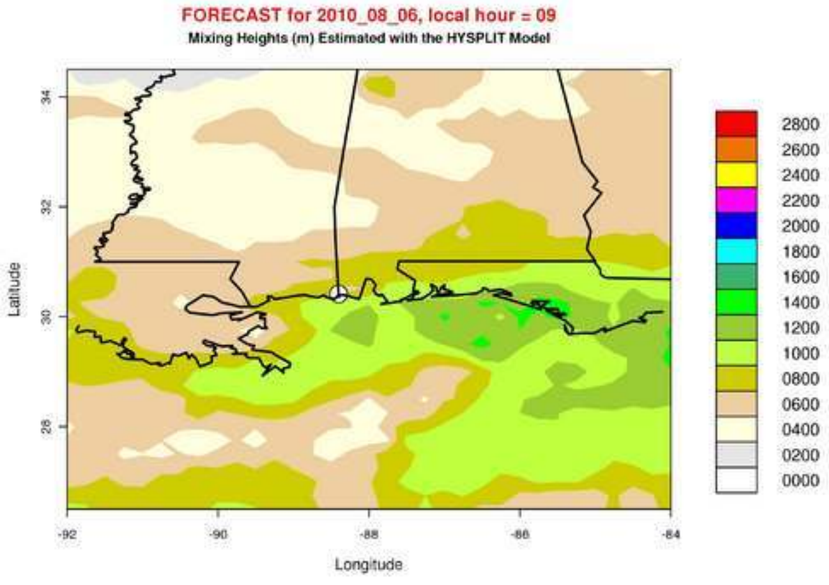
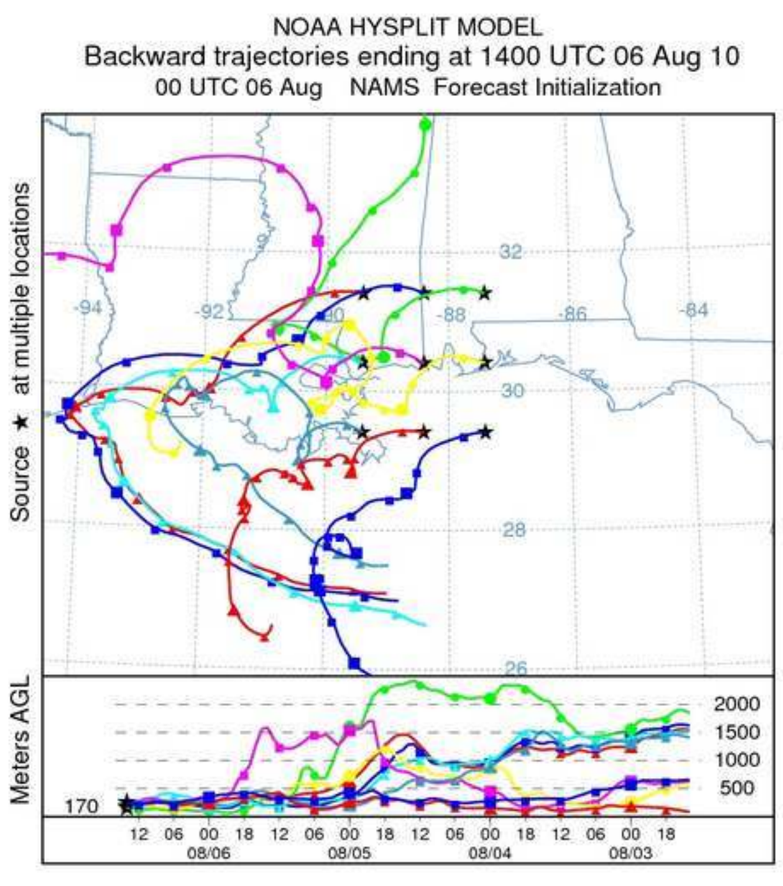
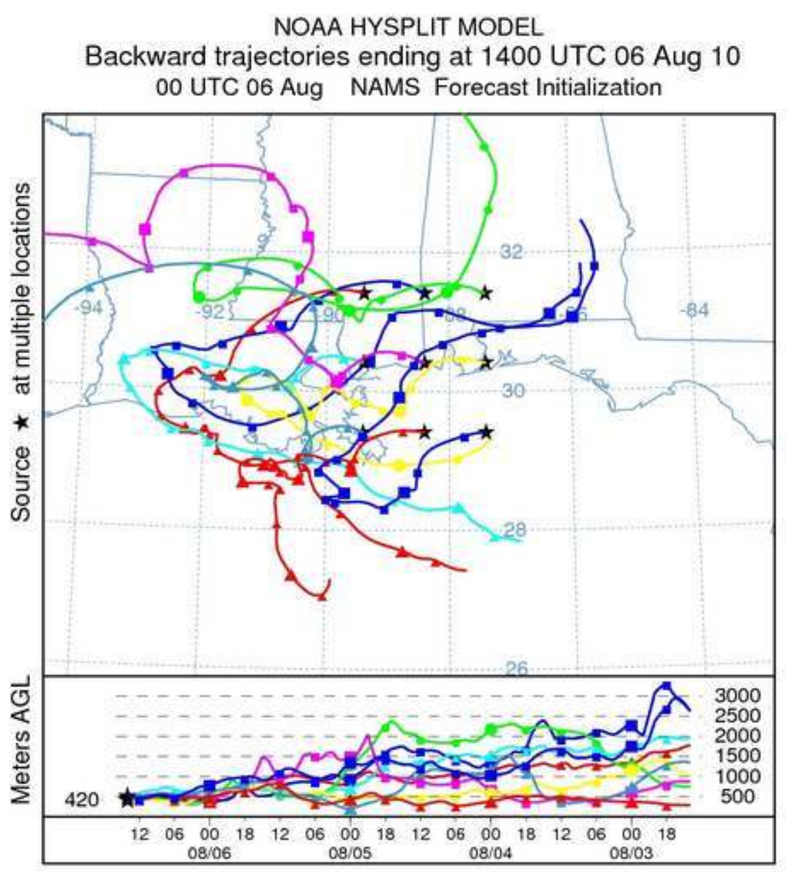
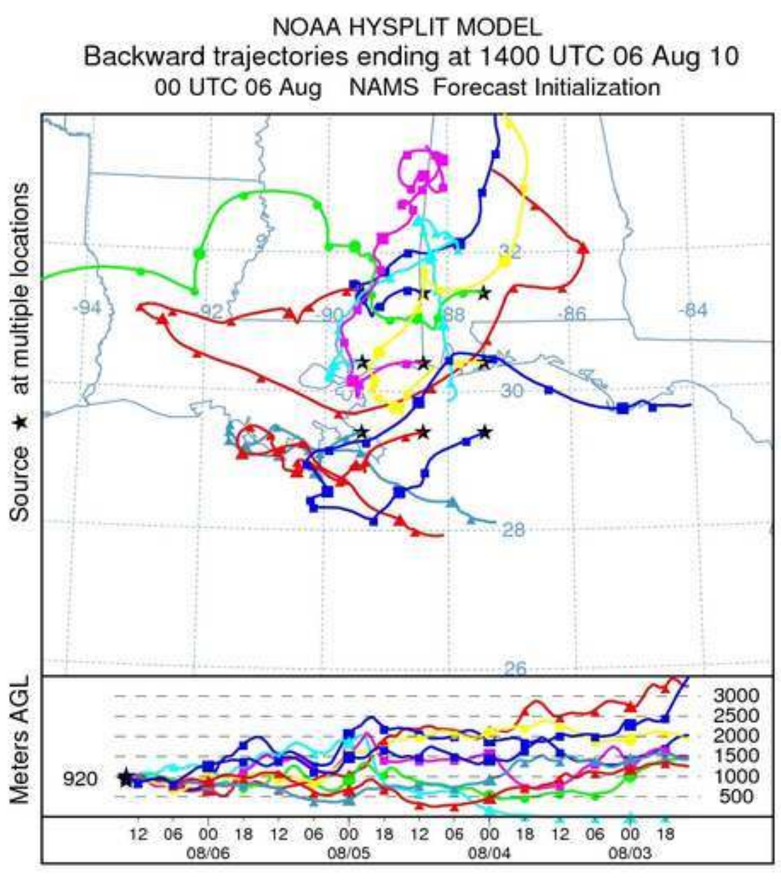
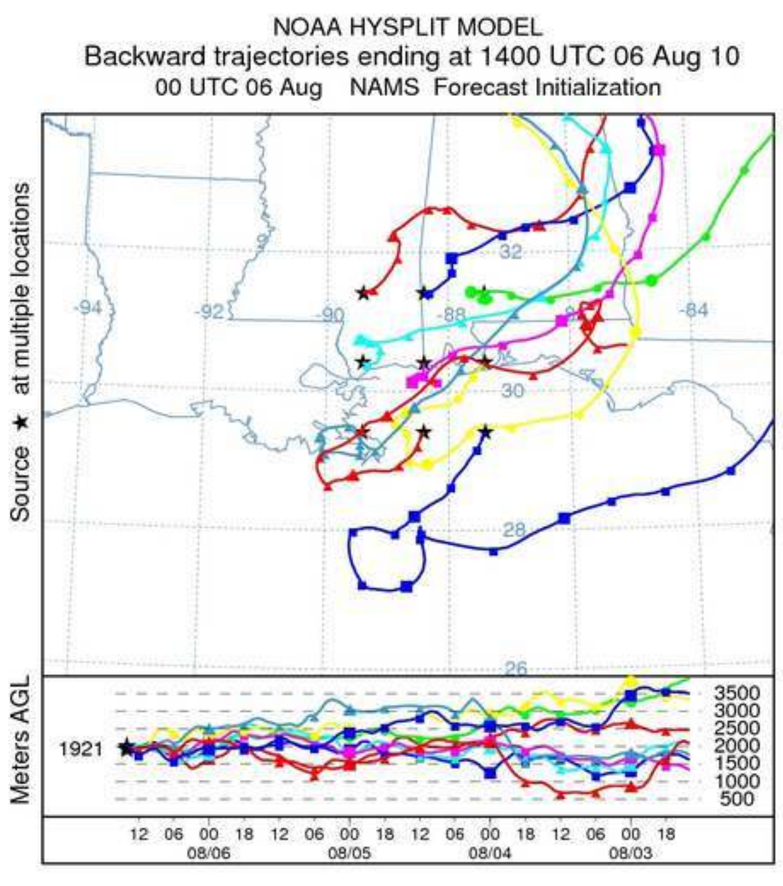
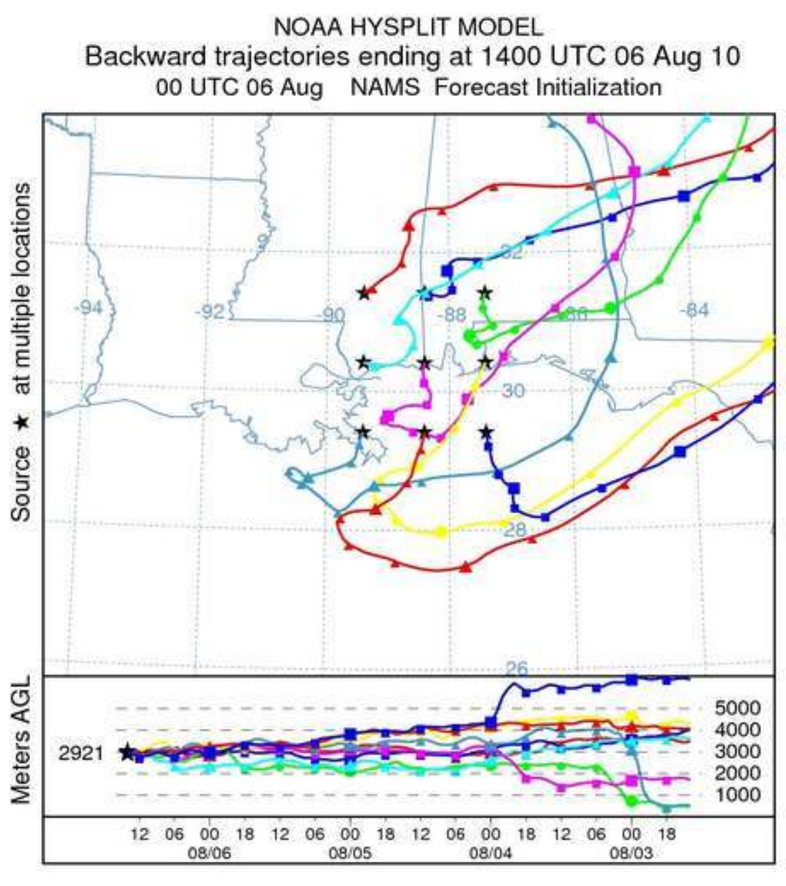

FORECAST for 2010_08_06, local hour = 09
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

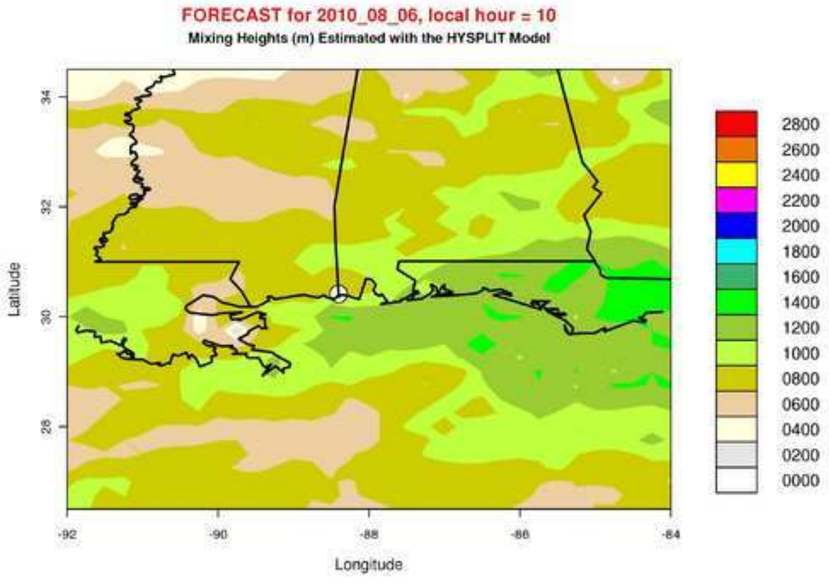

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

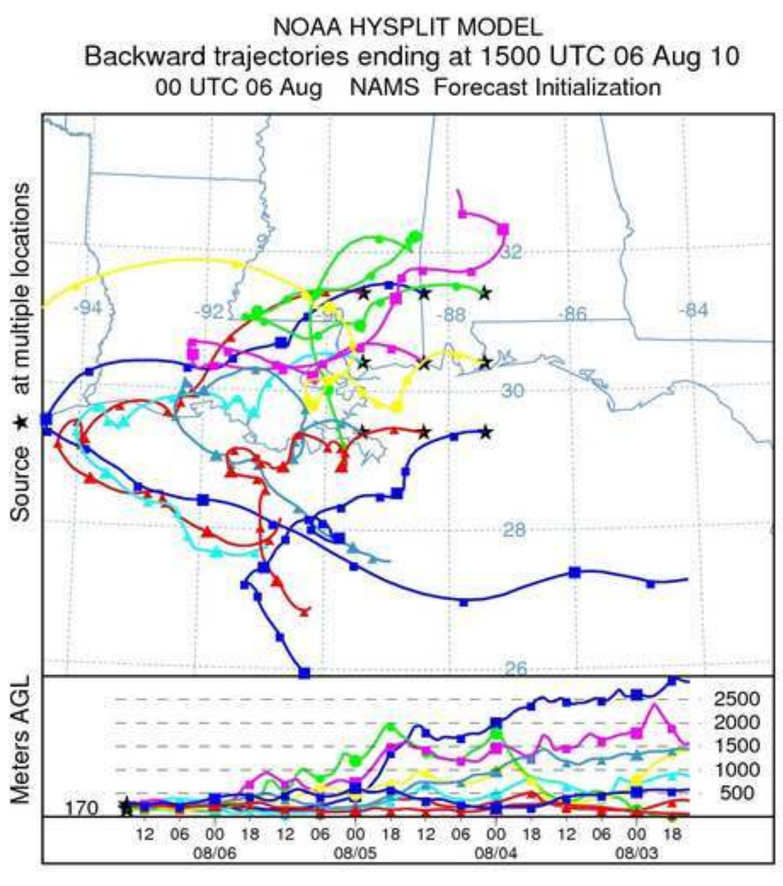

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

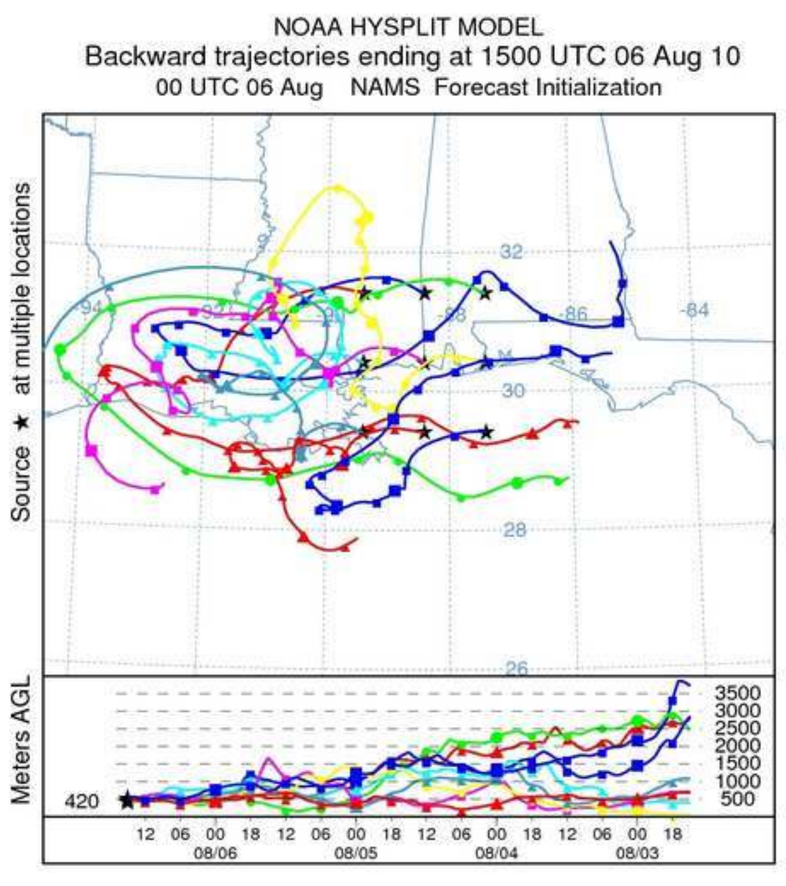

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

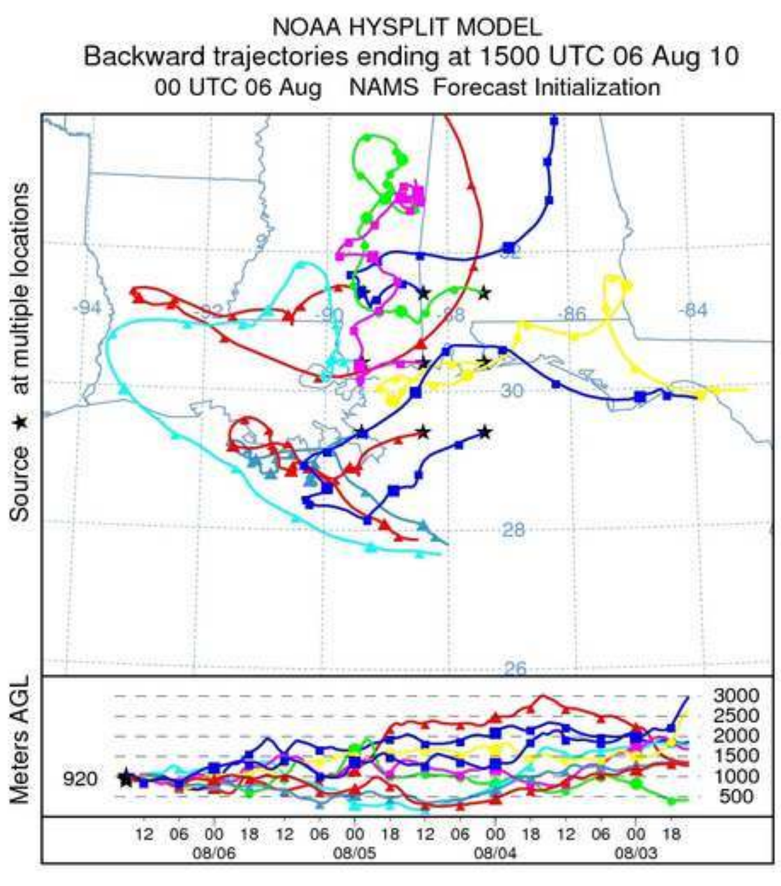

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3500
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

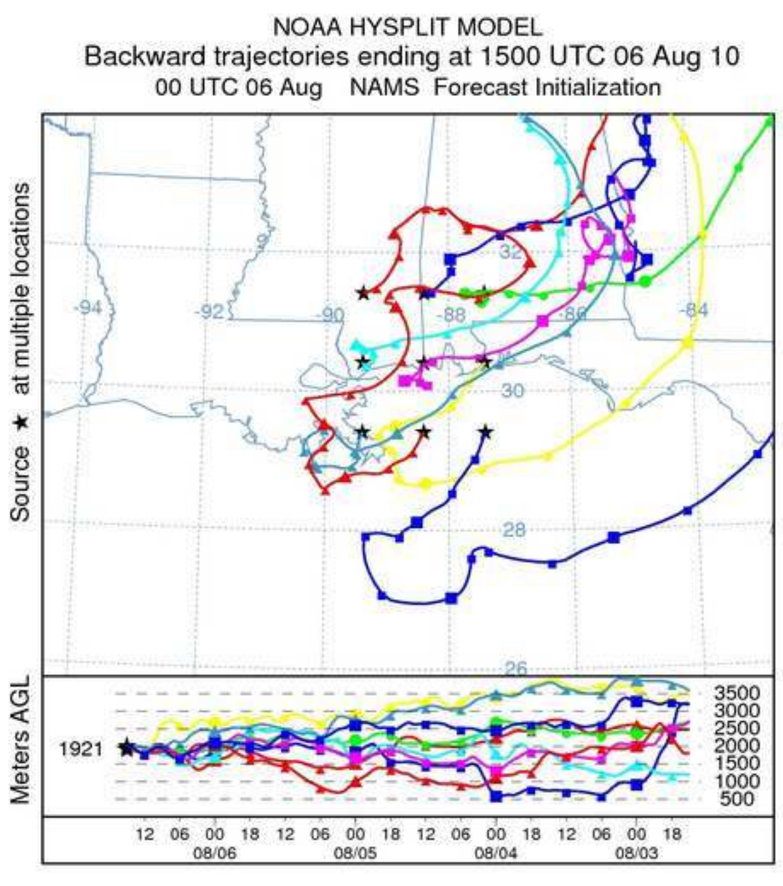

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
5000
4000
3000
2000
1000
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

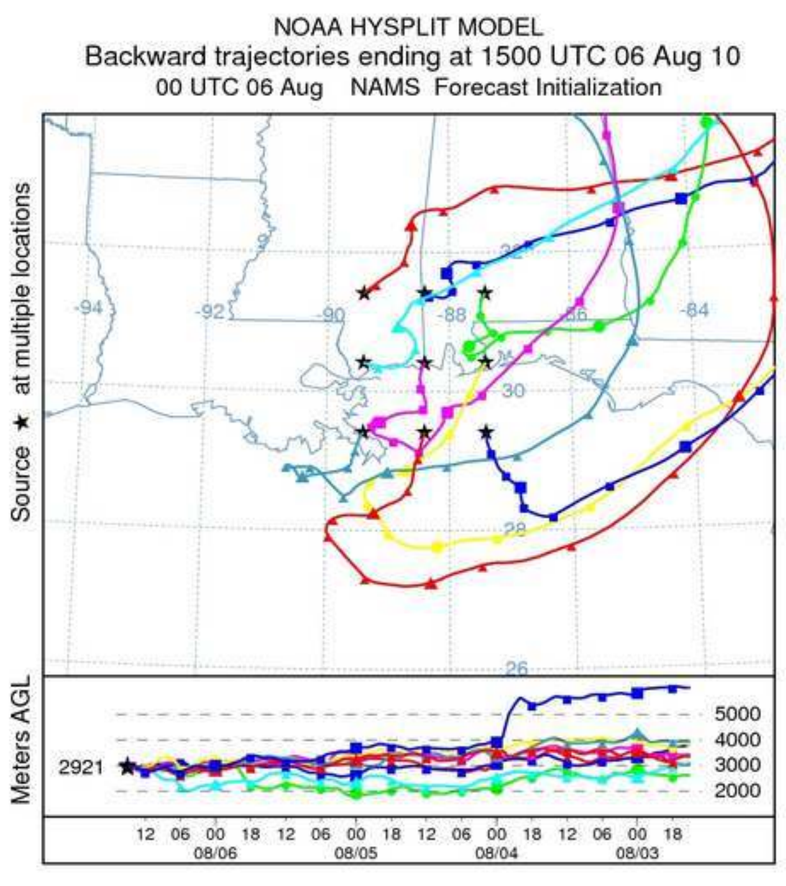

FORECAST for 2010_08_06, local hour = 10
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

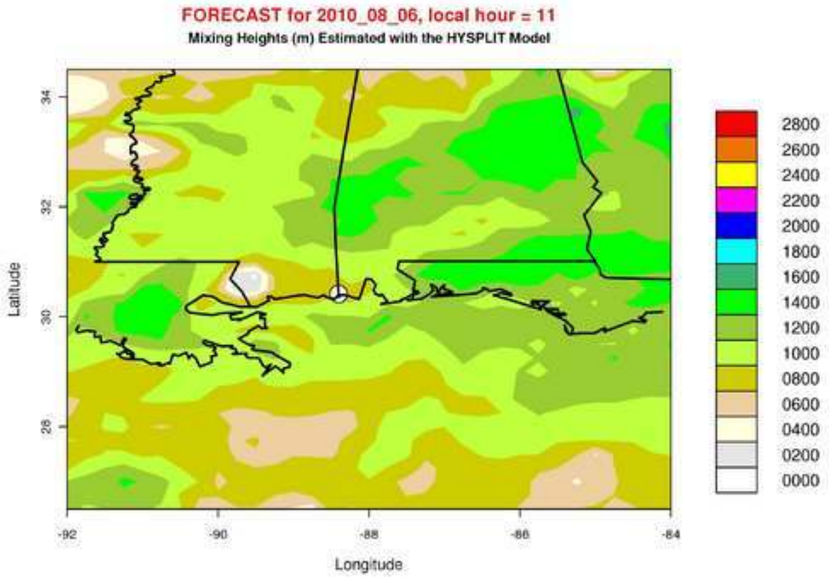

NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

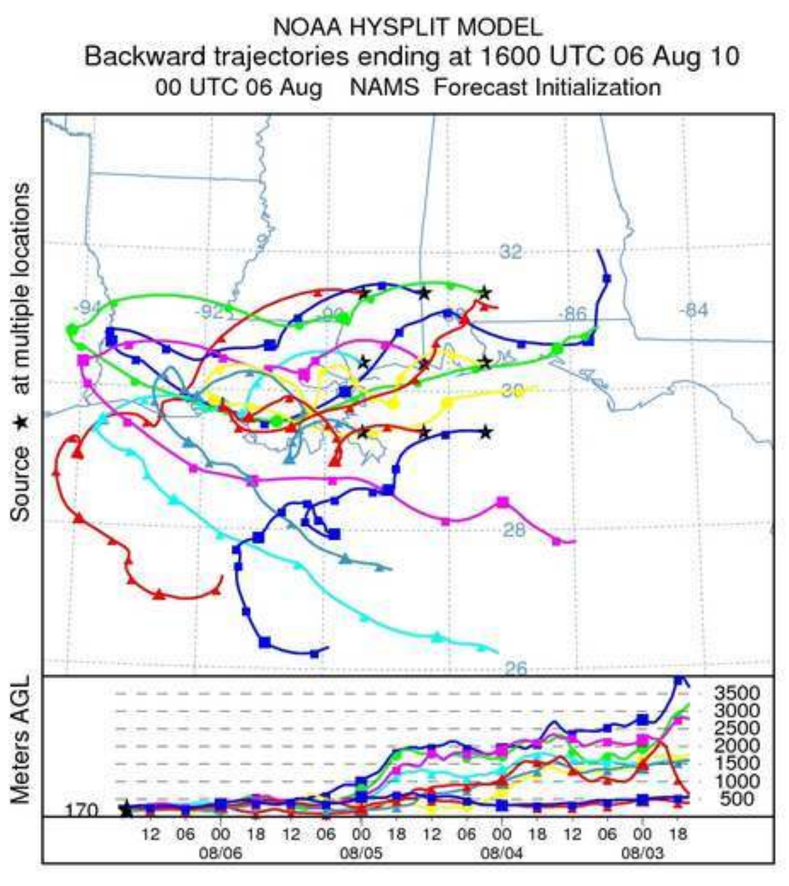

NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
3500
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

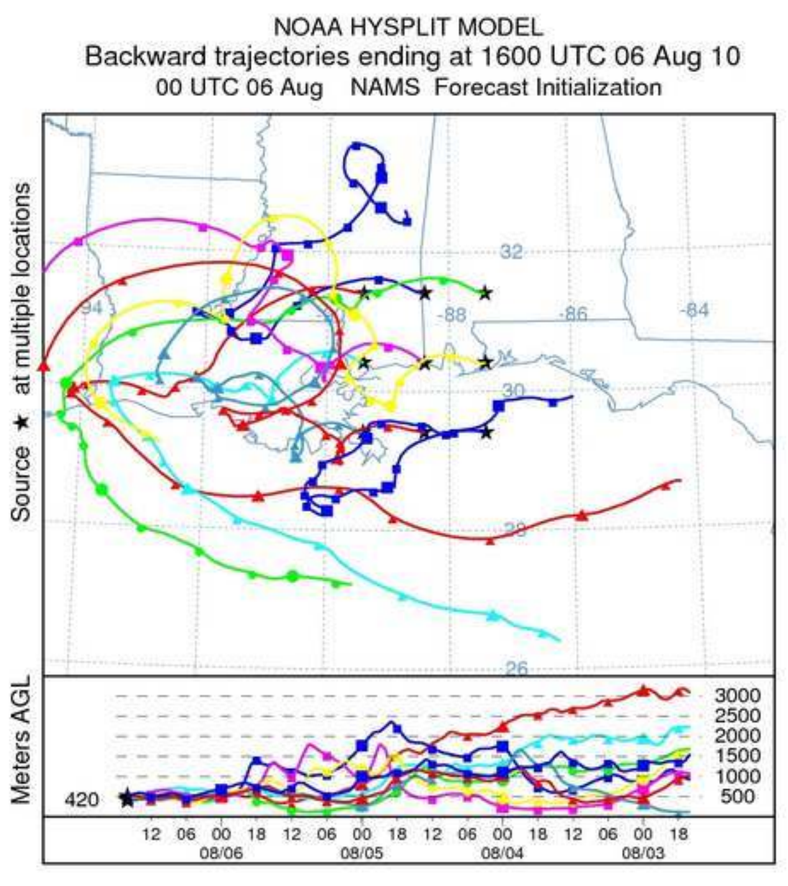

NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

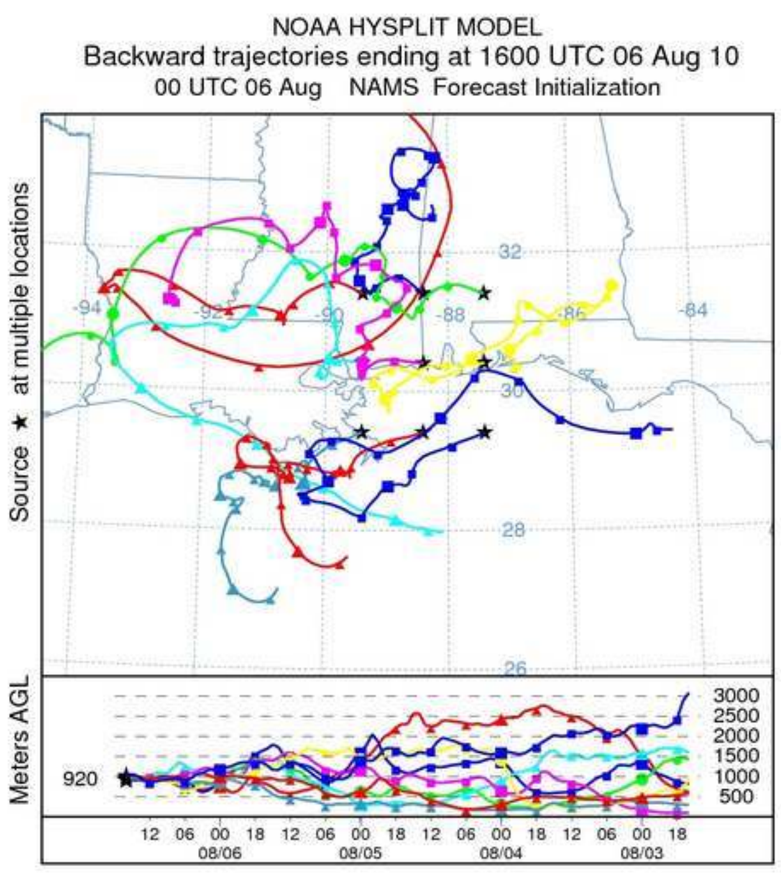

NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3500
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

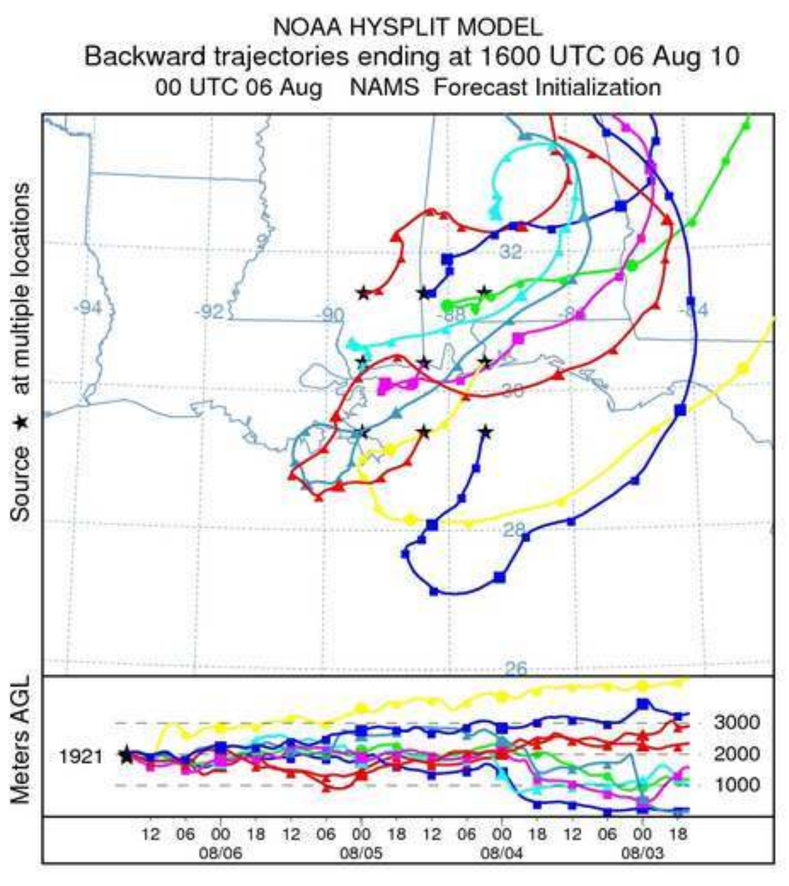

NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
5000
4000
3000
2000
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

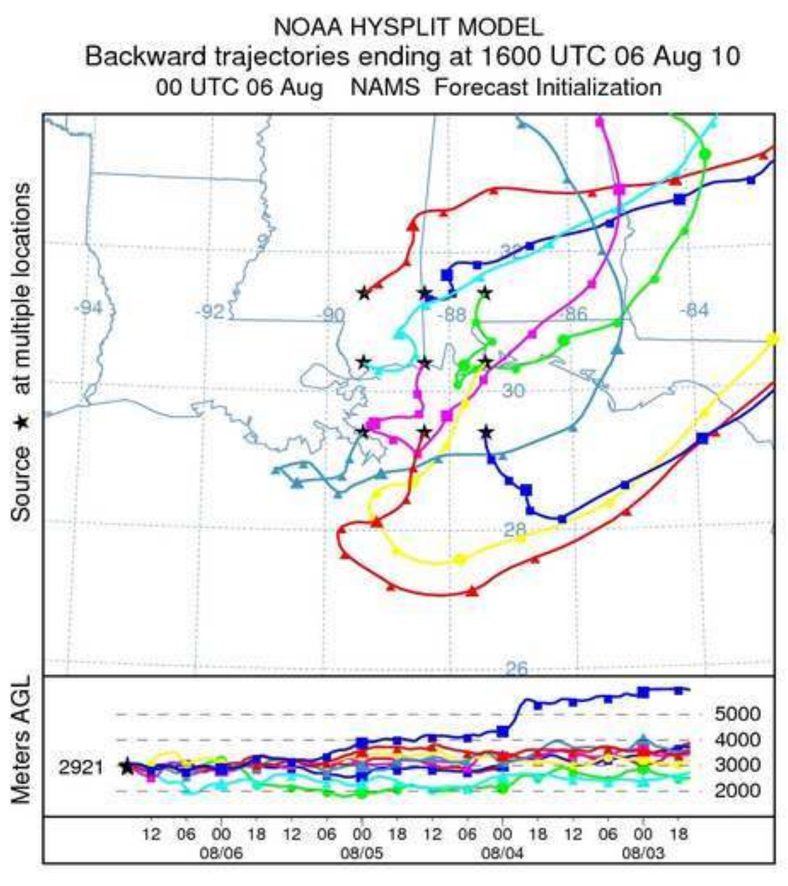

FORECAST for 2010_08_06, local hour = 11
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

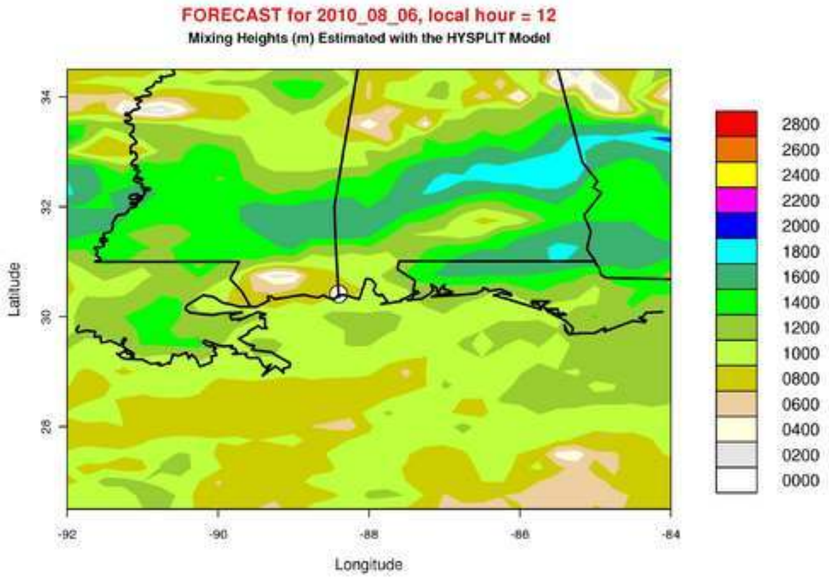

NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
3500
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

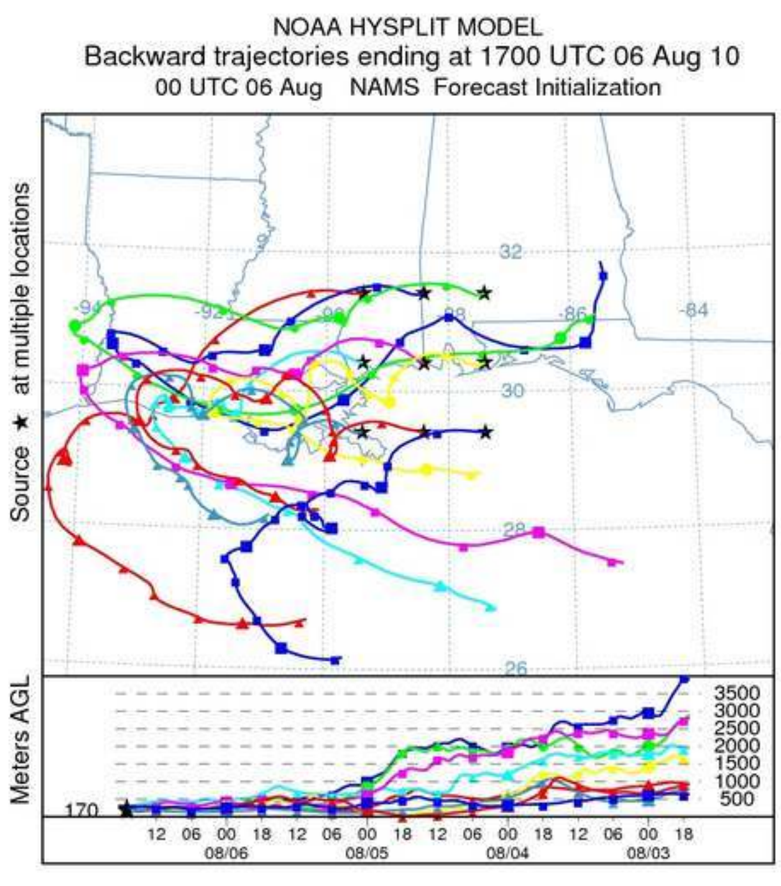

NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

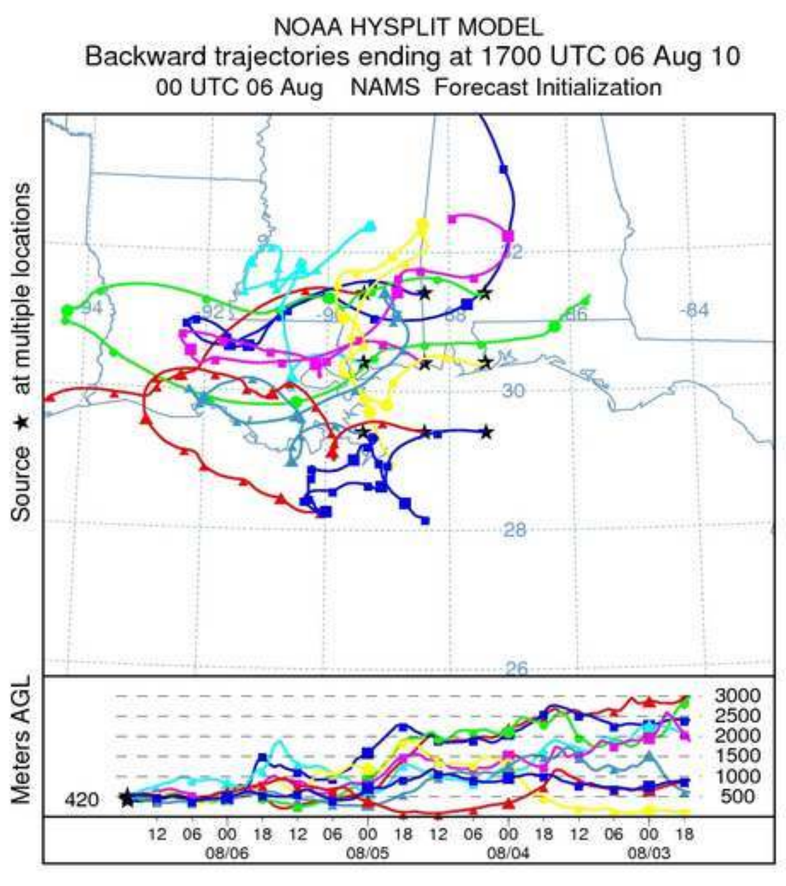

NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

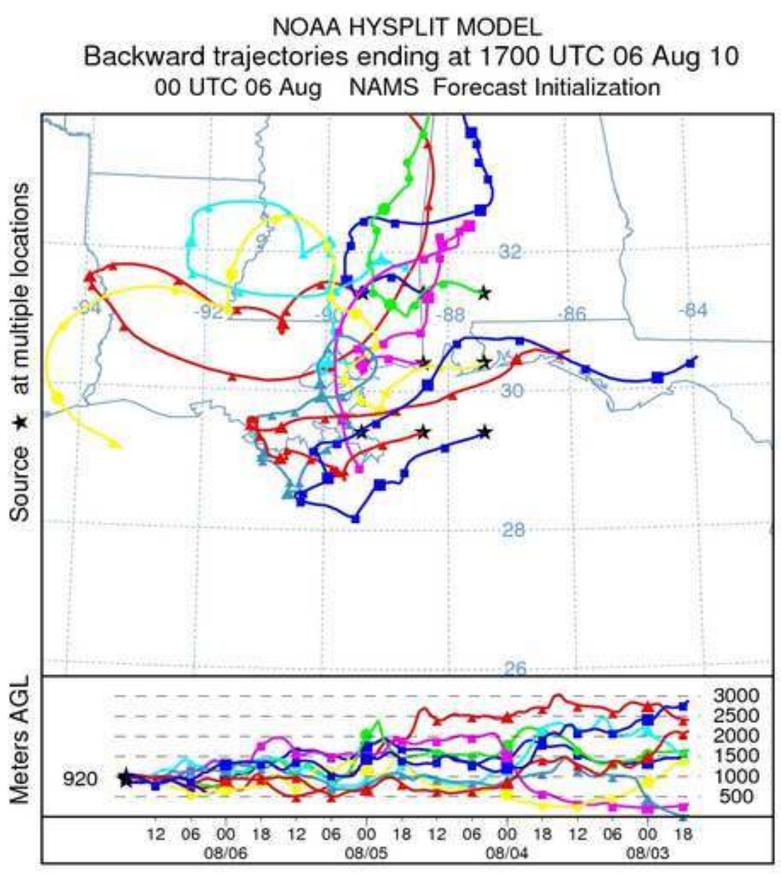

NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2000
1000
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

