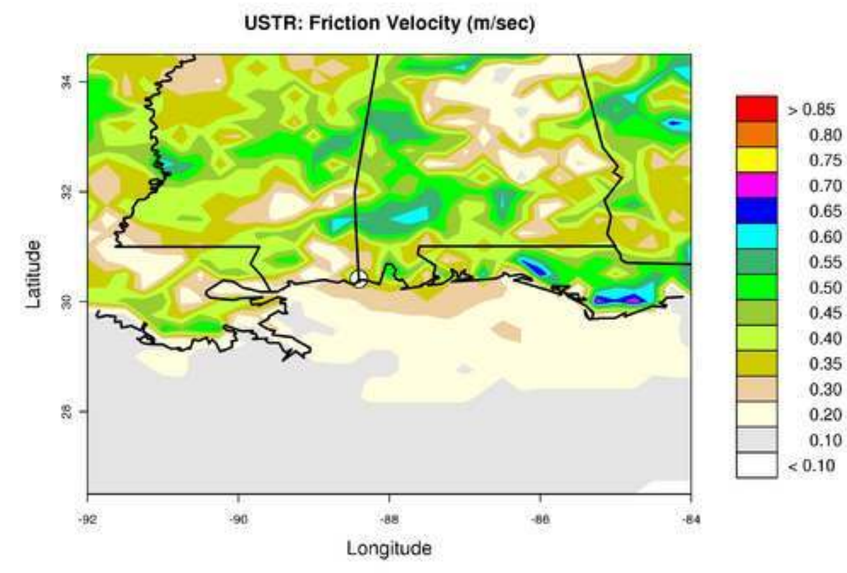

FORECAST for 2010_08_14, local hour = 12
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

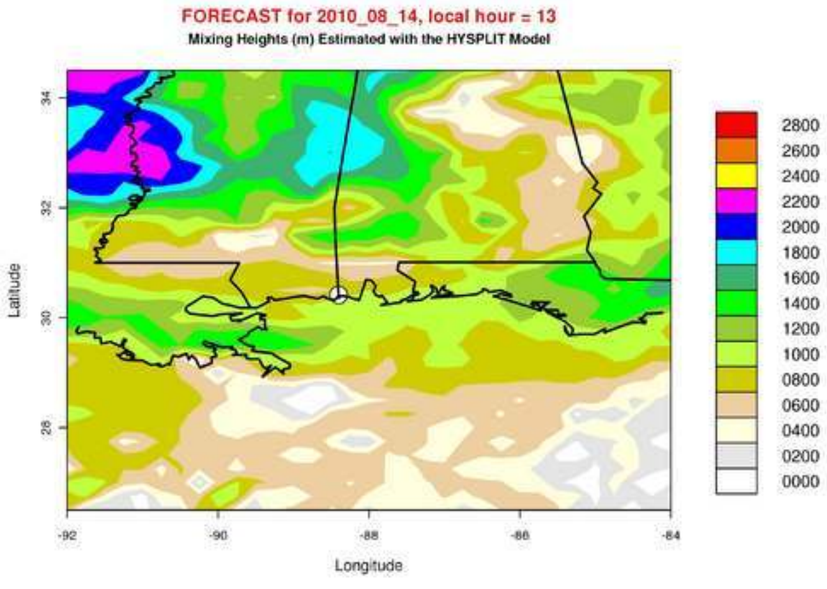

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

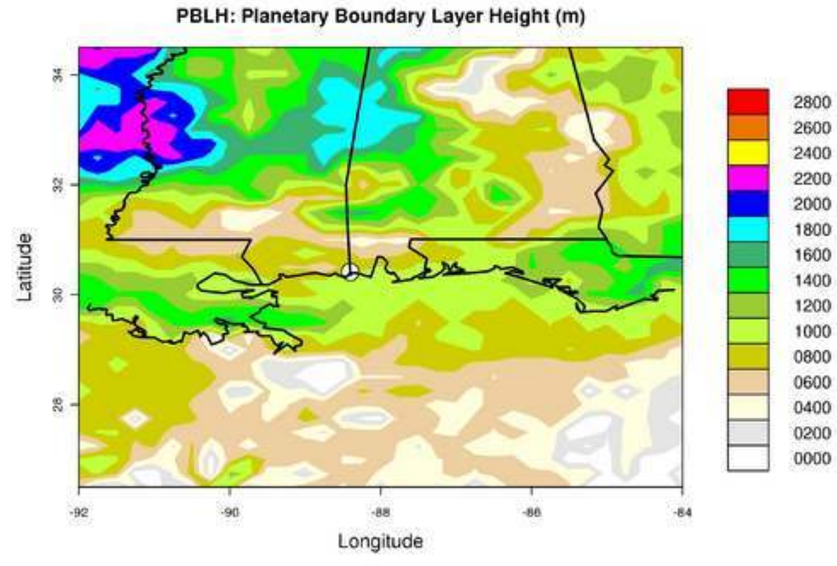

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

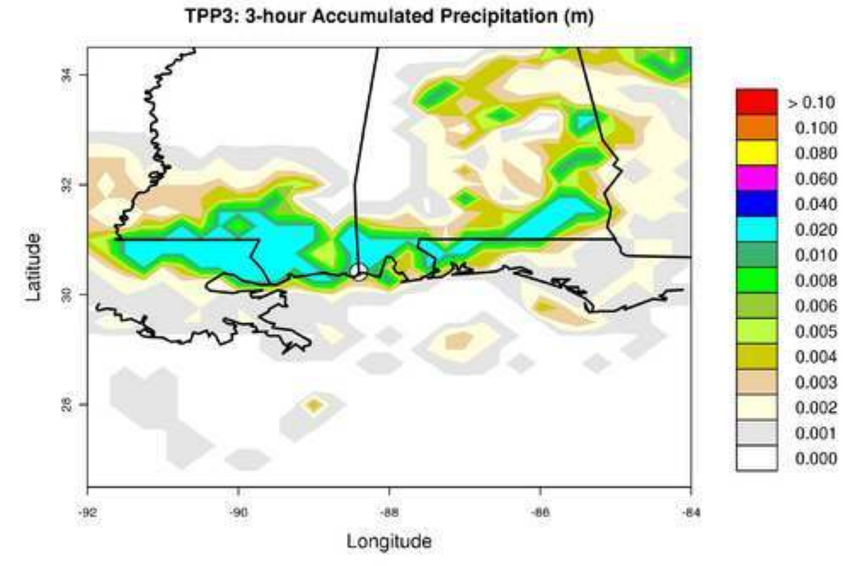

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

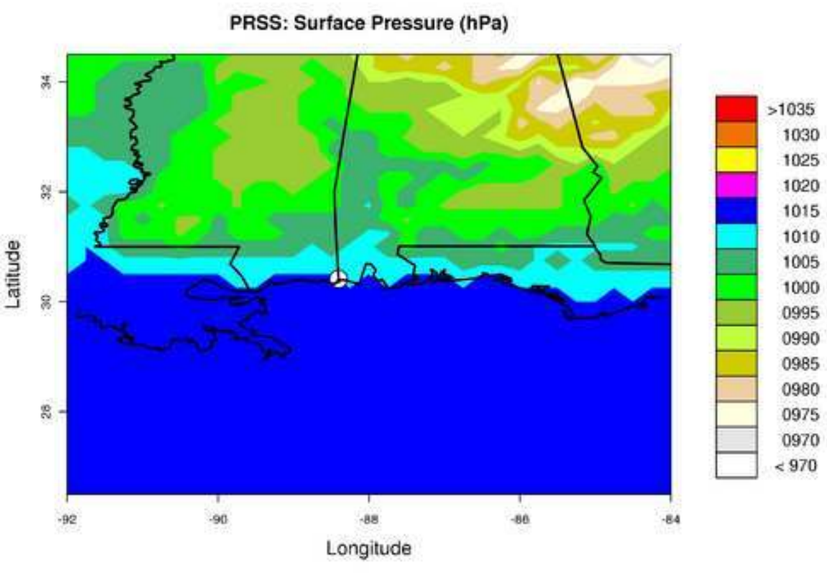

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

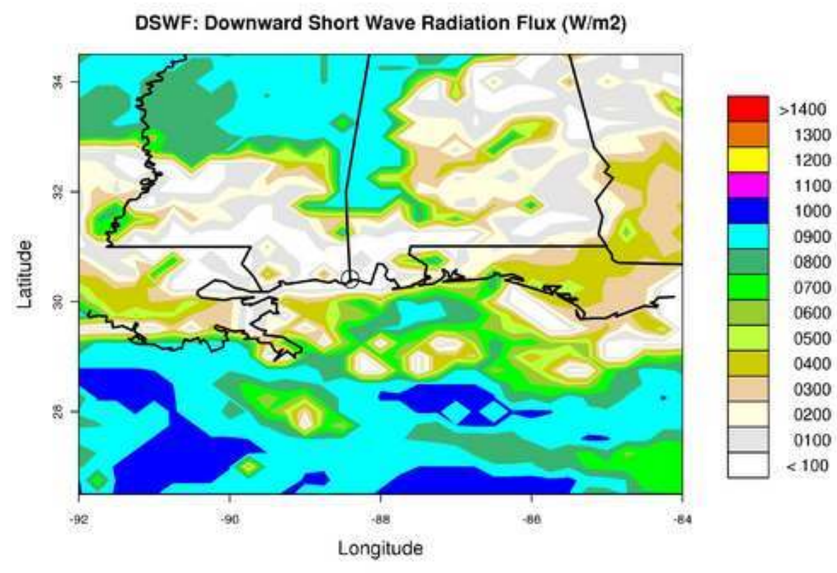

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

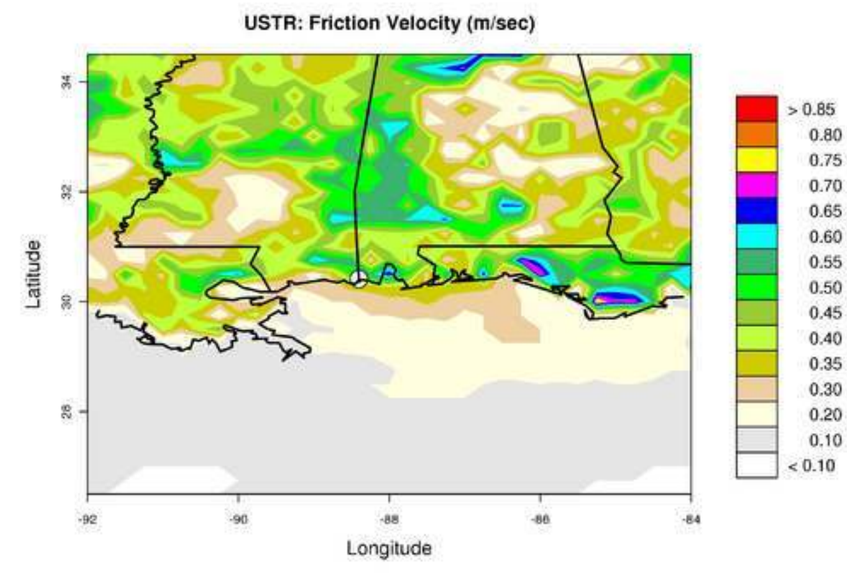

FORECAST for 2010_08_14, local hour = 13
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

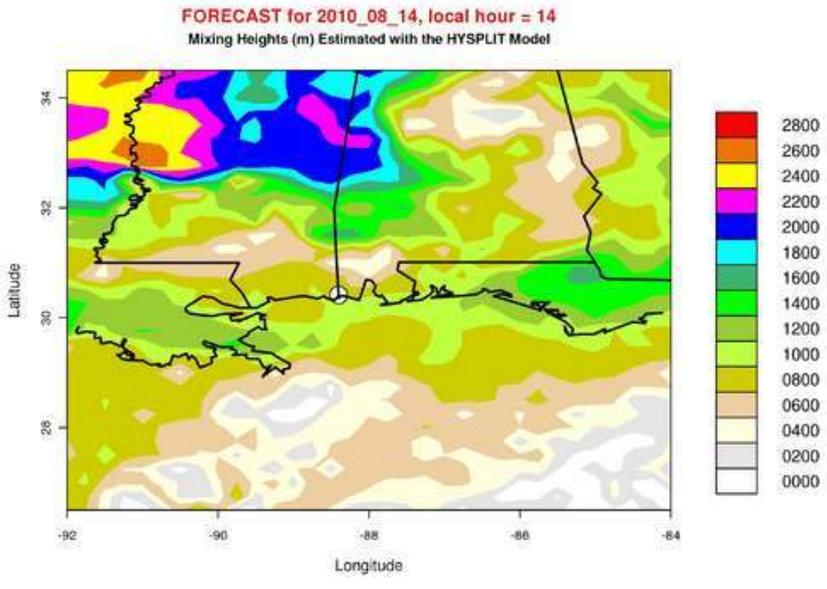

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

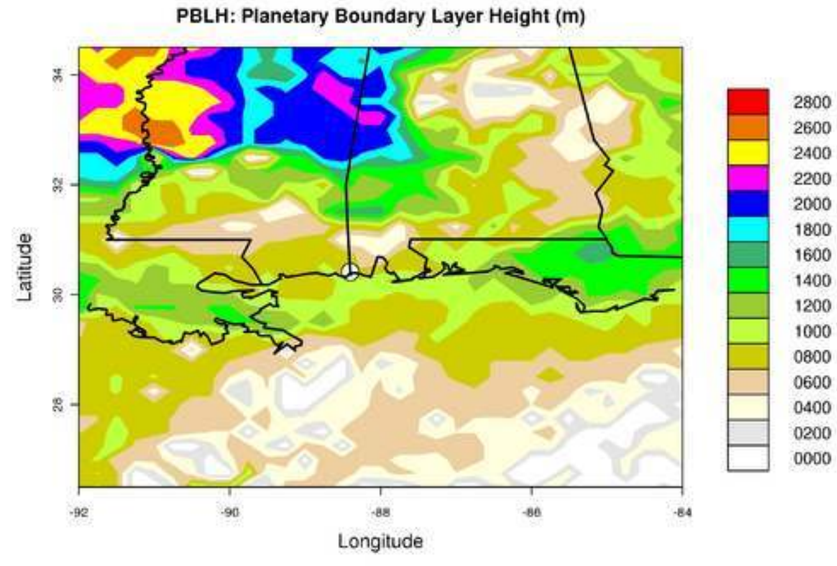

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

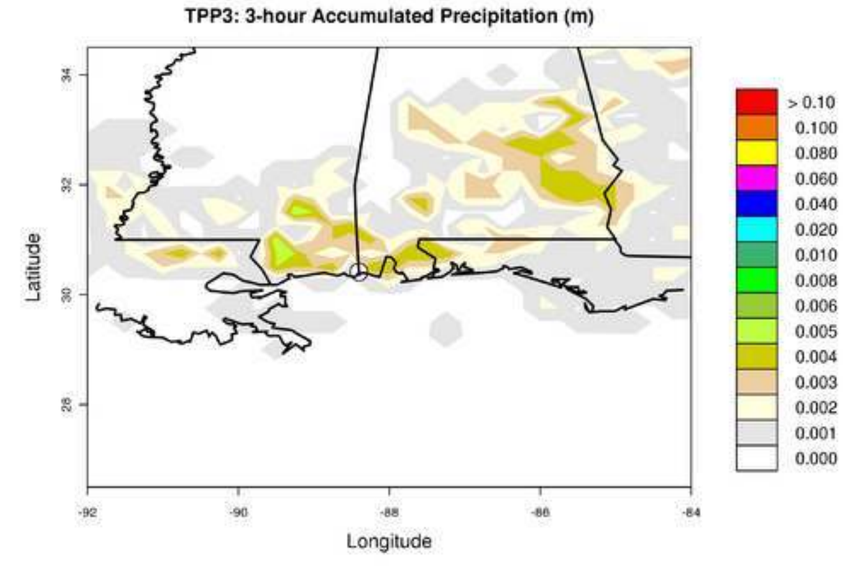

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

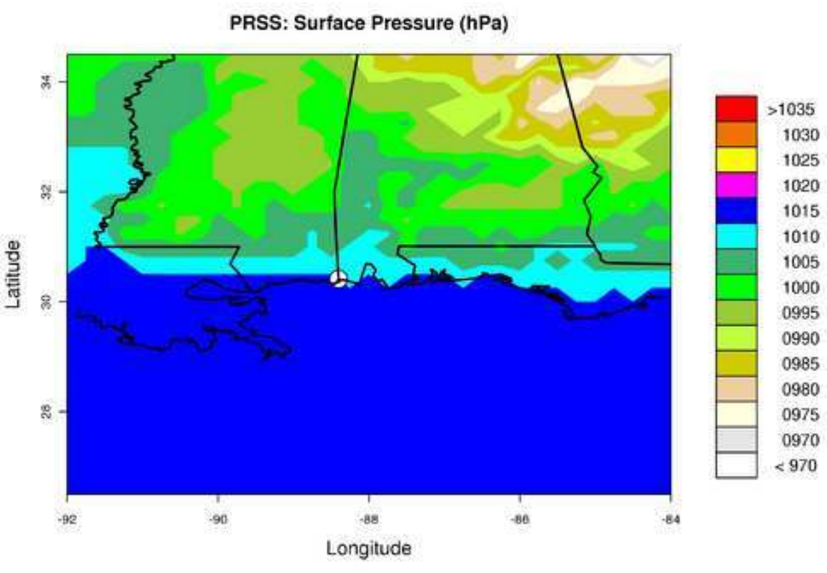

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

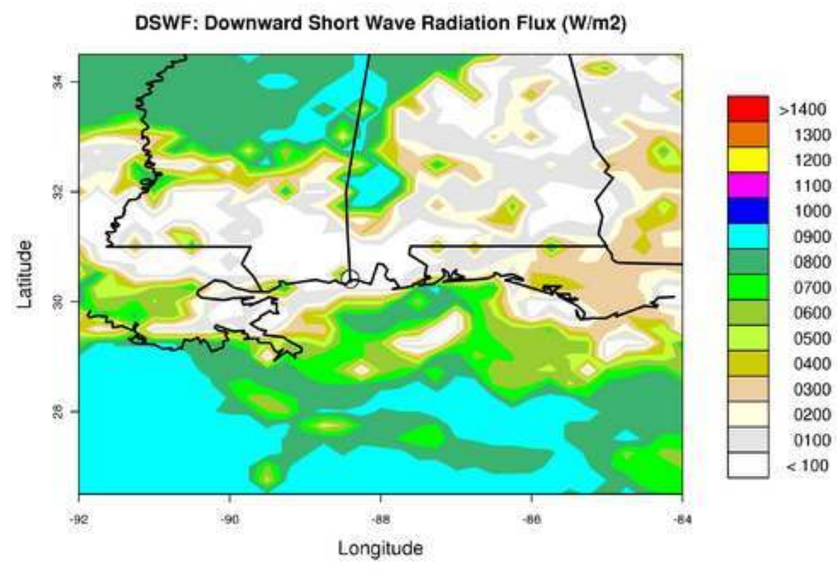

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

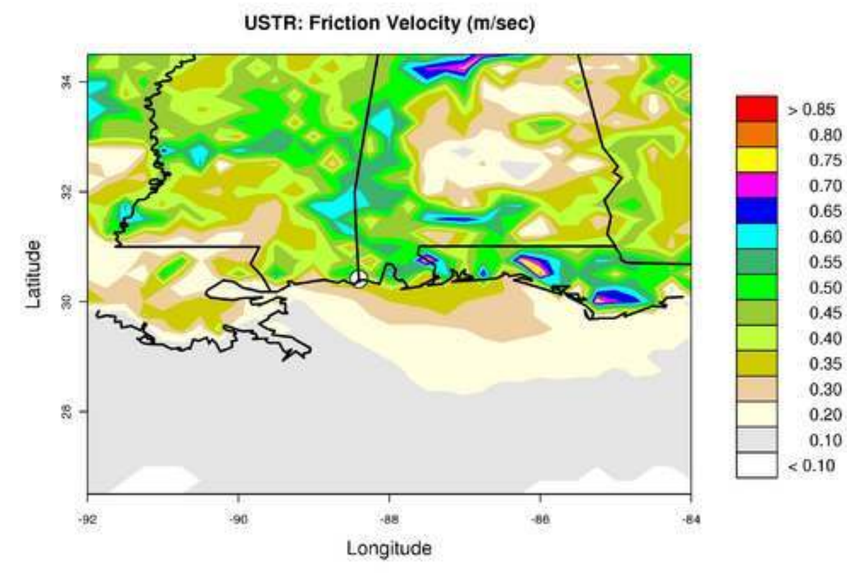

FORECAST for 2010_08_14, local hour = 14
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

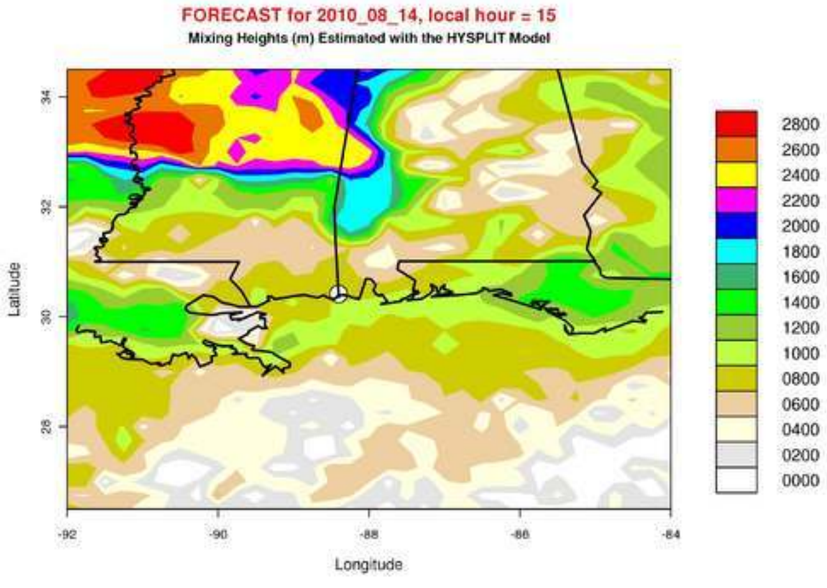

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

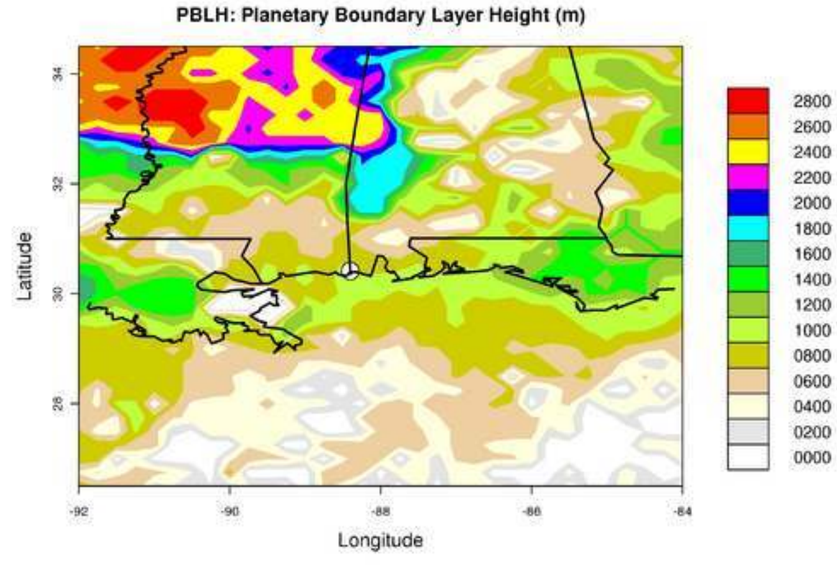

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

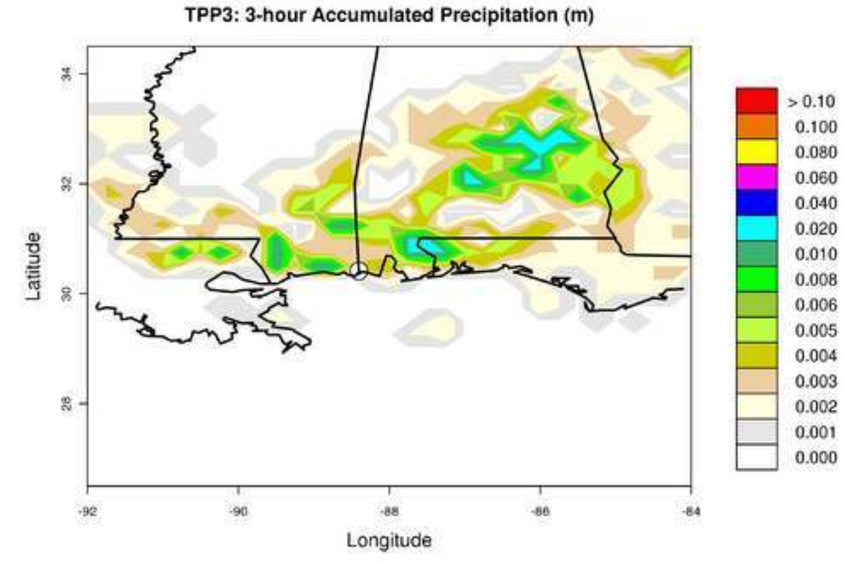

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

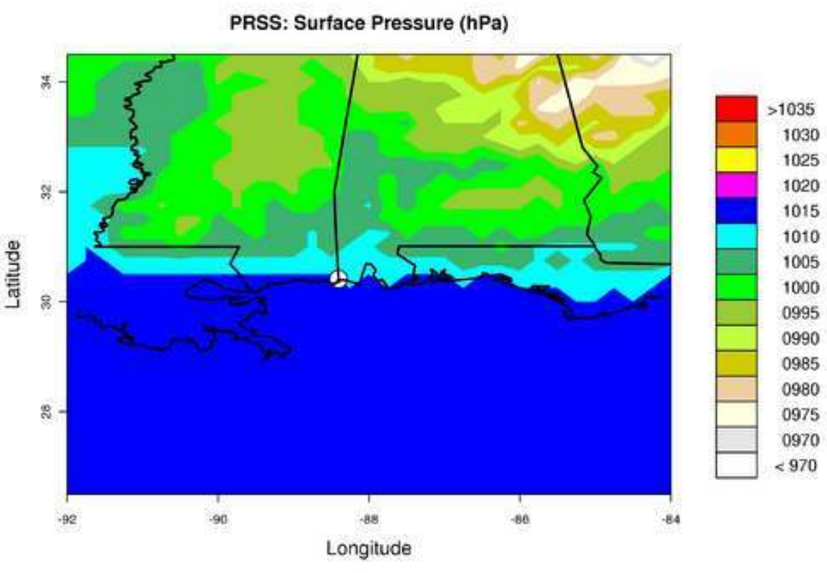

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

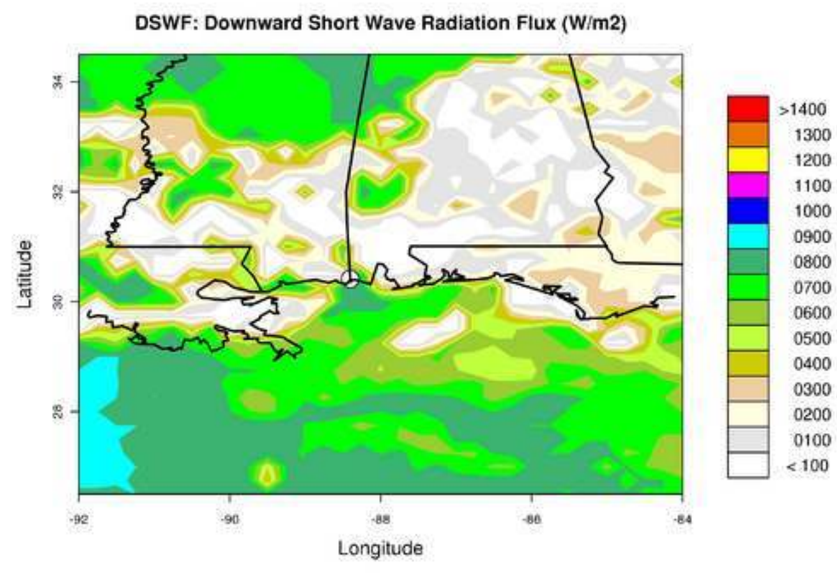

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

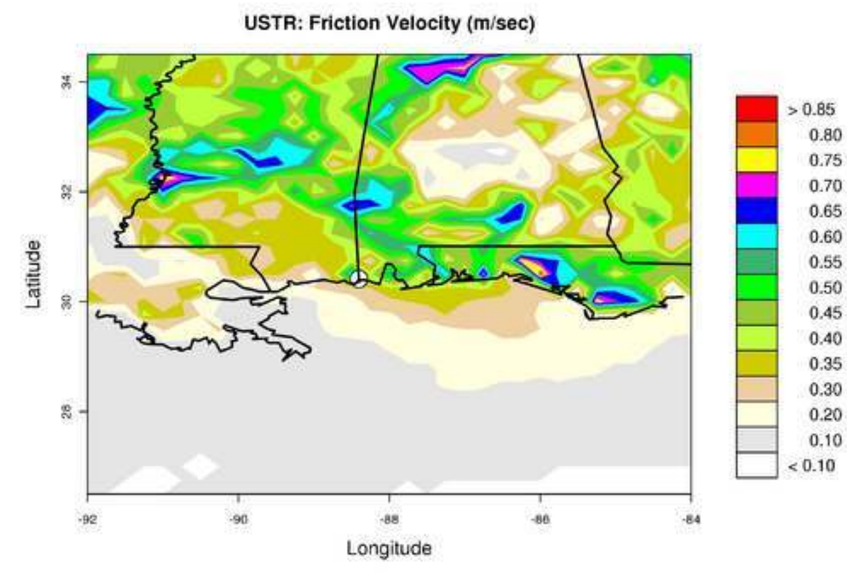

FORECAST for 2010_08_14, local hour = 15
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

