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)

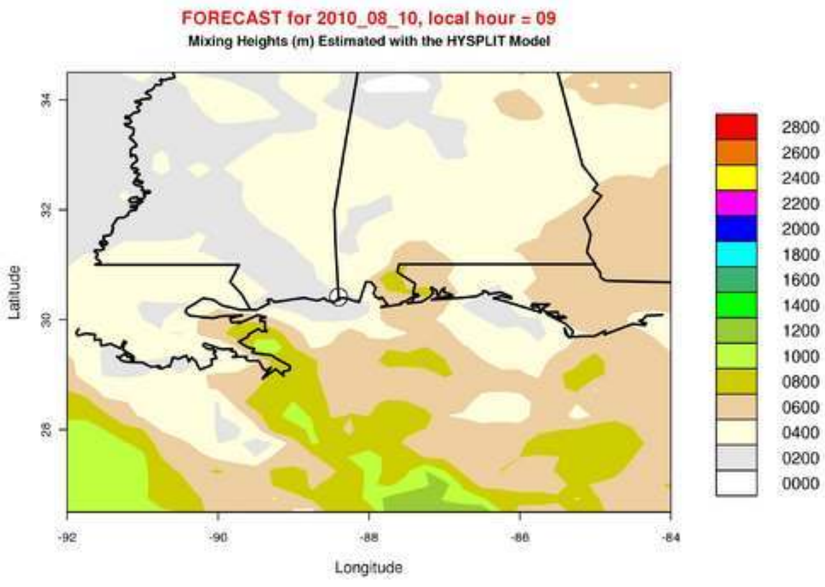
- ❑ One page for each local hour from 9 AM to 8 PM
- ❑ Image in upper left corner and upper middle are the mixing height (same map as shown on Trajectory pages). The two maps are slightly different due do differing interpolation procedures
- ❑ The map in the upper right corner is forecast precipitation, 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)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Mixing Heights (m) Estimated with the HYSPLIT Model
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Longitude
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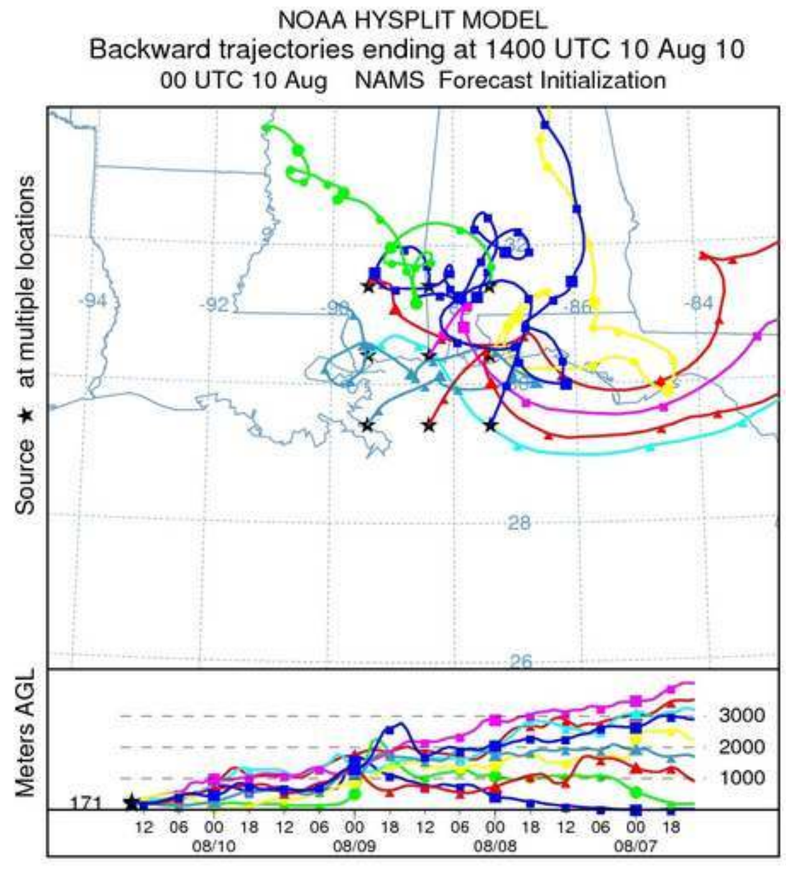
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
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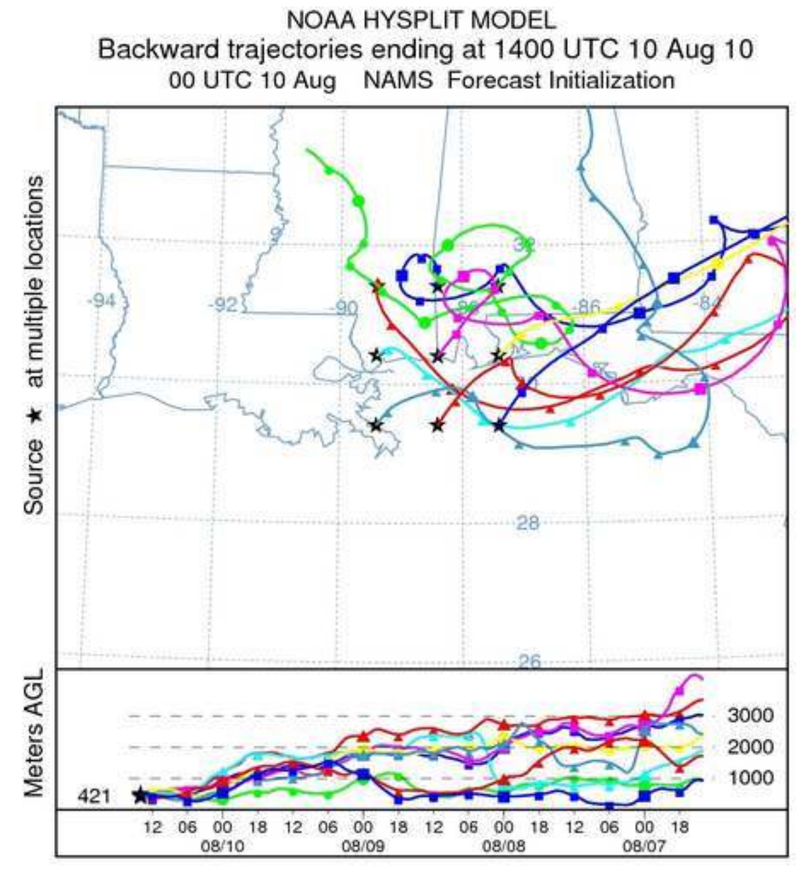
2000
1000
08/10
08/09
08/08
08/07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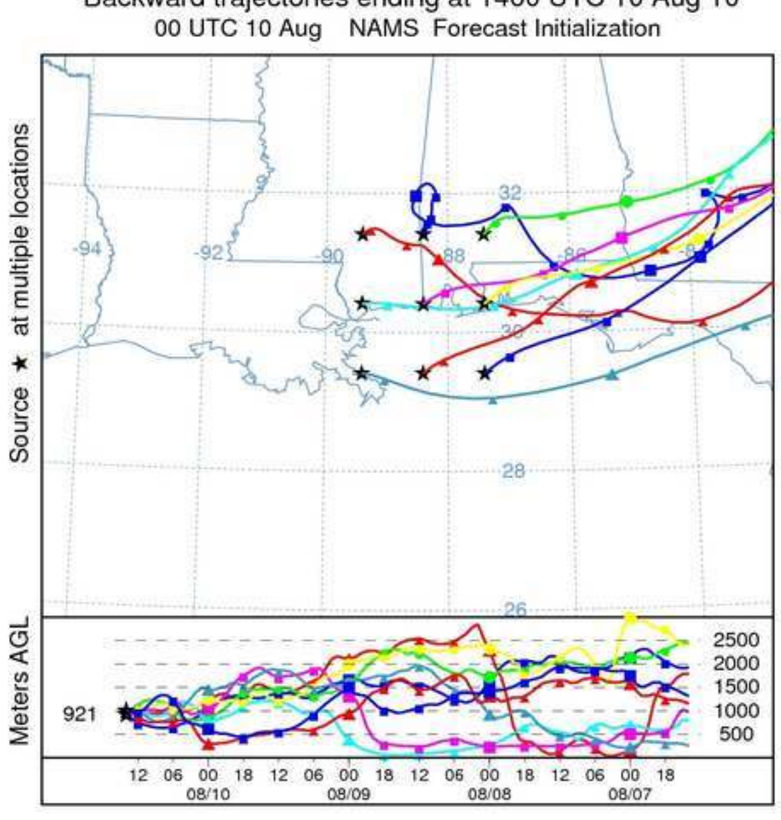
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
3000
2000
1000
08/10
08/09
08/08
08/07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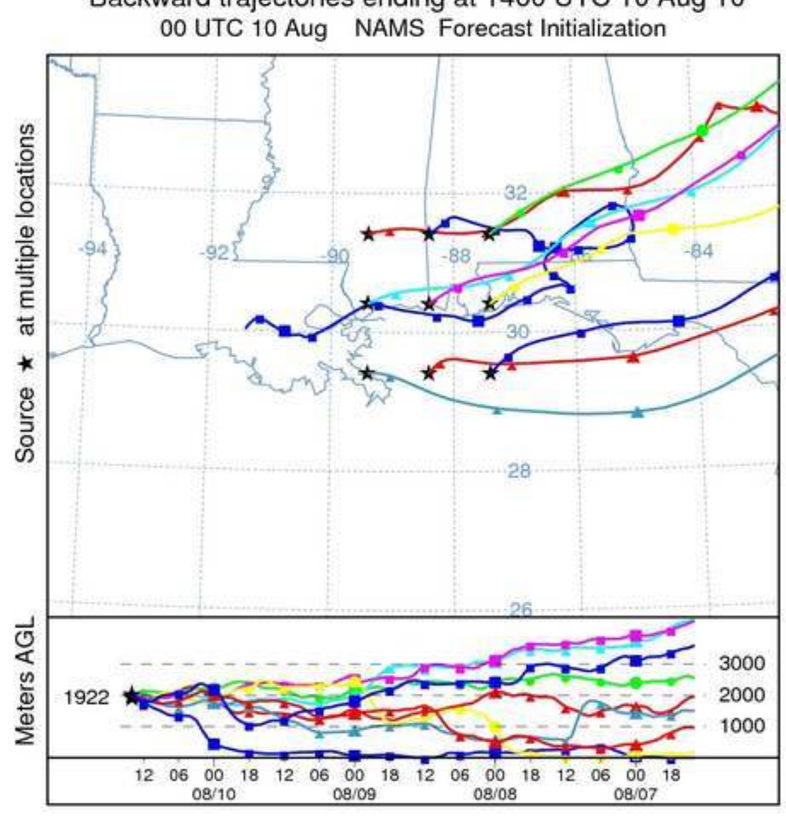
Backward trajectories ending at 1400 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
2500
2000
1500
1000
500
08/10
08/09
08/08
08/07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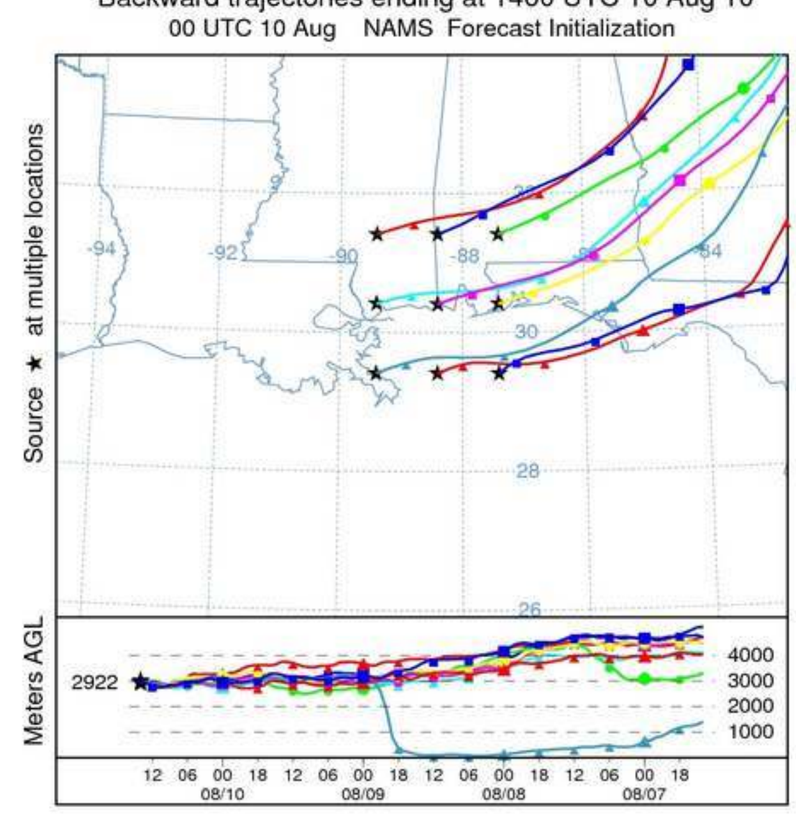
Source ★ at multiple locations
Meters AGL
1922
3000
2000
1000
08/10
08/09
08/08
08/07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Meters AGL
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4000
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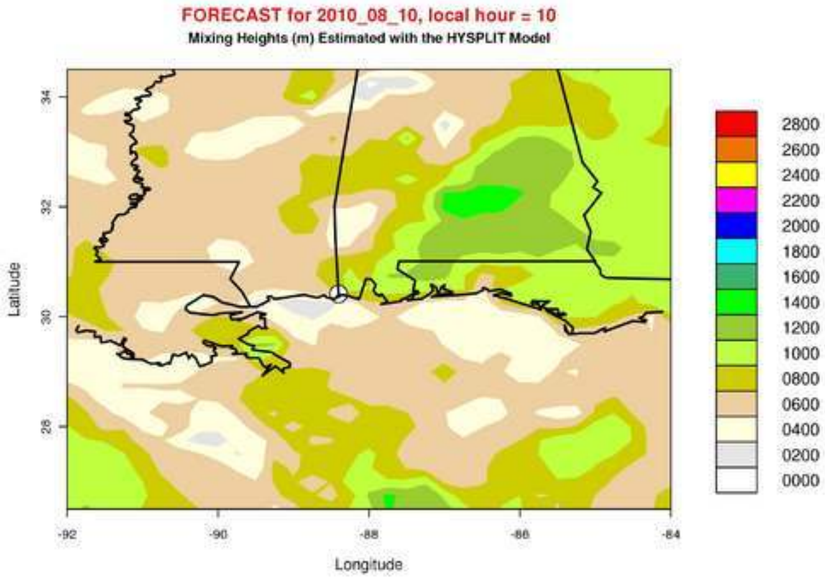
2000
1000
08/10
08/09
08/08
08/07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Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
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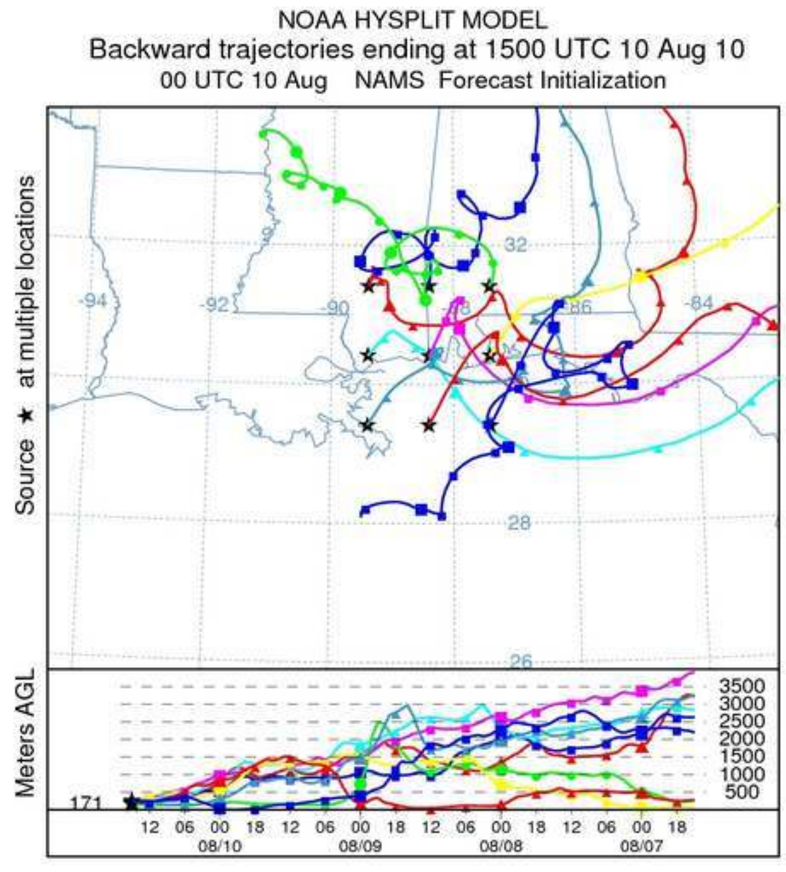
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000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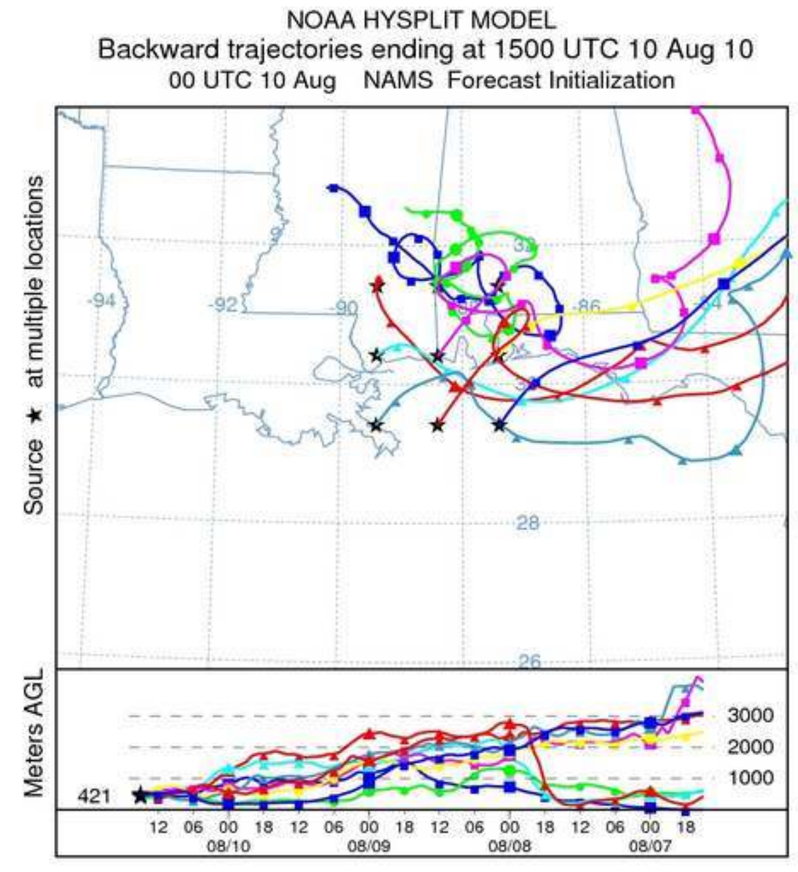
Meters AGL
171
08/10
08/09
08/08
08/07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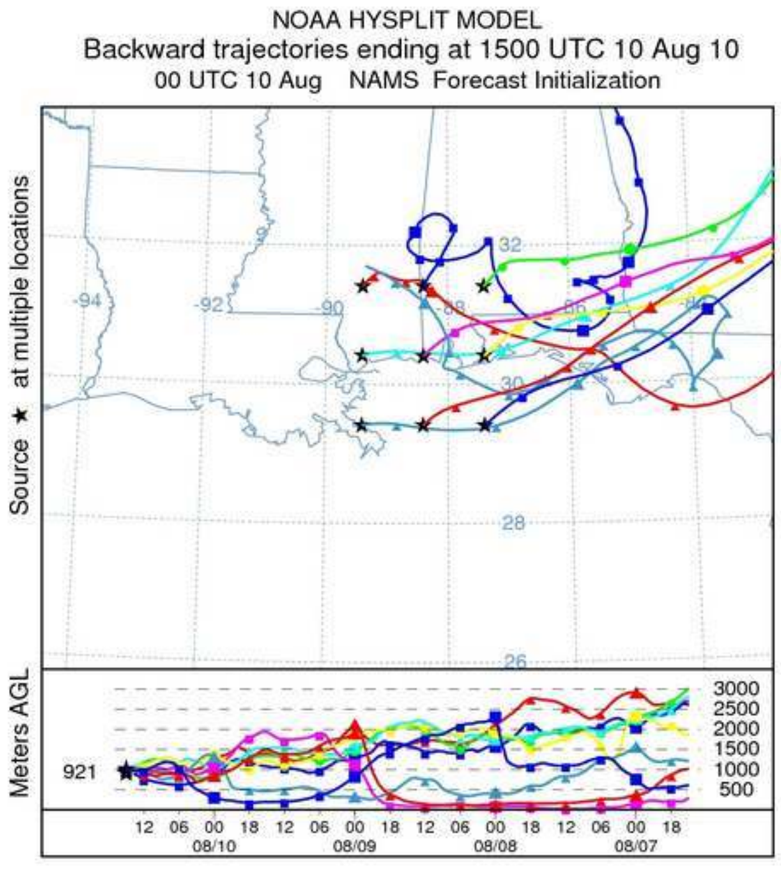
Meters AGL
421
08/10
08/09
08/08
08/07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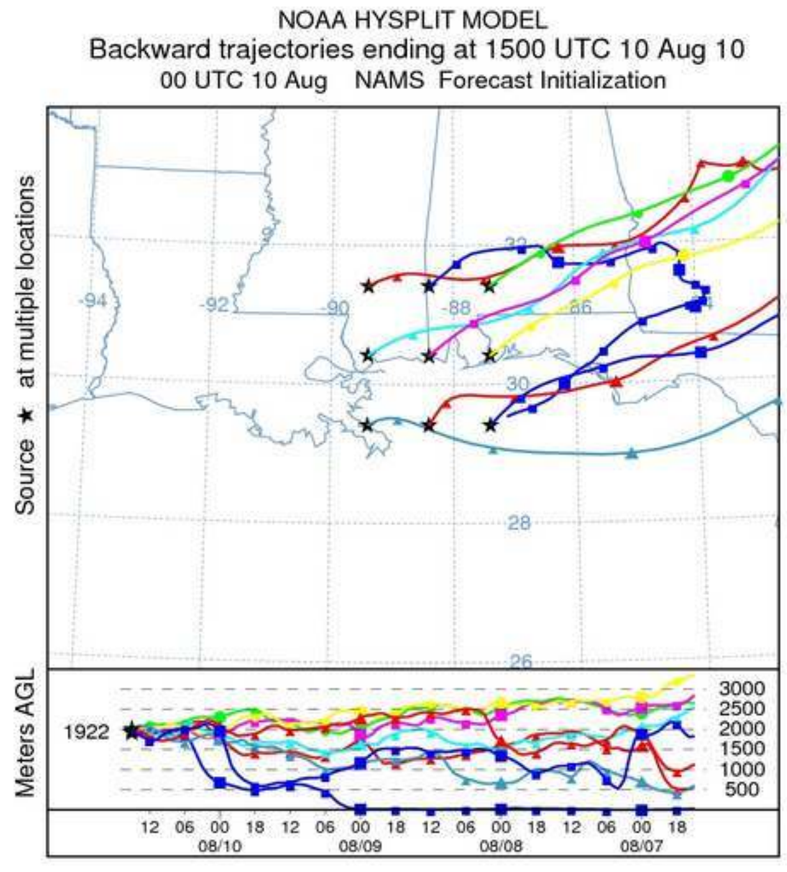
Meters AGL
921
08/10
08/09
08/08
08/07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Source ★ at multiple locations
Meters AGL
1922
08/10
08/09
08/08
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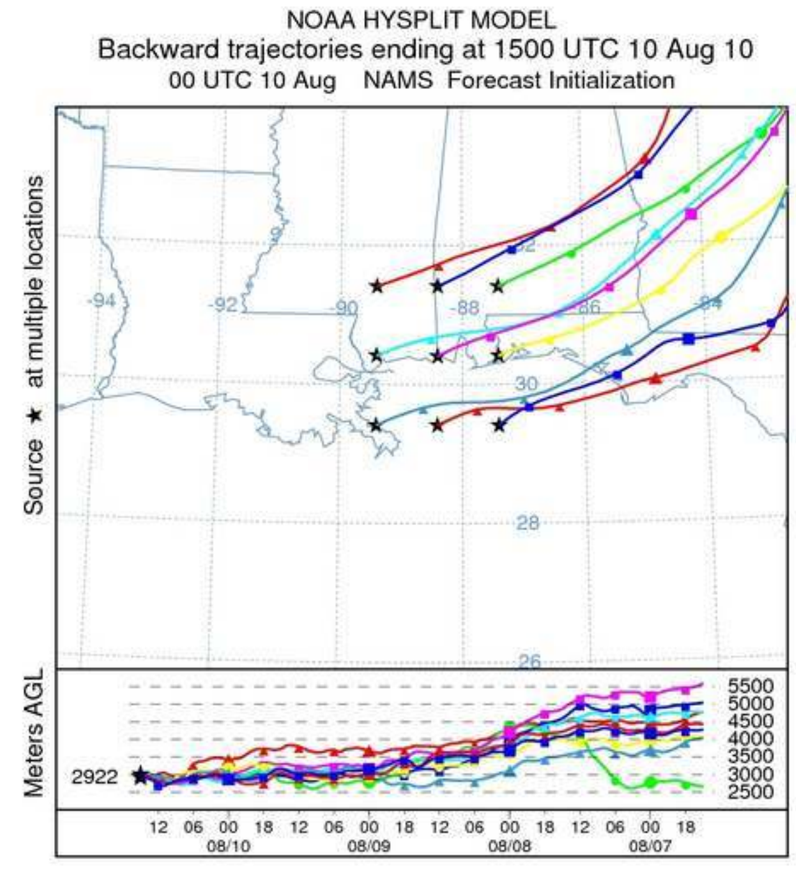
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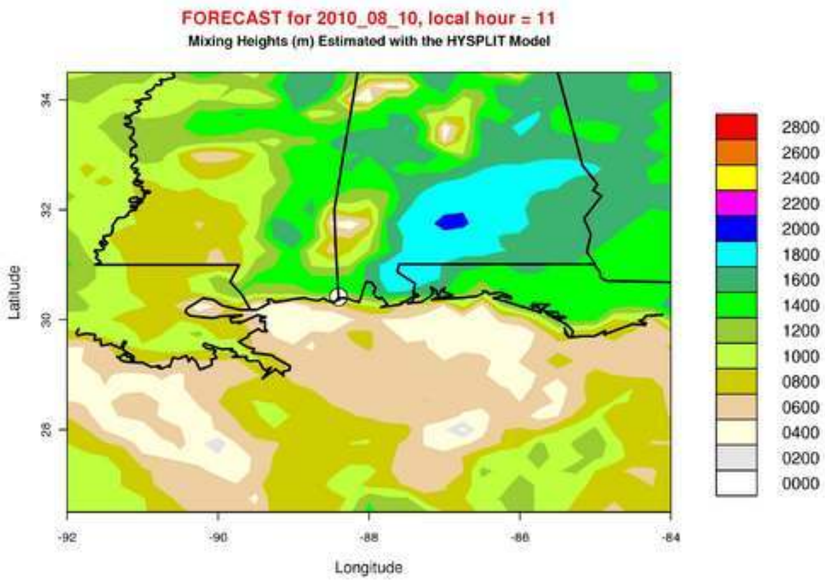
Source ★ at multiple locations
Meters AGL
2922
08/10
08/09
08/08
08/07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Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
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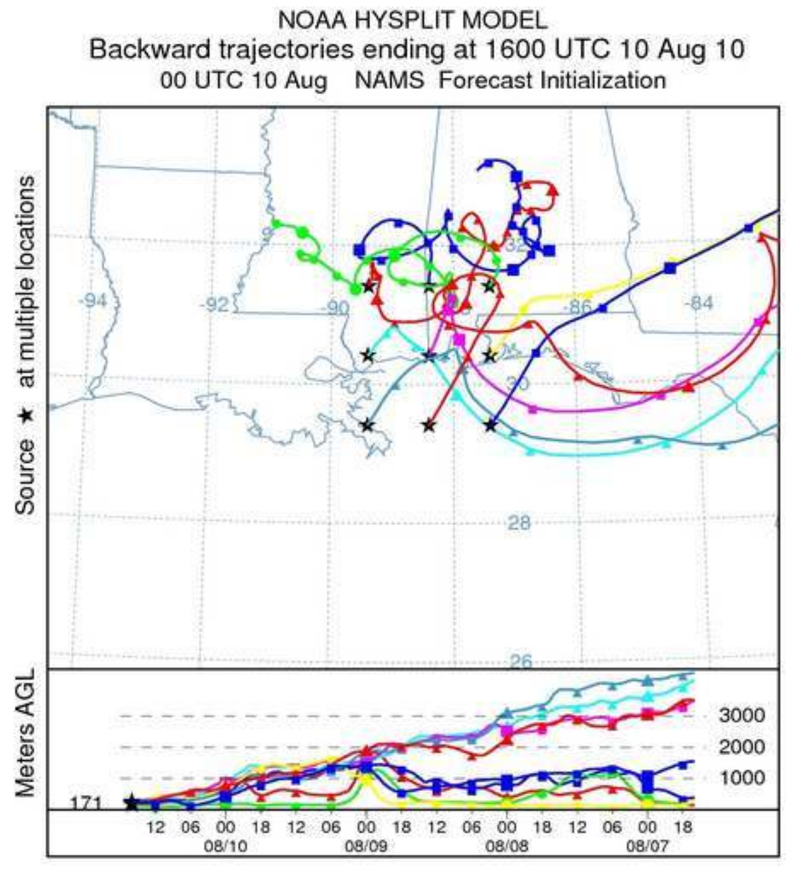
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000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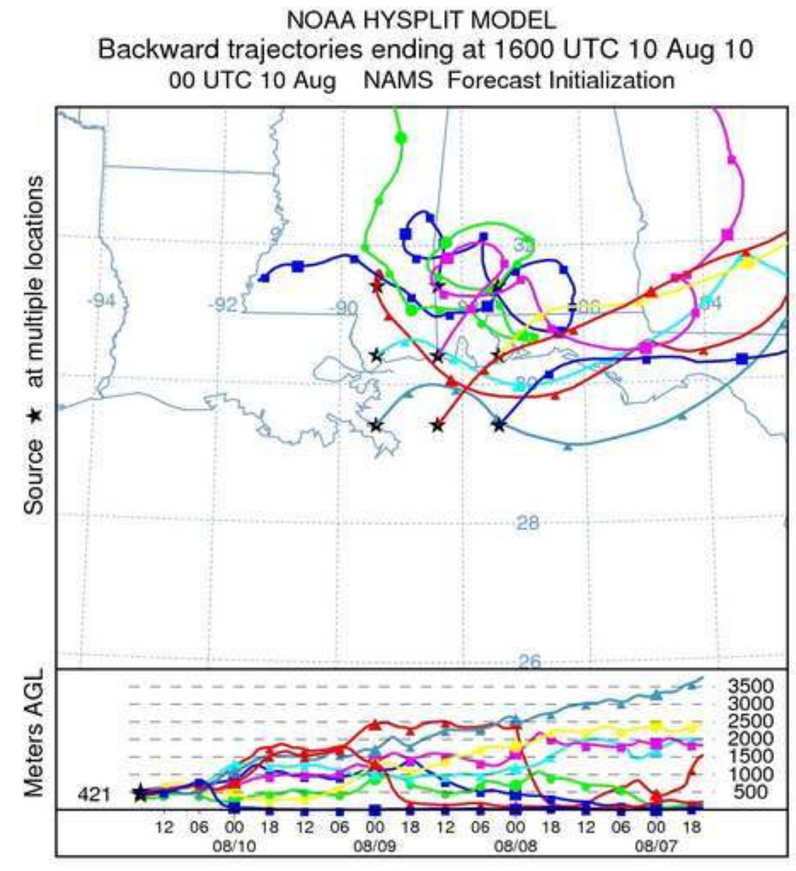
Source ★ at multiple locations
Meters AGL
171
3000
2000
1000
08/10
08/09
08/08
08/07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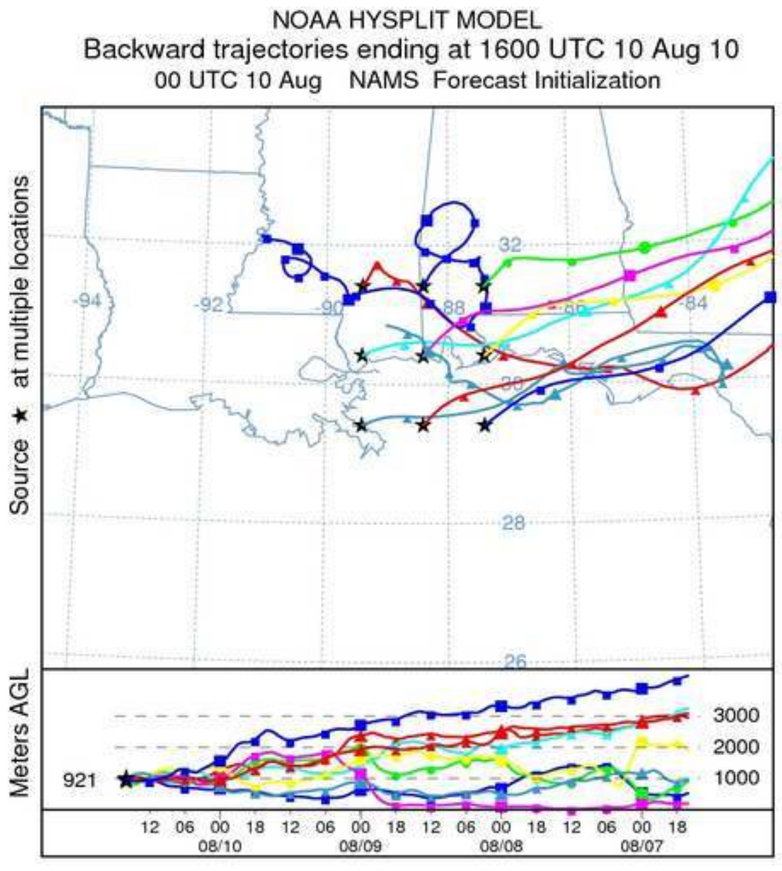
Source ★ at multiple locations
Meters AGL
421
3500
3000
2500
2000
1500
1000
500
08/10
08/09
08/08
08/07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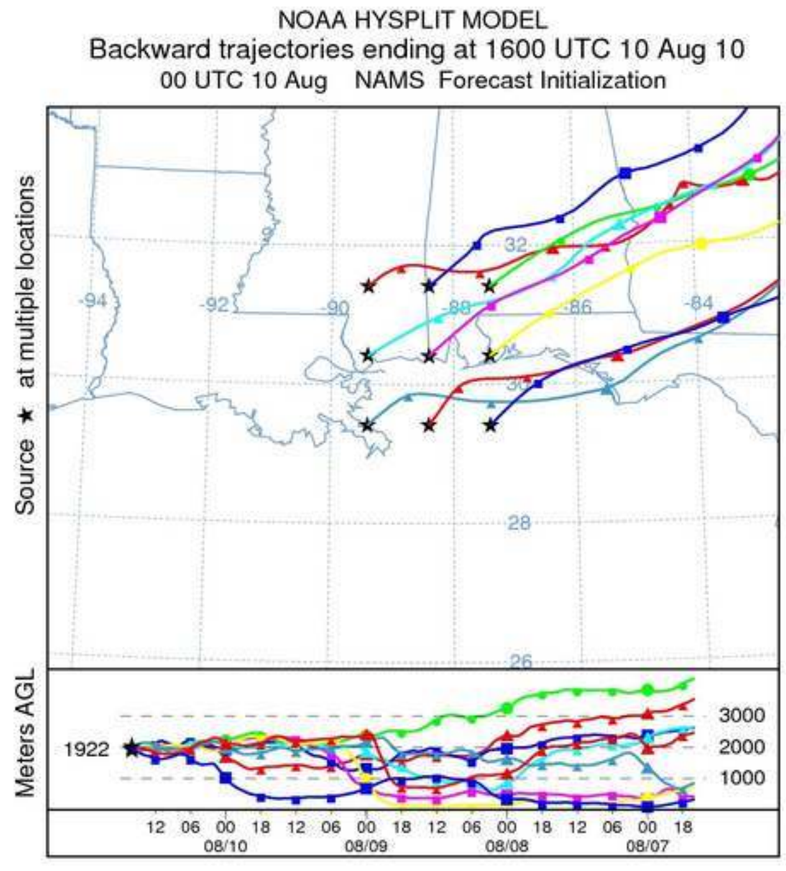
Source ★ at multiple locations
Meters AGL
921
3000
2000
1000
08/10
08/09
08/08
08/07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Backward trajectories ending at 1600 UTC 10 Aug 10
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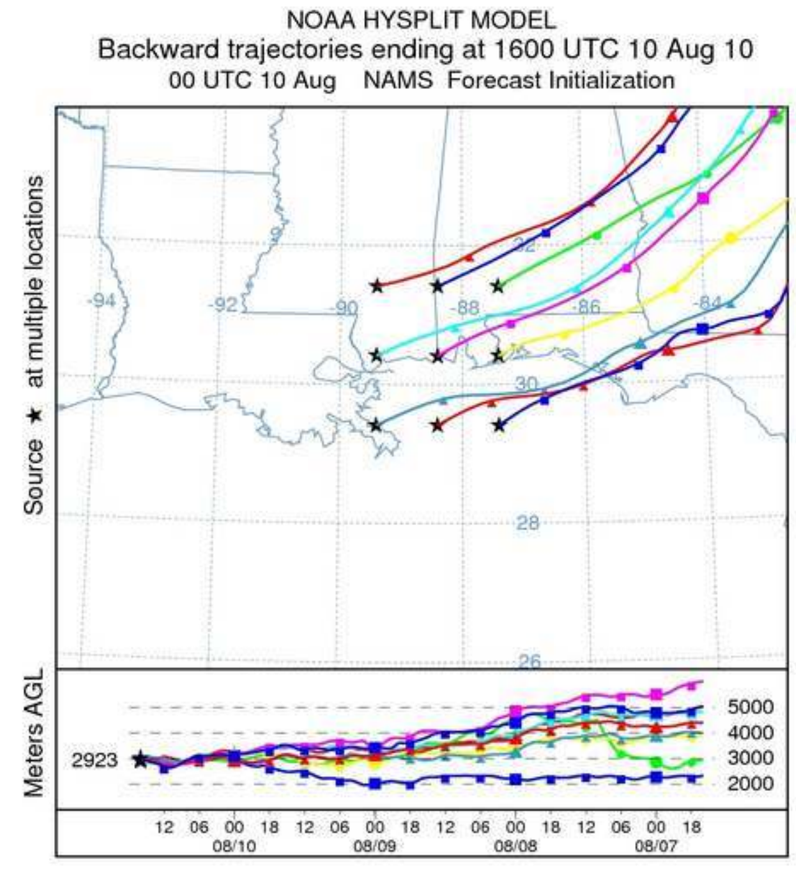
Source ★ at multiple locations
Meters AGL
1922
3000
2000
1000
08/10
08/09
08/08
08/07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Backward trajectories ending at 1600 UTC 10 Aug 10
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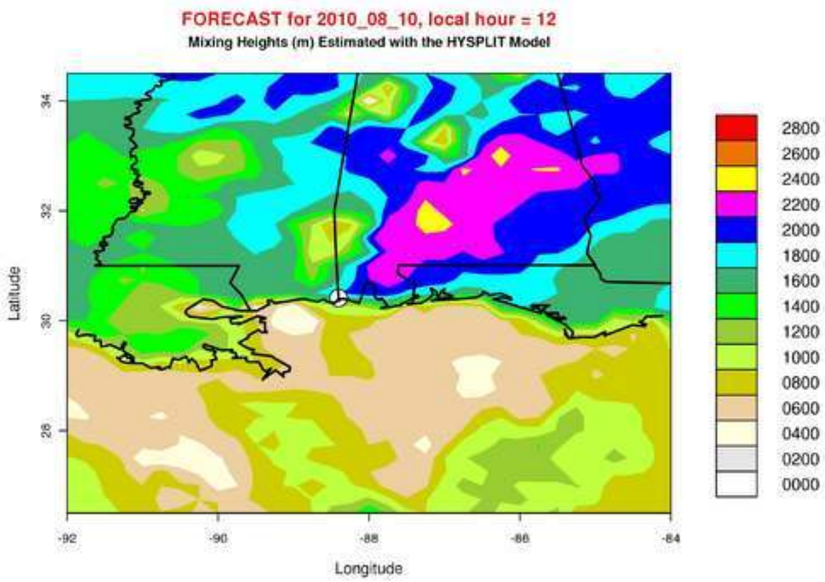
Source ★ at multiple locations
Meters AGL
2923
5000
4000
3000
2000
08/10
08/09
08/08
08/07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Mixing Heights (m) Estimated with the HYSPLIT Model
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Longitude
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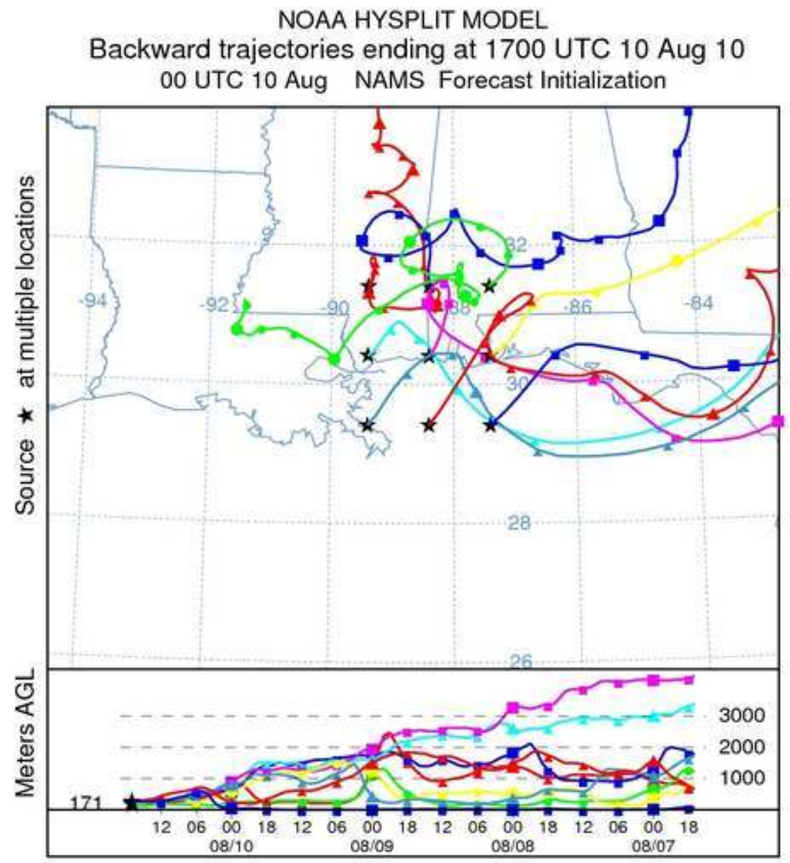
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
3000
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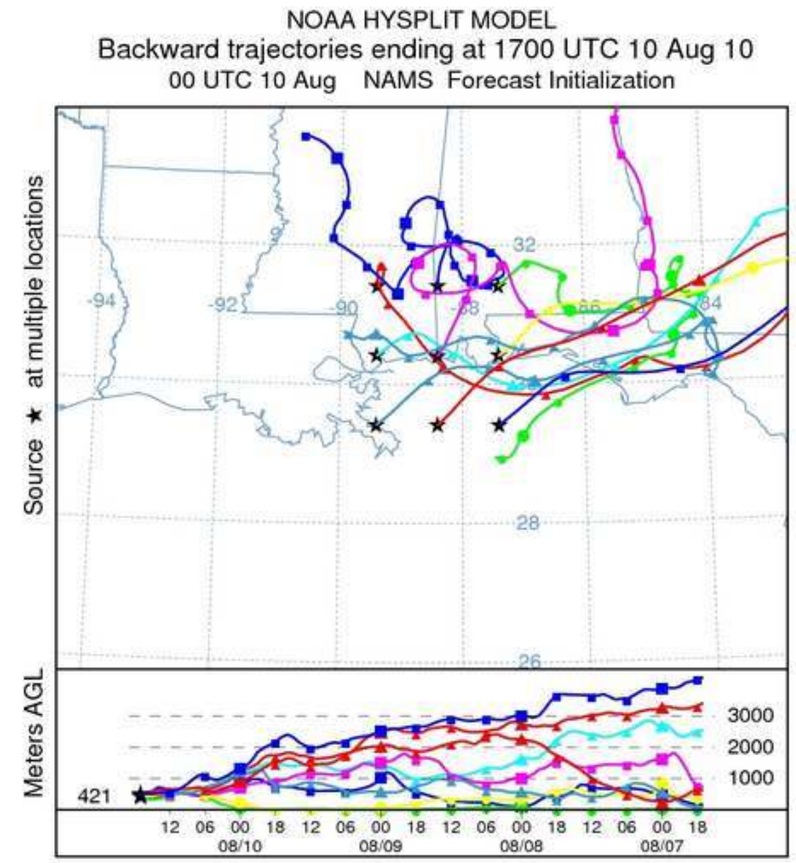
08/10
08/09
08/08
08/07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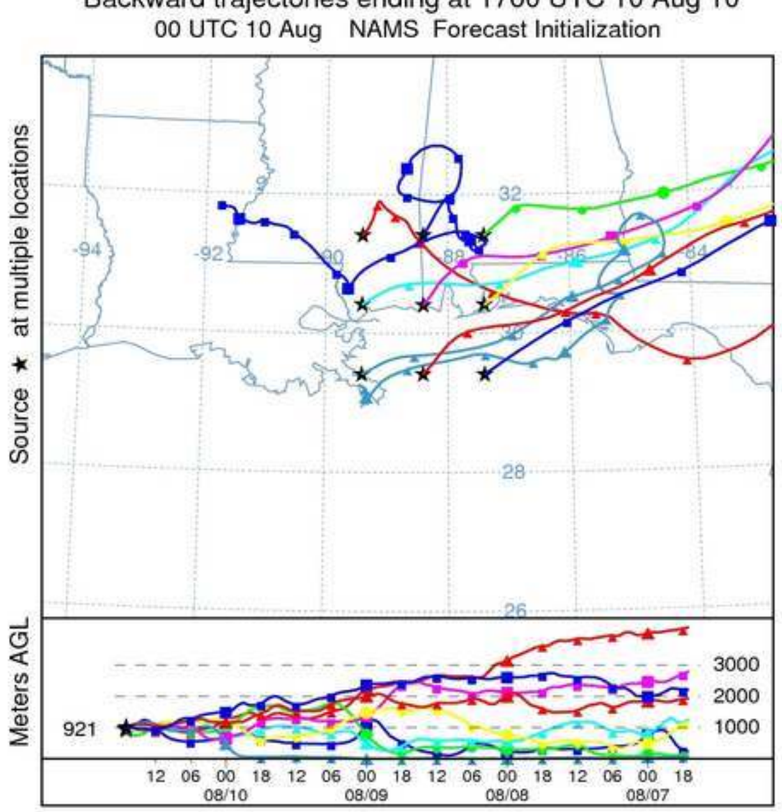
Backward trajectories ending at 1700 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
3000
2000
1000
08/10
08/09
08/08
08/07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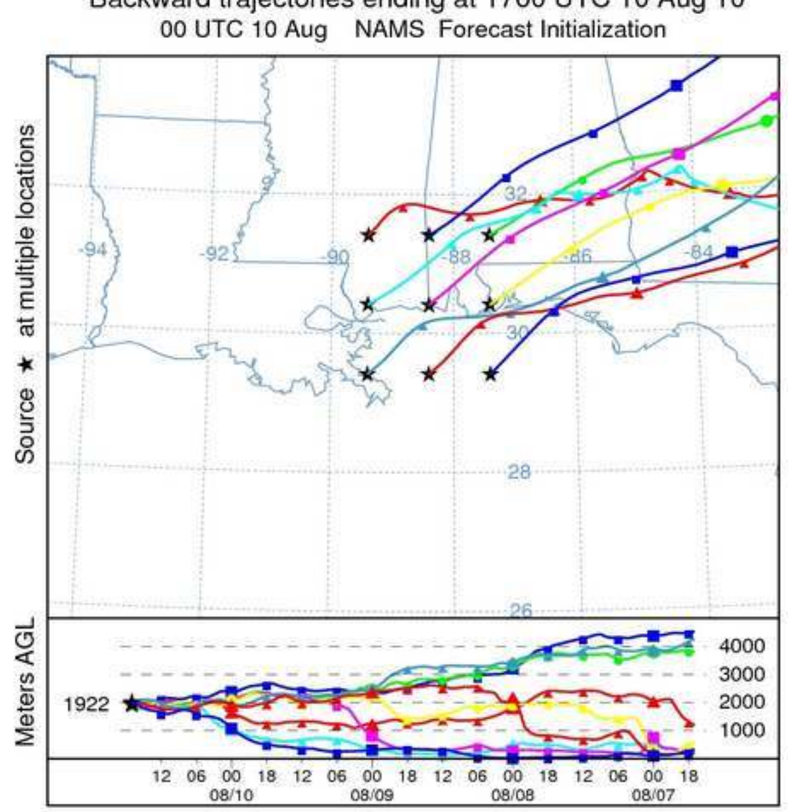
Source ★ at multiple locations
Meters AGL
921
3000
2000
1000
08/10
08/09
08/08
08/07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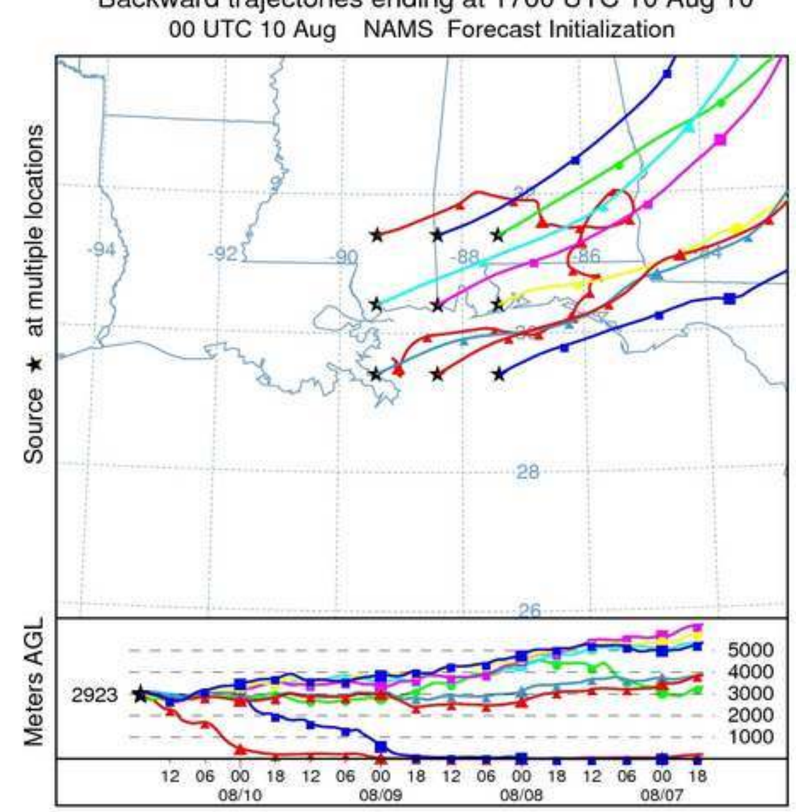
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
4000
3000
2000
1000
08/10
08/09
08/08
08/07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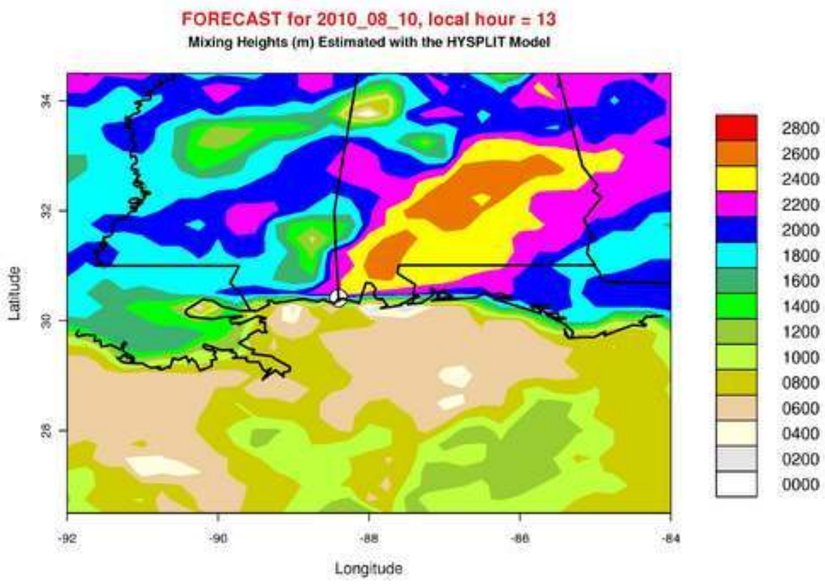
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2923
5000
4000
3000
2000
1000
08/10
08/09
08/08
08/07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Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
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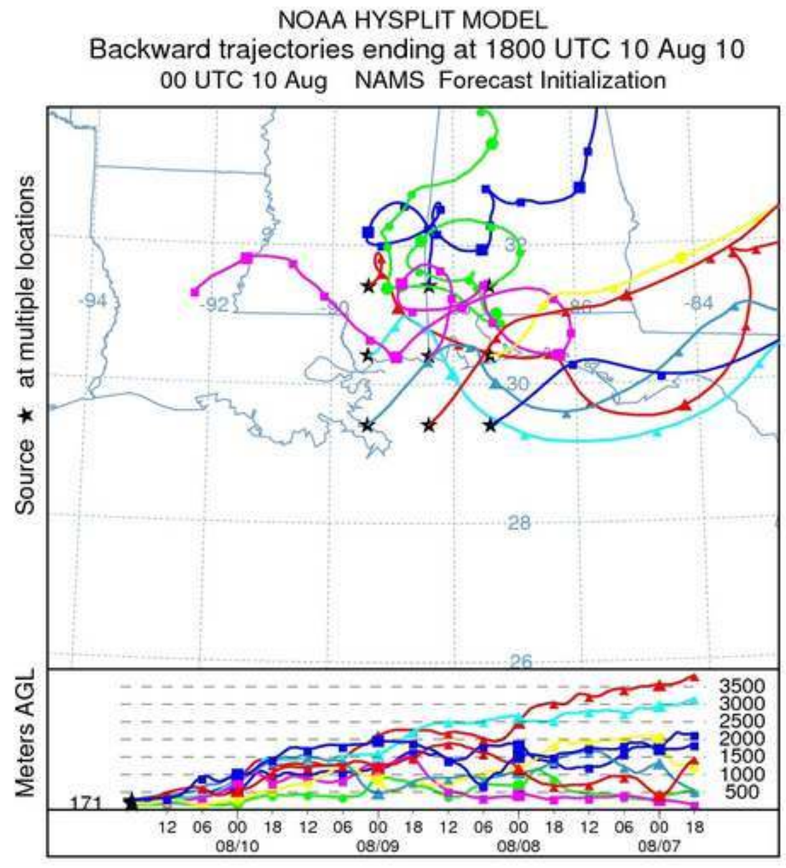
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000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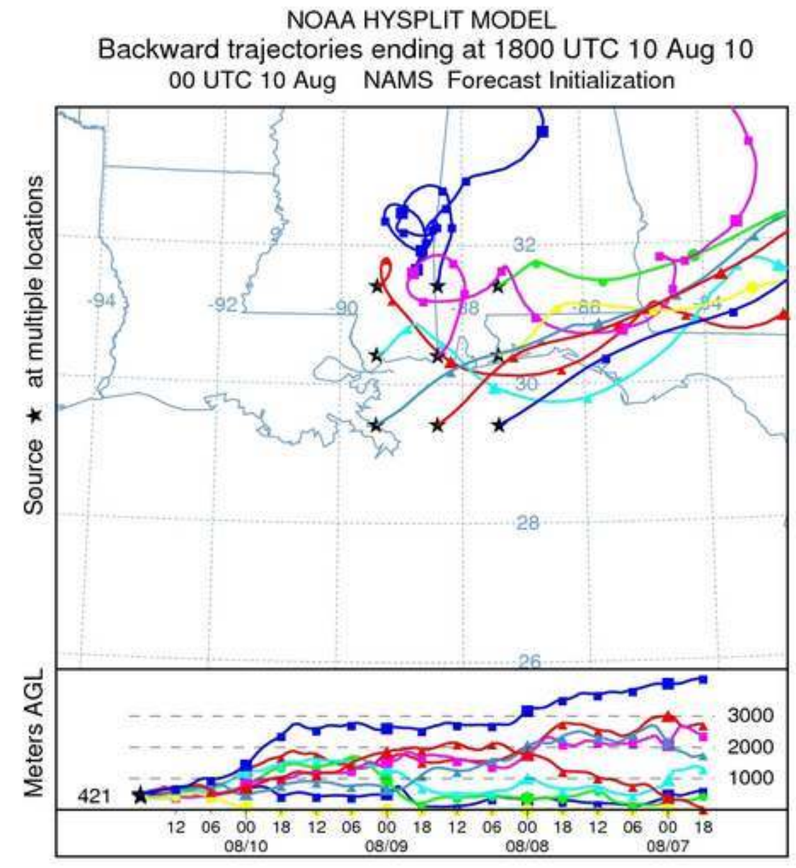
Source ★ at multiple locations
Meters AGL
171
08/10
08/09
08/08
08/07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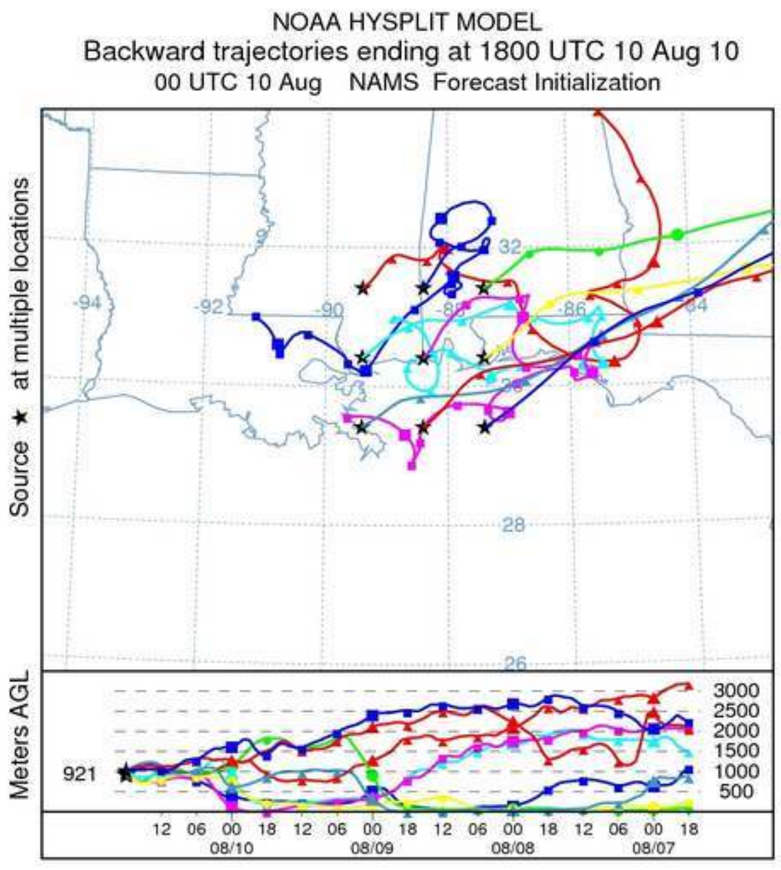
Source ★ at multiple locations
Meters AGL
421
08/10
08/09
08/08
08/07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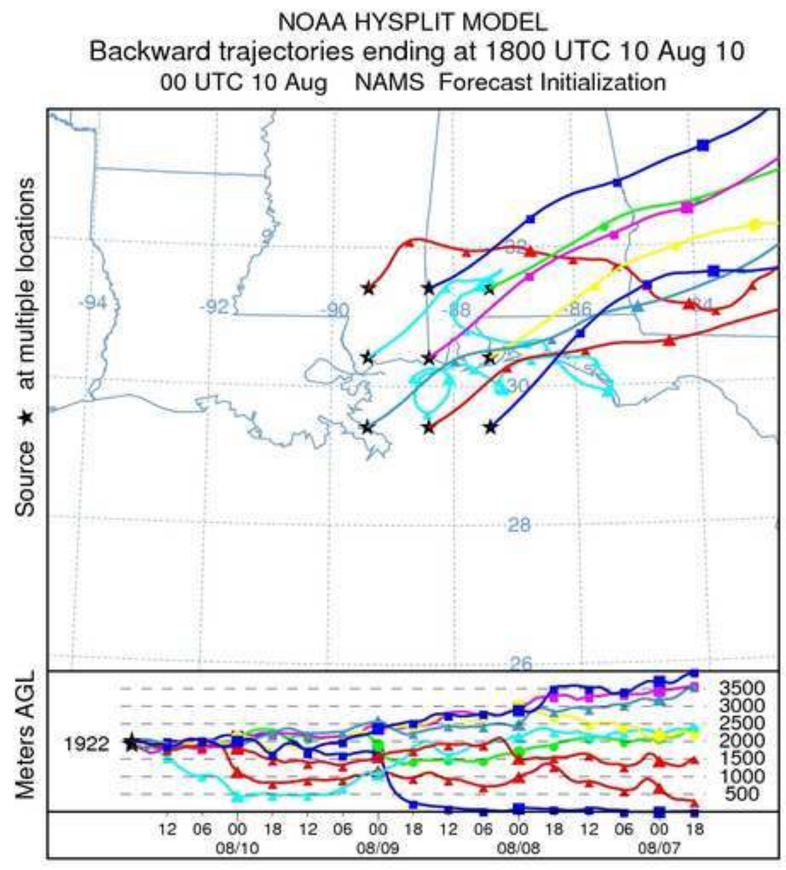
Source ★ at multiple locations
Meters AGL
921
08/10
08/09
08/08
08/07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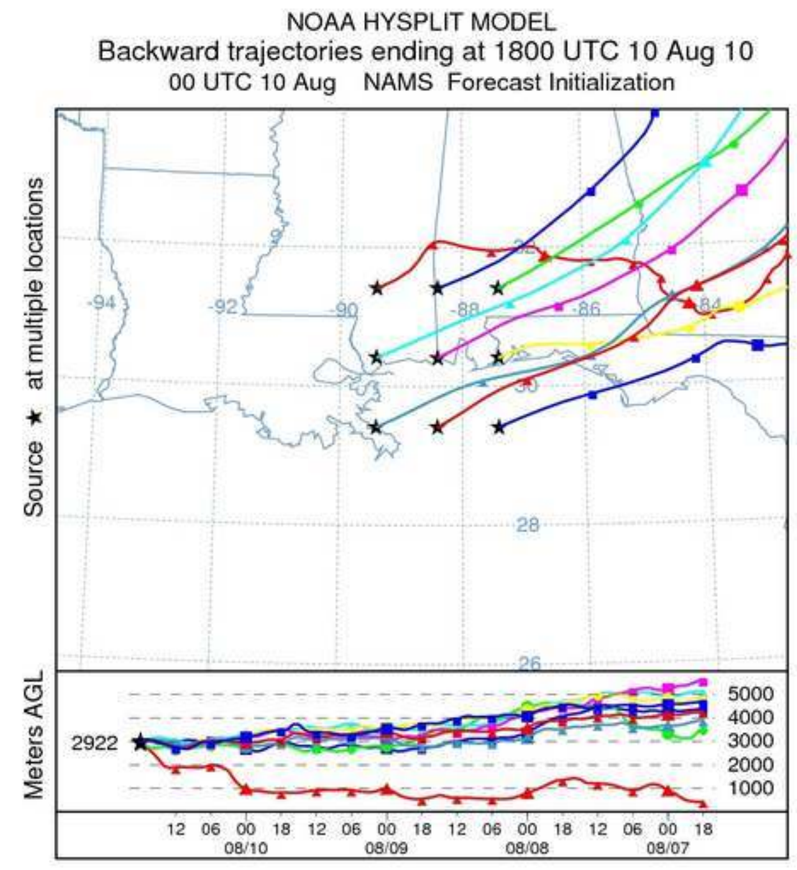
Source ★ at multiple locations
Meters AGL
1922
08/10
08/09
08/08
08/07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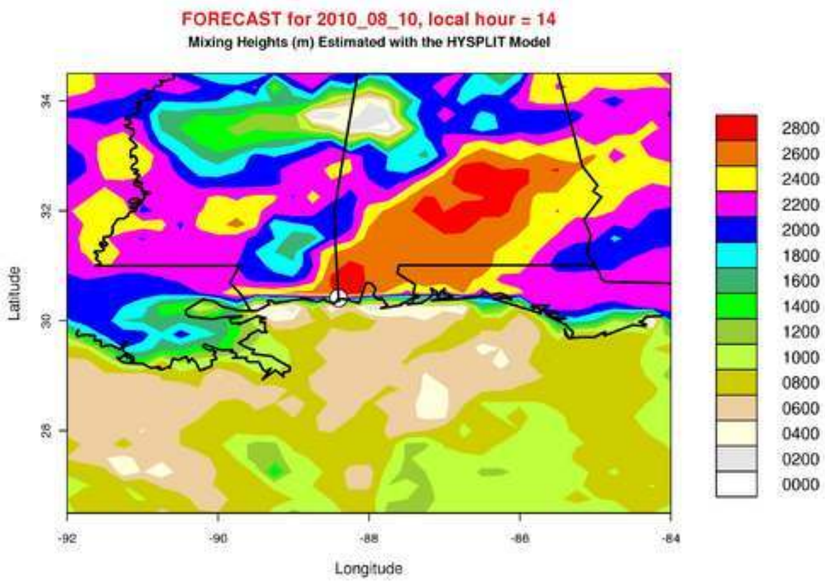
Source ★ at multiple locations
Meters AGL
2922
08/10
08/09
08/08
08/07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Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
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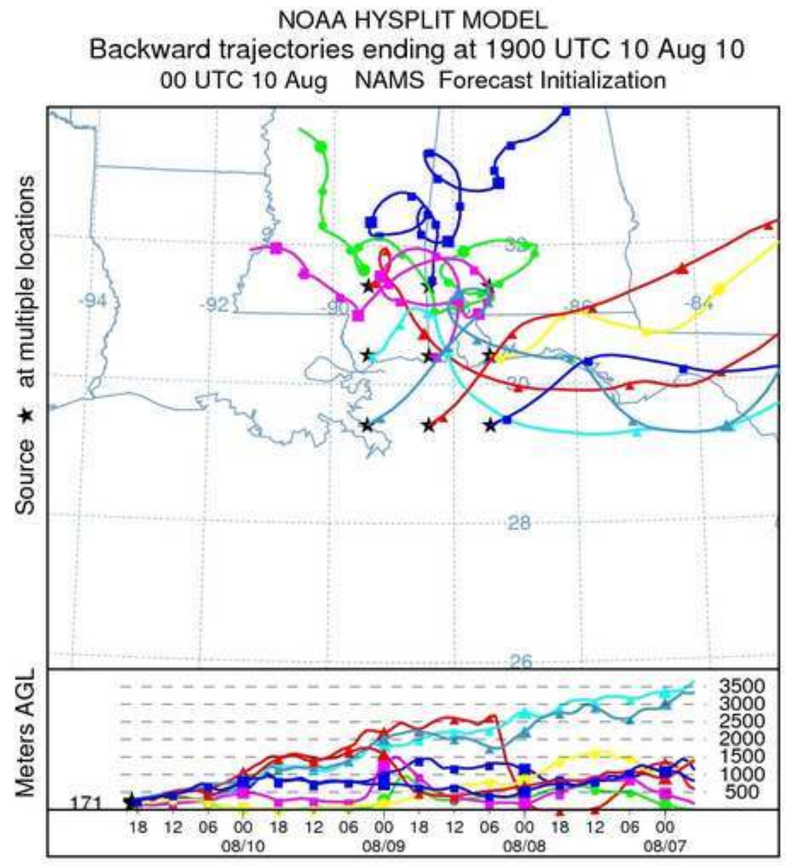
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