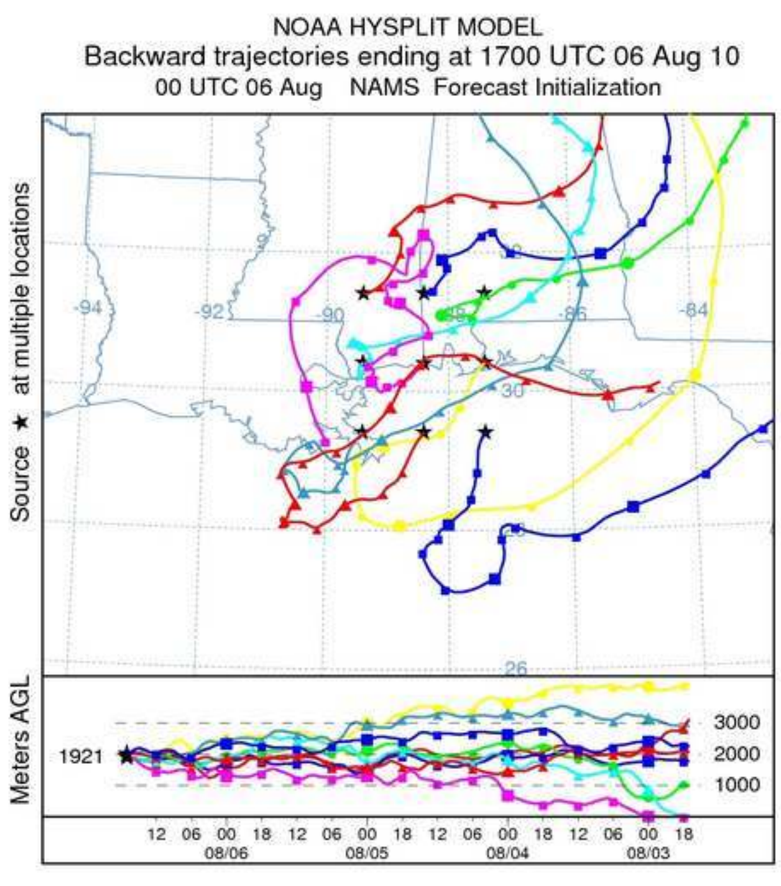

NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
5000
4000
3000
2000
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

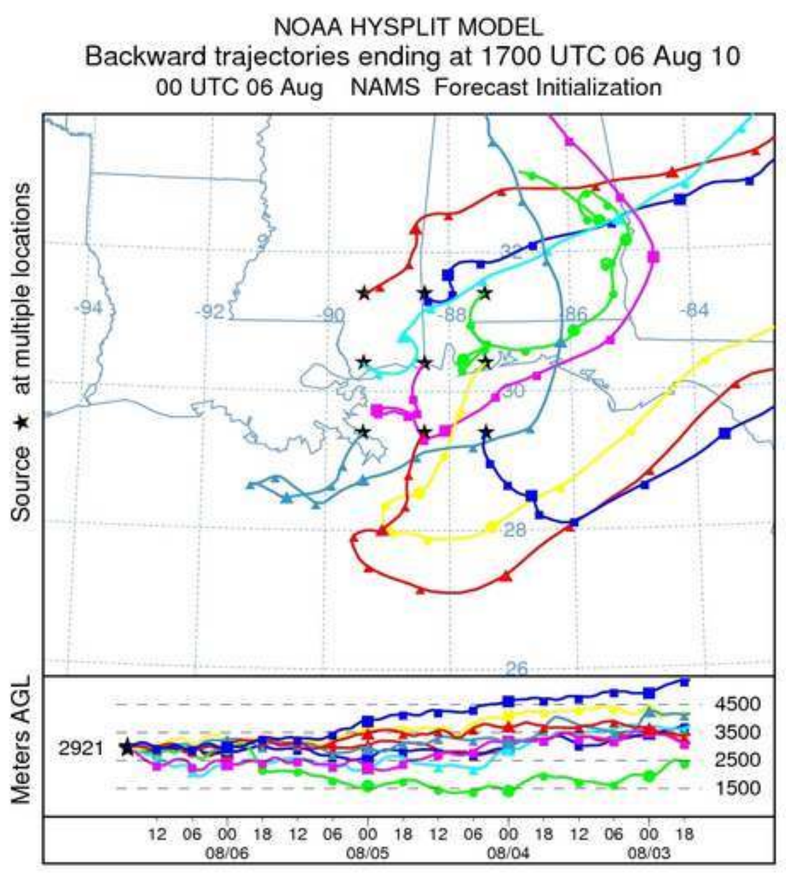

FORECAST for 2010_08_06, local hour = 12
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
-92
-90
-88
-86
-84
34
32
30
28
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

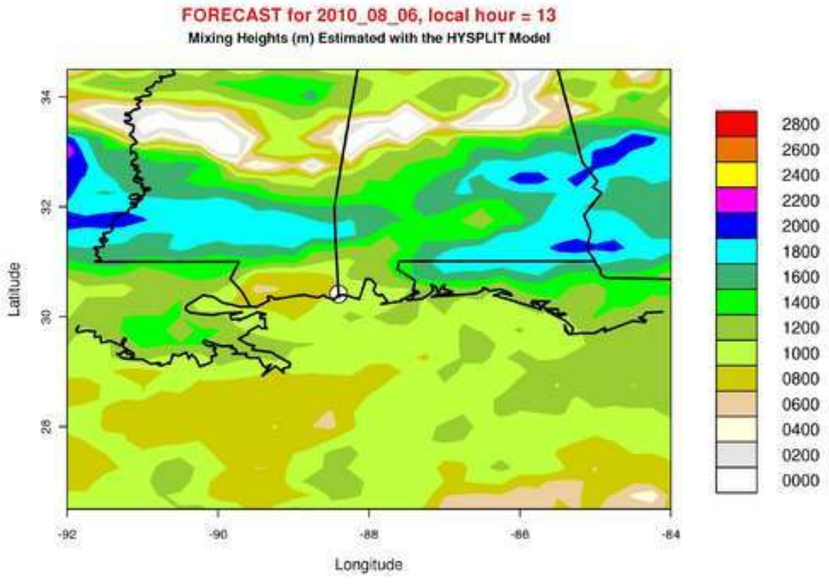

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
3500
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

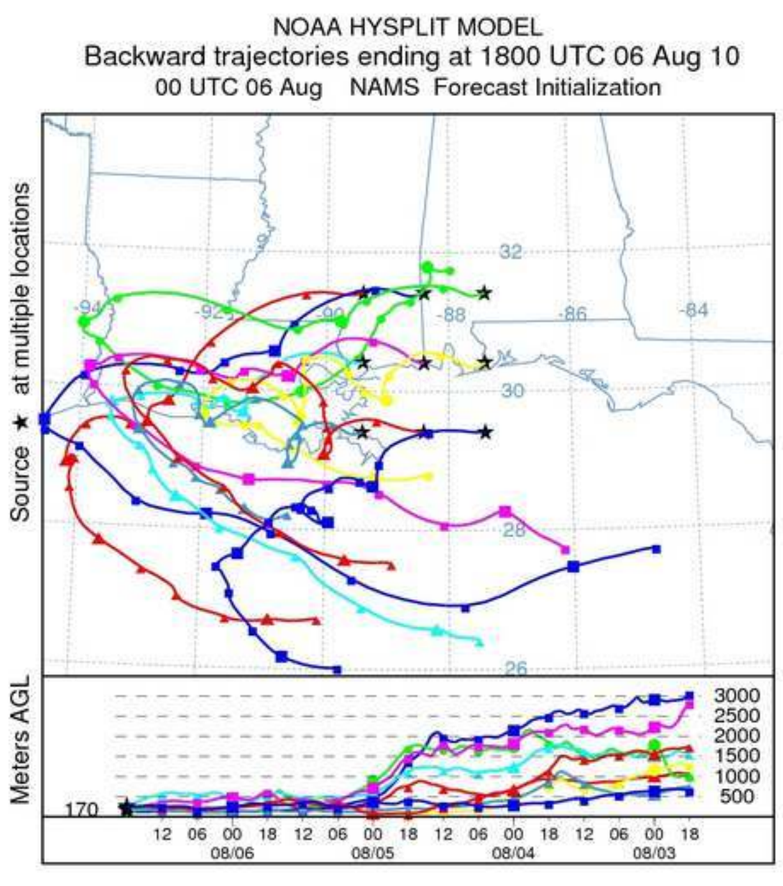

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

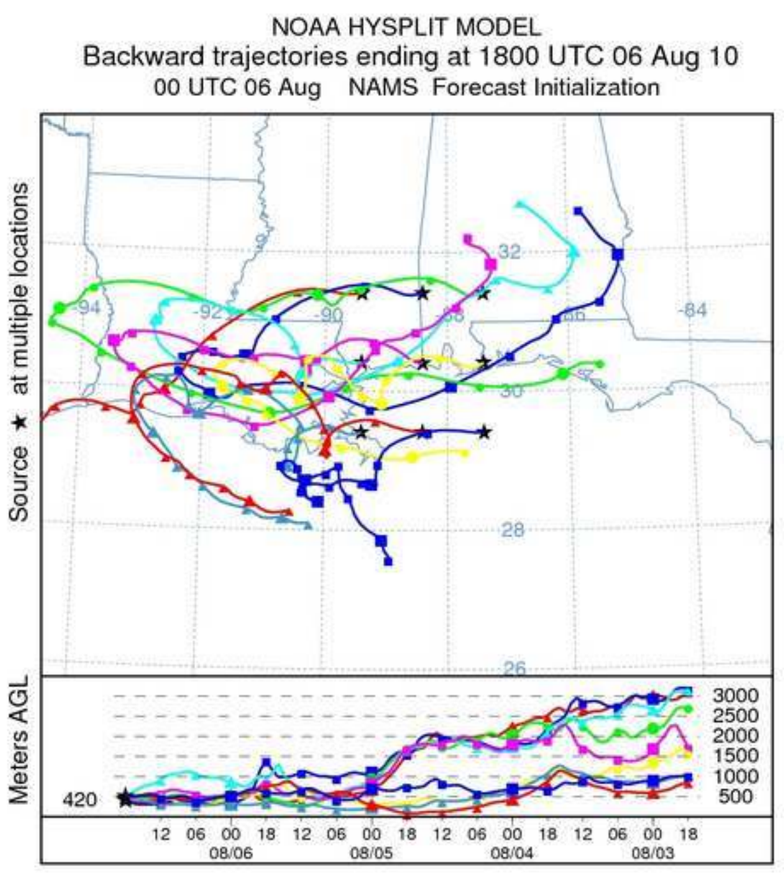

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

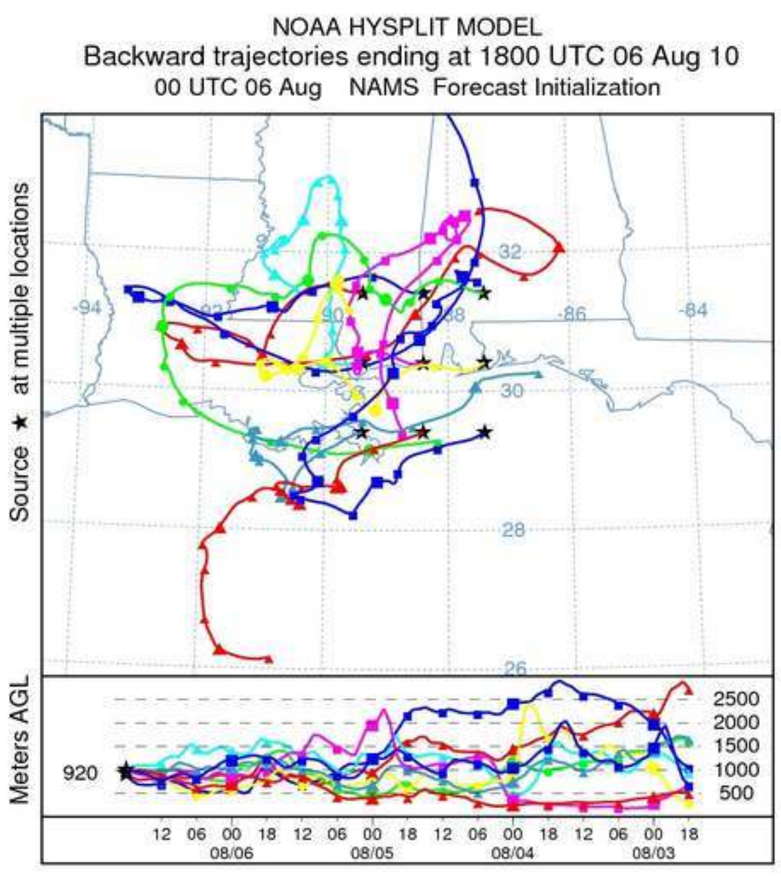

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2000
1000
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

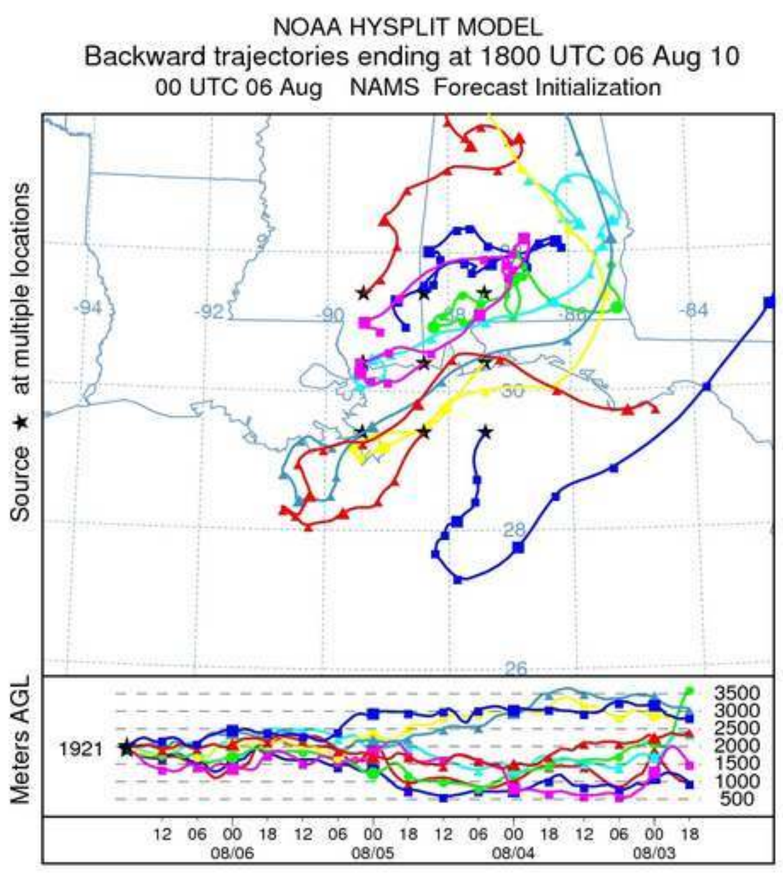

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4500
3500
2500
1500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

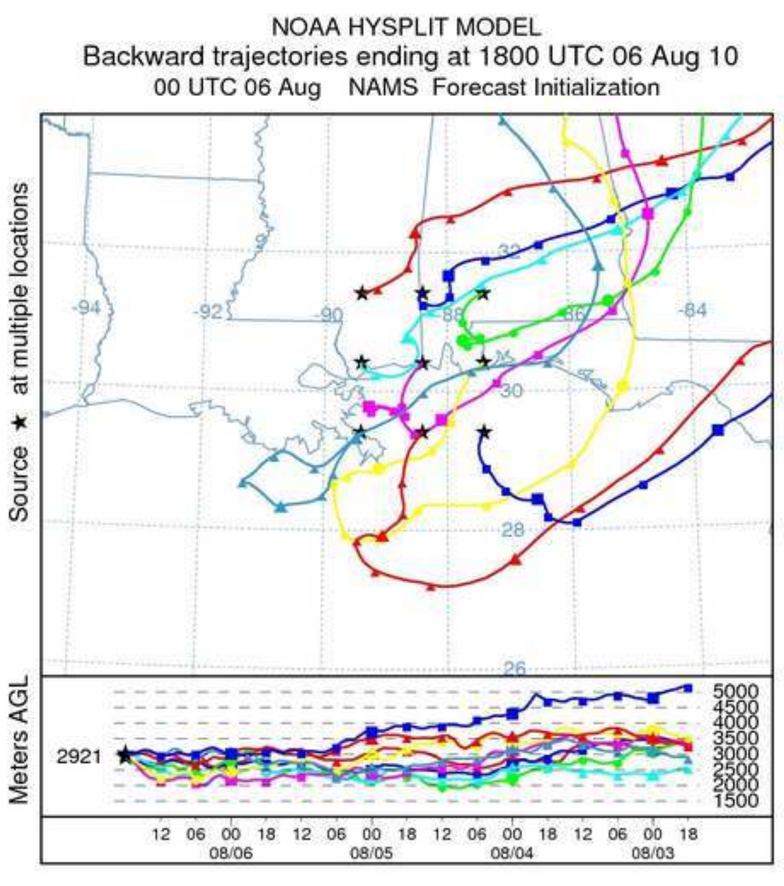

FORECAST for 2010_08_06, local hour = 13
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

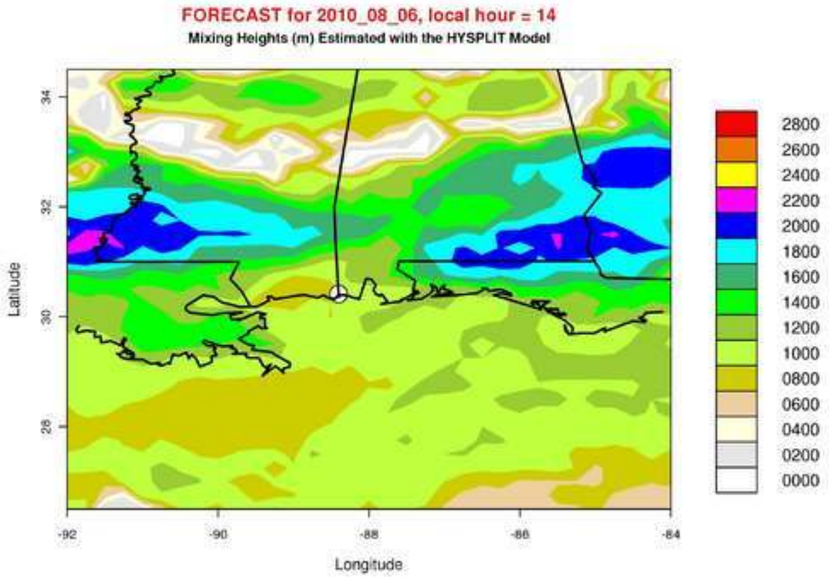

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

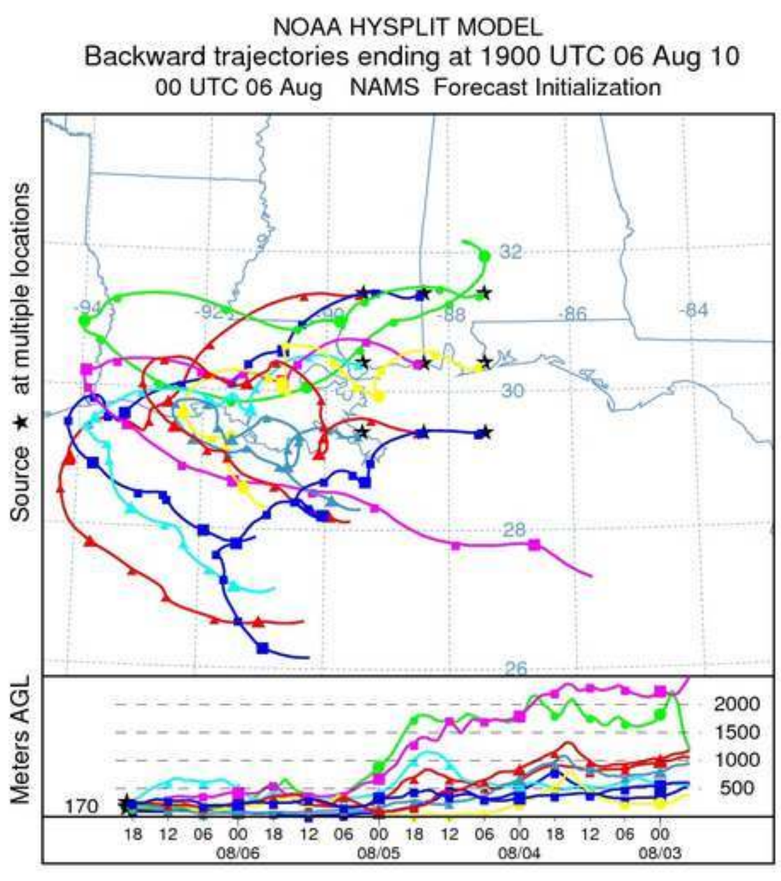

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

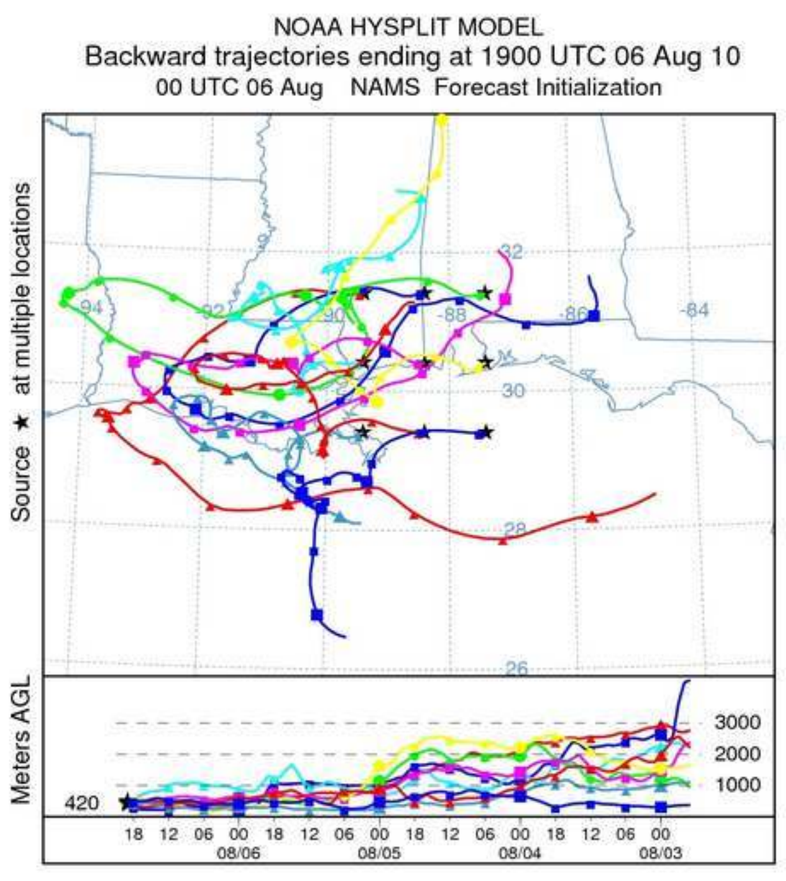

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

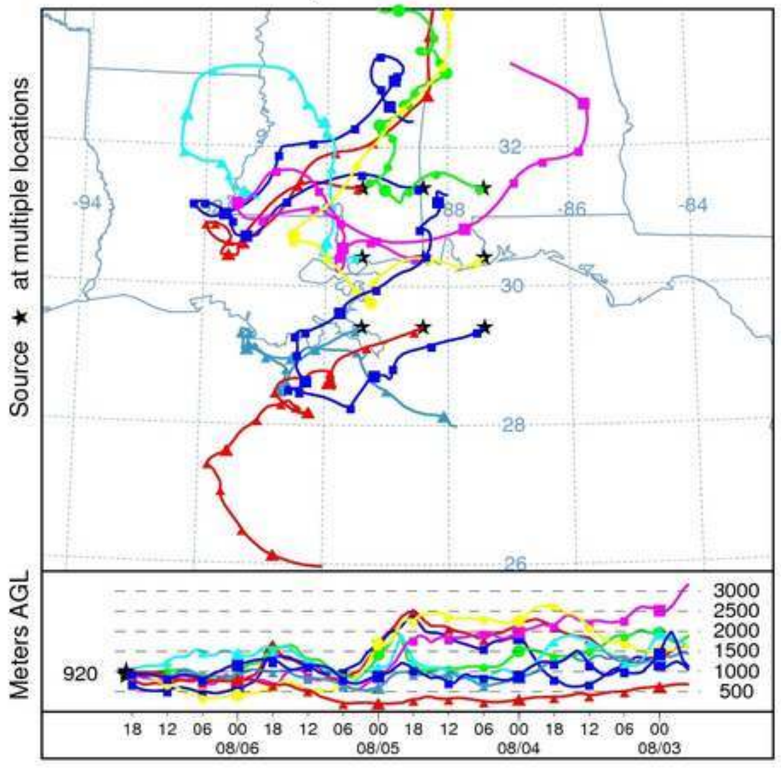

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3500
3000
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

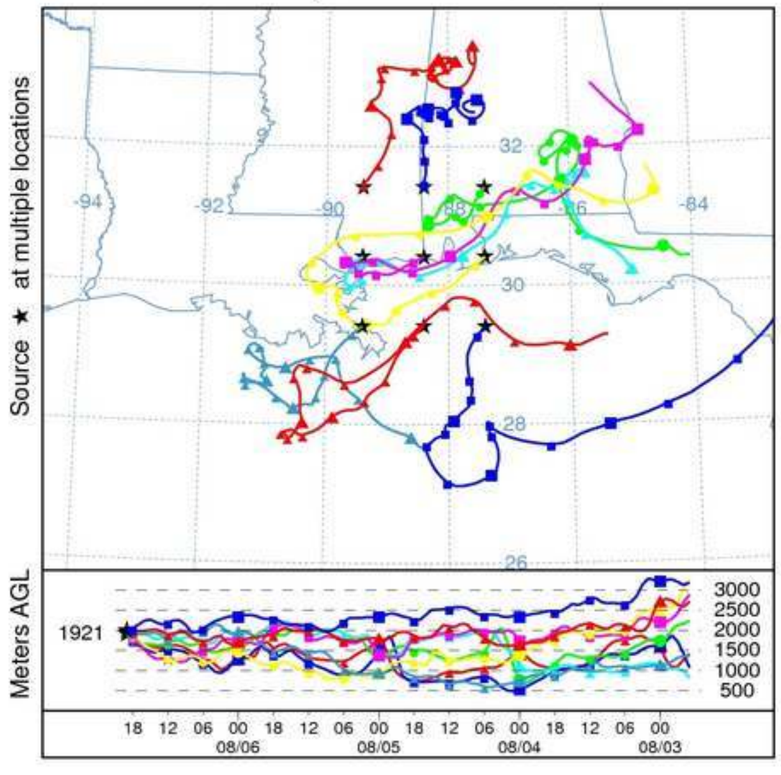

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
5000
4500
4000
3500
3000
2500
2000
1500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
08/06 08/05 08/04 08/03

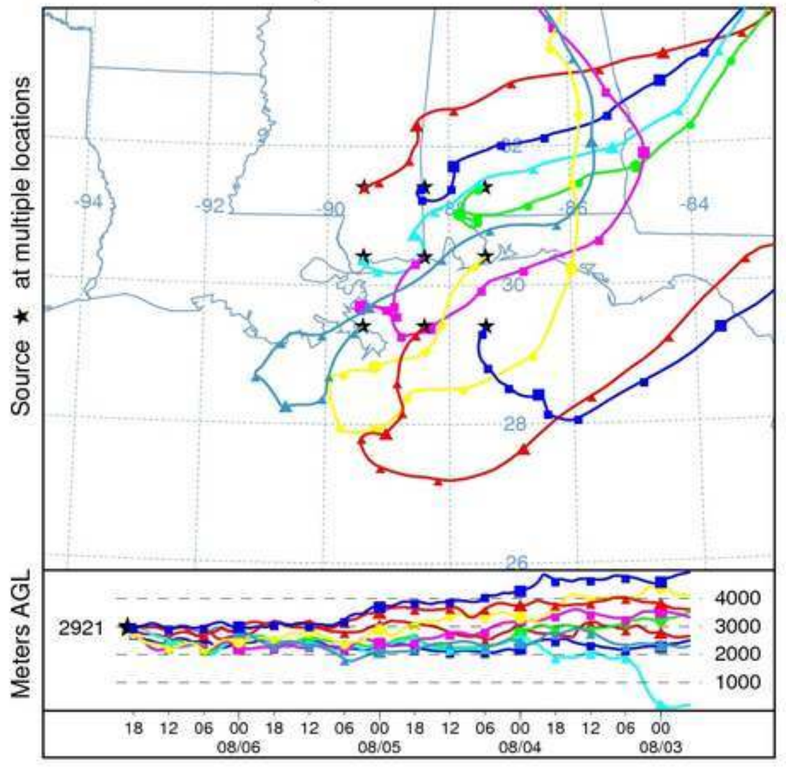

FORECAST for 2010_08_06, local hour = 14
Mixing Heights (m) Estimated with the HYSPLIT Model
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84

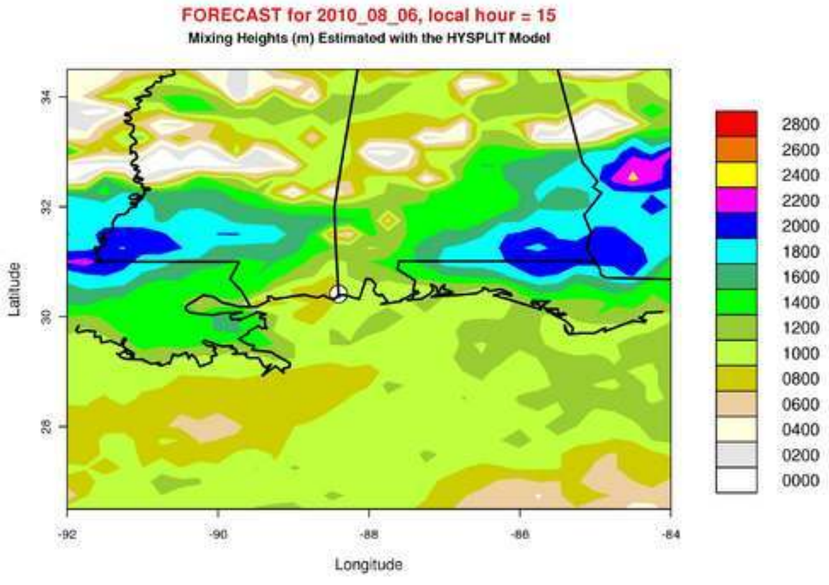

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

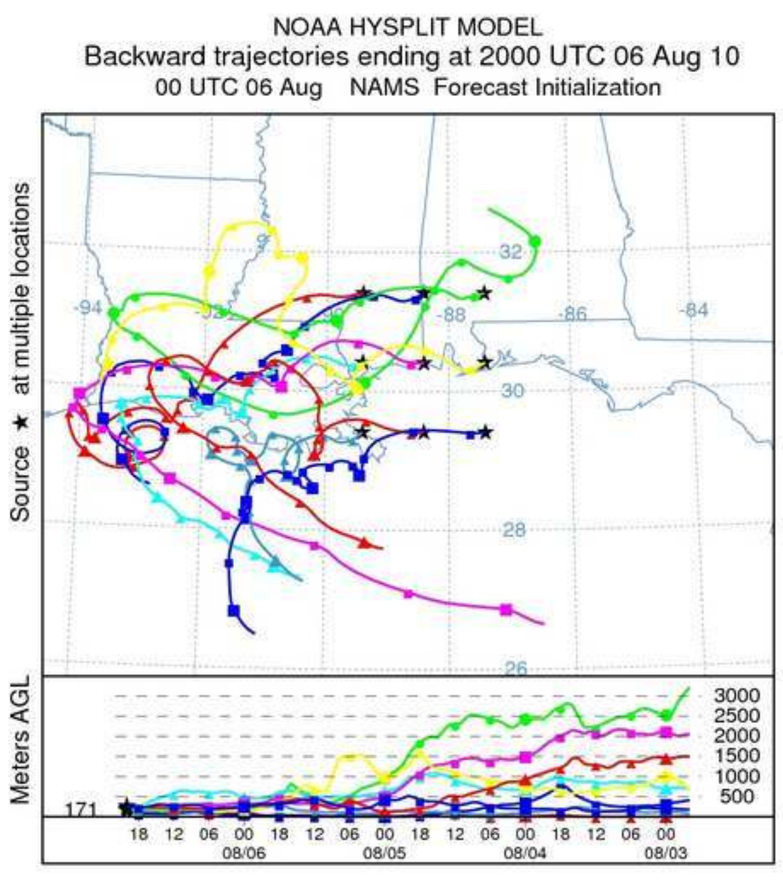

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
3000
2000
1000
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

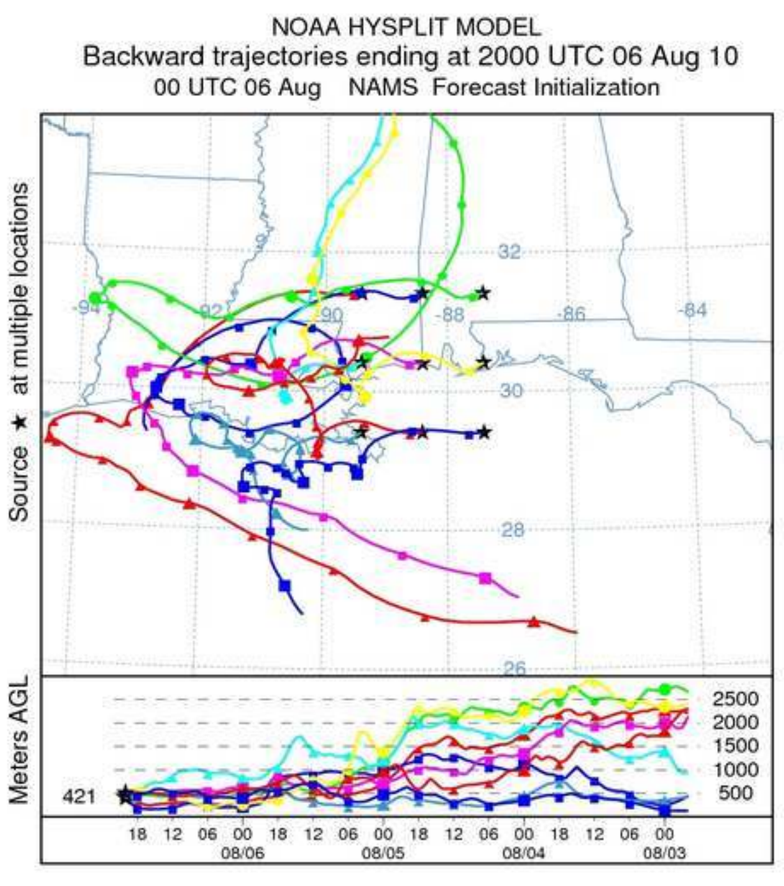

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

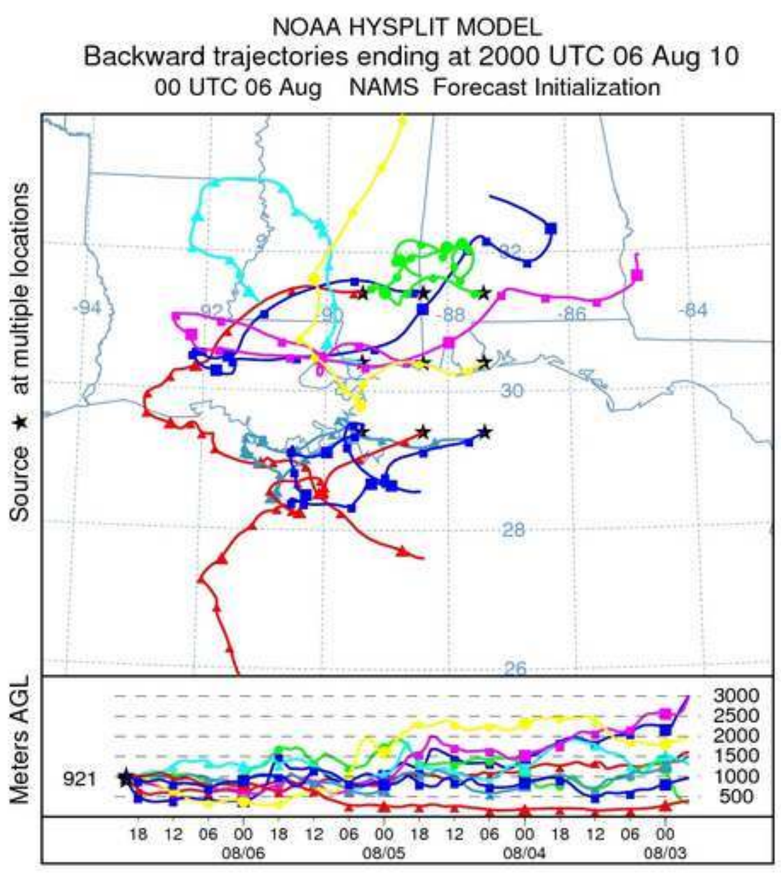

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

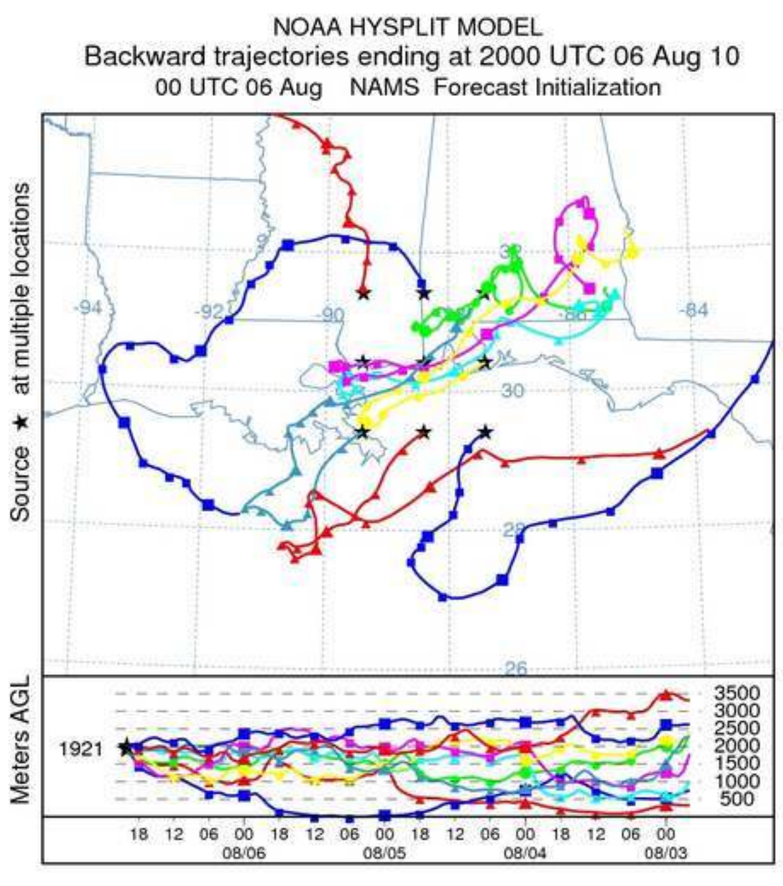

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4000
3000
2000
1000
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

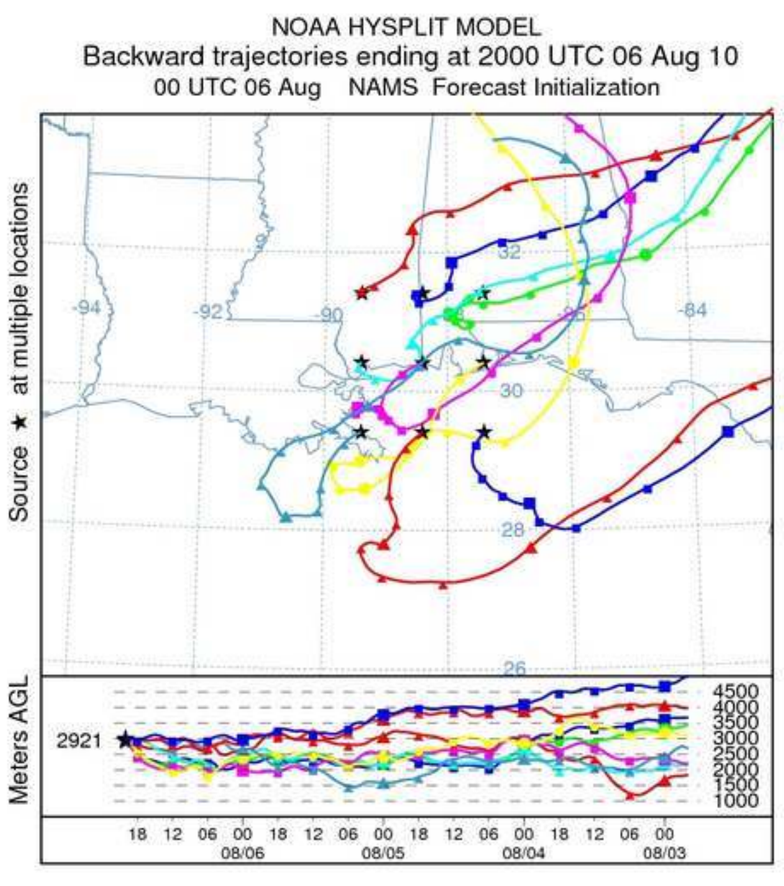

FORECAST for 2010_08_06, local hour = 15
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