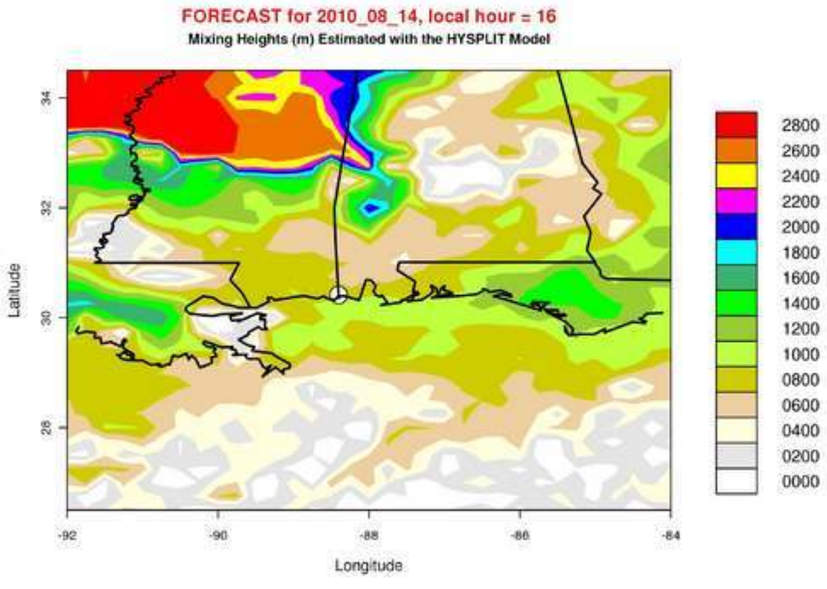

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

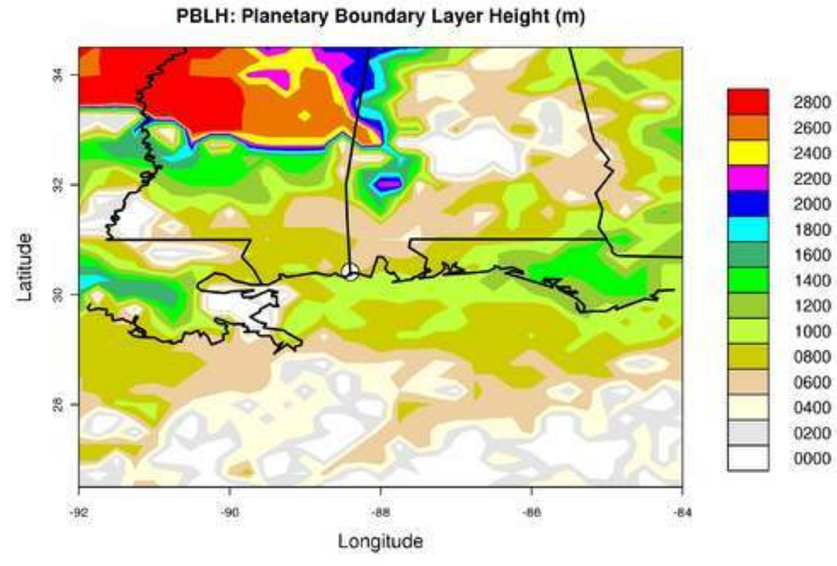

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

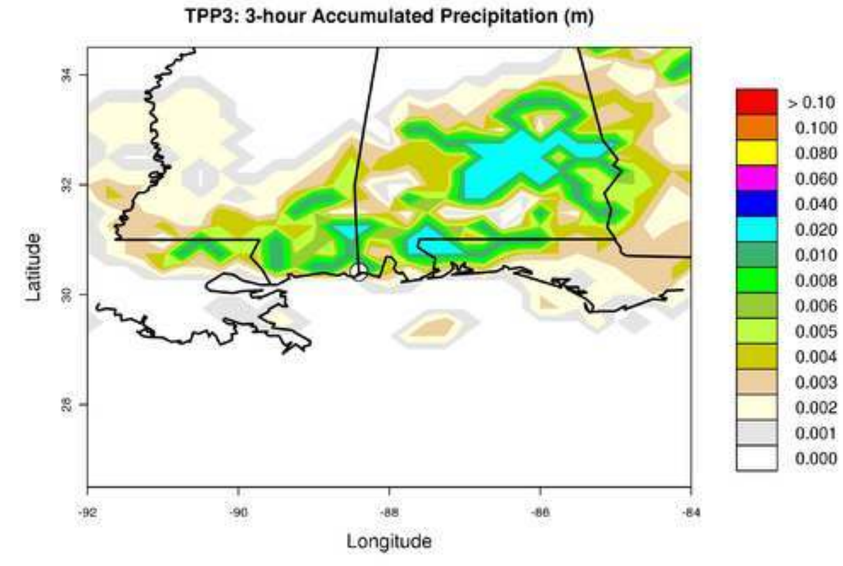

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

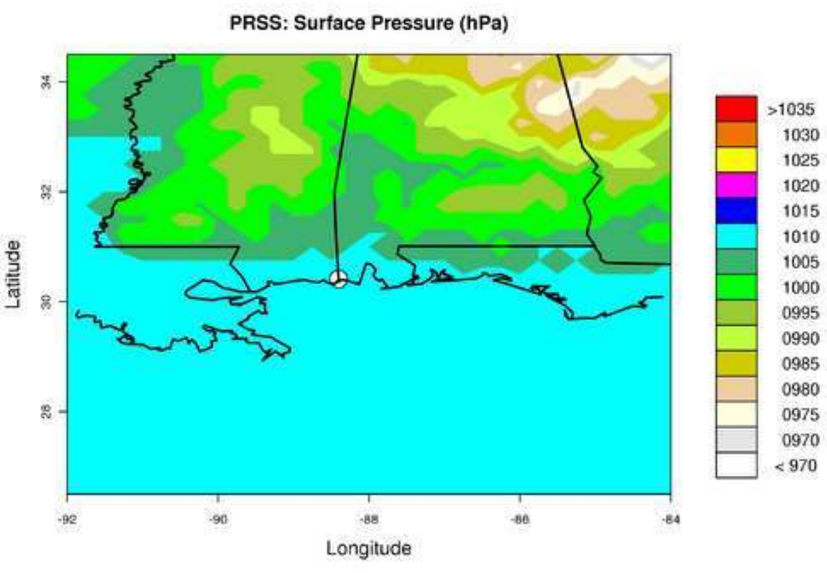

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

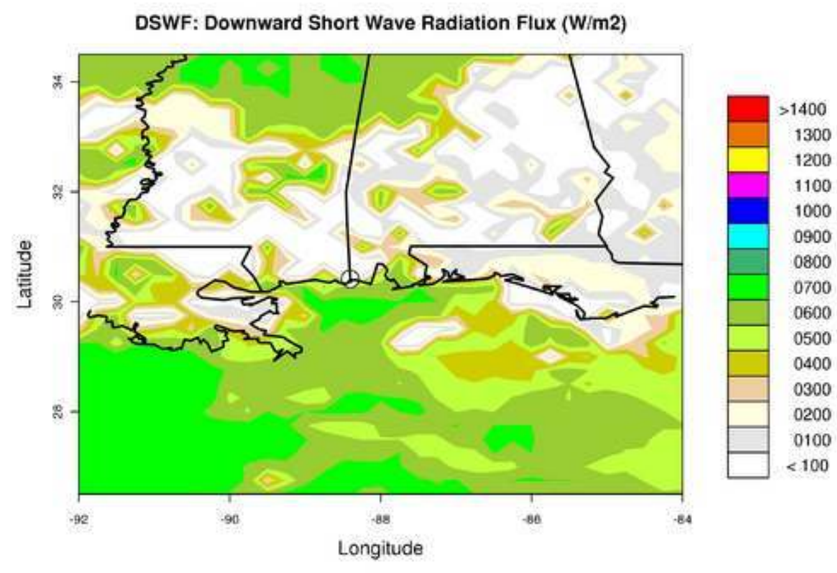

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

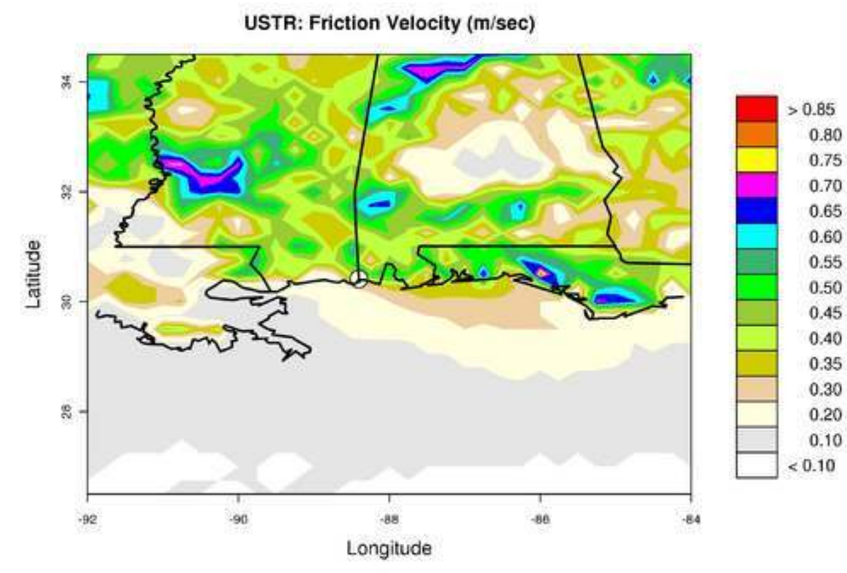

FORECAST for 2010_08_14, local hour = 16
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

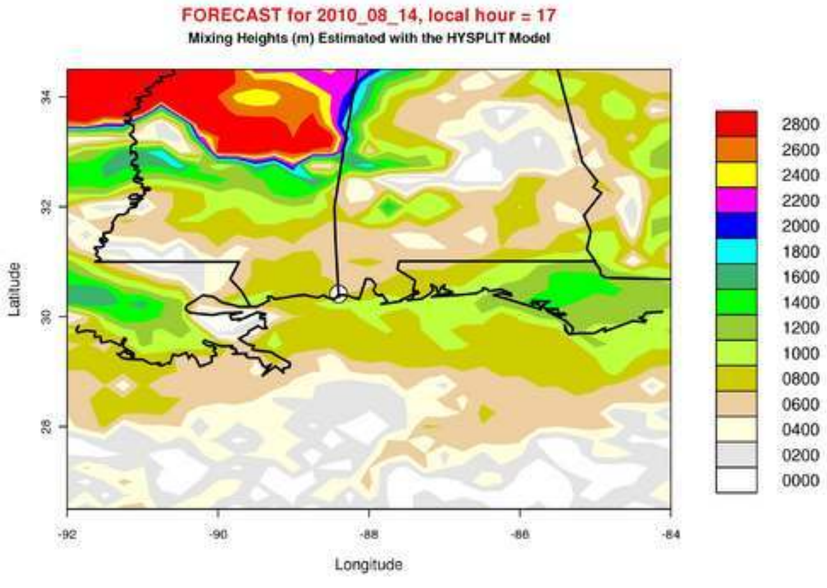

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

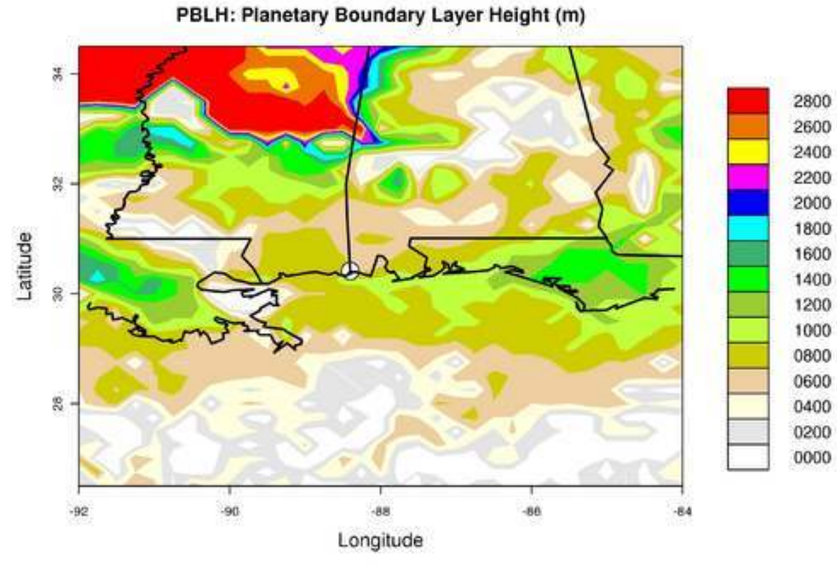

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

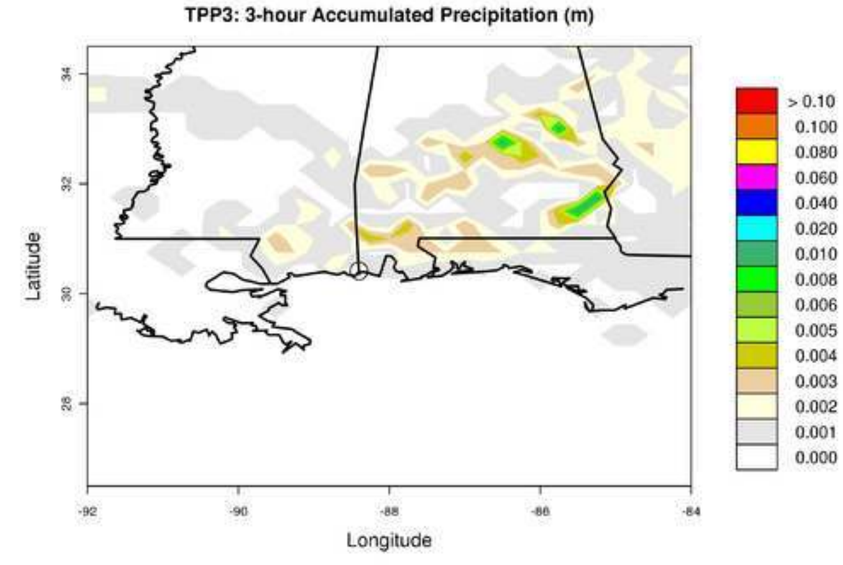

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

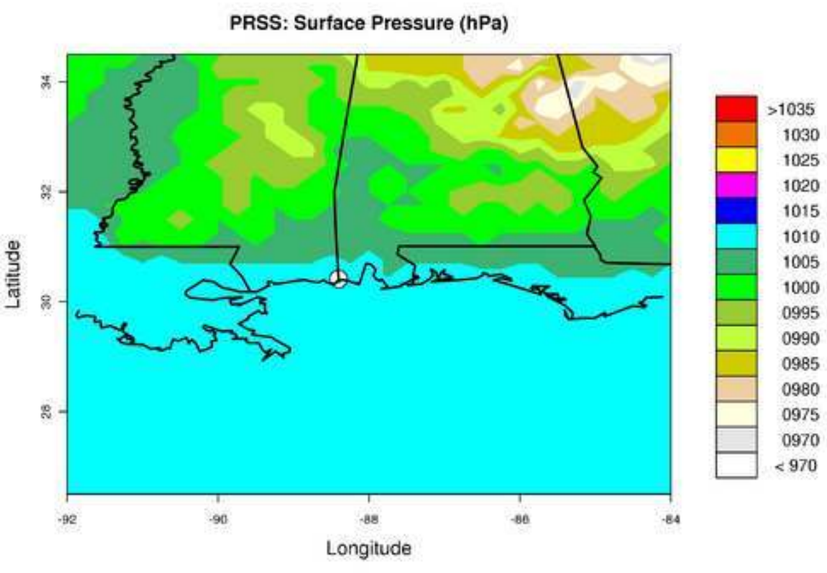

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

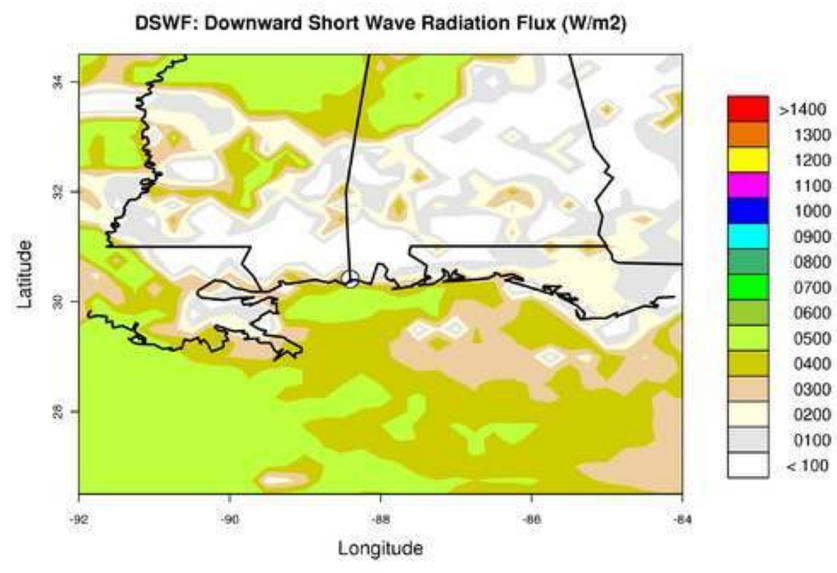

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

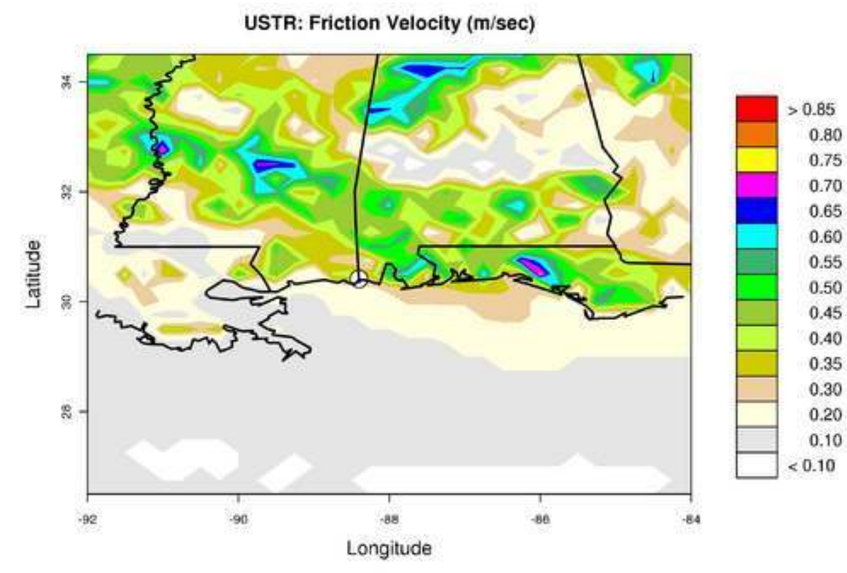

FORECAST for 2010_08_14, local hour = 17
Mixing Heights (m) Estimated with the HYSPLIT Model
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000
Latitude
Longitude

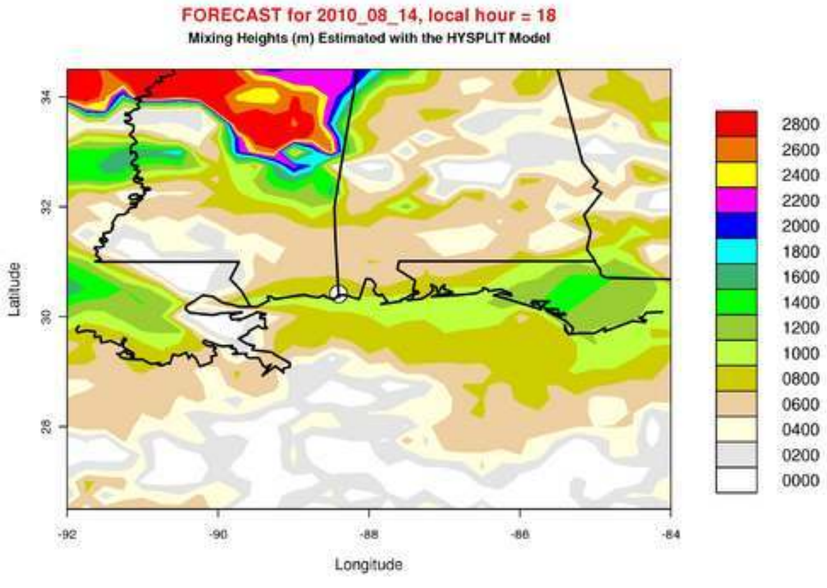

PBLH: Planetary Boundary Layer Height (m)
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000
Latitude
Longitude

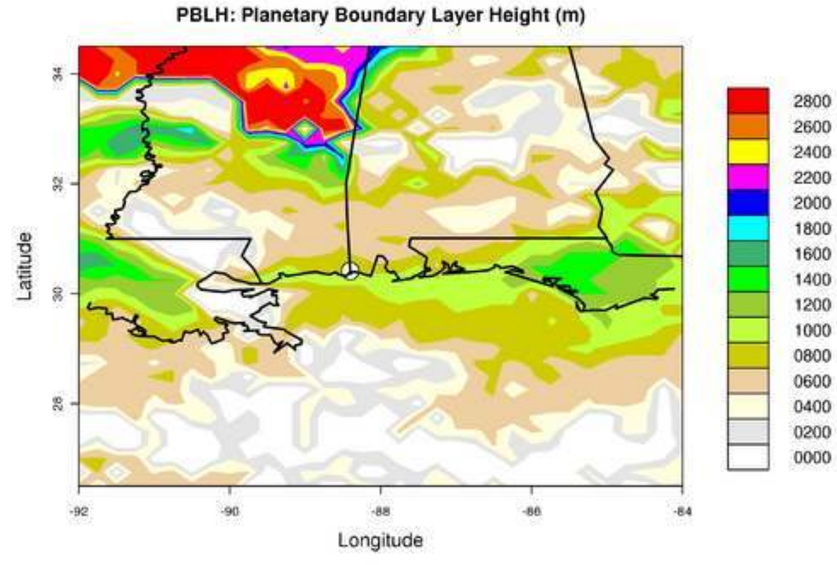

TPP3: 3-hour Accumulated Precipitation (m)
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000
Latitude
Longitude

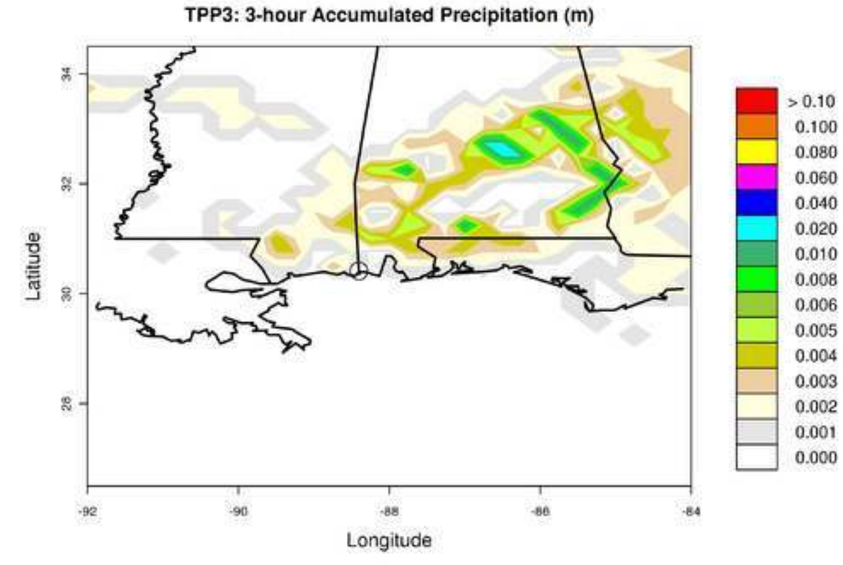

PRSS: Surface Pressure (hPa)
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970
Latitude
Longitude

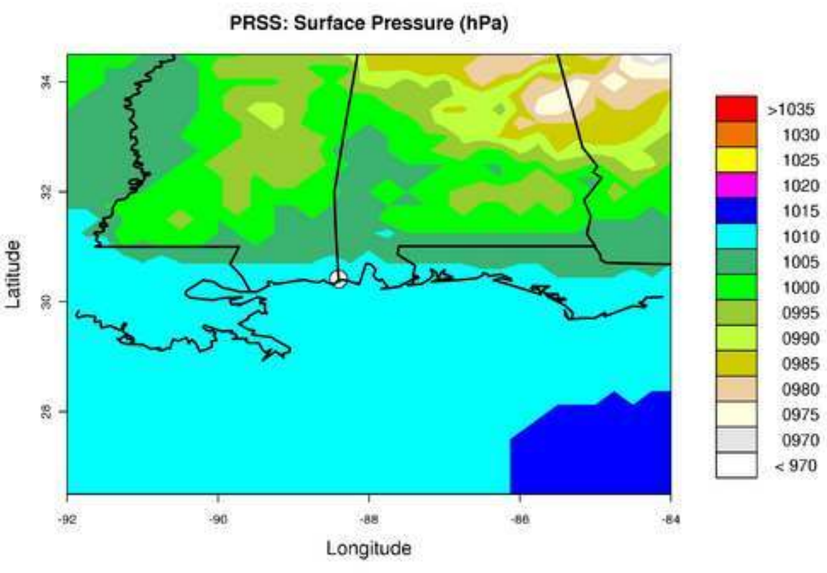

DSWF: Downward Short Wave Radiation Flux (W/m2)
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100
Latitude
Longitude

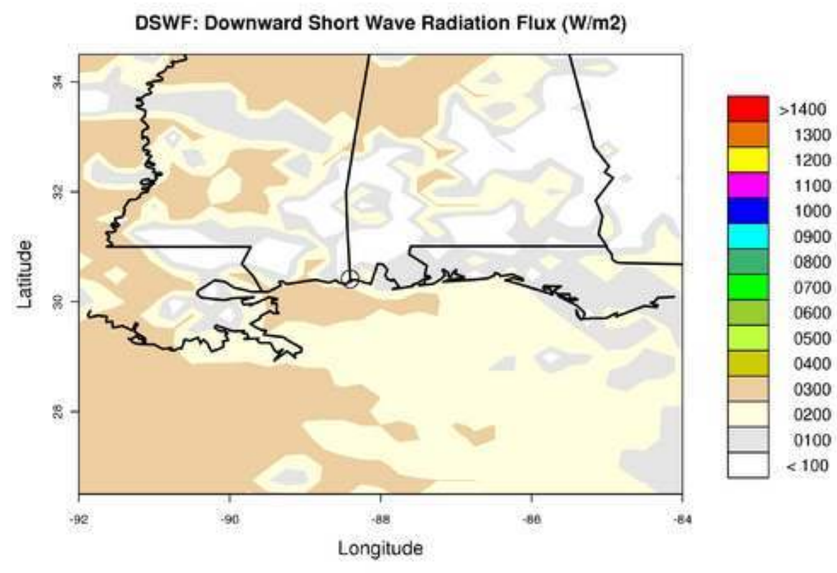

USTR: Friction Velocity (m/sec)
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10
Latitude
Longitude

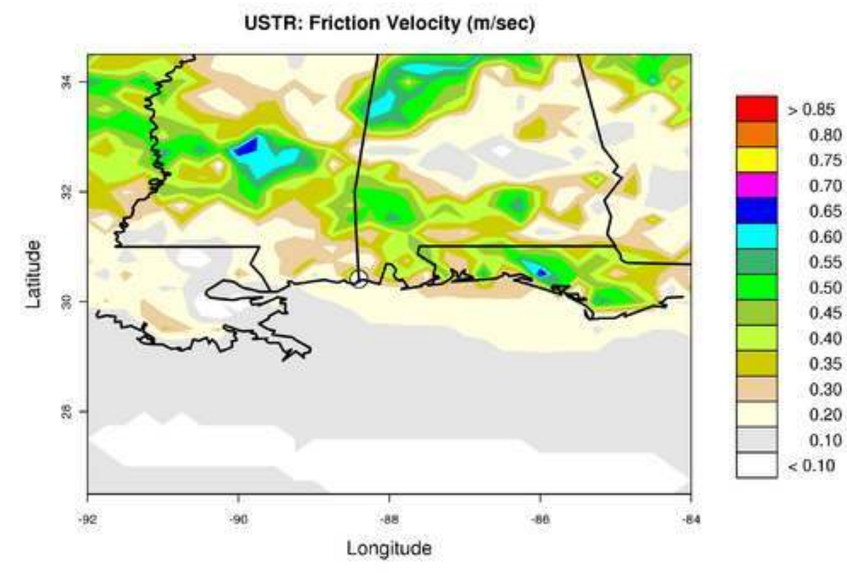

FORECAST for 2010_08_14, local hour = 18
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

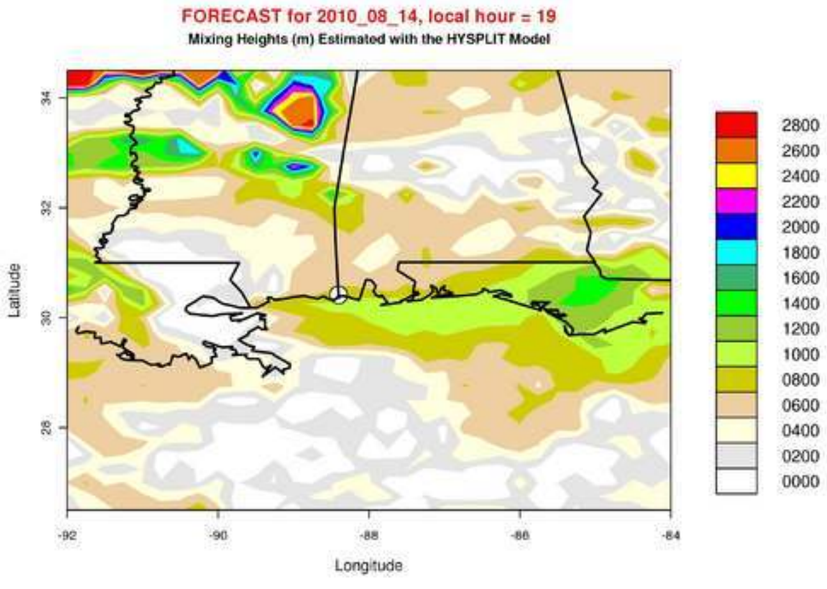

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

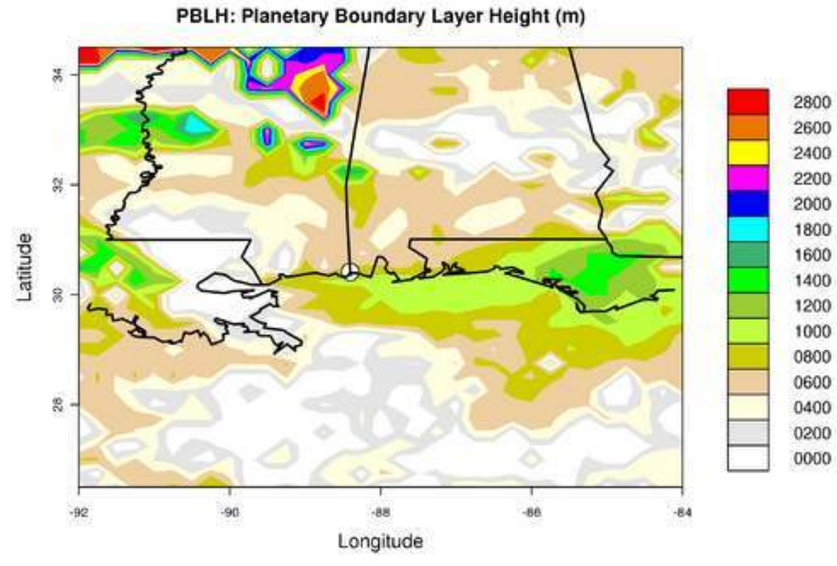

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

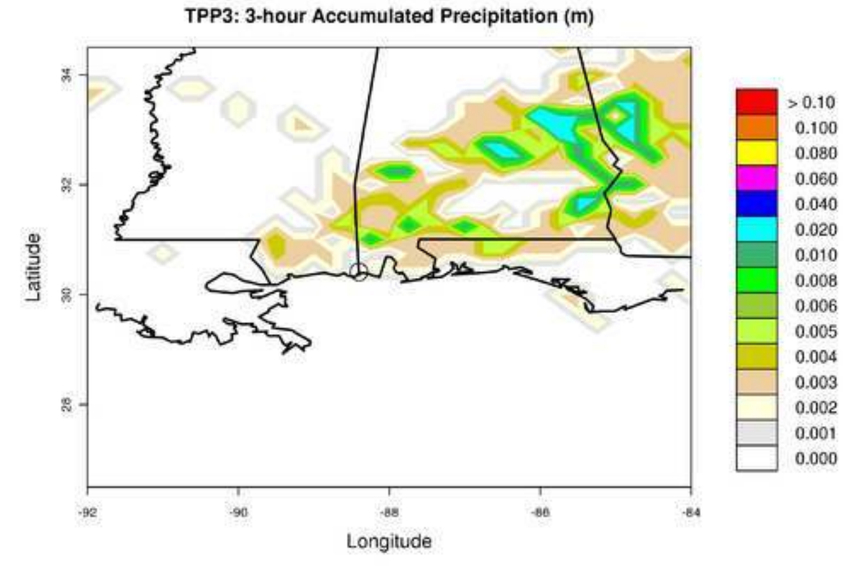

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

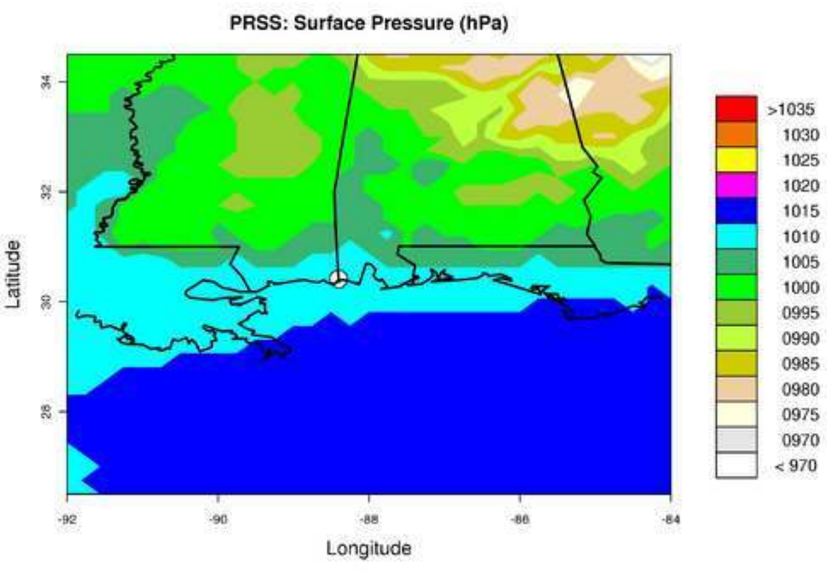

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

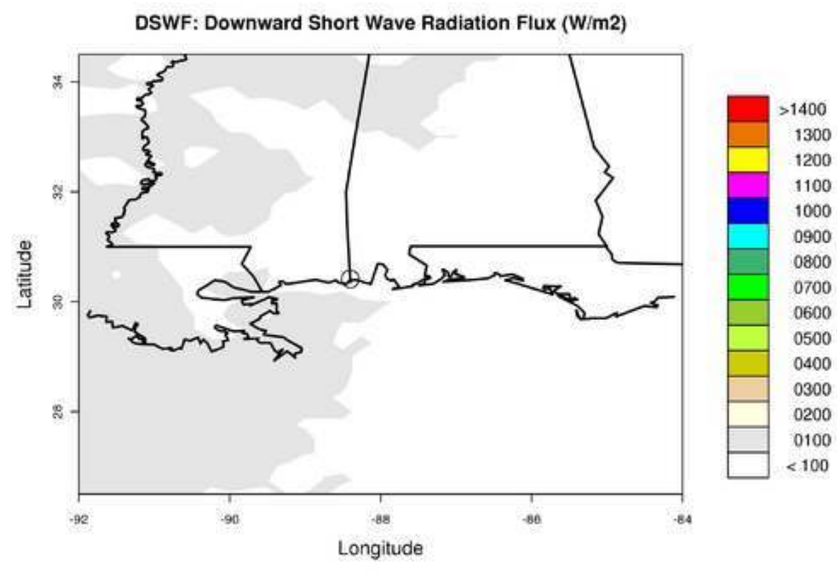

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

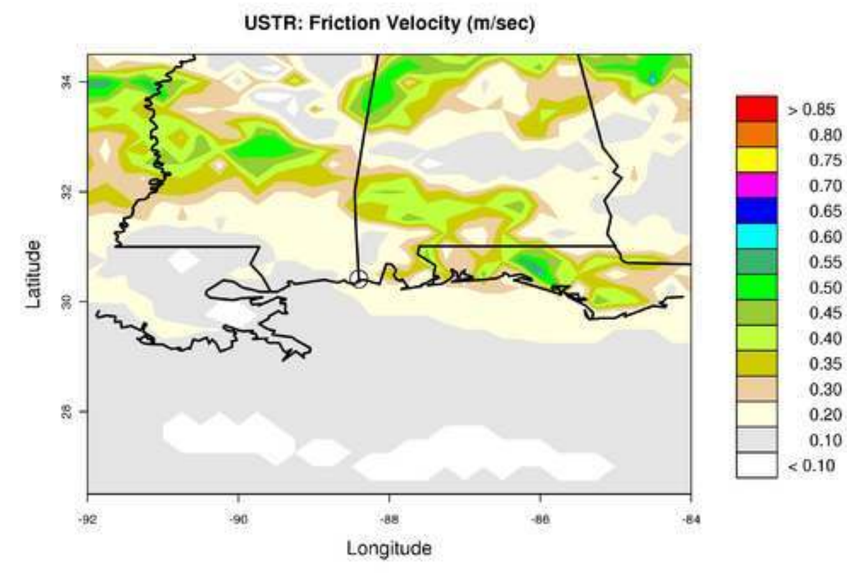

FORECAST for 2010_08_14, local hour = 19
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