NOAA HYSPLIT MODEL
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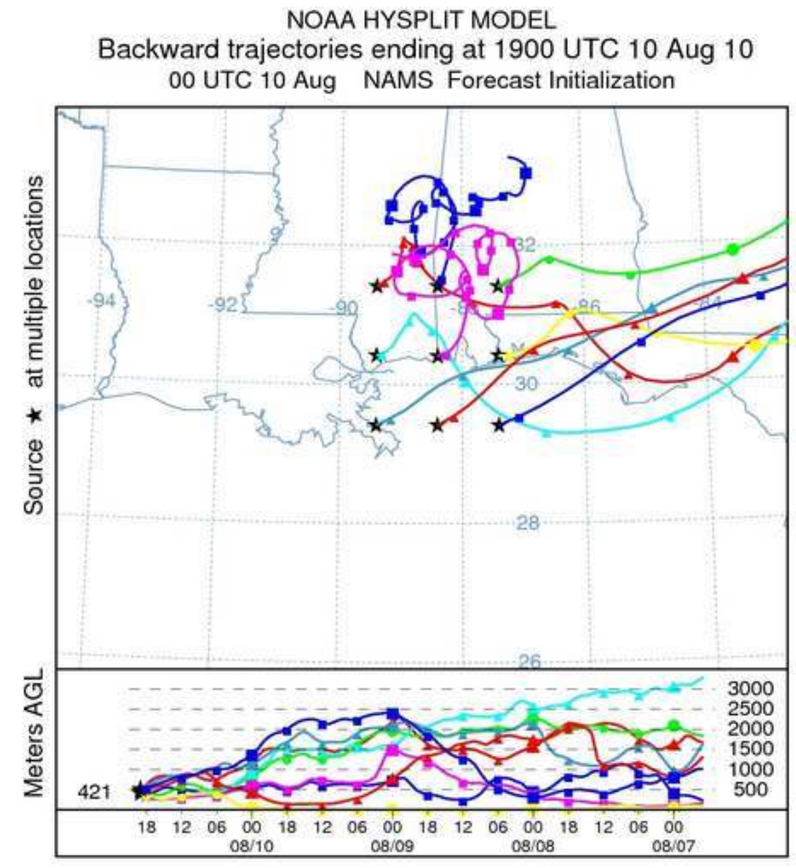
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
08/10
08/09
08/08
08/07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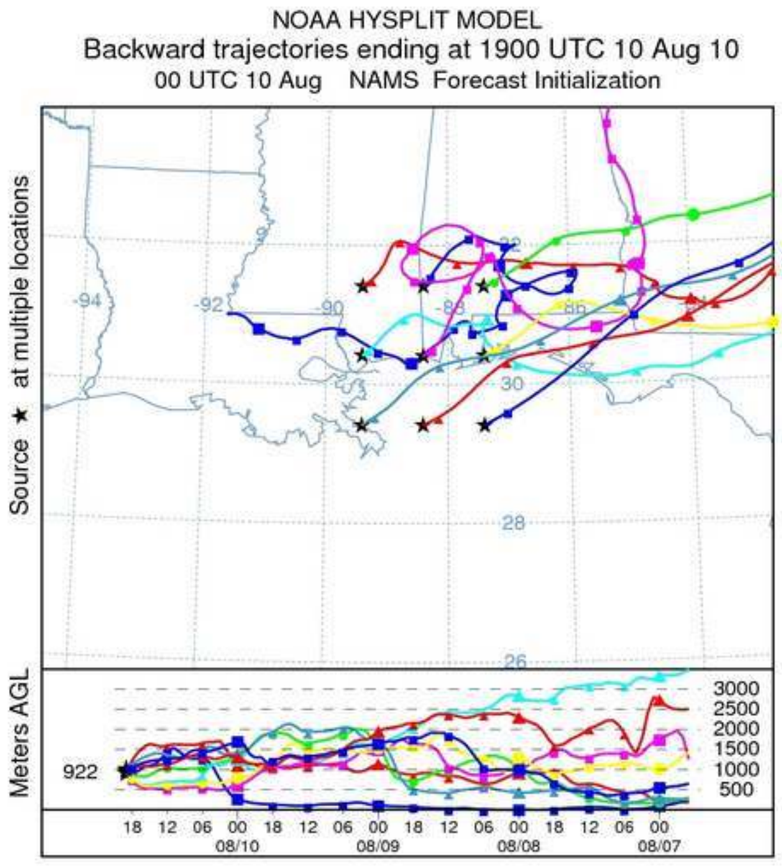
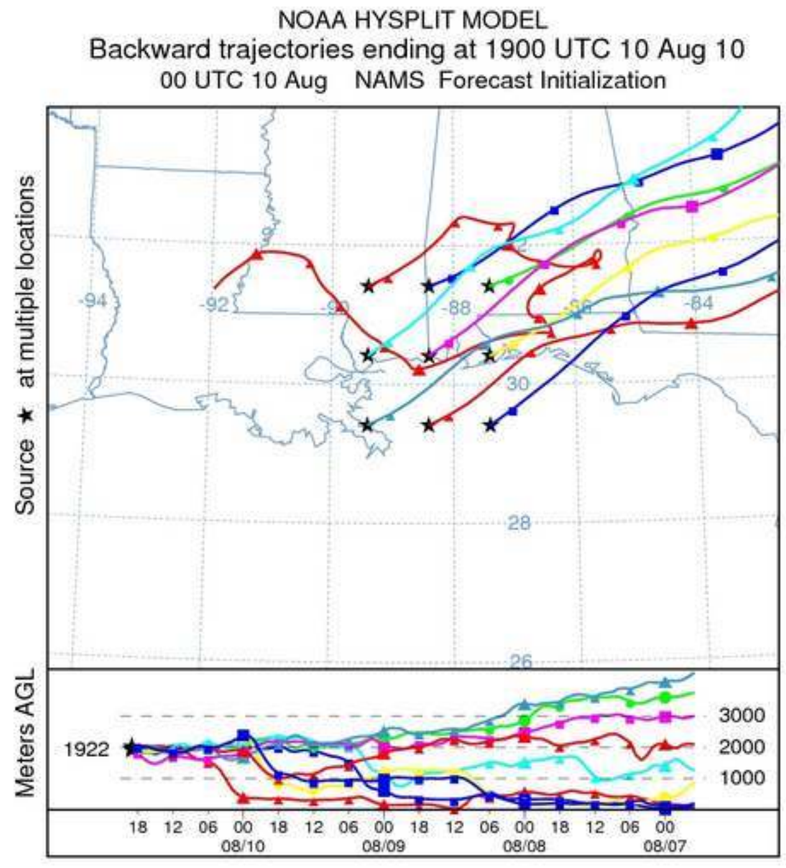
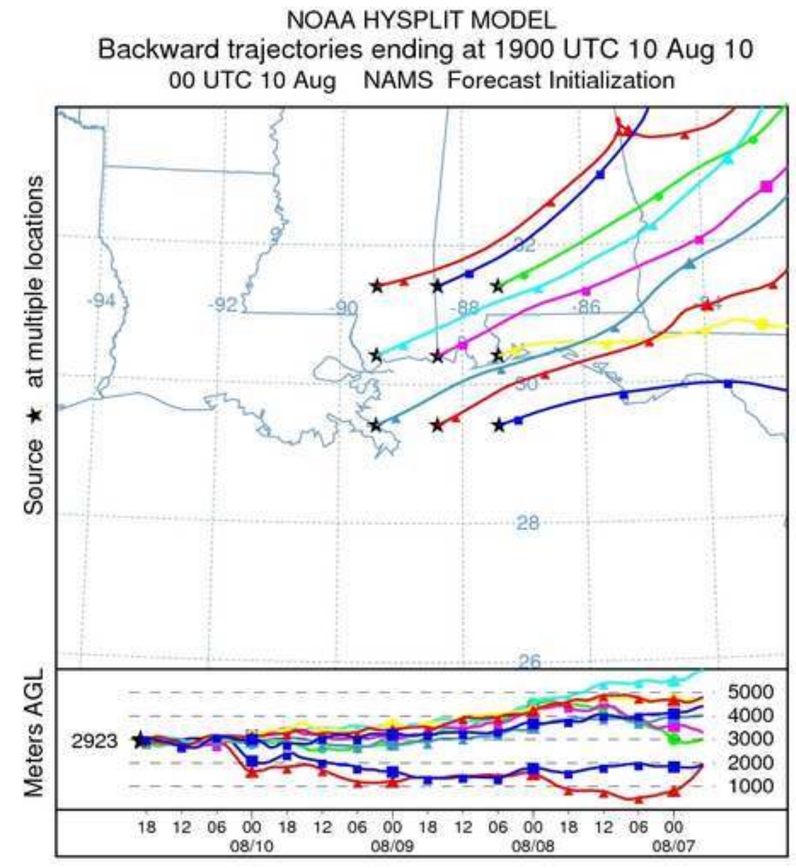
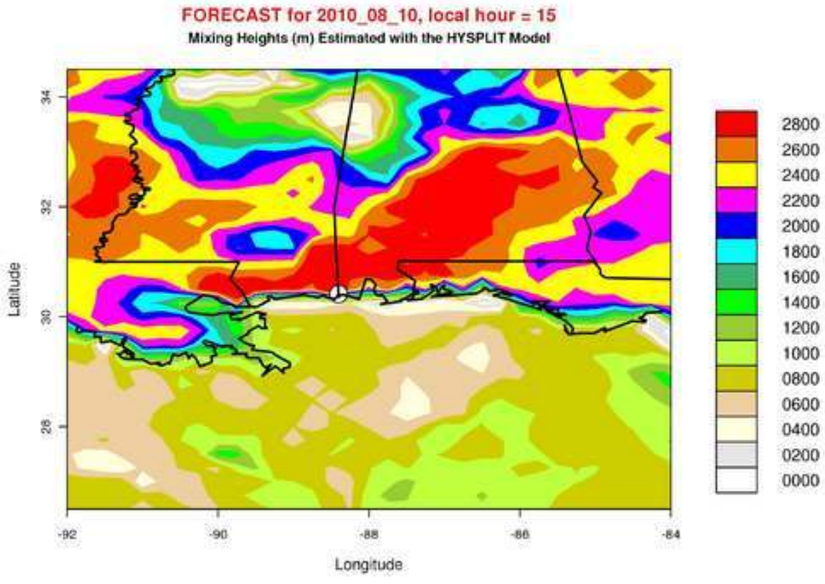
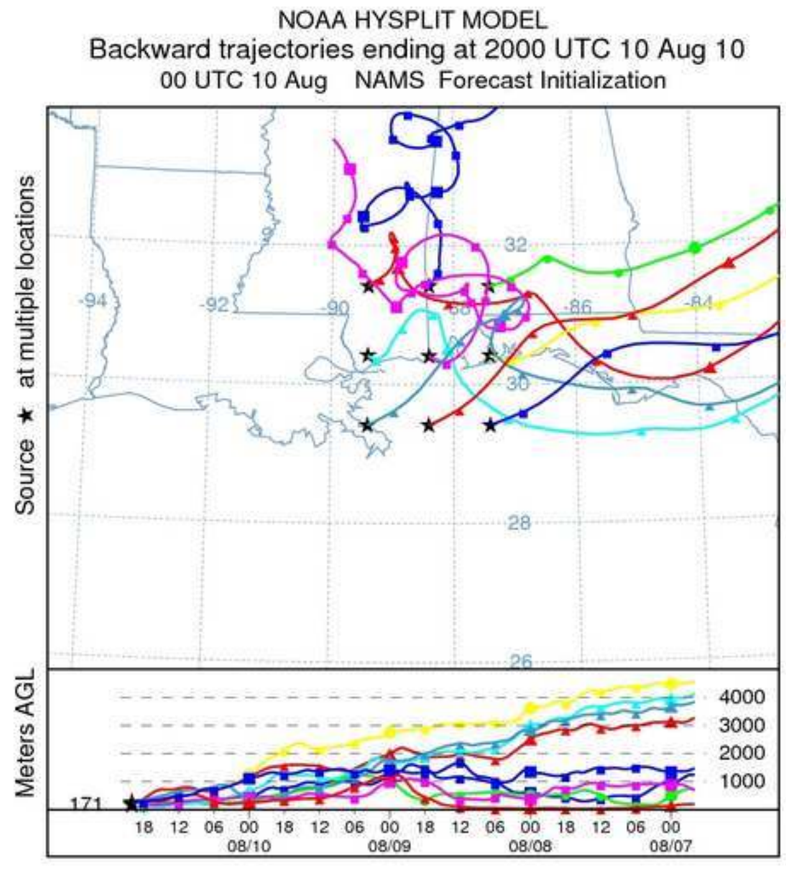
Source ★ at multiple locations
Meters AGL
421
08/10
08/09
08/08
08/07

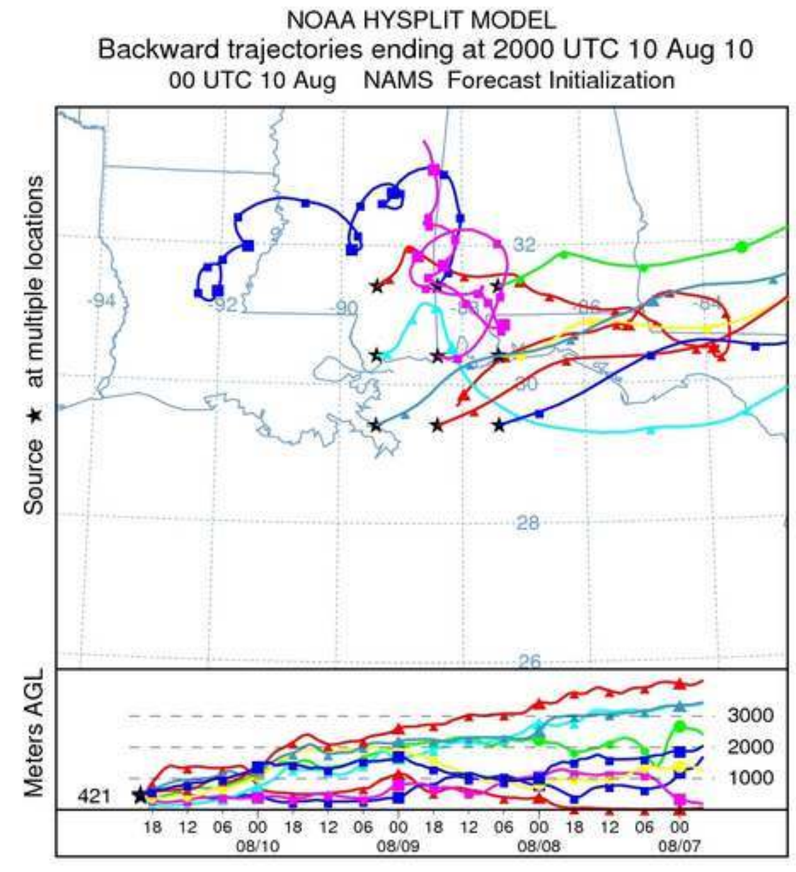

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
922
08/10
08/09
08/08
08/07

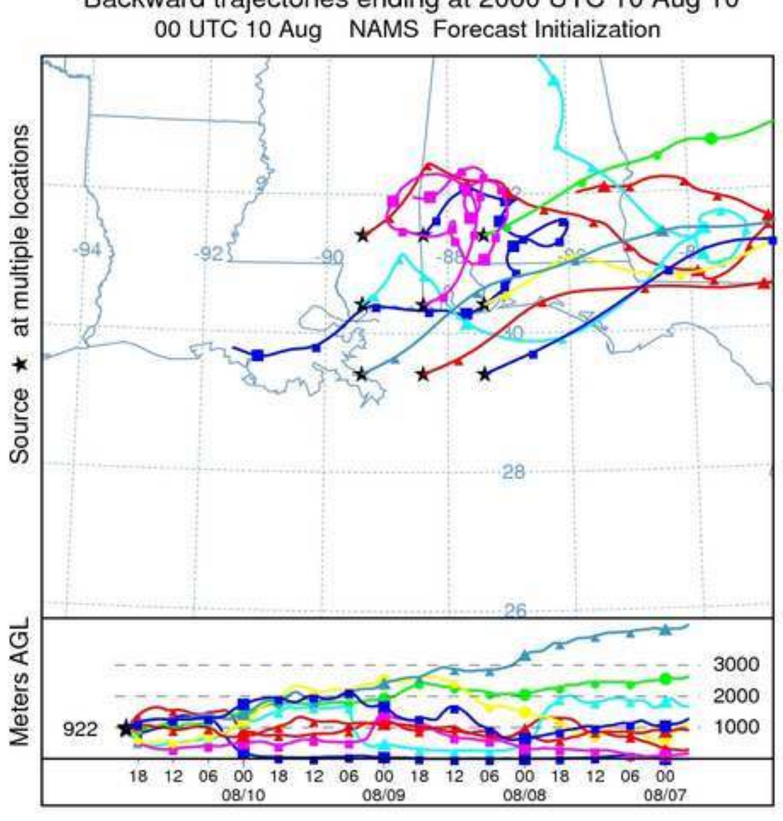

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
08/10
08/09
08/08
08/07

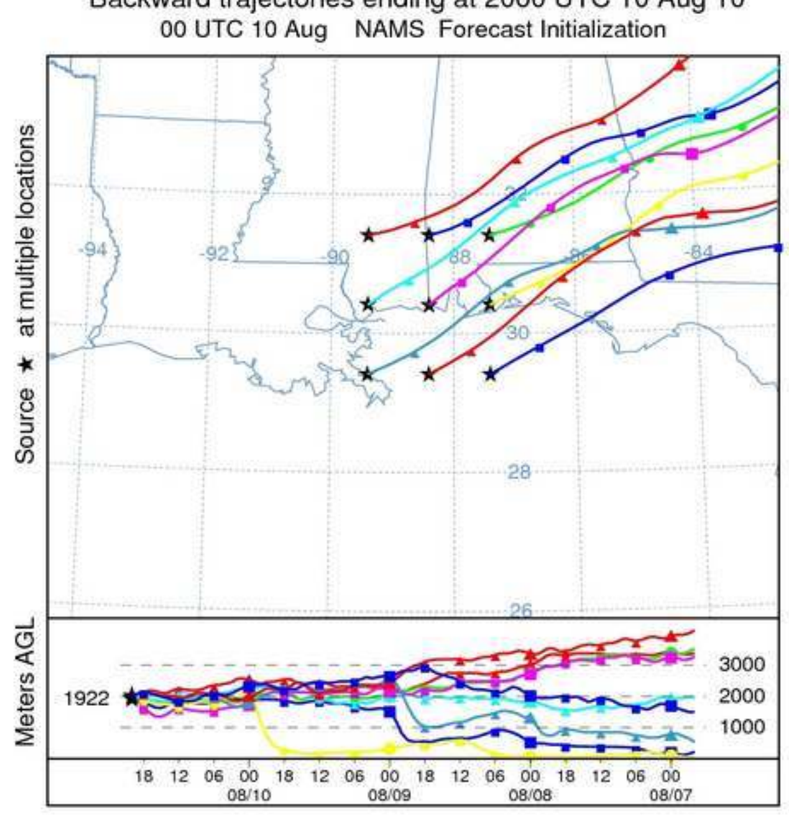

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2923
08/10
08/09
08/08
08/07

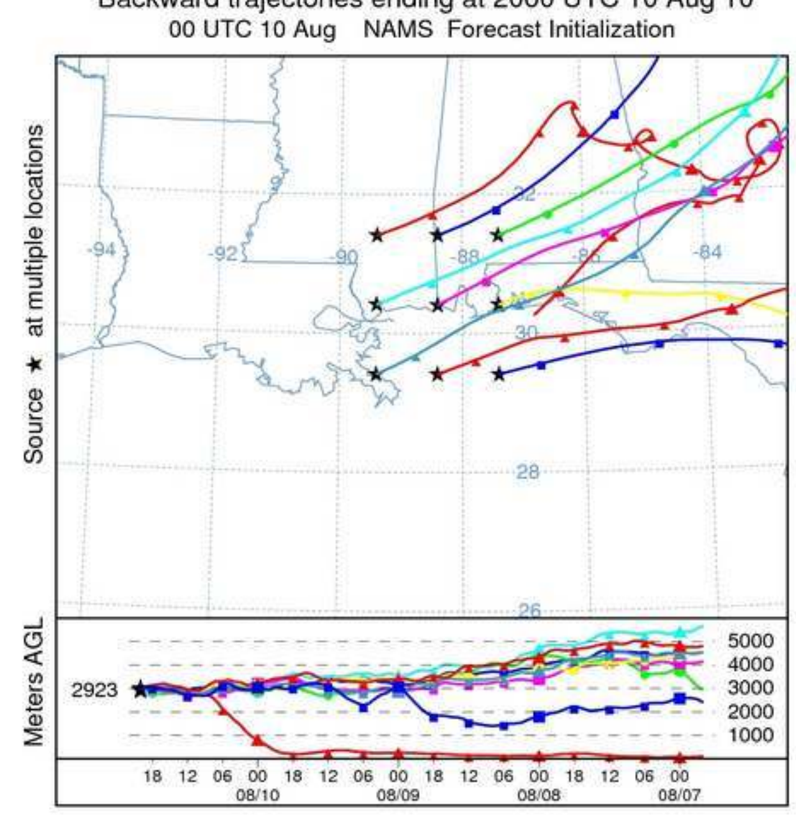

FORECAST for 2010_08_10, local hour = 15
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

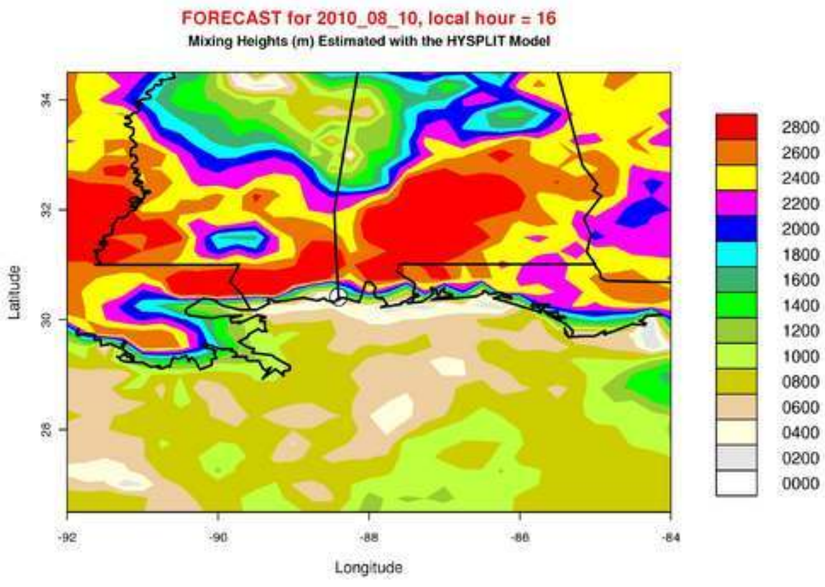

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
4000
3000
2000
1000
08/10
08/09
08/08
08/07

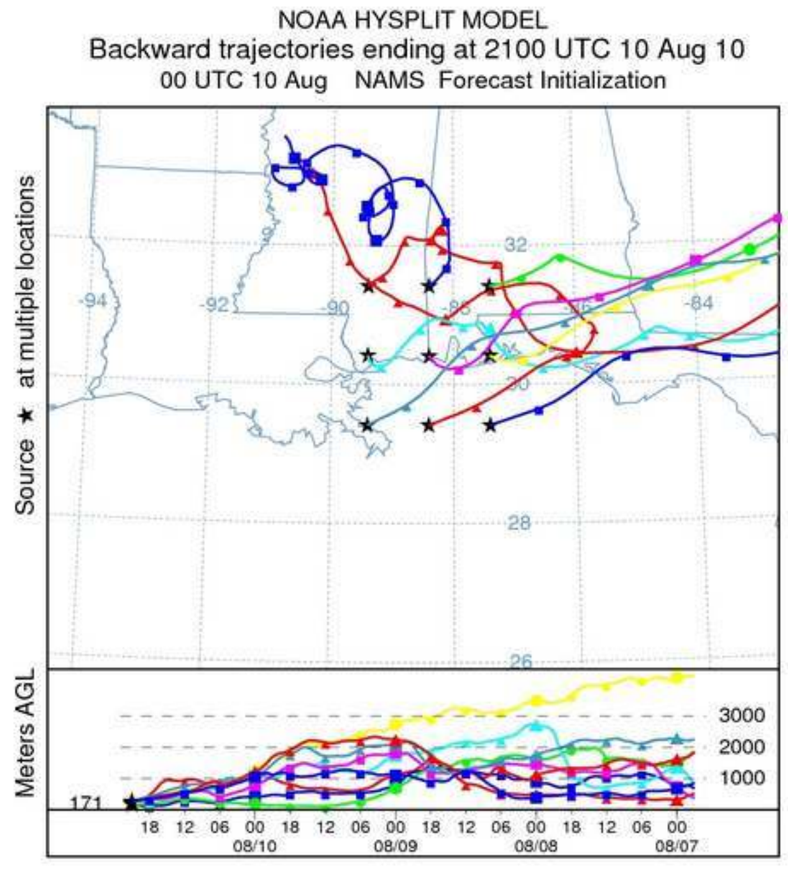

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
3000
2000
1000
08/10
08/09
08/08
08/07

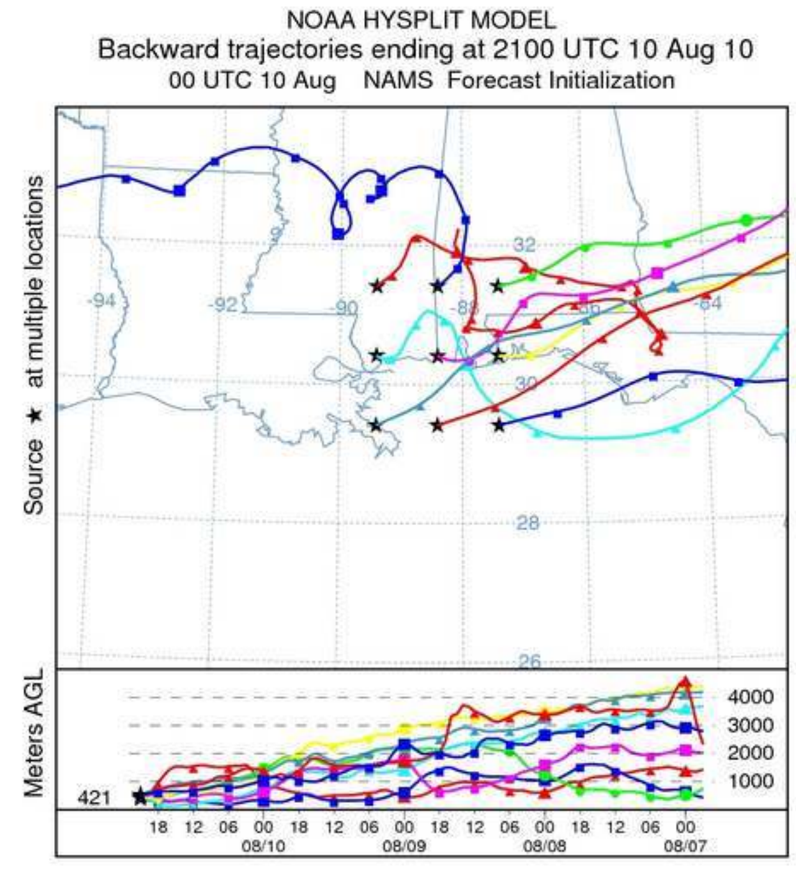

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
922
3000
2000
1000
08/10
08/09
08/08
08/07

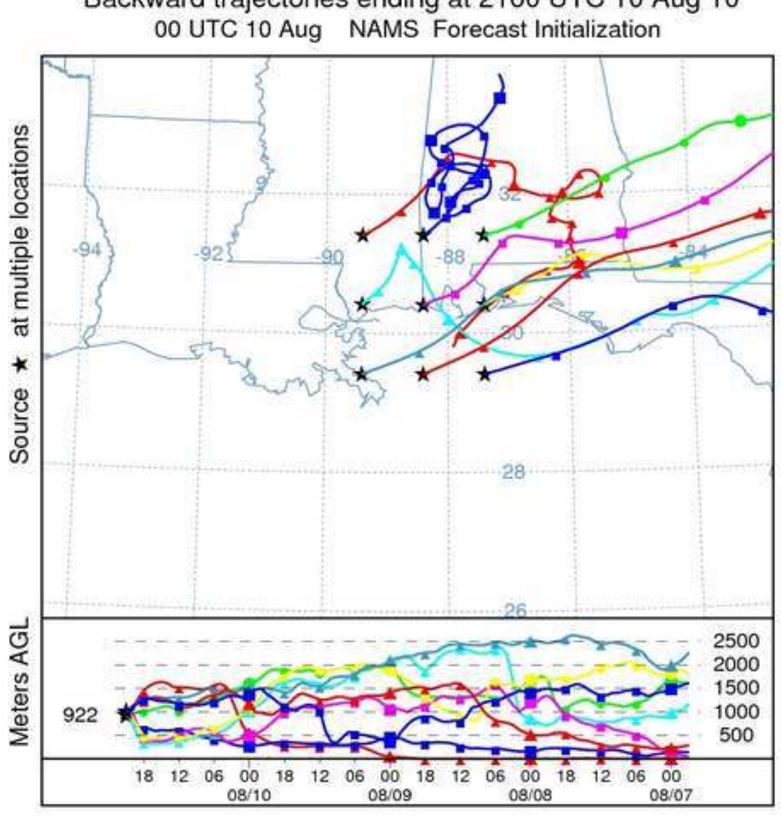

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
3000
2000
1000
08/10
08/09
08/08
08/07

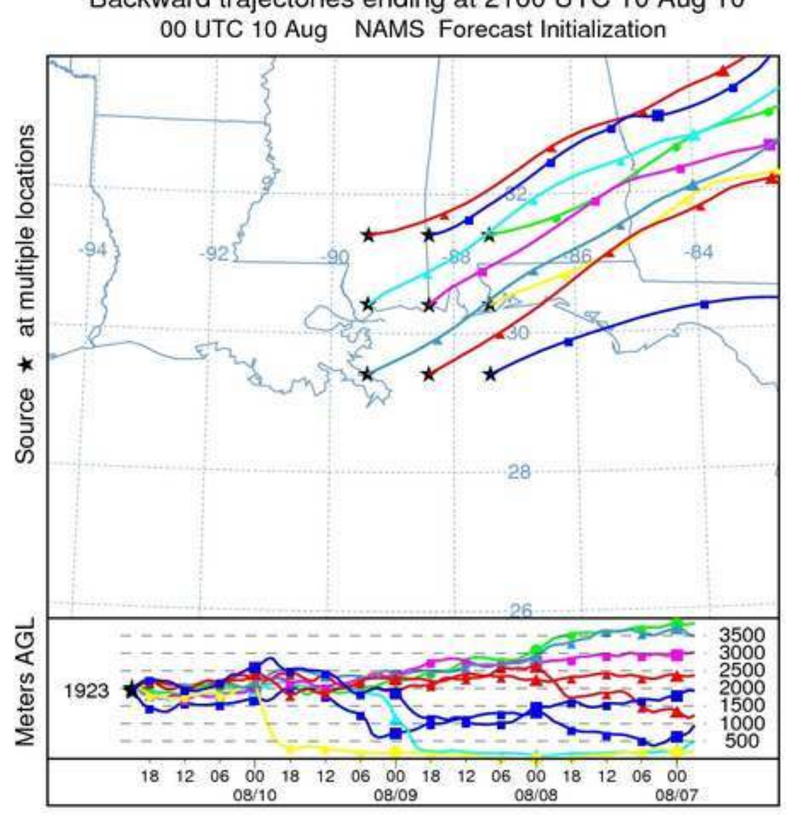

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2923
5000
4000
3000
2000
1000
08/10
08/09
08/08
08/07

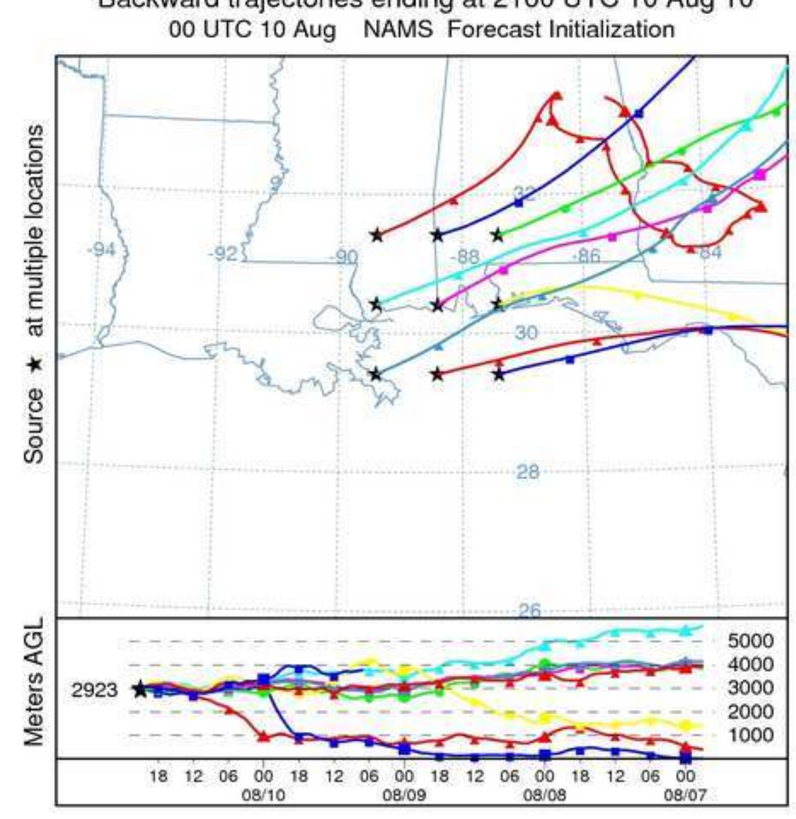

FORECAST for 2010_08_10, local hour = 16
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

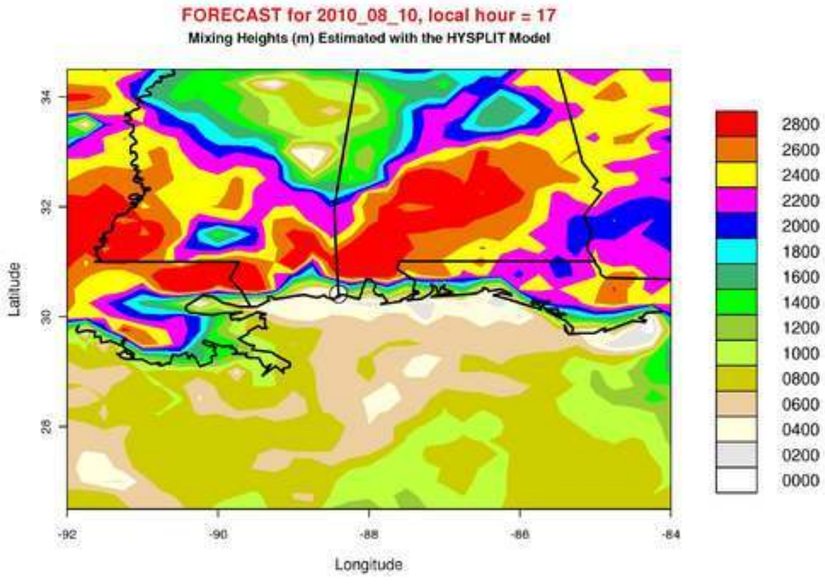

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
3000
2000
1000
08/10
08/09
08/08
08/07

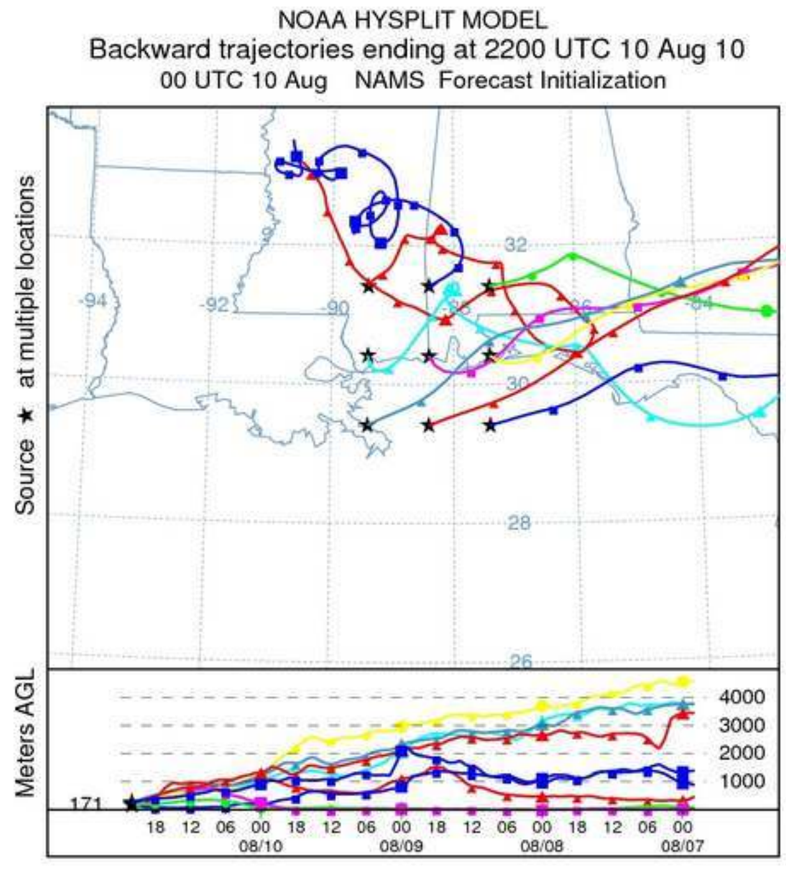

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
4000
3000
2000
1000
08/10
08/09
08/08
08/07

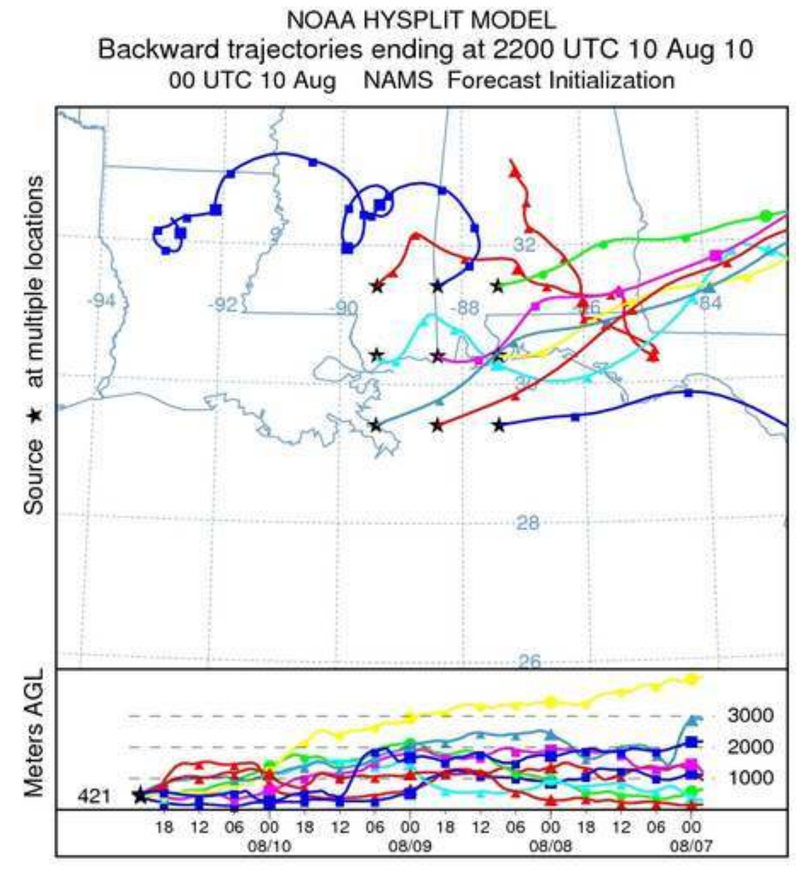

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
922
2500
2000
1500
1000
500
08/10
08/09
08/08
08/07

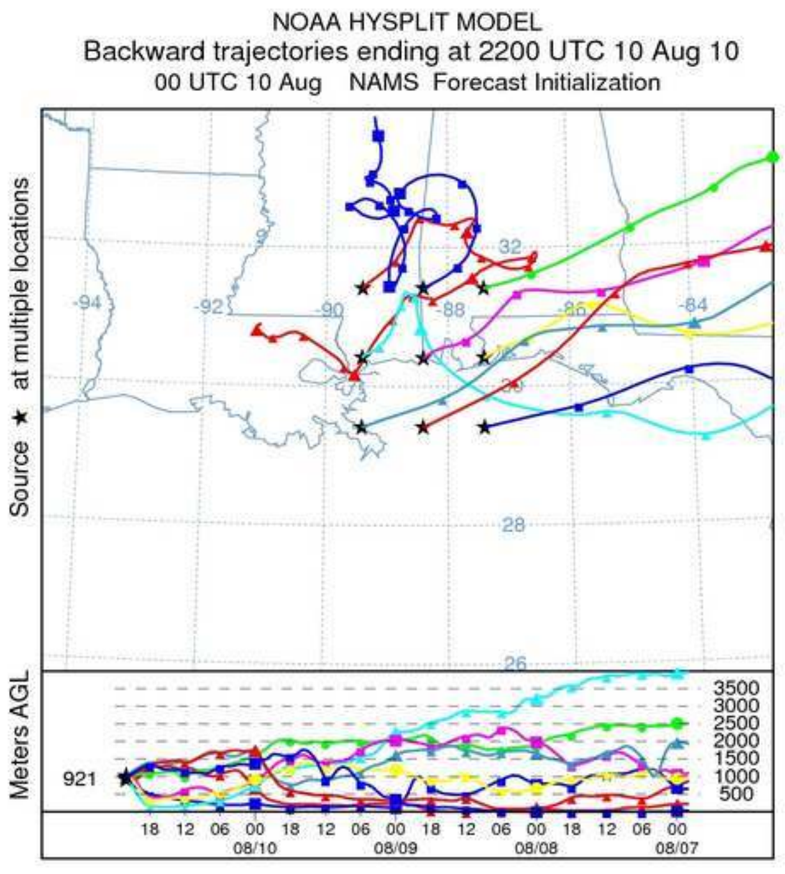

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1923
3500
3000
2500
2000
1500
1000
500
08/10
08/09
08/08
08/07

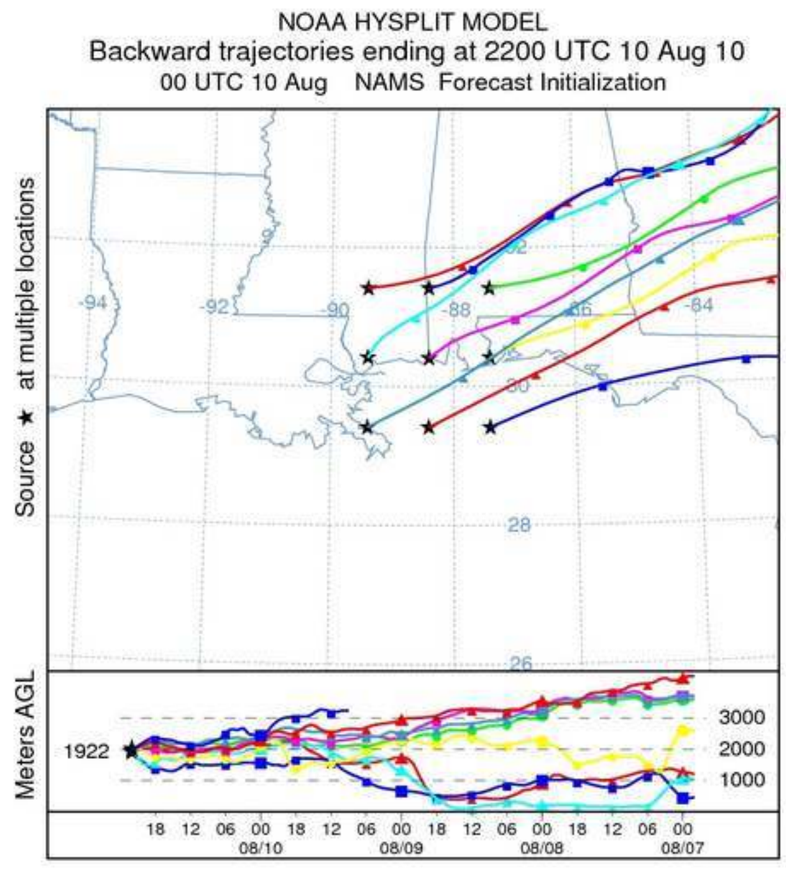

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2923
5000
4000
3000
2000
1000
08/10
08/09
08/08
08/07

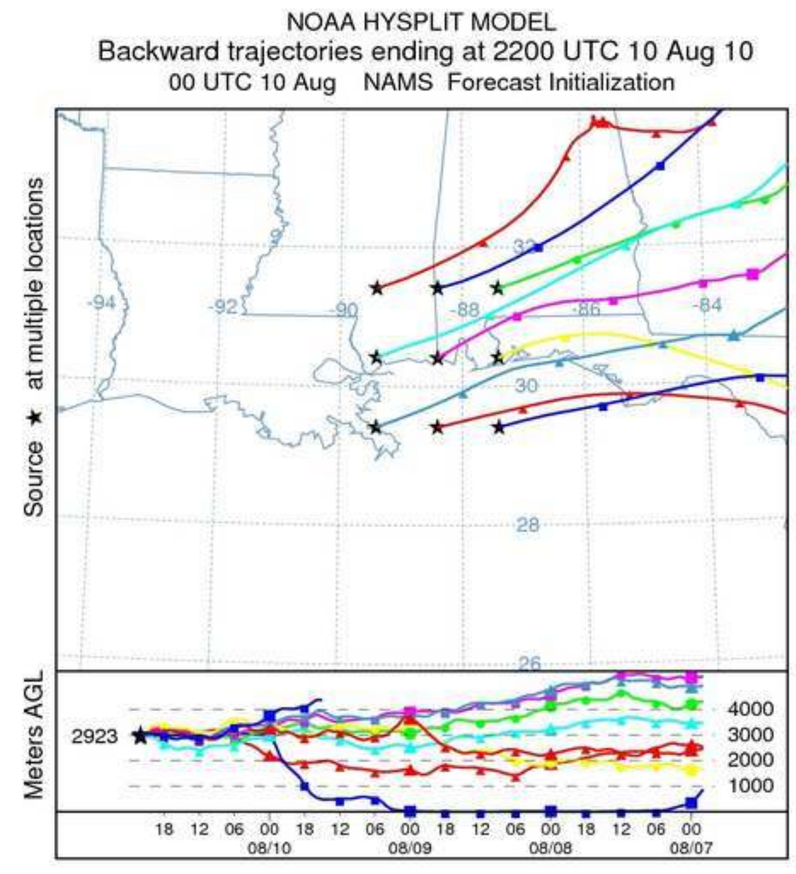

FORECAST for 2010_08_10, local hour = 17
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

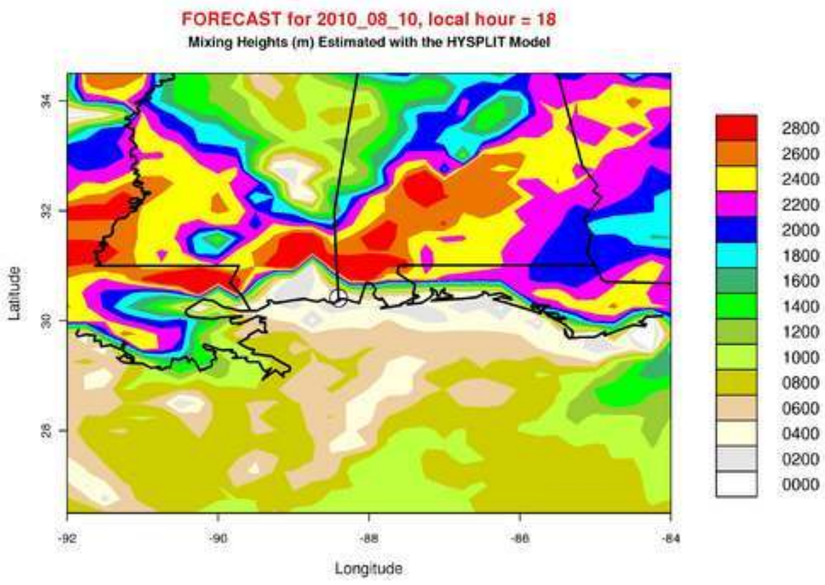

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
4000
3000
2000
1000
08/10
08/09
08/08
08/07

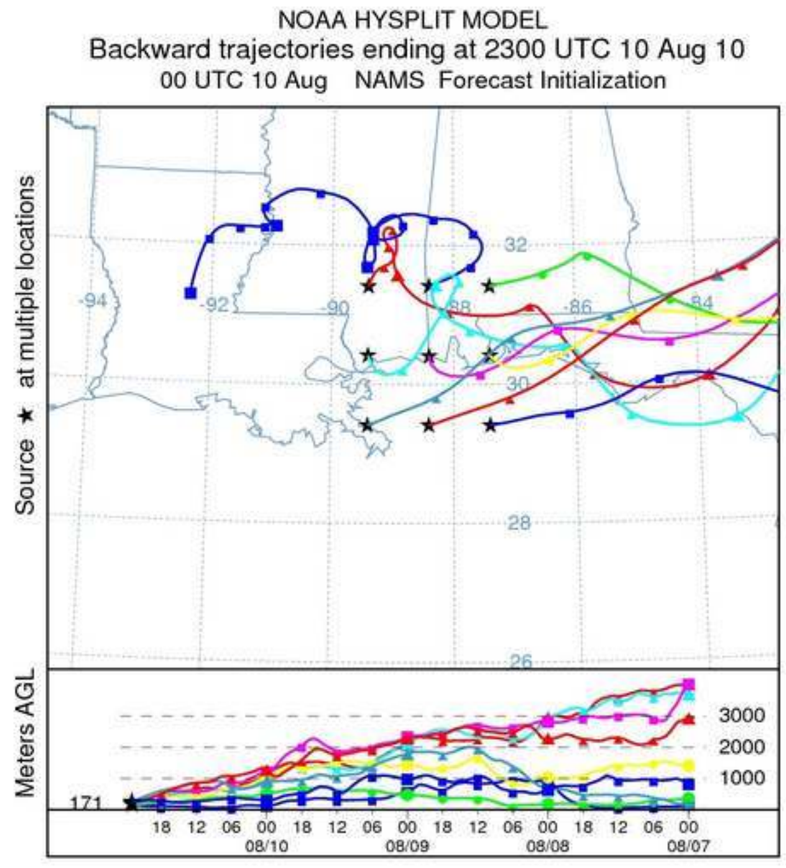

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
3000
2000
1000
08/10
08/09
08/08
08/07

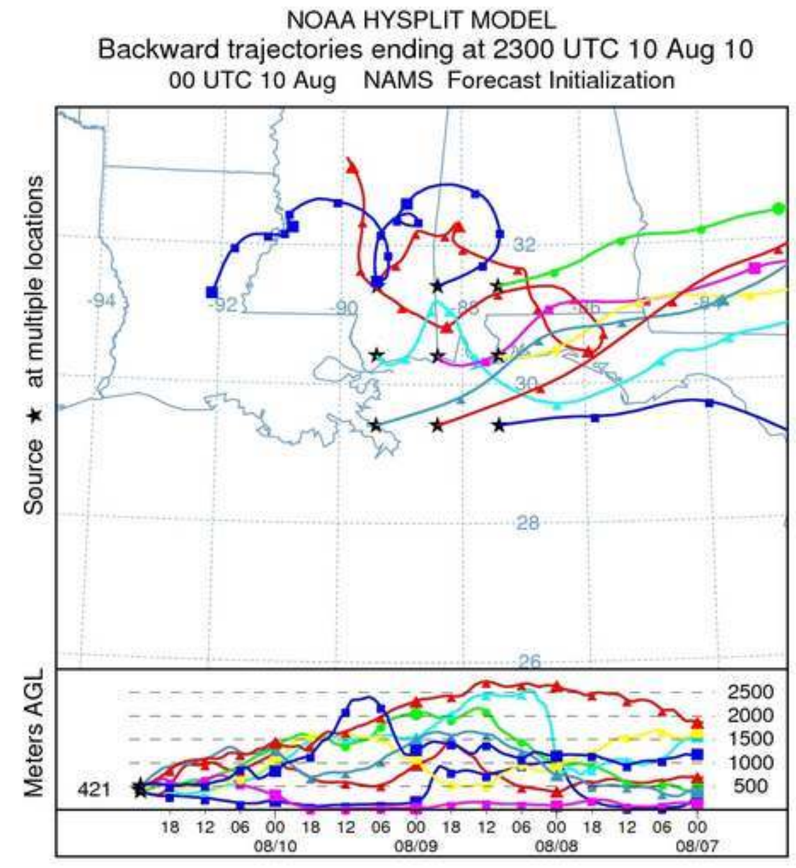

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3500
3000
2500
2000
1500
1000
500
08/10
08/09
08/08
08/07

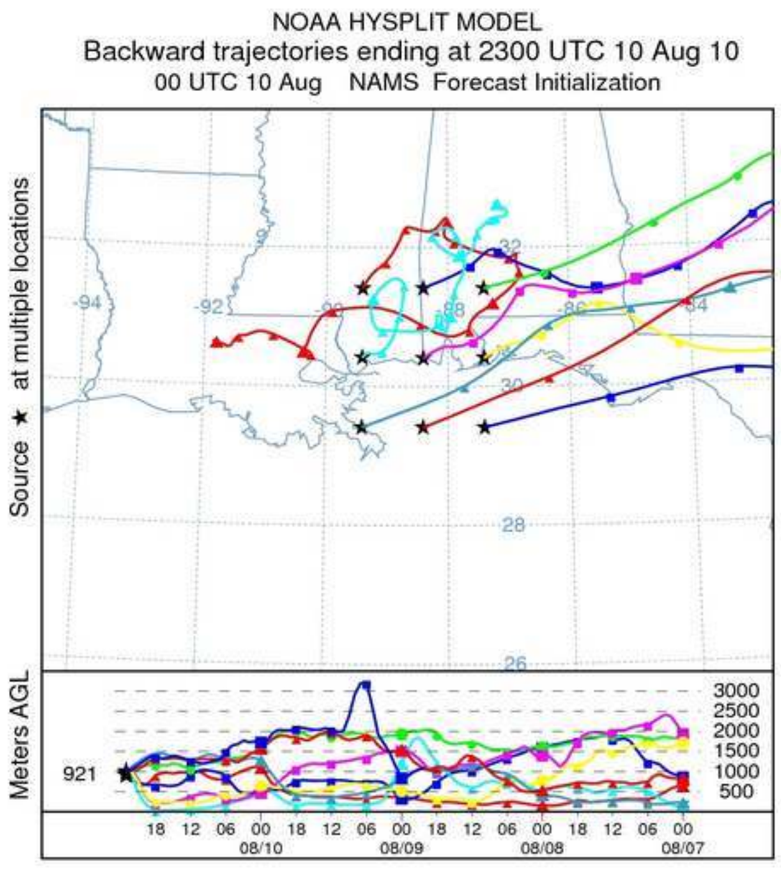

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
3000
2000
1000
08/10
08/09
08/08
08/07

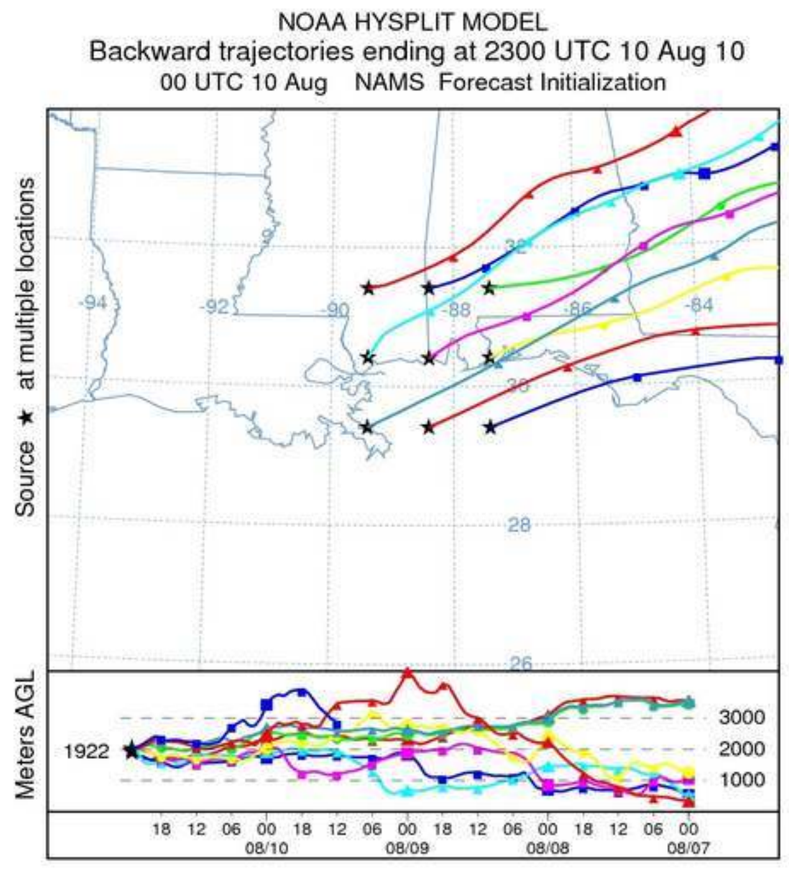

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2923
4000
3000
2000
1000
08/10
08/09
08/08
08/07

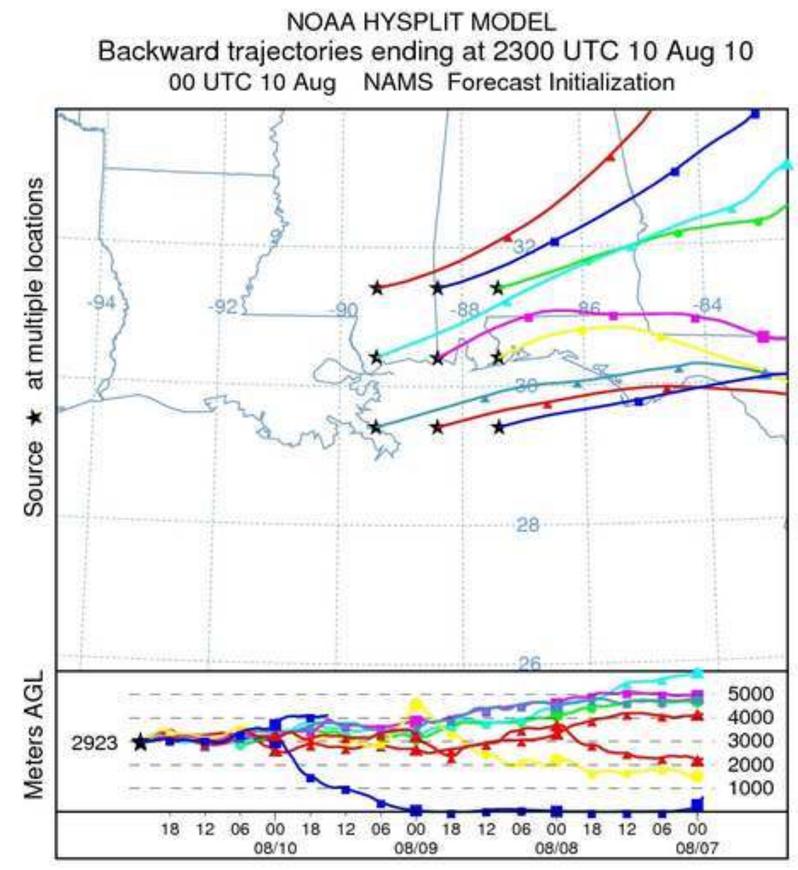

FORECAST for 2010_08_10, local hour = 18
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

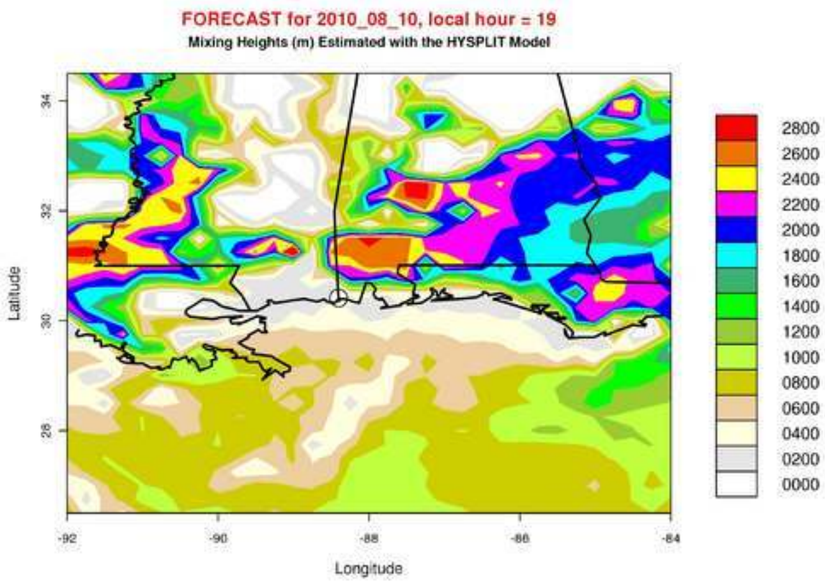

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
3000
2000
1000
08/10
08/09
08/08
08/07

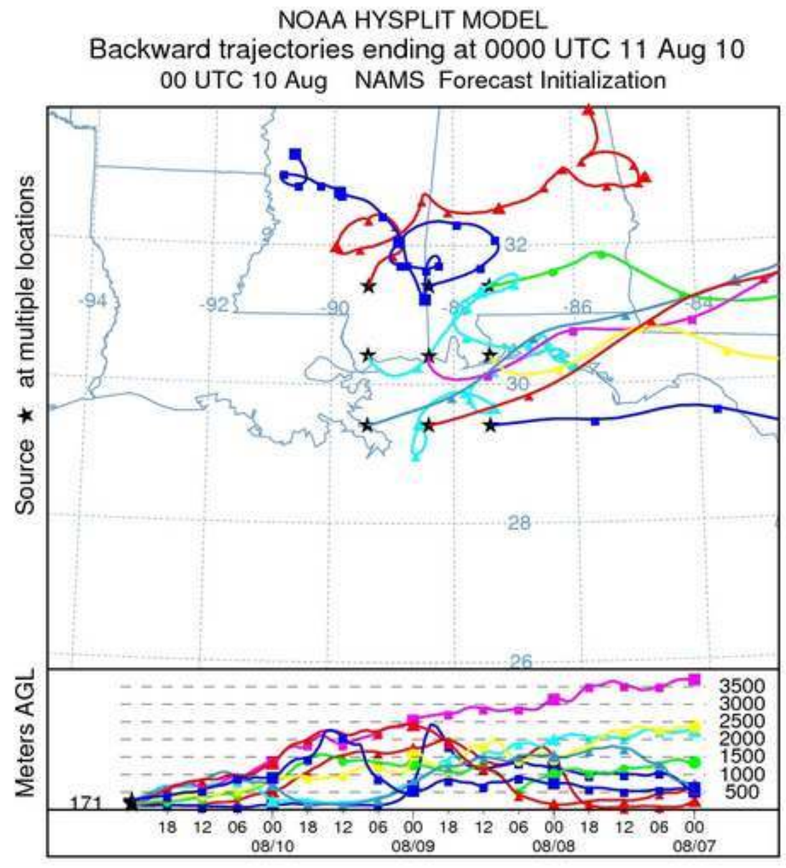

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
2500
2000
1500
1000
500
08/10
08/09
08/08
08/07

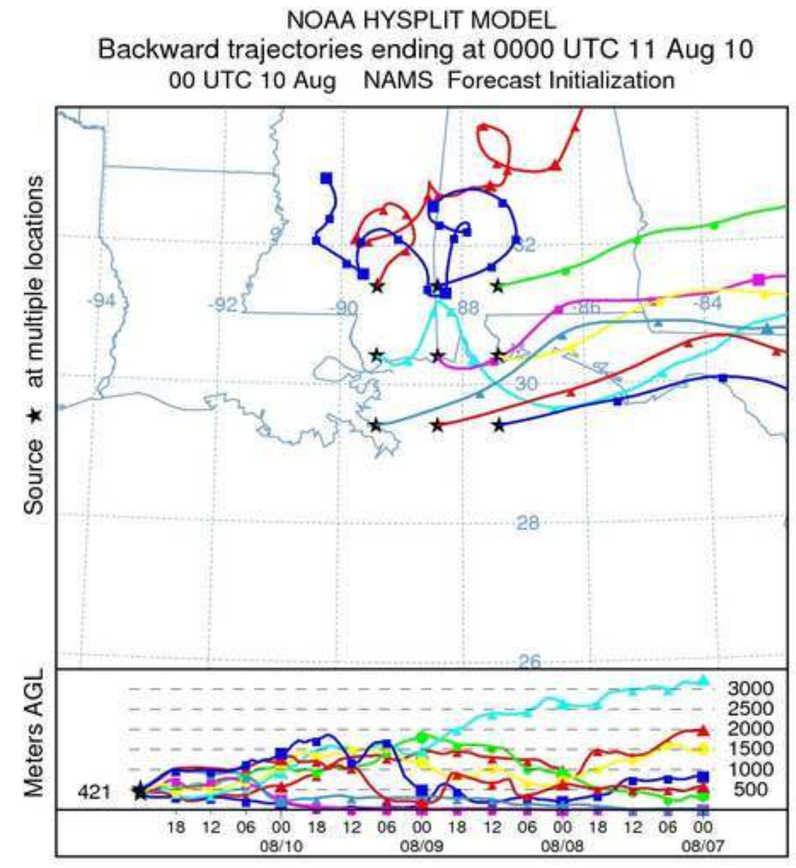

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3000
2500
2000
1500
1000
500
08/10
08/09
08/08
08/07

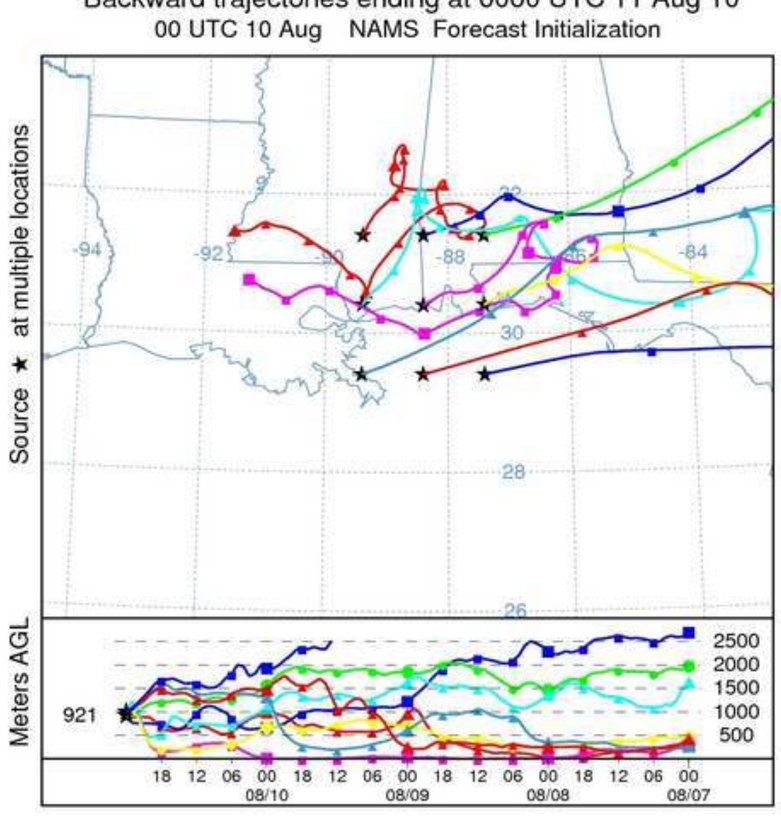

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
3000
2000
1000
08/10
08/09
08/08
08/07

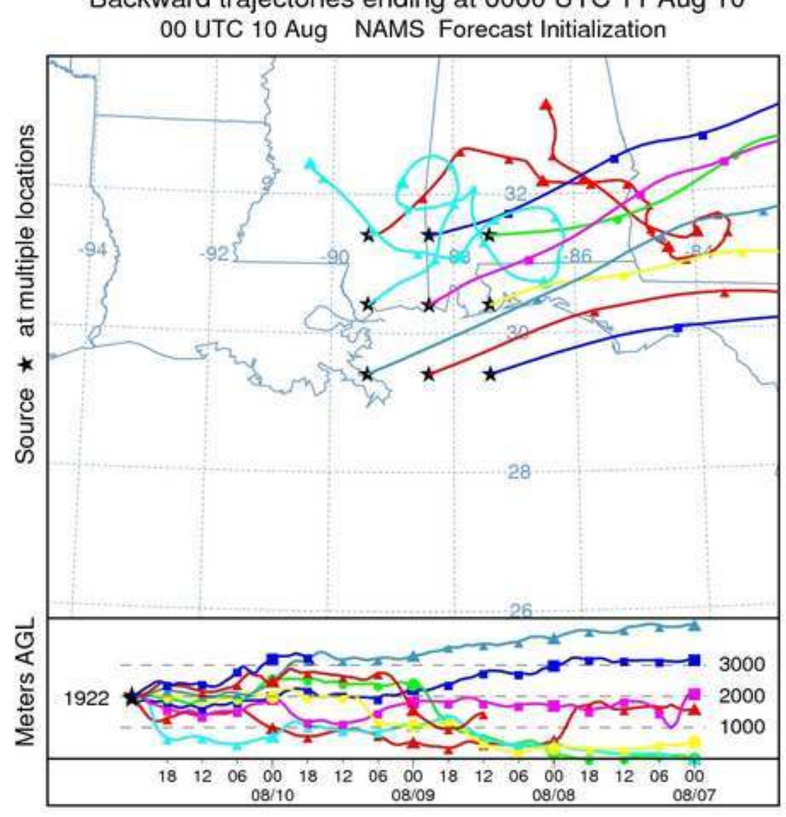

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 10 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2923
5000
4000
3000
2000
1000
08/10
08/09
08/08
08/07