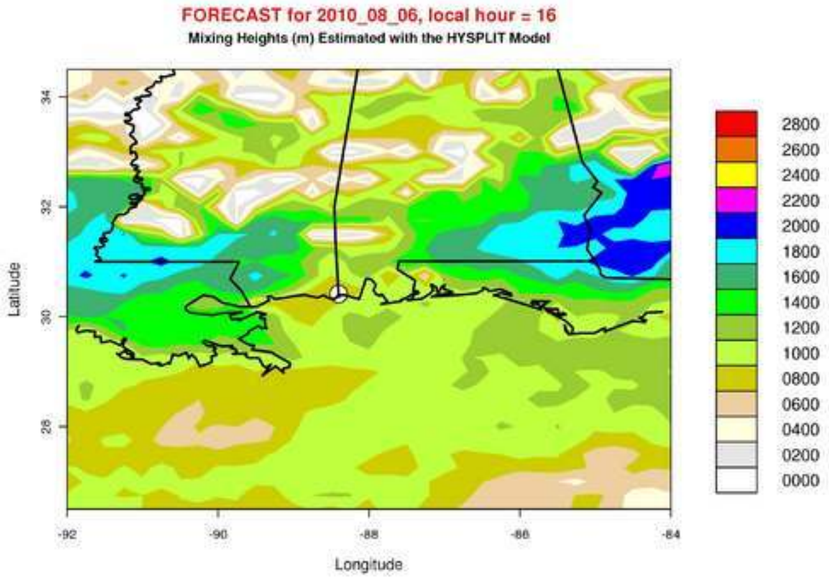

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

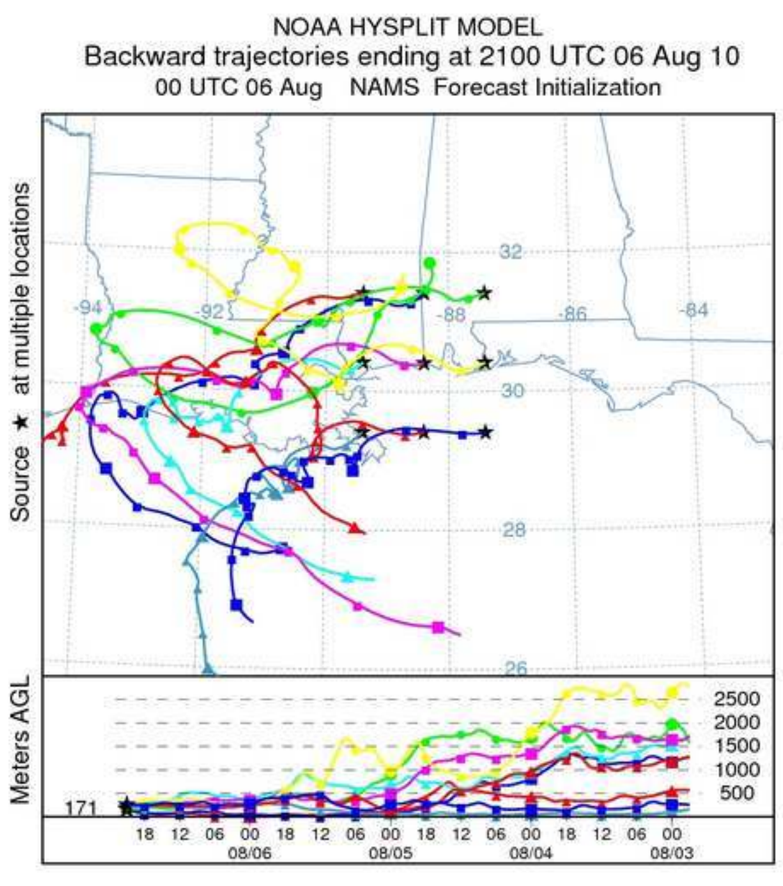

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

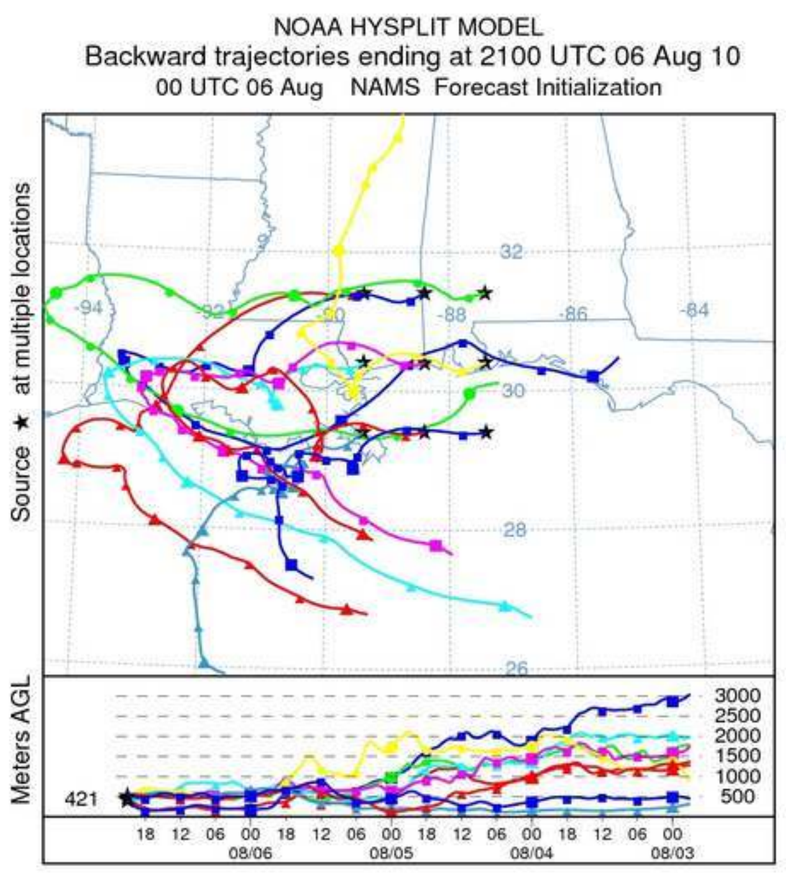

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

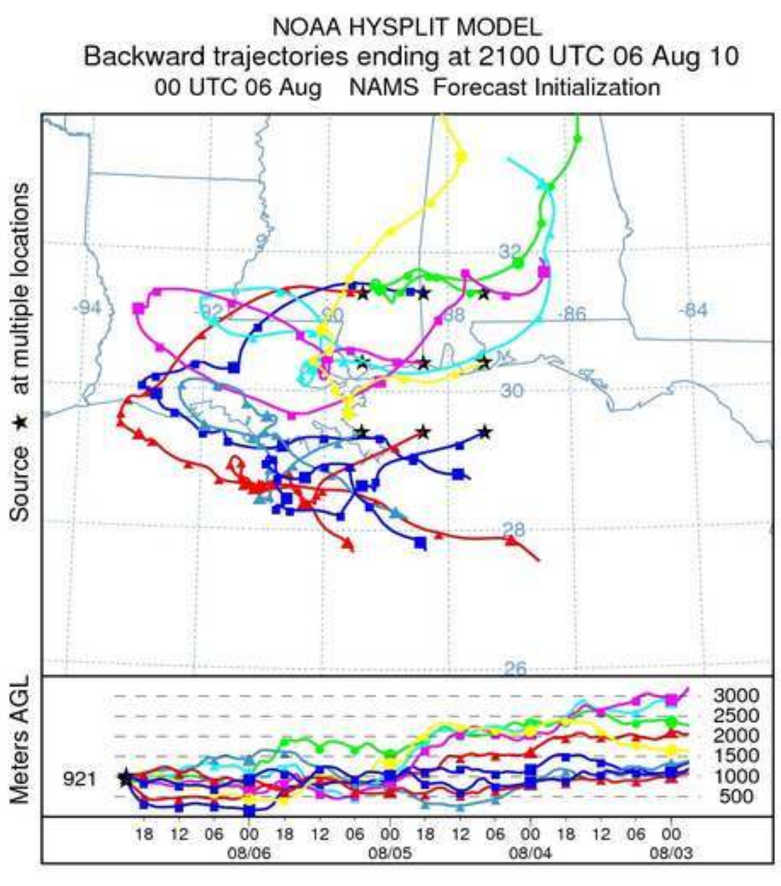

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3500
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

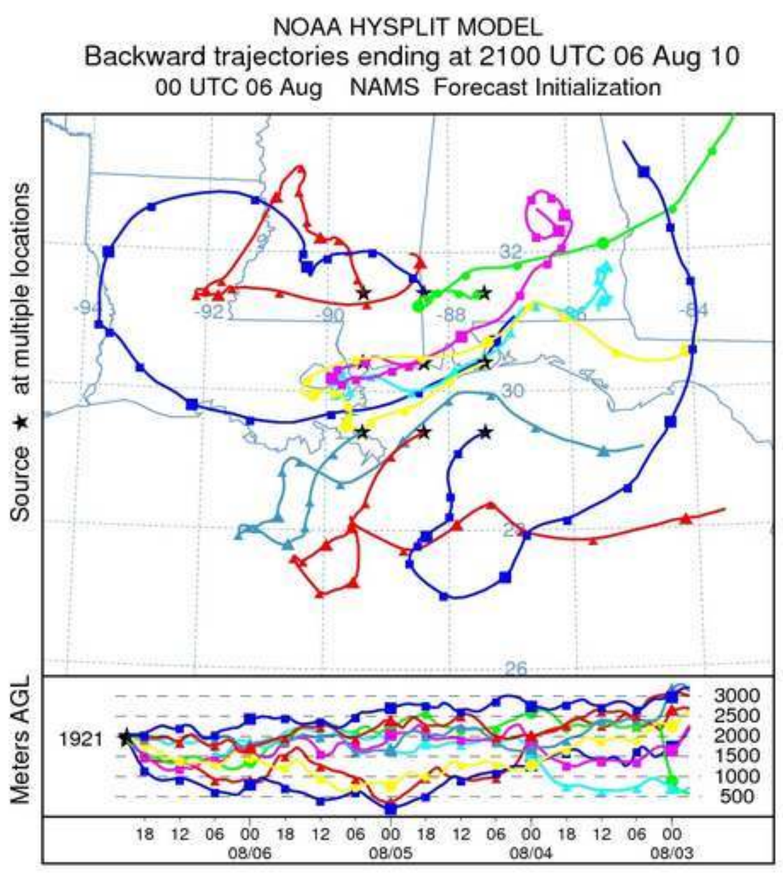

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4500
4000
3500
3000
2500
2000
1500
1000
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

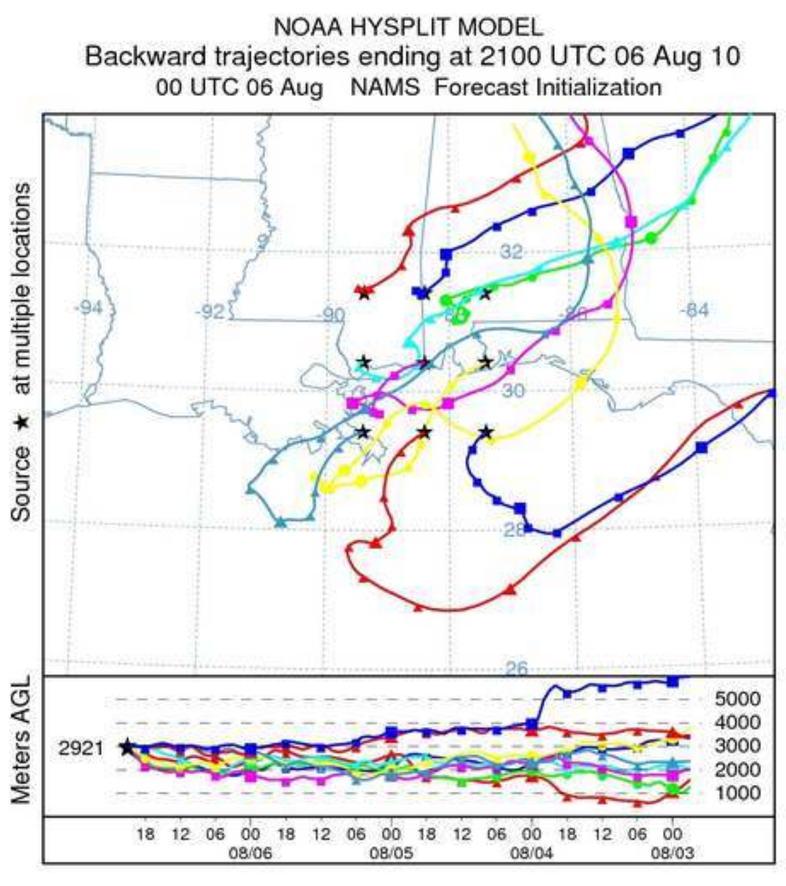

FORECAST for 2010_08_06, local hour = 16
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

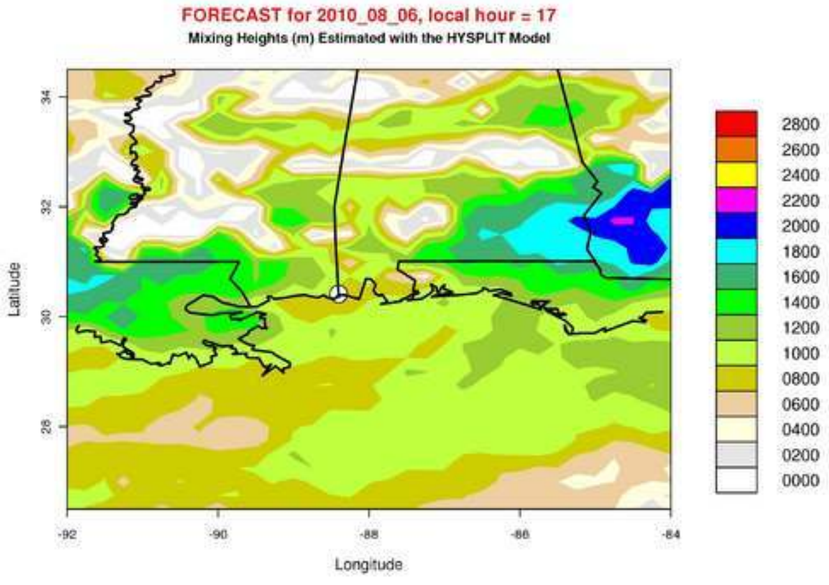

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

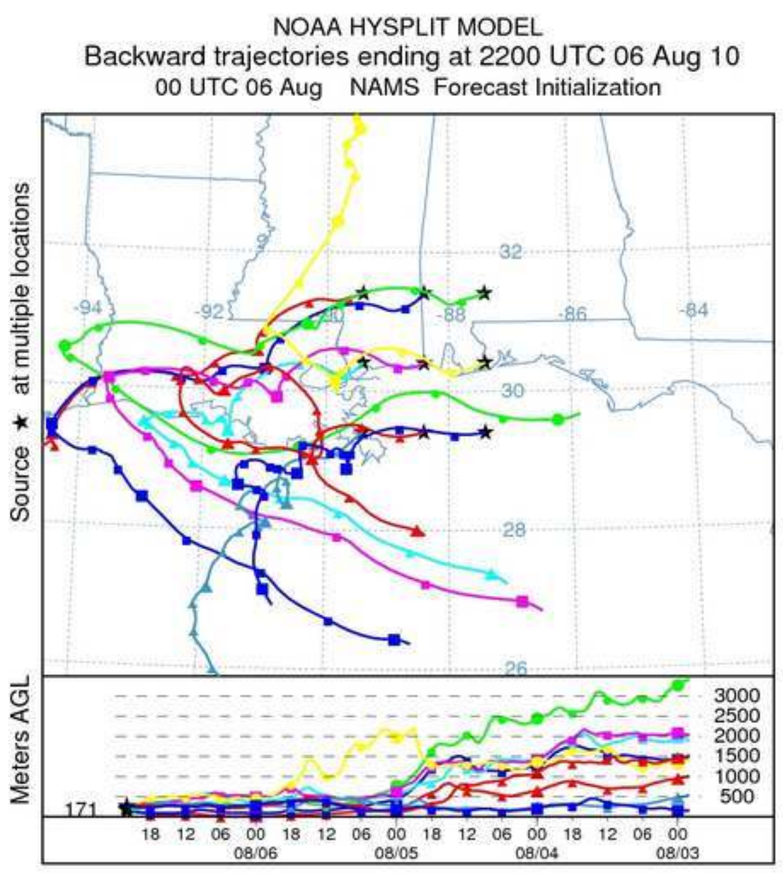

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

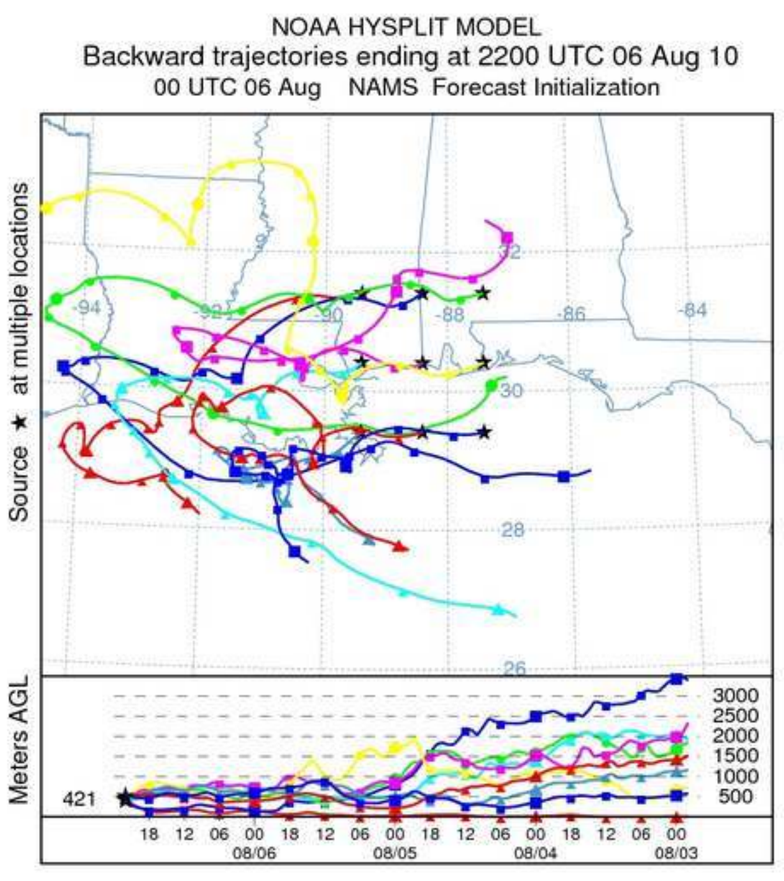

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

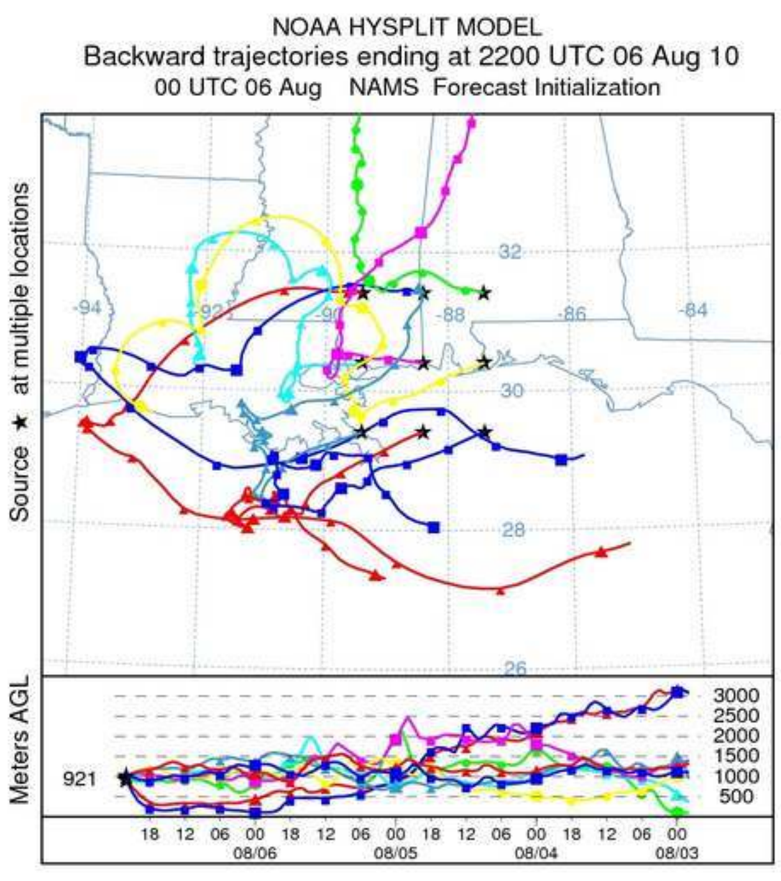

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

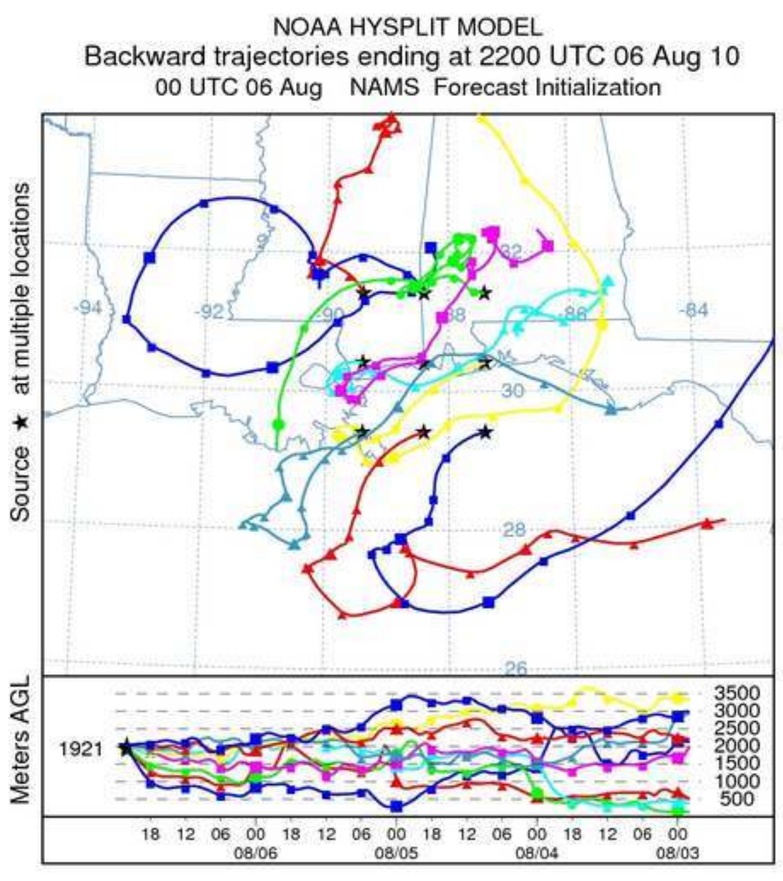

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
5000
4000
3000
2000
1000
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

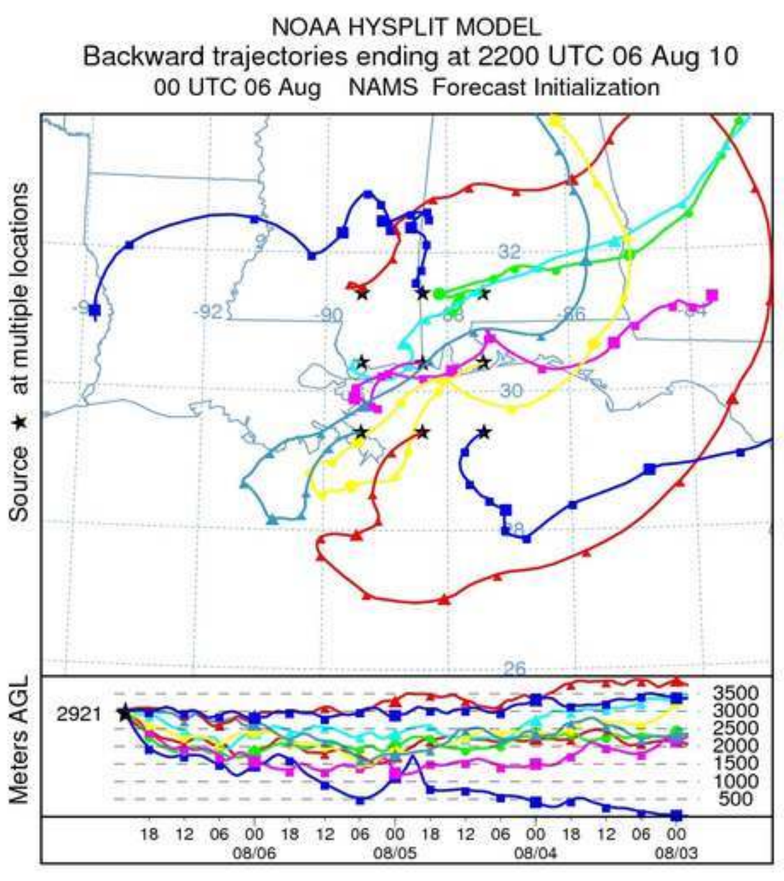

FORECAST for 2010_08_06, local hour = 17
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

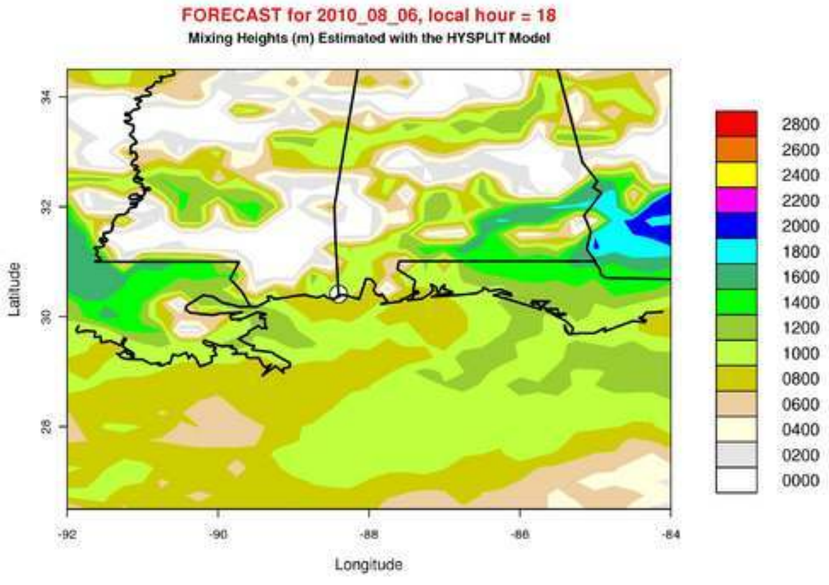

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

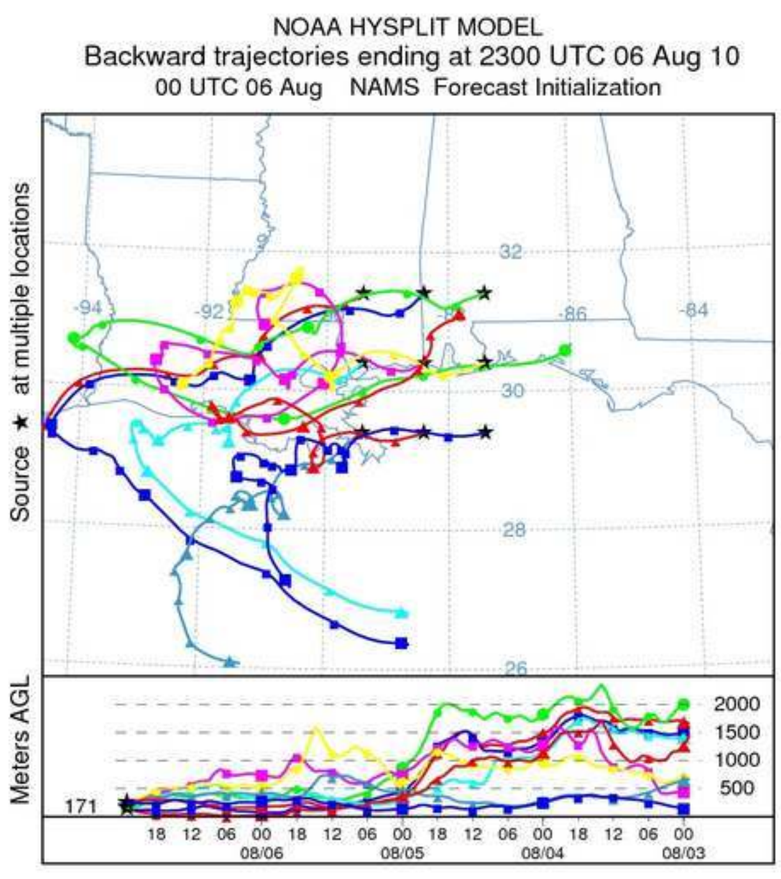

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

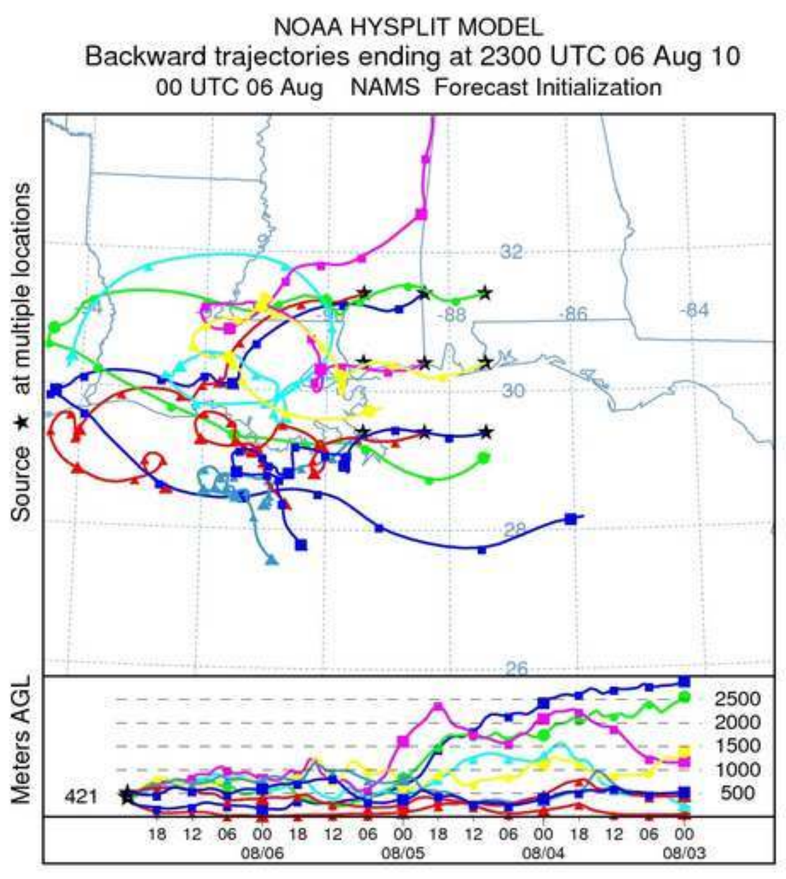

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

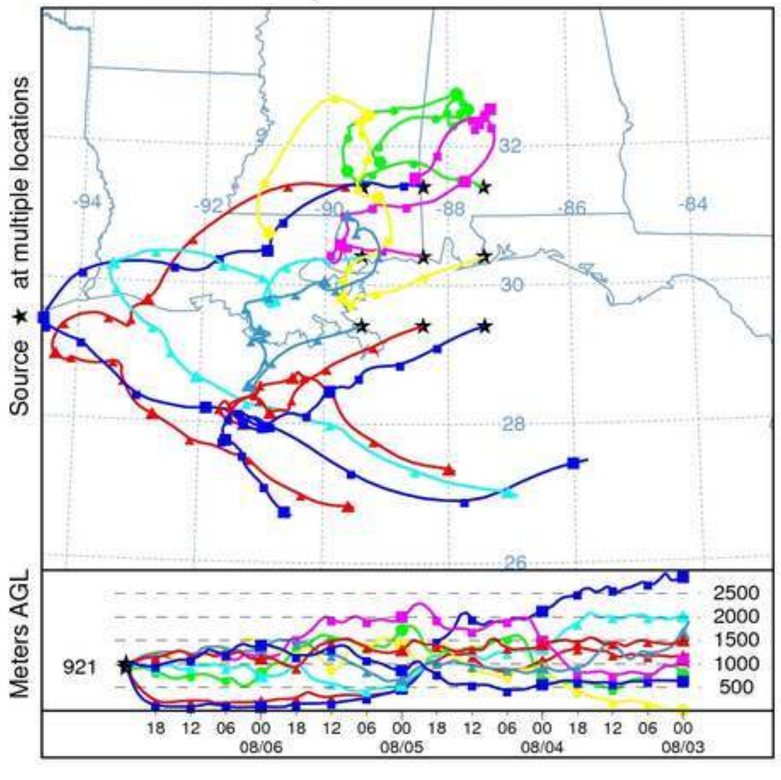

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3500
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

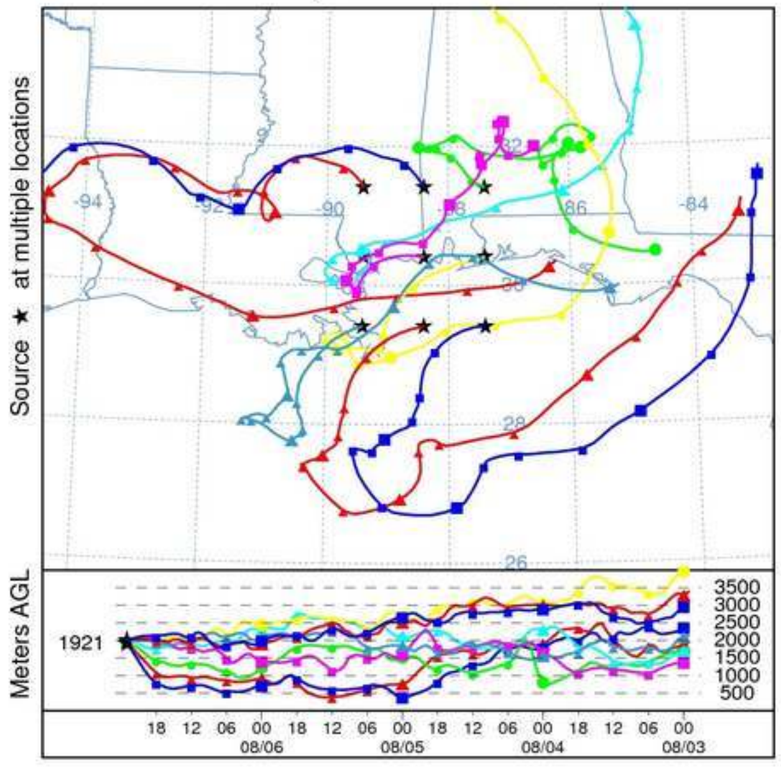

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
3500
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

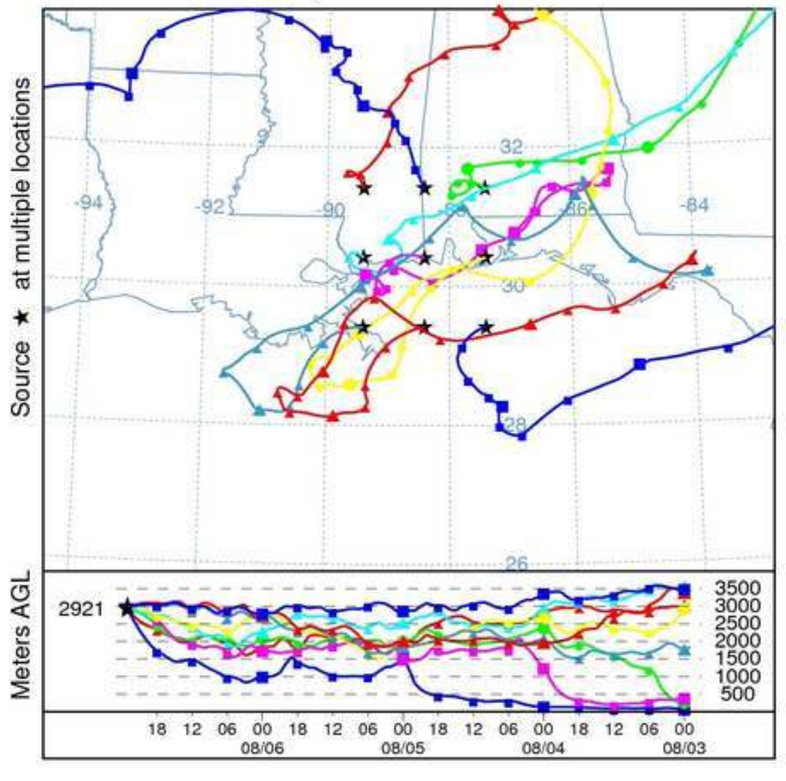

FORECAST for 2010_08_06, local hour = 18
Mixing Heights (m) Estimated with the HYSPLIT Model
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000
Latitude
Longitude

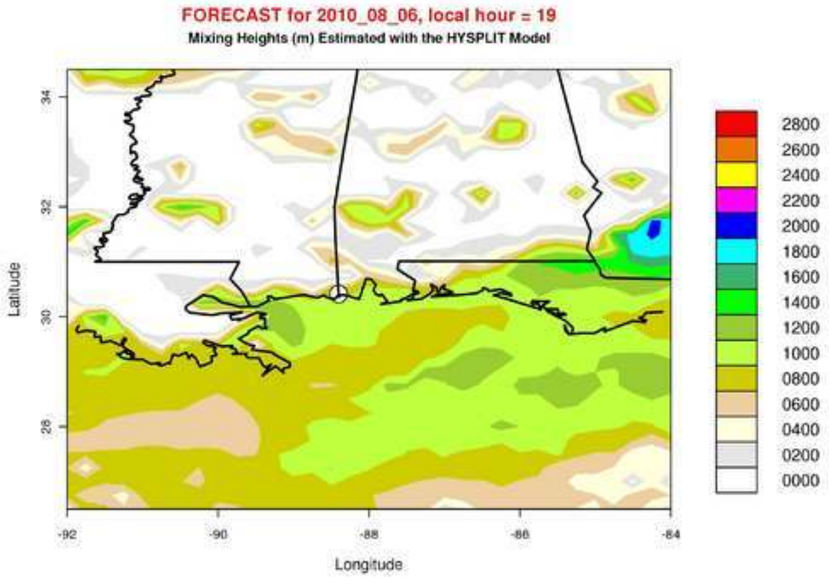

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

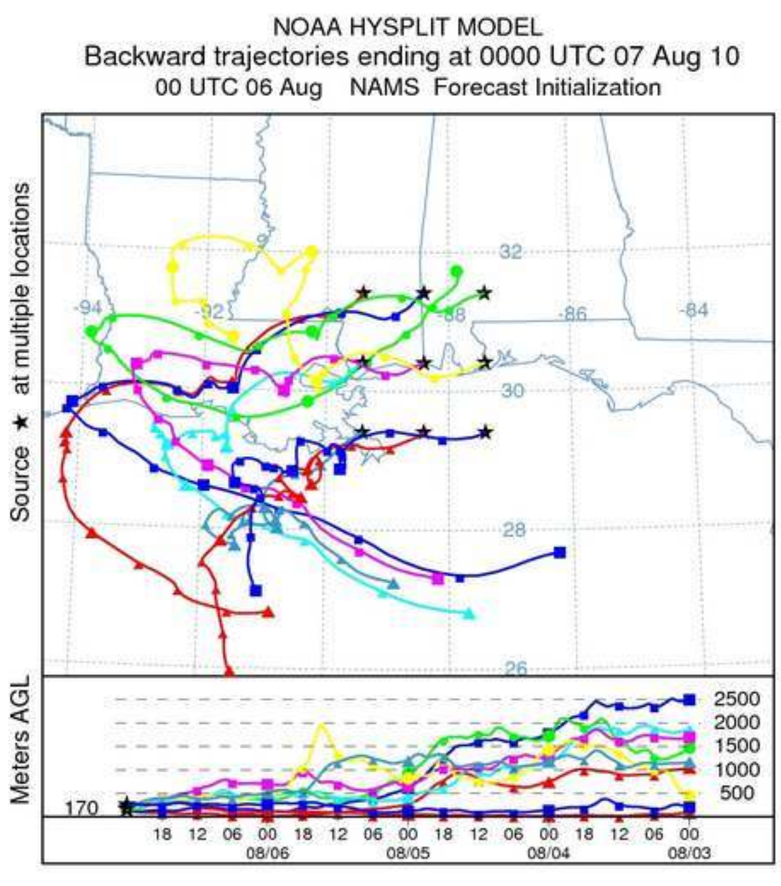

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

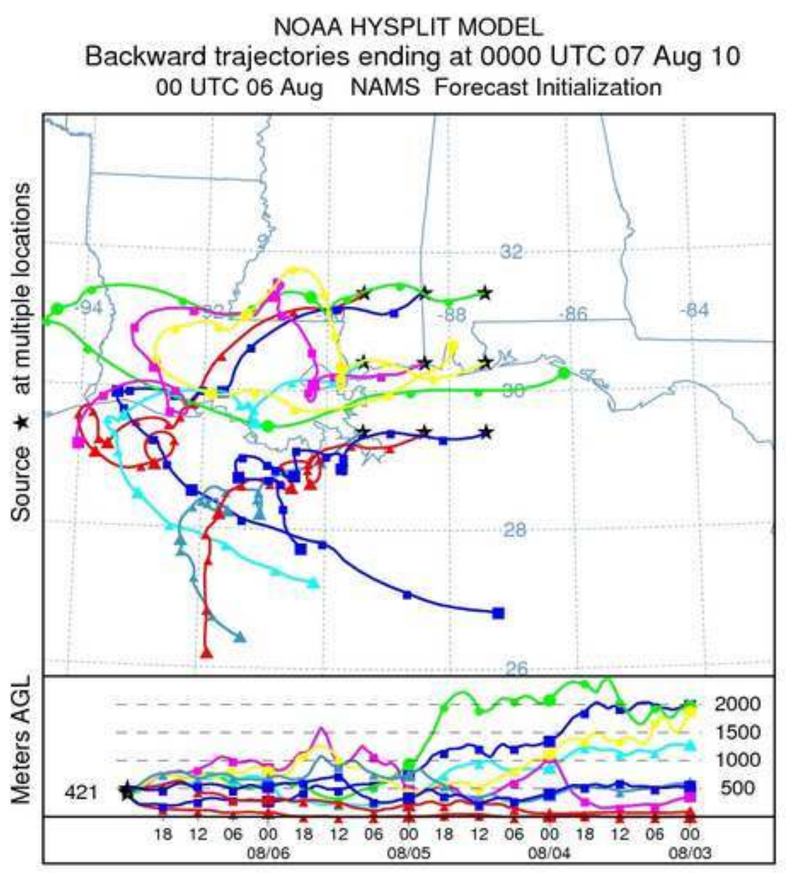

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

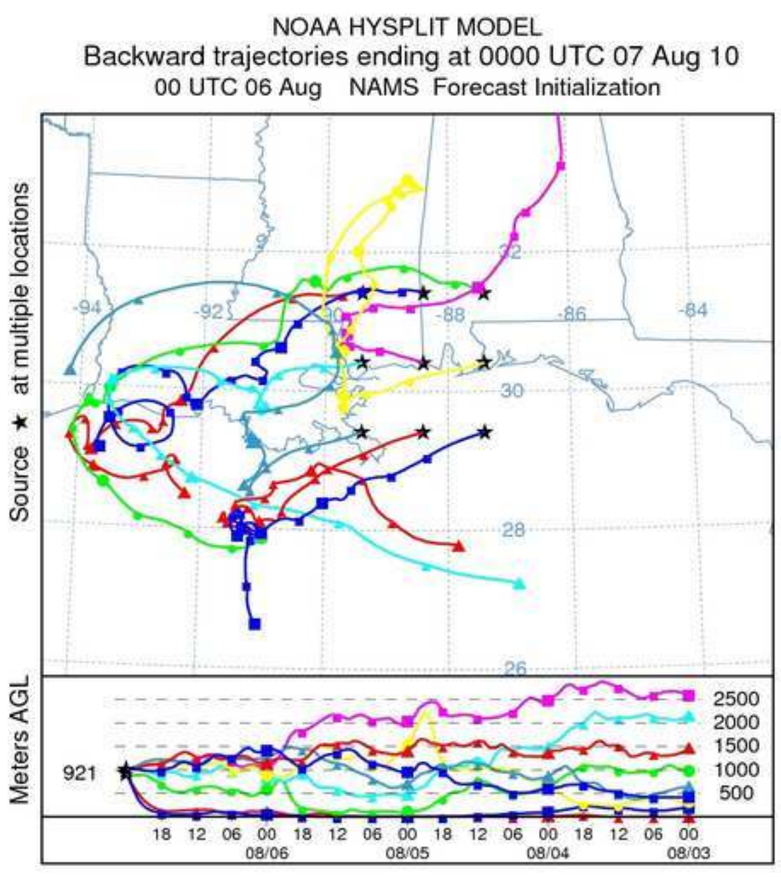

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3500
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