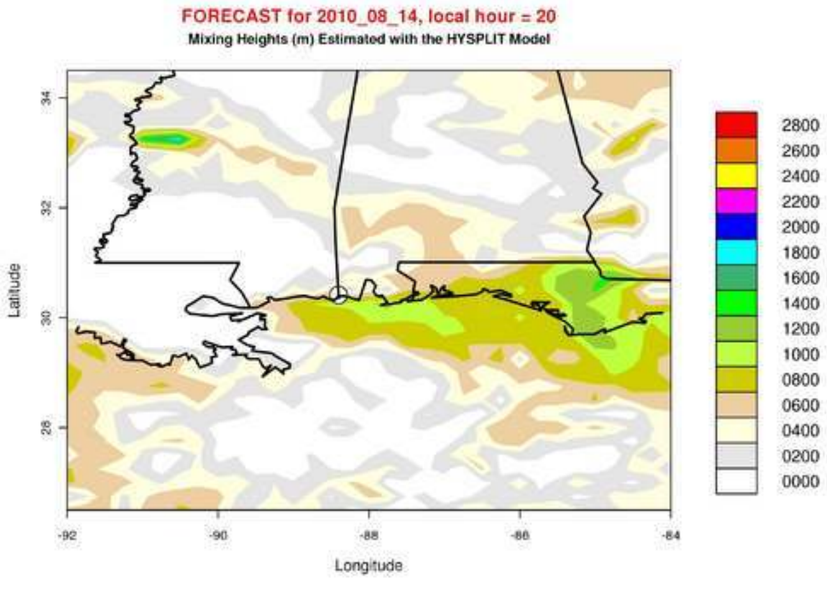

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

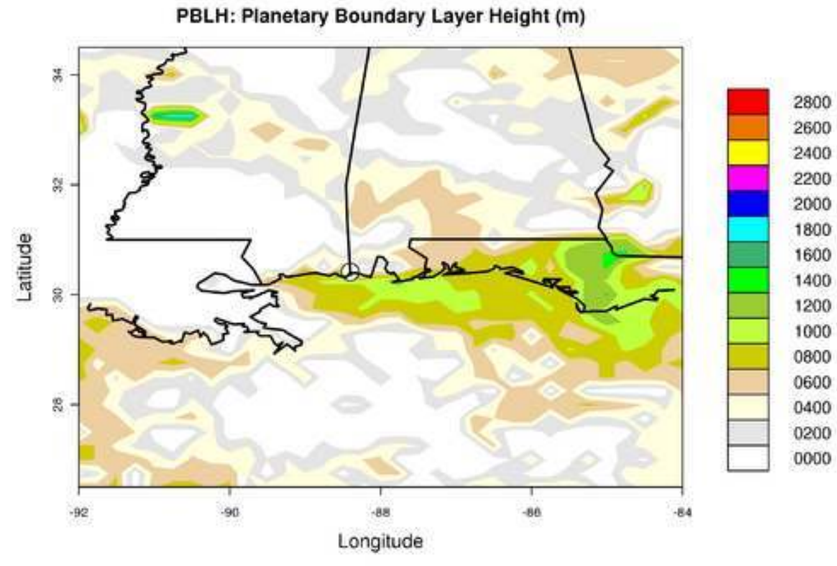

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

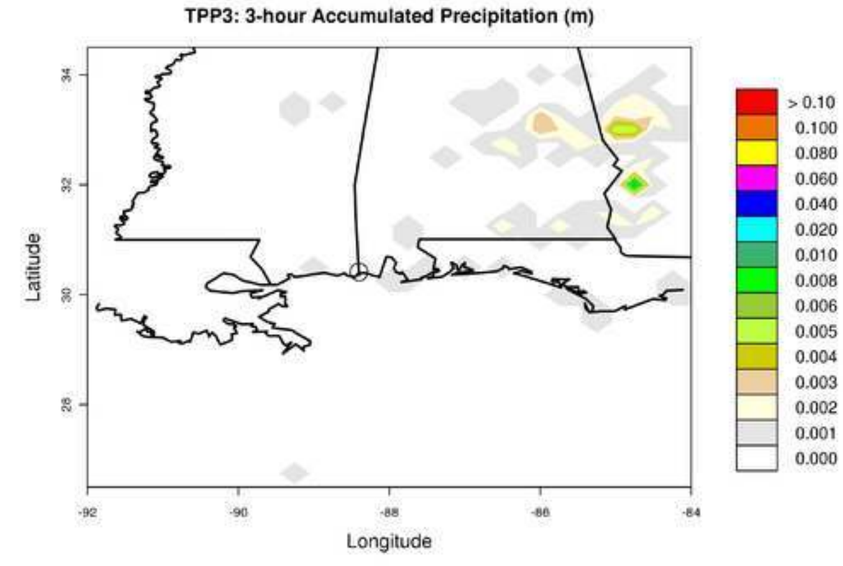

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

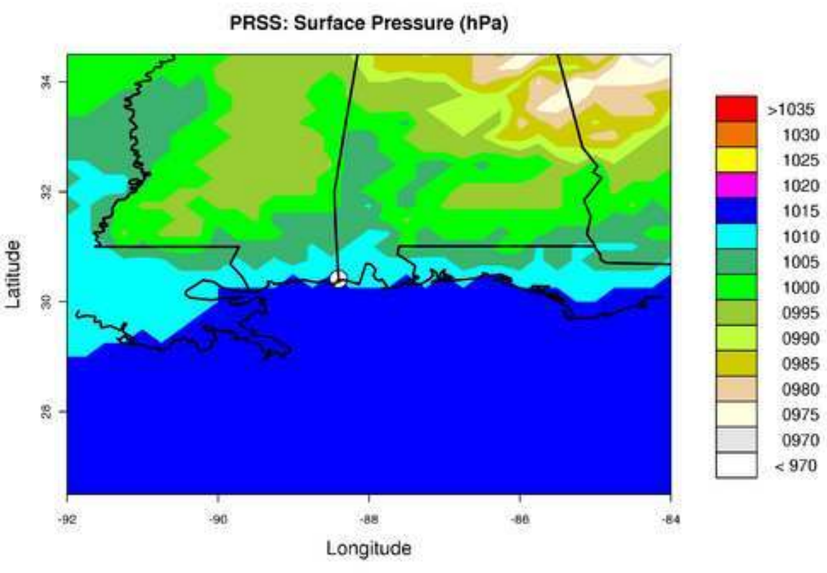

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

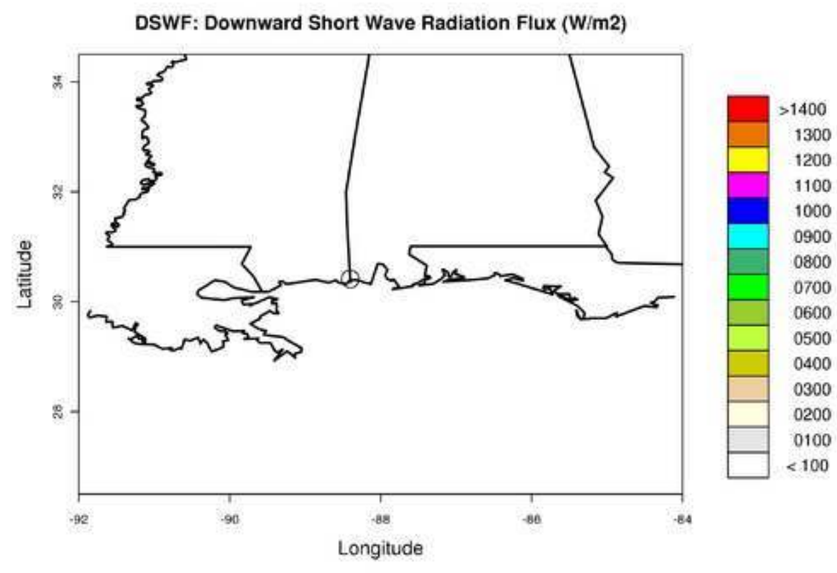

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

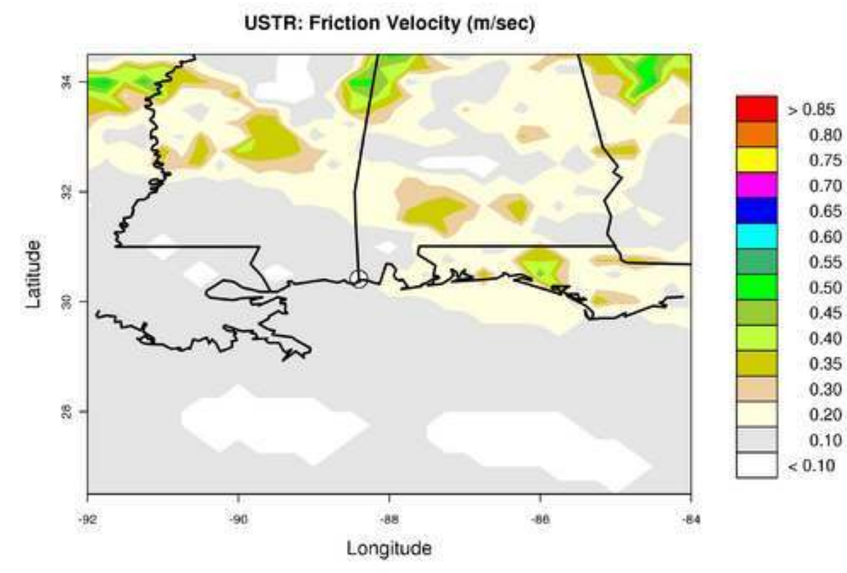

FORECAST for 2010_08_14, local hour = 20
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000


PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

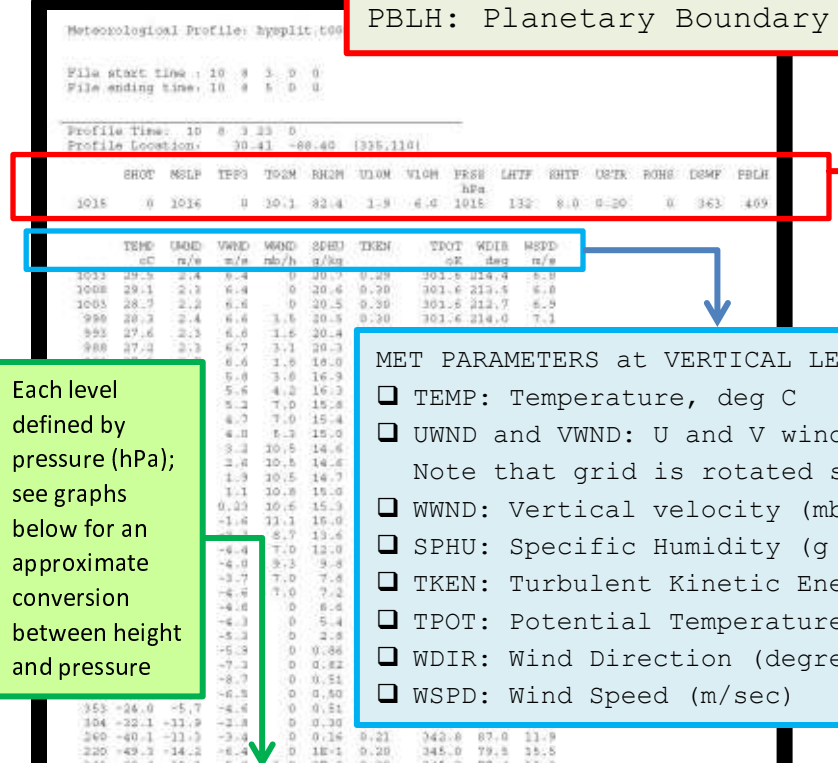

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100


USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

For each hour from 9 AM to 8 PM local time, a printout of the surface and vertical met variables at the Grand Bay NERR follows… (according to the 00-Z forecast)

SURFACE MET PARAMETERS:

PRSS: Surface Pressure (hPa)
SHGT: Surface Height (m)
MSLP: Mean Sea Level Pressure (hPA)
TPP3: 3-hour Accumulated Precipitation (mm)
T02M: Temperature (deg C)at 2 meter height
RH2M: Relative Humidity (percent) at 2 meter height
U10M: U Wind Component (m/sec) at 10 meter height
V10M: V Wind Component (m/sec) at 10 meter height
PRSS: Surface Pressure (hPa)
LHTF: Latent Heat Net Flux (W/m2)
SHTF: Sensible Heat Net Flux (W/m2)
USTR: Friction Velocity (m/sec)
RGHS: Roughness Length (m)
DSWF: Downward Short Wave Radiation Flux (W/m2)
PBLH: Planetary Boundary Layer Height (m)



Meteorological Profile: hysplit.t00

File start time : 10 8 3 0 0
File ending time: 10 8 5 0 0

Profile Time: 10 8 3 23 0
Profile Location: 30.41 -88.40 [335,110]

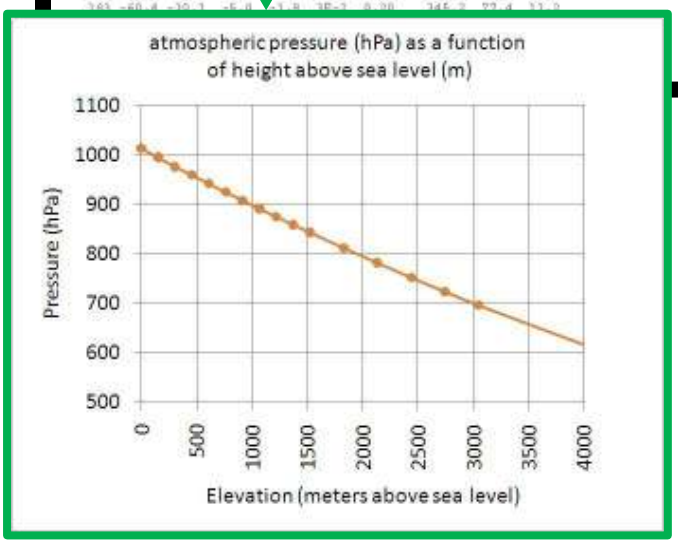
SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1015	0	1016	0	30.1	82.4	1.9	6.0	1015	132	8.0	0.20	0	363	469

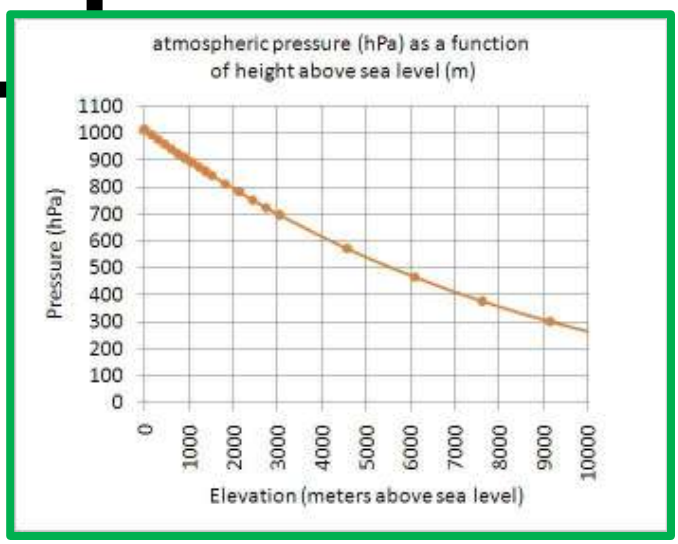
	TEMP cC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT cK	WDIR deg	WSPD m/s
1013	29.5	2.4	6.4	0	20.7	0.29	301.5	214.4	6.8
1008	29.1	2.3	6.4	0	20.6	0.30	301.6	213.5	6.8
1003	28.7	2.2	6.6	0	20.5	0.30	301.6	212.7	6.9
998	28.3	2.4	6.6	1.6	20.5	0.30	301.6	214.0	7.1
993	27.6	2.3	6.6	1.6	20.4				
988	27.3	2.3	6.7	3.1	20.3				
			6.6	1.6	16.0				
			5.8	3.6	16.9				
			5.6	4.2	16.3				
			5.3	7.0	15.8				
			4.7	7.0	15.4				
			4.0	6.3	15.0				
			3.3	10.5	14.6				
			2.6	10.5	14.6				
			1.9	10.5	14.7				
			1.1	10.8	15.0				
			0.23	10.6	15.3				
			-1.6	11.1	15.0				
				8.7	13.6				
			-6.4	7.0	12.0				
			-6.0	9.3	9.8				
			-3.7	7.0	7.6				
			-4.6	7.0	7.2				
			-4.6	0	6.6				
			-4.3	0	5.4				
			-5.3	0	2.8				
			-5.3	0	0.86				
			-7.3	0	0.82				
			-8.7	0	0.51				
			-6.5	0	0.50				
353	-24.0	-5.7	-4.6	0	0.51				
304	-32.1	-11.9	-2.8	0	0.30				
260	-40.1	-11.3	-3.4	0	0.16	0.21	342.8	87.0	11.9
220	-49.3	-14.2	-6.4	0	1E-1	0.20	345.0	79.5	15.5

Each level defined by pressure (hPa); see graphs below for an approximate conversion between height and pressure

MET PARAMETERS at VERTICAL LEVELS ABOVE THE SURFACE:

- ❑ TEMP: Temperature, deg C
- ❑ UWND and VWND: U and V wind components (m/sec);
  Note that grid is rotated so these are not E-W, N-S winds
- ❑ WWND: Vertical velocity (mb/hr) [units of millibars/hr]
- ❑ SPHU: Specific Humidity (g water/kg air)
- ❑ TKEN: Turbulent Kinetic Energy (J/kg)
- ❑ TPOT: Potential Temperature (K)
- ❑ WDIR: Wind Direction (degrees)
- ❑ WSPD: Wind Speed (m/sec)





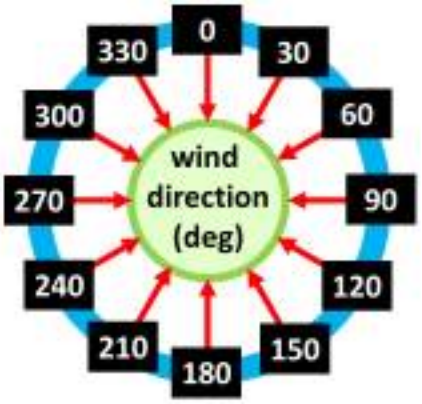
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 14 0 0
File ending time: 10 8 16 0 0

Profile Time: 10 8 14 14 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1013	0	1013	5E-3	29.4	80.0	5.8	2.6	1013	160	18.8	0.19	0	32.0	852

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1011	28.7	7.2	3.7	-1.9	19.1	0.39	300.9	256.6	8.1
1006	28.3	7.1	3.5	-3.5	18.9	0.45	300.9	257.6	8.0
1001	27.8	7.1	3.5	-3.1	18.8	0.45	300.9	257.5	7.9
996	27.4	7.2	3.8	-5.0	18.7	0.45	300.9	256.3	8.2
991	27.0	7.2	3.6	-5.3	18.6	0.45	300.9	257.2	8.0
986	26.6	7.3	3.8	-4.9	18.5	0.45	300.9	256.2	8.3
981	26.1	7.2	3.9	-4.8	18.5	0.45	300.9	255.5	8.2
976	25.6	7.3	3.7	-5.6	18.5	0.45	300.8	257.0	8.2
970	25.2	7.4	3.6	-6.7	18.4	0.45	301.0	257.8	8.2
965	24.6	7.2	3.7	-6.6	18.4	0.45	300.9	256.5	8.1
959	24.0	7.0	3.7	-7.5	18.4	0.45	300.8	256.2	7.9
953	23.7	7.5	4.0	-7.8	17.9	0.45	301.0	255.4	8.5
946	23.1	7.2	3.9	-9.7	17.8	0.45	301.0	255.2	8.2
939	22.6	7.5	3.8	-11.5	16.9	0.20	301.1	257.0	8.4
932	22.2	7.6	4.2	-11.5	16.4	0.20	301.3	255.3	8.7
925	21.8	8.3	4.0	-14.3	16.0	0.20	301.7	258.3	9.2
916	21.3	9.1	3.5	-17.8	15.7	0.20	301.9	262.7	9.7
895	20.0	9.2	3.4	-19.9	14.9	0.20	302.6	263.6	9.8
868	18.6	9.7	3.1	-23.2	14.1	0.20	303.8	266.0	10.2
837	16.8	8.9	3.5	-24.6	13.2	0.20	305.1	262.4	9.6
803	15.1	8.3	4.1	-28.1	12.1	0.20	306.9	257.4	9.2
767	13.1	8.5	3.3	-21.1	11.0	0.20	308.8	262.8	9.1
728	11.0	6.7	1.8	-14.1	9.7	0.20	311.2	269.1	6.9
687	8.6	5.7	2.8	-7.0	8.4	0.20	313.7	257.7	6.3
643	5.5	5.8	4.2	0	6.9	0.20	316.2	247.8	7.2
597	1.2	7.8	4.9	0	5.9	0.20	318.0	251.5	9.2
549	-2.7	7.7	4.8	-14.1	5.6	0.20	321.1	252.0	9.0
500	-4.5	6.1	5.9	-35.2	5.6	0.20	327.4	239.5	8.5
451	-9.4	5.2	4.3	-35.2	4.2	0.20	331.1	244.6	6.8
402	-16.2	2.9	0	-3.5	2.5	0.20	333.5	283.9	2.9
352	-21.4	2.1	0	7.0	1.1	0.20	339.3	283.9	2.1
304	-30.2	2.2	2.4	6.9	0.38	0.20	341.6	236.8	3.2
259	-39.4	-1.9	2.4	5.9	0.26	0.20	344.0	155.4	3.0
220	-48.9	-4.8	2.8	3.5	0.11	0.20	345.8	134.0	5.6
183	-60.5	-3.2	2.4	1.8	3E-2	0.20	345.8	141.1	4.0
138	-73.5	0.19	-7.5	1.5	1E-2	0	351.9	12.4	7.5
88	-65.7	-12.8	-0.51	-0.68	1E-2	0.20	415.7	101.6	12.8
63	-58.9	-17.5	0.12	-0.32	1E-2	0.20	472.7	104.3	17.5
38	-48.1	-24.6	-7.1	0.11	3E-2	0.20	574.7	87.7	25.6



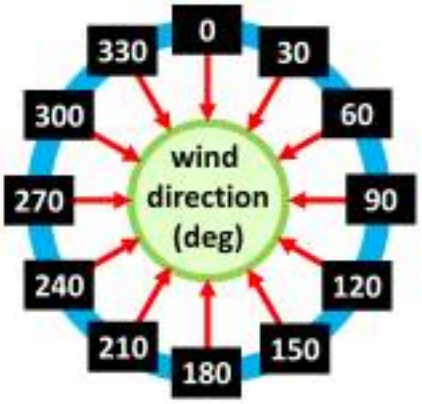
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 14 0 0
File ending time: 10 8 16 0 0

Profile Time: 10 8 14 15 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1013	0	1014	1E-2	29.9	78.0	6.6	3.4	1013	224	19.1	0.25	0	48.0	1044

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1010	28.9	7.5	4.1	-3.5	18.9	0.58	301.2	255.5	8.6
1005	28.5	7.4	4.1	-3.5	18.8	0.70	301.2	255.0	8.5
1001	28.1	7.6	4.2	-2.6	18.8	0.70	301.2	255.1	8.7
996	27.7	7.5	4.1	-2.6	18.9	0.70	301.3	255.1	8.6
991	27.2	7.4	4.3	-5.4	18.7	0.70	301.2	253.8	8.5
985	26.7	7.5	4.2	-3.5	18.9	0.83	301.1	254.4	8.6
980	26.3	7.4	4.3	-5.3	18.6	0.83	301.1	253.9	8.6
975	25.8	7.5	4.4	-6.9	18.7	0.83	301.1	253.6	8.7
969	25.2	7.6	4.2	-6.4	18.6	0.83	301.0	254.8	8.7
964	24.9	7.4	4.3	-7.0	18.7	0.83	301.2	253.6	8.6
958	24.3	7.7	4.3	-8.7	18.5	0.83	301.1	255.0	8.8
952	23.7	7.7	4.4	-8.2	18.3	0.70	301.0	254.2	8.9
945	23.1	7.4	4.3	-9.1	18.3	0.70	301.1	253.9	8.6
939	22.5	7.3	4.2	-9.5	17.6	0.70	301.1	253.8	8.4
932	22.3	8.2	4.5	-11.5	16.5	0.58	301.5	254.9	9.4
924	21.9	8.9	3.9	-15.3	16.1	0.20	301.8	260.1	9.7
915	21.3	9.6	3.5	-15.0	15.8	0.20	302.0	263.8	10.3
894	20.1	10.3	3.1	-20.8	15.0	0.20	302.8	267.1	10.8
867	18.6	10.3	2.6	-24.4	14.1	0.20	303.9	269.8	10.7
836	16.9	10.2	3.0	-25.4	13.3	0.20	305.3	267.4	10.6
802	14.9	9.4	4.1	-21.1	12.1	0.20	306.8	260.4	10.2
766	13.1	9.3	4.2	-18.8	11.0	0.20	308.9	259.3	10.2
727	11.0	7.4	2.4	-12.0	9.8	0.20	311.3	265.8	7.8
686	8.5	5.7	2.9	-7.0	8.5	0.20	313.6	256.7	6.4
643	5.5	6.4	4.7	-6.0	7.1	0.20	316.2	247.6	8.0
596	1.5	8.0	5.0	0	6.0	0.20	318.4	252.1	9.4
549	-2.3	7.8	4.2	-7.0	5.6	0.20	321.5	255.8	8.8
500	-5.0	6.1	3.5	-28.1	5.4	0.20	327.0	254.1	7.0
451	-9.7	5.1	4.0	-21.1	4.0	0.20	330.9	245.9	6.5
401	-16.1	1.8	0.77	0	2.6	0.20	333.7	260.2	1.9
352	-21.4	0.42	0	0	1.0	0.21	339.3	283.9	0.4
304	-30.3	1.0	1.8	0	0.36	0.20	341.5	223.8	2.1
259	-39.5	-1.0	1.3	0	0.26	0.20	343.9	155.2	1.6
220	-49.0	-3.7	2.7	2.1	0.12	0.20	345.8	140.0	4.6
182	-60.7	-3.4	2.1	0	4E-2	0.20	345.7	135.5	4.0
138	-73.3	-3.0	-7.6	0	1E-2	0.20	352.4	35.4	8.2
88	-65.4	-11.6	-1.1	-0.15	1E-2	0.20	416.5	98.6	11.7
63	-60.1	-15.2	-0.42	1E-1	1E-2	0.20	470.3	102.3	15.2
38	-47.4	-24.6	-7.1	0.15	3E-2	0.20	576.5	87.7	25.6



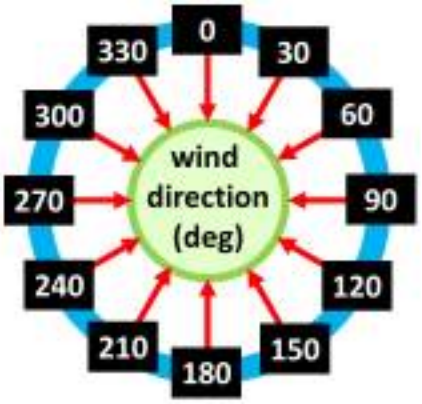
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 14 0 0
File ending time: 10 8 16 0 0