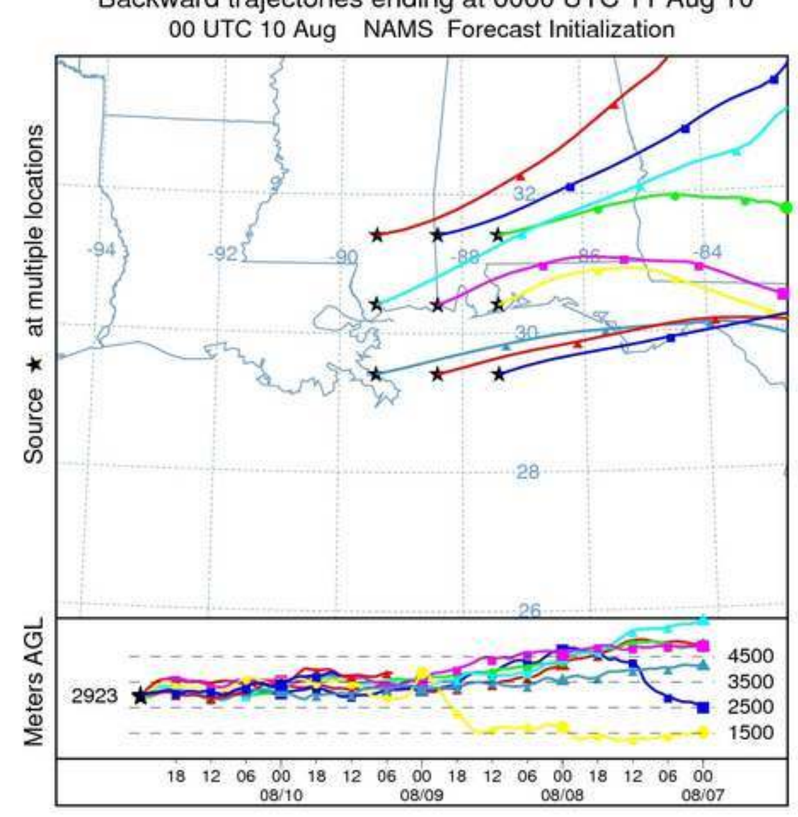

FORECAST for 2010_08_10, local hour = 19
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

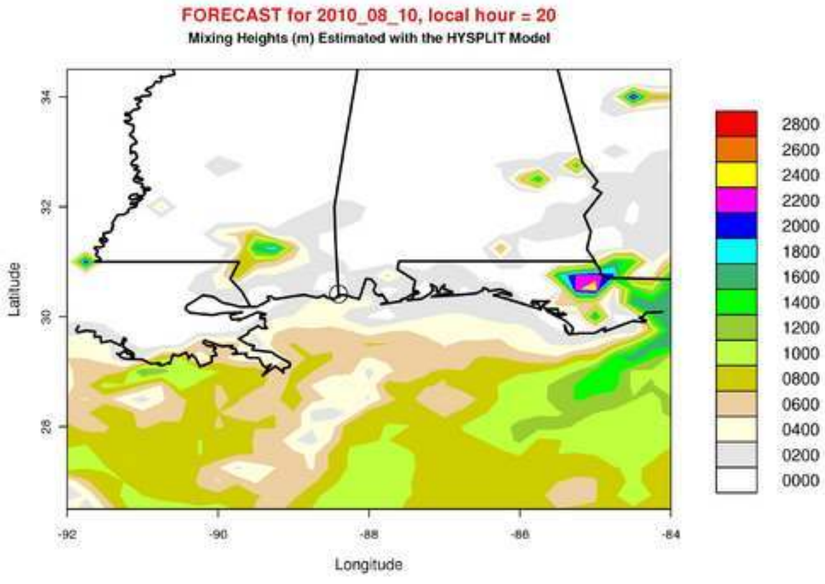

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 11 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
08/10
08/09
08/08
08/07

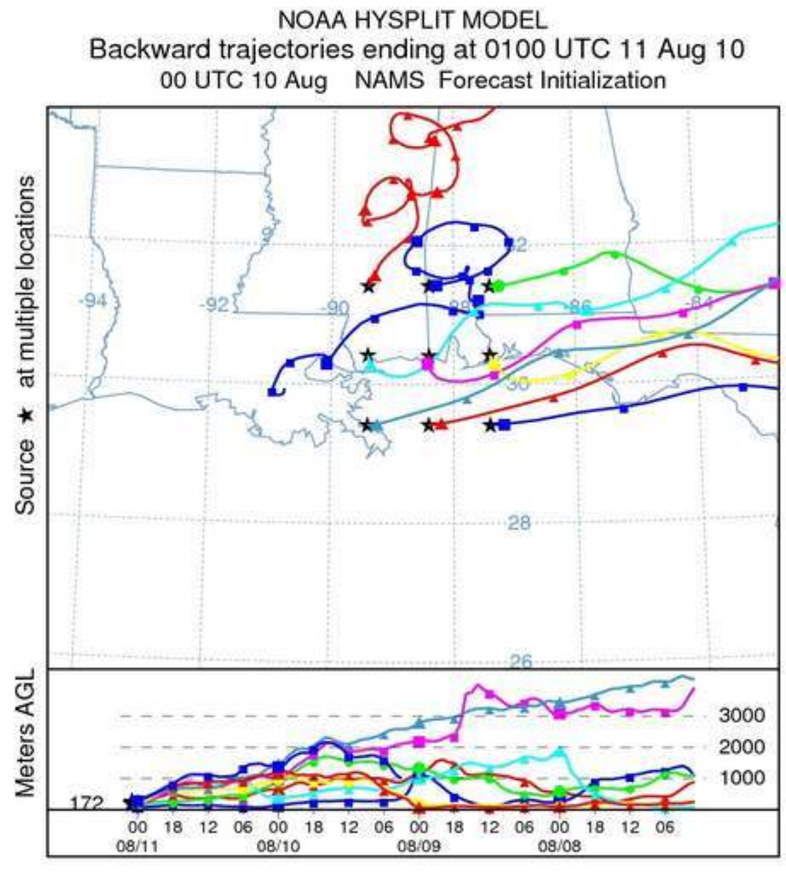

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 11 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
08/10
08/09
08/08
08/07

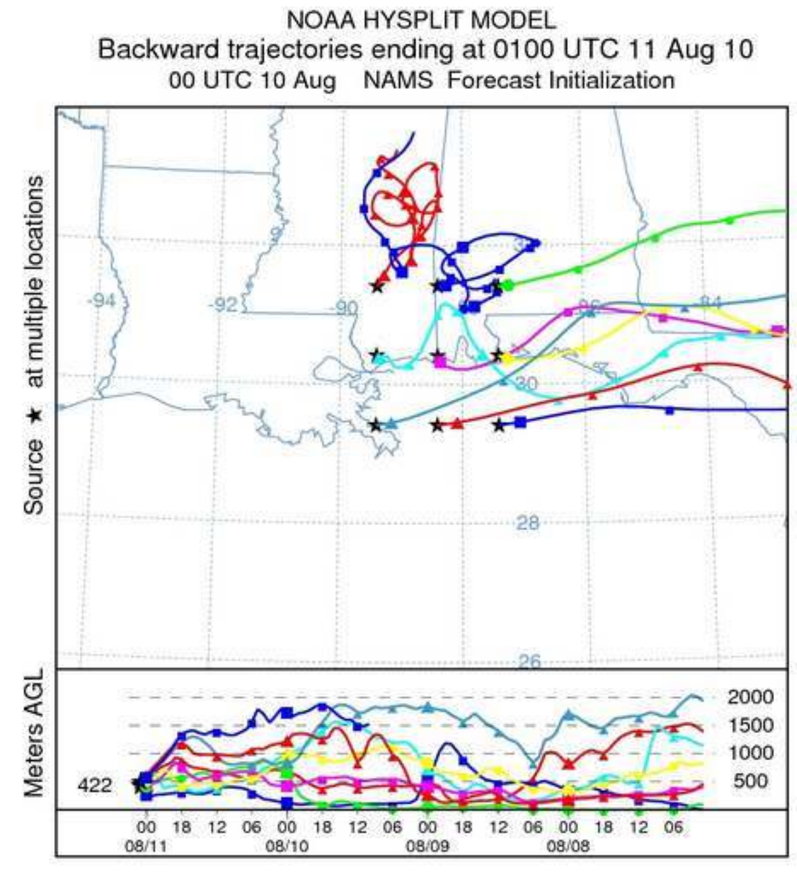

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 11 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
08/10
08/09
08/08
08/07

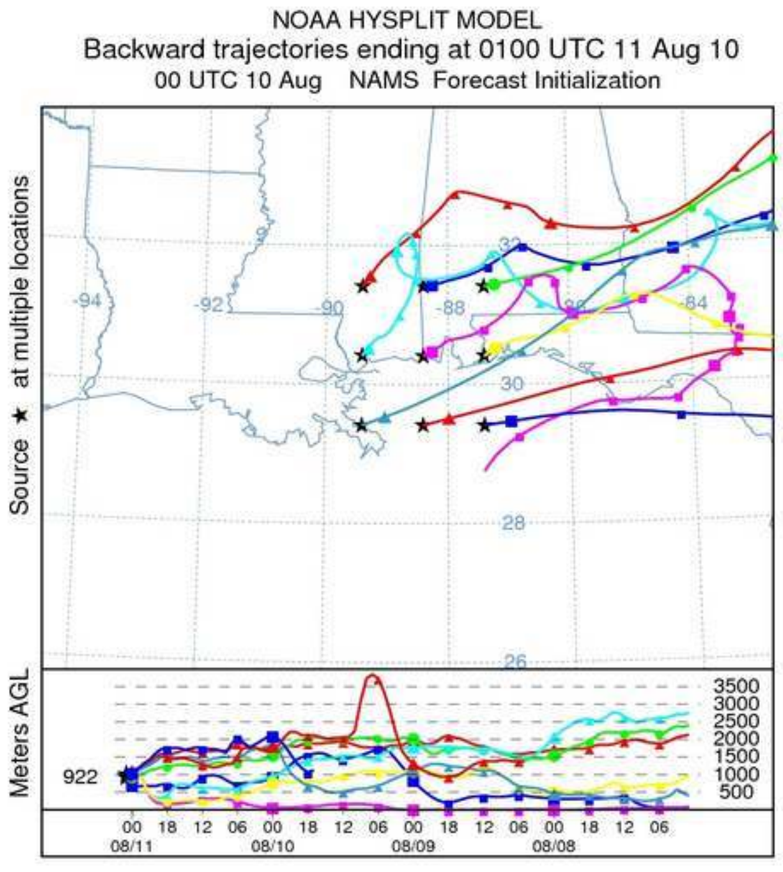

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 11 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
08/10
08/09
08/08
08/07

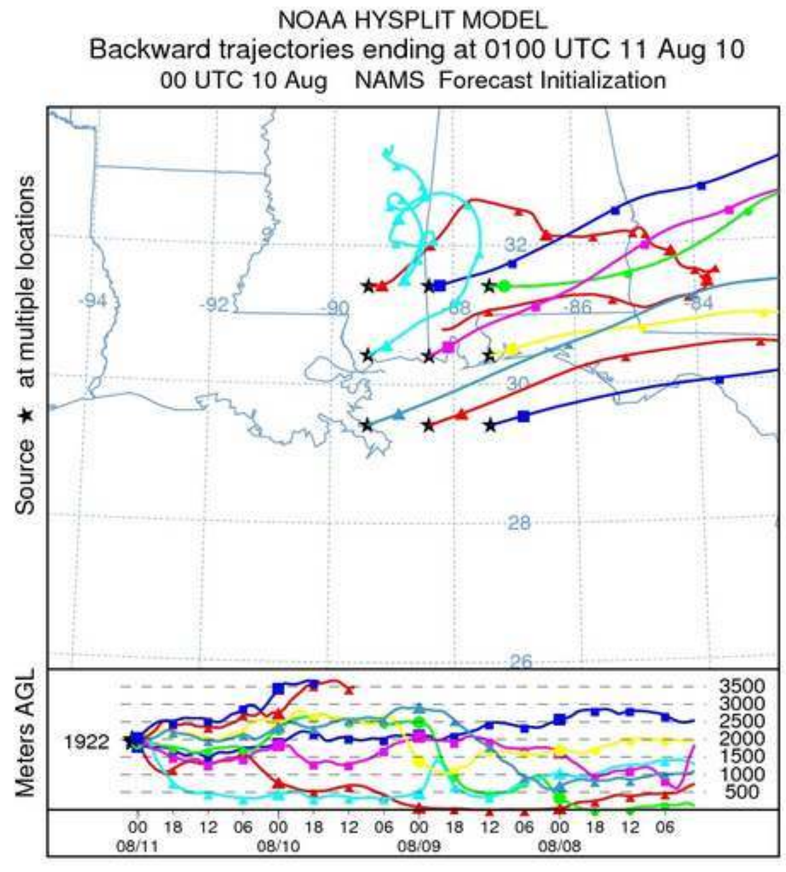

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 11 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2923
08/10
08/09
08/08
08/07

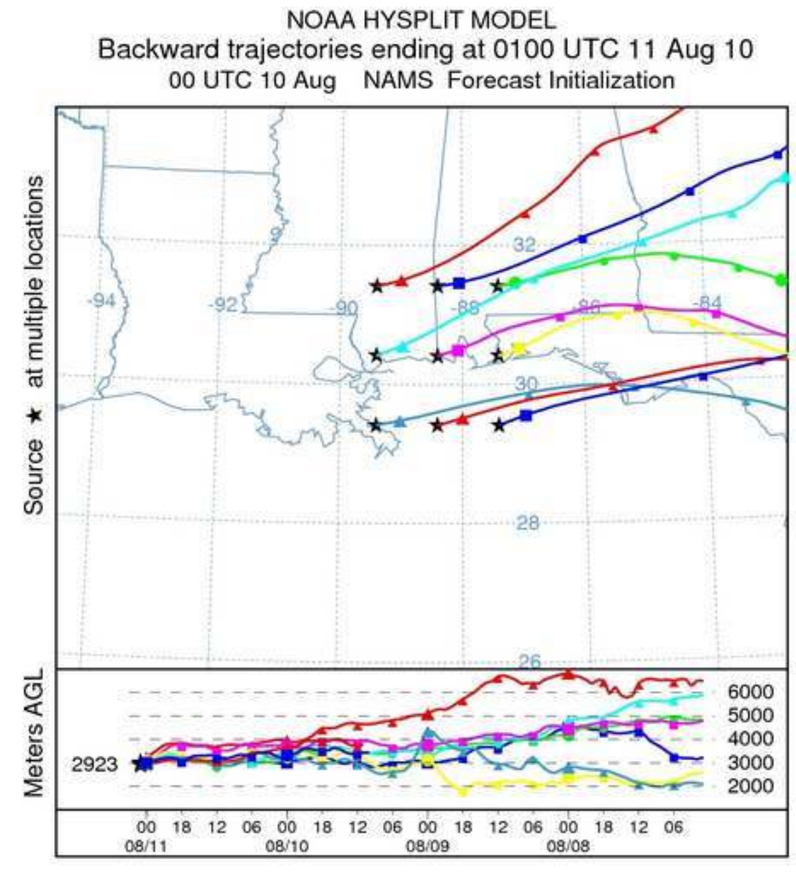

FORECAST for 2010_08_10, local hour = 20
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 11 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
172
3000
2000
1000
08/11
08/10
08/09
08/08

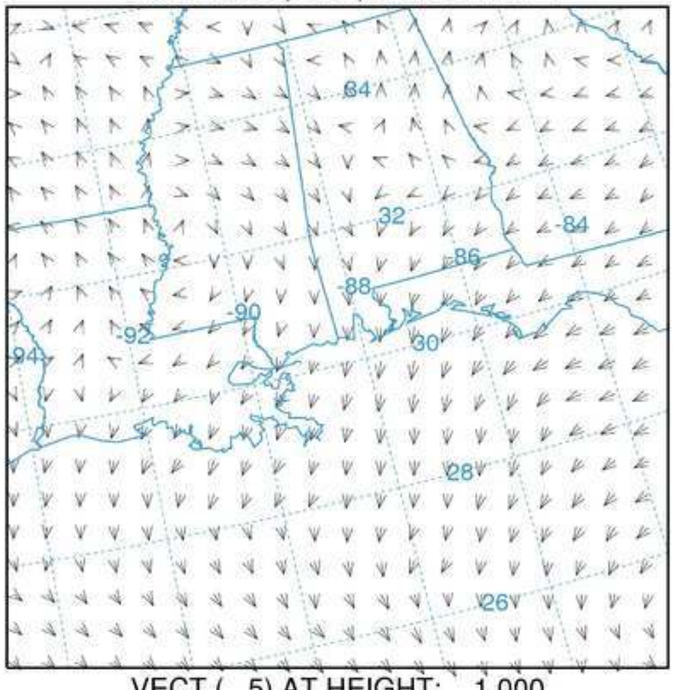

NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 11 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
422
2000
1500
1000
500
08/11
08/10
08/09
08/08


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 11 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
922
3500
3000
2500
2000
1500
1000
500
08/11
08/10
08/09
08/08


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 11 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
3500
3000
2500
2000
1500
1000
500
08/11
08/10
08/09
08/08


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 11 Aug 10
00 UTC 10 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2923
6000
5000
4000
3000
2000
08/11
08/10
08/09
08/08

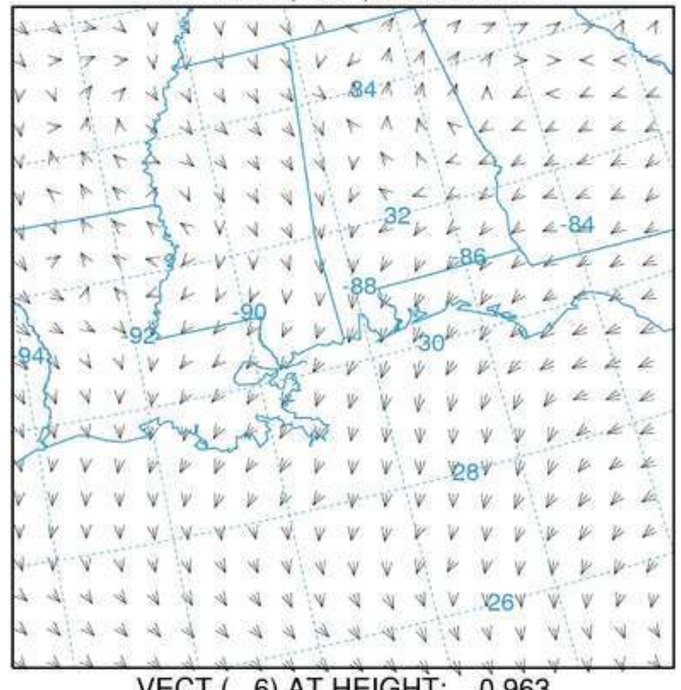
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/14



VECT (5) AT HEIGHT: 1.000

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

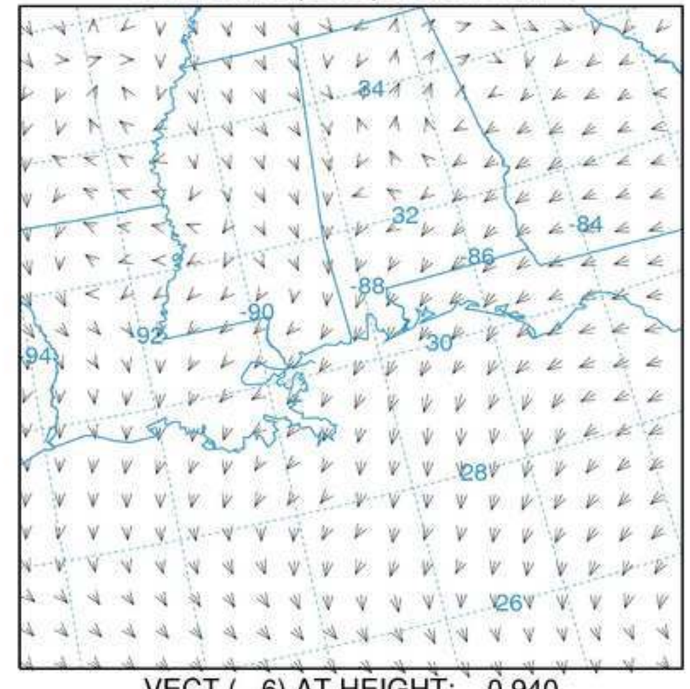
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/14



VECT (6) AT HEIGHT: 0.963

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

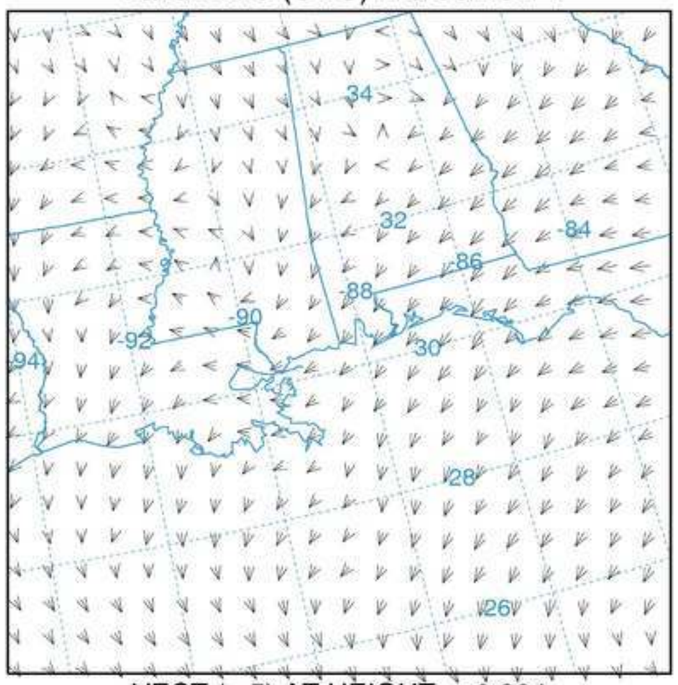
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/14



VECT (6) AT HEIGHT: 0.940

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

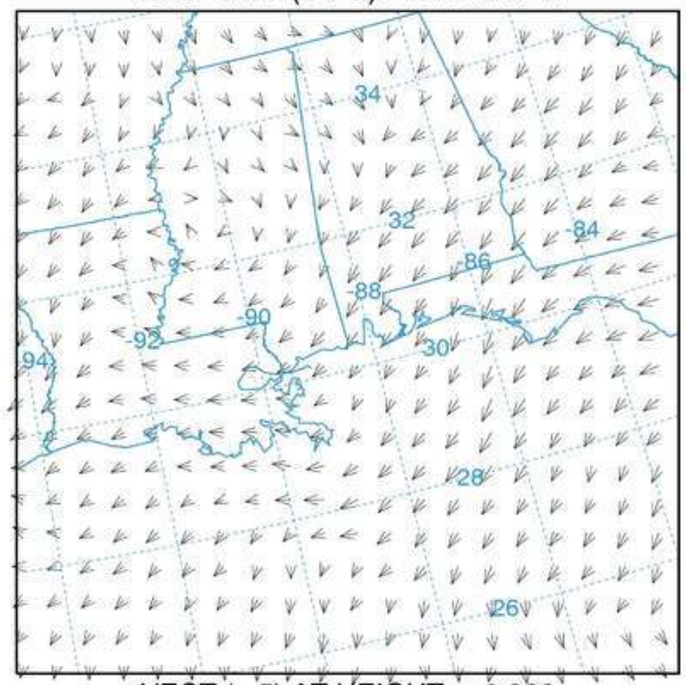
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/14



VECT (5) AT HEIGHT: 0.904

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

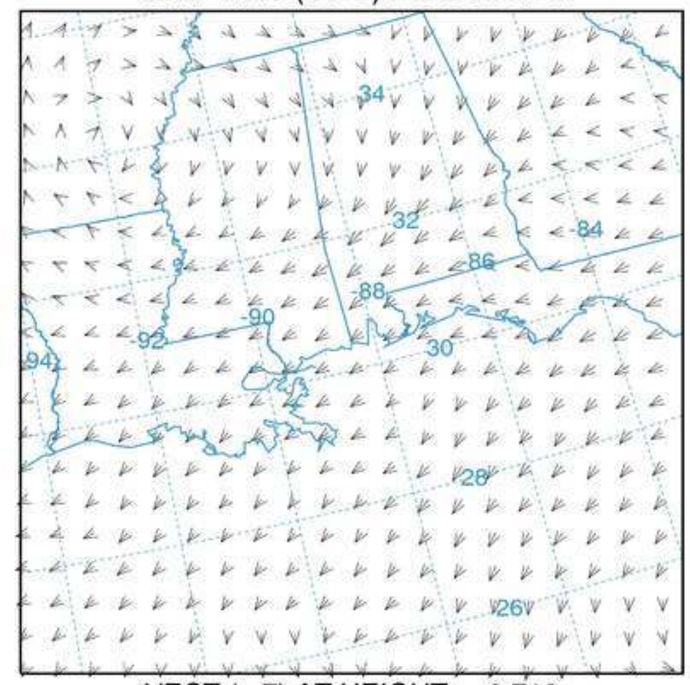
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/14



VECT (5) AT HEIGHT: 0.826

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

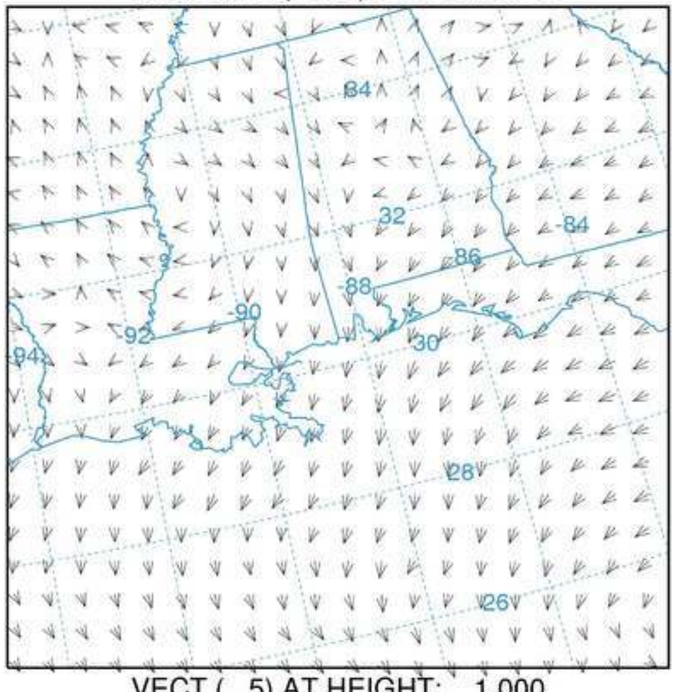
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/14



VECT (7) AT HEIGHT: 0.718

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

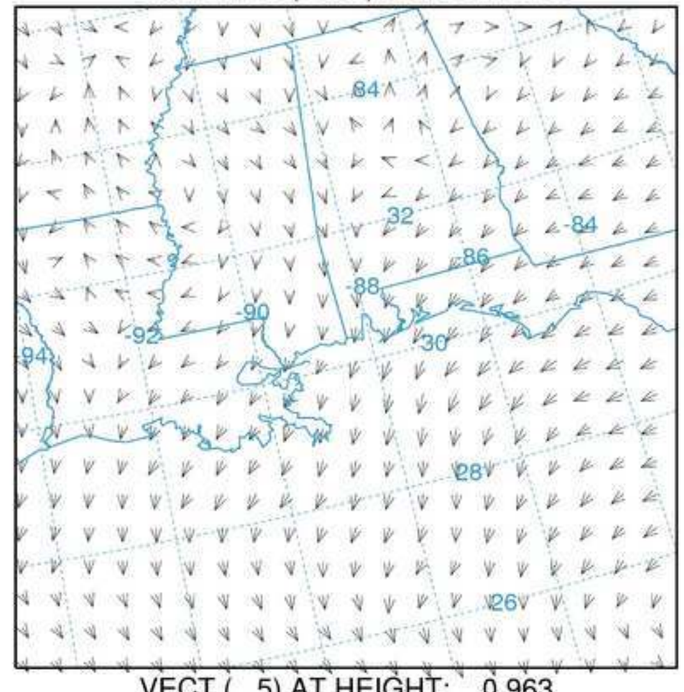
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/15



VECT (5) AT HEIGHT: 1.000

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

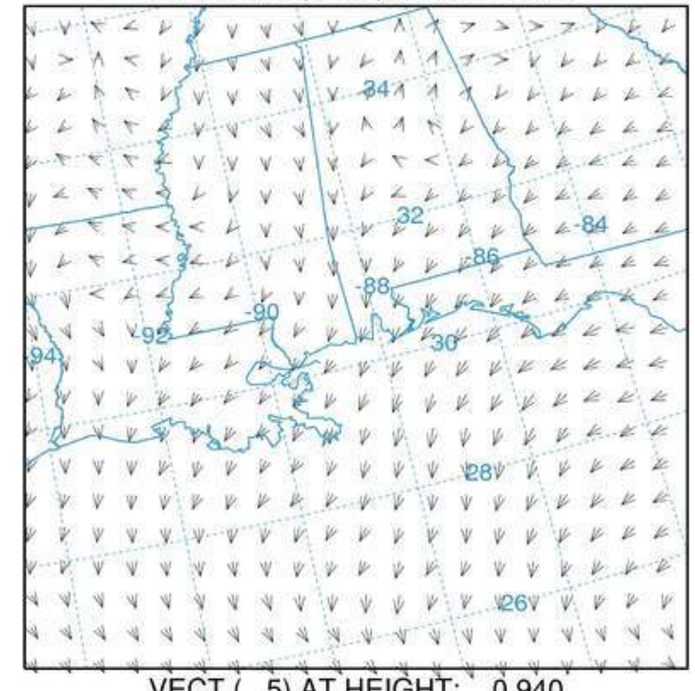
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/15



VECT (5) AT HEIGHT: 0.963

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

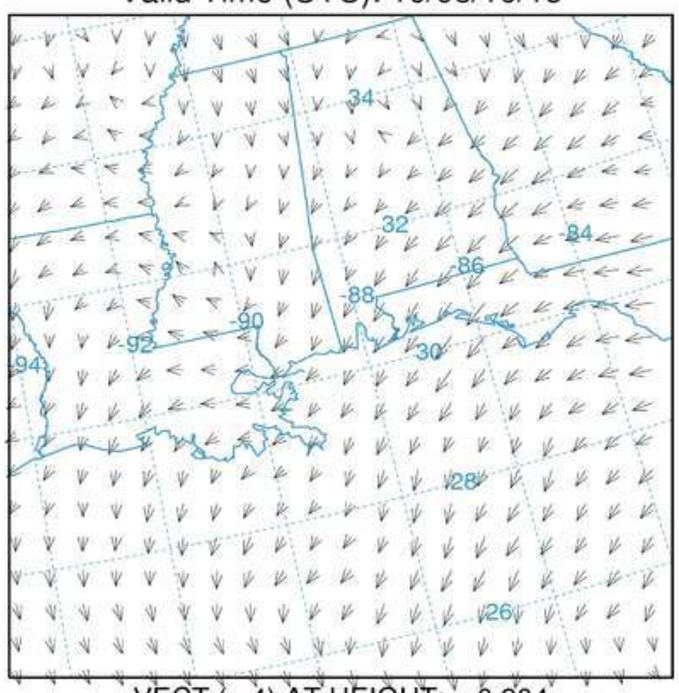
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/15



VECT (5) AT HEIGHT: 0.940

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

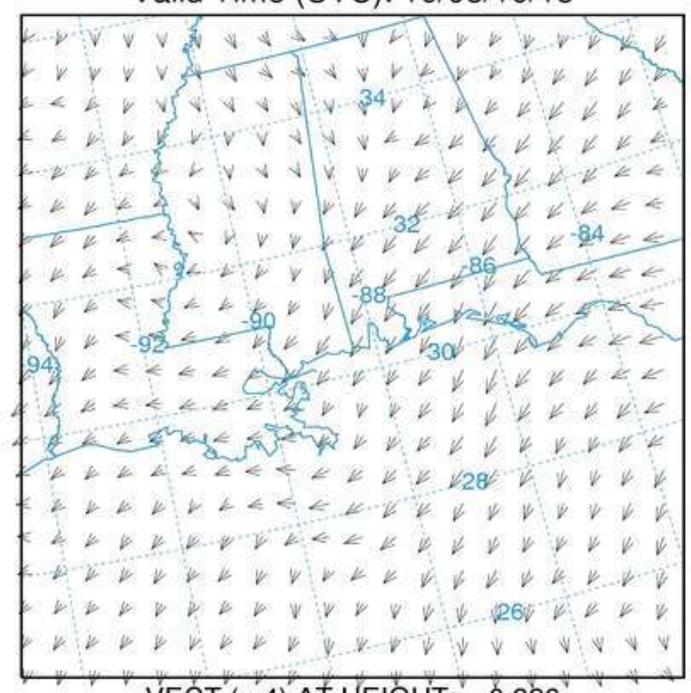
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/15



VECT (4) AT HEIGHT: 0.904

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

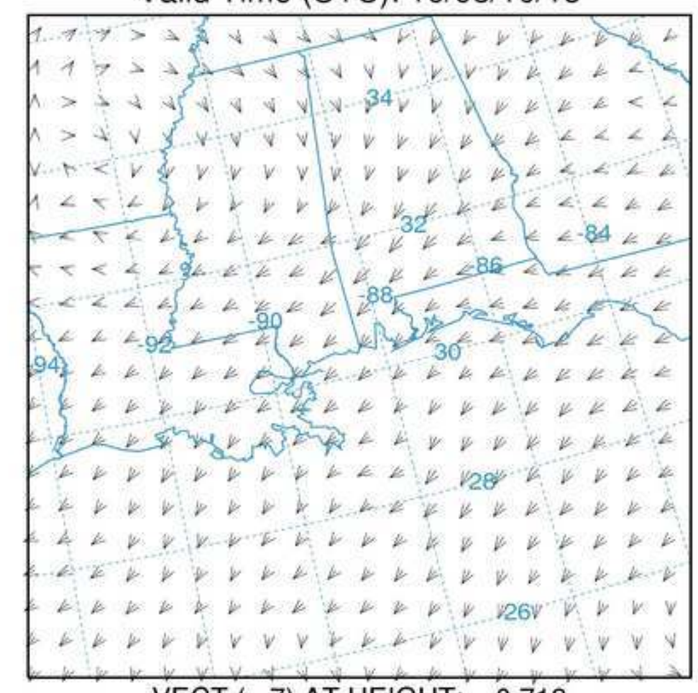
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/15



VECT (4) AT HEIGHT: 0.826

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

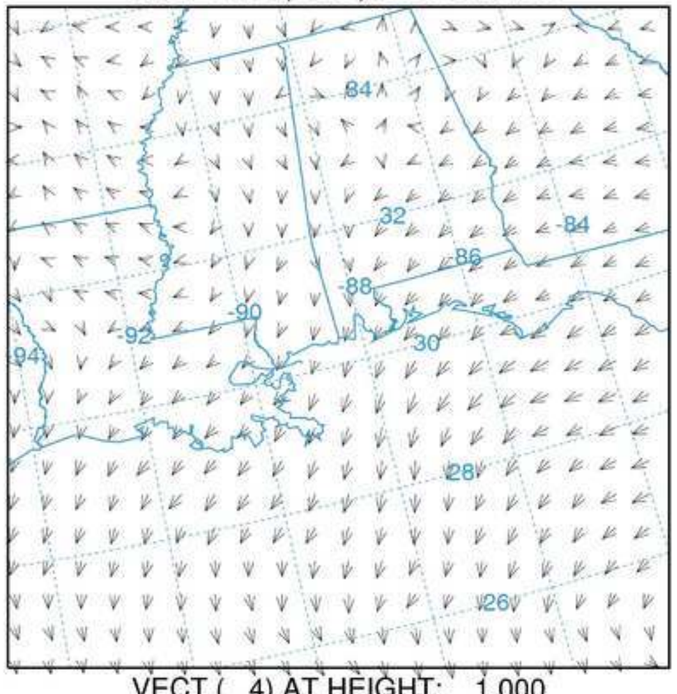
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/15



VECT (7) AT HEIGHT: 0.718

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

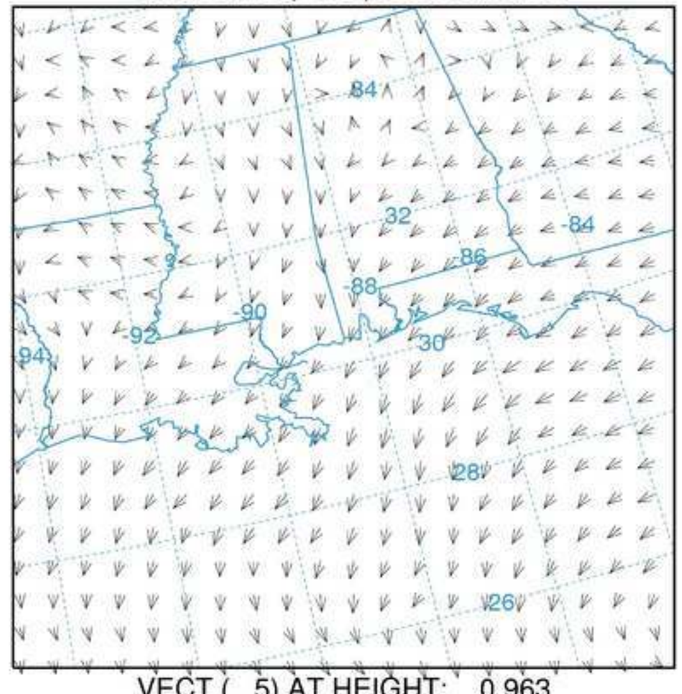
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/16



VECT (4) AT HEIGHT: 1.000

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

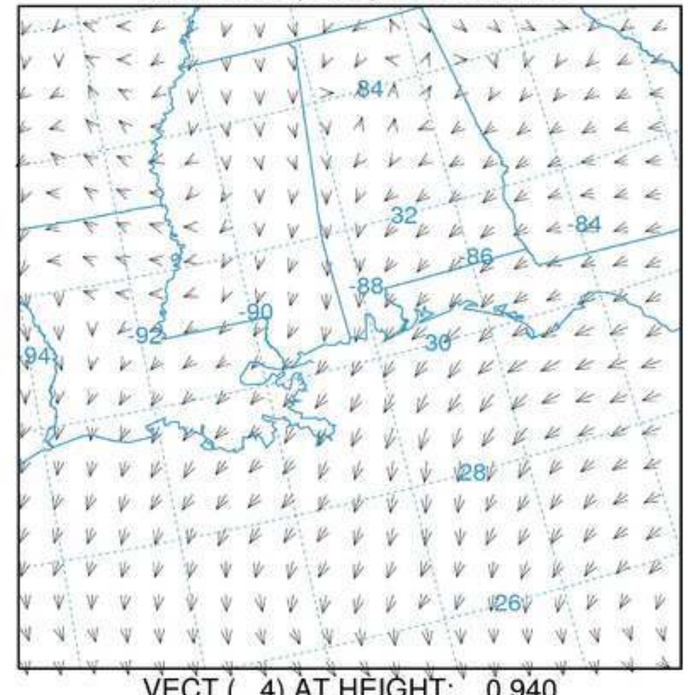
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/16



VECT (5) AT HEIGHT: 0.963

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

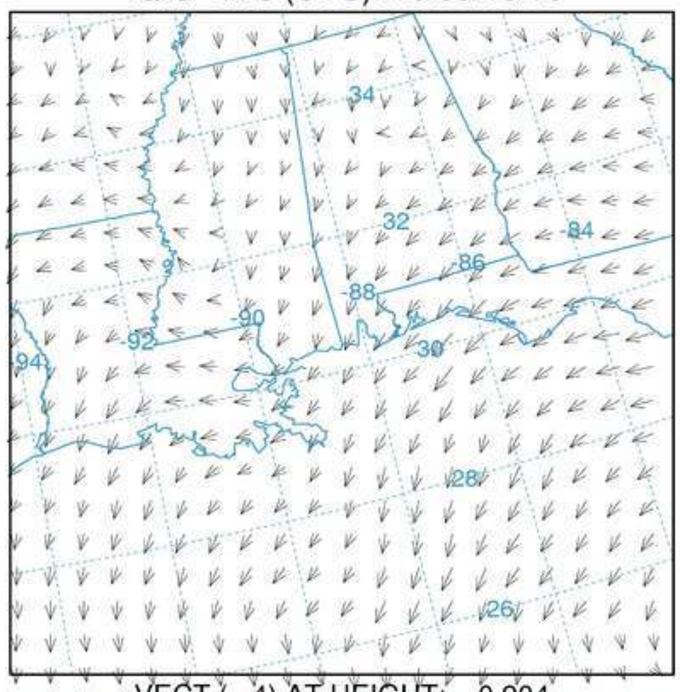
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/16



VECT (4) AT HEIGHT: 0.940

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

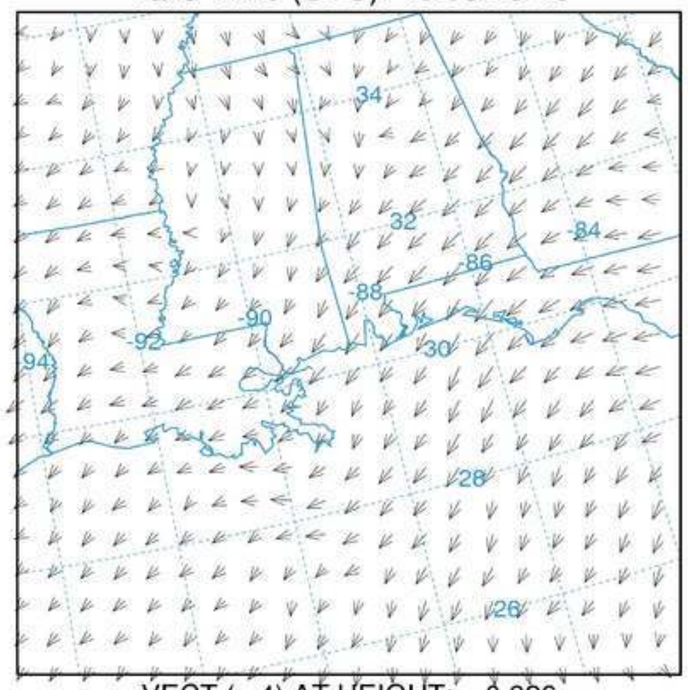
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/16



VECT (4) AT HEIGHT: 0.904

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

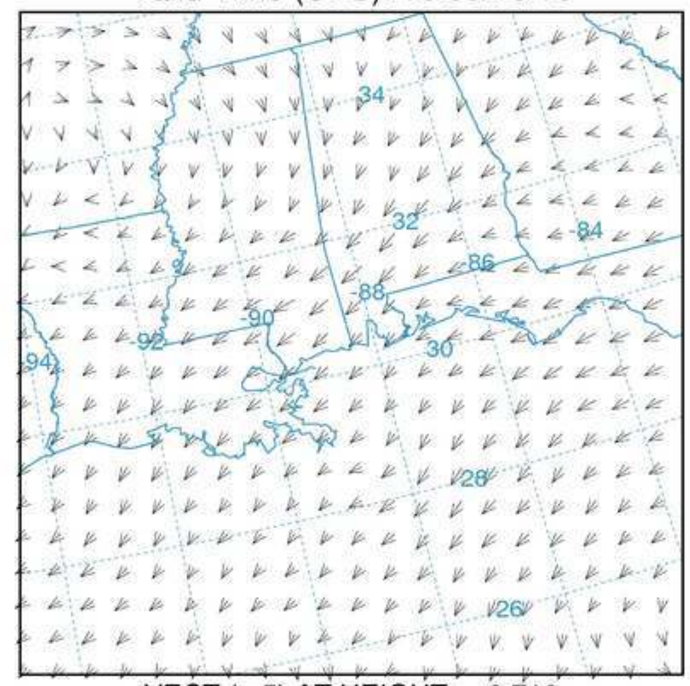
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/16



VECT (4) AT HEIGHT: 0.826

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

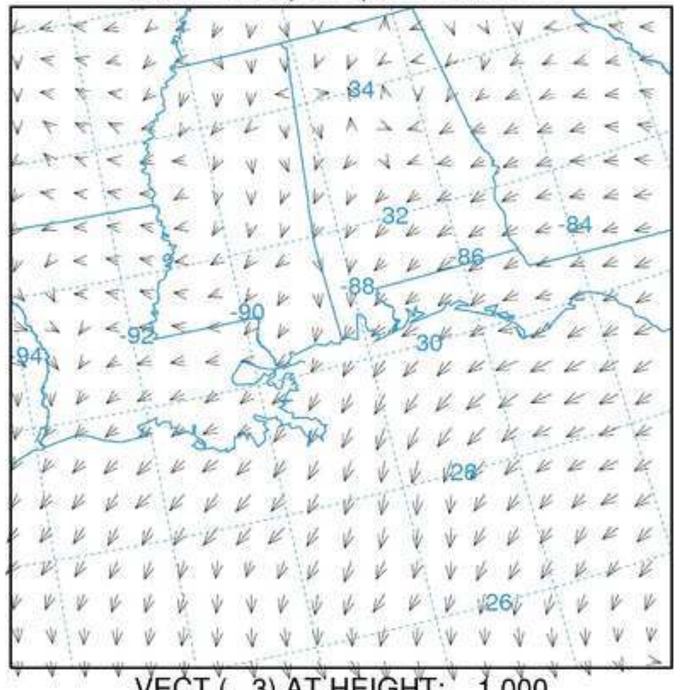
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/16



VECT (5) AT HEIGHT: 0.718

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

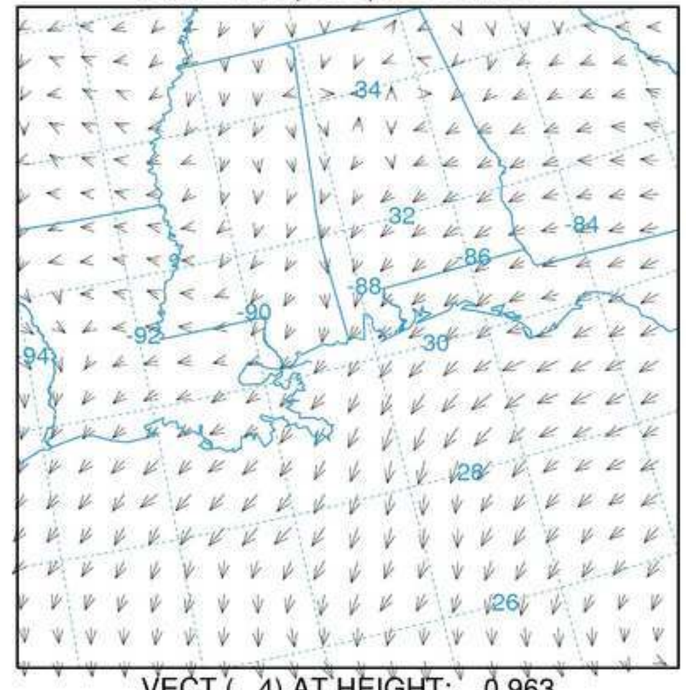
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/17



VECT (3) AT HEIGHT: 1.000

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

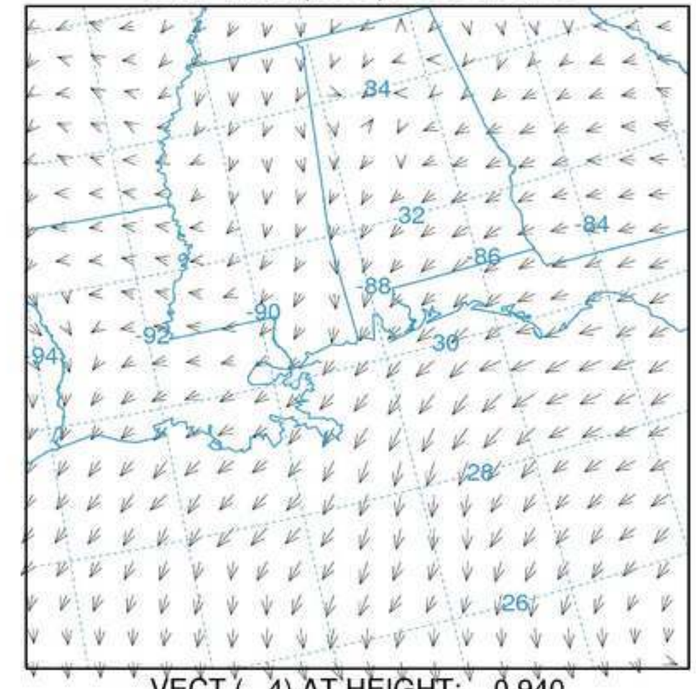
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/17



VECT (4) AT HEIGHT: 0.963

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

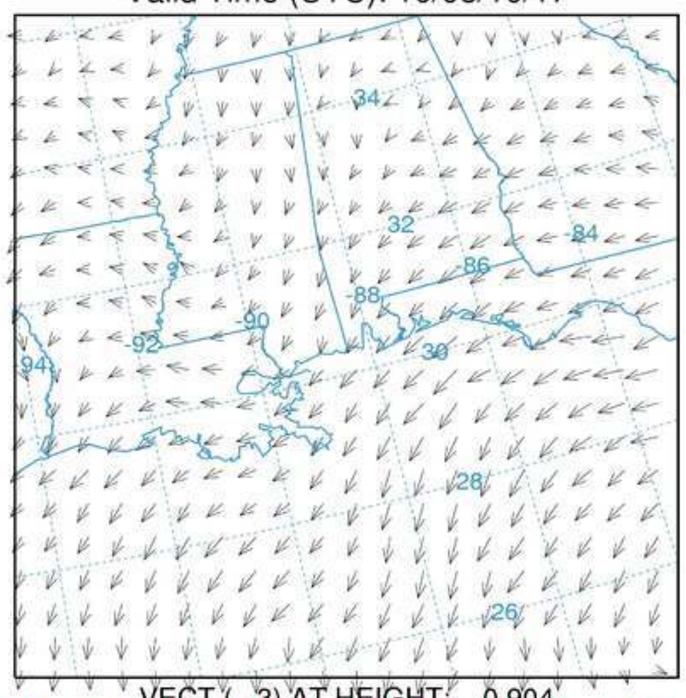
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/17



VECT (4) AT HEIGHT: 0.940

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

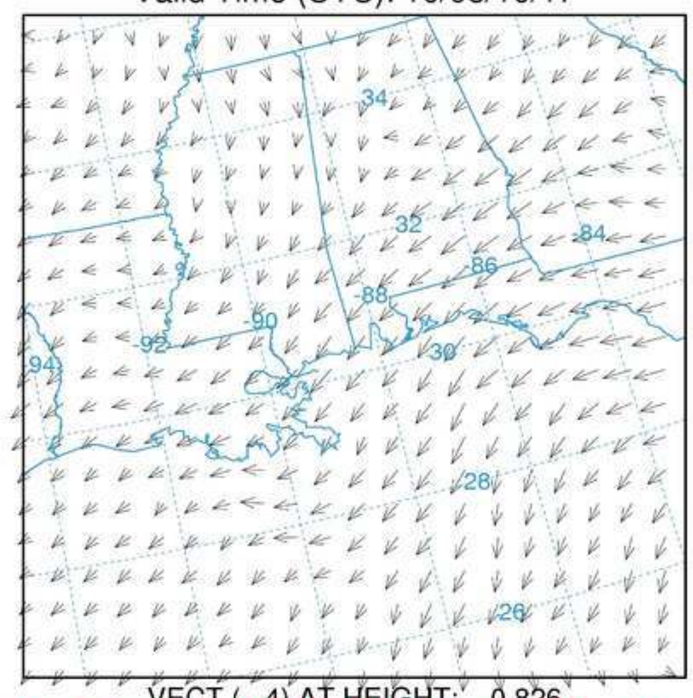
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/17



VECT (3) AT HEIGHT: 0.904

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

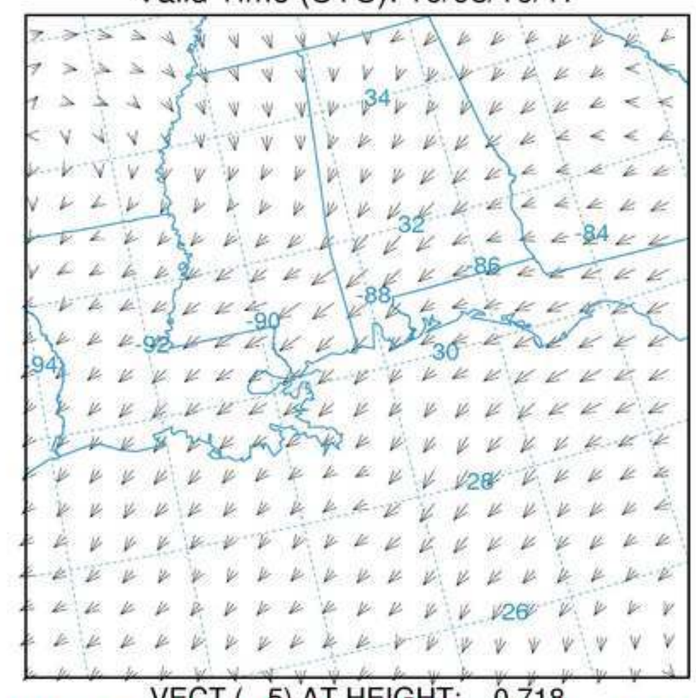
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/17



VECT (4) AT HEIGHT: 0.826

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

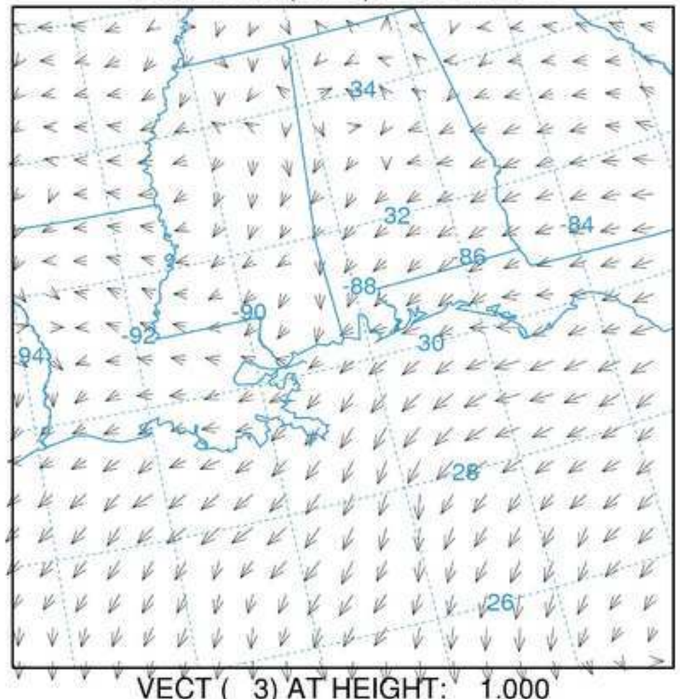
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/17



VECT (5) AT HEIGHT: 0.718

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

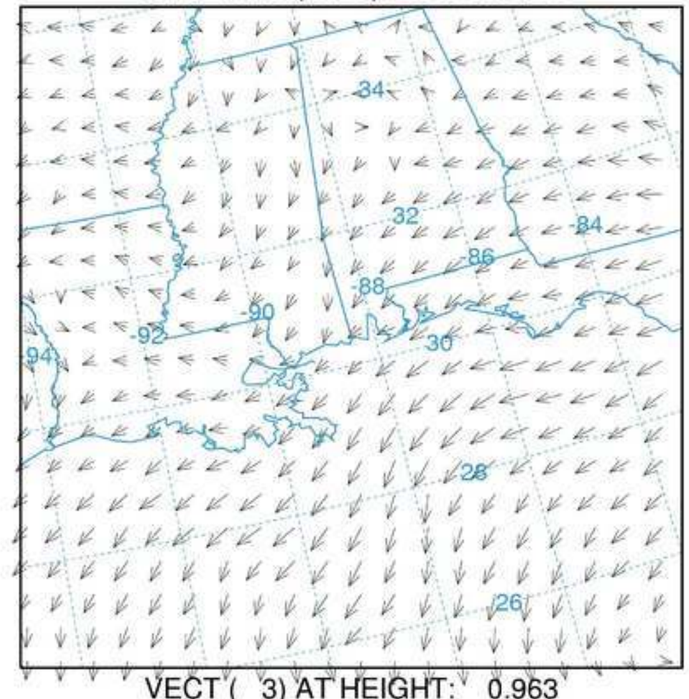
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/18



VECT (3) AT HEIGHT: 1.000

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

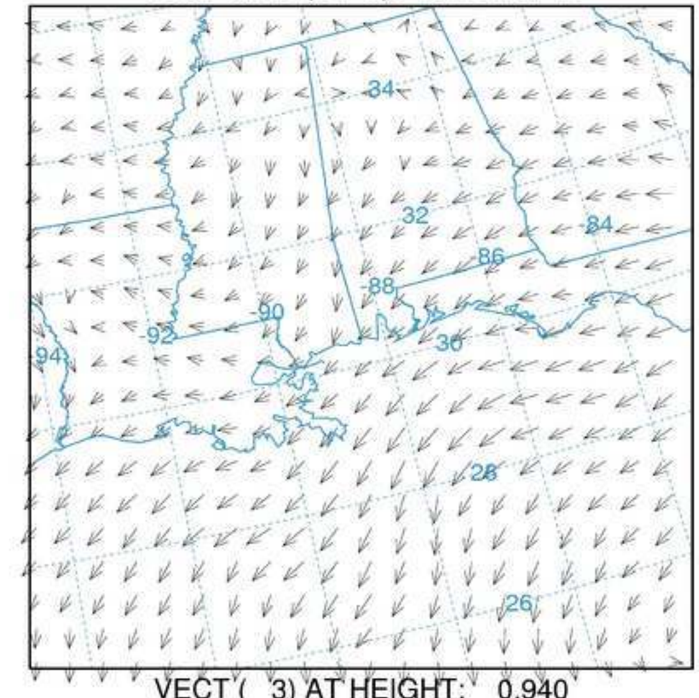
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/18



VECT (3) AT HEIGHT: 0.963

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

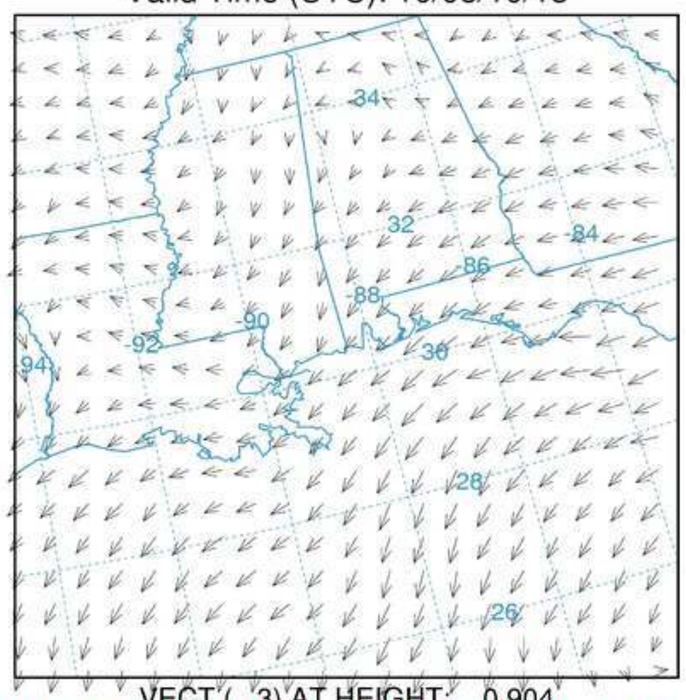
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/18



VECT (3) AT HEIGHT: 0.940

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

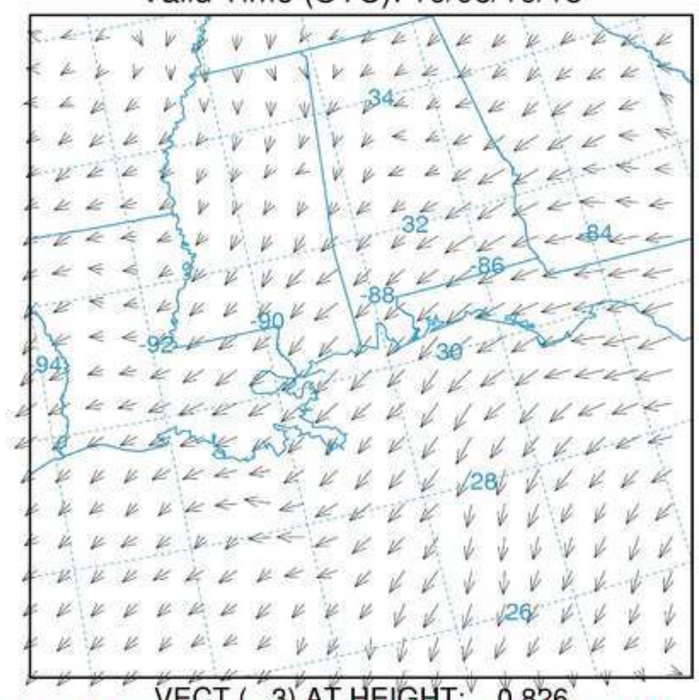
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/18



VECT (3) AT HEIGHT: 0.904

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

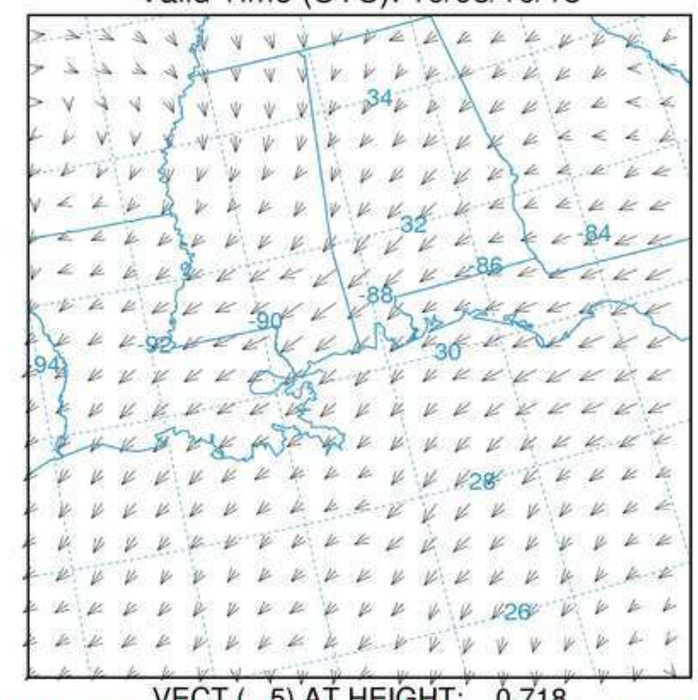
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/18



VECT (3) AT HEIGHT: 0.826

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

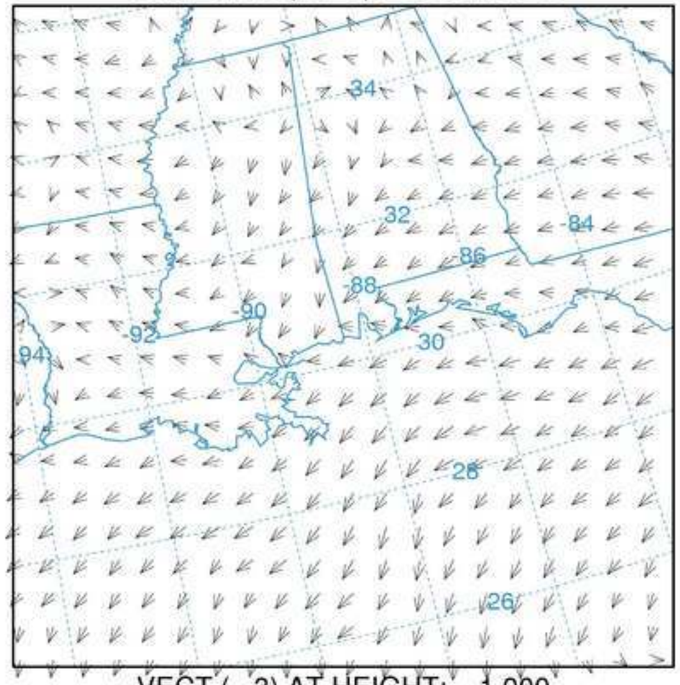
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/18



VECT (5) AT HEIGHT: 0.718

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

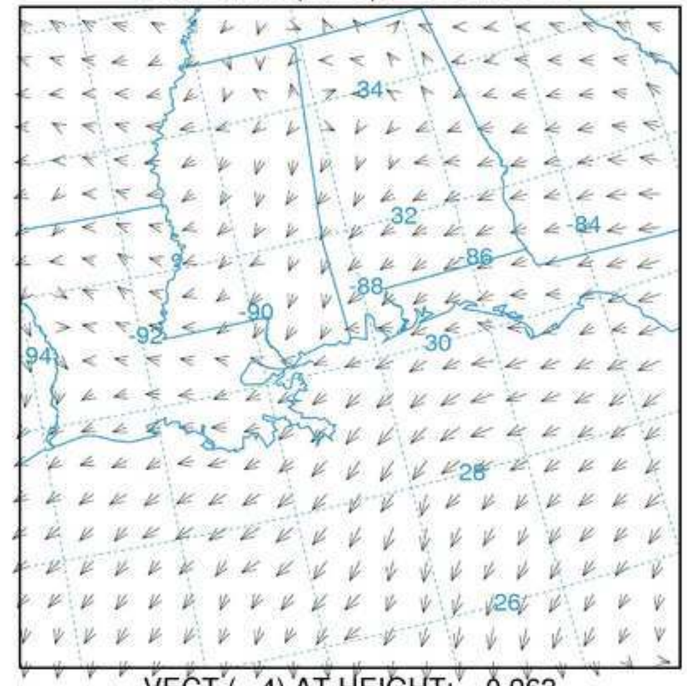
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/19



VECT (3) AT HEIGHT: 1.000

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

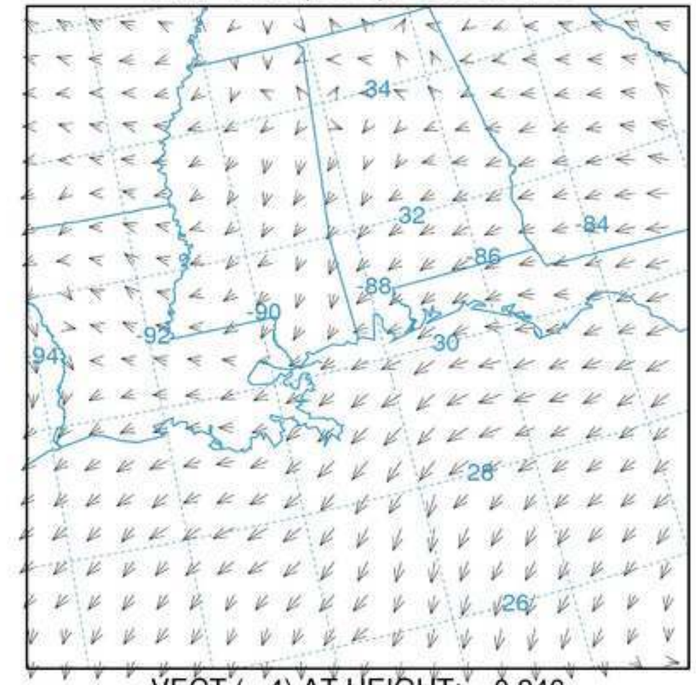
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/19



VECT (4) AT HEIGHT: 0.963

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

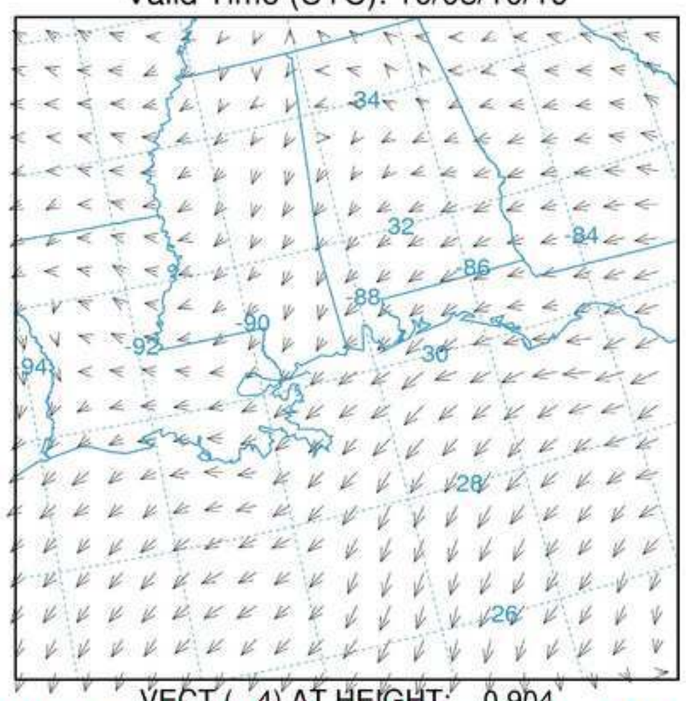
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/19



VECT (4) AT HEIGHT: 0.940

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

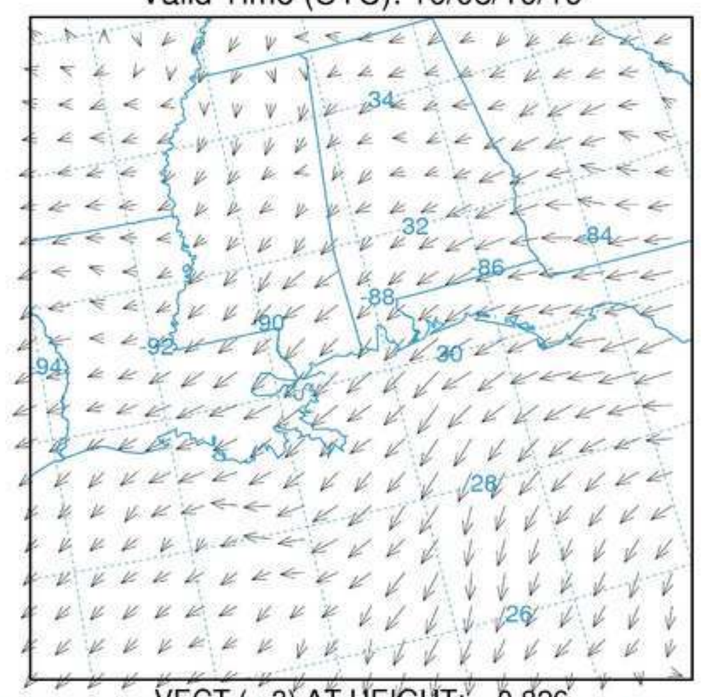
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/19



