HYSPLIT-based forecast product for the Grand Bay Intensive

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 one starting at each point in a grid 1 deg lat/long 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 meteorological 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" and so the heights above the ground at any given location are influenced by the terrain height at that location.

Meteorological Data Contours (pages 26-37)

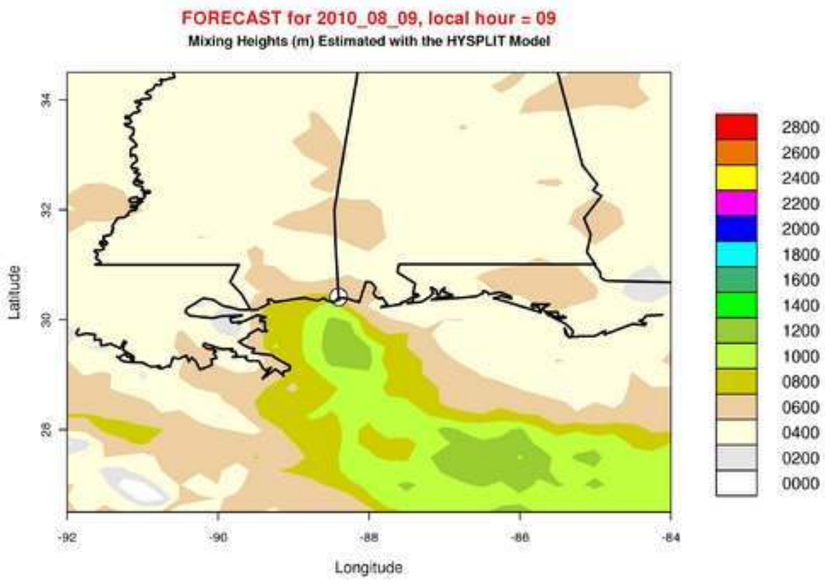
- One page for each local hour from 9 AM to 8 PM
- Image in upper left corner and upper middle are the mixing height (same map as shown on Trajectory pages). The two maps are slightly different due do differing interpolation procedures
- The map in the upper right corner is forecast precipitation, shown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

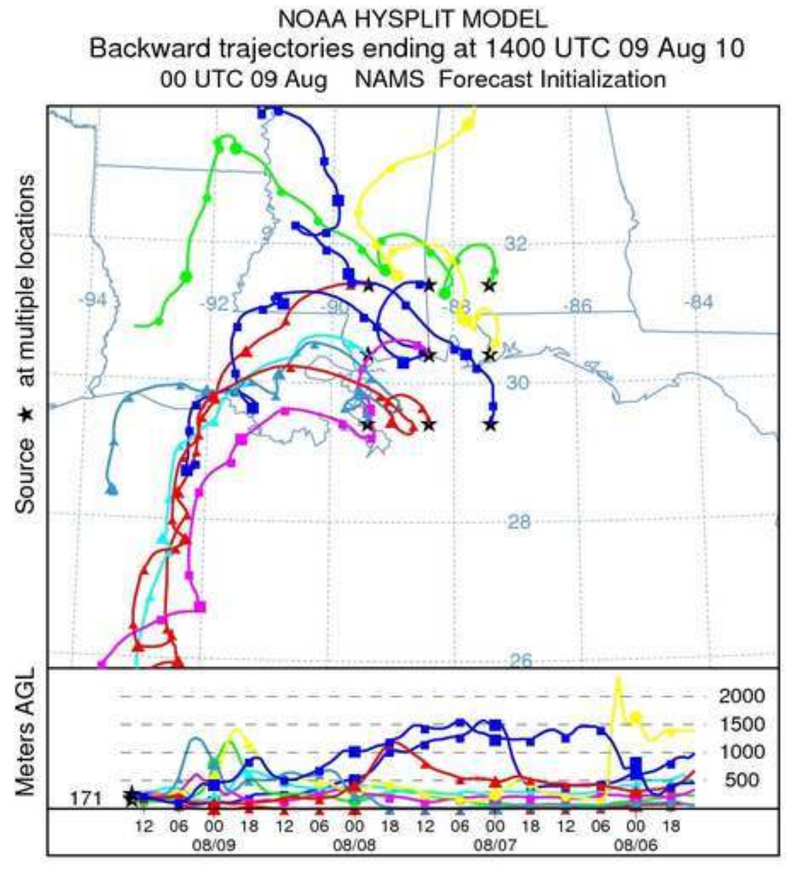
Meteorological Data for Grand Bay NERR (pages 38-50)

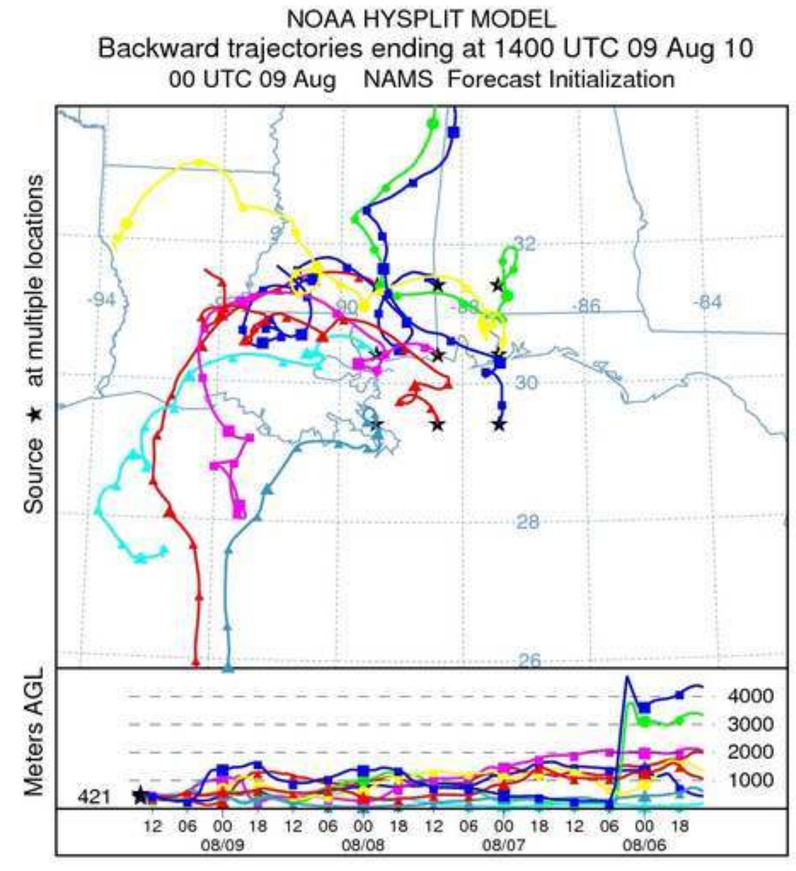
- Page 38 is description of data that are shown
- Then, one page for each local hour from 9 AM to 8 PM
- Each page shows the meteorological data at the surface and at each level of the gridded, forecast meteorological data set.
- Note that on these pages and throughout, times are expressed in UTC (Universal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

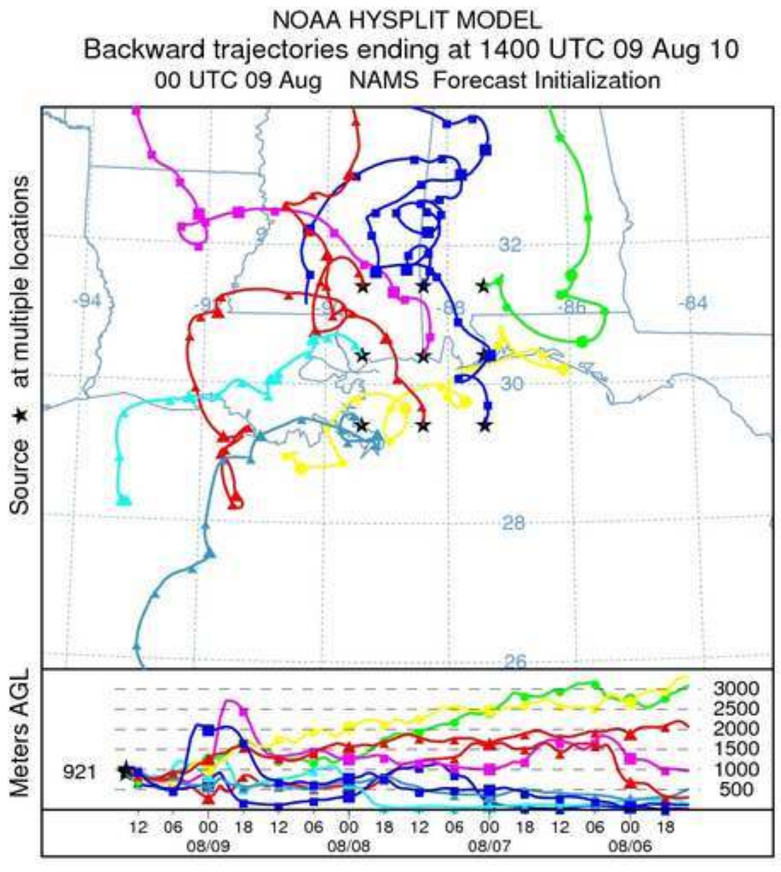
RGM Plumes from Large Regional Sources (pages 51-63)

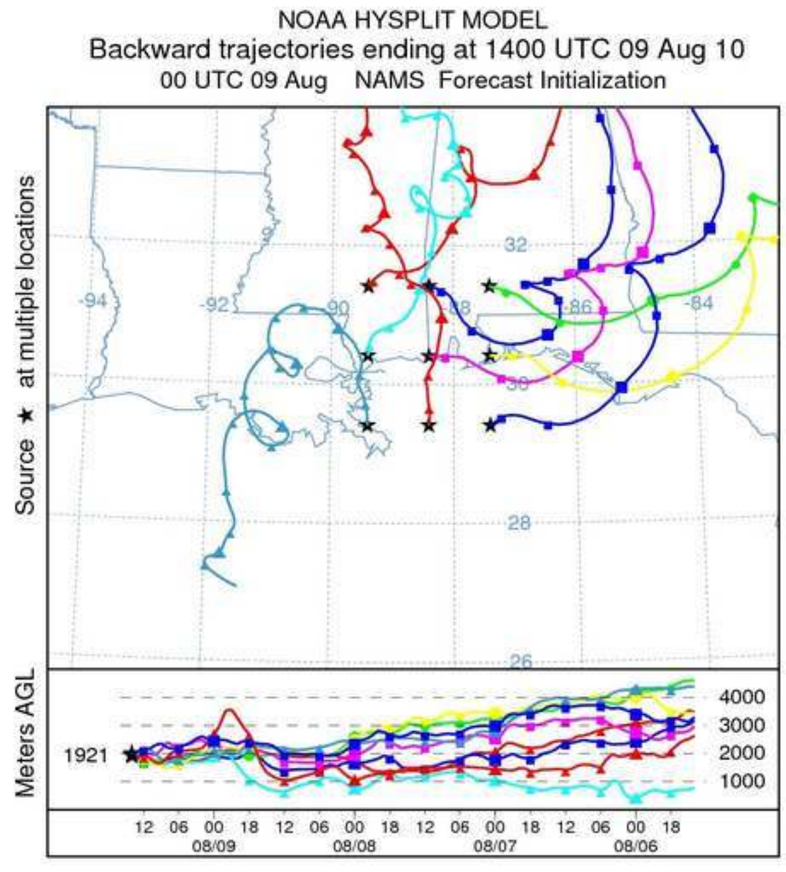
- Page 51 shows a map of some of the large sources in the region; as stated on map, some of the sources are no longer emitting. These sources were not included in these simulations.
- One page for each local hour from 9 AM to 8 PM; each page shows model-estimated RGM concentrations for six different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

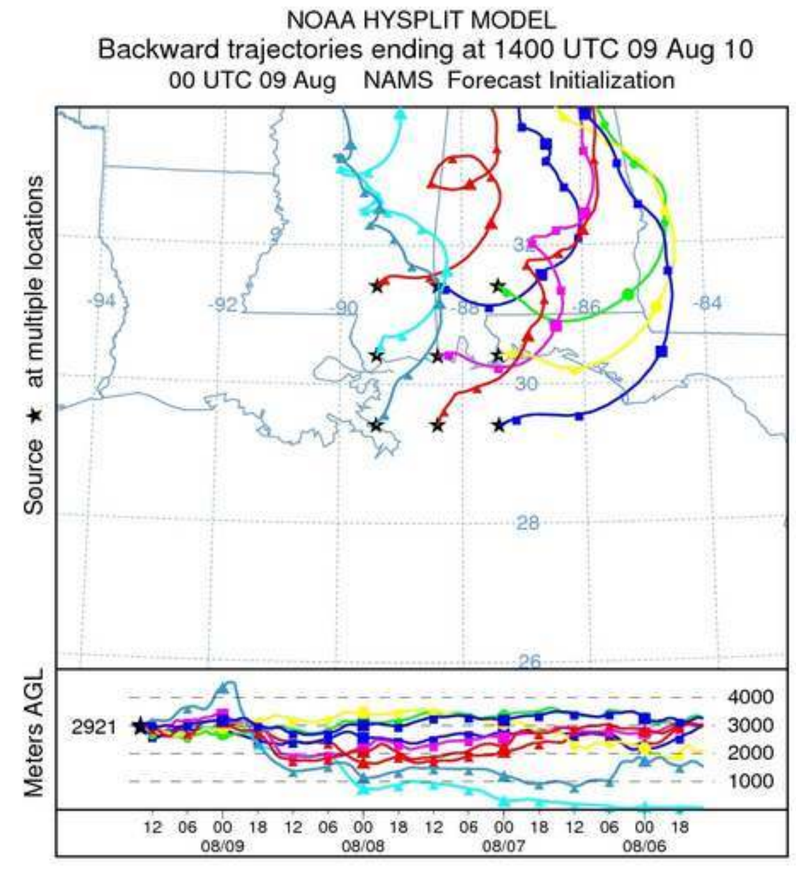

FORECAST for 2010_08_09, local hour = 09
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

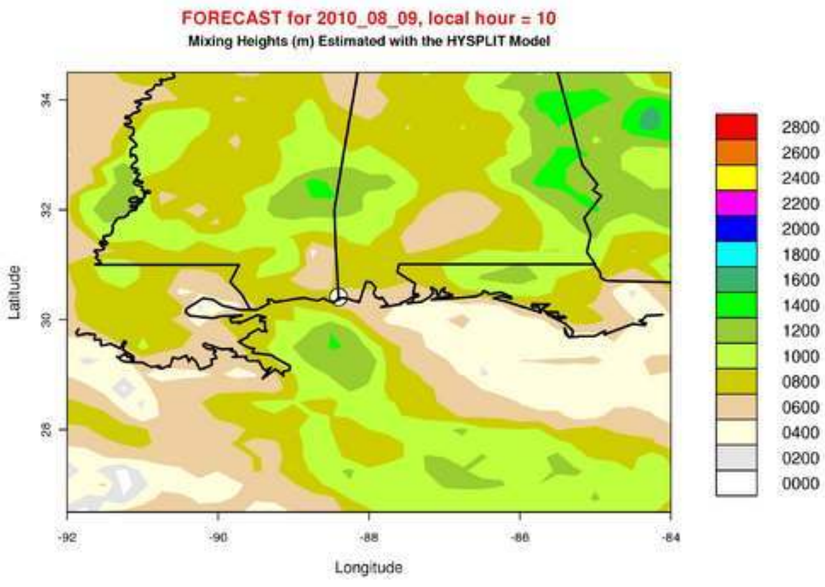

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
2000
1500
1000
500
08/09
08/08
08/07
08/06

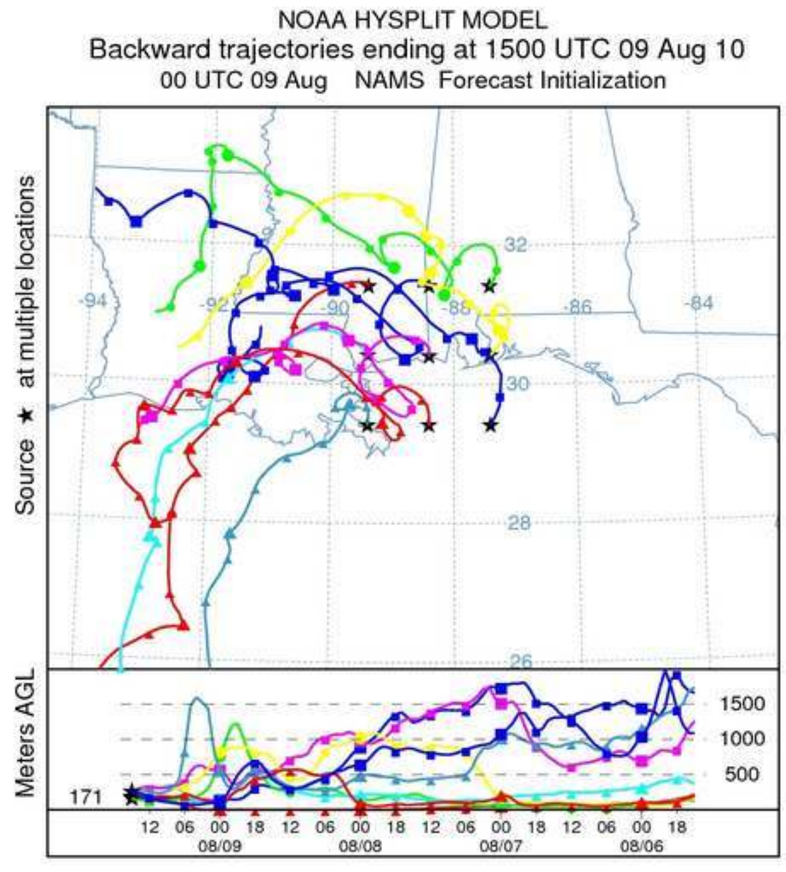

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
4000
3000
2000
1000
08/09
08/08
08/07
08/06

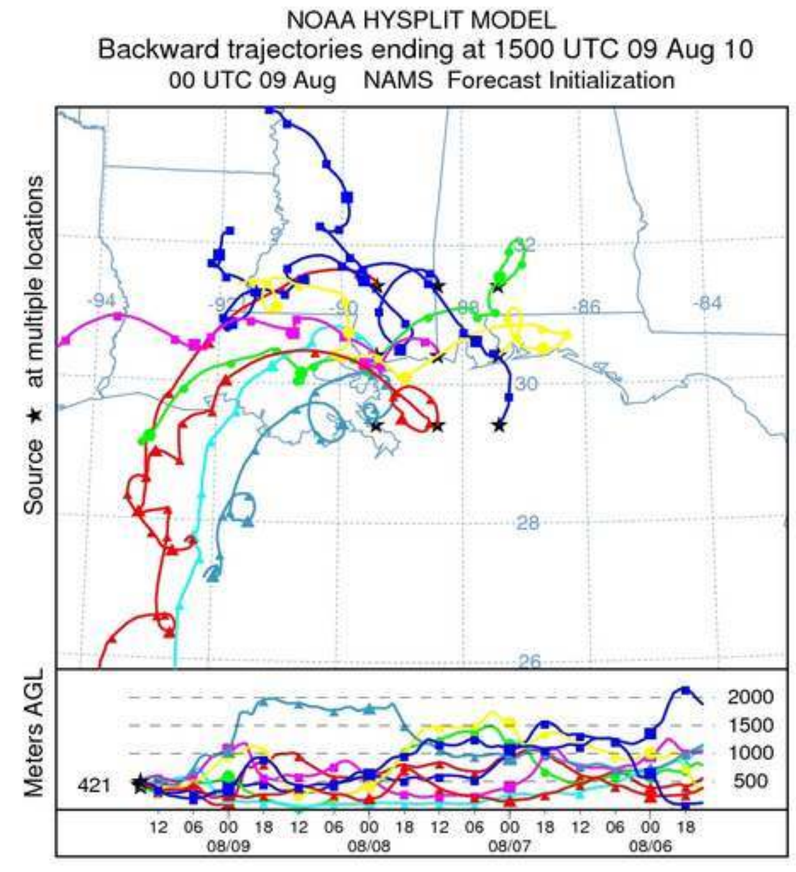

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3000
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06


NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
4000
3000
2000
1000
08/09
08/08
08/07
08/06


NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4000
3000
2000
1000
08/09
08/08
08/07
08/06


FORECAST for 2010_08_09, 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


NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
1500
1000
500
08/09
08/08
08/07
08/06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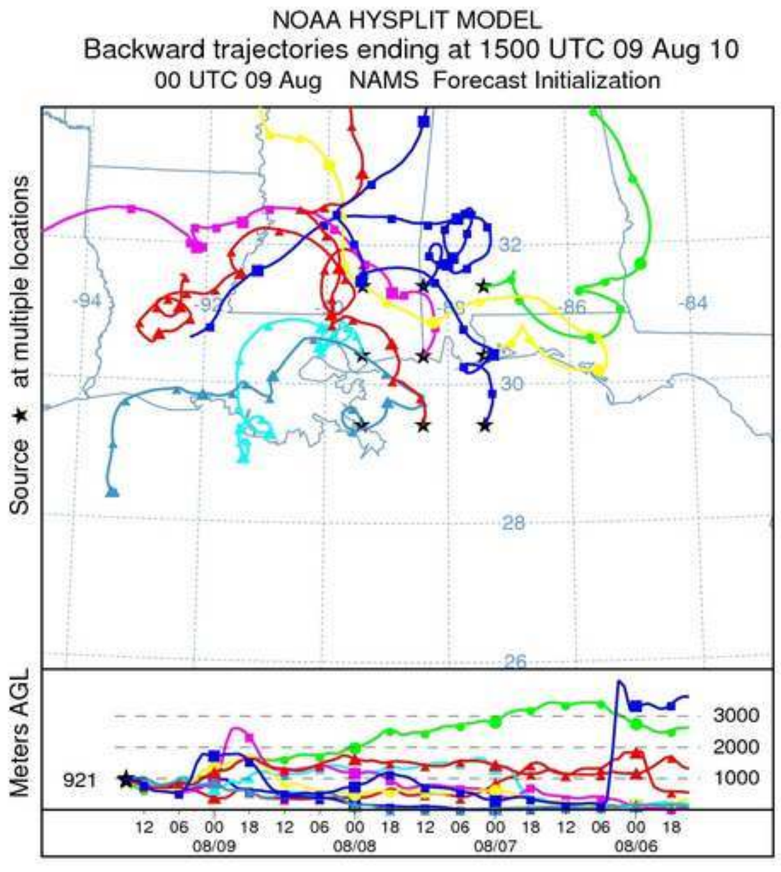
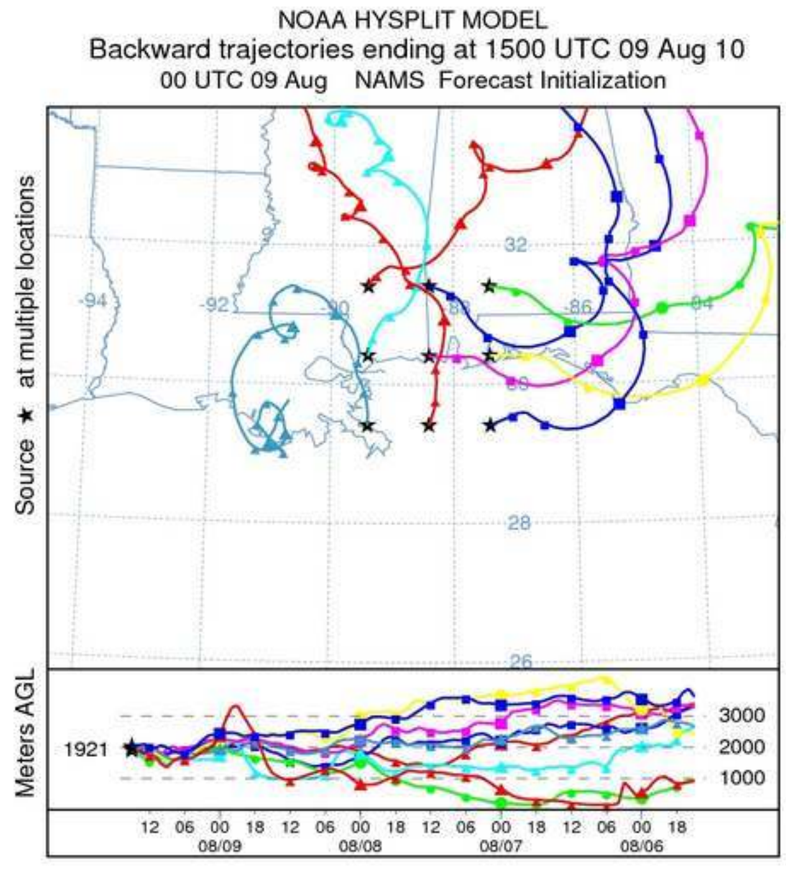
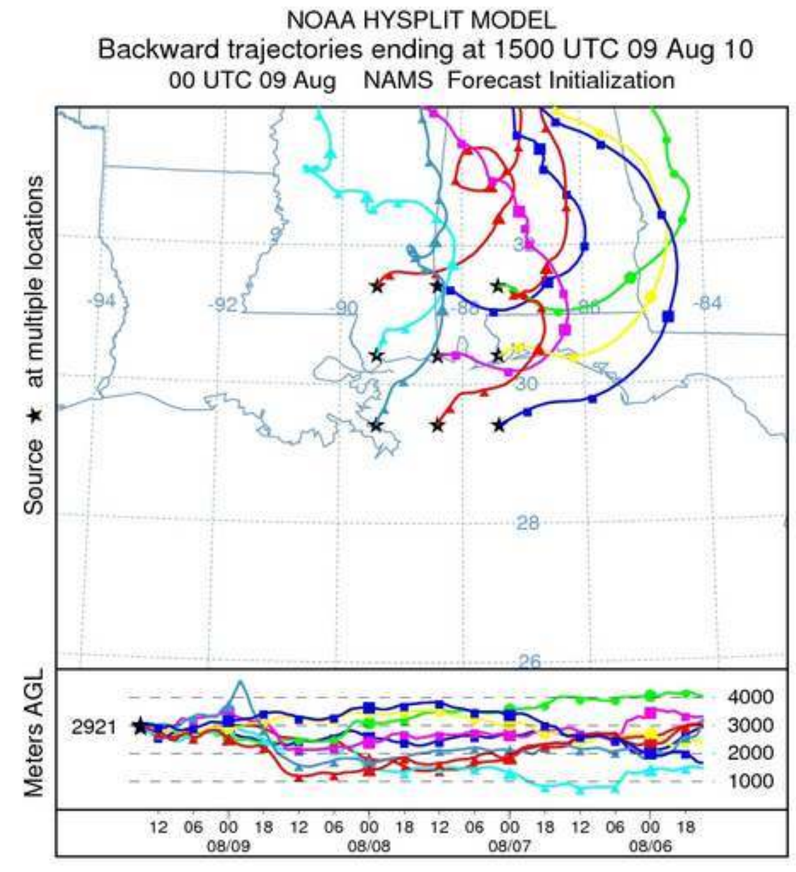
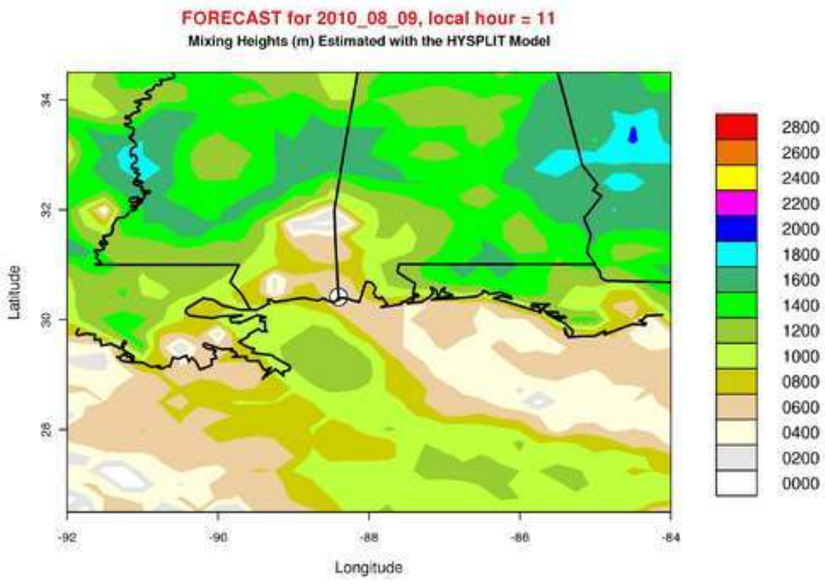
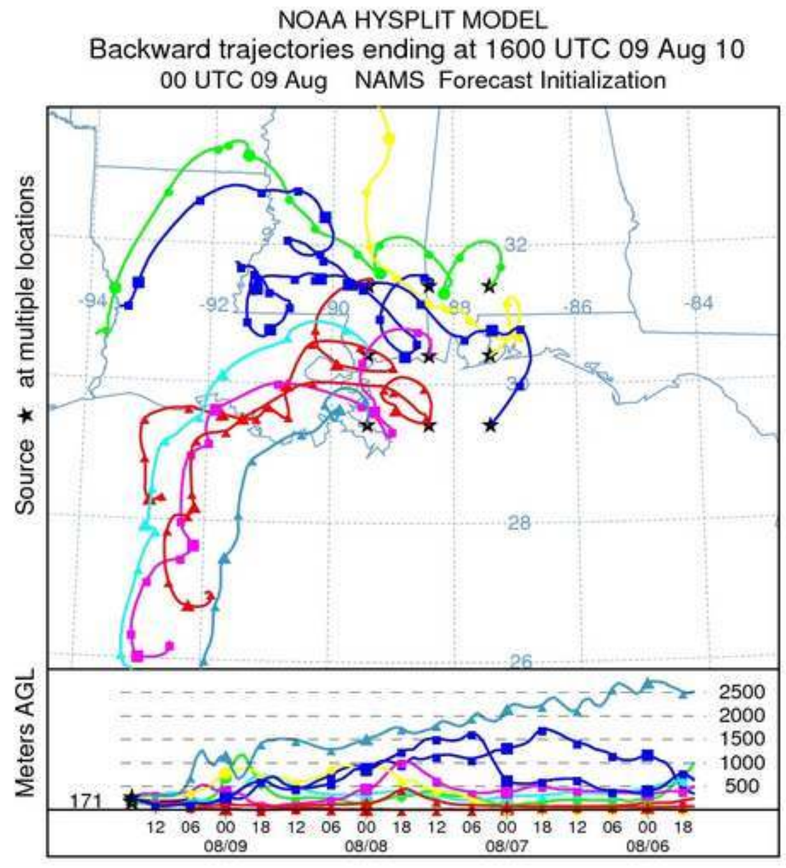
Backward trajectories ending at 1500 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
2000
1500
1000
500
08/09
08/08
08/07
08/06

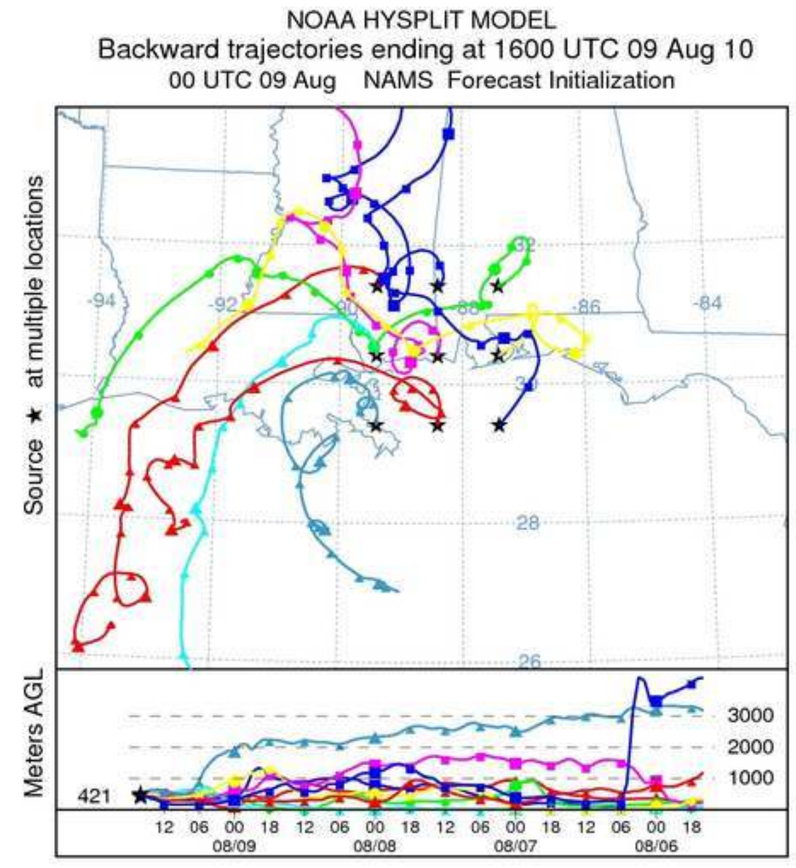

NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3000
2000
1000
08/09
08/08
08/07
08/06

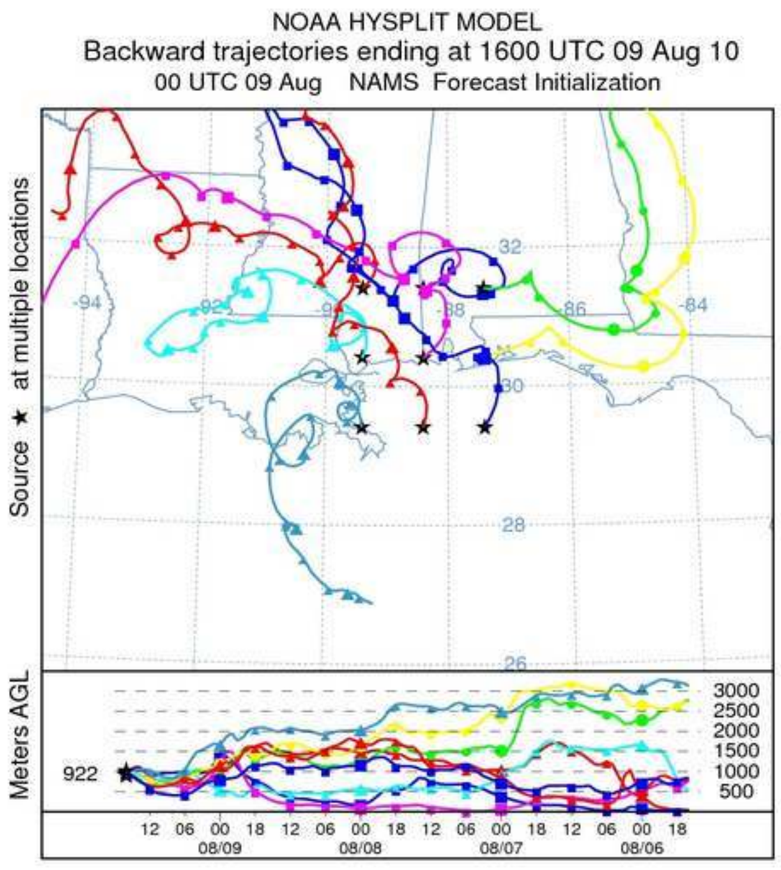

NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2000
1000
08/09
08/08
08/07
08/06

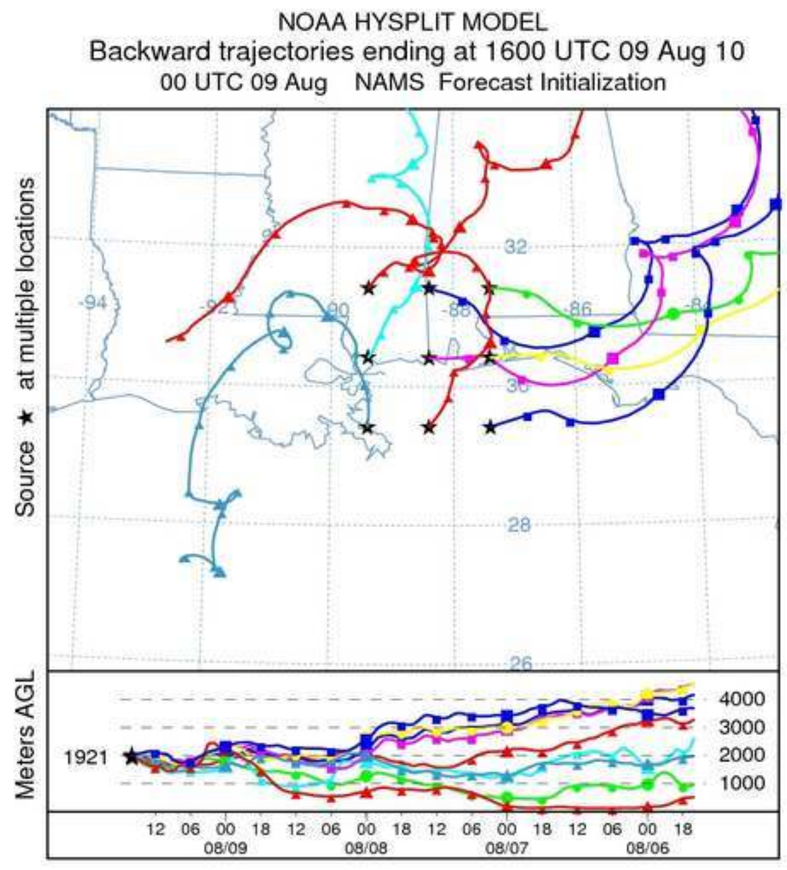

NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4000
3000
2000
1000
08/09
08/08
08/07
08/06

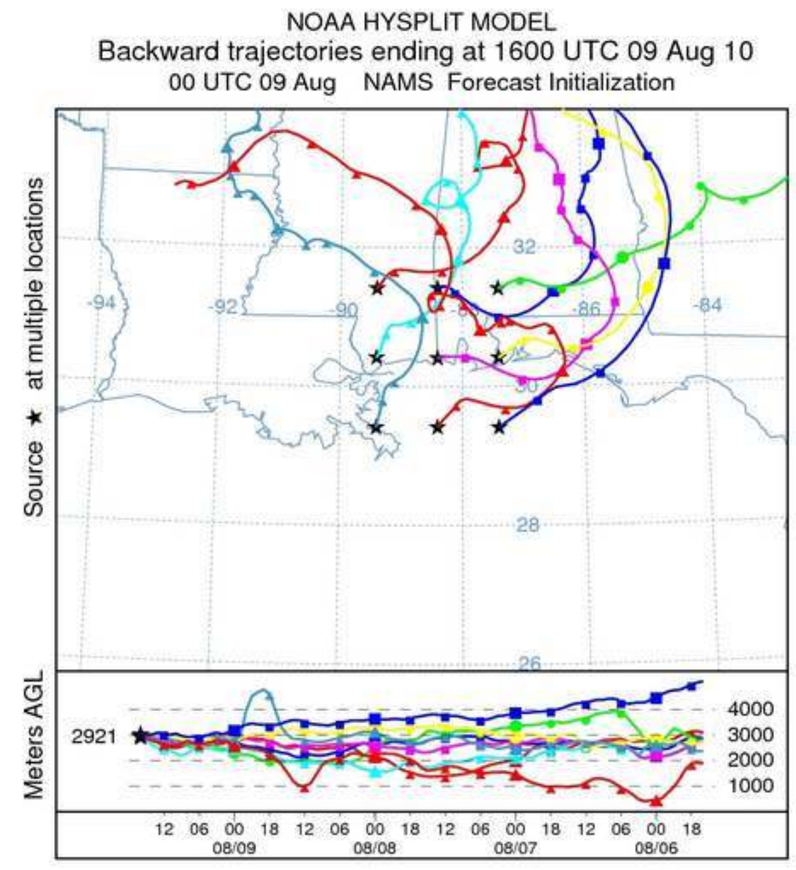

FORECAST for 2010_08_09, local hour = 11
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

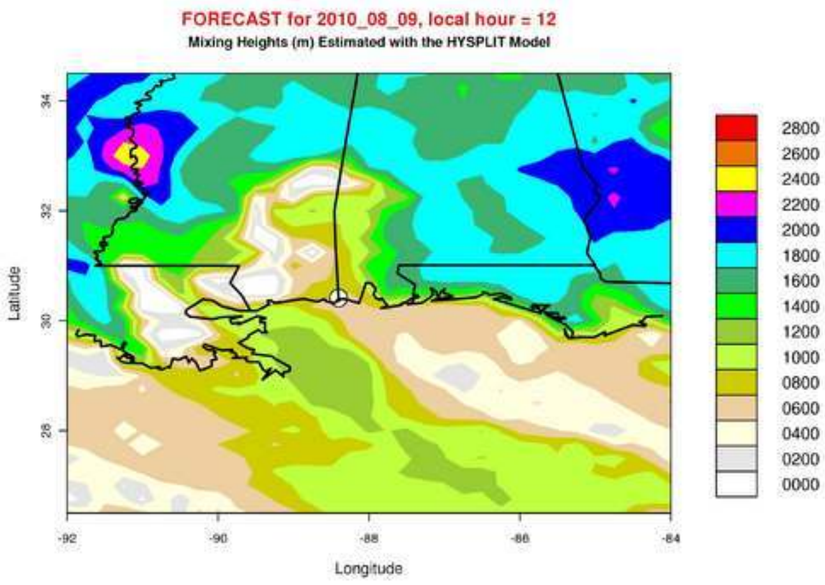

NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

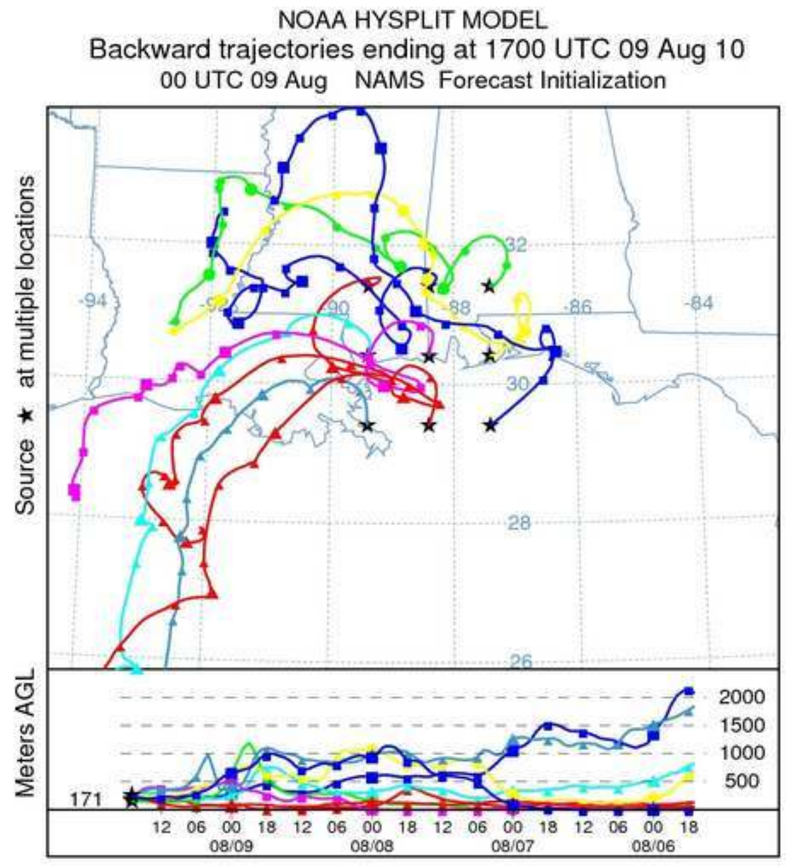

NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
3000
2000
1000
08/09
08/08
08/07
08/06

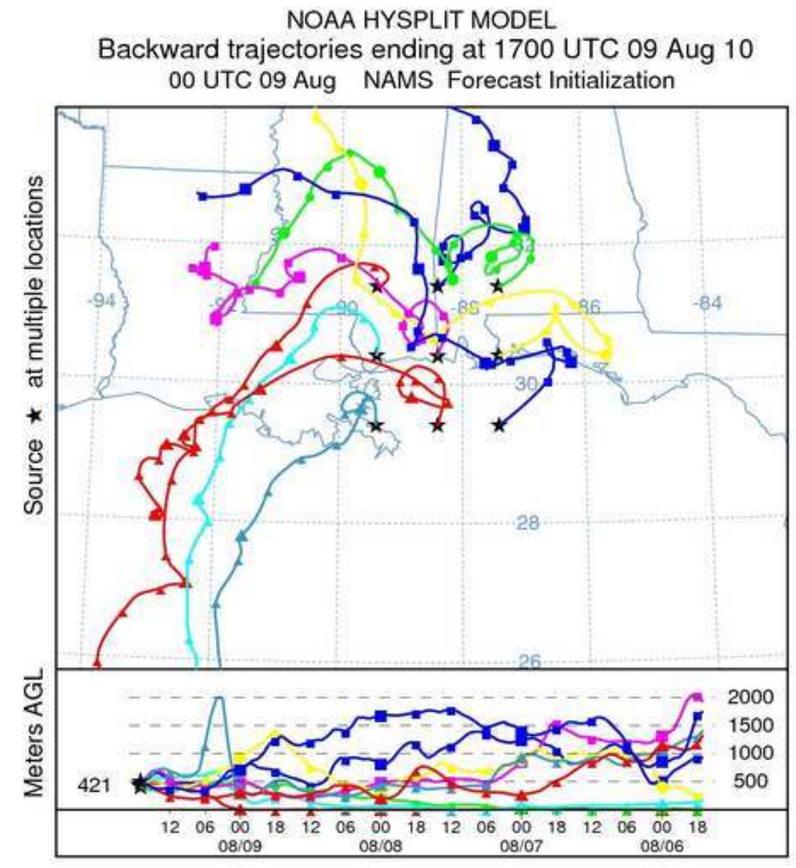

NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
922
3000
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

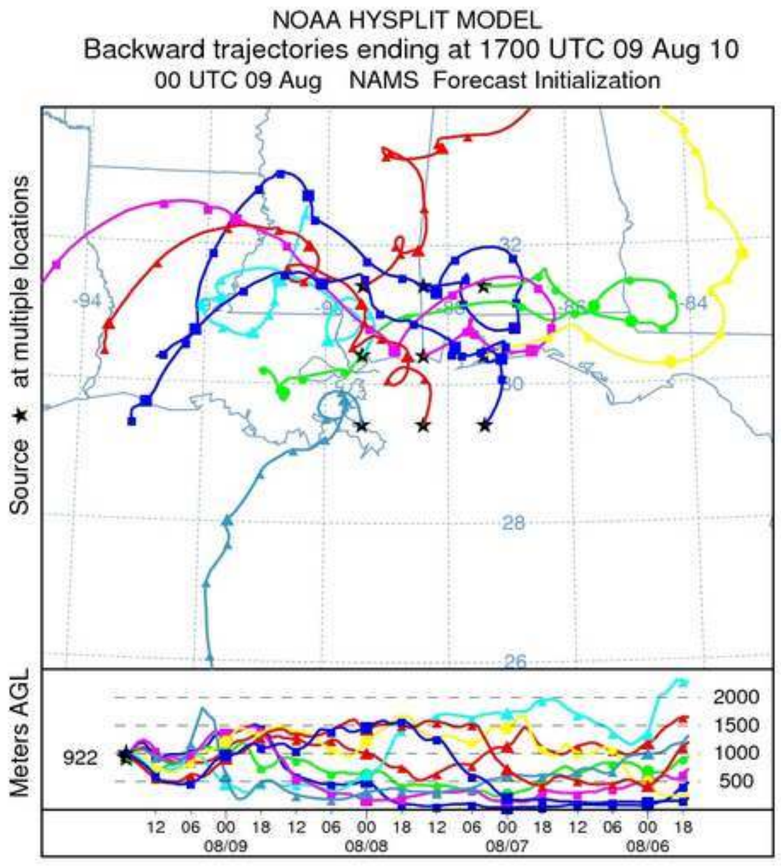

NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
4000
3000
2000
1000
08/09
08/08
08/07
08/06

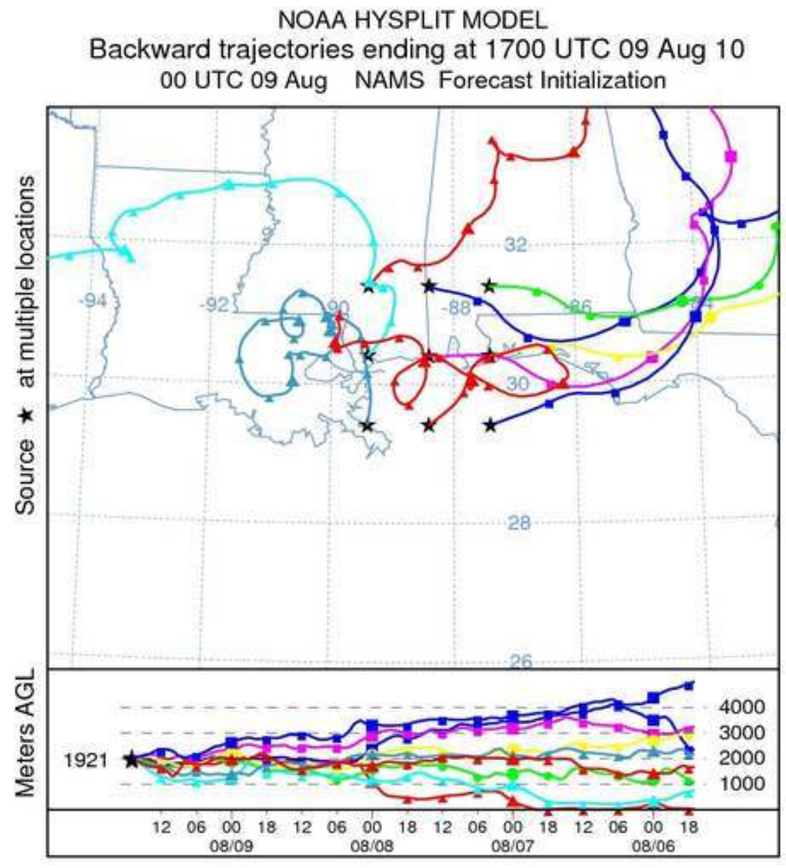

NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4000
3000
2000
1000
08/09
08/08
08/07
08/06

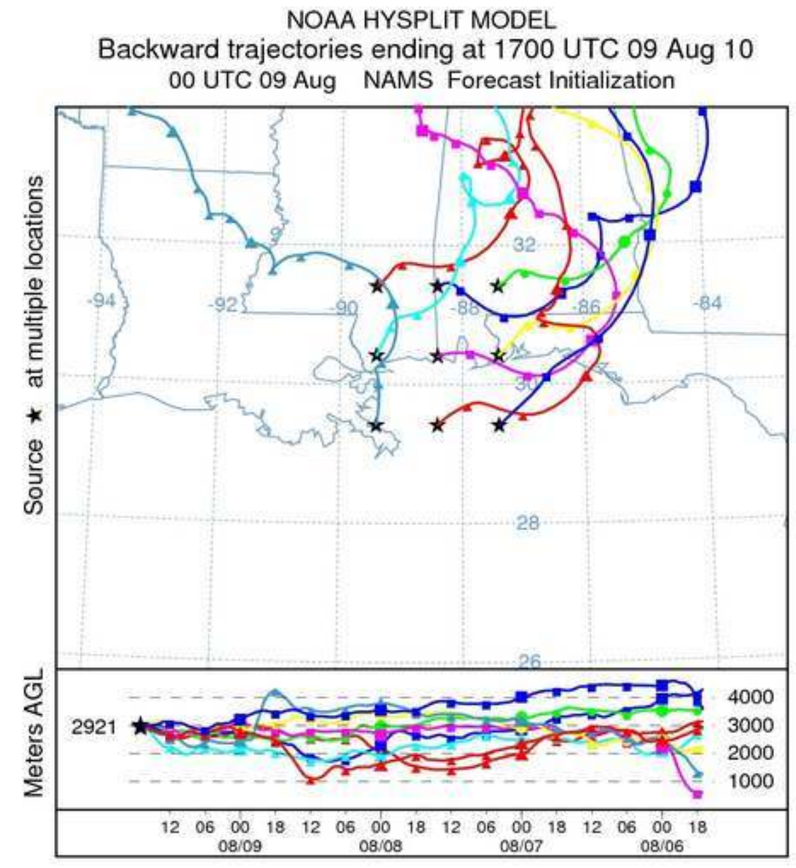

FORECAST for 2010_08_09, local hour = 12
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

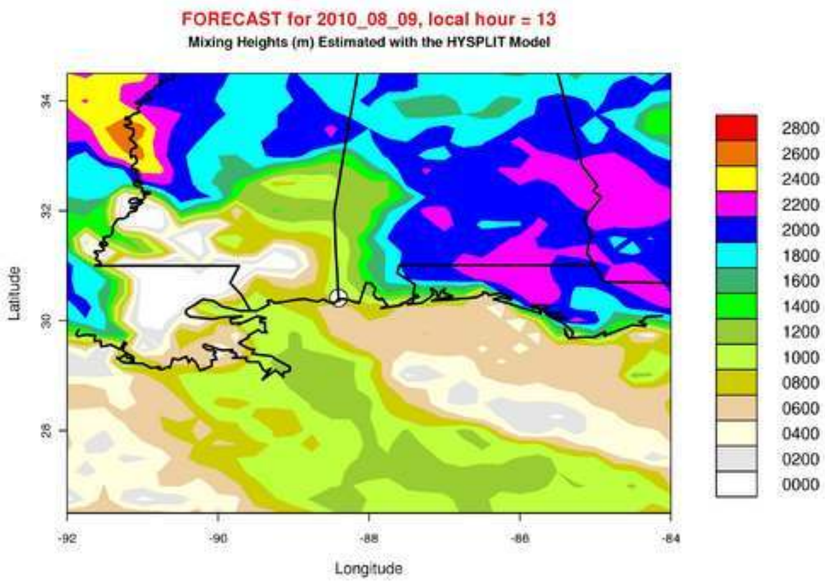

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
2000
1500
1000
500
08/09
08/08
08/07
08/06

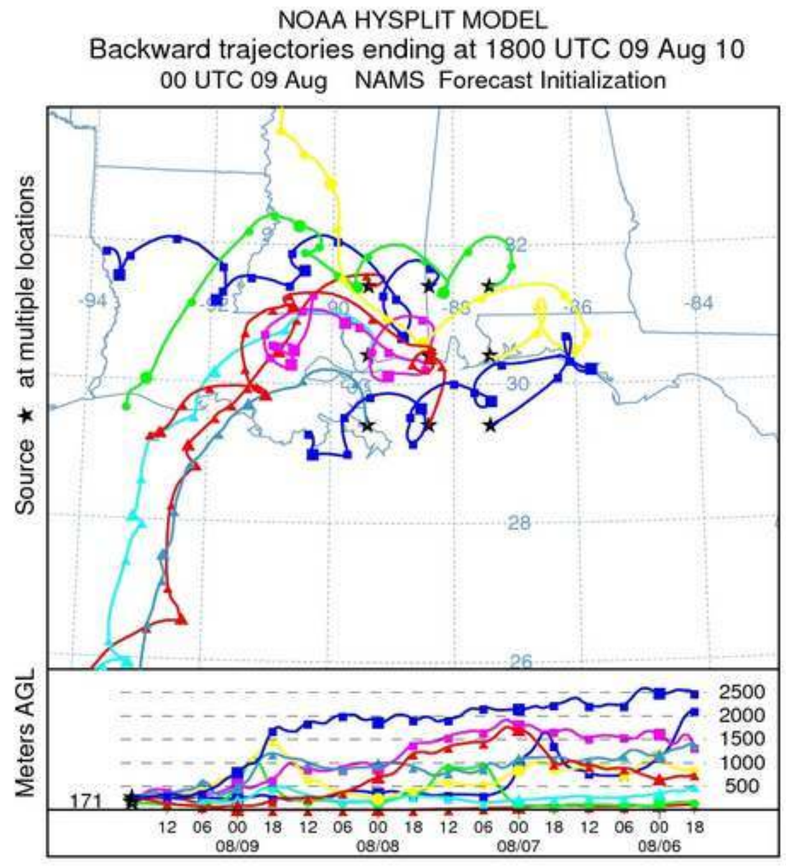

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
2000
1500
1000
500
08/09
08/08
08/07
08/06

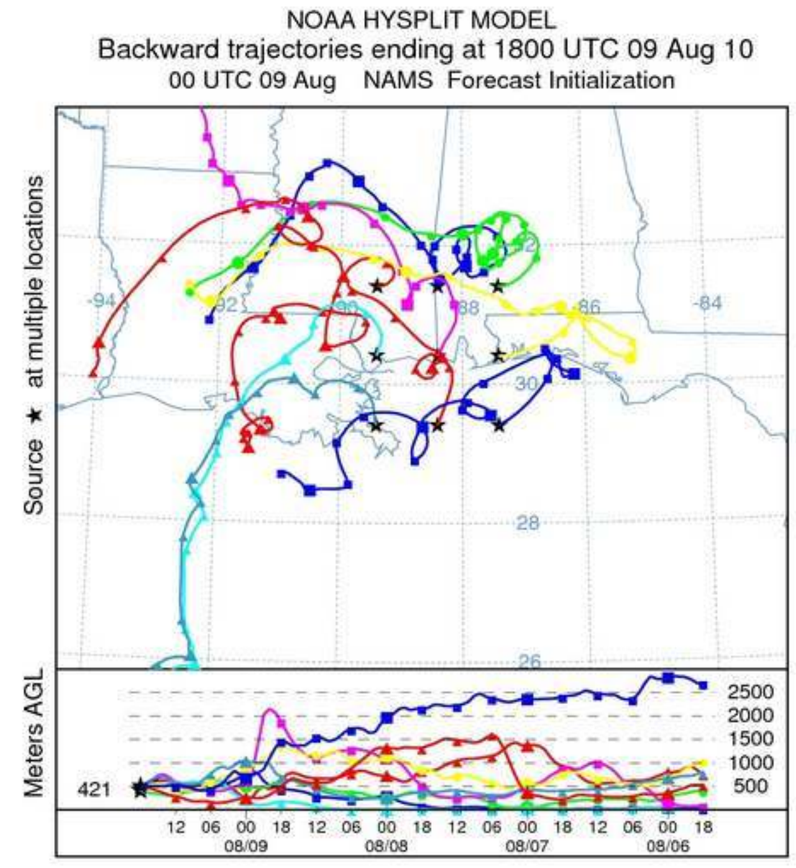

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
922
2000
1500
1000
500
08/09
08/08
08/07
08/06

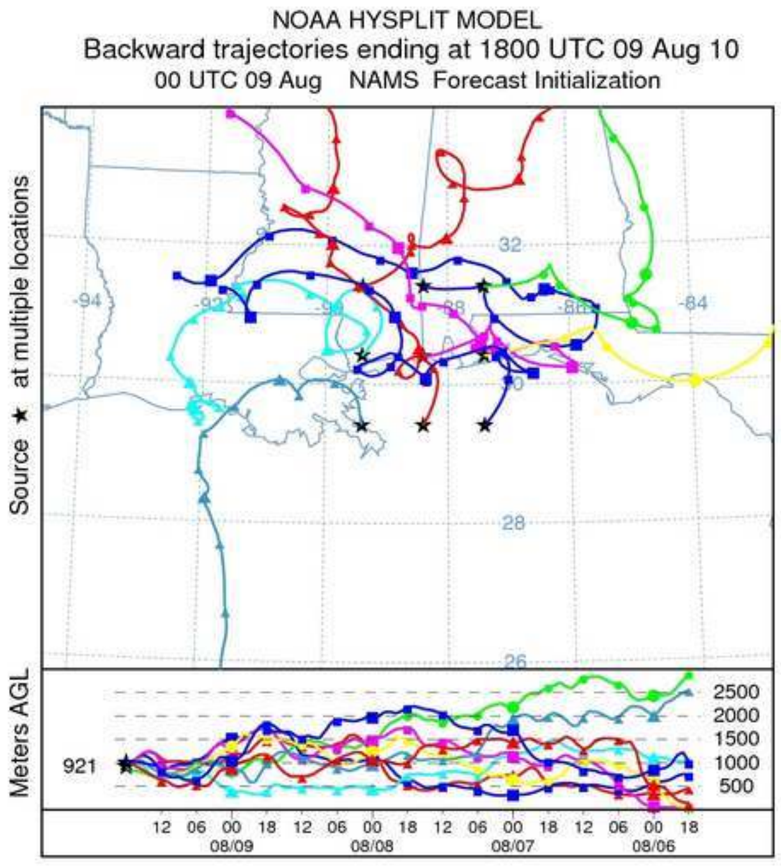

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
4000
3000
2000
1000
08/09
08/08
08/07
08/06

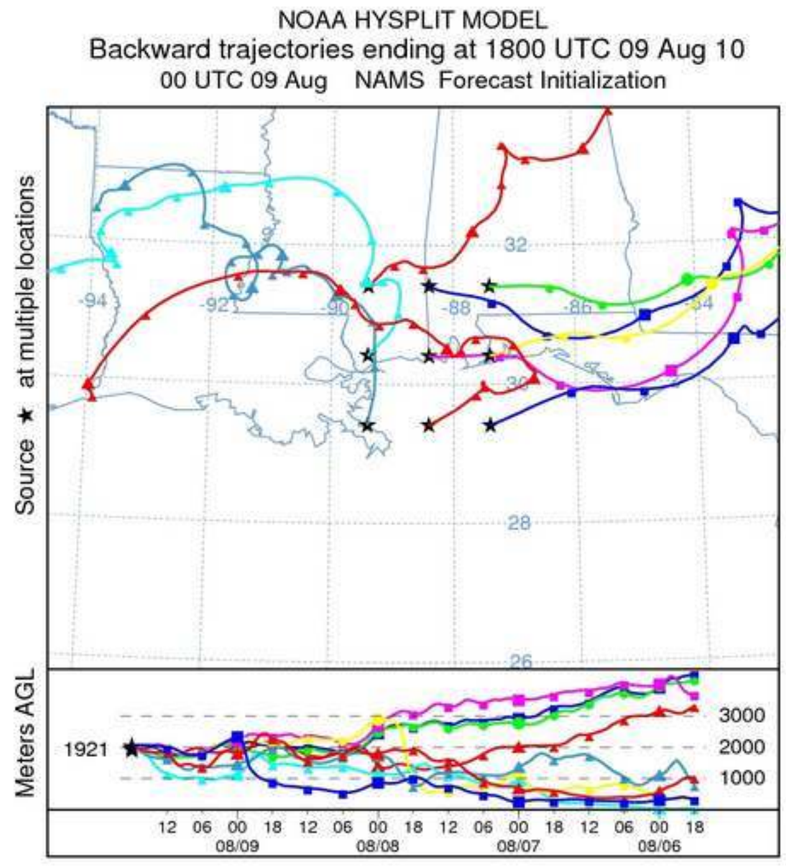

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4000
3000
2000
1000
08/09
08/08
08/07
08/06

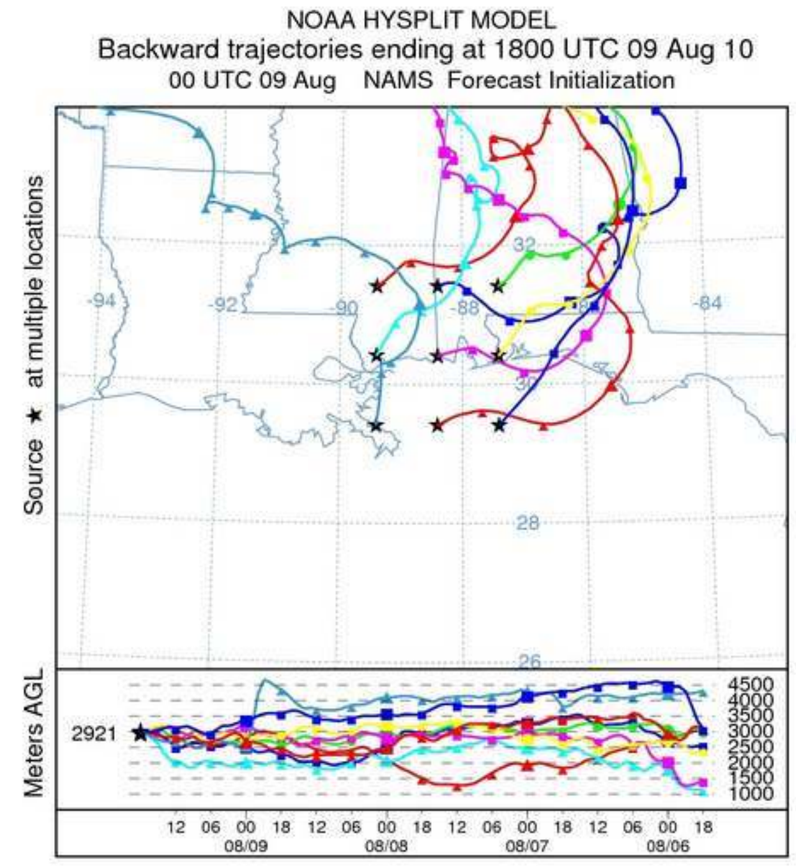

FORECAST for 2010_08_09, local hour = 13
Mixing Heights (m) Estimated with the HYSPLIT Model
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000
Latitude
Longitude

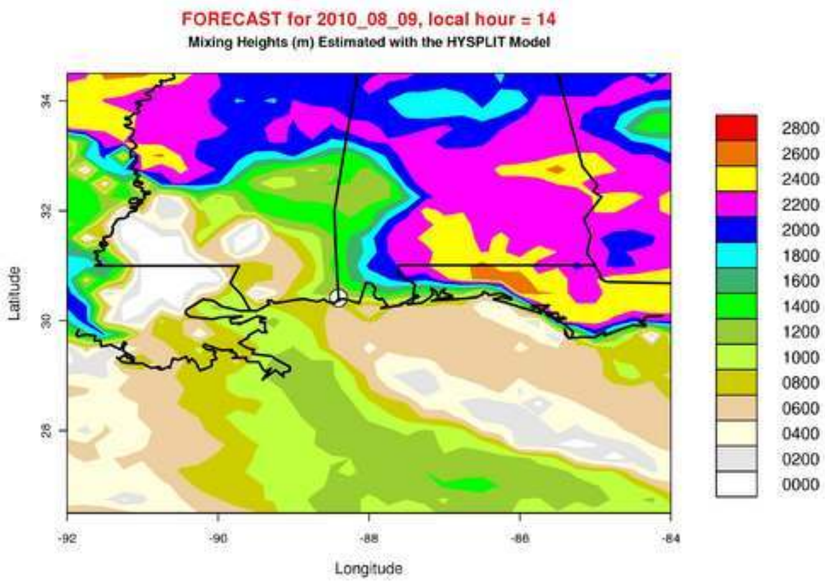

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

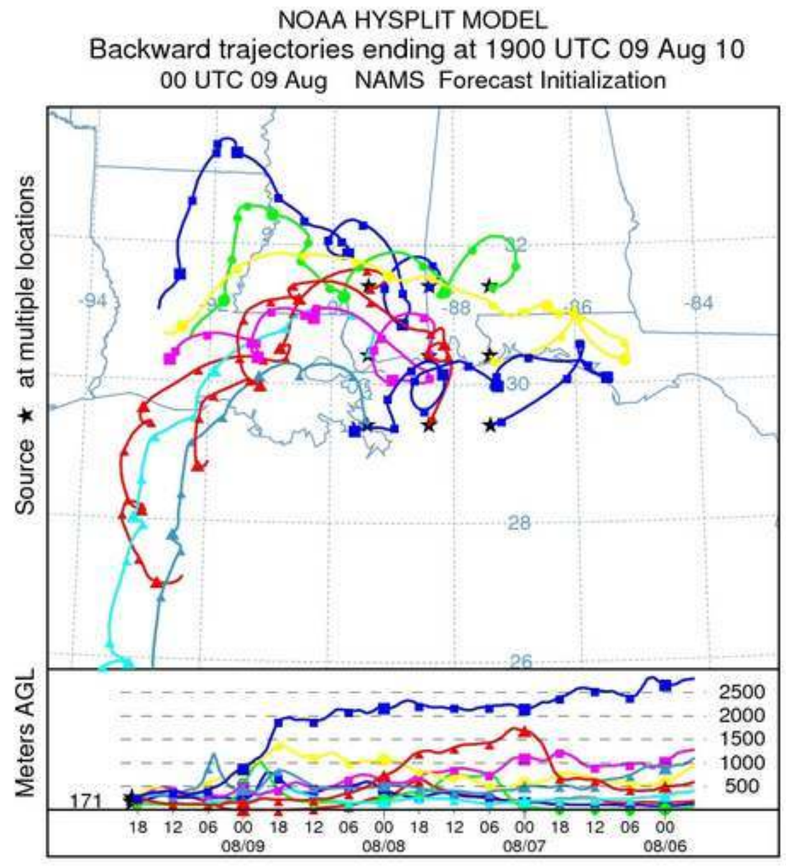

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

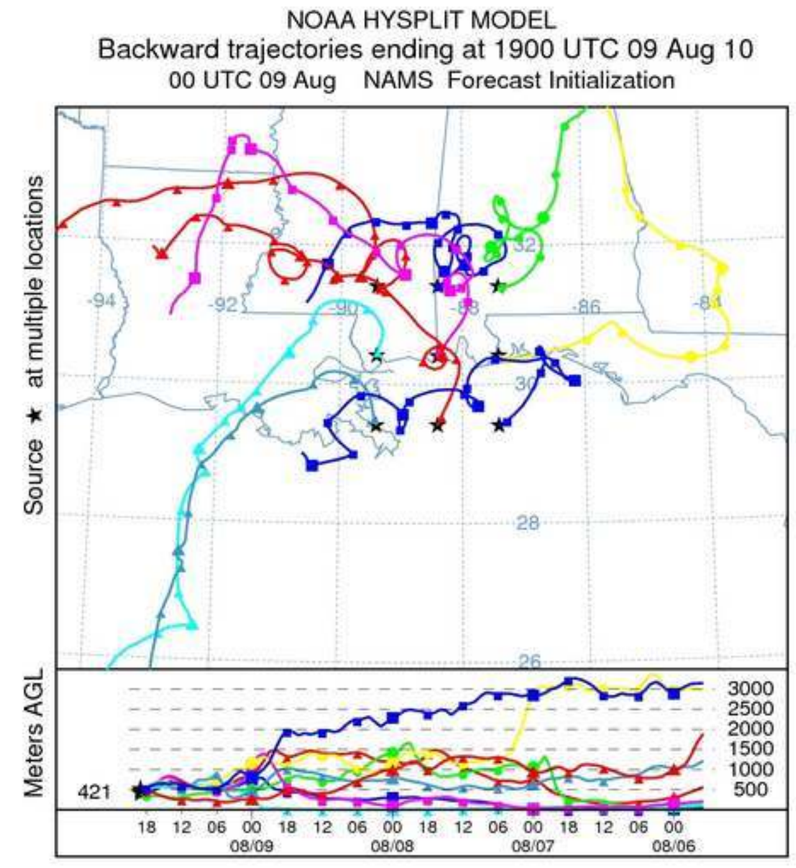

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

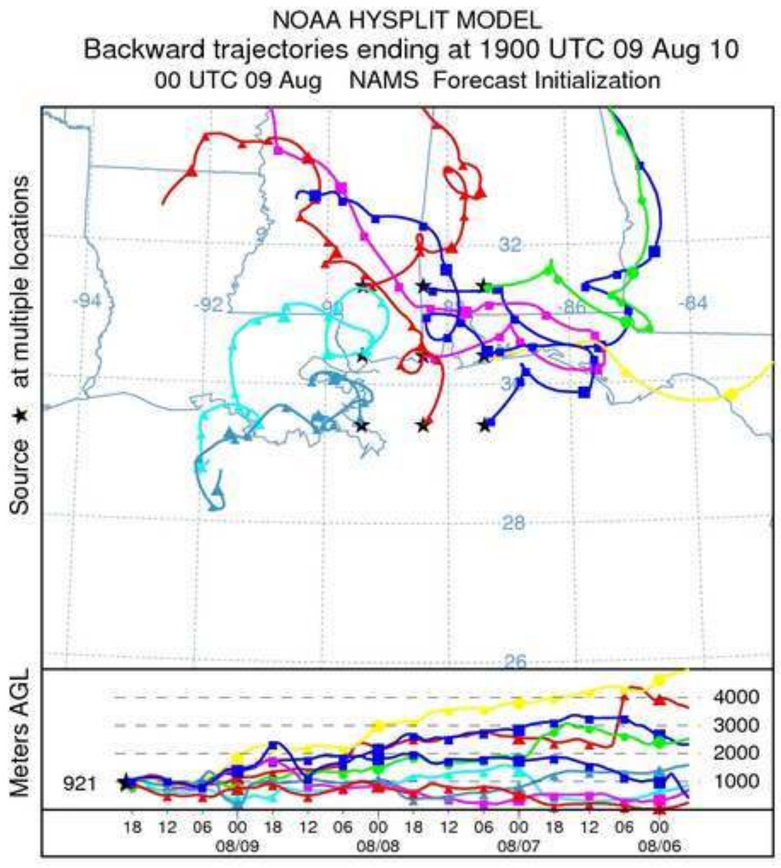

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2000
1000
08/09
08/08
08/07
08/06