Profile Time: 10 8 14 16 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1014	0	1014	2E-3	29.9	79.0	6.1	3.7	1014	219	19.1	0.24	0	68.6	767

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1011	29.0	7.4	4.6	-0.88	19.2	0.51	301.2	252.0	8.8
1007	28.6	7.6	4.6	-3.5	19.0	0.51	301.2	252.8	8.9
1002	28.2	7.5	4.8	-4.4	18.9	0.58	301.2	251.4	8.9
997	27.5	7.5	4.7	-5.3	18.9	0.58	301.0	251.5	8.8
992	27.3	7.4	4.8	-6.3	18.8	0.58	301.1	250.8	8.8
987	26.7	7.5	4.7	-7.0	18.8	0.58	301.0	252.1	8.9
981	26.3	7.6	4.8	-8.8	18.7	0.58	301.1	251.7	9.0
976	25.7	7.5	4.8	-8.8	18.7	0.45	300.9	251.3	8.9
971	25.2	7.5	4.7	-8.8	18.7	0.45	300.9	252.0	8.9
965	24.8	7.6	4.8	-11.4	18.6	0.45	301.0	251.8	9.0
959	24.2	7.6	4.7	-12.3	18.5	0.45	300.9	252.0	9.0
953	23.7	7.6	4.7	-14.1	18.5	0.45	301.0	252.1	8.9
947	23.2	7.8	4.9	-15.8	17.9	0.45	301.1	251.8	9.1
940	22.7	7.9	4.8	-17.3	17.5	0.20	301.1	252.5	9.2
933	22.2	8.0	4.9	-19.1	17.0	0.20	301.3	252.4	9.4
925	21.8	8.7	4.5	-24.3	16.5	0.20	301.6	256.3	9.8
916	21.3	9.5	3.9	-24.0	16.0	0.20	301.9	261.5	10.3
895	20.0	10.5	2.9	-30.3	15.2	0.20	302.6	268.5	10.9
868	18.4	10.8	2.6	-33.9	14.5	0.20	303.7	270.3	11.1
837	16.8	10.4	2.7	-35.2	13.4	0.20	305.0	269.2	10.8
803	14.9	9.9	3.7	-31.6	12.5	0.20	306.7	263.6	10.6
767	12.9	10.0	4.6	-27.7	11.3	0.20	308.6	259.0	11.0
728	10.9	8.9	4.2	-21.1	9.9	0.20	311.0	258.3	9.8
687	8.4	5.9	3.2	-17.8	8.6	0.20	313.5	254.9	6.7
643	5.4	6.7	4.6	-14.1	7.1	0.20	316.0	249.5	8.1
597	1.8	8.5	4.1	-14.1	6.0	0.20	318.6	257.9	9.4
549	-2.1	8.4	3.3	-14.1	5.6	0.20	321.7	262.4	9.1
501	-5.1	6.1	2.6	-21.1	5.3	0.20	326.7	260.7	6.6
452	-9.6	4.0	3.3	-14.1	4.1	0.20	330.8	244.9	5.2
402	-15.8	0	2.0	4.9	2.4	0.20	334.0	193.9	2.0
352	-21.1	-0.64	0.50	6.6	0.96	0.20	339.6	141.9	0.8
304	-30.2	0.90	0.74	2.5	0.35	0.20	341.6	244.6	1.2
259	-39.4	0	0	3.5	0.24	0.20	344.0	244.6	1.2
220	-48.9	-2.9	1.7	3.3	0.11	0.20	345.9	133.5	3.4
183	-60.5	-3.5	2.5	0	3E-2	0.20	345.8	139.9	4.3
138	-73.8	-4.8	-7.3	-1.5	1E-2	0.20	351.3	47.1	8.7
88	-65.6	-11.4	-0.92	-1E-1	1E-2	0.20	415.9	99.2	11.4
63	-60.4	-15.6	-0.24	0.32	1E-2	0.20	469.4	103.0	15.6
38	-46.7	-25.1	-6.1	0.16	3E-2	0.20	578.1	90.2	25.8



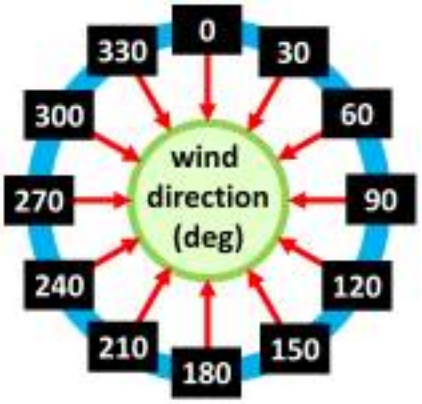
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 14 0 0
File ending time: 10 8 16 0 0

Profile Time: 10 8 14 17 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1015	0	1013	1E-2	29.8	80.0	6.2	3.9	1015	224	18.2	0.25	0	69.4	852

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1012	28.8	7.7	5.1	-2.4	19.3	0.45	300.9	250.5	9.2
1007	28.3	7.8	5.1	-4.4	19.2	0.58	300.9	251.0	9.3
1003	27.9	7.8	5.0	-3.5	19.1	0.58	300.9	251.2	9.3
998	27.6	7.7	5.0	-4.5	19.0	0.58	300.9	250.9	9.2
993	27.1	7.7	5.2	-5.9	19.0	0.58	300.9	250.1	9.3
987	26.6	7.9	5.2	-5.7	19.0	0.58	300.8	250.5	9.4
982	26.1	7.9	5.0	-9.0	18.9	0.58	300.8	251.4	9.3
977	25.8	7.7	5.3	-8.8	18.8	0.70	301.0	249.4	9.3
971	25.3	7.8	5.2	-8.5	18.9	0.70	300.9	250.1	9.4
966	24.7	7.9	5.2	-9.3	18.8	0.45	300.8	250.3	9.5
960	24.0	7.9	5.2	-11.5	18.7	0.45	300.7	250.5	9.5
954	23.7	7.7	5.2	-13.0	18.6	0.45	300.9	250.1	9.3
947	23.2	7.8	5.2	-15.0	17.7	0.20	301.0	250.4	9.4
941	22.8	8.1	5.3	-16.6	17.3	0.20	301.2	250.7	9.7
933	22.3	8.3	5.2	-18.3	16.9	0.20	301.3	251.6	9.8
926	21.9	9.0	4.8	-20.8	16.5	0.20	301.6	255.6	10.2
917	21.3	9.5	4.2	-24.0	16.2	0.20	301.8	260.0	10.4
896	20.0	10.3	3.5	-26.4	15.4	0.20	302.5	265.0	10.9
869	18.4	10.9	3.2	-32.7	14.8	0.20	303.6	267.5	11.3
838	16.7	11.0	3.3	-30.9	13.7	0.20	304.9	267.2	11.5
804	14.9	10.9	3.9	-28.6	12.7	0.20	306.6	264.3	11.6
768	13.0	10.3	4.6	-24.6	11.4	0.20	308.6	259.8	11.3
729	10.9	9.8	4.9	-21.1	10.1	0.20	311.0	257.4	10.9
688	8.4	6.8	3.8	-15.6	8.8	0.20	313.4	254.6	7.8
644	5.5	6.5	4.5	-17.6	7.3	0.20	316.0	249.3	7.9
598	2.0	8.3	4.2	-21.1	6.2	0.20	318.9	257.2	9.3
550	-2.2	8.5	2.1	-25.9	5.5	0.20	321.5	270.1	8.7
501	-4.5	6.0	2.1	-35.2	5.6	0.20	327.4	264.4	6.4
452	-9.5	3.4	2.5	-21.1	4.1	0.20	330.9	248.0	4.2
402	-15.9	-0.85	3.1	0	2.5	0.20	333.7	178.3	3.2
353	-21.3	-0.44	0.26	2.7	0.98	0.20	339.4	134.6	0.5
304	-30.2	0.96	-0.75	5.9	0.35	0.20	341.5	321.8	1.2
259	-39.2	0	0	7.0	0.23	0.20	344.1	321.8	1.2
220	-48.8	-2.6	0	10.5	0.10	0.20	345.9	103.9	2.6
183	-60.3	-3.5	0.99	3.5	3E-2	0.20	346.1	119.6	3.7
138	-74.4	-6.4	-7.3	-0.43	1E-2	0.20	350.3	55.3	9.7
88	-66.1	-11.7	0.66	0	1E-2	0.20	414.8	107.1	11.7
63	-60.7	-15.6	-1.3	1.2	1E-2	0.20	468.6	99.0	15.7
38	-45.6	-25.4	-6.1	1E-1	3E-2	0.20	581.0	90.3	26.2



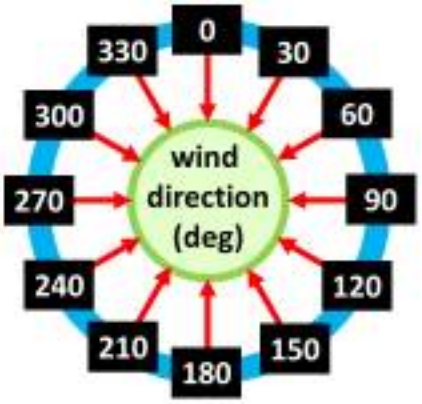
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 14 0 0
File ending time: 10 8 16 0 0

Profile Time: 10 8 14 18 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
								hPa						
1015	0	1014	1E-2	29.8	80.0	6.8	4.6	1015	249	26.4	0.30	0	71.6	933

	TEMP	UWND	VWND	WWND	SPHU	TKEN	TPOT	WDIR	WSPD
	oC	m/s	m/s	mb/h	g/kg		oK	deg	m/s
1013	28.9	8.1	5.6	-1.5	19.3	0.58	300.9	249.3	9.9
1008	28.5	8.2	5.8	-1.5	19.3	0.57	301.0	248.6	10.1
1003	28.1	8.4	5.8	-1.8	19.2	0.70	300.9	249.4	10.2
998	27.7	8.3	5.7	-3.5	19.2	0.70	301.0	249.3	10.1
993	27.2	8.3	5.8	-4.4	19.1	0.70	301.0	248.7	10.1
988	26.8	8.3	5.7	-5.3	19.0	0.70	301.0	249.4	10.1
983	26.2	8.6	5.8	-5.3	19.0	0.70	300.8	250.0	10.3
977	25.9	8.5	5.8	-5.3	18.9	0.70	301.0	249.4	10.3
972	25.3	8.5	5.7	-5.3	19.0	0.75	300.9	250.1	10.3
966	24.7	8.4	5.8	-7.0	18.9	0.75	300.8	249.3	10.2
960	24.3	8.5	5.8	-7.0	18.9	0.75	300.9	249.4	10.3
954	23.7	8.5	5.8	-7.7	18.6	0.75	300.8	249.7	10.3
948	23.3	8.7	5.8	-8.8	17.7	0	301.1	250.3	10.4
941	22.9	9.0	5.9	-12.3	17.1	0	301.2	250.3	10.7
934	22.4	9.3	5.8	-14.1	16.7	0.20	301.4	252.0	11.0
926	22.0	10.1	5.2	-14.4	16.4	0.20	301.8	256.7	11.3
918	21.5	10.4	4.8	-17.1	16.1	0.20	302.0	259.1	11.4
896	20.1	11.0	4.3	-24.6	15.4	0.20	302.6	262.6	11.9
869	18.6	11.3	4.1	-28.1	14.8	0.20	303.7	263.9	12.0
838	16.7	11.4	4.2	-31.6	13.9	0.20	304.8	263.5	12.1
804	14.7	11.7	4.8	-36.4	12.8	0.20	306.4	261.7	12.6
768	12.7	11.3	4.3	-35.2	11.7	0.20	308.3	263.1	12.0
729	10.5	10.0	4.2	-31.6	10.5	0.20	310.5	260.9	10.8
688	8.0	7.5	3.7	-31.6	9.1	0.20	312.9	257.6	8.4
644	5.1	5.9	4.0	-30.1	7.7	0.20	315.6	250.0	7.1
598	1.8	7.7	4.0	-31.6	6.4	0.20	318.6	256.4	8.7
550	-2.1	6.9	1.4	-26.4	5.6	0.20	321.6	272.3	7.0
501	-4.4	5.8	0.59	-27.2	5.6	0.20	327.4	278.0	5.8
452	-9.5	3.4	1.7	-17.6	4.2	0.20	330.9	256.6	3.8
403	-16.1	-0.96	3.2	4.5	2.4	0.20	333.5	177.1	3.3
353	-21.5	-0.40	0.62	0	1.0	0.20	339.0	161.2	0.7
304	-30.1	1.2	-1.0	5.3	0.38	0.20	341.6	324.9	1.6
259	-39.0	-0.62	-1.3	7.0	0.21	0.20	344.4	40.4	1.4
220	-48.5	-2.4	-1.1	8.8	1E-1	0.20	346.3	79.0	2.7
183	-60.1	-3.5	0.63	3.2	3E-2	0.20	346.4	114.0	3.6
138	-74.4	-7.5	-5.9	0.71	1E-2	0.20	350.2	65.7	9.5
88	-65.8	-10.3	0.96	1.5	1E-2	0.20	415.3	109.2	10.4
63	-60.7	-14.7	-2.8	-0.28	1E-2	0.20	468.5	93.0	15.0
38	-46.1	-25.9	-5.0	-1E-1	3E-2	0.20	579.5	93.0	26.4



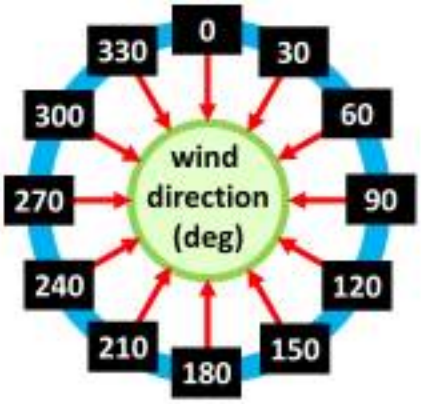
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 14 0 0
File ending time: 10 8 16 0 0

Profile Time: 10 8 14 19 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1015	0	1014	4E-3	29.9	79.0	7.4	4.5	1015	264	25.6	0.32	0	73.8	788

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1013	28.9	9.1	5.8	-2.6	19.0	0.70	301.0	251.4	10.7
1008	28.5	9.2	5.9	-1.8	18.9	0.70	301.0	251.2	10.9
1003	28.1	9.1	5.9	-1.8	18.8	0.70	301.0	251.1	10.8
998	27.7	9.3	5.8	-3.5	18.7	0.70	301.1	251.6	11.0
993	27.3	9.2	6.0	-1.4	18.7	0.57	301.0	250.8	10.9
988	26.9	9.3	5.8	-1.8	18.7	0.57	301.1	252.0	11.0
983	26.4	9.4	5.8	-1.8	18.6	0.57	301.1	252.1	11.1
977	25.9	9.2	6.0	0	18.5	0.57	301.1	251.0	11.0
972	25.3	9.4	6.0	-1.8	18.6	0.57	301.0	251.1	11.2
966	24.7	9.4	6.0	-1.8	18.4	0.45	300.9	251.4	11.2
960	24.2	9.3	6.0	-1.8	18.4	0.45	300.9	251.2	11.1
954	23.7	9.4	6.0	-1.8	18.2	0.45	300.9	251.5	11.1
948	23.3	9.6	6.0	-2.5	17.0	0.45	301.1	252.1	11.3
941	23.1	10.6	5.9	-1.8	16.5	0.20	301.5	254.8	12.1
934	22.7	11.9	5.2	-3.5	16.0	0.20	301.8	260.2	13.0
926	22.3	12.2	5.0	-3.5	15.9	0.20	302.0	261.5	13.2
917	21.9	12.2	5.1	-6.9	15.7	0.20	302.4	261.3	13.3
896	20.5	12.5	5.0	-11.5	15.0	0.20	303.0	261.9	13.4
869	18.8	12.5	5.0	-17.3	14.3	0.20	304.0	262.1	13.5
838	16.9	12.4	5.3	-24.9	13.4	0.20	305.1	260.8	13.5
804	14.9	12.3	5.2	-29.2	12.5	0.20	306.6	261.0	13.4
768	12.6	12.2	4.4	-28.1	11.5	0.20	308.2	264.1	12.9
729	10.5	10.5	3.4	-28.1	10.3	0.20	310.5	265.7	11.0
688	7.9	8.4	3.5	-28.1	9.1	0.20	312.9	261.3	9.1
644	5.0	6.3	3.9	-31.6	7.7	0.20	315.5	252.2	7.4
598	1.8	7.9	3.2	-31.6	6.3	0.20	318.6	261.6	8.5
550	-2.2	6.5	1.4	-24.4	5.6	0.20	321.5	271.4	6.6
501	-4.3	4.7	0.50	-22.9	5.7	0.20	327.6	277.8	4.7
452	-9.6	3.0	1.4	-11.4	4.3	0.20	330.7	259.0	3.3
402	-15.7	0	3.2	3.5	2.4	0.20	334.0	193.9	3.2
353	-22.0	-1.1	1.3	0	1.2	0.20	338.4	152.8	1.7
304	-30.1	0.31	-1.5	0	0.43	0.20	341.5	1.9	1.5
259	-39.1	-1.4	-1.4	0	0.21	0.20	344.3	58.8	1.9
220	-48.5	-3.3	-1.2	0	1E-1	0.20	346.3	84.4	3.5
183	-60.1	-4.0	0	1.6	3E-2	0.20	346.4	103.9	4.0
138	-74.7	-8.2	-5.5	0	1E-2	0.20	349.6	69.8	9.9
88	-65.1	-9.8	0.97	0.74	1E-2	0.20	416.9	109.5	9.8
63	-59.8	-14.3	-2.3	0.77	1E-2	0.20	470.5	94.5	14.5
38	-46.6	-26.1	-4.9	-0.90	3E-2	0.20	578.3	93.2	26.5



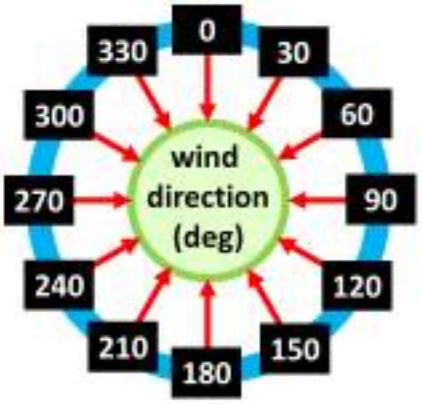
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 14 0 0
File ending time: 10 8 16 0 0

Profile Time: 10 8 14 20 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1015	0	1014	1E-2	29.9	77.5	7.9	3.1	1015	264	25.4	0.30	0	69.4	1044

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1012	29.2	9.7	3.9	0	18.7	0.70	301.3	262.0	10.4
1007	28.8	9.8	4.0	0	18.4	0.70	301.3	261.8	10.6
1003	28.4	9.7	4.0	-2.6	18.4	0.70	301.3	261.5	10.5
998	27.7	9.8	3.8	0	18.3	0.70	301.1	262.6	10.5
993	27.3	9.9	4.0	0	18.3	0.70	301.1	261.9	10.7
987	26.9	9.9	4.0	0	18.2	0.70	301.1	261.7	10.7
982	26.5	9.9	3.9	0	18.2	0.70	301.2	262.3	10.6
977	26.0	10.1	4.0	0	18.0	0.70	301.1	262.3	10.8
971	25.6	10.1	4.0	3.5	18.1	0.70	301.3	262.4	10.8
966	25.0	10.2	4.1	0	18.0	0.70	301.2	262.0	11.0
960	24.4	10.2	4.1	3.1	17.9	0.70	301.1	262.1	11.0
954	23.9	10.4	4.0	3.5	17.9	0.70	301.1	262.7	11.2
947	23.4	11.0	4.0	3.5	17.2	0.70	301.2	264.0	11.7
941	23.1	12.0	3.6	3.1	16.5	0.70	301.5	267.1	12.6
933	22.8	13.2	3.1	3.5	15.9	0.45	301.9	270.5	13.5
926	22.4	13.0	3.4	0	15.6	0.20	302.2	269.3	13.4
917	21.8	13.1	3.4	0	15.3	0.20	302.4	269.1	13.5
896	20.6	13.0	3.5	-7.0	14.7	0.20	303.1	268.7	13.4
869	19.0	13.0	3.9	-10.4	13.9	0.20	304.2	267.1	13.6
838	17.1	12.8	4.2	-15.1	13.1	0.20	305.3	265.7	13.5
804	15.1	12.5	4.1	-12.2	12.1	0.20	306.8	265.9	13.2
768	12.9	12.0	3.4	-7.7	11.1	0.20	308.5	268.2	12.4
729	10.6	10.4	3.0	-3.8	10.0	0.20	310.7	267.9	10.8
688	8.1	7.8	2.9	-11.0	8.7	0.20	313.1	263.7	8.3
644	5.1	7.2	3.9	-14.1	7.2	0.20	315.6	255.5	8.2
598	2.0	8.1	3.3	-15.4	5.8	0.20	318.8	261.7	8.8
550	-2.1	5.6	2.3	-14.1	5.5	0.20	321.7	261.5	6.0
501	-4.7	3.7	2.9	-20.2	5.5	0.20	327.2	245.1	4.7
452	-9.5	2.5	2.9	-10.5	4.2	0.20	330.9	235.1	3.8
402	-15.4	1.6	4.6	0	2.6	0.20	334.5	213.5	4.8
353	-22.3	-0.99	2.0	3.5	1.3	0.20	338.0	167.0	2.2
304	-30.3	-0.29	-1.6	-3.5	0.48	0.20	341.3	24.2	1.6
259	-39.2	-1.2	-1.4	-1.8	0.22	0.20	344.1	53.8	1.8
220	-48.6	-3.1	-1.2	0	1E-1	0.20	346.2	82.3	3.3
183	-60.2	-2.5	0.63	-1.9	3E-2	0.20	346.3	118.3	2.6
138	-75.0	-8.1	-5.5	-2.5	1E-2	0.20	349.2	69.5	9.8
88	-64.9	-10.3	-0.81	0.61	1E-2	0.20	417.2	99.3	10.3
63	-59.2	-12.8	-0.87	0.61	1E-2	0.20	472.0	100.0	12.9
38	-46.8	-25.6	-5.9	0.19	3E-2	0.20	577.8	90.9	26.3



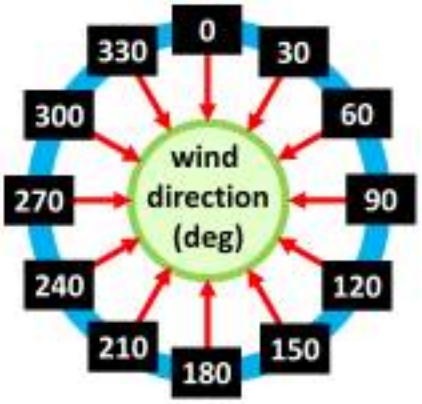
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 14 0 0
File ending time: 10 8 16 0 0

Profile Time: 10 8 14 21 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1014	0	1013	1E-2	29.9	76.4	7.0	2.2	1014	260	17.4	0.28	0	45.3	1044

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1012	29.0	9.1	2.6	1.3	18.5	0.70	301.1	267.9	9.4
1007	28.6	9.0	2.6	0.88	18.4	0.82	301.1	267.6	9.4
1002	28.2	9.1	2.7	3.5	18.2	0.82	301.1	267.6	9.5
997	27.8	9.2	2.6	3.5	18.3	0.82	301.2	268.0	9.5
992	27.3	9.1	2.6	8.8	18.2	0.95	301.2	267.8	9.5
987	26.9	9.3	2.5	5.8	18.0	0.70	301.2	268.6	9.6
982	26.5	9.2	2.7	8.8	18.0	0.95	301.2	267.7	9.6
976	26.0	9.2	2.8	9.0	18.0	0.70	301.2	267.2	9.6
971	25.4	9.5	2.5	12.3	18.0	0.95	301.1	269.3	9.8
965	25.0	9.6	2.6	12.3	17.9	0.70	301.2	268.9	9.9
959	24.4	9.5	2.5	12.3	17.7	0.95	301.2	268.9	9.8
953	23.9	9.6	2.7	14.1	17.6	0.70	301.1	268.1	10.0
947	23.2	9.8	2.8	14.1	17.5	0.70	301.0	267.6	10.2
940	23.0	11.3	2.1	14.1	16.3	0.70	301.5	273.2	11.5
933	22.9	12.3	1.7	12.3	15.8	0.70	302.0	276.2	12.4
925	22.3	12.0	1.9	14.1	15.4	0.20	302.1	274.8	12.2
917	21.9	12.2	2.1	14.6	15.1	0.20	302.5	274.0	12.4
895	20.7	12.4	2.5	12.3	14.3	0.20	303.3	272.4	12.7
868	19.2	12.4	3.0	9.1	13.5	0.20	304.4	270.3	12.8
837	17.5	12.1	3.2	7.0	12.6	0.20	305.8	268.9	12.5
803	15.7	11.4	3.4	7.0	11.5	0.20	307.5	267.3	11.9
767	13.6	10.5	2.9	7.0	10.5	0.20	309.4	268.7	10.9
728	11.4	9.0	2.8	7.0	9.3	0.20	311.5	266.9	9.4
687	8.7	7.3	2.2	3.7	8.1	0.20	313.8	267.2	7.6
644	5.5	8.0	3.3	4.0	6.7	0.20	316.2	261.5	8.6
597	2.1	7.4	2.7	-3.5	5.4	0.20	319.0	263.5	7.9
549	-2.0	5.4	2.3	-8.1	5.8	0.20	321.9	260.9	5.9
501	-4.6	3.7	3.8	-22.8	5.5	0.20	327.3	238.5	5.3
452	-9.3	2.7	4.1	-22.1	4.1	0.20	331.2	226.8	4.9
402	-15.2	2.0	4.2	-15.6	2.8	0.20	334.7	219.2	4.6
352	-22.3	-0.25	1.6	0	1.3	0.20	338.0	184.6	1.6
304	-30.3	0	-2.5	0	0.55	0.20	341.3	13.9	2.5
259	-39.2	-0.70	-1.6	0	0.22	0.20	344.2	36.9	1.8
220	-48.6	-1.9	0	2.7	1E-1	0.20	346.3	103.9	1.9
183	-60.1	-1.6	0	1.7	3E-2	0.20	346.4	103.9	1.6
138	-75.0	-8.9	-3.8	-0.35	1E-2	0.20	349.3	80.9	9.6
88	-64.5	-11.3	-1.5	-0.44	1E-2	0.20	418.1	96.3	11.4
63	-59.1	-12.2	-2.5	0.42	1E-2	0.20	472.3	92.1	12.4
38	-47.4	-25.1	-5.3	0	3E-2	0.20	576.4	91.9	25.7



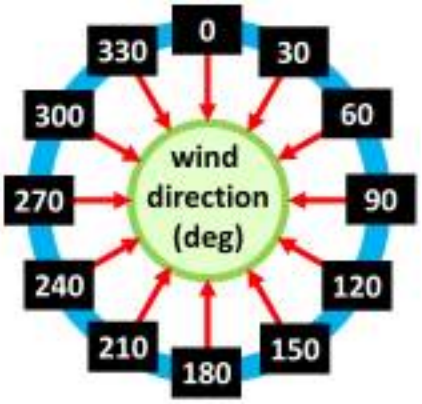
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 14 0 0
File ending time: 10 8 16 0 0

Profile Time: 10 8 14 22 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1013	0	1013	1E-3	29.9	77.4	6.4	1.8	1013	232	17.3	0.24	0	34.9	916

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1011	28.9	8.2	2.2	3.5	18.7	0.45	301.2	268.6	8.5
1006	28.5	8.3	2.3	4.4	18.5	0.45	301.2	268.5	8.6
1001	28.2	8.2	2.1	5.3	18.5	0.45	301.2	269.4	8.5
996	27.8	8.4	2.3	7.0	18.4	0.45	301.3	268.4	8.7
991	27.4	8.4	2.3	5.3	18.2	0.45	301.3	268.5	8.8
986	26.8	8.4	2.3	7.0	18.0	0.45	301.2	268.6	8.7
981	26.4	8.6	2.3	10.5	18.0	0.45	301.2	268.8	8.9
976	26.0	8.6	2.4	10.5	17.8	0.45	301.3	268.6	8.9
970	25.5	8.9	2.4	10.5	17.7	0.45	301.2	268.6	9.2
964	25.1	8.7	2.6	14.1	17.5	0.45	301.3	267.5	9.1
959	24.6	9.2	2.3	14.1	16.9	0.45	301.4	269.7	9.5
952	24.0	9.1	2.3	12.5	16.7	0.45	301.3	270.0	9.4
946	23.6	9.7	2.1	14.1	16.4	0.32	301.5	271.5	9.9
939	23.5	10.9	1.5	12.3	15.8	0.20	302.0	276.1	11.0
932	23.1	11.8	1.2	12.3	15.6	0.20	302.3	277.9	11.9
924	22.7	11.6	1.1	14.1	15.4	0.20	302.6	278.2	11.7
916	22.2	11.6	1.5	14.1	15.0	0.20	302.8	276.3	11.7
894	20.9	12.0	1.9	14.1	14.3	0.20	303.6	274.8	12.1
867	19.3	12.0	2.1	10.5	13.5	0.20	304.6	274.1	12.2
837	17.6	11.8	2.0	7.0	12.5	0.20	306.0	274.0	12.0
803	15.8	11.2	2.0	7.0	11.5	0.20	307.7	273.7	11.3
766	13.9	10.5	1.6	7.0	10.3	0.20	309.7	275.2	10.6
728	11.5	9.1	1.8	9.9	9.1	0.20	311.7	272.8	9.2
687	8.8	7.8	1.5	7.0	7.9	0.20	313.9	273.2	7.9
643	5.5	8.5	2.8	14.1	6.5	0.20	316.2	265.4	8.9
597	0.83	7.5	2.2	14.1	5.7	0.20	317.6	267.4	7.8
549	-0.81	5.6	2.7	0	6.7	0.20	323.3	258.3	6.2
500	-4.7	3.9	4.0	-21.1	5.5	0.20	327.3	237.9	5.5
451	-9.3	2.6	4.2	-21.1	4.1	0.20	331.2	226.0	5.0
402	-15.0	1.8	3.3	-21.1	2.8	0.19	335.1	222.1	3.8
352	-22.7	0	0.67	-3.5	1.5	0.20	337.6	193.9	0.7
304	-30.5	-0.85	-3.1	0	0.64	0.20	341.2	29.1	3.2
259	-39.4	-1.3	-2.7	0	0.23	0.20	344.0	39.0	3.0
220	-48.6	-2.5	-1.4	0	1E-1	0.20	346.3	74.8	2.9
183	-60.1	-1.7	0	1.8	3E-2	0.20	346.5	103.9	1.7
138	-74.9	-9.8	-1.3	1.8	1E-2	0.20	349.6	96.3	9.9
88	-64.7	-11.5	-0.27	-0.74	1E-2	0.20	417.8	102.5	11.5
63	-59.7	-12.3	-3.5	0.27	1E-2	0.20	471.1	88.0	12.7
38	-47.1	-25.1	-5.6	0.16	3E-2	0.20	577.3	91.3	25.7



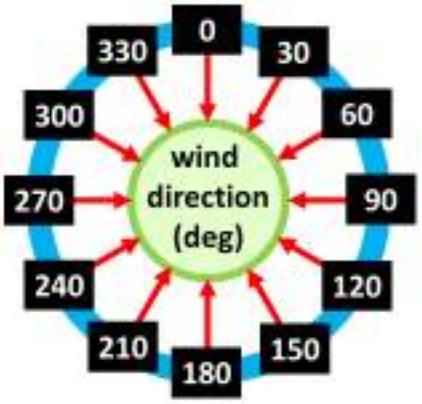
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 14 0 0
File ending time: 10 8 16 0 0

Profile Time: 10 8 14 23 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1013	0	1012	2E-3	29.9	76.8	6.6	1.4	1013	224	17.7	0.25	0	28.6	960