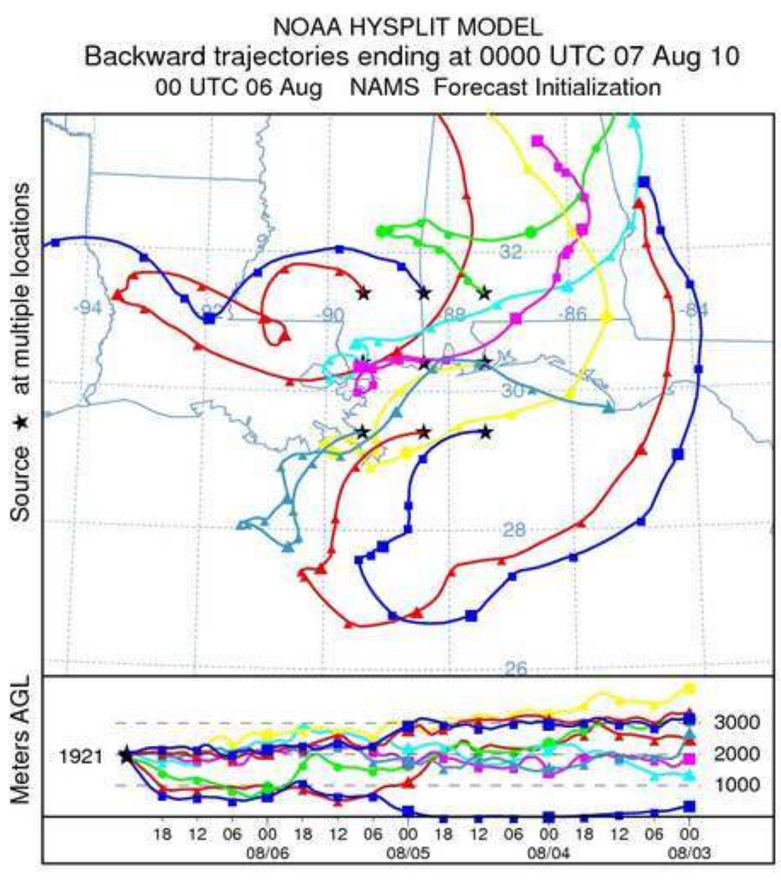

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 06 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
3500
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

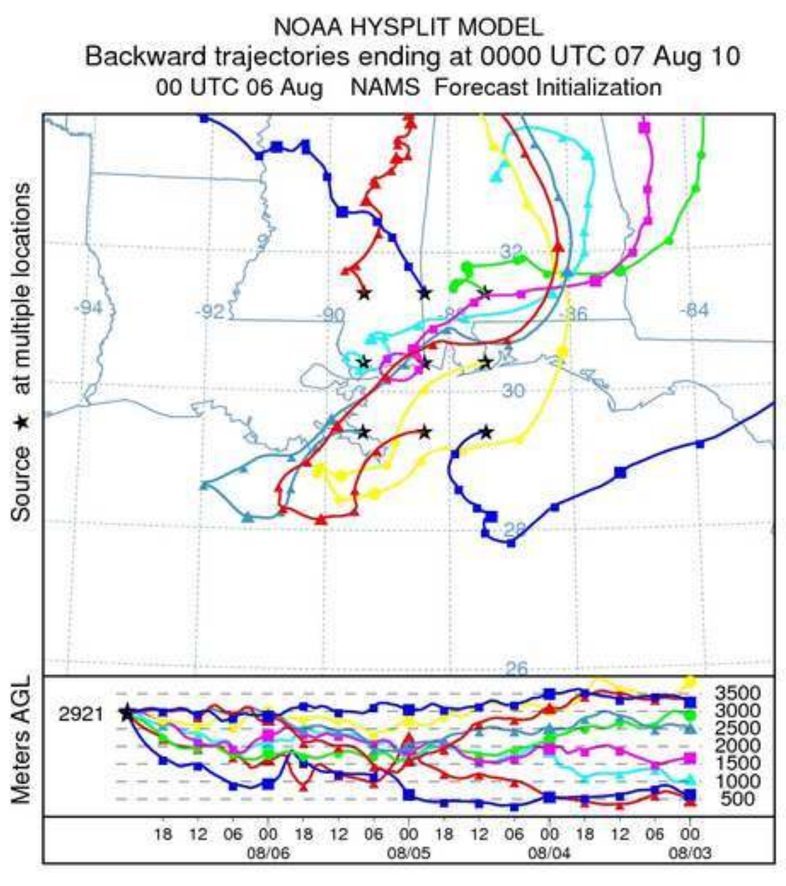

FORECAST for 2010_08_06, local hour = 19
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

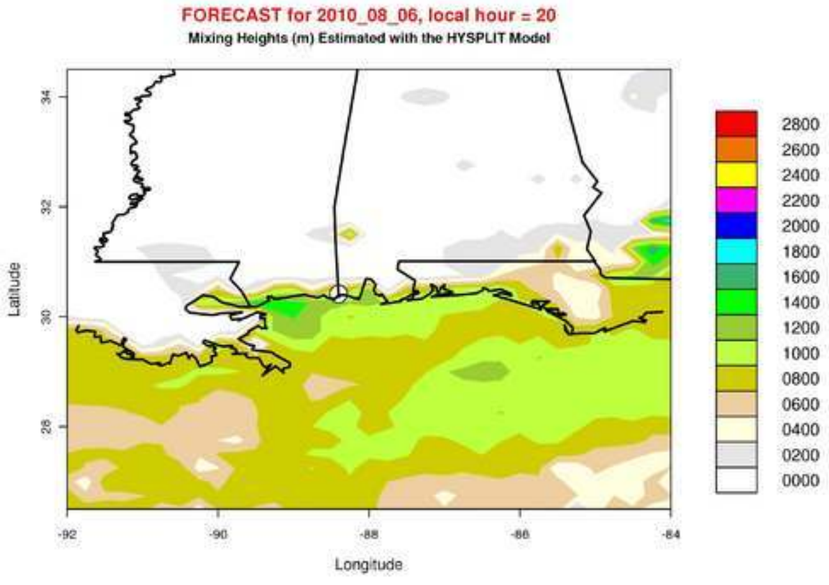

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 07 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

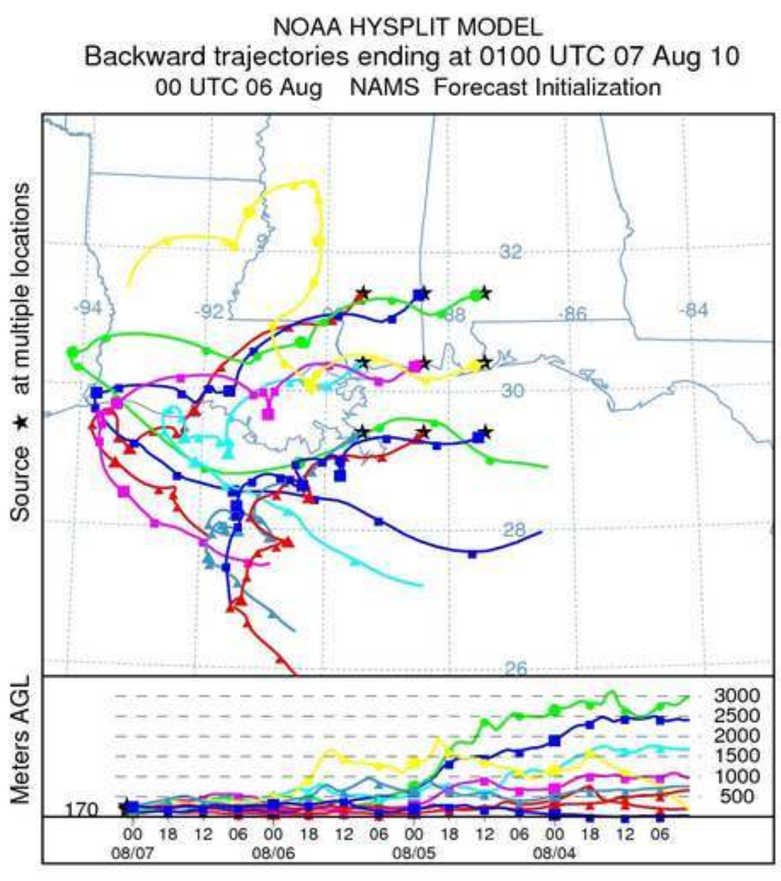

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 07 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

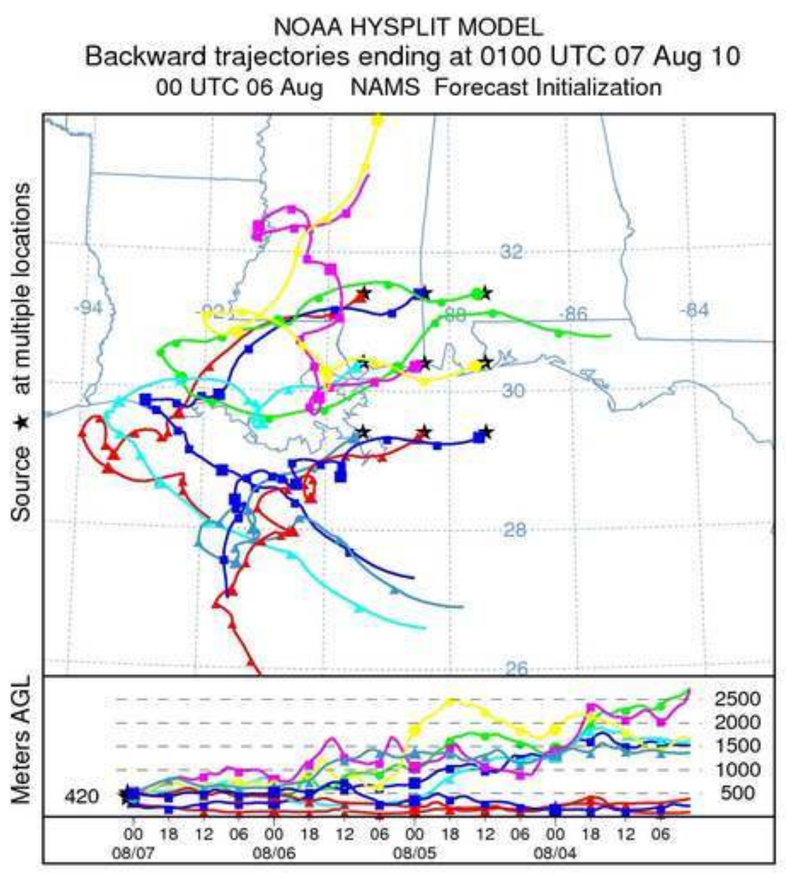

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 07 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

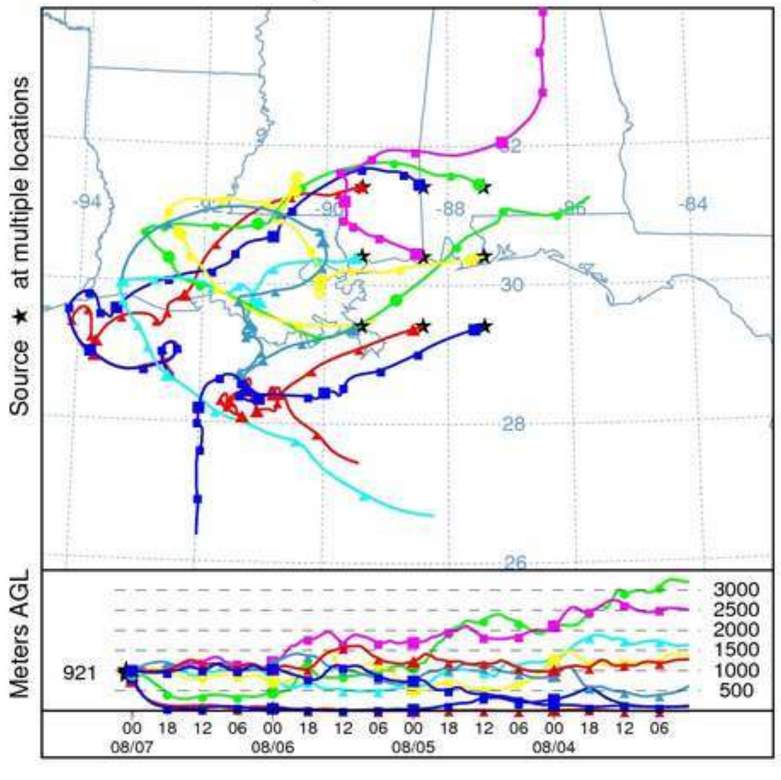

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 07 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2000
1000
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

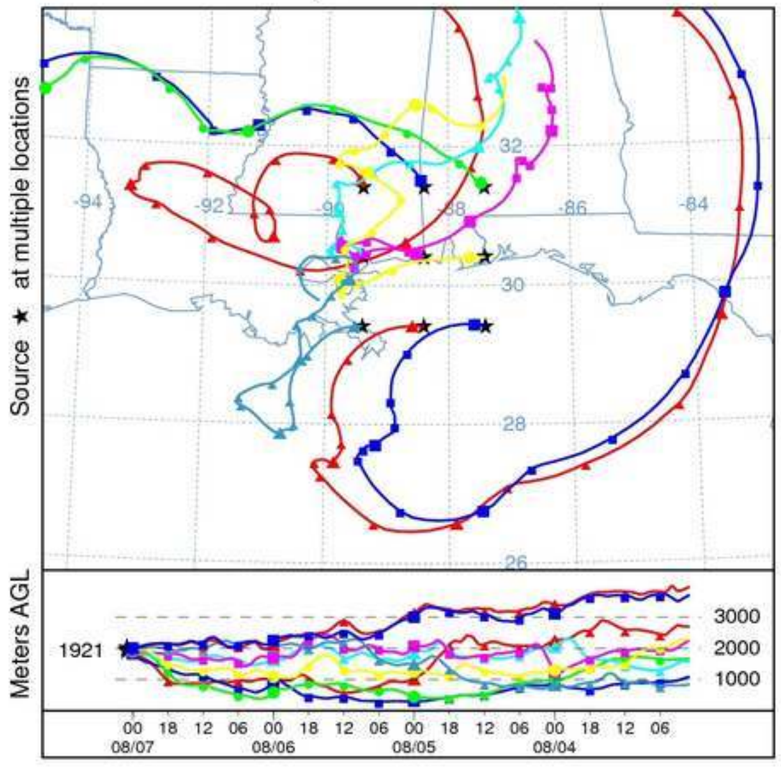

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 07 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
3500
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
08/06 08/05 08/04 08/03

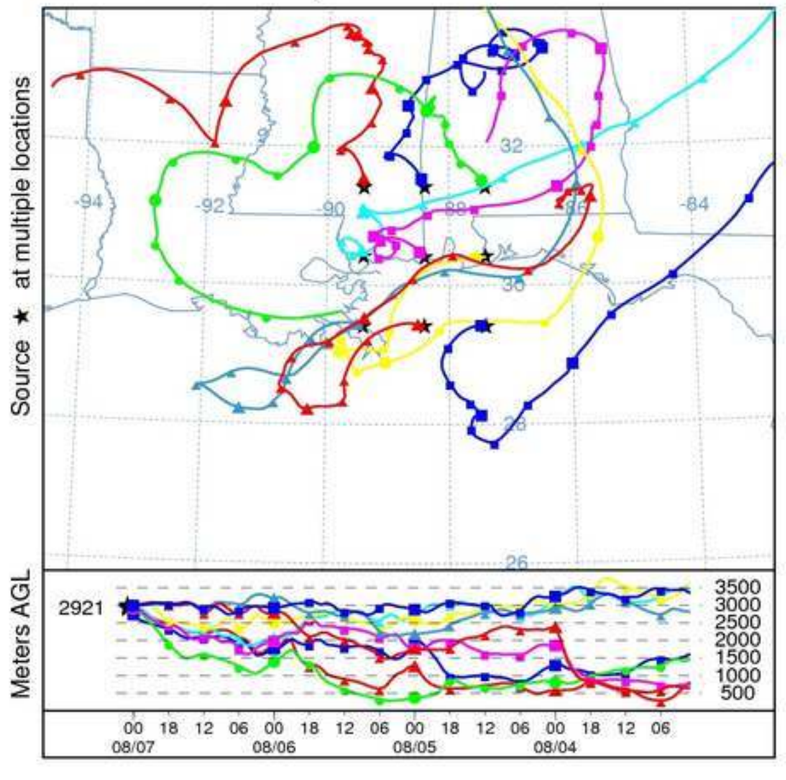

FORECAST for 2010_08_06, local hour = 20
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

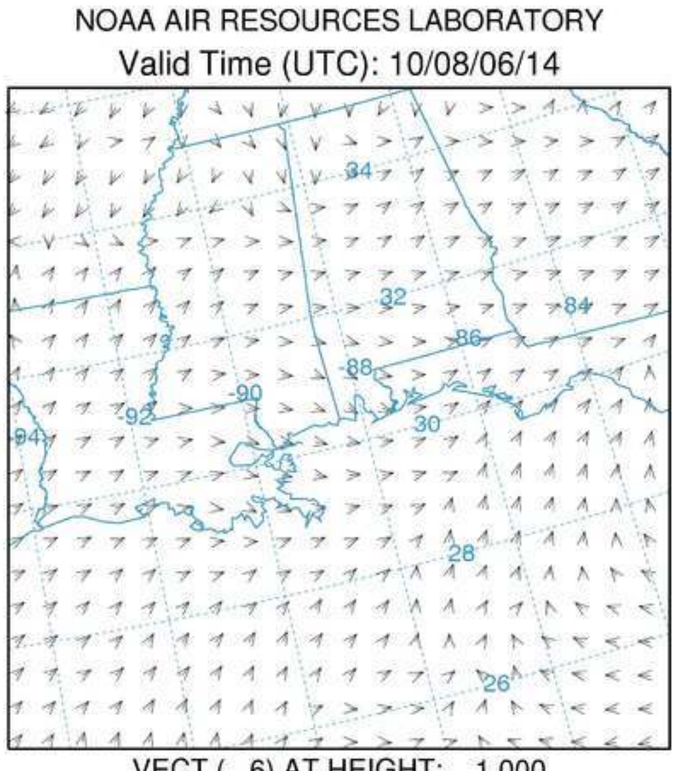

NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 07 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
3000
2500
2000
1500
1000
500
00 18 12 06 00 18 12 06 00 18 12 06 00 18 12 06
08/07 08/06 08/05 08/04


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 07 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
2500
2000
1500
1000
500
00 18 12 06 00 18 12 06 00 18 12 06 00 18 12 06
08/07 08/06 08/05 08/04


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 07 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3000
2500
2000
1500
1000
500
00 18 12 06 00 18 12 06 00 18 12 06 00 18 12 06
08/07 08/06 08/05 08/04

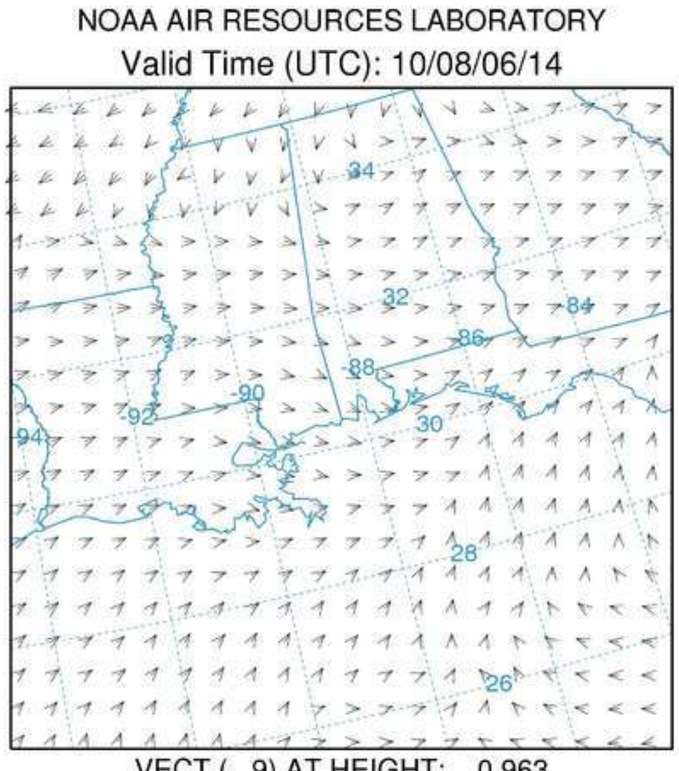

NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 07 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2000
1000
00 18 12 06 00 18 12 06 00 18 12 06 00 18 12 06
08/07 08/06 08/05 08/04


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 07 Aug 10
00 UTC 06 Aug NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
3500
3000
2500
2000
1500
1000
500
00 18 12 06 00 18 12 06 00 18 12 06 00 18 12 06
08/07 08/06 08/05 08/04



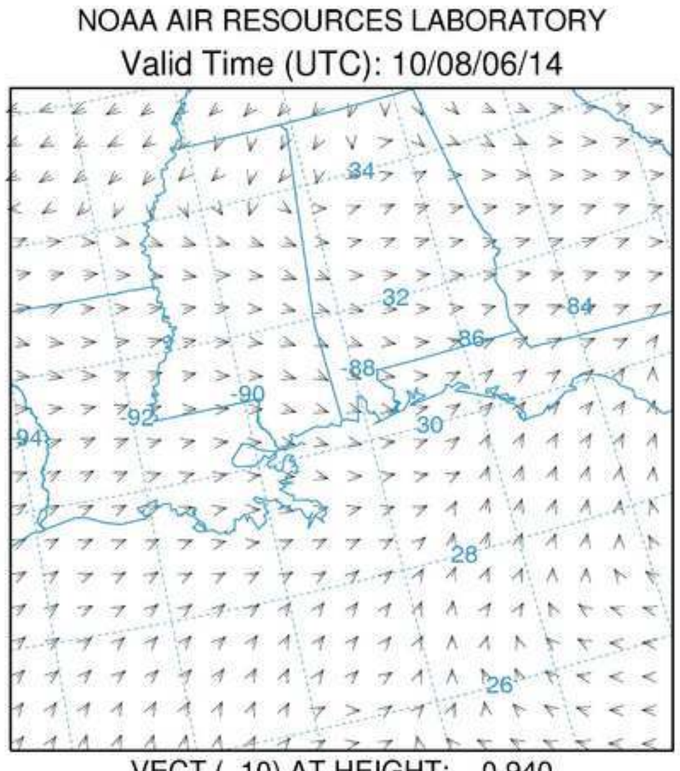
VECT (6) AT HEIGHT: 1.000

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



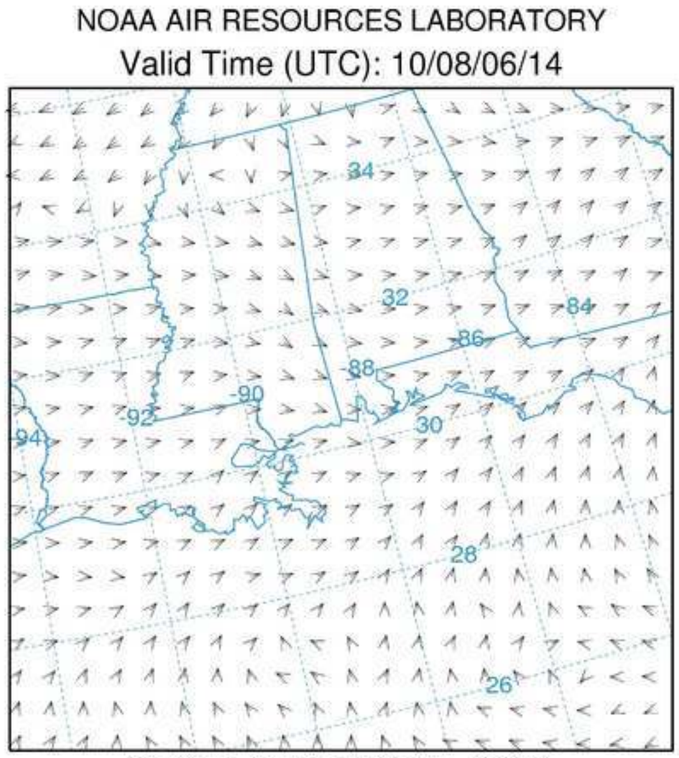
VECT (9) AT HEIGHT: 0.963

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



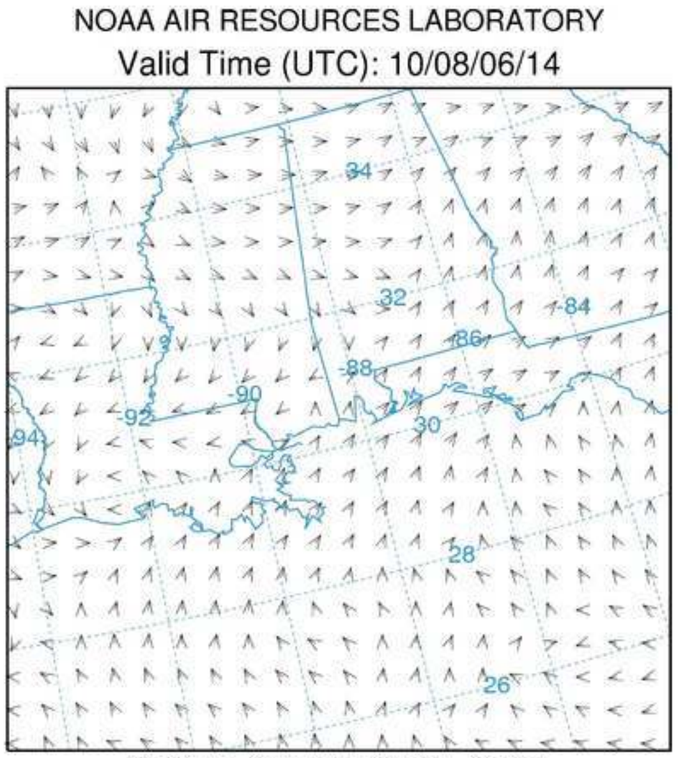
VECT (10) AT HEIGHT: 0.940

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



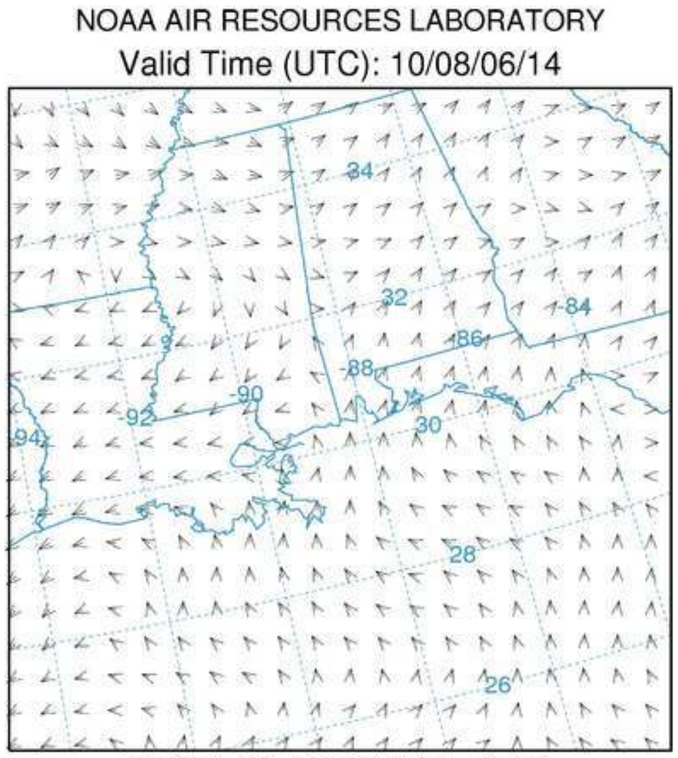
VECT (8) AT HEIGHT: 0.904

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



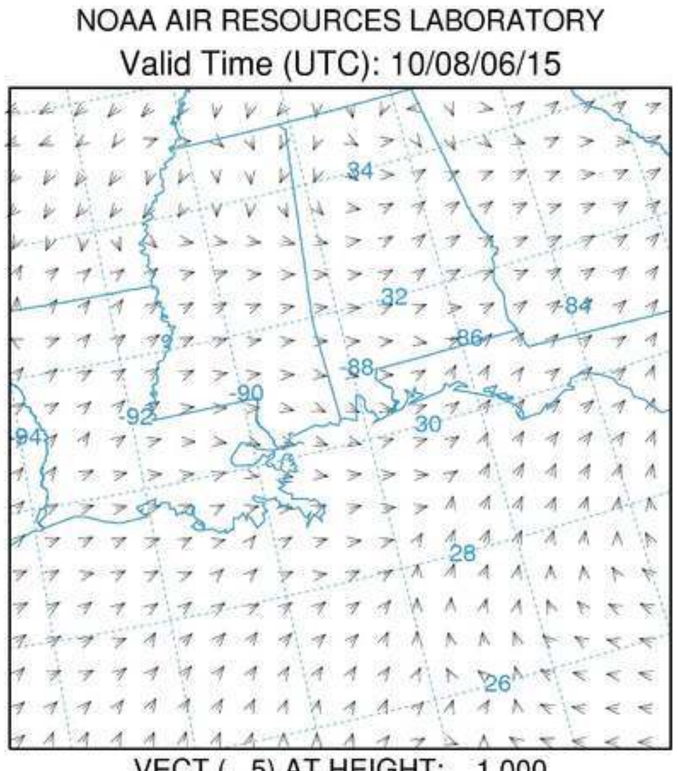
VECT (8) AT HEIGHT: 0.826

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

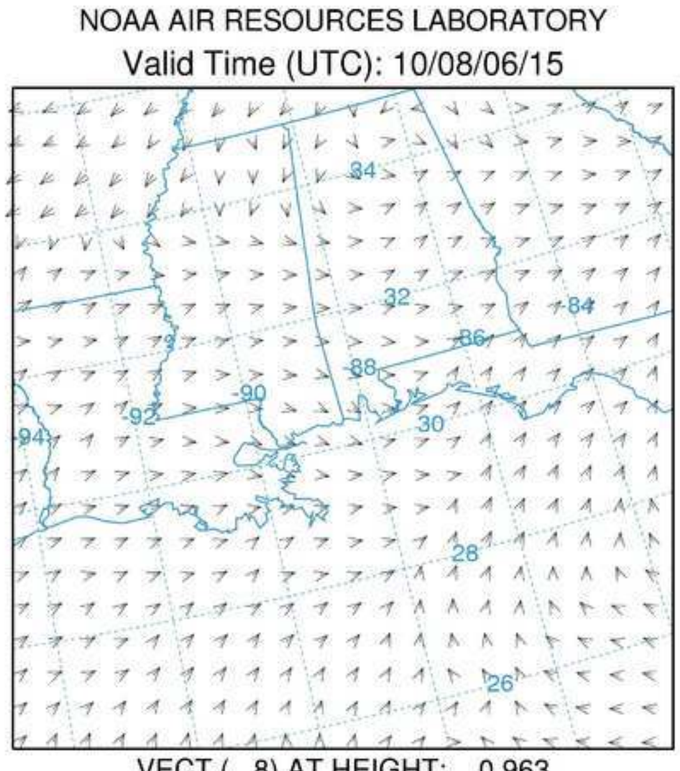


VECT (10) AT HEIGHT: 0.718

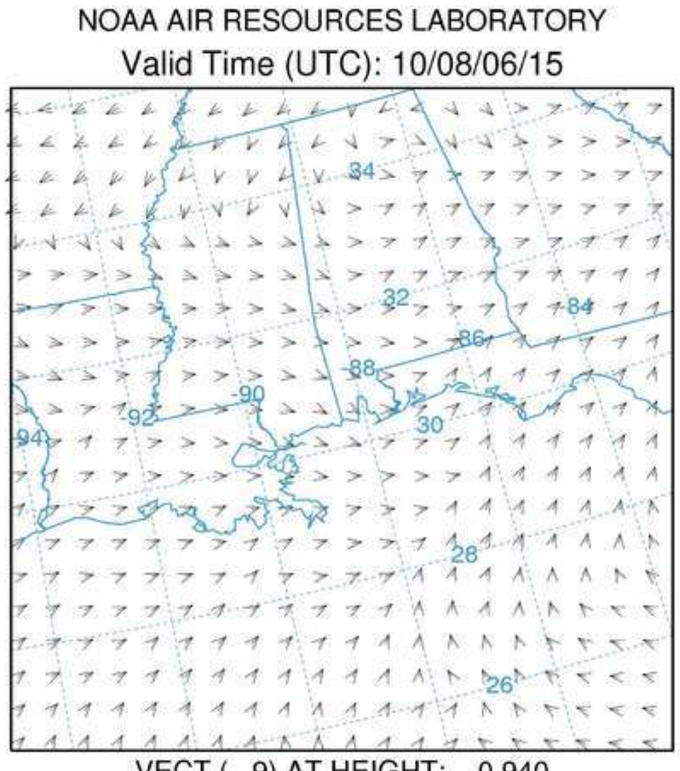
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters



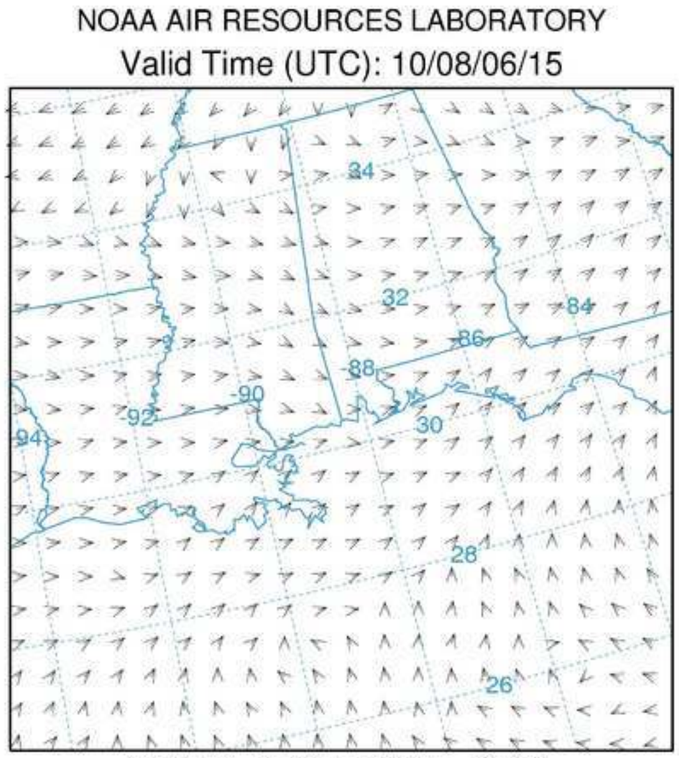
Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)



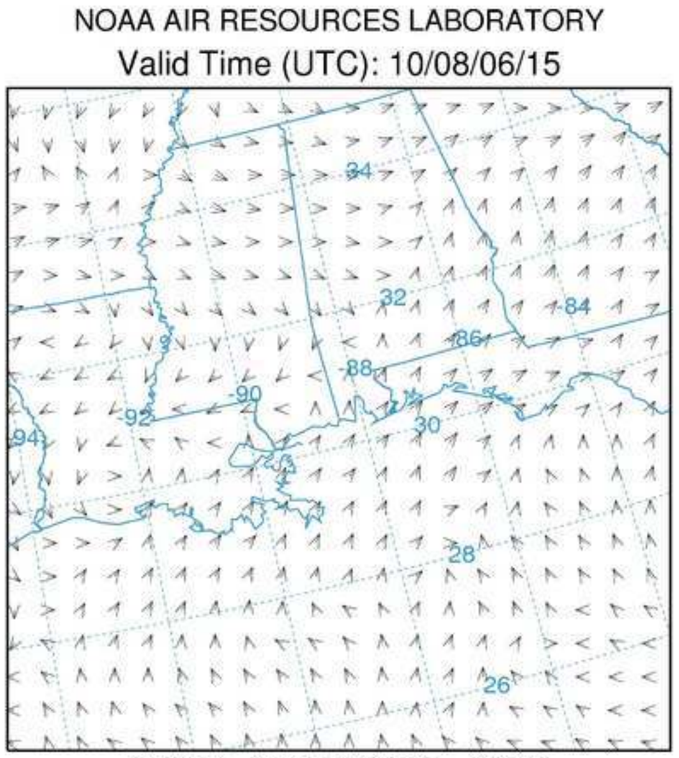
Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters



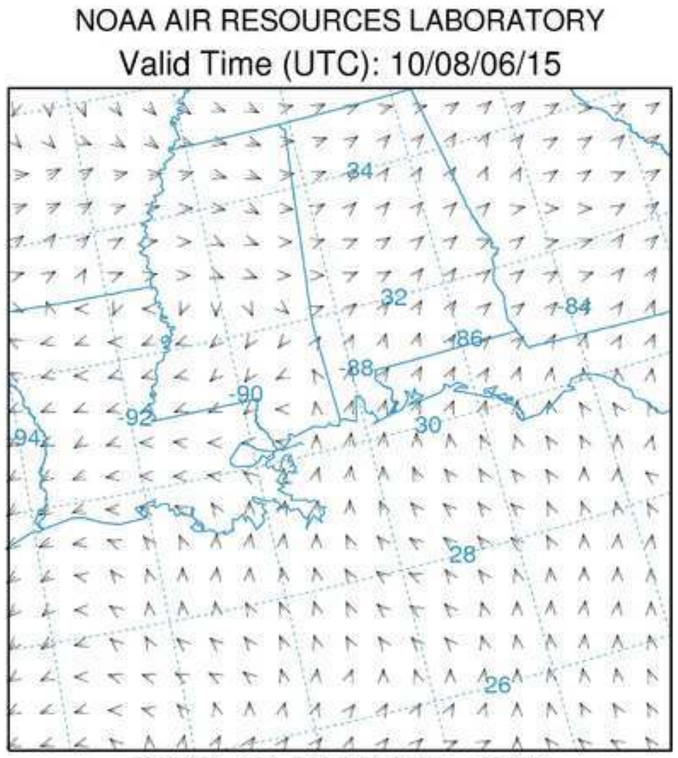
Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters



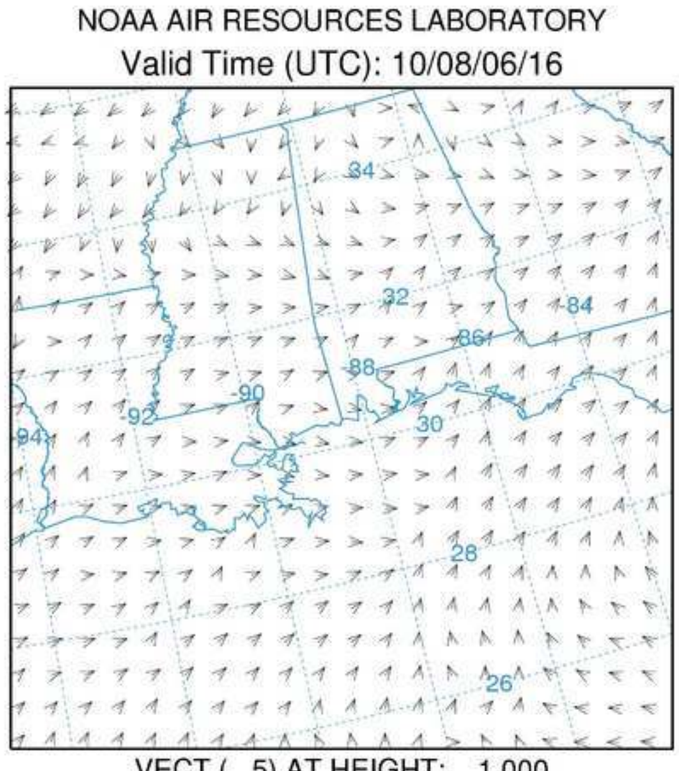
Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters