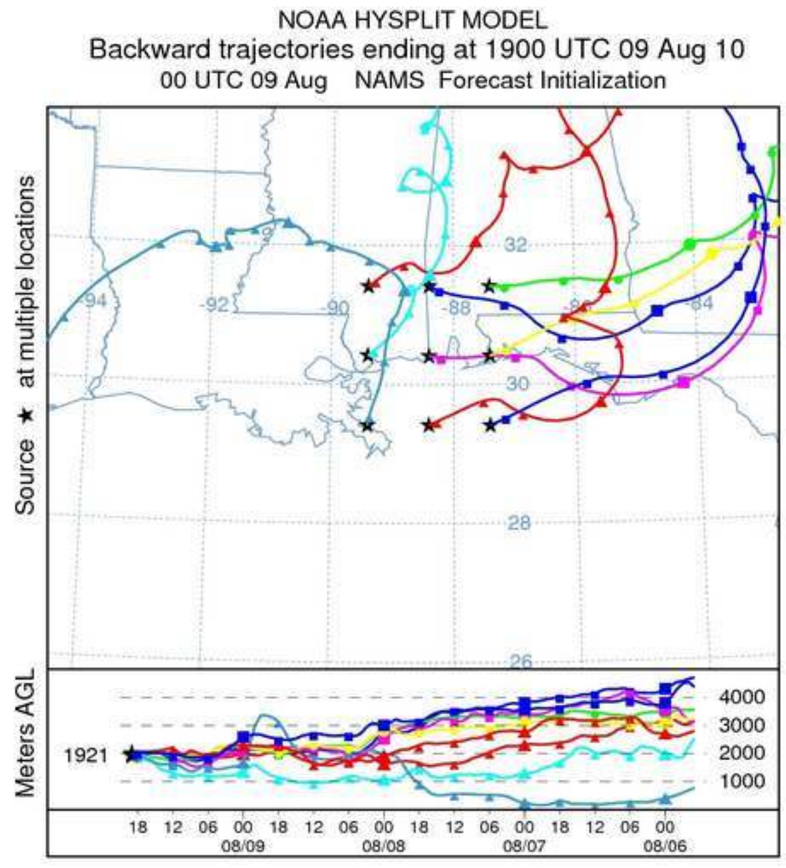

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4500
4000
3500
3000
2500
2000
1500
1000
08/09
08/08
08/07
08/06

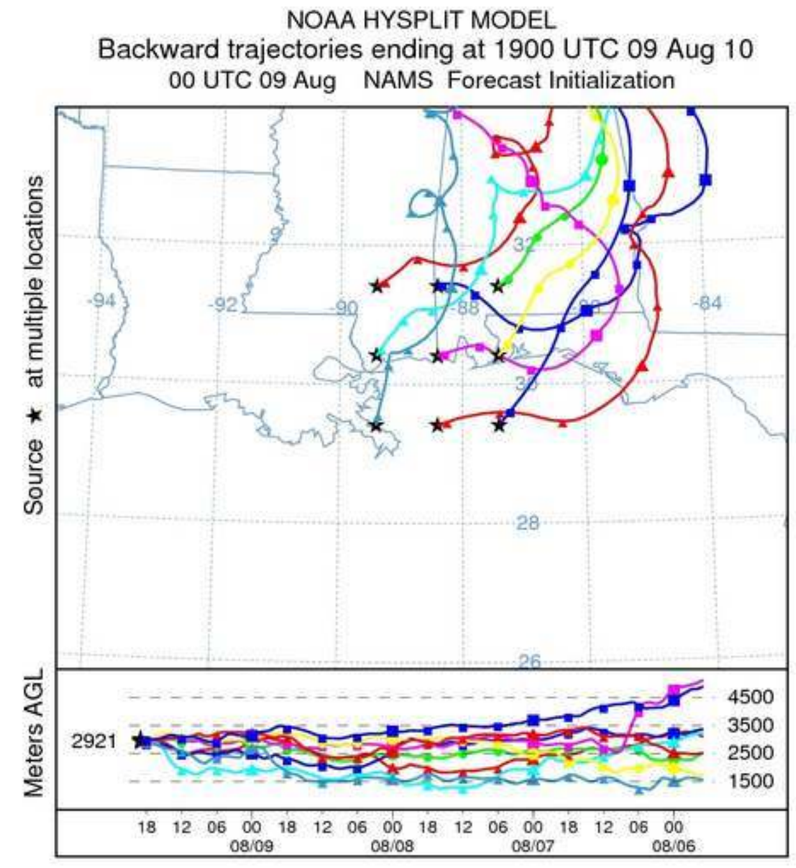

FORECAST for 2010_08_09, local hour = 14
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

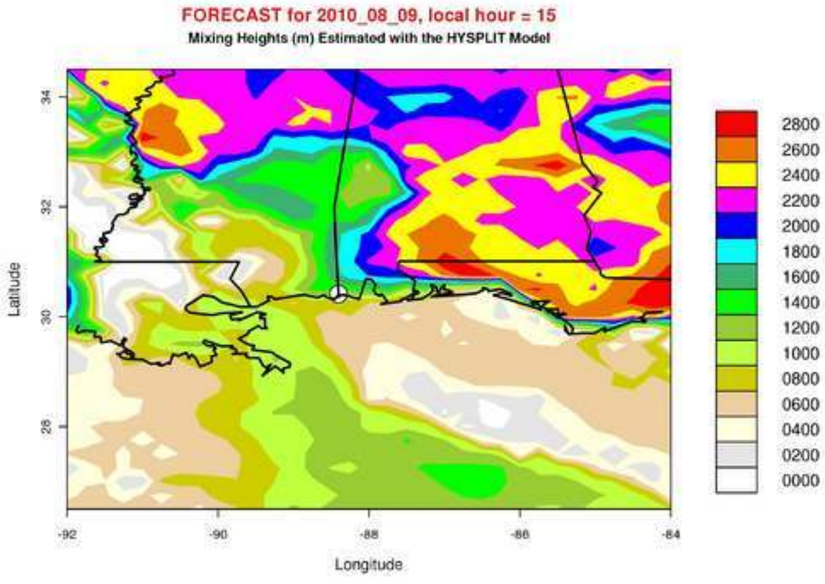

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

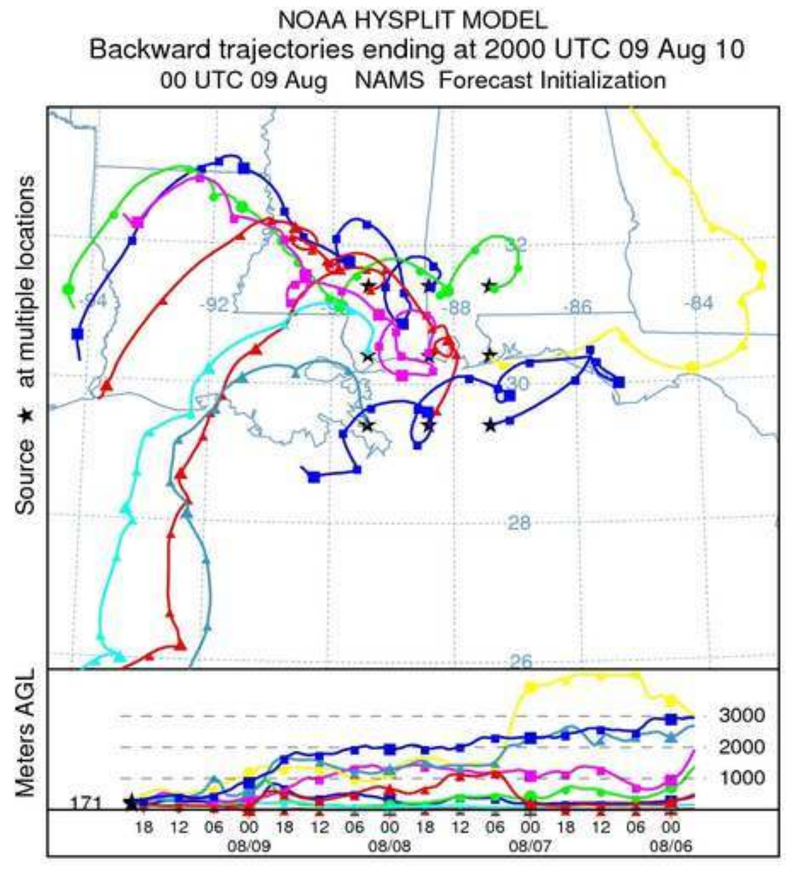

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
3000
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

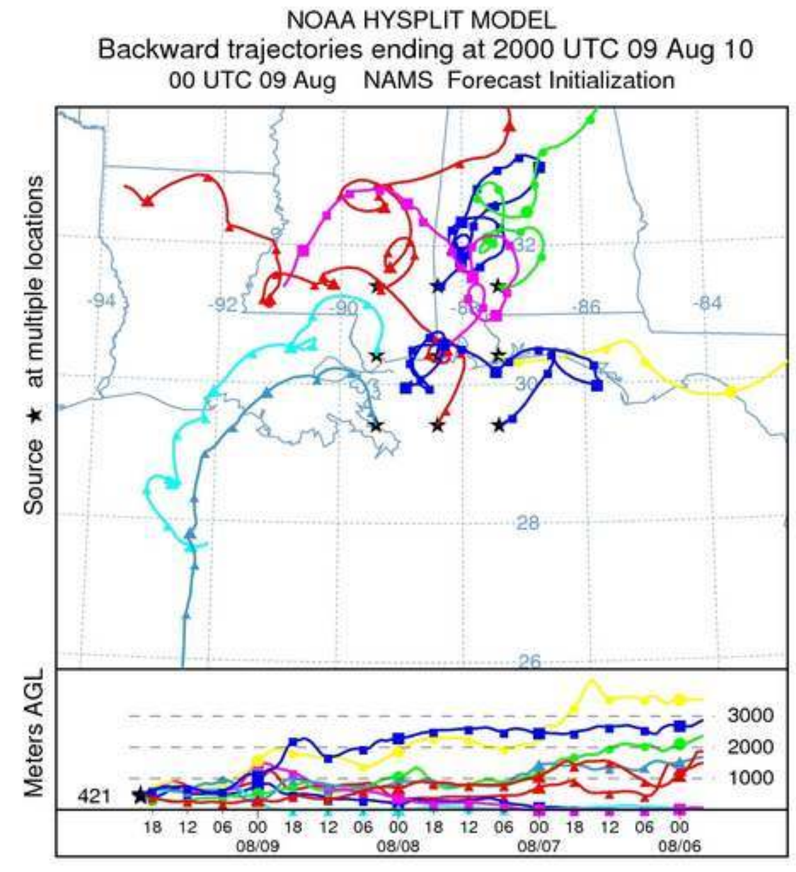

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
4000
3000
2000
1000
08/09
08/08
08/07
08/06

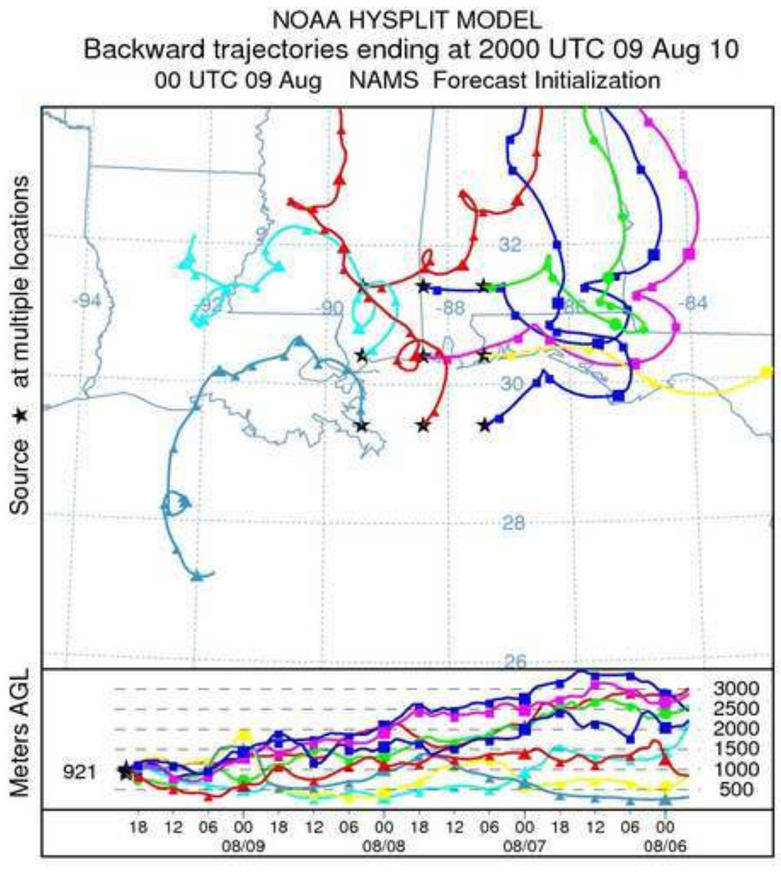

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
4000
3000
2000
1000
08/09
08/08
08/07
08/06

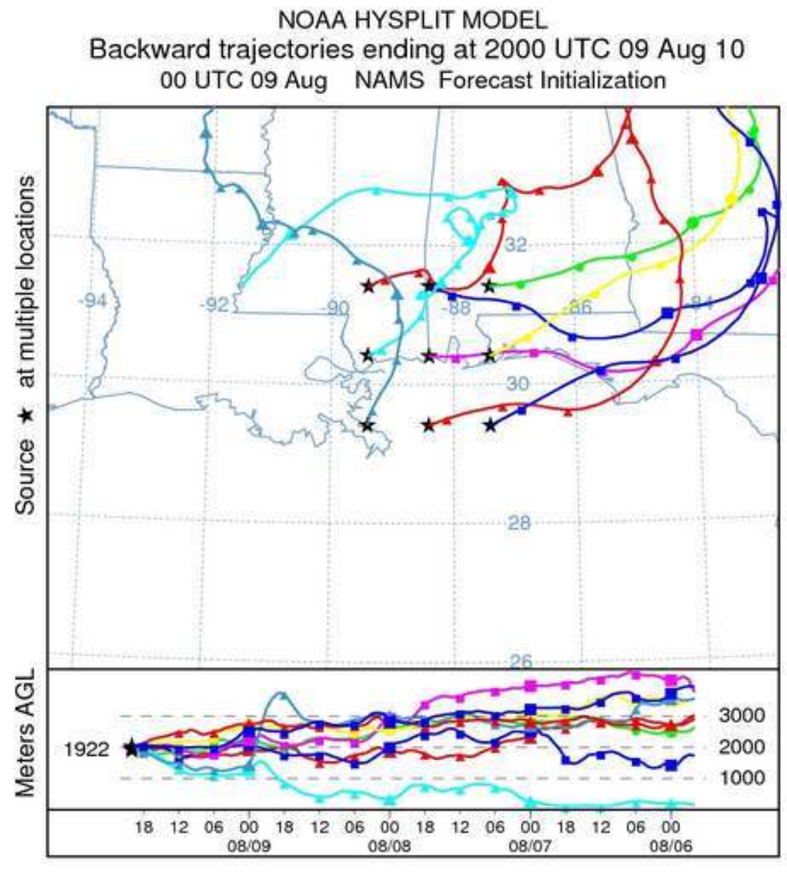

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4500
3500
2500
1500
08/09
08/08
08/07
08/06

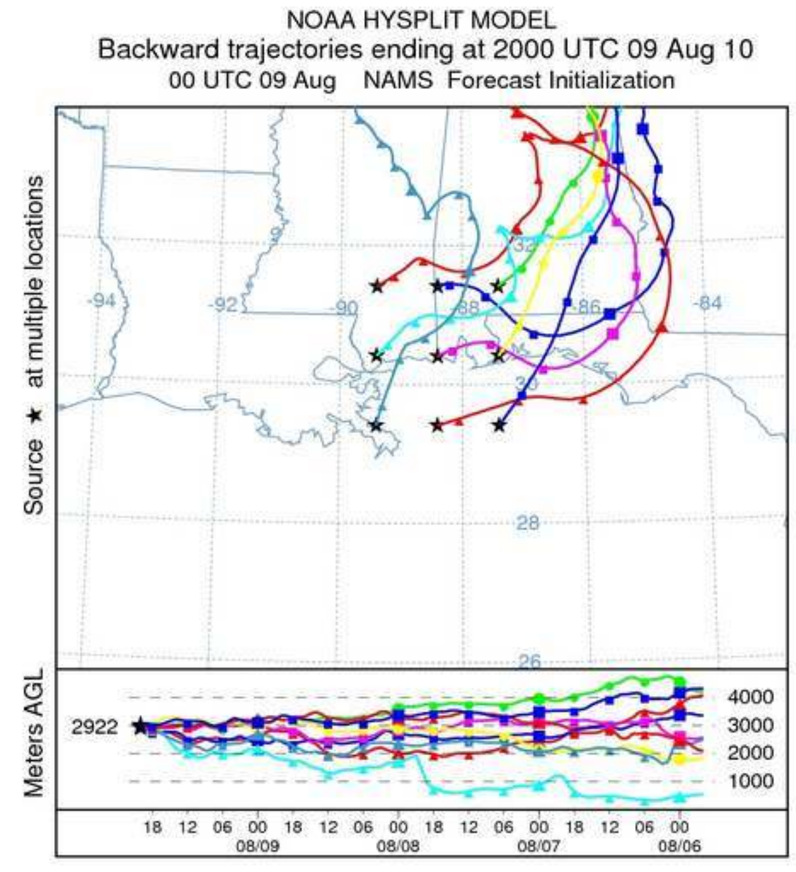

FORECAST for 2010_08_09, local hour = 15
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

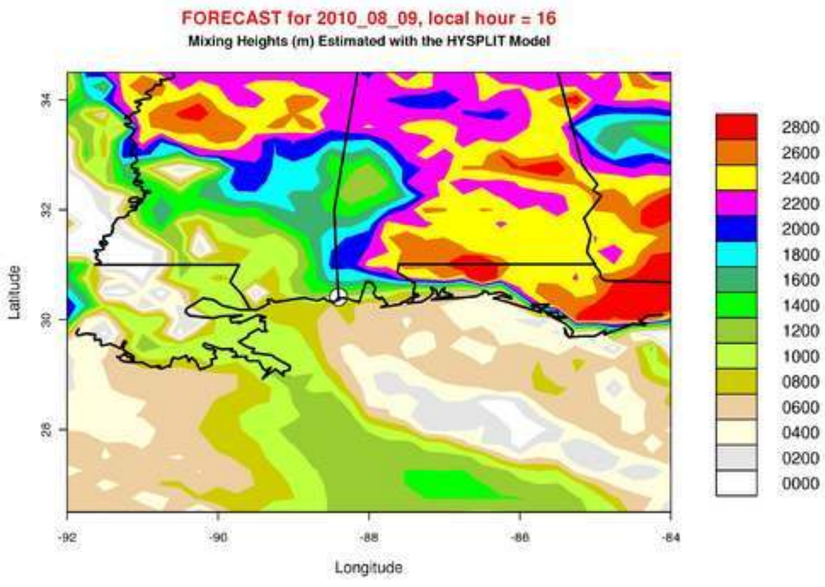

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
3000
2000
1000
08/09
08/08
08/07
08/06

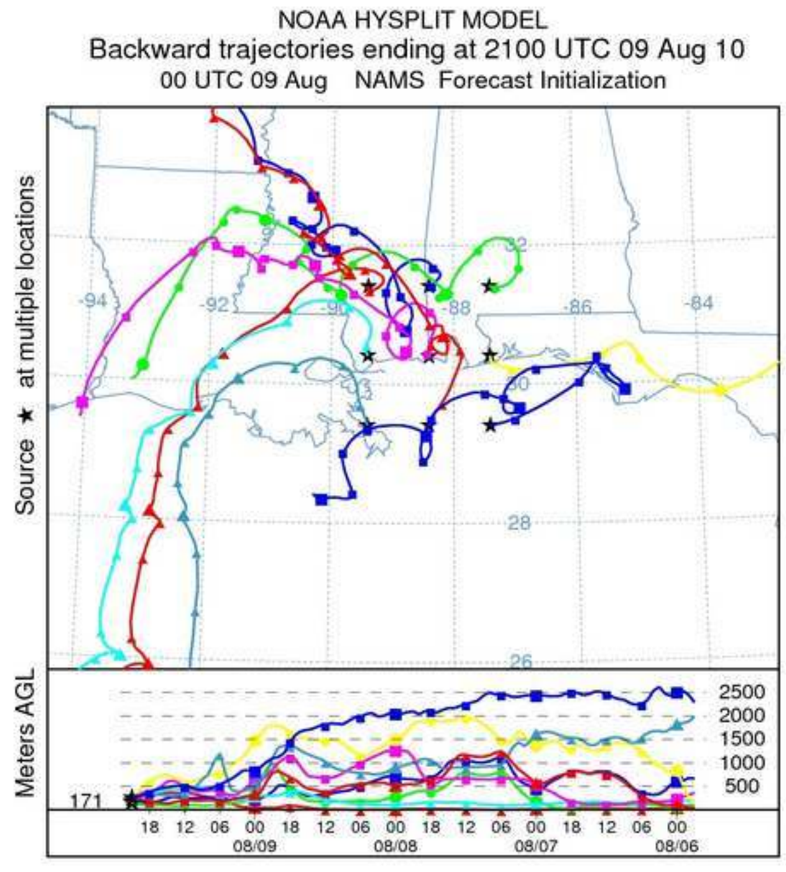

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
3000
2000
1000
08/09
08/08
08/07
08/06

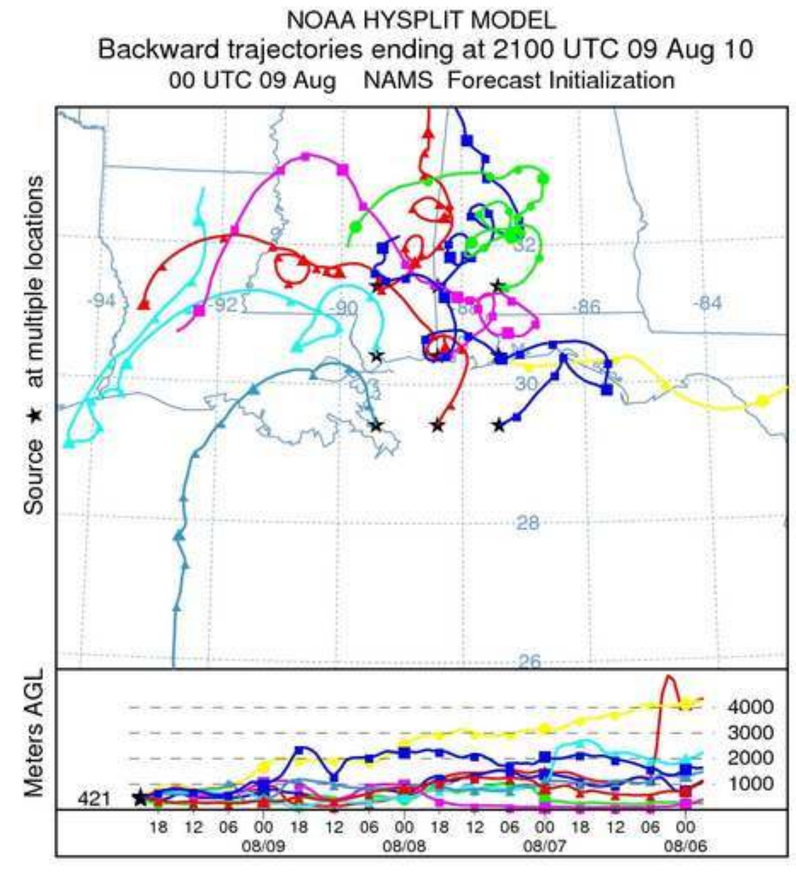

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3000
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

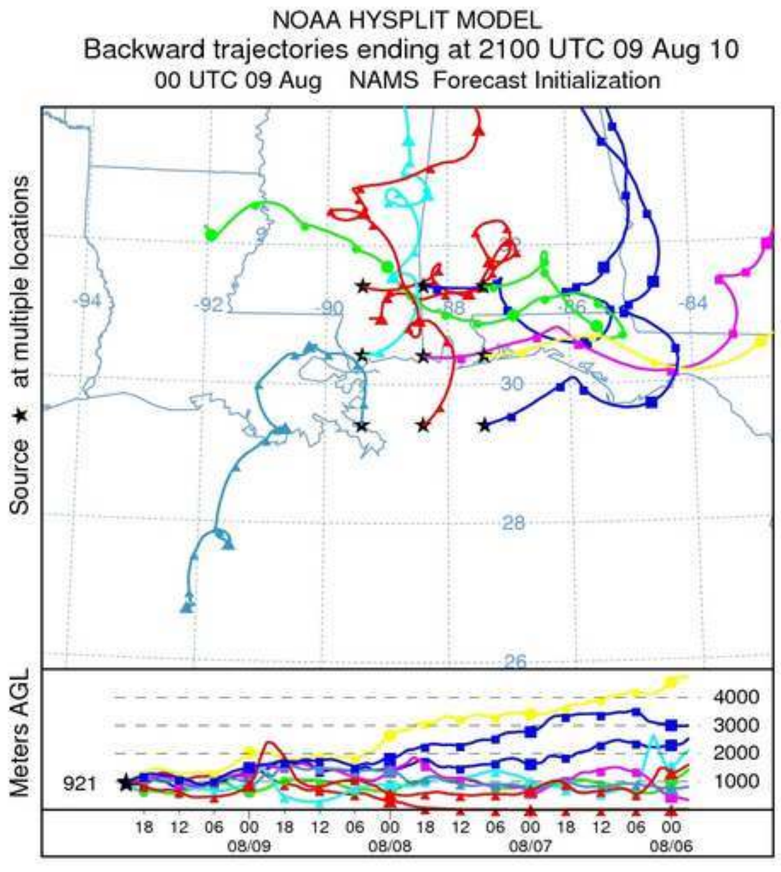

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
3000
2000
1000
08/09
08/08
08/07
08/06

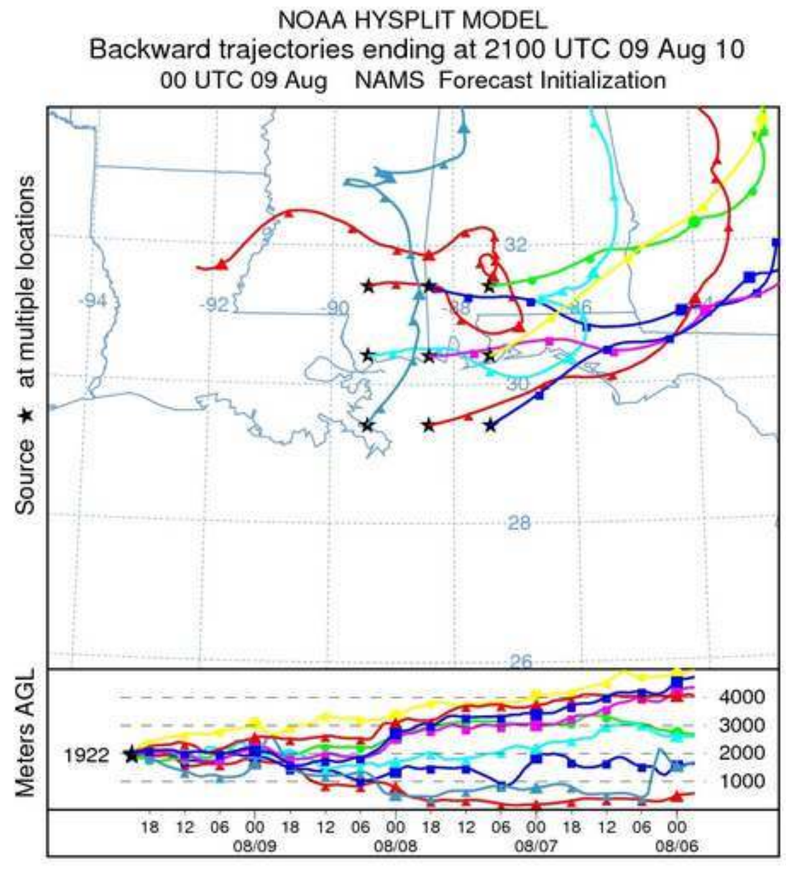

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2922
4000
3000
2000
1000
08/09
08/08
08/07
08/06

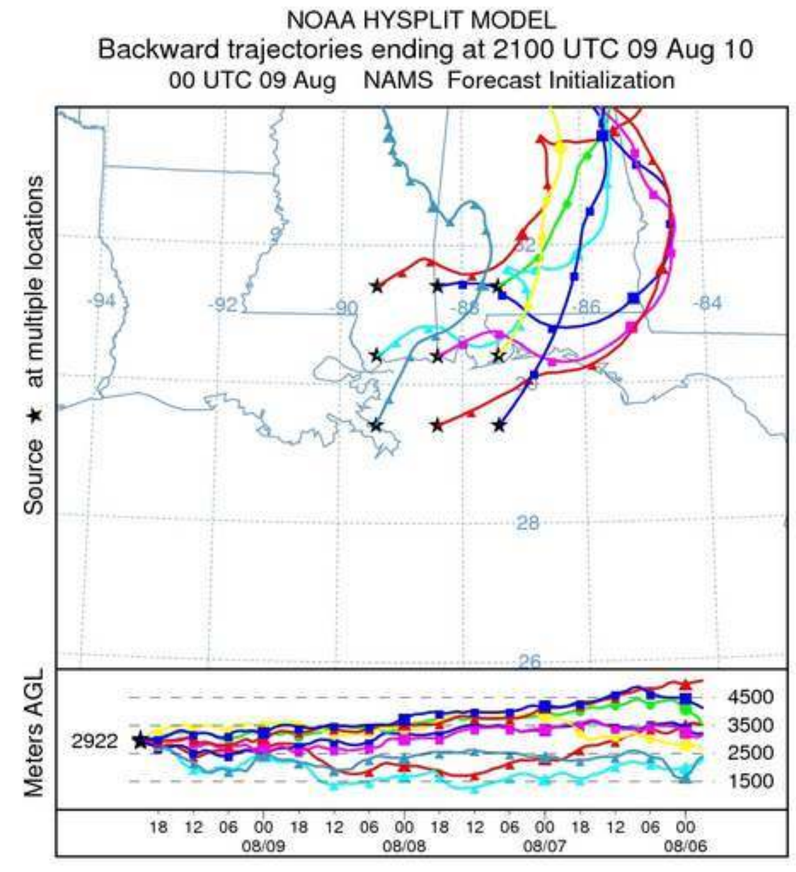

FORECAST for 2010_08_09, local hour = 16
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

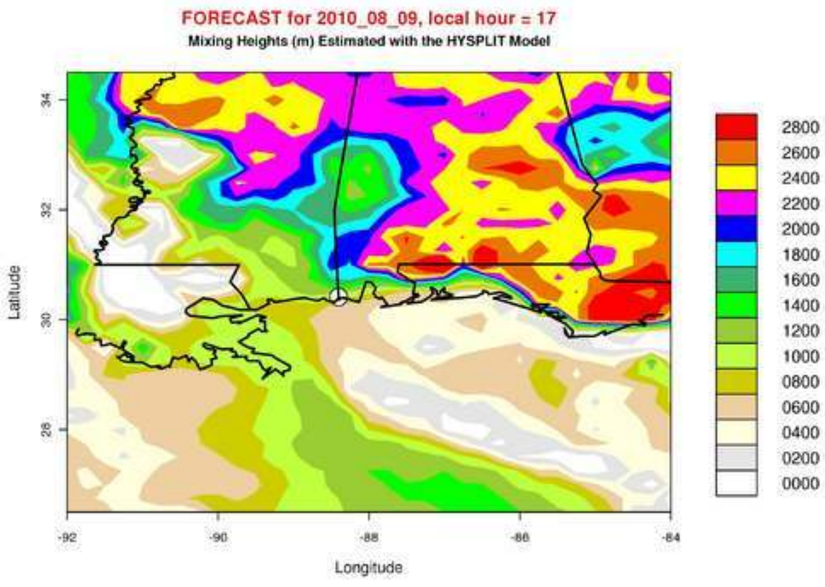

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

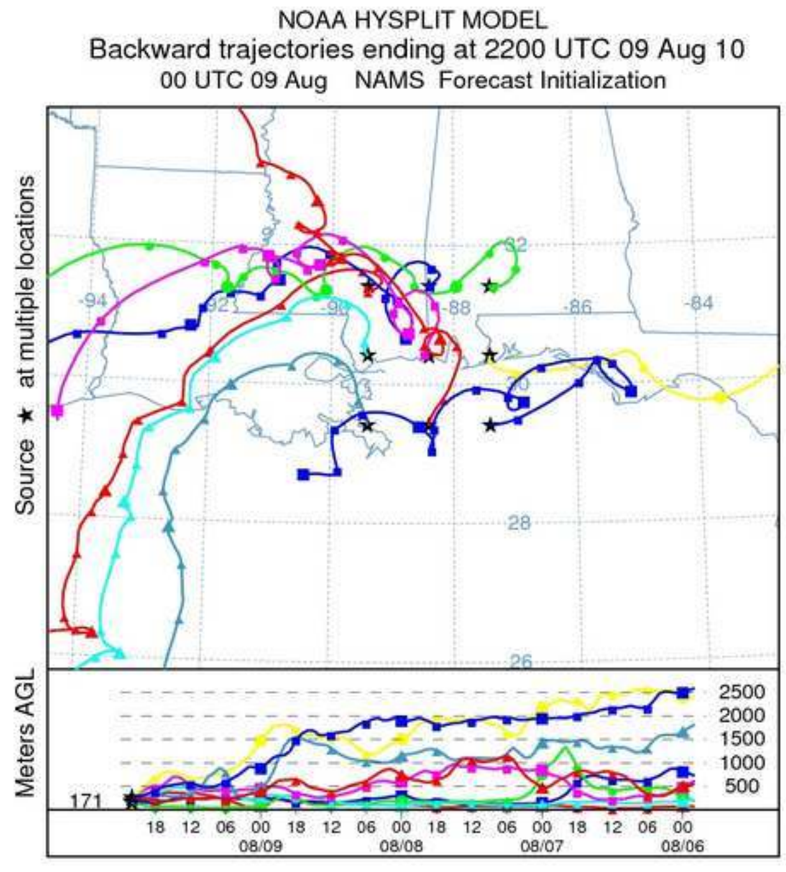

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
4000
3000
2000
1000
08/09
08/08
08/07
08/06

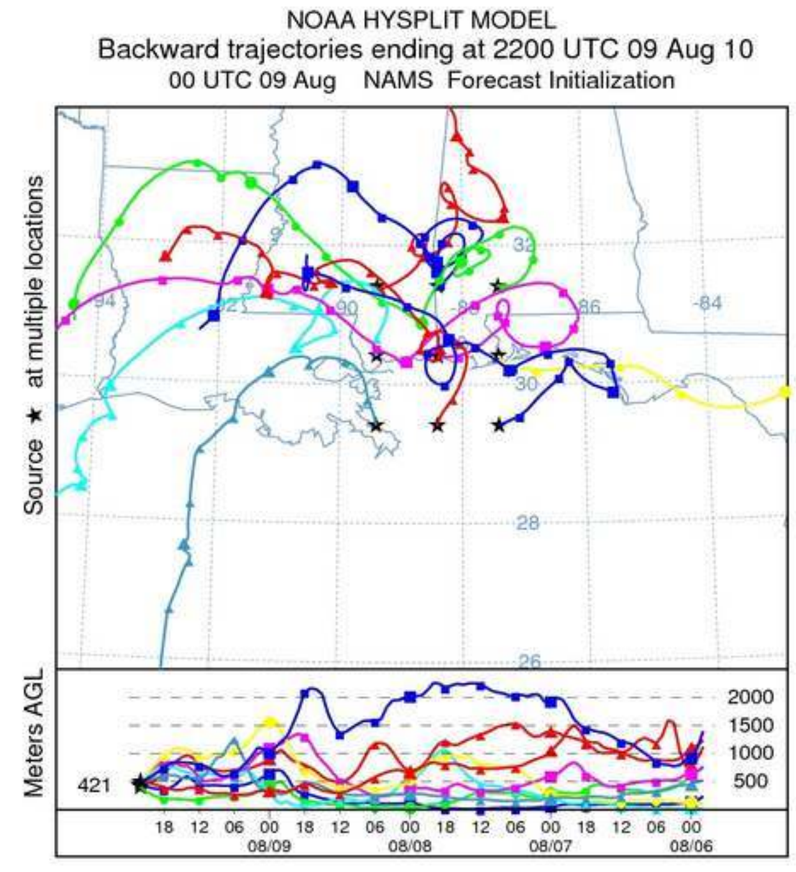

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
4000
3000
2000
1000
08/09
08/08
08/07
08/06

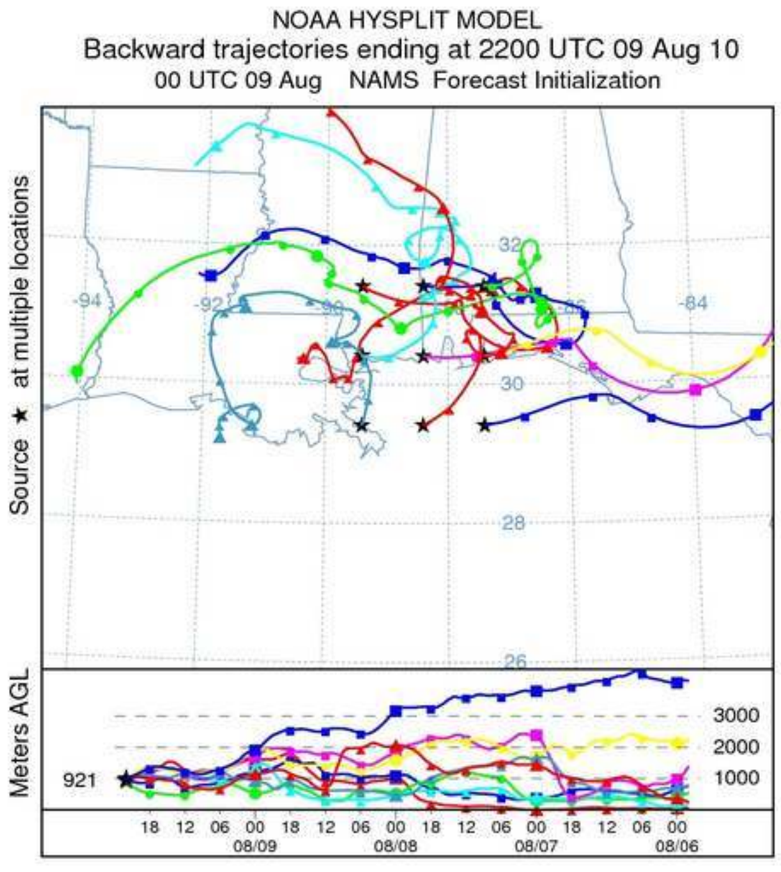

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
4000
3000
2000
1000
08/09
08/08
08/07
08/06

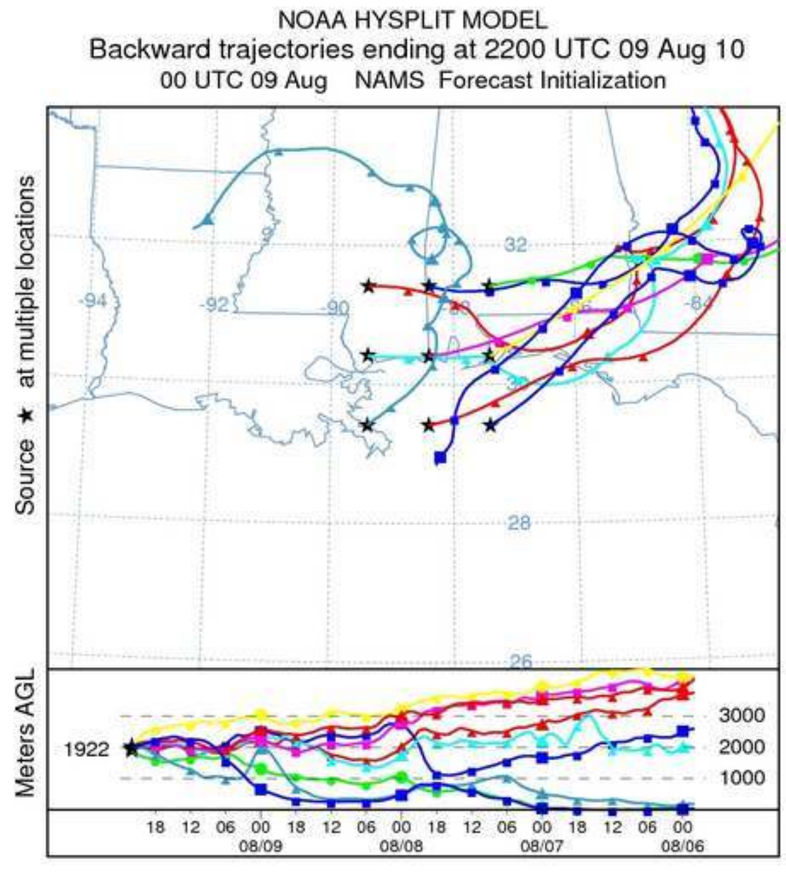

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2922
4500
3500
2500
1500
08/09
08/08
08/07
08/06

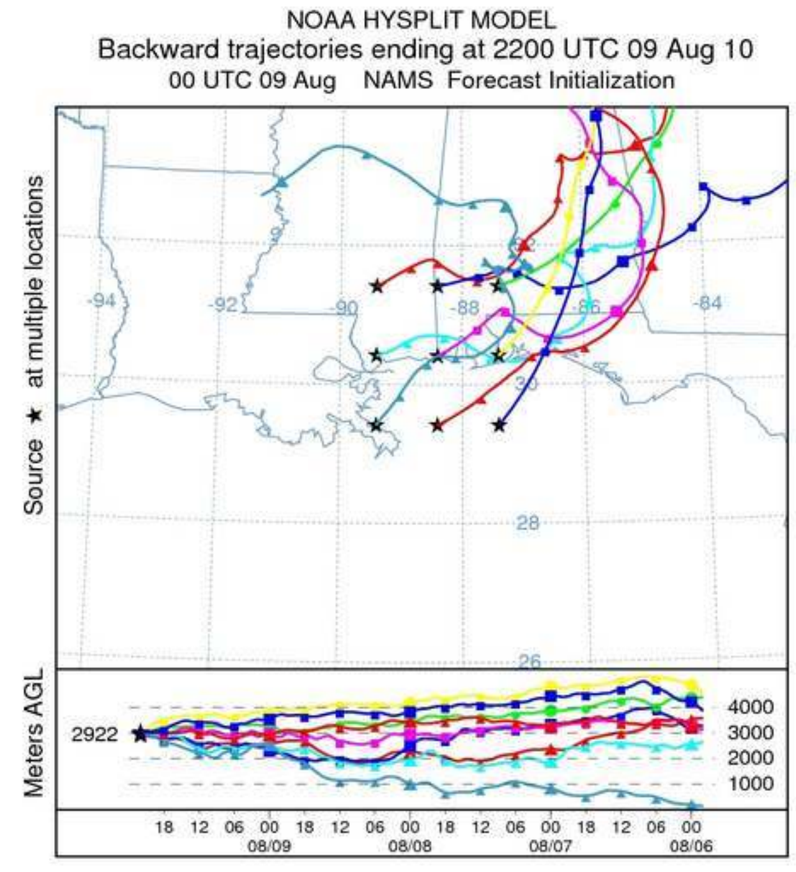

FORECAST for 2010_08_09, local hour = 17
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

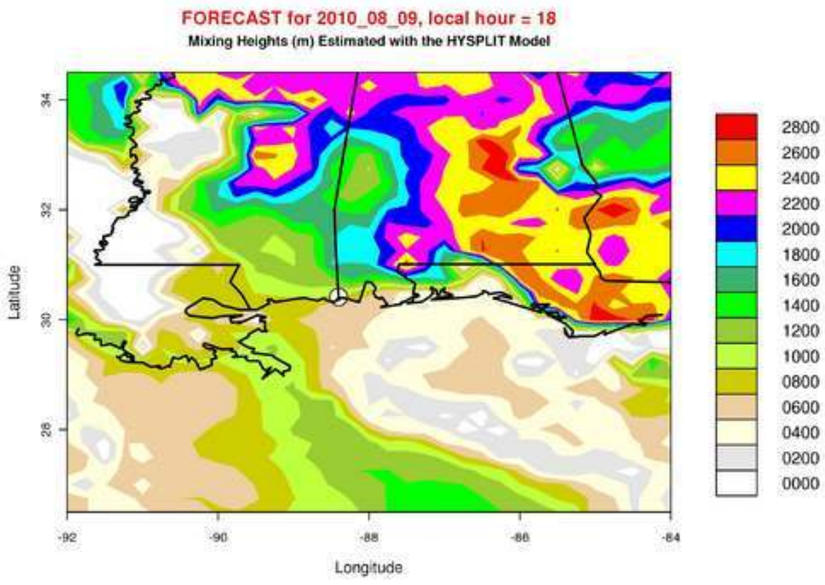

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

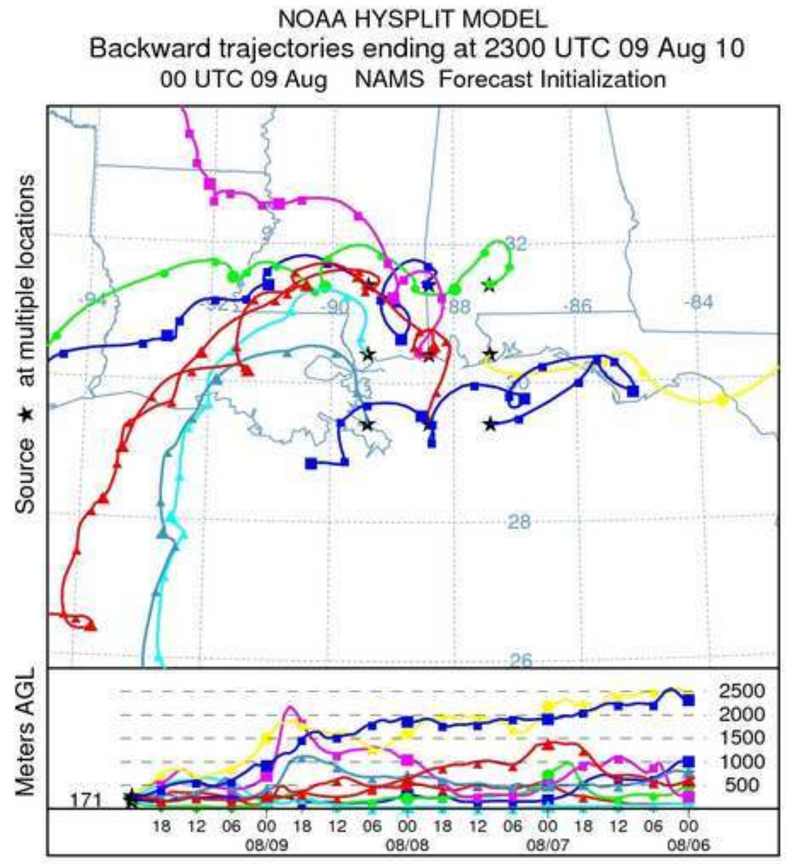

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
2000
1500
1000
500
08/09
08/08
08/07
08/06

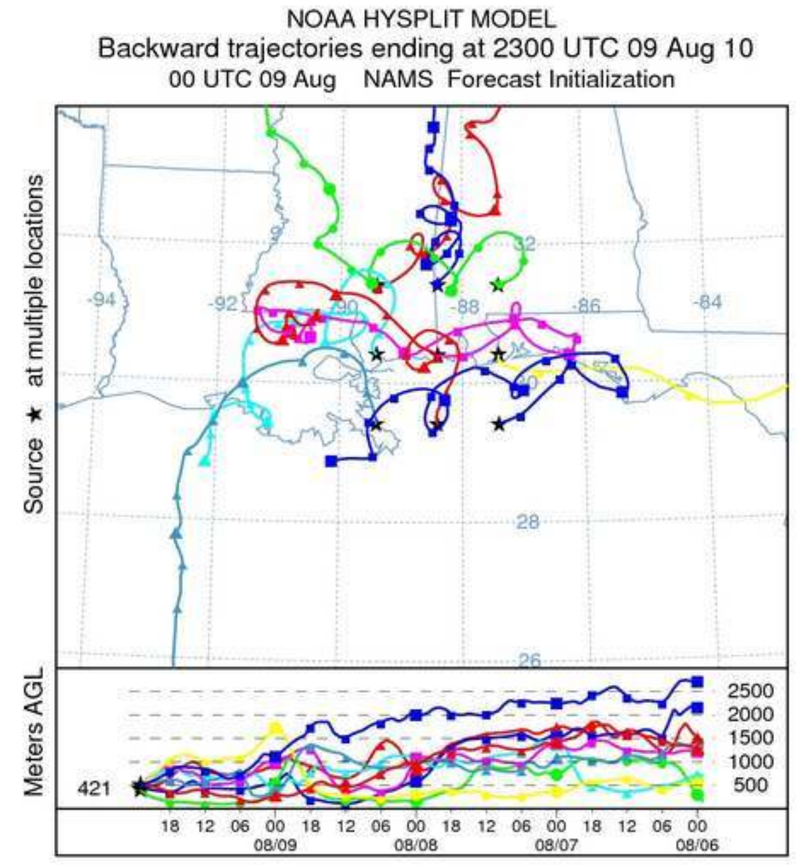

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3000
2000
1000
08/09
08/08
08/07
08/06

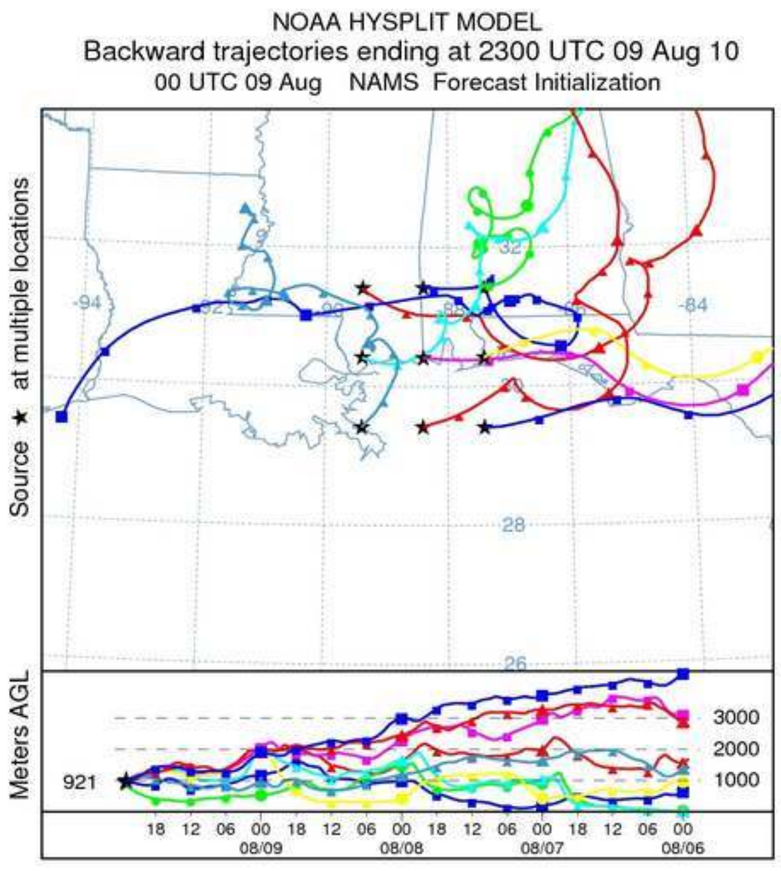

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
3000
2000
1000
08/09
08/08
08/07
08/06

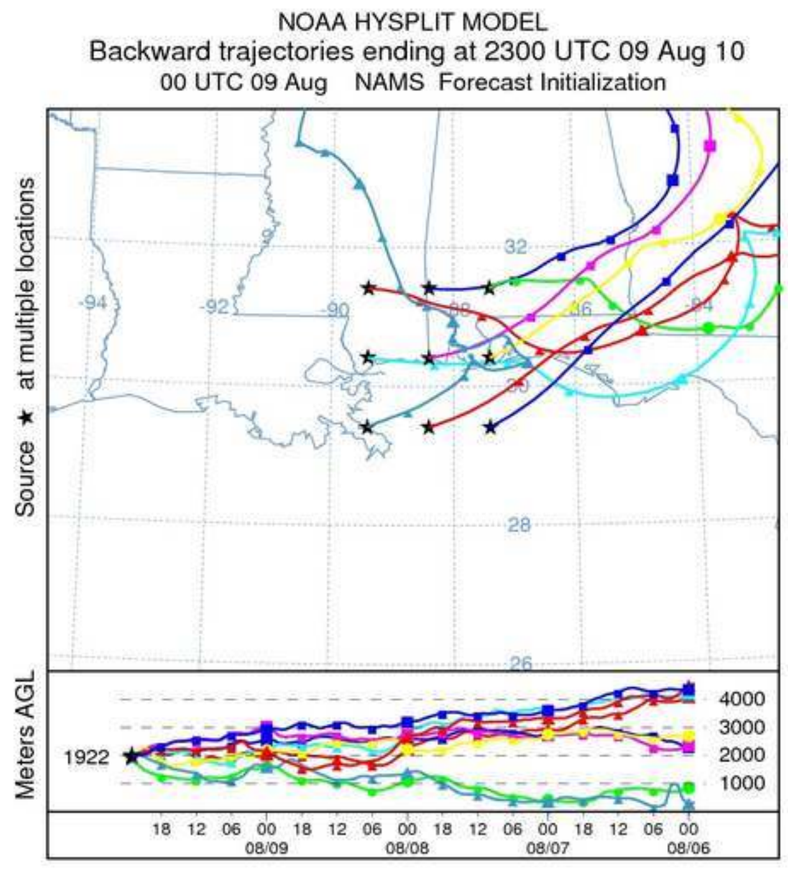

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2922
4000
3000
2000
1000
08/09
08/08
08/07
08/06

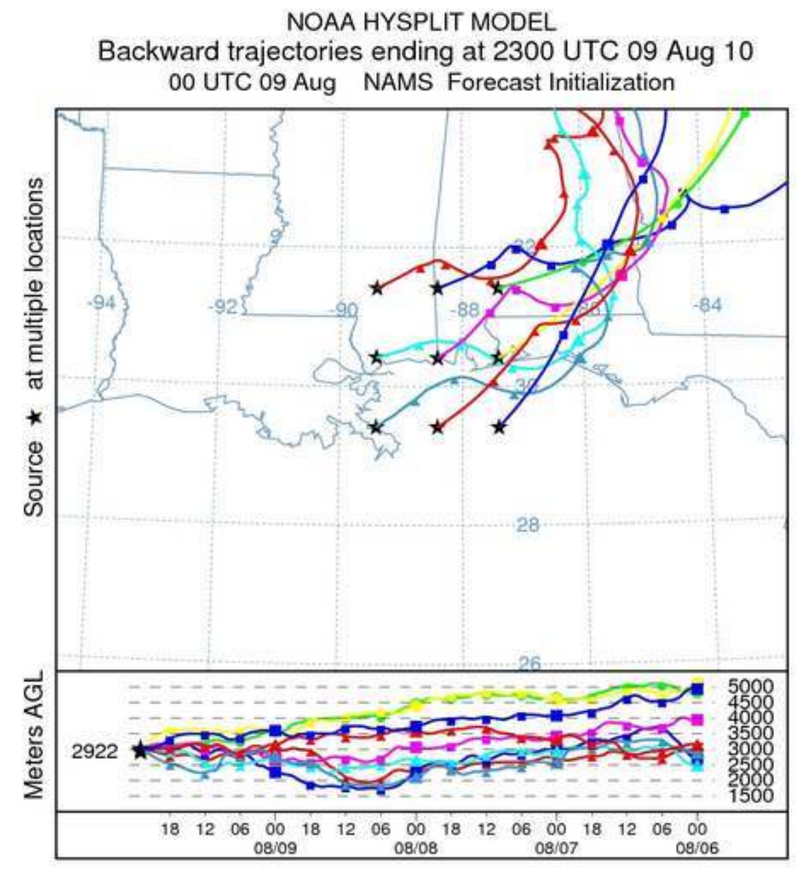

FORECAST for 2010_08_09, local hour = 18
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

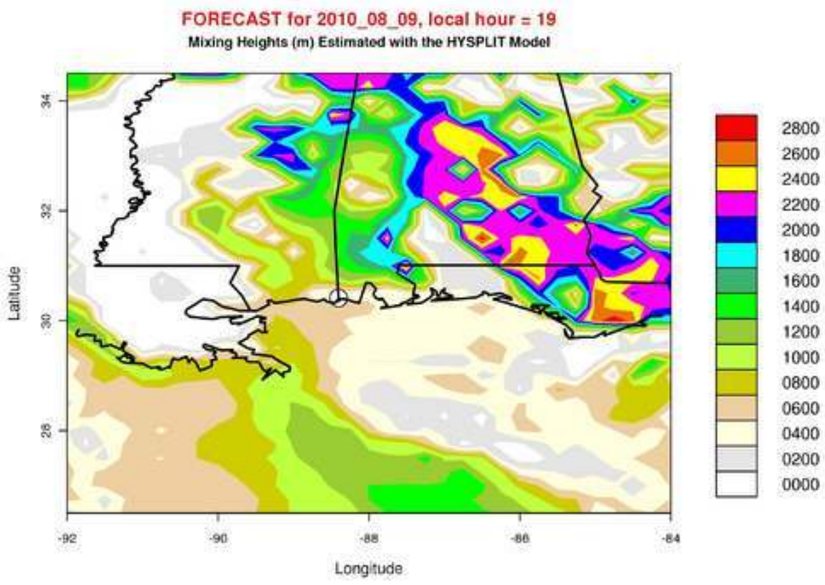

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

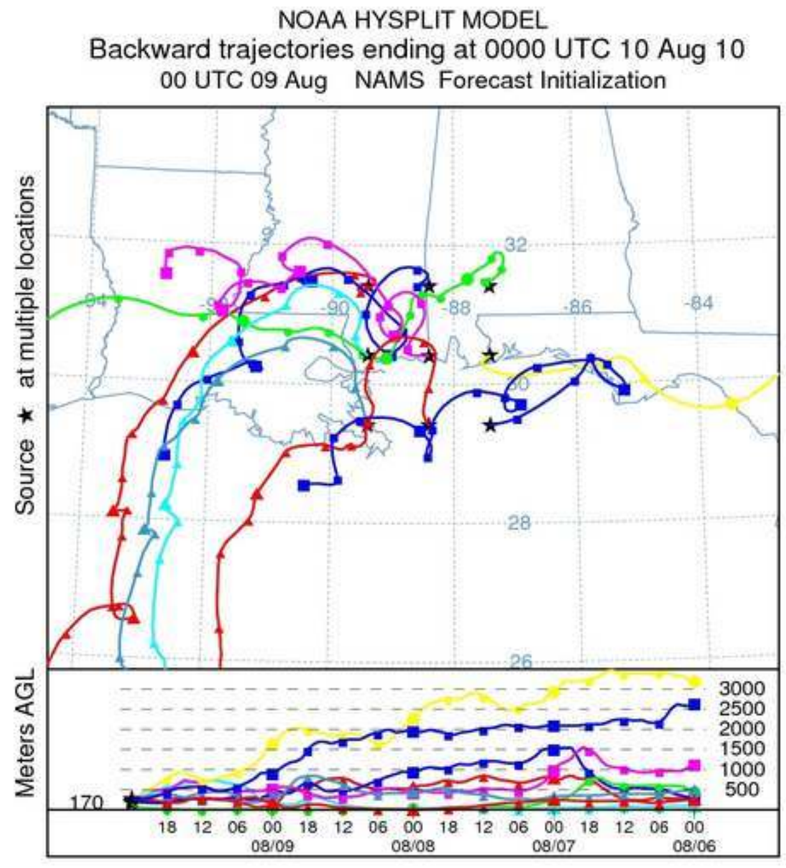

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

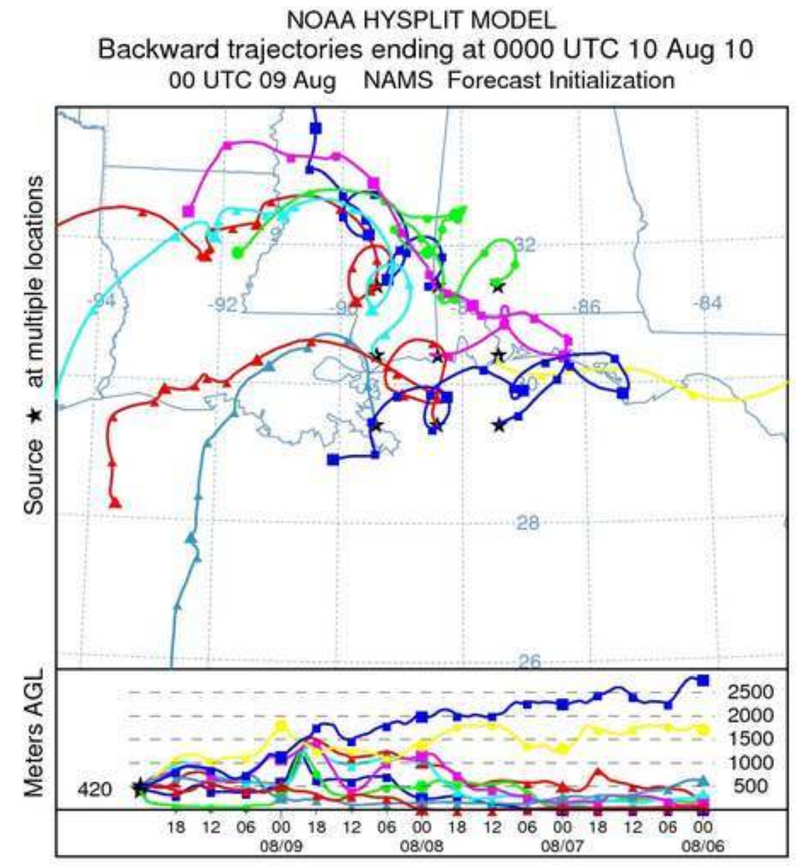

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3000
2000
1000
08/09
08/08
08/07
08/06

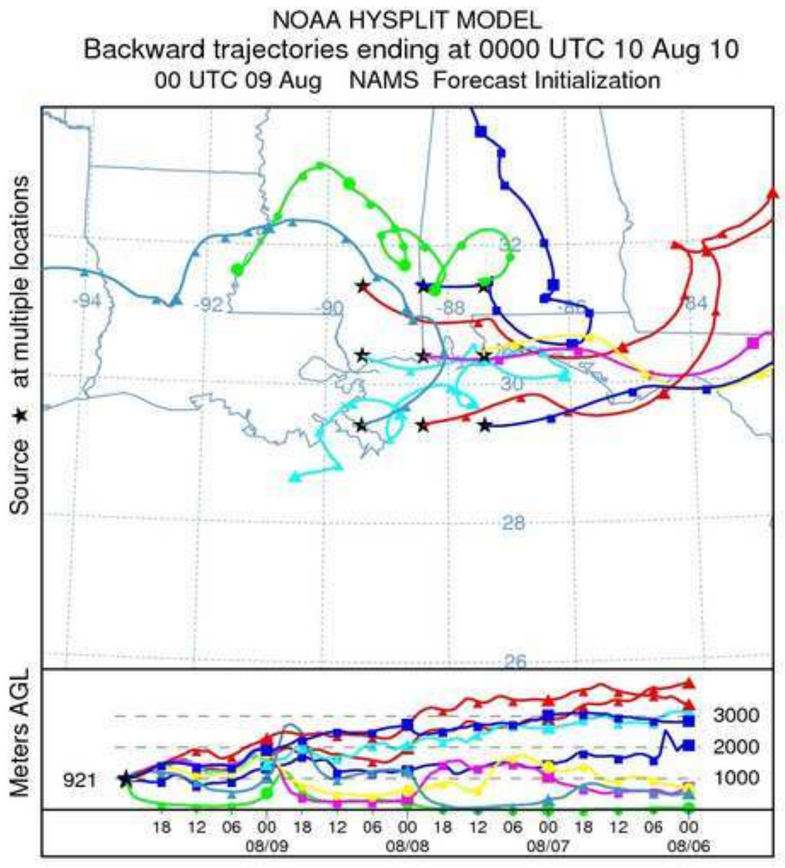

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
4000
3000
2000
1000
08/09
08/08
08/07
08/06

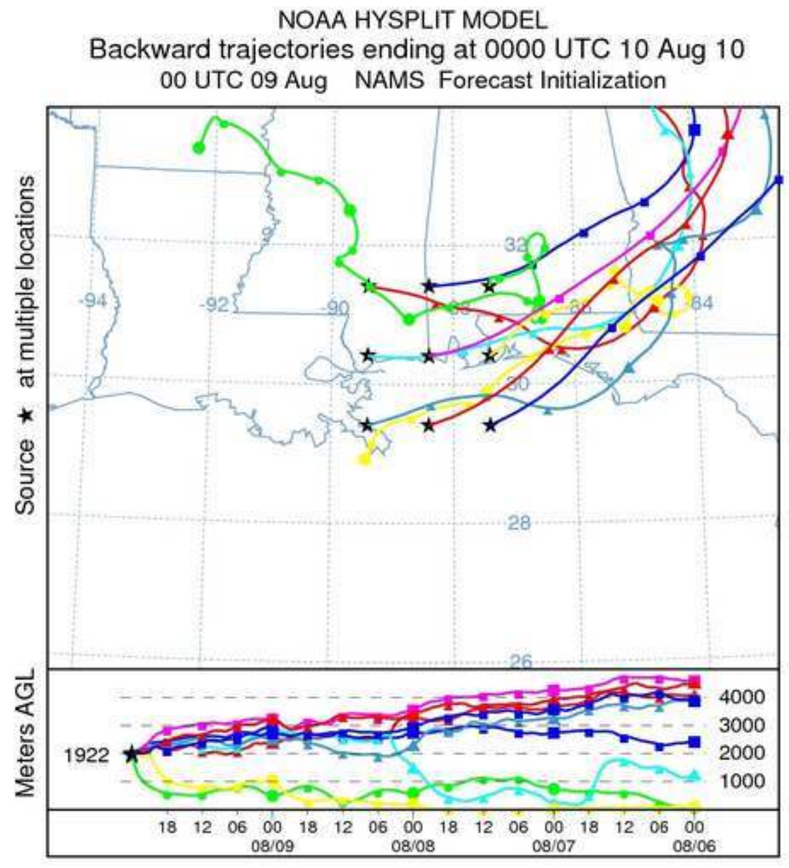

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 09 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2922
5000
4500
4000
3500
3000
2500
2000
1500
08/09
08/08
08/07
08/06