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1010	29.0	8.3	1.7	1.8	18.7	0.45	301.3	272.1	8.4
1006	28.8	8.4	1.8	0	18.5	0.58	301.5	271.4	8.6
1001	28.2	8.2	1.9	3.5	18.4	0.58	301.3	270.6	8.5
996	27.8	8.3	1.7	3.5	18.3	0.70	301.3	272.0	8.5
991	27.4	8.4	1.7	3.5	18.2	0.70	301.3	272.1	8.6
986	27.0	8.4	1.9	5.3	18.1	0.70	301.4	271.2	8.6
980	26.6	8.6	1.9	7.0	18.1	0.70	301.4	271.4	8.8
975	26.1	8.6	1.8	7.0	17.9	0.70	301.4	271.9	8.8
970	25.5	8.7	1.9	10.5	17.8	0.70	301.3	271.6	8.9
964	25.0	8.6	2.0	10.5	17.9	0.70	301.3	270.6	8.8
958	24.5	8.6	1.8	10.5	17.9	0.70	301.3	271.8	8.8
952	23.9	8.6	1.8	12.0	17.7	0.70	301.3	272.2	8.8
946	23.5	8.9	1.9	10.7	16.9	0.70	301.4	271.7	9.1
939	23.3	10.1	1.2	10.5	16.1	0.70	301.9	276.9	10.2
932	23.0	11.4	0.29	10.5	15.7	0.20	302.2	282.4	11.4
924	22.5	11.6	0.16	10.0	15.5	0.20	302.4	283.1	11.6
915	22.1	11.5	0.51	8.1	15.1	0.20	302.8	281.3	11.5
894	20.8	11.6	0.84	9.3	14.3	0.20	303.5	279.7	11.6
867	19.3	11.7	1.0	7.0	13.4	0.20	304.7	278.7	11.7
836	17.6	11.5	1.1	0	12.6	0.20	306.0	278.4	11.6
802	15.8	10.8	0.82	-3.7	11.6	0.20	307.7	279.5	10.8
766	13.8	9.9	0.69	-3.9	10.5	0.20	309.7	279.9	9.9
727	11.3	8.7	1.1	-5.4	9.3	0.20	311.6	276.8	8.7
686	8.6	8.2	0.98	-5.9	8.1	0.20	313.8	277.1	8.2
643	5.5	7.9	2.3	0	6.7	0.20	316.2	267.8	8.2
596	1.0	7.3	2.2	0	5.8	0.20	317.8	267.4	7.6
549	-0.71	5.6	2.6	-14.1	6.6	0.20	323.5	259.0	6.2
500	-4.8	4.4	3.8	-14.1	5.4	0.20	327.2	243.1	5.8
451	-9.5	1.8	4.5	0	3.9	0.20	331.0	215.9	4.8
402	-15.1	1.0	2.6	0	2.7	0.21	335.0	214.9	2.8
352	-22.3	-0.72	1.2	10.9	1.4	0.20	338.2	162.9	1.4
304	-30.4	-1.4	-2.9	0	0.60	0.20	341.4	40.2	3.2
259	-39.3	-2.1	-2.7	0	0.22	0.20	344.2	52.0	3.4
220	-48.5	-2.9	-2.5	0	1E-1	0.20	346.5	63.8	3.8
182	-59.9	-1.4	-1.8	3.5	3E-2	0.20	346.9	51.1	2.2
138	-74.2	-9.6	-0.90	1.2	1E-2	0.20	350.8	98.5	9.6
88	-65.5	-10.2	-0.35	-0.87	1E-2	0.20	416.3	101.9	10.2
63	-60.1	-13.2	-4.6	-0.20	1E-2	0.20	470.2	84.6	14.0
38	-47.3	-24.4	-6.0	0.35	3E-2	0.20	576.9	90.1	25.2



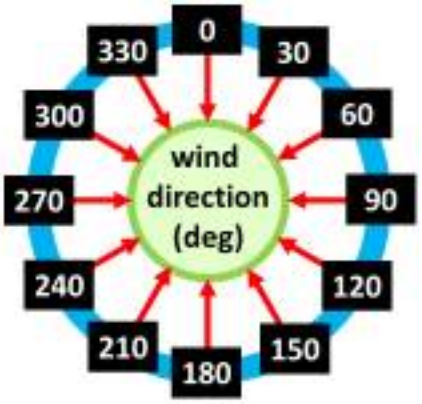
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 14 0 0
File ending time: 10 8 16 0 0

Profile Time: 10 8 15 0 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1012	0	1013	2E-3	29.9	74.8	5.5	1.3	1012	168	9.8	0.18	0	16.1	831

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1009	29.3	7.1	1.6	0	18.5	0.45	301.6	271.2	7.3
1005	28.9	7.0	1.4	1.1	18.3	0.45	301.6	272.7	7.1
1000	28.4	7.0	1.4	3.5	18.1	0.45	301.6	272.2	7.2
995	28.0	7.2	1.4	3.5	18.1	0.45	301.6	272.7	7.3
990	27.4	6.9	1.6	7.0	18.0	0.45	301.4	270.9	7.1
985	27.1	7.4	1.5	7.0	17.9	0.45	301.6	272.2	7.6
980	26.7	7.3	1.6	7.0	18.0	0.45	301.6	271.1	7.4
974	26.0	7.4	1.5	5.8	17.9	0.57	301.4	272.3	7.6
969	25.5	7.4	1.6	9.5	17.8	0.45	301.4	271.3	7.5
963	25.0	7.4	1.8	8.8	17.7	0.57	301.4	270.4	7.6
957	24.6	7.7	1.2	9.9	17.7	0.57	301.5	274.6	7.8
951	24.0	7.2	1.7	10.6	17.6	0.57	301.5	270.5	7.4
945	23.4	7.4	1.6	10.2	17.3	0.75	301.4	271.7	7.6
938	23.2	8.3	0.96	7.0	16.2	0.75	301.9	277.3	8.3
931	22.9	9.2	-0.33	7.0	15.7	0	302.2	285.9	9.2
923	22.6	10.1	-0.20	10.5	15.4	0	302.6	285.0	10.1
915	22.1	10.2	0	10.5	15.1	0	302.9	283.9	10.2
893	20.9	10.4	0.31	7.0	14.3	0	303.7	282.2	10.4
866	19.4	10.7	0.49	3.5	13.5	0.20	304.9	281.3	10.7
836	17.8	10.3	0	0	12.5	0.20	306.3	283.9	10.3
802	15.9	9.4	0	0	11.6	0.20	307.9	283.9	9.4
765	13.8	8.9	0	-7.0	10.5	0.20	309.8	283.9	8.9
727	11.3	8.4	0	-7.0	9.3	0.20	311.7	283.9	8.4
686	8.5	8.1	0.43	-14.1	8.1	0.20	313.7	280.9	8.1
642	5.4	8.4	1.2	-14.1	6.8	0.20	316.1	275.6	8.4
596	2.0	7.0	2.1	-21.1	5.5	0.20	319.1	266.9	7.3
548	-0.80	6.0	2.1	-21.1	6.1	0.20	323.4	264.7	6.4
500	-5.1	3.7	4.1	-7.0	5.2	0.20	326.9	236.0	5.6
451	-9.4	2.0	5.2	3.6	3.2	0.20	331.2	214.9	5.6
401	-15.1	1.1	2.8	0	2.4	0.20	335.1	216.4	3.0
352	-22.0	-0.49	1.9	7.0	1.2	0.20	338.7	179.2	1.9
303	-30.5	-1.4	-2.6	3.5	0.59	0.20	341.4	42.5	3.0
259	-39.3	-2.5	-3.7	2.9	0.23	0.20	344.3	47.9	4.4
220	-48.5	-2.7	-2.7	3.5	1E-1	0.20	346.5	59.3	3.9
182	-59.8	-0.72	-2.3	3.5	3E-2	0.20	347.1	31.6	2.4
138	-74.2	-8.8	-0.99	0	1E-2	0.20	350.8	97.5	8.9
88	-65.8	-10.5	0.33	0	1E-2	0.20	415.8	105.7	10.5
63	-60.2	-13.9	-7.3	-0.64	1E-2	0.20	470.2	76.3	15.7
38	-47.4	-23.9	-6.4	0.46	2E-2	0.20	576.8	89.0	24.8



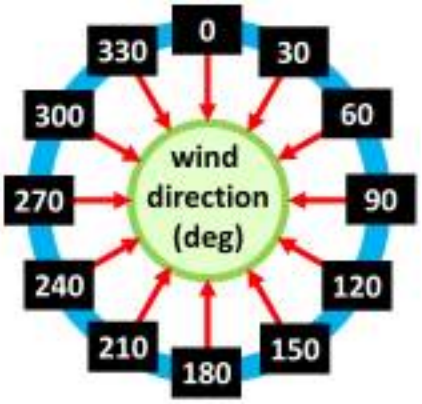
Meteorological Profile: hysplit.t00z.namsf

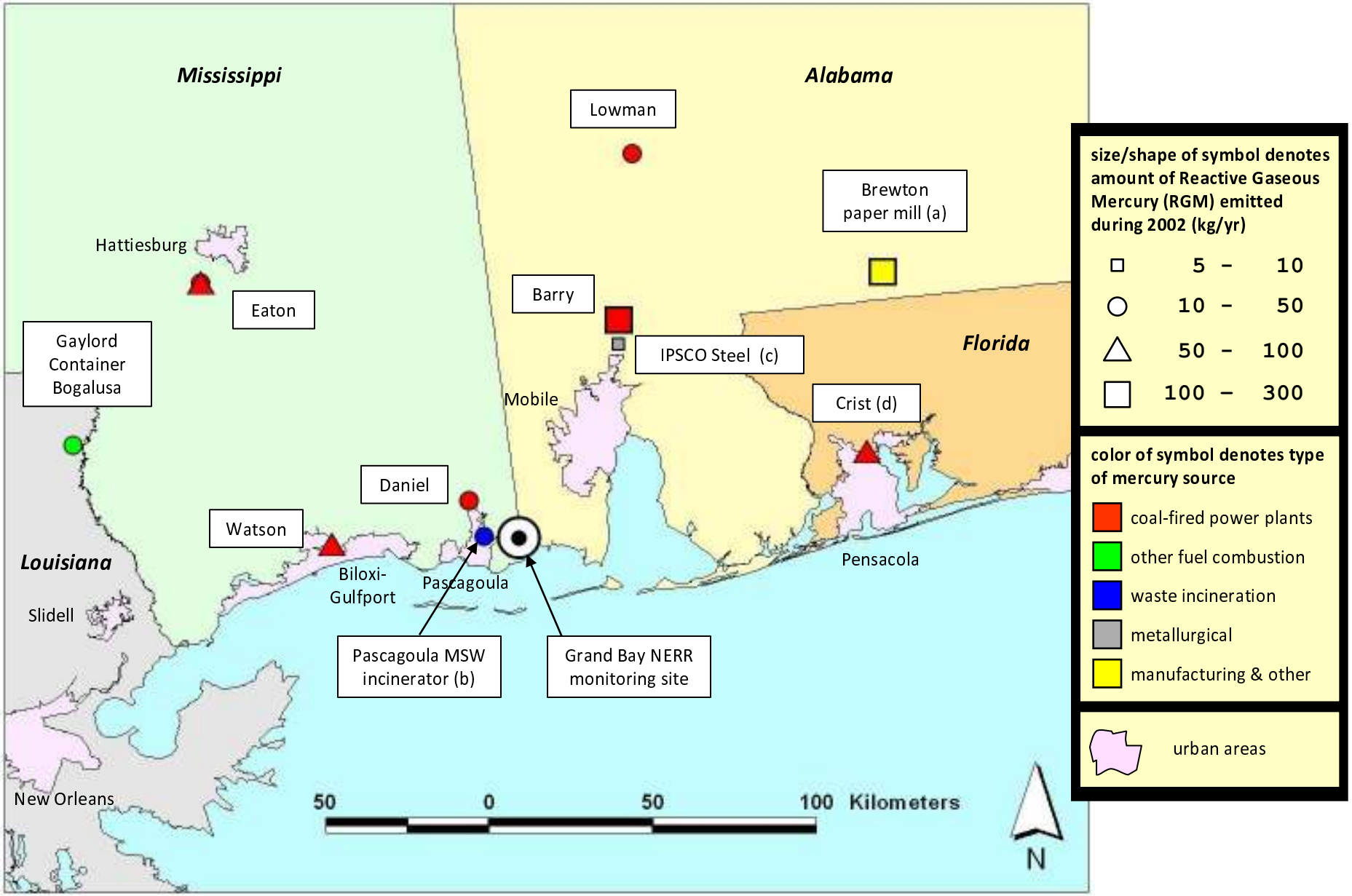
File start time : 10 8 14 0 0
File ending time: 10 8 16 0 0

Profile Time: 10 8 15 1 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1015	0	1013	1E-3	29.9	74.9	4.5	1.6	1015	156	9.6	0.15	0	0	853

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1013	29.3	5.6	1.7	0	18.4	0.33	301.3	267.5	5.9
1008	28.8	5.5	1.8	0	18.2	0.33	301.3	266.0	5.7
1003	28.4	5.6	1.6	3.5	18.1	0.33	301.3	267.4	5.8
998	28.0	5.8	1.8	3.5	18.0	0.33	301.3	266.9	6.0
993	27.6	5.8	1.8	2.7	18.0	0.33	301.4	266.9	6.0
988	27.1	5.8	1.7	2.8	17.9	0.33	301.3	267.5	6.1
983	26.6	5.7	1.6	5.3	17.9	0.45	301.2	268.3	5.9
978	26.2	5.8	1.8	3.5	17.8	0.45	301.3	267.1	6.1
972	25.7	6.0	1.5	5.8	17.8	0.45	301.3	269.5	6.1
966	25.1	5.8	1.6	8.0	17.7	0.45	301.2	268.2	6.1
961	24.5	6.0	1.7	9.1	17.5	0.45	301.1	268.3	6.2
954	24.1	5.9	1.6	8.8	17.5	0.45	301.3	268.3	6.1
948	23.5	6.2	1.5	6.1	17.5	0.33	301.3	270.3	6.3
941	23.4	6.6	1.3	6.7	16.2	0.33	301.7	272.8	6.7
934	22.9	7.0	0.45	3.9	15.7	0.20	301.9	280.2	7.1
926	22.6	7.9	0	4.5	15.5	0.20	302.3	283.9	7.9
918	22.2	7.9	0.13	5.3	15.2	0.20	302.7	282.9	7.9
896	21.0	8.9	0.22	3.5	14.5	0.20	303.5	282.5	8.9
869	19.6	9.1	-0.15	1.9	13.7	0.20	304.7	284.8	9.1
838	17.8	9.0	-0.68	0	12.7	0.20	306.0	288.2	9.0
804	15.9	8.0	-1.3	0	11.8	0.20	307.6	292.9	8.1
768	13.8	8.0	-1.1	-7.0	10.8	0.20	309.4	292.0	8.1
729	11.2	7.9	-0.91	-14.1	9.7	0.20	311.2	290.4	8.0
688	8.4	7.8	-0.29	-14.1	8.5	0.20	313.3	286.0	7.8
644	5.2	7.9	0	-21.1	7.1	0.20	315.7	283.9	7.9
598	1.9	7.8	0.94	-21.1	5.8	0.20	318.6	277.0	7.9
550	-0.90	6.2	2.1	-14.1	6.2	0.20	323.0	265.4	6.5
501	-5.3	3.9	4.0	-7.0	5.2	0.20	326.4	237.7	5.6
452	-9.5	3.1	4.9	0	2.7	0.20	330.8	226.2	5.8
403	-15.1	1.5	2.4	0	2.1	0.20	334.8	225.7	2.8
353	-21.7	-0.36	1.4	0	1.1	0.20	338.7	179.1	1.4
304	-30.5	-1.6	-3.0	0	0.58	0.20	341.0	41.5	3.4
260	-39.4	-3.0	-3.6	0	0.23	0.20	343.8	53.7	4.8
220	-48.6	-3.2	-4.0	0	1E-1	0.20	346.2	52.5	5.1
183	-59.9	-0.90	-2.6	0	3E-2	0.20	346.7	33.0	2.7
138	-74.5	-7.9	-0.53	1.3	1E-2	0.20	350.1	100.0	7.9
88	-66.0	-9.2	0.83	-0.14	1E-2	0.20	415.0	109.0	9.2
63	-61.0	-14.5	-7.5	-0.75	1E-2	0.20	467.9	76.6	16.3
38	-47.1	-23.7	-7.2	0.56	3E-2	0.20	576.9	87.0	24.7

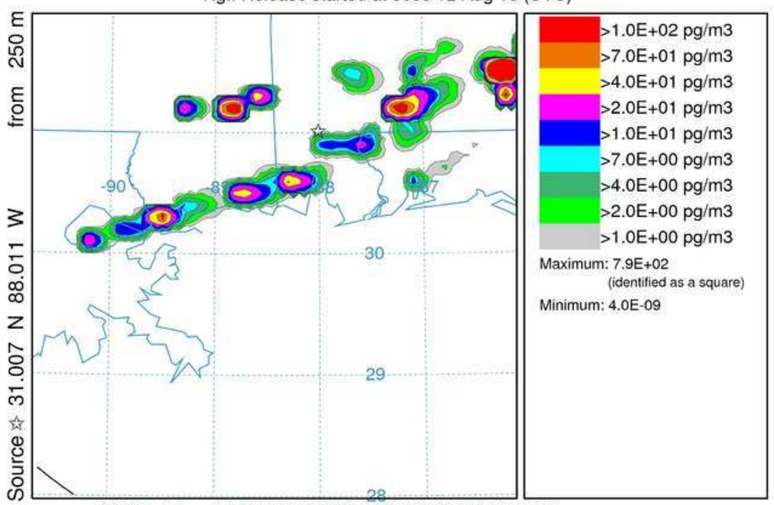




(a) Mercury emissions included in 2002 NEI , but do not appear to be in 2000-2008 TRI
(b) Mercury emissions included in 2002 NEI but incineration ceased in January 2001
(c) Significant mercury emissions in 2002 NEI, but negligible emissions reported in 2008 TRI
(d) Scrubber installed Dec 2009 that reduced RGM emissions dramatically

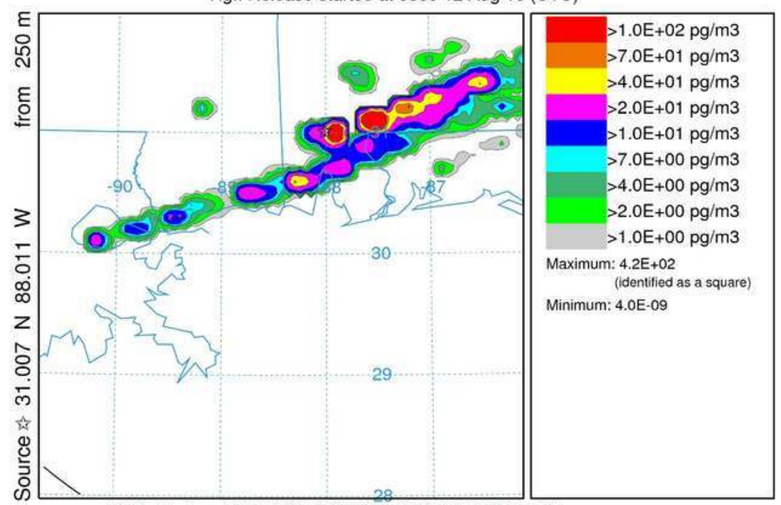
Location of the Grand Bay NERR sampling site, along with large point sources of Reactive Gaseous Mercury in the region, based on the EPA's 2002 National Emissions Inventory

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1300 14 Aug to 1400 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



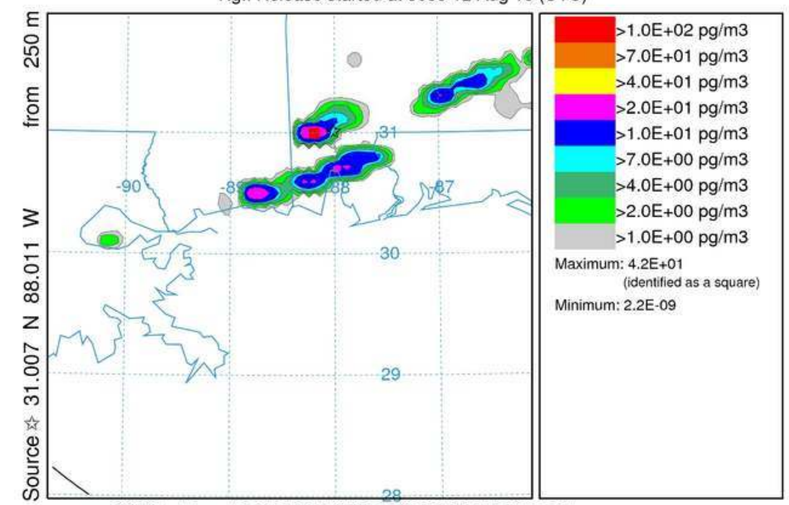
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1300 14 Aug to 1400 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



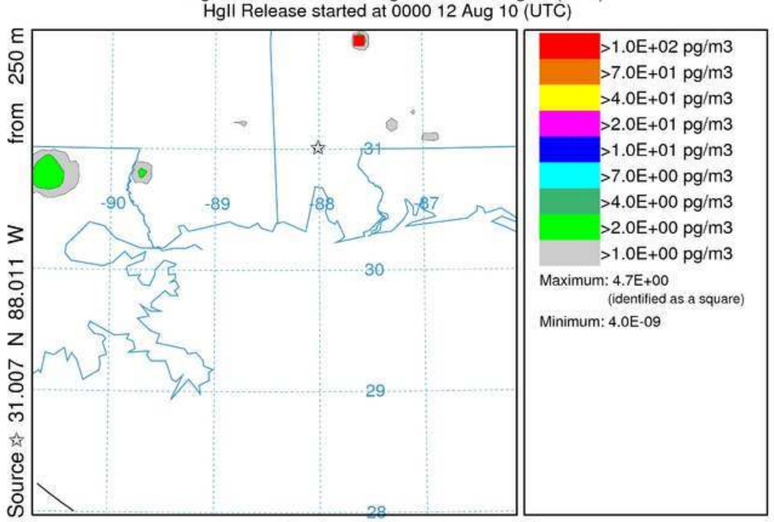
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1300 14 Aug to 1400 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



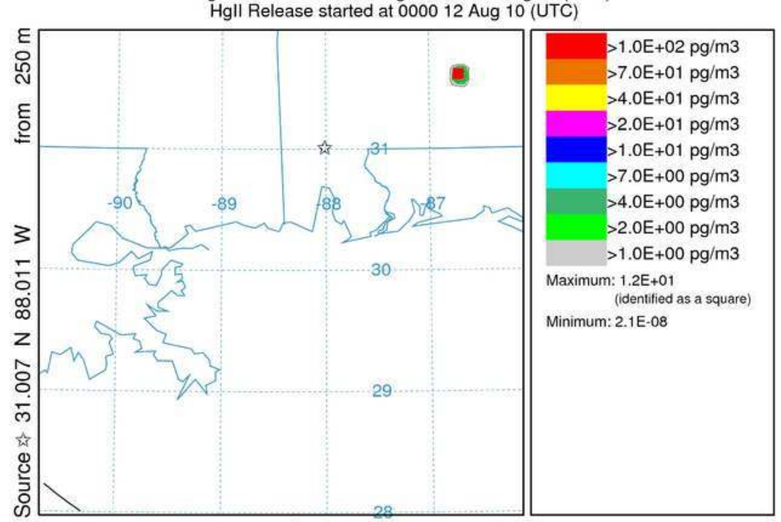
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1300 14 Aug to 1400 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



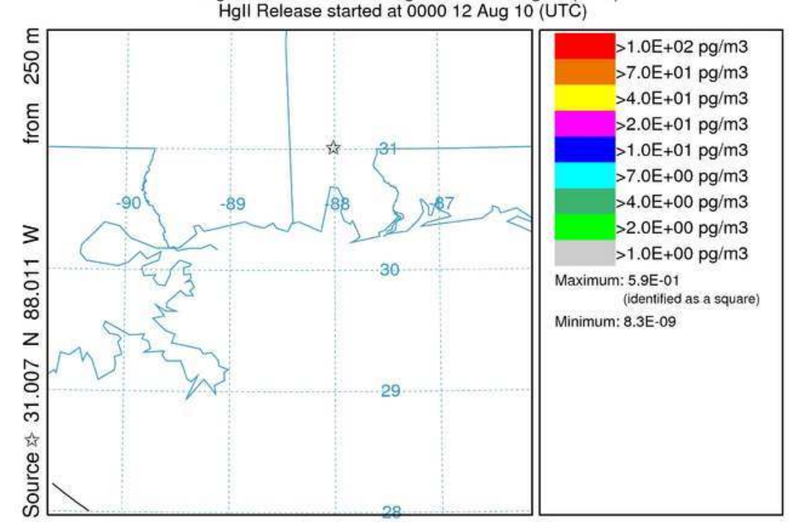
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1300 14 Aug to 1400 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



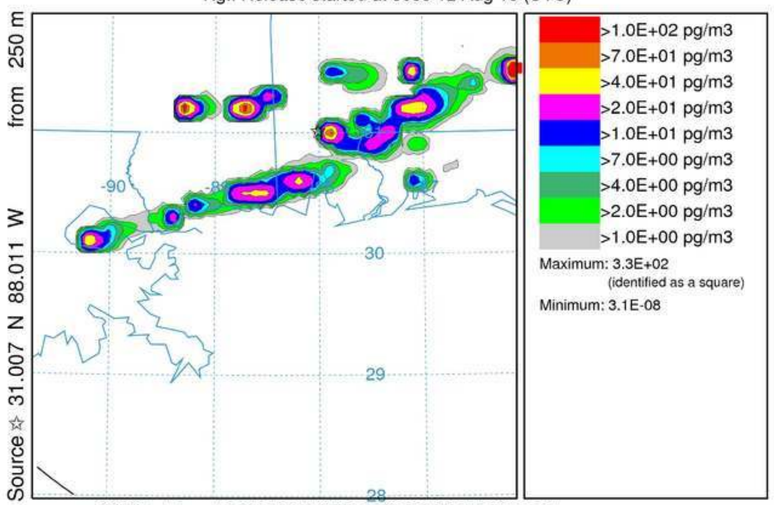
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1300 14 Aug to 1400 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



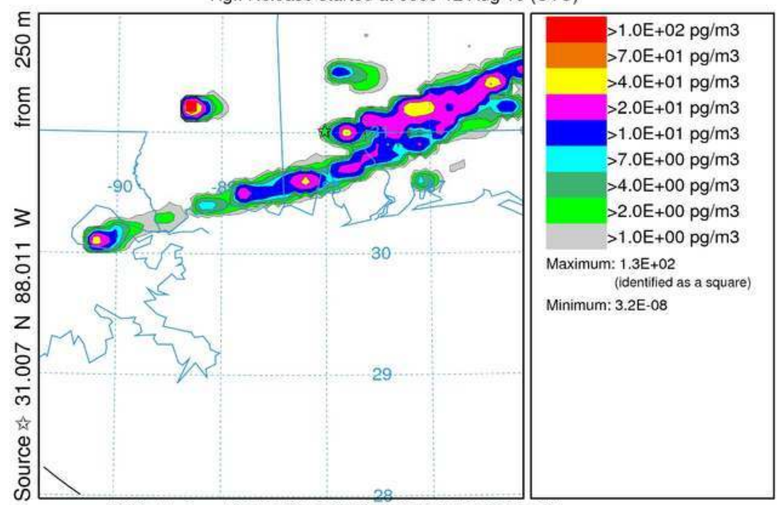
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1400 14 Aug to 1500 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



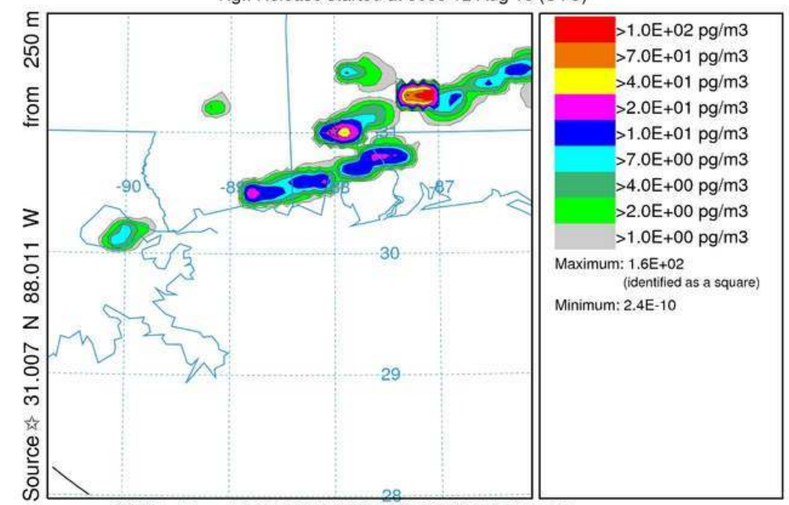
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1400 14 Aug to 1500 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



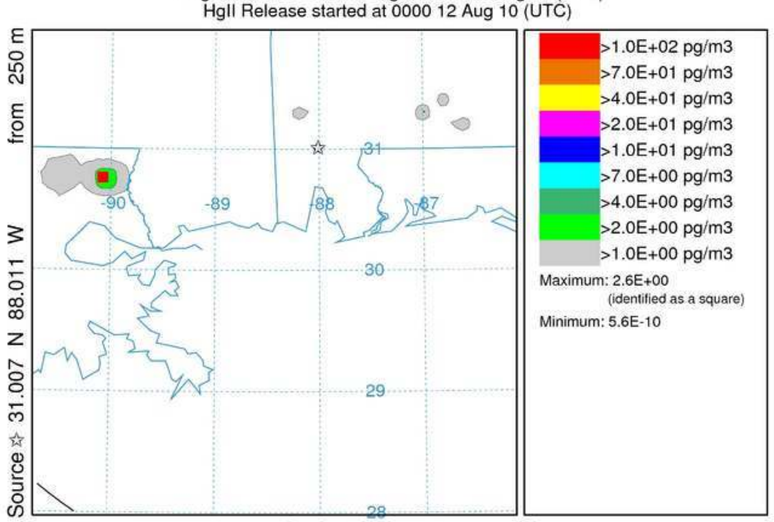
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1400 14 Aug to 1500 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



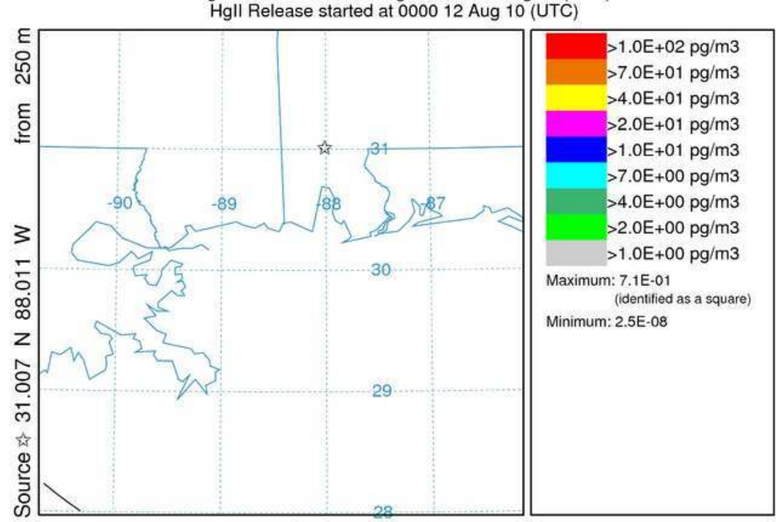
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1400 14 Aug to 1500 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