VECT (4) AT HEIGHT: 0.904

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

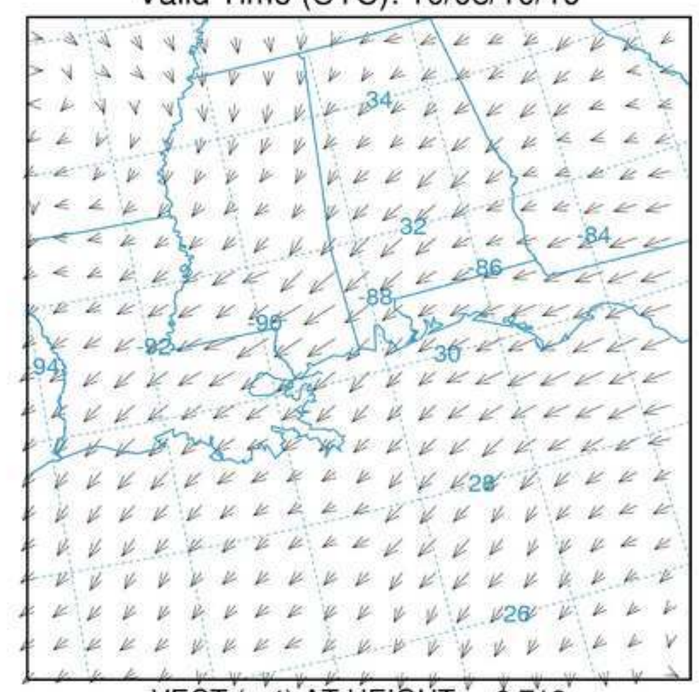
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/19



VECT (3) AT HEIGHT: 0.826

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

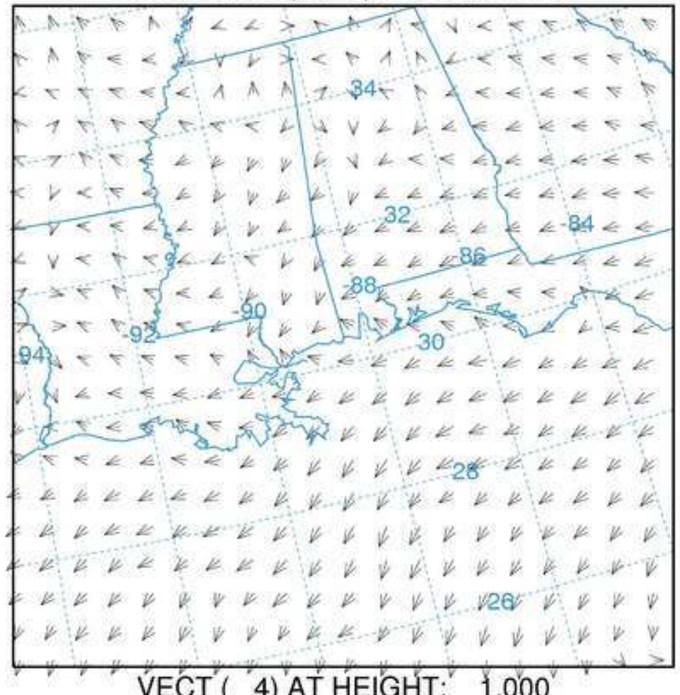
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/19



VECT (4) AT HEIGHT: 0.718

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

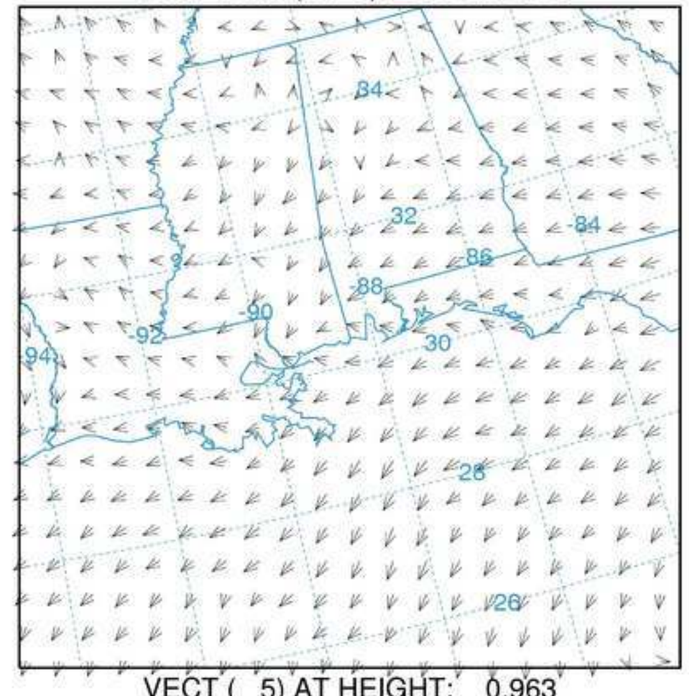
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/20



VECT (4) AT HEIGHT: 1.000

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

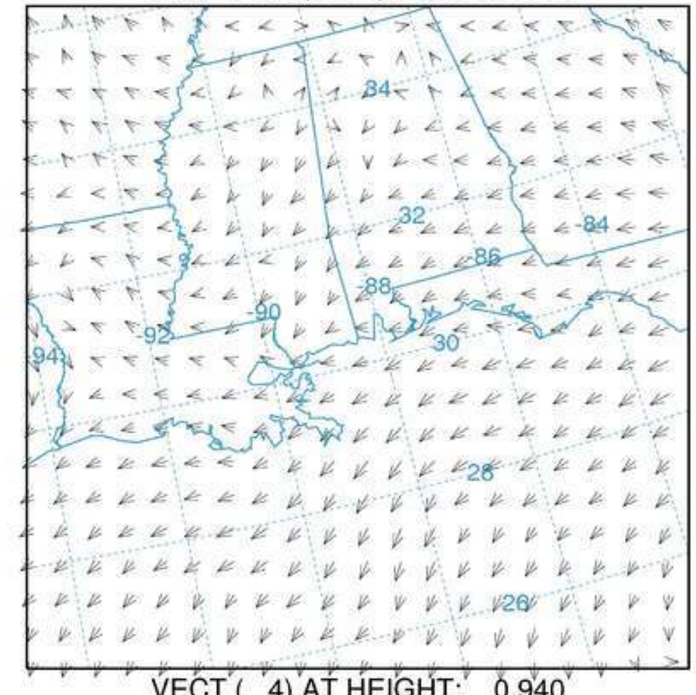
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/20



VECT (5) AT HEIGHT: 0.963

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

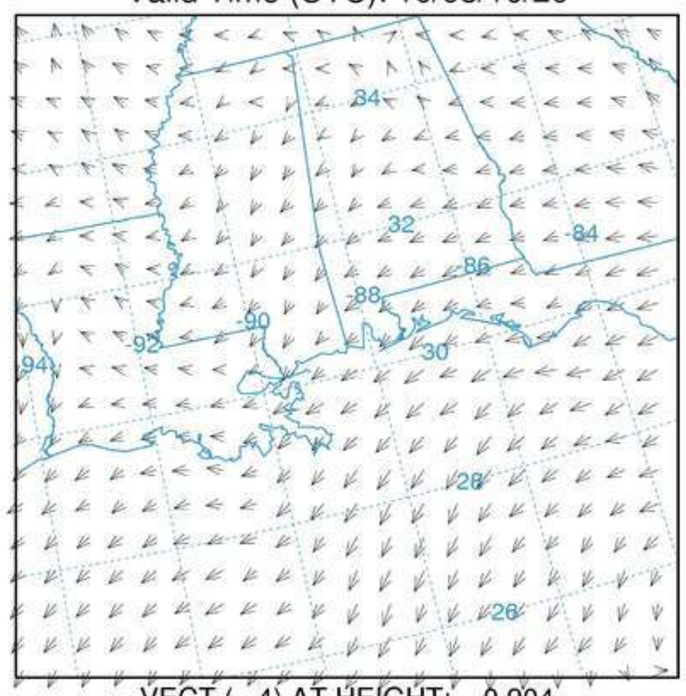
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/20



VECT (4) AT HEIGHT: 0.940

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

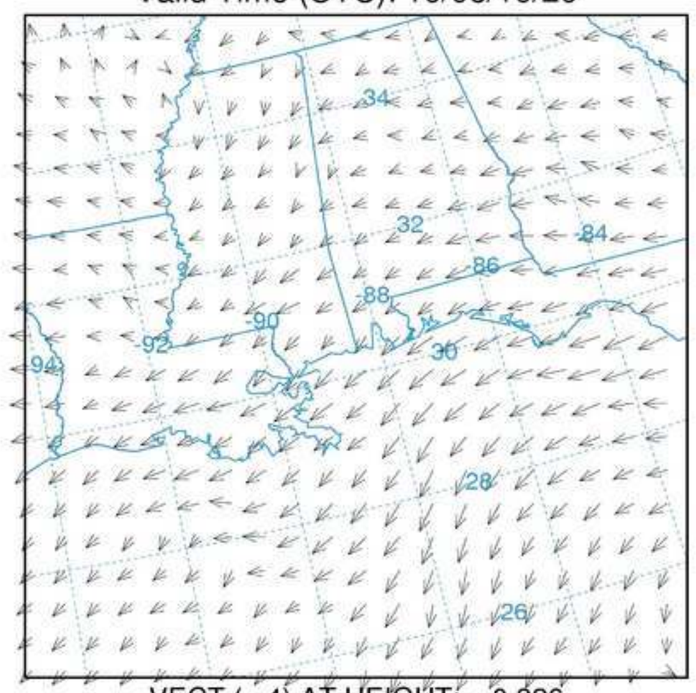
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/20



VECT (4) AT HEIGHT: 0.904

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

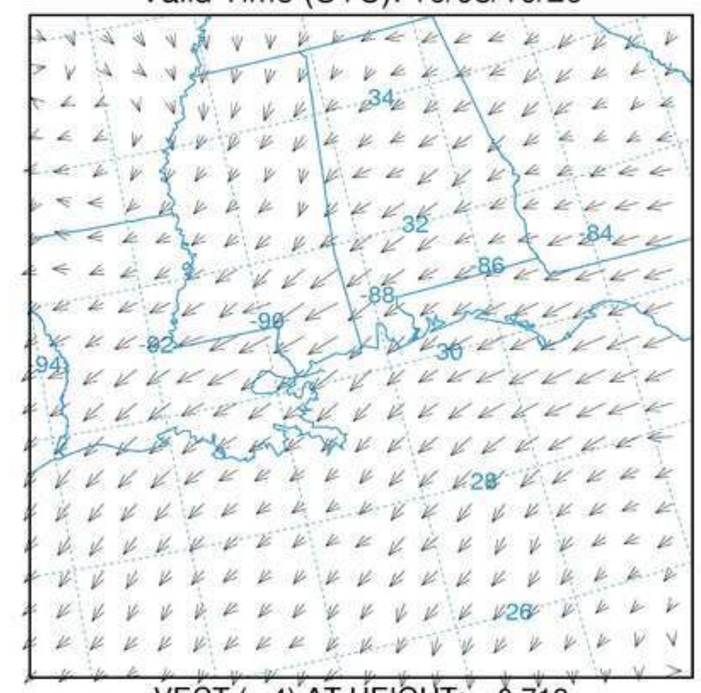
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/20



VECT (4) AT HEIGHT: 0.826

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

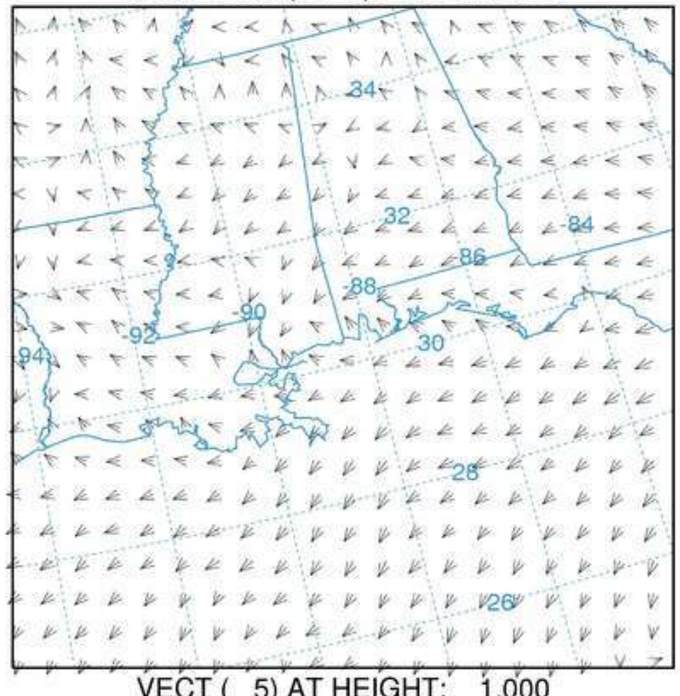
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/20



VECT (4) AT HEIGHT: 0.718

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

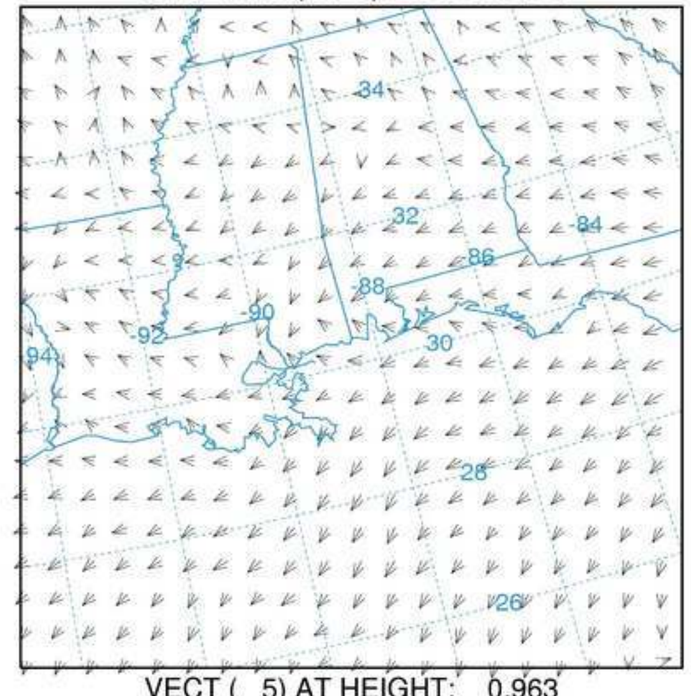
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/21



VECT (5) AT HEIGHT: 1.000

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

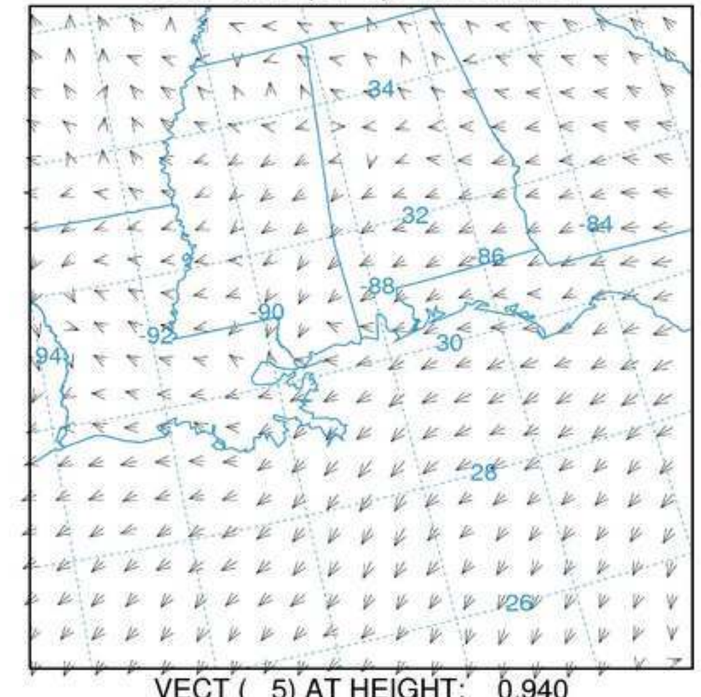
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/21



VECT (5) AT HEIGHT: 0.963

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

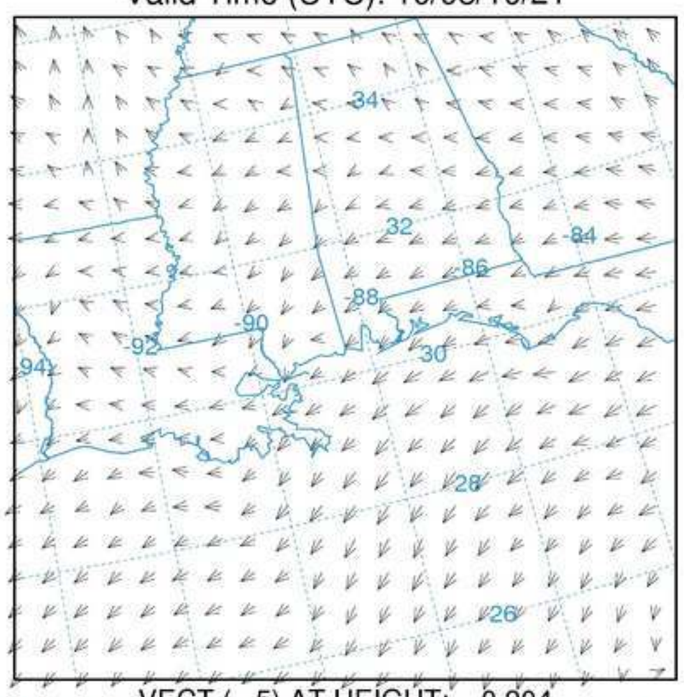
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/21



VECT (5) AT HEIGHT: 0.940

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

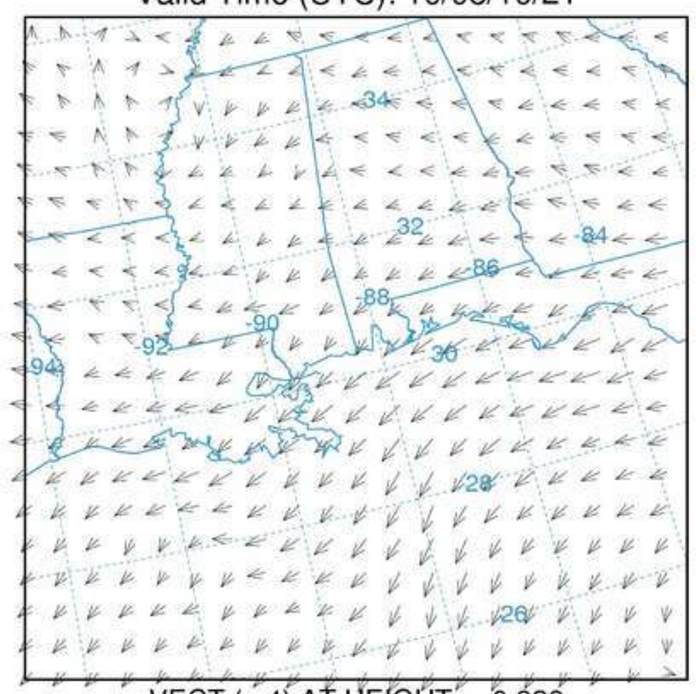
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/21



VECT (5) AT HEIGHT: 0.904

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

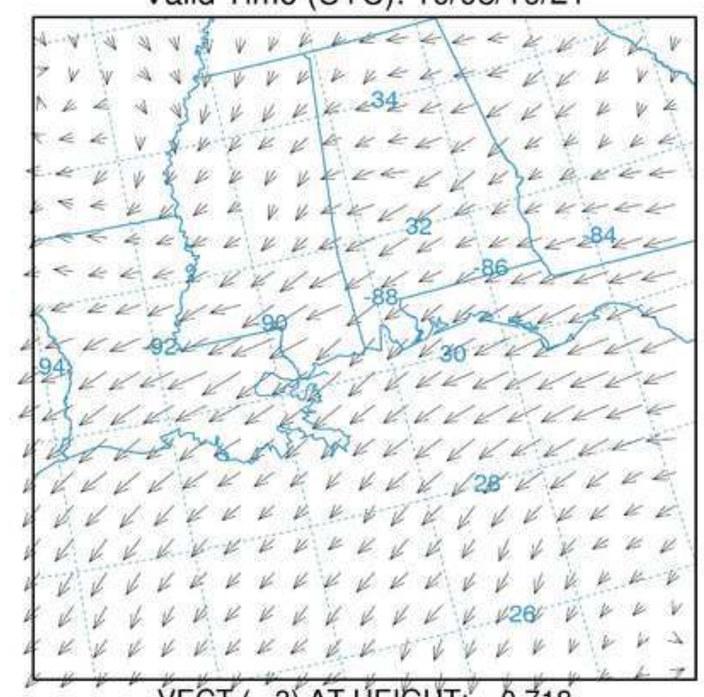
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/21



VECT (4) AT HEIGHT: 0.826

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

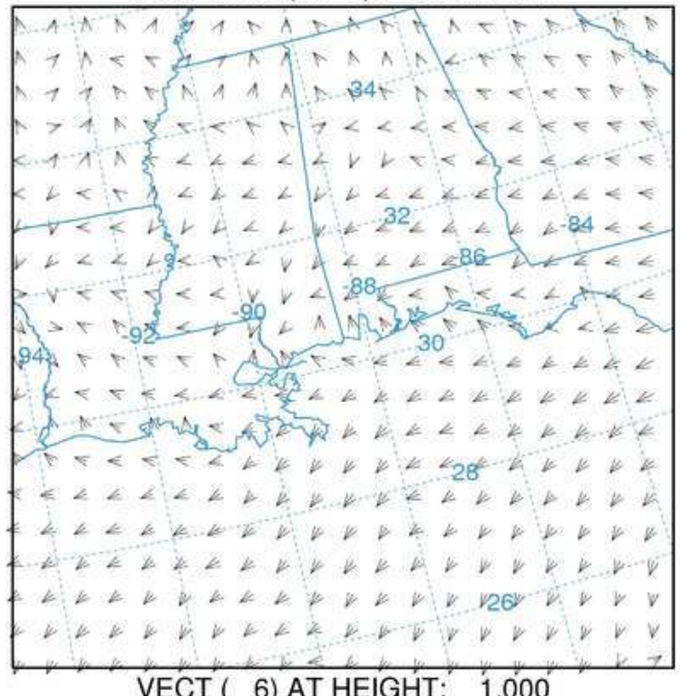
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/21



VECT (3) AT HEIGHT: 0.718

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

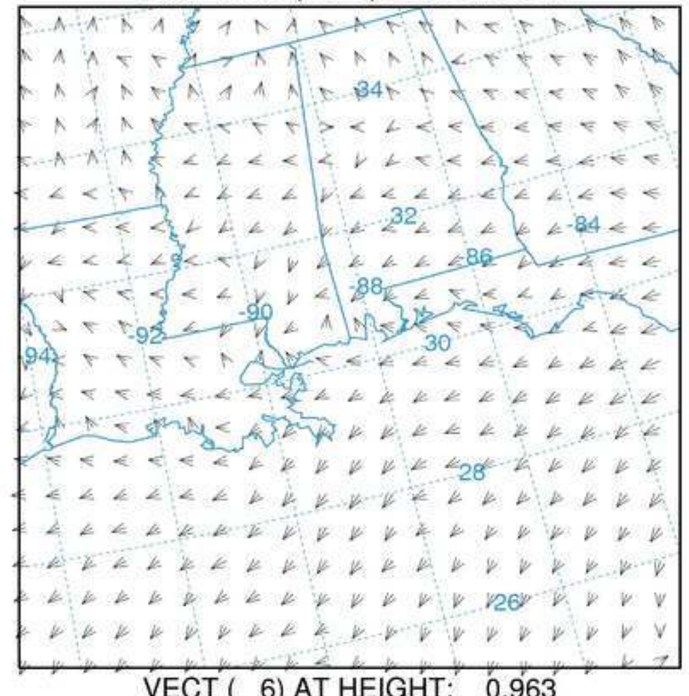
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/22



VECT (6) AT HEIGHT: 1.000

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

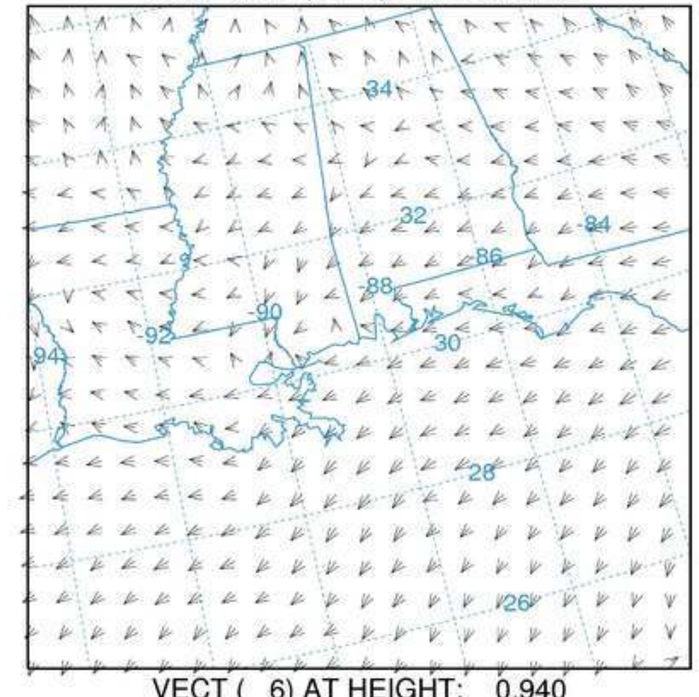
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/22



VECT (6) AT HEIGHT: 0.963

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

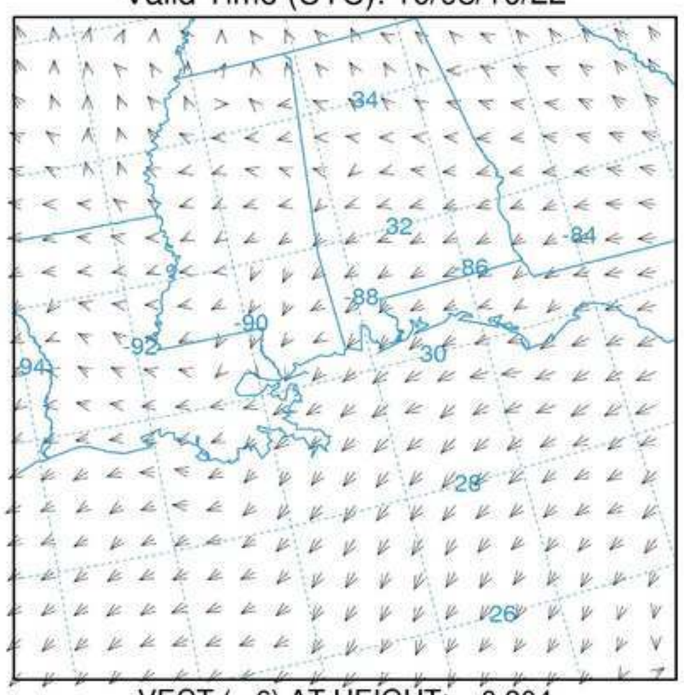
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/22



VECT (6) AT HEIGHT: 0.940

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

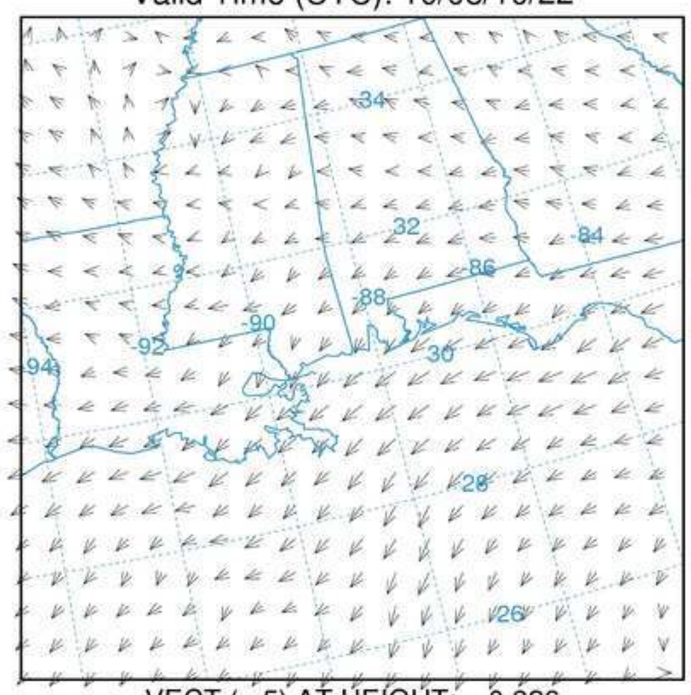
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/22



VECT (6) AT HEIGHT: 0.904

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

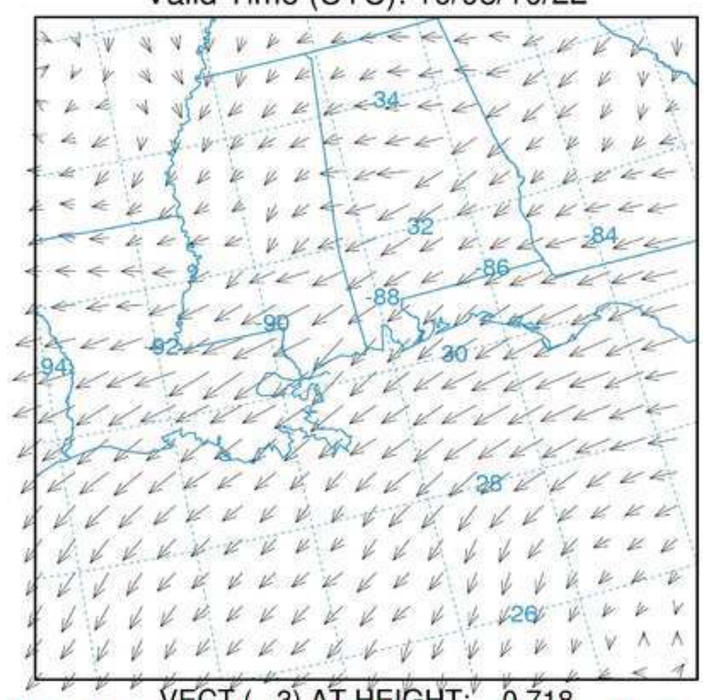
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/22



VECT (5) AT HEIGHT: 0.826

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

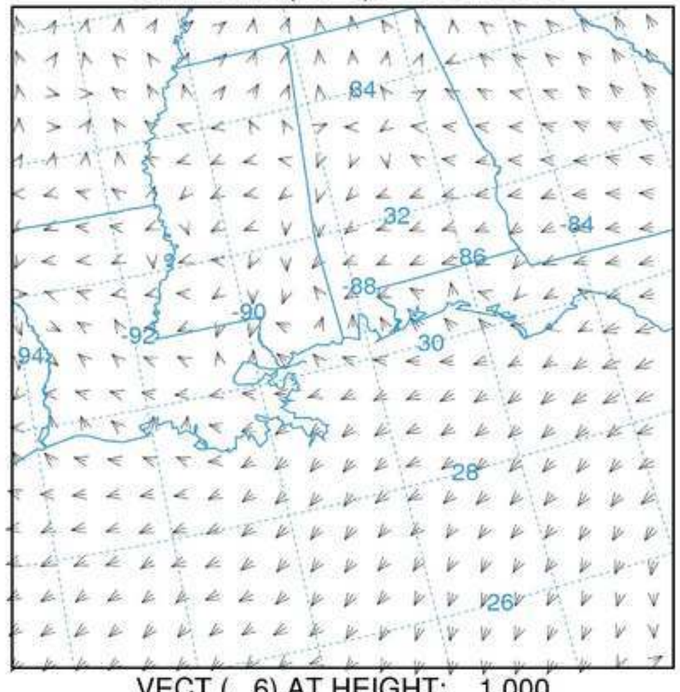
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/22



VECT (3) AT HEIGHT: 0.718

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

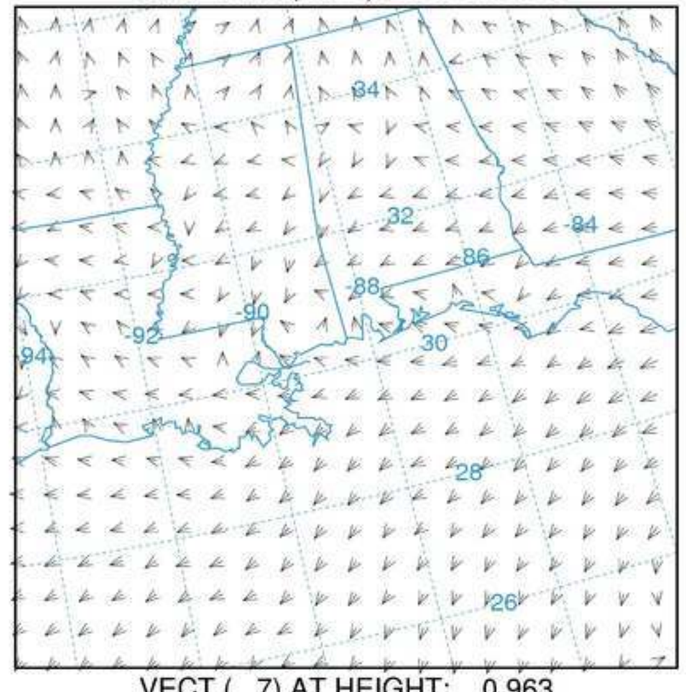
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/23



VECT (6) AT HEIGHT: 1.000

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

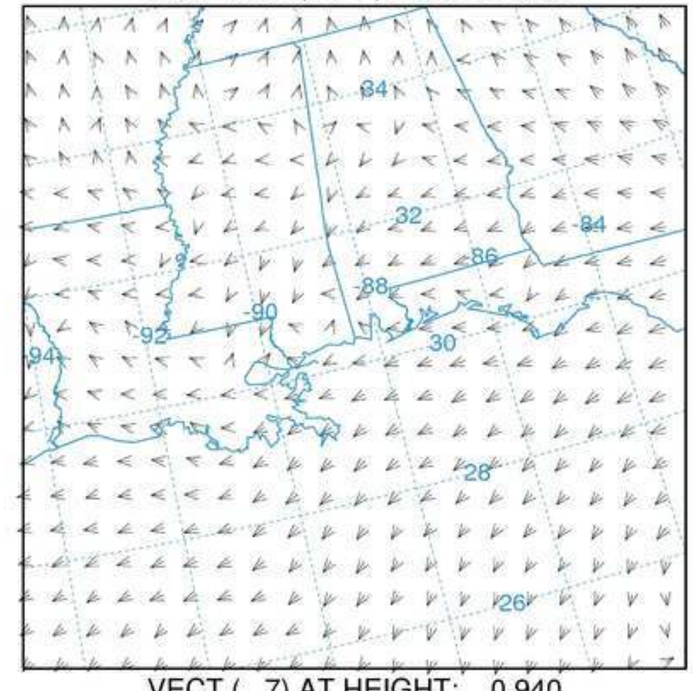
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/23



VECT (7) AT HEIGHT: 0.963

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

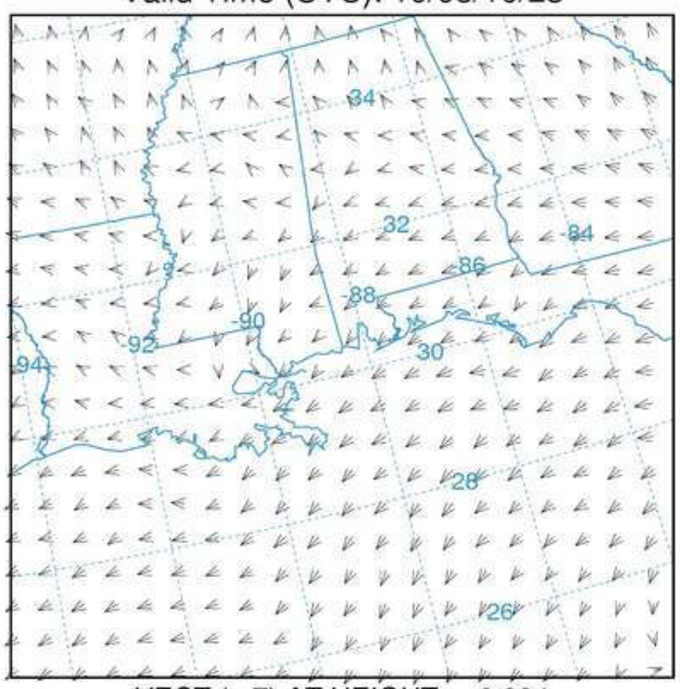
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/23



VECT (7) AT HEIGHT: 0.940

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

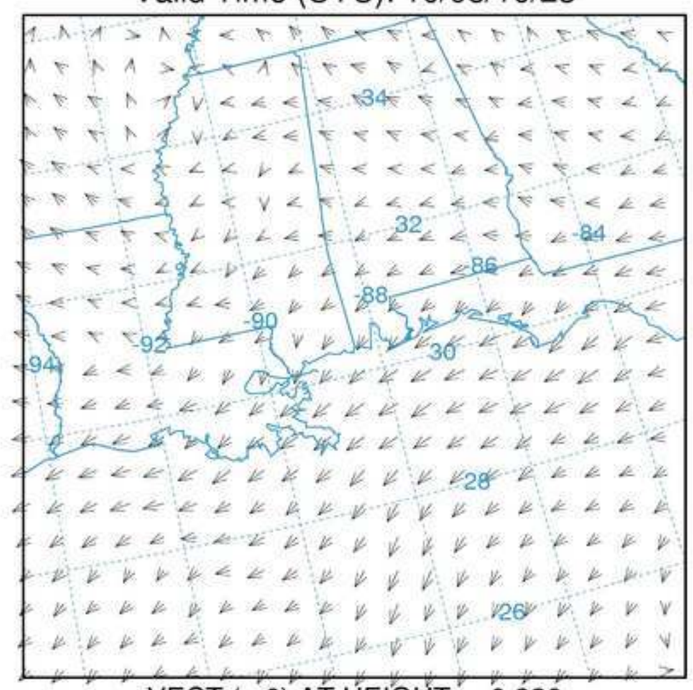
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/23



VECT (7) AT HEIGHT: 0.904

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

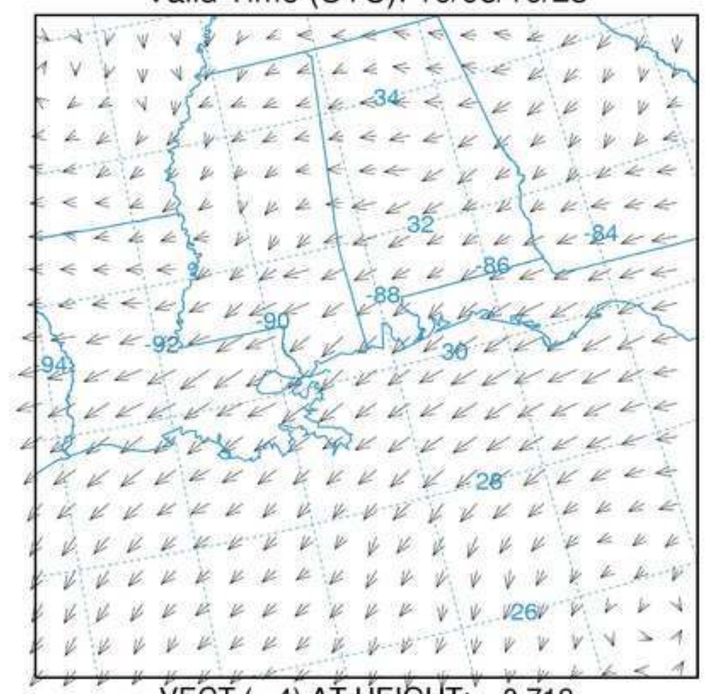
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/23



VECT (6) AT HEIGHT: 0.826

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

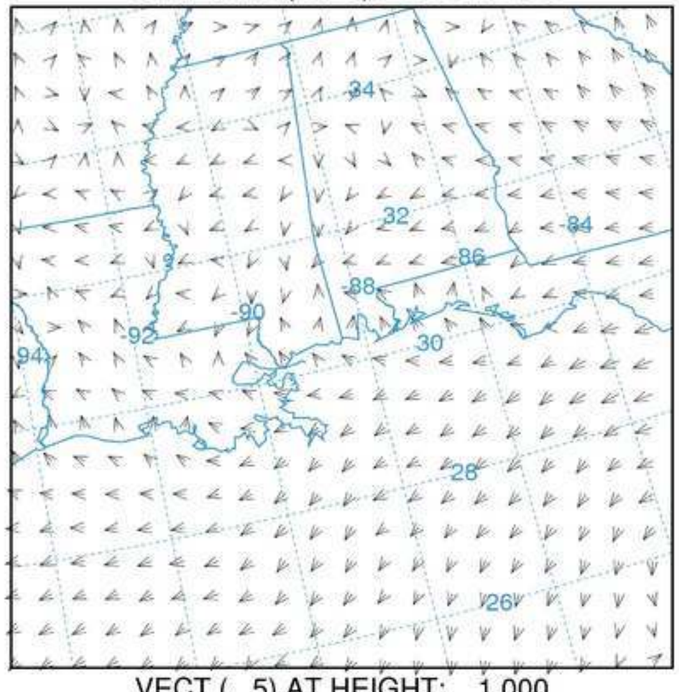
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/23



VECT (4) AT HEIGHT: 0.718

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

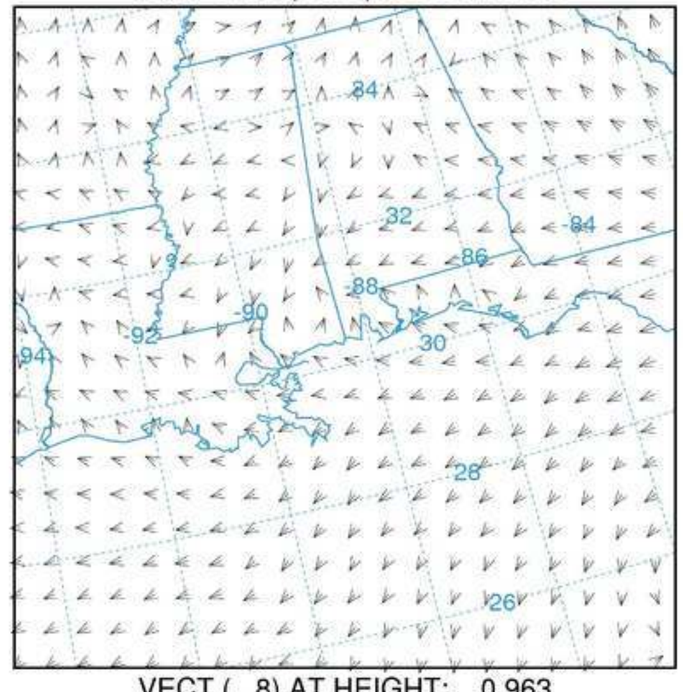
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/11/00



VECT (5) AT HEIGHT: 1.000

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

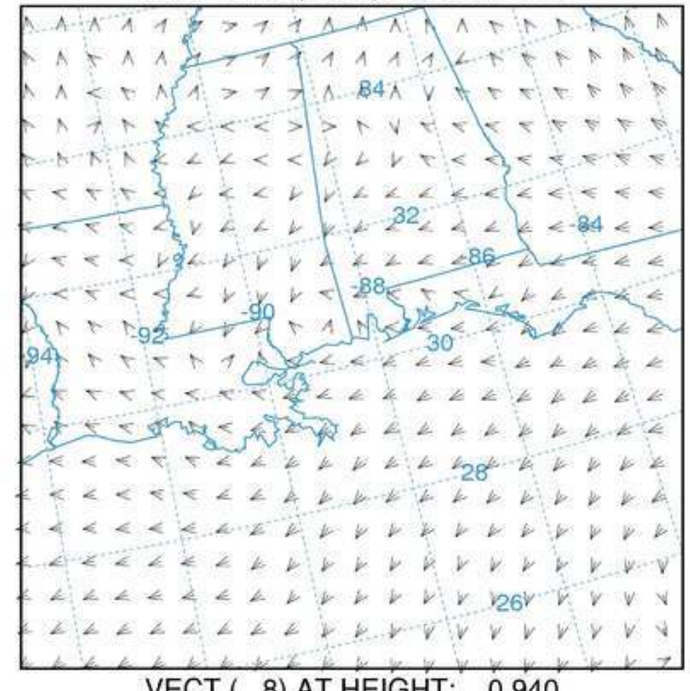
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/11/00



VECT (8) AT HEIGHT: 0.963

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

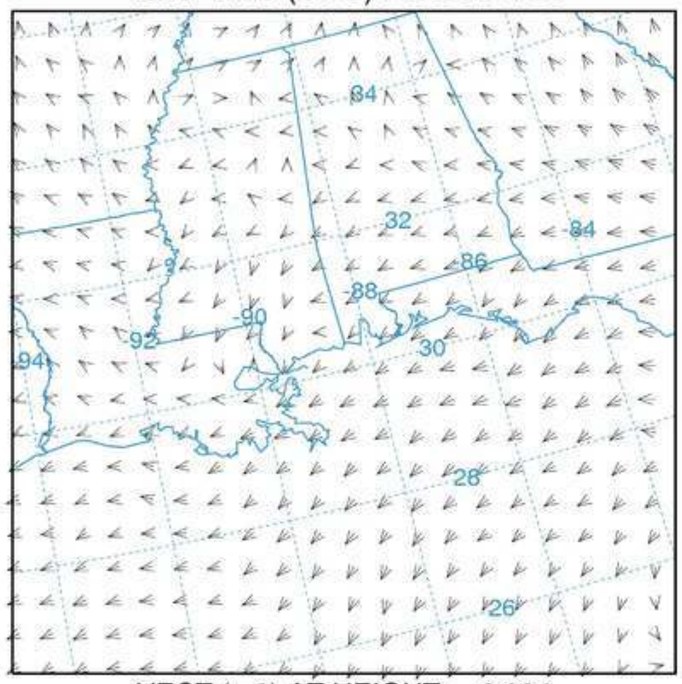
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/11/00



VECT (8) AT HEIGHT: 0.940

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

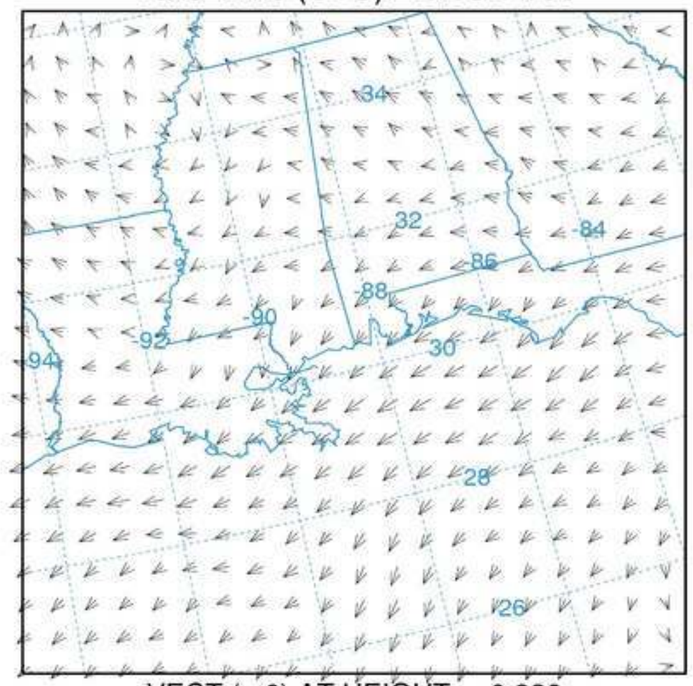
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/11/00



VECT (8) AT HEIGHT: 0.904

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

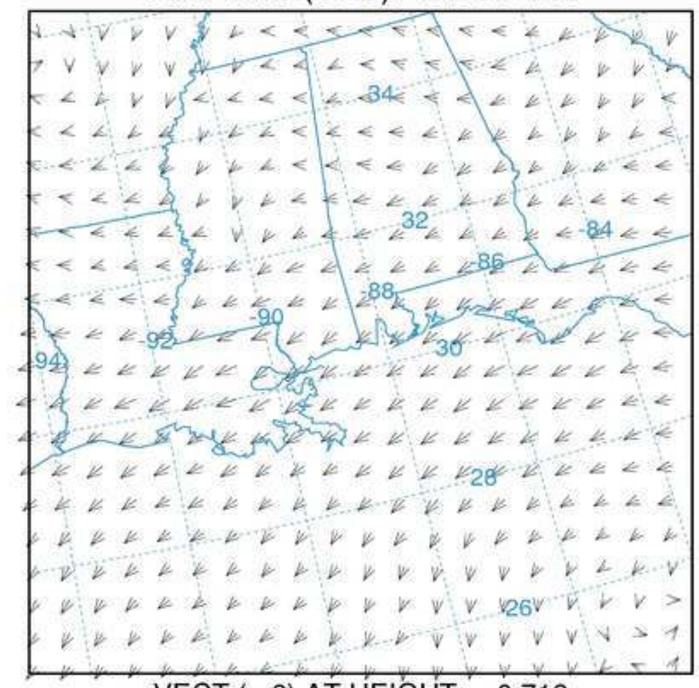
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/11/00



VECT (6) AT HEIGHT: 0.826

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

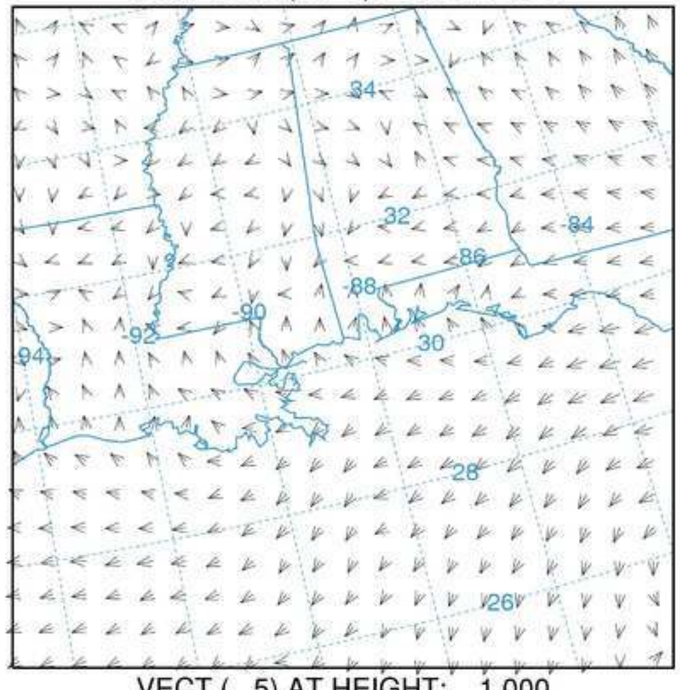
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/11/00



VECT (6) AT HEIGHT: 0.718

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

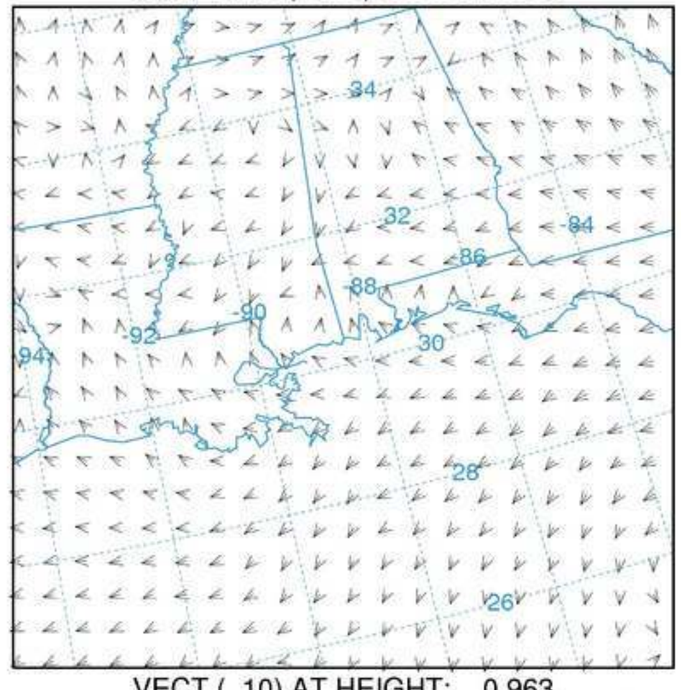
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/11/01



VECT (5) AT HEIGHT: 1.000

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

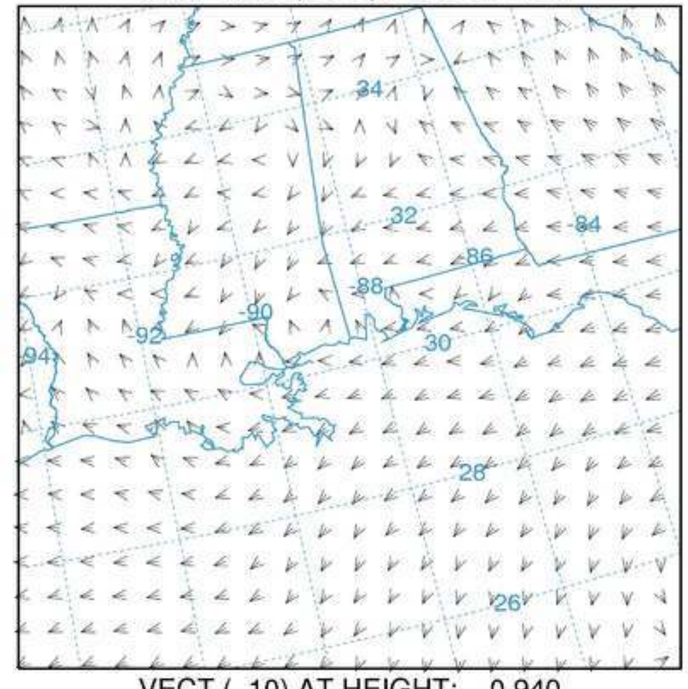
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/11/01



VECT (10) AT HEIGHT: 0.963

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

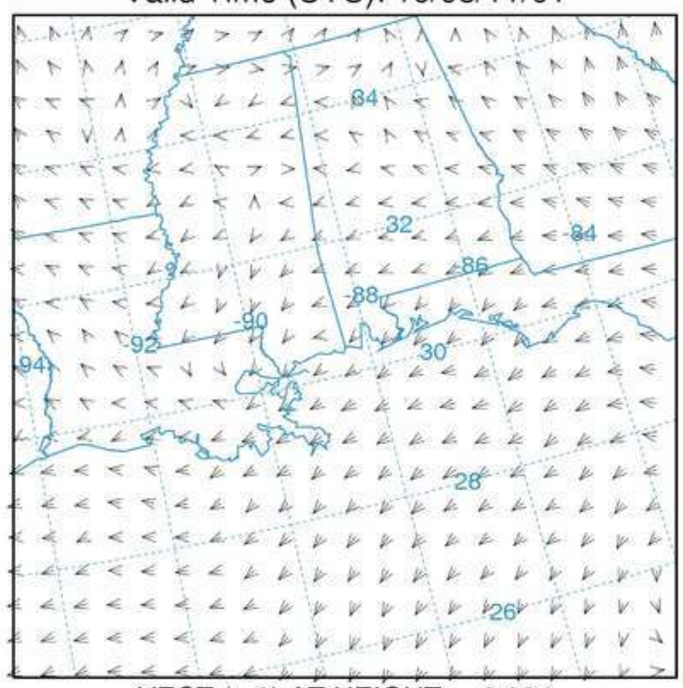
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/11/01



VECT (10) AT HEIGHT: 0.940

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

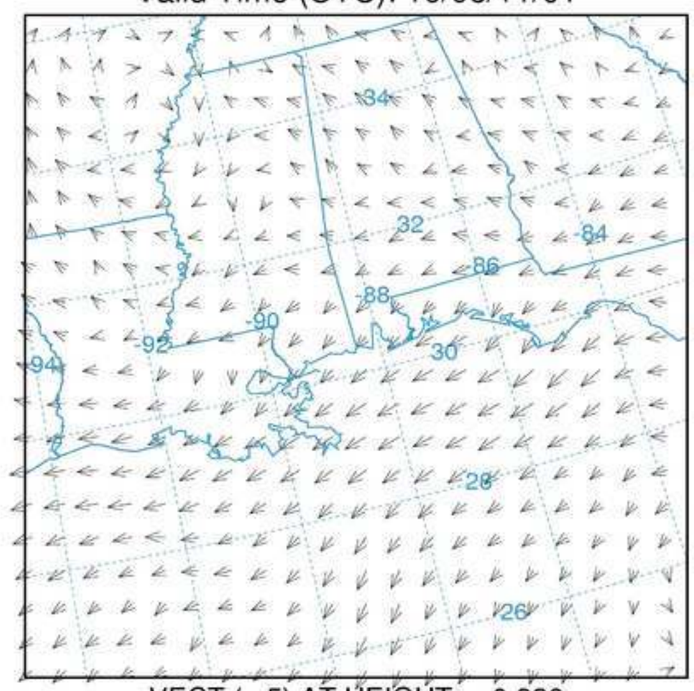
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/11/01



VECT (9) AT HEIGHT: 0.904

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

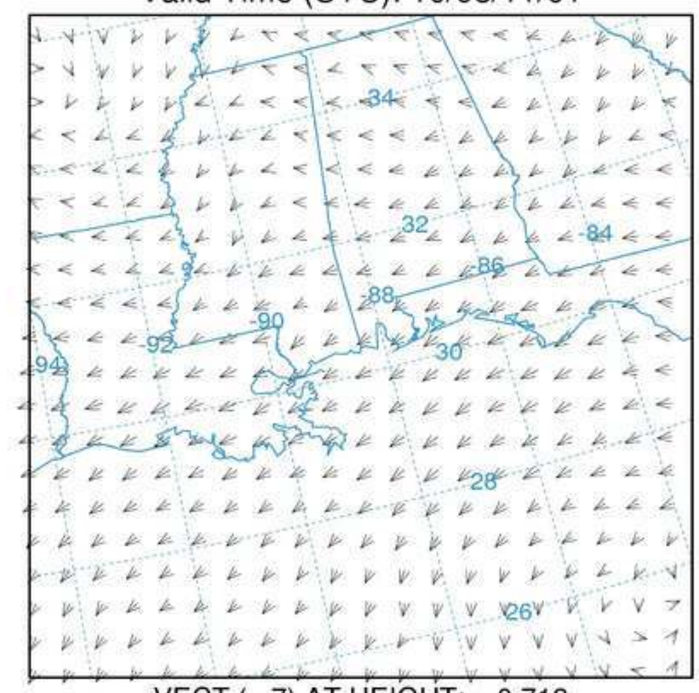
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/11/01



VECT (5) AT HEIGHT: 0.826

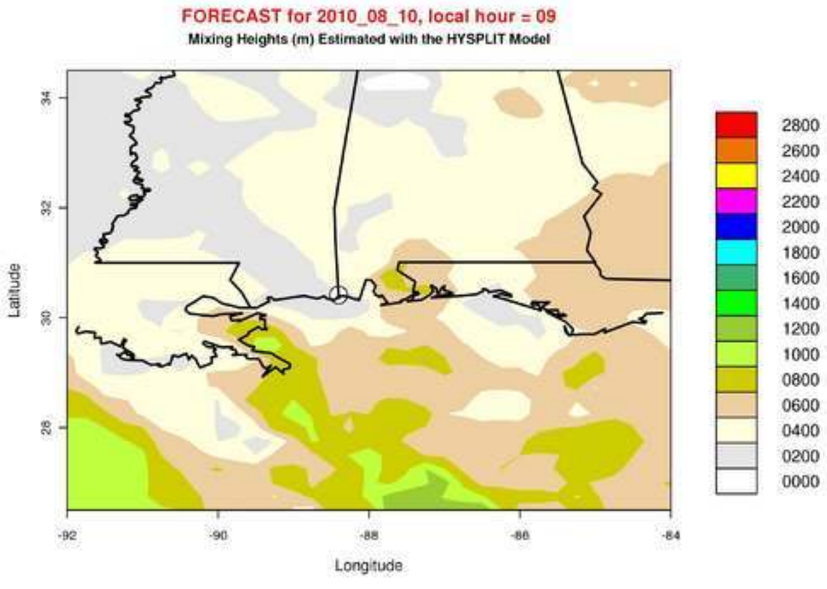
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

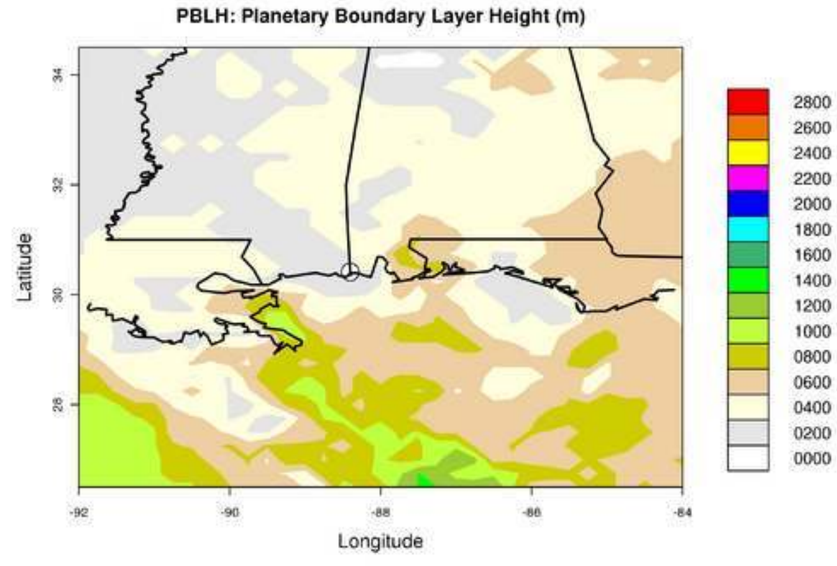
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/11/01

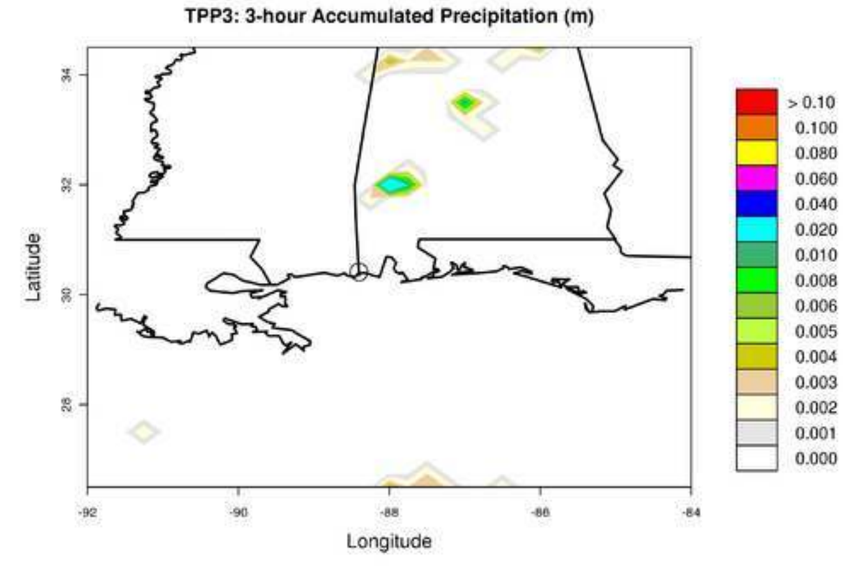


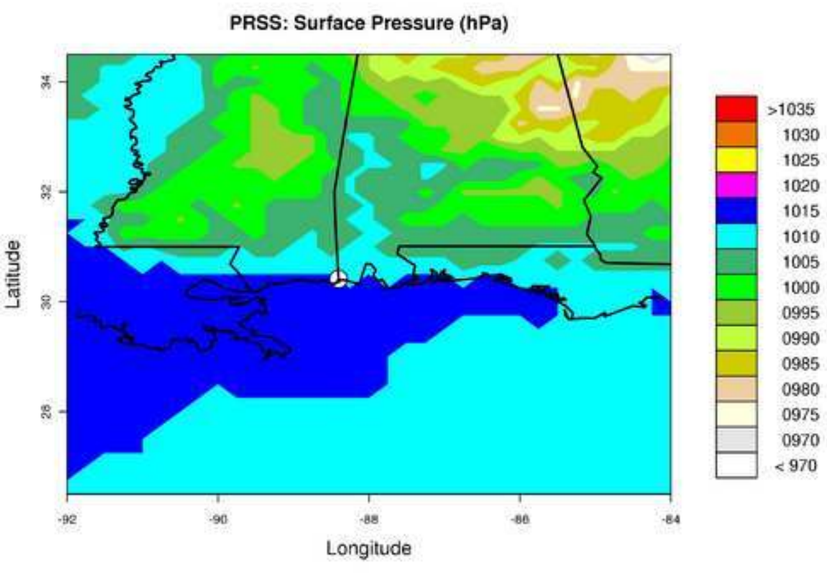
VECT (7) AT HEIGHT: 0.718

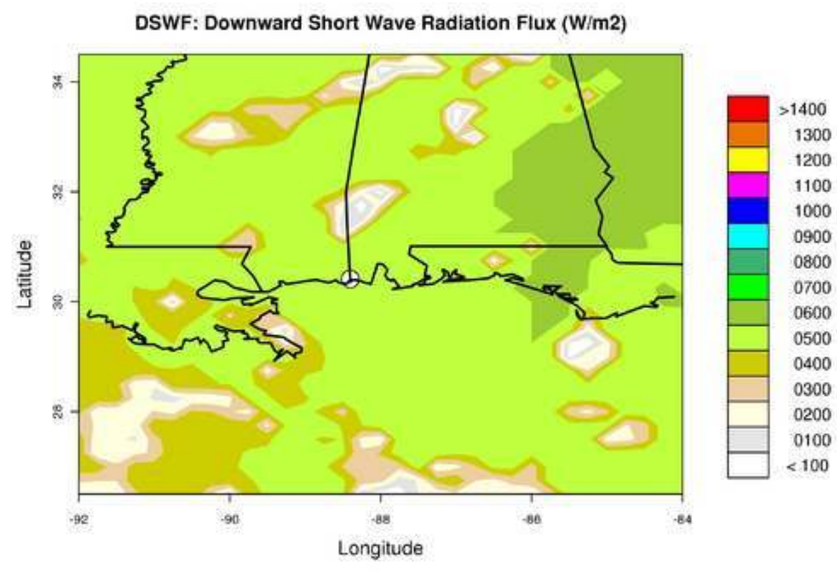
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

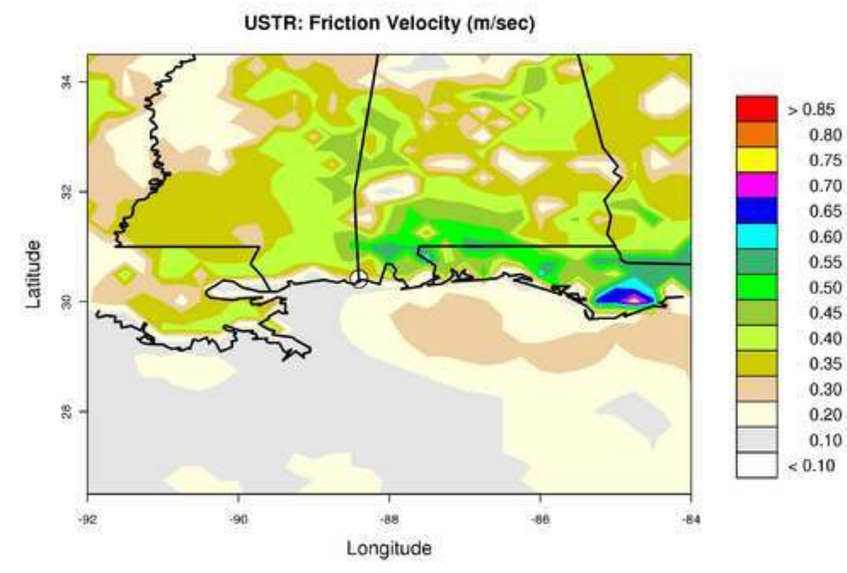

FORECAST for 2010_08_10, local hour = 09
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