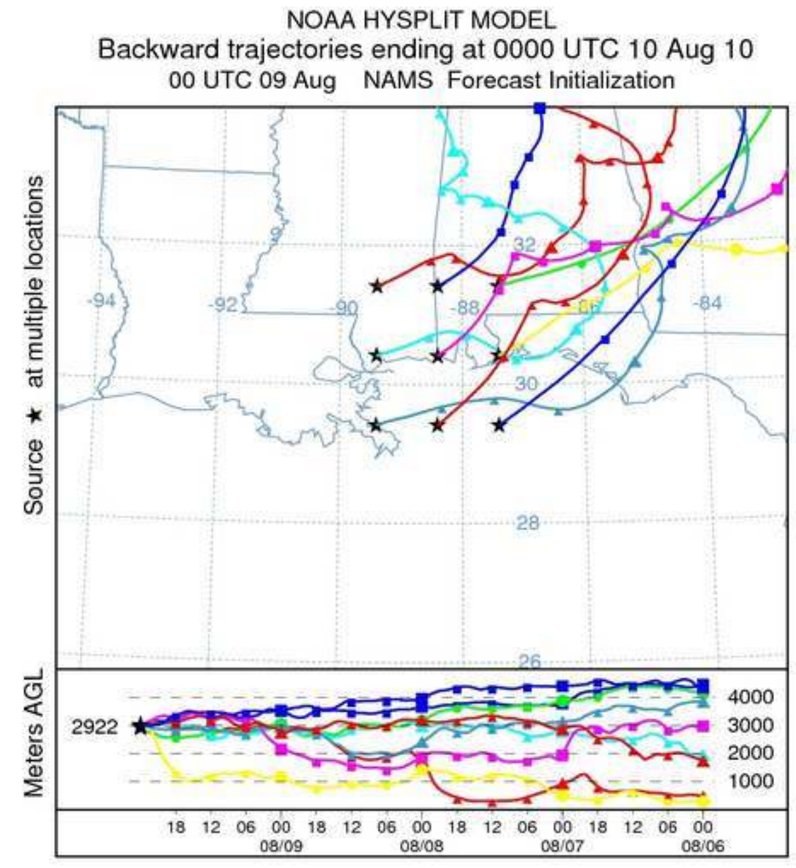

FORECAST for 2010_08_09, local hour = 19
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

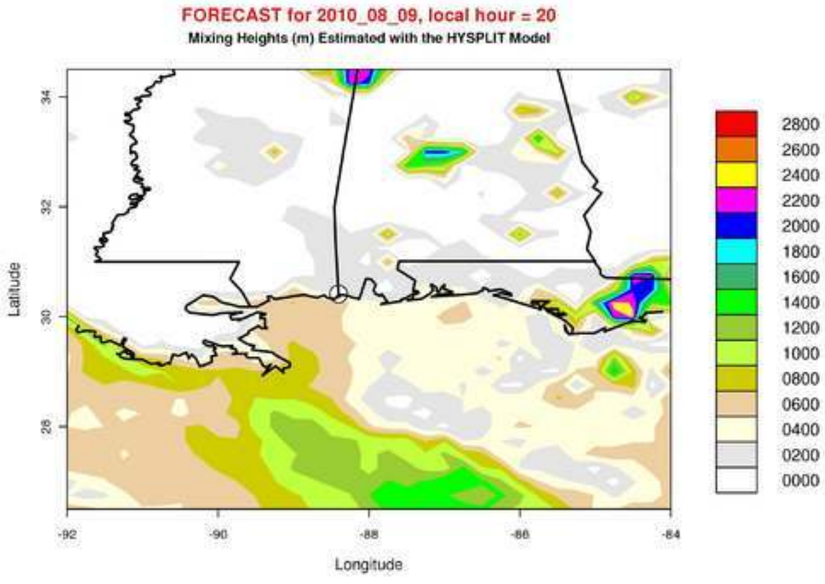

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 10 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
3000
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

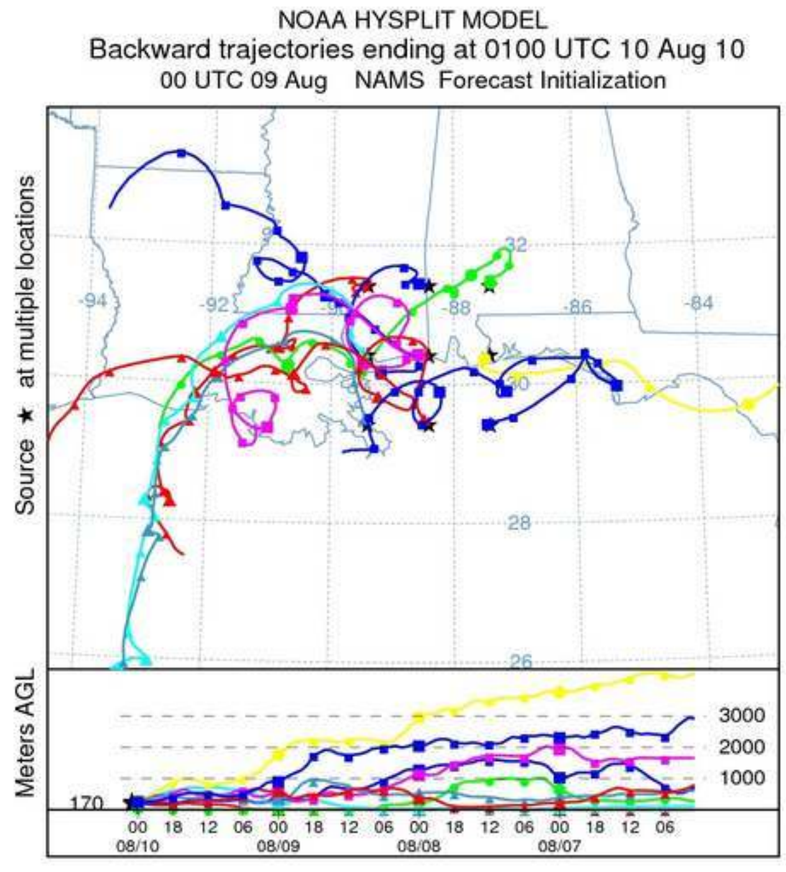

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 10 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
2500
2000
1500
1000
500
08/09
08/08
08/07
08/06

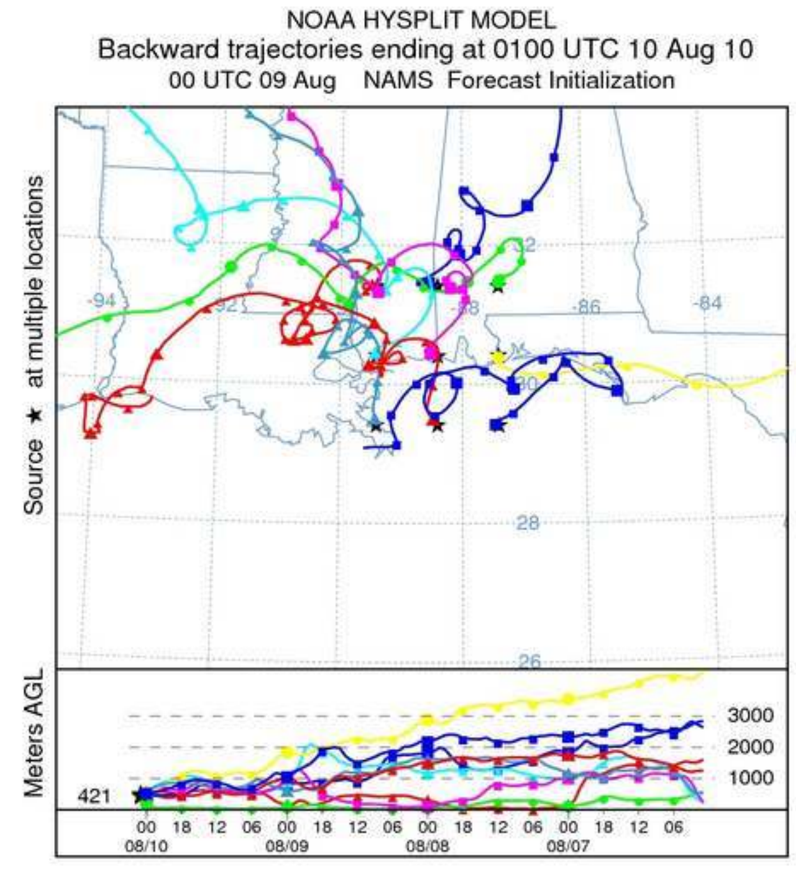

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 10 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3000
2000
1000
08/09
08/08
08/07
08/06

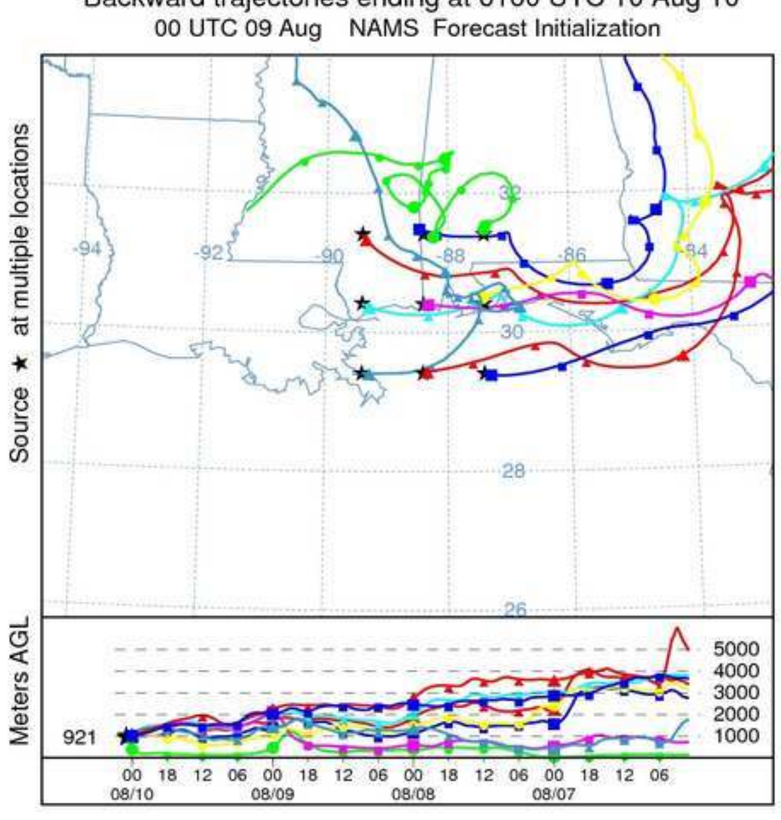

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 10 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
4000
3000
2000
1000
08/09
08/08
08/07
08/06

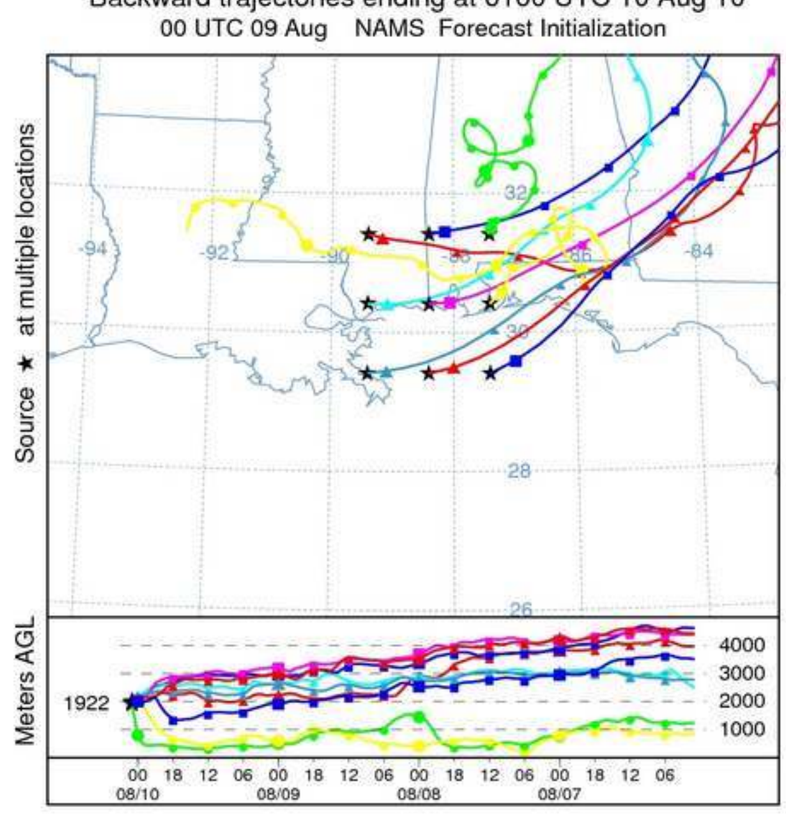

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 10 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2922
4000
3000
2000
1000
08/09
08/08
08/07
08/06

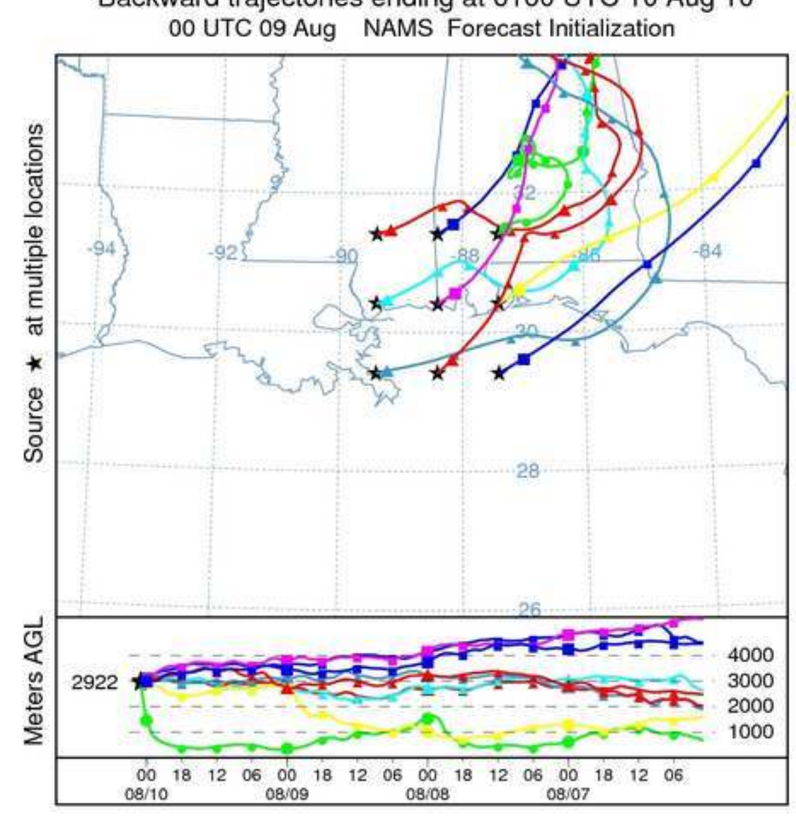

FORECAST for 2010_08_09, local hour = 20
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 10 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
3000
2000
1000
08/10
08/09
08/08
08/07

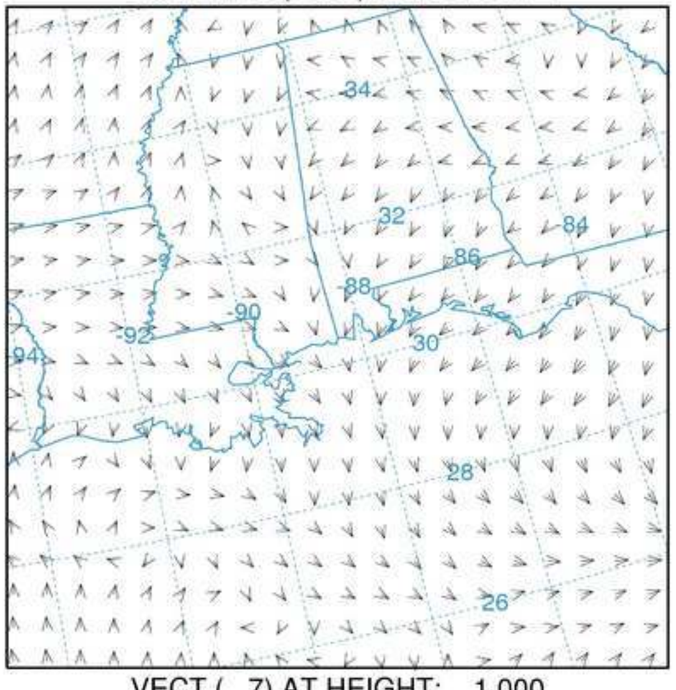

NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 10 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
3000
2000
1000
08/10
08/09
08/08
08/07


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 10 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
5000
4000
3000
2000
1000
08/10
08/09
08/08
08/07


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 10 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1922
4000
3000
2000
1000
08/10
08/09
08/08
08/07


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 10 Aug 10
00 UTC 09 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2922
4000
3000
2000
1000
08/10
08/09
08/08
08/07

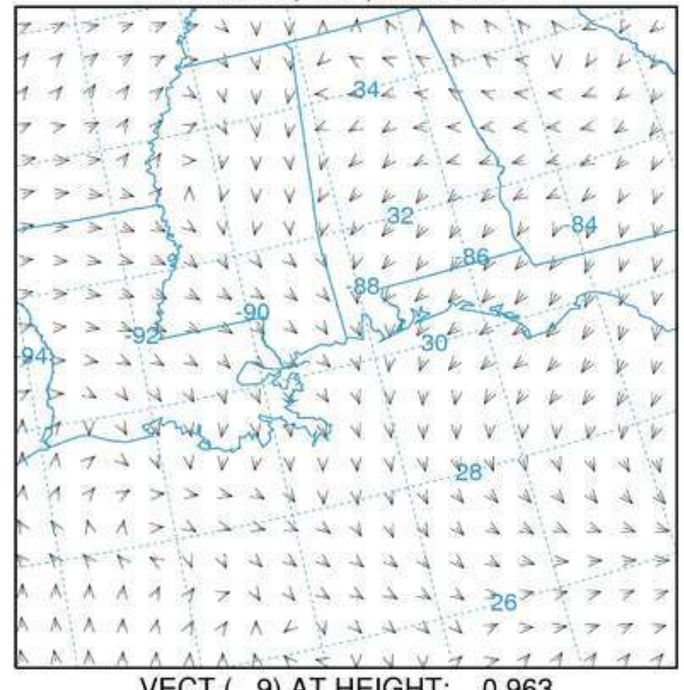
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/14



VECT (7) AT HEIGHT: 1.000

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

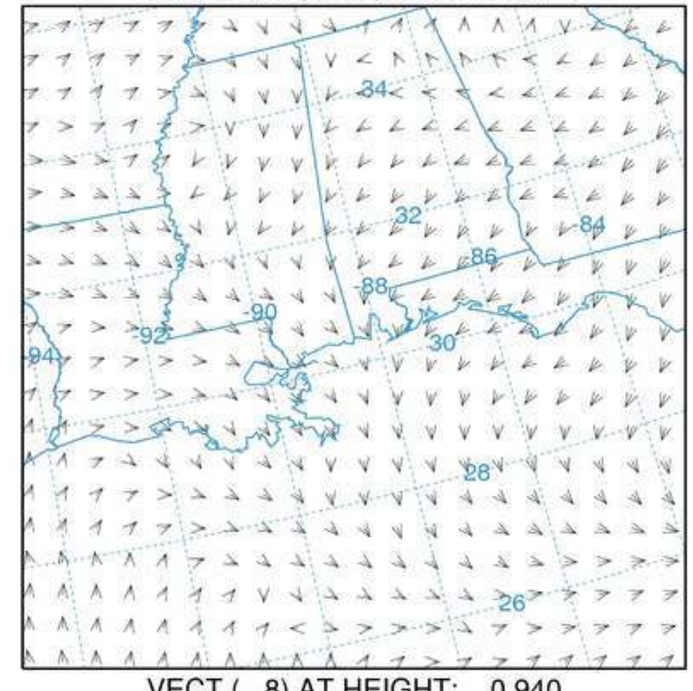
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/14



VECT (9) AT HEIGHT: 0.963

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

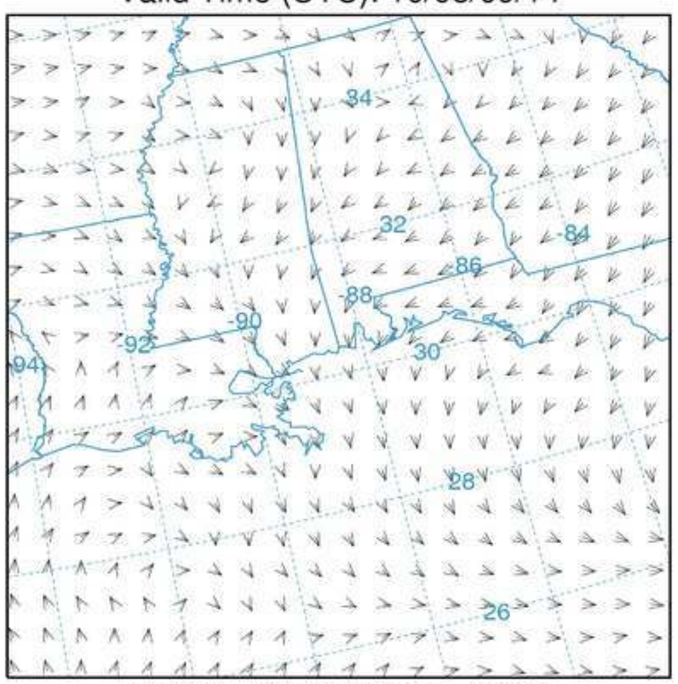
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/14



VECT (8) AT HEIGHT: 0.940

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

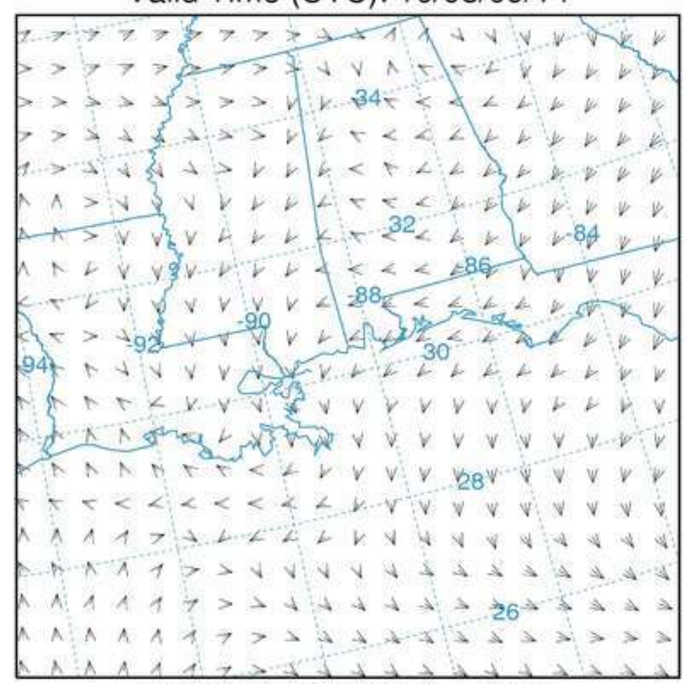
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/14



VECT (8) AT HEIGHT: 0.904

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

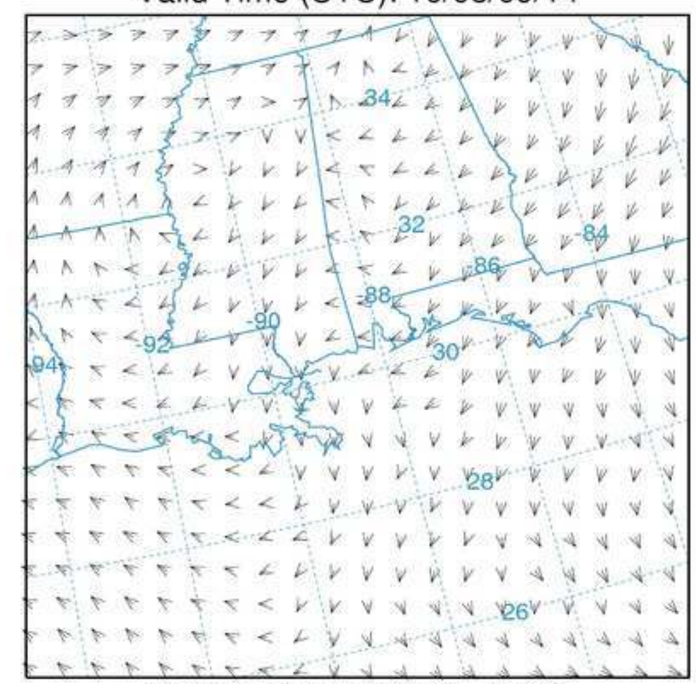
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/14



VECT (9) AT HEIGHT: 0.826

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

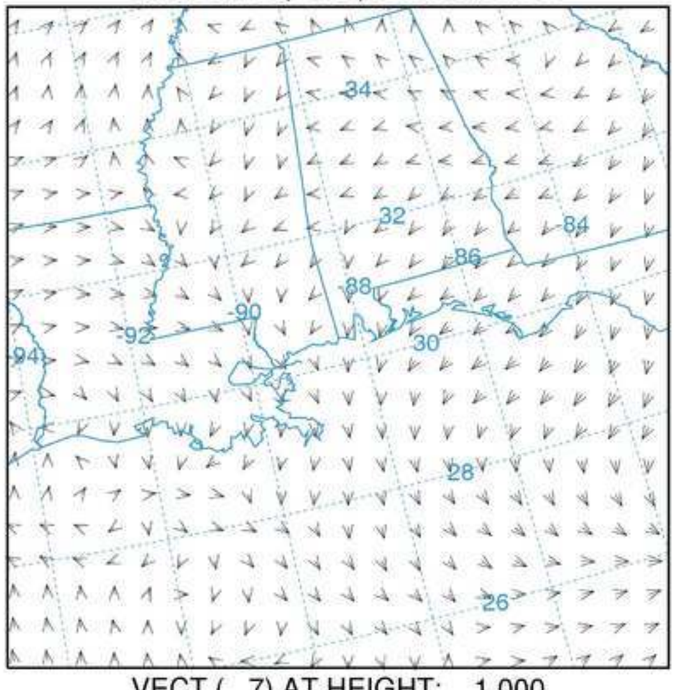
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/14



VECT (7) AT HEIGHT: 0.718

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

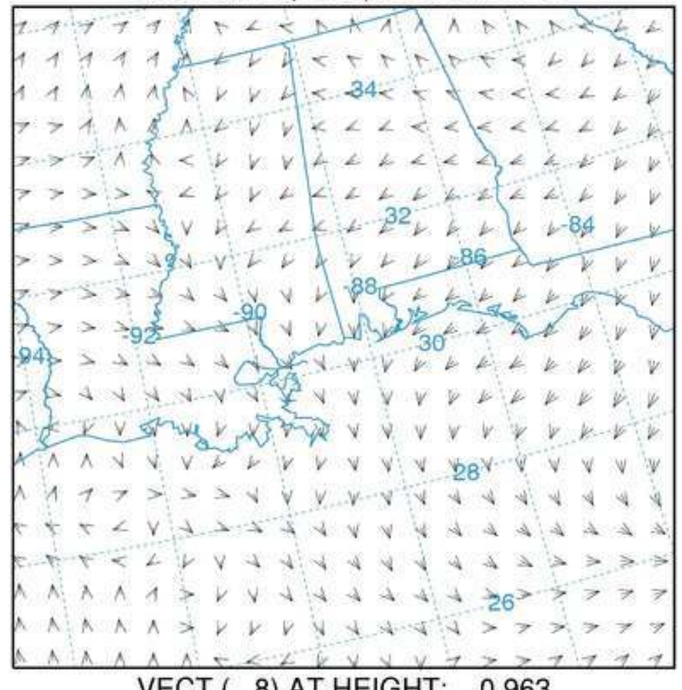
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/15



VECT (7) AT HEIGHT: 1.000

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

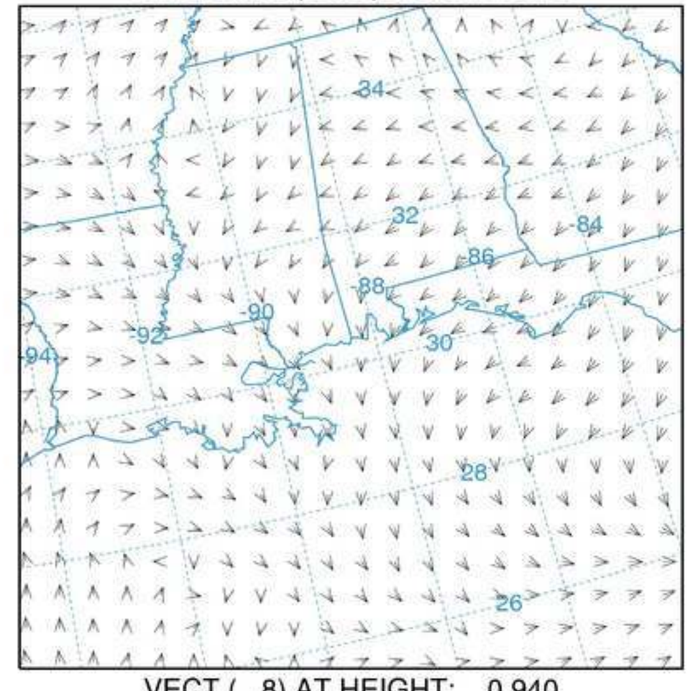
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/15



VECT (8) AT HEIGHT: 0.963

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

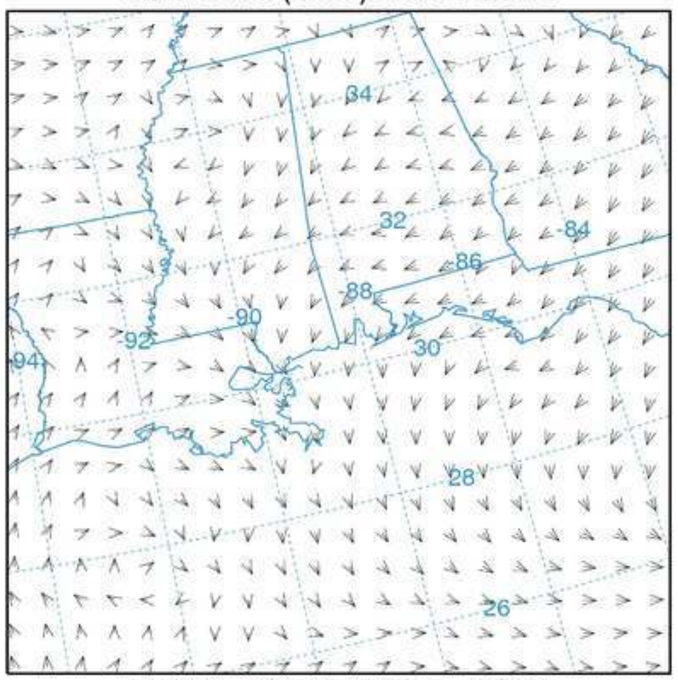
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/15



VECT (8) AT HEIGHT: 0.940

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

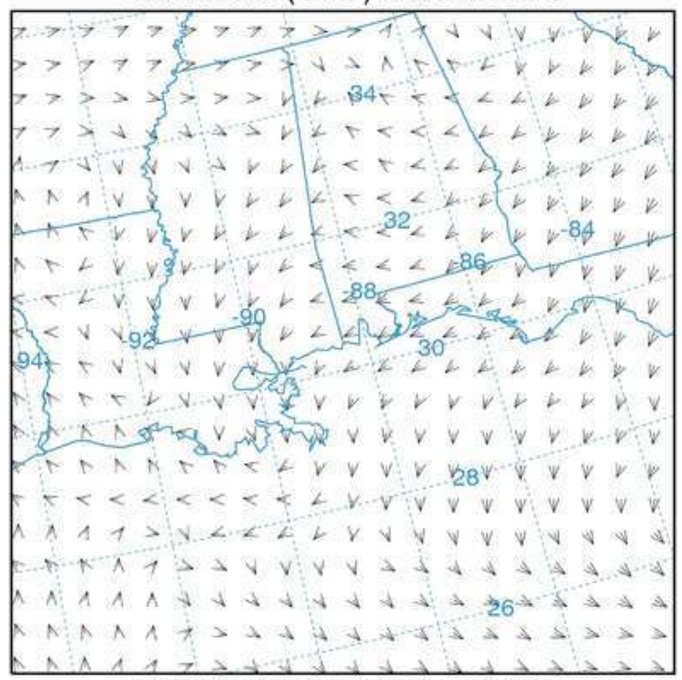
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/15



VECT (8) AT HEIGHT: 0.904

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

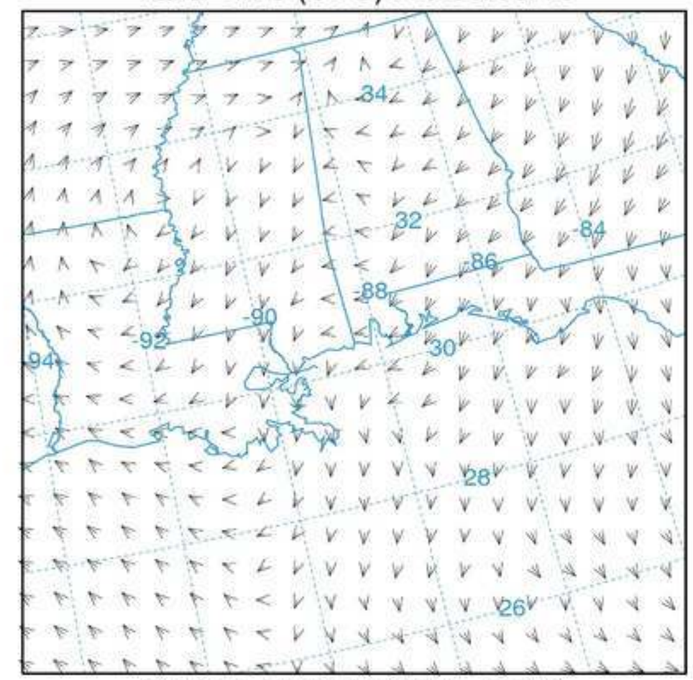
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/15



VECT (9) AT HEIGHT: 0.826

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

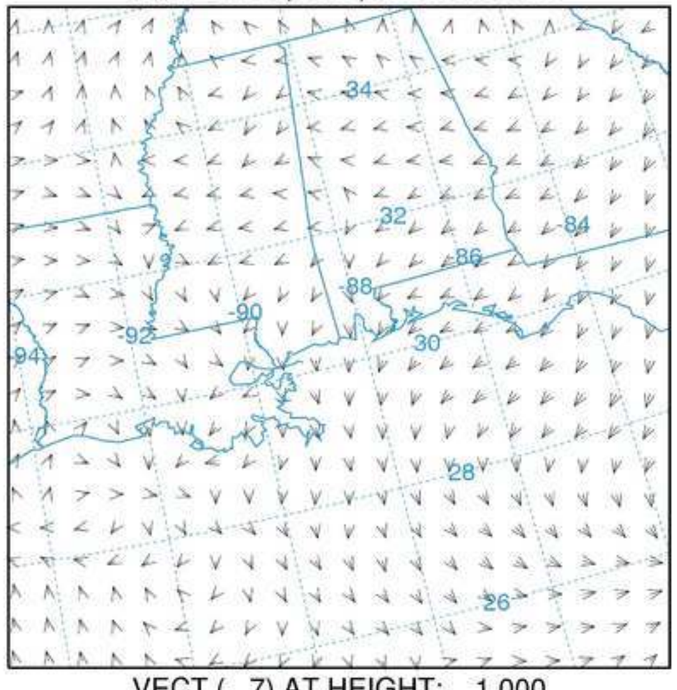
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/15



VECT (7) AT HEIGHT: 0.718

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

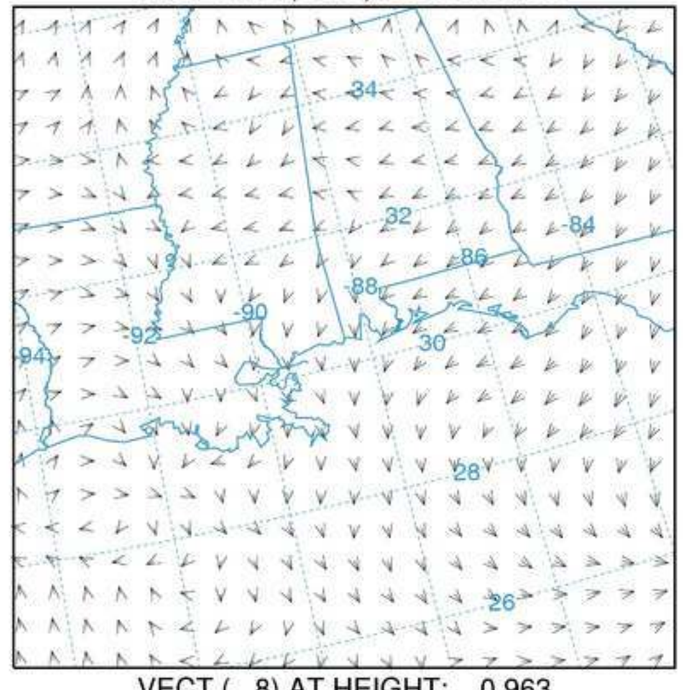
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/16



VECT (7) AT HEIGHT: 1.000

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

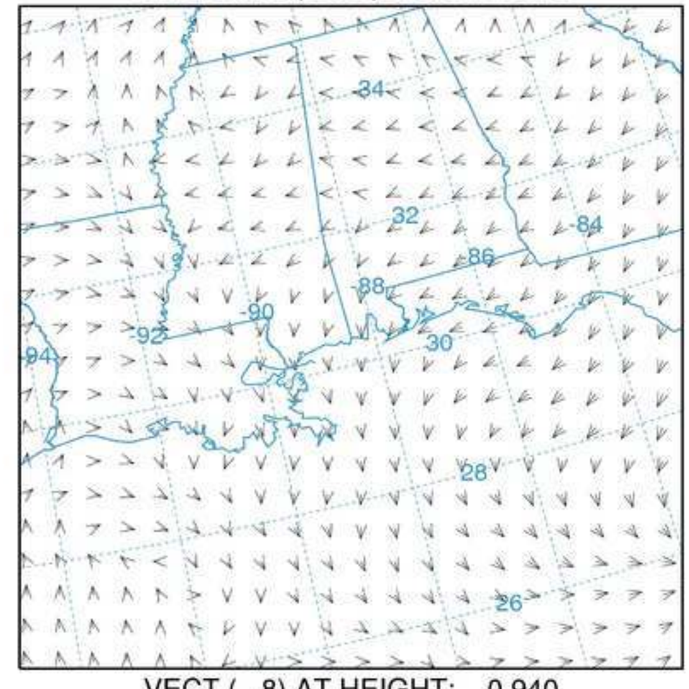
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/16



VECT (8) AT HEIGHT: 0.963

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

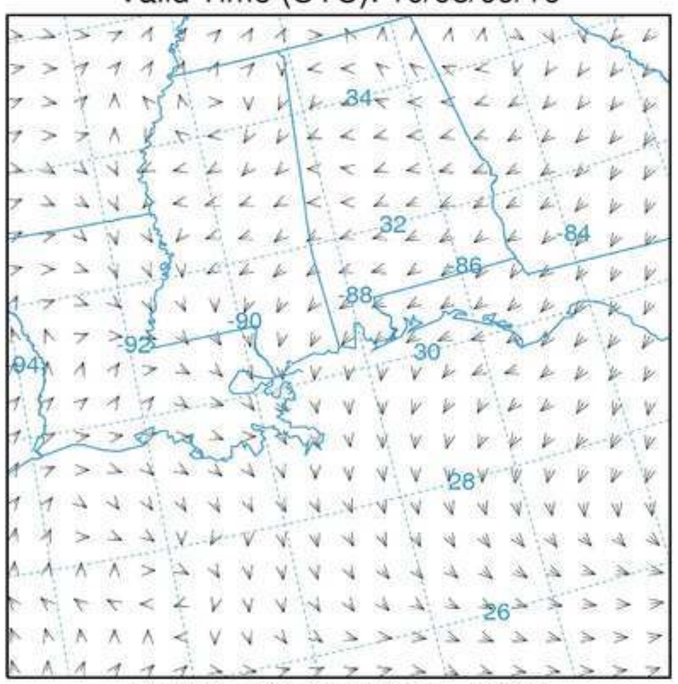
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/16



VECT (8) AT HEIGHT: 0.940

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

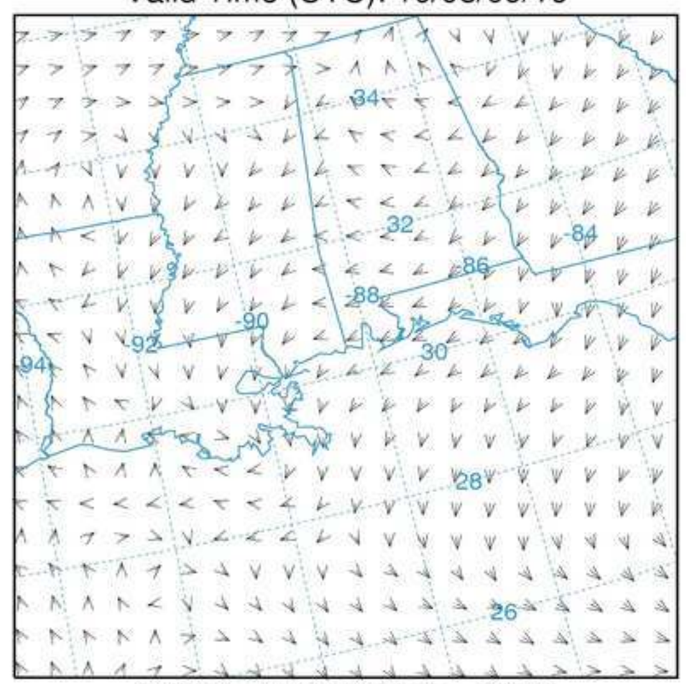
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/16



VECT (9) AT HEIGHT: 0.904

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

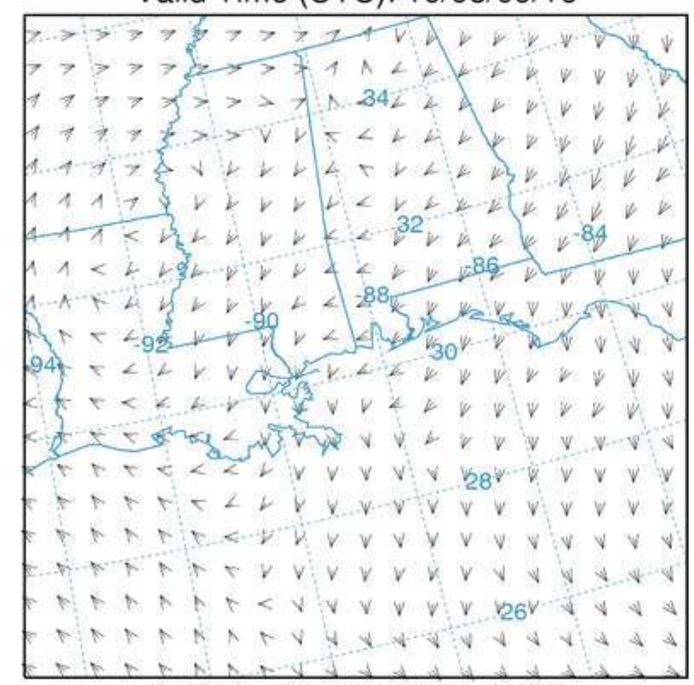
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/16



VECT (9) AT HEIGHT: 0.826

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

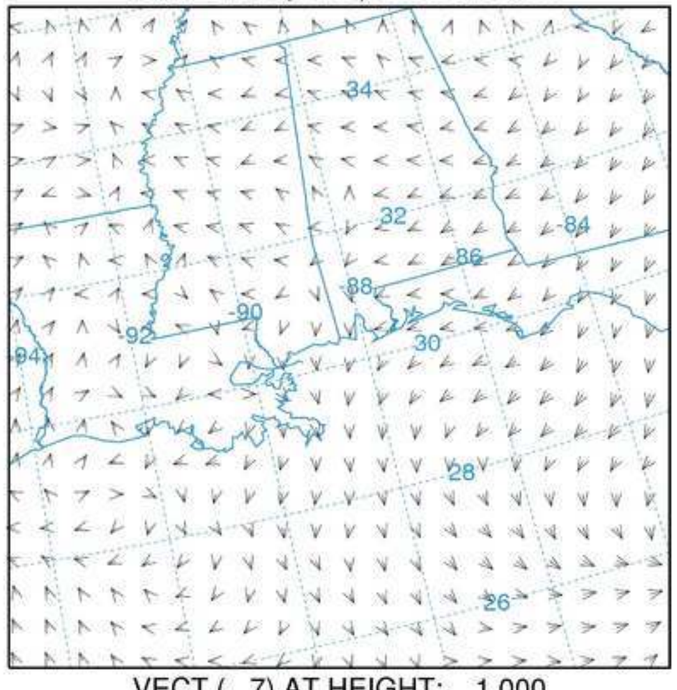
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/16



VECT (7) AT HEIGHT: 0.718

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

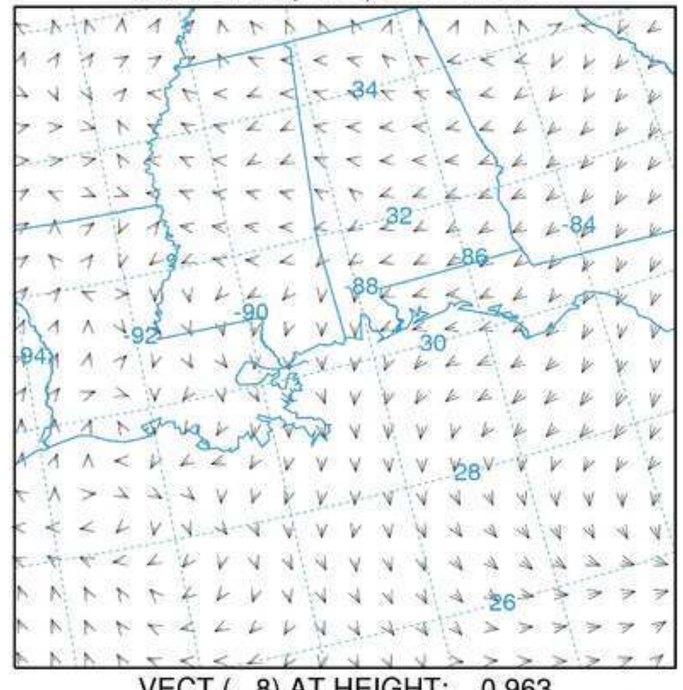
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/17



VECT (7) AT HEIGHT: 1.000

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

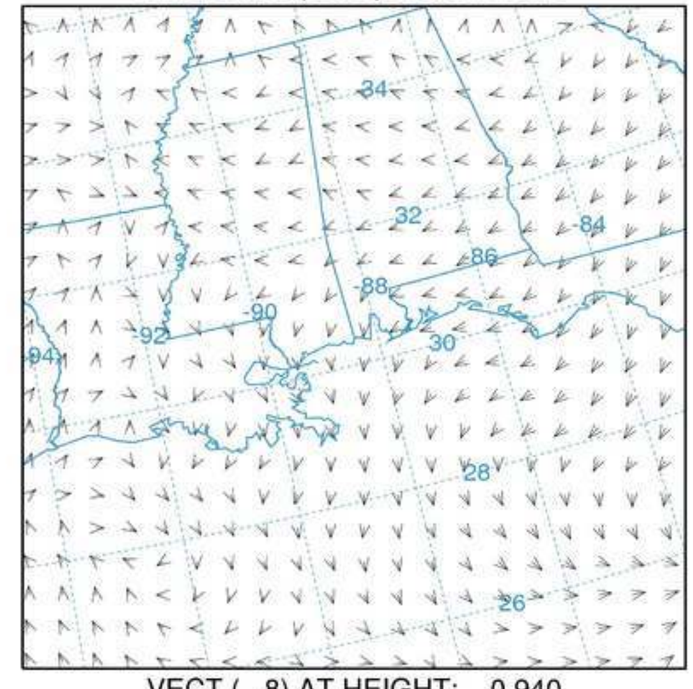
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/17



VECT (8) AT HEIGHT: 0.963

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

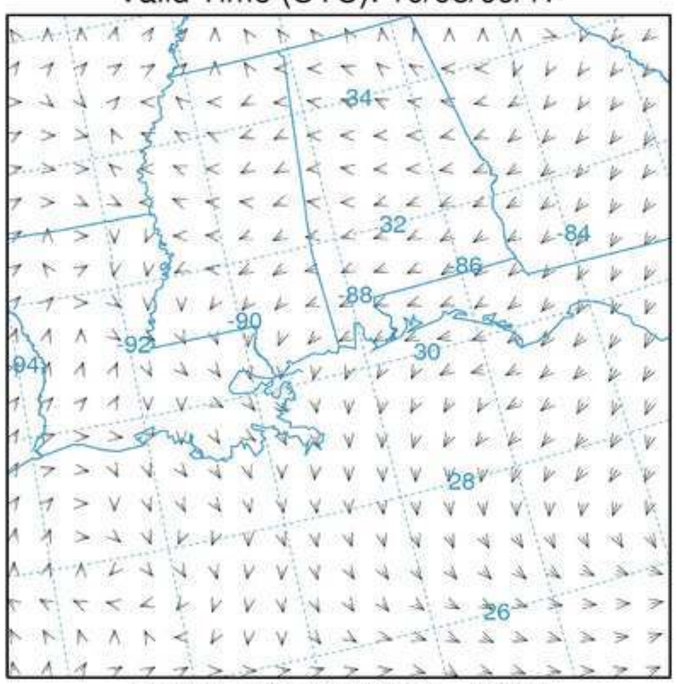
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/17



VECT (8) AT HEIGHT: 0.940

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

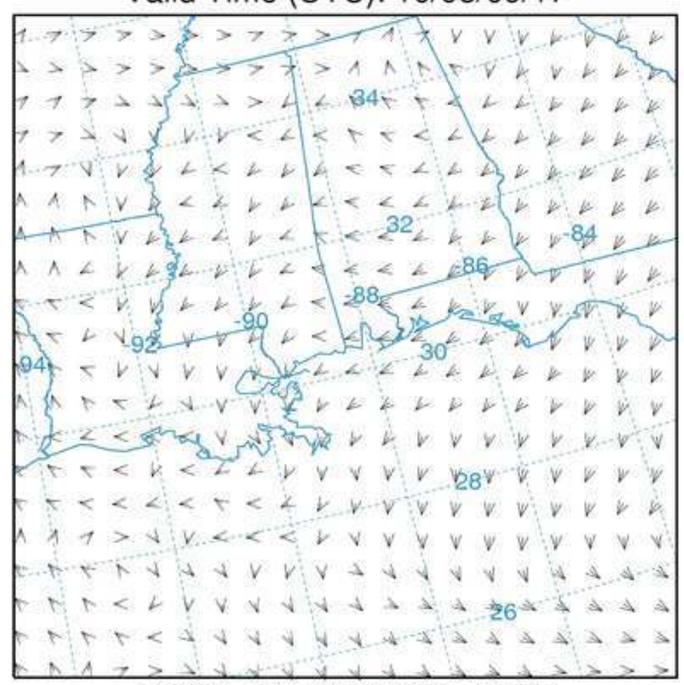
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/17



VECT (9) AT HEIGHT: 0.904

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

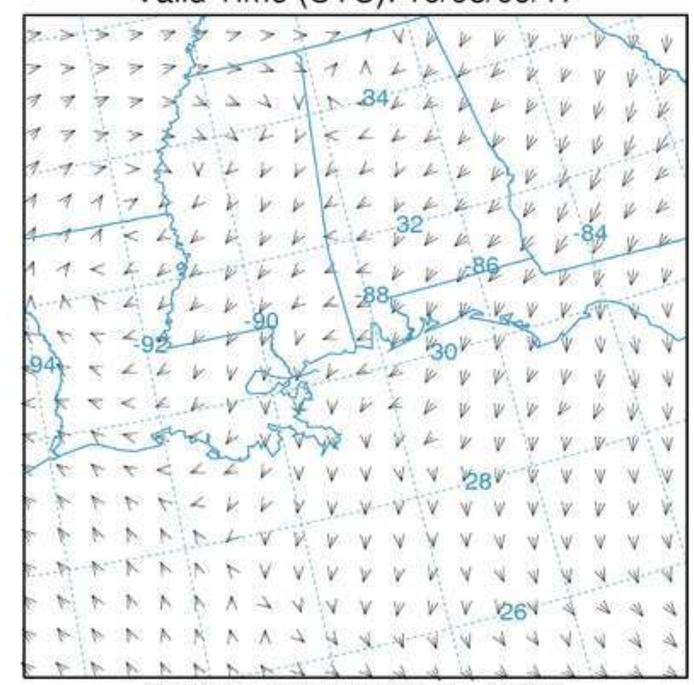
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/17



VECT (9) AT HEIGHT: 0.826

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

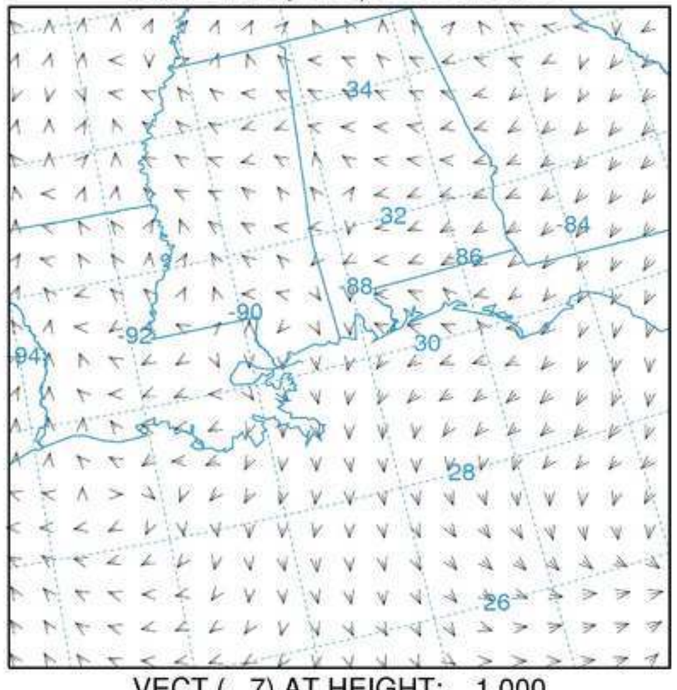
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/17



VECT (7) AT HEIGHT: 0.718

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

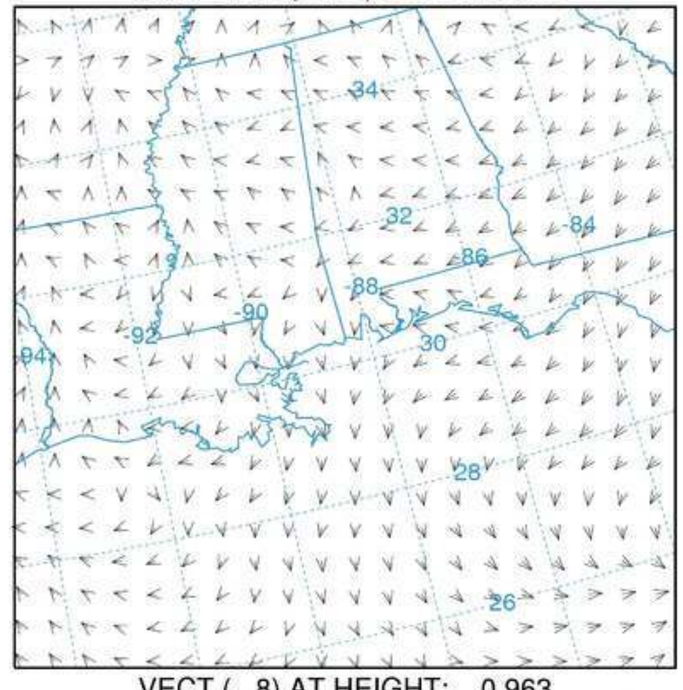
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/18



VECT (7) AT HEIGHT: 1.000

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

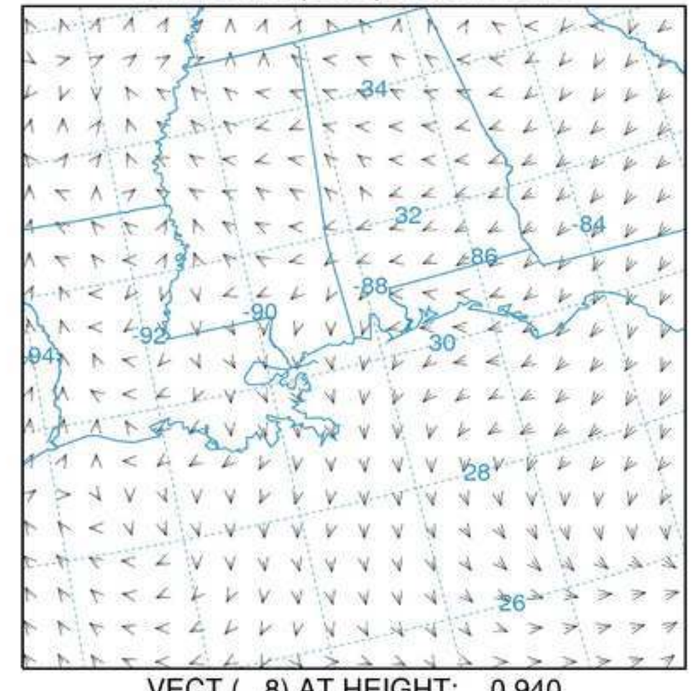
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/18



VECT (8) AT HEIGHT: 0.963

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

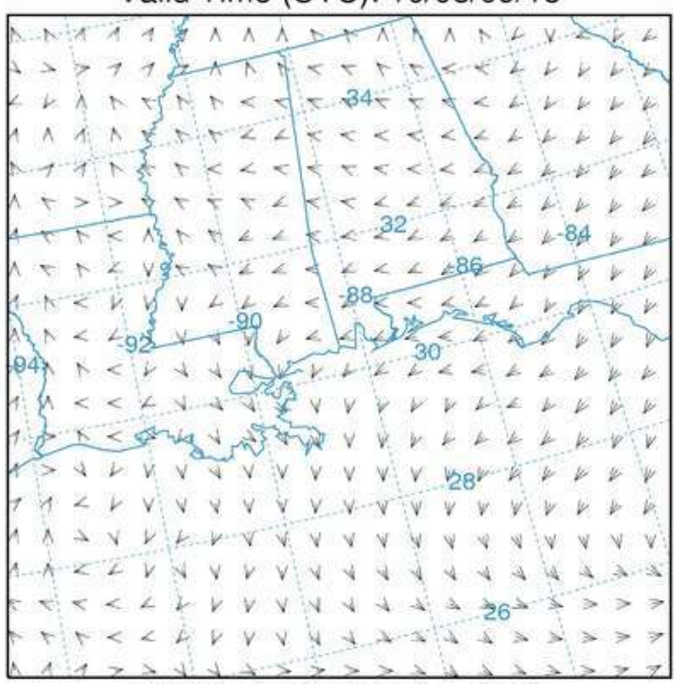
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/18



VECT (8) AT HEIGHT: 0.940

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

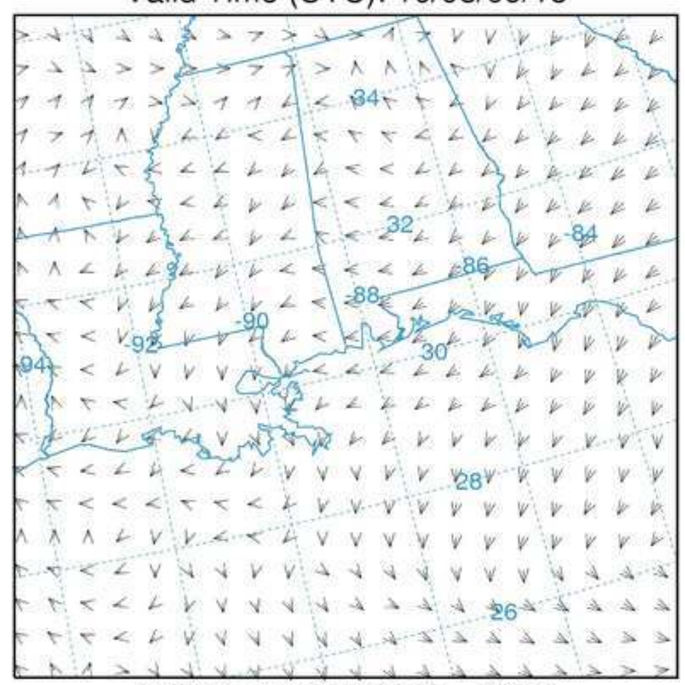
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/18



VECT (9) AT HEIGHT: 0.904

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

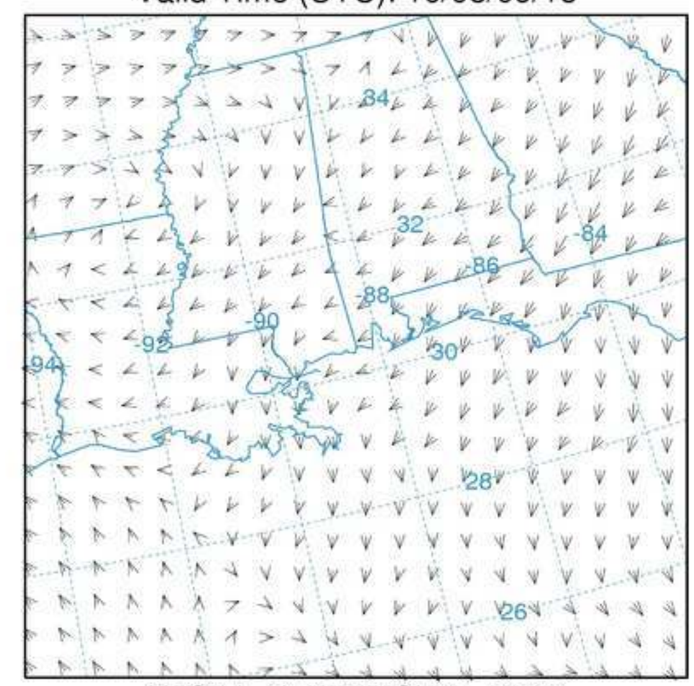
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/18



VECT (9) AT HEIGHT: 0.826

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

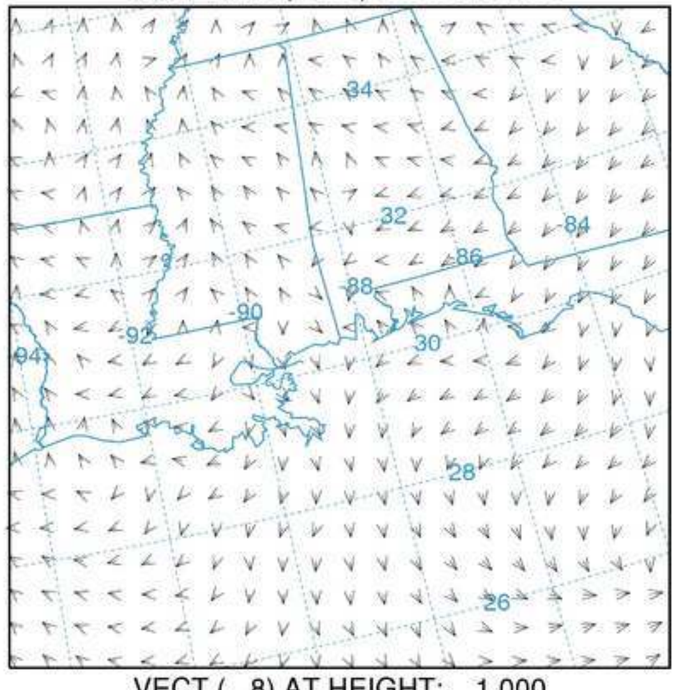
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/18



VECT (6) AT HEIGHT: 0.718

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

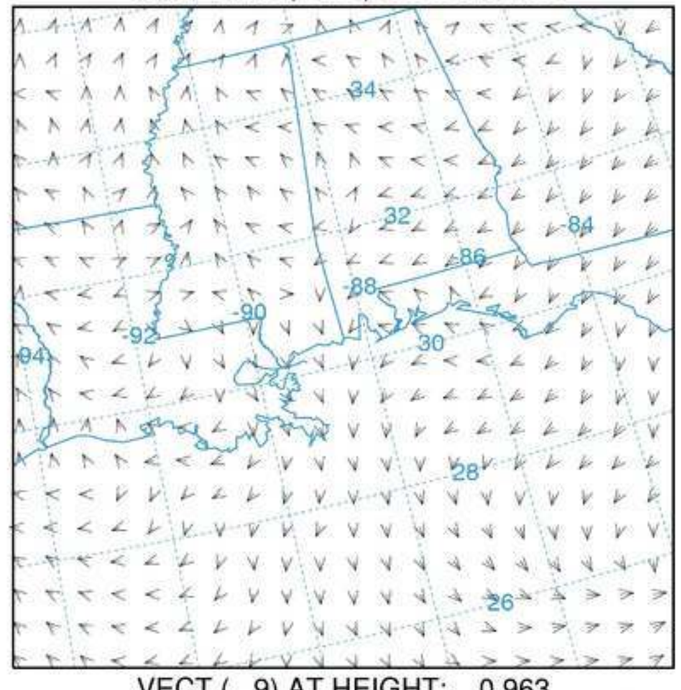
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/19



VECT (8) AT HEIGHT: 1.000

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

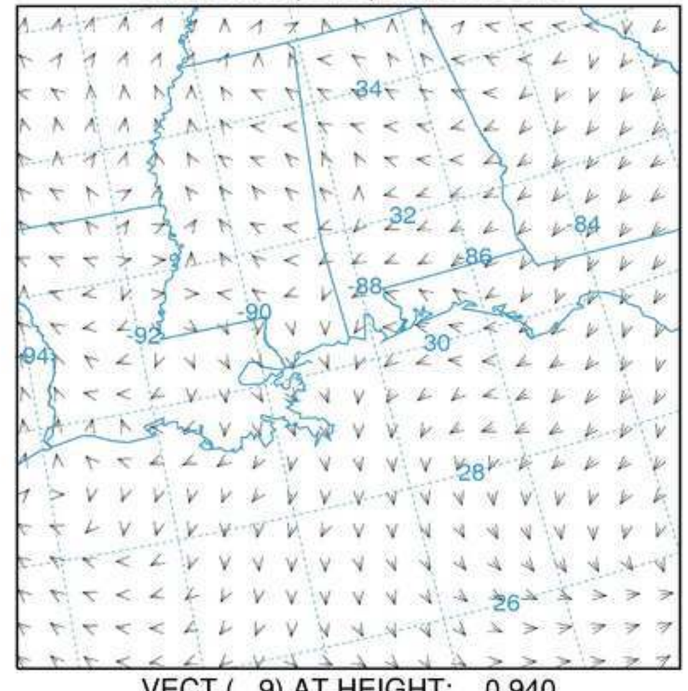
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/19



VECT (9) AT HEIGHT: 0.963

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

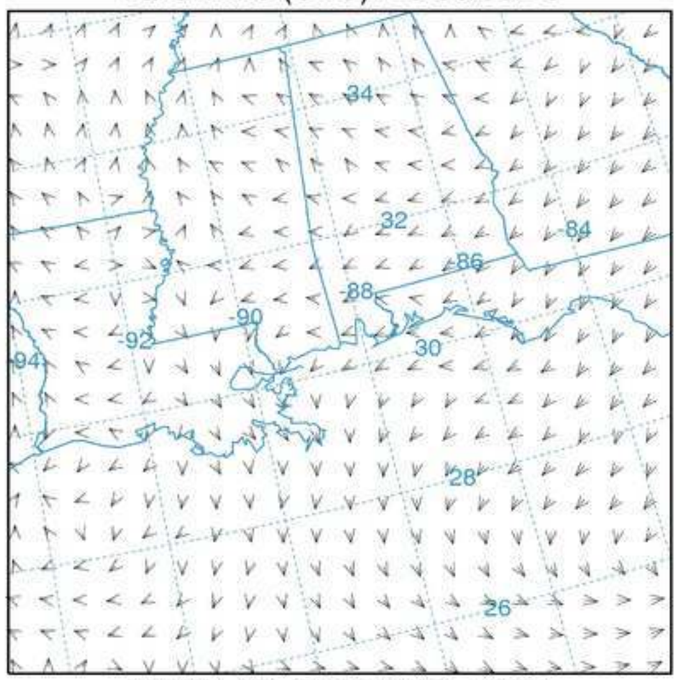
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/19



VECT (9) AT HEIGHT: 0.940

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

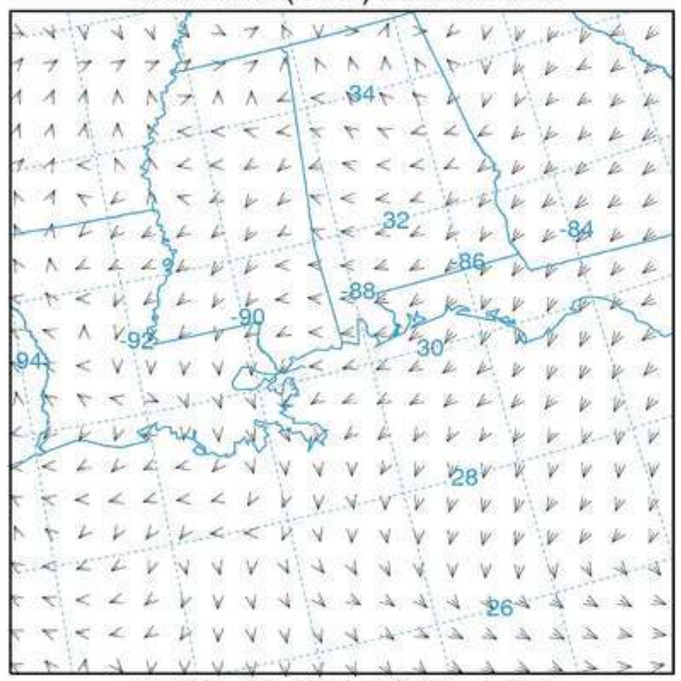
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/19