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

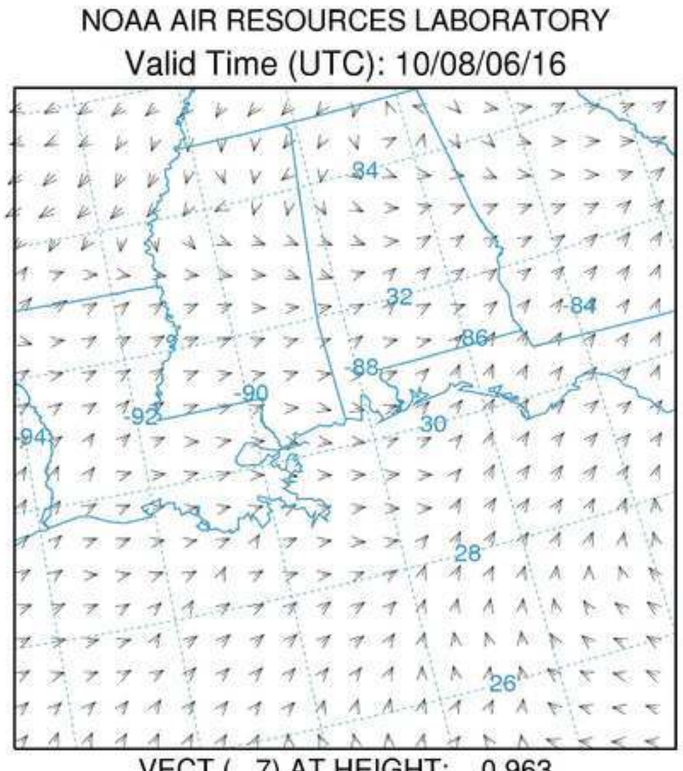


Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters



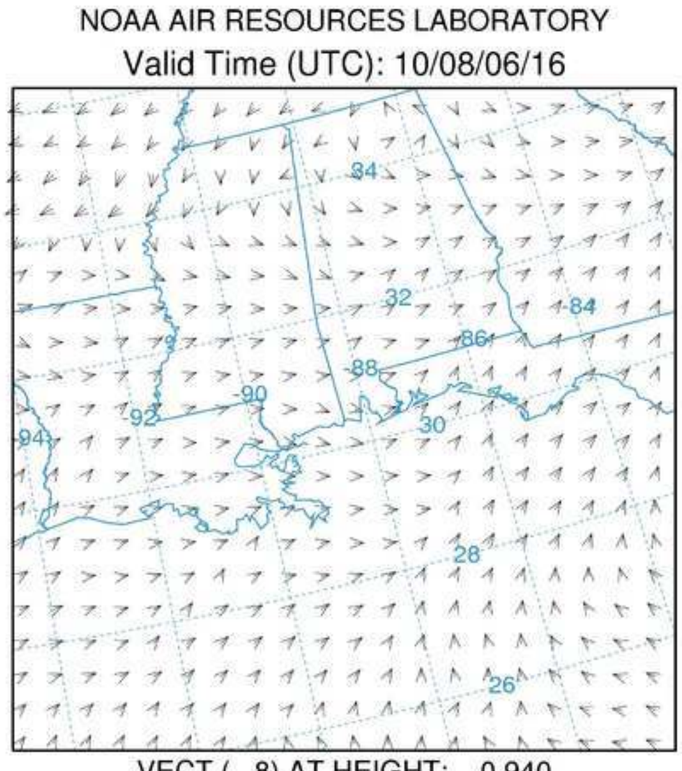
VECT (5) AT HEIGHT: 1.000

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



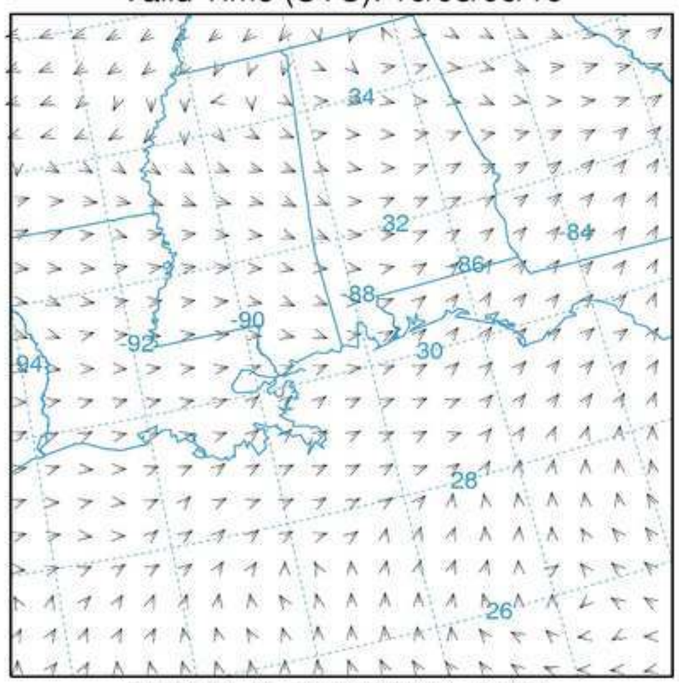
VECT (7) AT HEIGHT: 0.963

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



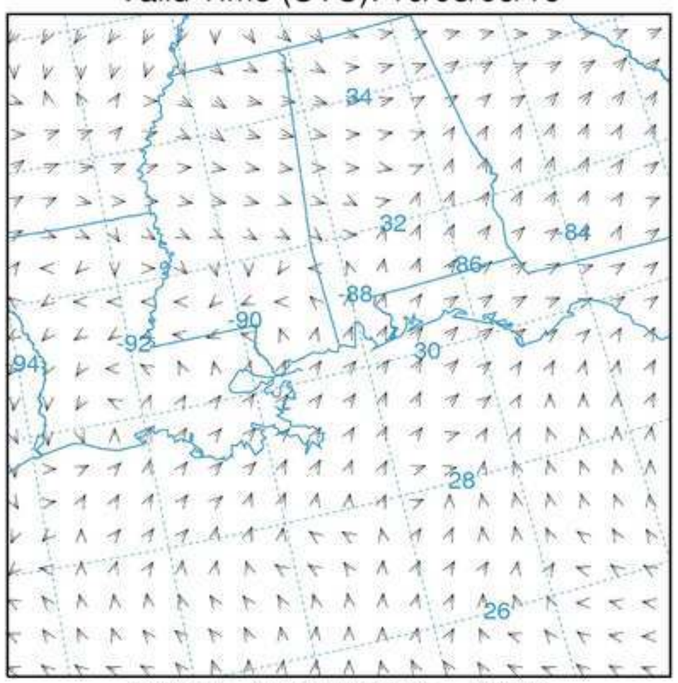
VECT (8) AT HEIGHT: 0.940

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



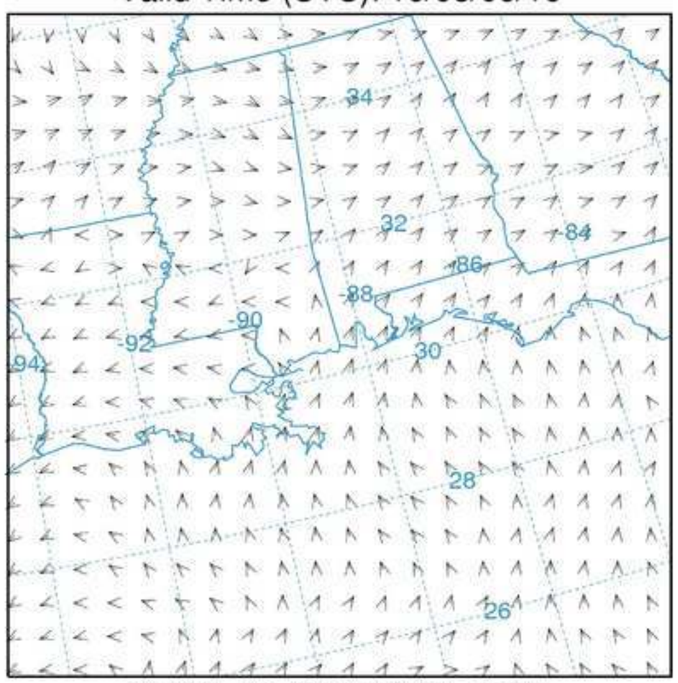
VECT (8) AT HEIGHT: 0.904

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



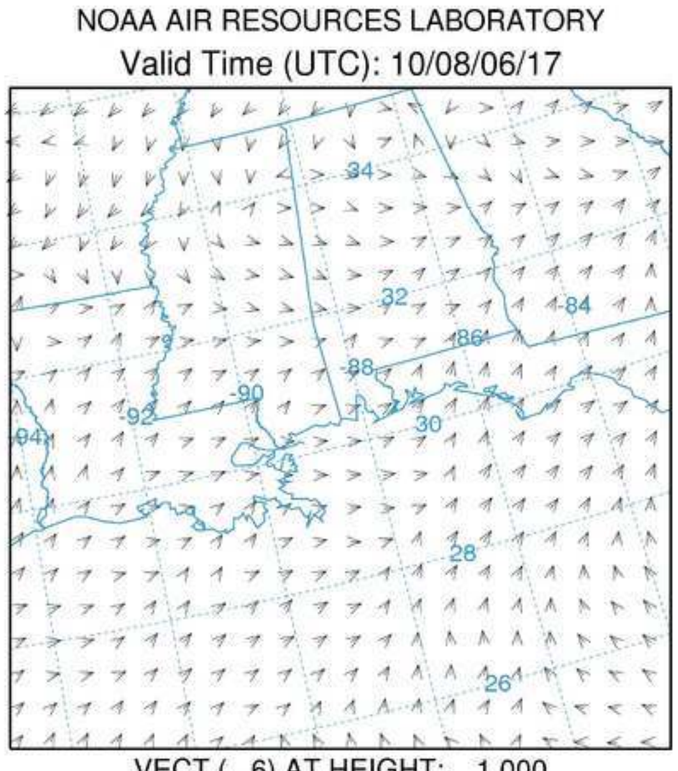
VECT (8) AT HEIGHT: 0.826

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

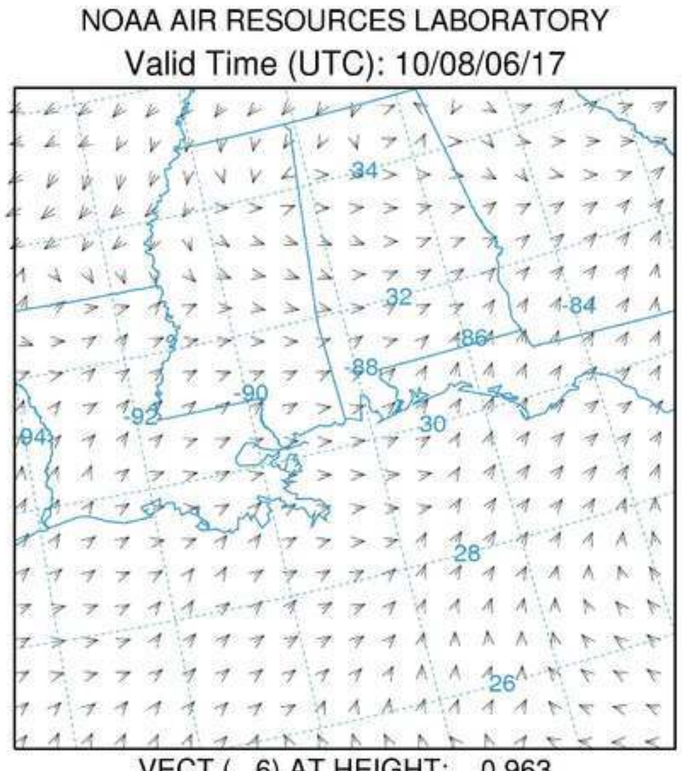


VECT (12) AT HEIGHT: 0.718

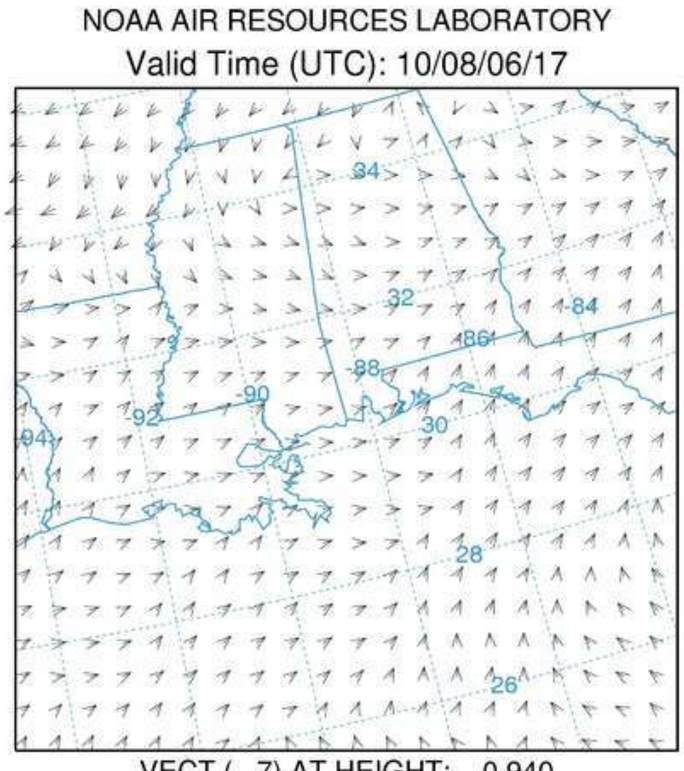
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters



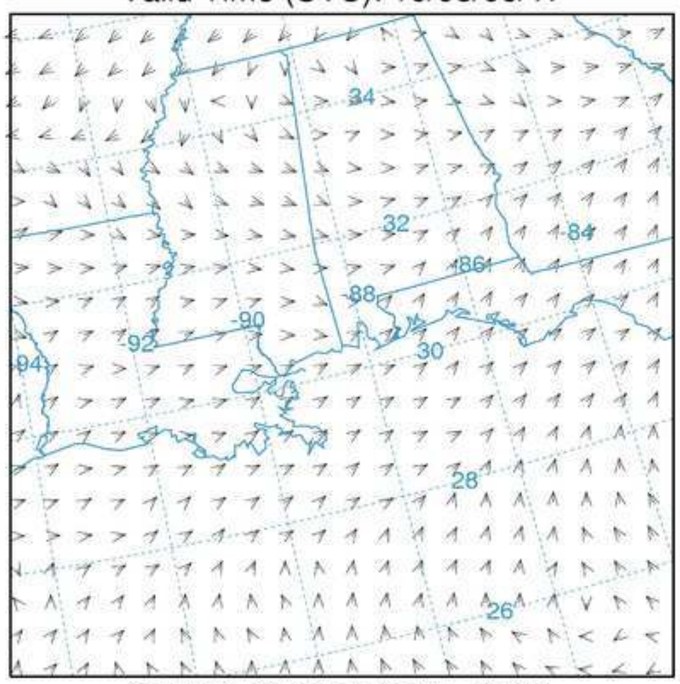
Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)



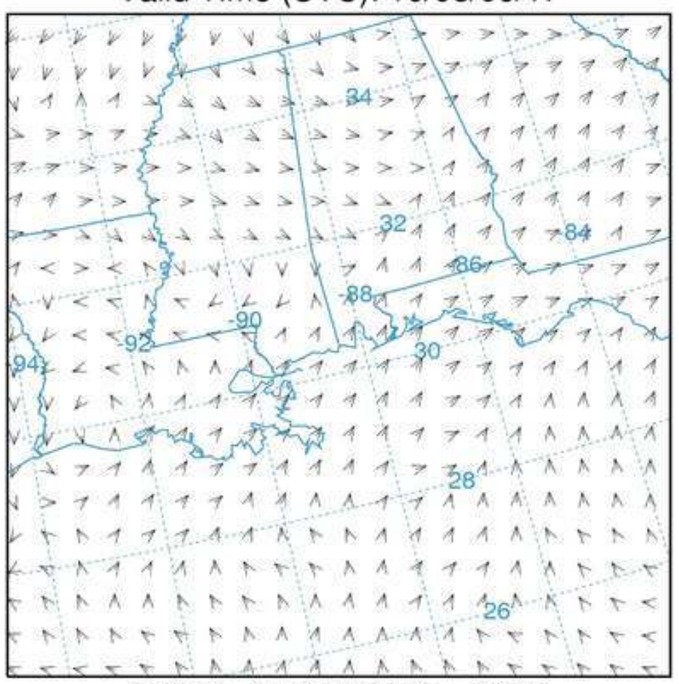
Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters



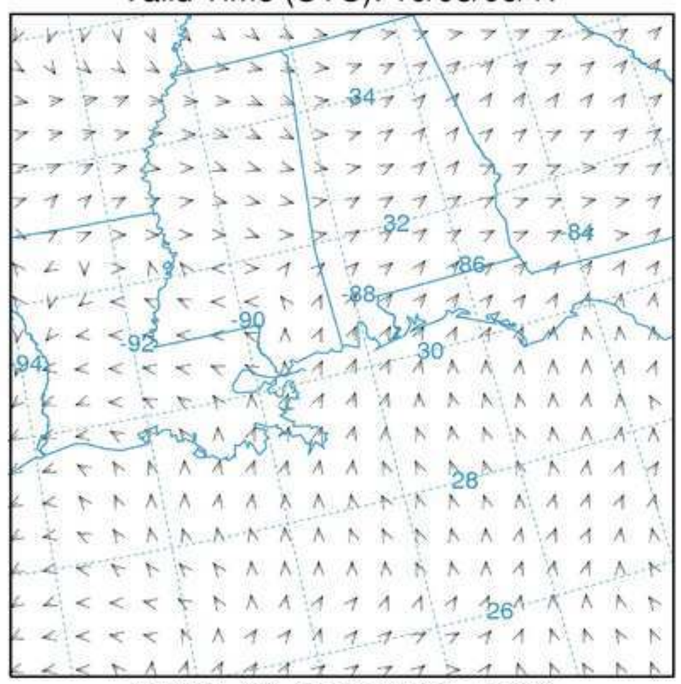
Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters



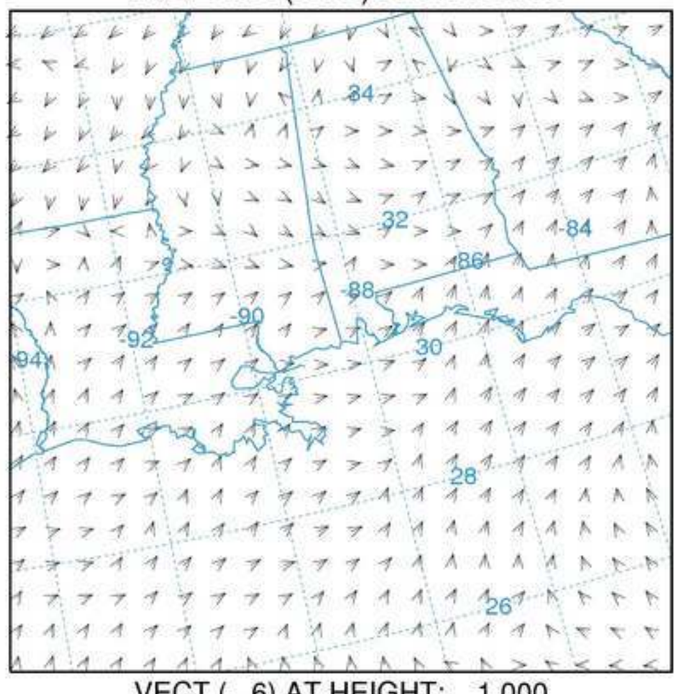
Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters



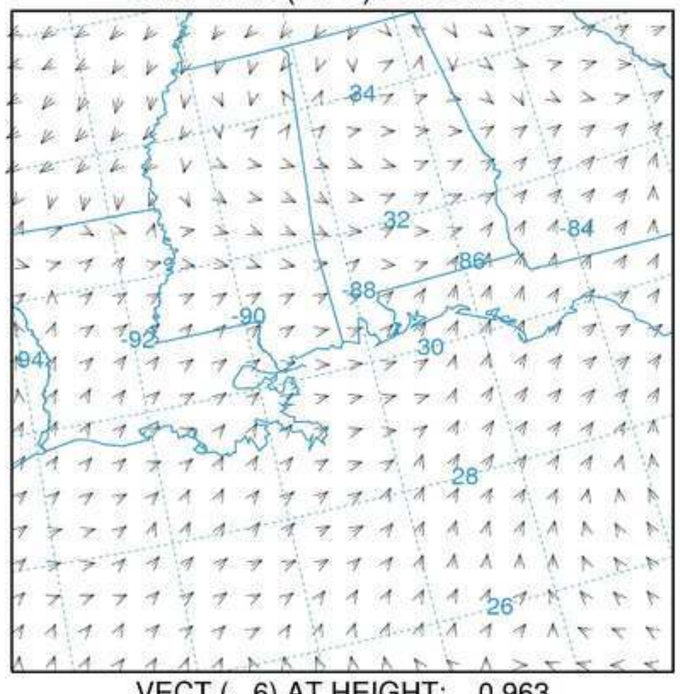
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters



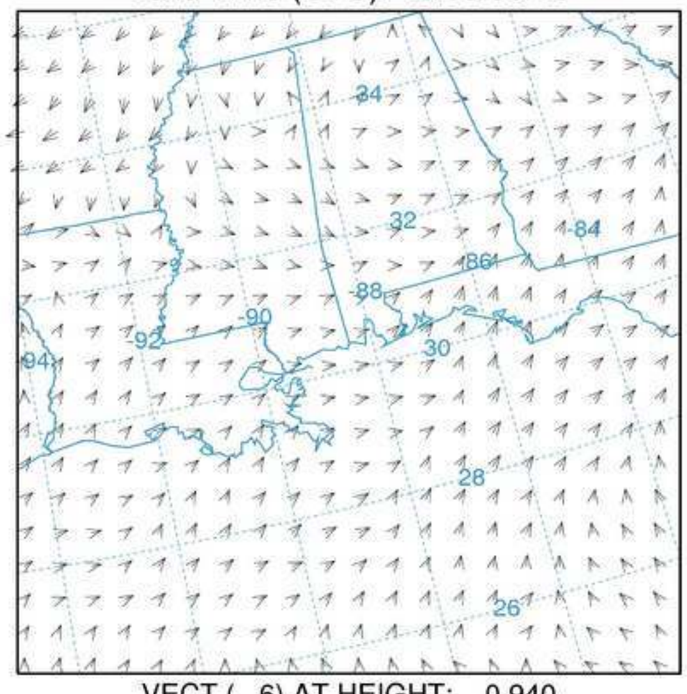
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters



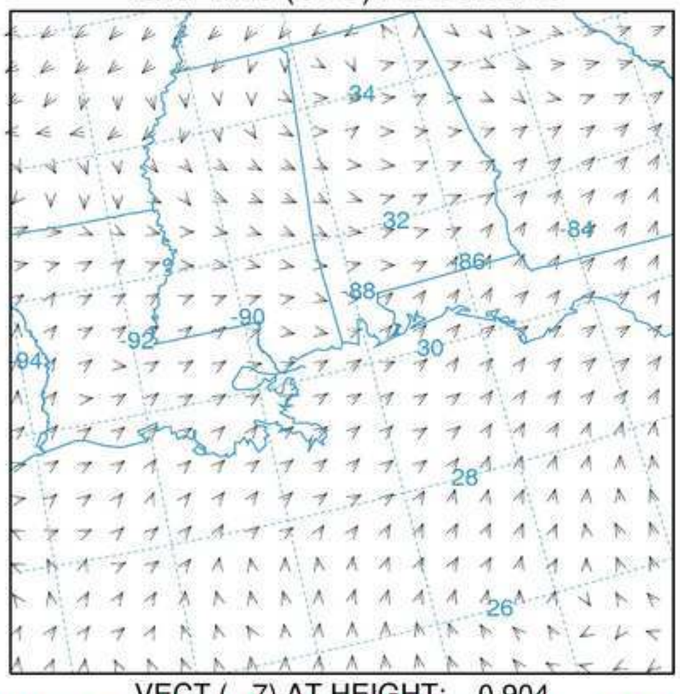
Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)



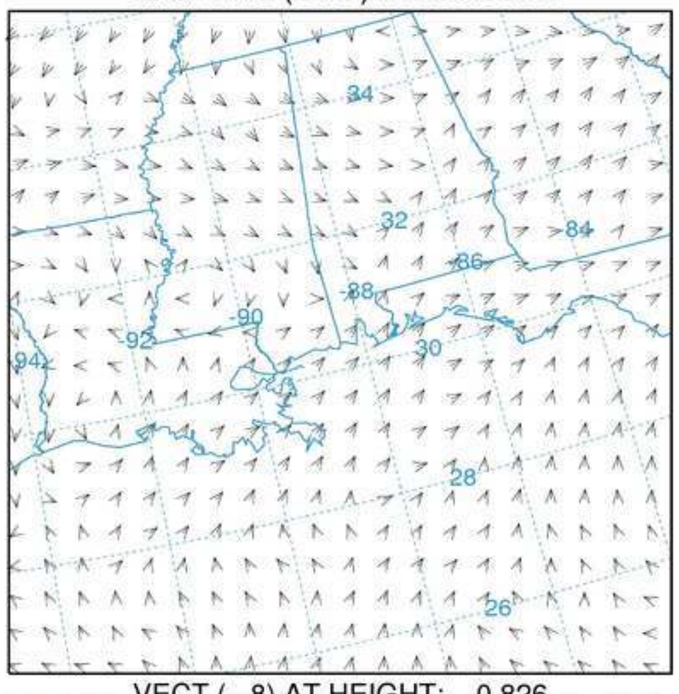
Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters



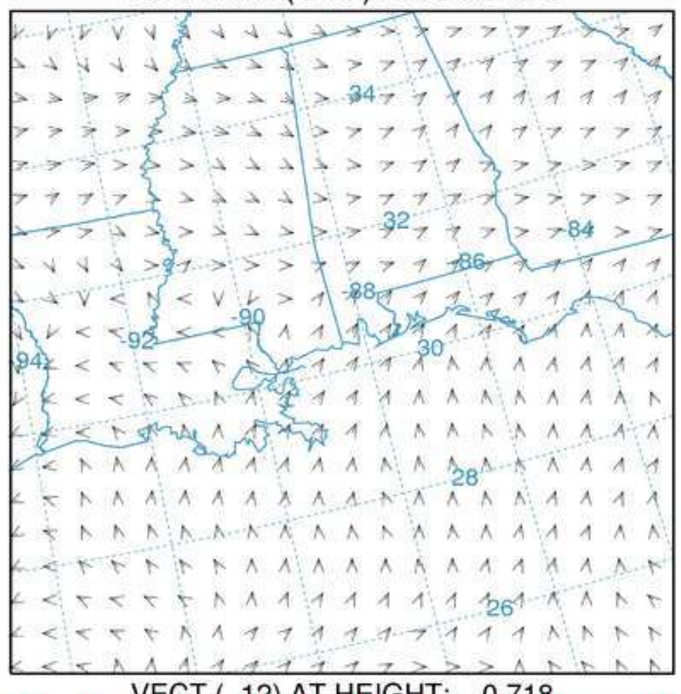
Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters



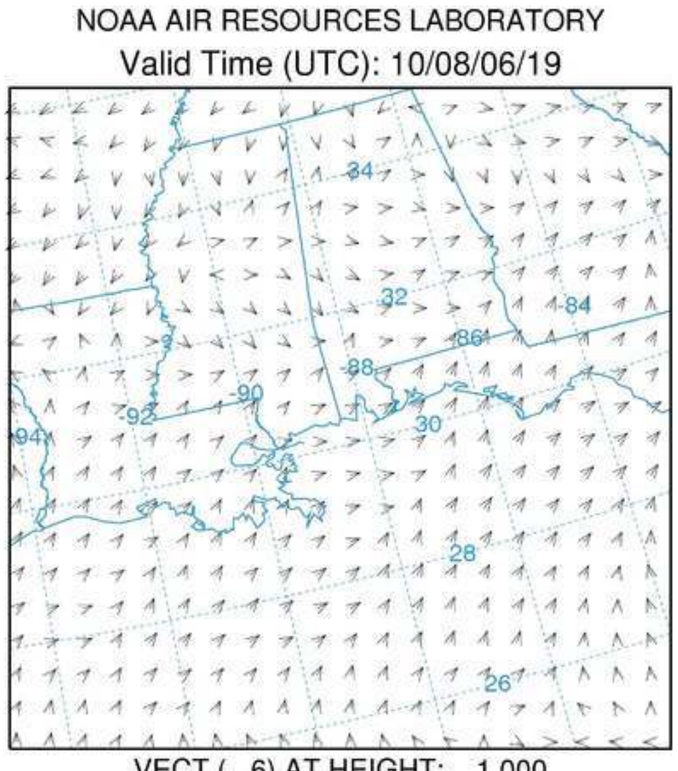
Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters



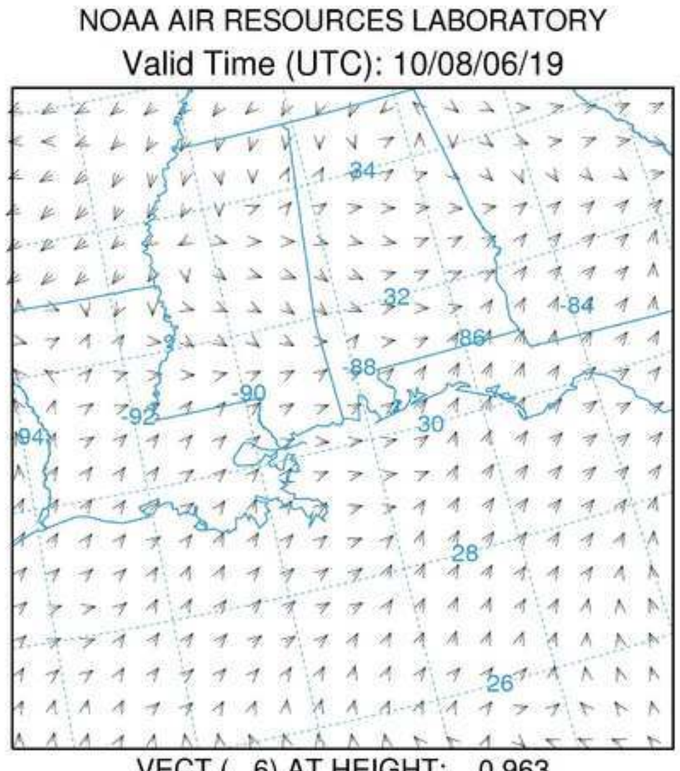
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters



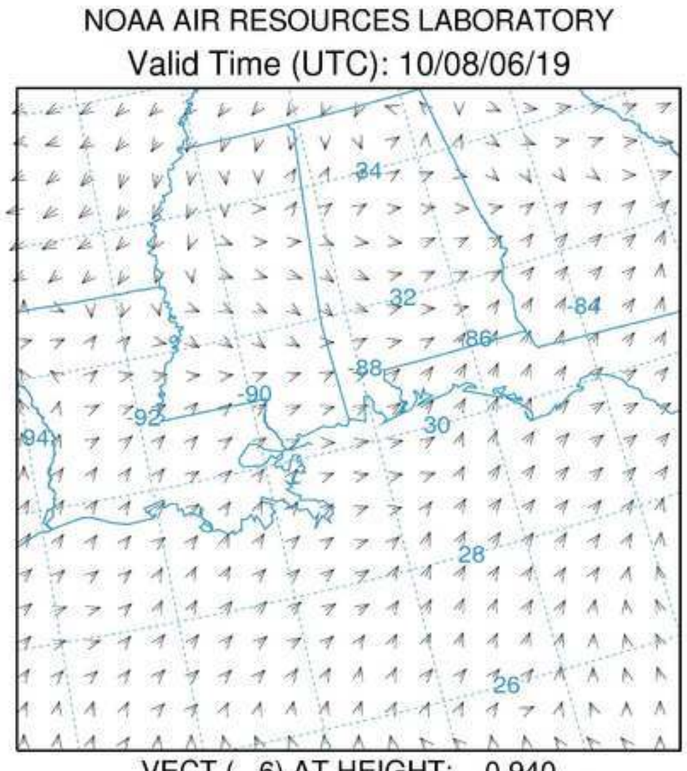
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters



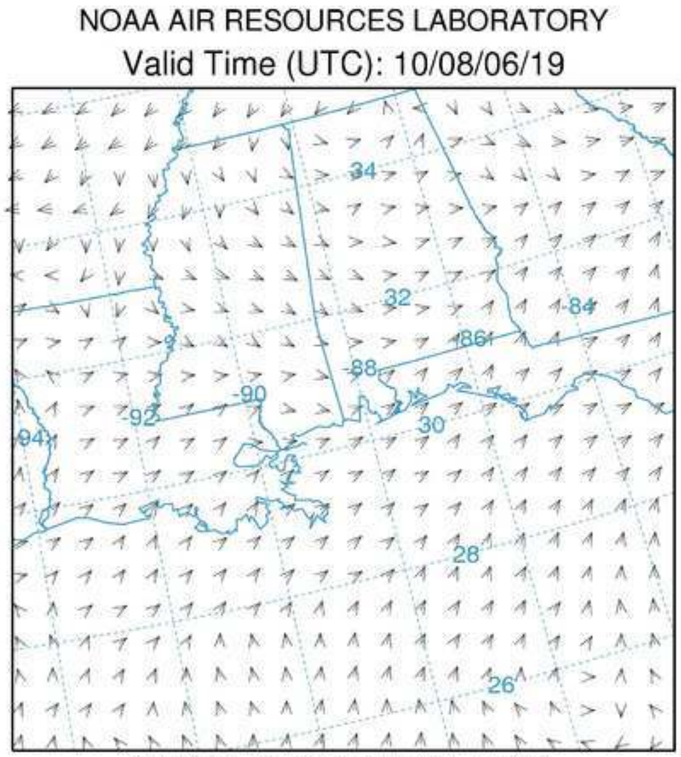
Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)



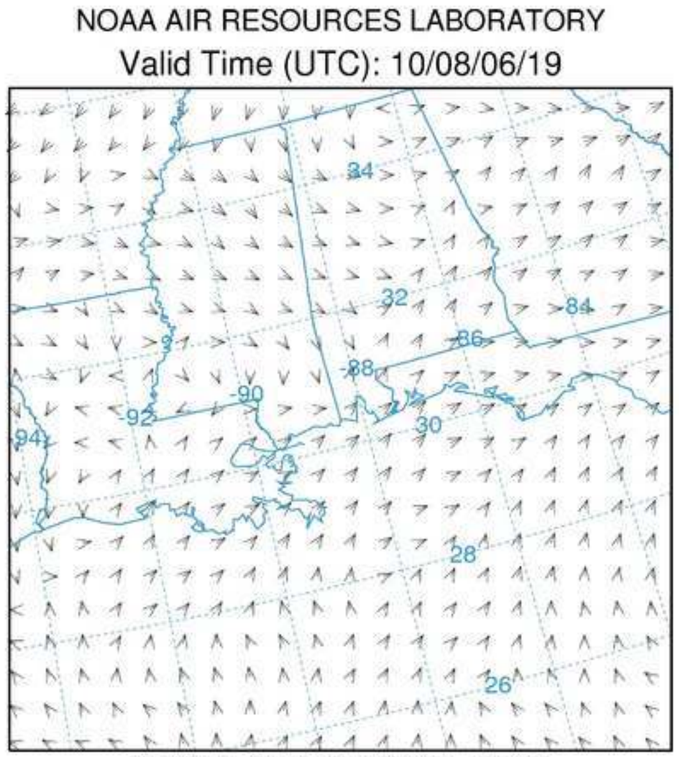
Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters



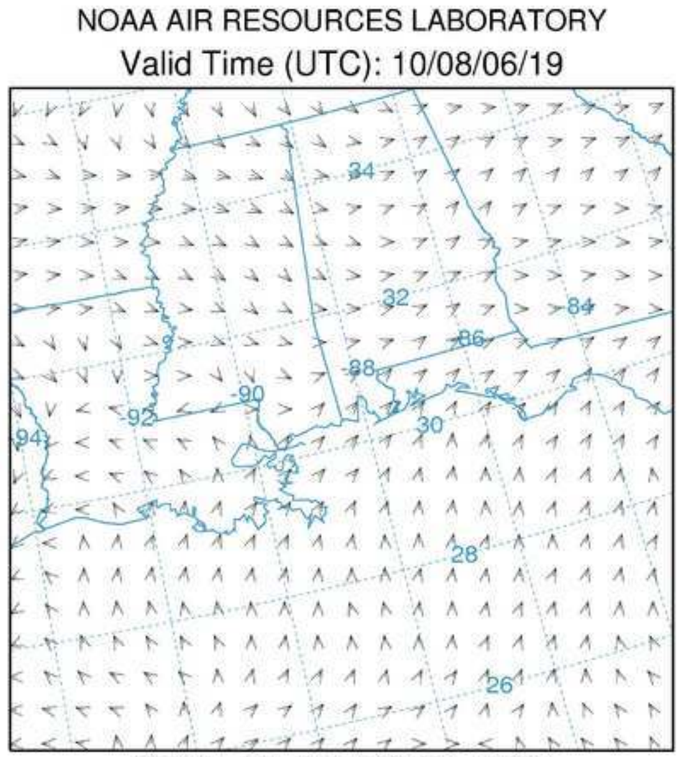
Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters



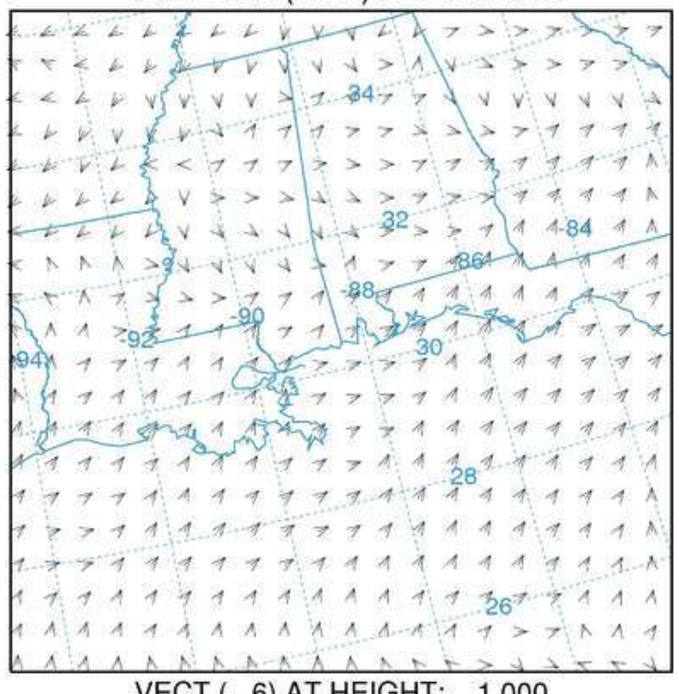
Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters