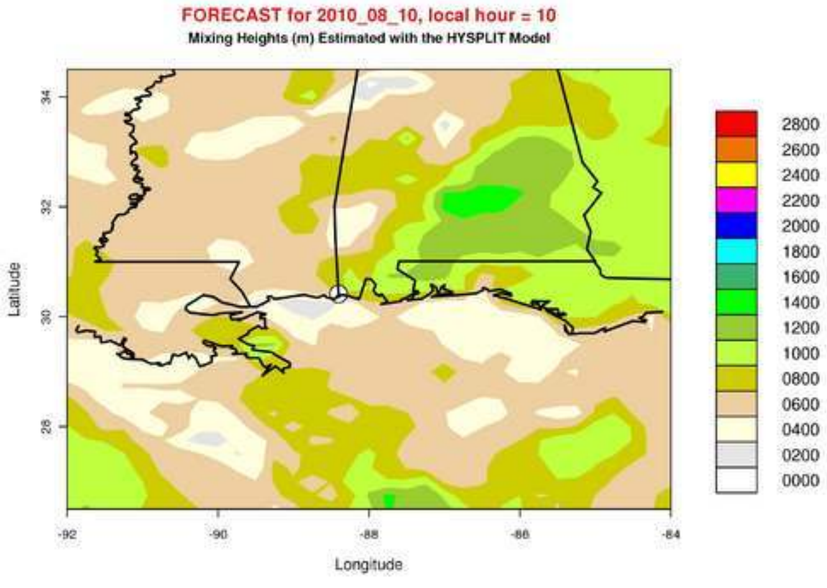

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

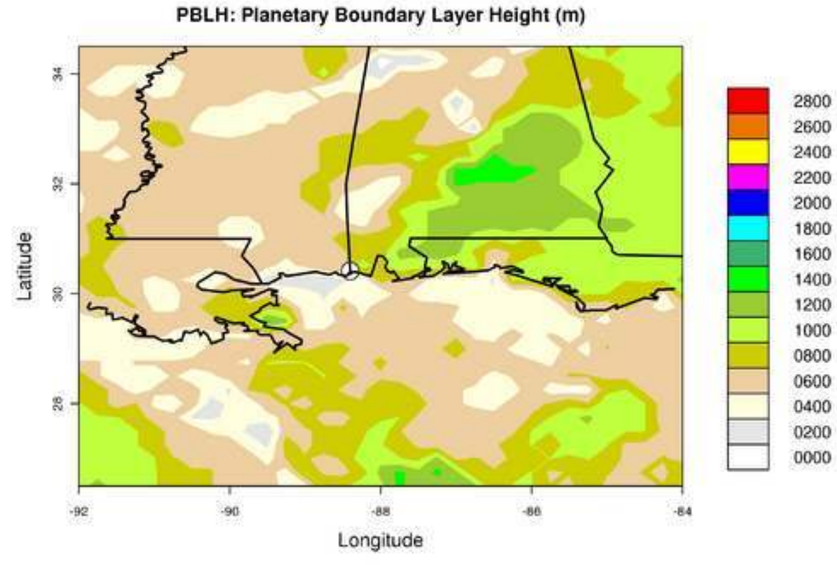

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

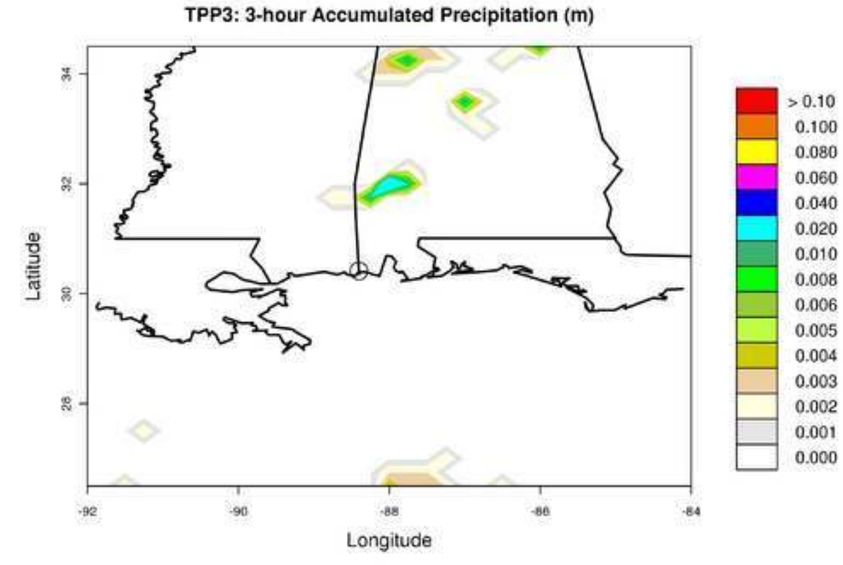

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

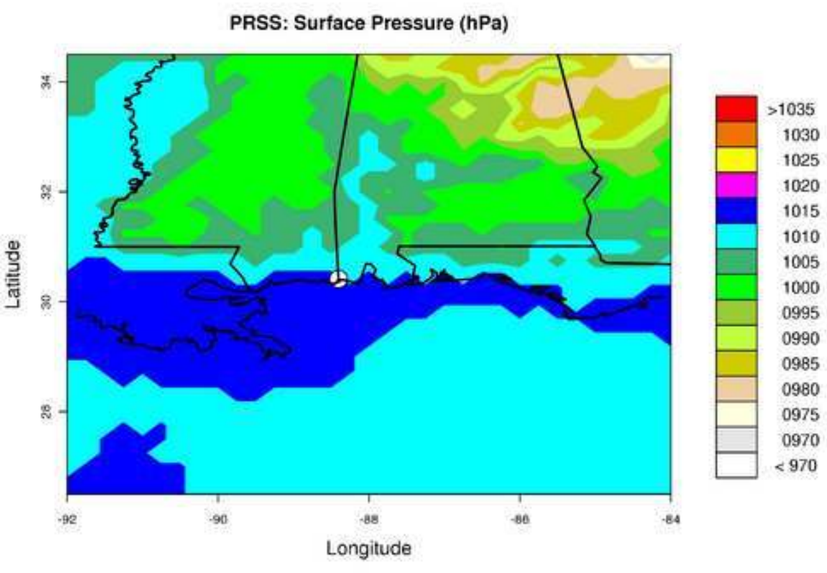

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

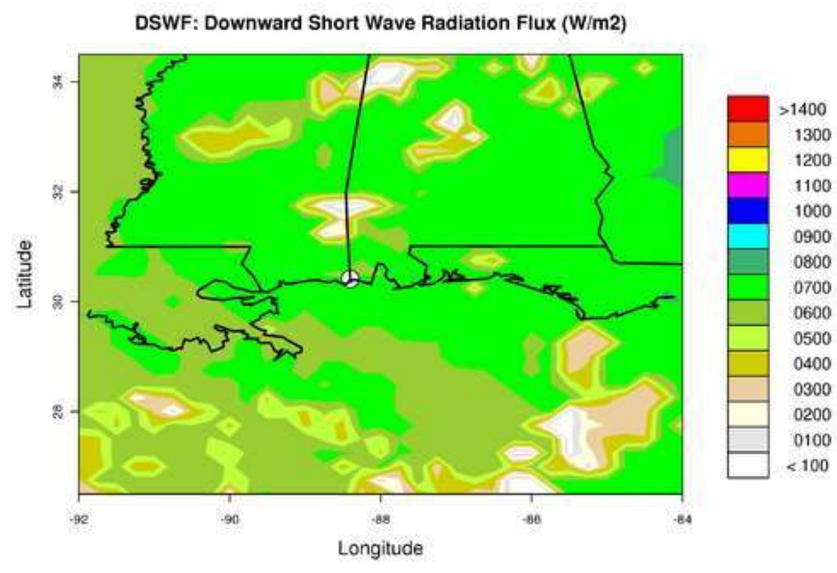

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

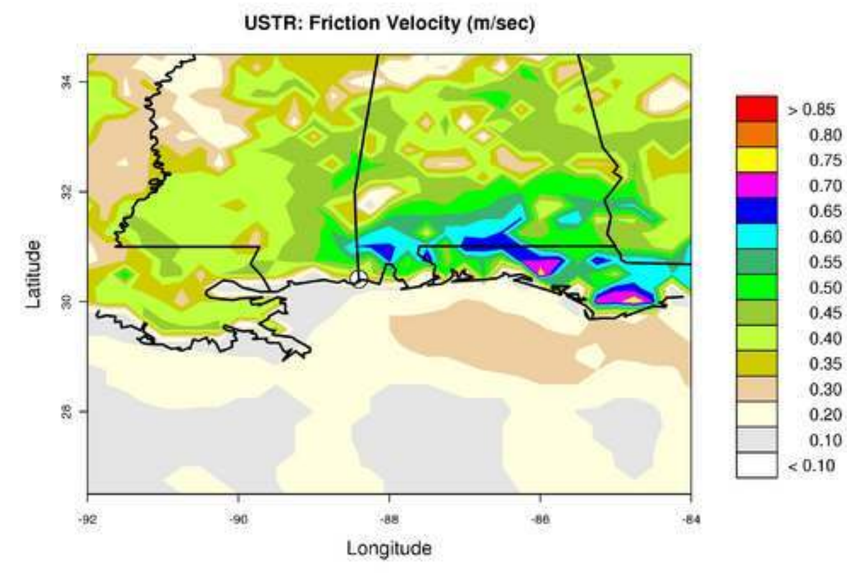

FORECAST for 2010_08_10, local hour = 10
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

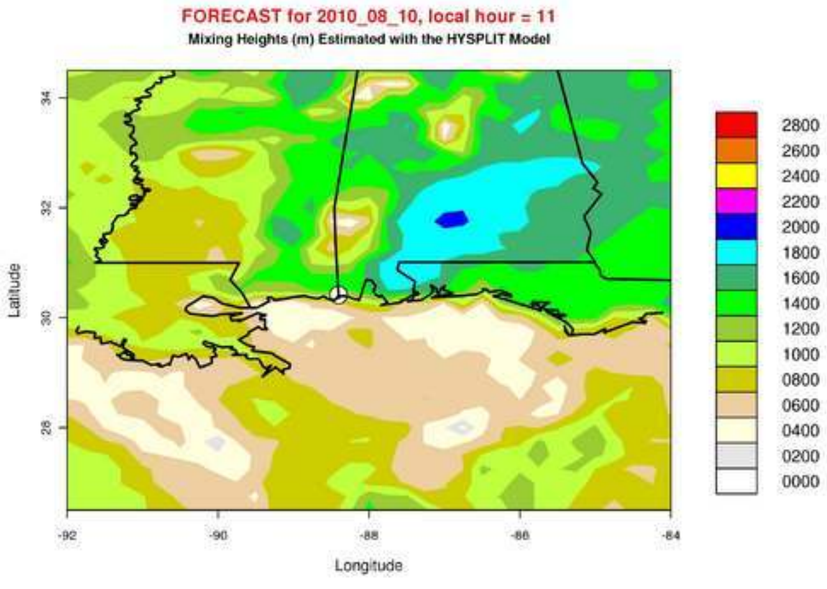

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

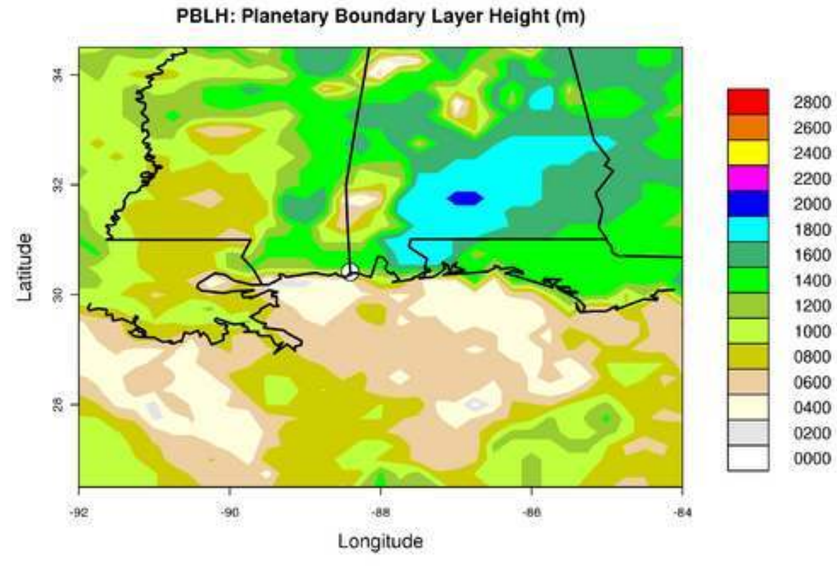

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

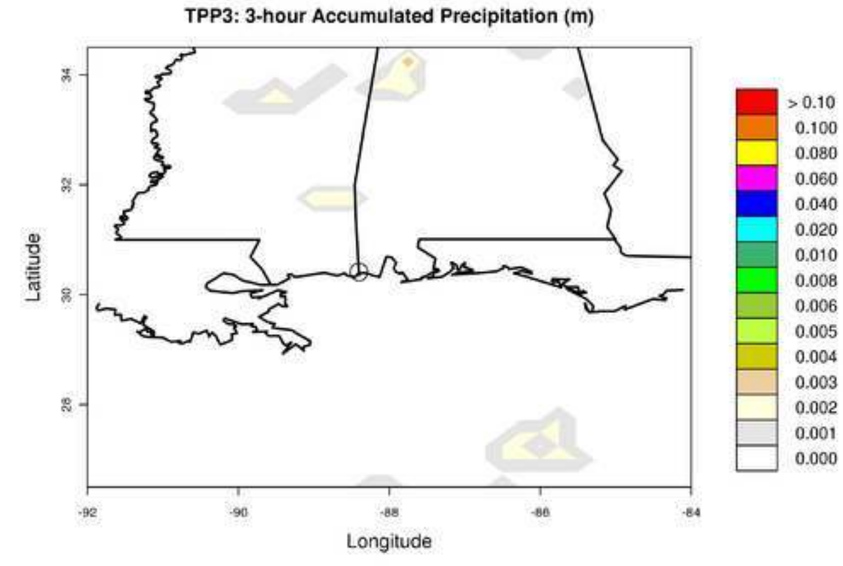

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

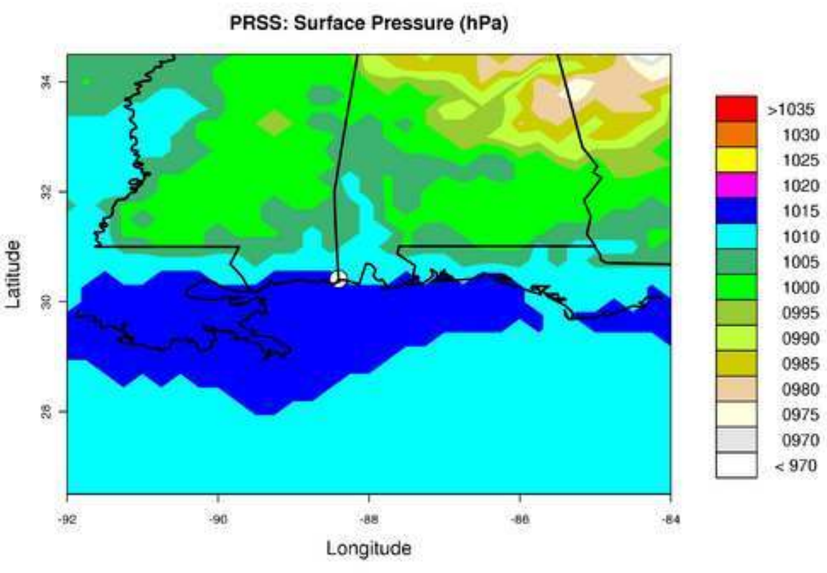

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

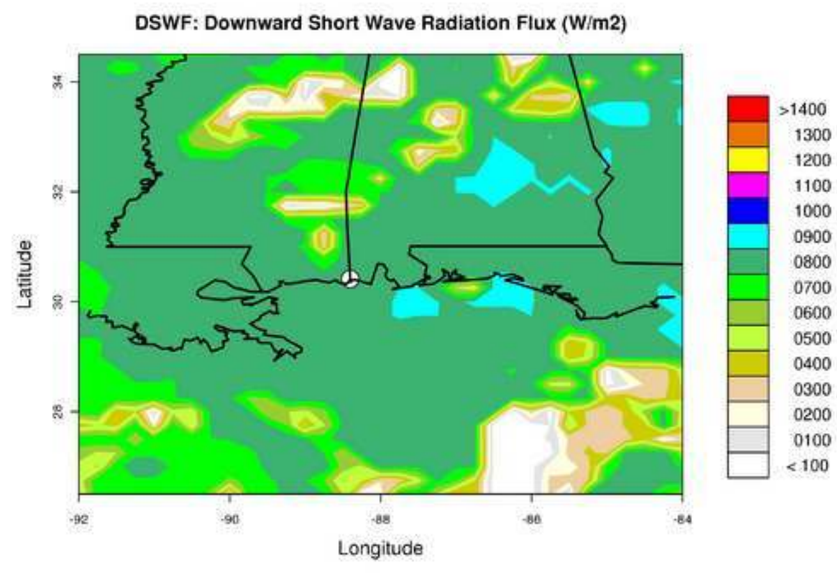

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

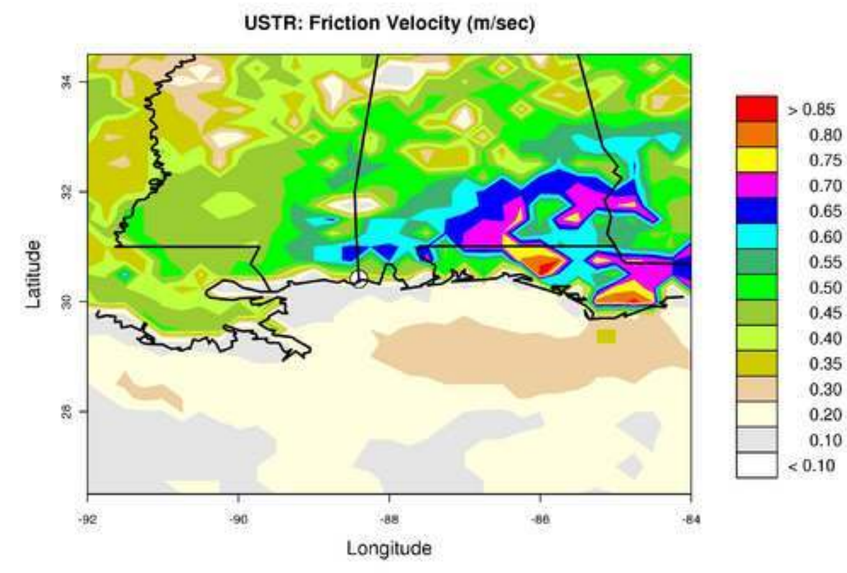

FORECAST for 2010_08_10, local hour = 11
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

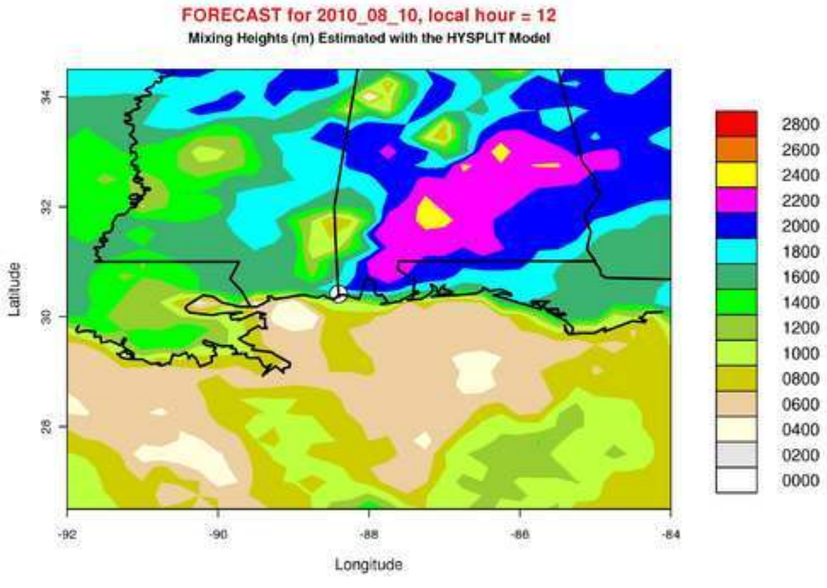

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

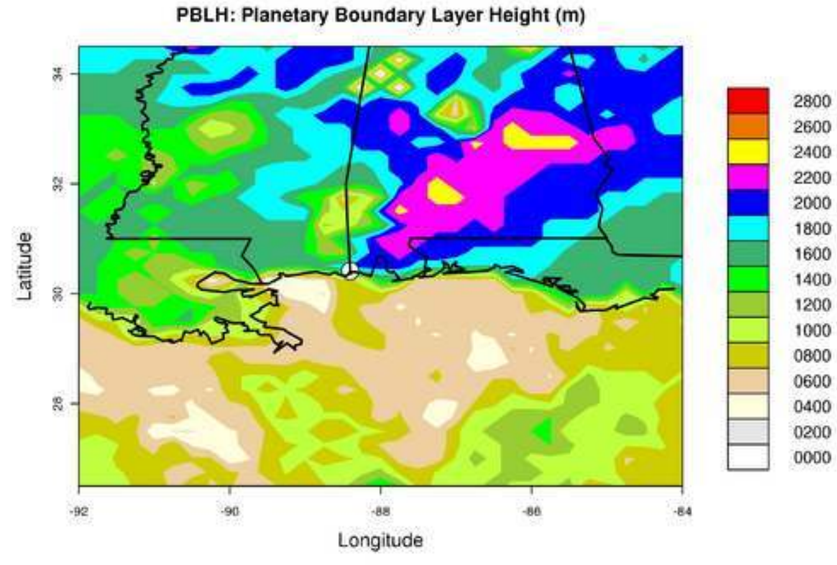

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

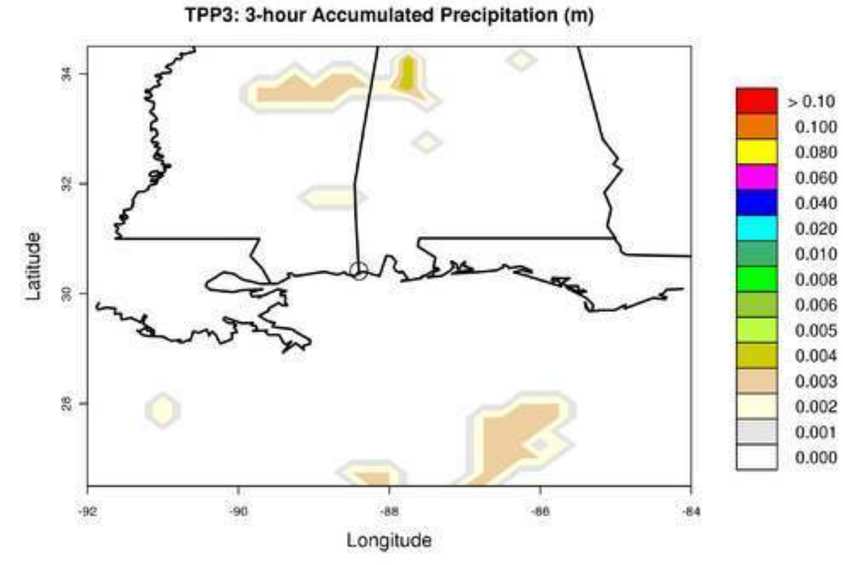

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

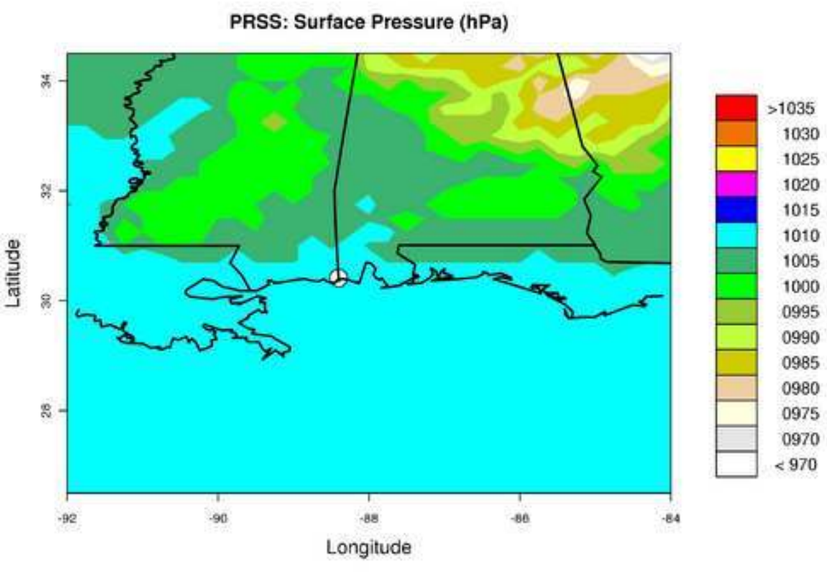

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

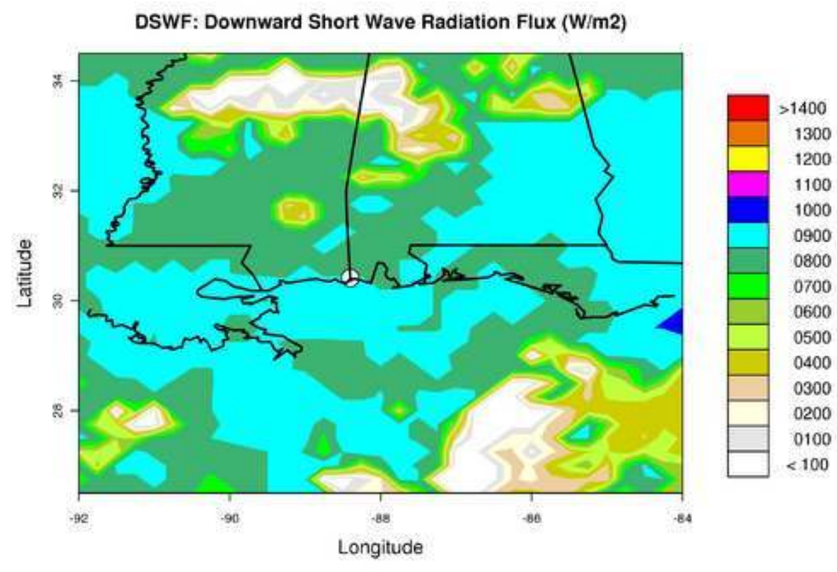

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

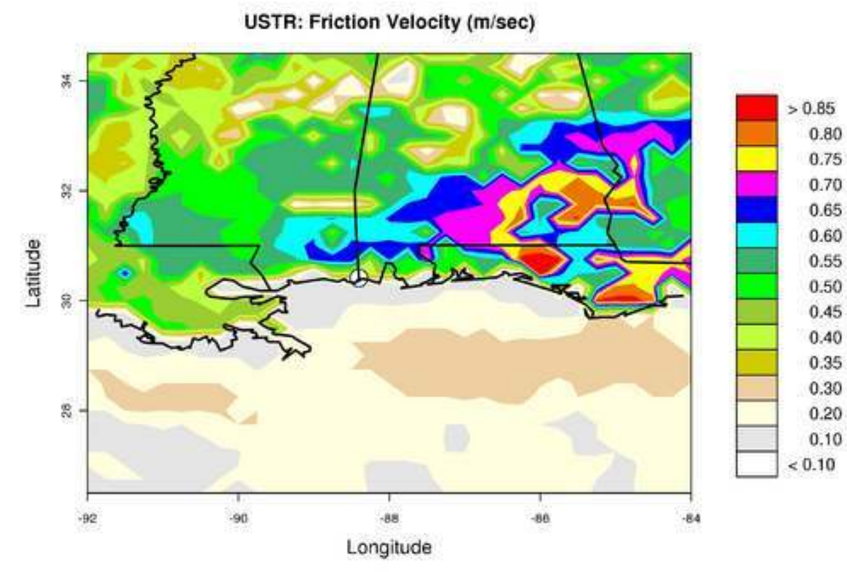

FORECAST for 2010_08_10, local hour = 12
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

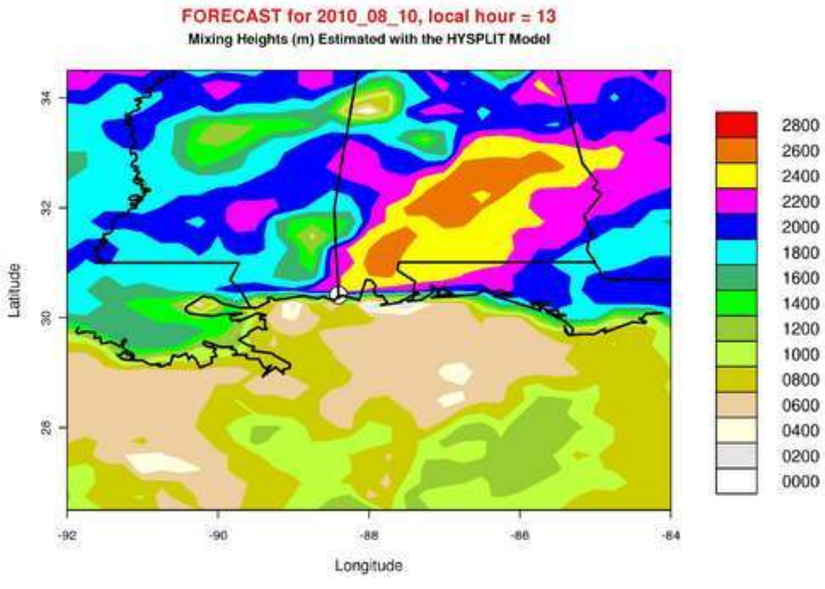

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

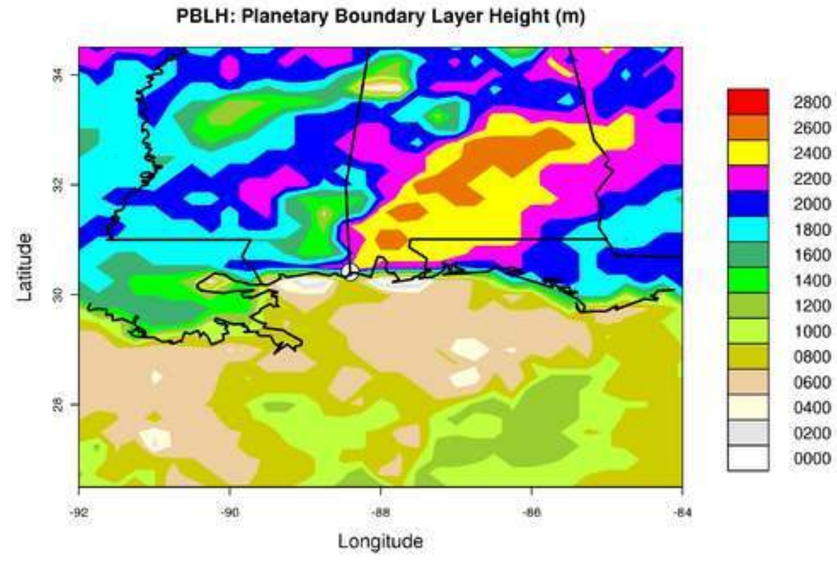

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

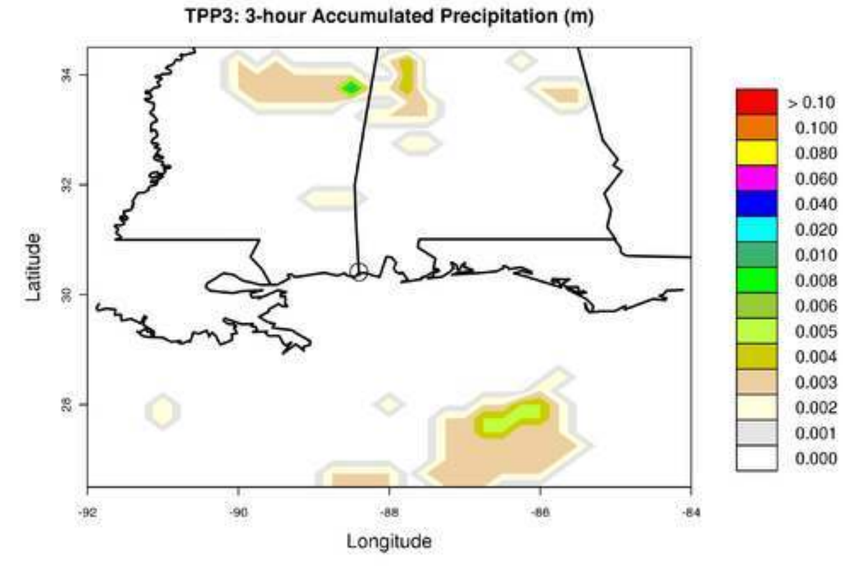

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

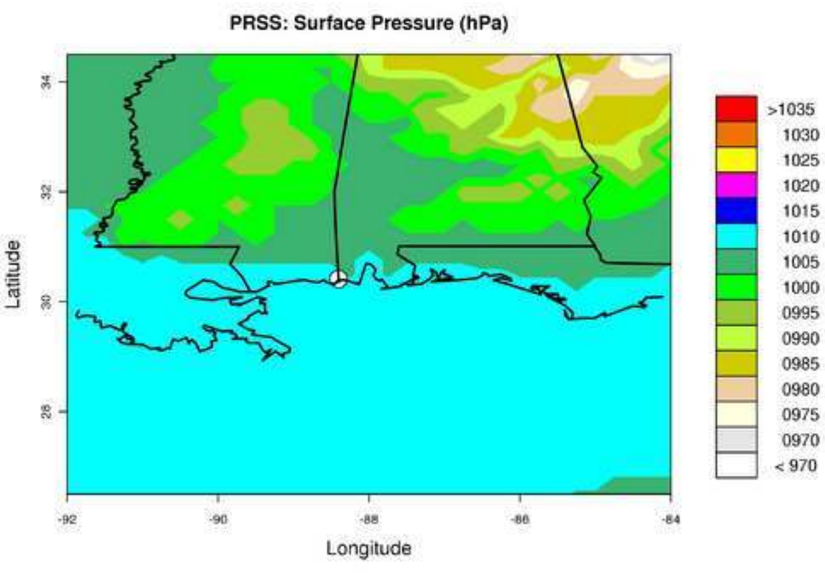

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

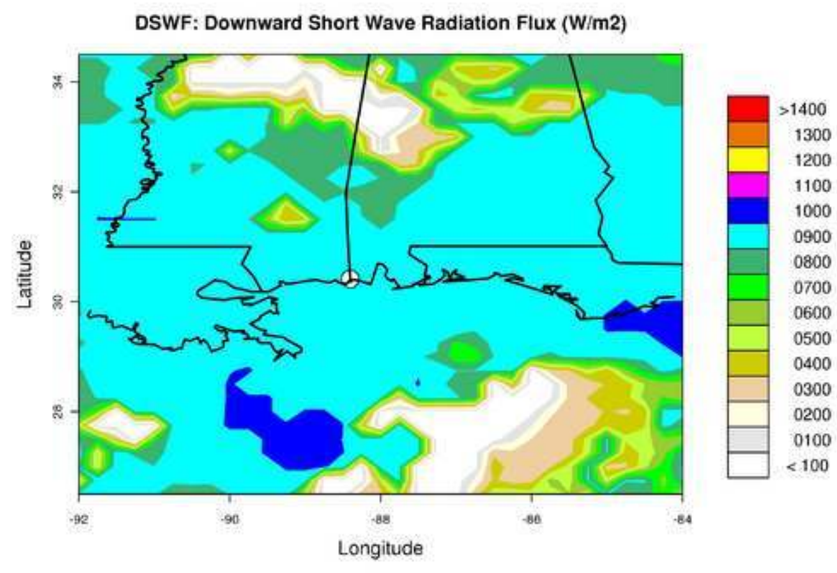

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

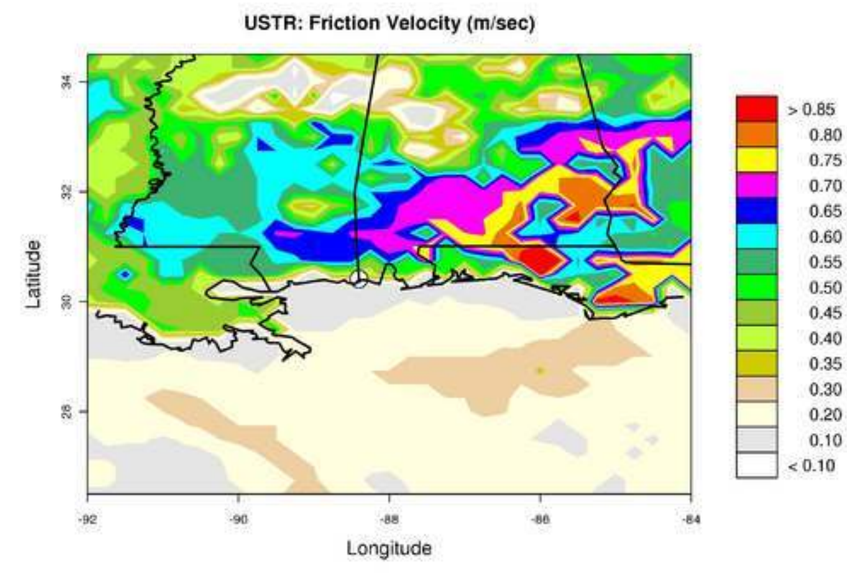

FORECAST for 2010_08_10, local hour = 13
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

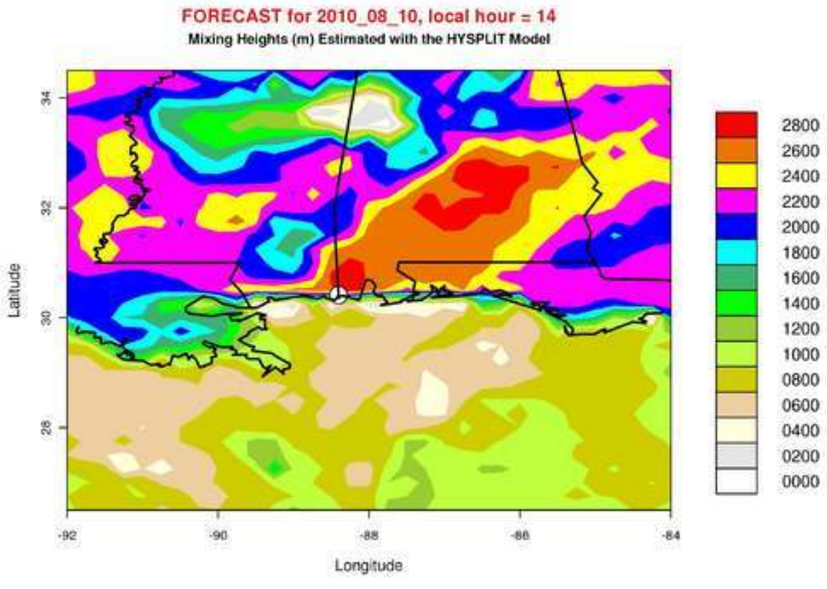

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

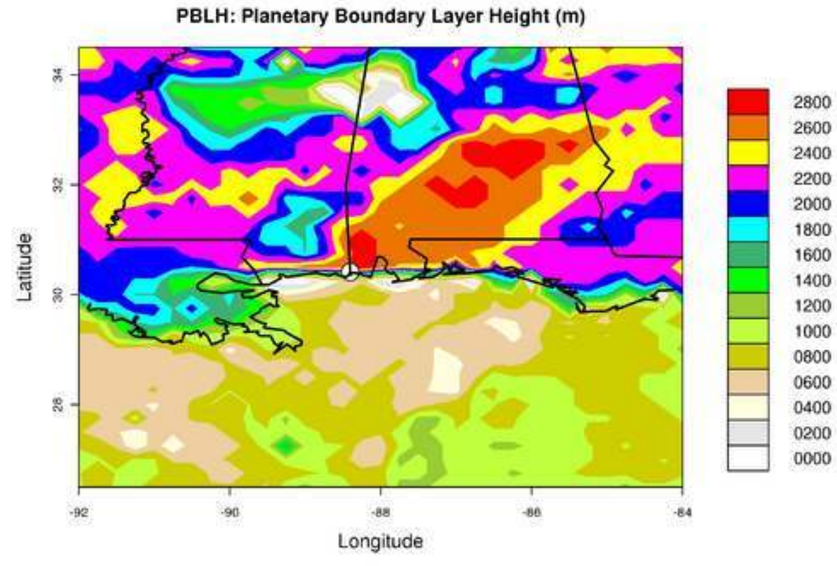

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

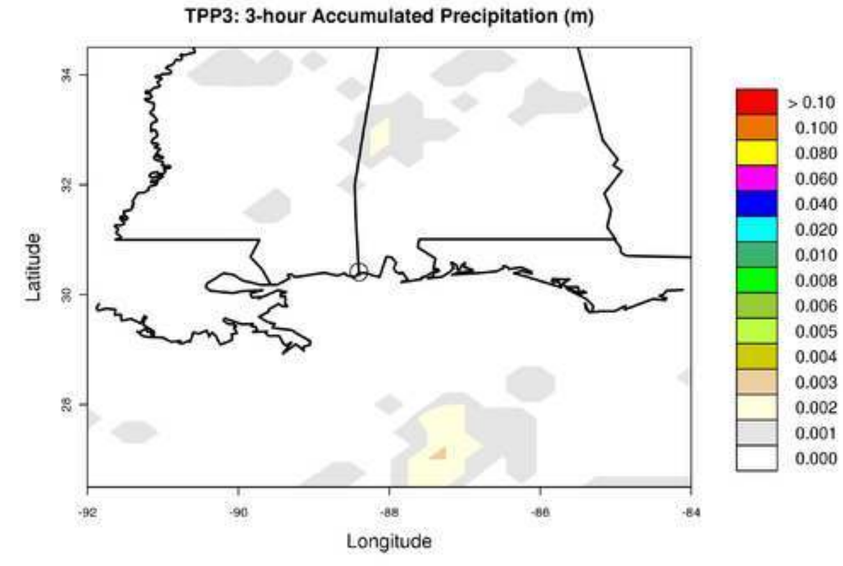

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

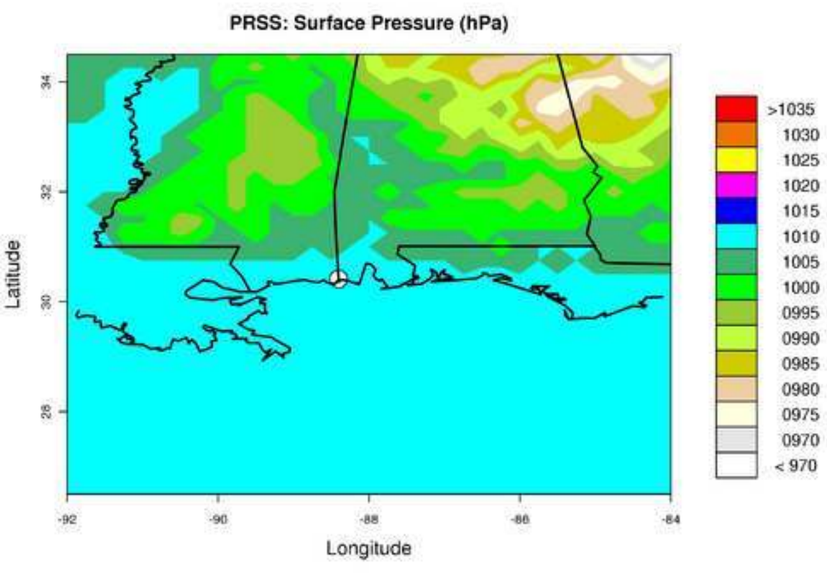

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

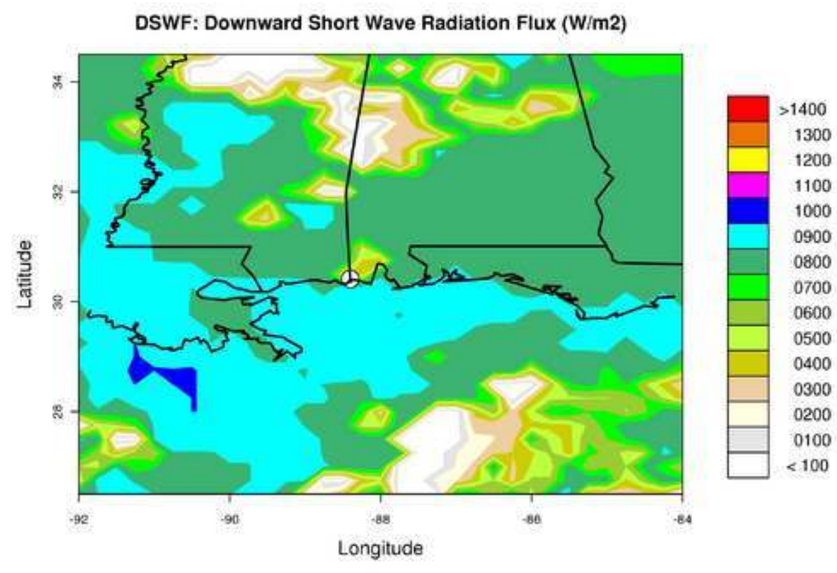

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

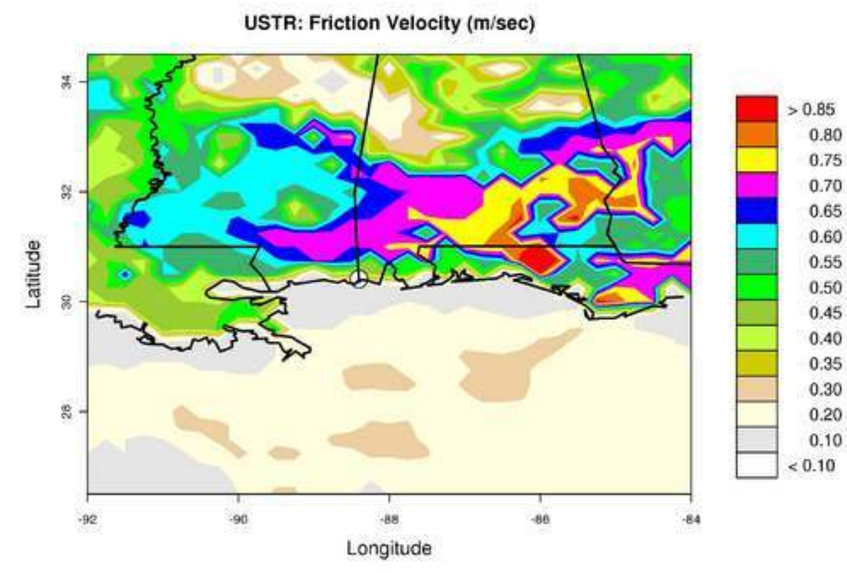

FORECAST for 2010_08_10, local hour = 14
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

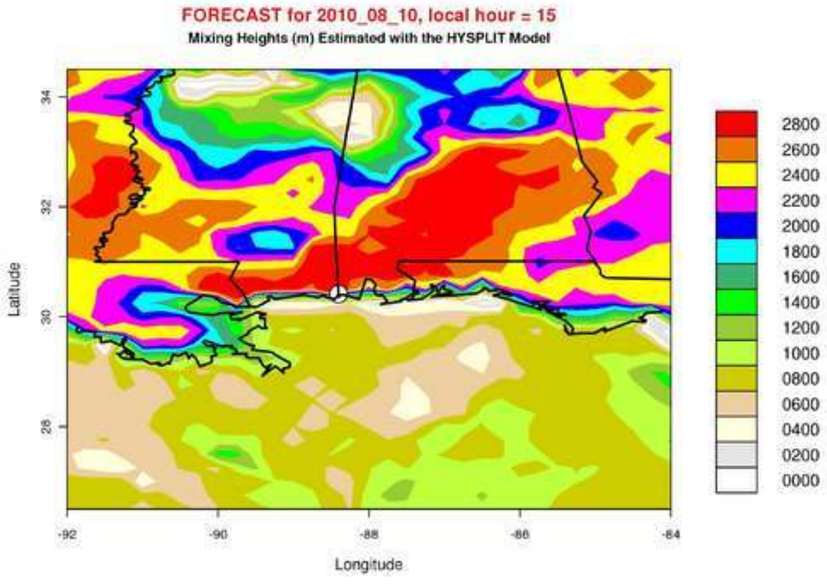

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

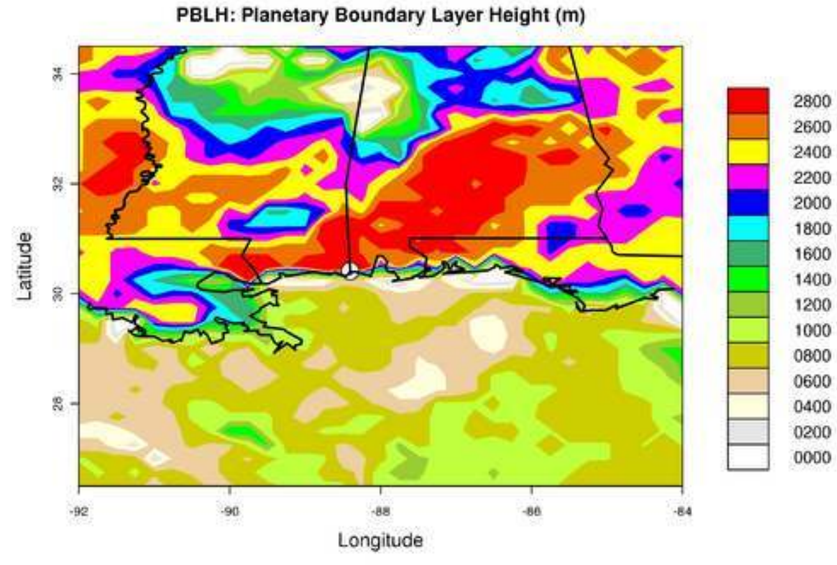

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

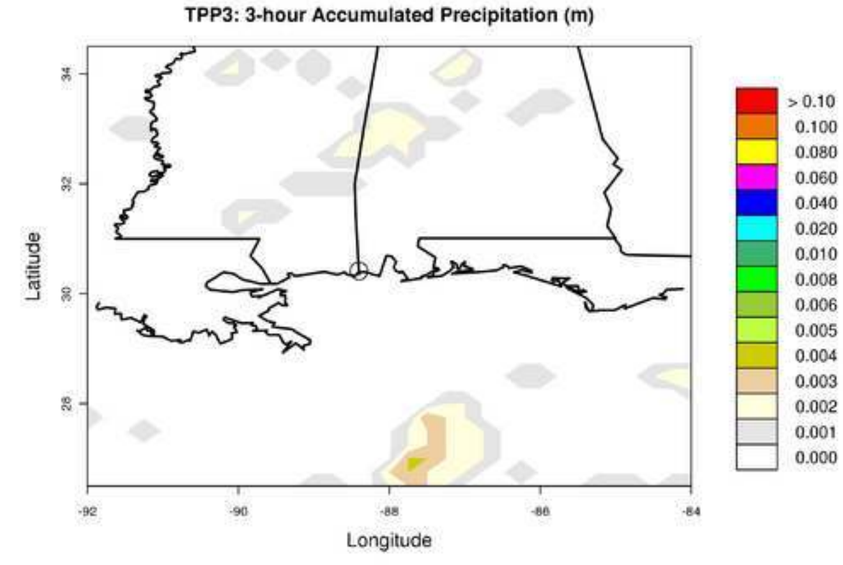

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

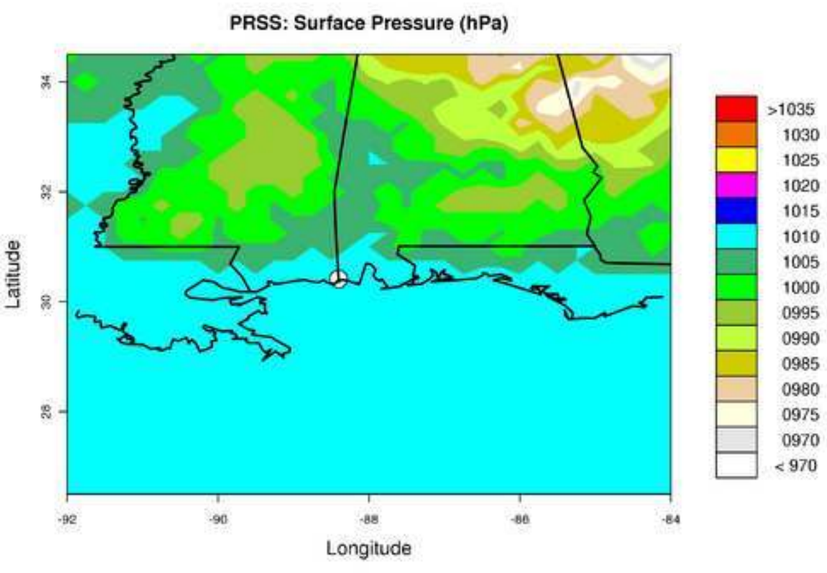

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

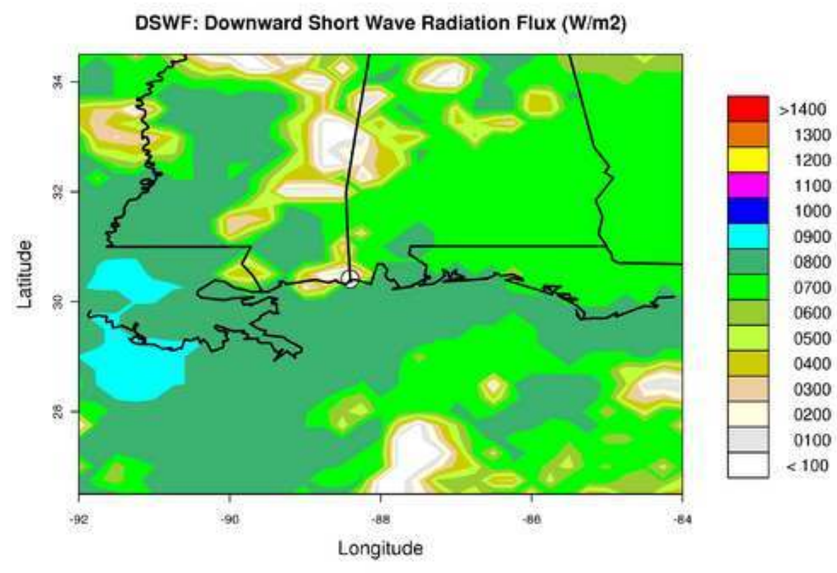

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

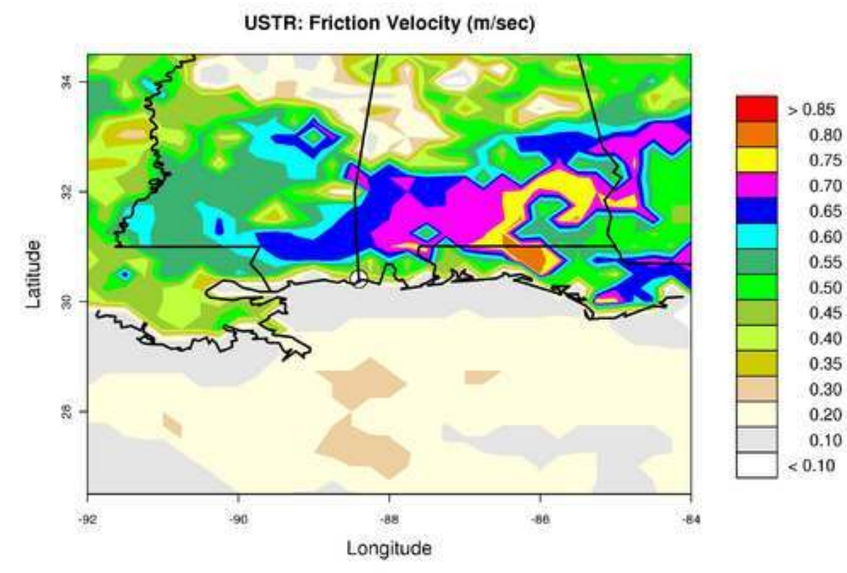

FORECAST for 2010_08_10, local hour = 15
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

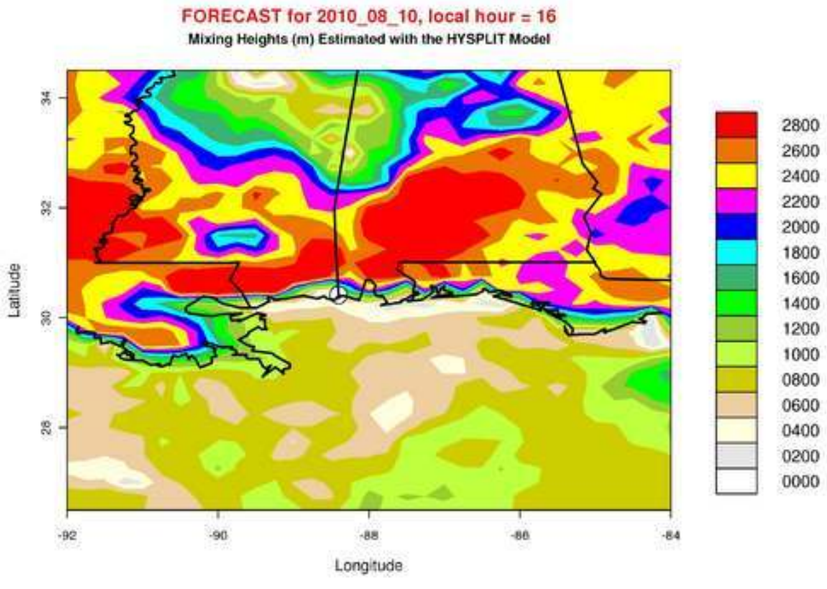

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

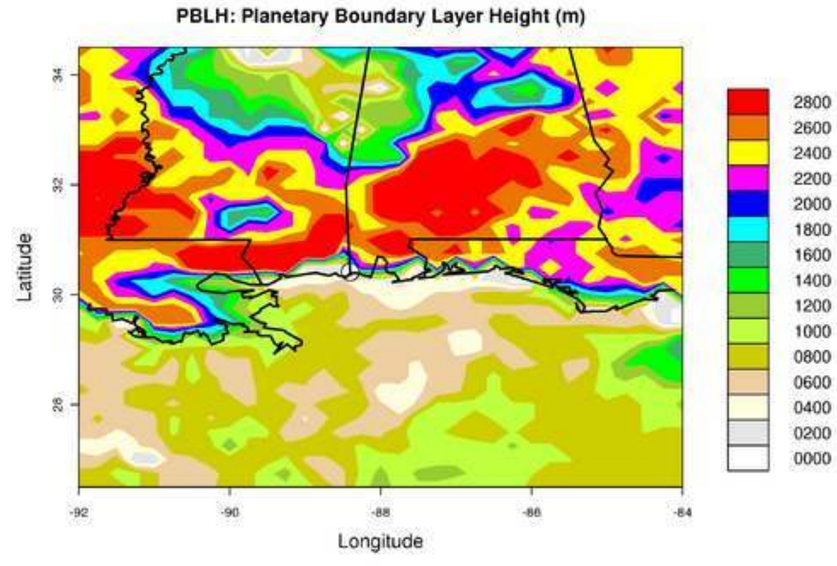

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

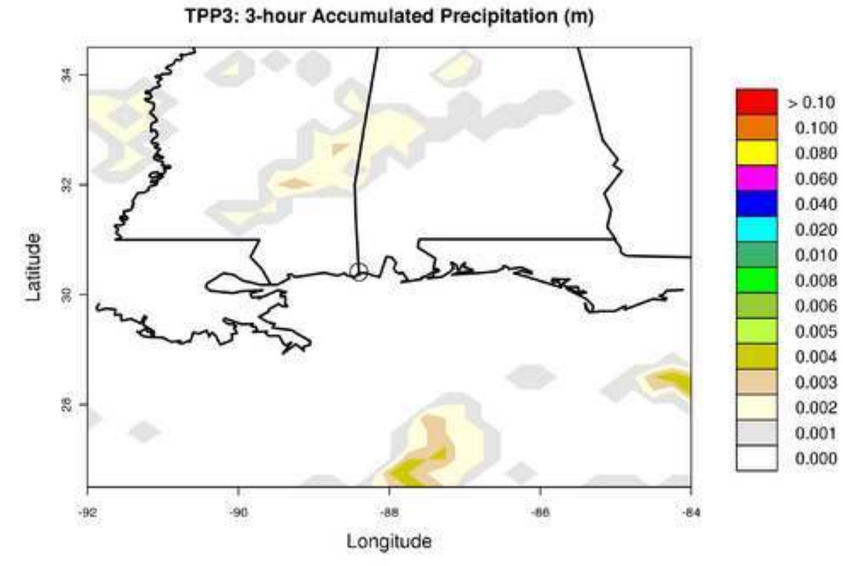

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

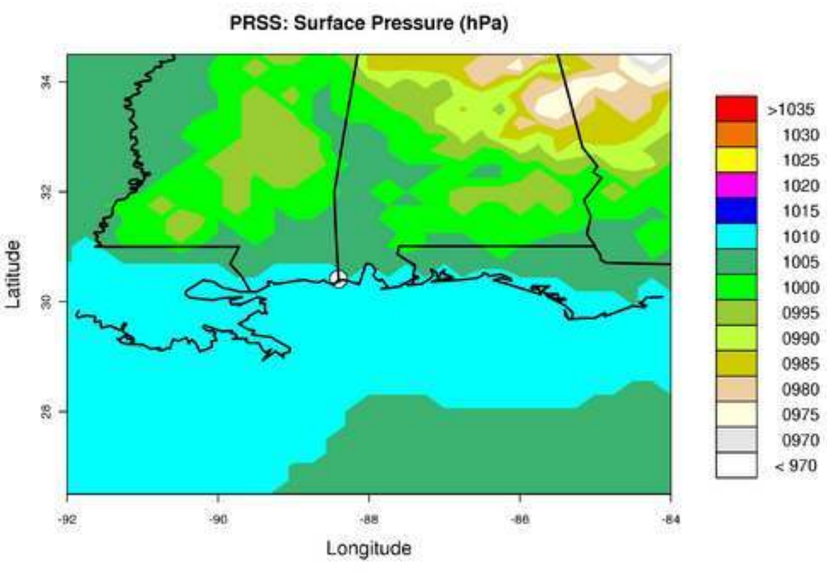

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

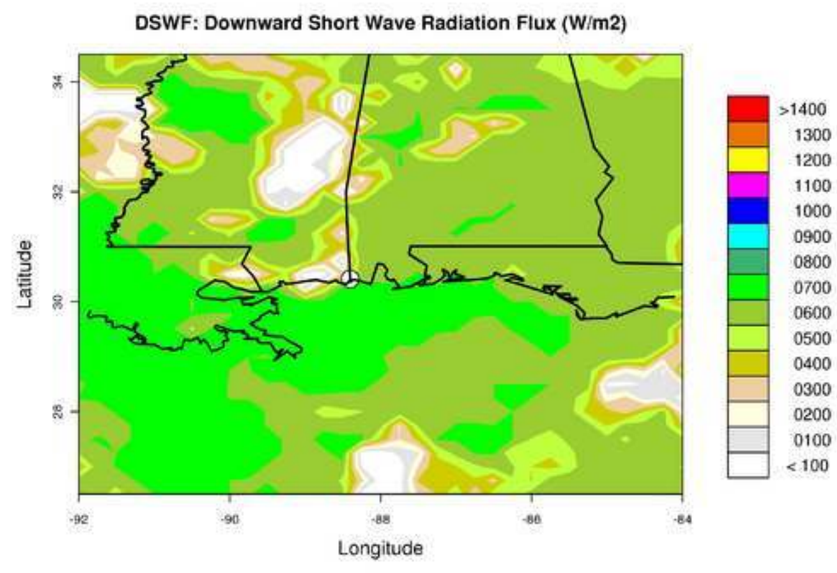

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

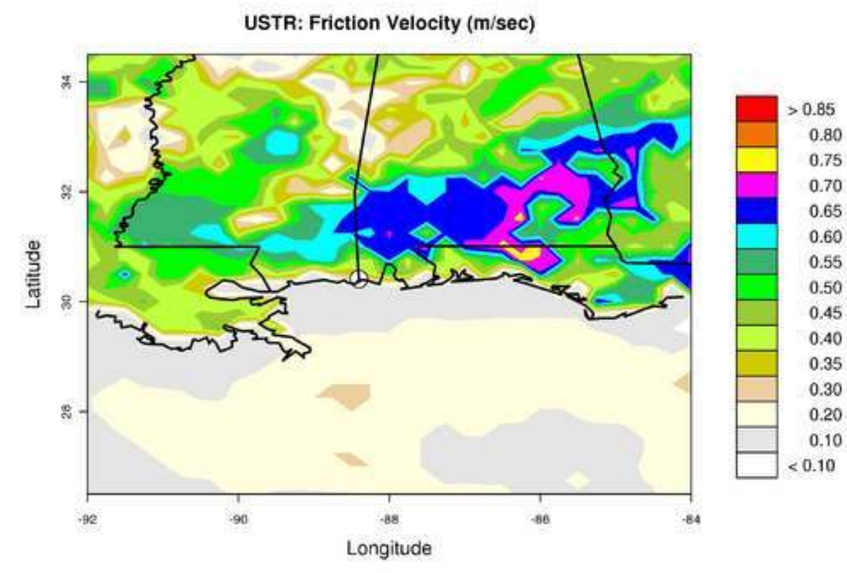

FORECAST for 2010_08_10, local hour = 16
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

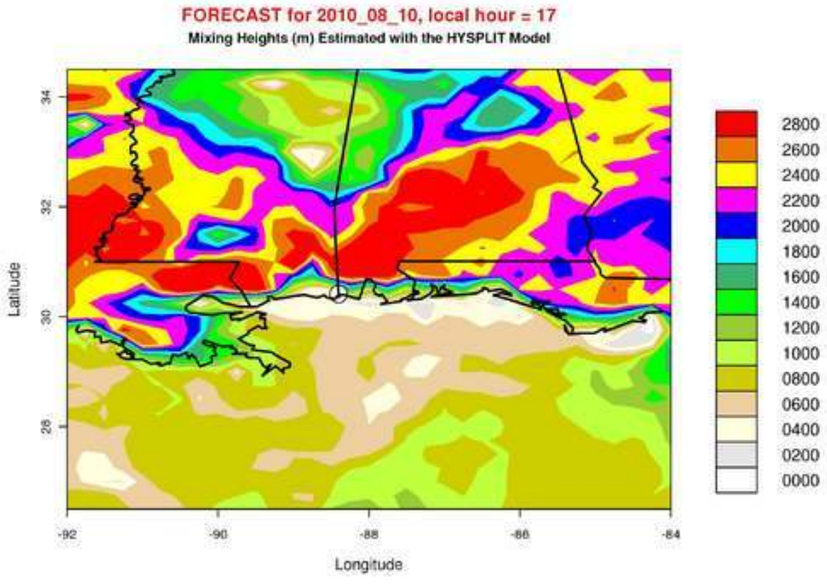

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

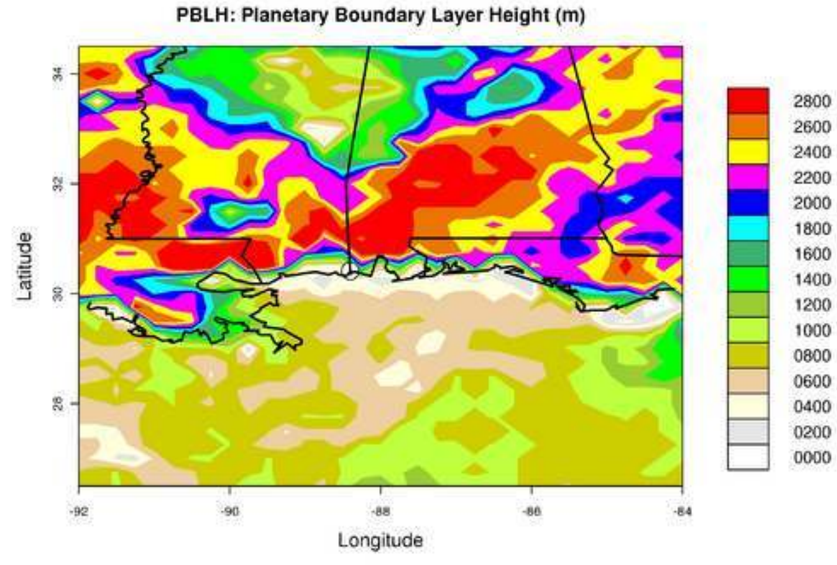

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

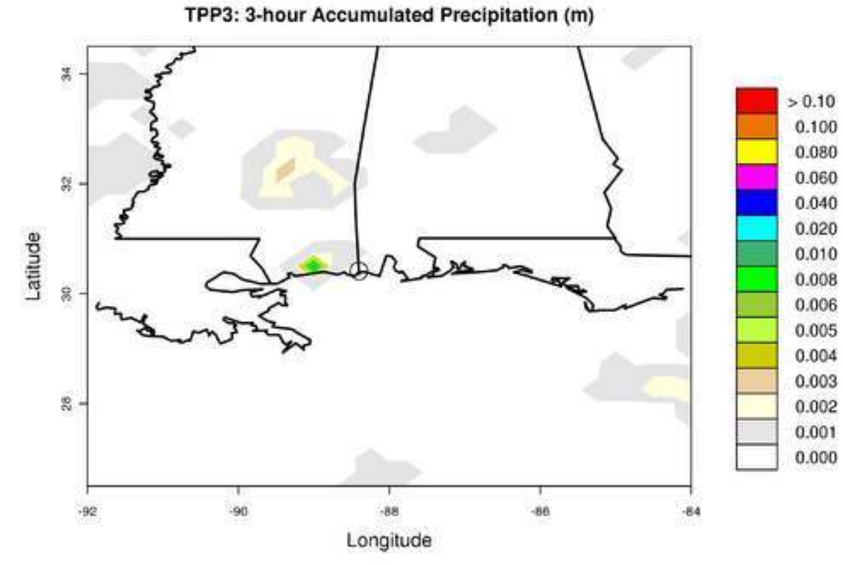

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

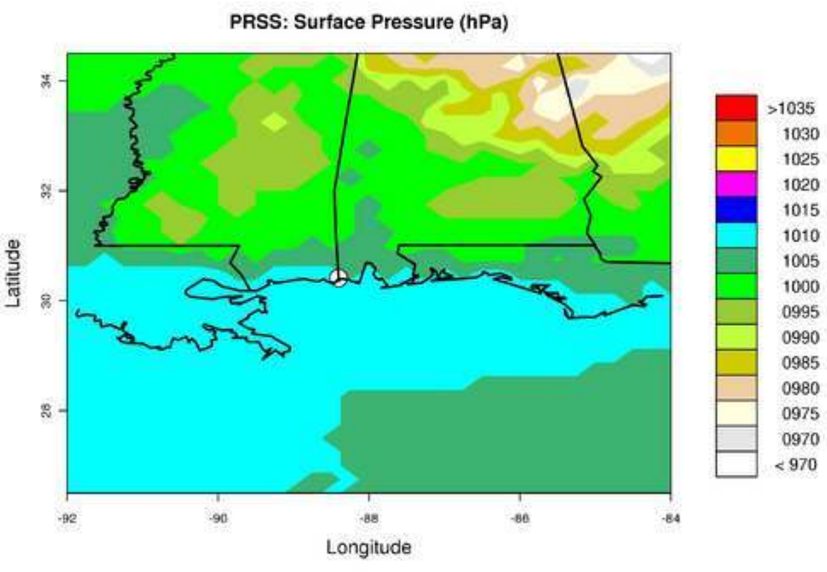

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

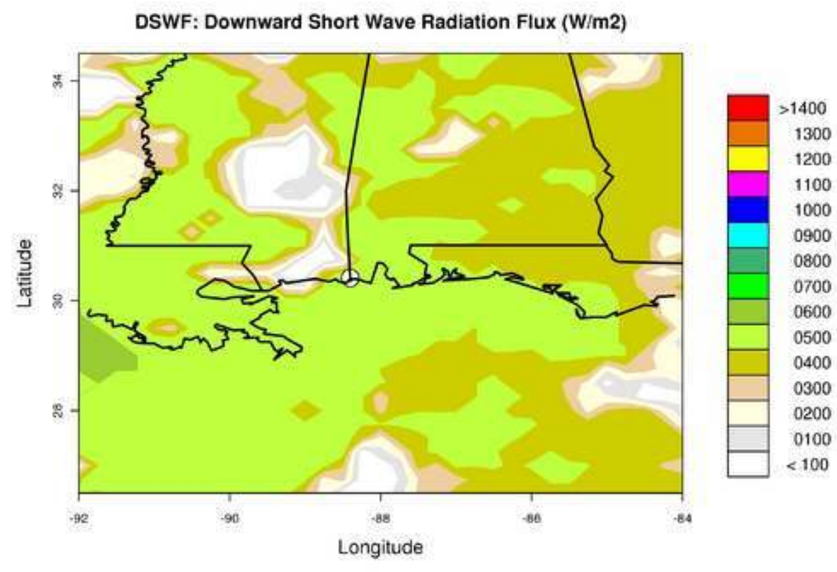

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

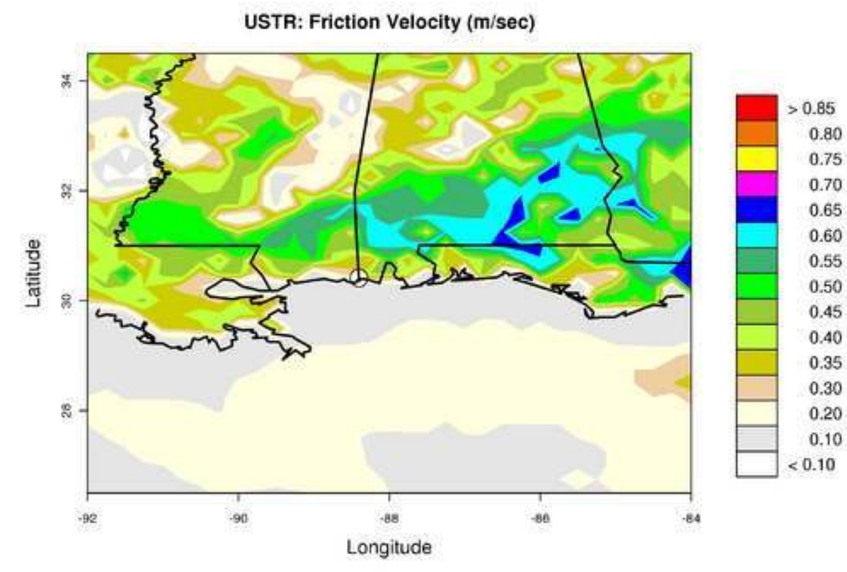

FORECAST for 2010_08_10, local hour = 17
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