VECT (10) AT HEIGHT: 0.904

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

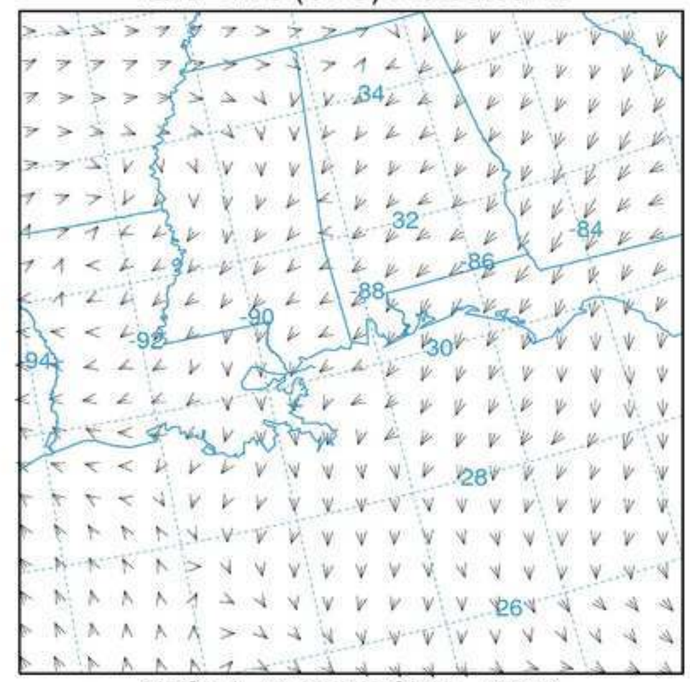
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/19



VECT (10) AT HEIGHT: 0.826

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

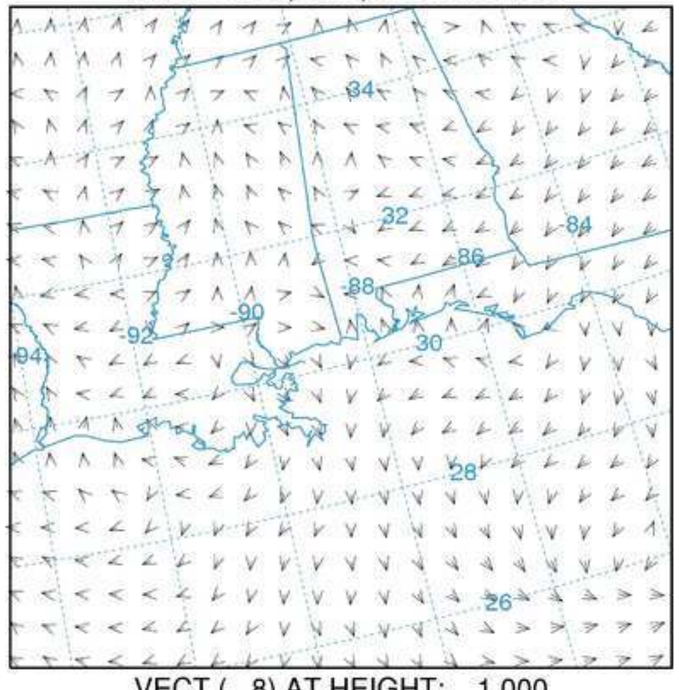
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/19



VECT (6) AT HEIGHT: 0.718

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

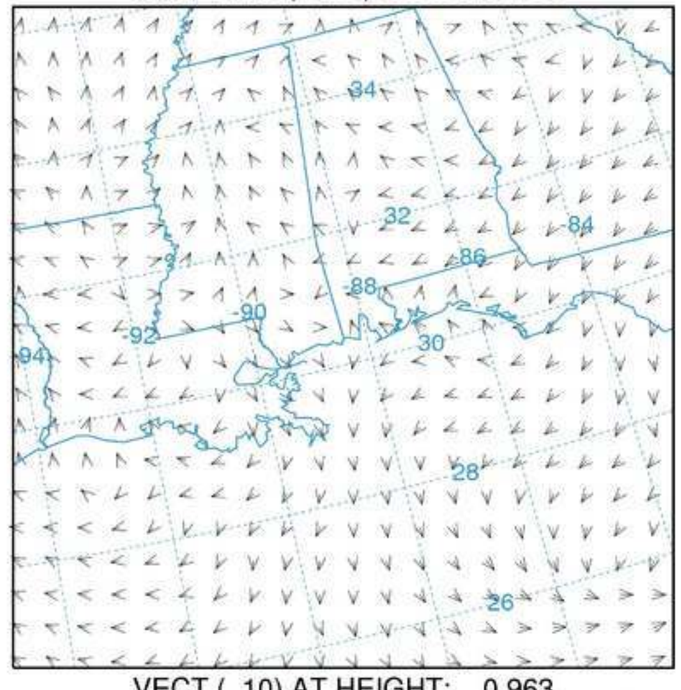
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/20



VECT (8) AT HEIGHT: 1.000

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

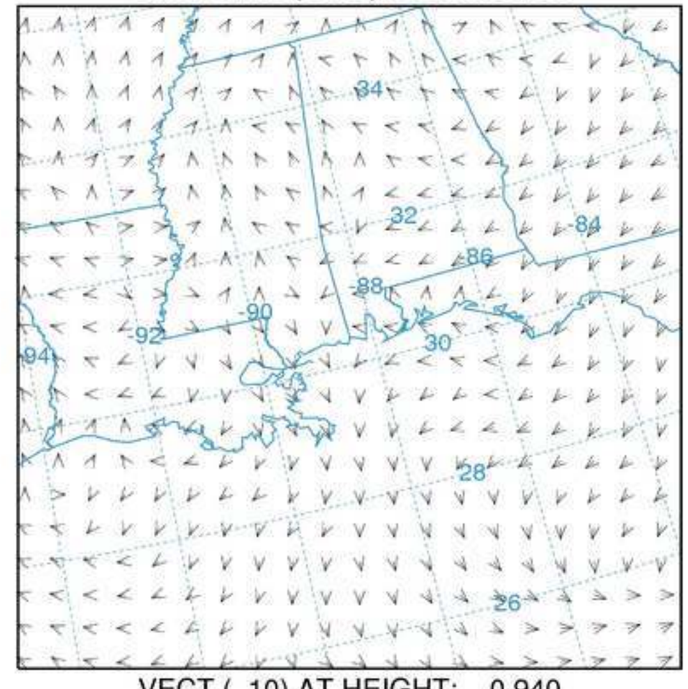
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/20



VECT (10) AT HEIGHT: 0.963

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

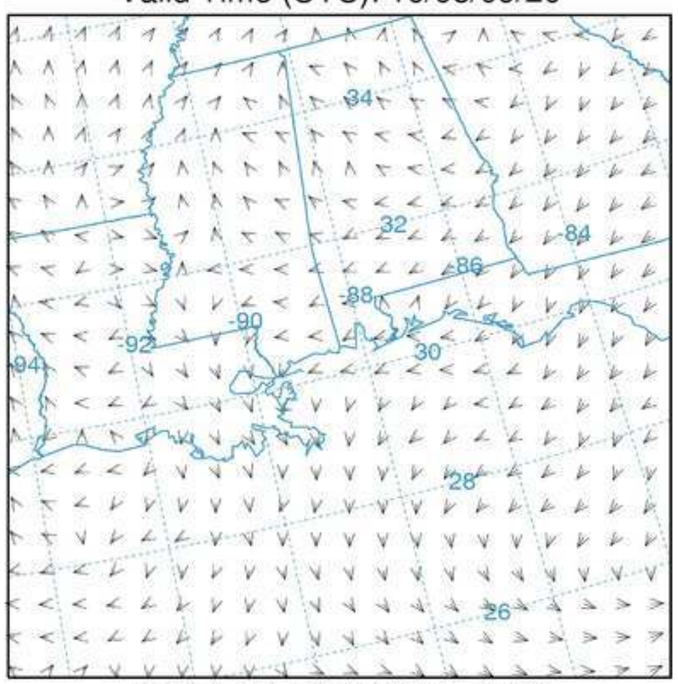
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/20



VECT (10) AT HEIGHT: 0.940

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

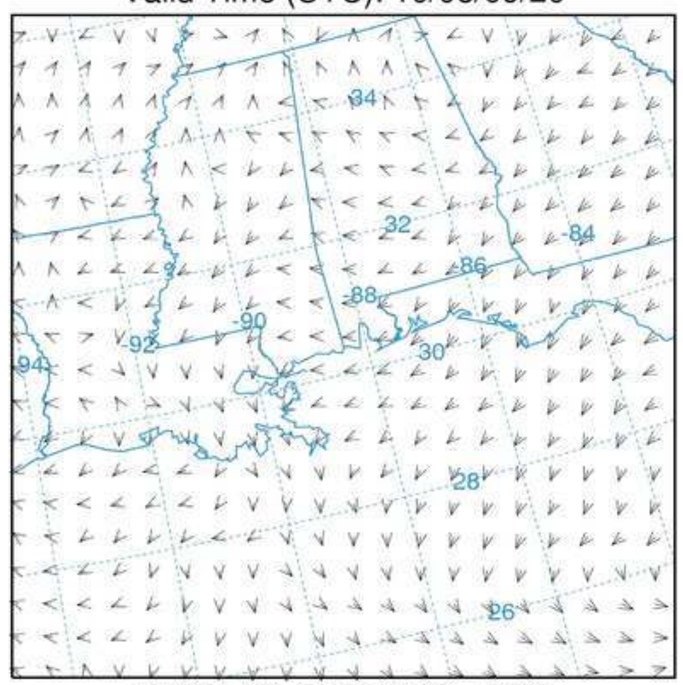
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/20



VECT (11) AT HEIGHT: 0.904

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

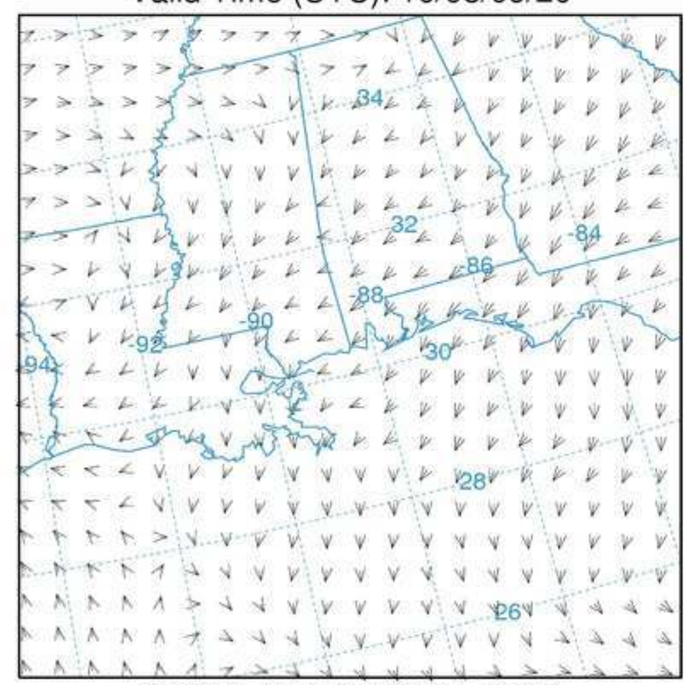
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/20



VECT (10) AT HEIGHT: 0.826

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

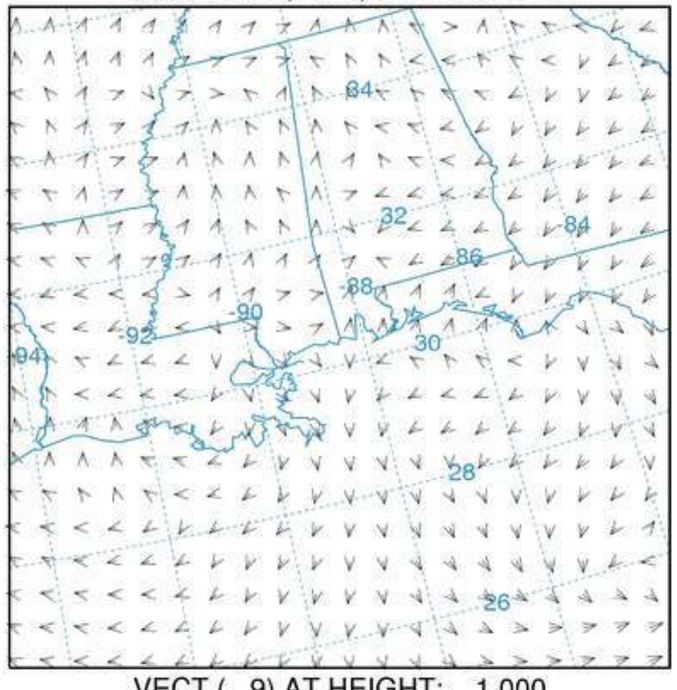
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/20



VECT (8) AT HEIGHT: 0.718

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

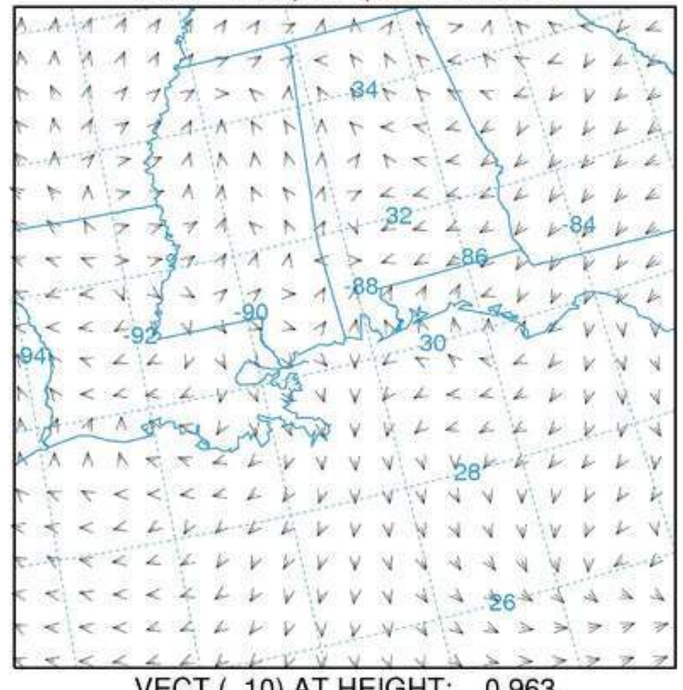
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/21



VECT (9) AT HEIGHT: 1.000

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

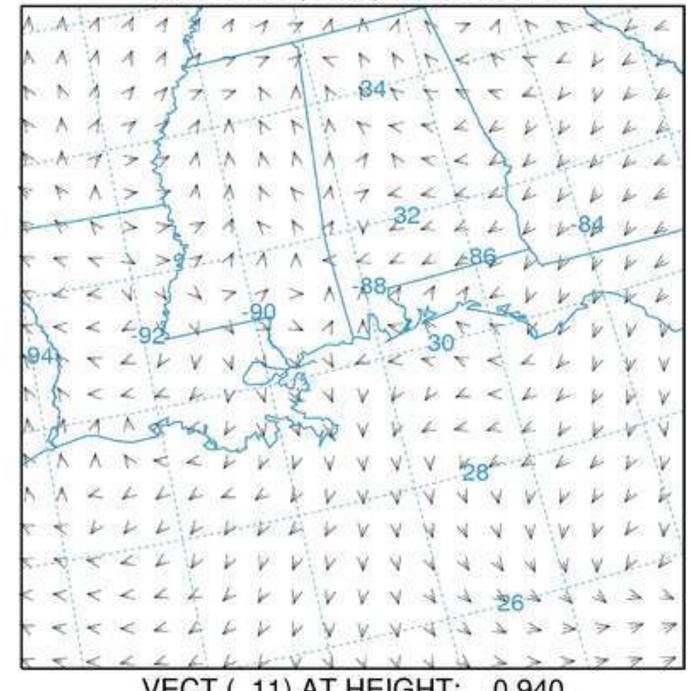
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/21



VECT (10) AT HEIGHT: 0.963

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

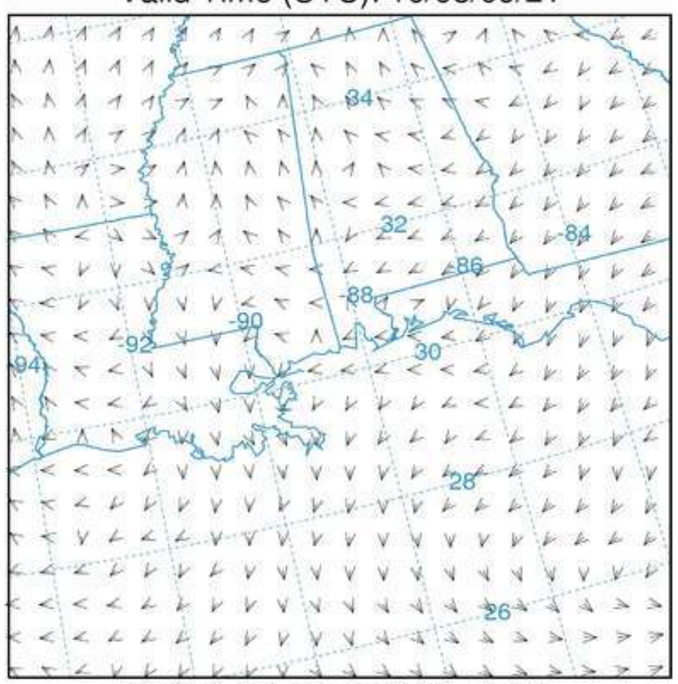
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/21



VECT (11) AT HEIGHT: 0.940

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

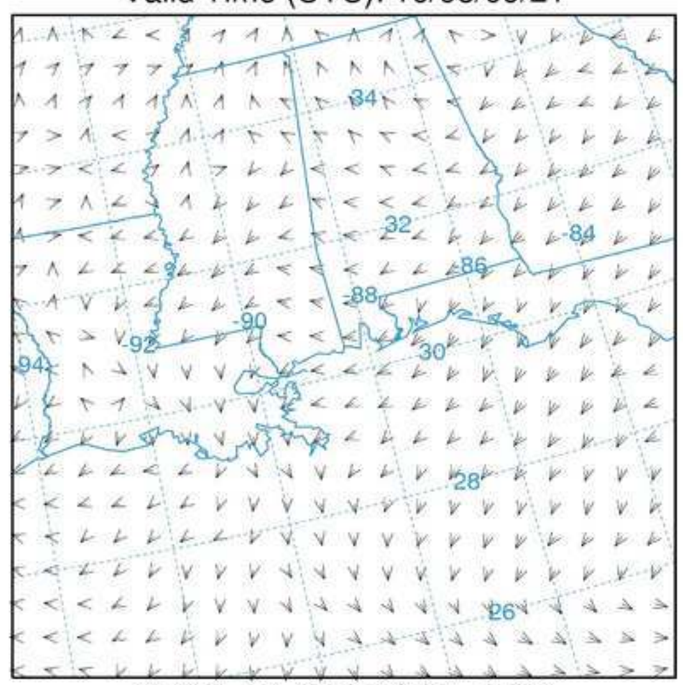
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/21



VECT (11) AT HEIGHT: 0.904

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

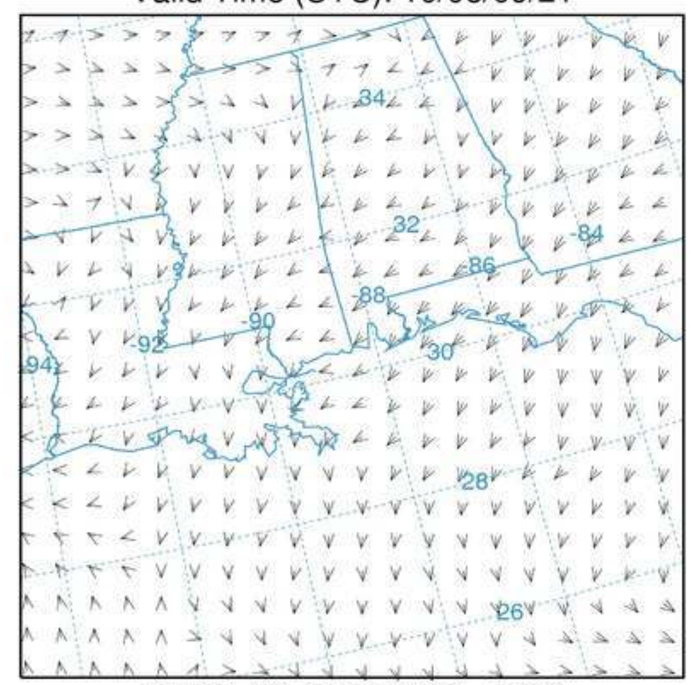
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/21



VECT (11) AT HEIGHT: 0.826

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

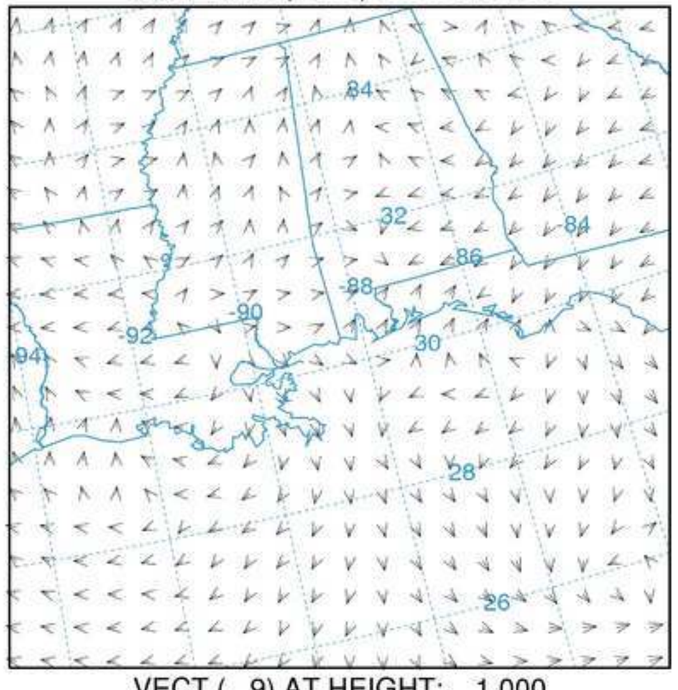
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/21



VECT (10) AT HEIGHT: 0.718

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

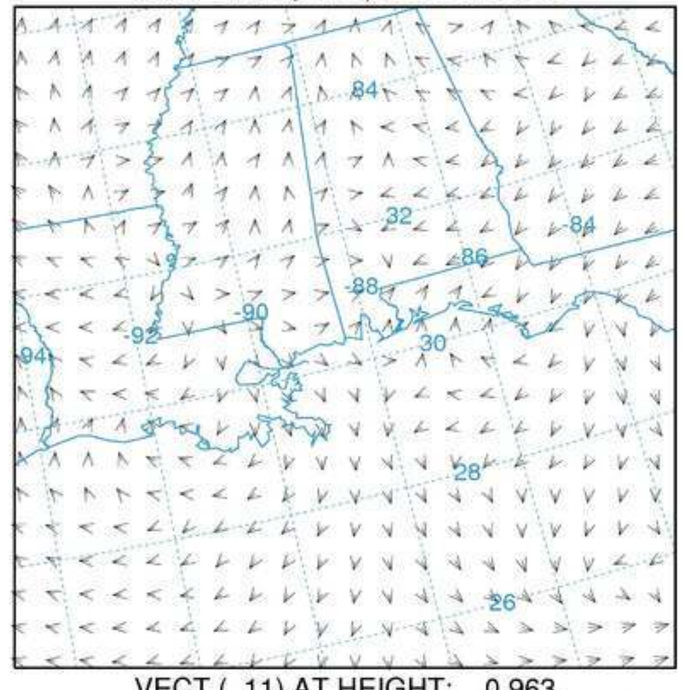
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/22



VECT (9) AT HEIGHT: 1.000

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

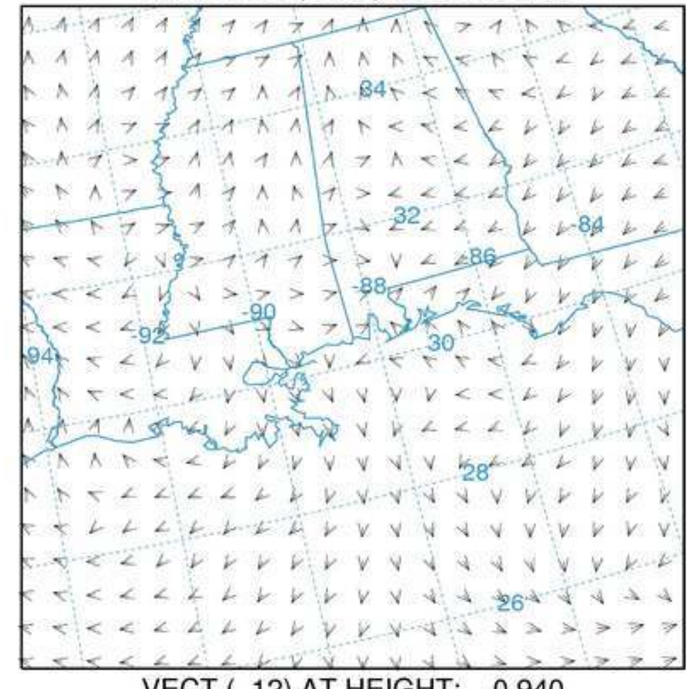
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/22



VECT (11) AT HEIGHT: 0.963

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

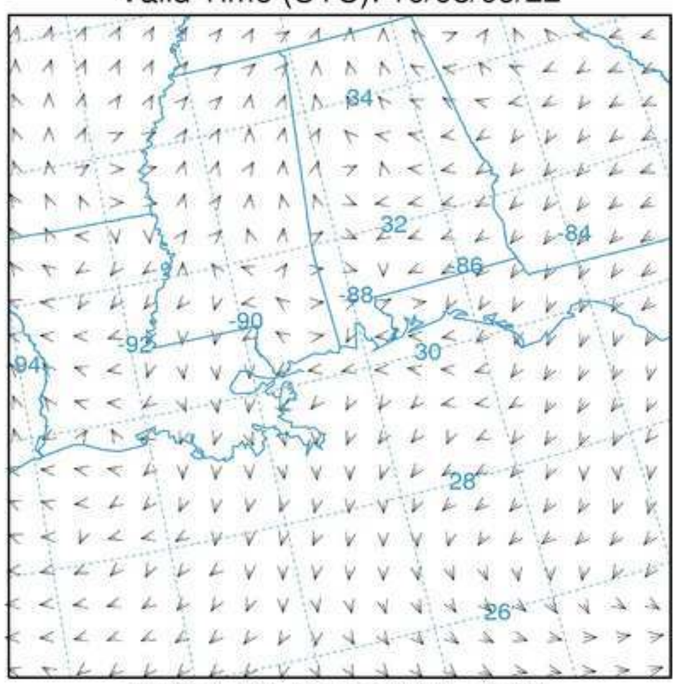
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/22



VECT (12) AT HEIGHT: 0.940

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

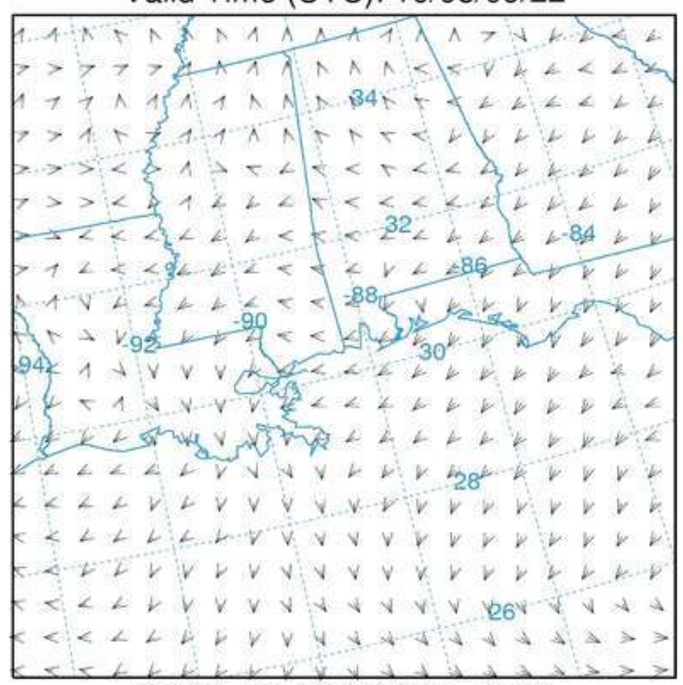
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/22



VECT (12) AT HEIGHT: 0.904

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

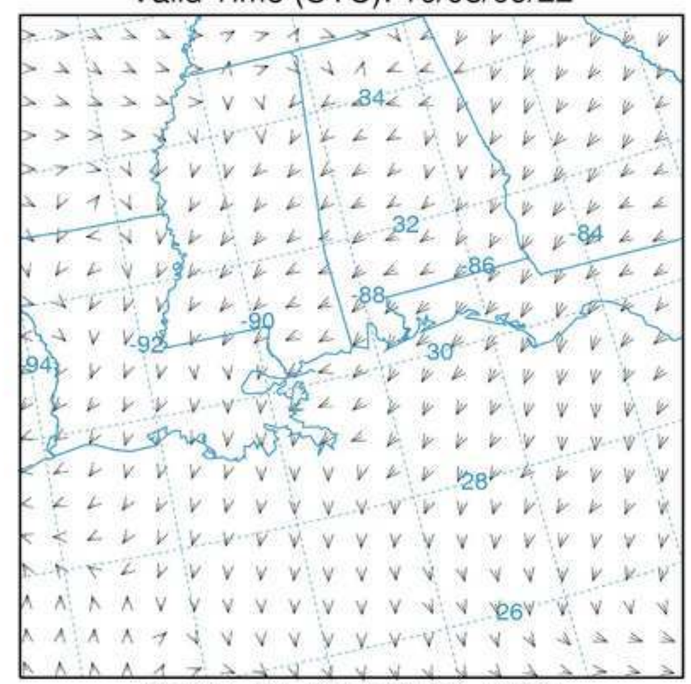
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/22



VECT (12) AT HEIGHT: 0.826

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

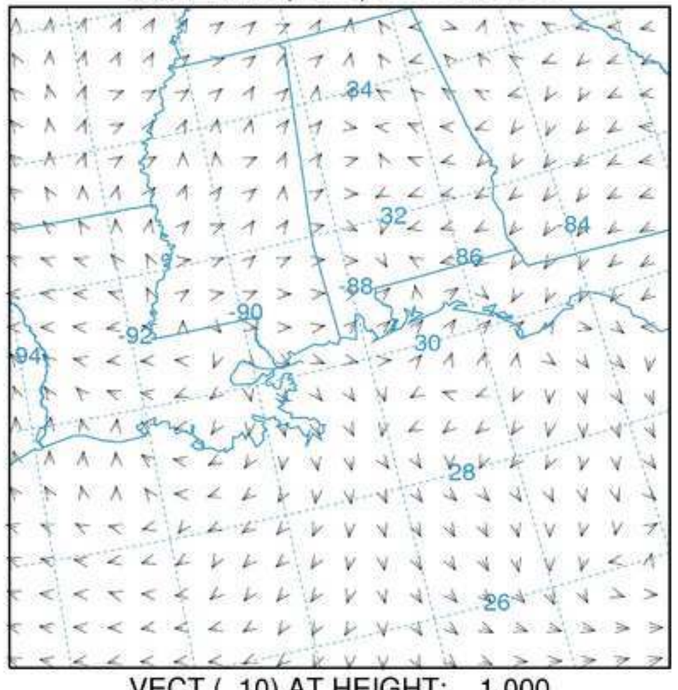
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/22



VECT (10) AT HEIGHT: 0.718

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

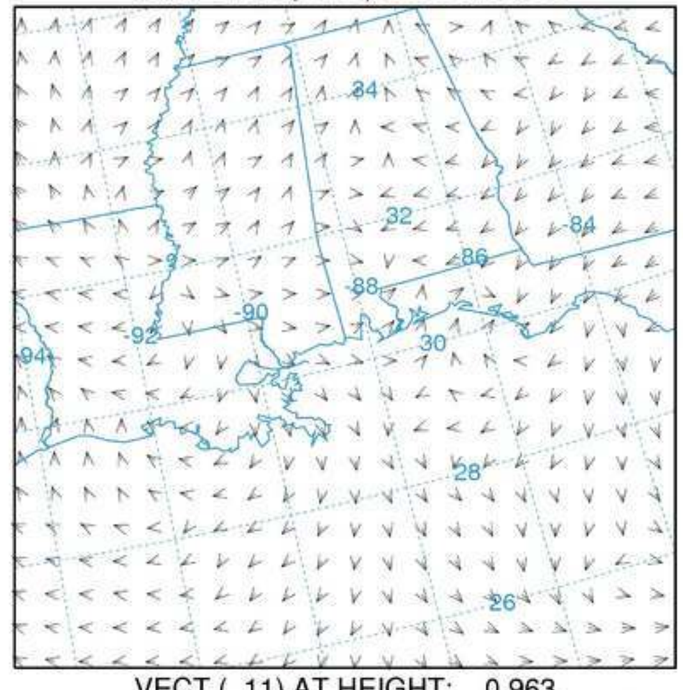
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/23



VECT (10) AT HEIGHT: 1.000

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

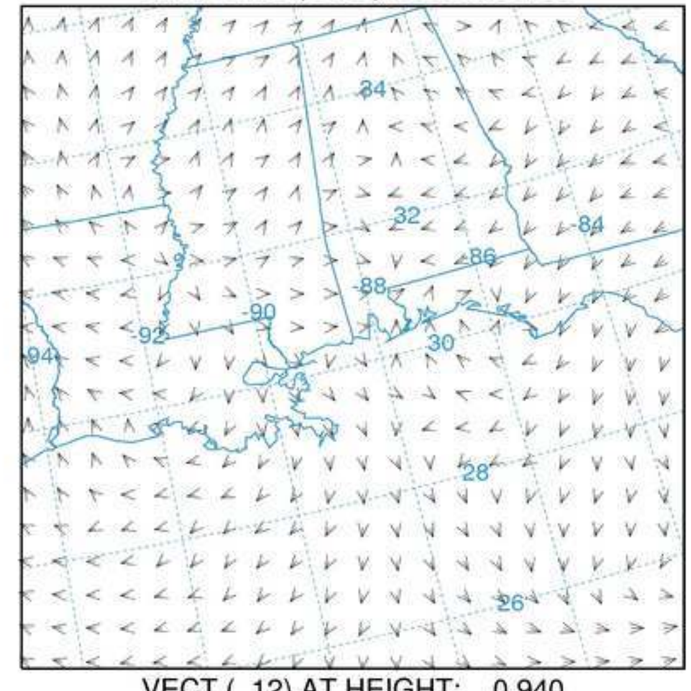
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/23



VECT (11) AT HEIGHT: 0.963

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

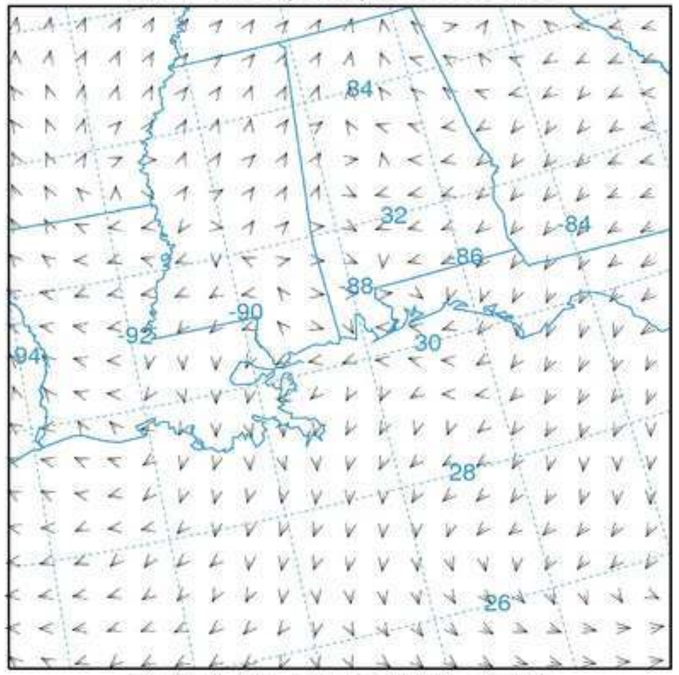
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/23



VECT (12) AT HEIGHT: 0.940

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

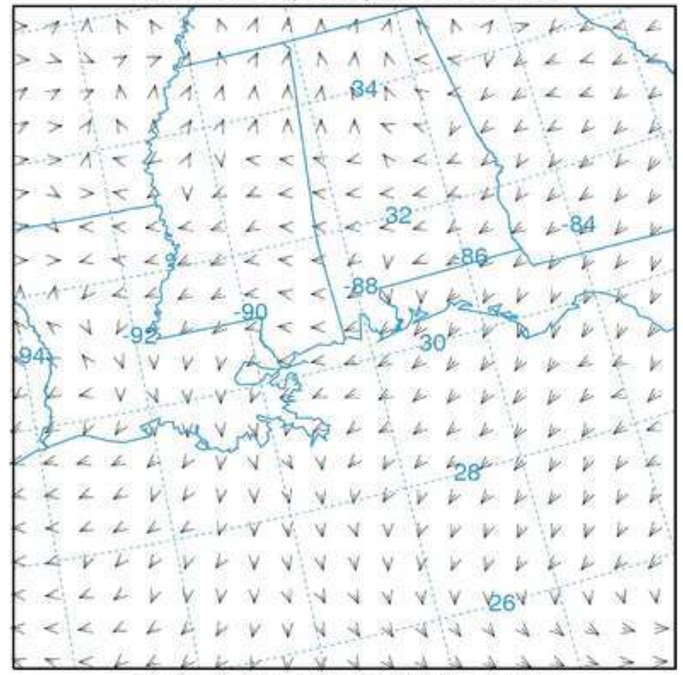
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/23



VECT (13) AT HEIGHT: 0.904

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

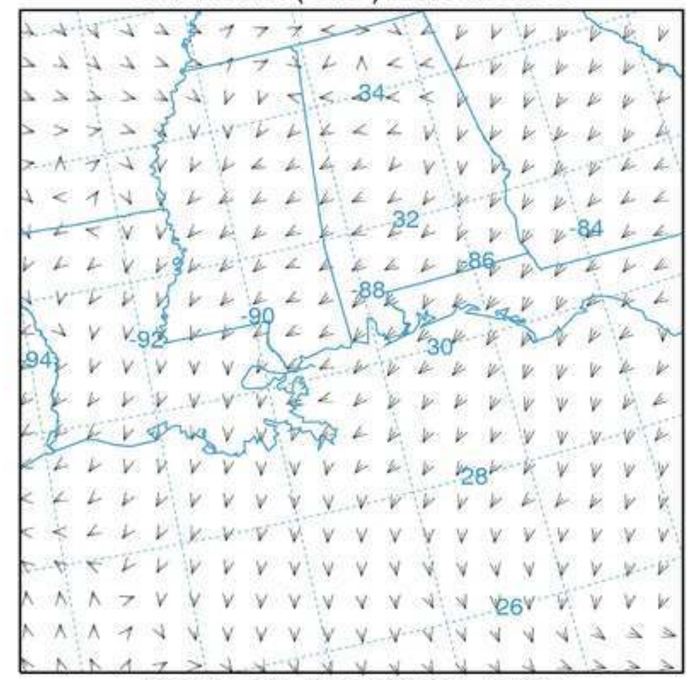
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/23



VECT (13) AT HEIGHT: 0.826

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

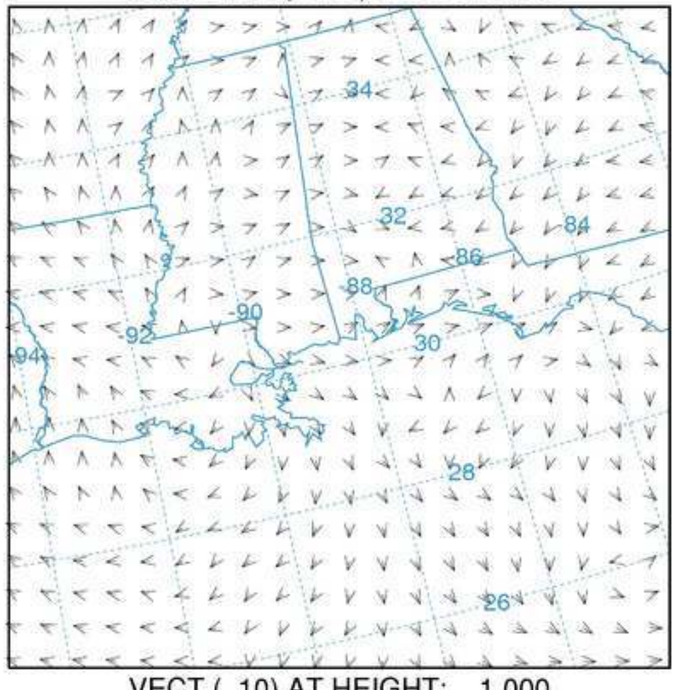
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/09/23



VECT (12) AT HEIGHT: 0.718

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

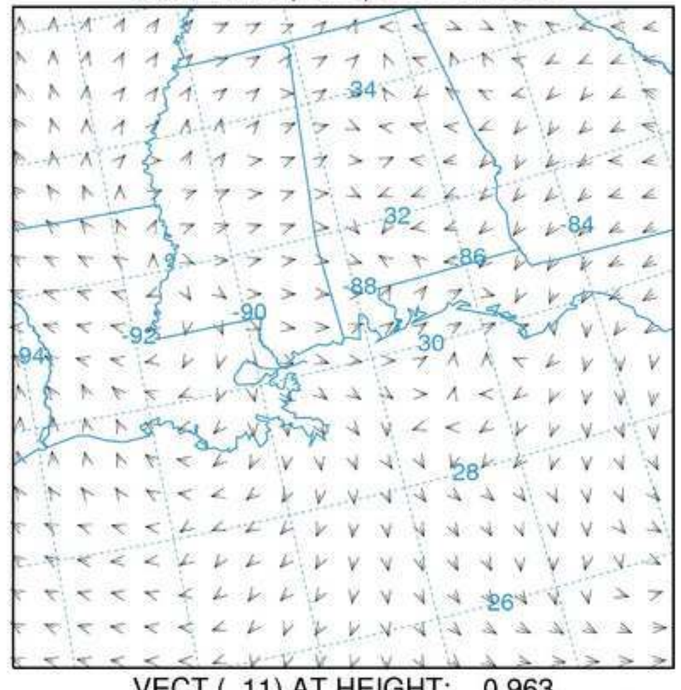
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/00



VECT (10) AT HEIGHT: 1.000

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

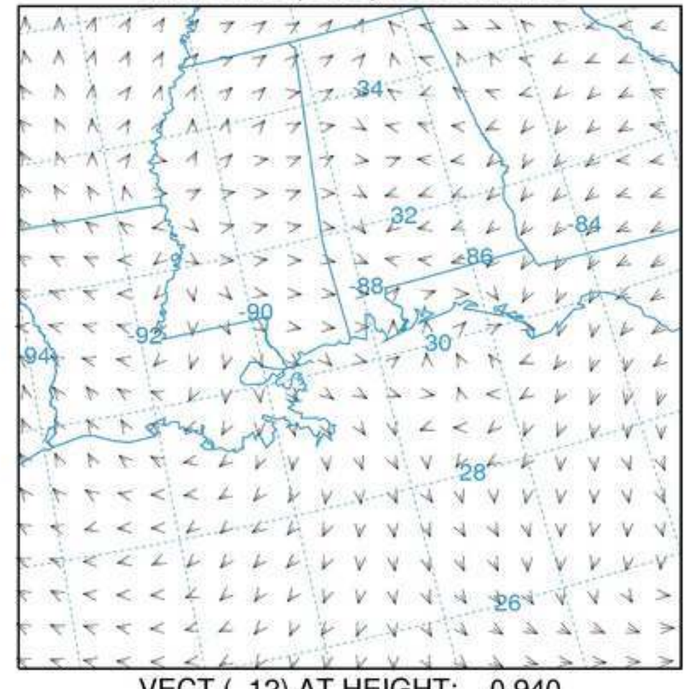
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/00



VECT (11) AT HEIGHT: 0.963

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

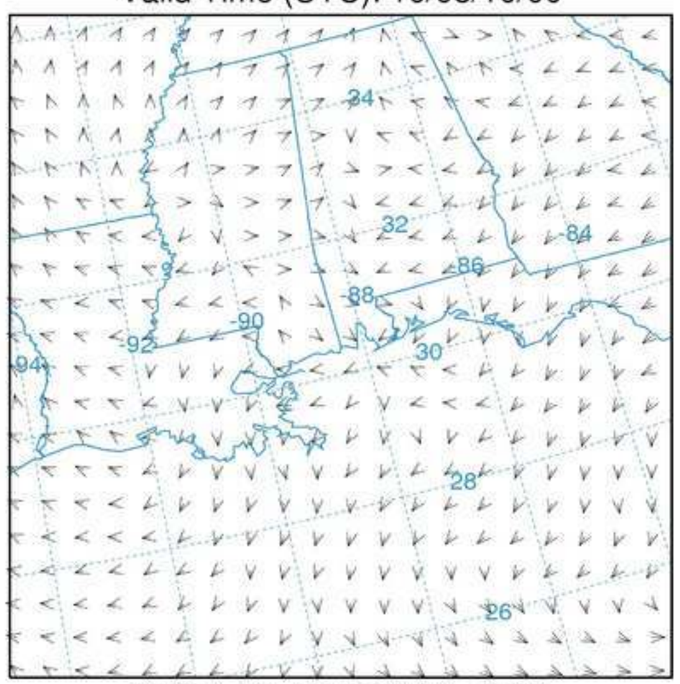
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/00



VECT (12) AT HEIGHT: 0.940

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

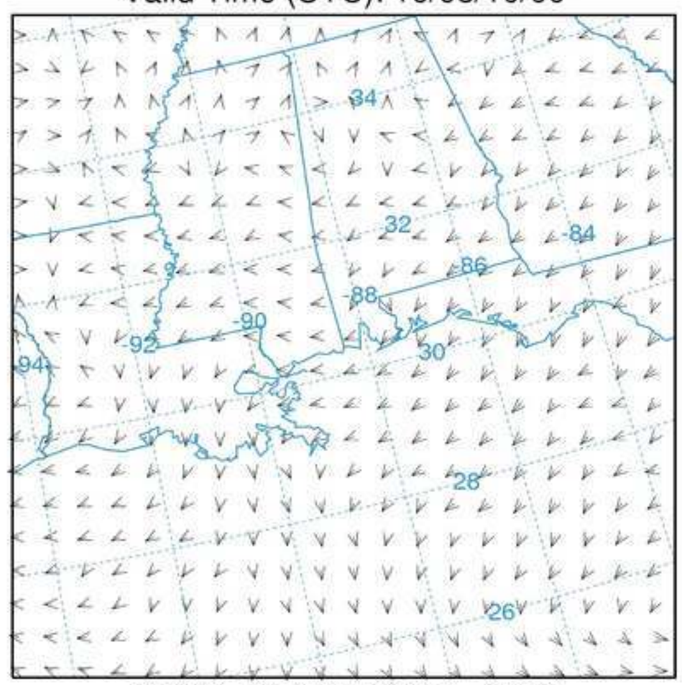
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/00



VECT (13) AT HEIGHT: 0.904

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

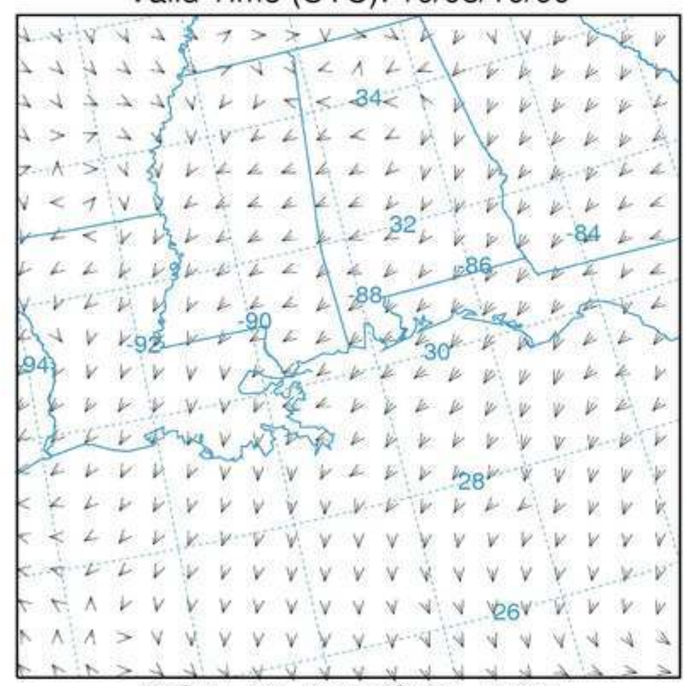
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/00



VECT (13) AT HEIGHT: 0.826

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

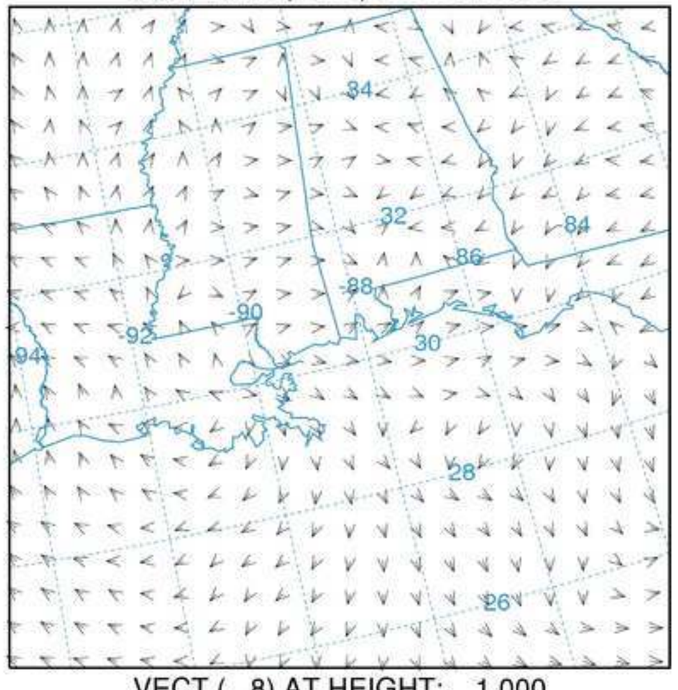
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/00



VECT (12) AT HEIGHT: 0.718

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

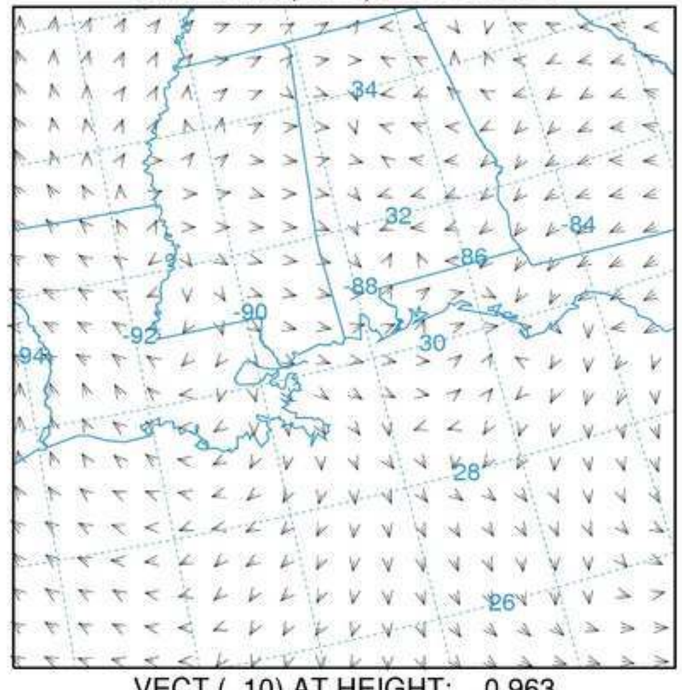
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/01



VECT (8) AT HEIGHT: 1.000

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

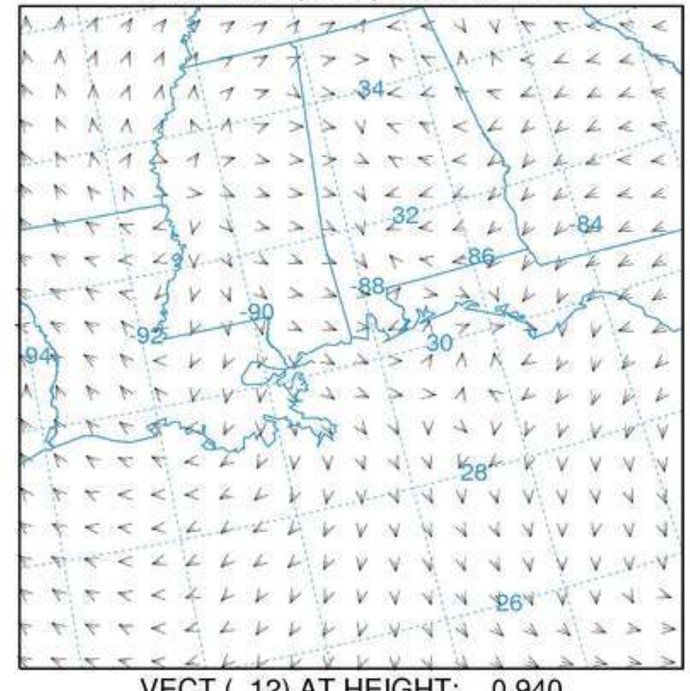
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/01



VECT (10) AT HEIGHT: 0.963

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

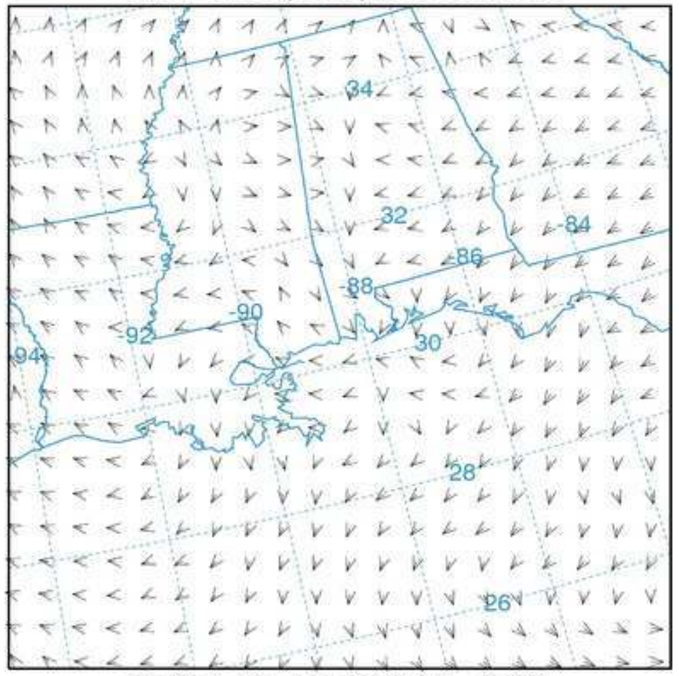
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/01



VECT (12) AT HEIGHT: 0.940

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

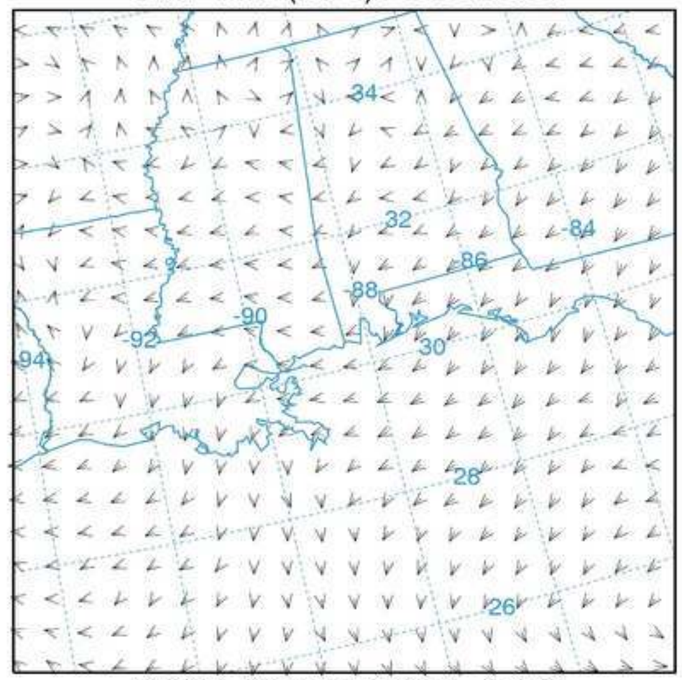
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/01



VECT (13) AT HEIGHT: 0.904

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

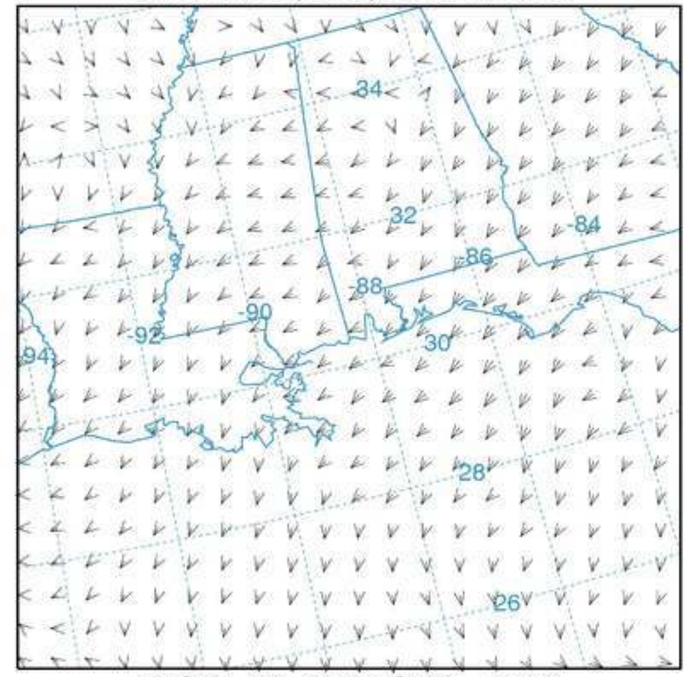
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/01



VECT (13) AT HEIGHT: 0.826

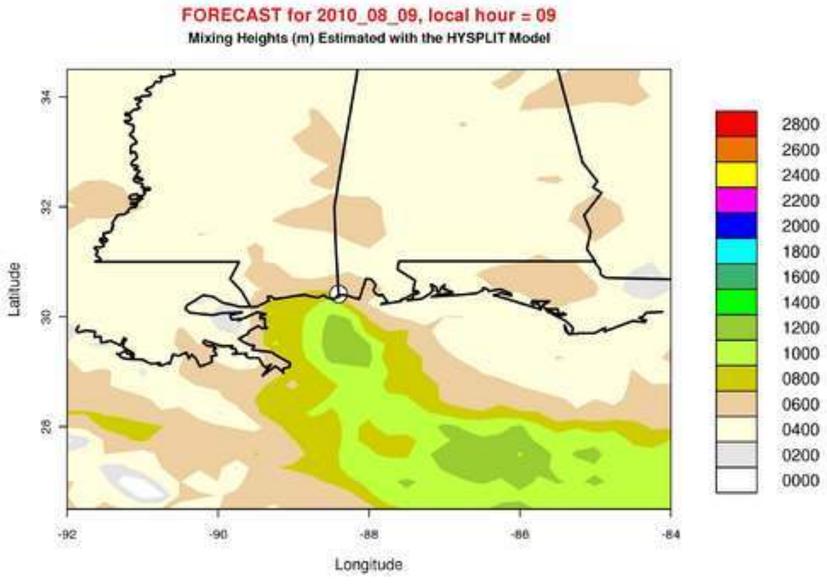
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

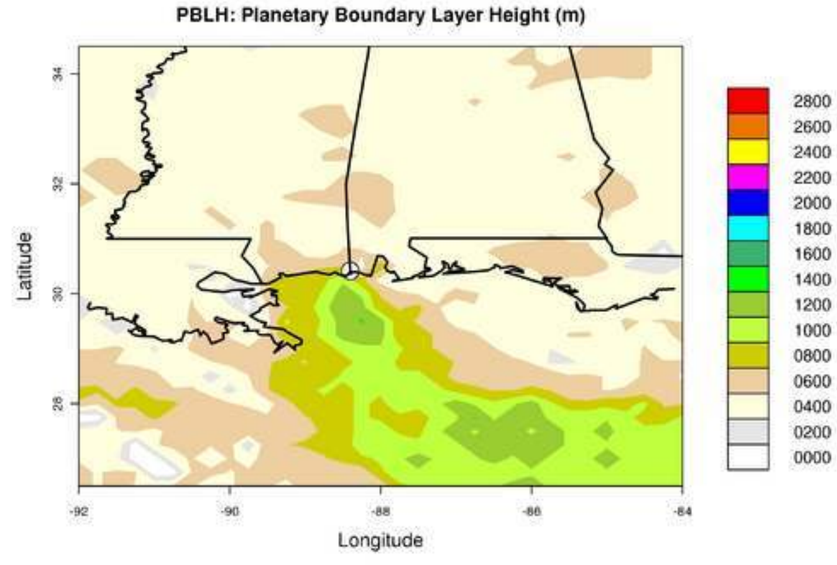
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/08/10/01

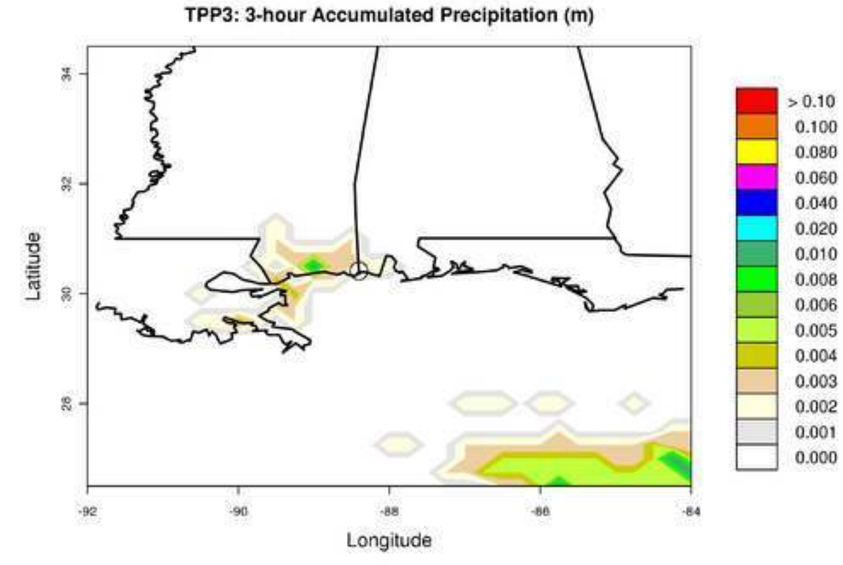


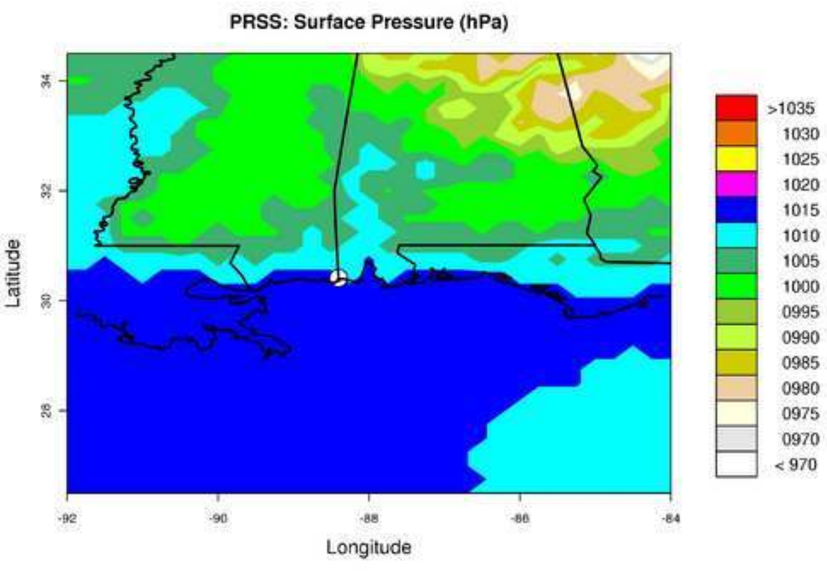
VECT (12) AT HEIGHT: 0.718

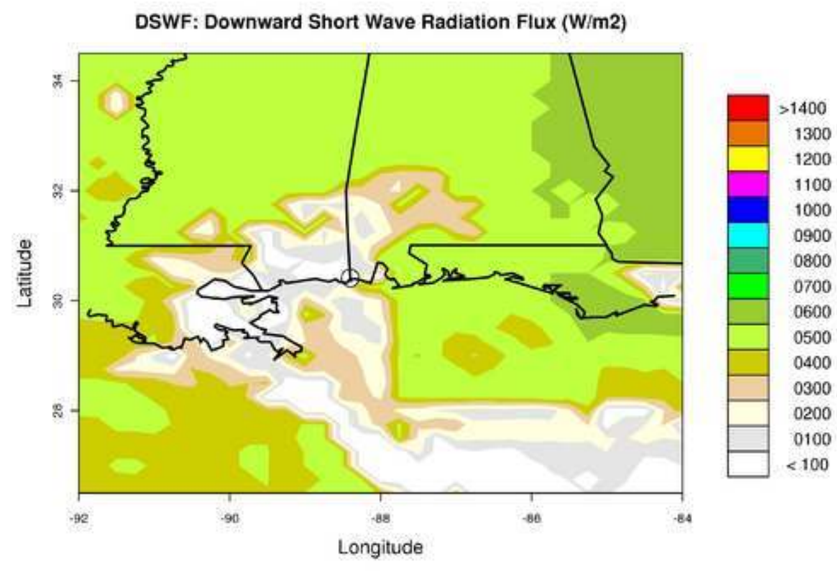
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

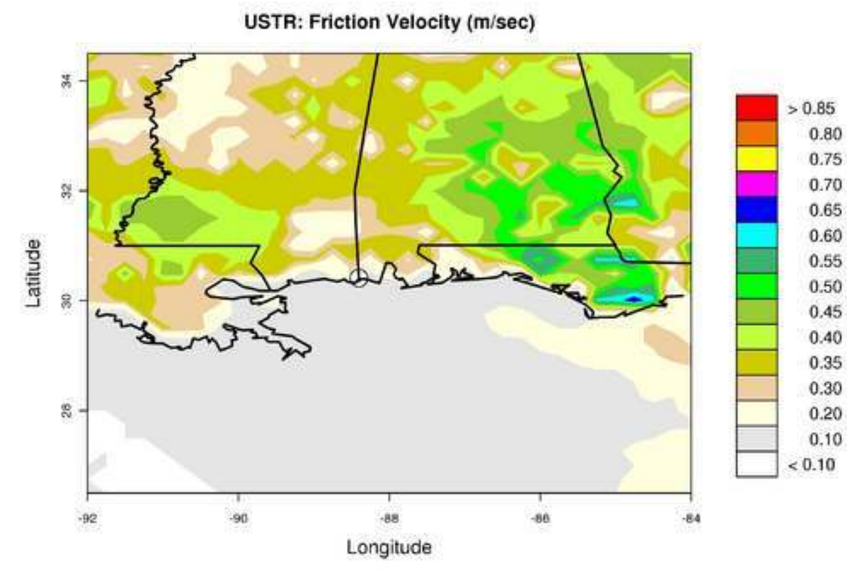

FORECAST for 2010_08_09, local hour = 09
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