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

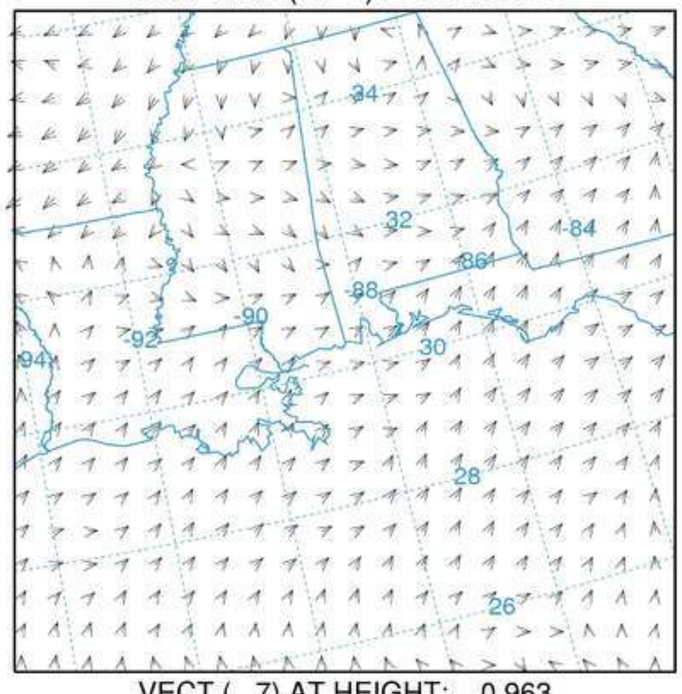


Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters



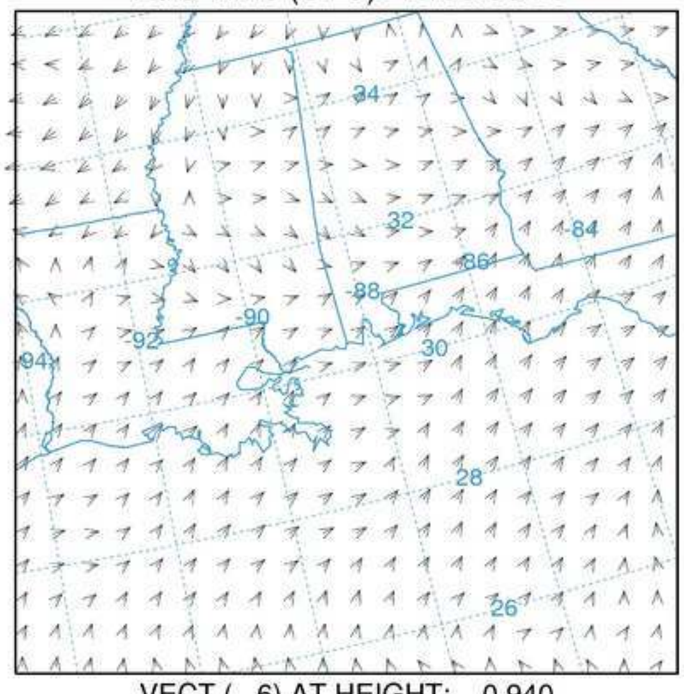
VECT (6) AT HEIGHT: 1.000

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



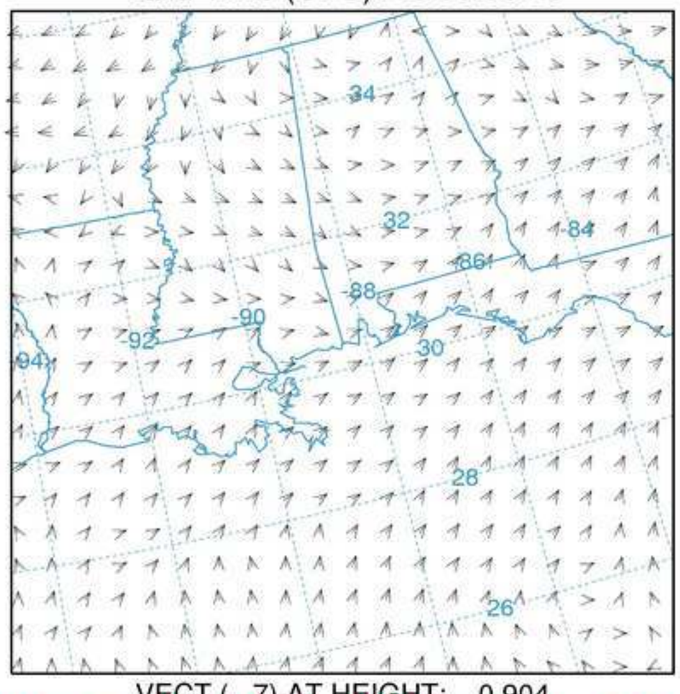
VECT (7) AT HEIGHT: 0.963

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



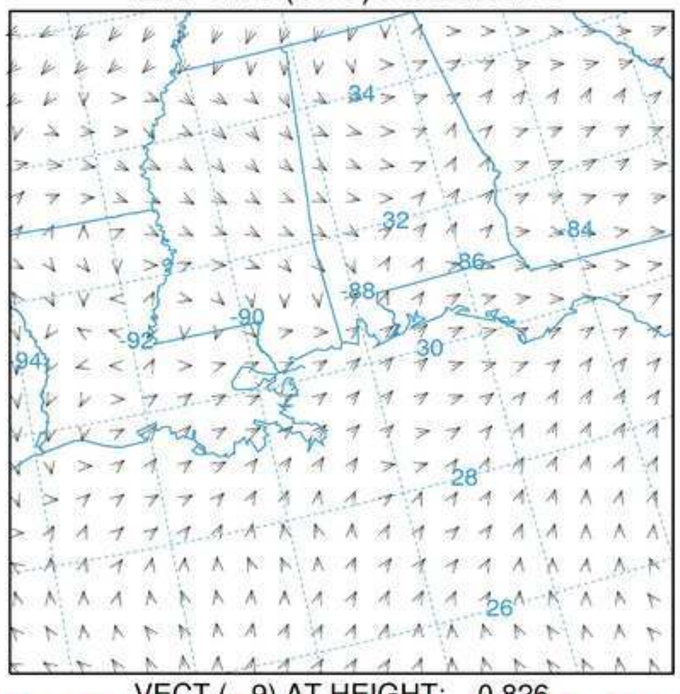
VECT (6) AT HEIGHT: 0.940

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



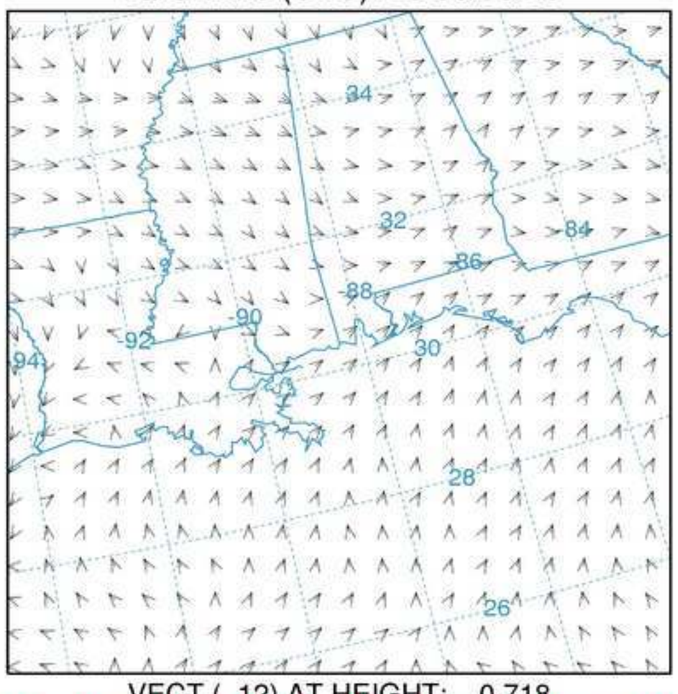
VECT (7) AT HEIGHT: 0.904

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



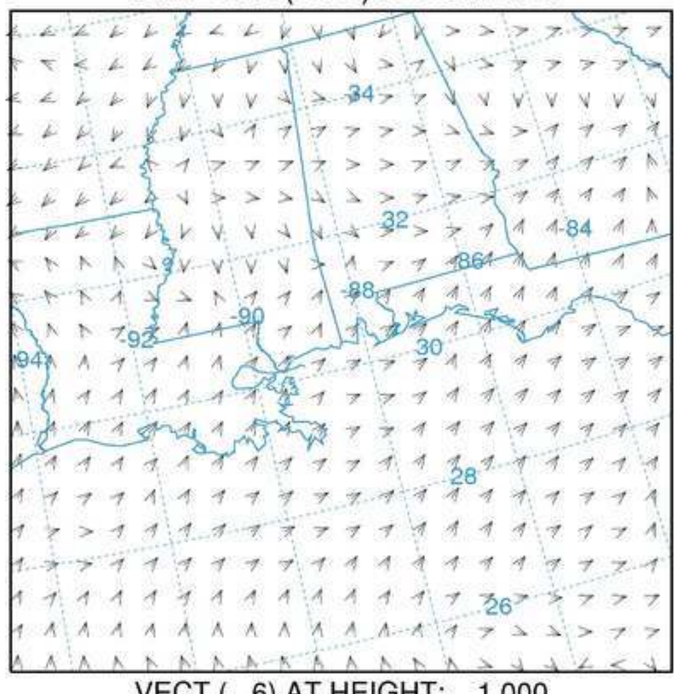
VECT (9) AT HEIGHT: 0.826

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



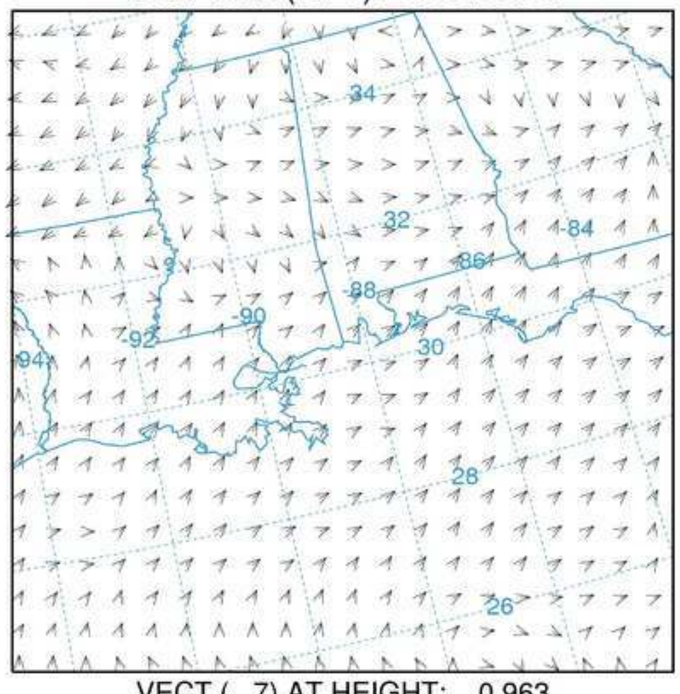
VECT (12) AT HEIGHT: 0.718

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



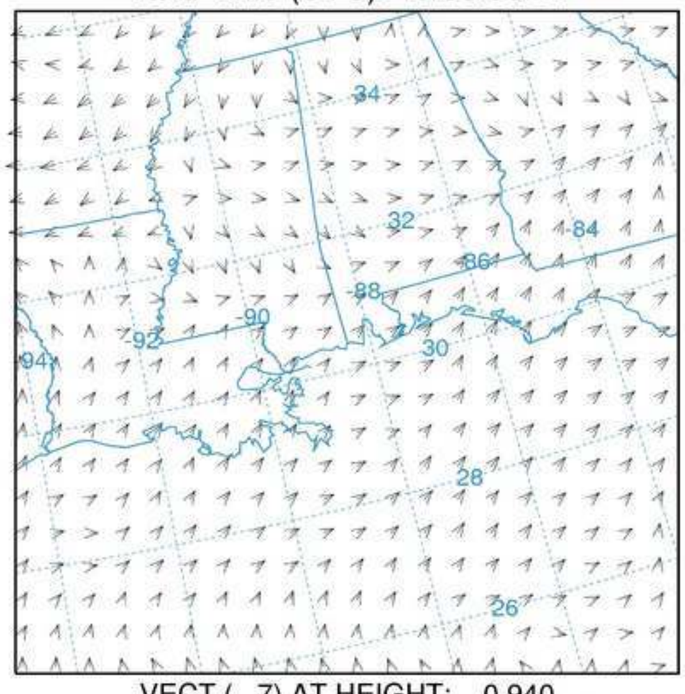
VECT (6) AT HEIGHT: 1.000

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



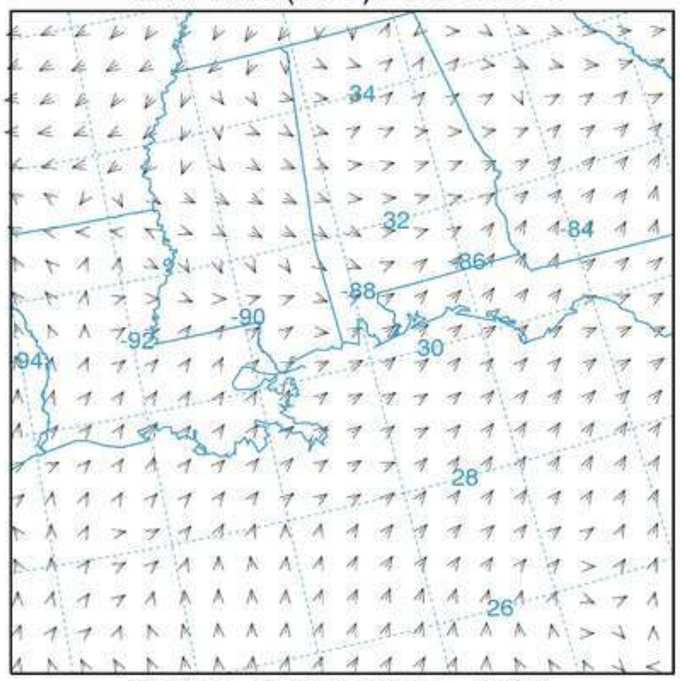
VECT (7) AT HEIGHT: 0.963

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



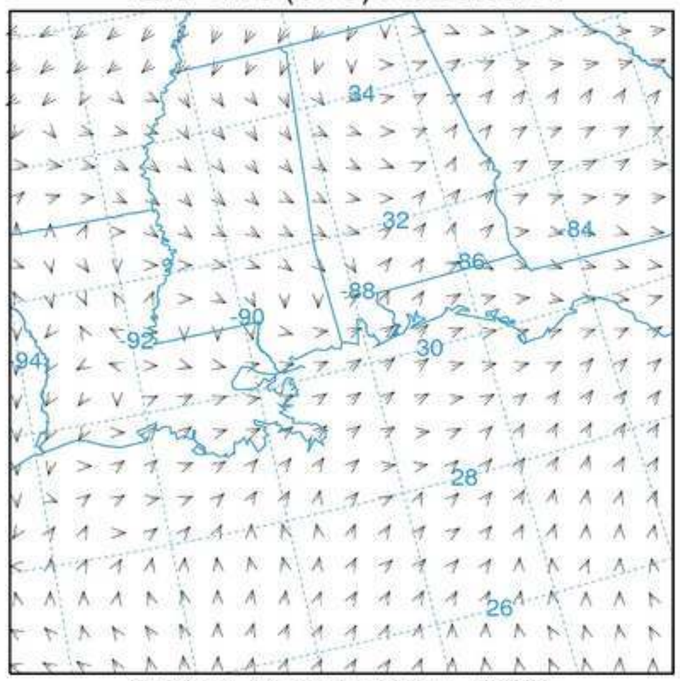
VECT (7) AT HEIGHT: 0.940

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



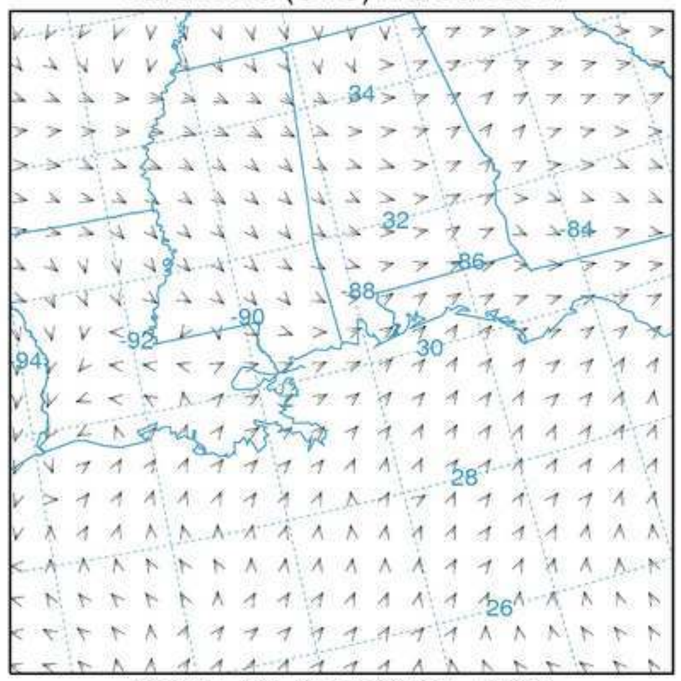
VECT (7) AT HEIGHT: 0.904

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



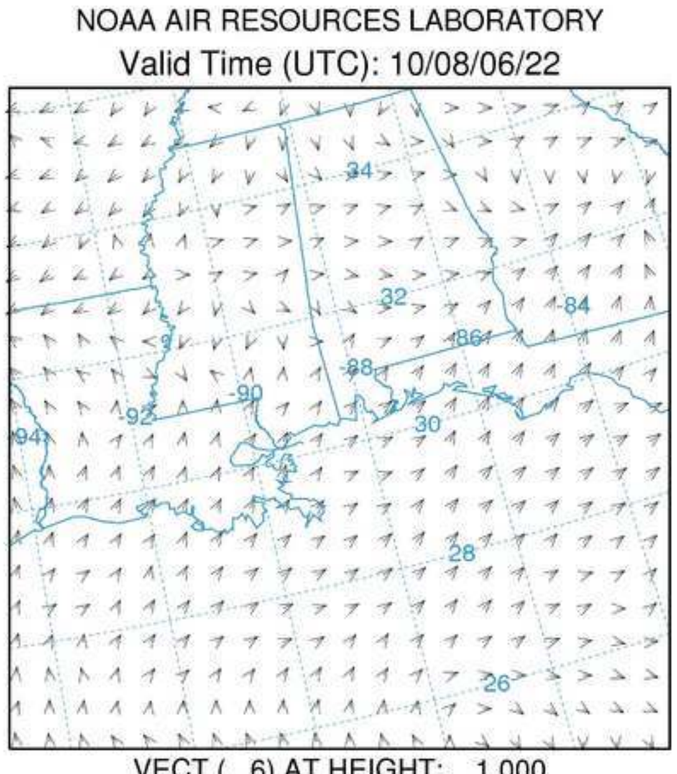
VECT (9) AT HEIGHT: 0.826

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



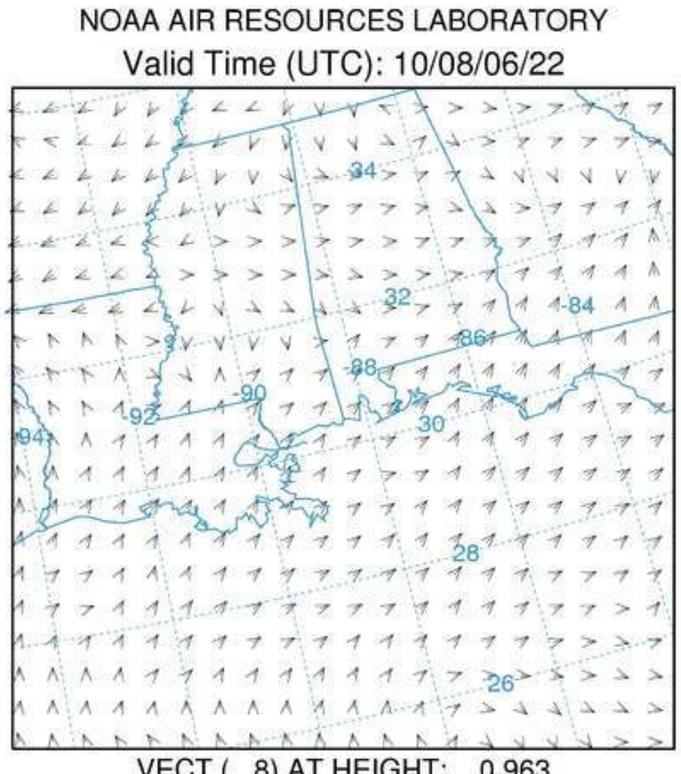
VECT (12) AT HEIGHT: 0.718

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



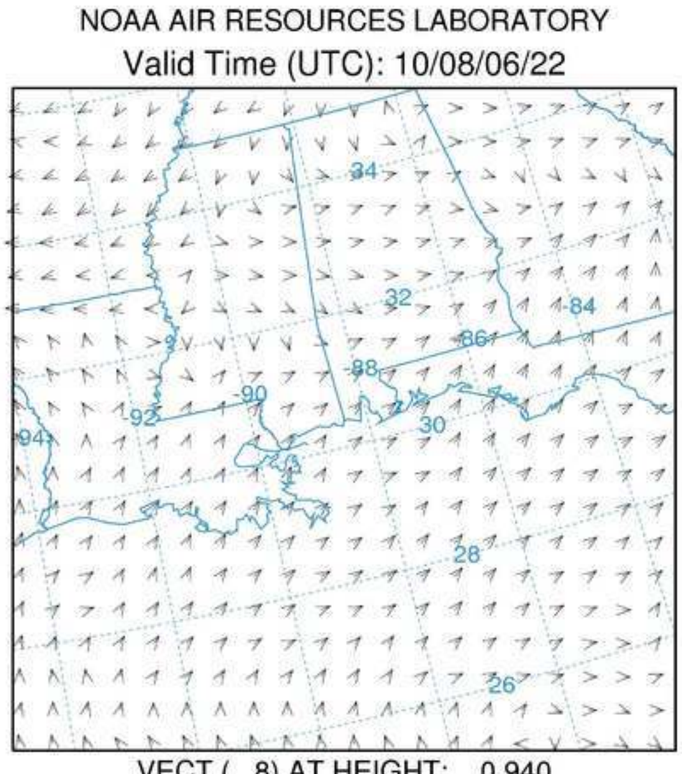
VECT (6) AT HEIGHT: 1.000

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



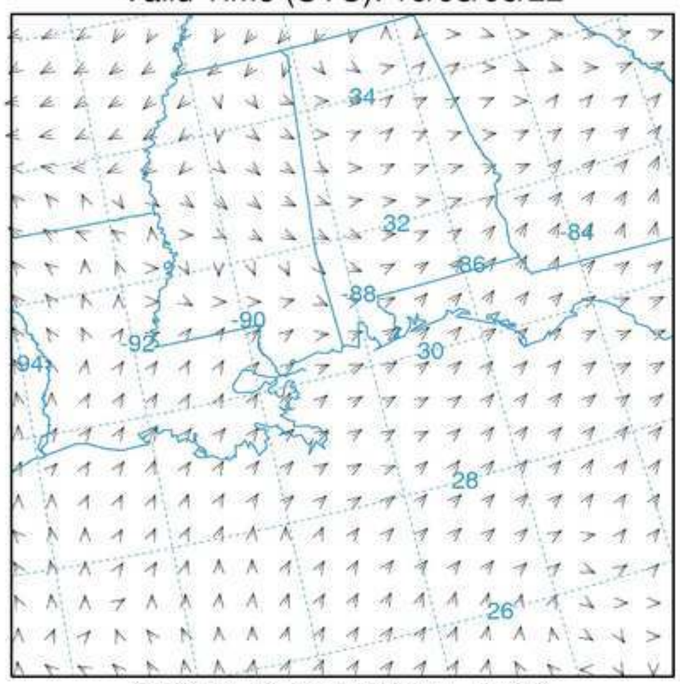
VECT (8) AT HEIGHT: 0.963

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



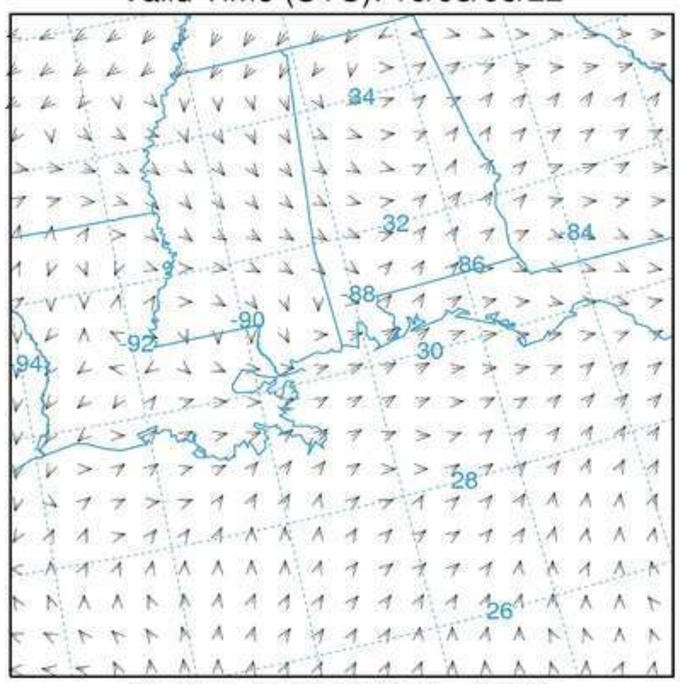
VECT (8) AT HEIGHT: 0.940

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



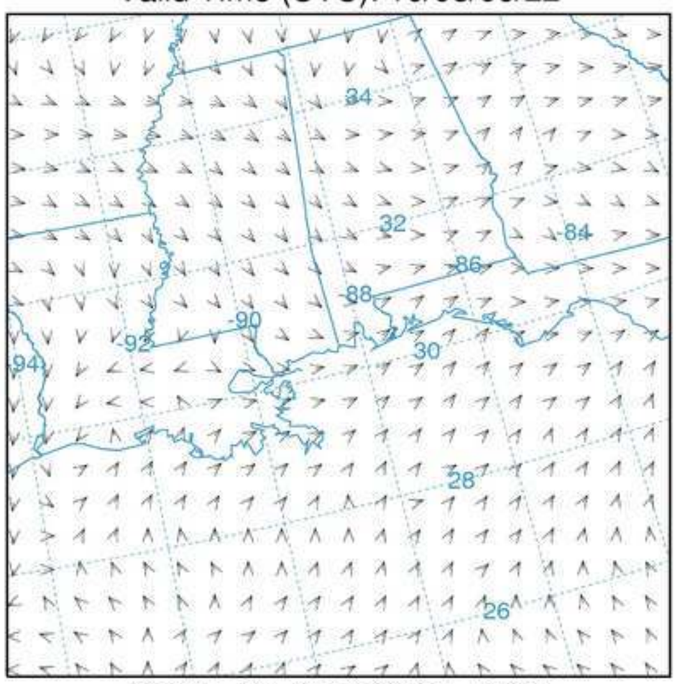
VECT (7) AT HEIGHT: 0.904

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



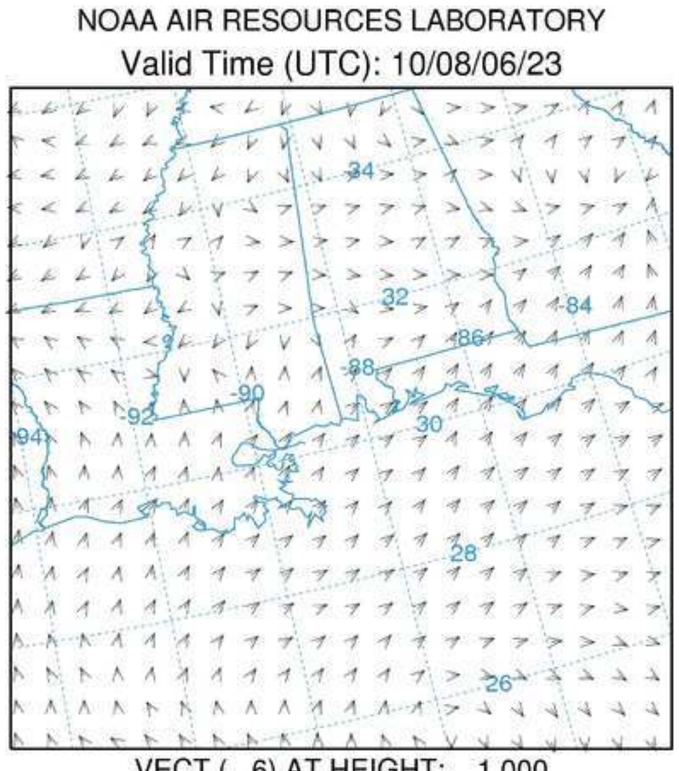
VECT (9) AT HEIGHT: 0.826

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

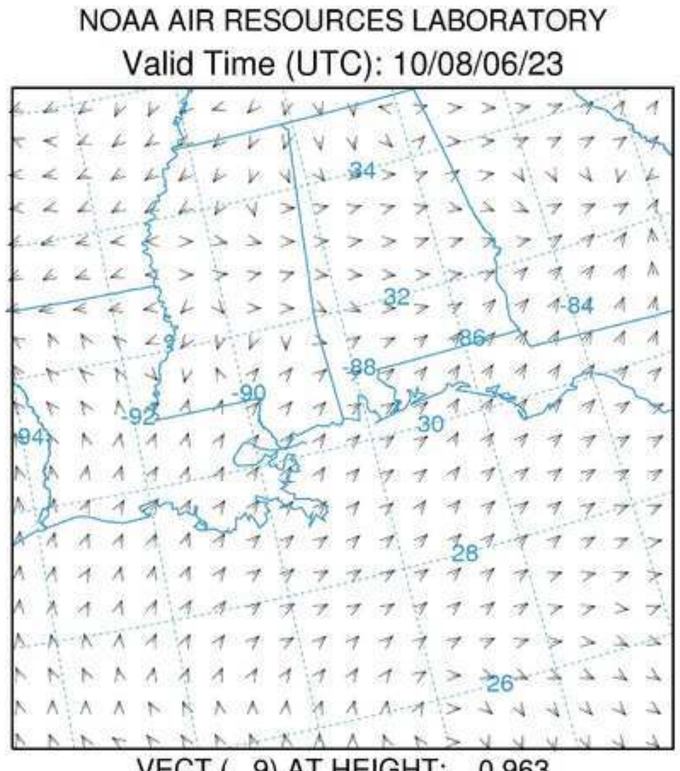


VECT (11) AT HEIGHT: 0.718

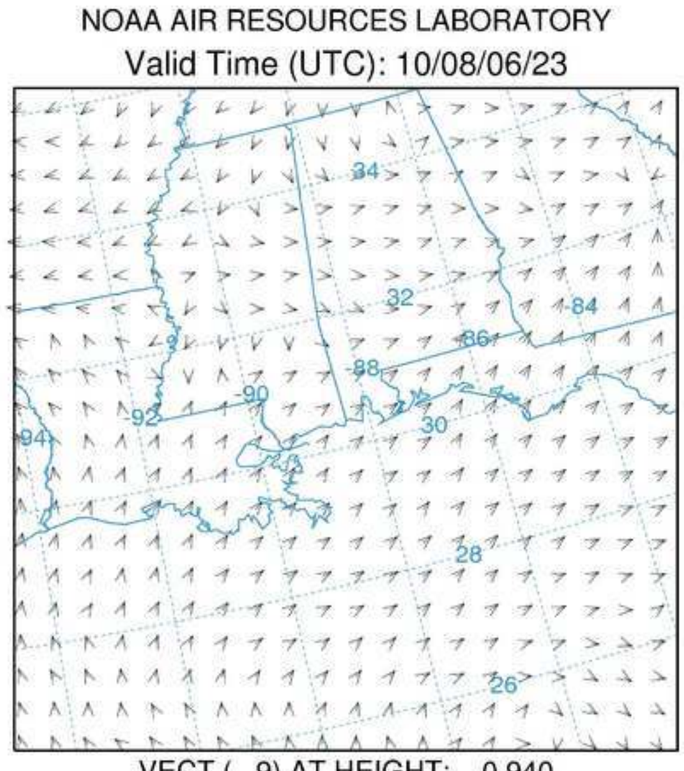
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters



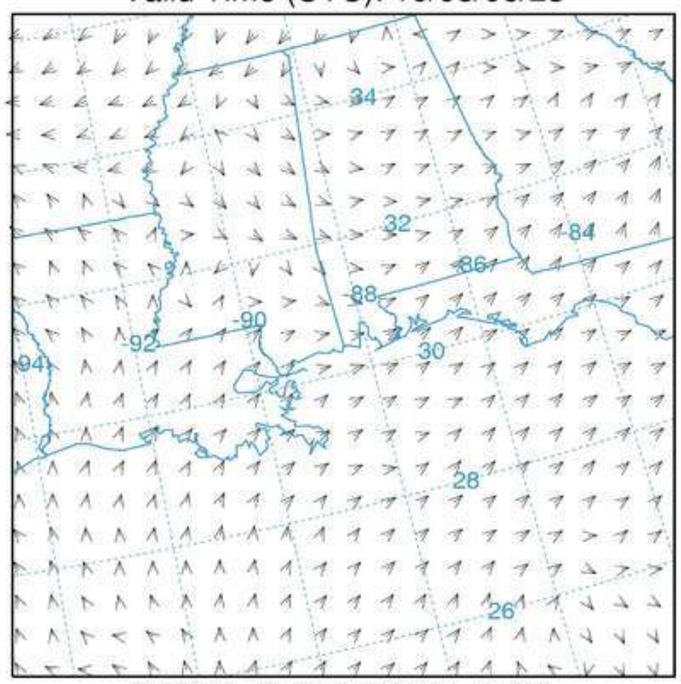
Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)



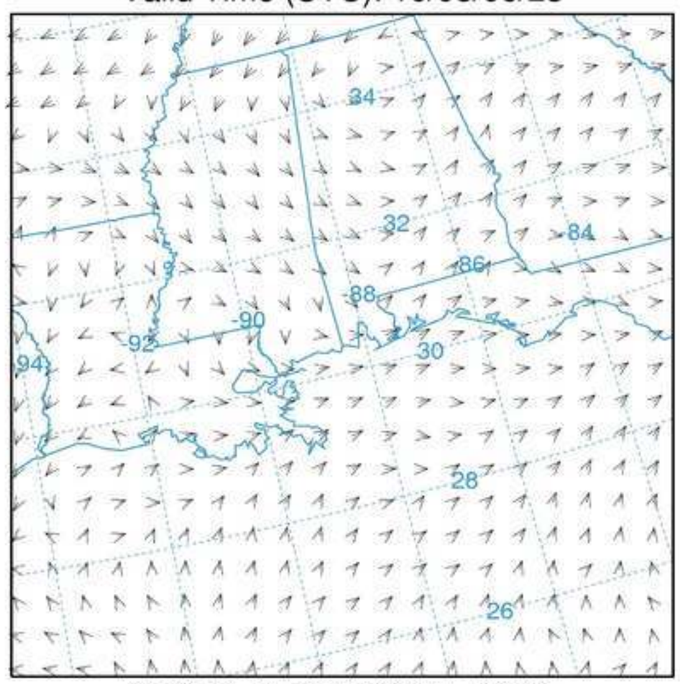
Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters



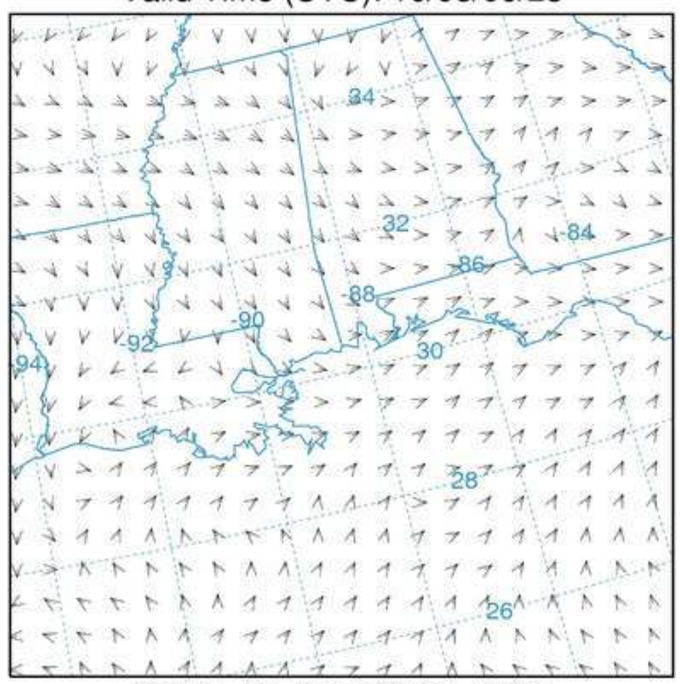
Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters



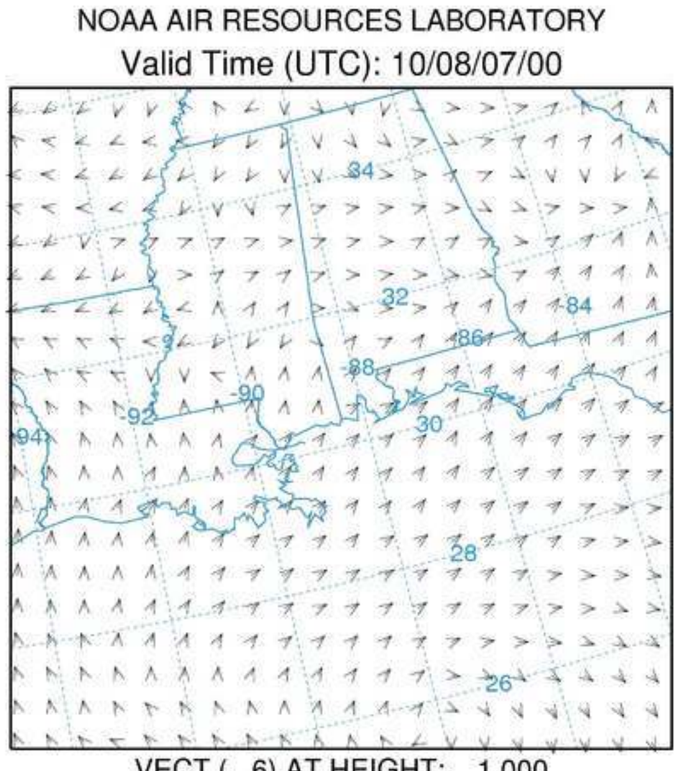
Wind direction data for NAMS vertical level 18, corresponding to a height of ~1000 meters



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

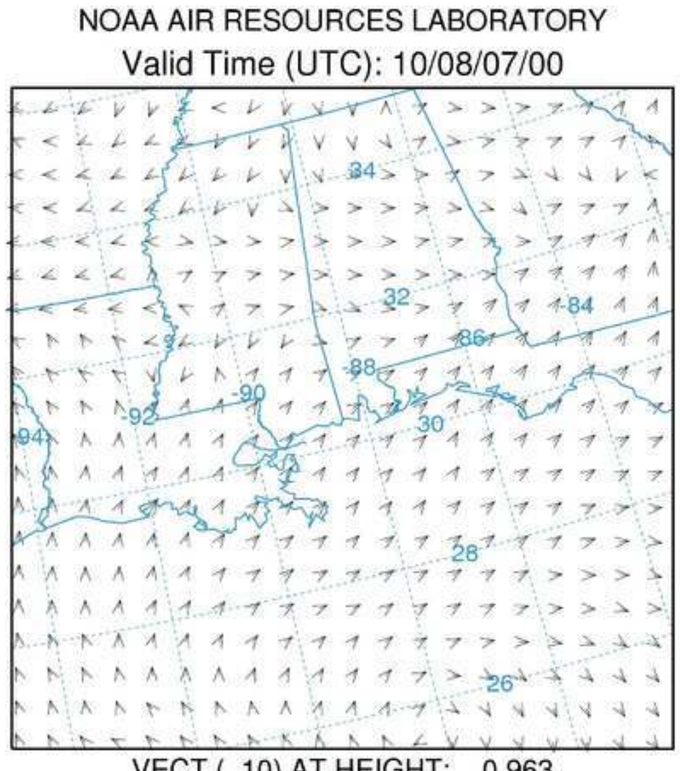


Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters



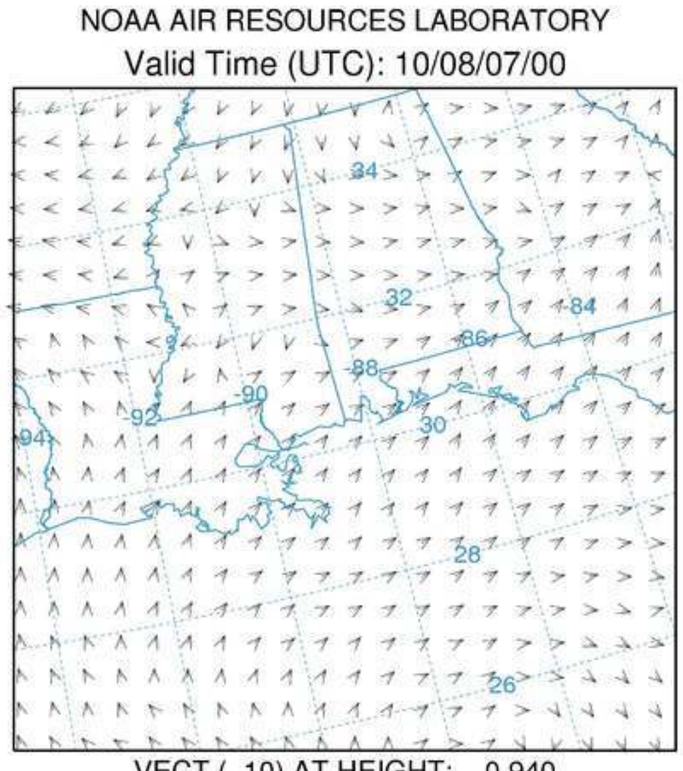
VECT (6) AT HEIGHT: 1.000

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



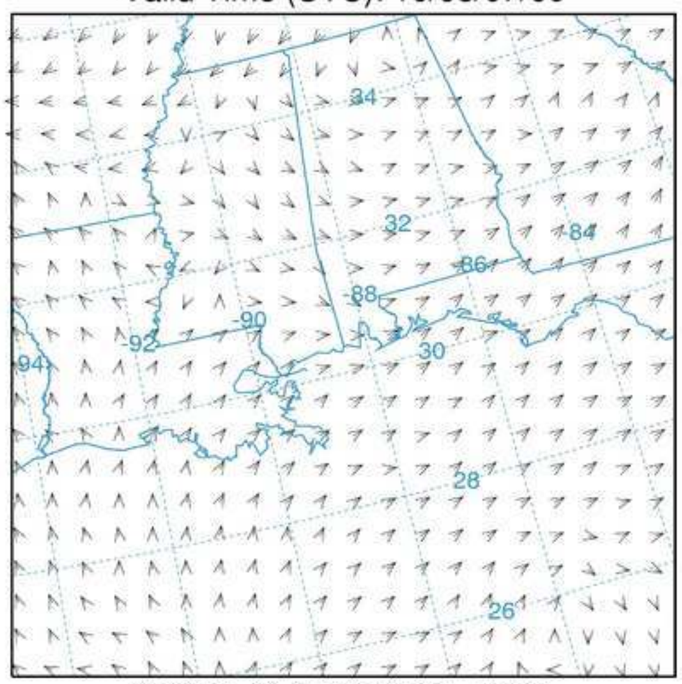
VECT (10) AT HEIGHT: 0.963

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



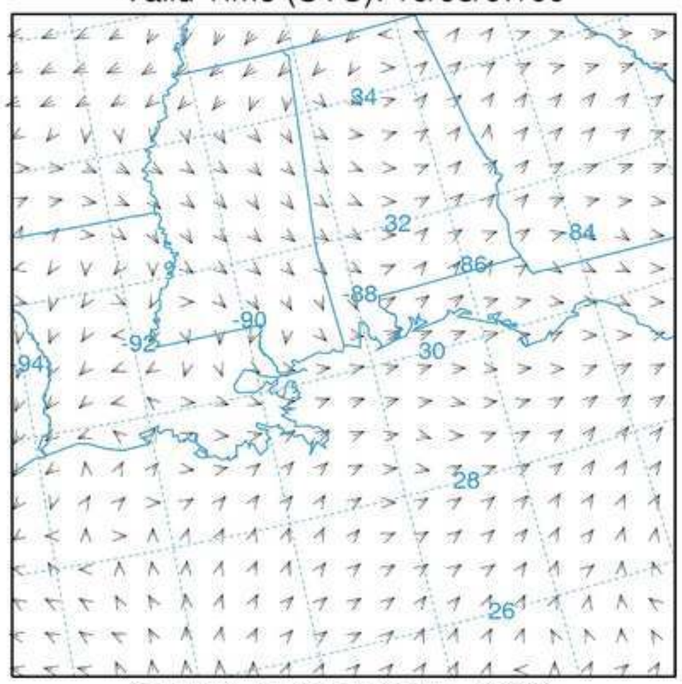
VECT (10) AT HEIGHT: 0.940

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



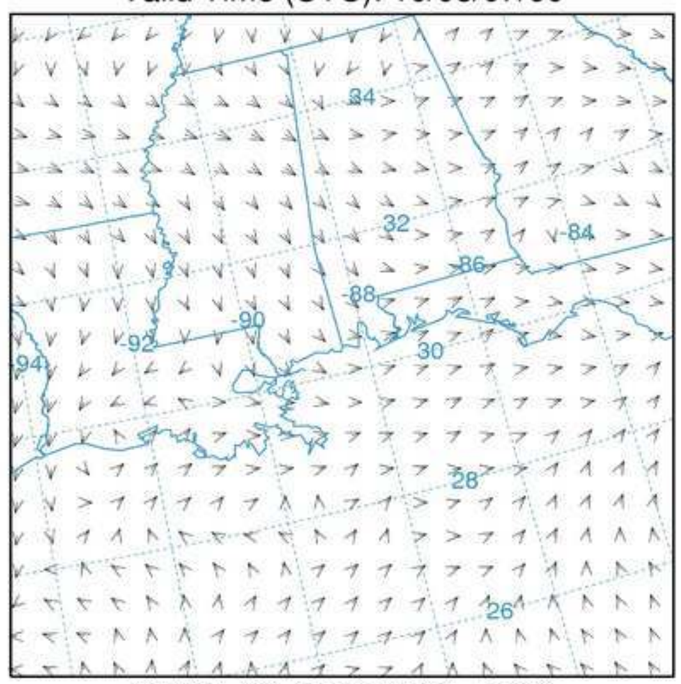
VECT (8) AT HEIGHT: 0.904

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



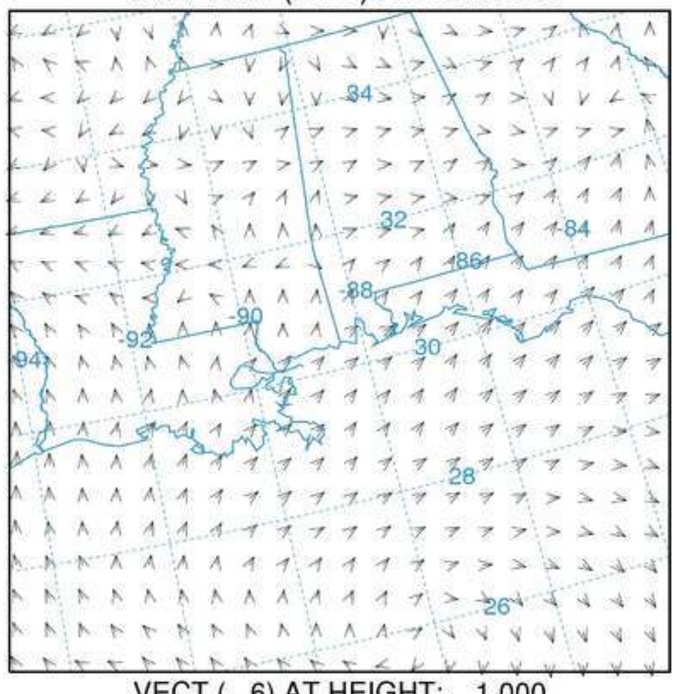
VECT (9) AT HEIGHT: 0.826

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

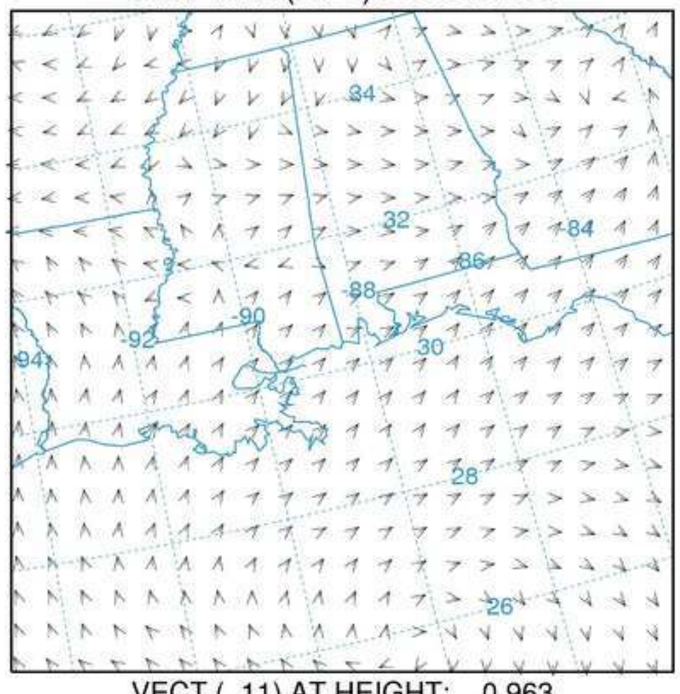


VECT (10) AT HEIGHT: 0.718

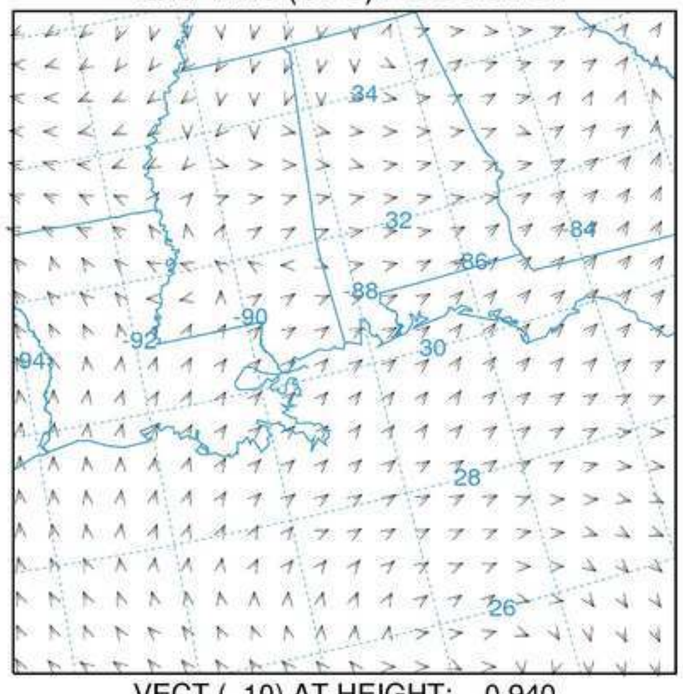
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters



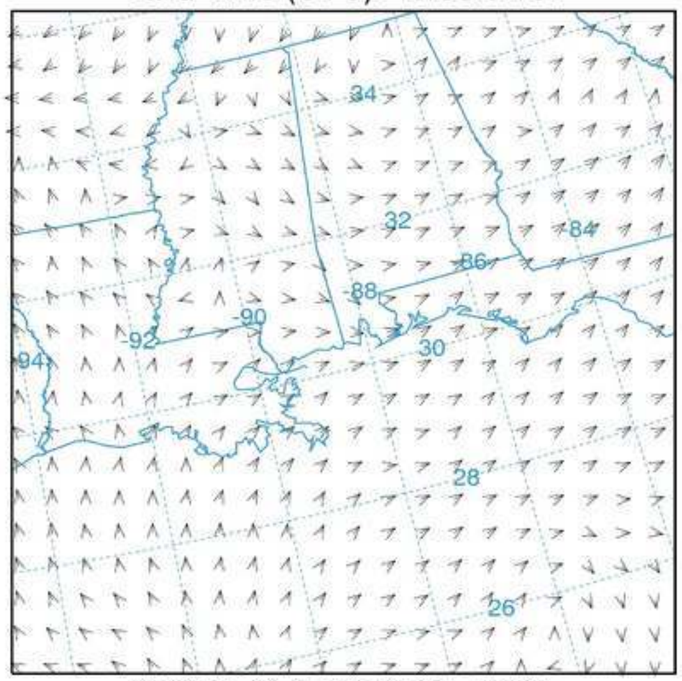
Wind direction data for NAMS vertical level 1, corresponding to the surface (~10 m)