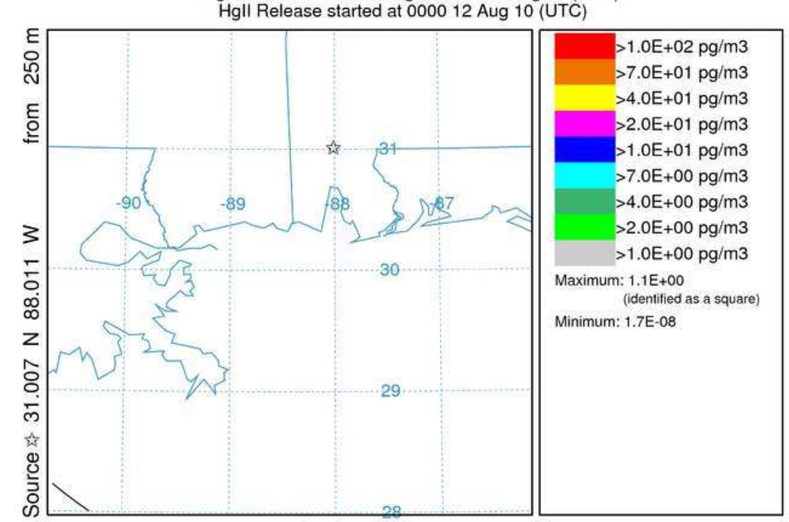
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1400 14 Aug to 1500 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)

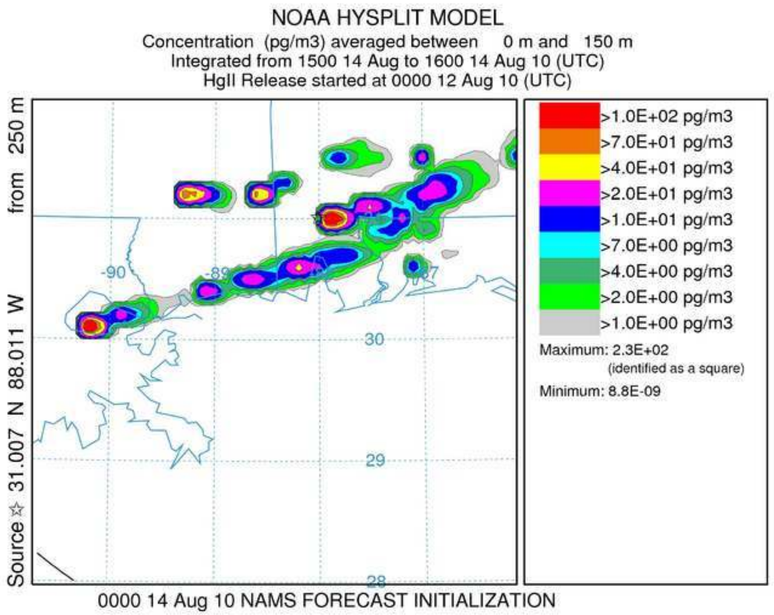


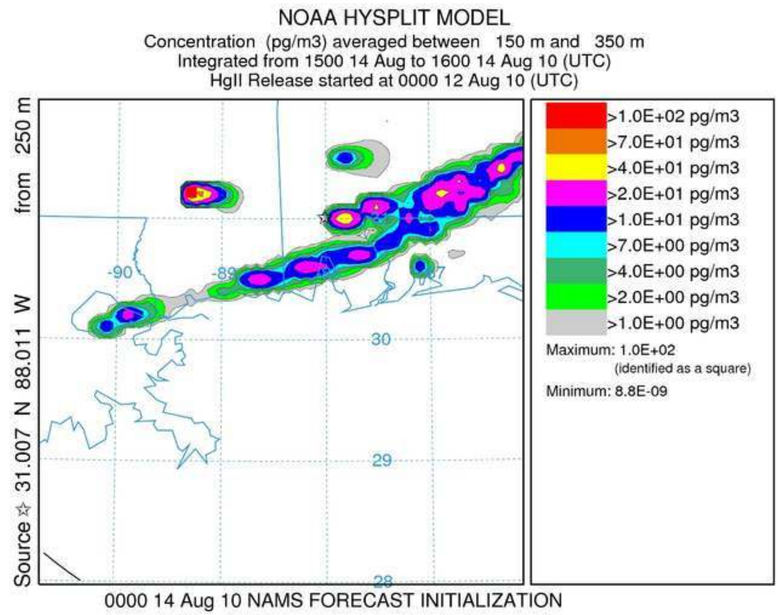
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

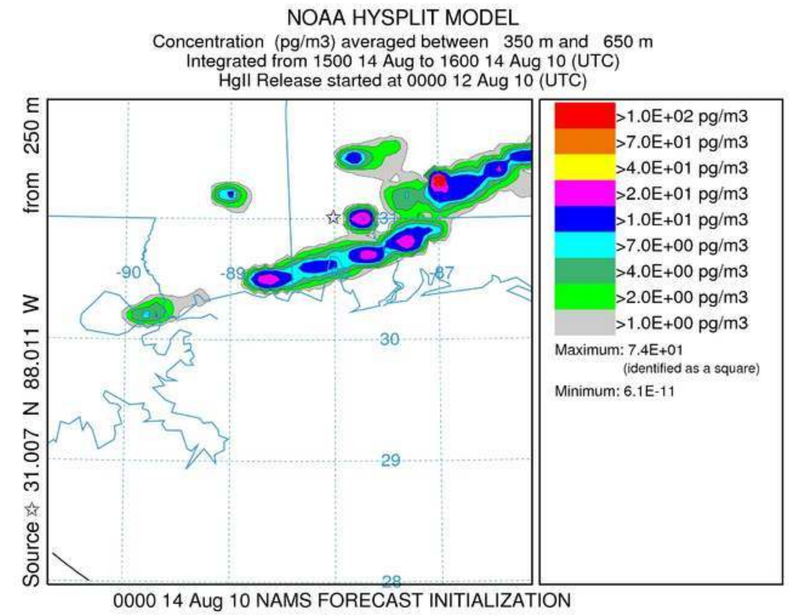
NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1400 14 Aug to 1500 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)

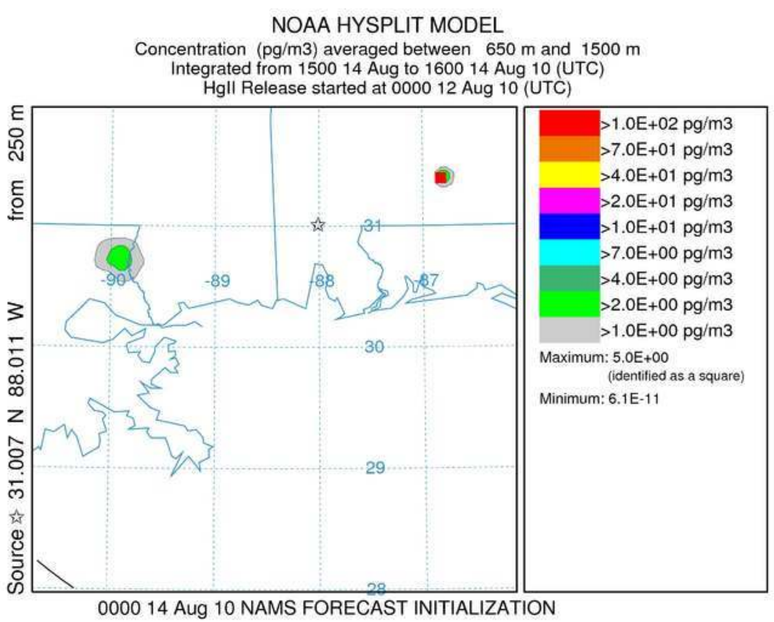


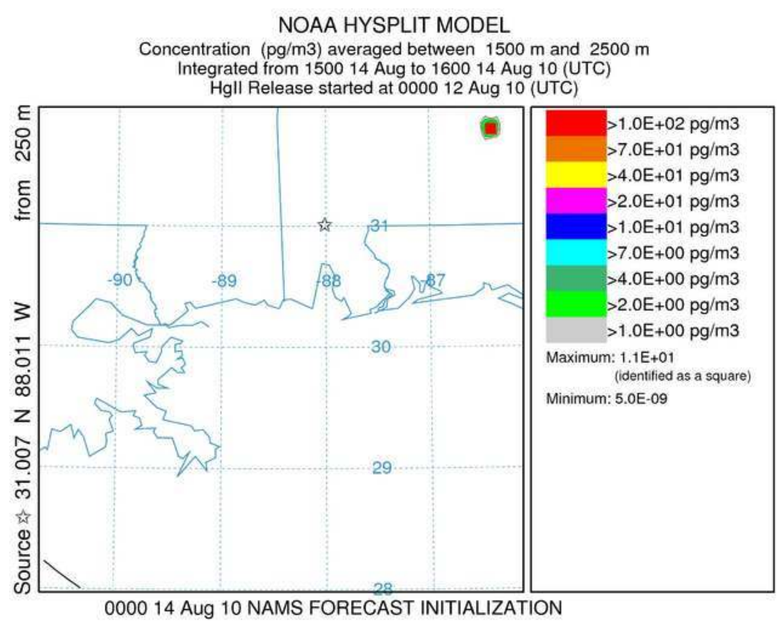
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

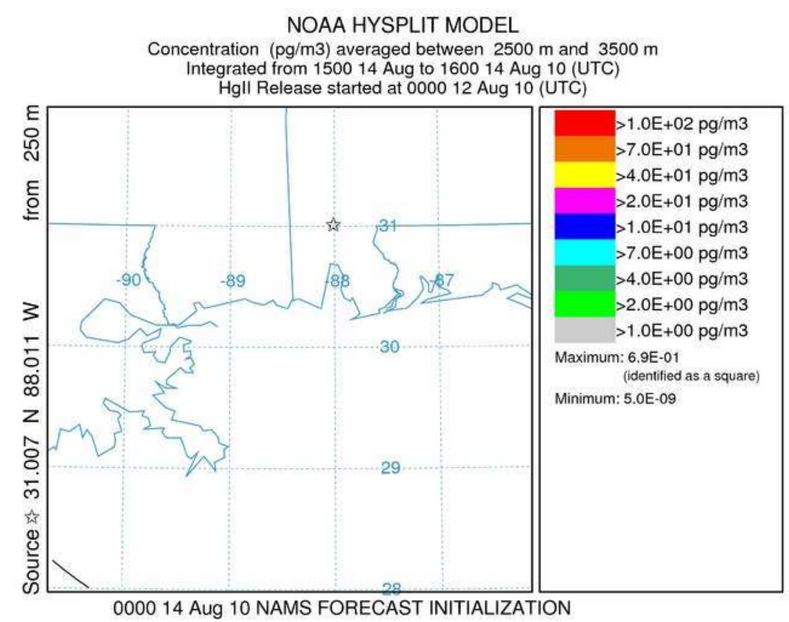

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1500 14 Aug to 1600 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.3E+02
(identified as a square)
Minimum: 8.8E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1500 14 Aug to 1600 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.0E+02
(identified as a square)
Minimum: 8.8E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

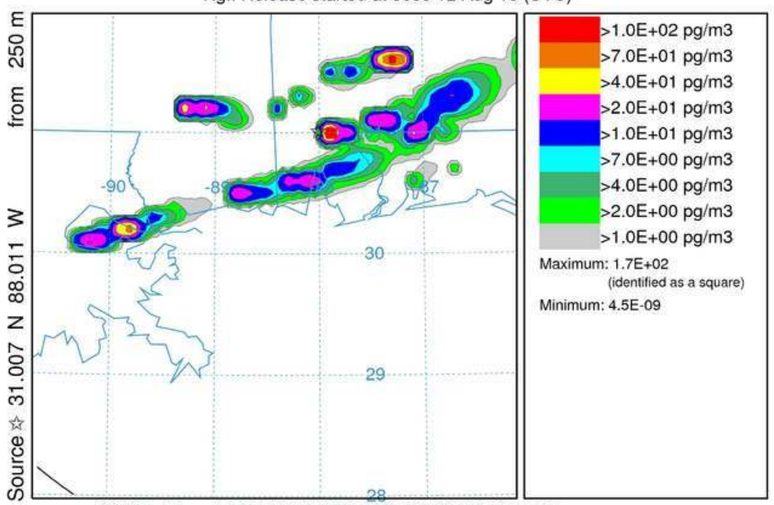

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1500 14 Aug to 1600 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 7.4E+01
(identified as a square)
Minimum: 6.1E-11
0000 14 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1500 14 Aug to 1600 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 5.0E+00
(identified as a square)
Minimum: 6.1E-11
0000 14 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1500 14 Aug to 1600 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.1E+01
(identified as a square)
Minimum: 5.0E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

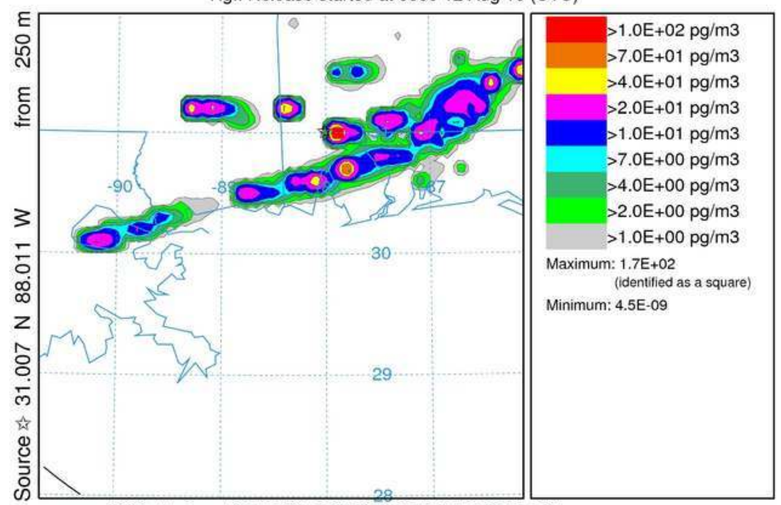

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1500 14 Aug to 1600 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 6.9E-01
(identified as a square)
Minimum: 5.0E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1600 14 Aug to 1700 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



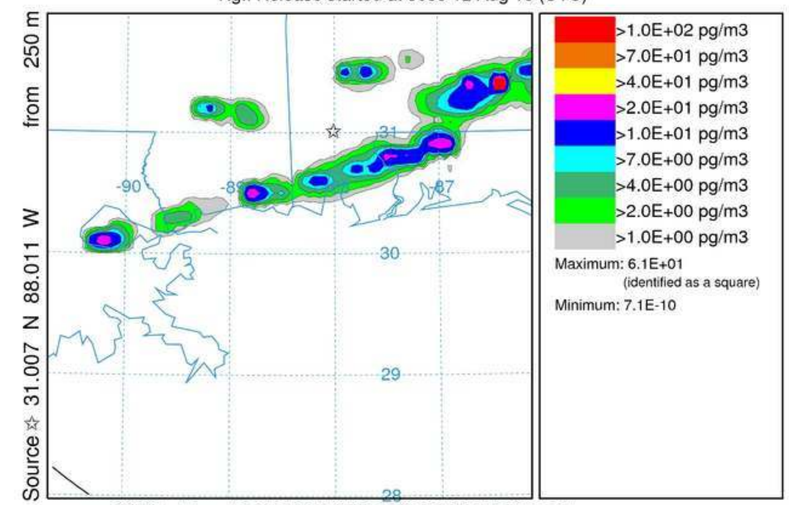
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1600 14 Aug to 1700 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



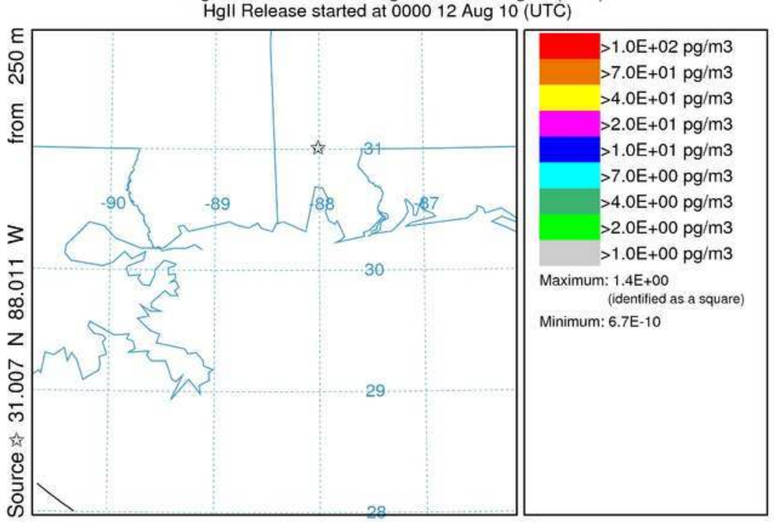
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1600 14 Aug to 1700 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



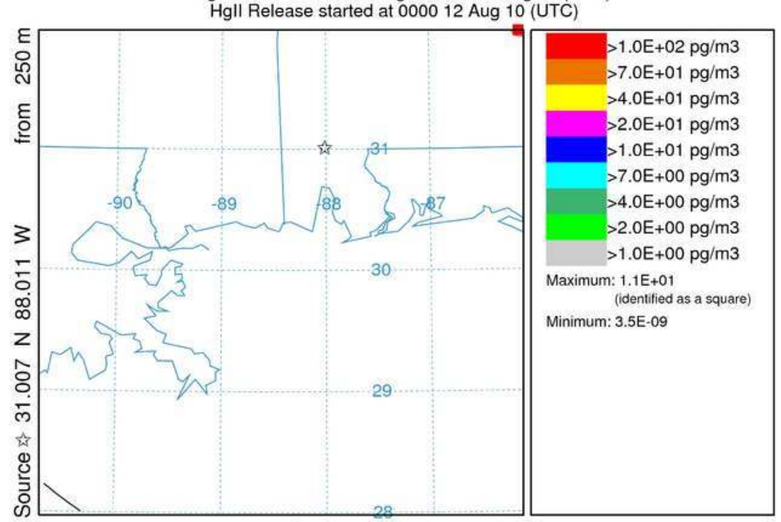
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1600 14 Aug to 1700 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



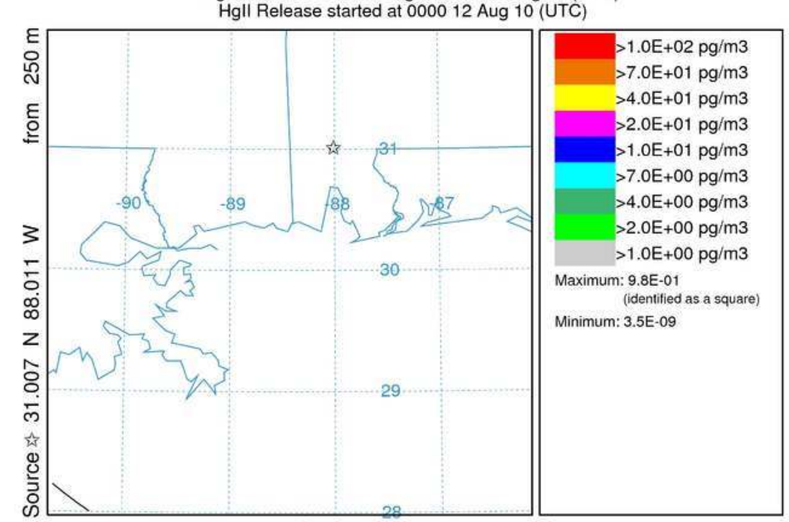
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1600 14 Aug to 1700 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)

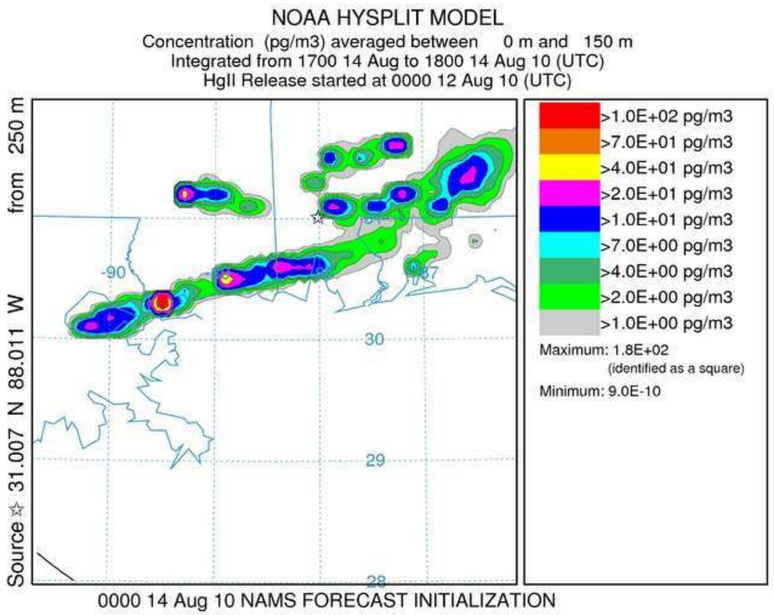


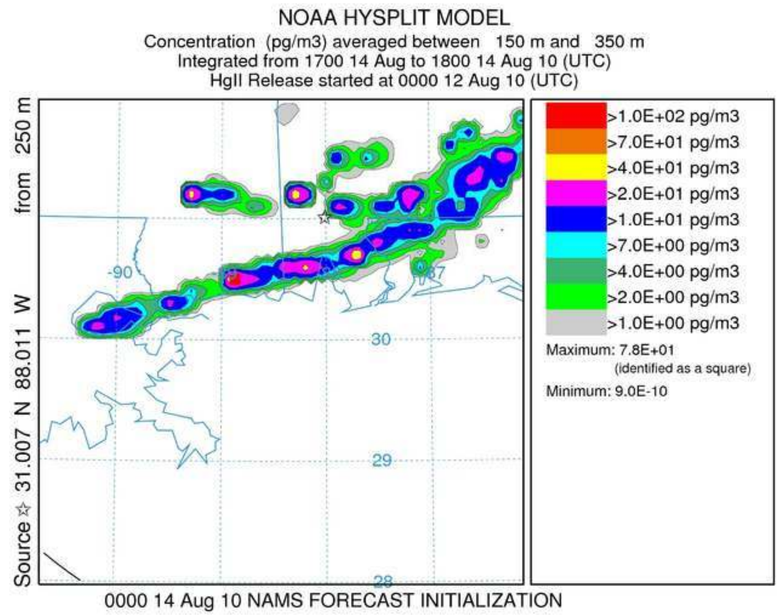
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

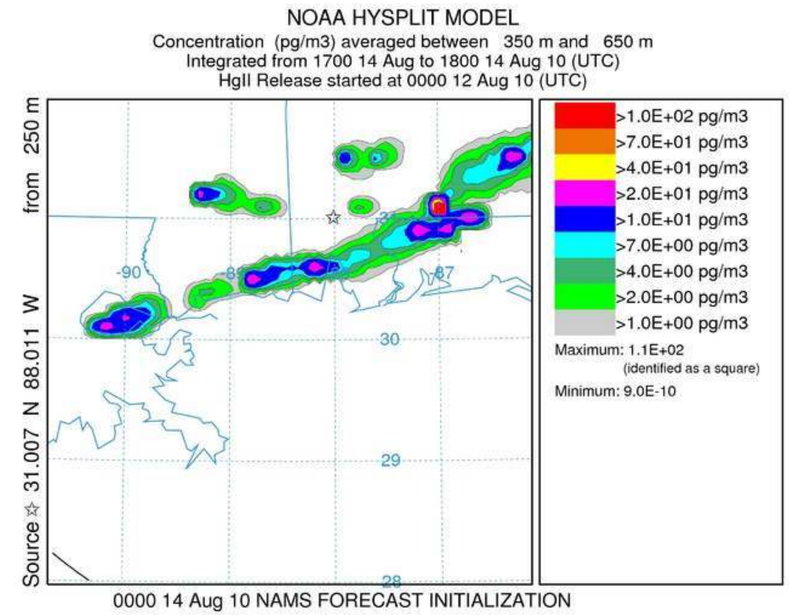
NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1600 14 Aug to 1700 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)

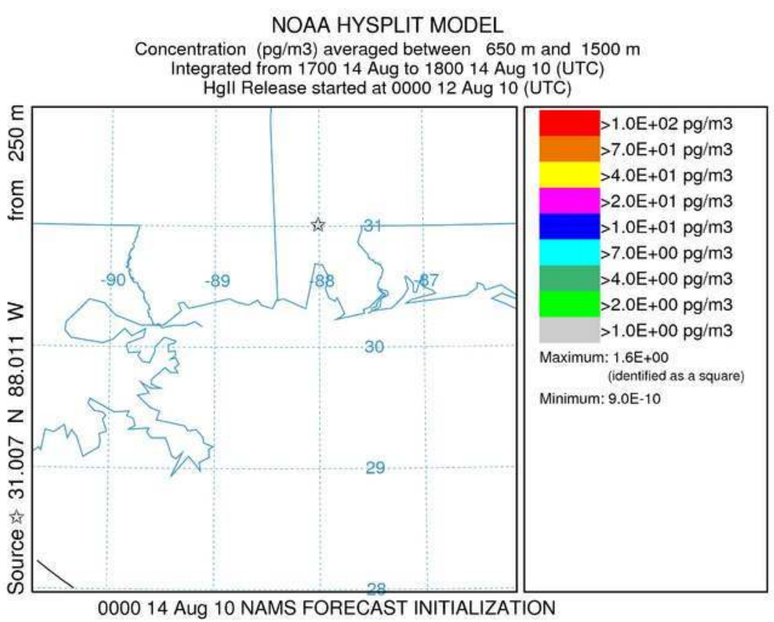


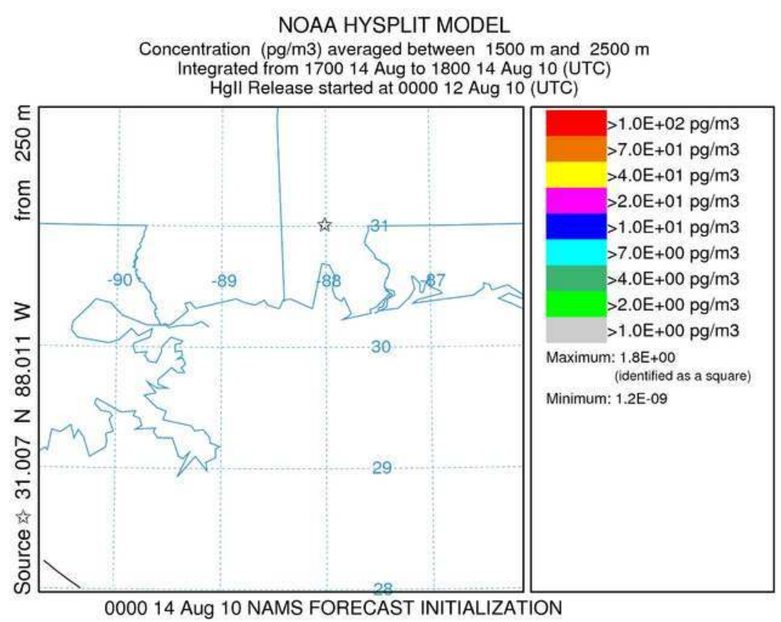
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

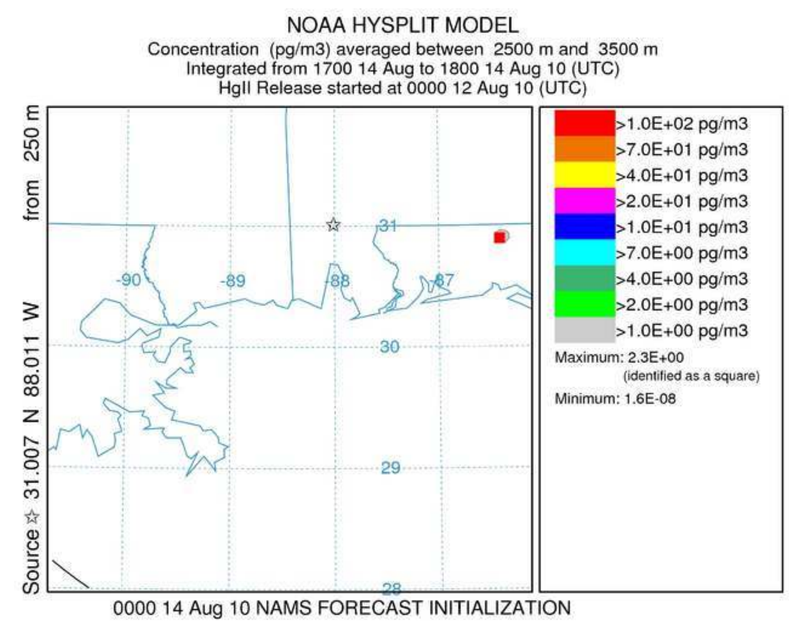

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1700 14 Aug to 1800 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.8E+02
(identified as a square)
Minimum: 9.0E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1700 14 Aug to 1800 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 7.8E+01
(identified as a square)
Minimum: 9.0E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

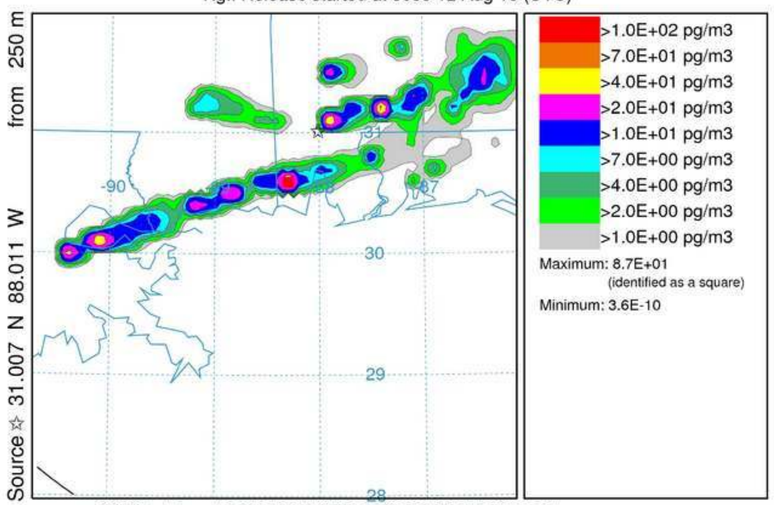

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1700 14 Aug to 1800 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.1E+02
(identified as a square)
Minimum: 9.0E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1700 14 Aug to 1800 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.6E+00
(identified as a square)
Minimum: 9.0E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1700 14 Aug to 1800 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.8E+00
(identified as a square)
Minimum: 1.2E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

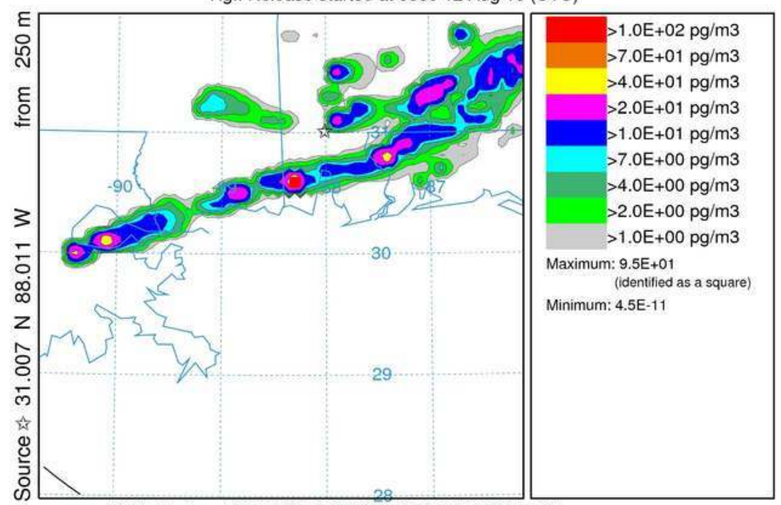

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1700 14 Aug to 1800 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.3E+00
(identified as a square)
Minimum: 1.6E-08
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1800 14 Aug to 1900 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