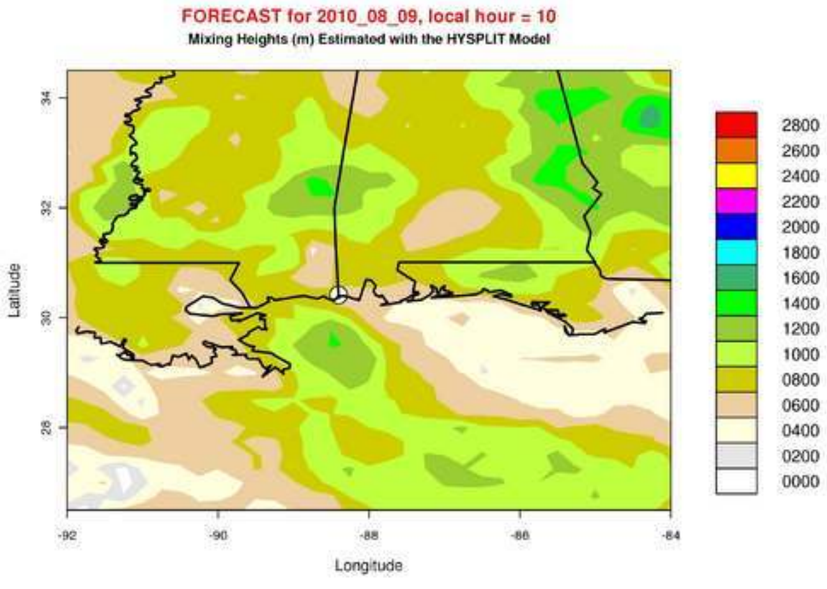

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

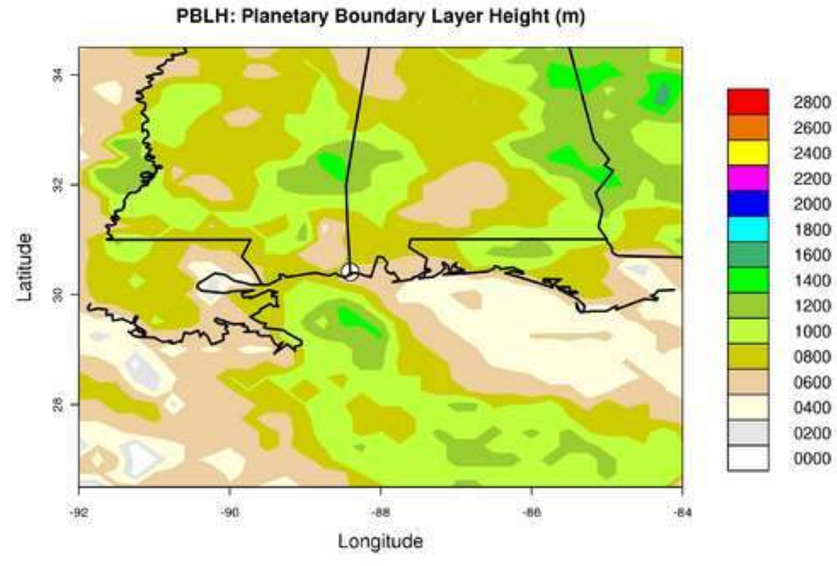

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

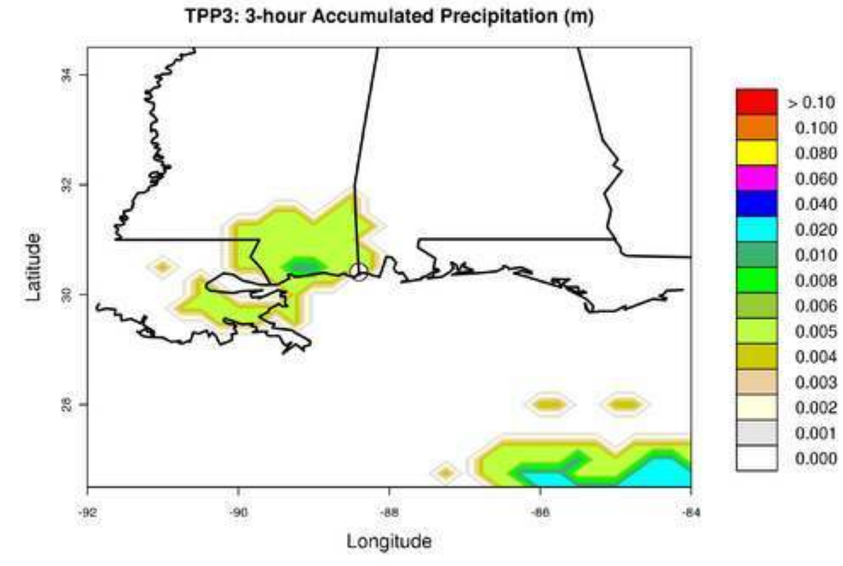

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

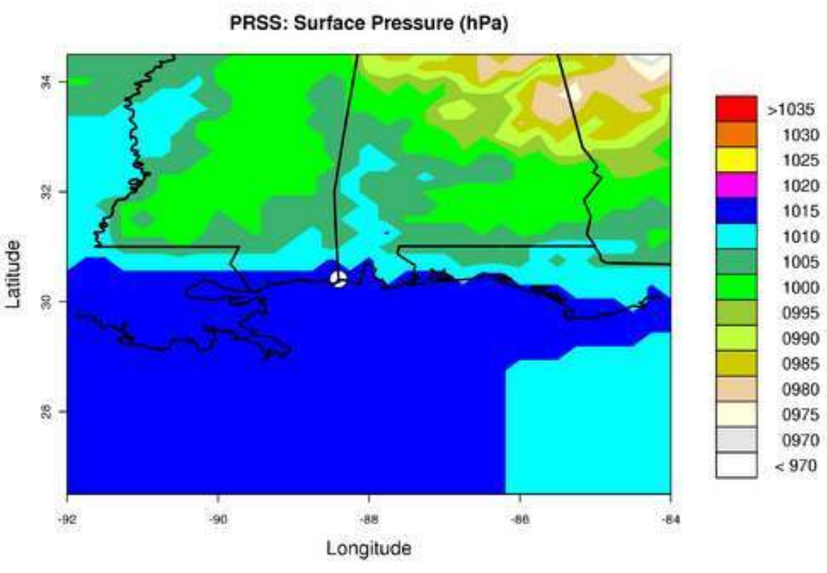

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

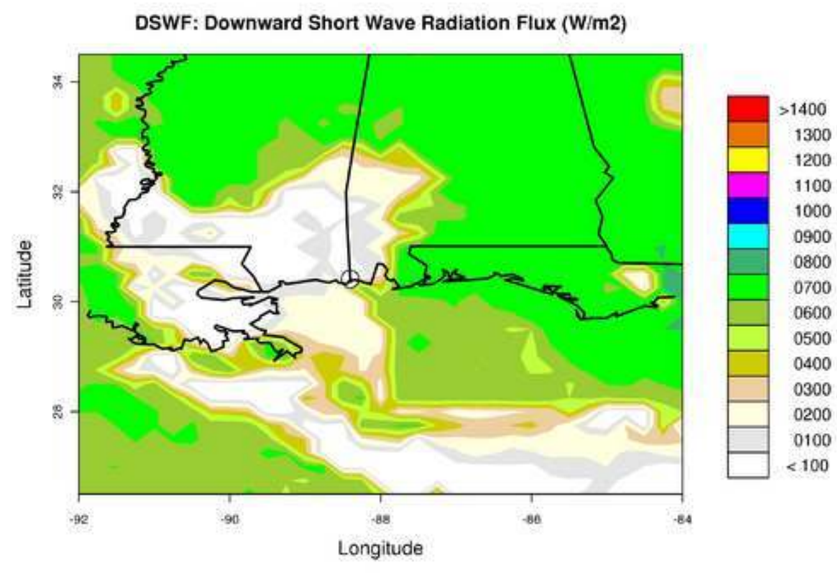

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

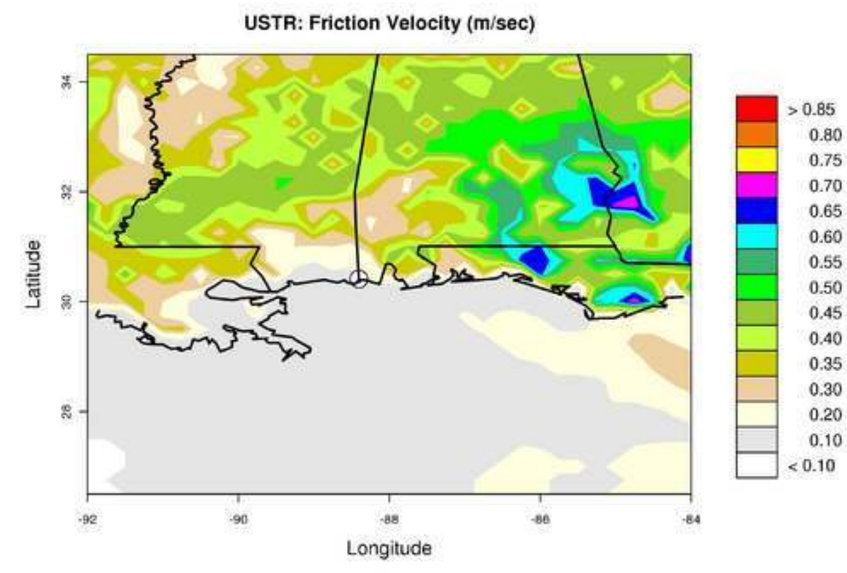

FORECAST for 2010_08_09, local hour = 10
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

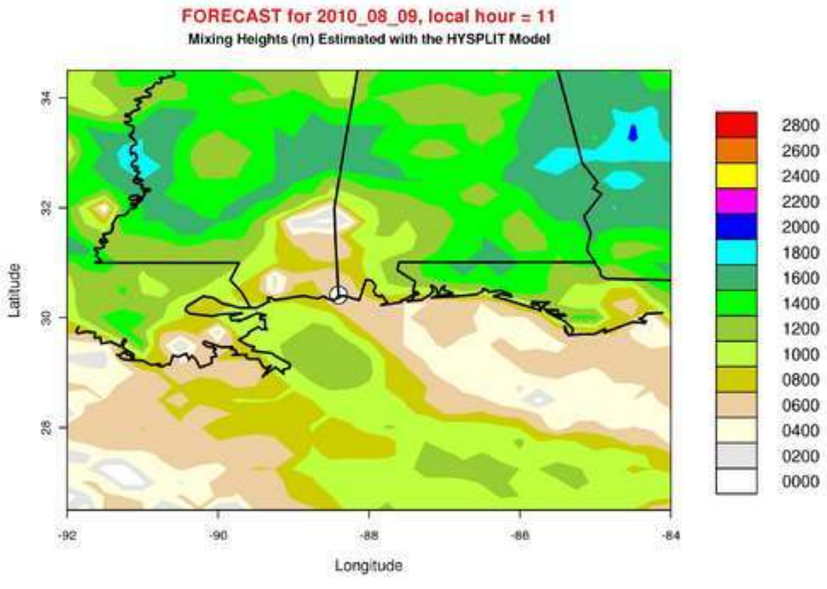

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

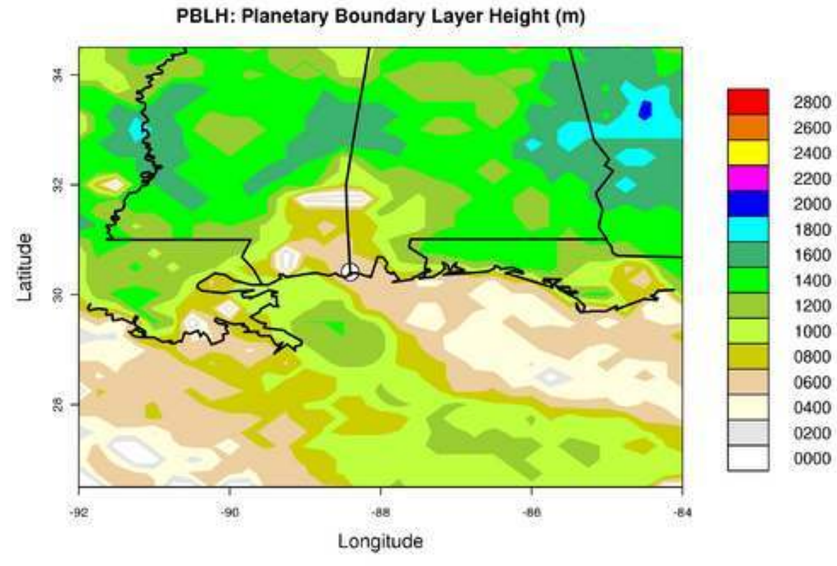

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

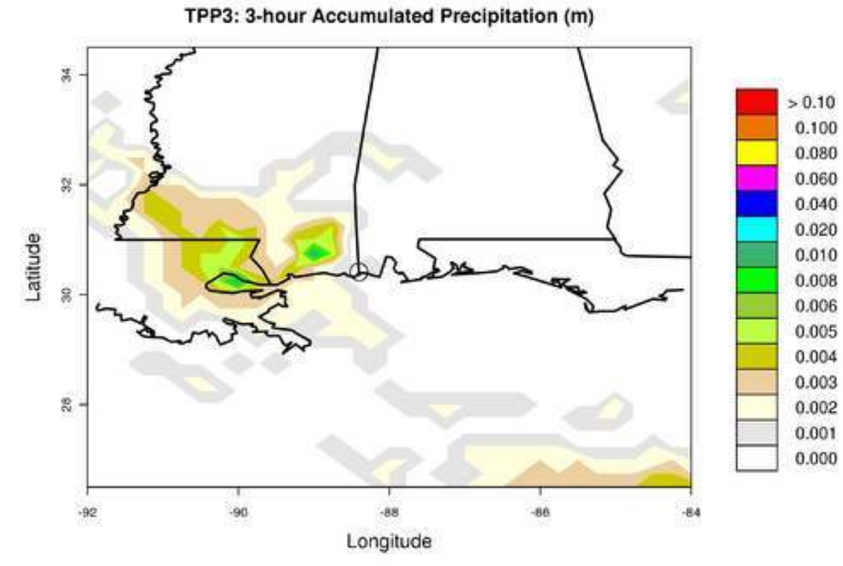

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

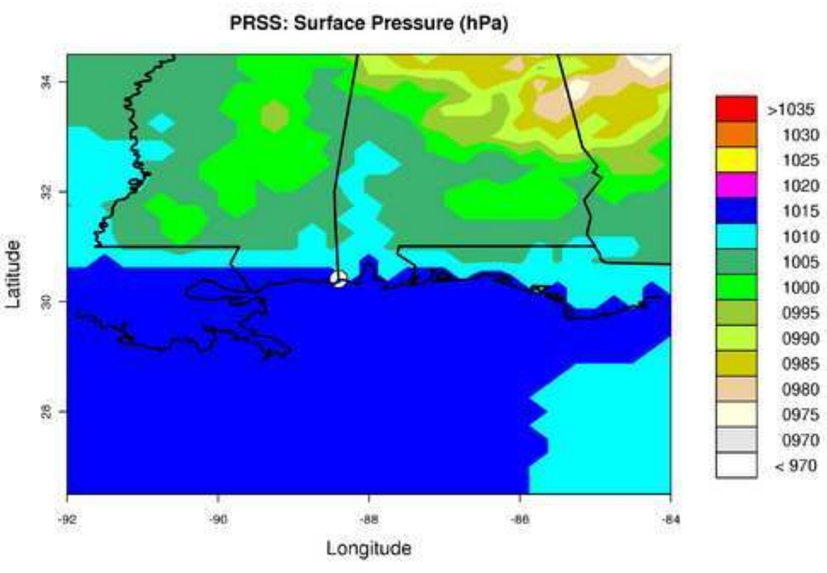

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

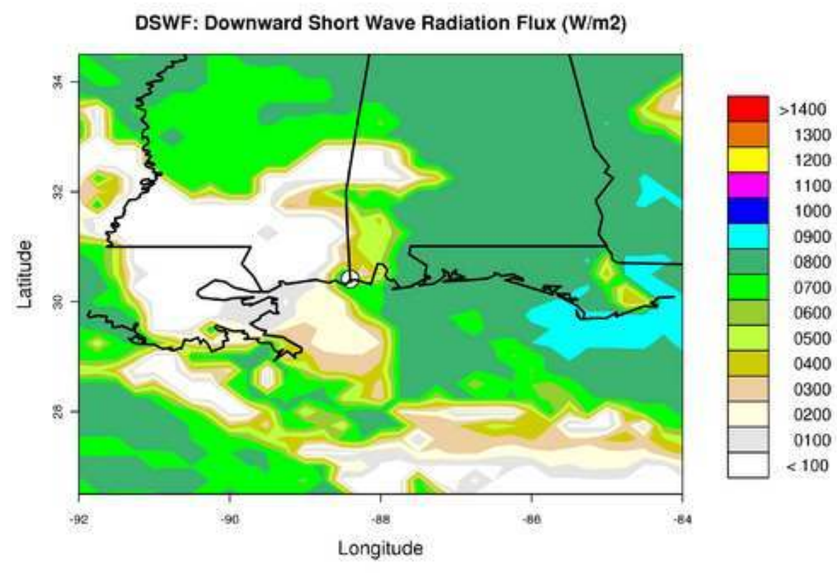

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

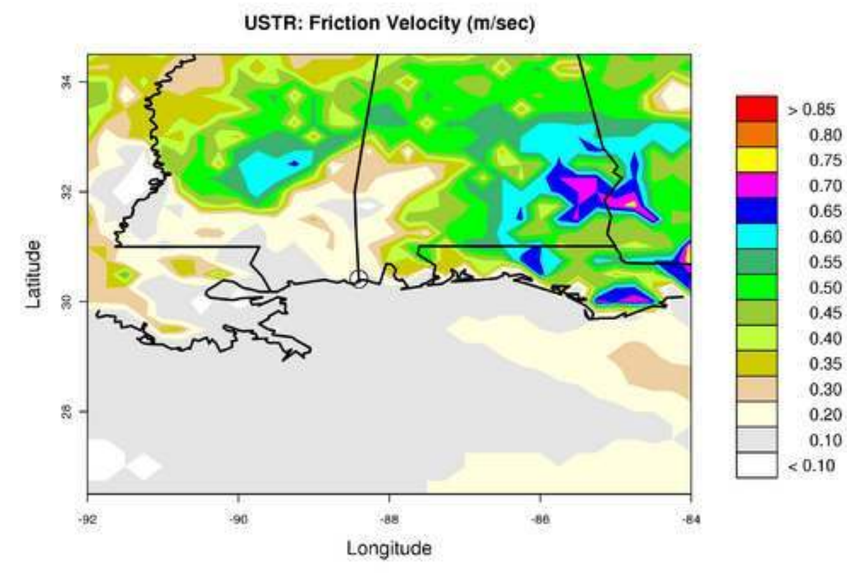

FORECAST for 2010_08_09, local hour = 11
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

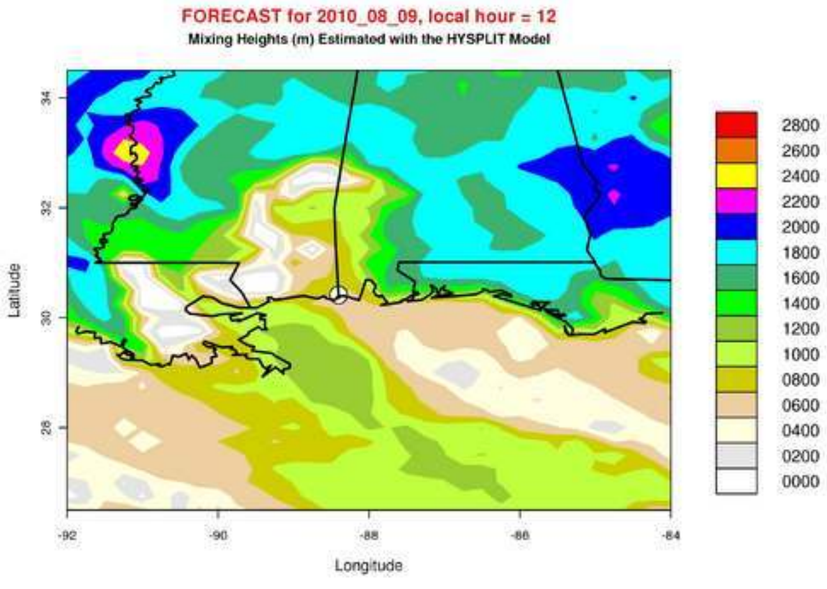

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

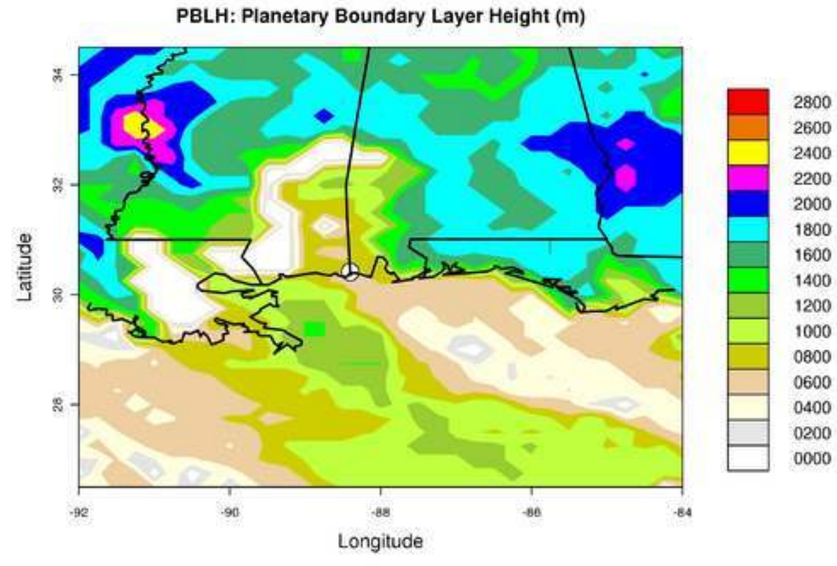

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

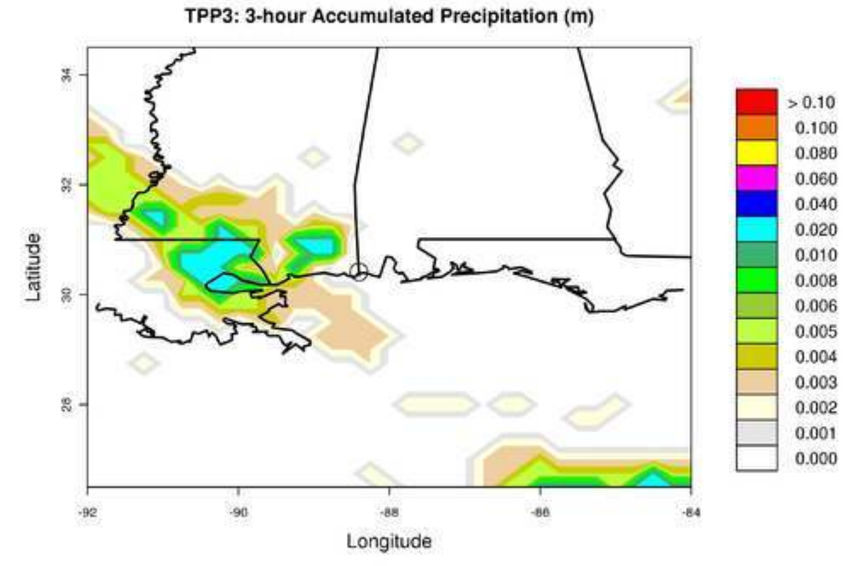

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

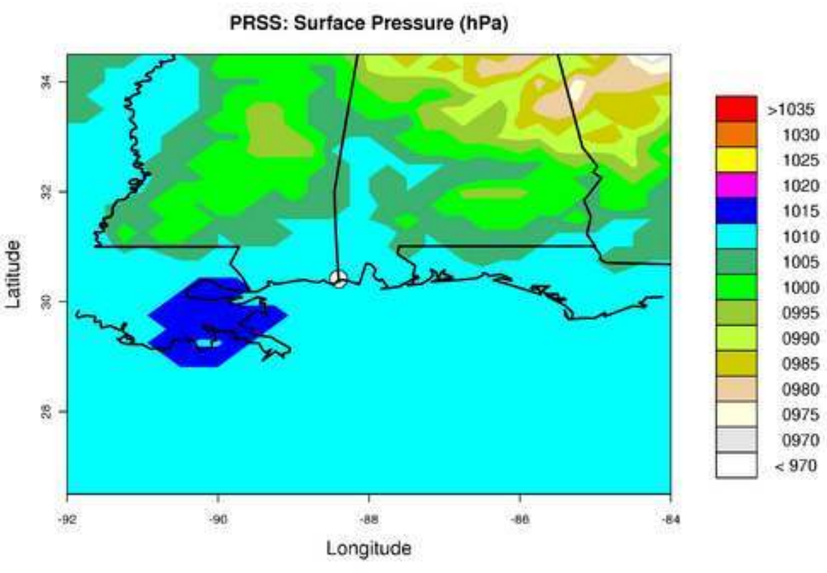

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

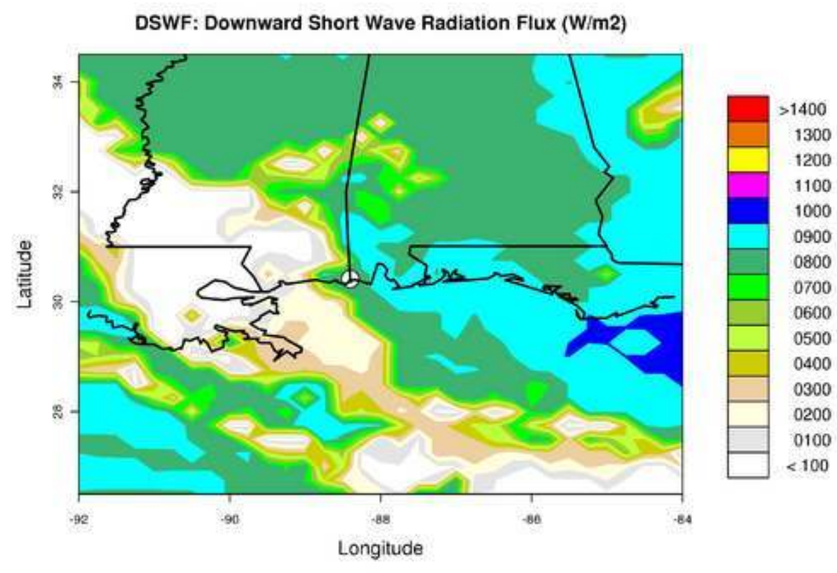

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

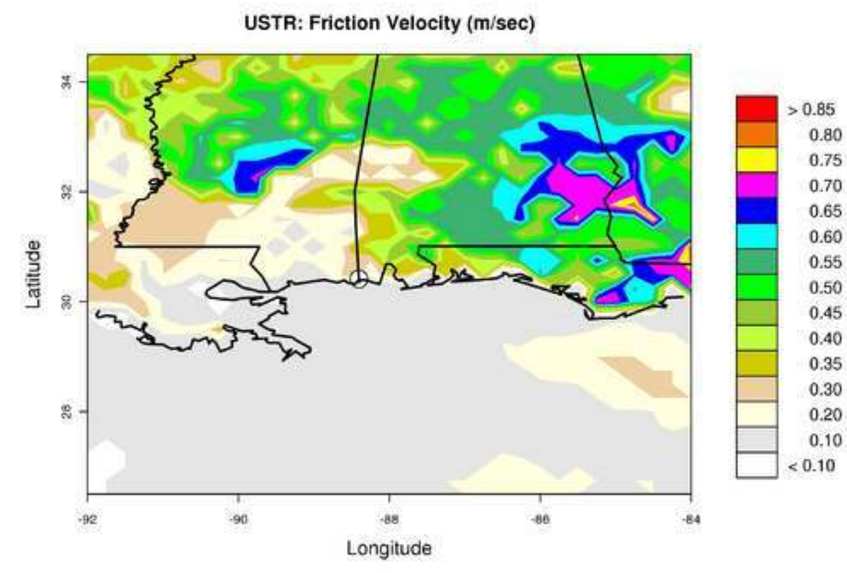

FORECAST for 2010_08_09, local hour = 12
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

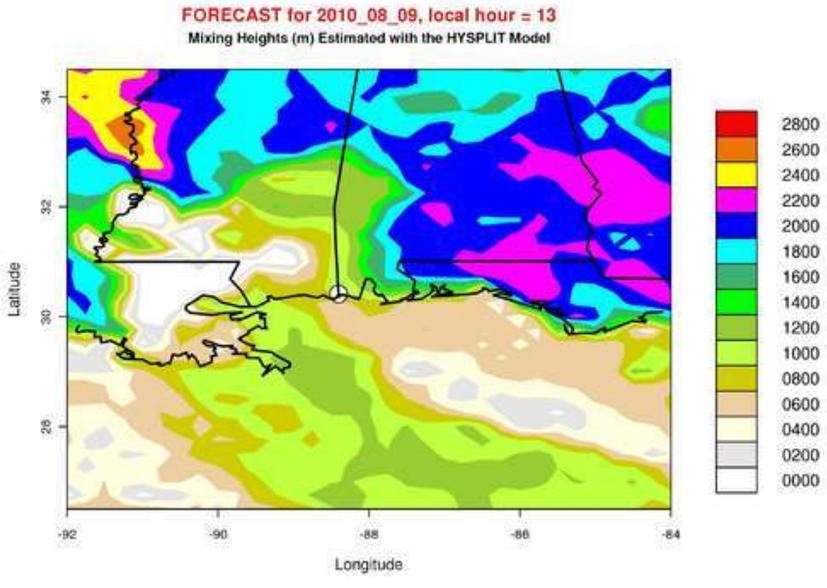

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

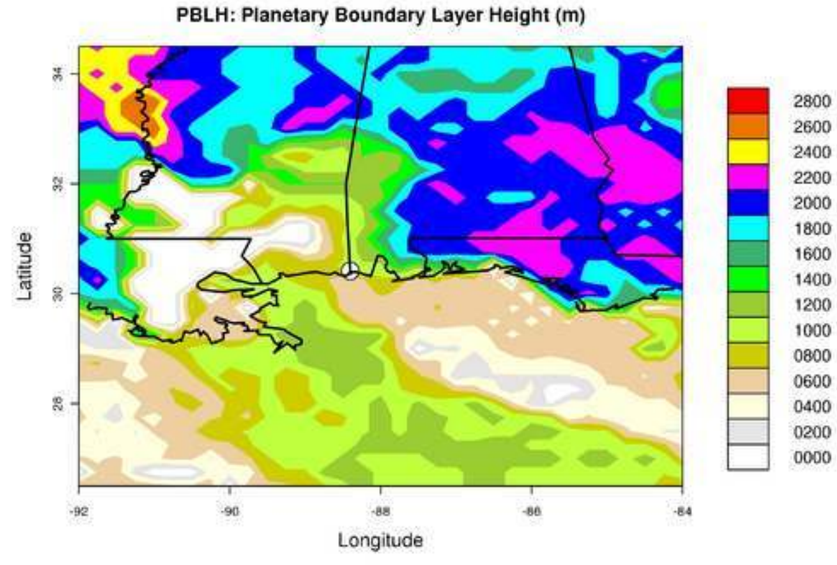

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

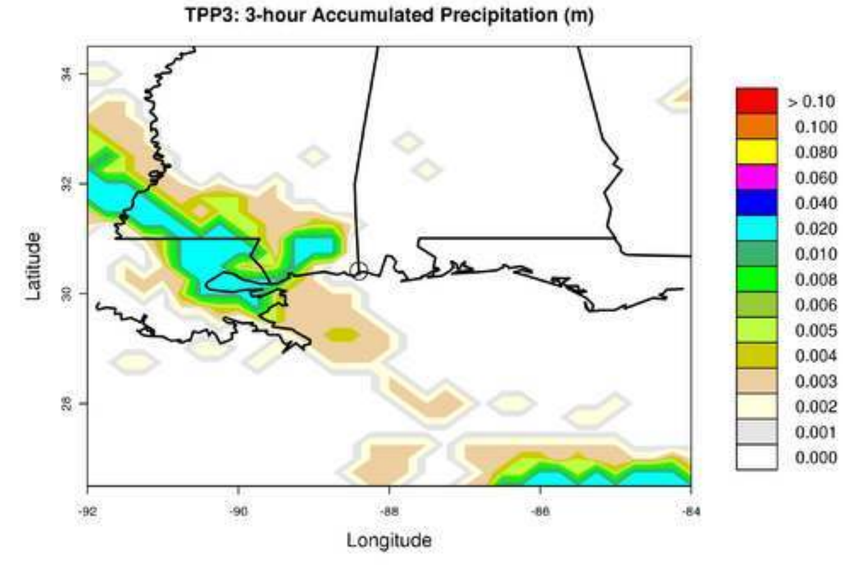

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

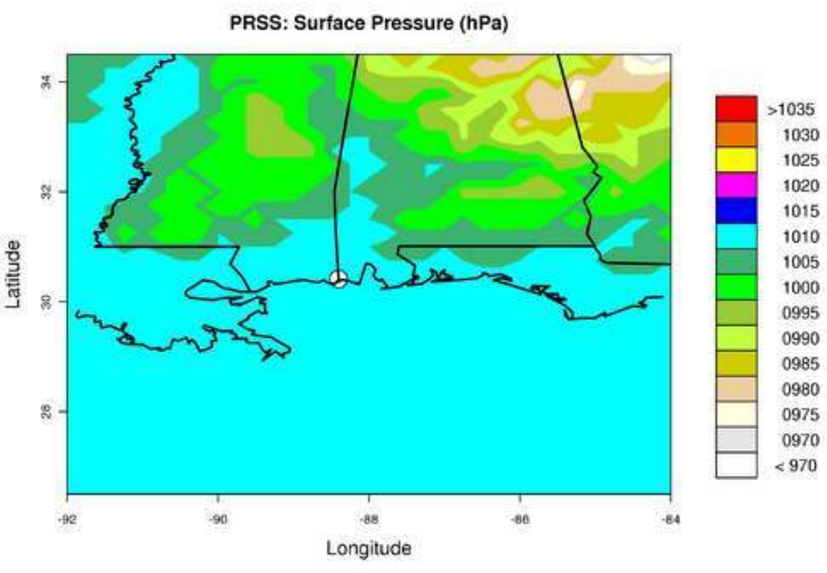

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

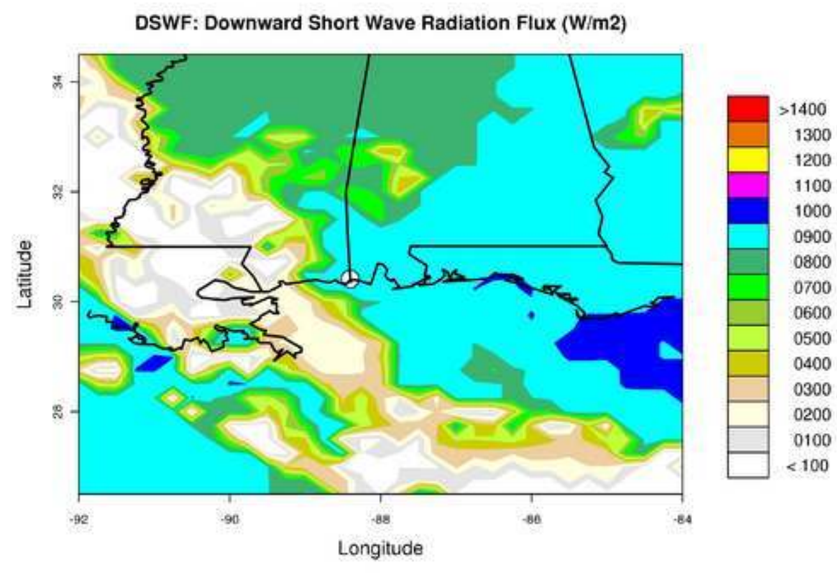

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

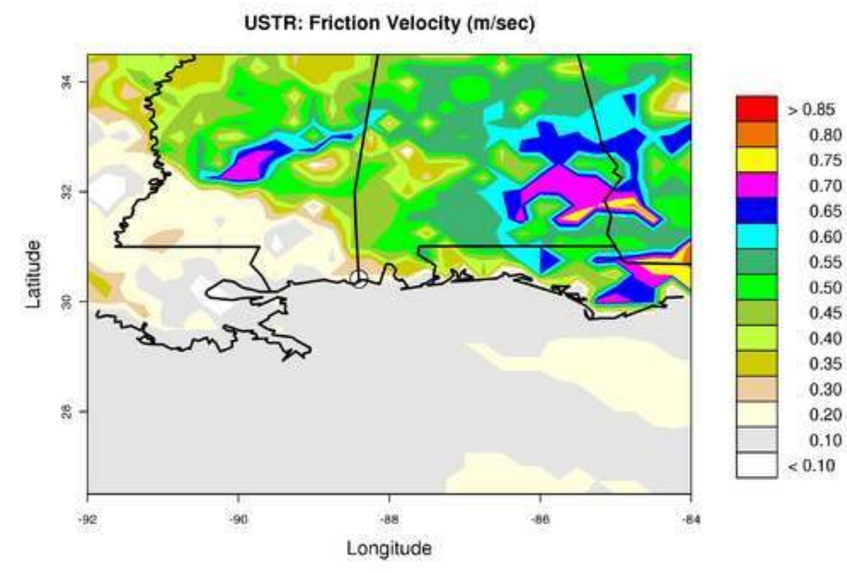

FORECAST for 2010_08_09, local hour = 13
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

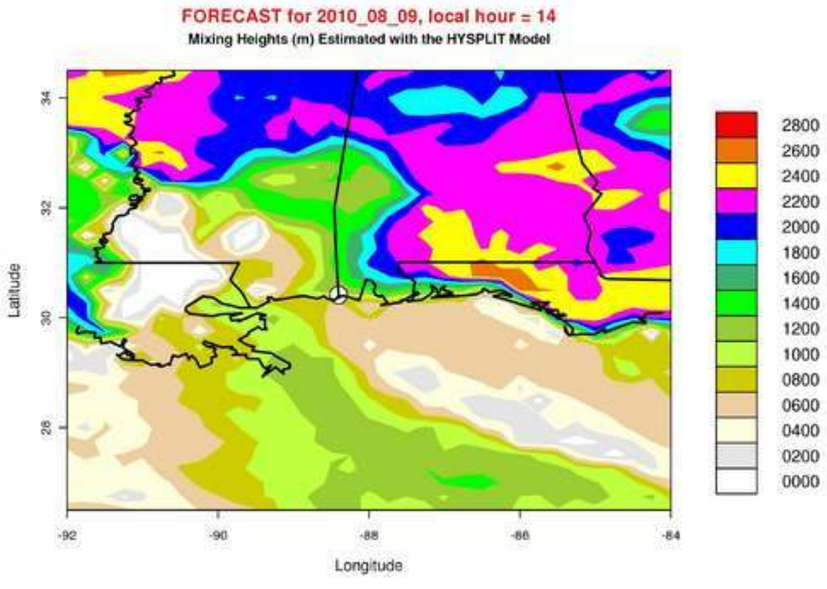

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

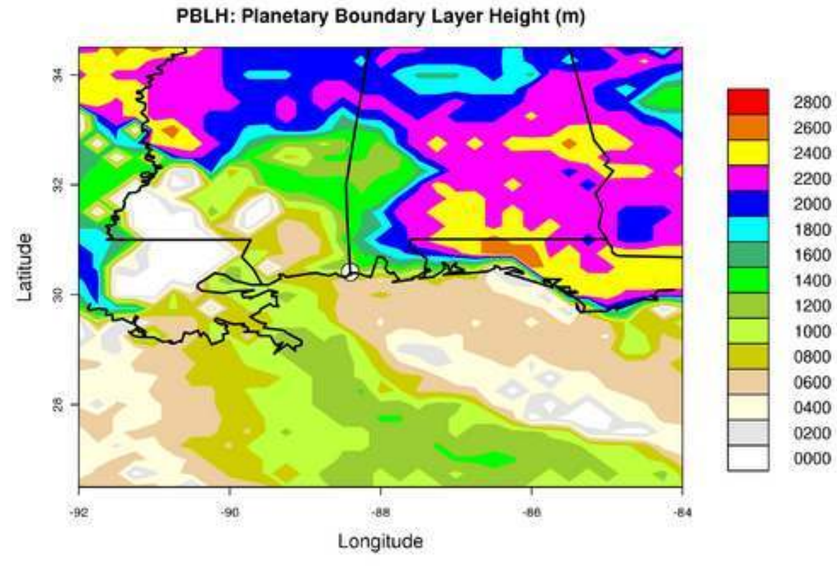

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

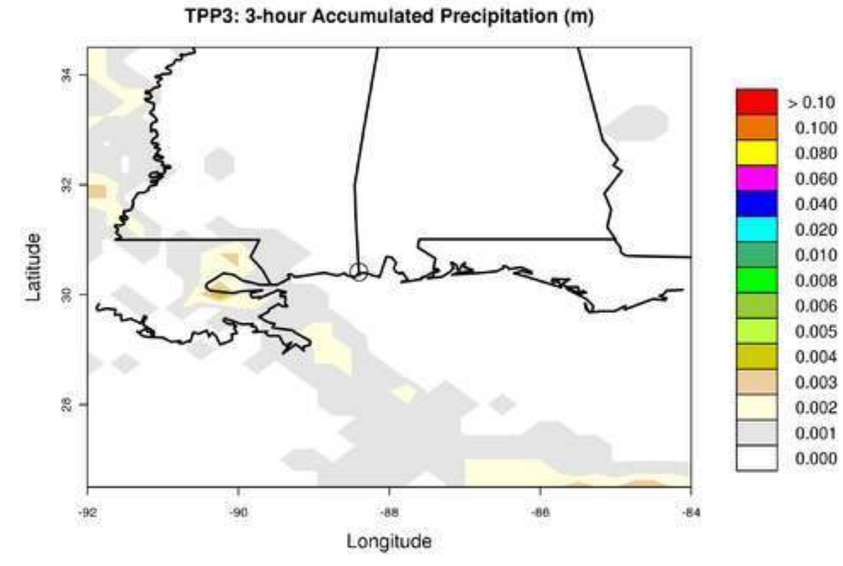

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

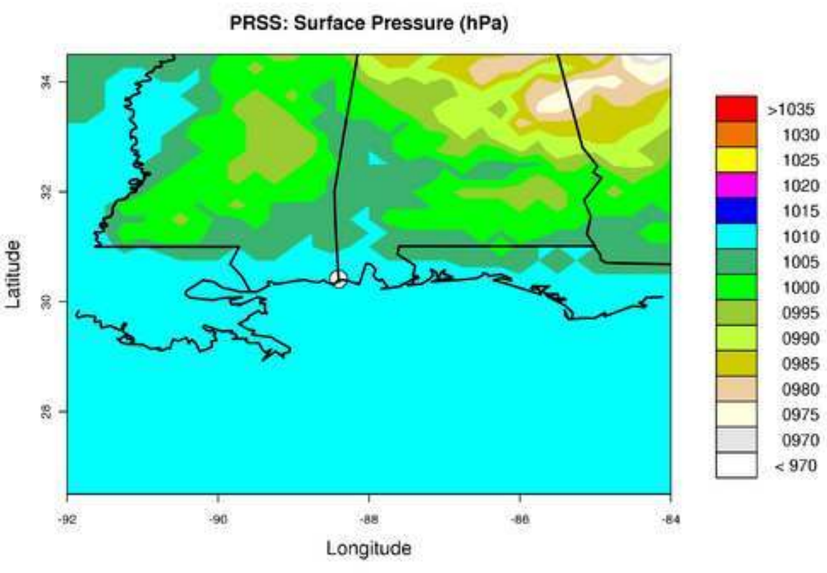

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

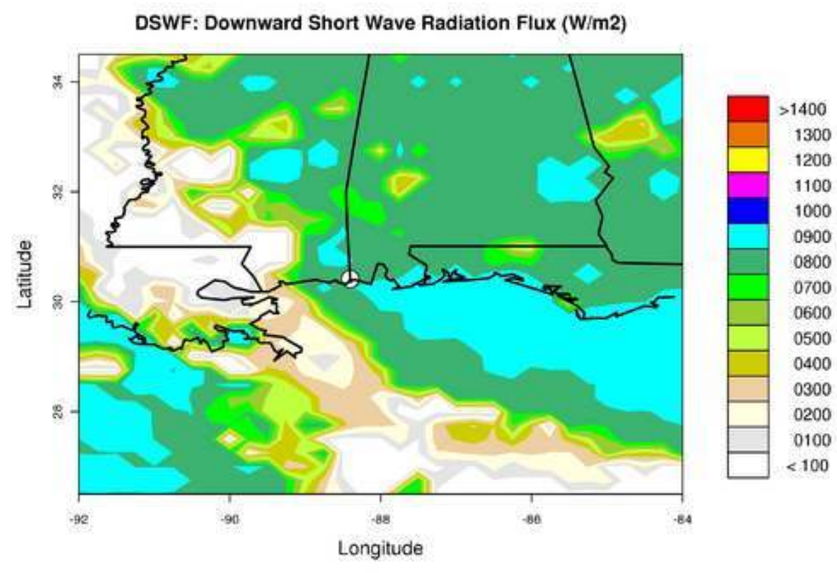

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

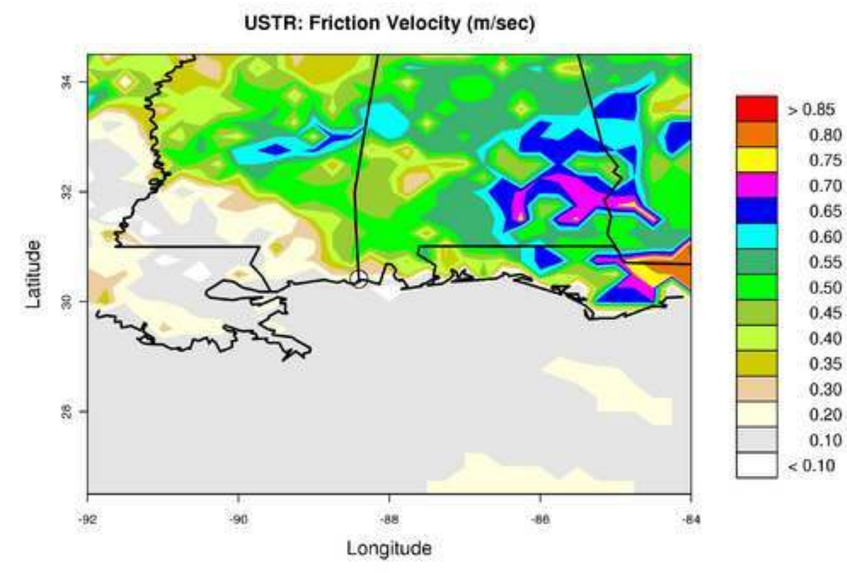

FORECAST for 2010_08_09, local hour = 14
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

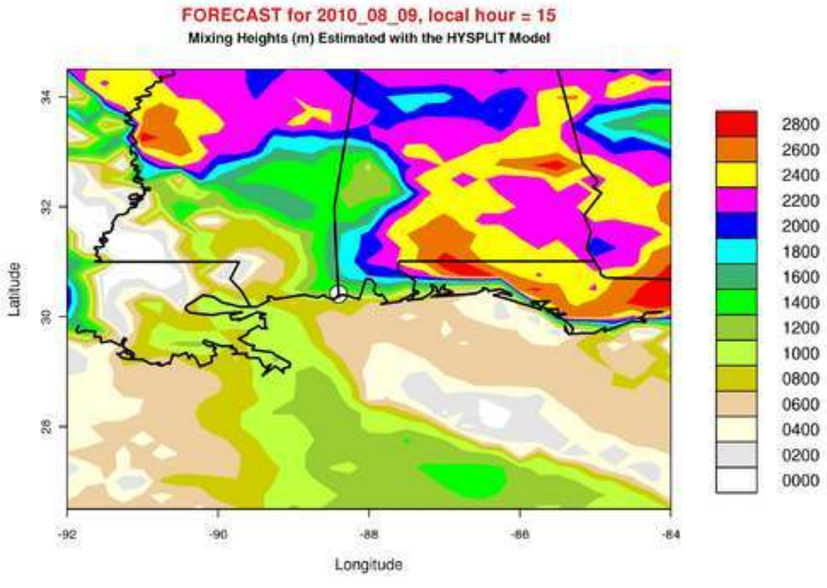

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

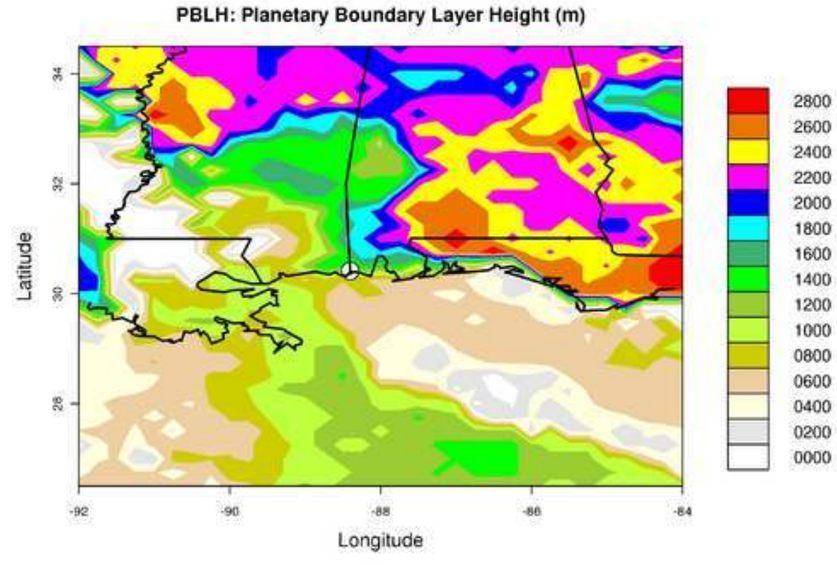

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

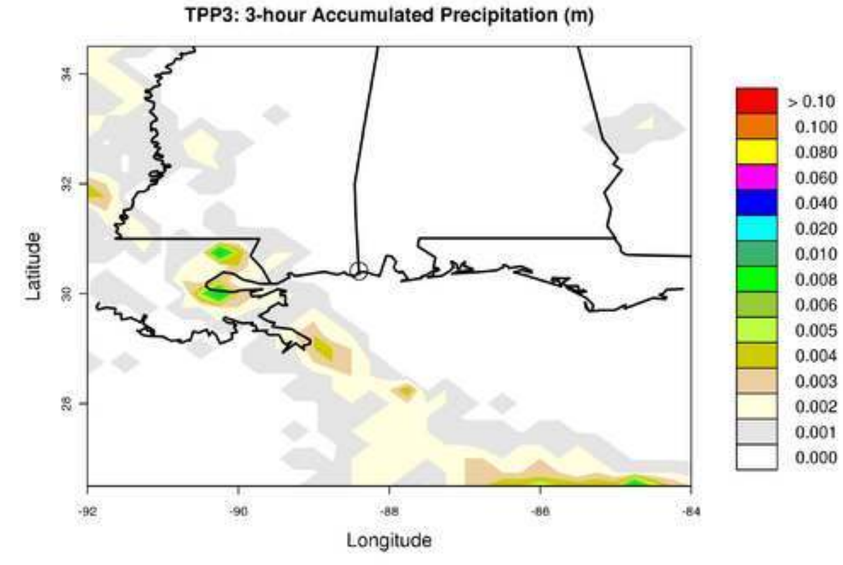

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

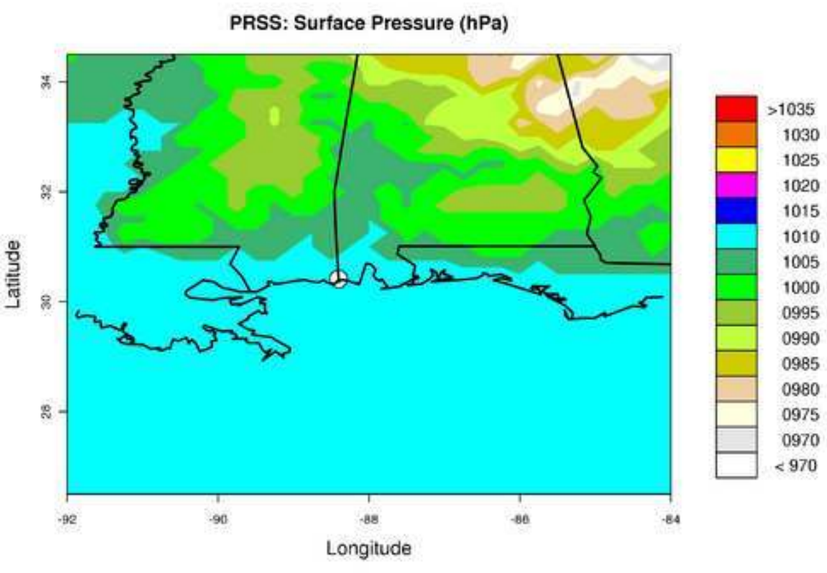

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

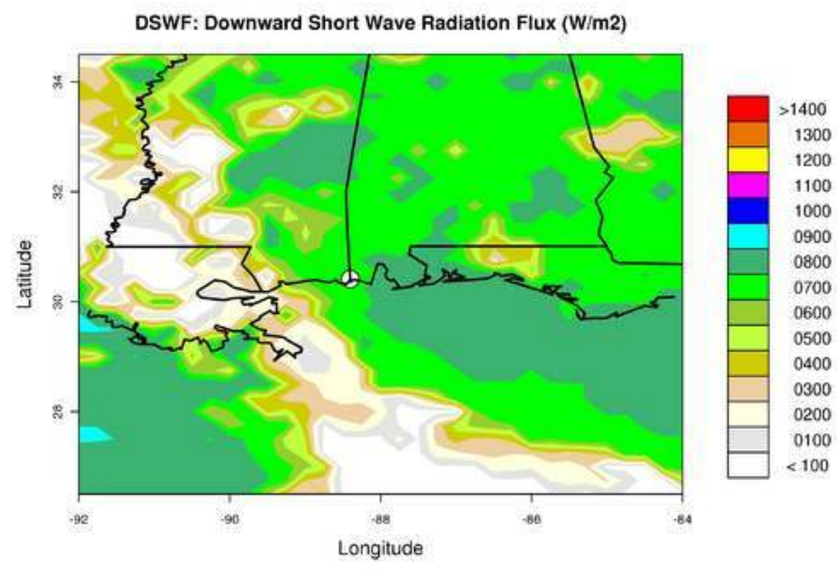

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

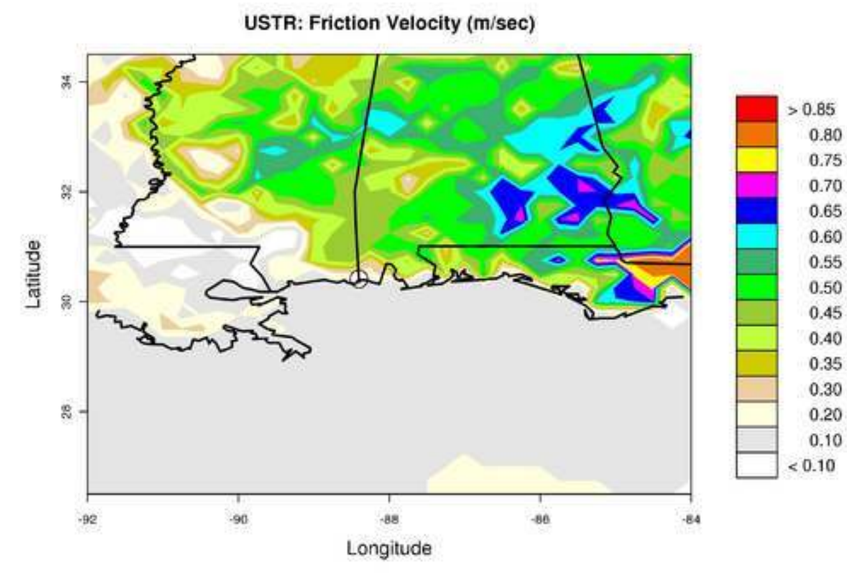

FORECAST for 2010_08_09, local hour = 15
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

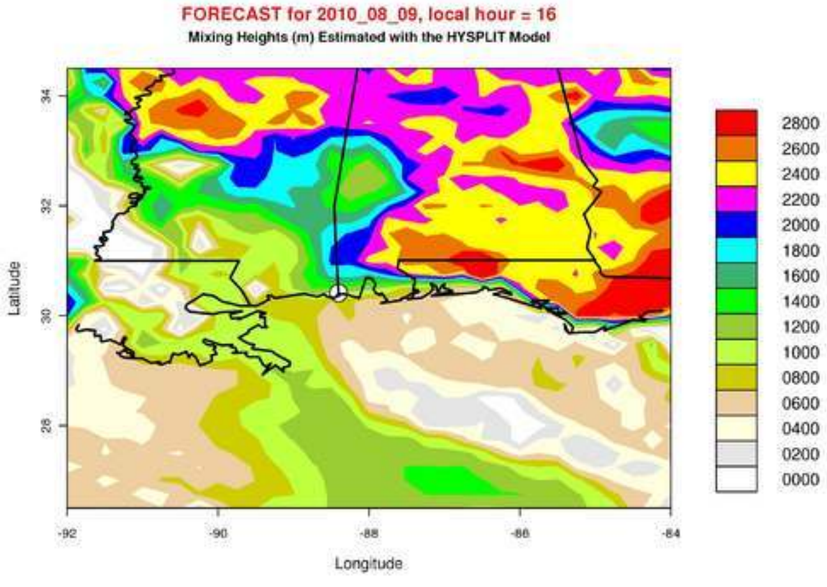

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

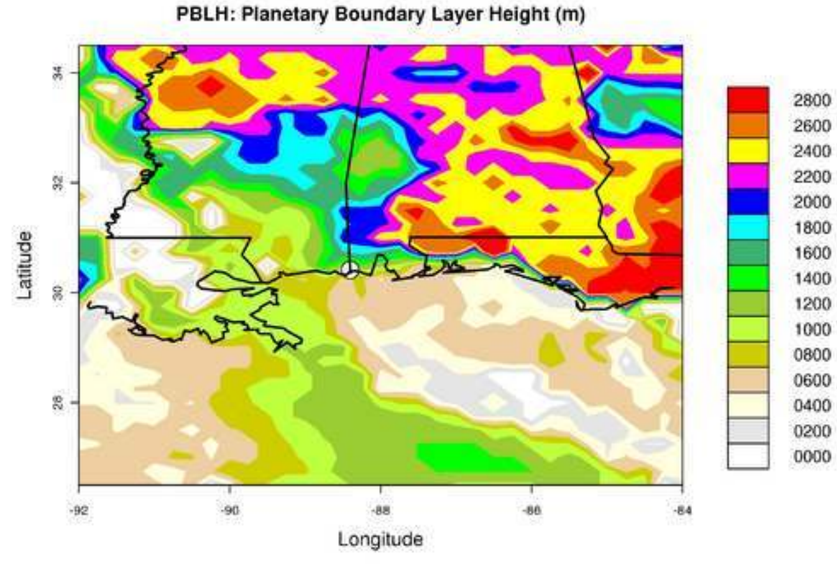

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

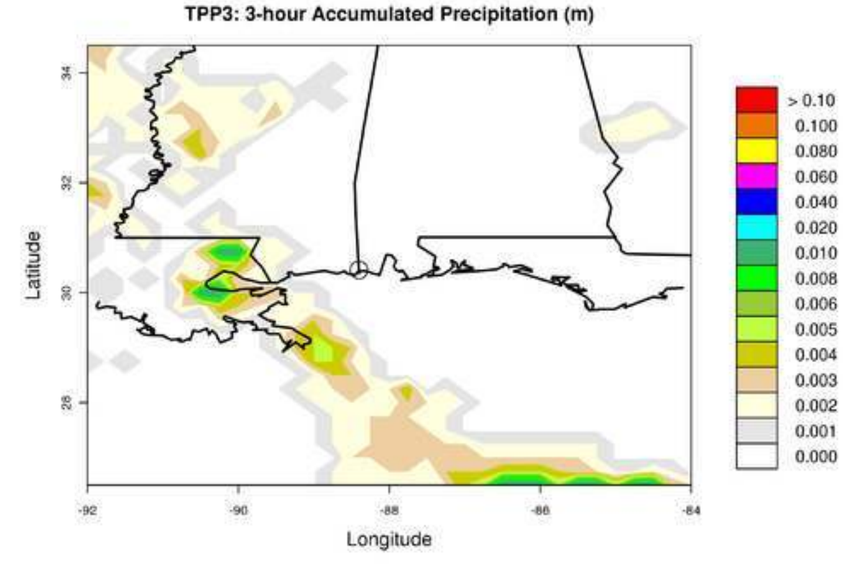

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

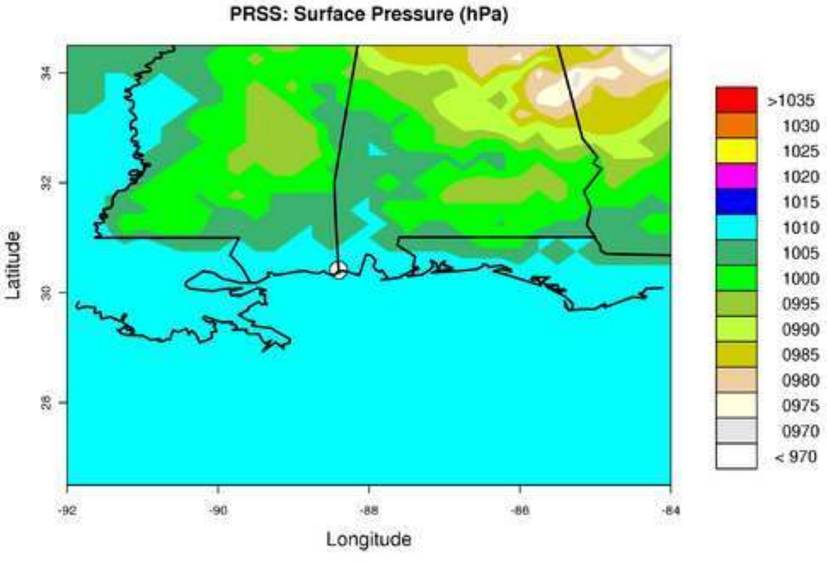

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

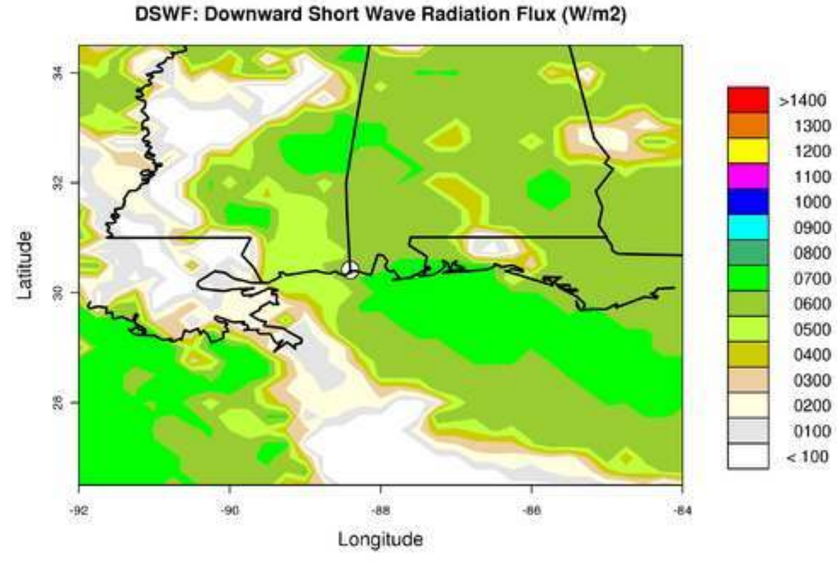

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

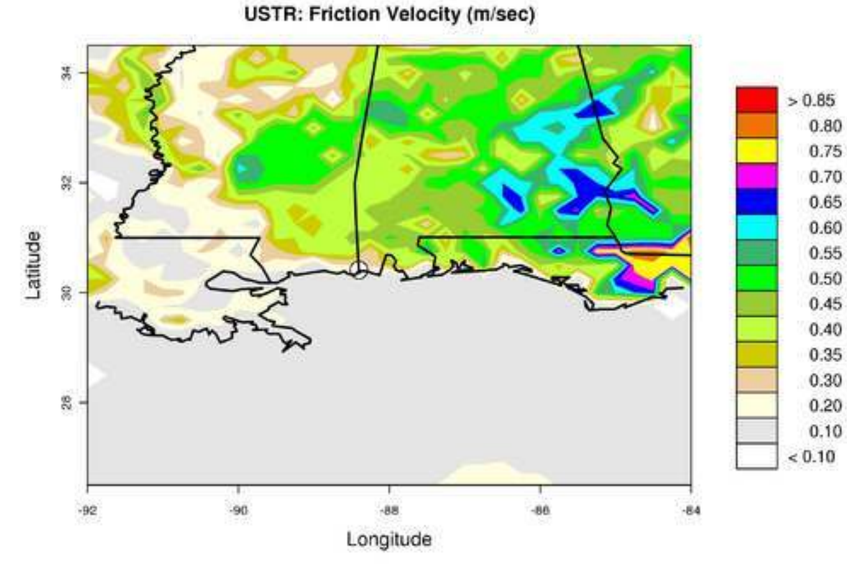

FORECAST for 2010_08_09, local hour = 16
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

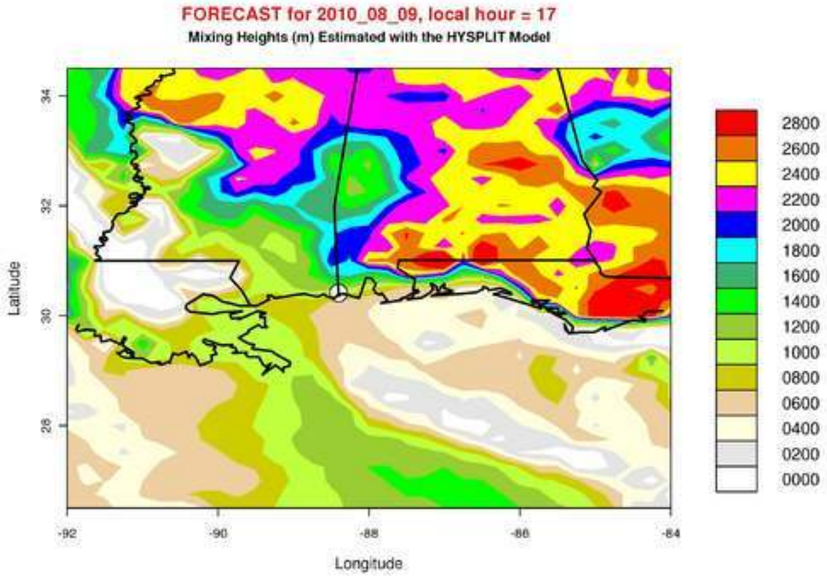

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

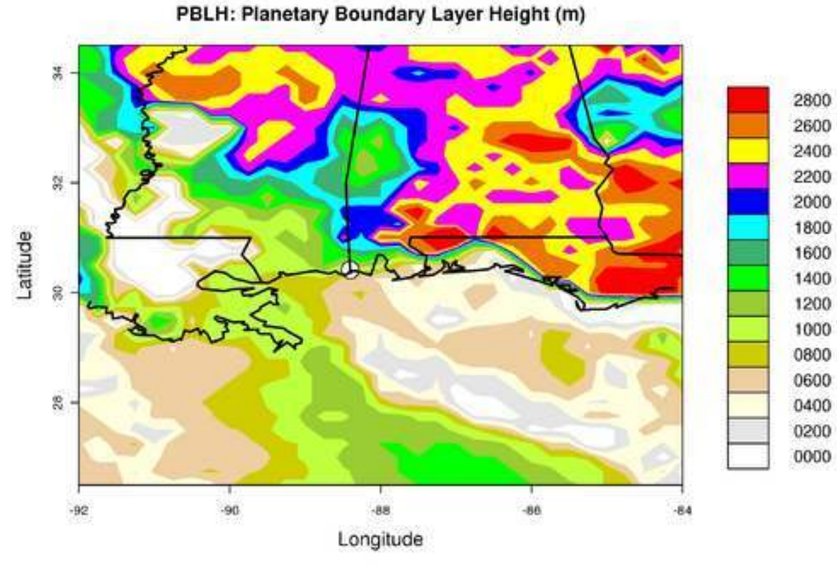

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

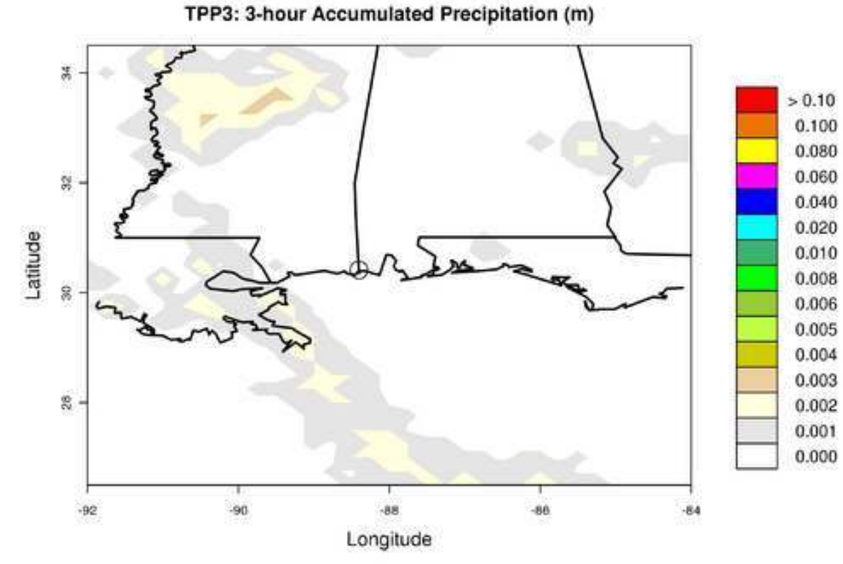

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

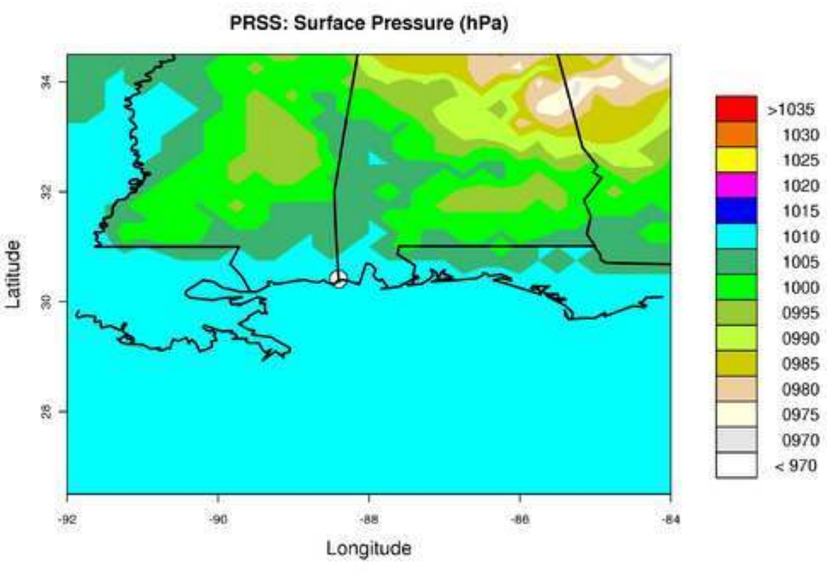

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

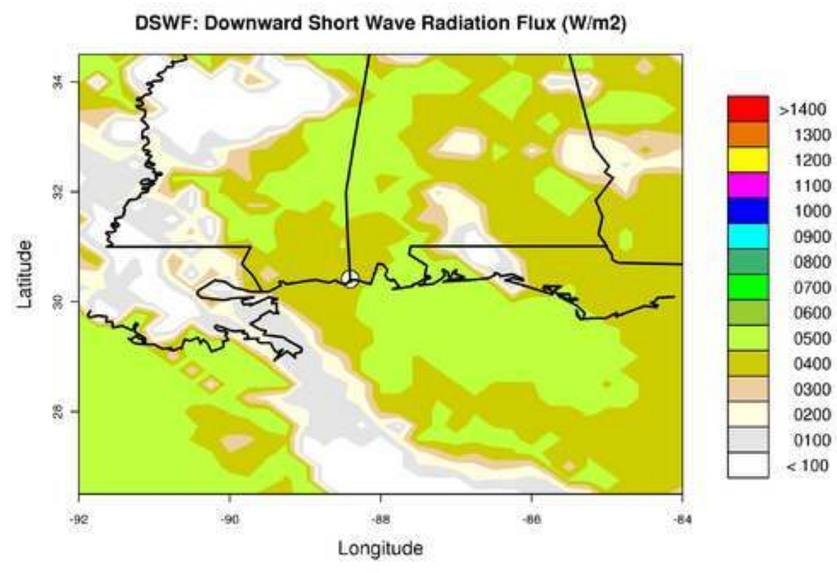

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

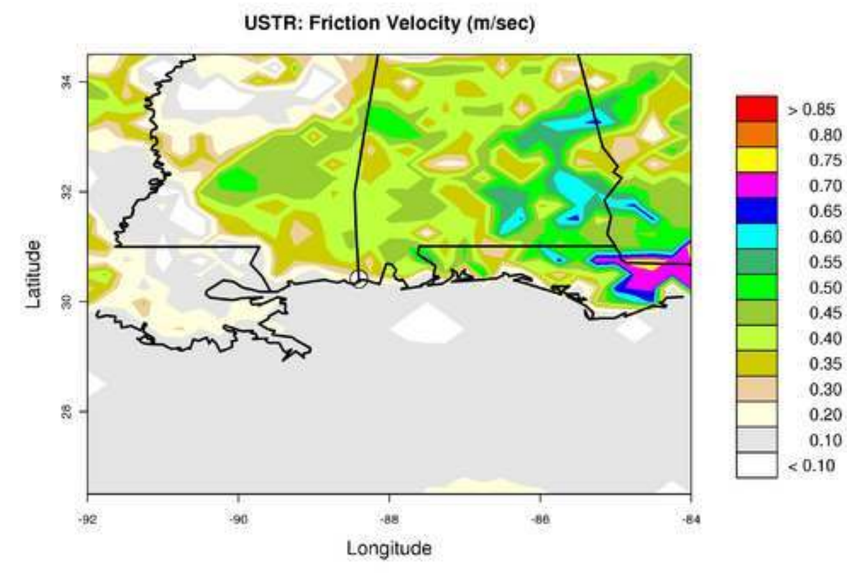

FORECAST for 2010_08_09, local hour = 17
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