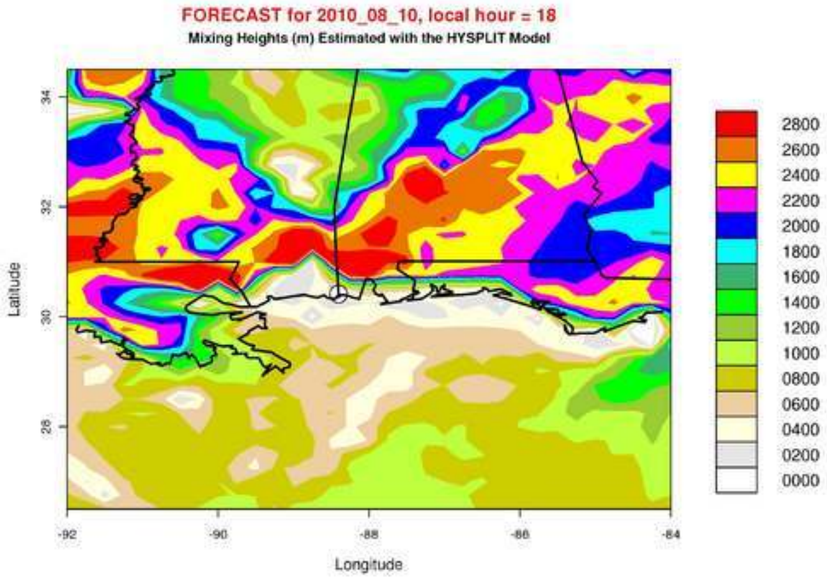

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

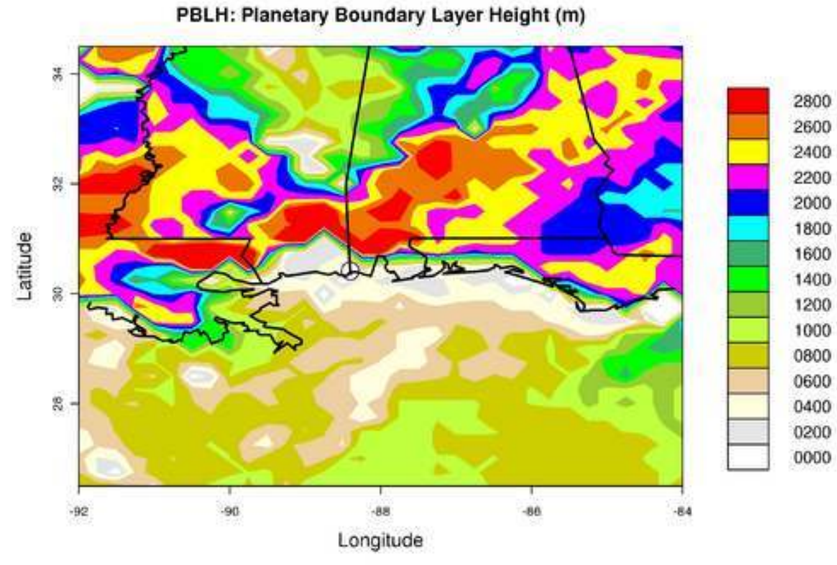

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

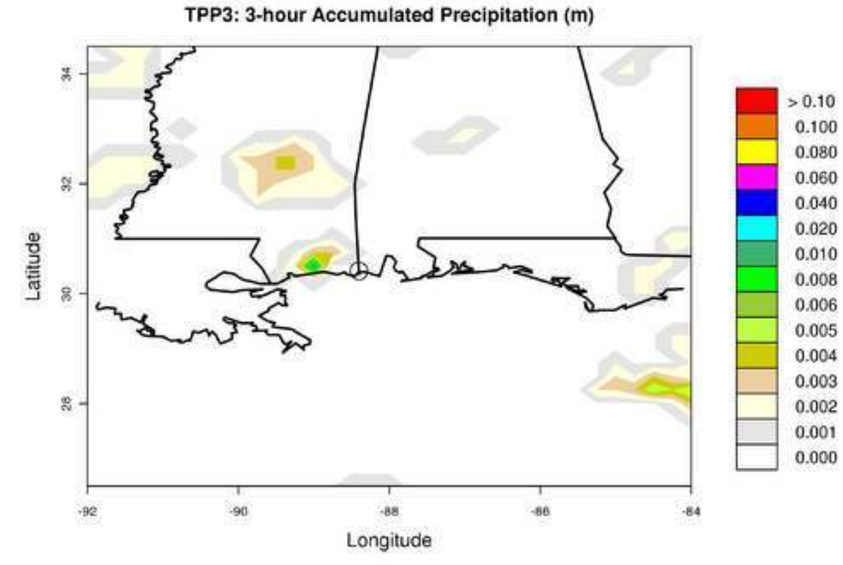

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

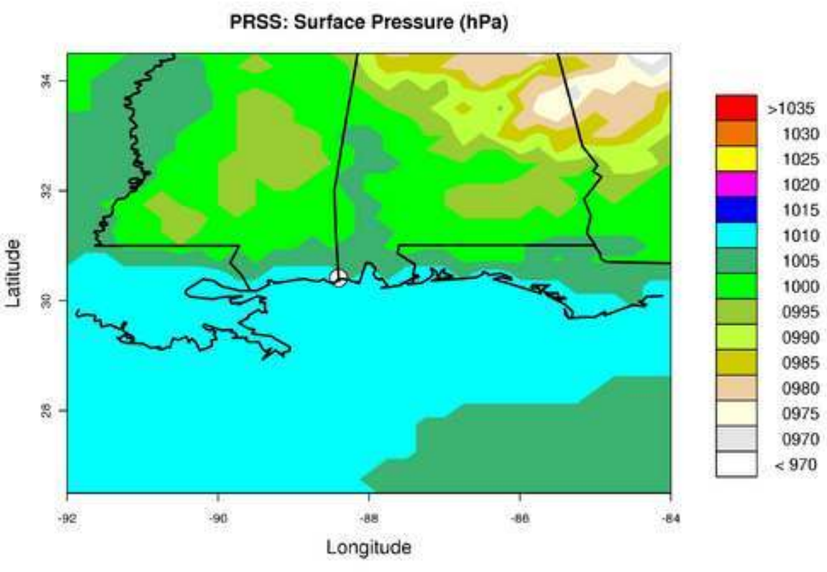

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

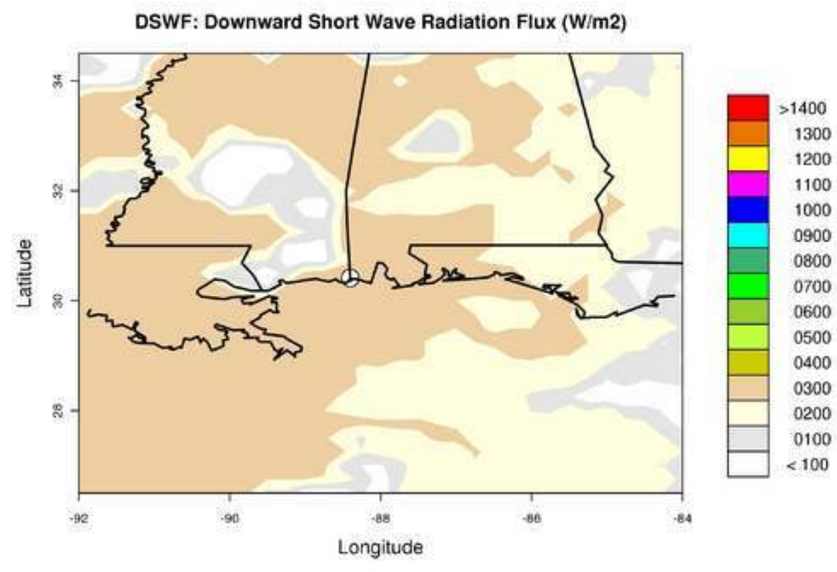

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

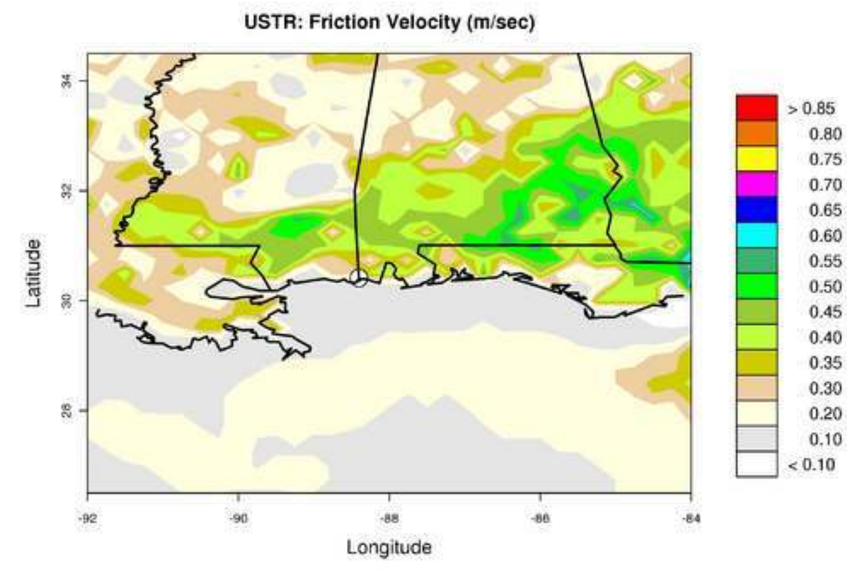

FORECAST for 2010_08_10, local hour = 18
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

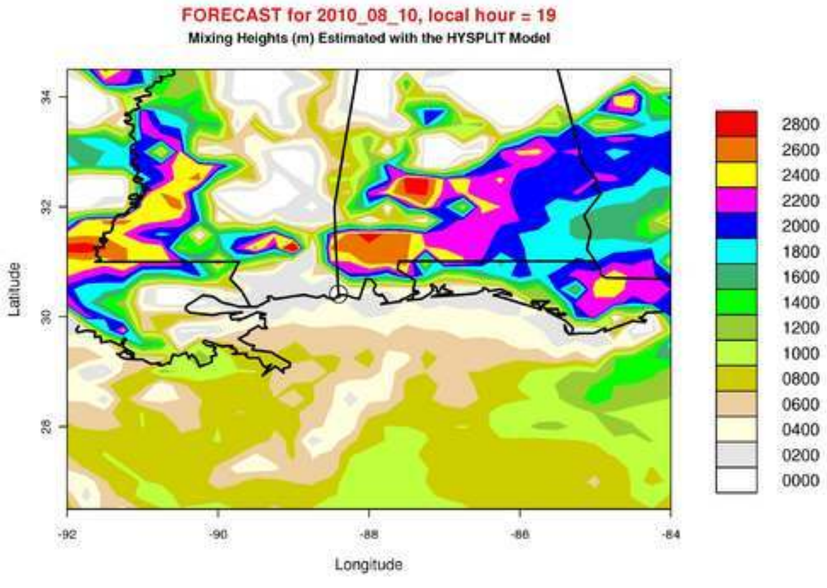

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

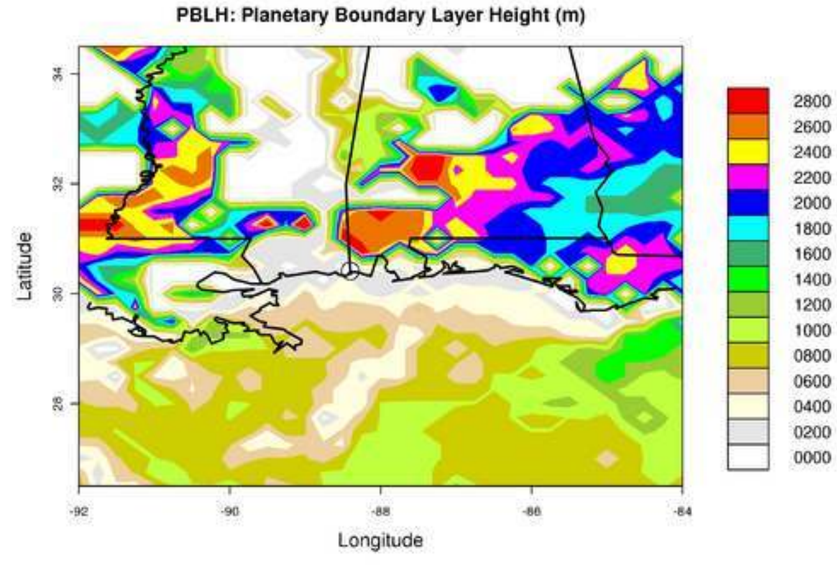

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

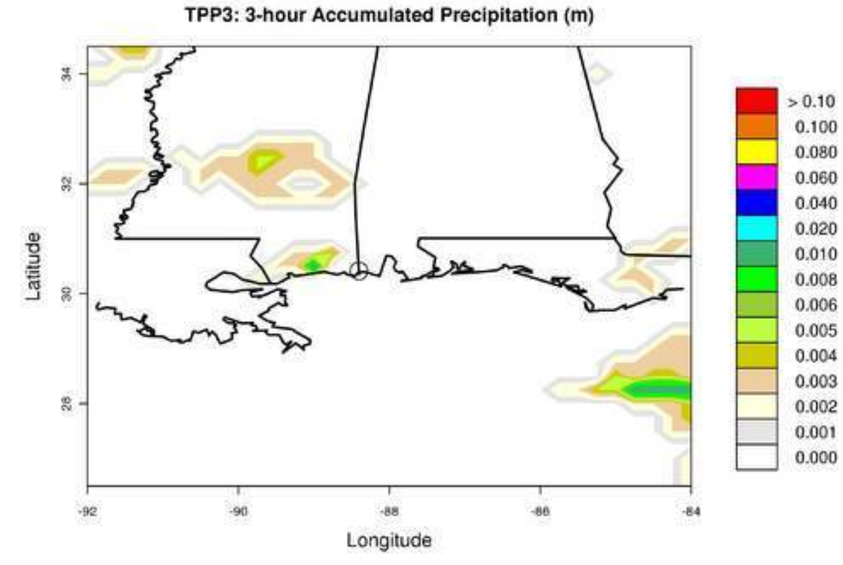

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

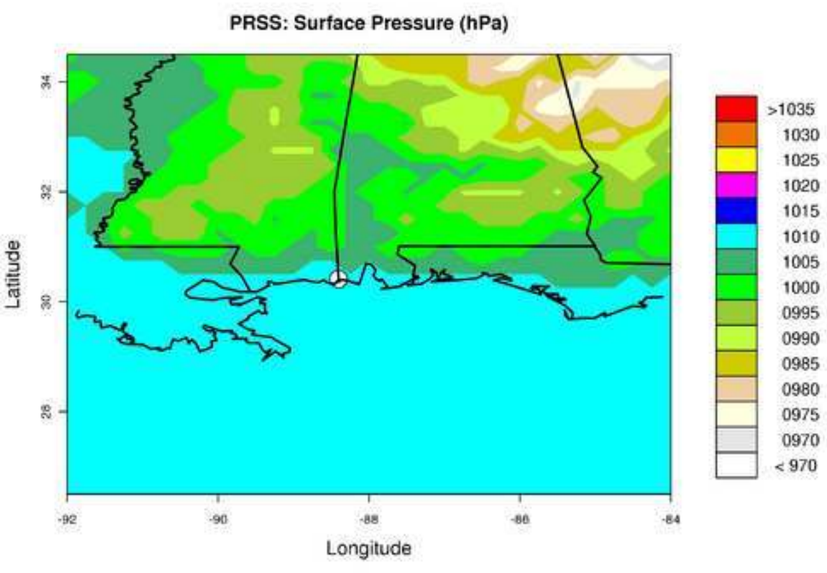

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

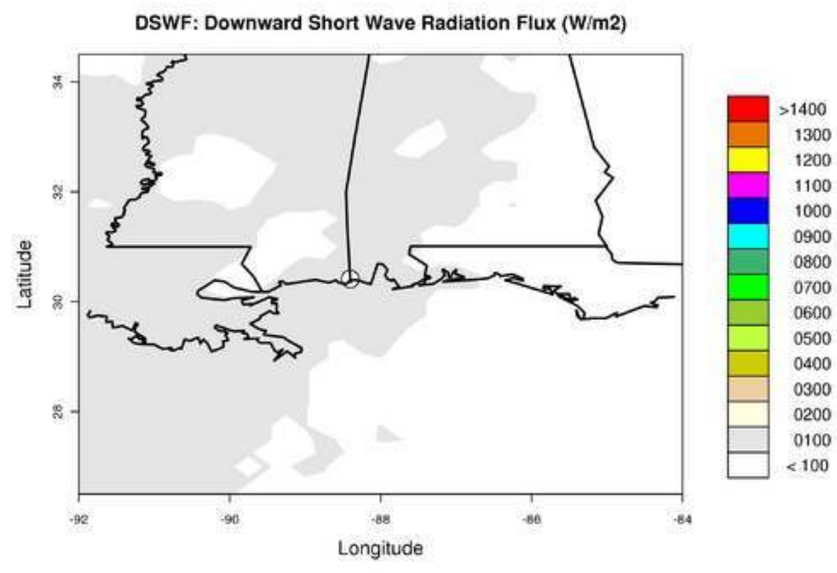

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

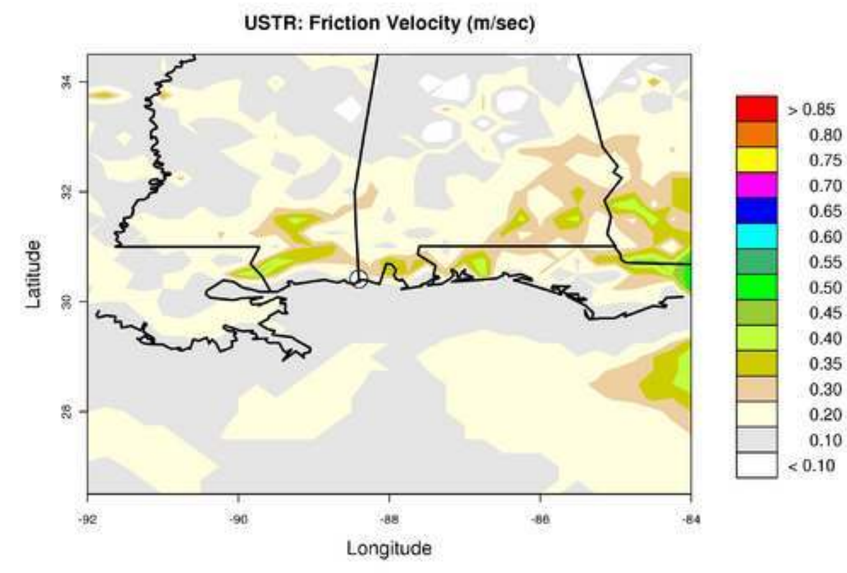

FORECAST for 2010_08_10, local hour = 19
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

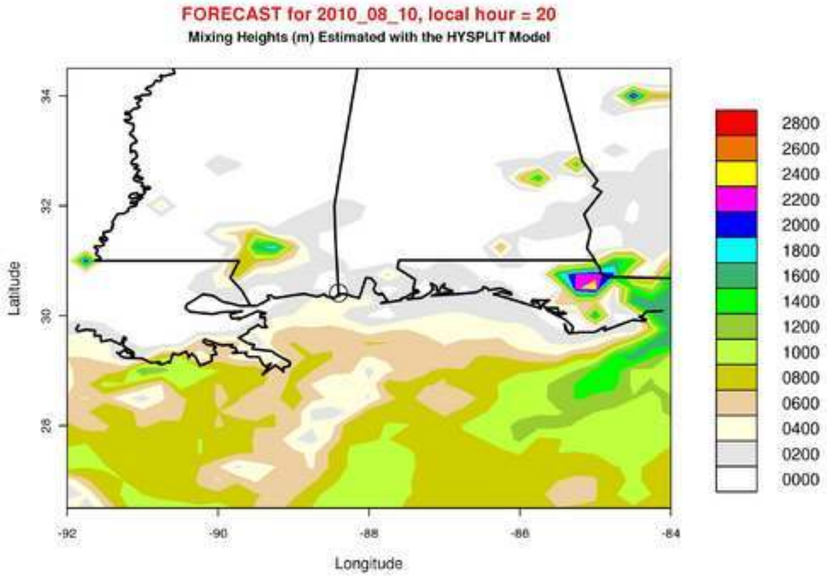

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

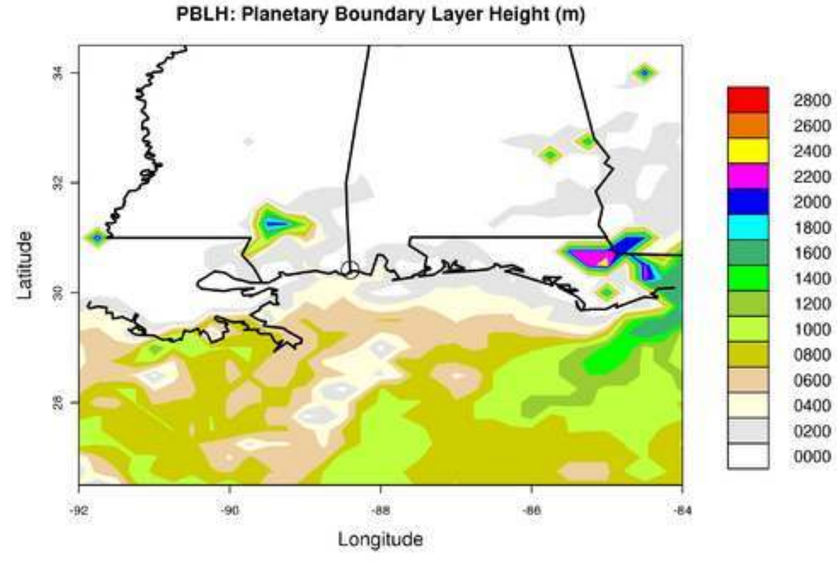

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

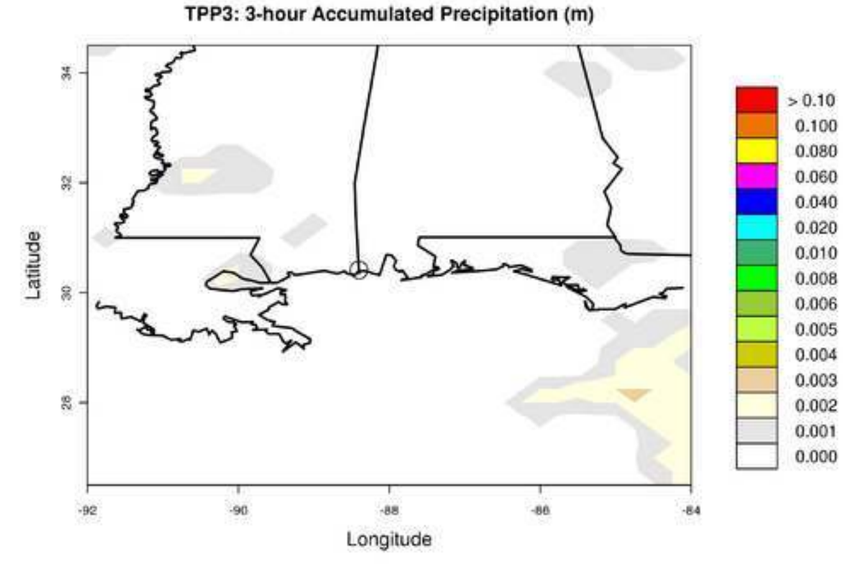

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

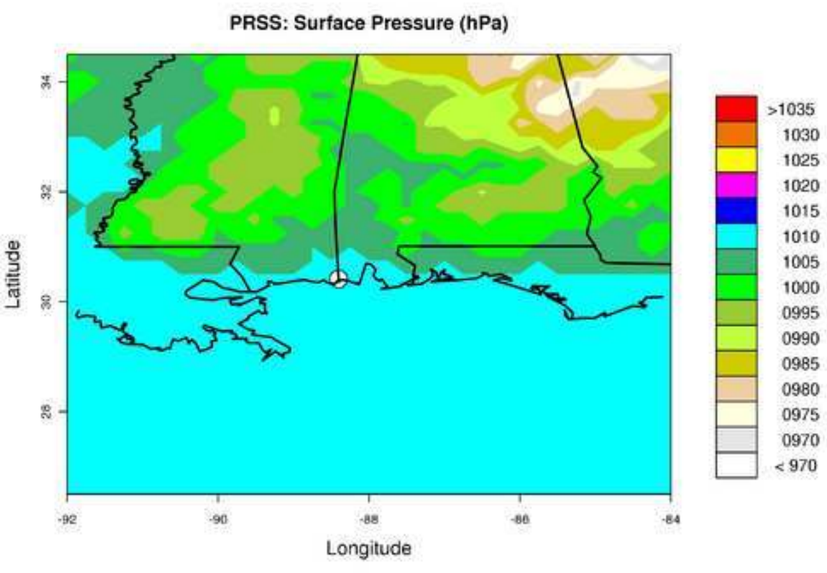

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

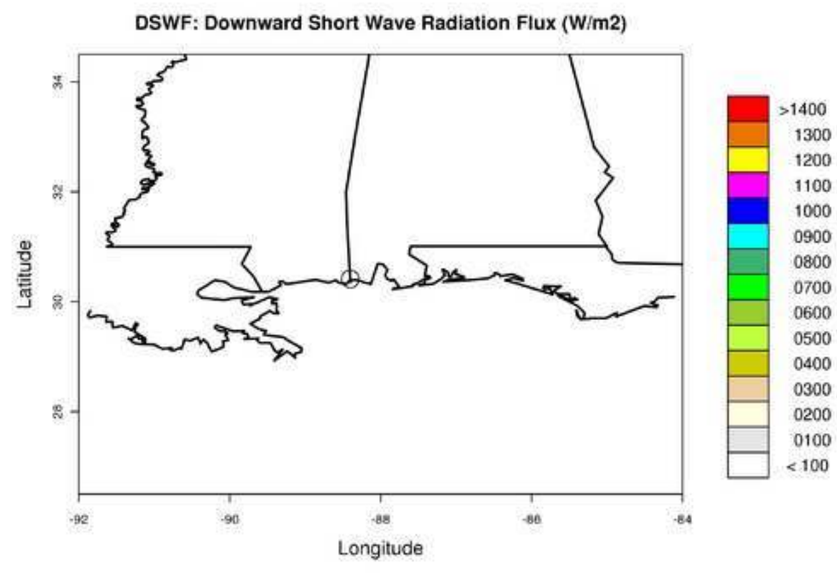

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

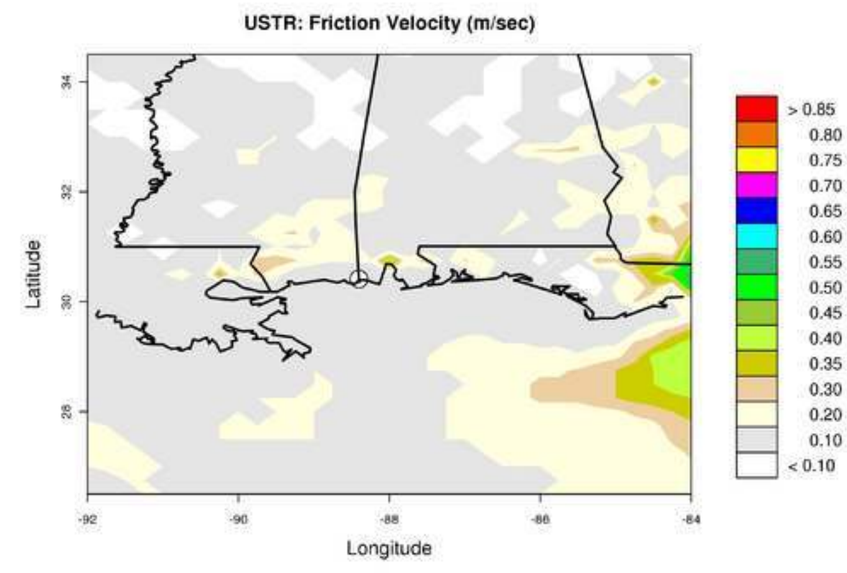

FORECAST for 2010_08_10, local hour = 20
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


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

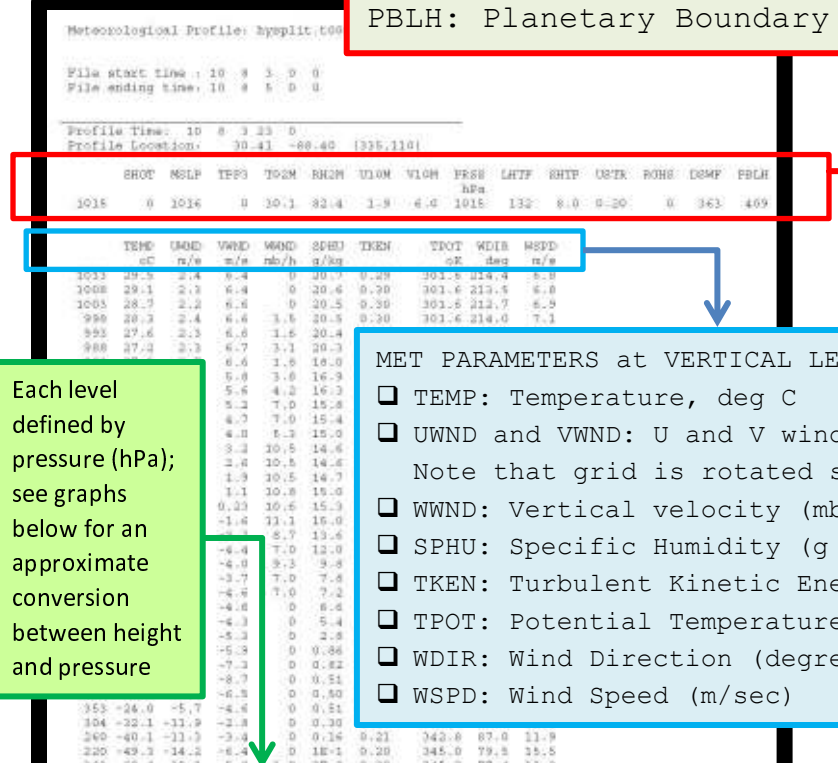

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100


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]

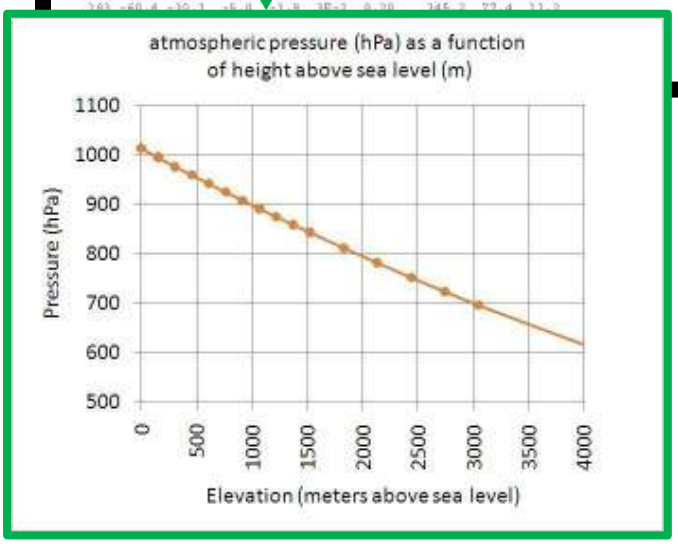
SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1015	0	1016	0	30.1	82.4	1.9	6.0	1015	132	8.0	0.20	0	363	469

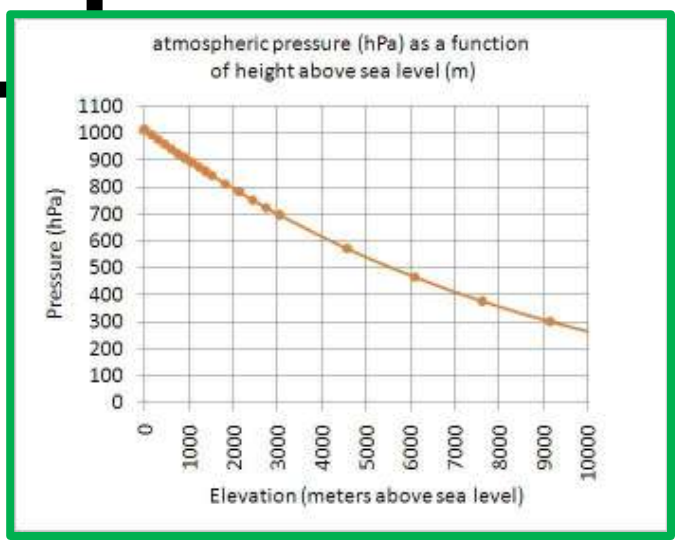
	TEMP cC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT cK	WDIR deg	WSPD m/s
1013	29.5	2.4	6.4	0	20.7	0.29	301.5	214.4	6.8
1008	29.1	2.3	6.4	0	20.6	0.30	301.6	213.5	6.8
1003	28.7	2.2	6.6	0	20.5	0.30	301.6	212.7	6.9
998	28.3	2.4	6.6	1.6	20.5	0.30	301.6	214.0	7.1
993	27.6	2.3	6.6	1.6	20.4				
988	27.3	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)





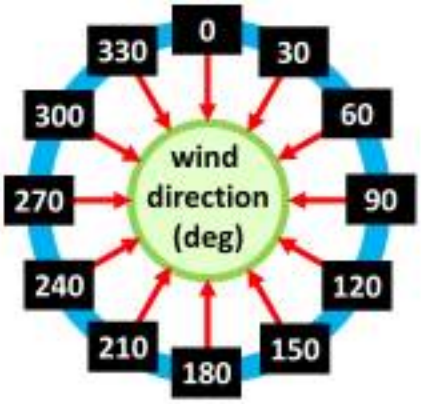
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 10 0 0
File ending time: 10 8 12 0 0

Profile Time: 10 8 10 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
1015	0	1014	0	30.0	76.0	-0.25	-4.0	1015	159	18.6	0.15	0	568	382

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1013	29.1	-0.33	-4.9	2.6	18.8	0.32	301.2	17.8	4.9
1008	28.8	-0.37	-5.0	2.9	18.7	0.36	301.3	18.1	5.0
1003	28.2	-0.92	-5.6	5.0	18.6	0.33	301.1	23.2	5.7
998	28.4	-1.5	-6.3	5.6	17.1	0.36	301.7	27.0	6.5
993	28.3	-2.0	-6.7	6.2	16.4	0.26	302.1	30.3	7.0
988	28.2	-2.2	-6.7	7.3	16.0	0.29	302.5	32.3	7.0
983	27.9	-2.5	-6.9	7.4	16.1	0.20	302.6	33.7	7.3
977	27.6	-2.8	-6.8	7.0	16.2	0.20	302.7	36.0	7.4
972	27.2	-3.0	-7.0	6.4	16.3	0.20	302.8	36.8	7.6
966	26.8	-3.1	-7.1	6.6	16.5	0.30	302.9	37.4	7.7
960	26.3	-3.1	-6.7	7.4	16.8	0.30	303.0	38.5	7.4
954	25.7	-3.2	-6.4	7.4	17.1	0.15	302.9	40.4	7.1
948	25.1	-3.0	-6.0	5.5	17.1	0.30	302.9	40.5	6.7
941	24.6	-3.1	-5.5	4.0	16.8	0.15	303.0	43.5	6.3
934	24.1	-3.3	-4.8	4.7	15.8	0.20	303.2	48.5	5.8
926	23.7	-3.2	-4.4	4.0	14.4	0.18	303.4	50.3	5.5
918	23.0	-3.6	-4.1	4.4	12.9	0.22	303.6	55.2	5.5
896	21.2	-3.9	-4.7	0	11.1	0.20	303.8	54.0	6.1
869	19.1	-5.4	-6.2	0	10.5	0.20	304.3	54.9	8.2
838	17.2	-5.7	-6.8	-4.9	8.7	0.20	305.4	54.0	8.8
804	15.1	-5.1	-6.2	-4.8	6.0	0.20	306.8	53.5	8.0
768	12.5	-5.3	-5.4	-4.6	4.8	0.20	308.0	58.4	7.5
729	10.0	-6.8	-4.6	-5.4	4.0	0.20	309.9	70.0	8.2
688	8.1	-8.1	-5.3	-7.0	3.0	0.20	313.0	70.8	9.7
644	5.9	-7.2	-6.3	0	2.3	0.20	316.4	62.8	9.6
598	2.3	-8.1	-4.1	0	1.6	0.20	319.1	77.1	9.1
550	-1.3	-10.0	-4.0	7.0	1.1	0.20	322.6	82.2	10.7
501	-4.3	-11.6	-4.9	7.0	0.71	0.20	327.6	81.0	12.6
452	-9.3	-20.9	-7.9	0	0.67	0.20	331.1	83.3	22.4
402	-17.1	-14.0	-12.1	7.0	0.43	0.20	332.2	63.0	18.5
353	-25.4	-12.3	-11.6	7.9	0.28	0.21	333.7	60.5	16.9
304	-32.8	-9.8	-7.1	4.7	0.12	0.19	337.8	67.7	12.1
259	-40.7	-14.9	-6.8	5.3	1E-1	0.20	342.0	79.2	16.4
220	-48.8	-16.2	-8.2	7.0	1E-1	0.20	345.8	77.1	18.1
183	-58.6	-14.3	-3.2	5.3	2E-2	0.20	348.9	91.3	14.6
138	-70.5	-7.4	0.80	0	1E-2	0.20	357.0	110.0	7.4
88	-67.6	-12.3	-1.7	-0.72	1E-2	0.20	411.9	96.1	12.4
63	-58.7	-15.3	-8.1	-0.17	1E-2	0.20	473.1	76.1	17.3
38	-48.5	-26.1	-8.0	-1E-1	2E-2	0.20	573.5	86.8	27.3



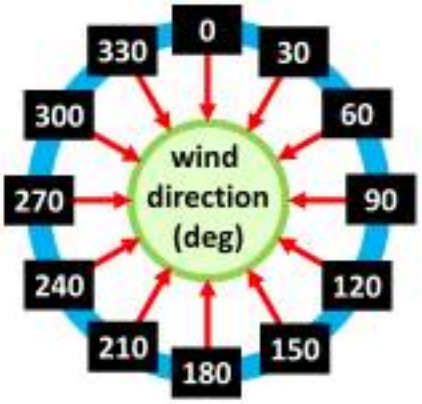
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 10 0 0
File ending time: 10 8 12 0 0

Profile Time: 10 8 10 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
1016	0	1014	0	31.3	69.0	-0.32	-4.4	1016	170	0	0.16	0	736	1073

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1013	30.5	-0.15	-5.2	0	18.3	0.45	302.5	15.6	5.2
1008	30.1	-0.26	-5.4	1.9	18.1	0.49	302.5	16.7	5.4
1004	29.7	-0.29	-5.4	2.5	18.1	0.55	302.5	17.0	5.4
999	29.2	-0.34	-5.5	2.2	18.0	0.60	302.5	17.5	5.5
994	28.8	-0.57	-5.9	2.8	18.0	0.61	302.5	19.4	5.9
989	28.4	-0.84	-6.1	3.3	17.9	0.60	302.5	21.7	6.2
983	27.9	-1.4	-6.6	3.9	17.9	0.61	302.5	25.9	6.8
978	27.5	-1.9	-7.1	6.1	17.3	0.55	302.6	29.0	7.3
972	27.1	-2.4	-7.2	5.5	17.3	0.33	302.7	32.3	7.6
967	26.7	-2.7	-7.3	7.3	17.0	0.35	302.8	34.1	7.8
961	26.3	-2.8	-7.0	5.9	16.9	0.20	302.9	35.9	7.5
955	25.8	-2.8	-6.6	6.4	16.8	0.25	303.0	36.8	7.2
948	25.4	-2.7	-6.3	7.3	16.6	0.25	303.1	36.9	6.9
942	24.8	-2.5	-5.9	6.8	16.3	0.15	303.1	36.8	6.4
934	24.2	-2.4	-5.3	5.3	15.5	0.22	303.2	38.2	5.8
927	23.7	-2.4	-5.4	4.7	14.3	0.22	303.4	37.6	5.9
918	23.1	-2.6	-5.5	5.9	12.9	0.22	303.6	39.7	6.1
897	21.3	-3.8	-6.4	0	11.3	0.20	303.8	44.6	7.4
870	19.2	-5.3	-8.0	0	10.8	0.20	304.3	47.4	9.6
839	17.2	-5.5	-8.6	0	9.3	0.20	305.4	46.5	10.2
805	15.1	-5.3	-8.0	-4.1	6.8	0.20	306.7	47.6	9.6
768	12.3	-5.1	-7.2	-4.8	5.3	0.20	307.8	49.2	8.8
730	9.8	-6.1	-6.4	-6.6	4.2	0.20	309.6	57.5	8.8
688	8.0	-7.7	-6.3	0	3.0	0.20	312.9	64.7	9.9
645	5.9	-7.4	-7.4	0	2.3	0.20	316.4	59.0	10.4
598	2.1	-8.2	-4.9	0	1.6	0.20	318.9	73.2	9.6
550	-1.4	-9.1	-4.4	0	1.1	0.20	322.4	77.8	10.1
501	-4.3	-11.6	-5.1	0	0.93	0.20	327.6	80.1	12.7
452	-9.4	-21.2	-8.3	0	0.73	0.20	330.9	82.6	22.8
403	-17.3	-15.0	-11.7	3.5	0.45	0.20	331.9	66.1	19.0
353	-25.0	-13.2	-11.7	3.5	0.30	0.23	334.2	62.3	17.6
304	-32.1	-11.5	-2.7	-1.8	0.16	0.19	338.8	90.7	11.8
260	-40.6	-17.4	-3.5	0	0.12	0.20	342.0	92.5	17.7
220	-48.7	-19.2	-4.2	3.5	1E-1	0.20	346.0	91.5	19.7
183	-58.1	-16.2	-1.5	-0.88	3E-2	0.20	349.6	98.5	16.3
138	-70.7	-8.0	2.5	-1.6	1E-2	0.20	356.7	121.4	8.4
88	-68.5	-12.2	-2.3	0.54	1E-2	0.20	410.0	93.4	12.4
63	-59.9	-14.3	-10.8	-0.77	1E-2	0.20	470.3	66.8	17.9
38	-47.9	-27.5	-6.5	0.97	2E-2	0.20	574.8	90.6	28.2



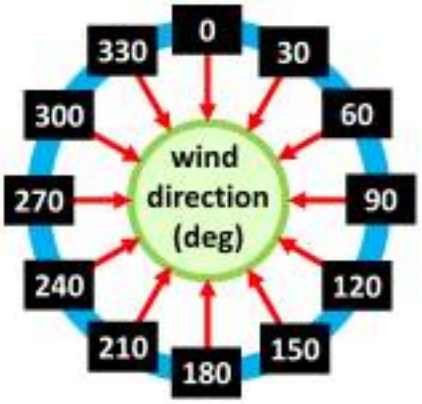
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 10 0 0
File ending time: 10 8 12 0 0

Profile Time: 10 8 10 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
1016	0	1014	0	32.0	65.0	-1.3	-3.8	1016	164	0	0.14	0	869	1266

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1014	31.5	-1.4	-4.5	1.5	17.9	0.53	303.5	31.5	4.7
1009	31.1	-1.2	-4.4	1.8	17.7	0.65	303.5	29.3	4.6
1004	30.7	-1.3	-4.5	1.8	17.7	0.67	303.5	29.8	4.7
999	30.2	-1.3	-4.6	1.4	17.7	0.75	303.4	29.8	4.8
994	29.7	-1.3	-4.6	1.2	17.6	0.76	303.4	29.8	4.7
989	29.3	-1.4	-4.7	2.0	17.5	0.77	303.5	29.9	4.9
984	28.8	-1.3	-4.7	1.2	17.6	0.78	303.4	29.6	4.9
978	28.4	-1.4	-5.0	0	17.6	0.75	303.4	30.0	5.2
973	27.9	-1.5	-5.1	0	17.5	0.85	303.4	30.3	5.4
967	27.3	-2.0	-5.2	2.2	17.5	0.75	303.3	34.5	5.6
961	26.8	-1.8	-5.4	0	17.5	0.75	303.3	32.7	5.7
955	26.2	-2.1	-5.5	0	17.4	0.65	303.3	34.4	5.9
949	25.6	-2.0	-5.5	0	17.2	0.65	303.3	34.1	5.8
942	25.0	-2.0	-5.5	4.0	17.1	0.65	303.3	34.1	5.9
935	24.3	-2.0	-5.3	0	17.0	0.55	303.3	35.0	5.6
927	23.6	-2.4	-5.5	0	16.7	0.55	303.2	37.5	6.0
919	23.2	-2.9	-5.7	0	13.8	0.55	303.7	41.1	6.4
897	21.9	-4.4	-7.0	-1.9	11.7	0.20	304.3	45.8	8.3
870	19.8	-6.2	-8.8	-7.0	10.8	0.20	304.8	48.9	10.7
839	17.5	-6.8	-9.8	-4.6	9.5	0.20	305.6	48.5	11.9
805	14.9	-6.2	-8.7	-7.0	7.8	0.20	306.5	49.2	10.7
769	12.1	-6.1	-8.0	0	6.1	0.20	307.5	51.1	10.1
730	9.3	-6.5	-7.2	0	4.4	0.20	309.0	56.2	9.7
689	8.2	-7.7	-6.1	7.0	2.9	0.20	313.0	65.4	9.8
645	6.0	-8.1	-7.5	7.0	2.3	0.20	316.5	61.1	11.0
598	1.9	-8.3	-5.3	0	1.6	0.20	318.6	71.2	9.9
551	-1.7	-9.1	-4.7	3.6	1.1	0.20	322.0	76.6	10.2
502	-4.6	-12.0	-5.0	4.0	1.1	0.20	327.1	81.2	13.0
453	-9.4	-21.0	-9.1	7.0	0.77	0.20	330.8	80.5	22.9
403	-17.4	-16.0	-10.4	7.0	0.51	0.20	331.6	71.0	19.1
353	-24.4	-13.2	-10.1	7.0	0.34	0.20	335.0	66.6	16.6
305	-32.2	-11.8	-0.56	0	0.24	0.19	338.6	101.2	11.8
260	-40.6	-17.1	-2.2	3.1	0.15	0.20	342.0	96.7	17.3
221	-49.2	-17.9	-4.1	2.8	1E-1	0.20	345.1	91.1	18.3
183	-58.4	-19.1	-0.76	-6.2	4E-2	0.20	349.0	101.6	19.2
138	-70.6	-6.0	1.6	-4.9	1E-2	0.20	356.8	119.3	6.2
88	-67.8	-12.4	-2.5	0.40	1E-2	0.20	411.3	92.3	12.7
63	-59.9	-15.8	-10.2	0.63	1E-2	0.20	470.3	71.1	18.8
38	-48.3	-27.8	-6.4	1E-1	2E-2	0.20	573.8	90.9	28.6



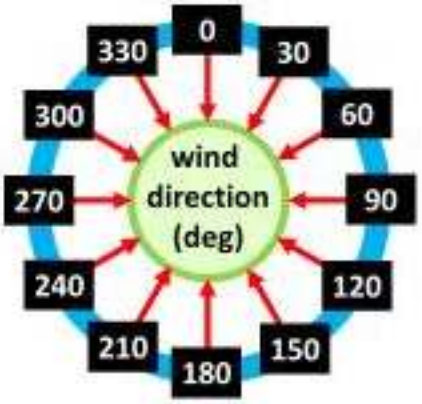
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 10 0 0
File ending time: 10 8 12 0 0

Profile Time: 10 8 10 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
1013	0	1013	0	32.8	62.0	-1.9	-2.7	1013	149	-5.8	0.12	0	876	2112

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1010	32.1	-2.3	-3.1	-1.8	17.6	0.50	304.4	50.0	3.9
1005	31.7	-2.4	-3.2	-2.3	17.6	0.69	304.4	50.4	4.0
1000	31.3	-2.4	-3.3	-2.5	17.4	0.75	304.4	49.5	4.1
996	30.8	-2.2	-3.5	-2.6	17.4	0.83	304.4	45.8	4.1
991	30.4	-2.2	-3.5	-4.3	17.5	0.87	304.4	46.0	4.1
985	30.0	-2.2	-3.7	-3.7	17.4	0.88	304.4	45.1	4.3
980	29.5	-2.3	-3.8	-6.2	17.4	0.92	304.4	45.5	4.4
975	29.0	-2.3	-3.8	-5.1	17.3	0.93	304.4	45.1	4.5
969	28.5	-2.1	-3.9	-7.0	17.4	0.93	304.4	41.6	4.4
964	28.0	-2.2	-4.0	-9.2	17.2	1.0	304.4	42.1	4.6
958	27.4	-2.1	-4.2	-8.8	17.4	1.1	304.2	40.3	4.7
952	26.8	-2.2	-4.4	-9.1	17.3	1.0	304.2	40.4	5.0
945	26.3	-2.2	-4.3	-10.4	17.2	0.95	304.3	41.1	4.9
939	25.6	-2.1	-4.6	-11.3	17.2	1.1	304.2	38.2	5.0
932	24.8	-2.2	-4.6	-11.2	17.3	0.85	304.1	39.8	5.1
924	24.1	-2.1	-4.9	-10.8	17.2	0.95	304.0	37.2	5.3
915	23.2	-2.4	-4.9	-11.6	17.2	0.85	303.9	39.4	5.5
894	21.5	-4.0	-6.3	-11.2	14.2	0.32	304.3	46.0	7.5
867	19.8	-6.2	-8.2	-10.5	11.5	0.33	305.2	50.9	10.3
836	17.5	-7.0	-9.6	-10.2	10.0	0.20	305.9	49.8	11.9
802	14.9	-6.9	-8.6	-7.0	8.1	0.20	306.8	52.5	11.1
766	11.9	-7.0	-8.2	0	6.0	0.20	307.7	54.3	10.8
727	9.0	-7.6	-7.6	0	4.0	0.20	309.1	59.0	10.7
686	8.6	-7.6	-6.2	7.0	2.9	0.20	313.8	64.8	9.8
643	6.2	-8.7	-7.1	7.0	2.2	0.20	317.0	64.6	11.2
596	2.0	-8.5	-5.1	7.0	1.5	0.20	319.0	72.8	9.9
549	-1.6	-8.3	-4.5	0	1.1	0.20	322.5	75.7	9.5
500	-4.6	-12.1	-4.6	4.5	1.3	0.20	327.5	83.0	12.9
451	-9.5	-19.9	-9.4	2.2	0.86	0.20	331.0	78.6	22.0
401	-17.4	-15.5	-8.4	2.0	0.61	0.20	332.0	75.4	17.7
352	-23.6	-12.8	-6.6	3.5	0.44	0.20	336.4	76.5	14.4
304	-32.2	-11.6	-0.53	0	0.35	0.19	338.9	101.2	11.6
259	-40.7	-16.0	-2.0	1.8	0.18	0.20	342.2	96.7	16.1
220	-49.6	-16.5	-3.1	5.3	1E-1	0.20	344.9	93.3	16.8
182	-59.1	-23.1	-1.2	-1.1	4E-2	0.20	348.3	100.8	23.2
138	-70.8	-4.4	-1.5	-3.3	1E-2	0.20	356.8	85.4	4.6
88	-66.4	-12.0	-3.1	1.7	1E-2	0.20	414.4	89.3	12.4
63	-58.5	-17.5	-9.1	-1E-1	1E-2	0.20	473.8	76.2	19.7
38	-48.7	-27.1	-6.1	1E-1	2E-2	0.20	573.5	91.2	27.8



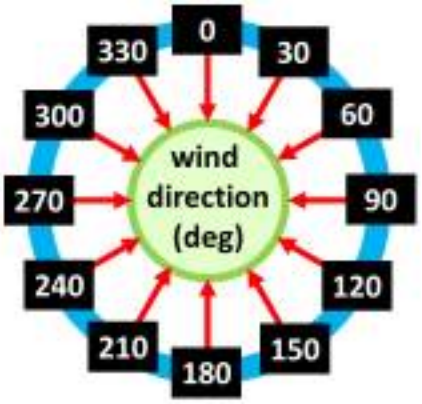
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 10 0 0
File ending time: 10 8 12 0 0

Profile Time: 10 8 10 18 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	0	33.0	60.0	-2.6	-1.2	1013	135	-6.7	0.11	0	902	2295

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1011	32.8	-3.0	-1.2	-1.8	17.2	0.53	305.0	82.4	3.3
1006	32.3	-3.1	-1.5	-4.4	17.2	0.62	304.9	78.7	3.4
1001	31.9	-3.2	-1.6	-5.3	17.1	0.68	305.0	77.4	3.6
996	31.4	-3.3	-1.8	-7.0	17.1	0.68	304.9	75.5	3.7
991	31.0	-3.1	-1.9	-7.9	17.0	0.76	304.9	71.8	3.6
986	30.6	-3.1	-2.2	-9.7	17.0	0.76	304.9	69.1	3.8
981	30.0	-3.0	-2.1	-10.5	17.0	0.81	304.9	68.6	3.7
976	29.5	-3.2	-2.2	-12.3	17.1	0.81	304.8	68.8	3.9
970	29.1	-3.2	-2.6	-16.7	17.0	0.85	304.9	64.2	4.1
964	28.5	-3.0	-2.8	-15.8	17.0	0.87	304.8	61.4	4.1
959	28.1	-3.0	-3.0	-17.6	17.0	0.91	304.9	59.5	4.3
952	27.4	-3.0	-3.2	-21.1	17.0	0.89	304.8	56.4	4.4
946	26.8	-3.1	-3.4	-21.1	17.0	0.95	304.8	56.9	4.6
939	26.2	-3.1	-3.7	-21.1	17.0	0.89	304.8	53.9	4.9
932	25.4	-3.0	-3.9	-21.6	16.9	0.95	304.6	51.4	4.9
924	24.7	-3.0	-4.0	-24.4	16.9	0.95	304.7	50.4	5.0
916	23.7	-3.0	-4.1	-24.7	16.9	0.95	304.5	50.2	5.0
894	21.6	-2.9	-5.2	-22.2	16.5	0.70	304.3	43.3	6.0
867	19.4	-4.4	-6.7	-17.6	14.4	0.32	304.7	47.5	8.0
837	17.3	-6.9	-8.7	-16.2	11.9	0.18	305.6	52.3	11.1
803	14.8	-7.7	-9.2	-10.5	9.3	0.18	306.6	53.8	11.9
766	11.9	-8.2	-9.0	-3.5	6.6	0.20	307.6	56.3	12.1
728	8.8	-9.1	-8.5	7.0	3.7	0.20	308.8	60.7	12.5
687	8.7	-7.9	-5.8	3.5	2.7	0.20	313.8	67.5	9.8
643	6.3	-8.4	-5.9	3.5	2.1	0.20	317.1	68.5	10.3
597	2.1	-7.8	-4.8	4.0	1.5	0.20	319.1	72.6	9.1
549	-1.4	-7.7	-4.2	0	1.2	0.20	322.6	75.0	8.7
500	-4.8	-12.2	-3.5	-3.5	1.6	0.20	327.2	87.7	12.7
451	-9.7	-19.5	-9.1	-5.9	1.0	0.20	330.7	78.8	21.5
402	-17.2	-14.0	-7.1	-3.5	0.82	0.20	332.2	77.2	15.7
352	-23.2	-12.0	-4.0	0	0.57	0.20	336.9	85.5	12.6
304	-32.0	-10.8	-1.5	2.6	0.39	0.19	339.0	95.8	11.0
259	-40.8	-14.7	-1.8	7.2	0.17	0.20	342.0	96.8	14.8
220	-49.6	-17.1	-4.1	8.8	1E-1	0.20	344.8	90.4	17.6
183	-59.3	-26.1	-0.71	0.88	4E-2	0.20	347.9	102.3	26.1
138	-71.4	-4.6	-3.8	-0.73	1E-2	0.20	355.7	64.3	5.9
88	-65.9	-12.0	-2.8	-0.33	1E-2	0.20	415.5	90.9	12.3
63	-58.5	-18.9	-7.5	0.21	1E-2	0.20	473.8	82.1	20.3
38	-49.2	-26.6	-4.4	0.29	2E-2	0.20	572.0	94.5	27.0



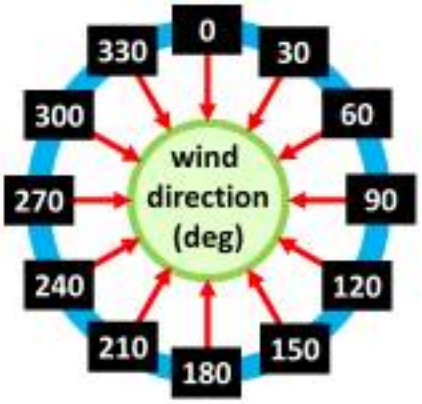
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 10 0 0
File ending time: 10 8 12 0 0

Profile Time: 10 8 10 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
1014	0	1013	0	33.5	60.0	-3.4	0.95	1014	140	-8.5	0.14	0	690	2744

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1012	33.0	-4.0	1.4	-4.4	17.2	0.30	305.1	123.5	4.3
1007	32.7	-4.1	1.3	-6.2	17.1	0.36	305.3	121.5	4.3
1002	32.3	-4.2	1.1	-9.2	17.1	0.34	305.2	119.1	4.3
997	31.8	-4.2	0.85	-12.3	17.0	0.40	305.3	115.3	4.3
992	31.3	-4.2	0.78	-14.1	16.9	0.39	305.2	114.3	4.3
987	30.9	-4.3	0.56	-17.6	16.9	0.46	305.2	111.3	4.3
982	30.5	-4.3	0.19	-19.3	16.6	0.39	305.3	106.3	4.3
976	30.0	-4.2	-0.23	-20.2	16.6	0.51	305.3	100.8	4.2
971	29.5	-4.2	-0.40	-22.9	16.5	0.50	305.2	98.4	4.2
965	29.1	-4.2	-0.82	-25.5	16.5	0.45	305.3	92.7	4.3
959	28.5	-4.3	-1.2	-25.5	16.6	0.45	305.3	88.0	4.4
953	27.9	-4.1	-1.7	-28.1	16.4	0.57	305.3	80.9	4.4
947	27.4	-4.1	-2.0	-28.7	16.5	0.57	305.3	77.5	4.6
940	26.7	-4.0	-2.7	-29.7	16.3	0.64	305.2	70.5	4.8
933	26.1	-4.1	-2.8	-29.7	16.4	0.70	305.2	69.6	4.9
925	25.3	-4.0	-3.3	-30.4	16.4	0.82	305.2	64.4	5.2
917	24.4	-4.0	-3.4	-30.9	16.4	0.82	305.1	63.7	5.2
895	22.1	-3.7	-4.2	-29.0	16.4	0.82	304.8	55.0	5.6
868	19.4	-3.6	-5.5	-24.6	16.1	0.68	304.6	46.9	6.6
837	17.0	-5.2	-7.6	-17.6	14.1	0.20	305.2	48.2	9.2
803	14.6	-8.1	-9.4	-10.5	10.6	0.20	306.4	54.7	12.4
767	11.9	-9.3	-10.0	-6.9	7.6	0.20	307.5	57.0	13.7
728	9.0	-10.5	-10.0	0	4.7	0.20	308.9	60.1	14.5
687	7.3	-8.7	-6.1	7.0	2.3	0.20	312.2	68.9	10.6
643	6.5	-8.1	-5.3	7.0	2.0	0.20	317.2	70.5	9.7
597	2.1	-7.4	-4.8	0	1.5	0.20	319.0	70.7	8.8
549	-1.7	-7.2	-4.0	-7.0	1.2	0.20	322.1	74.6	8.2
501	-5.6	-10.0	-2.5	-7.9	1.7	0.20	326.2	89.7	10.4
452	-10.0	-16.3	-6.4	-7.0	1.5	0.20	330.3	82.5	17.5
402	-17.0	-12.8	-5.4	-5.3	1.1	0.20	332.4	81.1	13.9
352	-23.3	-11.5	-3.5	0	0.70	0.20	336.7	86.9	12.1
304	-31.9	-10.6	-2.5	0	0.39	0.20	339.2	90.6	10.9
259	-41.0	-13.5	-1.7	5.3	0.18	0.20	341.6	96.8	13.6
220	-49.4	-16.0	-5.3	4.9	1E-1	0.20	345.0	85.7	16.9
183	-58.9	-28.8	-3.0	0	4E-2	0.20	348.4	97.9	29.0
138	-71.1	-5.7	-5.5	0.59	1E-2	0.20	356.1	60.0	8.0
88	-66.4	-12.5	-2.8	-2.0	1E-2	0.20	414.4	91.2	12.8
63	-59.4	-19.9	-6.8	-0.73	1E-2	0.20	471.6	85.0	21.0
38	-48.4	-25.9	-4.5	0.20	2E-2	0.20	573.9	93.9	26.3



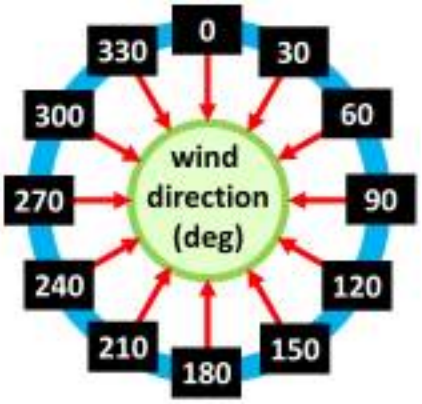
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 10 0 0
File ending time: 10 8 12 0 0

Profile Time: 10 8 10 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
1014	0	1012	0	33.1	62.2	-4.0	3.8	1014	174	-10.4	0.17	0	798	1945

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1012	32.4	-4.4	4.0	-3.5	17.7	0.27	304.5	146.2	5.9
1007	32.1	-4.5	3.8	-3.5	17.5	0.25	304.7	144.6	5.9
1002	31.7	-4.5	3.7	-4.4	17.3	0.25	304.7	143.7	5.8
997	31.2	-4.5	3.6	-6.2	17.2	0.30	304.6	142.6	5.8
992	30.9	-4.5	3.5	-6.2	17.0	0.24	304.7	141.7	5.7
987	30.4	-4.8	3.4	-9.0	16.9	0.29	304.7	139.4	5.8
982	30.1	-4.9	2.7	-8.8	16.3	0.23	304.8	133.1	5.6
976	29.8	-4.9	2.1	-9.3	15.7	0.23	305.0	127.4	5.3
971	29.4	-5.1	1.9	-12.3	15.7	0.20	305.1	124.1	5.4
965	29.0	-5.2	1.2	-12.3	15.4	0.20	305.2	117.3	5.3
959	28.5	-5.0	0.79	-12.3	15.5	0.20	305.3	112.8	5.1
953	28.0	-4.9	0.21	-12.3	15.4	0.20	305.3	106.3	4.9
947	27.5	-4.9	-0.31	-10.6	15.4	0.20	305.4	100.3	4.9
940	26.9	-4.9	-0.99	-11.1	15.3	0.20	305.4	92.5	5.0
933	26.2	-4.9	-1.6	-9.3	15.3	0.20	305.4	85.4	5.1
925	25.6	-4.6	-2.3	-8.4	15.2	0.20	305.5	77.1	5.1
917	24.7	-4.6	-2.9	-6.5	15.3	0.45	305.4	71.7	5.4
895	22.5	-4.5	-3.8	-2.8	15.4	0.45	305.2	63.8	5.9
868	19.7	-4.2	-4.9	3.5	15.3	0.45	305.0	54.1	6.4
837	17.3	-4.4	-7.5	14.1	14.0	0.20	305.6	44.2	8.7
804	14.9	-7.5	-9.5	18.6	10.5	0.20	306.6	52.0	12.1
767	12.2	-9.4	-10.0	10.5	7.3	0.20	307.8	57.3	13.7
728	9.3	-10.1	-10.5	14.1	4.5	0.20	309.3	57.7	14.5
687	6.8	-9.0	-6.0	14.1	2.3	0.20	311.6	70.0	10.8
644	6.5	-8.2	-4.4	6.2	1.9	0.20	317.2	75.7	9.3
597	2.1	-7.1	-4.7	6.3	1.5	0.20	319.0	70.5	8.5
549	-2.0	-6.3	-4.1	0	1.2	0.20	321.9	70.5	7.5
501	-6.0	-8.0	-2.4	-5.0	1.9	0.20	325.6	87.4	8.3
452	-10.3	-13.0	-4.9	-7.1	1.8	0.20	329.9	83.4	13.9
402	-17.1	-11.2	-3.9	-5.3	1.3	0.20	332.3	84.5	11.8
352	-23.5	-10.9	-3.4	0	0.79	0.21	336.4	86.4	11.4
304	-31.9	-10.3	-3.8	3.5	0.40	0.19	339.1	83.6	11.0
259	-41.0	-12.2	-2.9	3.5	0.17	0.20	341.5	90.5	12.6
220	-49.3	-16.5	-4.6	2.3	1E-1	0.20	345.2	88.3	17.1
183	-58.8	-28.4	-4.1	-4.3	4E-2	0.20	348.6	95.6	28.7
138	-70.6	-7.0	-5.9	-0.24	1E-2	0.20	357.0	63.7	9.2
88	-66.8	-11.2	-3.9	-0.29	1E-2	0.20	413.5	84.9	11.9
63	-60.1	-19.9	-5.8	-0.67	1E-2	0.20	470.0	87.6	20.8
38	-48.1	-24.7	-4.8	-2E-2	2E-2	0.20	574.6	92.9	25.1