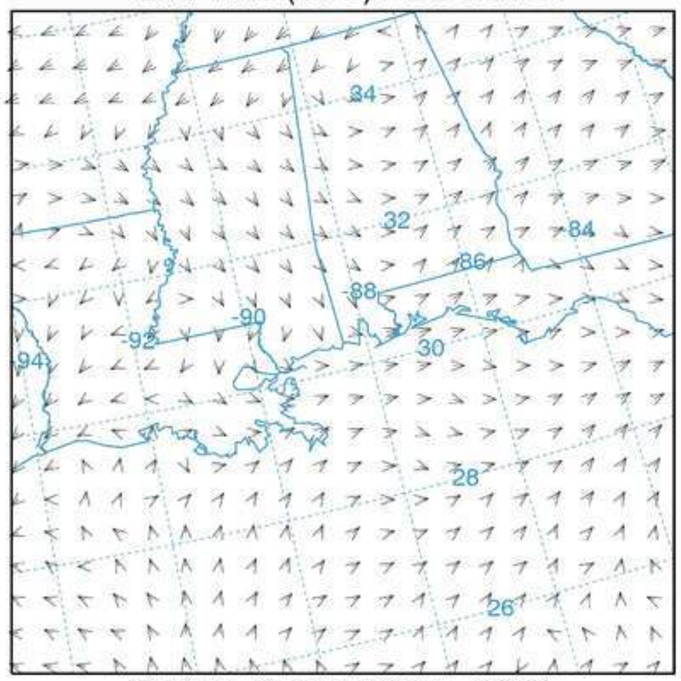
Wind direction data for NAMS vertical level 9, corresponding to a height of ~250 meters



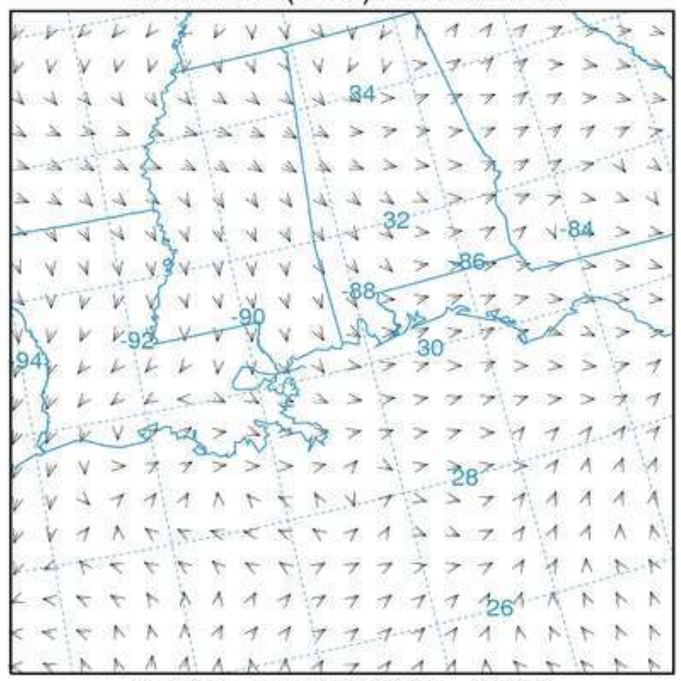
Wind direction data for NAMS vertical level 13, corresponding to a height of ~500 meters



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



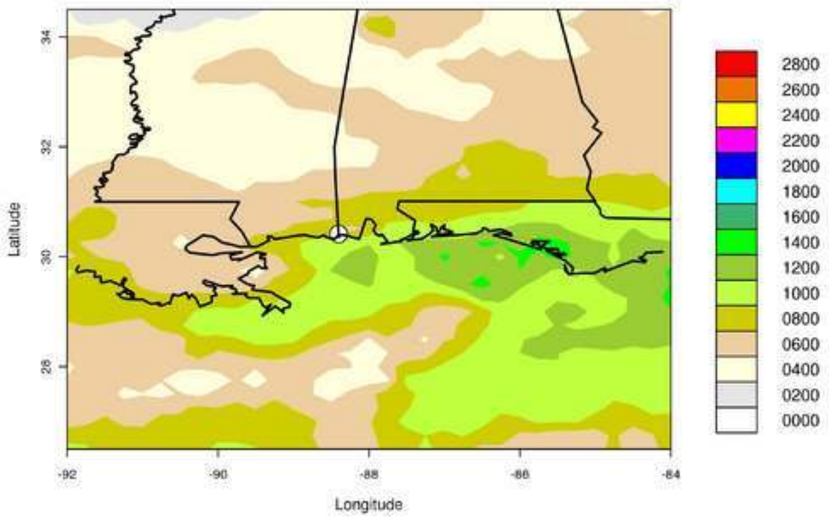
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters



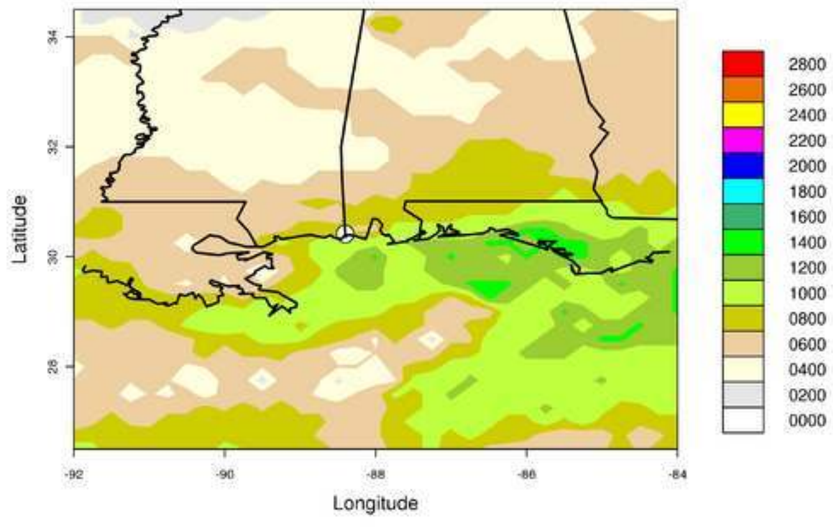
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters

FORECAST for 2010_08_06, local hour = 09

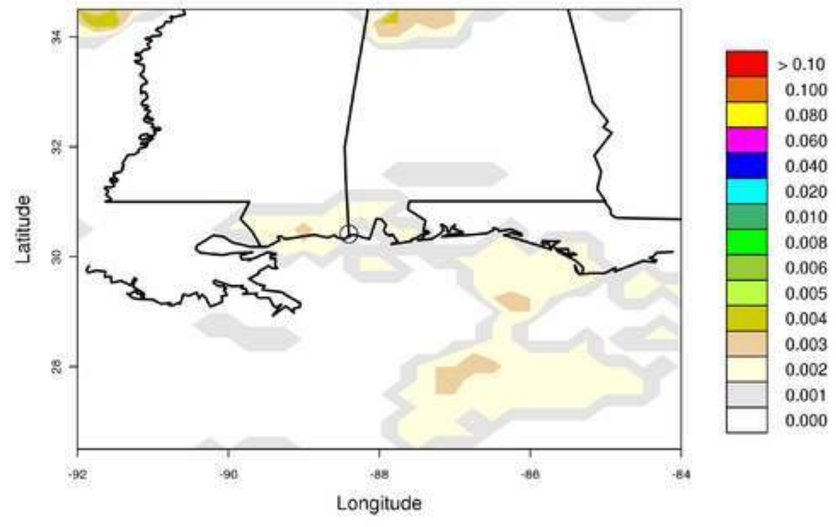
Mixing Heights (m) Estimated with the HYSPLIT Model



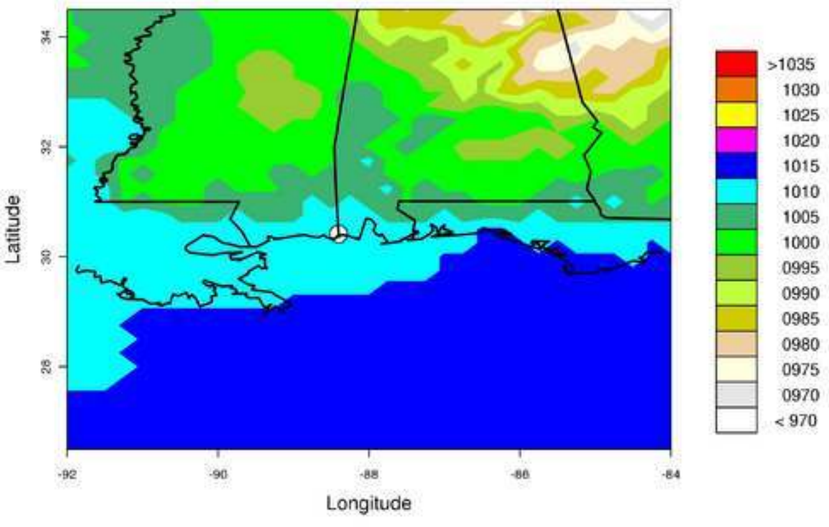
PBLH: Planetary Boundary Layer Height (m)



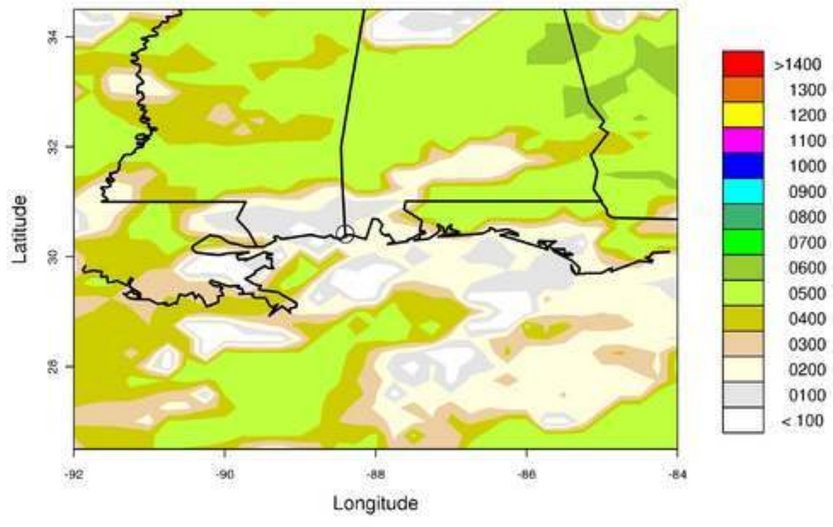
TPP3: 3-hour Accumulated Precipitation (mm)



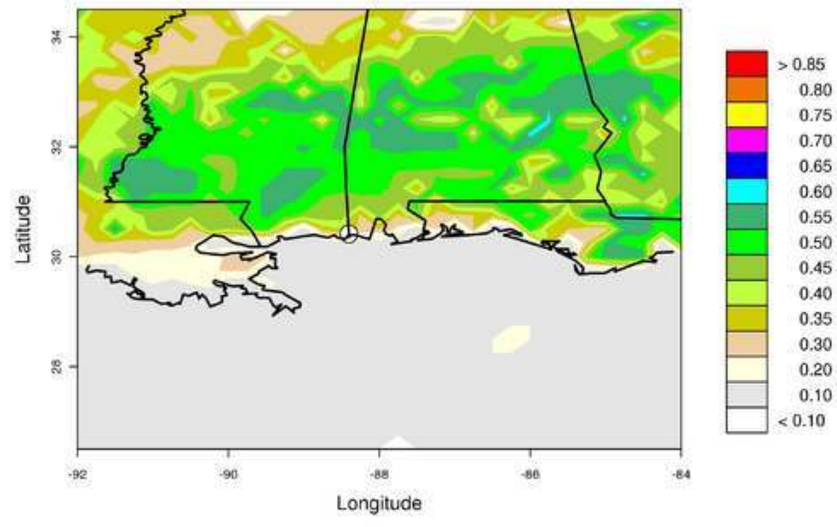
PRSS: Surface Pressure (hPa)

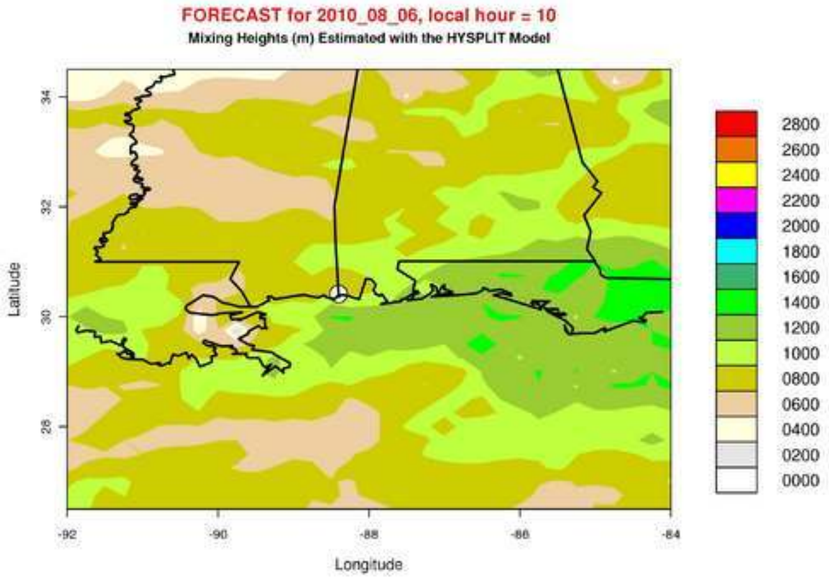


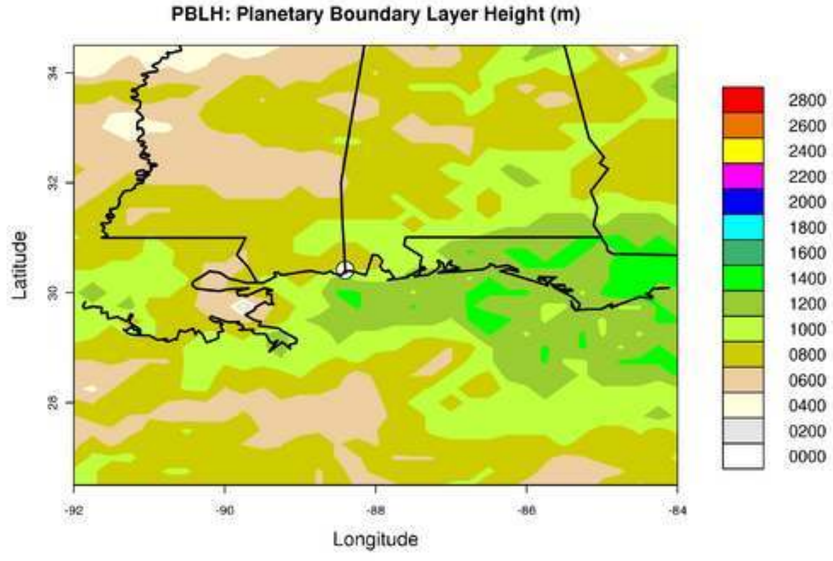
DSWF: Downward Short Wave Radiation Flux (W/m2)

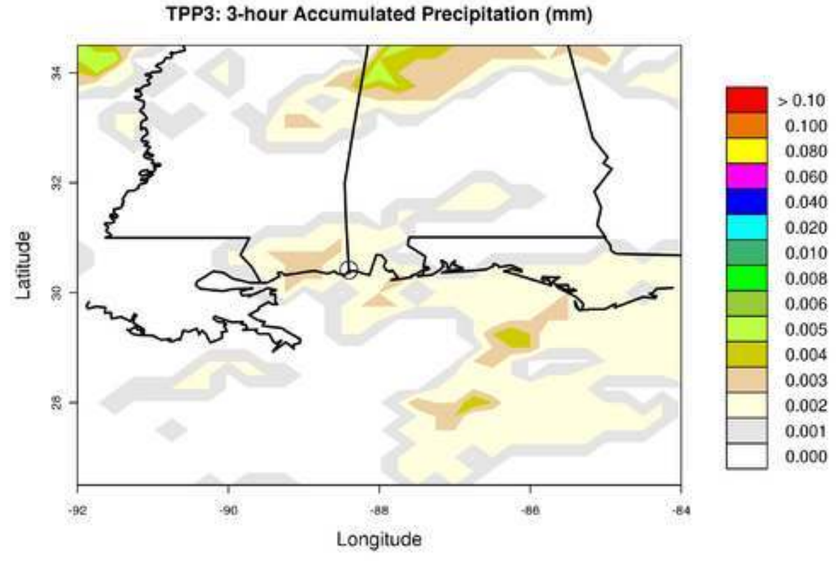


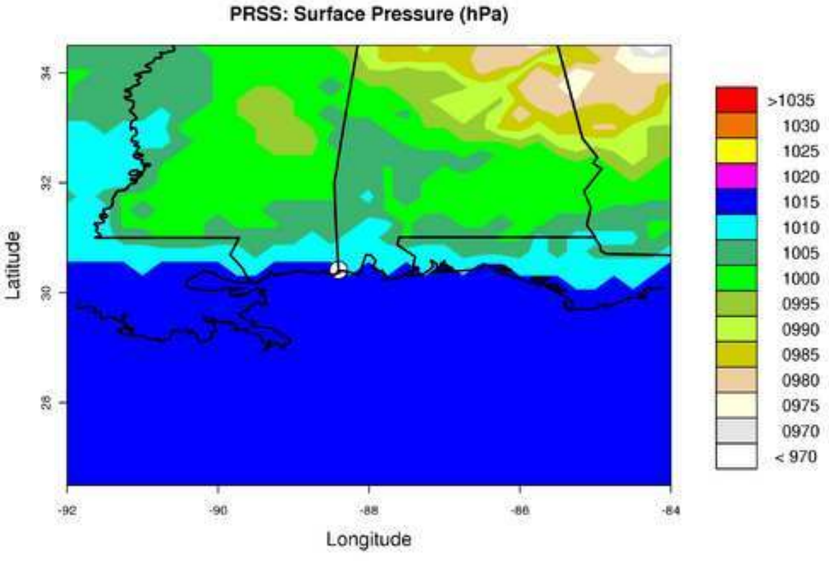
USTR: Friction Velocity (m/sec)

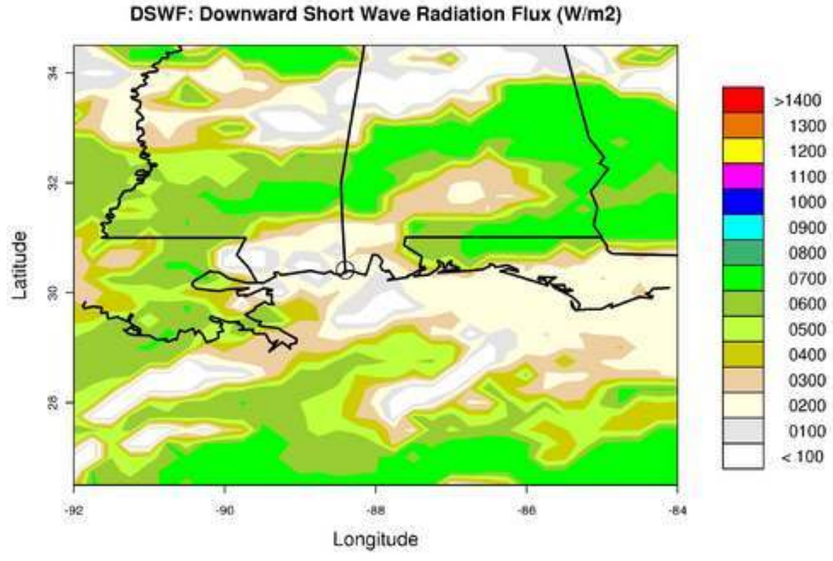


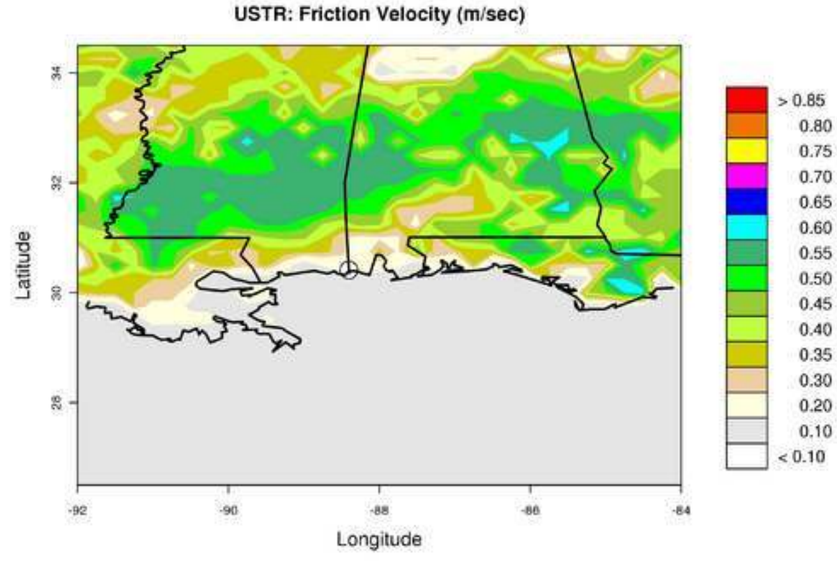

FORECAST for 2010_08_06, local hour = 10
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
-92
-90
-88
-86
-84
34
32
30
28
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

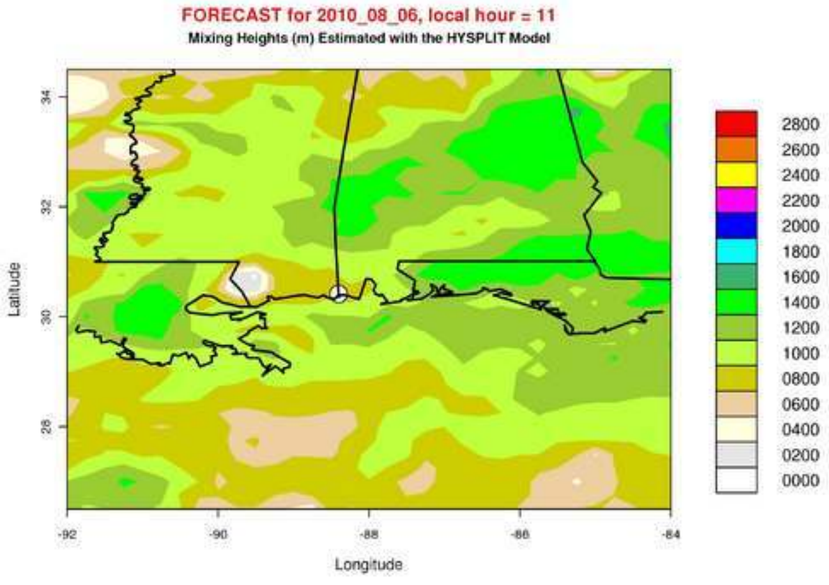

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
-92
-90
-88
-86
-84
34
32
30
28
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


TPP3: 3-hour Accumulated Precipitation (mm)
Latitude
Longitude
-92
-90
-88
-86
-84
34
32
30
28
> 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
-92
-90
-88
-86
-84
34
32
30
28
>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
-92
-90
-88
-86
-84
34
32
30
28
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100


USTR: Friction Velocity (m/sec)
Latitude
Longitude
-92
-90
-88
-86
-84
34
32
30
28
> 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_06, local hour = 11
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
-92
-90
-88
-86
-84
34
32
30
28
2800
2600
2400
2200
2000
1800
1600
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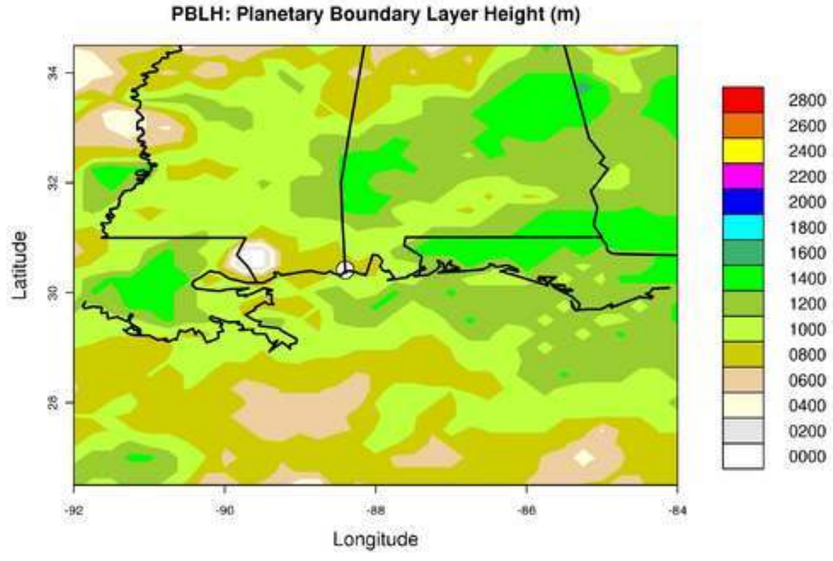
1200
1000
0800
0600
0400
0200
0000


PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
-92
-90
-88
-86
-84
34
32
30
28
2800
2600
2400
2200
2000
1800
1600
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1200
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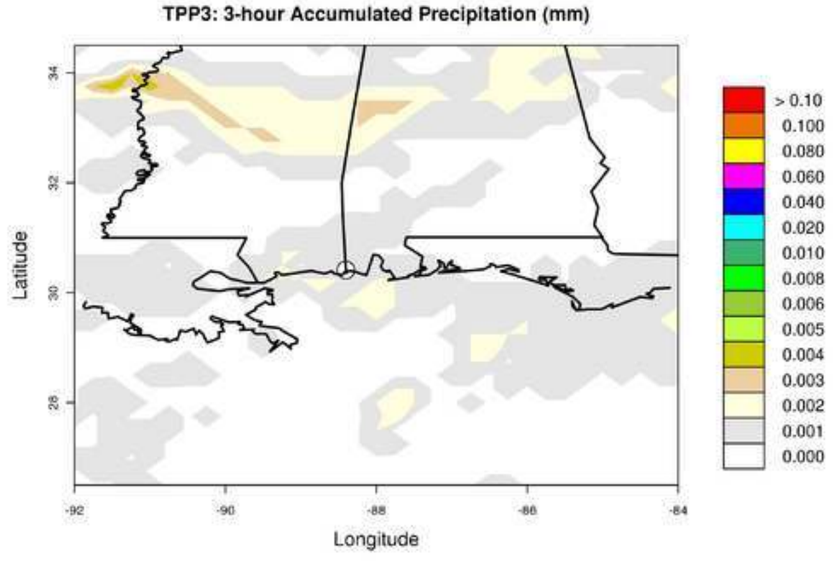
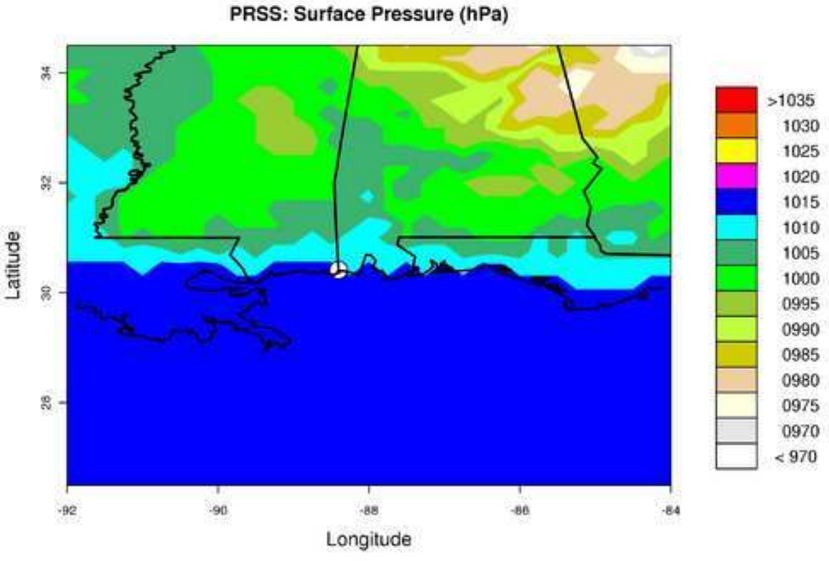
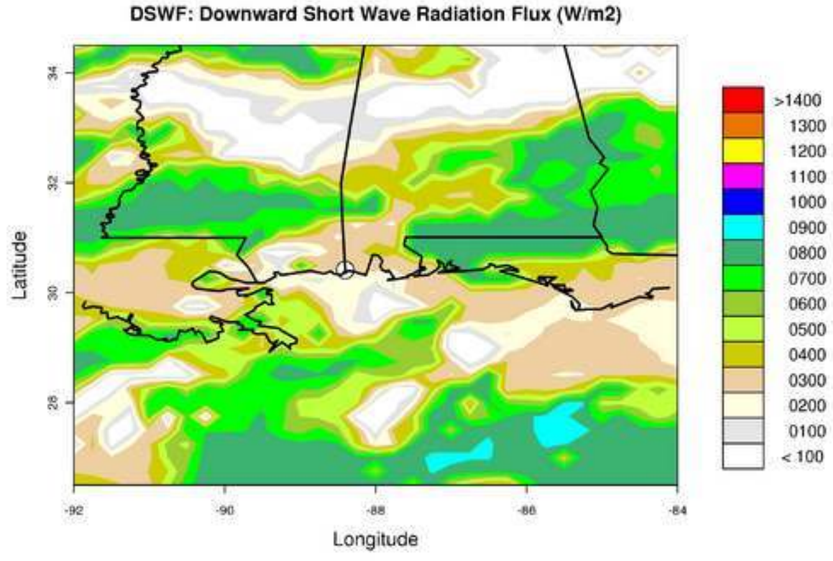
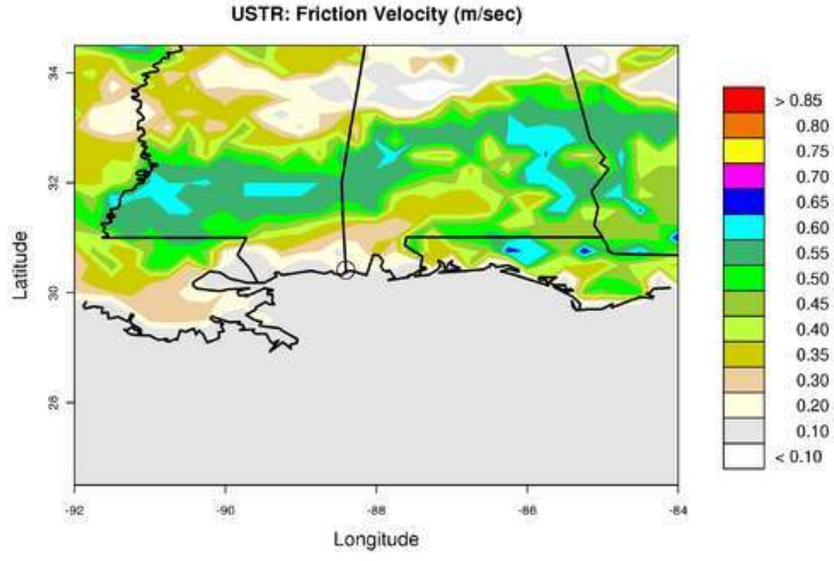
0800
0600
0400
0200
0000


TPP3: 3-hour Accumulated Precipitation (mm)
Latitude
Longitude
-92
-90
-88
-86
-84
34
32
30
28
> 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

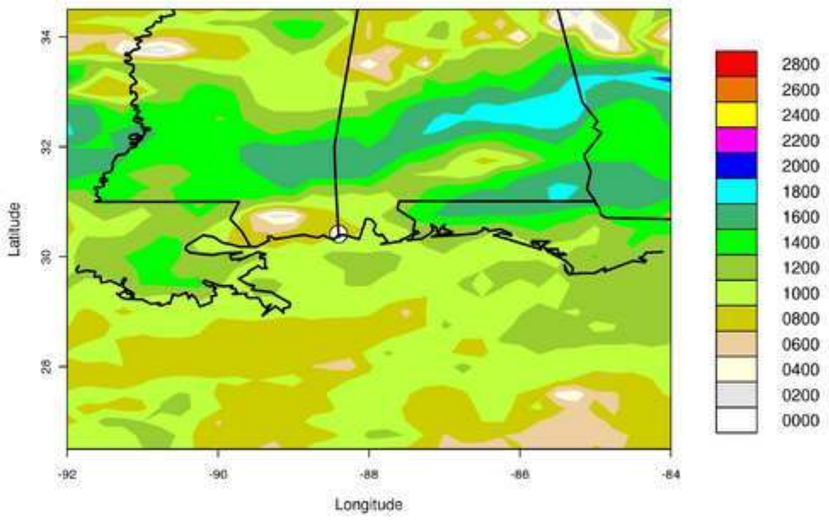

PRSS: Surface Pressure (hPa)
Latitude
Longitude
-92
-90
-88
-86
-84
34
32
30
28
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970


DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
-92
-90
-88
-86
-84
34
32
30
28
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

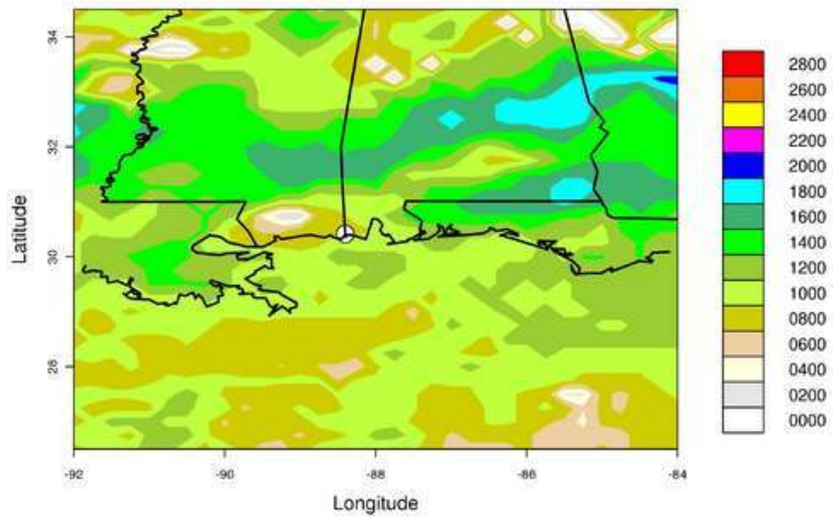

USTR: Friction Velocity (m/sec)
Latitude
Longitude
-92
-90
-88
-86
-84
34
32
30
28
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

FORECAST for 2010_08_06, local hour = 12

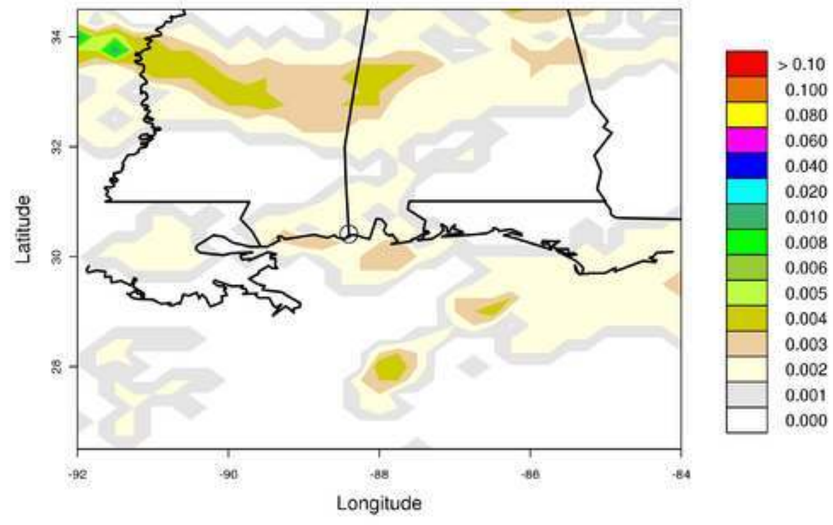
Mixing Heights (m) Estimated with the HYSPLIT Model



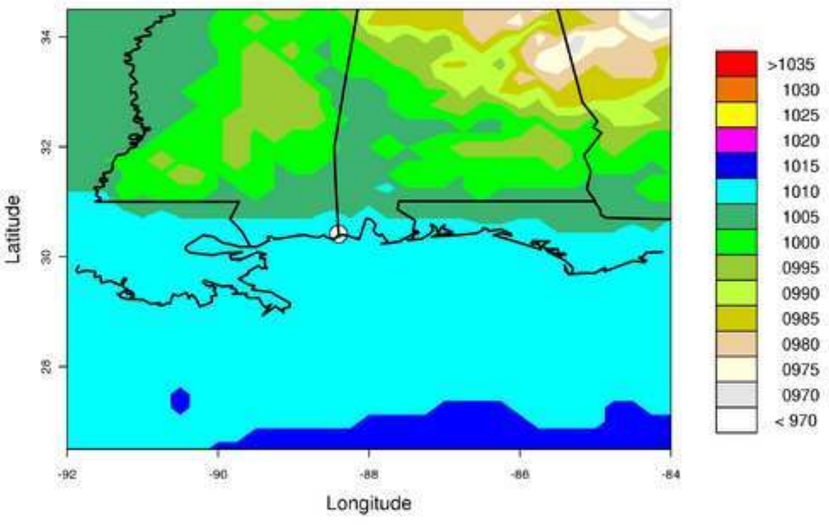
PBLH: Planetary Boundary Layer Height (m)



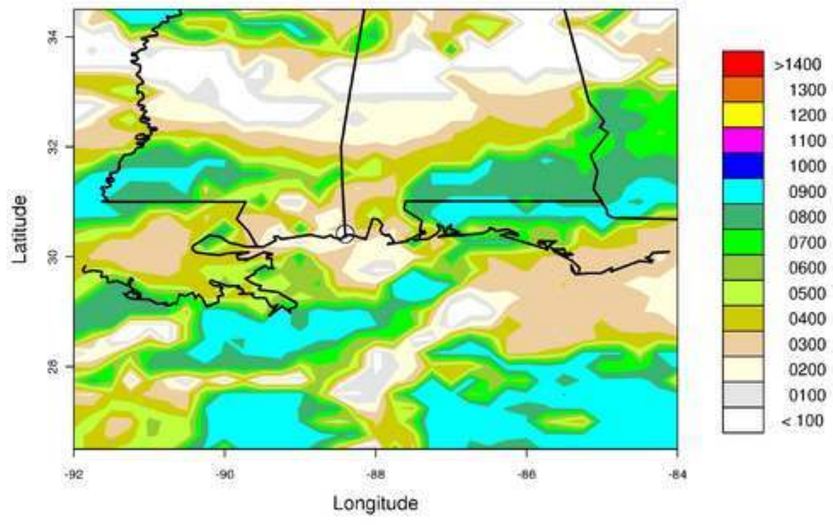
TPP3: 3-hour Accumulated Precipitation (mm)



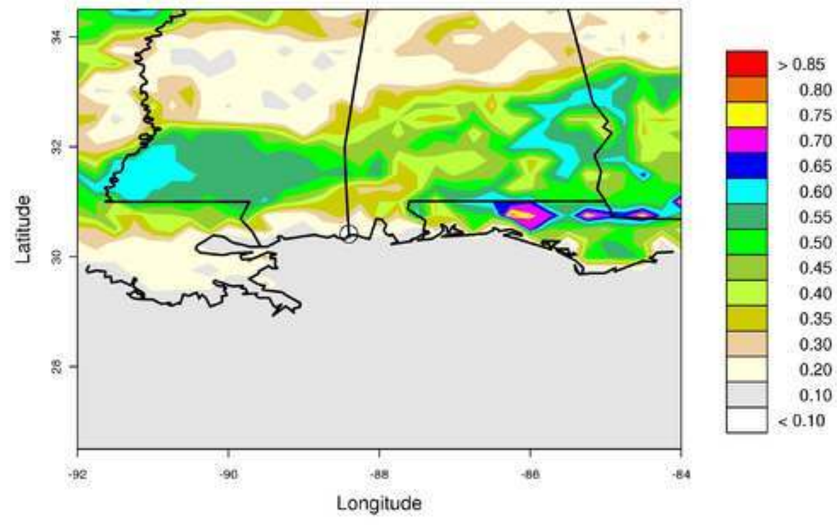
PRSS: Surface Pressure (hPa)



DSWF: Downward Short Wave Radiation Flux (W/m2)

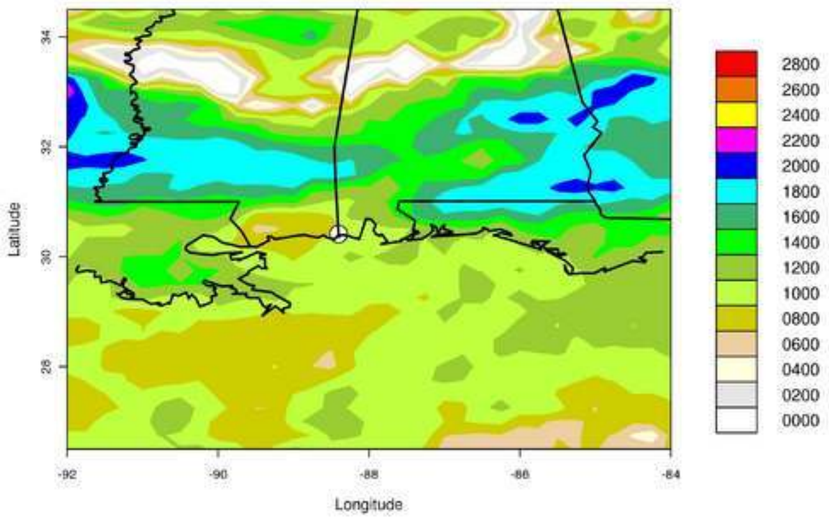


USTR: Friction Velocity (m/sec)

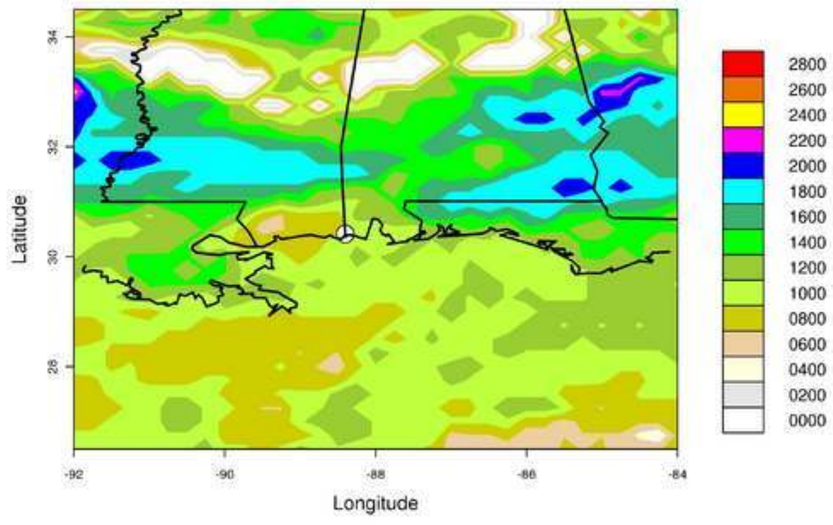


FORECAST for 2010_08_06, local hour = 13

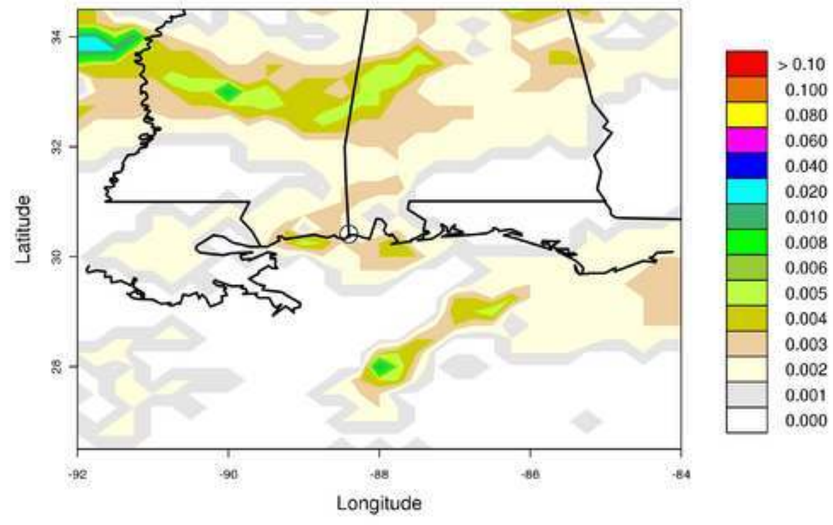
Mixing Heights (m) Estimated with the HYSPLIT Model