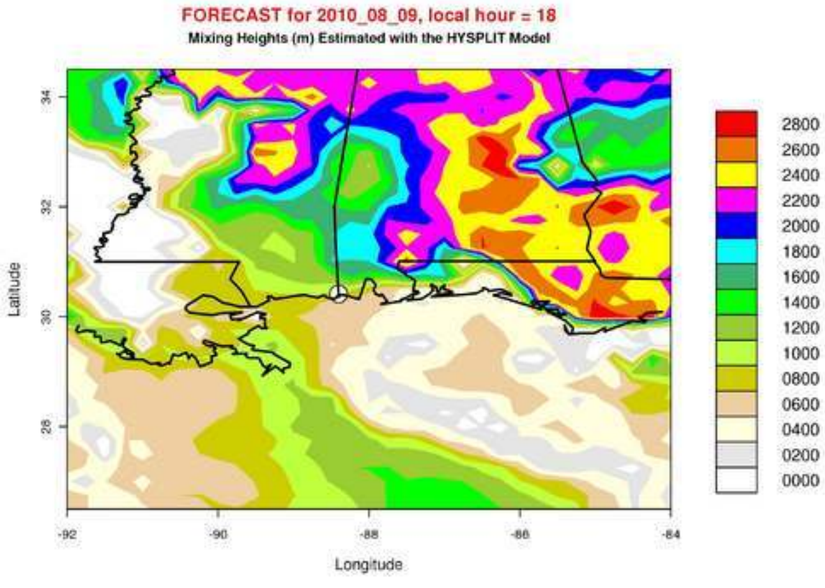

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

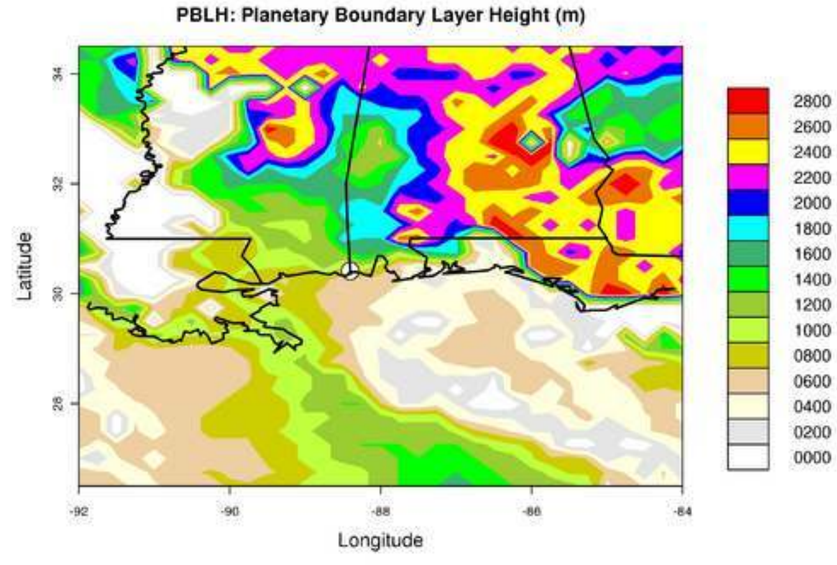

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

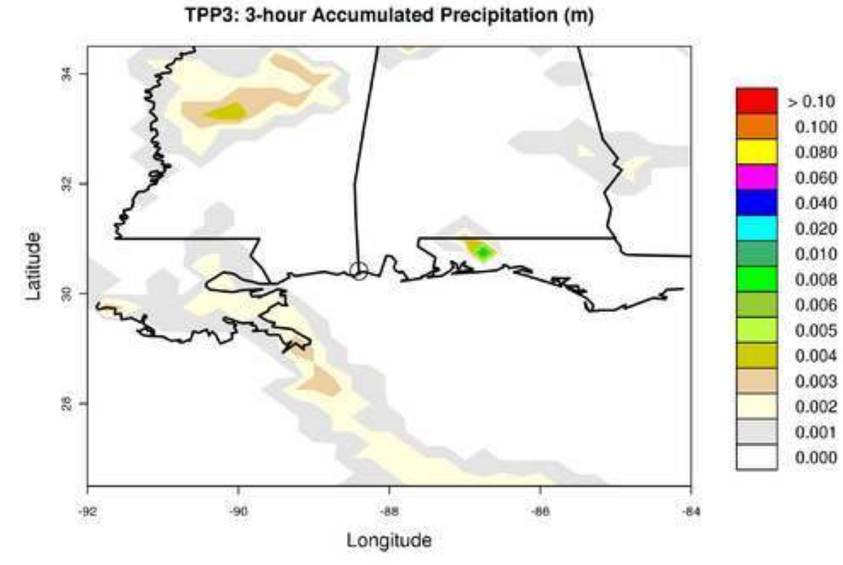

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

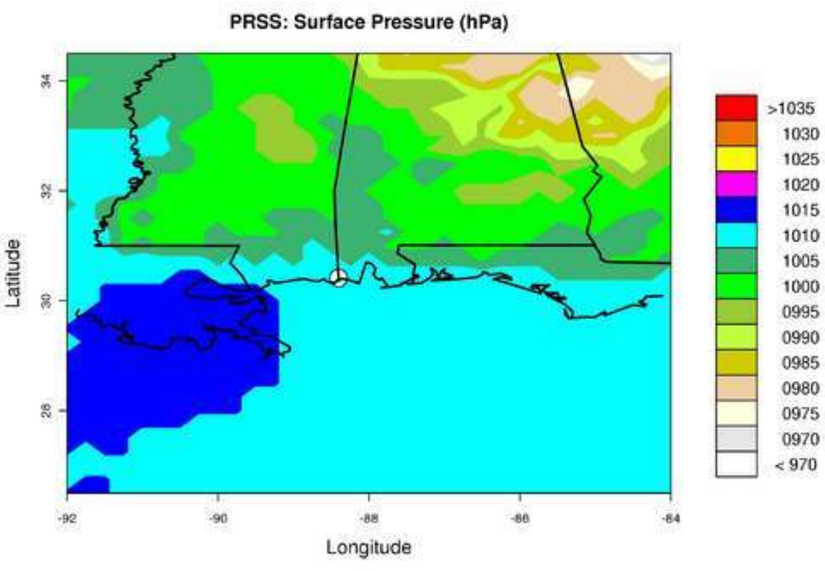

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

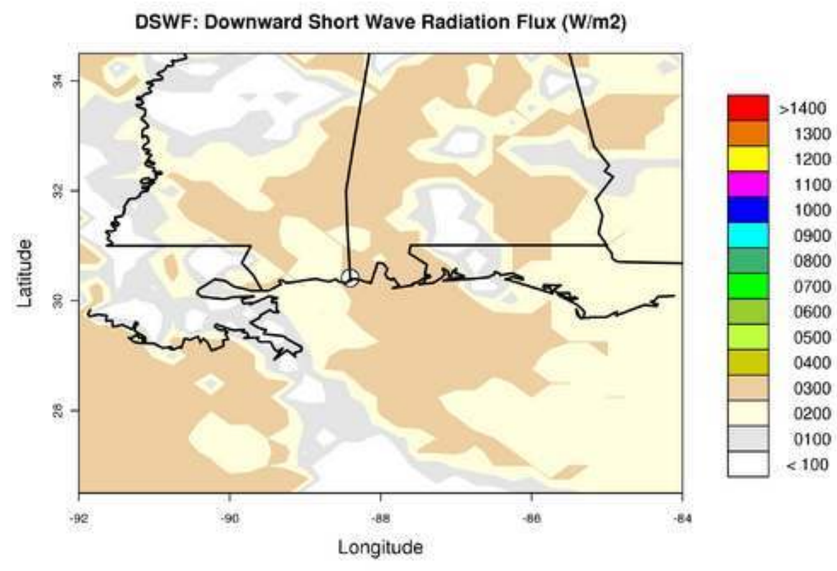

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

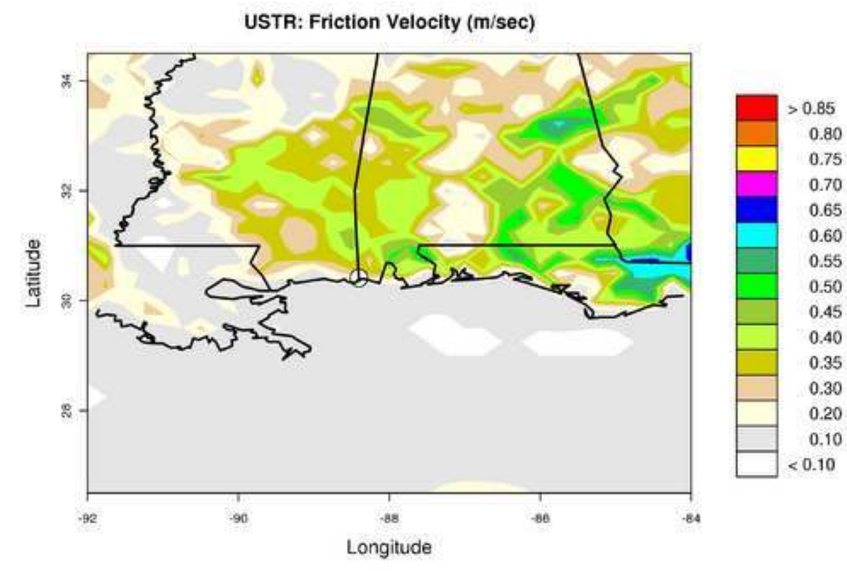

FORECAST for 2010_08_09, local hour = 18
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

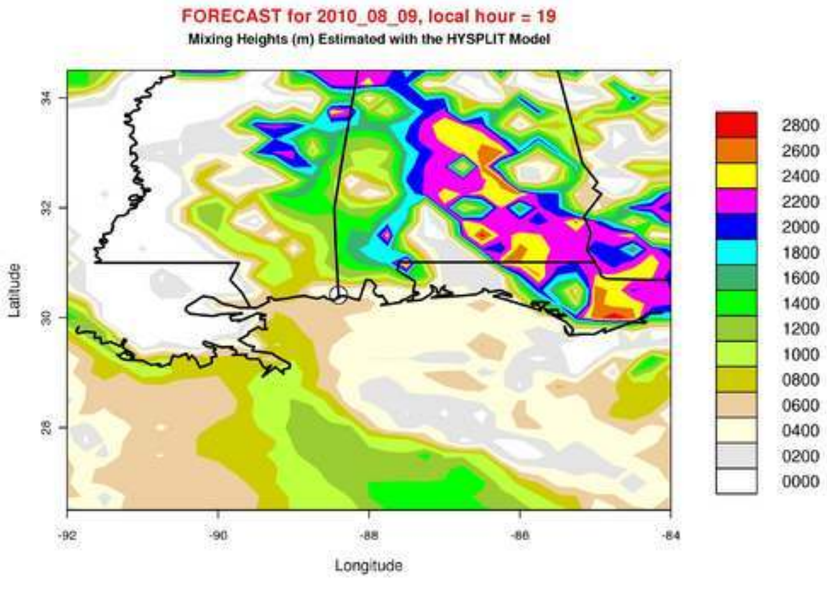

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

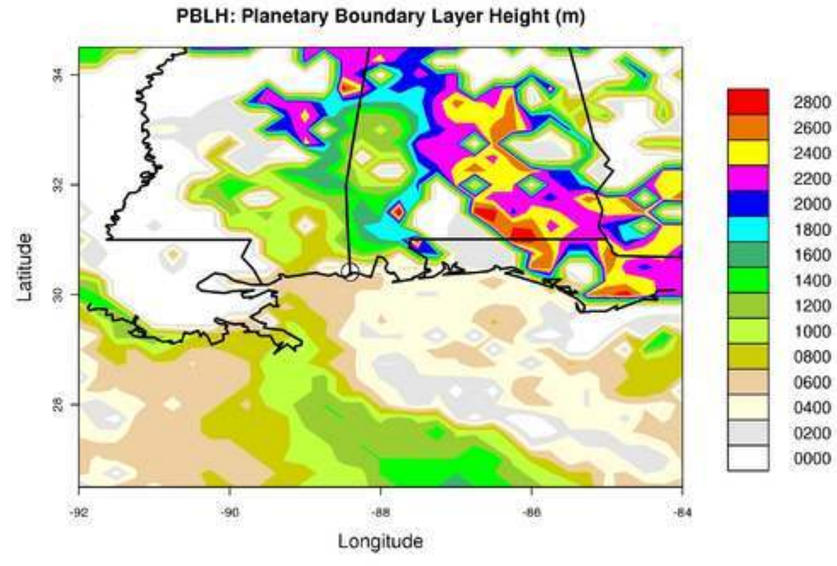

TPP3: 3-hour Accumulated Precipitation (m)
Latitude
Longitude
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

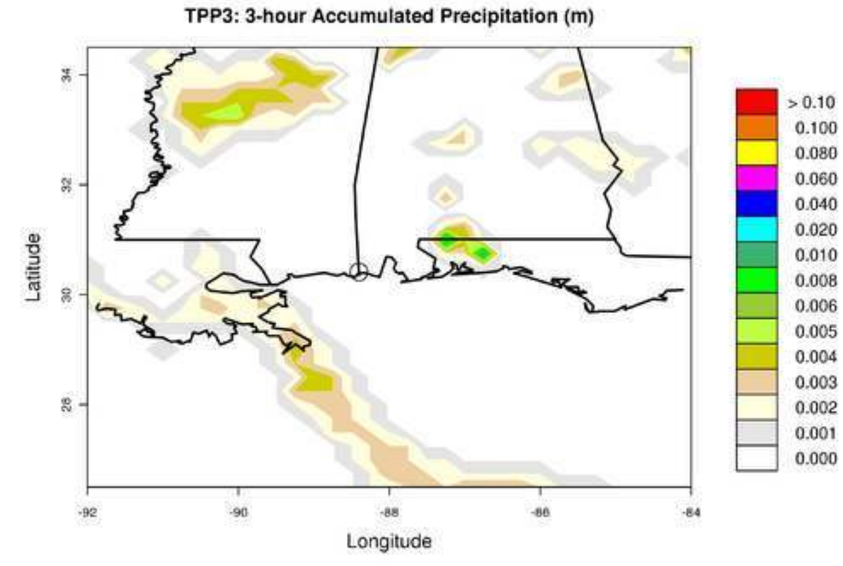

PRSS: Surface Pressure (hPa)
Latitude
Longitude
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

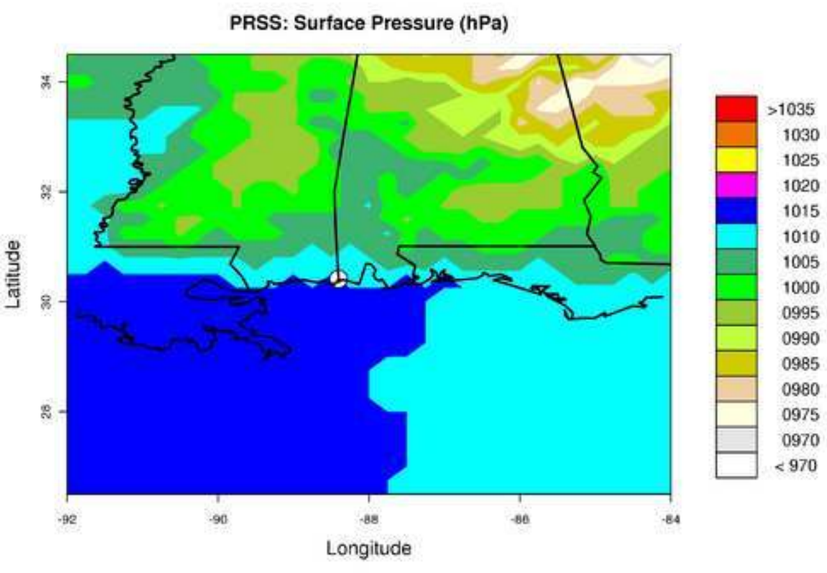

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

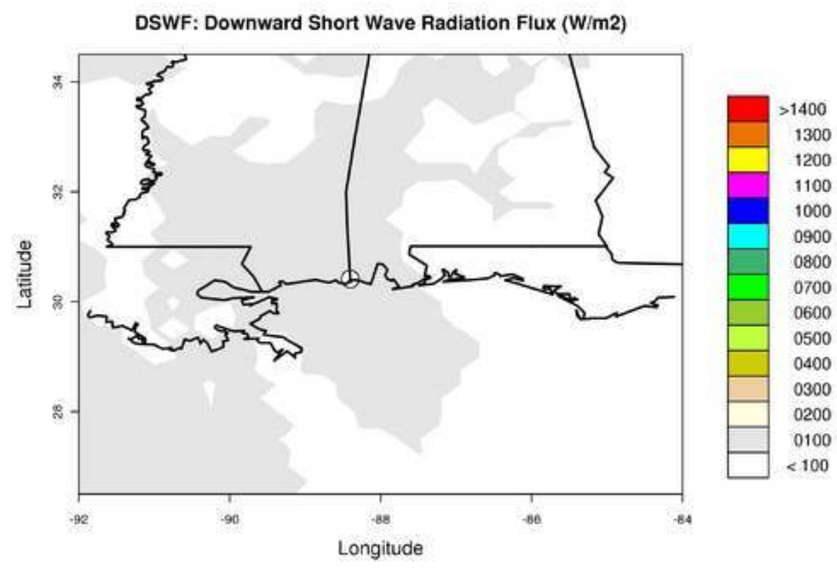

USTR: Friction Velocity (m/sec)
Latitude
Longitude
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

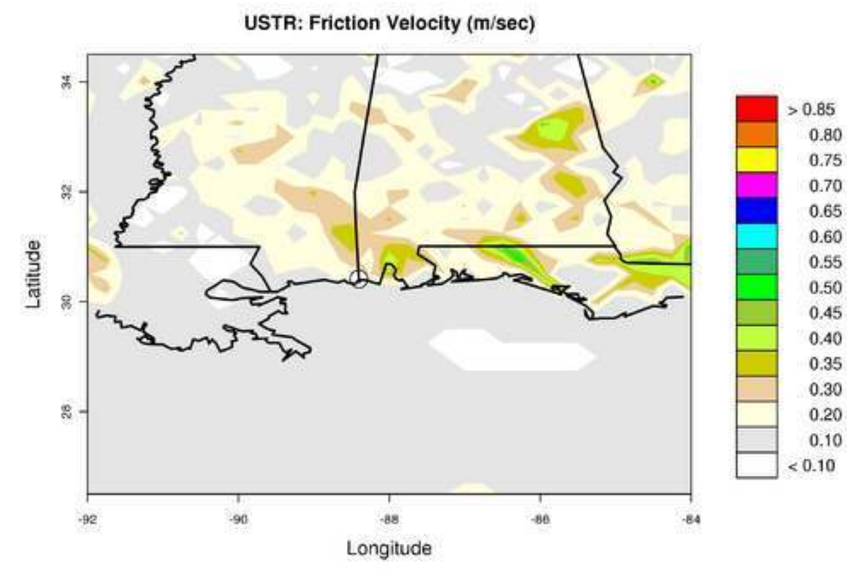

FORECAST for 2010_08_09, local hour = 19
Mixing Heights (m) Estimated with the HYSPLIT Model
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000
Latitude
Longitude

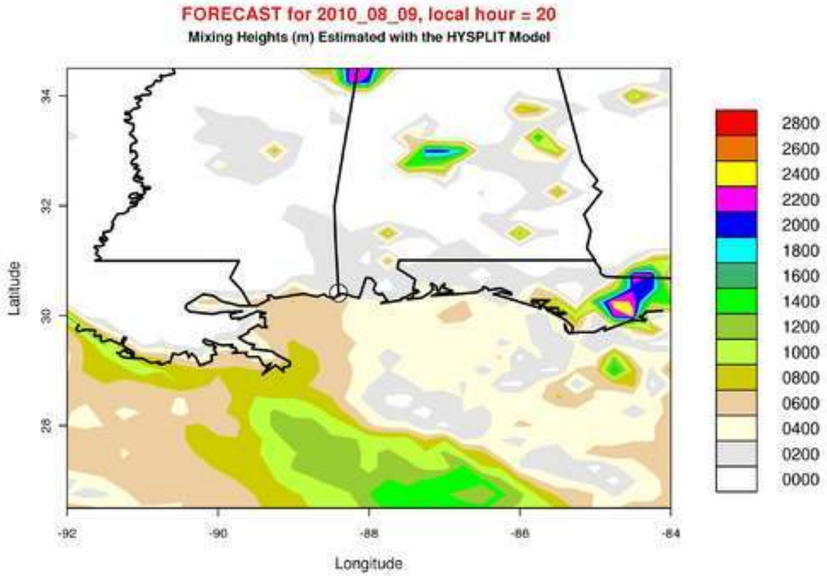

PBLH: Planetary Boundary Layer Height (m)
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000
Latitude
Longitude

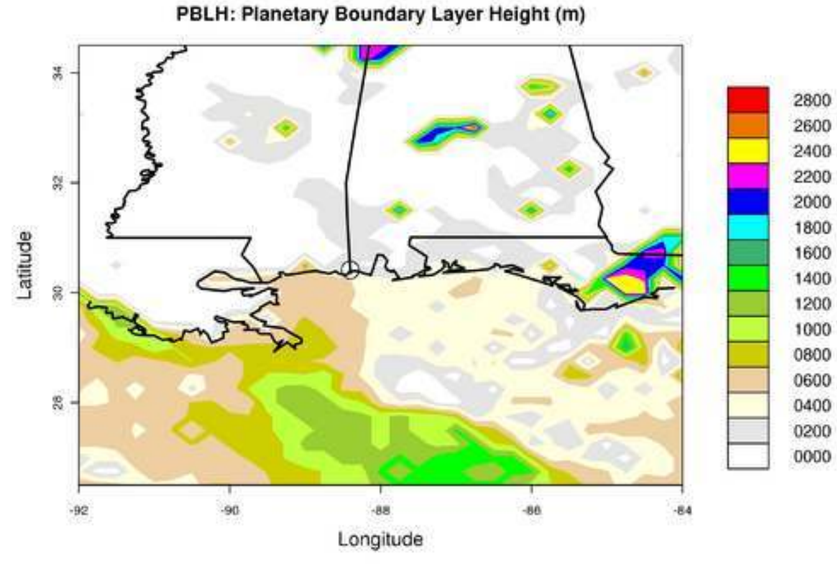

TPP3: 3-hour Accumulated Precipitation (m)
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000
Latitude
Longitude

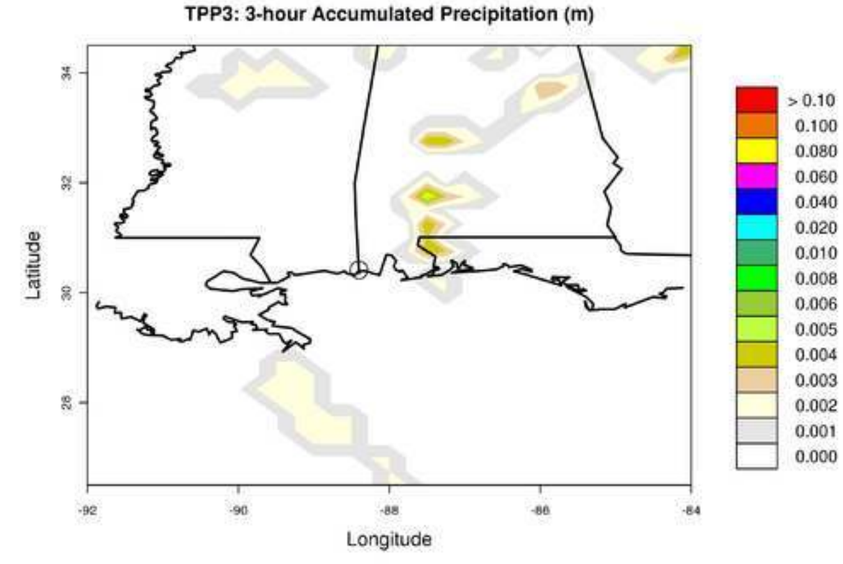

PRSS: Surface Pressure (hPa)
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970
Latitude
Longitude

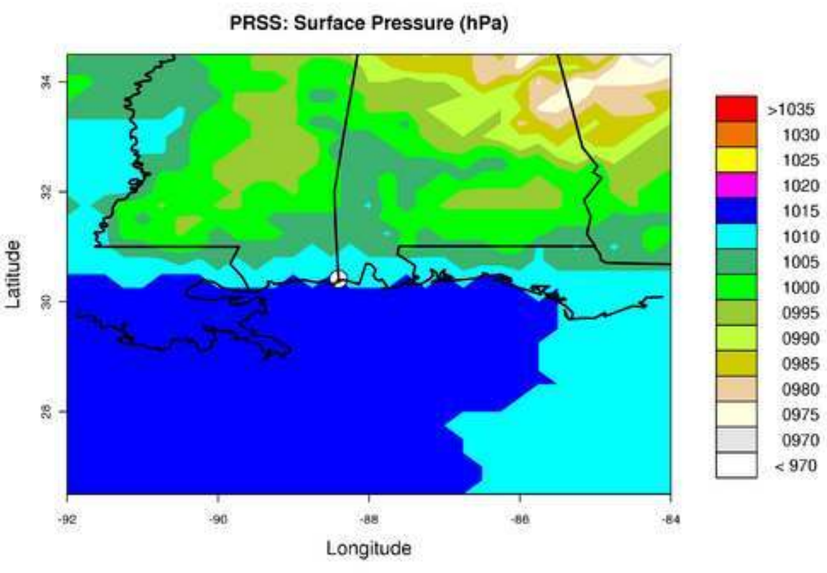

DSWF: Downward Short Wave Radiation Flux (W/m2)
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100
Latitude
Longitude

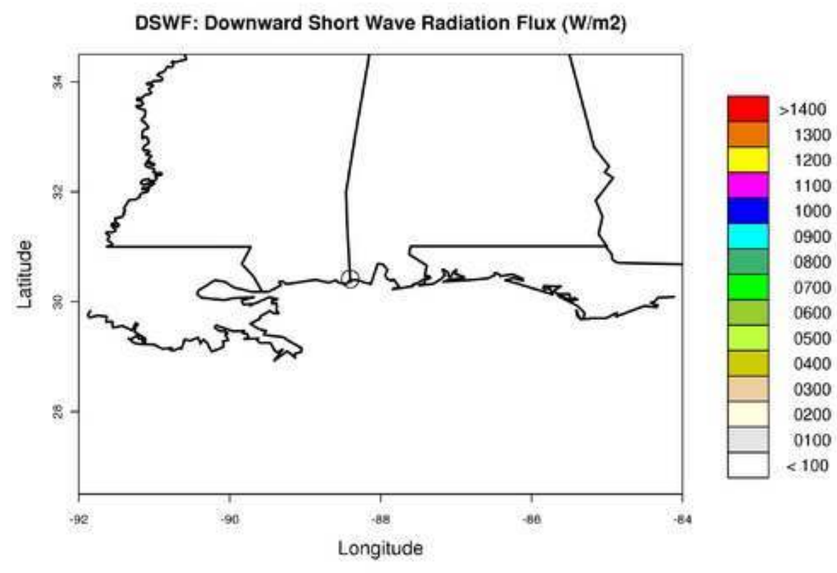

USTR: Friction Velocity (m/sec)
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10
Latitude
Longitude

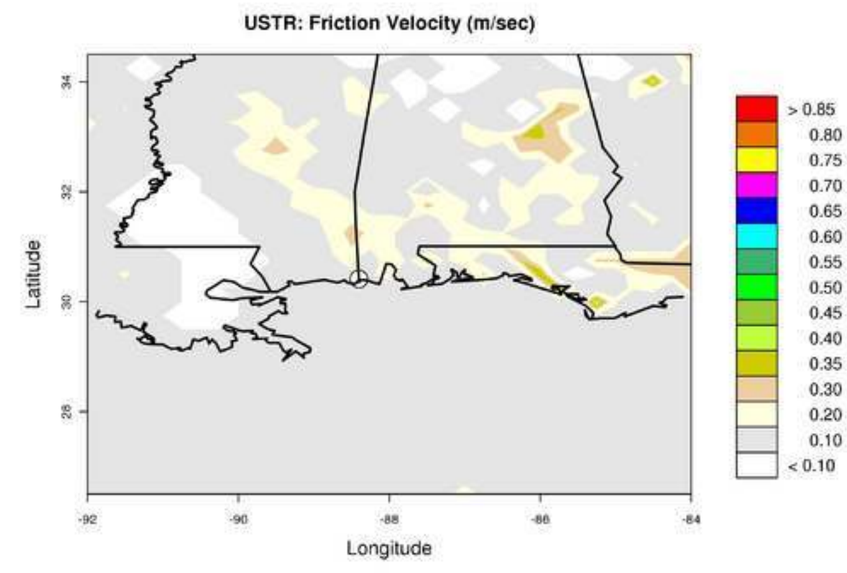

FORECAST for 2010_08_09, local hour = 20
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


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

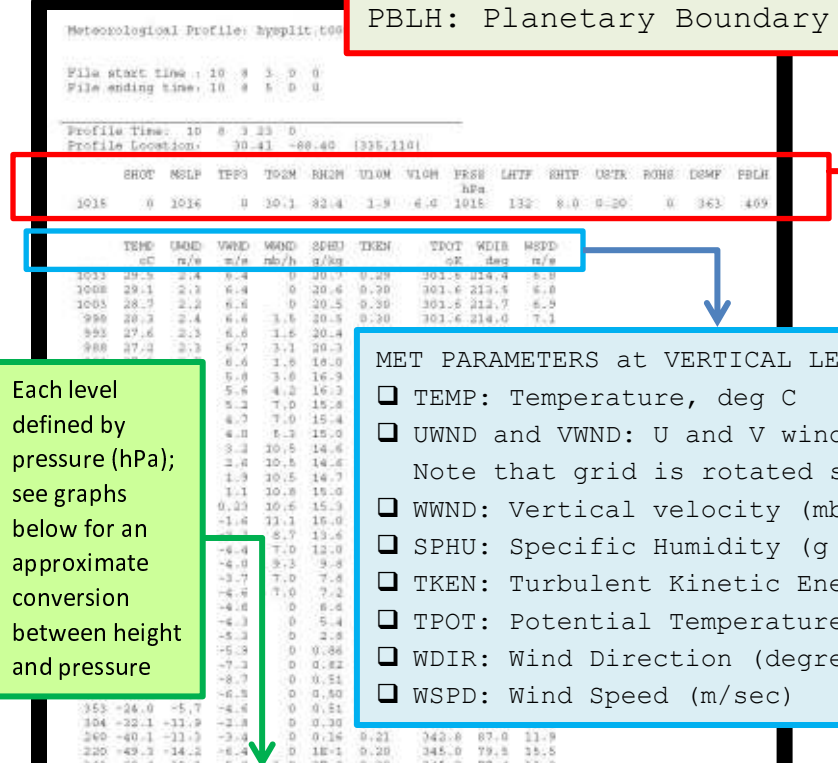

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100


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]

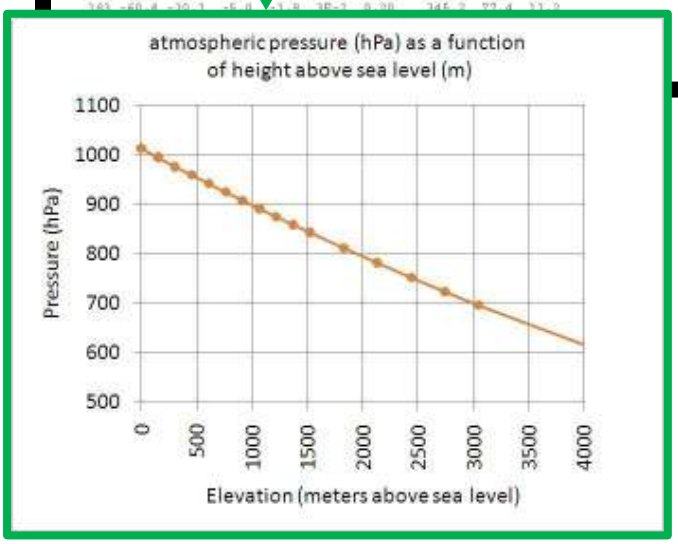
SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1015	0	1016	0	30.1	82.4	1.9	6.0	1015	132	8.0	0.20	0	363	469

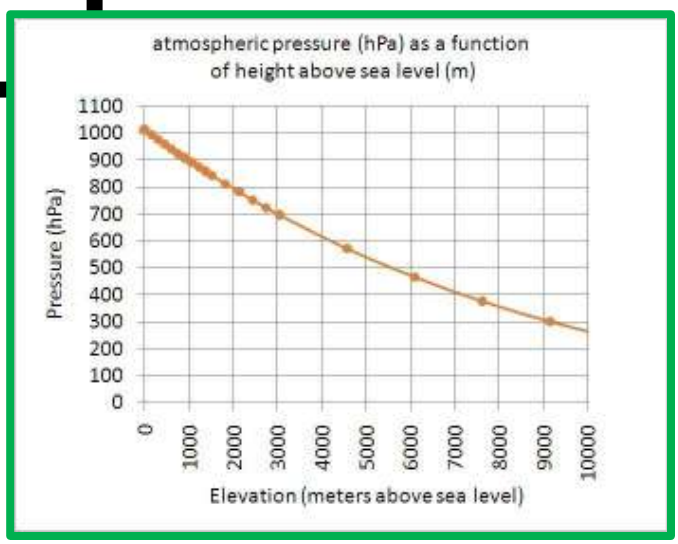
	TEMP cC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT cK	WDIR deg	WSPD m/s
1013	29.5	2.4	6.4	0	20.7	0.29	301.5	214.4	6.8
1008	29.1	2.3	6.4	0	20.6	0.30	301.6	213.5	6.8
1003	28.7	2.2	6.6	0	20.5	0.30	301.6	212.7	6.9
998	28.3	2.4	6.6	1.6	20.5	0.30	301.6	214.0	7.1
993	27.6	2.3	6.6	1.6	20.4				
988	27.3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





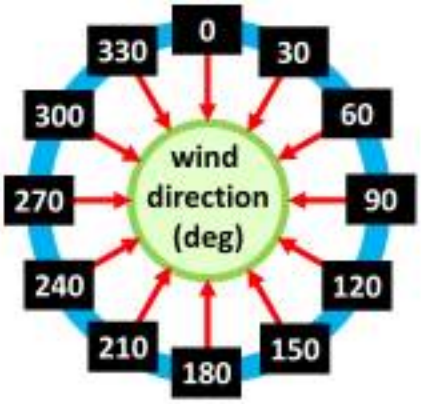
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 9 0 0
File ending time: 10 8 11 0 0

Profile Time: 10 8 9 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
1016	0	1015	2E-3	28.8	89.0	0.63	-2.7	1016	114	19.2	0.11	0	32.0	624

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1014	27.9	0.79	-3.4	2.5	20.6	0.32	299.9	0.9	3.5
1009	27.5	0.89	-3.4	3.1	20.3	0.41	299.9	359.3	3.5
1004	27.0	1.1	-3.5	5.1	20.1	0.41	299.8	356.6	3.6
999	26.8	1.3	-3.5	5.0	19.4	0.43	300.0	353.8	3.8
994	26.4	1.4	-3.4	4.9	19.0	0.35	300.0	351.4	3.7
989	25.7	1.4	-3.4	5.9	18.5	0.39	299.8	351.3	3.6
984	25.5	1.6	-3.5	6.2	17.9	0.35	300.0	348.8	3.8
979	25.1	1.9	-3.4	6.3	17.6	0.35	300.1	344.7	3.9
973	24.7	2.1	-3.3	6.6	17.5	0.23	300.2	341.4	4.0
967	24.6	2.2	-3.3	6.8	17.2	0.25	300.6	340.8	4.0
962	24.2	2.3	-3.2	10.1	17.0	0.25	300.7	337.5	4.0
955	23.6	2.4	-3.1	10.4	16.9	0.25	300.7	336.4	3.9
949	23.3	2.2	-3.1	10.4	16.6	0.25	300.9	337.9	3.8
942	22.7	1.8	-3.2	9.9	16.3	0.15	301.0	344.2	3.7
935	22.3	1.2	-3.2	10.0	15.9	0.30	301.2	354.3	3.4
927	22.0	0.39	-3.5	7.0	15.5	0.25	301.6	7.5	3.5
919	21.4	-0.28	-4.2	6.1	15.3	0.30	301.8	17.7	4.2
897	20.2	-2.2	-5.2	5.6	14.6	0.20	302.5	36.8	5.6
870	19.0	-2.7	-2.9	0	13.3	0.20	304.0	56.9	4.0
839	17.3	-3.6	-0.95	0	12.0	0.20	305.4	89.1	3.7
805	15.3	-4.0	-0.42	-7.7	10.7	0.20	306.9	97.9	4.1
769	13.2	-3.7	-1.0	-8.0	9.7	0.20	308.7	88.5	3.9
730	10.8	-2.9	-1.2	-8.7	8.7	0.20	310.7	82.0	3.1
689	8.0	-1.4	-1.5	-10.4	7.7	0.20	312.8	57.0	2.0
645	4.9	-2.2	-3.0	0	6.9	0.20	315.2	50.0	3.7
599	1.8	-4.1	-0.86	0	5.3	0.20	318.4	92.0	4.2
551	-1.9	-6.0	-2.9	-14.1	4.1	0.20	321.8	78.3	6.6
502	-5.7	-7.1	-2.3	-28.1	2.7	0.20	325.8	86.0	7.5
453	-10.8	-10.7	-1.2	-42.2	1.4	0.20	329.1	97.3	10.7
403	-16.9	-12.1	-3.0	-42.2	0.87	0.20	332.3	90.0	12.5
353	-24.1	-8.7	-6.5	-56.3	0.71	0.20	335.4	66.9	10.9
305	-31.3	2.5	-7.3	-49.2	0.53	0.19	339.8	354.7	7.7
260	-39.5	5.3	-6.0	-56.3	0.32	0.20	343.6	332.5	8.0
221	-48.5	6.5	-7.1	-42.2	0.13	0.20	346.1	331.3	9.6
183	-60.7	6.0	-9.6	-17.6	4E-2	0.32	345.2	342.0	11.4
138	-72.4	-6.1	-8.7	0.88	1E-2	0.20	353.6	48.9	10.7
88	-65.3	-15.7	-1.1	0.69	1E-2	0.20	416.2	99.8	15.7
63	-59.1	-18.2	-3.1	0	1E-2	0.20	472.0	94.1	18.5
38	-47.3	-28.1	-8.1	0.23	2E-2	0.20	576.3	87.7	29.3



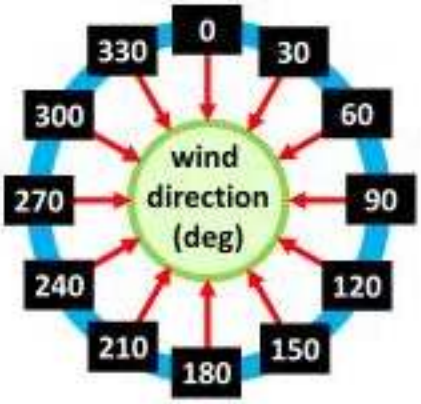
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 9 0 0
File ending time: 10 8 11 0 0

Profile Time: 10 8 9 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	1016	4E-3	29.2	80.0	0	-3.4	1016	151	20.1	0.13	0	160	688

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1014	28.3	0.15	-4.1	1.8	18.9	0.38	300.3	11.8	4.1
1009	27.9	1E-1	-4.2	4.7	18.8	0.43	300.2	12.7	4.2
1004	27.5	0.16	-4.1	3.9	18.7	0.44	300.2	11.6	4.1
999	27.0	0.18	-4.1	4.5	18.6	0.45	300.2	11.3	4.1
994	26.6	0.15	-4.1	5.1	18.6	0.45	300.2	11.8	4.1
989	26.1	0.13	-4.1	6.9	18.6	0.51	300.2	12.1	4.1
984	25.6	0.10	-4.0	5.6	18.5	0.51	300.2	12.4	4.0
979	25.3	0.19	-4.1	6.9	18.5	0.46	300.3	11.2	4.1
973	24.7	0.28	-4.0	6.0	18.4	0.46	300.2	9.9	4.0
967	24.3	0.38	-4.1	7.9	17.4	0.43	300.3	8.6	4.1
962	24.0	0.65	-4.1	8.0	16.7	0.21	300.5	5.0	4.2
955	23.6	0.84	-4.2	7.4	16.1	0.25	300.7	2.6	4.3
949	23.3	0.39	-4.2	8.4	16.0	0.15	301.0	8.6	4.2
942	22.9	-0.17	-4.2	8.2	15.7	0.20	301.1	16.2	4.2
935	22.6	-0.97	-4.6	5.0	15.4	0.20	301.5	25.8	4.7
927	22.0	-1.3	-4.7	5.4	15.1	0.20	301.6	29.2	4.9
919	21.6	-2.0	-5.0	4.3	14.7	0.20	301.9	35.9	5.4
897	20.4	-3.4	-4.7	3.2	13.9	0.20	302.8	49.6	5.8
870	19.1	-3.4	-1.8	2.9	12.6	0.20	304.1	75.9	3.8
839	17.3	-4.3	-0.60	0	11.4	0.20	305.4	95.9	4.3
805	15.2	-4.5	-0.62	0	10.1	0.20	306.8	96.1	4.6
769	13.3	-4.5	-1.1	-6.6	9.1	0.20	308.8	89.8	4.6
730	10.9	-3.0	-0.60	0	8.2	0.20	310.8	92.6	3.1
689	8.3	-1.5	-1.7	0	7.2	0.20	313.2	56.3	2.2
645	5.3	-2.2	-2.7	0	6.1	0.20	315.7	52.9	3.5
599	2.2	-3.6	0	14.1	4.6	0.20	318.9	103.9	3.6
551	-1.4	-6.1	-2.2	14.1	3.6	0.20	322.3	83.8	6.5
502	-5.5	-6.8	-1.1	0	2.0	0.20	326.0	94.9	6.9
453	-10.7	-9.2	-0.35	0	1.3	0.20	329.2	101.7	9.3
403	-16.8	-12.1	-2.2	-14.1	0.95	0.20	332.4	93.5	12.3
353	-24.1	-10.9	-3.3	-14.1	0.73	0.20	335.5	86.8	11.4
305	-31.3	0.71	-8.5	7.0	0.72	0.19	339.7	9.1	8.5
260	-40.0	6.1	-7.4	21.1	0.26	0.20	342.8	334.2	9.6
221	-49.1	5.6	-7.2	14.1	1E-1	0.20	345.2	335.8	9.1
183	-60.3	5.4	-9.6	7.0	3E-2	0.20	346.0	344.7	11.0
138	-71.9	-3.9	-8.1	-1.8	1E-2	0.20	354.5	39.4	8.9
88	-66.3	-14.6	-2.2	-1.1	1E-2	0	414.2	95.2	14.8
63	-60.2	-20.1	-3.4	0.36	1E-2	0	469.6	94.4	20.4
38	-47.4	-29.9	-7.9	0.26	2E-2	0.20	575.9	89.0	31.0



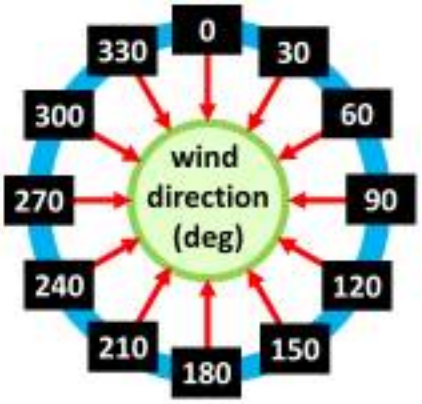
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 9 0 0
File ending time: 10 8 11 0 0

Profile Time: 10 8 9 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
1017	0	1016	0	29.4	78.0	1E-1	-3.8	1017	167	19.9	0.13	0	796	702

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1014	28.5	0.34	-4.3	2.9	18.4	0.38	300.5	9.4	4.3
1009	28.1	0.29	-4.3	3.4	18.4	0.38	300.5	10.0	4.3
1005	27.6	0.27	-4.2	3.8	18.3	0.38	300.4	10.3	4.2
1000	27.3	0.23	-4.4	7.4	18.3	0.40	300.4	10.9	4.4
995	26.8	0.18	-4.4	6.1	18.3	0.41	300.4	11.6	4.4
989	26.4	0.40	-4.4	6.9	18.3	0.47	300.4	8.7	4.5
984	25.8	0.31	-4.5	7.1	18.1	0.41	300.3	9.9	4.5
979	25.3	0.23	-4.4	7.5	18.1	0.45	300.3	10.8	4.4
973	24.8	0.23	-4.4	9.3	18.0	0.45	300.2	10.9	4.4
968	24.3	0.34	-4.5	9.6	18.0	0.41	300.3	9.5	4.5
962	24.1	0.36	-4.6	11.8	16.7	0.31	300.6	9.5	4.7
956	23.9	0.23	-4.7	12.4	15.9	0.22	300.9	11.0	4.8
949	23.6	-0.47	-5.1	11.1	15.5	0.26	301.2	19.1	5.2
942	23.3	-1.1	-5.3	11.0	15.0	0.25	301.5	25.1	5.4
935	22.9	-1.5	-5.4	11.0	14.8	0.18	301.8	29.8	5.6
928	22.6	-2.1	-5.4	11.5	14.5	0.17	302.1	35.0	5.8
919	22.1	-2.8	-5.1	10.7	14.0	0.14	302.5	42.5	5.9
898	21.0	-3.6	-3.6	14.5	13.3	0.20	303.4	58.7	5.1
870	19.4	-3.4	-1.7	14.4	12.2	0.20	304.4	77.1	3.9
840	17.5	-4.1	-1.2	14.1	11.1	0.20	305.6	87.0	4.3
806	15.2	-4.4	-1.2	13.9	9.9	0.20	306.8	88.0	4.6
769	13.5	-4.5	-1.4	6.7	9.0	0.20	309.0	87.2	4.7
730	10.9	-3.0	-0.75	5.9	8.0	0.20	310.8	89.7	3.1
689	8.2	-1.4	-2.1	0	7.4	0.20	313.0	47.5	2.5
645	5.1	-2.0	-3.0	0	6.3	0.20	315.4	47.1	3.6
599	2.0	-3.1	0.20	0	4.8	0.20	318.7	107.5	3.1
551	-1.2	-6.0	-1.7	0	3.1	0.20	322.6	88.0	6.3
502	-5.2	-6.7	-1.5	0	1.9	0.20	326.3	91.6	6.9
453	-10.7	-9.0	-0.97	0	1.1	0.20	329.2	97.7	9.1
403	-17.1	-13.1	-2.2	0	0.73	0.20	332.0	94.3	13.3
353	-24.5	-10.6	-1.0	0	0.63	0.20	334.9	98.2	10.6
305	-30.8	0.39	-7.1	0	0.59	0.20	340.5	10.7	7.1
260	-39.4	5.0	-7.9	0	0.25	0.20	343.7	341.5	9.3
221	-48.8	5.4	-10.1	-3.5	1E-1	0.20	345.7	345.6	11.5
183	-60.2	6.0	-10.7	-8.5	4E-2	0.20	346.0	344.3	12.2
138	-72.4	-3.2	-7.5	-1.3	1E-2	0.20	353.6	37.3	8.1
88	-67.0	-14.0	-2.8	0	1E-2	0.20	412.8	92.7	14.2
63	-60.0	-19.7	-2.8	0	1E-2	0.20	469.8	95.8	19.9
38	-46.4	-30.0	-8.5	0.45	2E-2	0.20	578.5	88.1	31.1



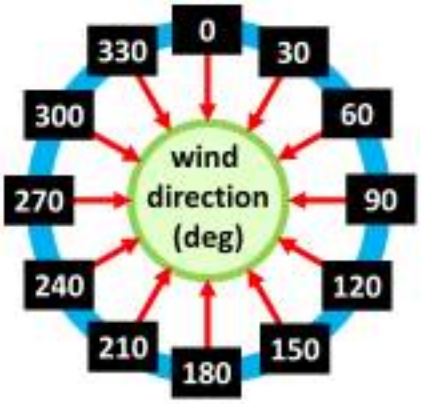
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 9 0 0
File ending time: 10 8 11 0 0

Profile Time: 10 8 9 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
1014	0	1015	0	29.6	75.0	0.11	-3.0	1014	159	19.2	0.12	0	938	767

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1011	28.8	0.16	-3.3	1.1	18.2	0.28	301.0	11.2	3.3
1006	28.3	1E-1	-3.4	1.9	18.1	0.38	300.9	12.2	3.4
1002	27.9	0	-3.4	3.4	18.0	0.38	300.9	13.9	3.4
997	27.5	0	-3.3	2.0	18.0	0.44	301.0	13.9	3.3
992	27.1	0	-3.4	3.6	18.1	0.44	300.9	13.9	3.4
987	26.6	1E-1	-3.4	3.3	18.0	0.38	300.9	12.2	3.4
981	26.0	1E-1	-3.4	5.2	18.0	0.41	300.7	12.8	3.4
976	25.6	0	-3.4	6.9	17.9	0.35	300.8	13.9	3.4
971	25.2	0.17	-3.4	6.5	18.0	0.41	300.9	11.0	3.4
965	24.7	0	-3.5	3.4	17.9	0.38	300.9	13.9	3.5
959	24.3	-0.36	-3.8	3.6	16.7	0.35	301.0	19.2	3.8
953	24.2	-1.1	-4.0	6.8	15.8	0.25	301.5	28.5	4.2
946	24.1	-1.7	-4.4	6.8	15.1	0.20	302.0	34.5	4.7
940	23.6	-2.2	-4.1	6.2	14.7	0	302.1	41.6	4.7
933	23.3	-2.7	-3.8	7.5	14.3	0	302.5	50.0	4.7
925	23.1	-3.6	-3.6	6.3	14.0	0	302.9	58.5	5.1
916	22.6	-4.2	-2.9	7.1	13.7	0.20	303.2	68.9	5.1
895	21.3	-4.5	-1.7	7.6	12.9	0.20	304.0	82.7	4.8
868	19.7	-3.8	-1.3	4.5	11.9	0.20	304.9	85.5	4.0
837	17.8	-4.2	-0.95	0	10.9	0.20	306.1	91.0	4.3
803	15.6	-4.9	-1.0	0	9.7	0.20	307.4	92.1	5.0
767	13.4	-4.9	-0.98	0	8.6	0.20	309.1	92.5	5.0
728	10.9	-2.7	-0.69	0	8.1	0.20	311.1	89.7	2.8
687	8.2	-1.5	-2.5	0	7.3	0.20	313.2	44.2	2.9
643	5.1	-1.4	-3.4	0	6.3	0.20	315.7	36.0	3.7
597	2.1	-1.9	0	0	4.8	0.20	319.1	103.9	1.9
549	-1.1	-4.9	-1.8	0	2.5	0.20	323.0	83.4	5.2
501	-5.1	-6.0	-1.7	0	1.2	0.20	326.7	87.6	6.2
452	-10.5	-8.4	-1.1	0	0.46	0.20	329.7	96.4	8.5
402	-17.1	-13.2	-1.2	0	0.57	0.20	332.3	98.6	13.3
352	-24.3	-8.7	-1.1	0	0.38	0.21	335.4	96.4	8.8
304	-30.5	-0.18	-7.1	0	0.56	0.21	341.1	15.3	7.1
259	-39.5	3.2	-8.1	-3.5	0.28	0.20	343.8	352.4	8.7
220	-49.0	4.4	-10.5	-7.0	0.11	0.20	345.6	351.2	11.3
183	-60.6	5.6	-11.3	-7.0	4E-2	0.20	345.7	347.5	12.6
138	-72.1	-3.8	-8.0	-0.70	1E-2	0.20	354.4	39.3	8.8
88	-66.9	-14.2	-3.7	1.3	1E-2	0.20	413.4	89.3	14.7
63	-59.3	-19.7	-3.0	-0.17	1E-2	0	471.9	95.3	19.9
38	-46.3	-29.5	-7.3	1E-1	3E-2	0.20	579.3	89.9	30.4



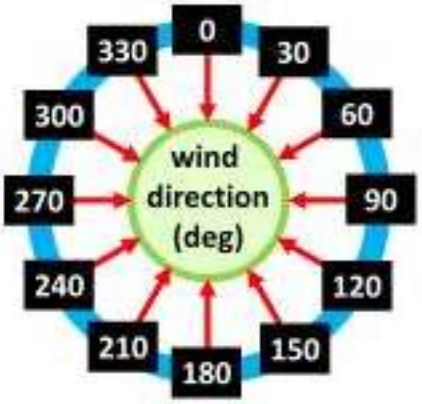
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 9 0 0
File ending time: 10 8 11 0 0

Profile Time: 10 8 9 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
1014	0	1014	0	30.2	74.0	0.25	-1.6	1014	111	10.2	1E-1	0	947	1023

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1011	29.3	0.29	-2.0	1.4	18.1	0.40	301.5	5.6	2.0
1007	28.9	0.34	-2.0	1.5	18.1	0.40	301.5	4.1	2.0
1002	28.5	0.32	-1.9	2.8	18.1	0.50	301.5	4.3	1.9
997	28.1	0.29	-2.1	1.8	18.1	0.52	301.5	6.2	2.2
992	27.6	0.24	-2.1	1.2	18.0	0.55	301.5	7.4	2.1
987	27.1	0.28	-2.1	3.7	18.0	0.54	301.5	6.3	2.1
981	26.8	0.27	-2.1	2.9	18.0	0.53	301.6	6.6	2.1
976	26.1	0.30	-2.1	2.8	18.0	0.50	301.4	5.7	2.1
971	25.6	0.18	-2.2	2.8	18.0	0.55	301.3	9.3	2.2
965	25.2	0.21	-2.2	4.0	17.9	0.50	301.4	8.4	2.2
959	24.6	-0.15	-2.4	4.6	18.0	0.50	301.4	17.4	2.4
953	24.3	-1.0	-2.6	4.4	16.8	0.50	301.6	35.5	2.8
946	24.1	-1.7	-2.6	3.3	16.0	0.26	302.0	46.2	3.1
940	23.8	-2.4	-2.2	4.6	15.3	0.24	302.3	61.7	3.2
933	23.6	-3.3	-1.9	3.5	14.6	0.23	302.7	73.1	3.8
925	23.2	-4.0	-1.3	4.5	14.2	0.23	303.0	85.6	4.3
916	22.8	-4.7	-0.93	4.6	13.8	0.18	303.5	92.6	4.8
895	21.5	-4.9	-0.92	0	12.8	0.18	304.2	93.3	5.0
868	19.8	-4.4	-1.0	3.5	11.8	0.20	305.1	90.3	4.5
837	17.9	-4.4	-0.91	0	10.8	0.20	306.2	92.2	4.5
803	15.7	-5.2	-0.45	0	9.4	0.20	307.5	98.9	5.2
767	13.3	-5.3	-0.78	0	8.1	0.20	309.0	95.6	5.4
728	10.9	-2.9	-1.1	0	8.2	0.20	311.0	83.0	3.1
687	8.2	-1.8	-3.0	0	7.4	0.20	313.3	44.7	3.5
643	5.3	-1.3	-3.5	0	6.1	0.20	315.9	35.1	3.7
597	2.3	-0.87	-0.97	0	4.6	0.20	319.2	55.7	1.3
549	-0.76	-3.9	-2.1	0	1.9	0.20	323.3	75.2	4.5
501	-4.8	-5.8	-2.5	2.7	0.57	0.20	327.0	80.3	6.3
452	-10.2	-8.6	-2.1	3.1	0.49	0.20	330.0	90.1	8.9
402	-17.3	-12.3	-1.1	2.5	0.60	0.20	332.1	98.9	12.3
352	-24.0	-7.1	-1.3	3.5	0.34	0.20	335.8	93.2	7.2
304	-30.6	-3.4	-9.0	0	0.42	0.22	341.0	34.5	9.6
259	-39.8	0.71	-8.3	-3.5	0.31	0.20	343.4	9.0	8.3
220	-49.2	3.9	-11.4	-3.5	0.13	0.20	345.3	354.8	12.0
183	-60.8	5.6	-11.2	-3.1	4E-2	0.20	345.4	347.0	12.5
138	-71.8	-4.4	-8.2	-1.6	1E-2	0.20	354.9	42.2	9.3
88	-66.6	-14.3	-3.9	0	1E-2	0.20	414.0	88.4	14.8
63	-59.0	-19.4	-2.7	0.58	1E-2	0.20	472.4	95.8	19.6
38	-46.6	-29.3	-7.2	0.16	3E-2	0.20	578.5	90.1	30.2



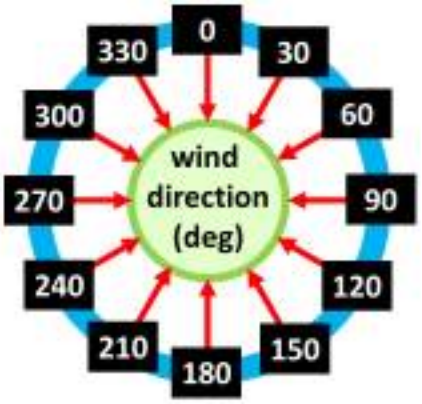
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 9 0 0
File ending time: 10 8 11 0 0

Profile Time: 10 8 9 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	1014	0	30.9	75.0	0.16	-0.47	1014	67.2	0	4E-2	0	897	1151

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1012	30.1	0.36	-0.67	0.88	18.2	0.31	302.2	345.8	0.8
1007	29.6	0.31	-0.76	1.5	18.2	0.29	302.2	351.8	0.8
1002	29.2	0.28	-0.96	0	18.1	0.39	302.2	357.7	1.0
997	28.7	0.34	-0.89	2.6	18.1	0.35	302.1	352.8	1.0
992	28.4	0.30	-1.0	2.9	18.0	0.41	302.2	357.4	1.1
987	28.0	0.28	-1.1	3.6	18.0	0.42	302.2	359.1	1.1
982	27.5	0.31	-1.1	4.7	18.0	0.39	302.2	357.8	1.1
977	26.9	0.18	-1.2	4.7	18.0	0.38	302.1	5.0	1.2
971	26.6	0.27	-1.2	5.0	18.0	0.41	302.2	1.4	1.2
965	25.9	0	-1.3	5.2	18.0	0.41	302.1	13.9	1.3
960	25.4	-0.22	-1.6	5.4	17.8	0.38	302.1	21.8	1.6
953	24.8	-0.63	-1.6	6.9	17.8	0.40	302.1	35.0	1.7
947	24.5	-1.7	-1.7	7.4	16.9	0.43	302.3	60.4	2.4
940	24.0	-2.2	-1.5	7.8	16.3	0.18	302.4	69.4	2.6
933	23.6	-3.0	-1.3	6.2	15.8	0.20	302.7	80.1	3.3
925	23.3	-3.9	-0.82	4.4	15.0	0.20	303.1	91.9	4.0
917	22.8	-4.7	-0.67	4.5	14.1	0.20	303.4	95.7	4.7
895	21.5	-5.3	-0.68	5.3	12.9	0.20	304.2	96.5	5.3
868	20.0	-4.8	-1.1	3.9	11.8	0.20	305.2	90.7	5.0
838	18.0	-4.9	-1.2	3.5	10.6	0.20	306.2	90.5	5.1
804	15.9	-5.6	-0.69	0	8.9	0.20	307.7	96.9	5.7
767	13.3	-5.4	-2.0	0	7.8	0.20	309.0	83.7	5.7
729	10.8	-3.0	-1.8	-7.0	8.1	0.20	310.9	73.7	3.5
687	8.0	-2.1	-3.7	-7.0	7.5	0.20	313.0	43.1	4.2
644	5.1	-1.3	-3.9	0	6.3	0.20	315.6	32.8	4.2
597	2.2	0	-1.6	0	4.7	0.20	319.1	13.9	1.6
550	-0.62	-3.1	-2.5	0	1.6	0.20	323.4	64.8	3.9
501	-4.7	-5.8	-2.7	0	0.56	0.20	327.2	78.8	6.4
452	-10.0	-8.6	-2.4	0	0.58	0.20	330.3	88.0	8.9
402	-17.4	-10.3	-0.71	3.5	0.62	0.20	331.9	99.9	10.3
353	-23.7	-6.1	-1.3	0	0.34	0.19	336.1	91.5	6.3
304	-30.8	-4.4	-9.4	-3.5	0.28	0.21	340.7	38.8	10.4
259	-40.0	0	-9.5	-7.0	0.32	0.20	343.1	13.9	9.5
220	-48.9	3.4	-11.6	-8.8	0.14	0.20	345.7	357.4	12.1
183	-60.6	6.6	-12.2	-3.5	4E-2	0.20	345.6	345.4	13.9
138	-71.7	-5.1	-8.2	0	1E-2	0.20	355.0	46.1	9.7
88	-66.8	-15.2	-2.9	0.42	1E-2	0.20	413.5	92.9	15.5
63	-58.7	-19.1	-4.0	0.50	1E-2	0.20	473.0	92.0	19.5
38	-46.9	-28.8	-6.8	0.42	3E-2	0.20	577.8	90.5	29.6



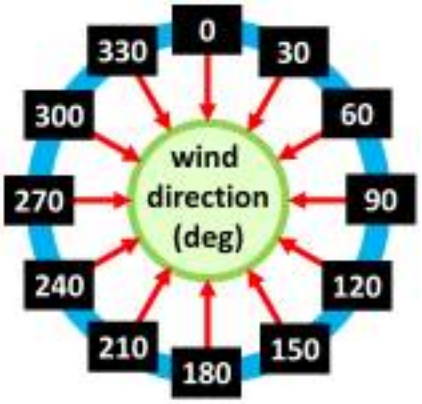
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 9 0 0
File ending time: 10 8 11 0 0

Profile Time: 10 8 9 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	1014	0	31.3	70.0	0.13	0.84	1014	99.2	0	1E-1	0	834	1266

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1012	30.5	0.35	0.93	0	18.4	0.29	302.6	214.7	1.0
1007	30.0	0.38	0.76	2.8	18.2	0.32	302.6	220.5	0.8
1002	29.6	0.30	0.60	1.8	18.3	0.30	302.6	220.0	0.7
997	29.2	0.30	0.60	2.7	18.1	0.27	302.6	220.2	0.7
992	28.7	0.25	0.55	2.7	18.1	0.28	302.6	218.0	0.6
987	28.2	0.36	0.33	4.1	18.2	0.31	302.5	241.3	0.5
982	27.8	0.26	0.15	4.4	18.1	0.32	302.5	253.5	0.3
977	27.5	0.21	0	6.0	17.9	0.24	302.7	283.9	0.2
971	26.9	0	0	5.4	18.0	0.36	302.5	283.9	0.2
965	26.5	-0.26	-0.30	7.0	17.7	0.35	302.7	53.9	0.4
959	26.0	-0.92	-0.74	8.8	17.4	0.25	302.7	64.8	1.2
953	25.4	-0.97	-0.55	9.8	17.4	0.35	302.7	74.3	1.1
947	25.0	-1.9	-0.87	9.5	16.7	0.25	302.8	79.2	2.1
940	24.4	-1.9	-0.77	10.1	16.7	0.25	302.8	82.2	2.1
933	23.9	-2.7	-0.81	9.9	16.0	0.30	303.0	87.1	2.8
925	23.4	-3.6	-0.80	12.3	15.4	0.20	303.2	91.2	3.7
917	22.8	-4.5	-0.74	9.8	14.5	0.18	303.4	94.4	4.5
895	21.6	-5.4	-0.52	7.5	12.9	0.20	304.3	98.4	5.5
868	20.1	-5.8	-0.97	4.9	11.7	0.20	305.3	94.3	5.9
838	18.2	-5.7	-1.1	4.2	10.2	0.20	306.6	93.3	5.8
804	16.0	-6.1	-1.2	0	8.9	0.20	307.8	92.8	6.3
767	13.3	-6.2	-3.3	0	8.1	0.20	309.0	76.1	7.0
728	10.4	-3.6	-2.3	0	7.4	0.20	310.4	71.6	4.3
687	7.7	-2.1	-3.6	-7.0	7.8	0.20	312.6	43.4	4.2
644	4.7	-1.7	-4.3	-7.0	6.8	0.20	315.1	35.6	4.6
597	2.1	0.78	-2.1	-3.0	4.8	0.20	318.9	353.3	2.2
549	-0.78	-2.3	-2.3	-7.0	1.6	0.20	323.3	58.6	3.3
501	-4.7	-5.3	-2.3	-3.5	0.55	0.20	327.2	80.1	5.8
452	-9.9	-8.5	-2.7	-1.8	0.61	0.20	330.4	86.4	8.9
402	-17.4	-7.9	-0.78	0	0.61	0.20	331.9	98.2	7.9
352	-23.6	-5.2	-1.8	0	0.36	0.19	336.2	84.8	5.5
304	-31.1	-6.0	-6.3	-3.5	0.18	0.22	340.2	57.3	8.7
259	-39.8	0.89	-12.0	0	0.32	0.20	343.4	9.6	12.0
220	-49.1	3.2	-11.1	-3.5	0.13	0.20	345.4	357.9	11.5
183	-60.5	7.3	-12.6	-3.5	4E-2	0.20	345.8	343.8	14.5
138	-71.1	-5.4	-8.3	1.9	1E-2	0.20	356.2	46.8	9.8
88	-67.0	-14.5	-2.4	-0.54	1E-2	0.20	413.0	94.3	14.7
63	-58.7	-20.2	-5.3	-0.35	1E-2	0.20	473.1	89.2	20.9
38	-46.5	-28.2	-5.6	0.18	3E-2	0.20	578.6	92.6	28.7



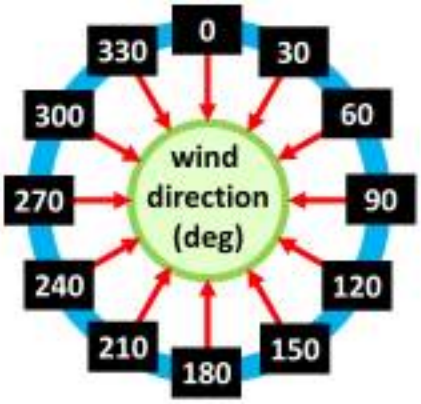
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 9 0 0
File ending time: 10 8 11 0 0

Profile Time: 10 8 9 21 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1014	0	1013	0	31.1	70.0	0.50	2.1	1014	134	0	0.12	0	703	1152

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1011	30.4	0.97	2.2	1.8	18.6	0.28	302.6	217.9	2.4
1007	30.0	0.86	2.0	2.3	18.5	0.26	302.6	217.4	2.2
1002	29.5	1.0	2.0	3.3	18.4	0.30	302.5	221.7	2.2
997	29.2	0.98	1.8	3.5	18.4	0.28	302.6	222.9	2.0
992	28.7	0.84	1.7	3.9	18.3	0.24	302.6	220.2	1.9
987	28.3	0.93	1.6	6.3	18.3	0.28	302.6	224.1	1.8
982	27.8	0.82	1.5	5.0	18.3	0.24	302.6	222.8	1.7
976	27.6	0.67	1.3	8.8	17.6	0.21	302.9	220.8	1.5
971	27.0	0.21	1.1	8.8	17.5	0.20	302.7	205.1	1.1
965	26.8	-0.43	0.46	10.5	17.2	0.18	303.0	151.1	0.6
959	26.4	-0.92	0.13	9.4	16.8	0.32	303.1	111.7	0.9
953	25.7	-0.99	0.30	12.3	16.8	0.32	303.0	120.9	1.0
947	25.3	-1.8	-1E-1	10.5	16.2	0	303.2	100.9	1.8
940	24.8	-2.0	-1E-1	10.5	16.3	0	303.3	102.0	2.0
933	24.3	-2.6	-0.44	13.4	15.6	0.50	303.5	94.3	2.6
925	23.7	-3.2	-0.51	12.5	15.0	0	303.5	94.8	3.2
916	23.3	-4.2	-0.74	12.3	14.1	0	303.9	93.8	4.3
895	22.0	-5.7	-0.72	7.0	12.8	0.20	304.7	96.6	5.7
868	20.4	-6.7	-0.80	4.3	11.3	0.20	305.7	97.0	6.7
837	18.4	-6.7	-0.62	0	9.9	0.20	306.8	98.5	6.7
803	15.8	-7.1	-2.2	0	9.6	0.20	307.7	86.4	7.5
767	13.1	-7.6	-4.3	0	8.5	0.20	308.8	74.4	8.8
728	10.0	-4.8	-3.6	-4.1	6.9	0.20	310.0	66.6	6.0
687	7.5	-2.8	-3.5	-3.5	8.1	0.20	312.5	52.2	4.5
643	4.5	-2.4	-4.7	0	7.1	0.20	315.0	40.8	5.3
597	2.0	0.81	-3.3	0	4.8	0.20	318.9	0.2	3.4
549	-0.86	-1.8	-3.1	0	1.6	0.20	323.2	44.3	3.6
501	-4.7	-4.8	-3.0	0	0.55	0.20	327.2	71.6	5.6
452	-9.9	-7.5	-3.0	0	0.60	0.20	330.5	82.1	8.1
402	-17.3	-5.6	-1.3	3.5	0.60	0.20	332.1	90.8	5.8
352	-23.6	-4.3	-2.7	-3.5	0.39	0.19	336.3	71.3	5.1
304	-31.5	-8.0	-2.8	-8.6	0.19	0.20	339.7	84.6	8.5
259	-39.8	1.1	-11.4	-6.4	0.32	0.20	343.4	8.3	11.5
220	-49.0	3.7	-11.4	-3.4	0.13	0.20	345.6	355.8	12.0
183	-60.4	6.8	-13.4	-2.9	4E-2	0.20	345.9	346.9	15.1
138	-70.9	-6.7	-8.4	-1.2	1E-2	0.20	356.5	52.6	10.7
88	-67.4	-13.5	-2.5	0.57	1E-2	0.20	412.3	93.5	13.8
63	-58.9	-21.5	-5.1	-0.25	1E-2	0.20	472.7	90.4	22.1
38	-46.3	-27.6	-5.8	0.13	2E-2	0.20	579.3	92.0	28.2