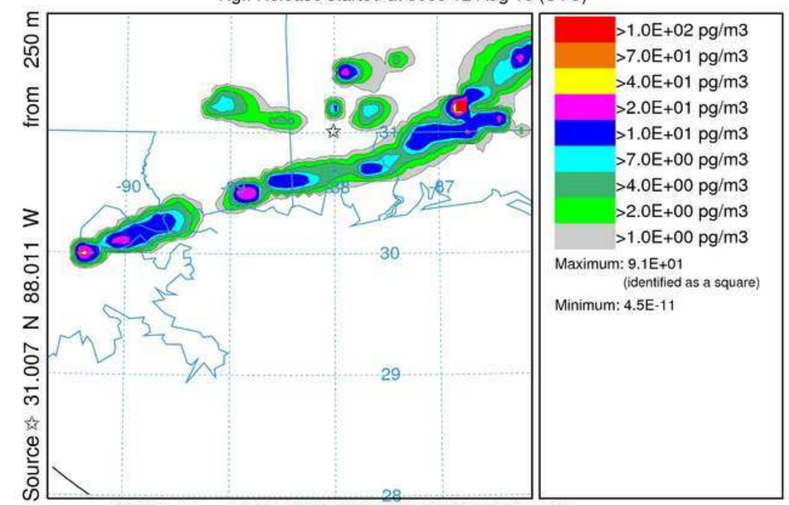
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1800 14 Aug to 1900 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



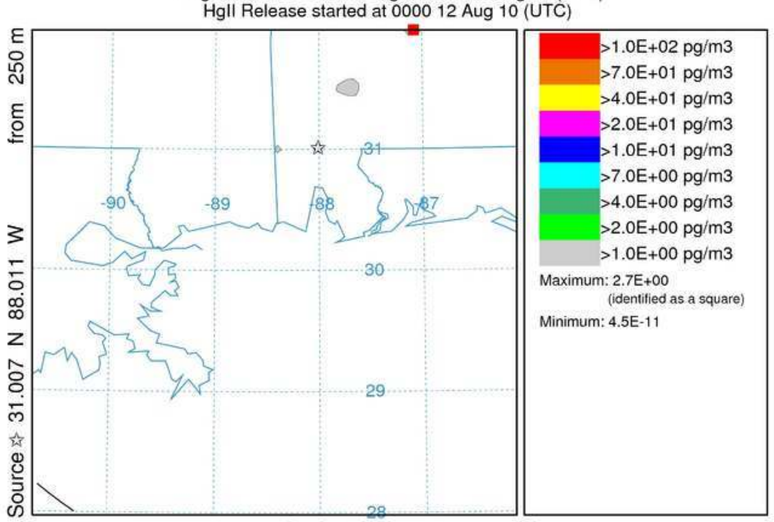
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1800 14 Aug to 1900 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



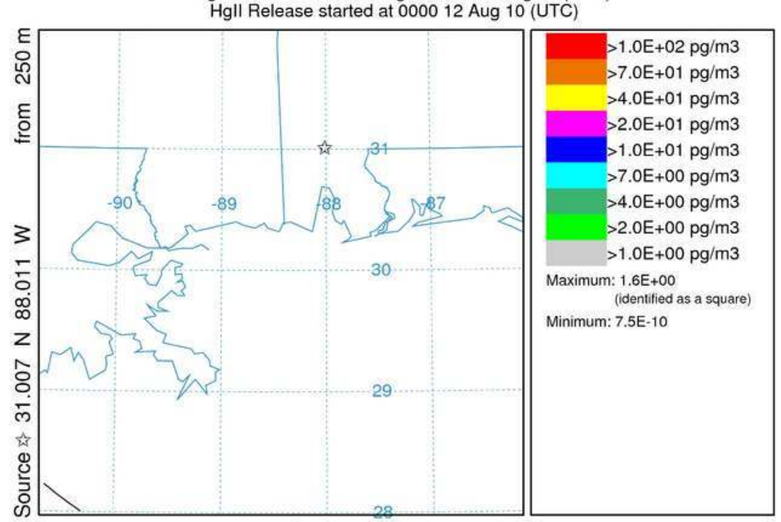
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1800 14 Aug to 1900 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



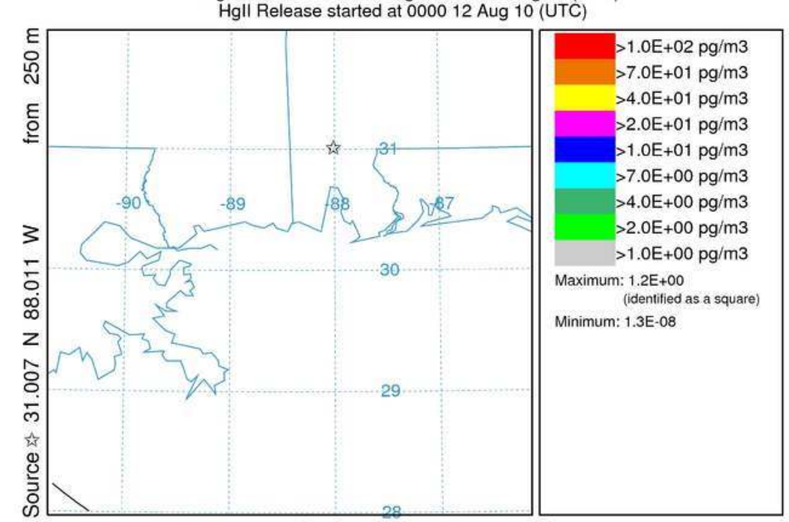
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1800 14 Aug to 1900 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



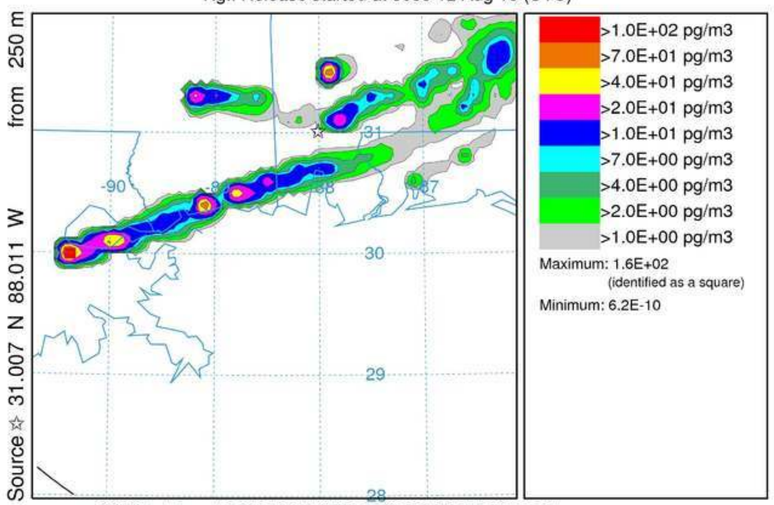
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1800 14 Aug to 1900 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



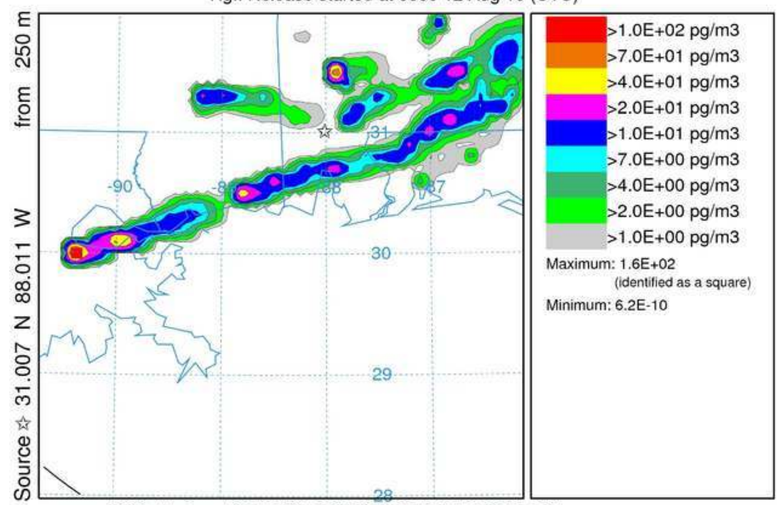
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1900 14 Aug to 2000 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



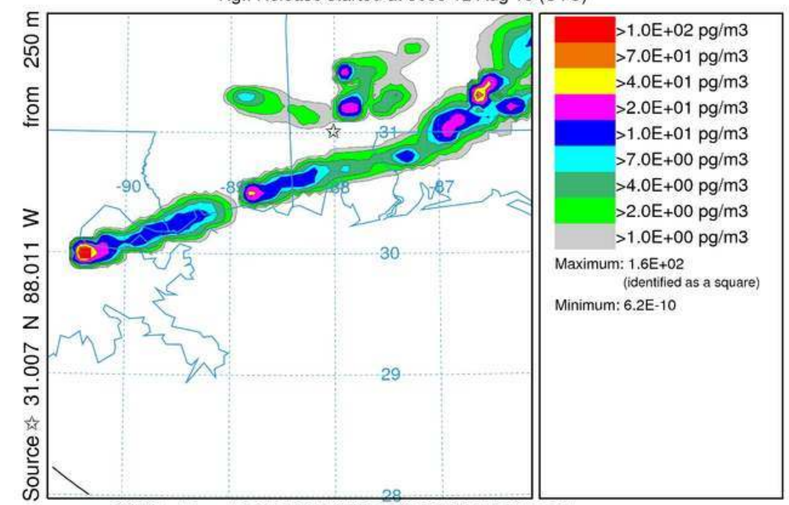
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1900 14 Aug to 2000 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



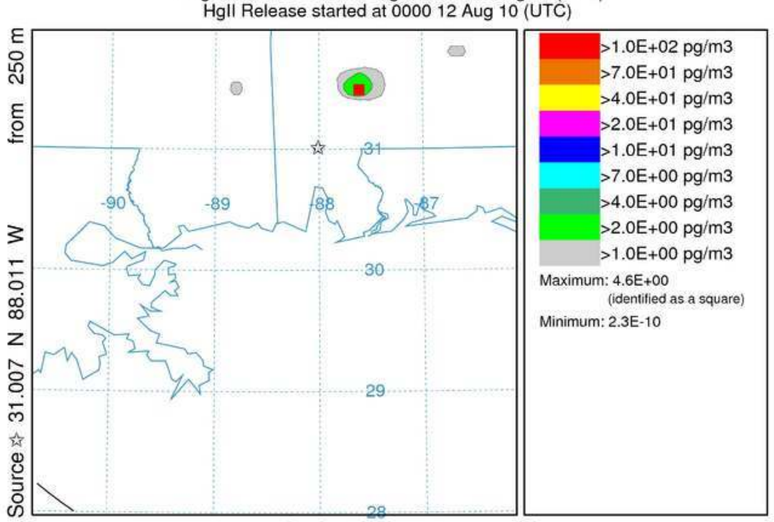
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1900 14 Aug to 2000 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



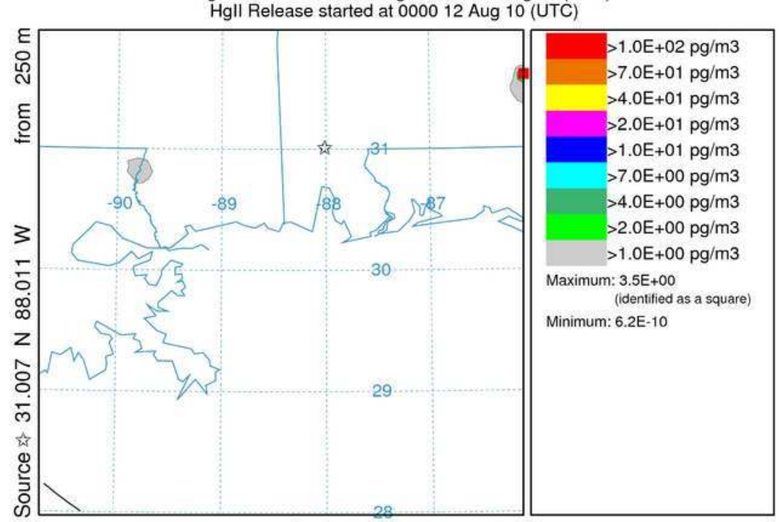
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1900 14 Aug to 2000 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)



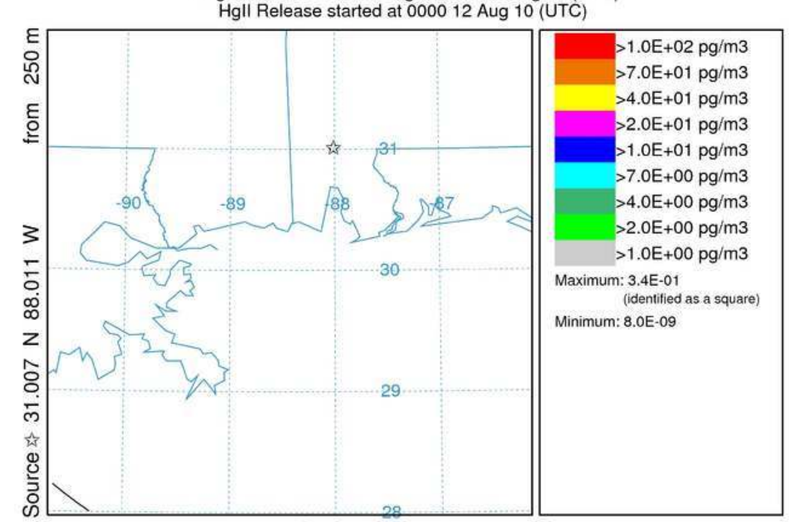
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1900 14 Aug to 2000 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)

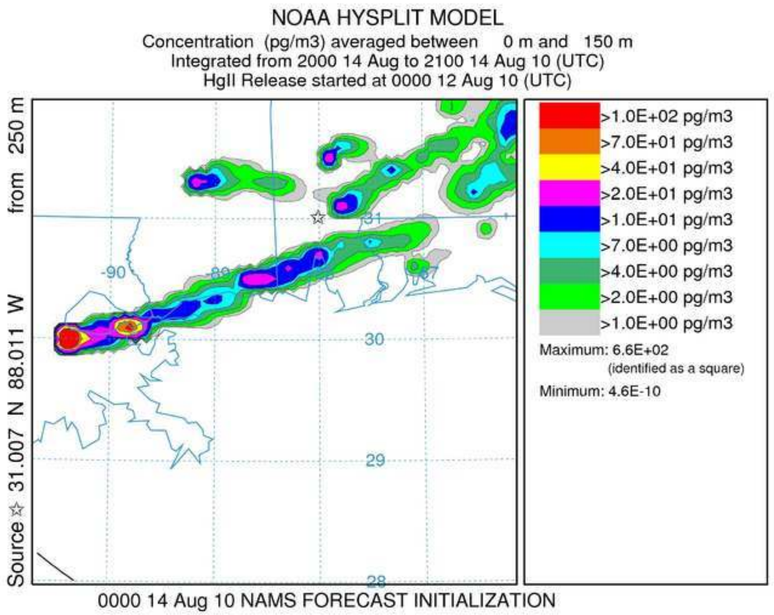


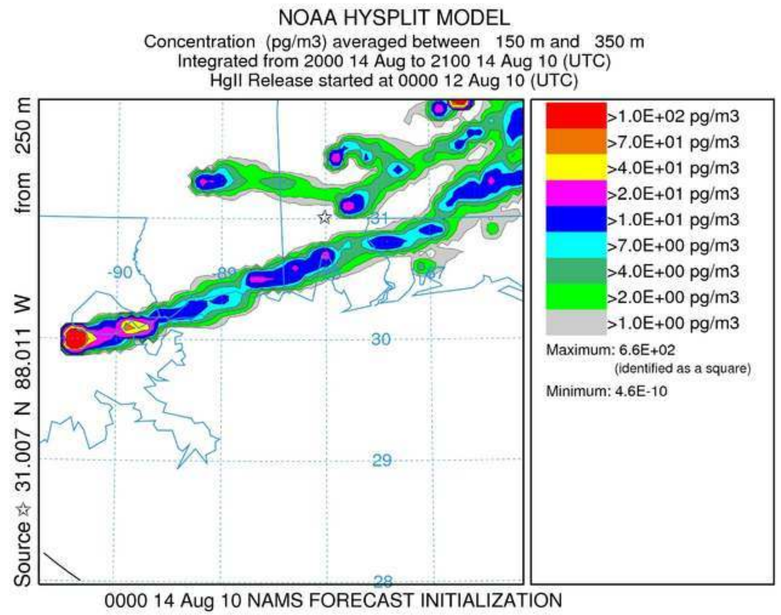
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

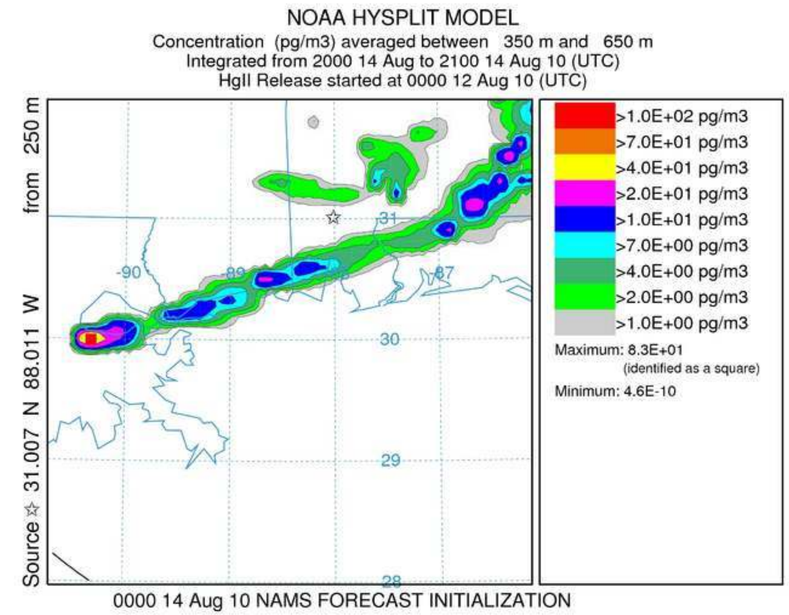
NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1900 14 Aug to 2000 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)

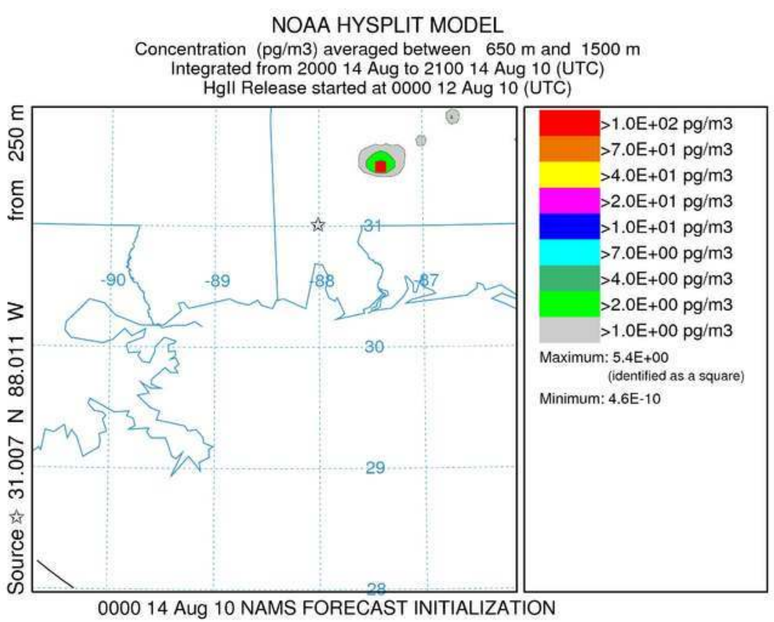


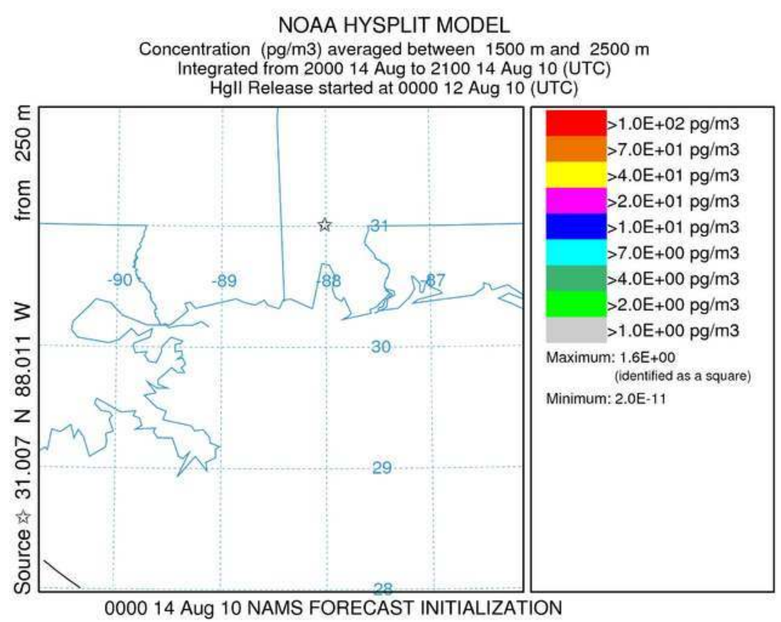
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

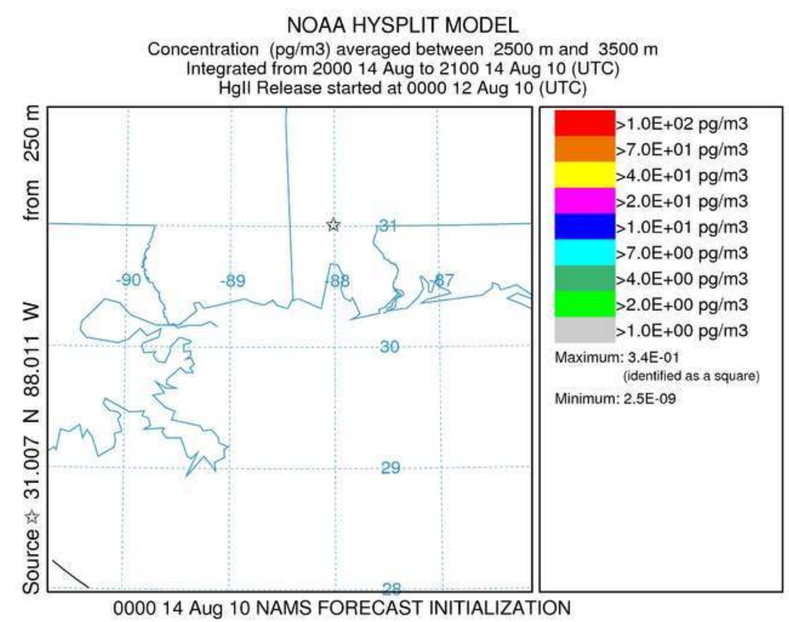

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 2000 14 Aug to 2100 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 6.6E+02
(identified as a square)
Minimum: 4.6E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

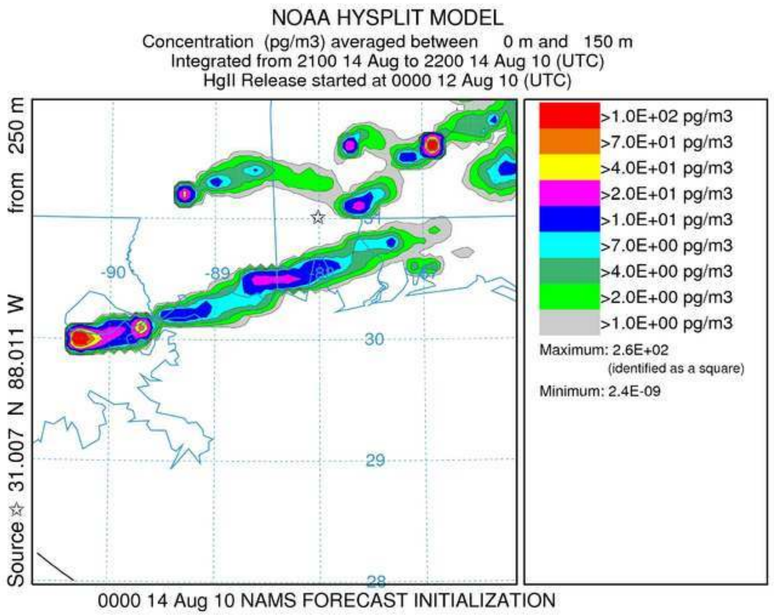

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 2000 14 Aug to 2100 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 6.6E+02
(identified as a square)
Minimum: 4.6E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

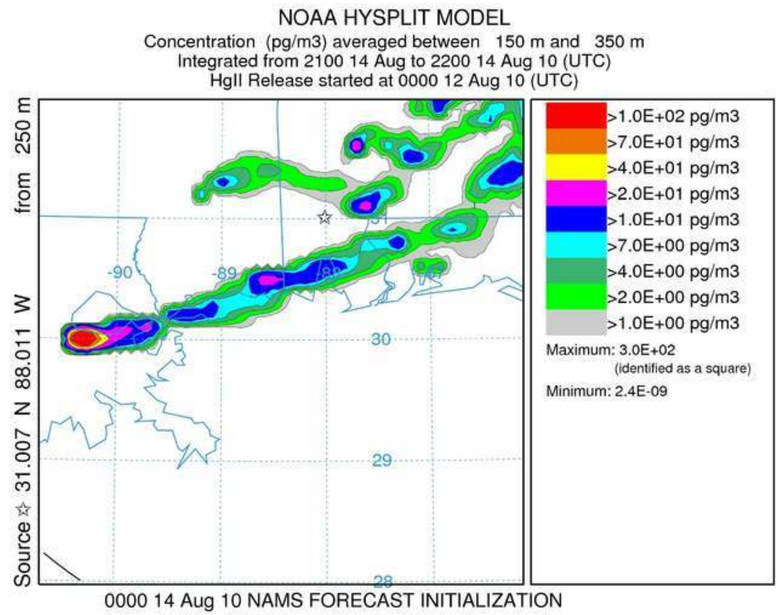

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 2000 14 Aug to 2100 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 8.3E+01
(identified as a square)
Minimum: 4.6E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

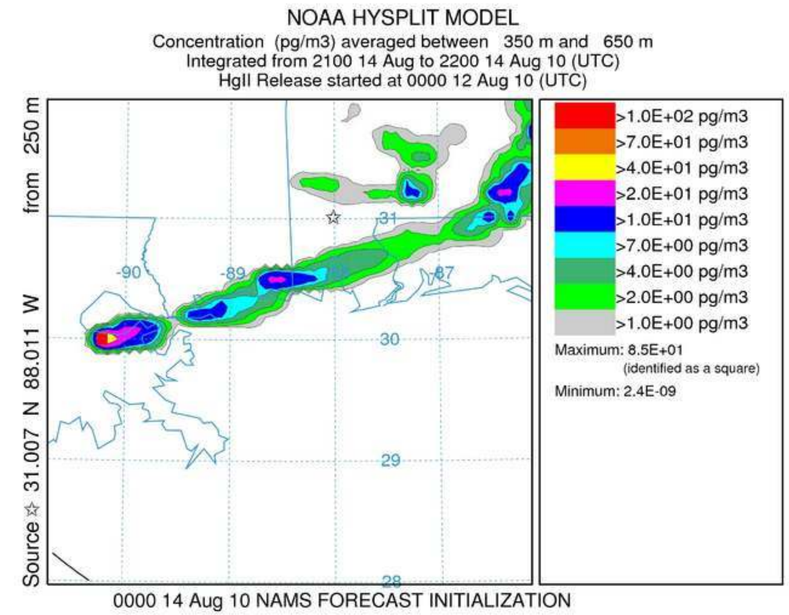

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 2000 14 Aug to 2100 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 5.4E+00
(identified as a square)
Minimum: 4.6E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

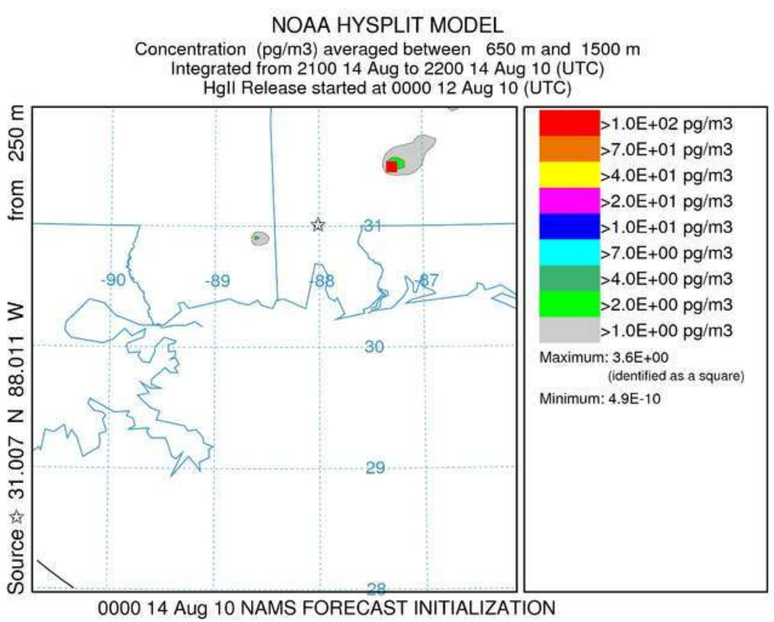

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 2000 14 Aug to 2100 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.6E+00
(identified as a square)
Minimum: 2.0E-11
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

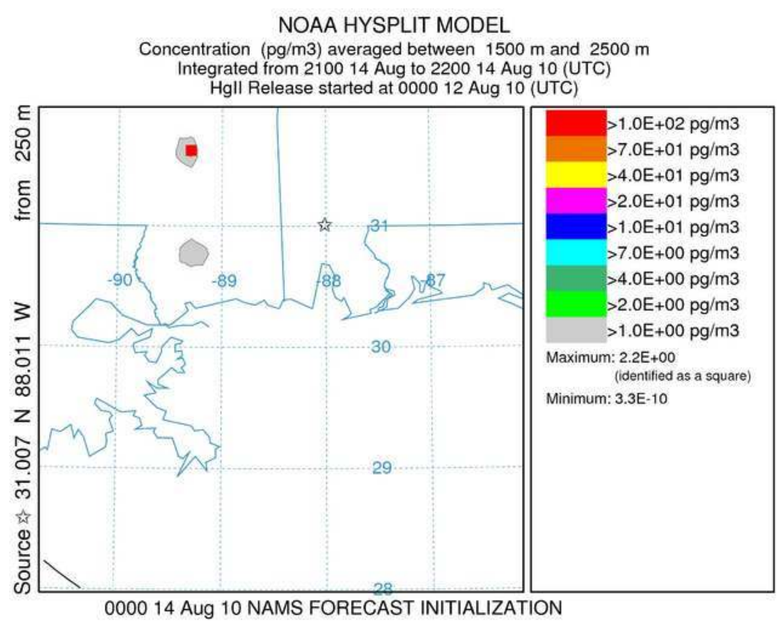

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 2000 14 Aug to 2100 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.4E-01
(identified as a square)
Minimum: 2.5E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