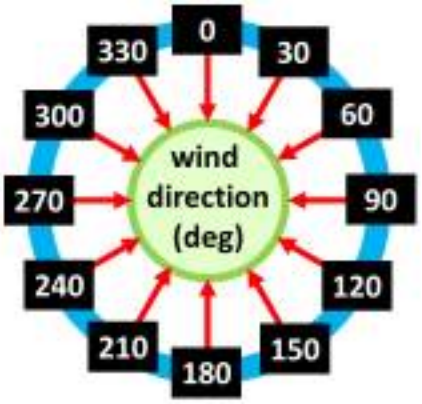
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 10 0 0
File ending time: 10 8 12 0 0

Profile Time: 10 8 10 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
1013	0	1011	0	32.2	67.0	-2.7	4.0	1013	169	0	0.18	0	676	1945

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1010	31.5	-3.3	4.1	-1.7	18.4	0.17	303.7	154.6	5.3
1006	31.1	-3.5	4.0	-1.6	18.3	0.24	303.7	152.8	5.3
1001	30.6	-3.6	4.1	-2.1	18.3	0.23	303.7	153.2	5.4
996	30.2	-3.6	4.0	-3.5	18.2	0.23	303.8	152.2	5.4
991	29.7	-3.7	4.1	-3.5	18.2	0.23	303.7	151.9	5.5
986	29.4	-3.9	3.8	-3.5	17.9	0.23	303.8	148.3	5.4
981	29.3	-4.1	3.2	-1.8	16.4	0.23	304.1	142.1	5.2
975	29.1	-4.1	2.9	-1.8	15.6	0.23	304.4	138.5	5.0
970	28.9	-4.4	1.9	0	15.3	0.22	304.7	127.8	4.8
964	28.5	-4.2	1.7	0	15.2	0.20	304.8	125.6	4.6
958	28.2	-4.1	0.94	-1.8	15.0	0.20	305.1	116.7	4.2
952	27.8	-4.3	0.28	0	14.9	0.20	305.2	107.7	4.3
946	27.5	-4.5	-0.64	0	14.7	0.20	305.5	95.8	4.6
939	26.9	-4.2	-1.4	2.0	14.8	0.20	305.5	85.2	4.4
932	26.5	-4.3	-2.2	3.8	14.6	0.20	305.8	76.5	4.8
924	25.8	-4.4	-2.8	5.3	14.4	0.20	305.8	71.6	5.2
916	25.1	-4.3	-3.5	7.9	14.4	0.20	305.8	64.9	5.6
894	22.8	-4.0	-4.9	11.4	14.5	0.20	305.6	52.5	6.3
867	20.2	-4.2	-6.2	17.7	13.9	0.20	305.6	47.9	7.5
836	17.8	-4.3	-8.3	25.8	12.3	0.20	306.2	41.3	9.4
802	15.4	-7.9	-9.0	23.4	8.6	0.20	307.3	55.2	12.0
766	12.7	-9.6	-8.8	13.6	6.5	0.20	308.5	61.3	13.0
727	9.8	-9.4	-10.5	12.8	4.2	0.20	310.0	55.8	14.1
686	7.9	-8.1	-5.5	12.6	2.3	0.20	313.0	69.7	9.8
643	6.3	-8.0	-3.5	3.6	1.7	0.20	317.1	80.2	8.7
597	2.2	-6.9	-4.2	3.0	1.4	0.20	319.2	72.4	8.1
549	-1.9	-6.3	-3.9	0	1.2	0.20	322.1	72.4	7.4
500	-6.1	-7.5	-1.7	-1.8	2.1	0.20	325.6	90.7	7.7
451	-10.5	-11.2	-3.4	-3.5	1.9	0.20	329.7	87.0	11.7
402	-17.1	-10.5	-2.8	-1.8	1.5	0.20	332.4	89.2	10.9
352	-23.5	-11.4	-3.8	3.5	0.82	0.23	336.5	85.4	12.0
304	-31.9	-10.9	-5.0	0	0.41	0.22	339.2	79.3	12.0
259	-40.9	-12.7	-2.9	0	0.18	0.20	341.8	90.8	13.0
220	-49.3	-15.4	-5.7	0	1E-1	0.20	345.3	83.5	16.4
182	-59.0	-27.9	-1.7	-6.2	4E-2	0.20	348.4	100.4	28.0
138	-71.3	-7.9	-6.6	-3.4	1E-2	0.20	355.9	63.9	10.3
88	-66.1	-10.0	-5.1	-1E-1	1E-2	0.20	415.1	77.0	11.2
63	-59.9	-20.0	-3.9	0.50	1E-2	0.20	470.6	92.8	20.4
38	-47.6	-24.6	-5.2	-0.11	2E-2	0.20	576.0	91.9	25.1



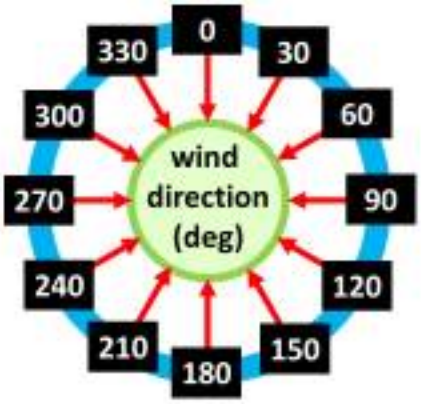
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 10 0 0
File ending time: 10 8 12 0 0

Profile Time: 10 8 10 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
1012	0	1011	0	31.4	72.0	-1.2	3.6	1012	145	0	0.15	0	553	377

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1010	30.8	-1.8	3.9	0	19.3	0.26	303.1	168.7	4.3
1005	30.4	-1.9	3.9	0	18.9	0.25	303.1	167.2	4.3
1000	30.0	-2.0	4.0	-1.4	18.9	0.20	303.1	167.1	4.4
996	29.5	-1.8	4.1	-1.8	18.8	0.20	303.1	169.8	4.4
991	29.1	-1.9	4.0	-1.2	18.5	0.20	303.1	168.3	4.4
985	28.8	-2.5	3.7	-1.8	17.4	0.20	303.2	160.2	4.5
980	28.8	-2.7	3.3	-1.0	16.4	0.20	303.7	154.6	4.3
975	28.6	-3.0	2.9	-1.8	15.8	0.20	303.9	147.5	4.1
969	28.4	-3.1	2.4	-1.5	15.3	0.20	304.2	141.3	4.0
964	28.2	-2.7	1.8	-1.8	15.4	0.20	304.6	137.6	3.3
958	28.0	-3.2	1.2	-1.8	15.2	0.20	304.9	124.5	3.4
952	27.7	-3.2	0.45	0	15.1	0.20	305.1	112.0	3.2
945	27.3	-3.1	-0.53	0	15.0	0.20	305.3	94.2	3.2
939	26.9	-3.3	-1.1	2.2	14.9	0.20	305.6	85.7	3.5
931	26.5	-3.5	-1.9	2.3	14.7	0.20	305.8	75.1	4.0
924	25.9	-3.8	-2.9	5.6	14.4	0.20	305.9	66.5	4.7
915	25.2	-3.5	-3.5	6.4	14.3	0.20	306.0	59.4	5.0
894	23.1	-3.8	-5.1	10.7	13.9	0.20	305.9	50.5	6.4
867	20.6	-4.0	-6.6	13.3	13.6	0.20	306.0	45.0	7.7
836	18.0	-4.2	-7.6	20.7	11.8	0.20	306.4	42.7	8.7
802	15.7	-8.0	-8.0	14.1	9.2	0.20	307.7	59.0	11.3
766	12.9	-10.2	-7.7	7.0	7.6	0.20	308.7	66.6	12.8
727	10.3	-8.9	-9.3	8.2	4.3	0.20	310.5	57.6	12.9
686	8.3	-7.0	-4.7	2.7	2.4	0.20	313.4	70.3	8.4
643	6.1	-7.5	-2.5	0	1.8	0.20	316.9	85.0	7.9
596	2.3	-6.6	-4.0	0	1.4	0.20	319.4	72.7	7.8
549	-1.8	-6.7	-3.4	2.8	1.4	0.20	322.2	76.9	7.5
500	-6.0	-7.0	-2.0	0	2.3	0.20	325.7	87.9	7.3
451	-10.6	-10.2	-3.4	-1.9	1.9	0.20	329.7	85.7	10.8
401	-17.1	-9.5	-3.1	0	1.4	0.20	332.4	85.6	10.0
352	-23.6	-11.9	-3.1	2.0	0.82	0.19	336.4	89.3	12.3
303	-31.9	-11.3	-4.3	3.5	0.41	0.19	339.4	82.9	12.1
259	-40.9	-13.8	-3.8	0	0.18	0.20	341.8	88.3	14.3
220	-49.6	-16.7	-5.1	2.5	1E-1	0.20	344.9	87.1	17.5
182	-58.8	-28.3	2.6	-2.7	4E-2	0.20	348.7	109.1	28.5
138	-71.7	-9.1	-6.7	-1.3	1E-2	0.20	355.3	67.7	11.3
88	-66.3	-9.0	-6.4	-1.3	1E-2	0.20	414.7	68.2	11.0
63	-60.0	-20.9	-2.0	-1.1	1E-2	0.20	470.4	98.3	21.0
38	-47.3	-23.6	-5.7	-1E-1	3E-2	0.20	577.0	90.3	24.3



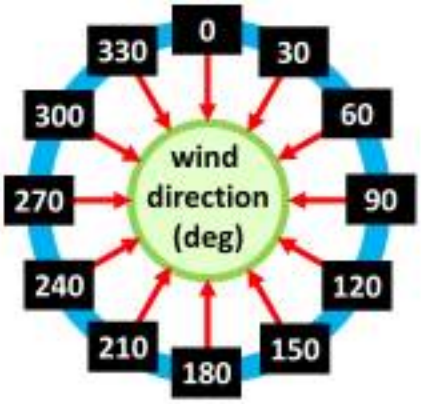
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 10 0 0
File ending time: 10 8 12 0 0

Profile Time: 10 8 10 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
1012	0	1011	0	31.3	72.7	-1E-1	3.5	1012	146	0	0.14	0	340	440

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1010	30.6	-0.46	3.8	1.0	19.1	0.21	303.0	186.9	3.8
1005	30.2	-0.56	3.9	-1.1	19.0	0.25	303.0	185.8	4.0
1000	29.8	-0.44	3.8	0	19.0	0.24	302.9	187.3	3.9
995	29.4	-0.74	3.7	0	18.9	0.23	302.9	182.7	3.8
990	28.8	-0.63	3.9	1.2	18.9	0.23	302.8	184.8	4.0
985	28.4	-0.96	3.9	0	18.9	0.23	302.9	179.8	4.0
980	28.5	-1.3	3.7	-1.8	16.5	0.23	303.4	174.5	3.9
975	28.4	-1.9	3.4	-3.5	16.2	0.22	303.8	164.8	3.9
969	28.1	-2.1	3.1	-3.5	15.7	0.22	304.0	160.0	3.8
963	27.8	-2.0	2.5	-3.5	15.3	0.21	304.2	155.2	3.2
958	27.8	-2.2	2.1	-1.8	15.1	0.20	304.7	147.5	3.0
951	27.4	-2.1	1.4	-1.6	15.2	0.20	304.9	137.0	2.5
945	27.1	-2.4	0.63	-1.8	15.2	0.20	305.1	118.9	2.4
938	26.8	-2.5	-0.15	-1.8	15.2	0.20	305.5	100.5	2.5
931	26.4	-2.6	-0.90	0	15.1	0.20	305.7	85.0	2.8
924	25.9	-3.1	-1.9	0	14.8	0.20	305.9	72.1	3.7
915	25.2	-3.3	-2.7	0	14.5	0.20	306.1	65.0	4.3
894	23.4	-3.9	-4.5	5.3	13.8	0.20	306.2	54.5	5.9
867	20.7	-4.1	-6.1	7.8	13.5	0.20	306.1	47.9	7.4
836	17.9	-4.5	-6.9	11.5	12.5	0.20	306.4	47.1	8.2
802	15.7	-7.6	-7.0	10.4	10.4	0.25	307.6	61.4	10.4
766	12.9	-11.0	-7.1	7.0	8.5	0.20	308.7	70.8	13.1
727	10.5	-8.6	-7.8	7.0	4.5	0.20	310.8	61.7	11.6
686	8.5	-6.8	-3.8	3.5	2.4	0.20	313.7	74.8	7.7
642	6.3	-6.9	-2.4	0	2.1	0.20	317.2	84.7	7.3
596	2.5	-6.5	-4.3	0	1.5	0.20	319.6	70.4	7.8
548	-1.6	-6.5	-3.3	0	1.7	0.20	322.5	76.6	7.3
500	-5.9	-6.4	-2.6	0	2.3	0.20	325.9	81.8	6.9
451	-10.7	-9.3	-4.5	0	1.8	0.20	329.6	77.9	10.3
401	-17.0	-8.3	-4.8	0	1.4	0.20	332.6	73.7	9.6
352	-23.6	-11.1	-3.5	5.3	0.82	0.20	336.4	86.7	11.7
303	-31.9	-11.8	-4.9	3.5	0.39	0.19	339.4	81.4	12.8
259	-41.0	-14.1	-3.8	3.5	0.16	0.20	341.8	88.6	14.6
220	-49.3	-16.9	-4.3	2.6	1E-1	0.20	345.3	89.5	17.5
182	-58.9	-31.4	2.4	-2.8	5E-2	0.20	348.6	108.2	31.5
138	-71.4	-10.6	-6.9	-1.5	1E-2	0.20	355.7	70.6	12.7
88	-66.9	-9.6	-7.5	1E-1	1E-2	0.20	413.6	65.9	12.2
63	-60.5	-20.3	-1.5	-0.27	1E-2	0.20	469.4	99.7	20.3
38	-47.0	-23.6	-6.1	-0.14	3E-2	0.20	577.8	89.4	24.4



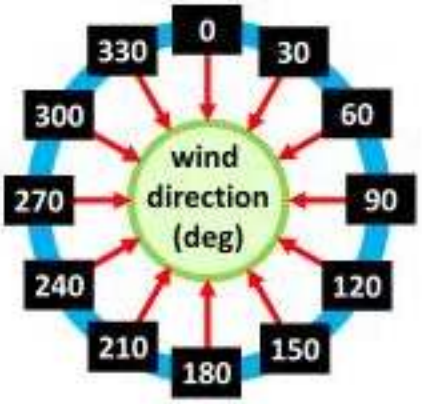
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 10 0 0
File ending time: 10 8 12 0 0

Profile Time: 10 8 11 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
1010	0	1011	0	31.3	73.8	0.26	3.1	1010	132	0	0.14	0	126	309

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1008	30.6	0	3.6	0	19.6	0.28	303.1	193.9	3.6
1003	30.2	0.17	3.6	0	19.5	0.26	303.1	196.6	3.6
998	29.7	0	3.7	0	19.3	0.25	303.0	193.9	3.7
993	29.3	0	3.8	0	19.2	0.24	303.0	193.9	3.8
988	28.9	-0.13	3.7	1.5	18.9	0.24	303.0	191.9	3.7
983	28.4	0	3.7	0	18.7	0.24	303.0	193.9	3.7
978	28.4	-0.56	3.7	1.8	16.8	0.23	303.4	185.2	3.7
973	28.2	-1.5	3.5	0	16.0	0.23	303.7	170.9	3.8
967	28.0	-1.8	3.4	0	15.8	0.23	304.0	166.2	3.9
962	27.7	-1.9	2.8	0	15.6	0.22	304.3	159.5	3.4
956	27.4	-1.9	2.5	-3.5	15.3	0.22	304.5	156.9	3.1
950	27.3	-1.7	1.9	0	15.3	0.20	304.9	151.1	2.6
943	26.9	-1.9	1.6	-3.5	15.4	0.20	305.1	143.7	2.5
937	26.6	-1.9	0.71	0	15.5	0.20	305.4	124.1	2.1
929	26.1	-2.2	0	0	15.4	0.20	305.6	103.9	2.2
922	25.8	-2.8	-0.77	-2.3	15.3	0.20	306.0	88.4	2.9
913	25.1	-3.0	-1.7	0	15.0	0.20	306.1	73.5	3.4
892	23.4	-3.8	-4.0	0	14.0	0.20	306.4	56.8	5.5
865	21.0	-4.4	-5.7	0	13.3	0.20	306.6	51.9	7.2
834	17.8	-4.9	-6.2	4.1	13.0	0.20	306.4	52.1	7.9
800	15.4	-7.4	-6.1	4.7	11.5	0.25	307.5	64.0	9.6
764	12.9	-11.6	-5.7	6.0	9.4	0.20	308.9	77.6	12.9
726	10.7	-8.9	-6.4	5.3	5.1	0.20	311.2	68.2	10.9
685	8.5	-6.8	-3.3	3.8	2.9	0.20	313.9	78.0	7.6
641	6.3	-6.2	-2.3	0	2.4	0.20	317.3	83.8	6.6
595	2.5	-6.2	-4.5	0	1.7	0.20	319.8	67.9	7.7
547	-1.6	-6.2	-3.9	0	2.1	0.20	322.6	72.0	7.3
499	-6.0	-5.7	-3.6	0	2.3	0.20	326.0	71.5	6.8
450	-10.8	-8.8	-6.3	-7.0	1.7	0.20	329.6	68.4	10.8
401	-17.0	-7.9	-6.6	0	1.2	0.20	332.8	64.0	10.2
351	-23.6	-11.2	-4.9	0	0.76	0.20	336.7	80.2	12.3
303	-31.8	-12.1	-4.3	0	0.32	0.20	339.7	84.2	12.8
258	-41.0	-13.3	-4.9	0	0.15	0.20	341.9	83.7	14.2
219	-49.0	-17.0	-4.9	0	1E-1	0.20	346.0	87.8	17.7
182	-59.0	-30.5	1.5	-3.6	5E-2	0.20	348.6	106.8	30.6
137	-71.7	-12.7	-5.3	-1.6	1E-2	0.20	355.5	81.2	13.7
88	-66.6	-9.8	-8.0	0.12	1E-2	0.20	414.4	64.7	12.7
63	-60.2	-18.5	-1.2	0	1E-2	0.20	470.4	100.1	18.5
38	-47.3	-23.5	-7.2	-2E-2	2E-2	0.20	577.2	86.9	24.6



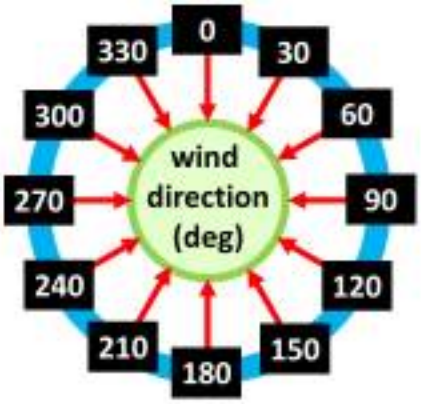
Meteorological Profile: hysplit.t00z.namsf

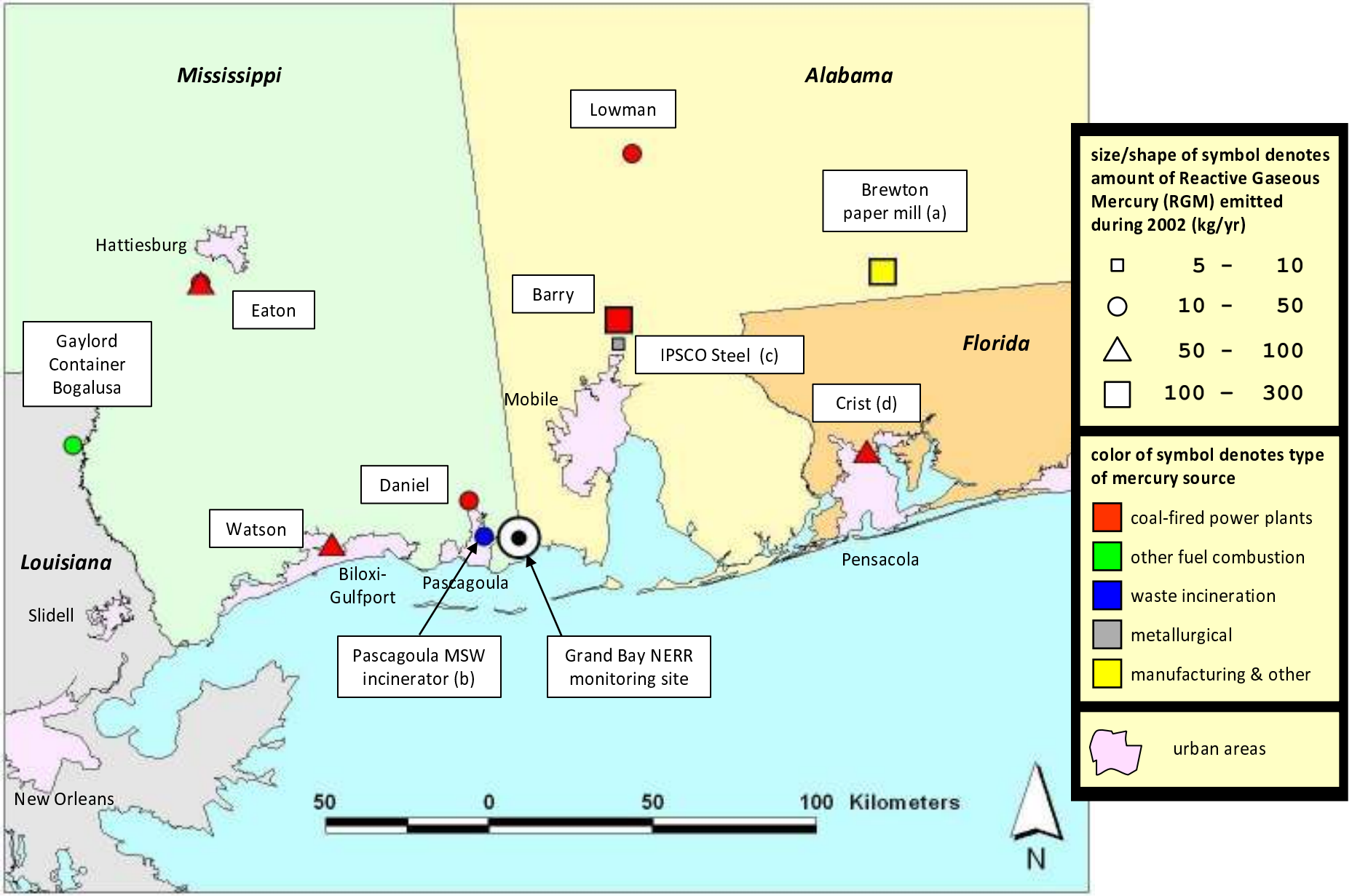
File start time : 10 8 10 0 0
File ending time: 10 8 12 0 0

Profile Time: 10 8 11 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
1010	0	1011	0	31.3	72.3	0.49	2.8	1010	128	0	0.12	0	0	501

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1007	30.7	0.23	3.0	-1.8	19.4	0.29	303.2	198.2	3.0
1003	30.2	0.33	2.9	0	19.3	0.27	303.2	200.3	3.0
998	29.8	0.28	3.1	0	19.2	0.26	303.2	199.0	3.1
993	29.4	0.19	3.2	1.8	19.2	0.25	303.2	197.2	3.2
988	29.0	0.34	3.1	2.3	18.9	0.30	303.2	200.1	3.1
983	28.5	0.21	3.1	2.5	19.0	0.30	303.2	197.8	3.1
978	28.1	0	3.3	2.7	18.8	0.30	303.2	193.9	3.3
972	28.3	-0.74	3.3	2.8	16.4	0.24	303.9	181.4	3.4
967	28.1	-1.5	2.9	3.5	15.8	0.23	304.1	165.9	3.3
961	27.7	-1.9	2.6	5.3	15.6	0.23	304.3	158.0	3.2
955	27.4	-1.7	2.1	3.5	15.6	0.22	304.5	155.4	2.7
949	27.1	-1.6	1.8	3.5	15.7	0.20	304.8	153.1	2.4
943	26.7	-1.7	1.4	3.5	15.6	0.20	305.0	144.4	2.2
936	26.4	-1.7	0.67	3.5	15.6	0.20	305.2	125.2	1.8
929	25.9	-1.7	0.22	2.2	15.7	0.20	305.4	111.2	1.7
921	25.6	-2.3	-0.86	3.5	15.7	0.20	305.8	83.0	2.4
913	24.9	-2.6	-1.8	0	15.4	0.20	306.0	69.9	3.1
891	23.3	-3.6	-3.9	3.8	14.2	0.20	306.4	56.2	5.3
865	21.0	-4.8	-5.5	6.1	13.4	0.20	306.6	55.1	7.3
834	17.9	-5.2	-6.1	5.9	13.0	0.20	306.6	54.6	8.0
800	15.3	-7.8	-5.8	6.0	12.3	0.15	307.4	67.1	9.7
764	13.0	-11.4	-4.8	10.5	9.5	0.20	309.0	81.2	12.3
725	10.8	-9.1	-5.3	10.5	5.8	0.20	311.3	73.6	10.5
684	8.5	-6.4	-2.5	0	3.3	0.20	313.9	82.4	6.8
641	6.2	-5.7	-1.6	0	2.6	0.20	317.3	88.3	5.9
595	2.6	-6.2	-4.6	7.0	2.0	0.20	320.0	67.4	7.7
547	-1.6	-6.3	-4.2	7.0	2.4	0.20	322.7	70.0	7.6
499	-6.0	-6.0	-5.0	0	2.2	0.20	325.9	63.9	7.8
450	-10.9	-9.1	-7.3	0	1.7	0.20	329.5	65.2	11.7
400	-17.0	-9.1	-8.2	0	1.1	0.20	332.8	62.0	12.2
351	-23.6	-11.7	-6.3	3.0	0.73	0.20	336.6	75.7	13.3
303	-31.9	-11.3	-4.6	4.7	0.31	0.20	339.6	81.9	12.2
258	-41.1	-13.4	-5.2	2.2	0.15	0.20	341.9	82.8	14.3
219	-49.3	-15.9	-5.0	2.5	1E-1	0.20	345.6	86.4	16.7
182	-58.9	-27.9	-0.81	-2.4	5E-2	0.20	348.8	102.2	27.9
137	-71.5	-13.3	-3.9	0	1E-2	0.20	355.8	87.7	13.9
88	-66.9	-10.8	-6.7	-0.46	1E-2	0.20	413.8	71.9	12.7
63	-59.6	-17.0	-1.6	0.72	1E-2	0.20	471.8	98.6	17.1
38	-47.2	-23.5	-7.9	0.18	2E-2	0.20	577.5	85.2	24.8

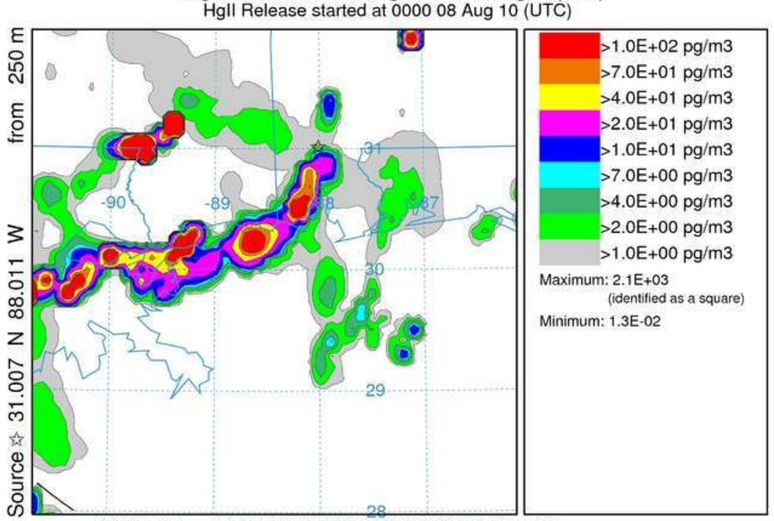




(a) Mercury emissions included in 2002 NEI , but do not appear to be in 2000-2008 TRI
(b) Mercury emissions included in 2002 NEI but incineration ceased in January 2001
(c) Significant mercury emissions in 2002 NEI, but negligible emissions reported in 2008 TRI
(d) Scrubber installed Dec 2009 that reduced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

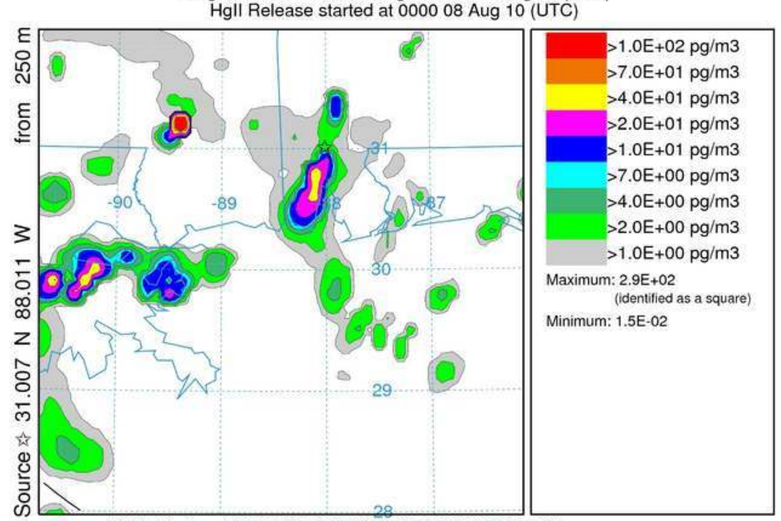
Location of the Grand Bay NERR sampling site, along with large point sources of Reactive Gaseous Mercury in the region, based on the EPA's 2002 National Emissions Inventory

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1300 10 Aug to 1400 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



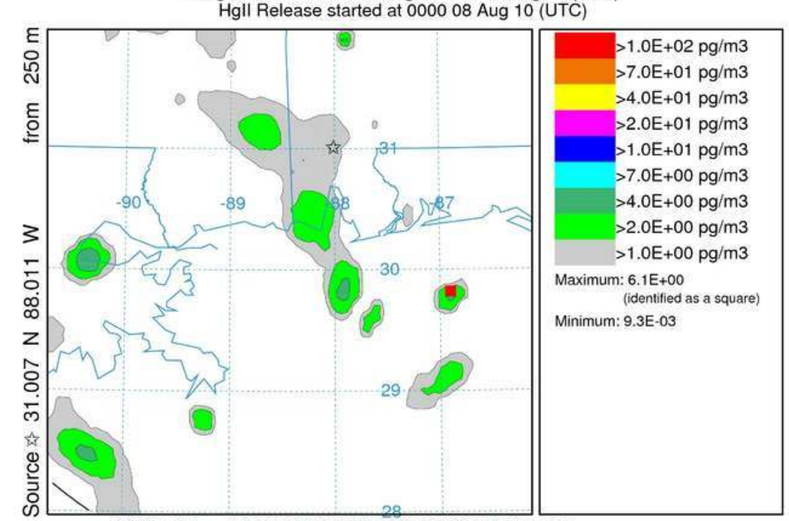
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1300 10 Aug to 1400 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



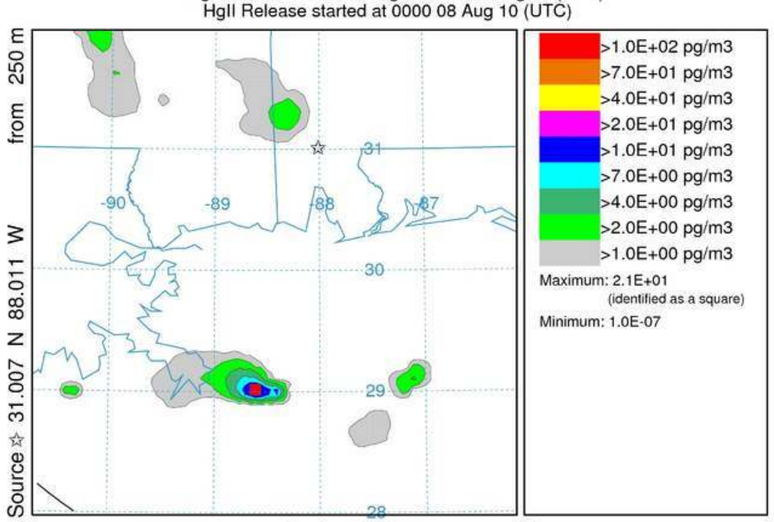
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1300 10 Aug to 1400 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



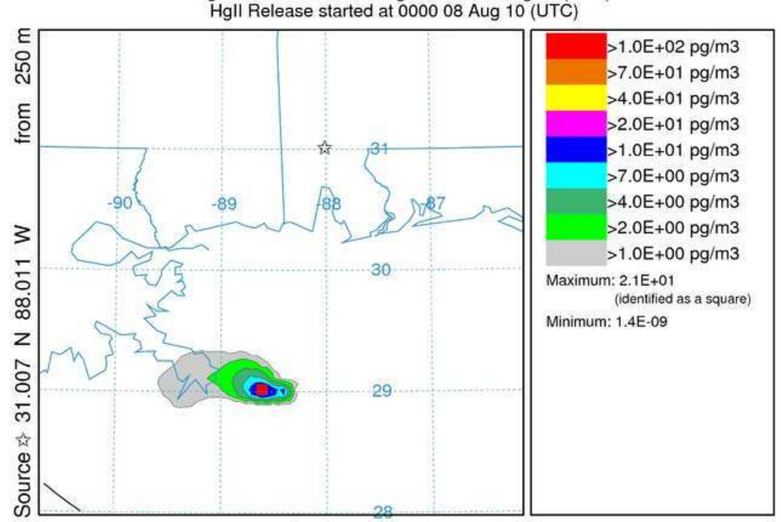
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1300 10 Aug to 1400 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



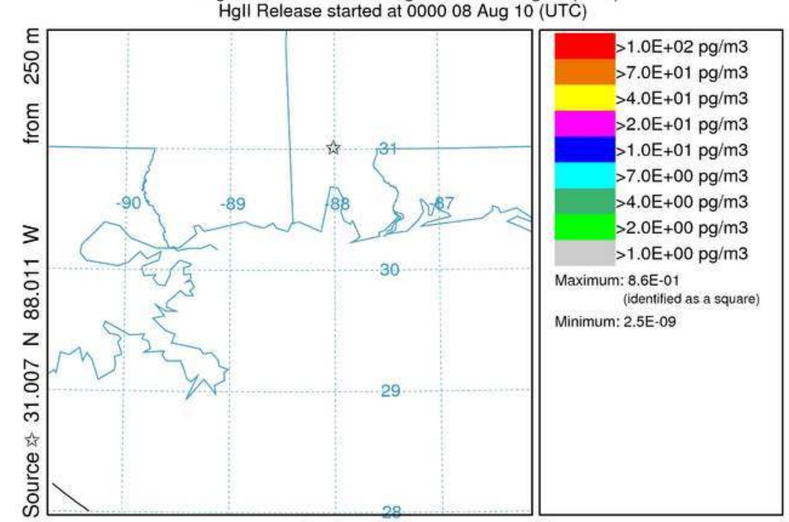
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1300 10 Aug to 1400 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)

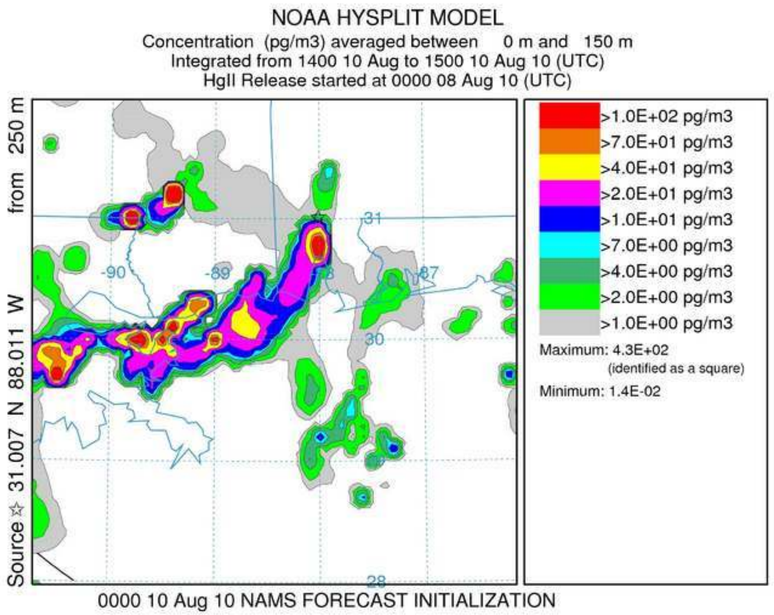


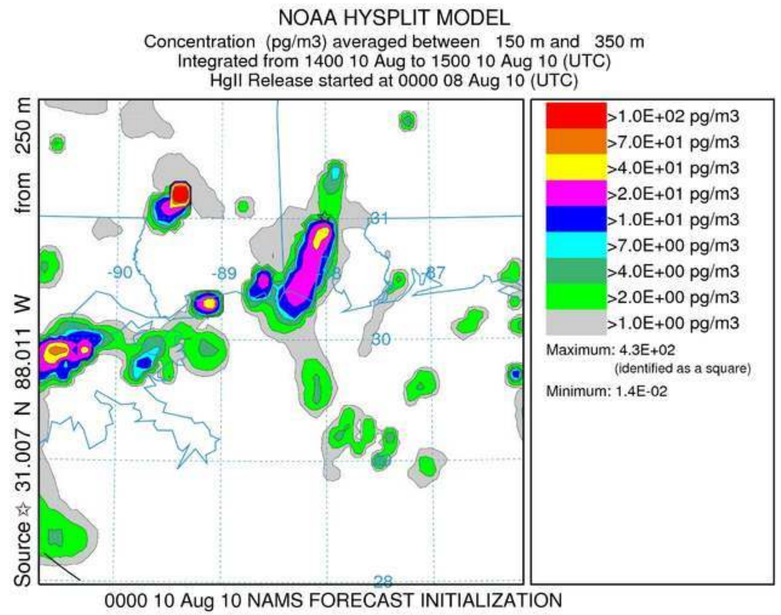
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

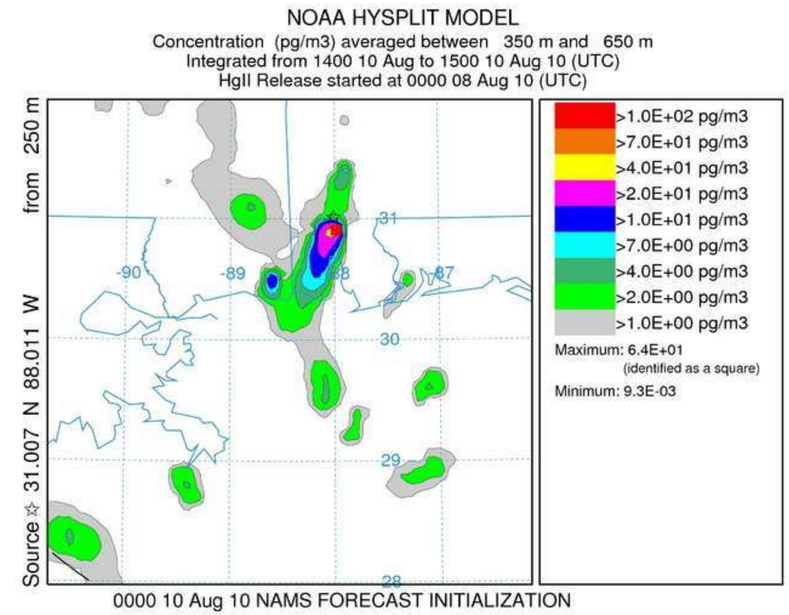
NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1300 10 Aug to 1400 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)

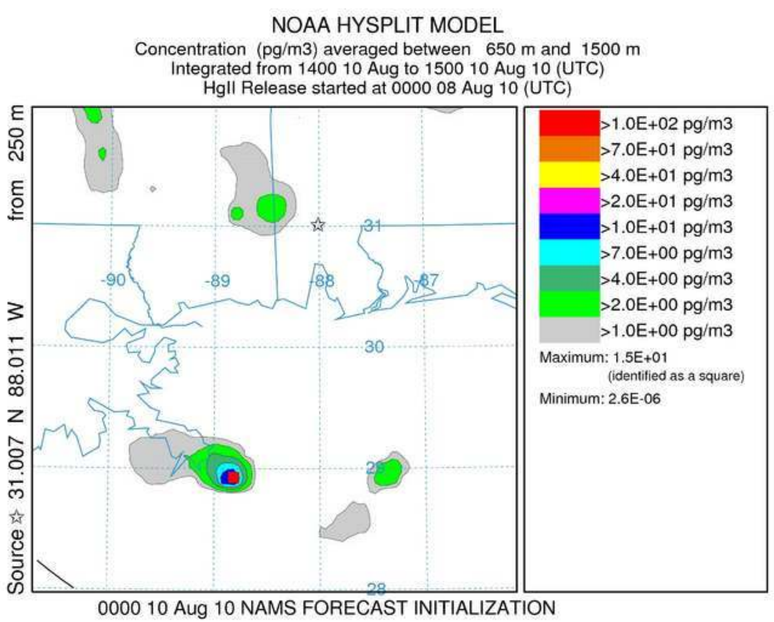


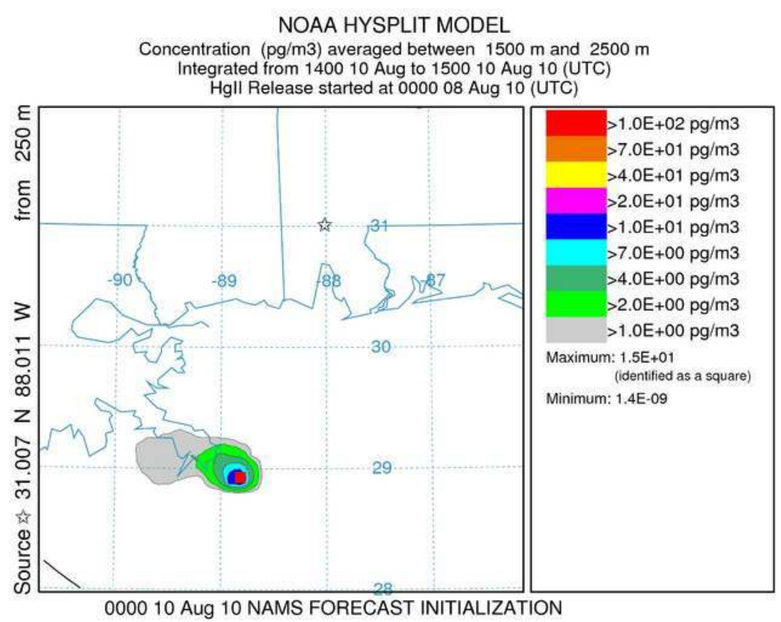
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

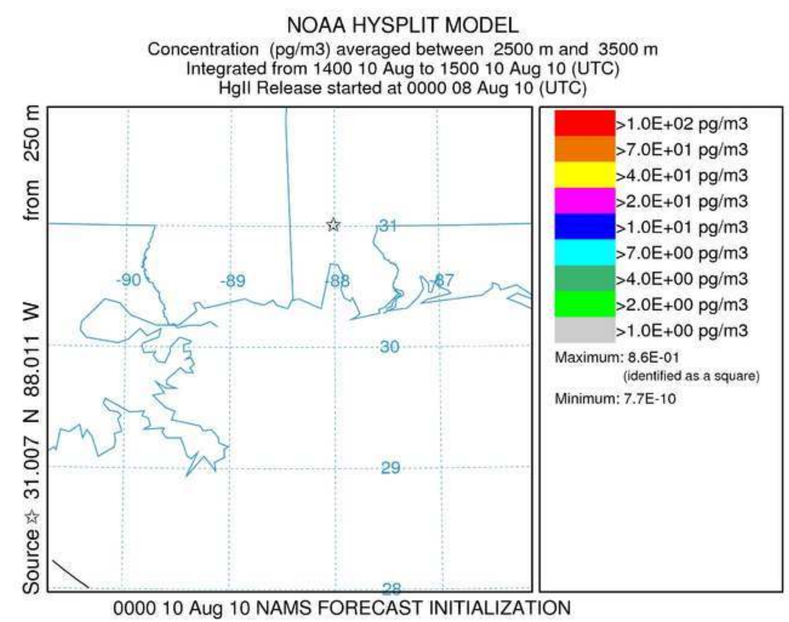

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1400 10 Aug to 1500 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.3E+02
(identified as a square)
Minimum: 1.4E-02
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

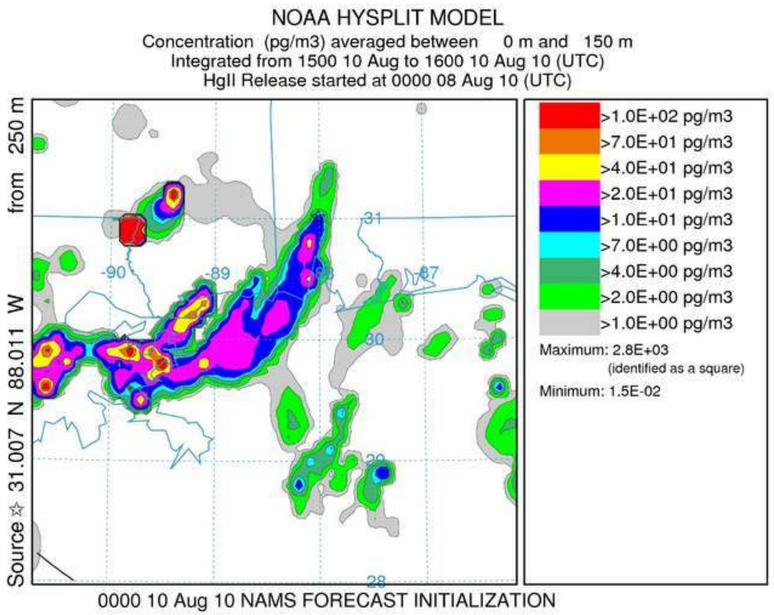

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1400 10 Aug to 1500 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.3E+02
(identified as a square)
Minimum: 1.4E-02
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

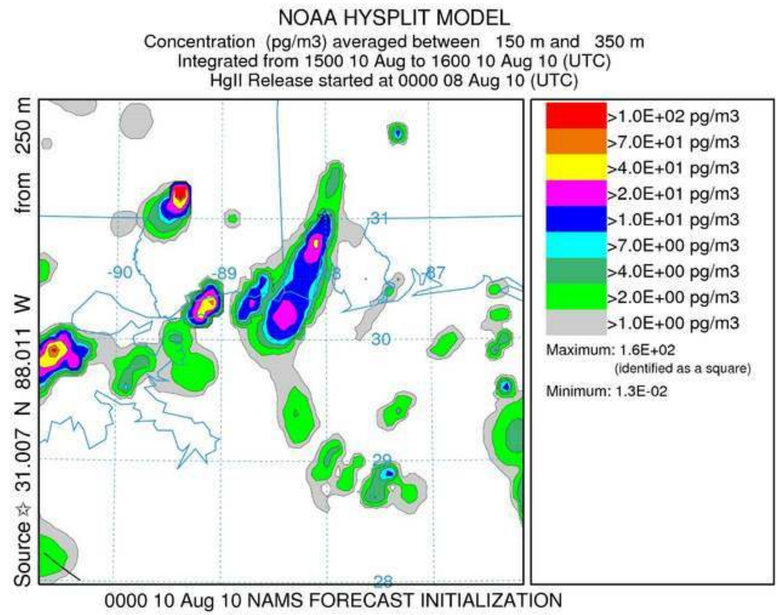

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1400 10 Aug to 1500 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 6.4E+01
(identified as a square)
Minimum: 9.3E-03
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

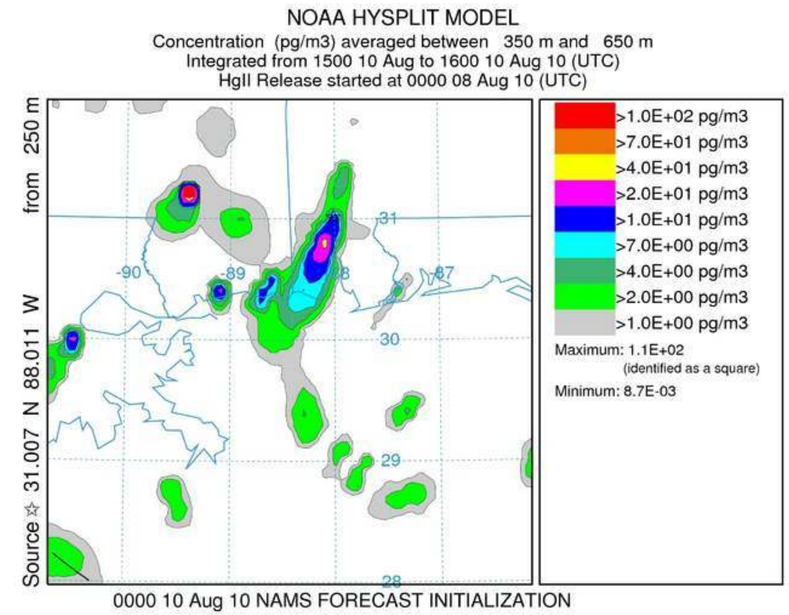

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1400 10 Aug to 1500 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.5E+01
(identified as a square)
Minimum: 2.6E-06
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

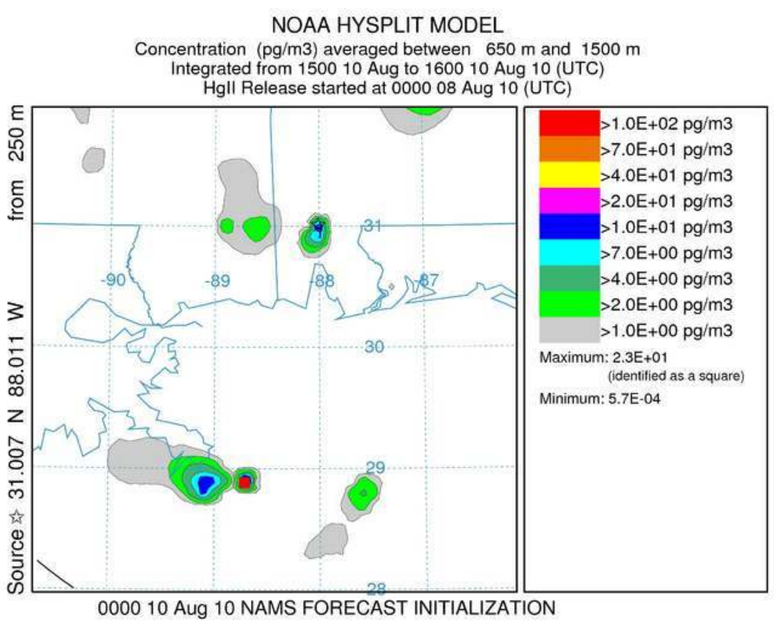

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1400 10 Aug to 1500 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.5E+01
(identified as a square)
Minimum: 1.4E-09
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

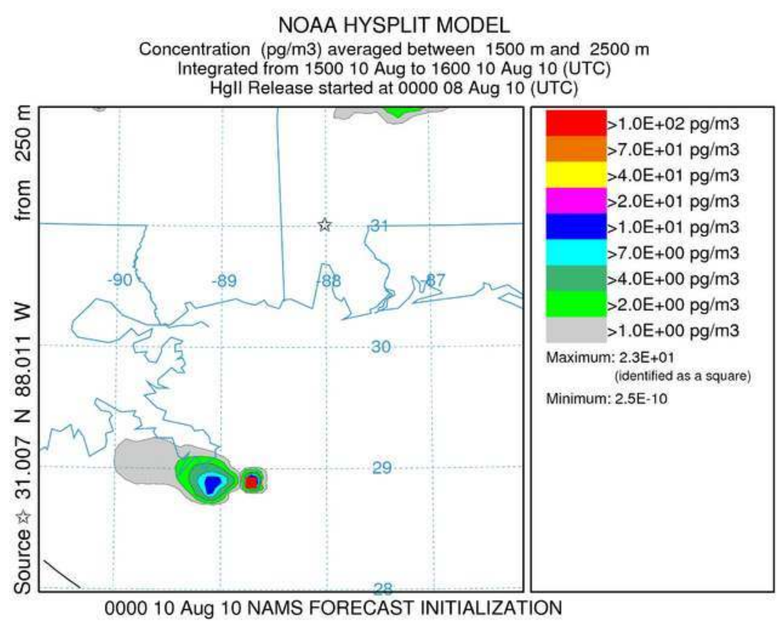

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1400 10 Aug to 1500 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 8.6E-01
(identified as a square)
Minimum: 7.7E-10
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

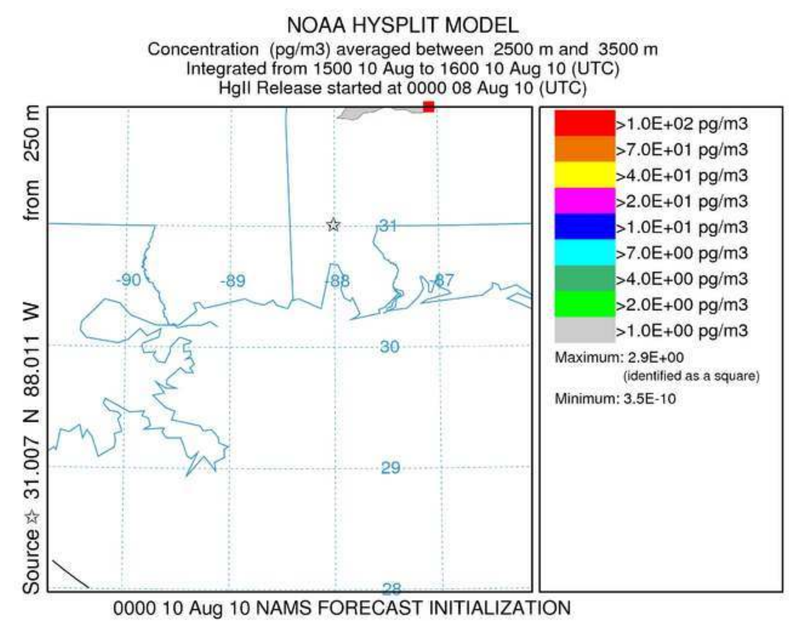

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1500 10 Aug to 1600 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.8E+03
(identified as a square)
Minimum: 1.5E-02
0000 10 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1500 10 Aug to 1600 10 Aug 10 (UTC)
HgII Release started at 0000 08 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+02
(identified as a square)
Minimum: 1.3E-02
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

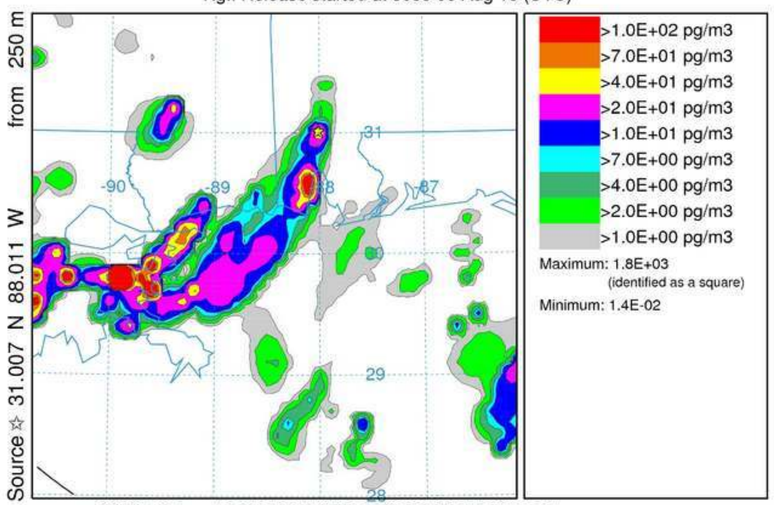

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1500 10 Aug to 1600 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.1E+02
(identified as a square)
Minimum: 8.7E-03
0000 10 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1500 10 Aug to 1600 10 Aug 10 (UTC)
HgII Release started at 0000 08 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+01
(identified as a square)
Minimum: 5.7E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1500 10 Aug to 1600 10 Aug 10 (UTC)
HgII Release started at 0000 08 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+01
(identified as a square)
Minimum: 2.5E-10
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

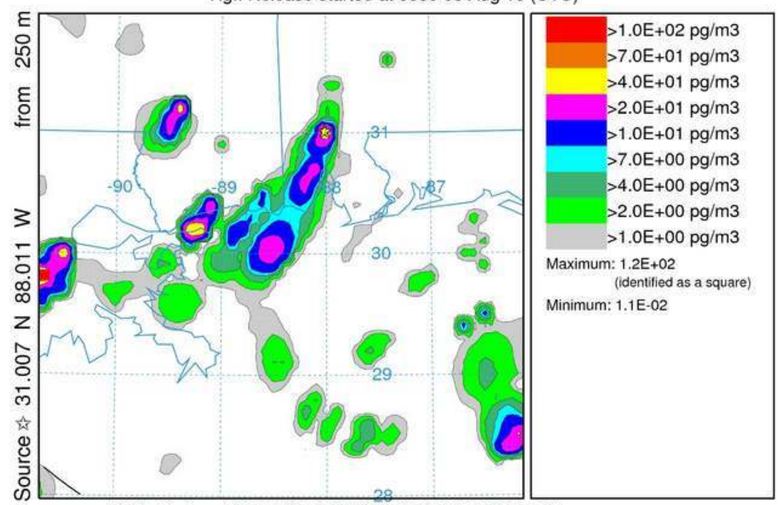

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1500 10 Aug to 1600 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.9E+00
(identified as a square)
Minimum: 3.5E-10
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1600 10 Aug to 1700 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



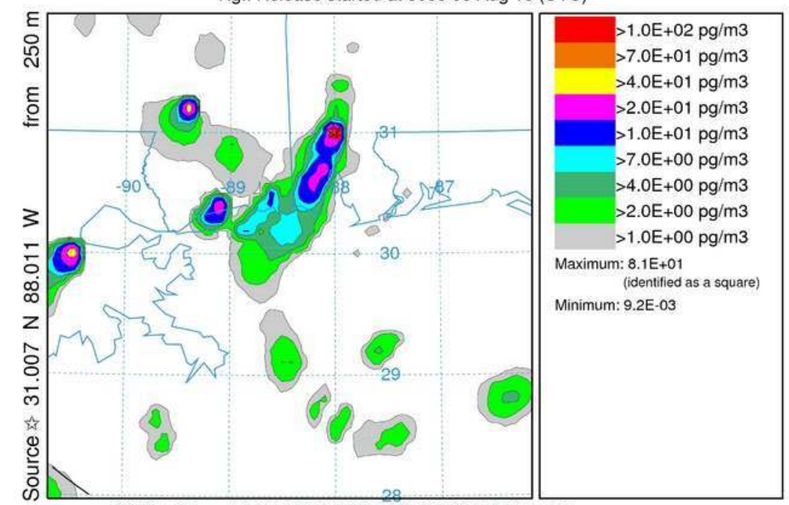
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1600 10 Aug to 1700 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



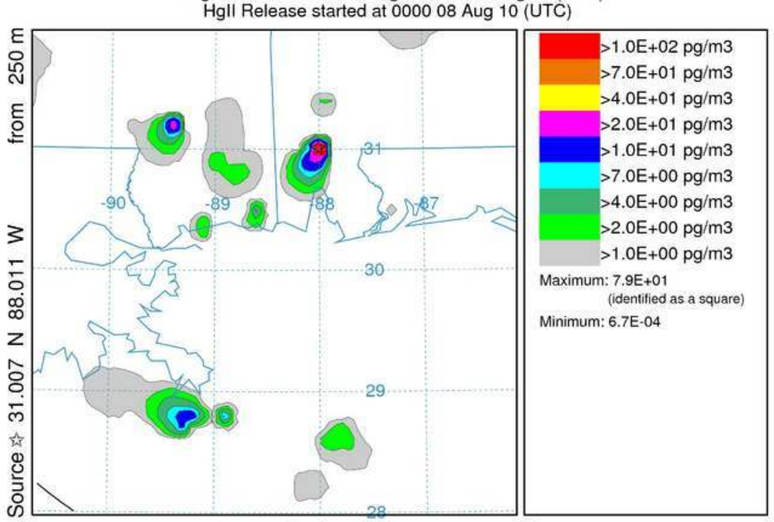
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1600 10 Aug to 1700 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



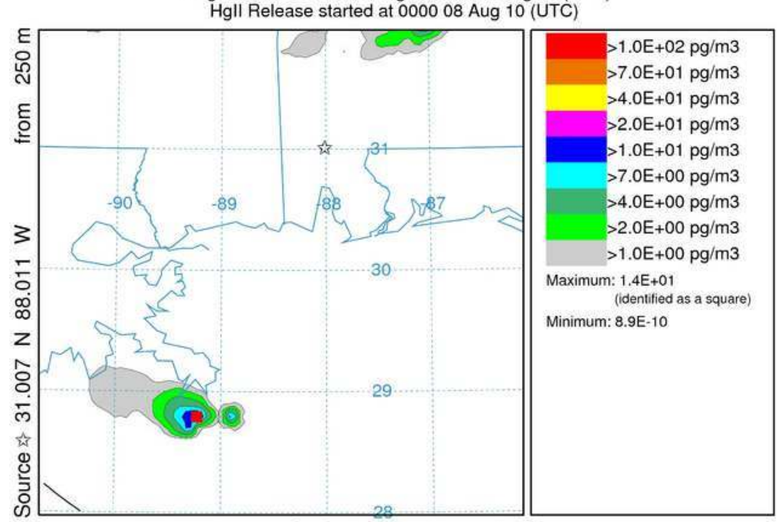
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1600 10 Aug to 1700 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



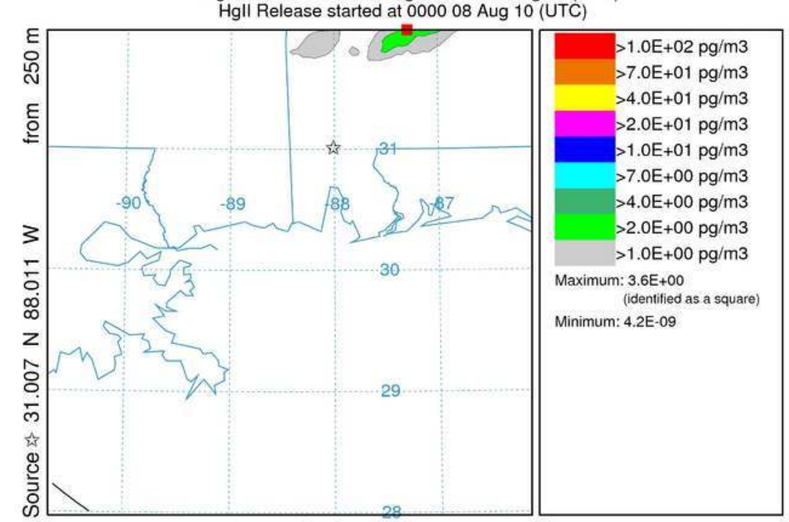
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1600 10 Aug to 1700 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



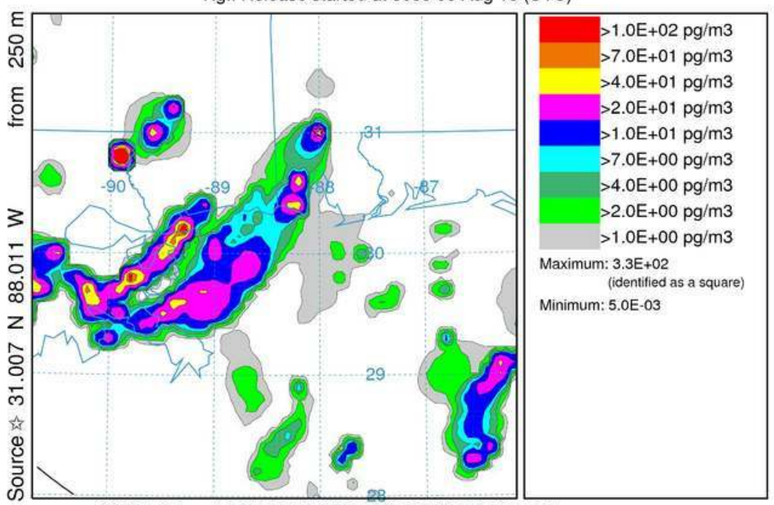
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1600 10 Aug to 1700 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



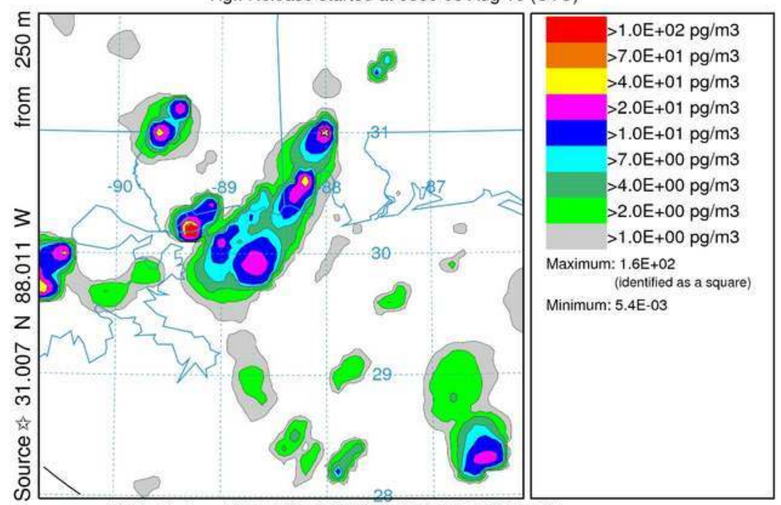
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1700 10 Aug to 1800 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



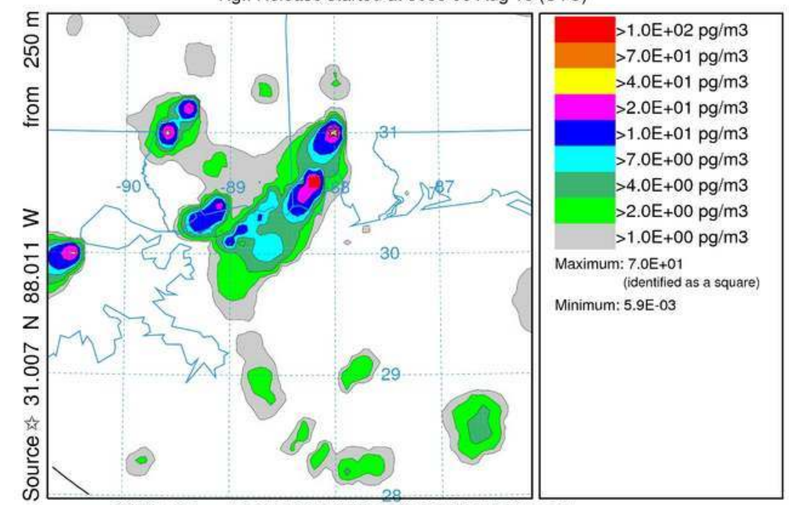
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1700 10 Aug to 1800 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



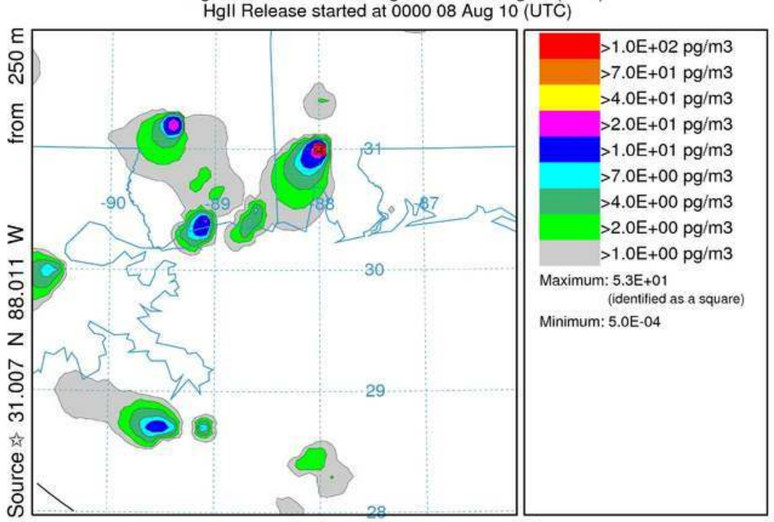
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1700 10 Aug to 1800 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



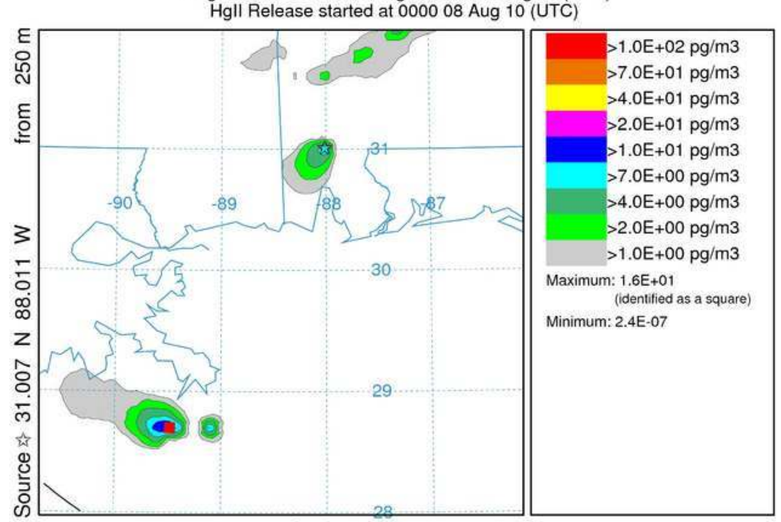
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1700 10 Aug to 1800 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