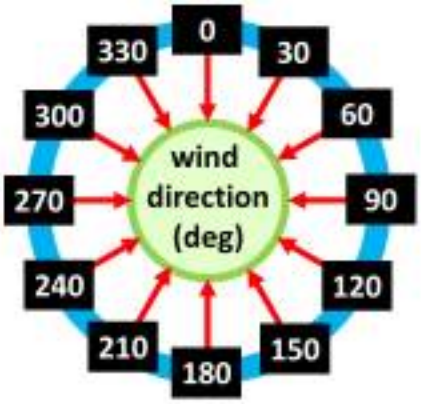
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 9 0 0
File ending time: 10 8 11 0 0

Profile Time: 10 8 9 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
1014	0	1013	0	31.1	71.0	2.1	2.4	1014	153	6.8	0.13	0	511	962

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1011	30.3	2.6	2.4	3.5	18.7	0.21	302.5	241.4	3.6
1006	29.9	2.7	2.5	4.5	18.6	0.22	302.5	241.0	3.6
1001	29.5	2.6	2.3	5.3	18.3	0.22	302.5	243.2	3.5
997	29.1	2.6	2.3	5.3	18.2	0.20	302.5	242.8	3.5
992	28.6	2.6	2.2	8.9	18.2	0.32	302.5	243.9	3.4
986	28.1	2.6	2.1	8.8	18.2	0.20	302.4	244.1	3.3
981	27.7	2.5	1.9	11.0	17.9	0.20	302.5	246.6	3.1
976	27.6	1.6	1.3	10.2	16.9	0.32	302.9	245.3	2.1
970	27.1	1.1	0.99	13.3	16.7	0.20	302.9	241.1	1.5
965	26.9	0.79	0.69	13.9	16.3	0.32	303.2	243.1	1.0
959	26.4	0.74	0.83	15.7	16.3	0.32	303.2	235.5	1.1
953	26.1	0	0.35	16.4	15.9	0.32	303.4	193.9	0.3
946	25.5	-0.36	0	15.9	15.6	0.20	303.5	103.9	0.4
940	25.1	-0.84	1E-1	16.4	15.4	0.20	303.6	109.0	0.8
932	24.6	-1.5	-0.48	16.5	14.9	0.20	303.8	86.1	1.6
925	24.1	-2.2	-0.48	17.0	14.4	0.20	304.0	91.3	2.2
916	23.8	-2.8	-0.79	14.5	13.7	0.20	304.4	88.4	2.9
895	22.4	-5.0	-0.71	10.0	12.3	0.20	305.1	95.7	5.0
868	21.0	-6.0	-0.37	8.0	10.5	0.20	306.3	100.4	6.0
837	18.7	-6.8	-0.76	7.2	9.9	0.20	307.1	97.5	6.8
803	15.9	-7.7	-3.5	3.5	10.0	0.20	307.8	79.4	8.5
767	13.0	-8.3	-5.2	4.6	8.4	0.20	308.8	72.0	9.8
728	9.9	-5.8	-5.4	7.0	7.0	0.20	310.0	61.1	7.9
687	7.4	-3.3	-4.2	0	8.0	0.20	312.3	51.7	5.3
643	4.6	-3.0	-5.1	3.5	7.0	0.20	315.1	44.2	6.0
597	2.0	-0.21	-4.4	2.9	4.8	0.20	318.9	16.5	4.4
549	-0.99	-2.2	-3.3	0	1.7	0.20	323.1	47.8	4.0
500	-4.8	-5.1	-3.4	0	0.54	0.20	327.1	69.9	6.1
451	-10.0	-7.4	-3.1	0	0.60	0.20	330.3	80.9	8.1
402	-17.2	-4.3	-2.3	6.1	0.63	0.20	332.2	75.7	4.8
352	-23.6	-3.6	-3.1	5.3	0.45	0.19	336.3	63.3	4.8
304	-31.8	-7.6	-1.4	-3.1	0.27	0.21	339.3	93.0	7.7
259	-40.3	-1.7	-8.9	-7.6	0.28	0.20	342.6	24.3	9.1
220	-48.9	4.4	-11.7	-5.3	0.14	0.20	345.9	353.2	12.5
183	-60.4	6.3	-14.3	0	4E-2	0.20	346.0	350.2	15.6
138	-71.2	-7.4	-8.7	-1.2	1E-2	0.20	356.0	54.3	11.4
88	-66.6	-13.2	-3.0	0.80	1E-2	0.20	413.9	90.9	13.5
63	-58.9	-20.9	-5.6	-0.26	1E-2	0.20	472.7	88.8	21.7
38	-46.8	-27.5	-5.7	0.14	2E-2	0.20	578.2	92.2	28.1



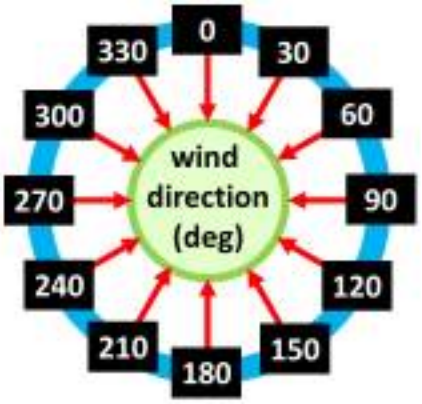
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 9 0 0
File ending time: 10 8 11 0 0

Profile Time: 10 8 9 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	1013	0	31.1	71.0	3.3	1.8	1012	166	5.8	0.16	0	301	834

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	WDIR deg	WSPD m/s
1010	30.4	4.0	2.0	1.8	18.6	0.25	302.7	257.4	4.5
1005	30.0	3.9	1.8	4.5	18.5	0.23	302.7	258.5	4.3
1000	29.6	3.8	1.9	4.3	18.4	0.24	302.7	257.9	4.3
995	29.1	4.1	1.8	6.2	18.4	0.24	302.7	259.8	4.4
990	28.7	4.0	1.8	7.7	18.3	0.32	302.8	260.0	4.4
985	28.2	4.0	1.6	10.7	18.2	0.30	302.7	261.4	4.3
980	28.1	3.5	1.4	11.7	16.9	0.30	303.0	261.5	3.7
974	27.9	2.8	0.75	11.2	16.2	0.18	303.3	268.7	2.9
969	27.3	2.9	0.86	11.8	16.2	0.18	303.2	267.5	3.1
963	27.1	2.2	0.60	13.2	15.9	0.20	303.5	268.7	2.3
957	26.5	1.9	0.38	15.0	15.7	0.18	303.4	272.6	2.0
951	26.4	1.3	-0.17	13.9	15.4	0.18	303.8	291.6	1.3
945	25.9	0.70	-0.25	15.1	15.2	0.18	304.0	303.9	0.7
938	25.5	0.32	-0.54	15.4	14.8	0.20	304.1	343.4	0.6
931	25.0	-0.32	-0.79	15.4	14.6	0	304.3	36.2	0.8
923	24.6	-1.1	-0.75	13.0	14.2	0	304.6	68.4	1.3
915	24.1	-2.0	-1.0	12.5	13.5	0	304.9	76.5	2.2
893	22.9	-4.1	-0.55	10.5	11.8	0	305.7	96.2	4.2
866	21.3	-5.1	0	10.5	10.2	0.20	306.8	103.9	5.1
836	18.8	-6.9	-1.9	10.5	10.3	0.20	307.3	88.1	7.1
802	16.3	-9.2	-4.0	14.1	9.1	0.20	308.4	80.5	10.0
766	13.5	-9.3	-5.8	10.5	7.7	0.20	309.4	72.1	11.0
727	10.2	-6.4	-6.3	10.5	6.7	0.20	310.5	59.4	9.0
686	7.6	-3.0	-5.0	3.5	7.3	0.20	312.7	45.0	5.8
642	5.1	-3.2	-5.3	0	6.1	0.20	315.8	44.9	6.2
596	2.1	-0.91	-5.3	-3.5	4.4	0.20	319.1	23.6	5.4
548	-1.1	-2.5	-4.2	-3.5	1.7	0.20	323.0	44.6	4.9
500	-4.9	-5.0	-3.4	-3.5	0.54	0.20	327.1	69.5	6.0
451	-10.1	-7.3	-3.4	1.9	0.60	0.20	330.4	78.7	8.1
401	-17.0	-3.3	-2.5	7.0	0.63	0.20	332.7	66.3	4.1
352	-23.3	-4.9	-2.8	6.9	0.50	0.19	336.9	74.2	5.6
303	-31.8	-6.3	-1.3	3.4	0.28	0.21	339.5	92.4	6.5
259	-40.5	-3.4	-7.4	0	0.20	0.20	342.5	38.4	8.1
220	-48.6	5.0	-12.1	-8.8	0.14	0.20	346.5	351.2	13.1
182	-60.4	5.4	-15.0	-5.8	4E-2	0.20	346.2	353.9	15.9
138	-71.5	-7.9	-8.7	-1.1	1E-2	0.20	355.6	55.9	11.8
88	-66.5	-12.8	-2.7	0.68	1E-2	0.20	414.3	91.8	13.1
63	-58.8	-19.7	-5.9	-0.46	1E-2	0.20	473.1	87.2	20.6
38	-47.1	-27.5	-6.7	0.24	3E-2	0.20	577.6	90.1	28.3



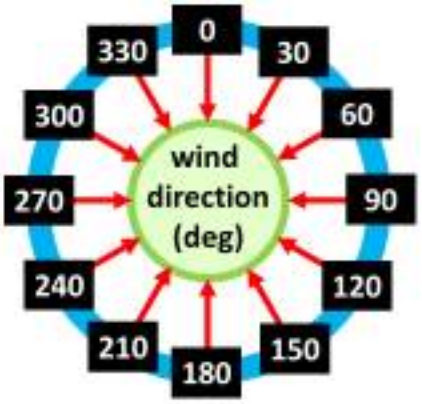
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 9 0 0
File ending time: 10 8 11 0 0

Profile Time: 10 8 10 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
1015	0	1013	0	31.2	71.0	4.0	1.4	1015	167	5.2	0.15	0	118	578

	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	4.6	1.6	3.5	18.6	0.27	302.5	264.9	4.8
1008	30.0	4.7	1.5	3.5	18.6	0.28	302.5	266.0	5.0
1003	29.7	4.9	1.5	3.5	18.5	0.28	302.5	267.0	5.1
998	29.2	4.9	1.4	7.0	18.4	0.27	302.5	268.1	5.0
993	28.8	4.8	1.4	7.0	18.4	0.29	302.6	267.8	4.9
988	28.3	4.8	1.3	8.8	18.2	0.33	302.5	268.3	5.0
983	28.3	4.7	1.0	10.5	16.9	0.30	303.0	271.6	4.8
978	27.8	4.2	0.68	8.8	16.8	0.36	302.9	274.7	4.3
972	27.4	4.0	0.58	8.8	16.5	0.32	303.0	275.5	4.0
967	27.2	3.2	0.47	8.8	16.1	0.20	303.3	275.5	3.2
961	26.7	2.7	0	10.5	15.9	0.20	303.3	283.9	2.7
954	26.5	2.1	-0.33	14.1	15.7	0	303.7	292.8	2.1
948	26.0	1.7	-0.49	10.5	15.5	0	303.7	300.2	1.8
941	25.6	1.1	-0.81	10.5	15.1	0	303.9	321.3	1.3
934	25.2	0.39	-0.96	10.5	14.9	0	304.2	351.7	1.0
926	24.8	-0.54	-0.95	7.0	14.4	0	304.5	43.6	1.1
918	24.2	-1.4	-0.76	7.0	13.6	0	304.8	75.8	1.6
896	23.1	-3.3	0	7.0	11.7	0	305.7	103.9	3.3
869	21.4	-4.3	0.16	7.0	10.7	0.20	306.6	106.0	4.3
839	19.1	-7.3	-1.9	8.3	10.1	0.20	307.4	88.9	7.5
805	16.8	-9.5	-3.6	12.2	7.8	0.20	308.6	83.3	10.2
768	14.1	-9.8	-5.6	14.9	5.7	0.20	309.7	74.0	11.2
729	10.8	-7.3	-7.3	14.1	5.1	0.20	310.7	58.9	10.4
688	7.8	-3.3	-5.7	7.0	5.8	0.20	312.7	43.9	6.5
644	5.2	-3.4	-5.7	-4.1	5.3	0.20	315.6	44.4	6.6
598	1.9	-1.7	-6.8	-5.1	4.0	0.20	318.6	27.9	7.0
550	-1.4	-2.1	-4.7	-7.0	1.8	0.20	322.4	37.9	5.1
501	-5.1	-4.9	-4.0	-3.5	0.54	0.20	326.6	64.5	6.3
452	-10.1	-6.6	-3.8	2.6	0.63	0.20	330.0	74.0	7.7
403	-16.6	-2.6	-3.2	7.8	0.65	0.20	332.9	52.1	4.1
353	-22.8	-5.5	-2.6	7.0	0.51	0.21	337.2	78.3	6.1
304	-31.6	-5.2	-2.6	3.2	0.26	0.18	339.4	77.1	5.9
260	-40.5	-5.5	-8.1	-3.5	0.14	0.20	342.3	48.0	9.8
220	-48.7	4.0	-13.6	-5.3	0.14	0.20	346.0	357.6	14.2
183	-60.5	4.2	-15.0	-4.4	4E-2	0.20	345.7	358.2	15.6
138	-71.6	-7.7	-8.7	-1.3	1E-2	0.20	355.2	55.5	11.6
88	-66.6	-12.7	-3.0	0.18	1E-2	0.20	413.8	90.3	13.0
63	-59.2	-18.8	-6.1	-0.30	1E-2	0.20	471.8	86.0	19.7
38	-47.3	-27.4	-8.0	-0.11	3E-2	0.20	576.4	87.7	28.6



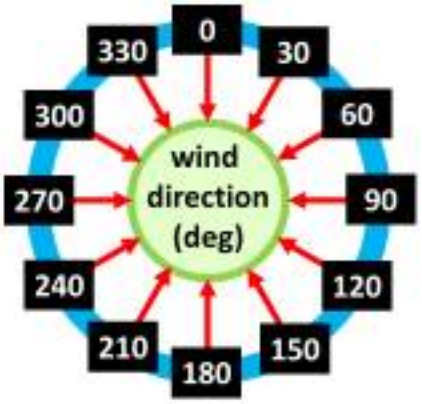
Meteorological Profile: hysplit.t00z.namsf

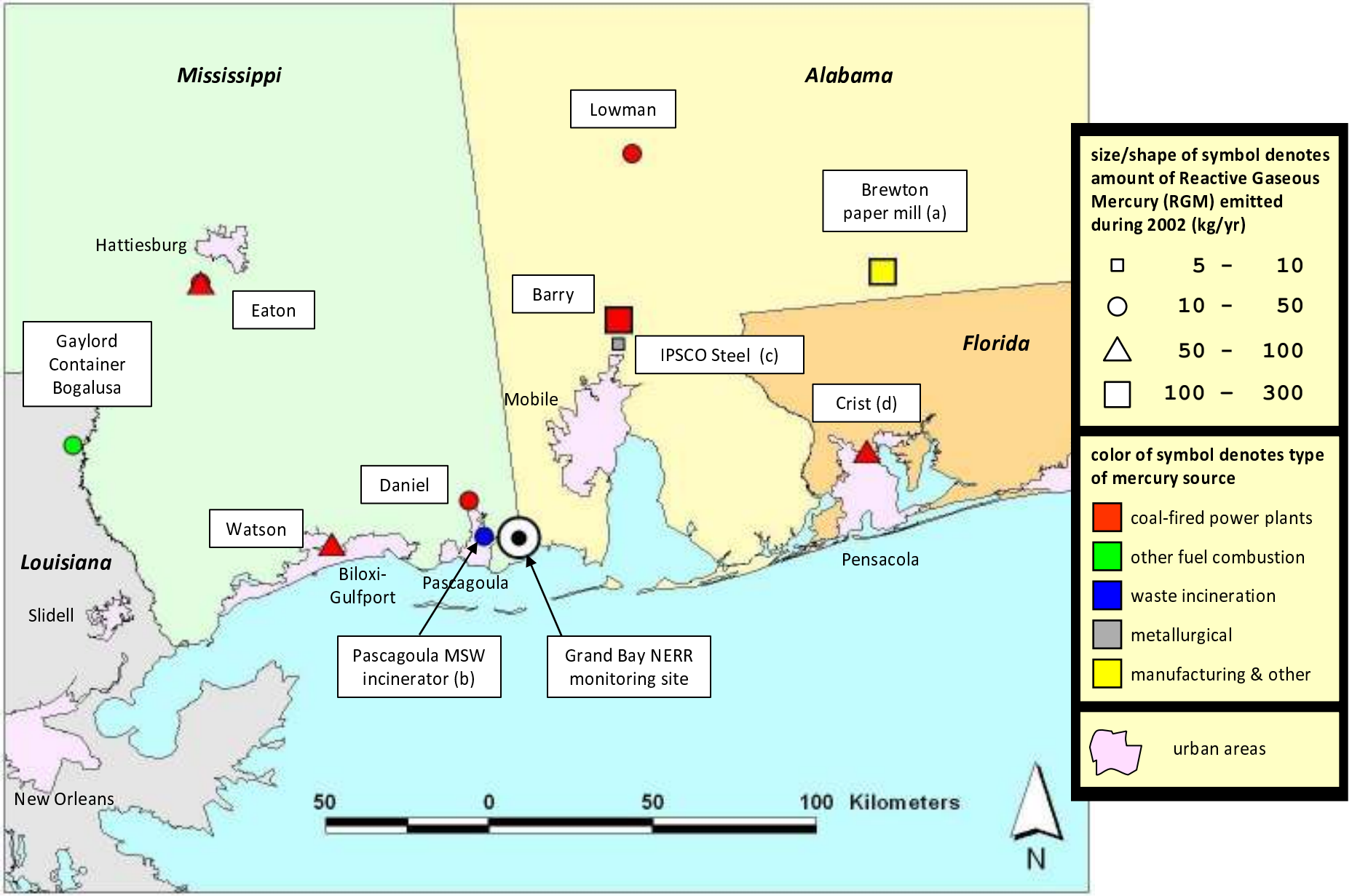
File start time : 10 8 9 0 0
File ending time: 10 8 11 0 0

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

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1015	0	1013	0	31.2	72.0	4.4	0.89	1015	152	4.9	0.14	0	0	498

	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	4.8	0.89	1.8	19.1	0.27	302.5	273.4	4.9
1008	30.1	4.7	0.90	1.8	18.9	0.27	302.6	273.0	4.8
1003	29.7	4.9	0.82	2.6	18.8	0.27	302.5	274.3	4.9
998	29.3	4.8	0.78	3.5	18.8	0.27	302.6	274.7	4.9
993	28.9	5.0	0.87	3.5	18.8	0.20	302.6	273.9	5.1
988	28.4	5.0	0.89	3.5	18.7	0.20	302.5	273.8	5.1
983	28.1	5.0	0.67	3.5	17.6	0.20	302.8	276.3	5.0
978	27.6	4.5	0	4.1	17.5	0.20	302.7	283.9	4.5
972	27.5	4.5	-0.31	5.1	17.2	0.20	303.1	287.8	4.5
966	27.1	3.5	-0.20	5.6	17.0	0.20	303.2	287.1	3.5
961	26.5	3.3	-0.59	5.7	16.8	0.20	303.1	294.2	3.3
954	26.4	2.7	-0.65	5.1	16.5	0.20	303.5	297.5	2.7
948	25.9	1.9	-1.0	2.2	16.3	0.20	303.7	312.8	2.1
941	25.5	1.4	-1.2	2.7	16.0	0.20	303.9	322.8	1.8
934	25.0	0.54	-1.2	0	15.6	0.20	304.1	350.1	1.3
926	24.6	-0.42	-1.0	0	15.0	0.20	304.3	36.5	1.1
918	24.1	-1.3	-0.83	-2.5	14.3	0.20	304.6	72.1	1.6
896	23.0	-2.7	0.39	-3.4	12.0	0.20	305.6	112.0	2.7
869	21.1	-3.8	0.21	-7.0	11.1	0.20	306.3	107.0	3.8
838	19.0	-6.5	-1.1	-3.5	10.6	0.20	307.3	94.4	6.6
804	16.7	-8.8	-2.3	0	8.2	0.20	308.5	89.3	9.1
768	14.2	-9.3	-2.9	7.0	6.0	0.20	309.9	86.7	9.7
729	11.2	-7.8	-6.1	0	4.3	0.20	311.3	65.8	9.9
688	7.9	-4.8	-6.8	0	3.9	0.20	312.8	49.3	8.3
644	5.4	-3.5	-6.2	-7.0	4.5	0.20	315.9	43.1	7.1
598	1.7	-2.5	-7.1	0	3.5	0.20	318.4	33.1	7.5
550	-1.6	-2.0	-5.3	0	1.8	0.20	322.2	34.2	5.7
501	-5.0	-4.6	-4.1	0	0.54	0.20	326.7	61.9	6.2
452	-10.1	-6.0	-3.6	0	0.63	0.20	330.1	73.1	7.0
403	-16.2	-2.1	-4.3	0	0.65	0.20	333.3	39.5	4.8
353	-22.6	-5.4	-2.3	0	0.51	0.19	337.5	80.8	5.9
304	-31.5	-4.0	-4.4	0	0.24	0.20	339.5	56.6	6.0
260	-40.6	-6.7	-9.2	0	0.17	0.20	342.0	50.2	11.4
220	-48.9	1.1	-14.0	-7.0	0.14	0.20	345.7	9.2	14.0
183	-60.5	4.3	-14.9	-5.3	4E-2	0.20	345.7	357.8	15.6
138	-71.3	-8.0	-8.5	-0.88	1E-2	0.20	355.6	57.2	11.7
88	-66.9	-12.6	-2.6	0.41	1E-2	0.20	413.1	92.4	12.8
63	-59.3	-18.6	-5.4	0.16	1E-2	0.20	471.7	87.7	19.4
38	-47.1	-27.2	-8.8	-0.11	3E-2	0.20	576.9	85.9	28.6

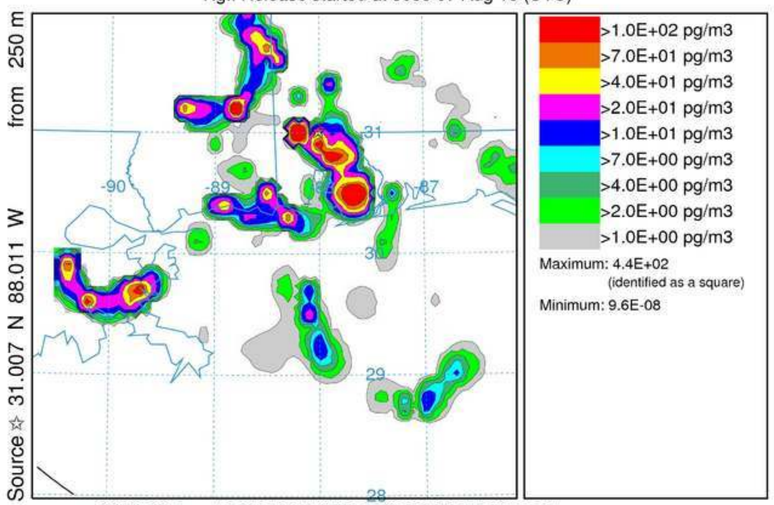




(a) Mercury emissions included in 2002 NEI , but do not appear to be in 2000-2008 TRI
(b) Mercury emissions included in 2002 NEI but incineration ceased in January 2001
(c) Significant mercury emissions in 2002 NEI, but negligible emissions reported in 2008 TRI
(d) Scrubber installed Dec 2009 that reduced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

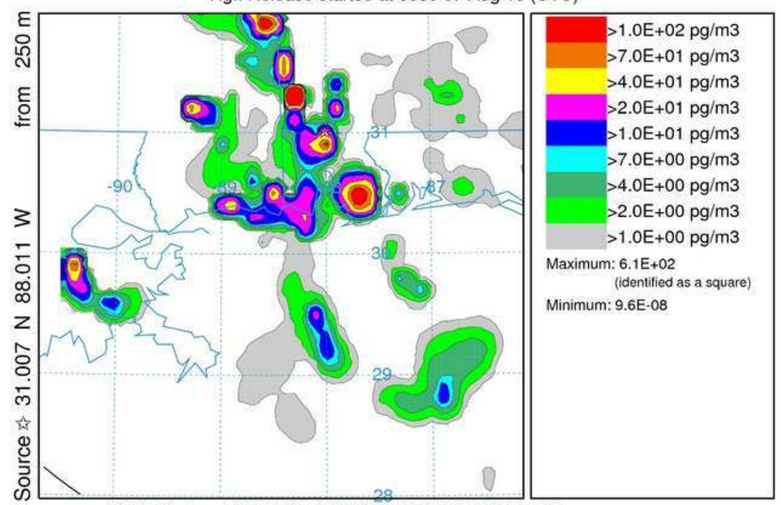
Location of the Grand Bay NERR sampling site, along with large point sources of Reactive Gaseous Mercury in the region, based on the EPA's 2002 National Emissions Inventory

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1300 09 Aug to 1400 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)



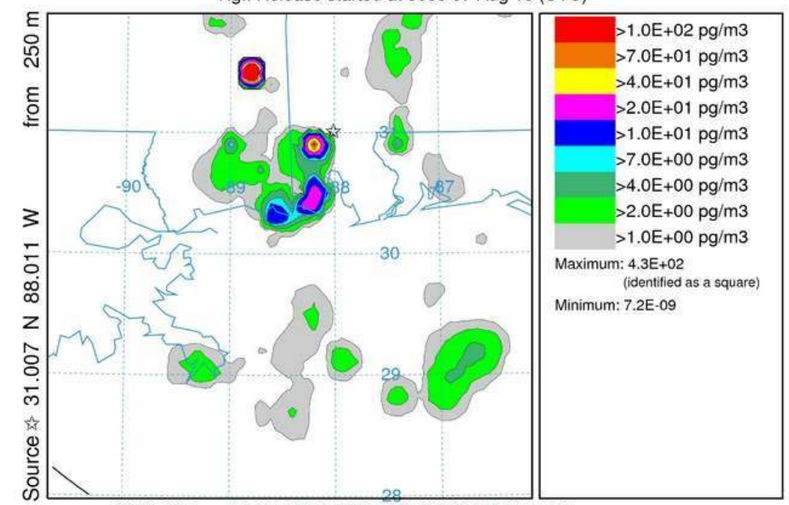
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1300 09 Aug to 1400 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)



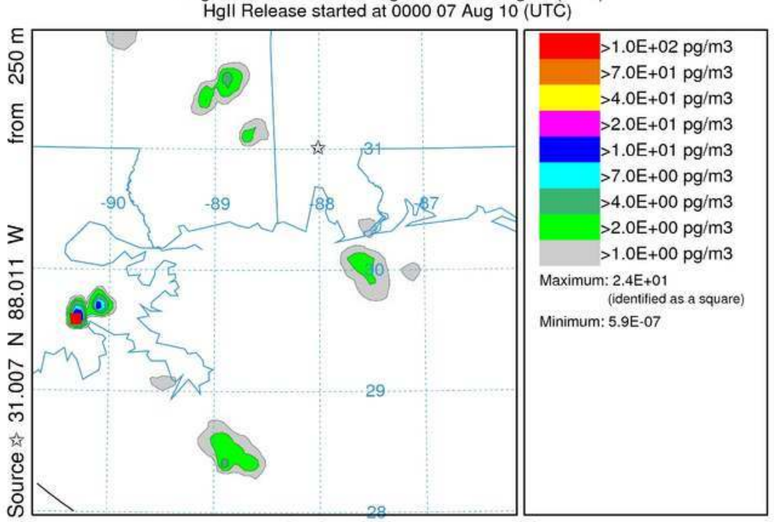
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1300 09 Aug to 1400 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)



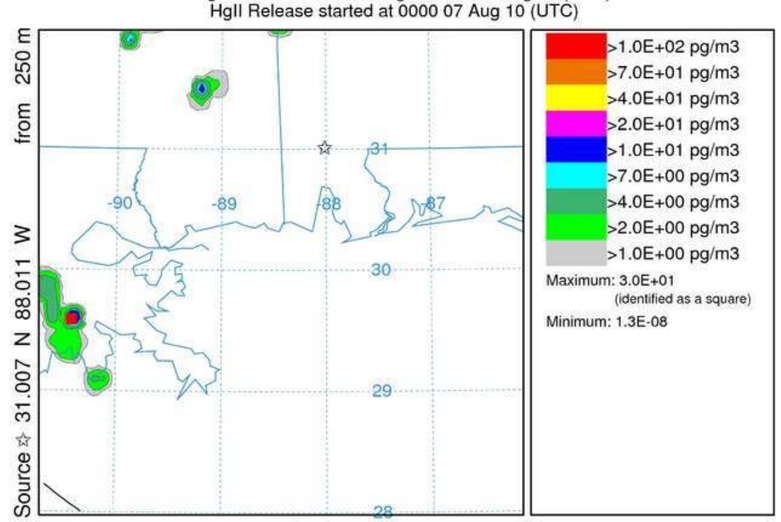
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1300 09 Aug to 1400 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)



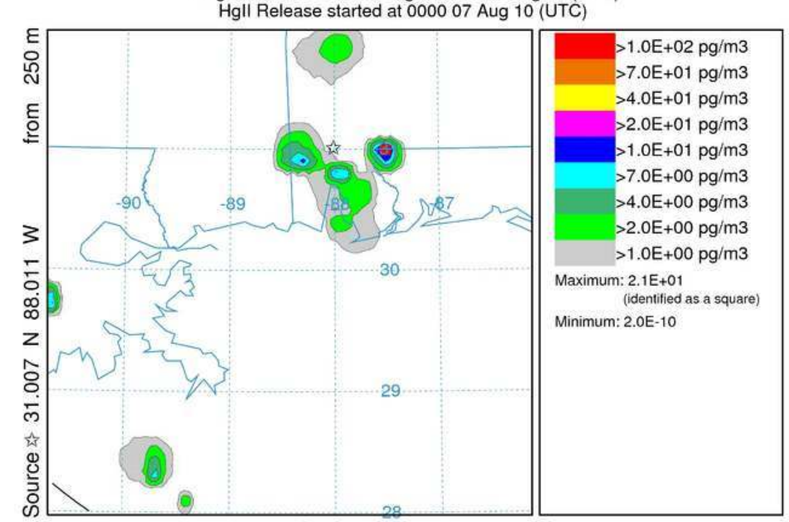
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1300 09 Aug to 1400 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)

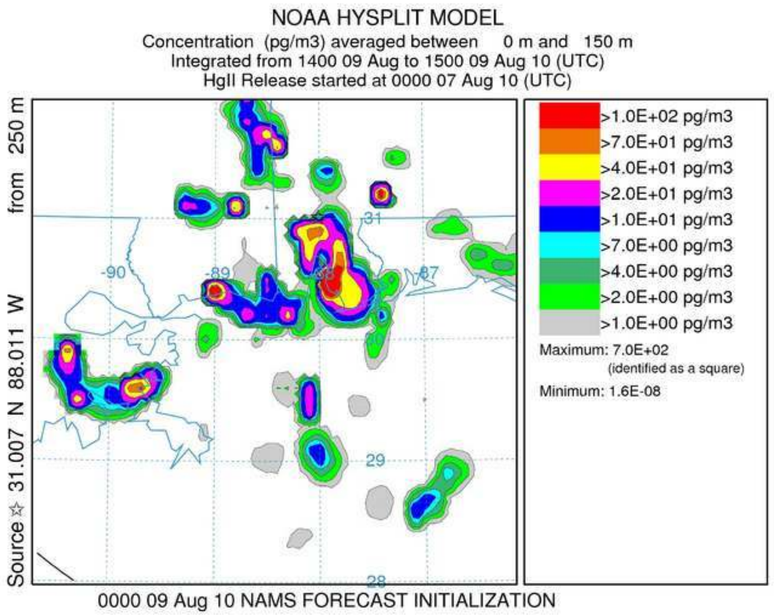


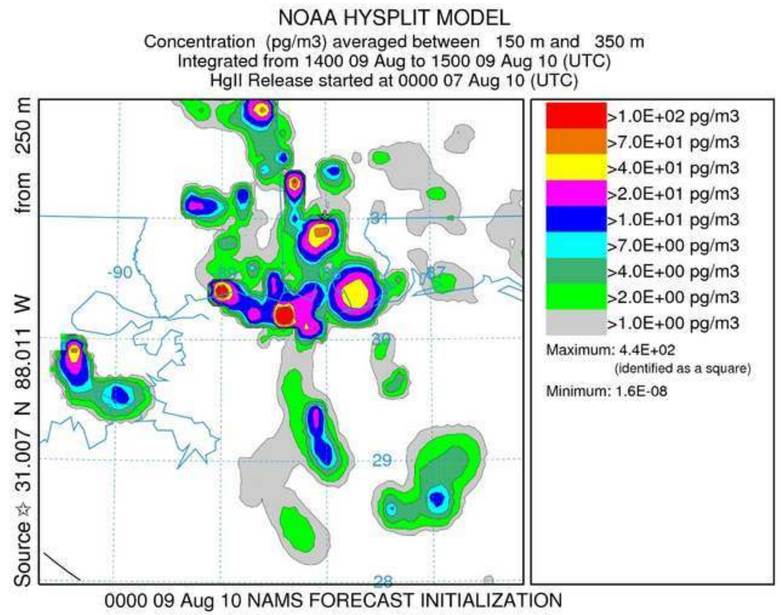
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

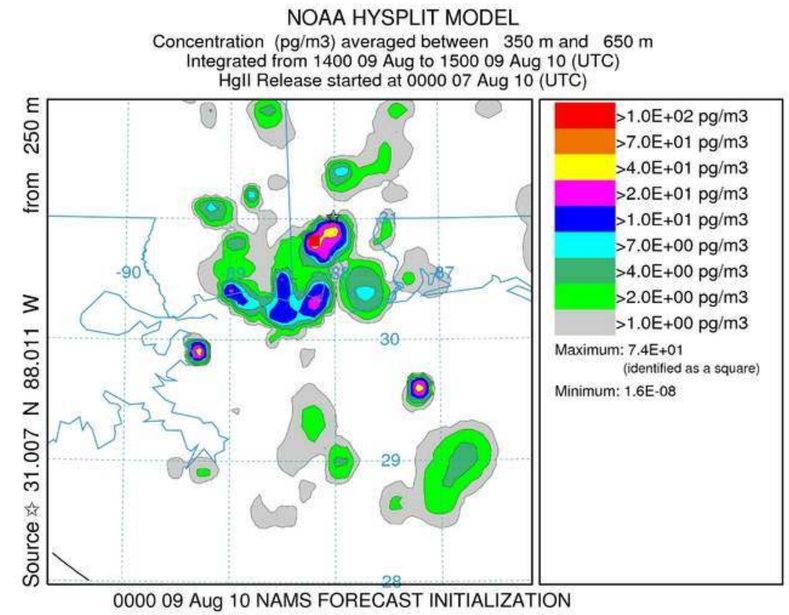
NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1300 09 Aug to 1400 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)

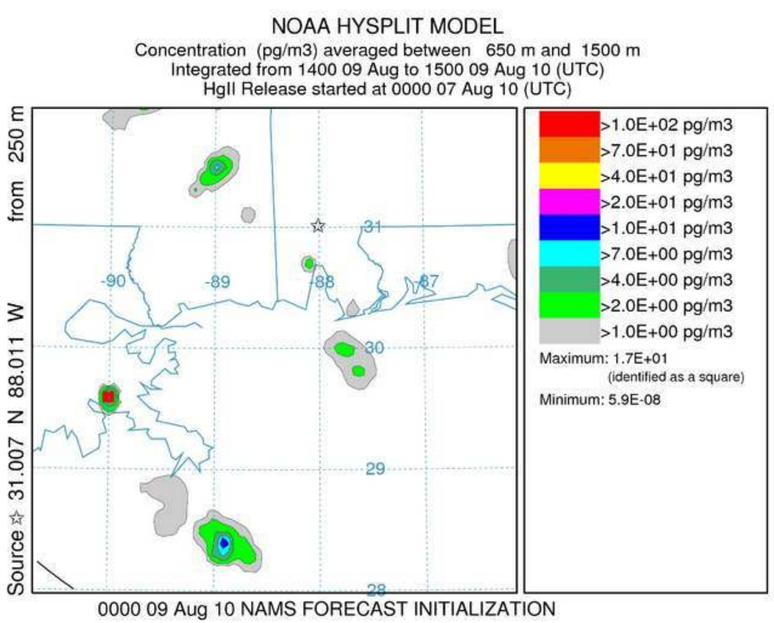


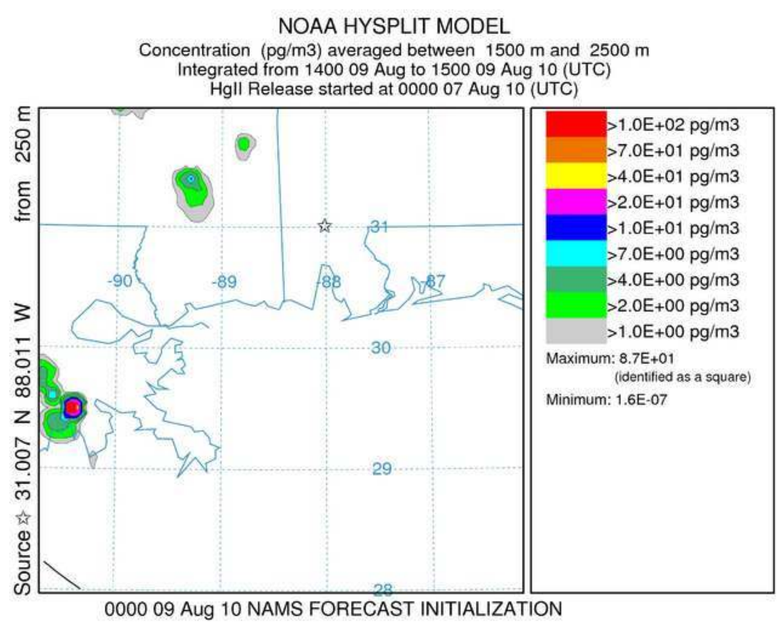
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

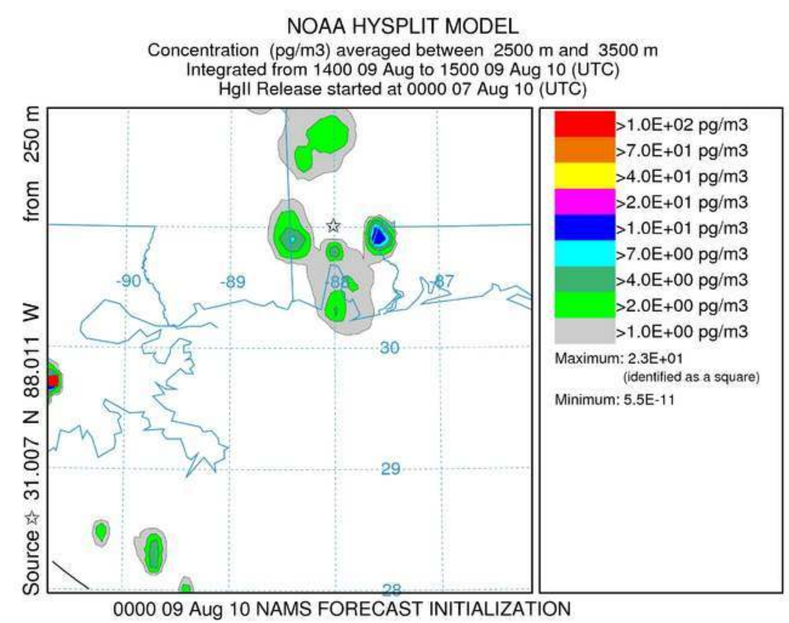

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1400 09 Aug to 1500 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 7.0E+02
(identified as a square)
Minimum: 1.6E-08
0000 09 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1400 09 Aug to 1500 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.4E+02
(identified as a square)
Minimum: 1.6E-08
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

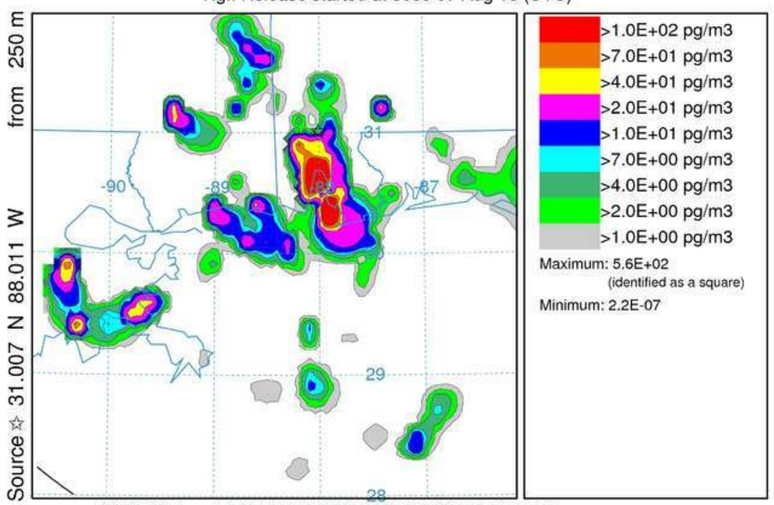

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1400 09 Aug to 1500 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 7.4E+01
(identified as a square)
Minimum: 1.6E-08
0000 09 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1400 09 Aug to 1500 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.7E+01
(identified as a square)
Minimum: 5.9E-08
0000 09 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1400 09 Aug to 1500 09 Aug 10 (UTC)
HgII Release started at 0000 07 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: 8.7E+01
(identified as a square)
Minimum: 1.6E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

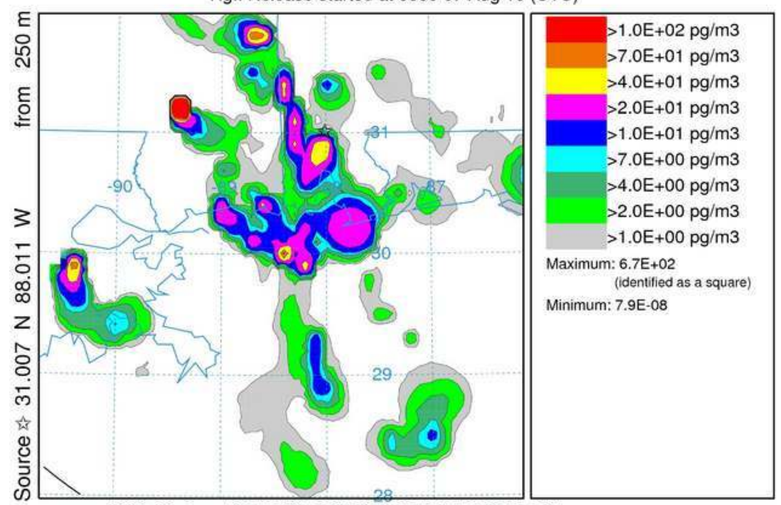

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1400 09 Aug to 1500 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.3E+01
(identified as a square)
Minimum: 5.5E-11
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1500 09 Aug to 1600 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)



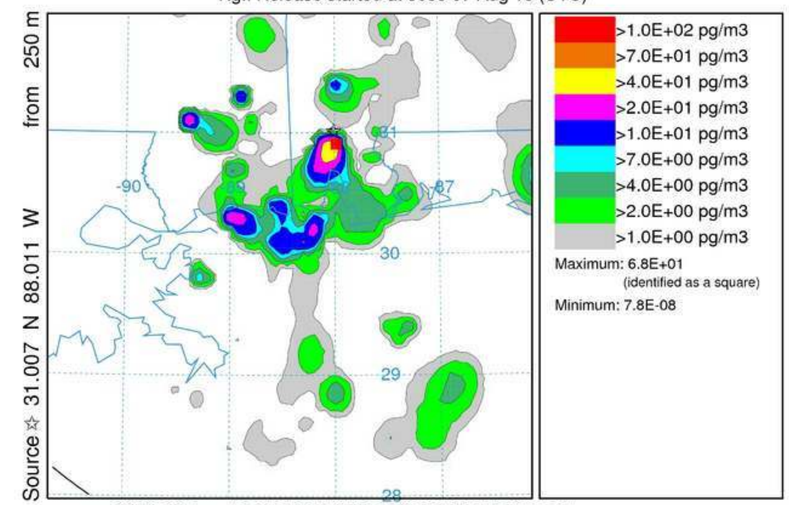
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1500 09 Aug to 1600 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)



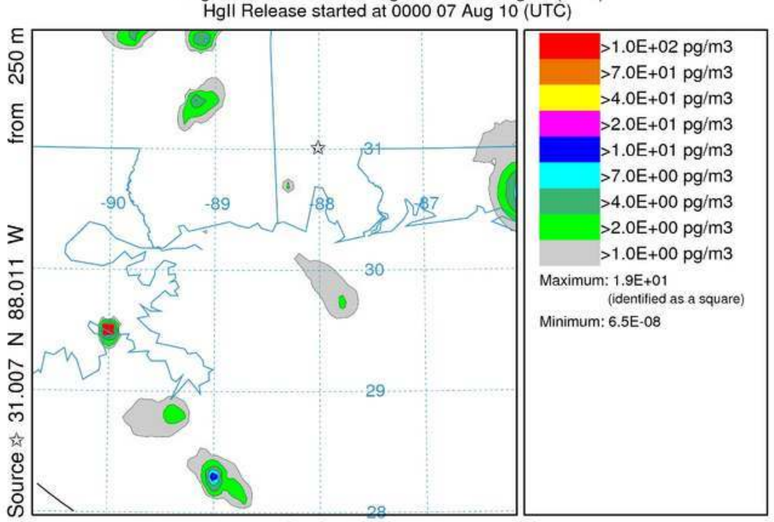
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1500 09 Aug to 1600 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)



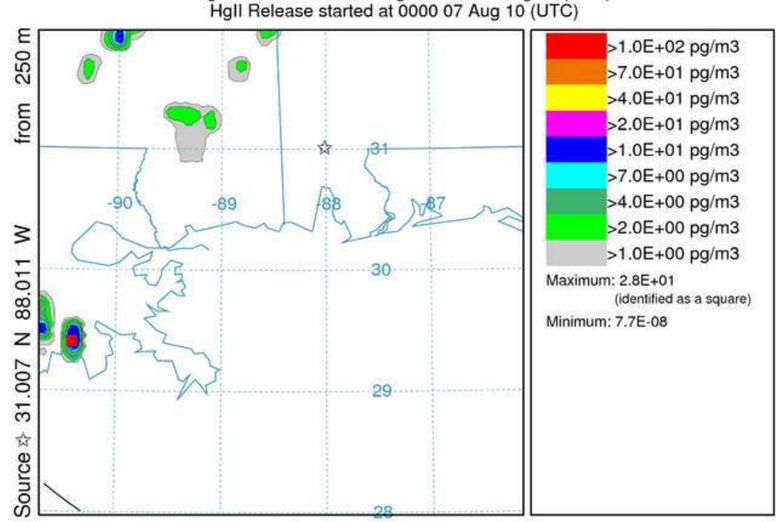
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1500 09 Aug to 1600 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)



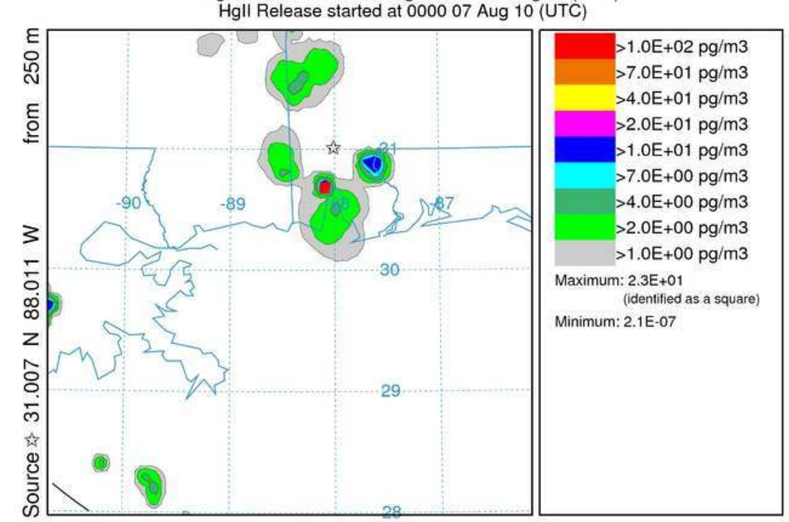
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1500 09 Aug to 1600 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)

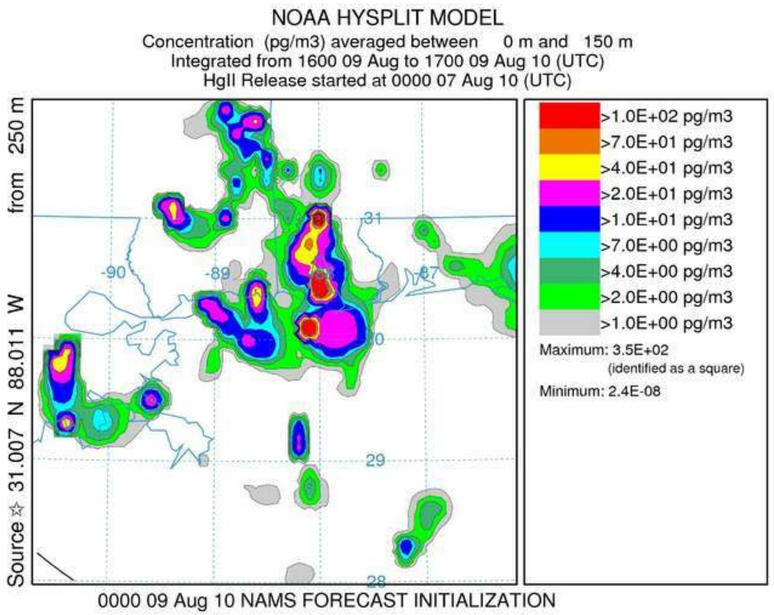


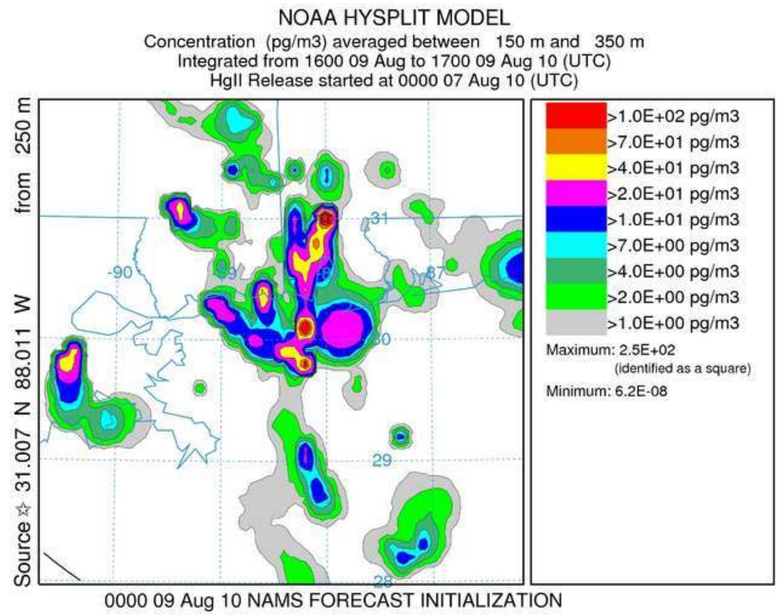
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

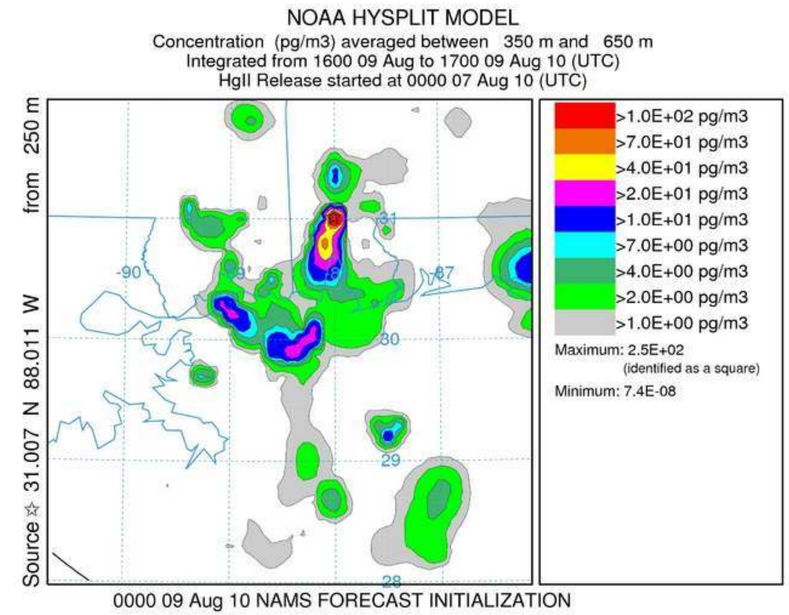
NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1500 09 Aug to 1600 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)

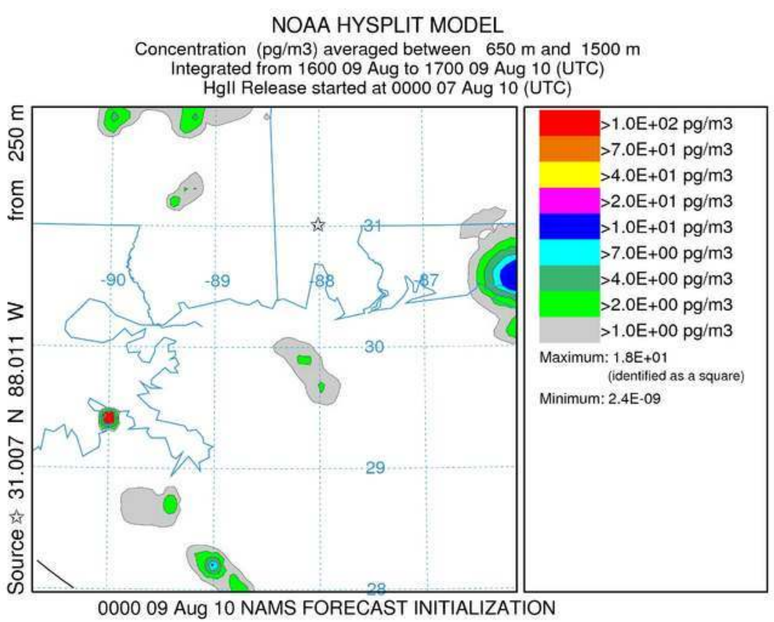


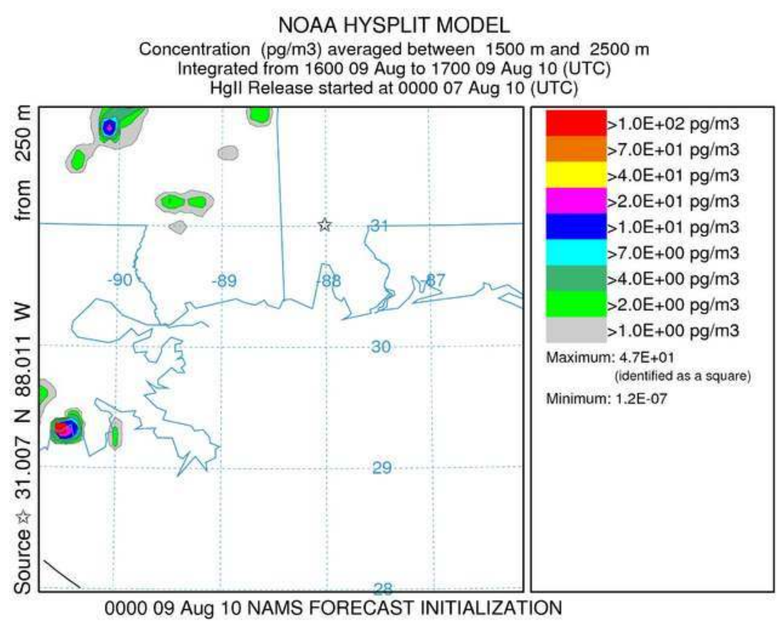
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

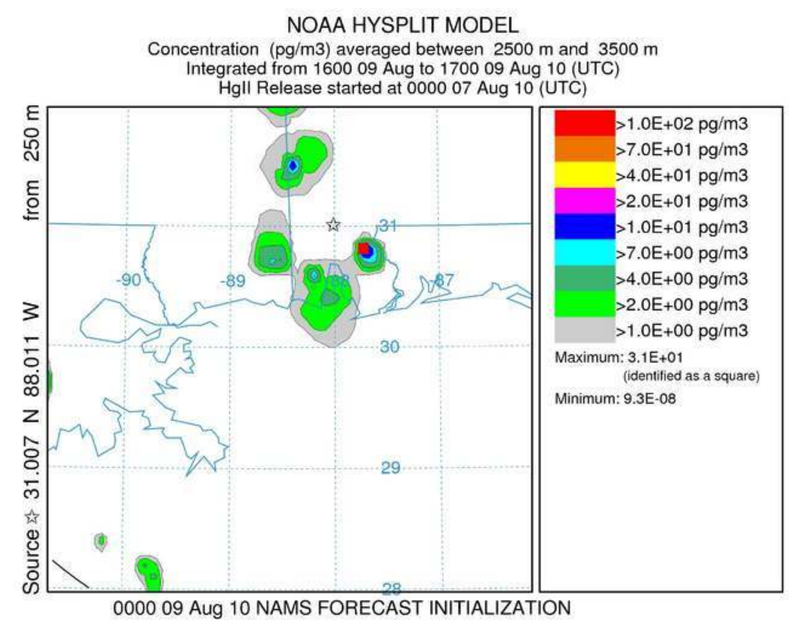

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1600 09 Aug to 1700 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.5E+02
(identified as a square)
Minimum: 2.4E-08
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

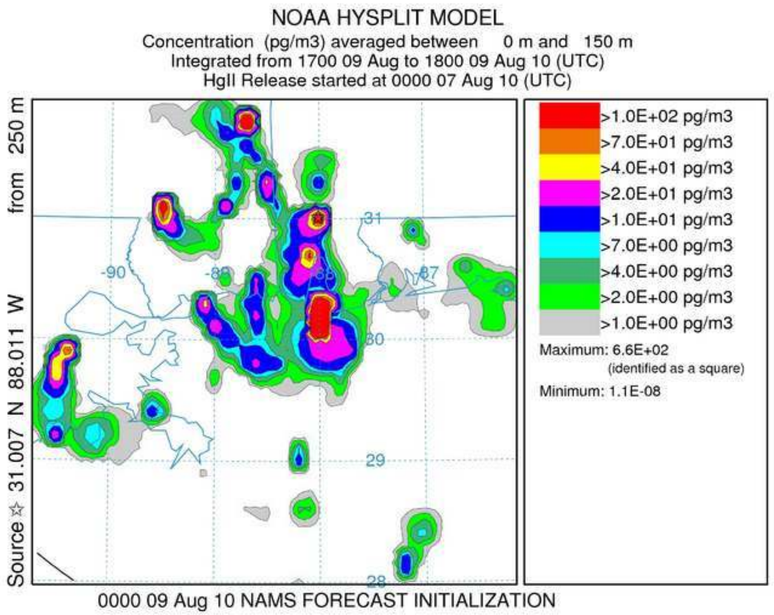

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1600 09 Aug to 1700 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.5E+02
(identified as a square)
Minimum: 6.2E-08
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

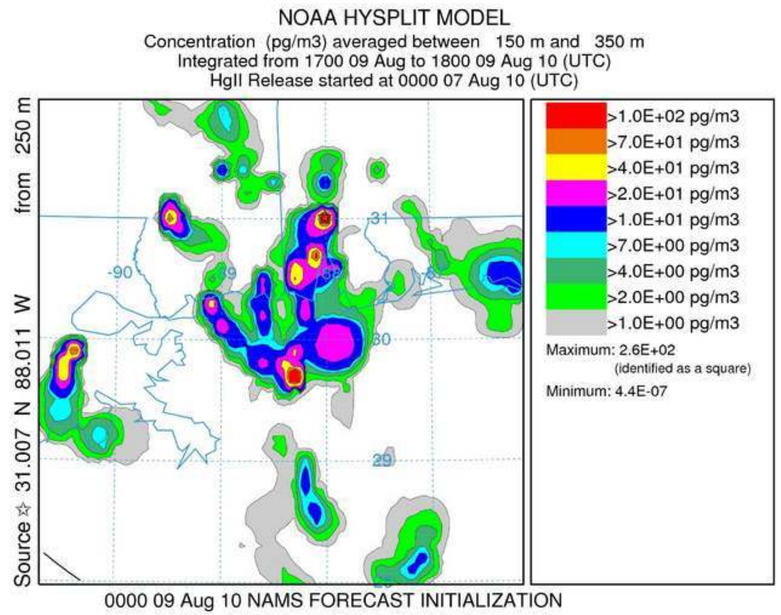

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1600 09 Aug to 1700 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.5E+02
(identified as a square)
Minimum: 7.4E-08
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

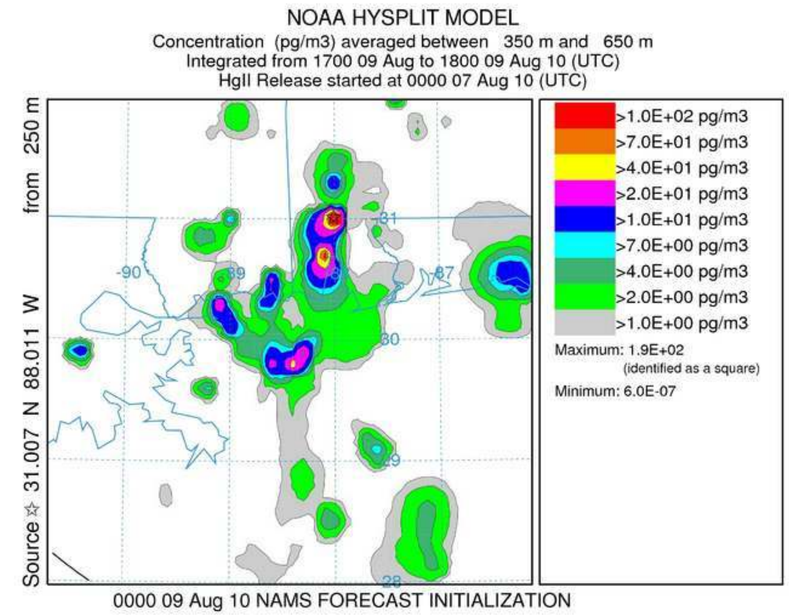

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1600 09 Aug to 1700 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.8E+01
(identified as a square)
Minimum: 2.4E-09
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

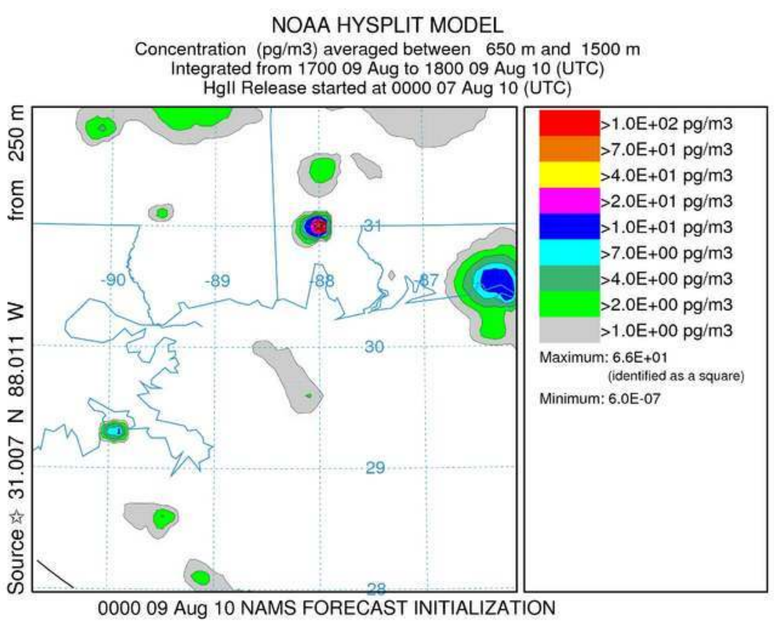

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1600 09 Aug to 1700 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.7E+01
(identified as a square)
Minimum: 1.2E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

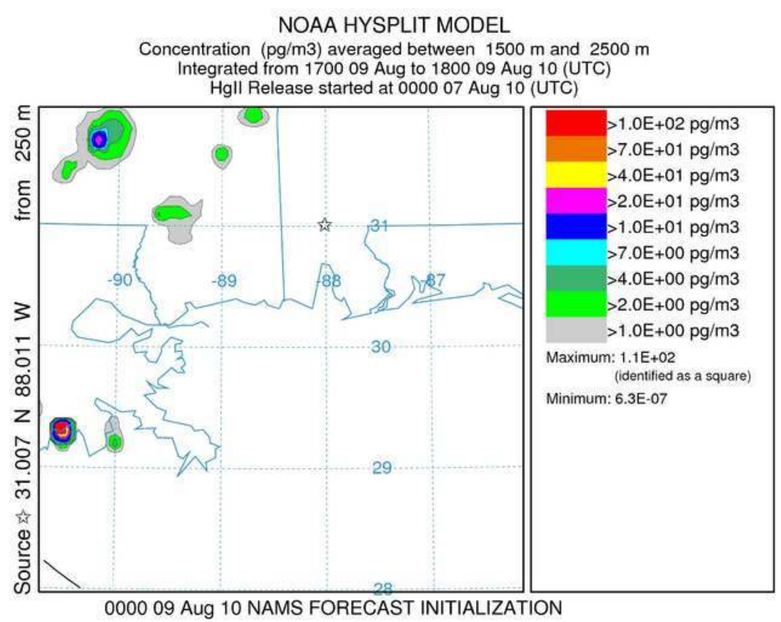

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1600 09 Aug to 1700 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.1E+01
(identified as a square)
Minimum: 9.3E-08
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

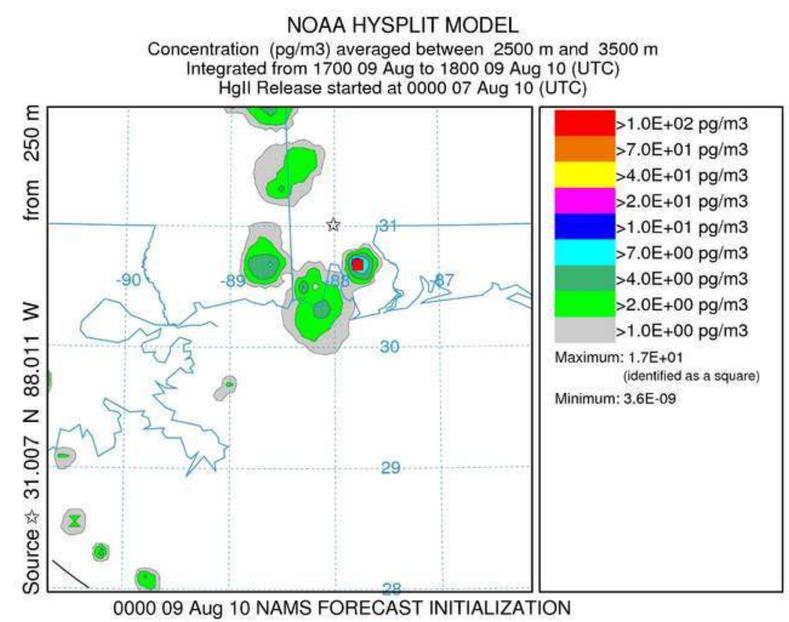

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1700 09 Aug to 1800 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 6.6E+02
(identified as a square)
Minimum: 1.1E-08
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

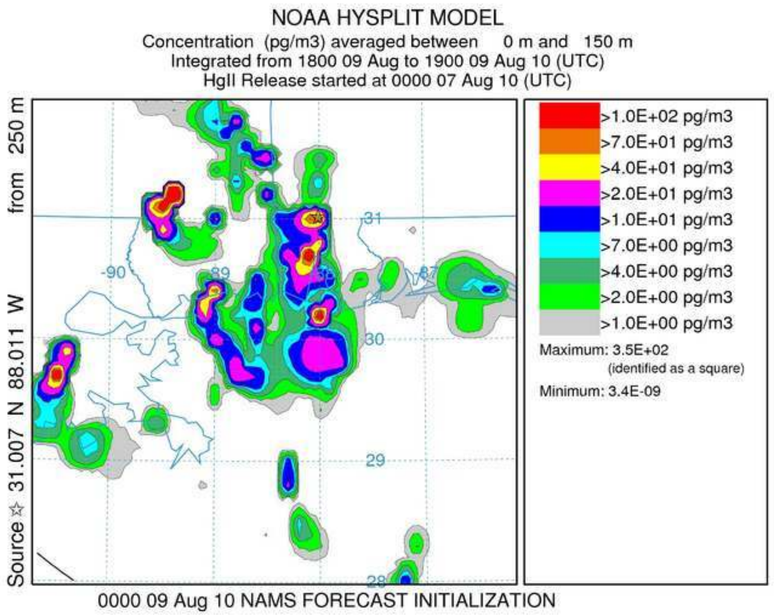

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1700 09 Aug to 1800 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.6E+02
(identified as a square)
Minimum: 4.4E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