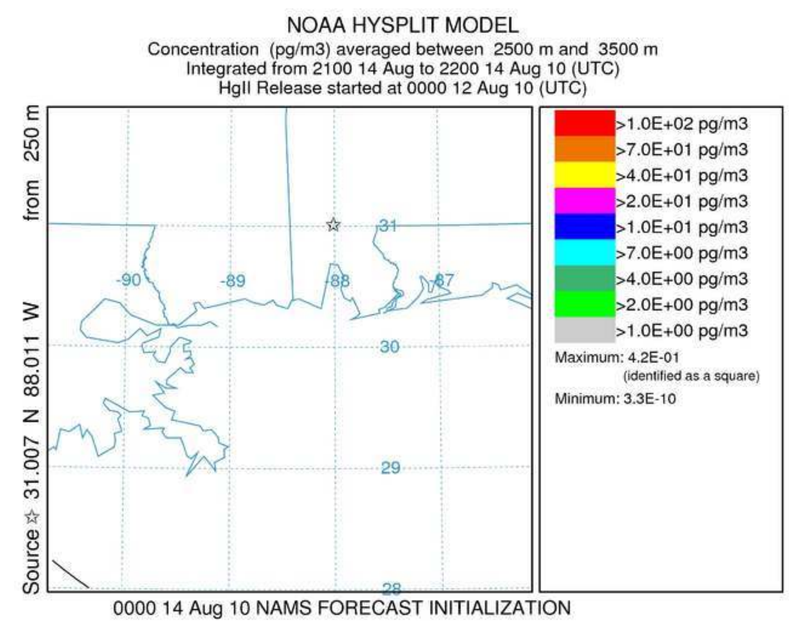

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 2100 14 Aug to 2200 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.6E+02
(identified as a square)
Minimum: 2.4E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

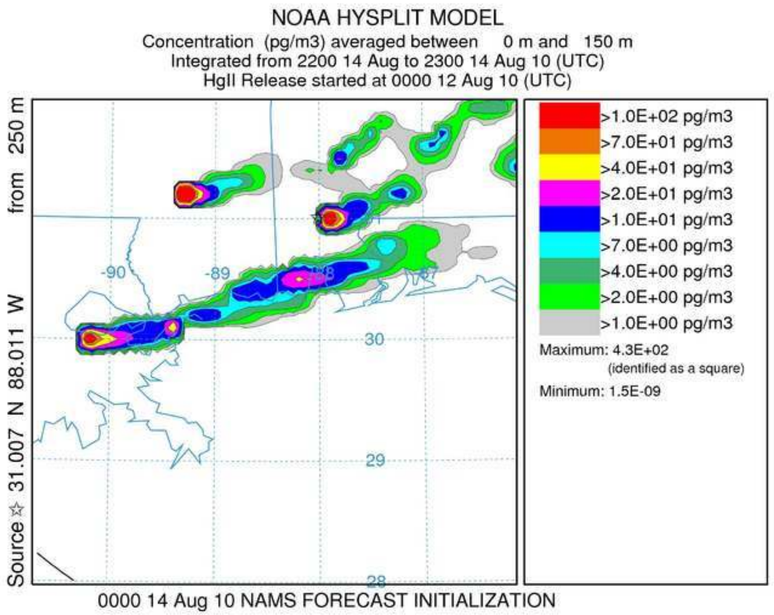

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 2100 14 Aug to 2200 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.0E+02
(identified as a square)
Minimum: 2.4E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

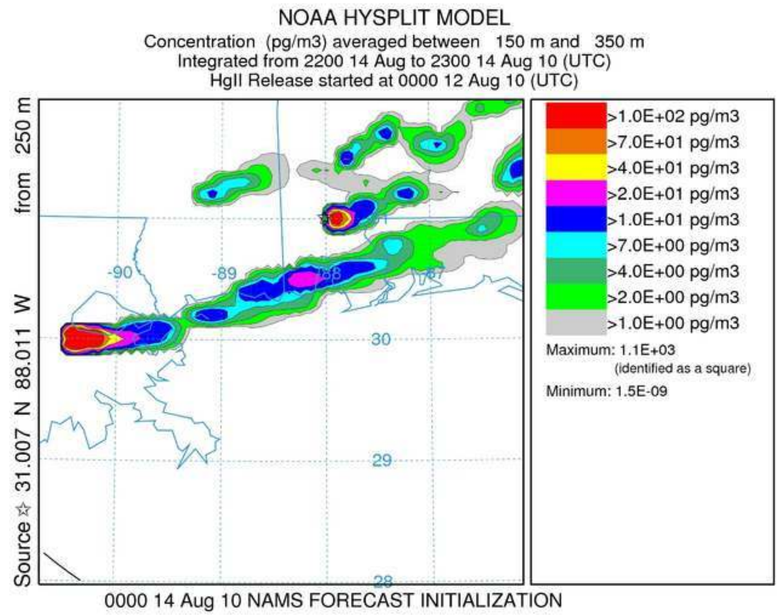

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 2100 14 Aug to 2200 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 8.5E+01
(identified as a square)
Minimum: 2.4E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

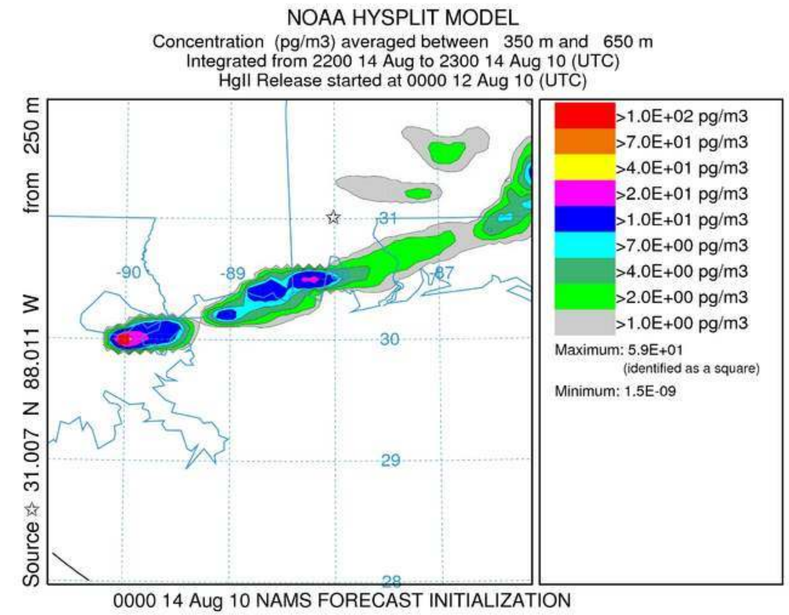

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 2100 14 Aug to 2200 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.6E+00
(identified as a square)
Minimum: 4.9E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

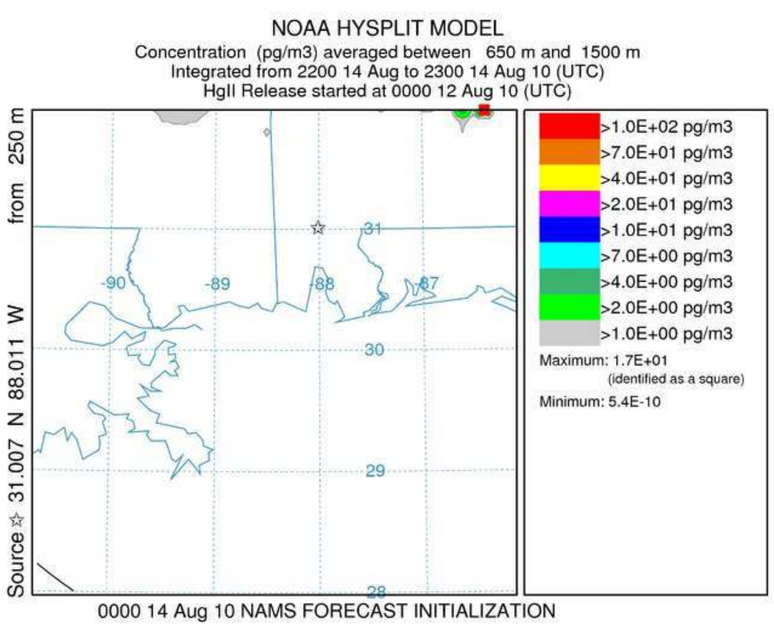

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 2100 14 Aug to 2200 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.2E+00
(identified as a square)
Minimum: 3.3E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

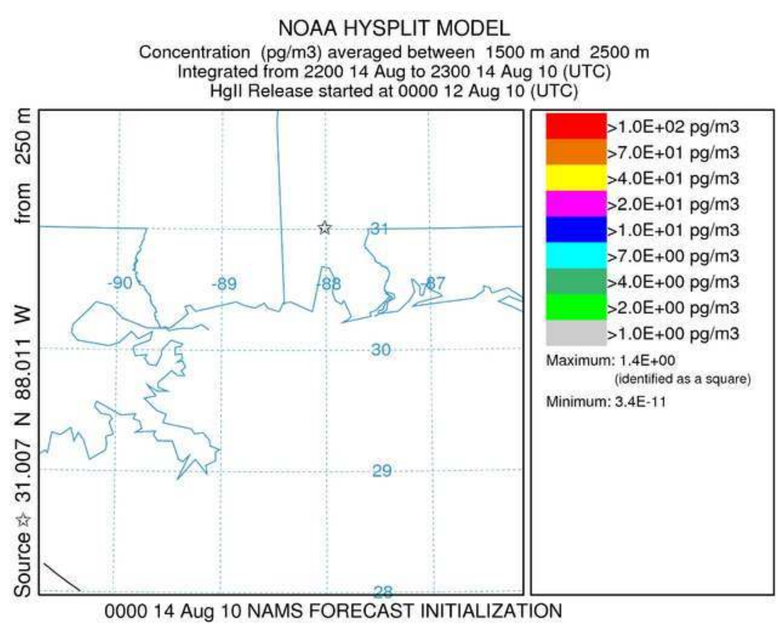

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 2100 14 Aug to 2200 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.2E-01
(identified as a square)
Minimum: 3.3E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

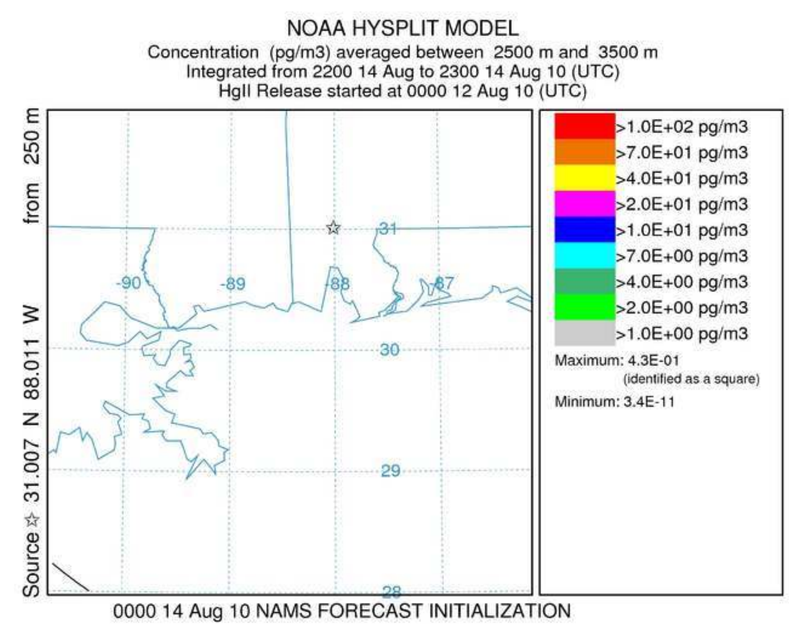

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 2200 14 Aug to 2300 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.3E+02
(identified as a square)
Minimum: 1.5E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

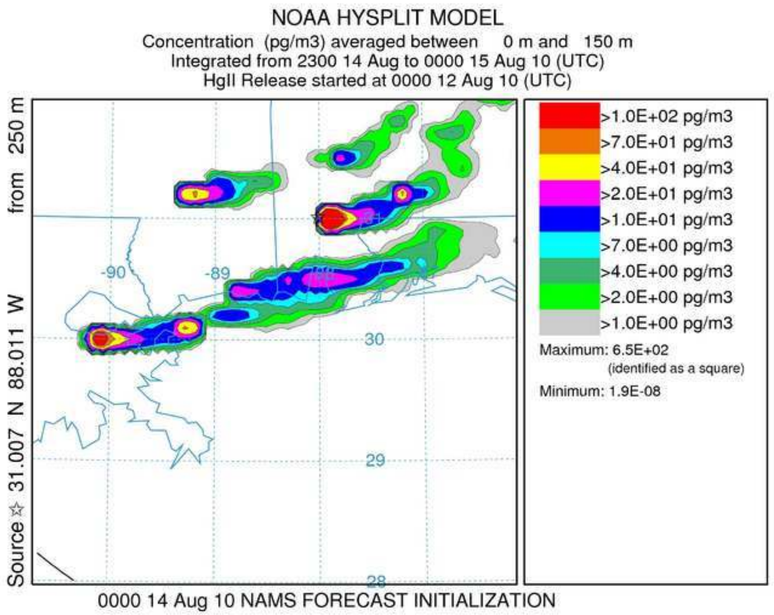

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 2200 14 Aug to 2300 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.1E+03
(identified as a square)
Minimum: 1.5E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

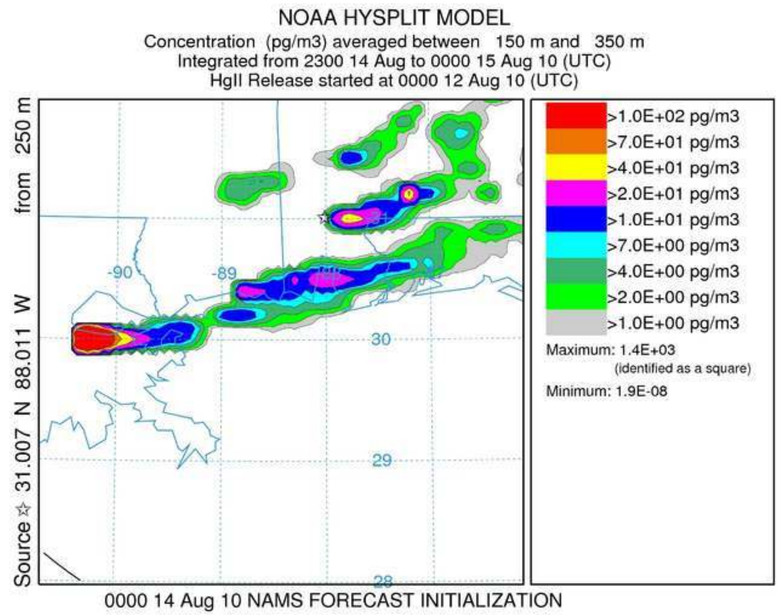

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 2200 14 Aug to 2300 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 5.9E+01
(identified as a square)
Minimum: 1.5E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

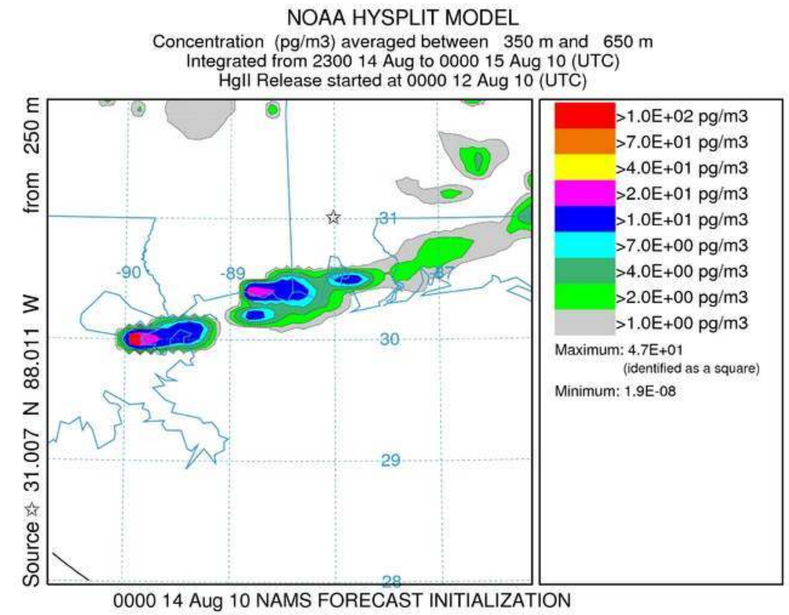

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 2200 14 Aug to 2300 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.7E+01
(identified as a square)
Minimum: 5.4E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

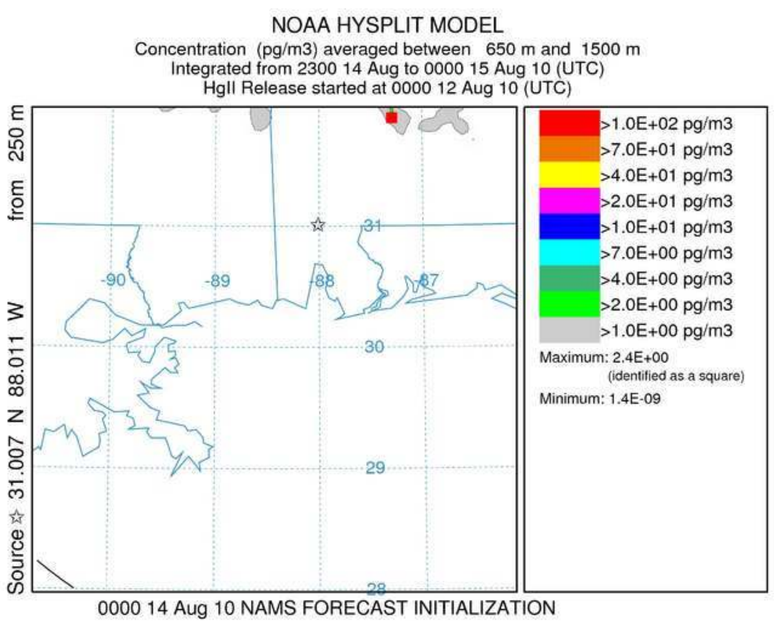

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 2200 14 Aug to 2300 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.4E+00
(identified as a square)
Minimum: 3.4E-11
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

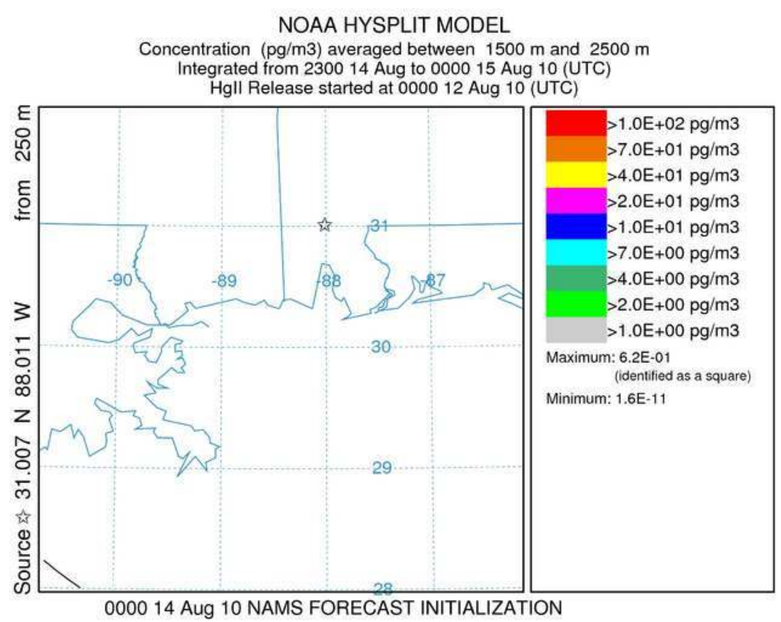

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 2200 14 Aug to 2300 14 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.3E-01
(identified as a square)
Minimum: 3.4E-11
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

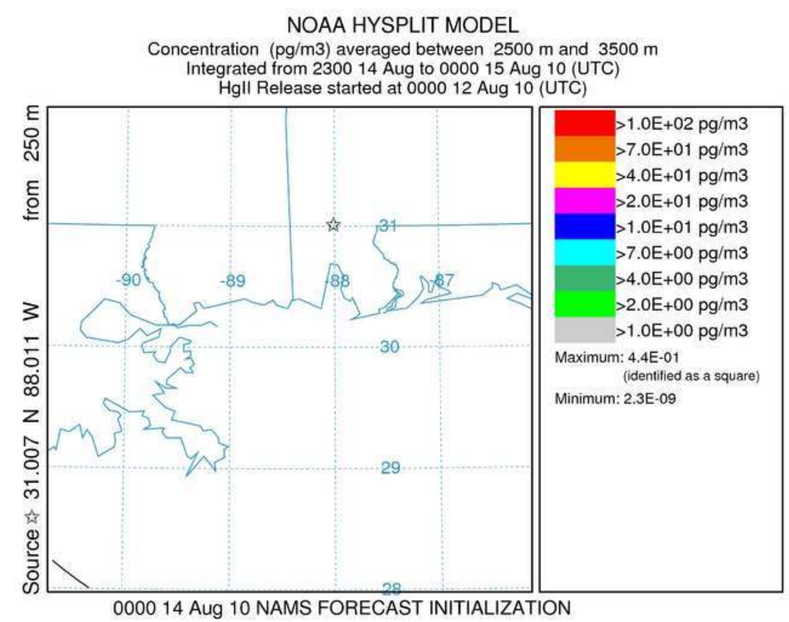

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 2300 14 Aug to 0000 15 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 6.5E+02
(identified as a square)
Minimum: 1.9E-08
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

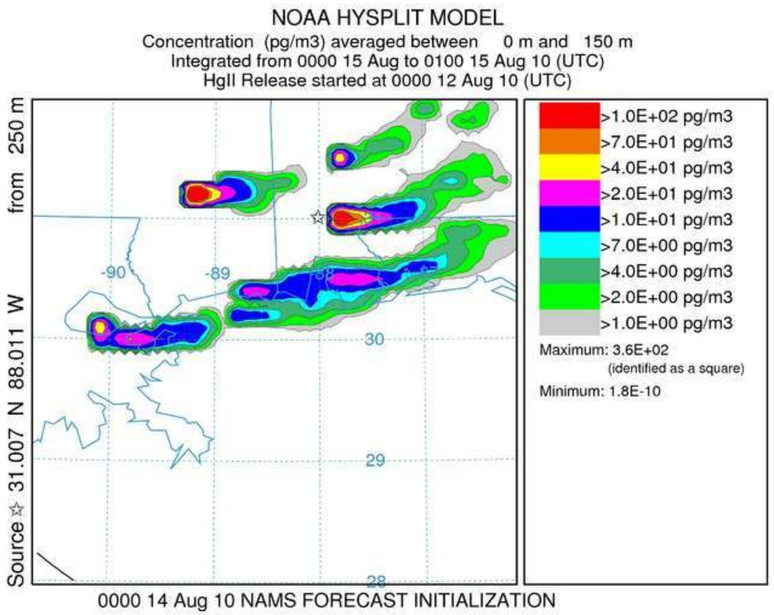

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 2300 14 Aug to 0000 15 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.4E+03
(identified as a square)
Minimum: 1.9E-08
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

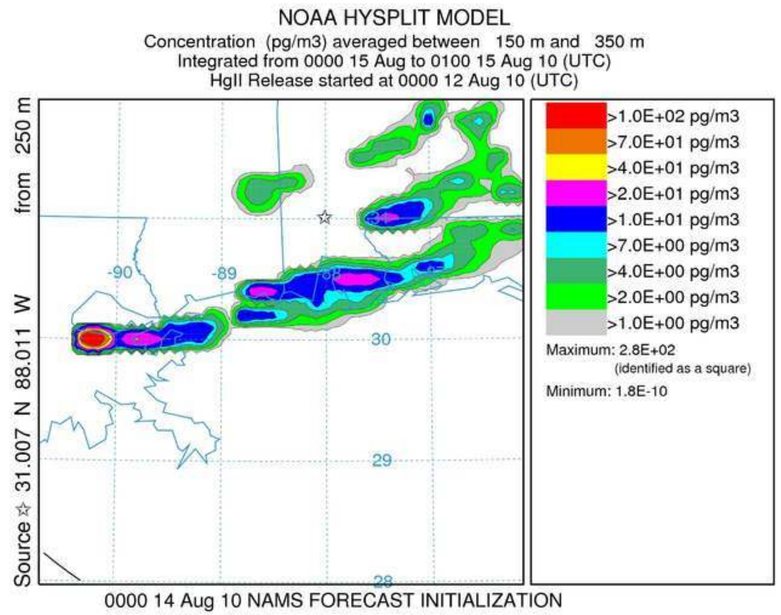

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 2300 14 Aug to 0000 15 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.7E+01
(identified as a square)
Minimum: 1.9E-08
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

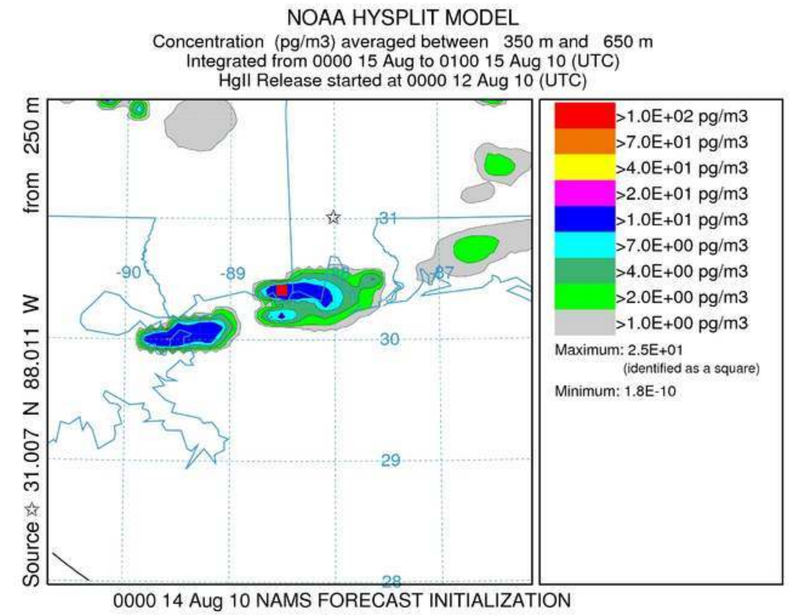

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 2300 14 Aug to 0000 15 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.4E+00
(identified as a square)
Minimum: 1.4E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

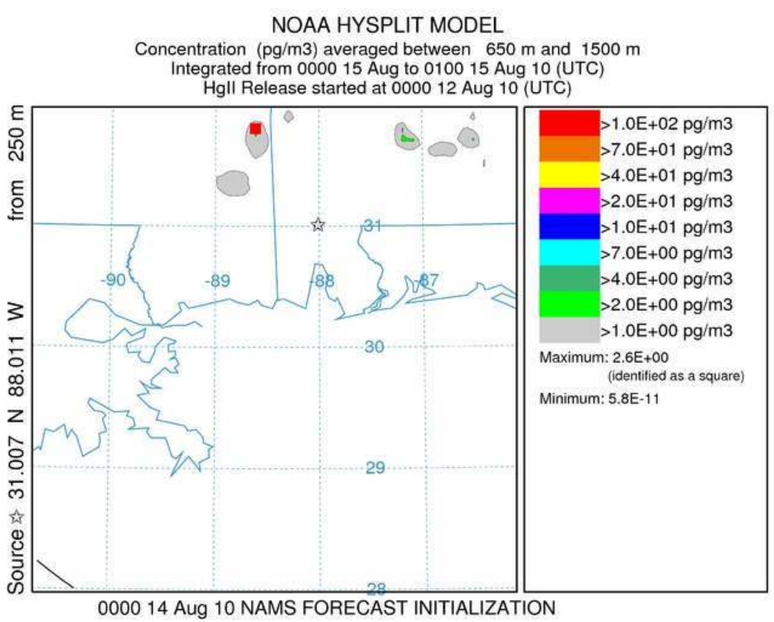

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 2300 14 Aug to 0000 15 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 6.2E-01
(identified as a square)
Minimum: 1.6E-11
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

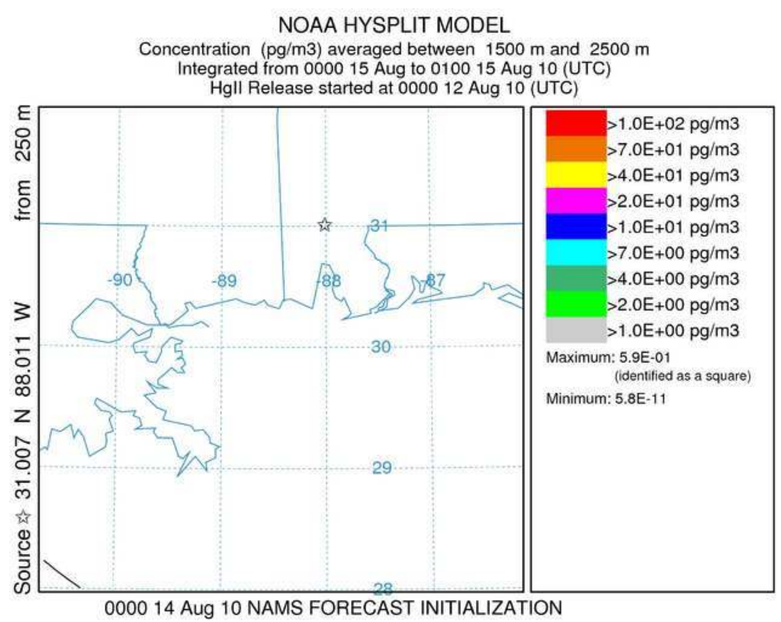

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 2300 14 Aug to 0000 15 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.4E-01
(identified as a square)
Minimum: 2.3E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION

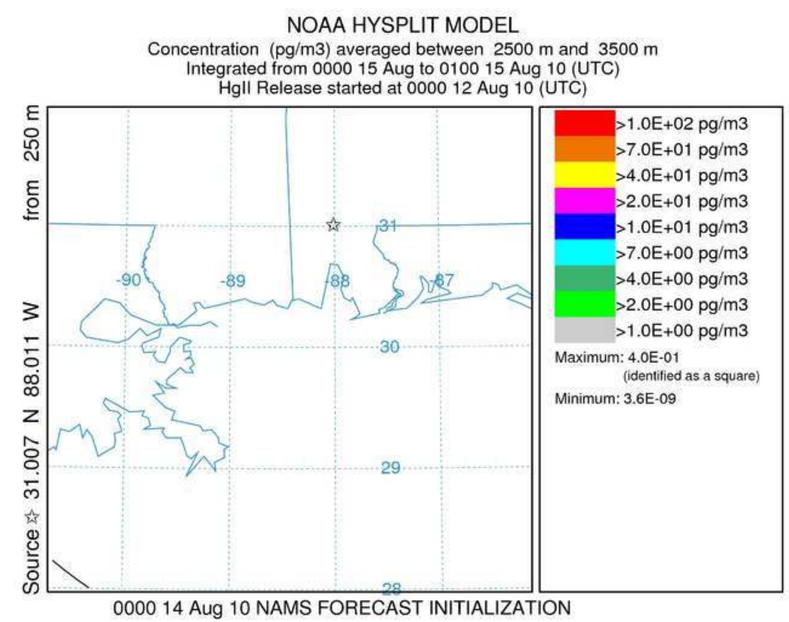

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 0000 15 Aug to 0100 15 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.6E+02
(identified as a square)
Minimum: 1.8E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 0000 15 Aug to 0100 15 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.8E+02
(identified as a square)
Minimum: 1.8E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 0000 15 Aug to 0100 15 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.5E+01
(identified as a square)
Minimum: 1.8E-10
0000 14 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 0000 15 Aug to 0100 15 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.6E+00
(identified as a square)
Minimum: 5.8E-11
0000 14 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 0000 15 Aug to 0100 15 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 5.9E-01
(identified as a square)
Minimum: 5.8E-11
0000 14 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 0000 15 Aug to 0100 15 Aug 10 (UTC)
HgII Release started at 0000 12 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.0E-01
(identified as a square)
Minimum: 3.6E-09
0000 14 Aug 10 NAMS FORECAST INITIALIZATION