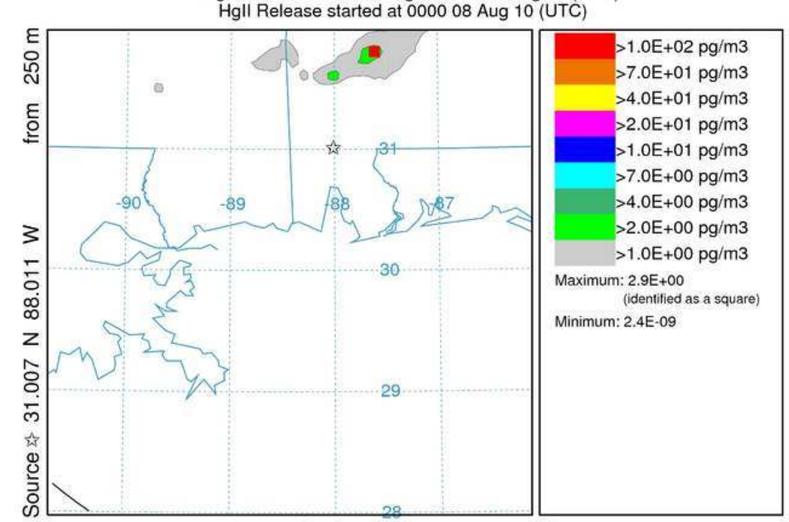
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1700 10 Aug to 1800 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)

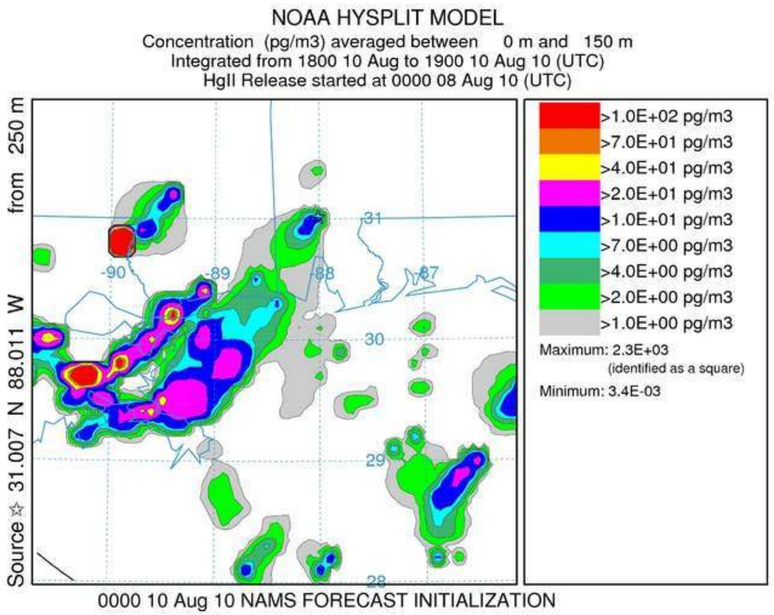


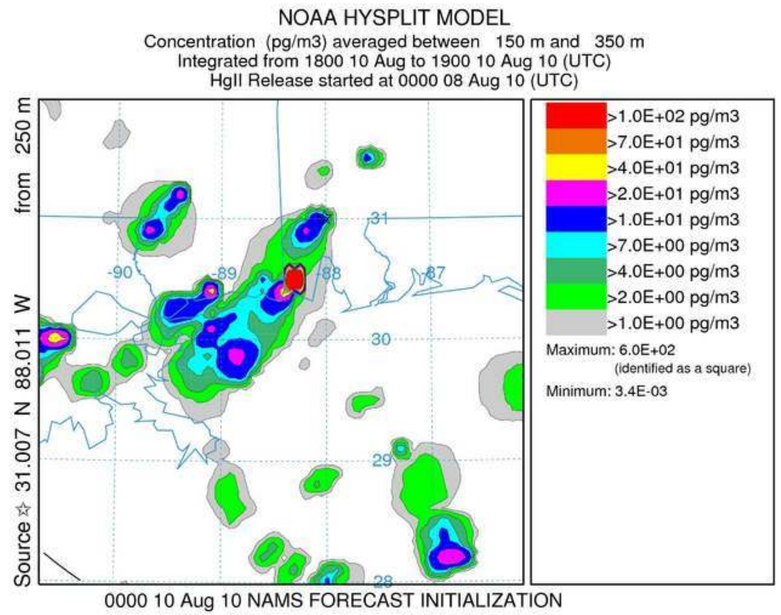
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

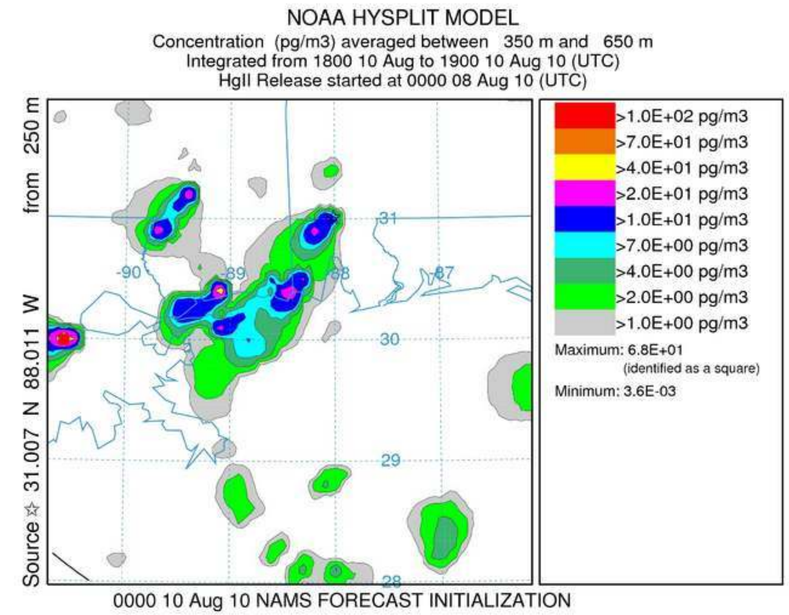
NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1700 10 Aug to 1800 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)

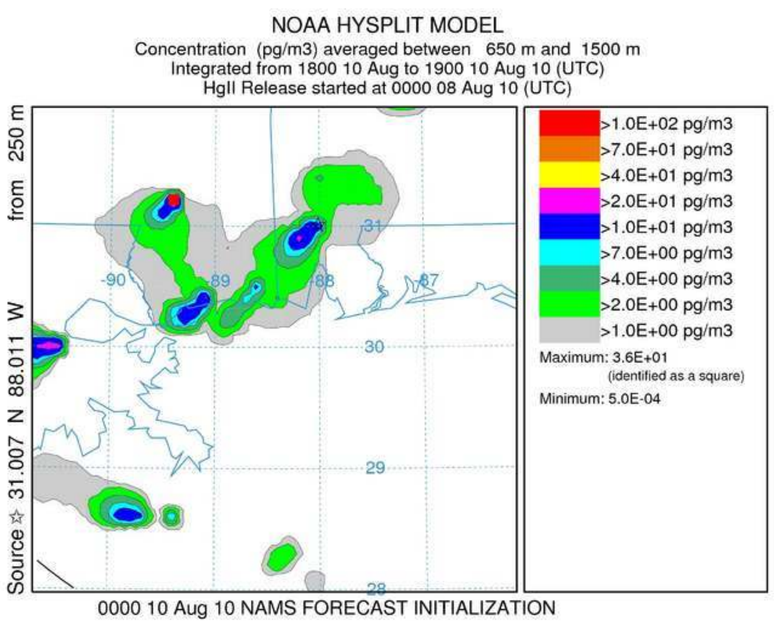


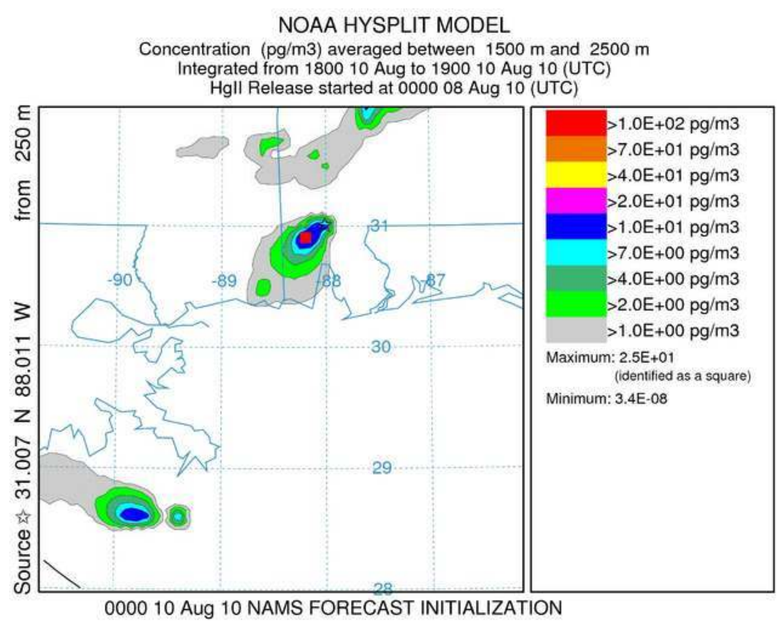
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

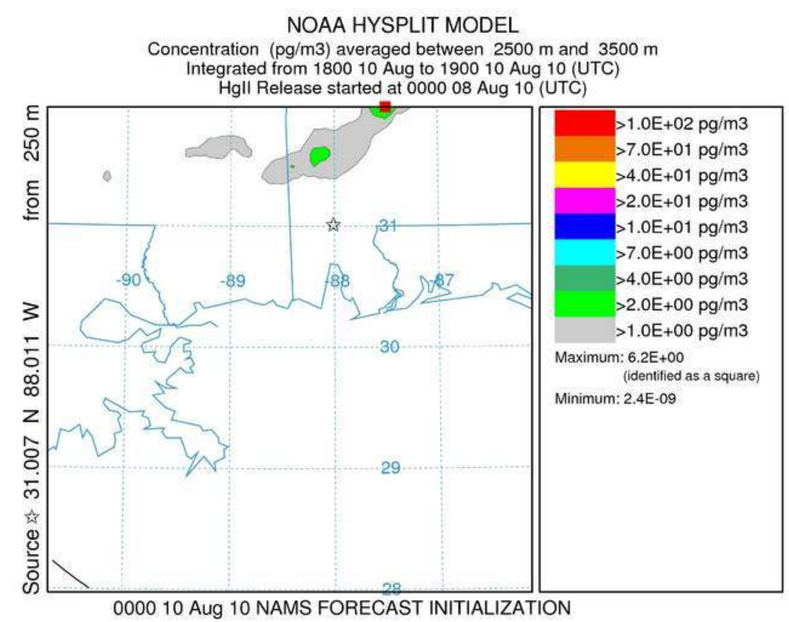

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1800 10 Aug to 1900 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.3E+03
(identified as a square)
Minimum: 3.4E-03
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

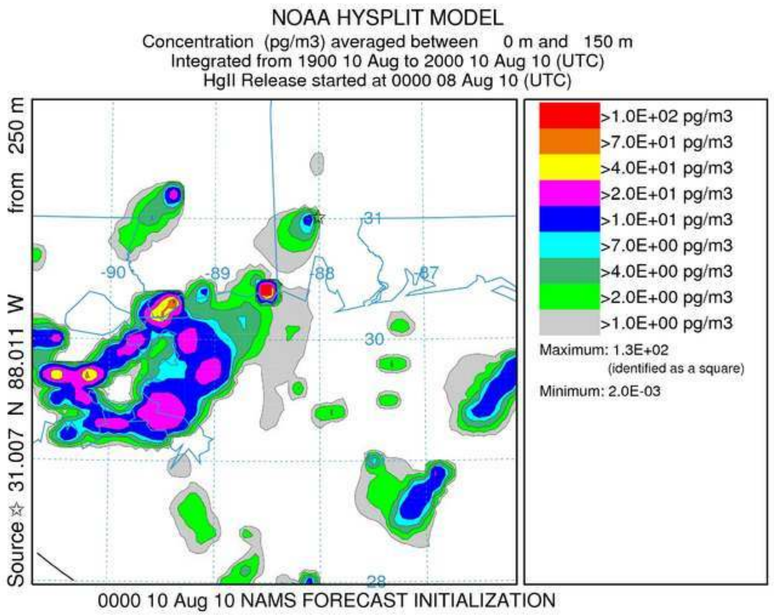

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1800 10 Aug to 1900 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 6.0E+02
(identified as a square)
Minimum: 3.4E-03
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

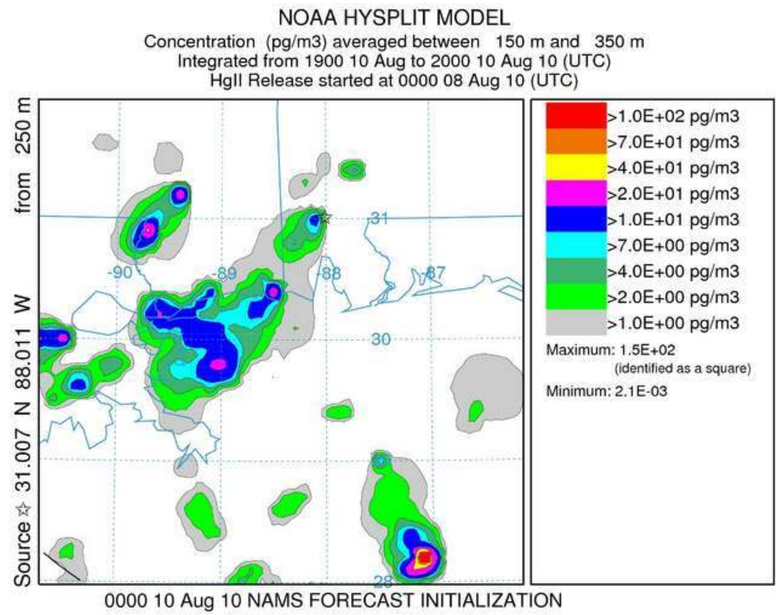

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1800 10 Aug to 1900 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 6.8E+01
(identified as a square)
Minimum: 3.6E-03
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

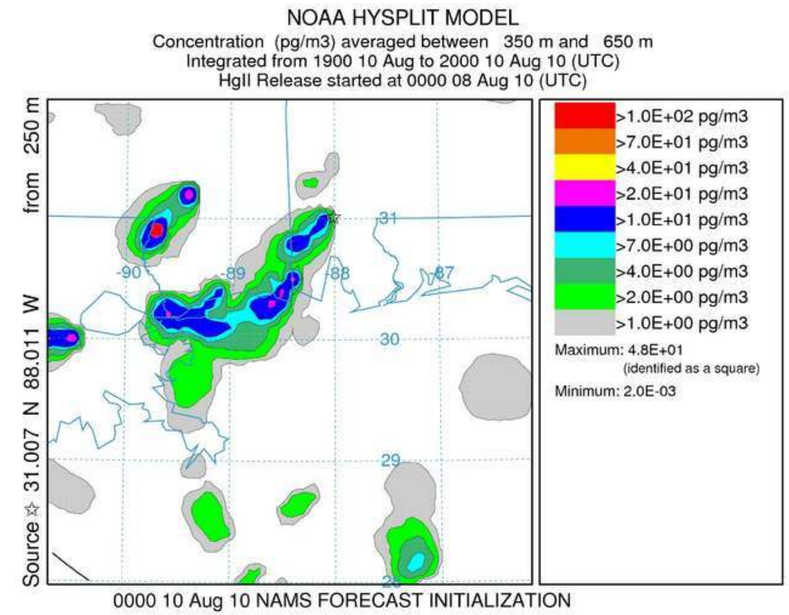

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1800 10 Aug to 1900 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.6E+01
(identified as a square)
Minimum: 5.0E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

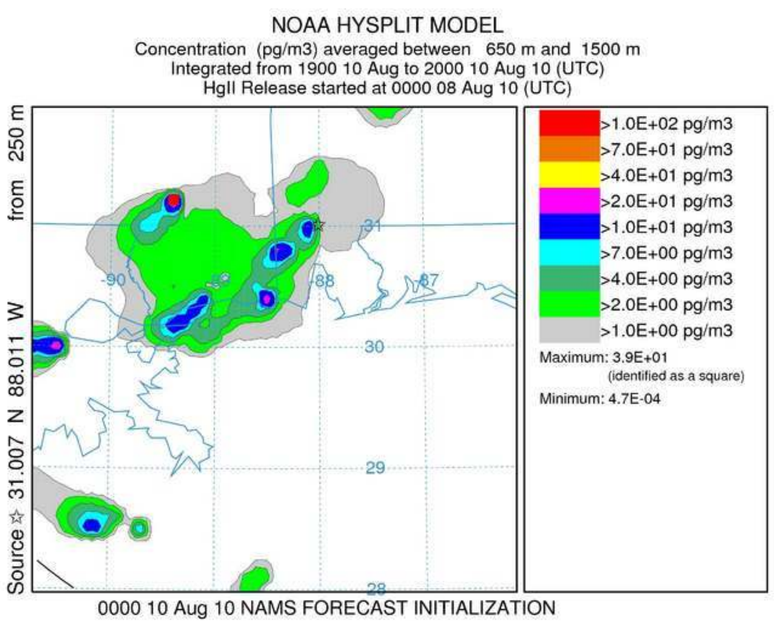

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1800 10 Aug to 1900 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.5E+01
(identified as a square)
Minimum: 3.4E-08
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

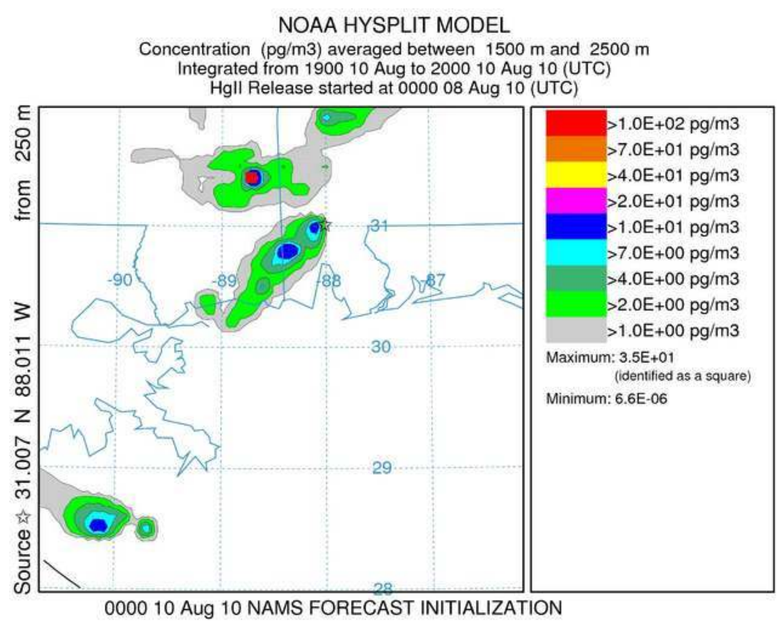

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1800 10 Aug to 1900 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 6.2E+00
(identified as a square)
Minimum: 2.4E-09
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

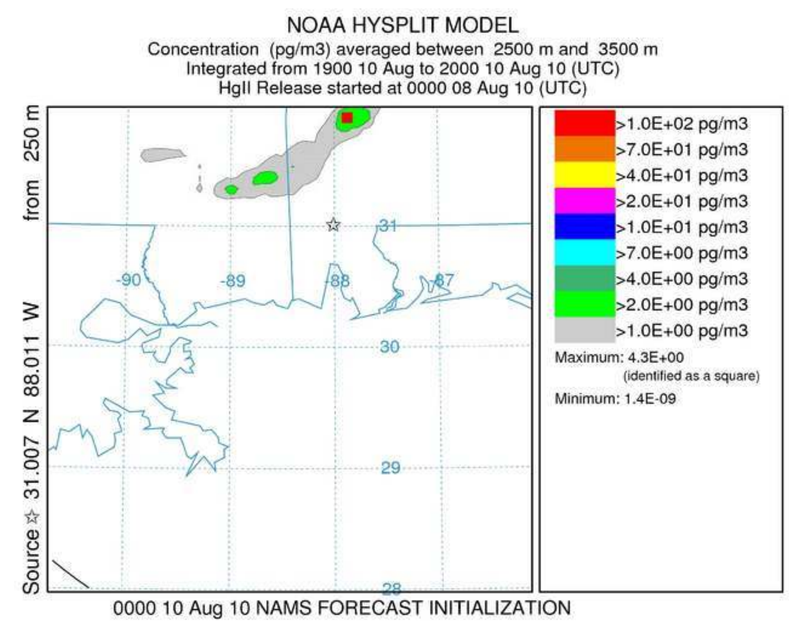

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1900 10 Aug to 2000 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.3E+02
(identified as a square)
Minimum: 2.0E-03
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

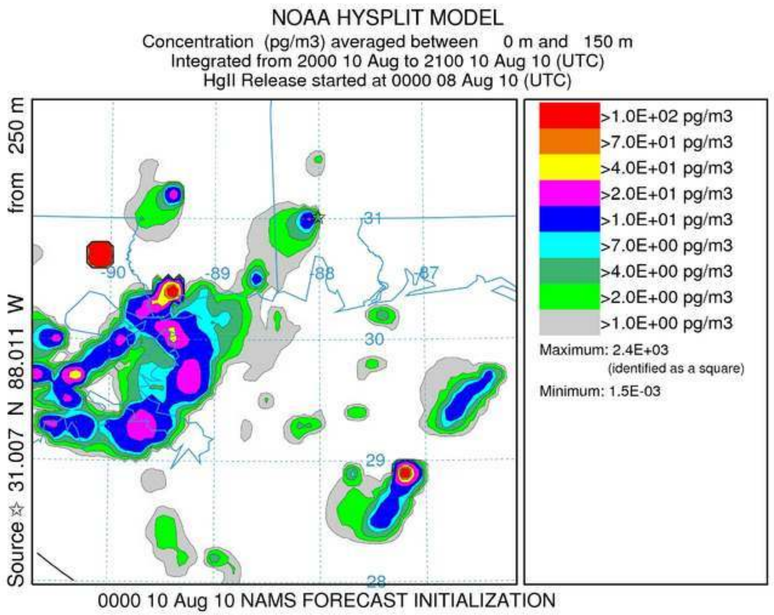

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1900 10 Aug to 2000 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.5E+02
(identified as a square)
Minimum: 2.1E-03
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

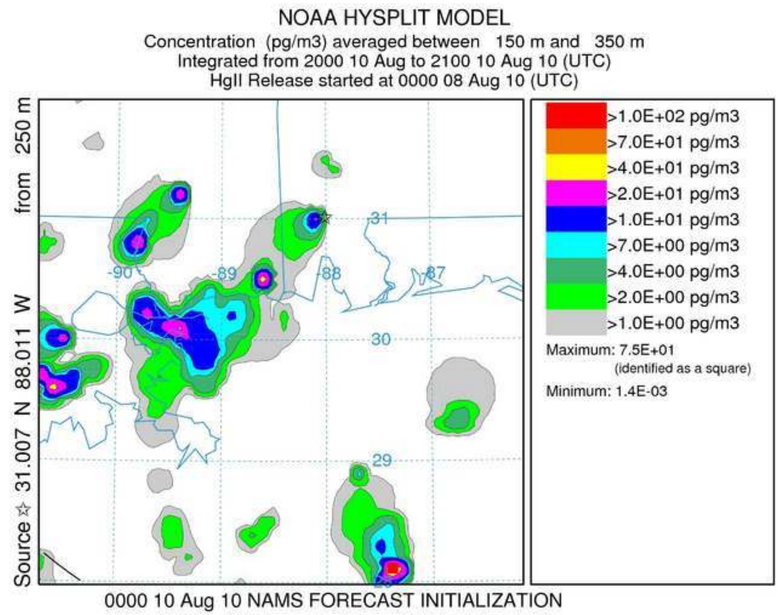

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1900 10 Aug to 2000 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.8E+01
(identified as a square)
Minimum: 2.0E-03
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

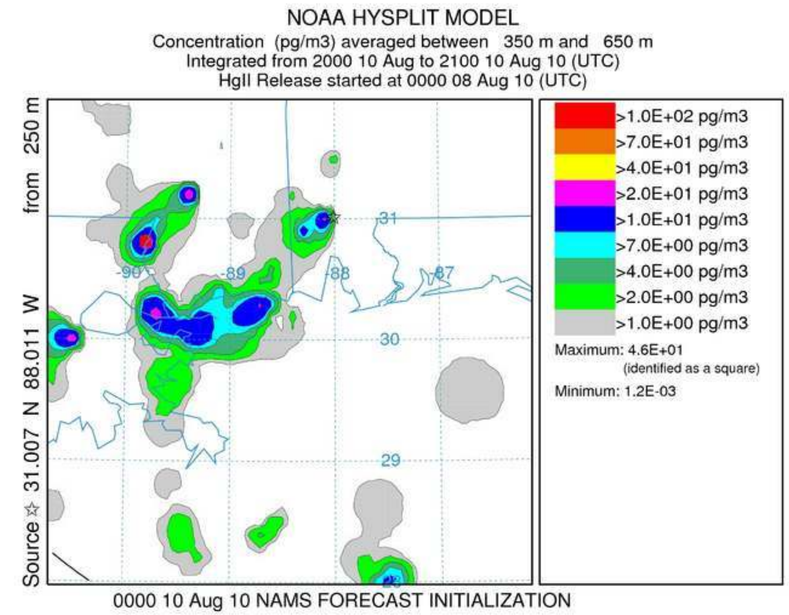

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1900 10 Aug to 2000 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.9E+01
(identified as a square)
Minimum: 4.7E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

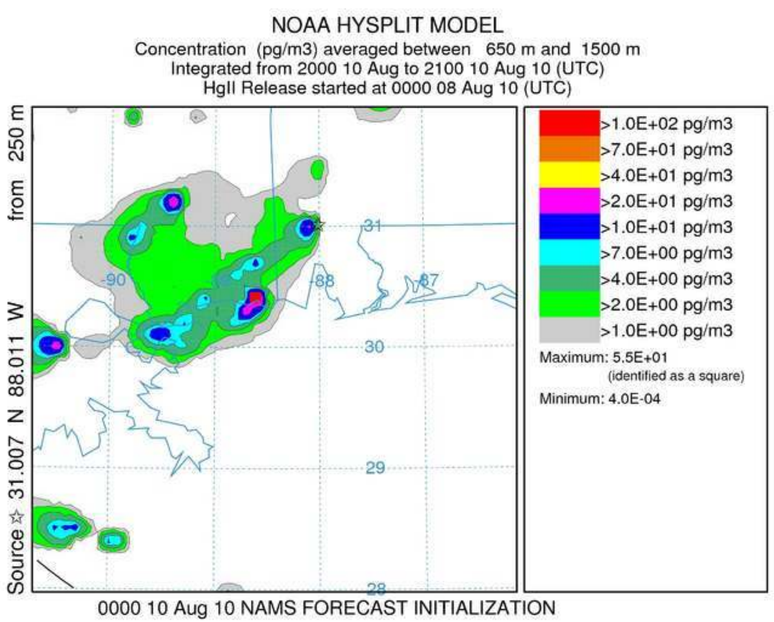

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1900 10 Aug to 2000 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.5E+01
(identified as a square)
Minimum: 6.6E-06
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

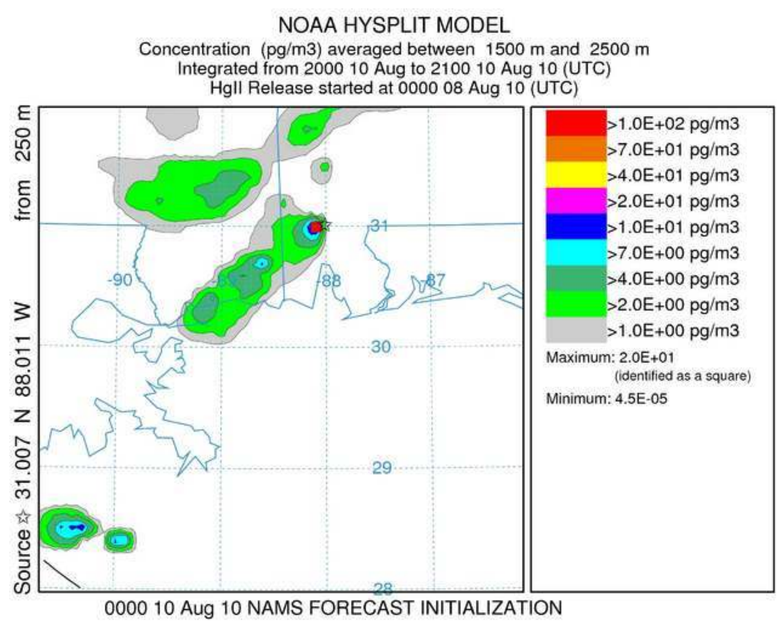

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1900 10 Aug to 2000 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.3E+00
(identified as a square)
Minimum: 1.4E-09
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

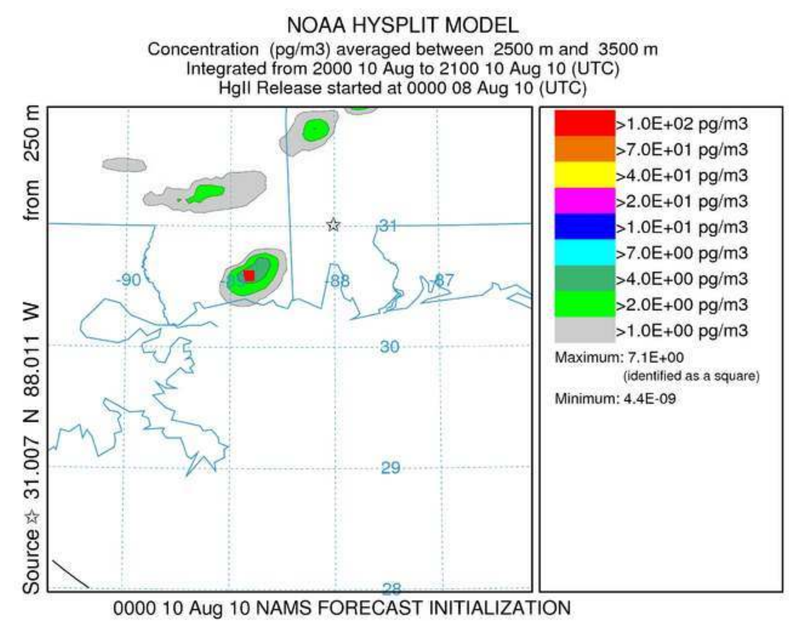

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 2000 10 Aug to 2100 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.4E+03
(identified as a square)
Minimum: 1.5E-03
0000 10 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 2000 10 Aug to 2100 10 Aug 10 (UTC)
HgII Release started at 0000 08 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: 7.5E+01
(identified as a square)
Minimum: 1.4E-03
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

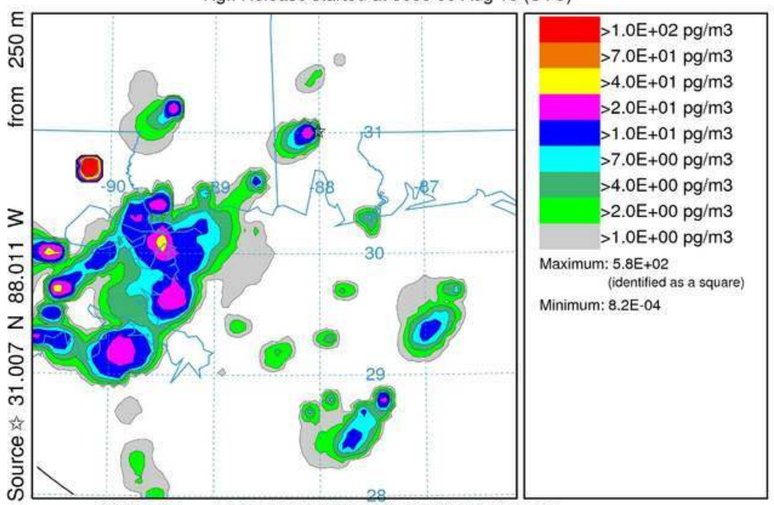

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 2000 10 Aug to 2100 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.6E+01
(identified as a square)
Minimum: 1.2E-03
0000 10 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 2000 10 Aug to 2100 10 Aug 10 (UTC)
HgII Release started at 0000 08 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: 5.5E+01
(identified as a square)
Minimum: 4.0E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 2000 10 Aug to 2100 10 Aug 10 (UTC)
HgII Release started at 0000 08 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: 2.0E+01
(identified as a square)
Minimum: 4.5E-05
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

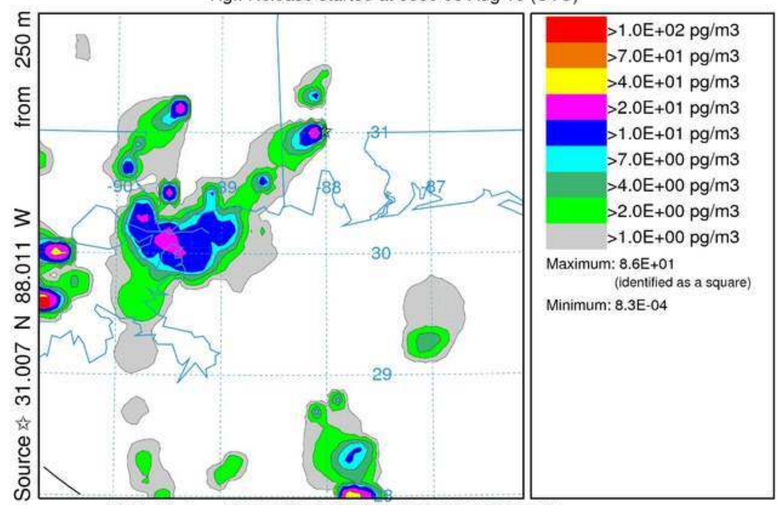

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 2000 10 Aug to 2100 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 7.1E+00
(identified as a square)
Minimum: 4.4E-09
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 2100 10 Aug to 2200 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



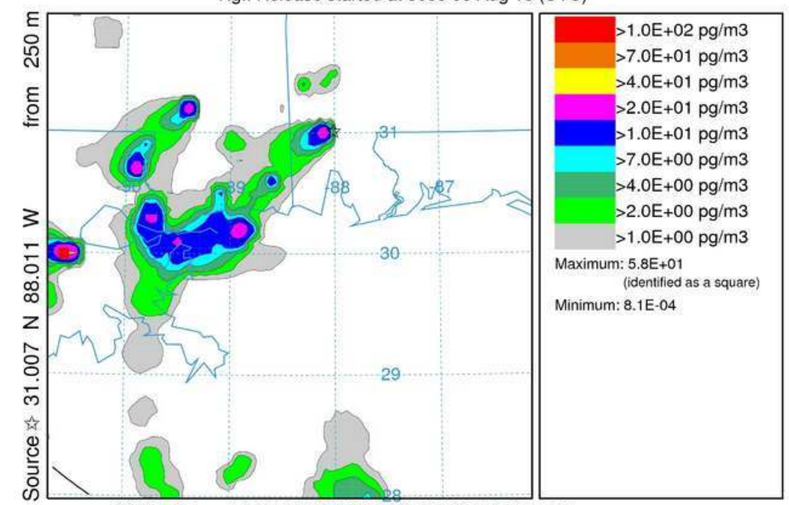
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 2100 10 Aug to 2200 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



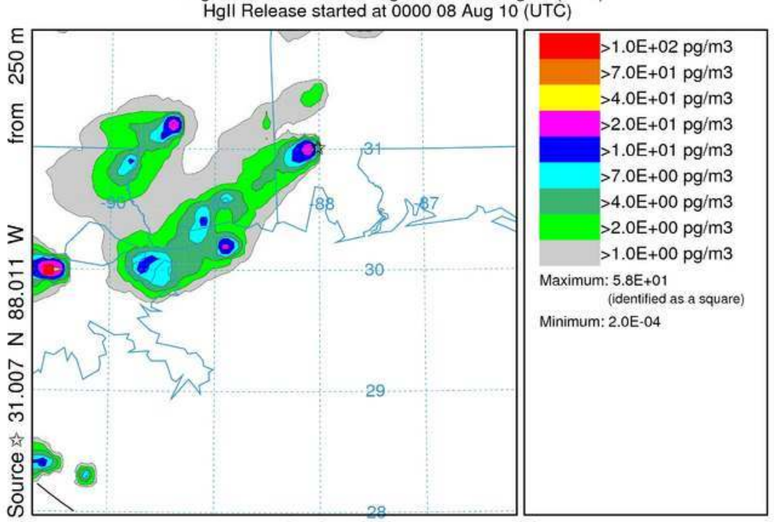
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 2100 10 Aug to 2200 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



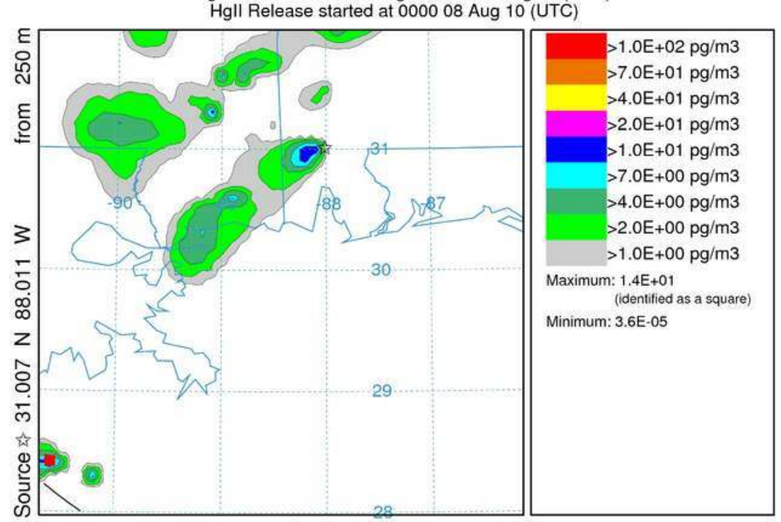
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 2100 10 Aug to 2200 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)



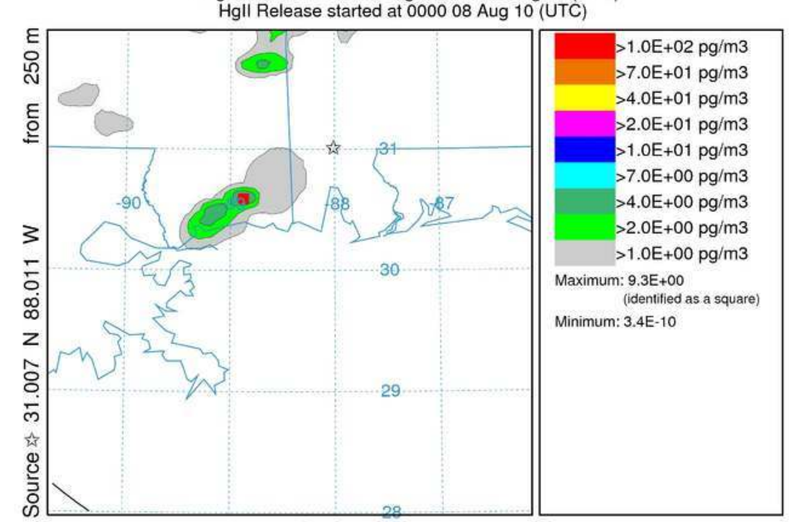
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 2100 10 Aug to 2200 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)

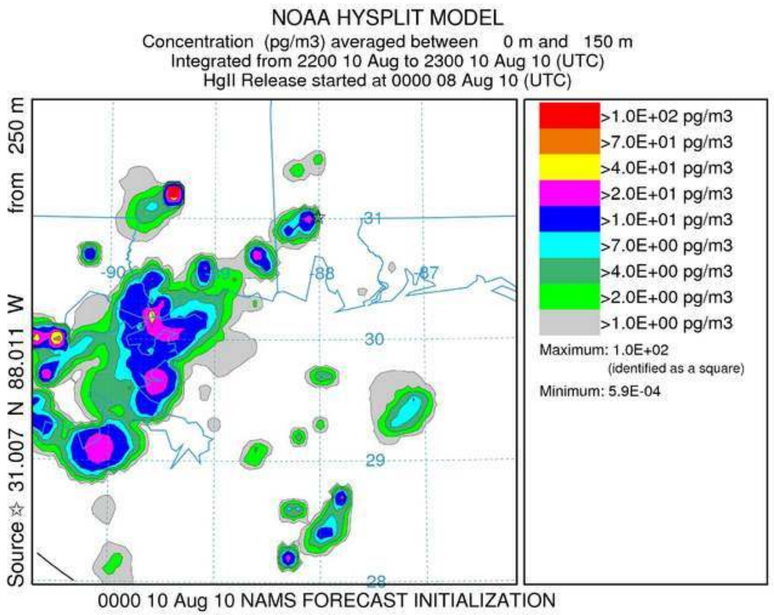


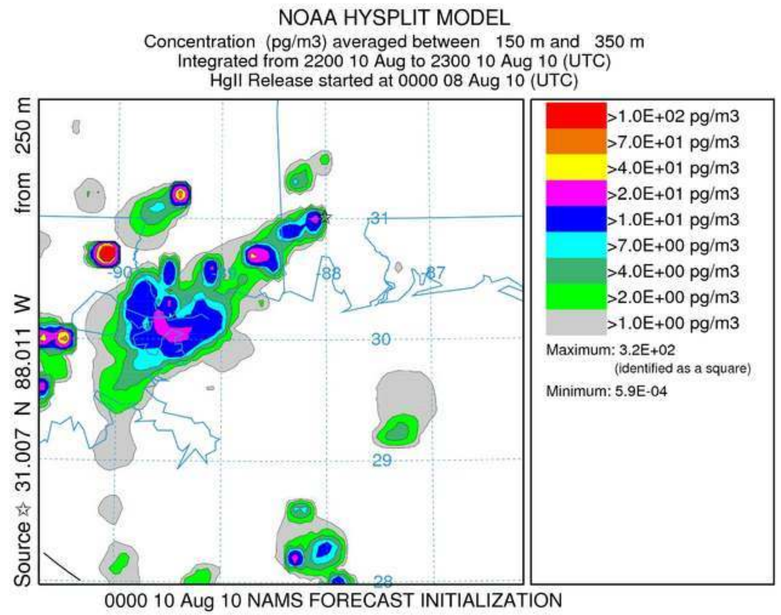
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

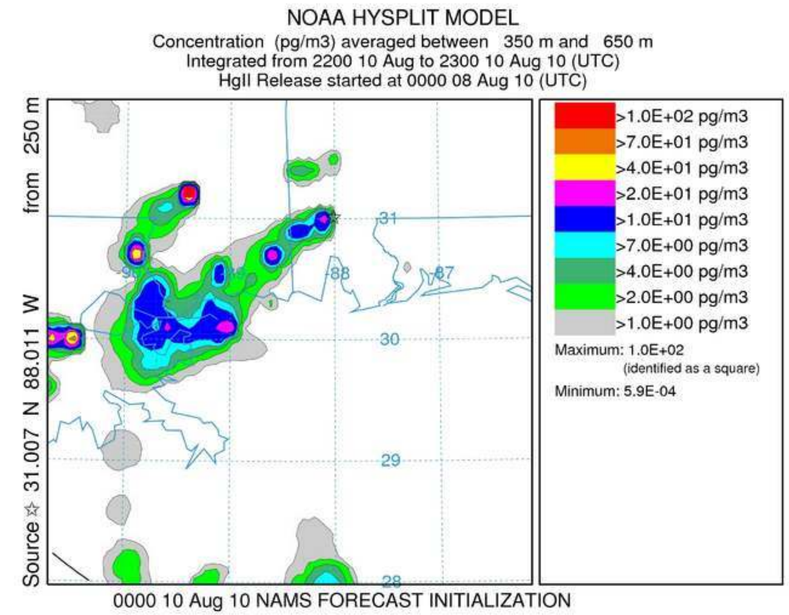
NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 2100 10 Aug to 2200 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)

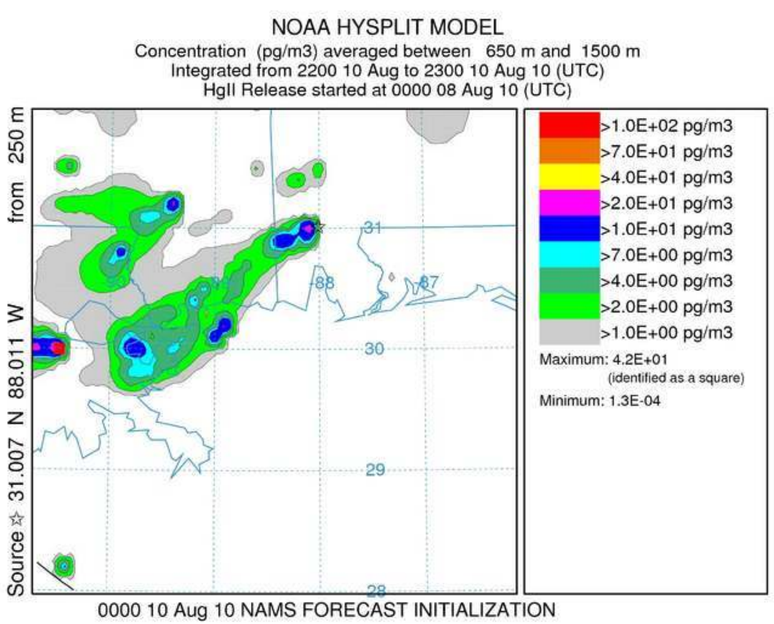


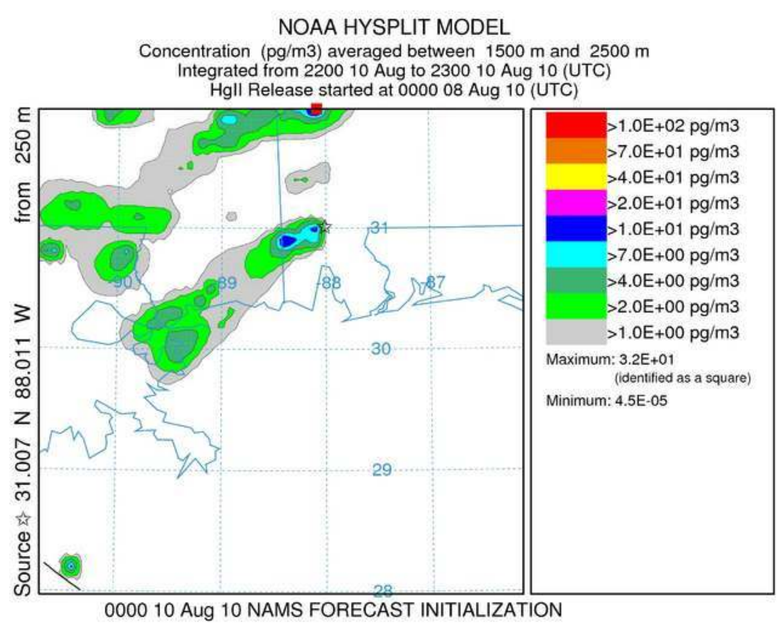
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

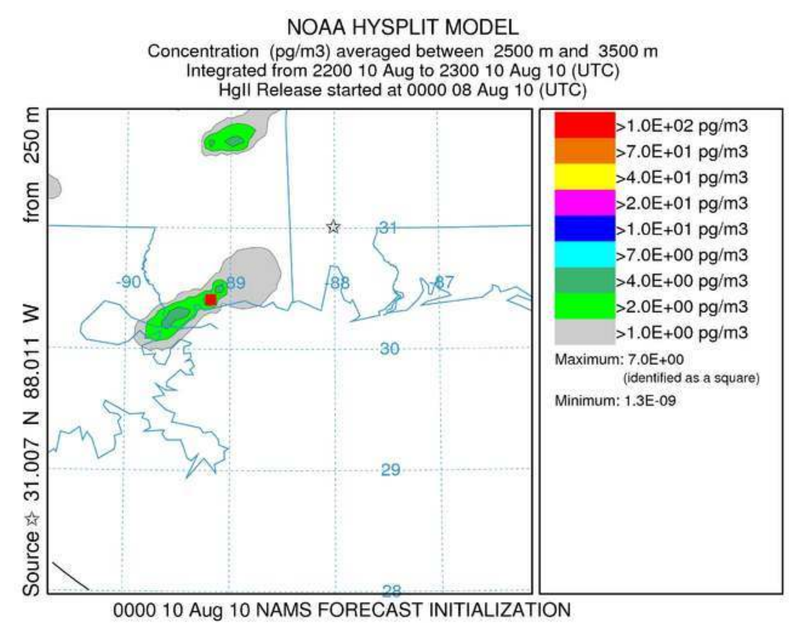

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 2200 10 Aug to 2300 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.0E+02
(identified as a square)
Minimum: 5.9E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

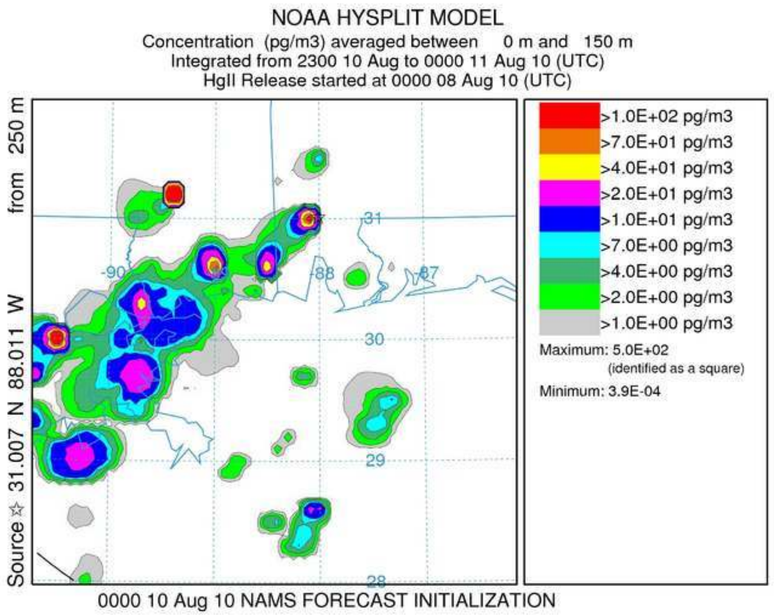

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 2200 10 Aug to 2300 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.2E+02
(identified as a square)
Minimum: 5.9E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

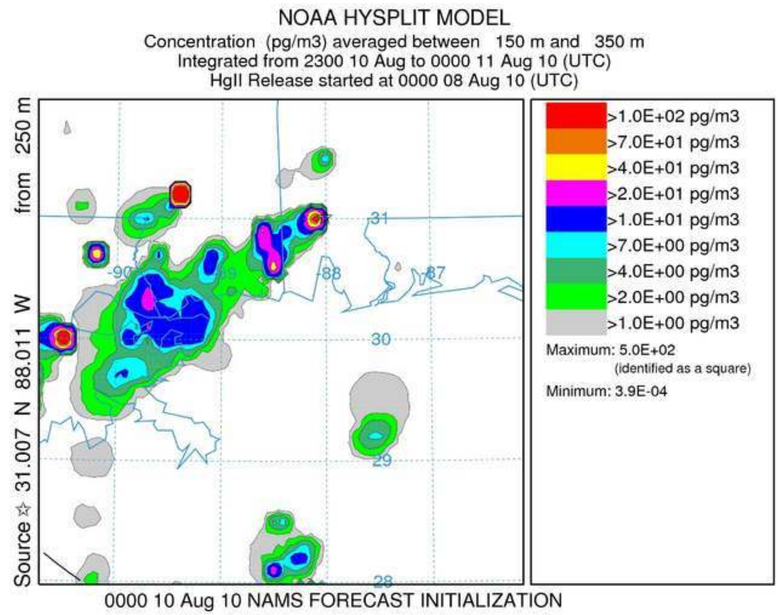

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 2200 10 Aug to 2300 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.0E+02
(identified as a square)
Minimum: 5.9E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

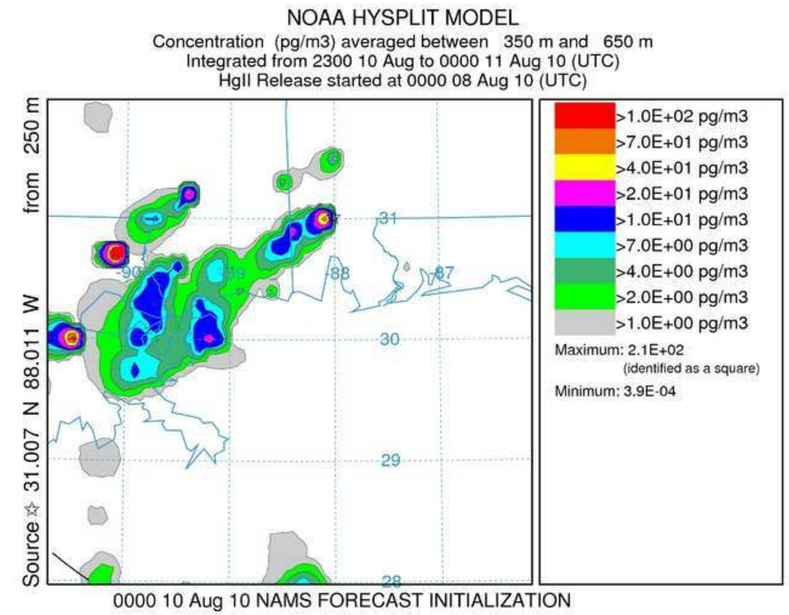

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 2200 10 Aug to 2300 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.2E+01
(identified as a square)
Minimum: 1.3E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

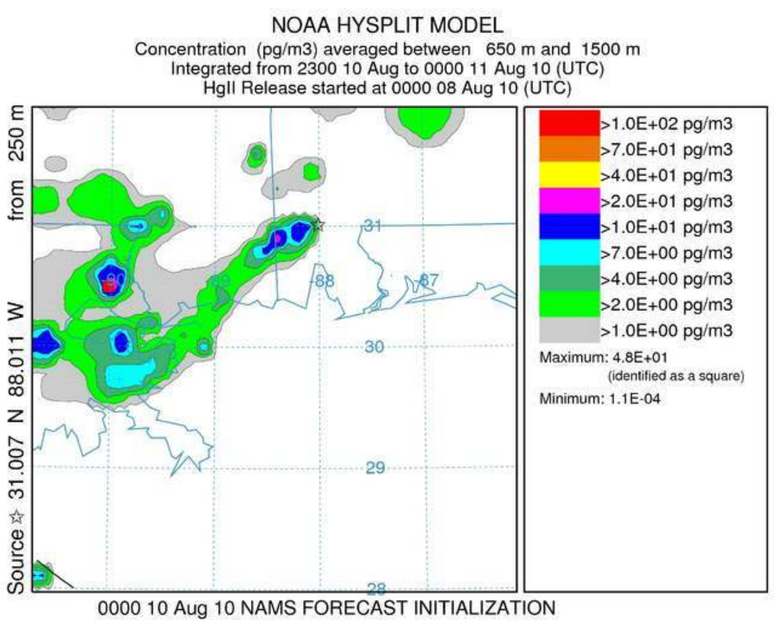

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 2200 10 Aug to 2300 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.2E+01
(identified as a square)
Minimum: 4.5E-05
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

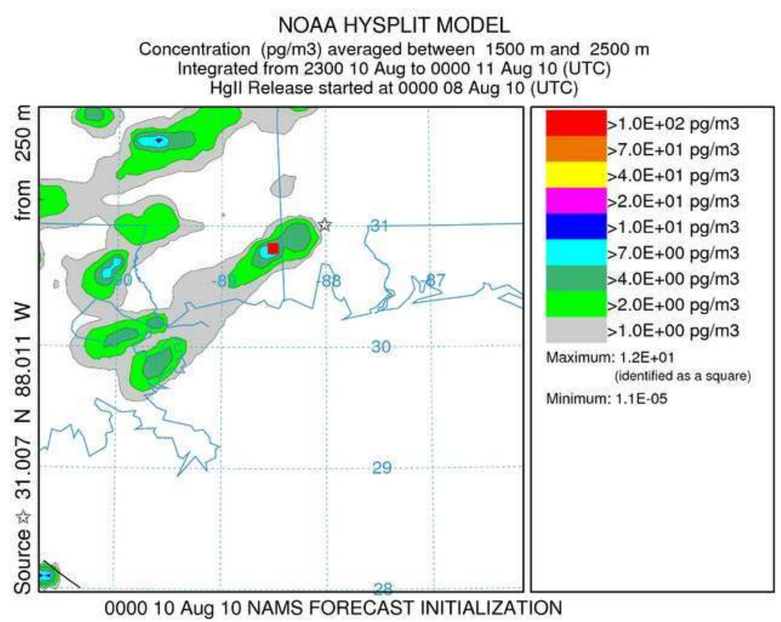

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 2200 10 Aug to 2300 10 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 7.0E+00
(identified as a square)
Minimum: 1.3E-09
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

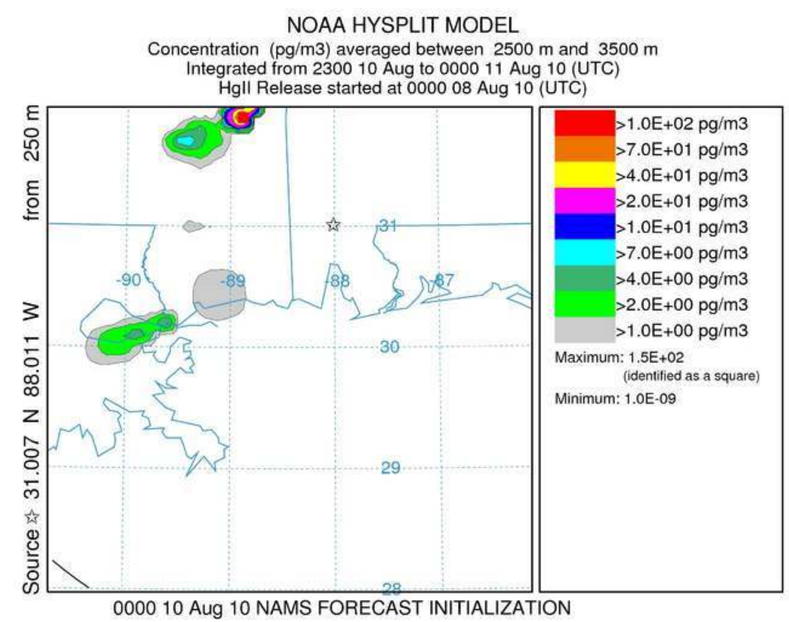

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 2300 10 Aug to 0000 11 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 5.0E+02
(identified as a square)
Minimum: 3.9E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

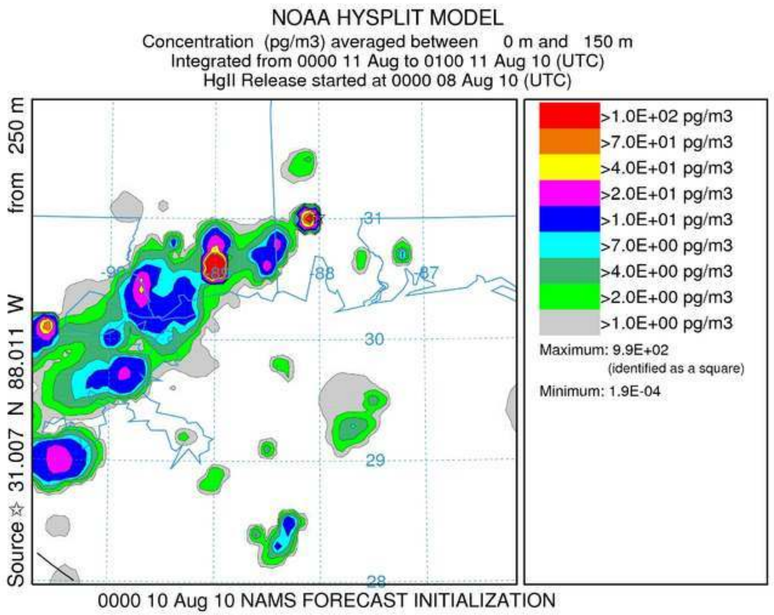

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 2300 10 Aug to 0000 11 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 5.0E+02
(identified as a square)
Minimum: 3.9E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

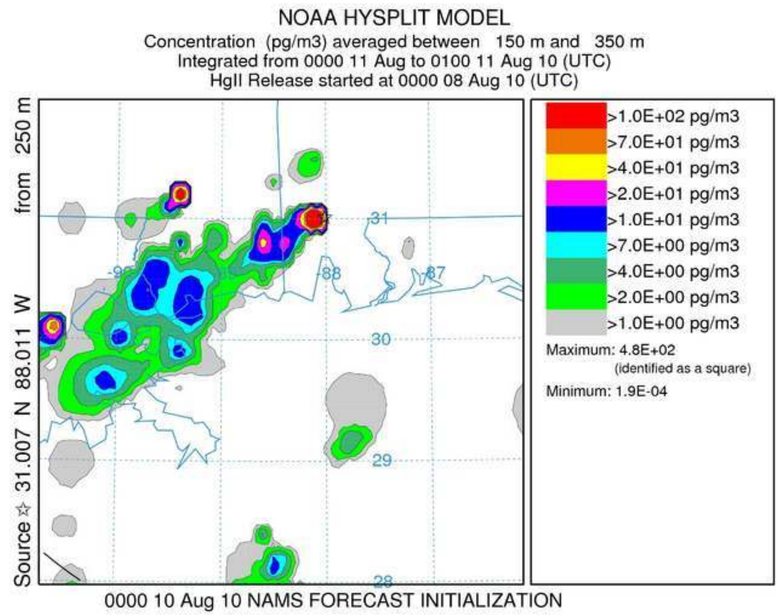

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 2300 10 Aug to 0000 11 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.1E+02
(identified as a square)
Minimum: 3.9E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

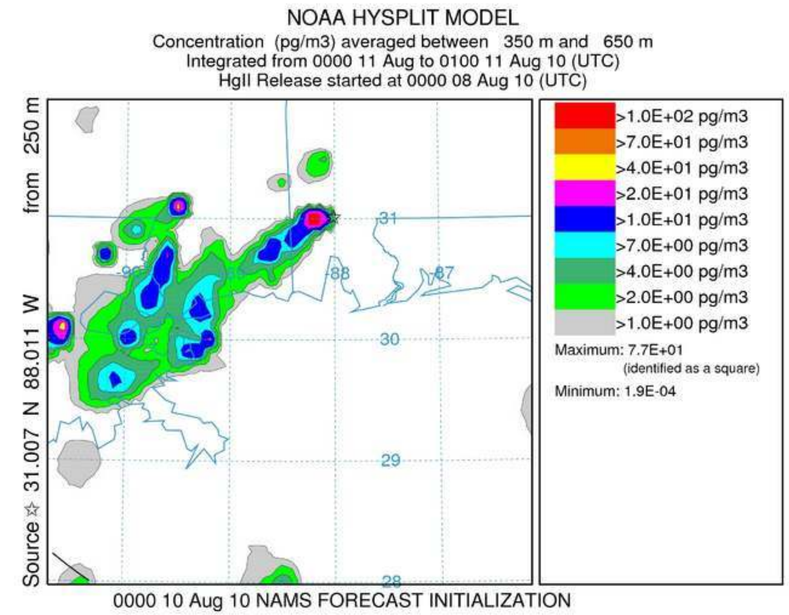

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 2300 10 Aug to 0000 11 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.8E+01
(identified as a square)
Minimum: 1.1E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

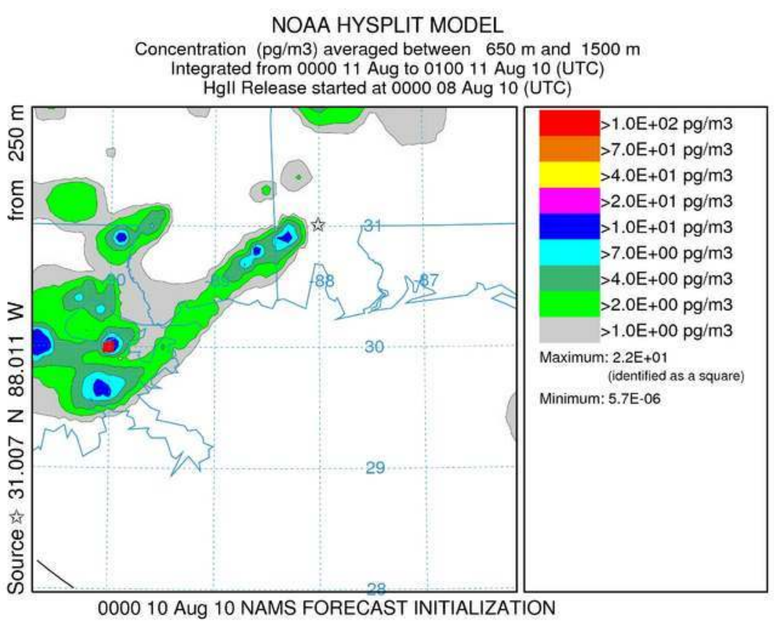

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 2300 10 Aug to 0000 11 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.2E+01
(identified as a square)
Minimum: 1.1E-05
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

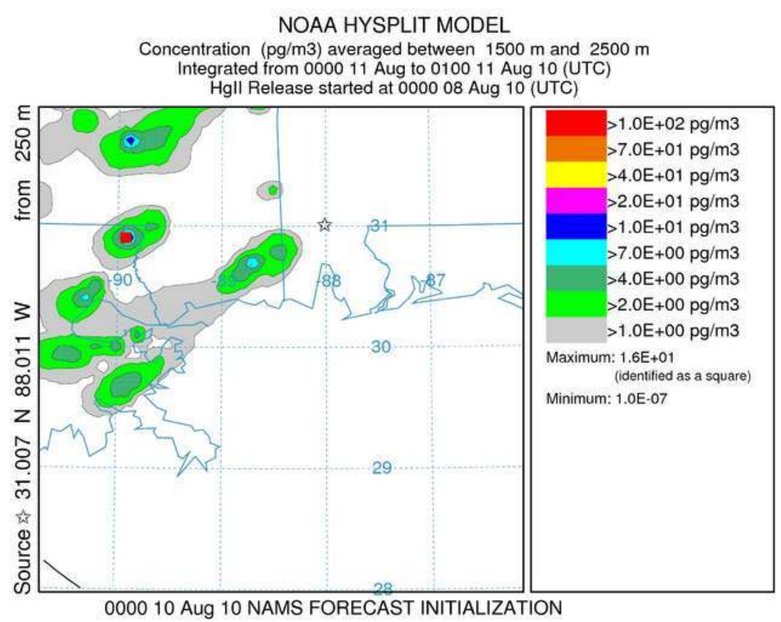

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 2300 10 Aug to 0000 11 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.5E+02
(identified as a square)
Minimum: 1.0E-09
0000 10 Aug 10 NAMS FORECAST INITIALIZATION

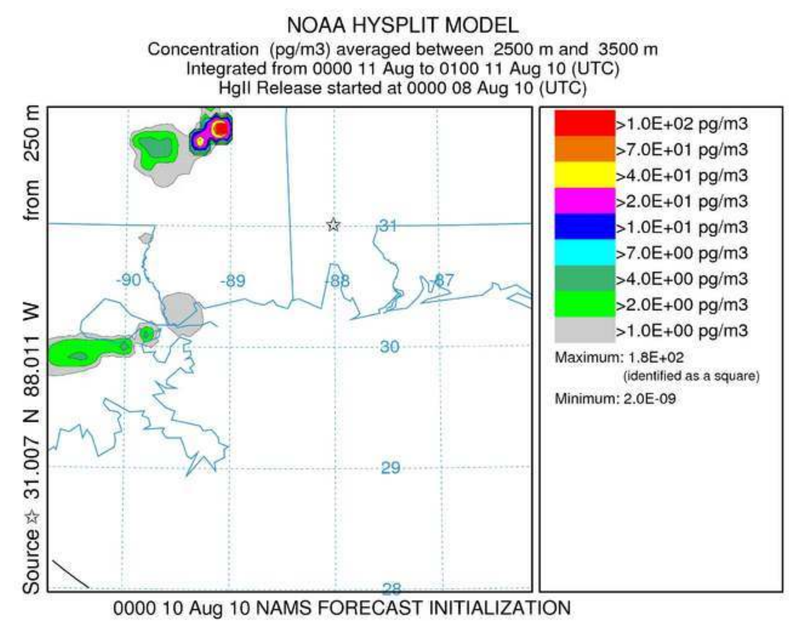

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 0000 11 Aug to 0100 11 Aug 10 (UTC)
HgII Release started at 0000 08 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 9.9E+02
(identified as a square)
Minimum: 1.9E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 0000 11 Aug to 0100 11 Aug 10 (UTC)
HgII Release started at 0000 08 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: 4.8E+02
(identified as a square)
Minimum: 1.9E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 0000 11 Aug to 0100 11 Aug 10 (UTC)
HgII Release started at 0000 08 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: 7.7E+01
(identified as a square)
Minimum: 1.9E-04
0000 10 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 0000 11 Aug to 0100 11 Aug 10 (UTC)
HgII Release started at 0000 08 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+01
(identified as a square)
Minimum: 5.7E-06
0000 10 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 0000 11 Aug to 0100 11 Aug 10 (UTC)
HgII Release started at 0000 08 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+01
(identified as a square)
Minimum: 1.0E-07
0000 10 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 0000 11 Aug to 0100 11 Aug 10 (UTC)
HgII Release started at 0000 08 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: 2.0E-09
0000 10 Aug 10 NAMS FORECAST INITIALIZATION