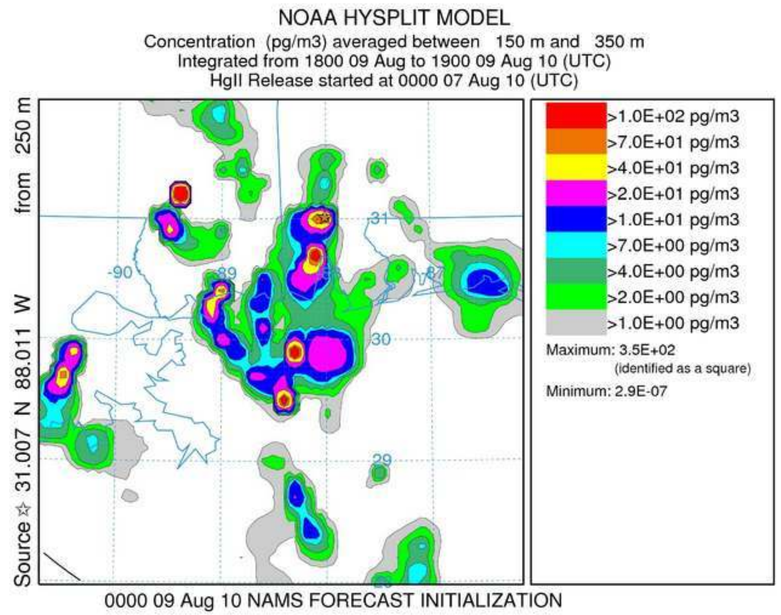

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1700 09 Aug to 1800 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.9E+02
(identified as a square)
Minimum: 6.0E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

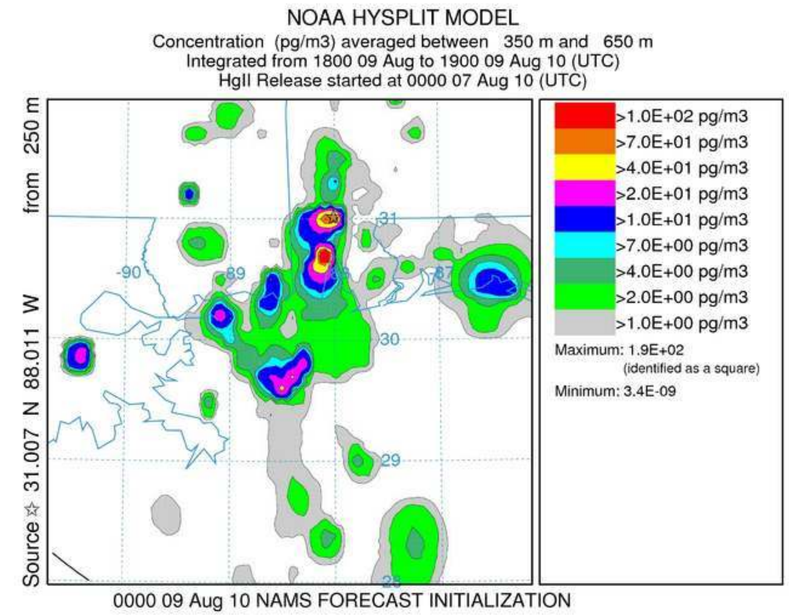

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1700 09 Aug to 1800 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 6.6E+01
(identified as a square)
Minimum: 6.0E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

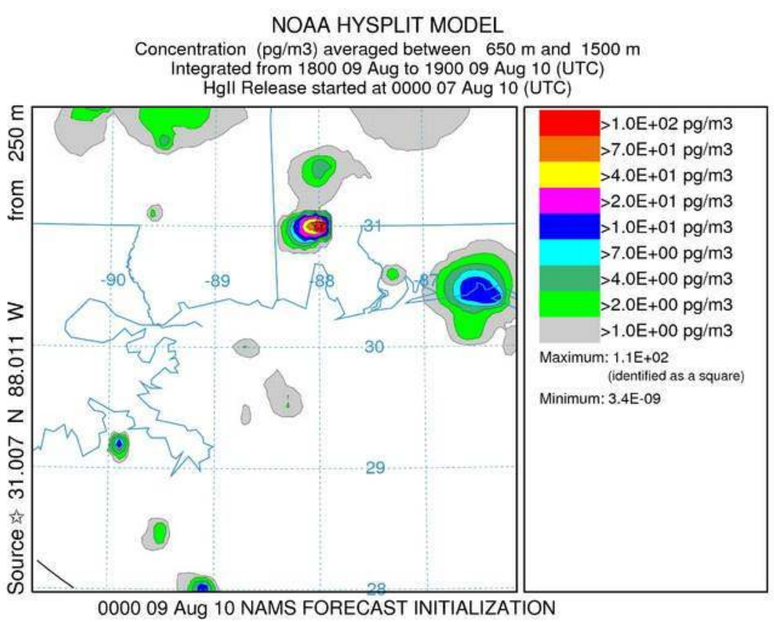

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1700 09 Aug to 1800 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.1E+02
(identified as a square)
Minimum: 6.3E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

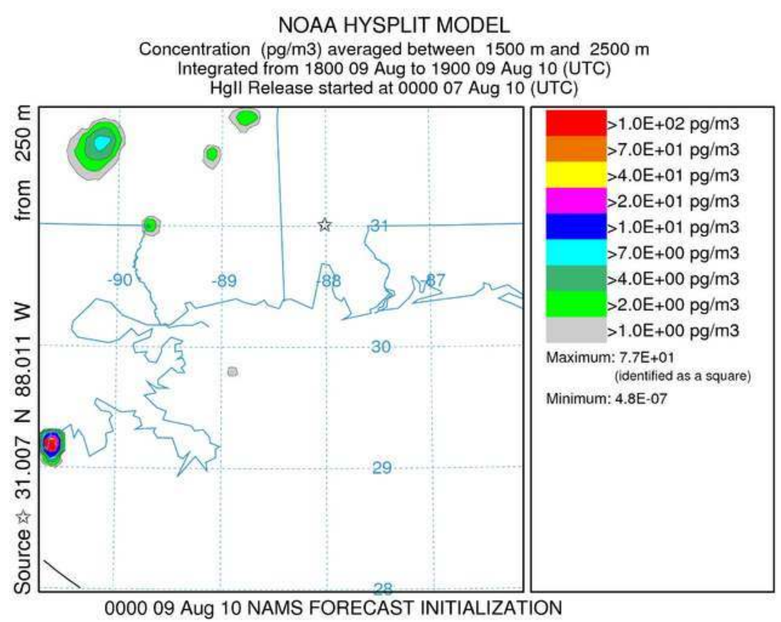

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1700 09 Aug to 1800 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.7E+01
(identified as a square)
Minimum: 3.6E-09
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

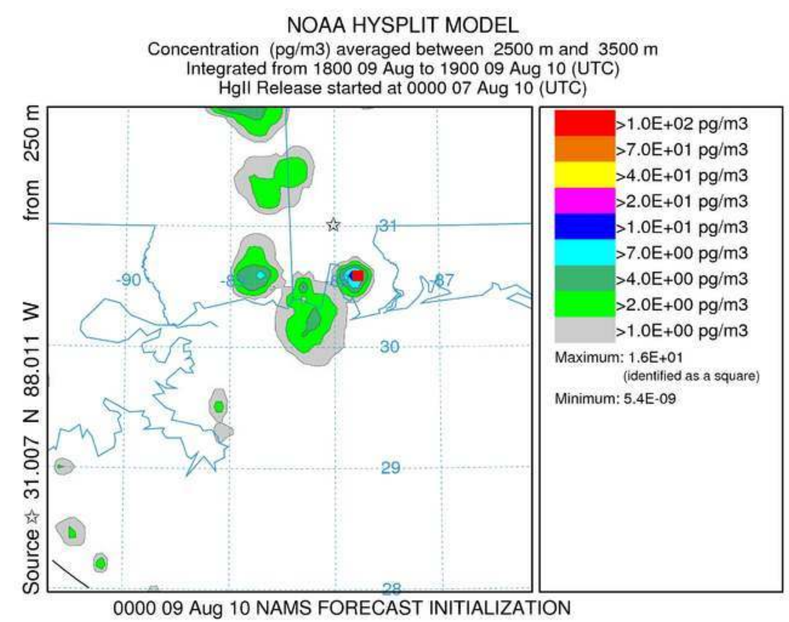

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1800 09 Aug to 1900 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.5E+02
(identified as a square)
Minimum: 3.4E-09
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

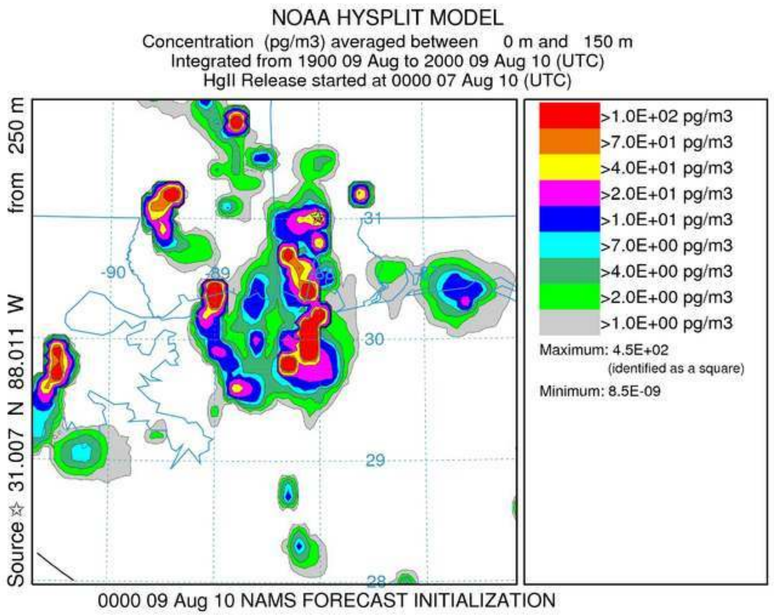

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1800 09 Aug to 1900 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.5E+02
(identified as a square)
Minimum: 2.9E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

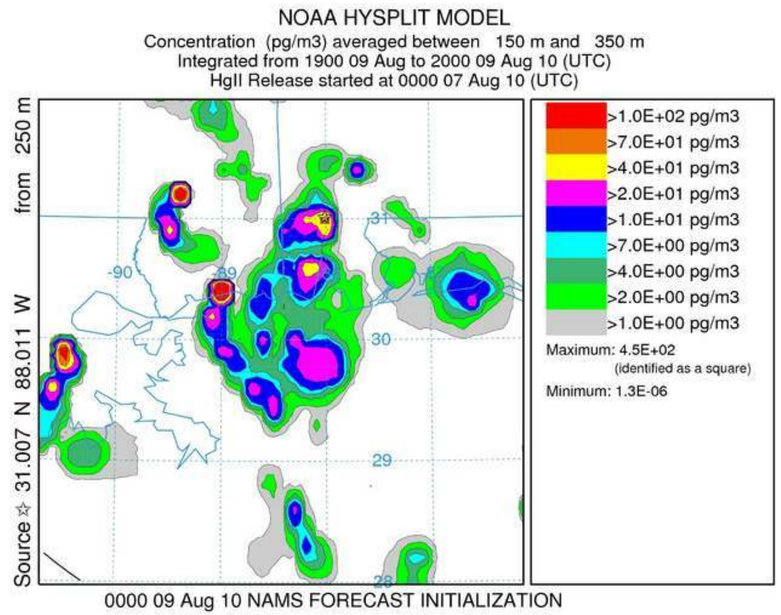

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1800 09 Aug to 1900 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.9E+02
(identified as a square)
Minimum: 3.4E-09
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

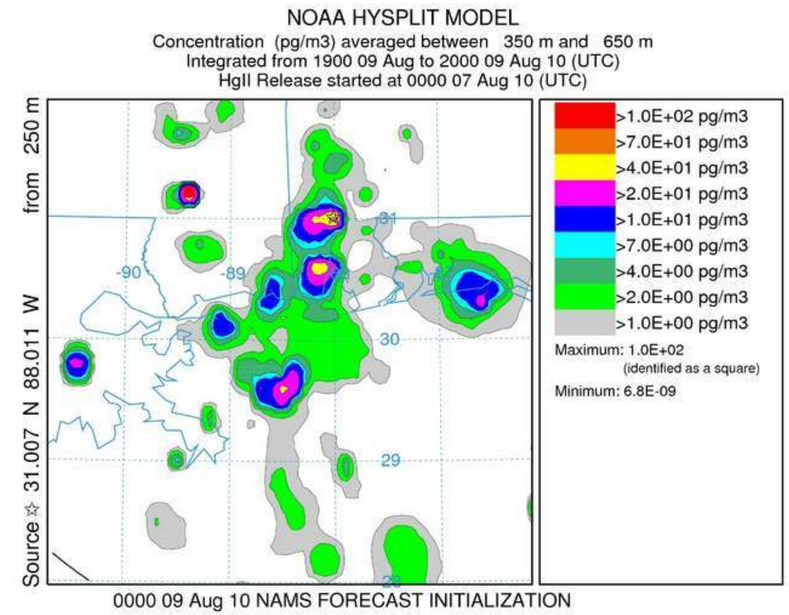

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1800 09 Aug to 1900 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.1E+02
(identified as a square)
Minimum: 3.4E-09
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

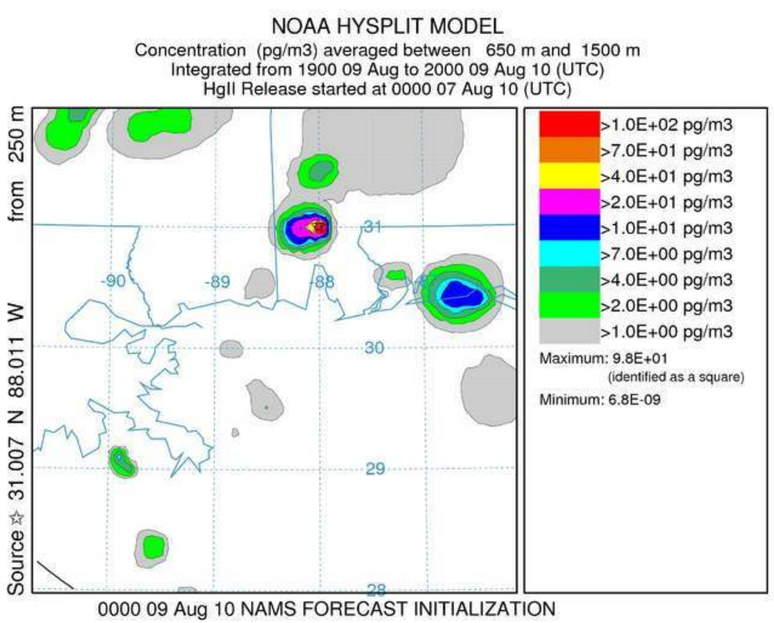

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1800 09 Aug to 1900 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 7.7E+01
(identified as a square)
Minimum: 4.8E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

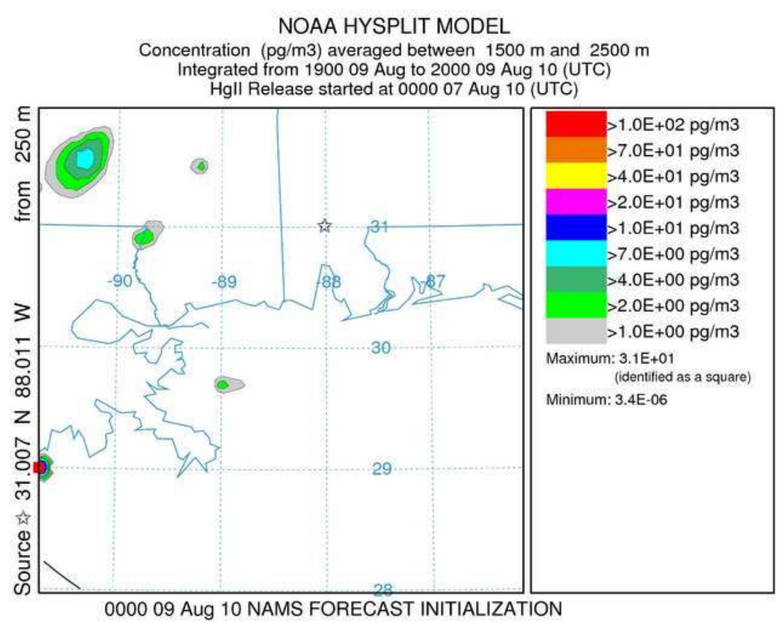

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1800 09 Aug to 1900 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.6E+01
(identified as a square)
Minimum: 5.4E-09
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

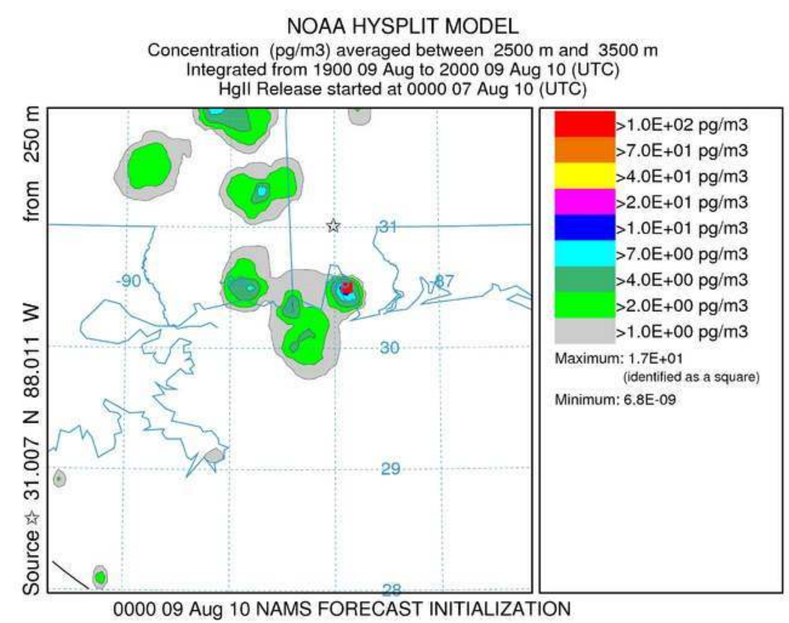

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 1900 09 Aug to 2000 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.5E+02
(identified as a square)
Minimum: 8.5E-09
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

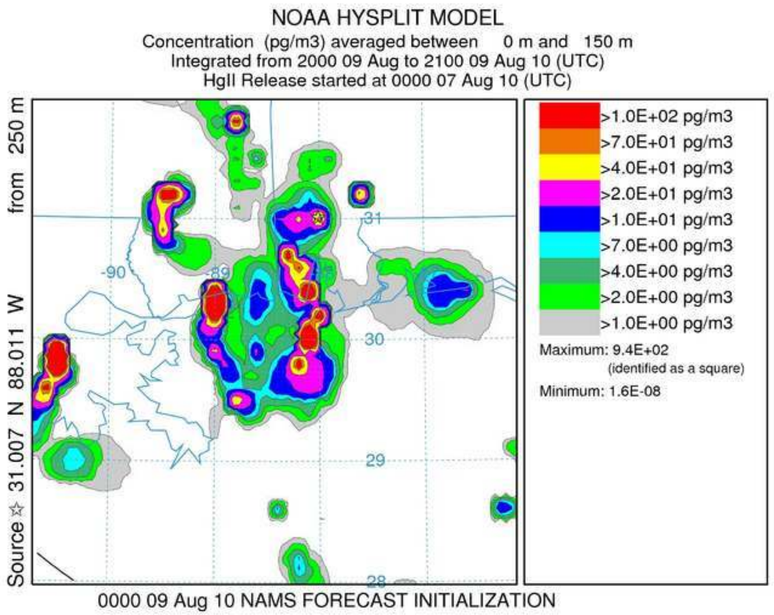

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 1900 09 Aug to 2000 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.5E+02
(identified as a square)
Minimum: 1.3E-06
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

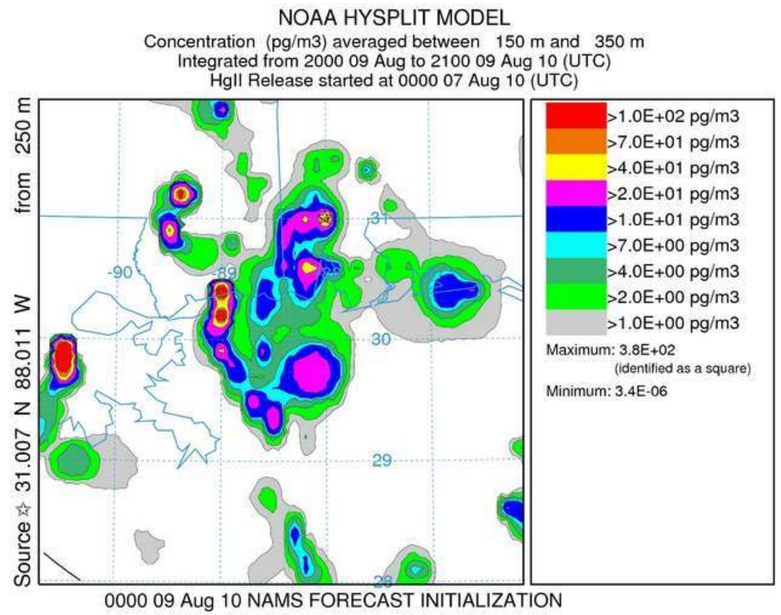

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 1900 09 Aug to 2000 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.0E+02
(identified as a square)
Minimum: 6.8E-09
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

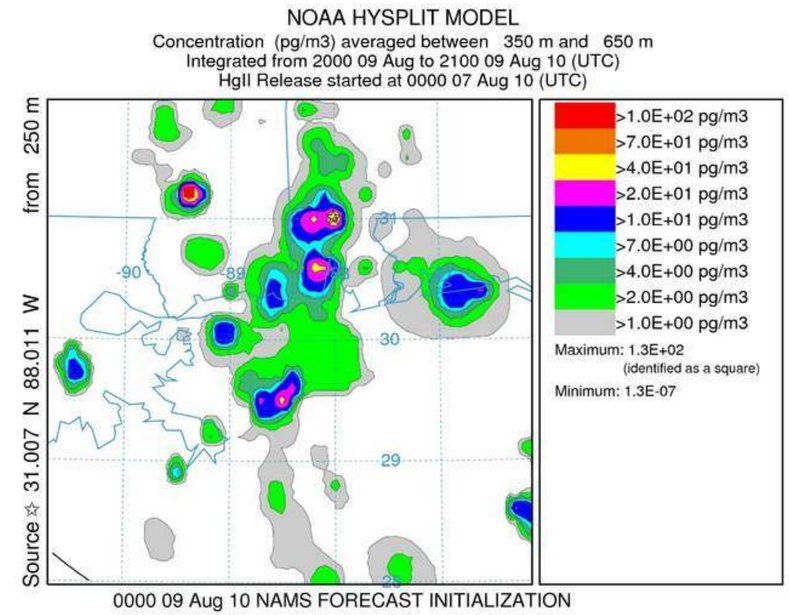

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 1900 09 Aug to 2000 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 9.8E+01
(identified as a square)
Minimum: 6.8E-09
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

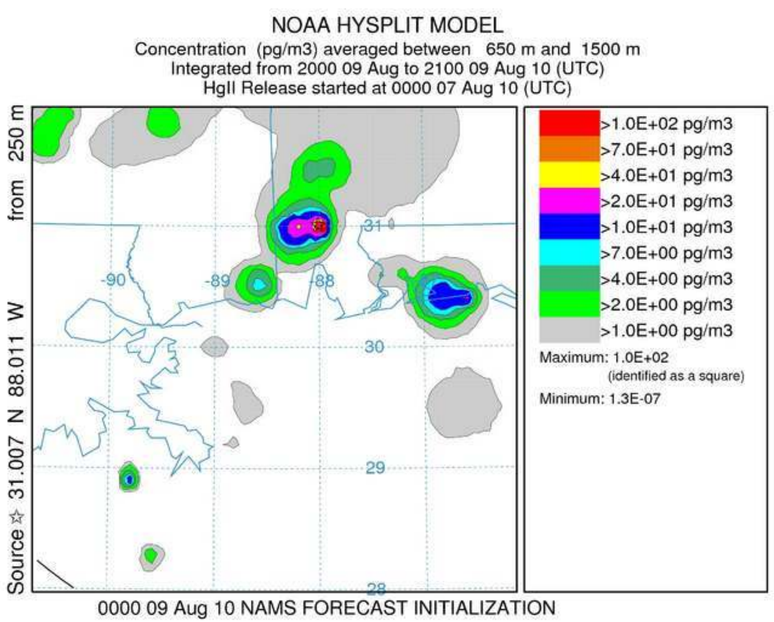

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 1900 09 Aug to 2000 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.1E+01
(identified as a square)
Minimum: 3.4E-06
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

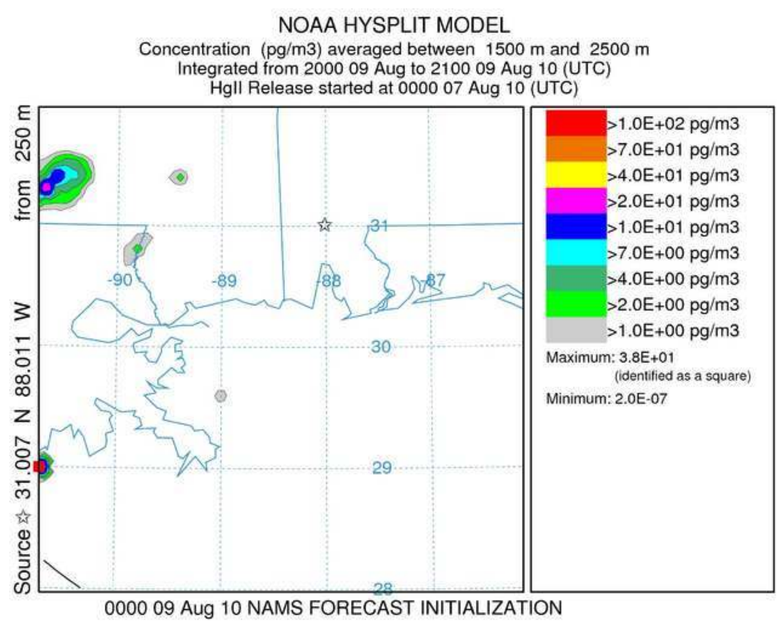

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 1900 09 Aug to 2000 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.7E+01
(identified as a square)
Minimum: 6.8E-09
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

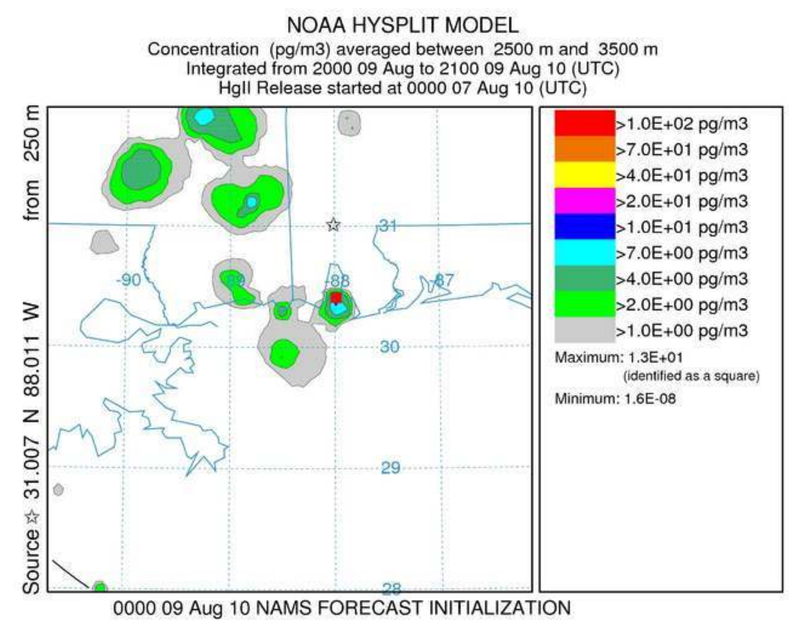

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 2000 09 Aug to 2100 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 9.4E+02
(identified as a square)
Minimum: 1.6E-08
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

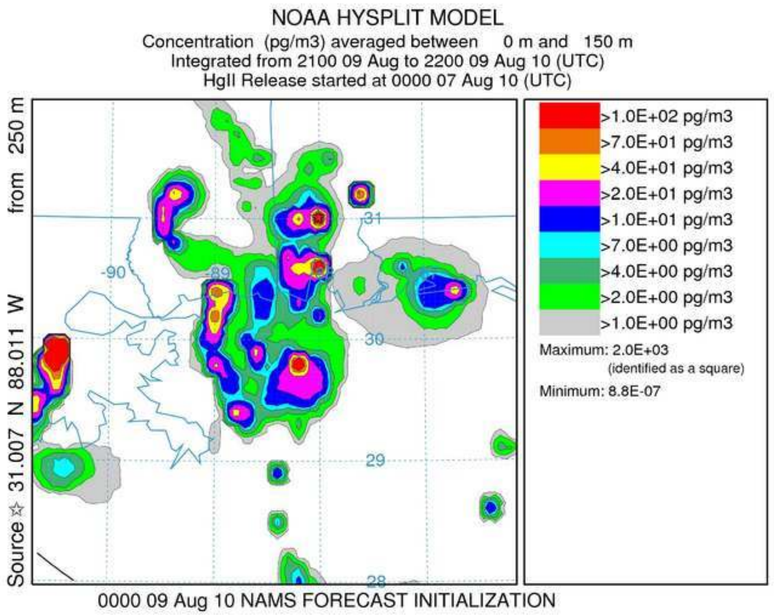

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 2000 09 Aug to 2100 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.8E+02
(identified as a square)
Minimum: 3.4E-06
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

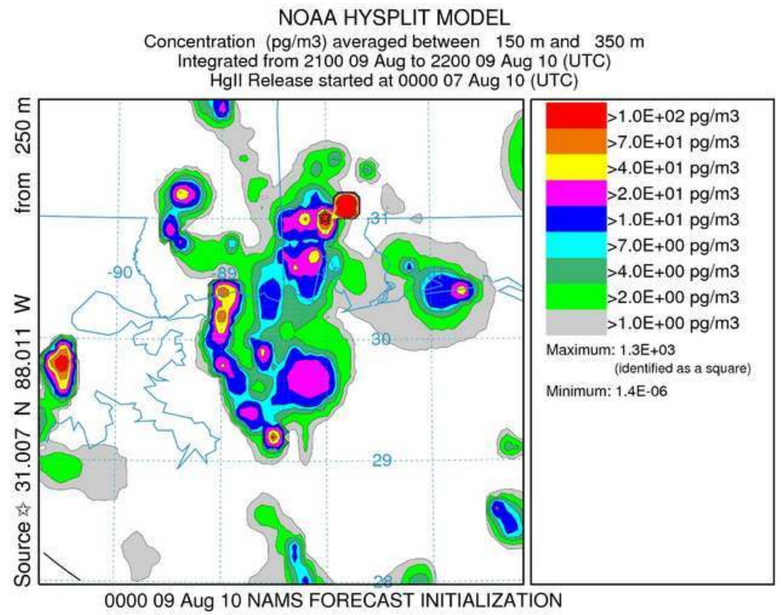

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 2000 09 Aug to 2100 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.3E+02
(identified as a square)
Minimum: 1.3E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

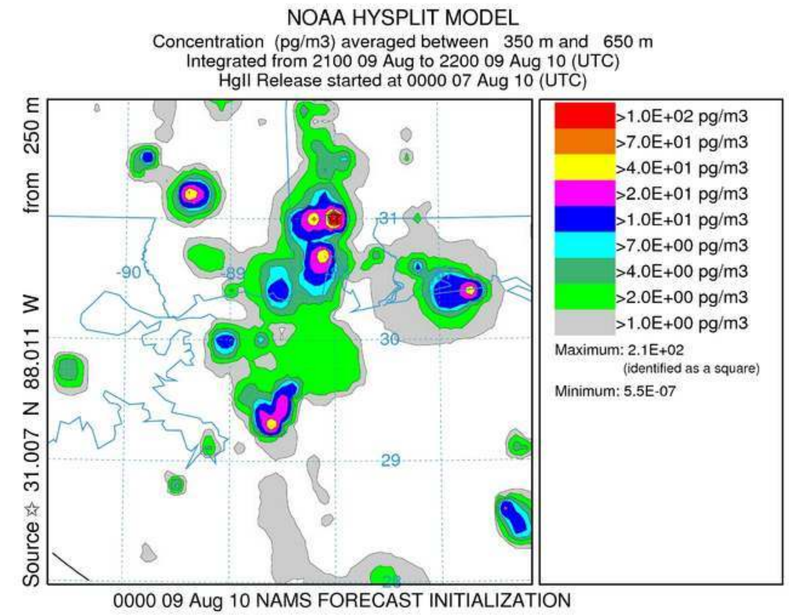

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 2000 09 Aug to 2100 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.0E+02
(identified as a square)
Minimum: 1.3E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

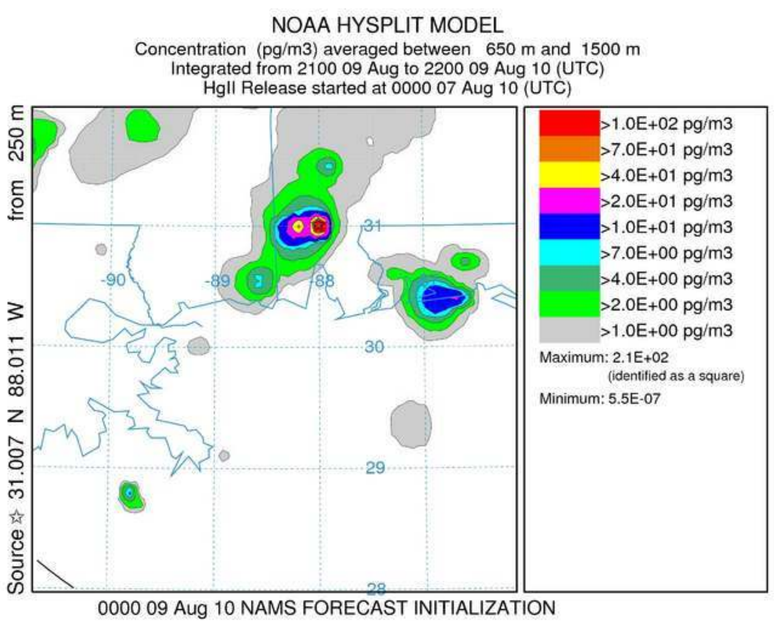

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 2000 09 Aug to 2100 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 3.8E+01
(identified as a square)
Minimum: 2.0E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

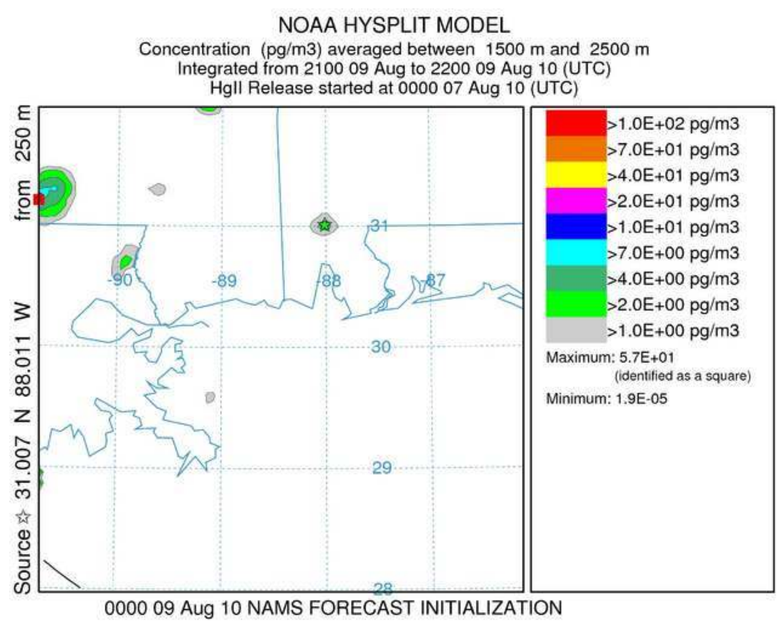

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 2000 09 Aug to 2100 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.3E+01
(identified as a square)
Minimum: 1.6E-08
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

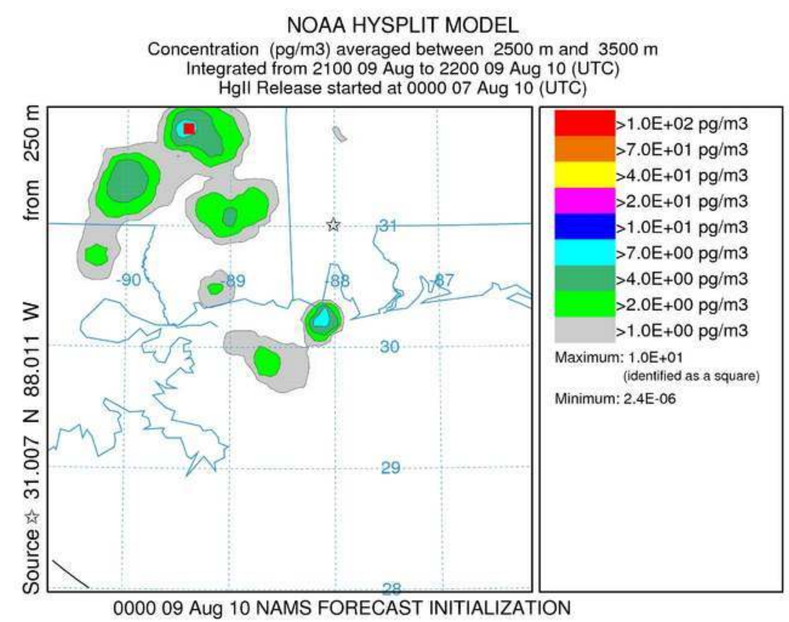

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 2100 09 Aug to 2200 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.0E+03
(identified as a square)
Minimum: 8.8E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

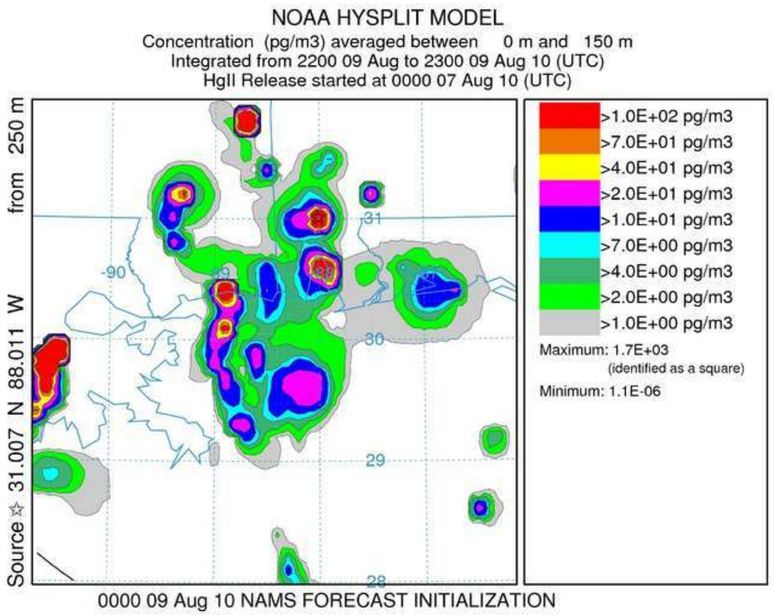

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 2100 09 Aug to 2200 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.3E+03
(identified as a square)
Minimum: 1.4E-06
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

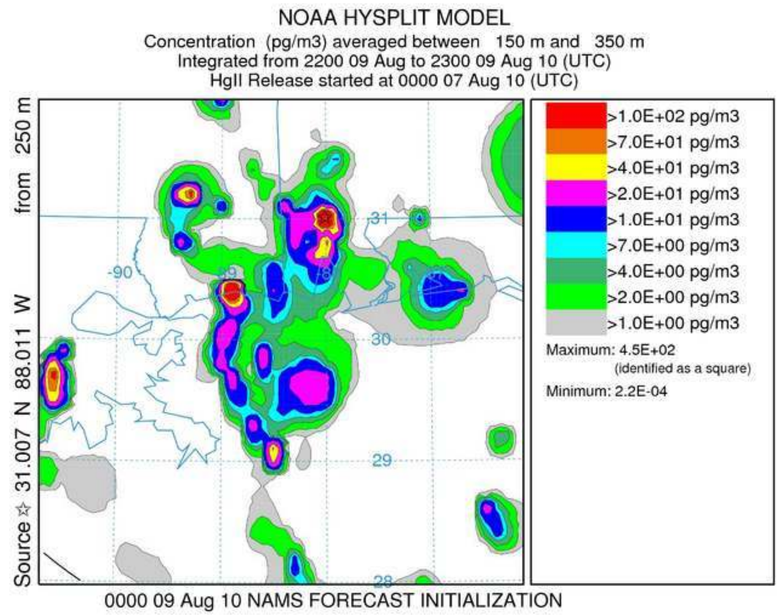

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 2100 09 Aug to 2200 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.1E+02
(identified as a square)
Minimum: 5.5E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

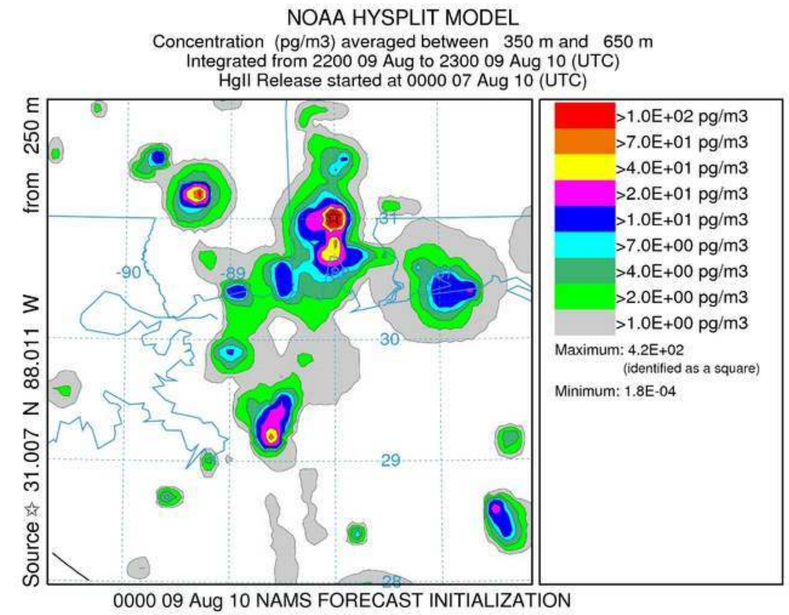

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 2100 09 Aug to 2200 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.1E+02
(identified as a square)
Minimum: 5.5E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

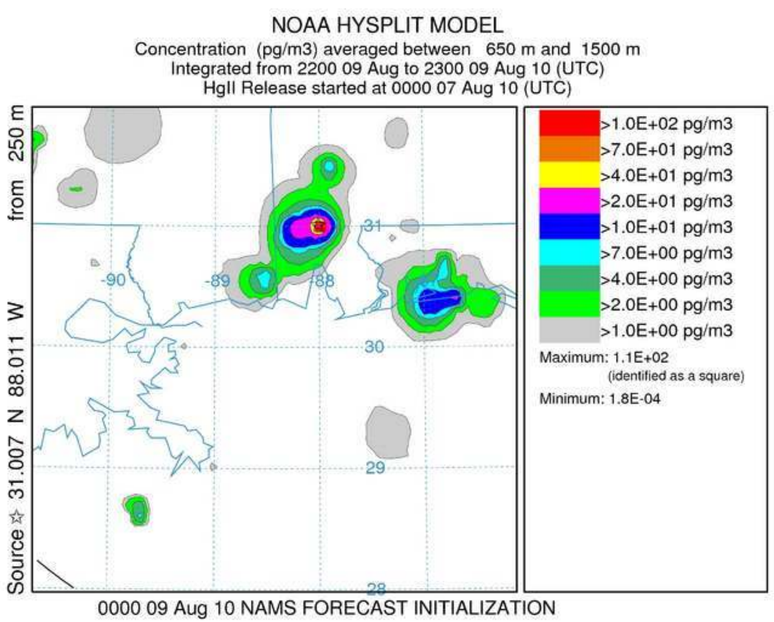

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 2100 09 Aug to 2200 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 5.7E+01
(identified as a square)
Minimum: 1.9E-05
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

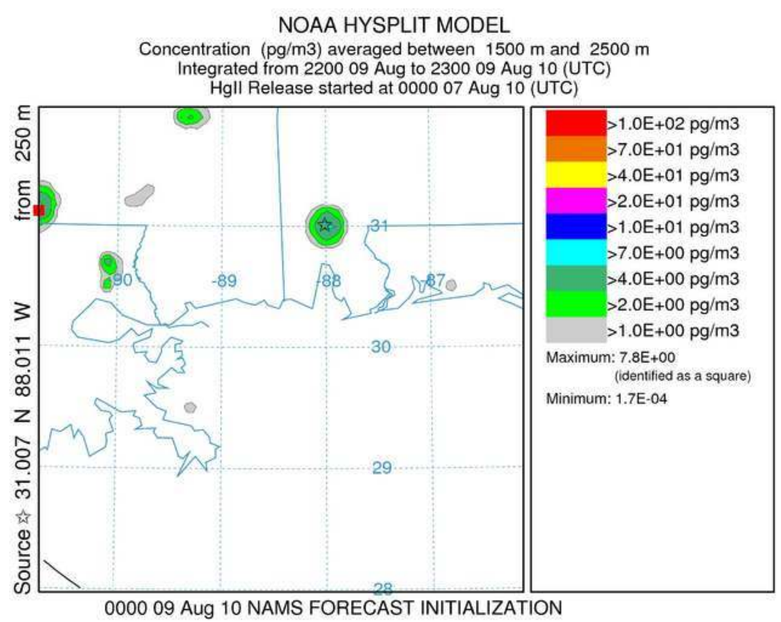

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 2100 09 Aug to 2200 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.0E+01
(identified as a square)
Minimum: 2.4E-06
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

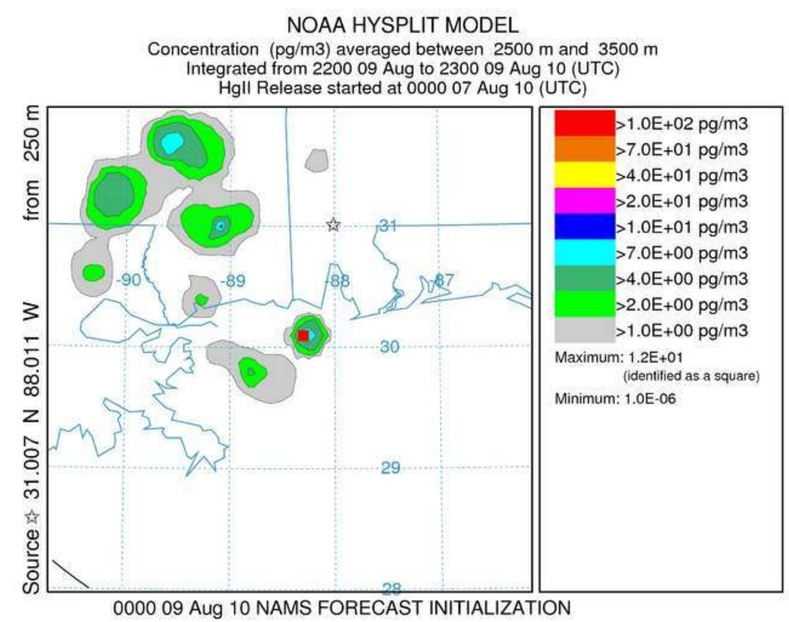

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 2200 09 Aug to 2300 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.7E+03
(identified as a square)
Minimum: 1.1E-06
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

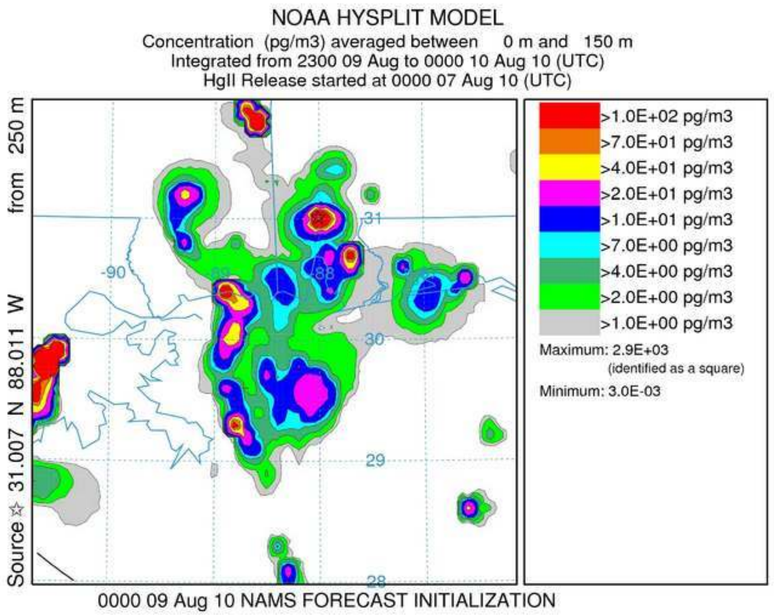

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 2200 09 Aug to 2300 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.5E+02
(identified as a square)
Minimum: 2.2E-04
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

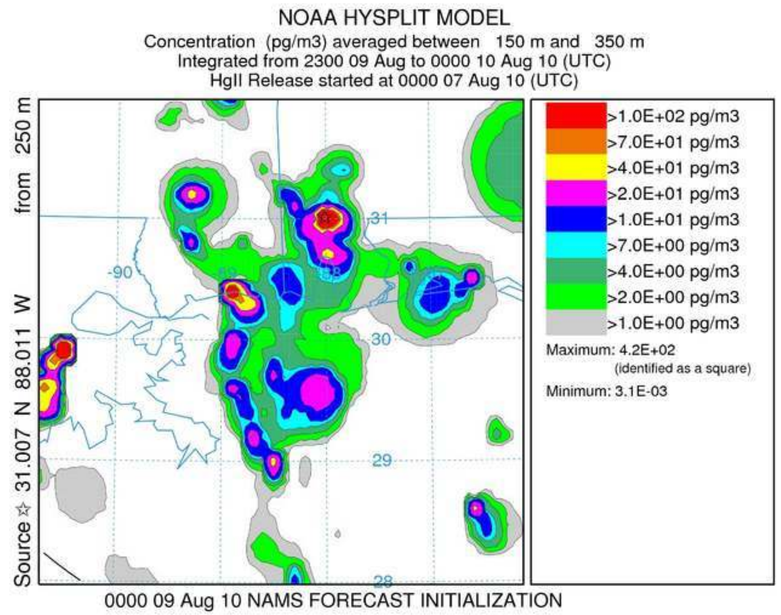

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 2200 09 Aug to 2300 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.2E+02
(identified as a square)
Minimum: 1.8E-04
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

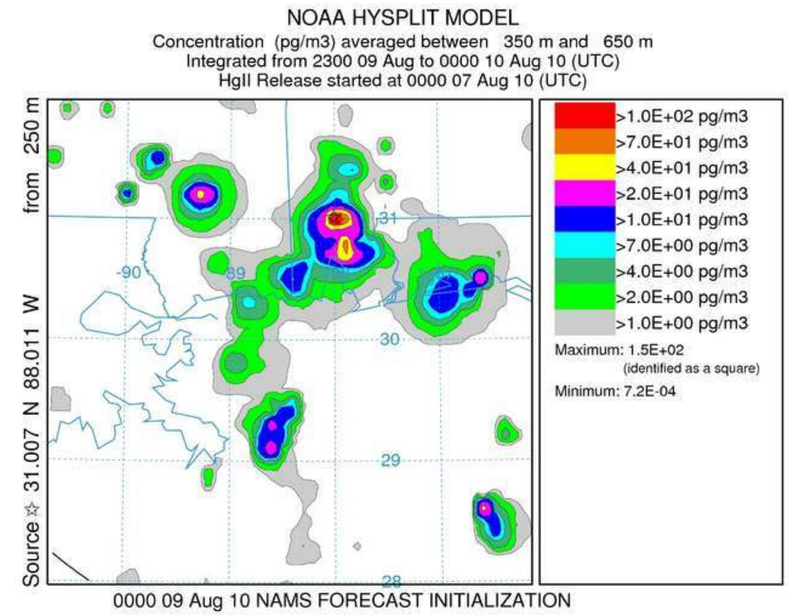

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 2200 09 Aug to 2300 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.1E+02
(identified as a square)
Minimum: 1.8E-04
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

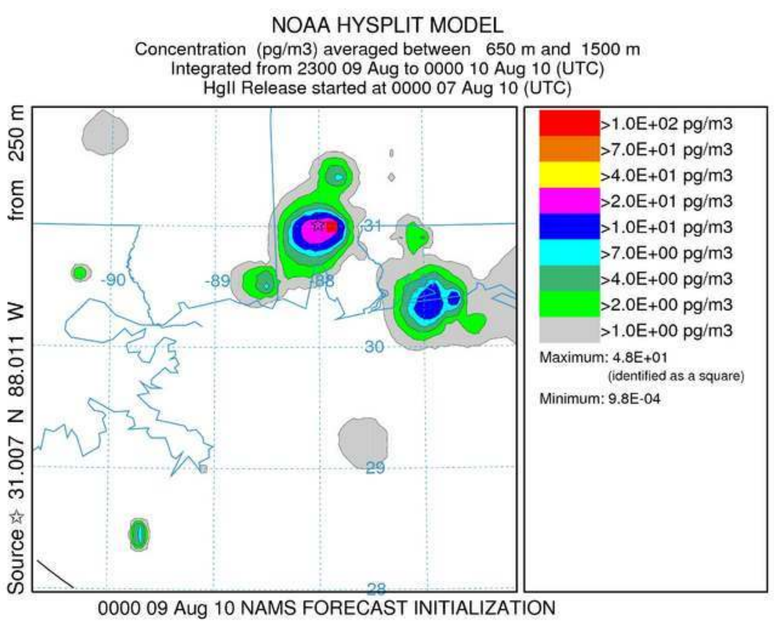

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 2200 09 Aug to 2300 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 7.8E+00
(identified as a square)
Minimum: 1.7E-04
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

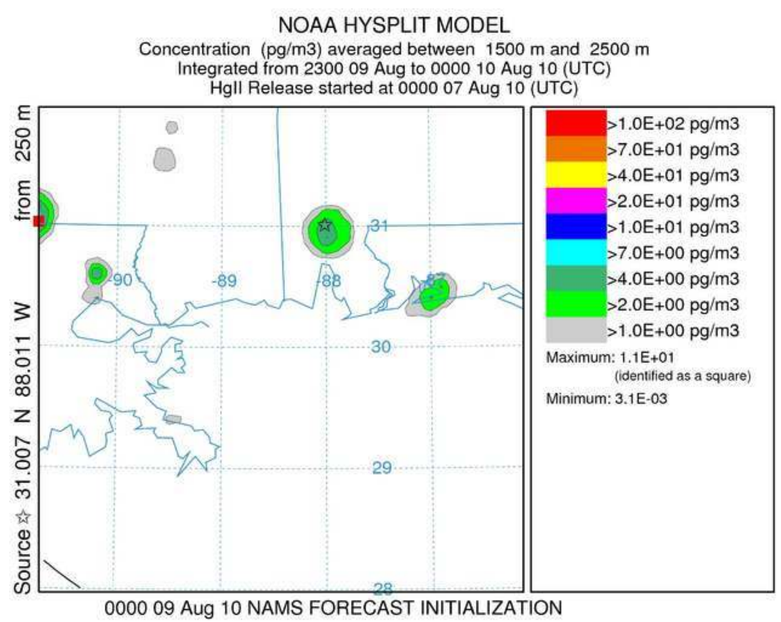

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 2200 09 Aug to 2300 09 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.2E+01
(identified as a square)
Minimum: 1.0E-06
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

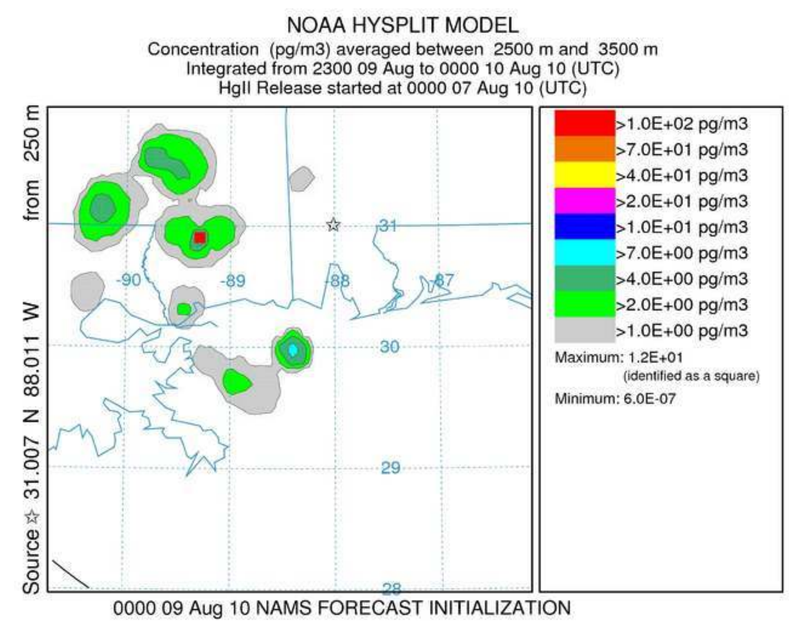

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 2300 09 Aug to 0000 10 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 2.9E+03
(identified as a square)
Minimum: 3.0E-03
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

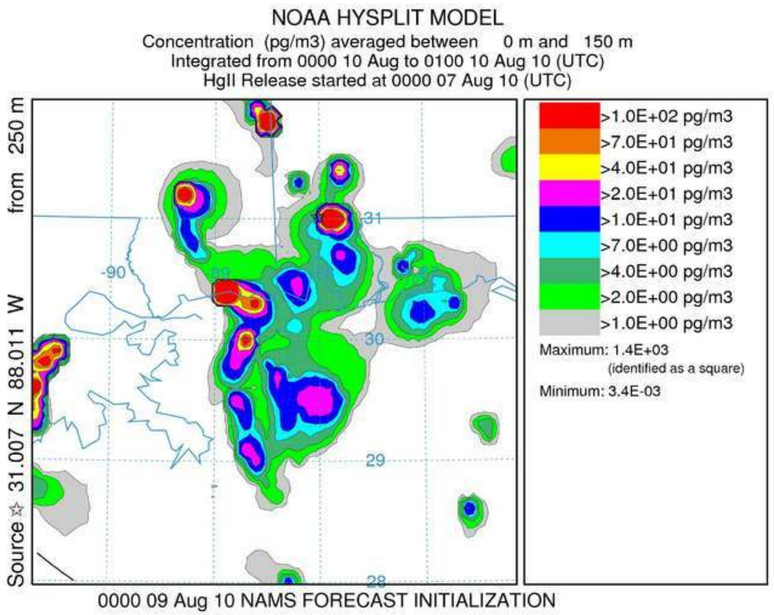

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 2300 09 Aug to 0000 10 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.2E+02
(identified as a square)
Minimum: 3.1E-03
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

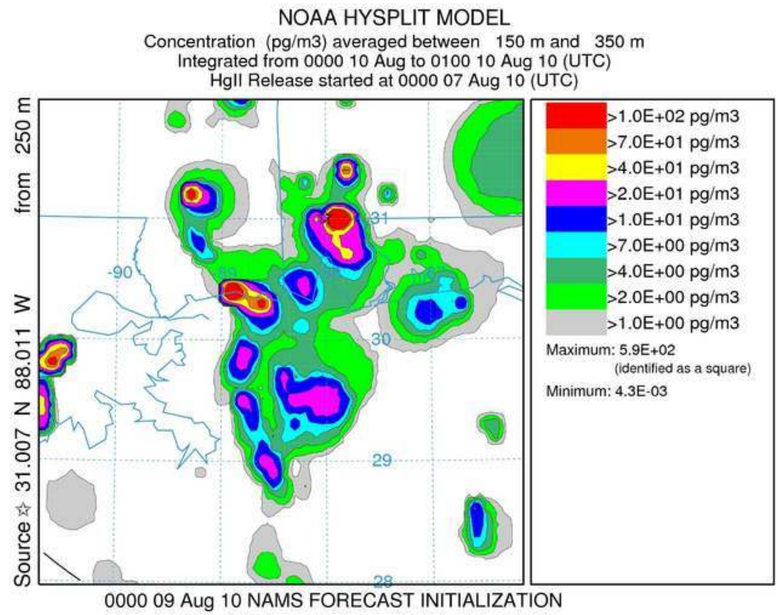

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 2300 09 Aug to 0000 10 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.5E+02
(identified as a square)
Minimum: 7.2E-04
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

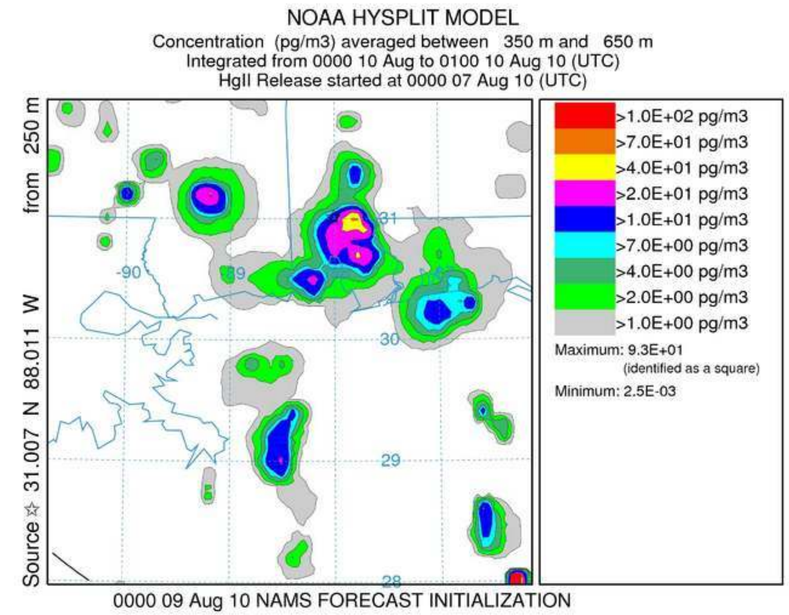

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 2300 09 Aug to 0000 10 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 4.8E+01
(identified as a square)
Minimum: 9.8E-04
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

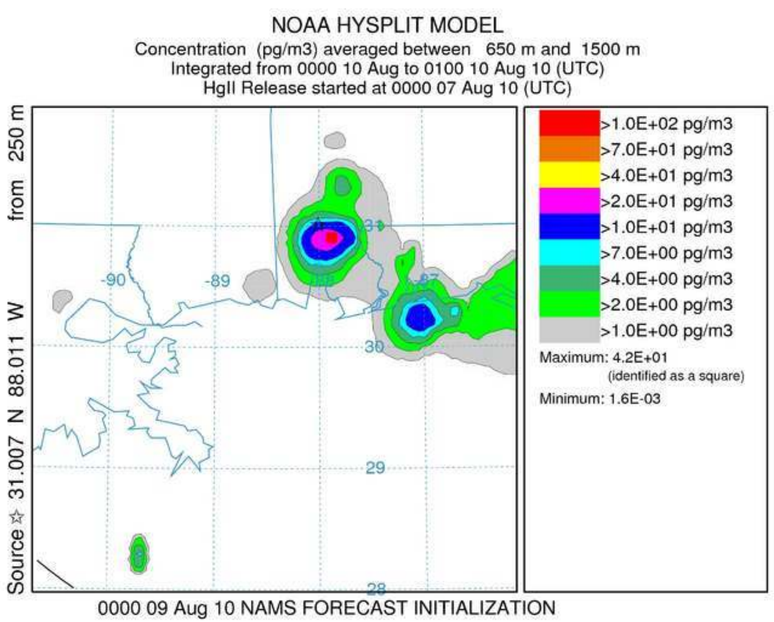

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 2300 09 Aug to 0000 10 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.1E+01
(identified as a square)
Minimum: 3.1E-03
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

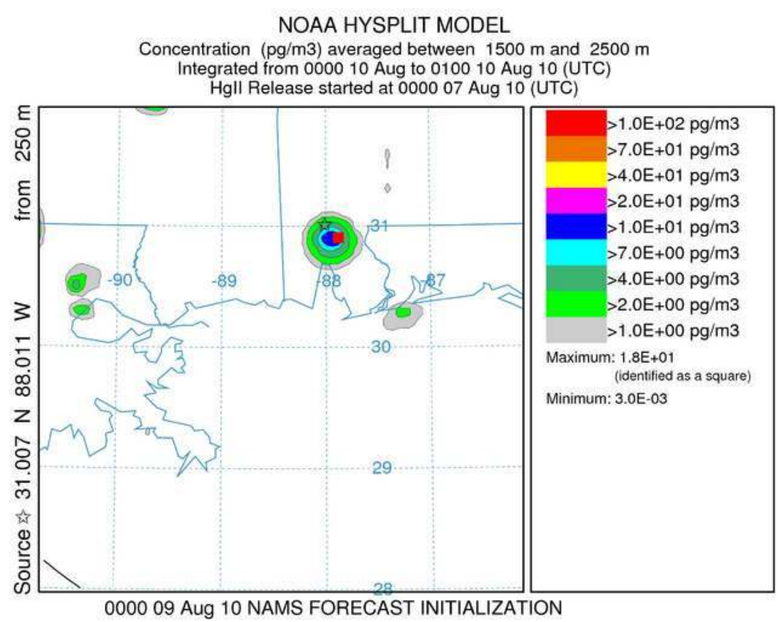

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 2300 09 Aug to 0000 10 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.2E+01
(identified as a square)
Minimum: 6.0E-07
0000 09 Aug 10 NAMS FORECAST INITIALIZATION

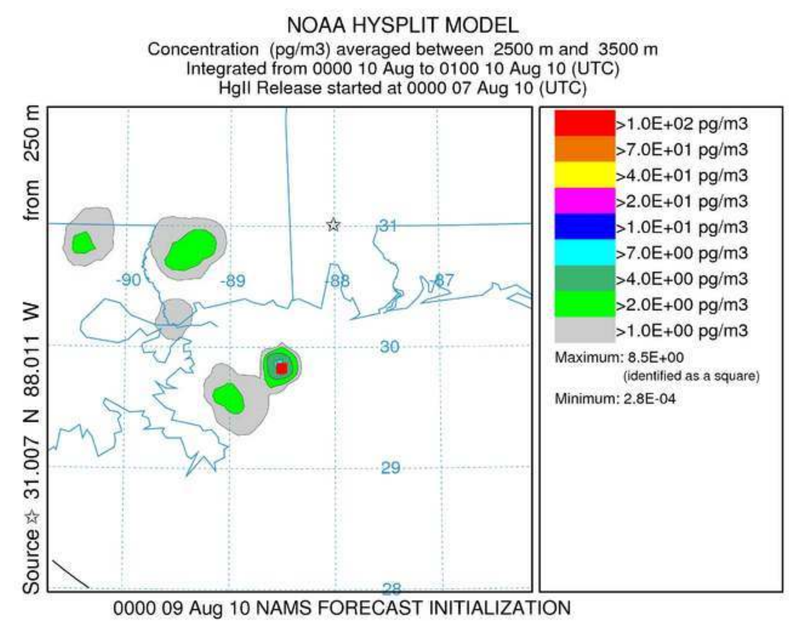

NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 0 m and 150 m
Integrated from 0000 10 Aug to 0100 10 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 1.4E+03
(identified as a square)
Minimum: 3.4E-03
0000 09 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 150 m and 350 m
Integrated from 0000 10 Aug to 0100 10 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 5.9E+02
(identified as a square)
Minimum: 4.3E-03
0000 09 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 350 m and 650 m
Integrated from 0000 10 Aug to 0100 10 Aug 10 (UTC)
HgII Release started at 0000 07 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: 9.3E+01
(identified as a square)
Minimum: 2.5E-03
0000 09 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 650 m and 1500 m
Integrated from 0000 10 Aug to 0100 10 Aug 10 (UTC)
HgII Release started at 0000 07 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: 1.6E-03
0000 09 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 1500 m and 2500 m
Integrated from 0000 10 Aug to 0100 10 Aug 10 (UTC)
HgII Release started at 0000 07 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+01
(identified as a square)
Minimum: 3.0E-03
0000 09 Aug 10 NAMS FORECAST INITIALIZATION


NOAA HYSPLIT MODEL
Concentration (pg/m3) averaged between 2500 m and 3500 m
Integrated from 0000 10 Aug to 0100 10 Aug 10 (UTC)
HgII Release started at 0000 07 Aug 10 (UTC)
Source ☆ 31.007 N 88.011 W from 250 m
>1.0E+02 pg/m3
>7.0E+01 pg/m3
>4.0E+01 pg/m3
>2.0E+01 pg/m3
>1.0E+01 pg/m3
>7.0E+00 pg/m3
>4.0E+00 pg/m3
>2.0E+00 pg/m3
>1.0E+00 pg/m3
Maximum: 8.5E+00
(identified as a square)
Minimum: 2.8E-04
0000 09 Aug 10 NAMS FORECAST INITIALIZATION