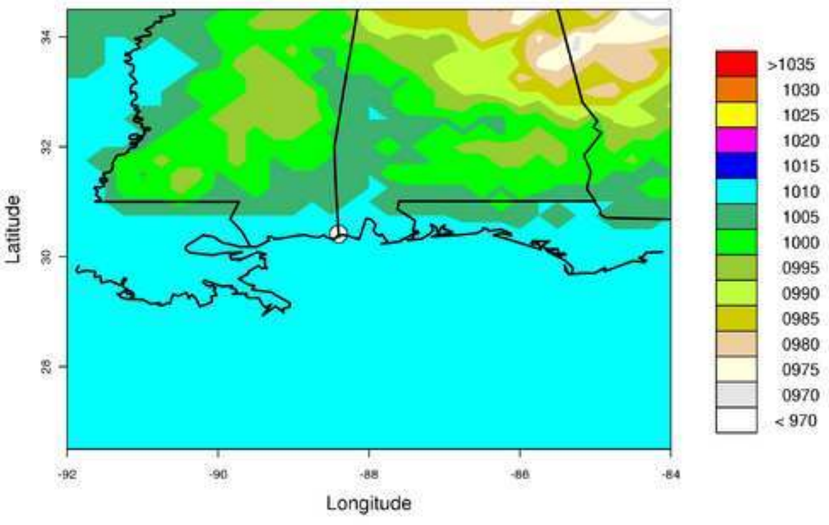
PBLH: Planetary Boundary Layer Height (m)



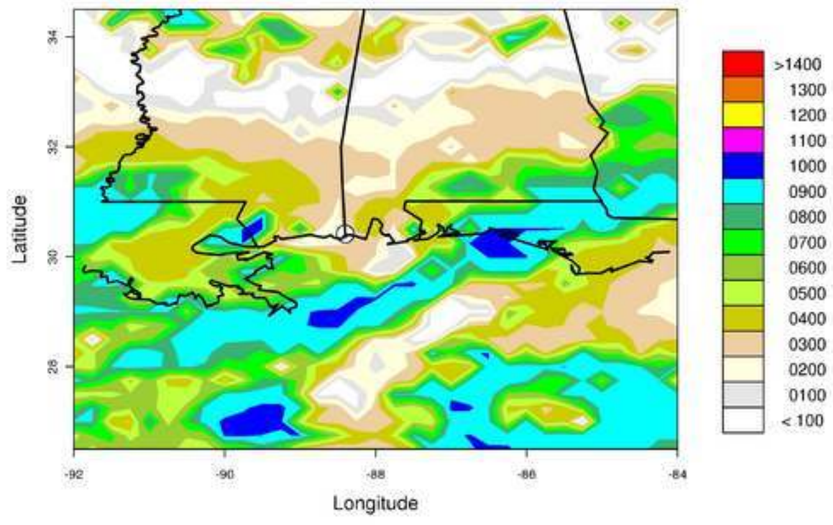
TPP3: 3-hour Accumulated Precipitation (mm)



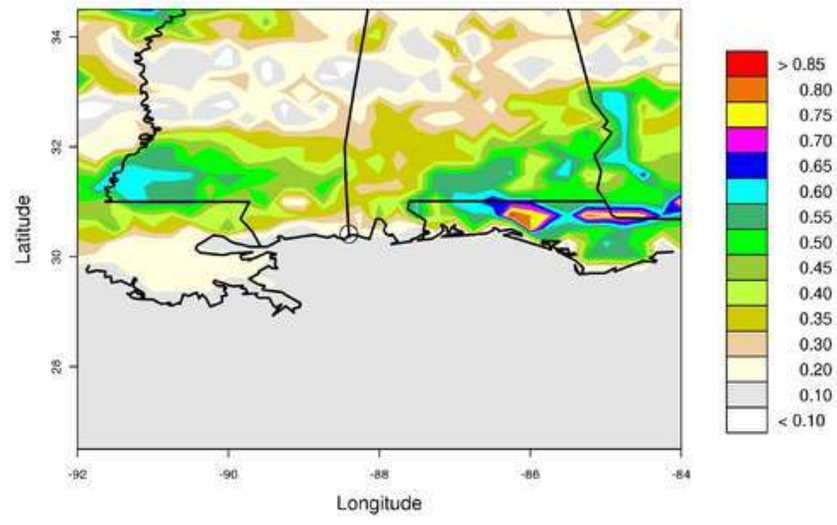
PRSS: Surface Pressure (hPa)



DSWF: Downward Short Wave Radiation Flux (W/m2)

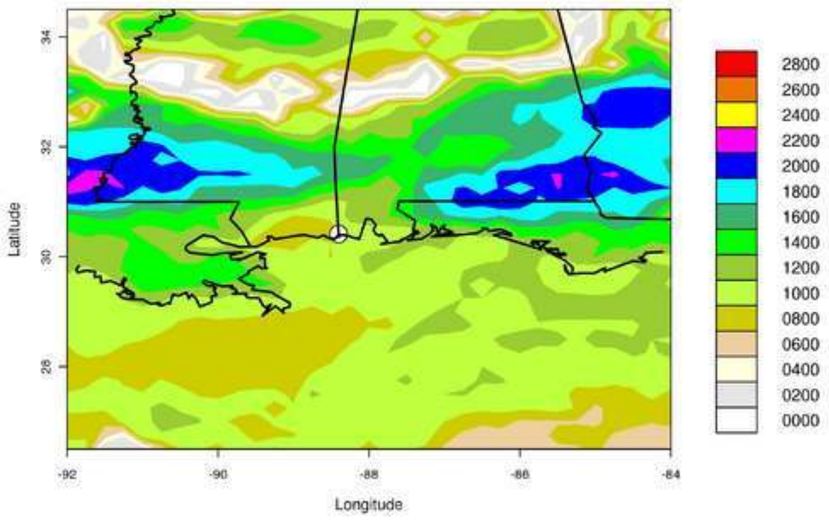


USTR: Friction Velocity (m/sec)

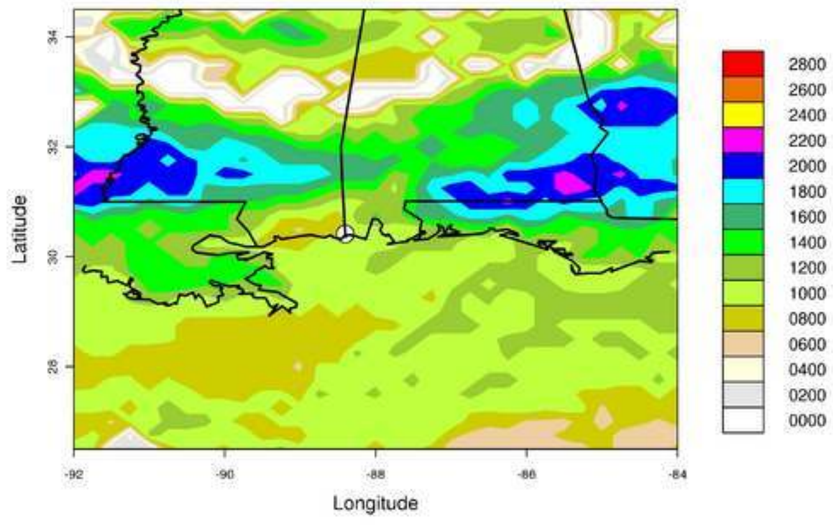


FORECAST for 2010_08_06, local hour = 14

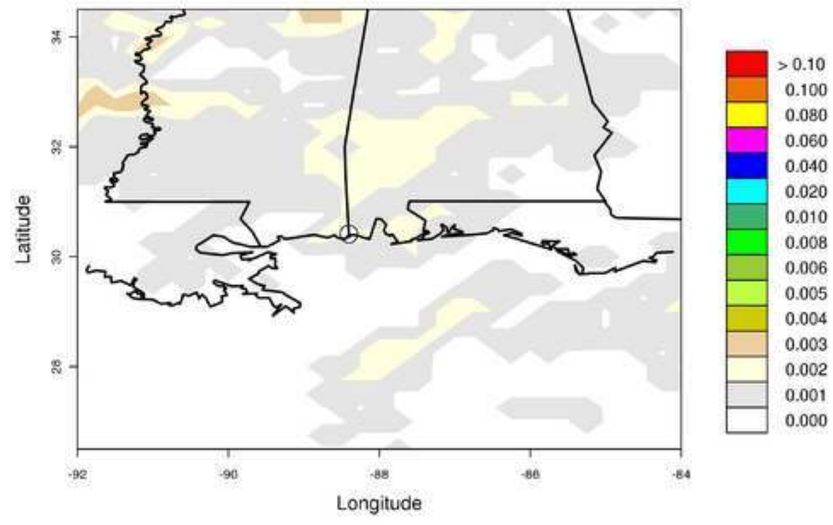
Mixing Heights (m) Estimated with the HYSPLIT Model



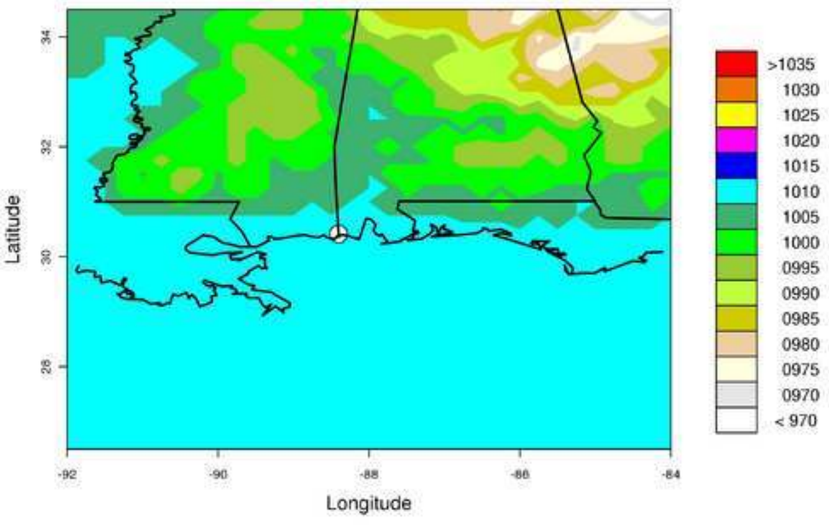
PBLH: Planetary Boundary Layer Height (m)



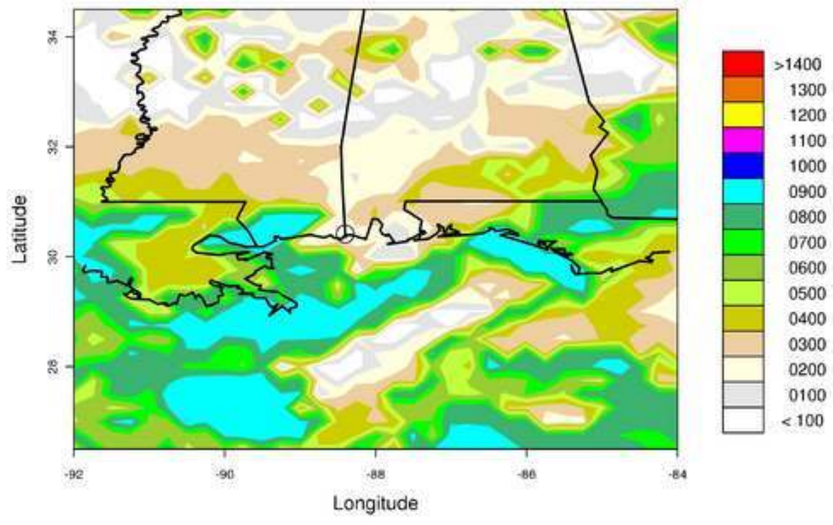
TPP3: 3-hour Accumulated Precipitation (mm)



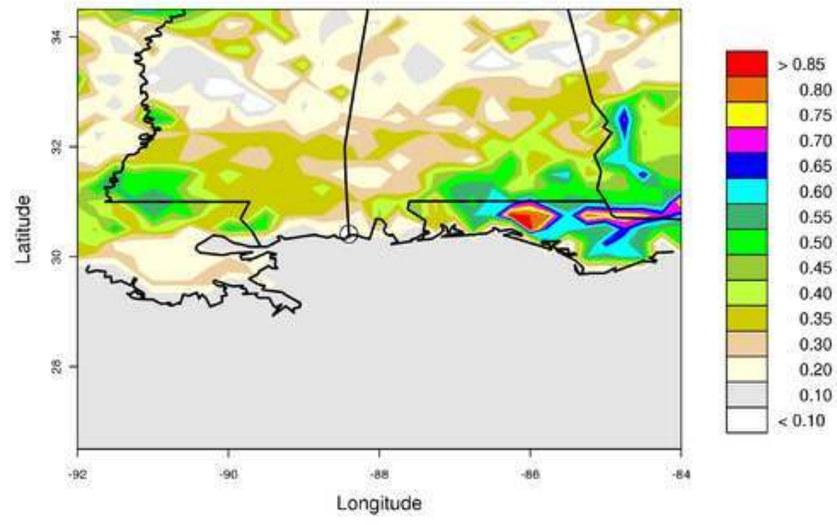
PRSS: Surface Pressure (hPa)

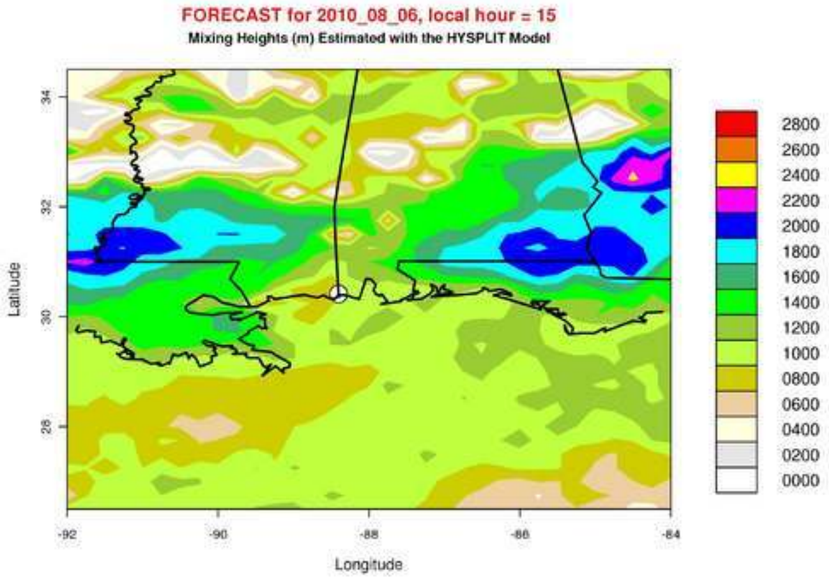


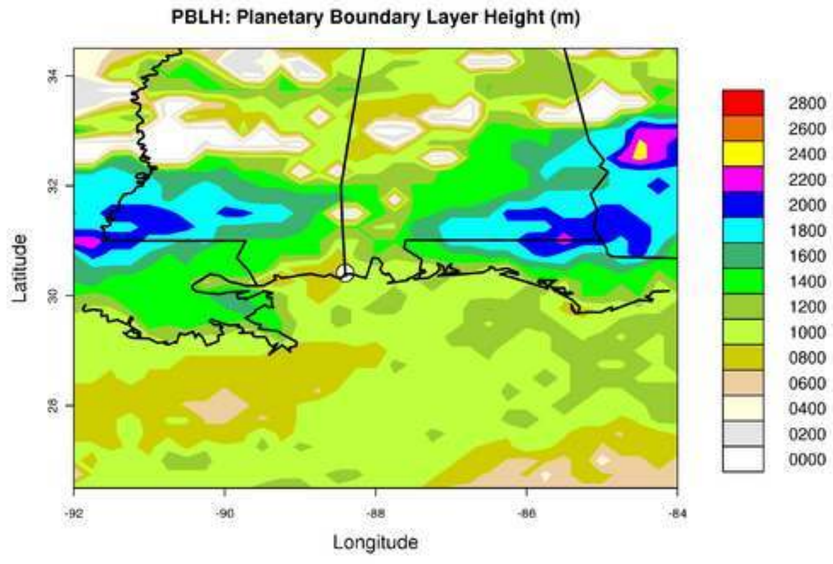
DSWF: Downward Short Wave Radiation Flux (W/m2)

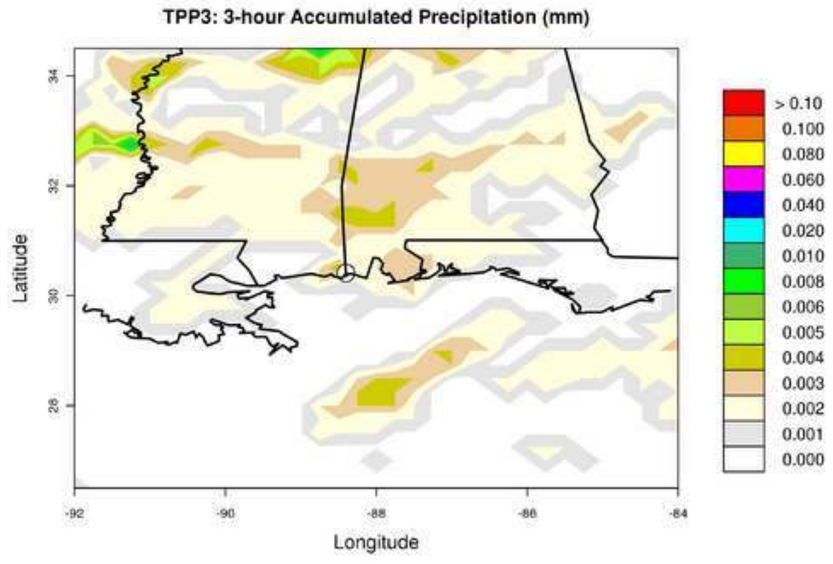


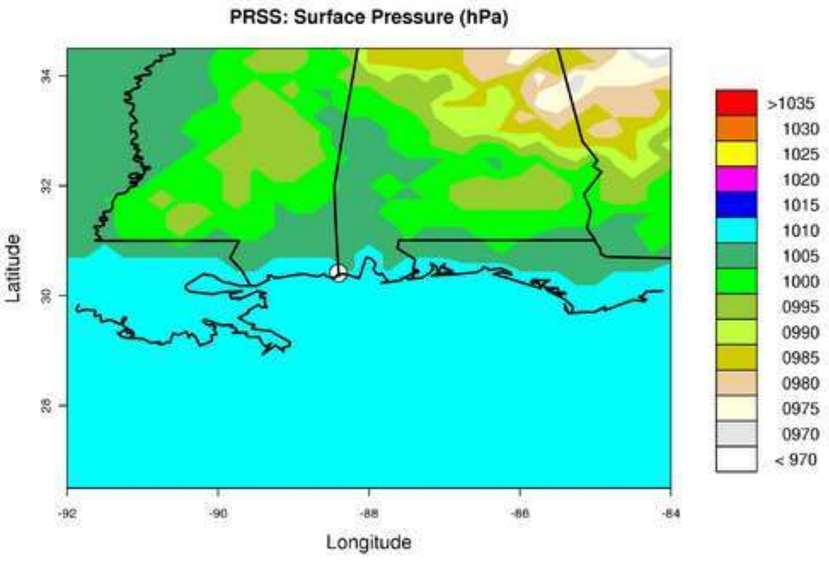
USTR: Friction Velocity (m/sec)

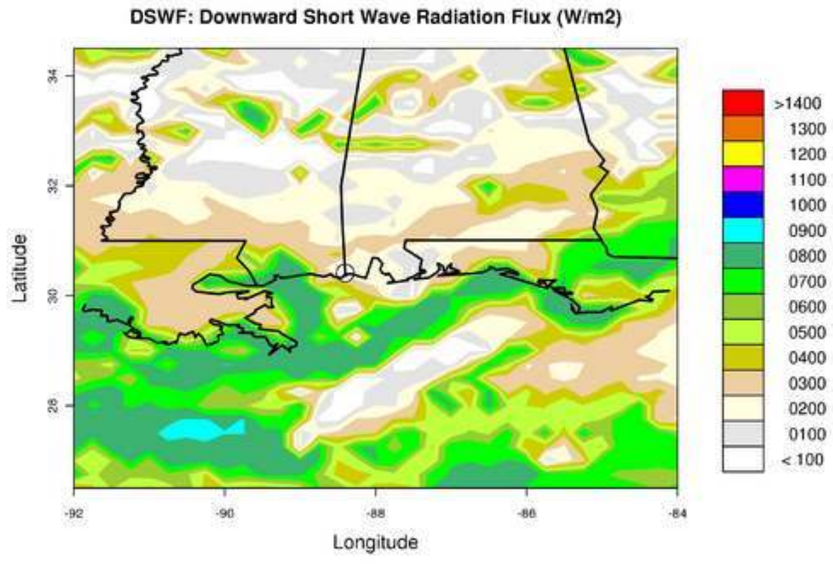


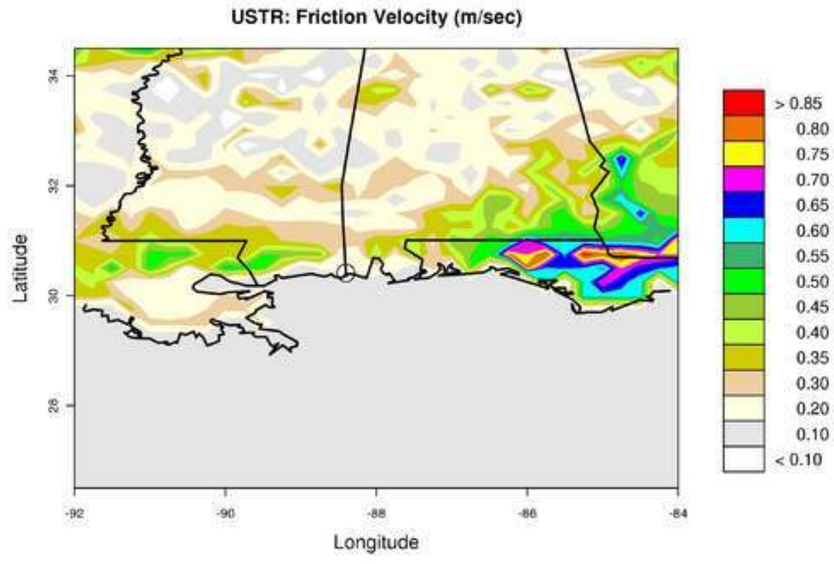

FORECAST for 2010_08_06, local hour = 15
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

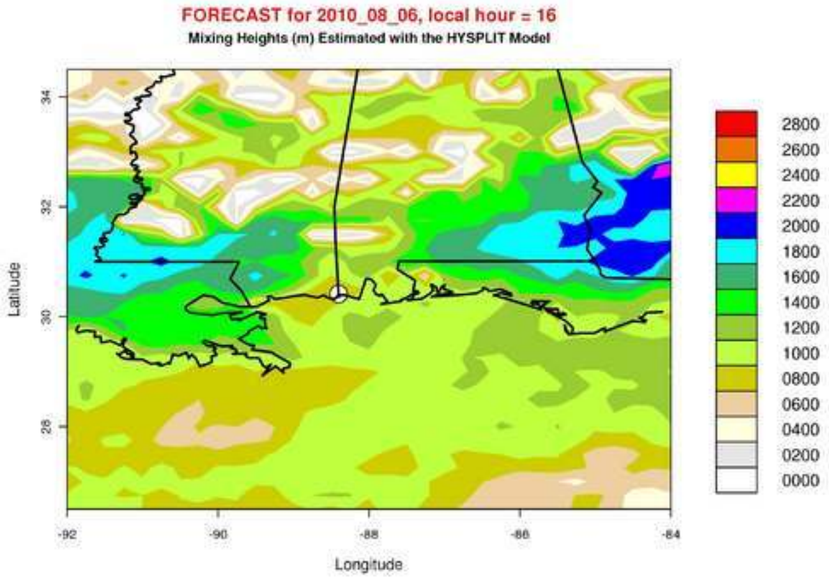

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

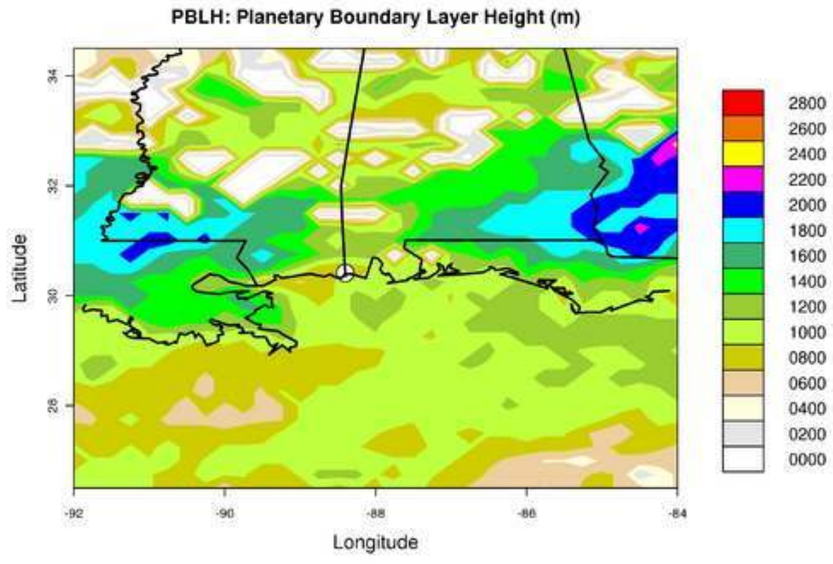

TPP3: 3-hour Accumulated Precipitation (mm)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

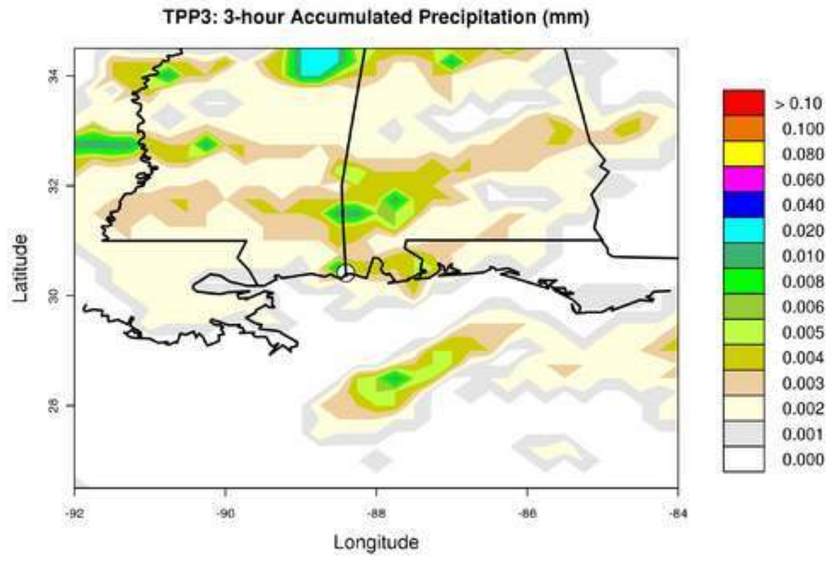

PRSS: Surface Pressure (hPa)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

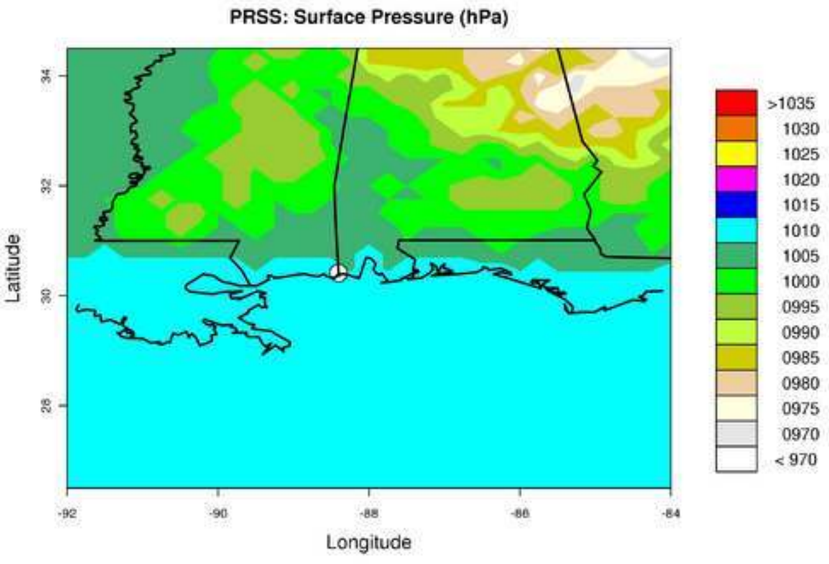

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

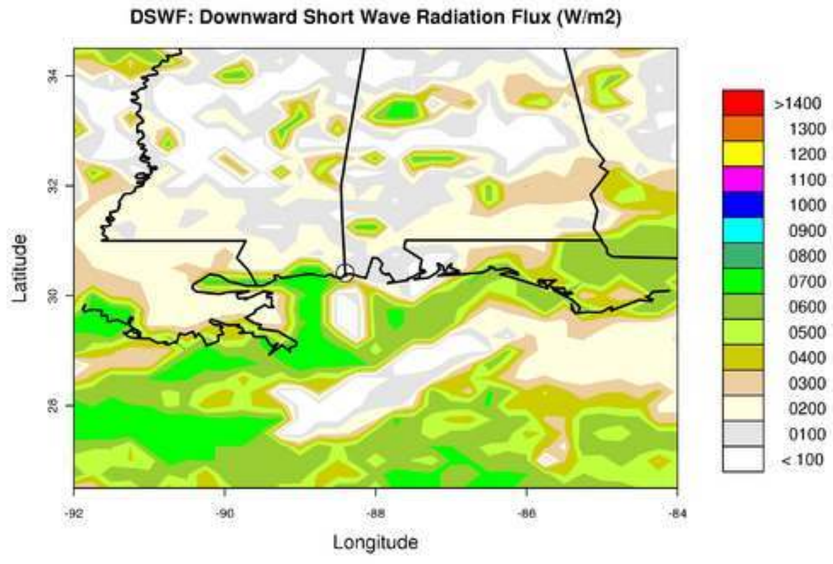

USTR: Friction Velocity (m/sec)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

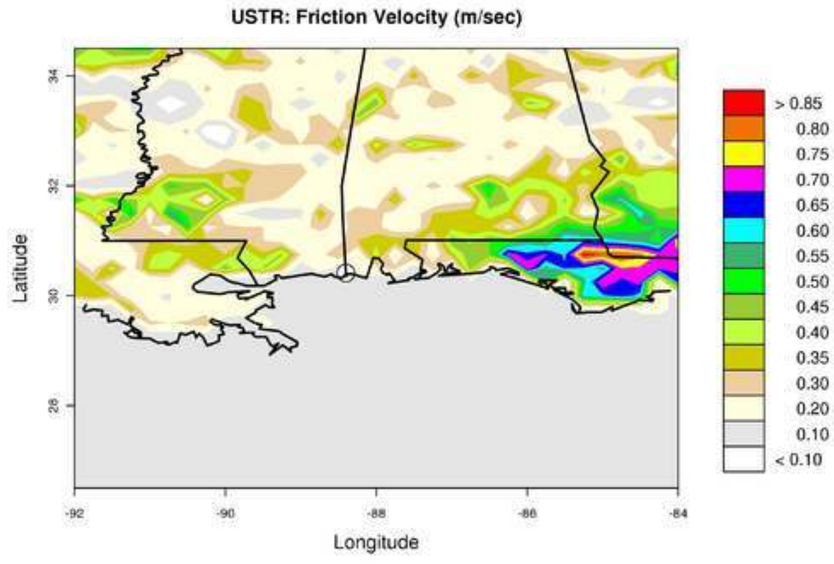

FORECAST for 2010_08_06, local hour = 16
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


TPP3: 3-hour Accumulated Precipitation (mm)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
> 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

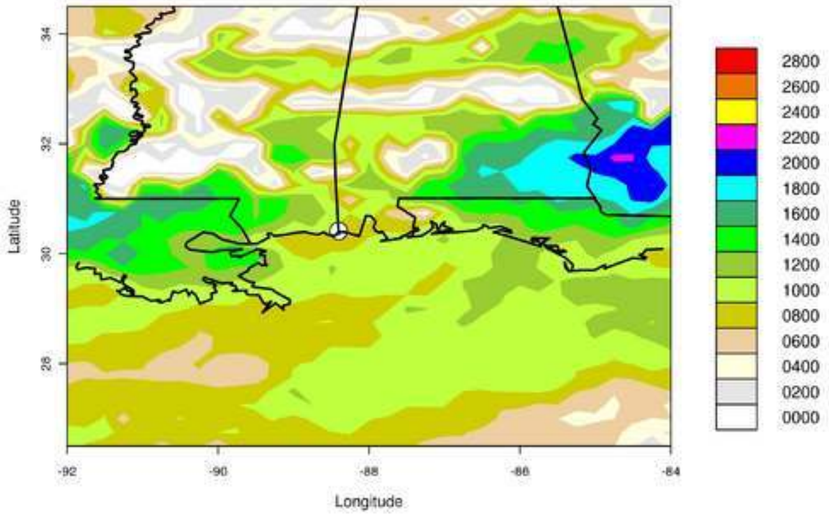

PRSS: Surface Pressure (hPa)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970


DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

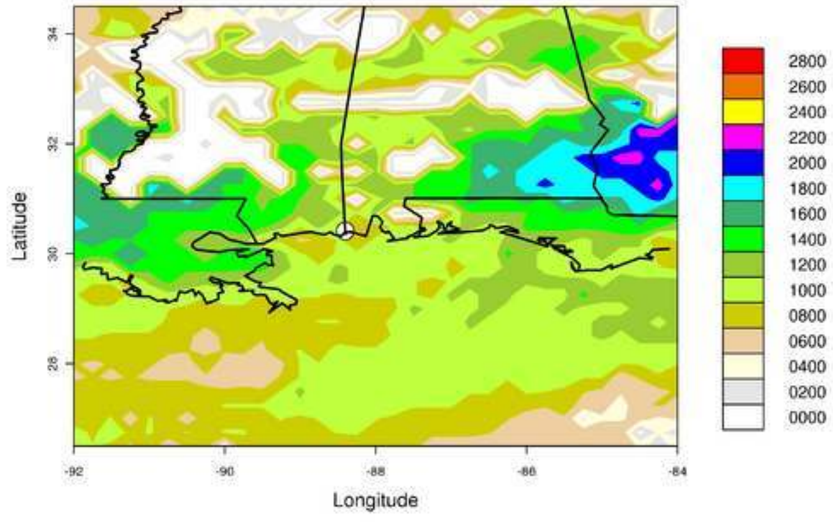

USTR: Friction Velocity (m/sec)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

FORECAST for 2010_08_06, local hour = 17

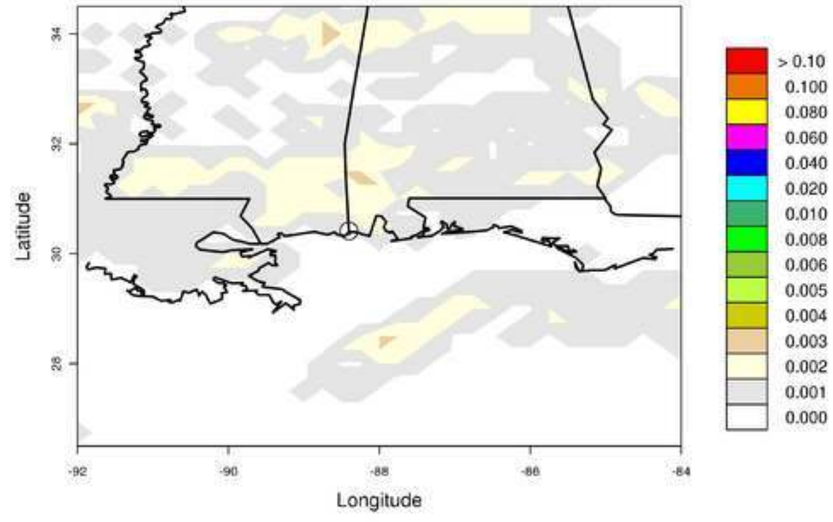
Mixing Heights (m) Estimated with the HYSPLIT Model



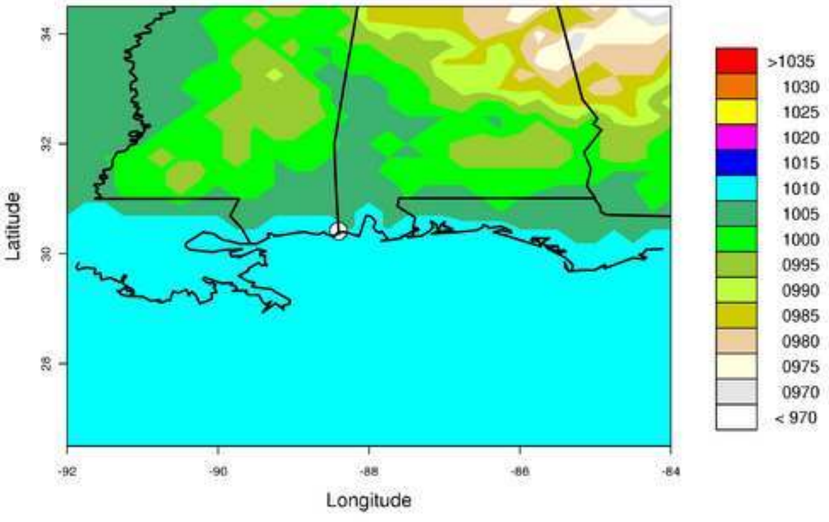
PBLH: Planetary Boundary Layer Height (m)



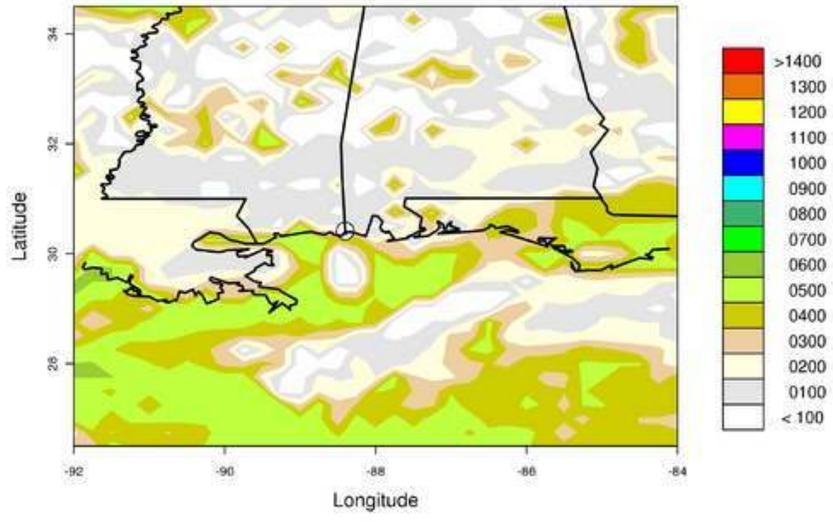
TPP3: 3-hour Accumulated Precipitation (mm)



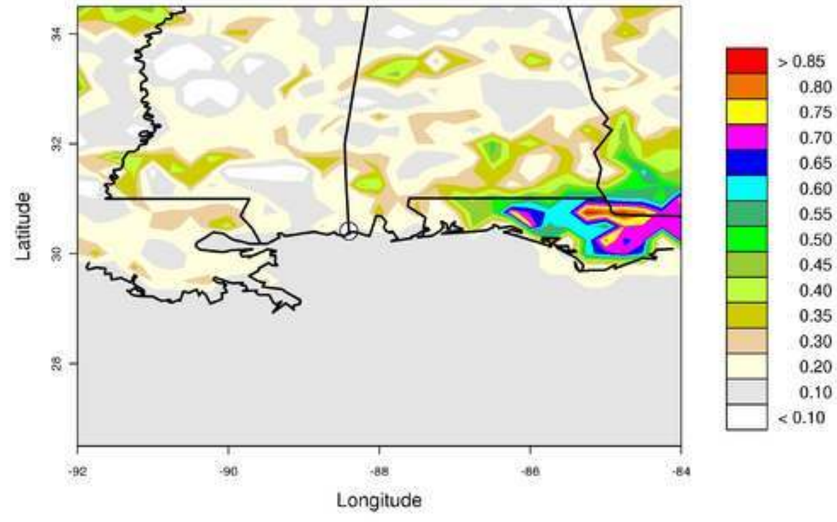
PRSS: Surface Pressure (hPa)

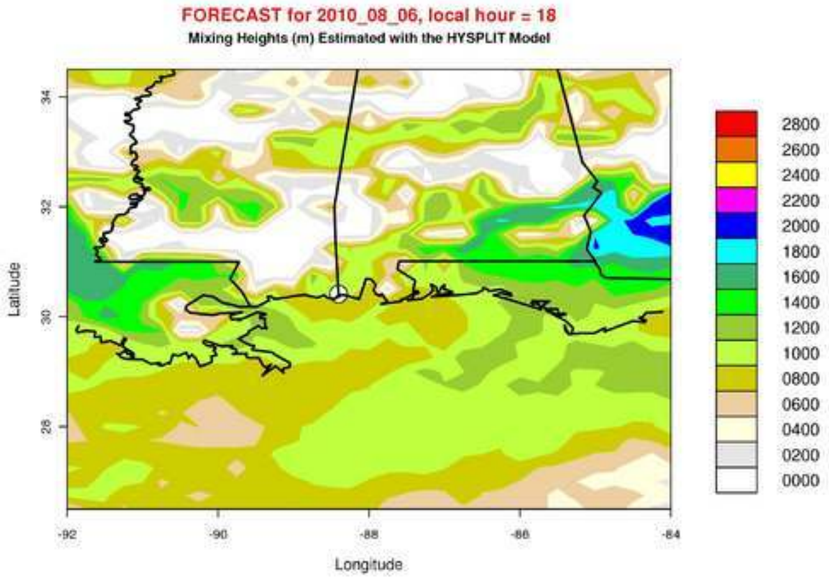


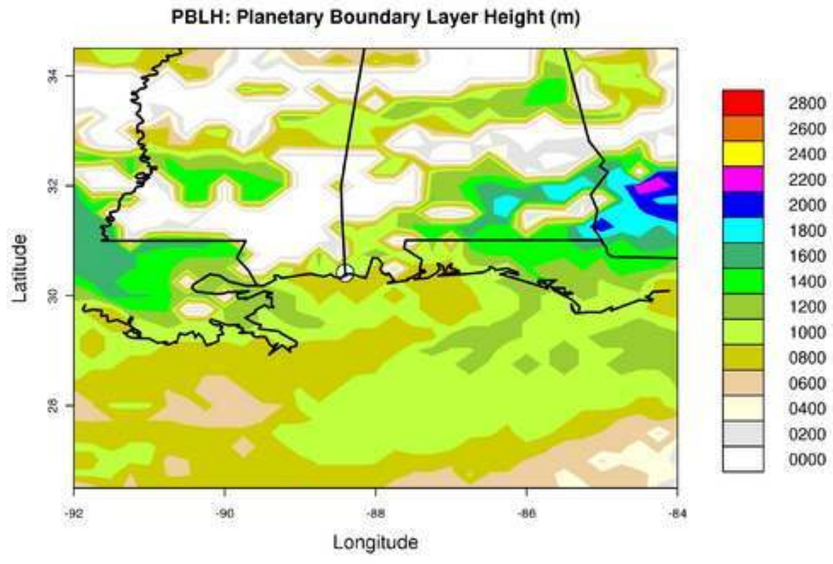
DSWF: Downward Short Wave Radiation Flux (W/m2)

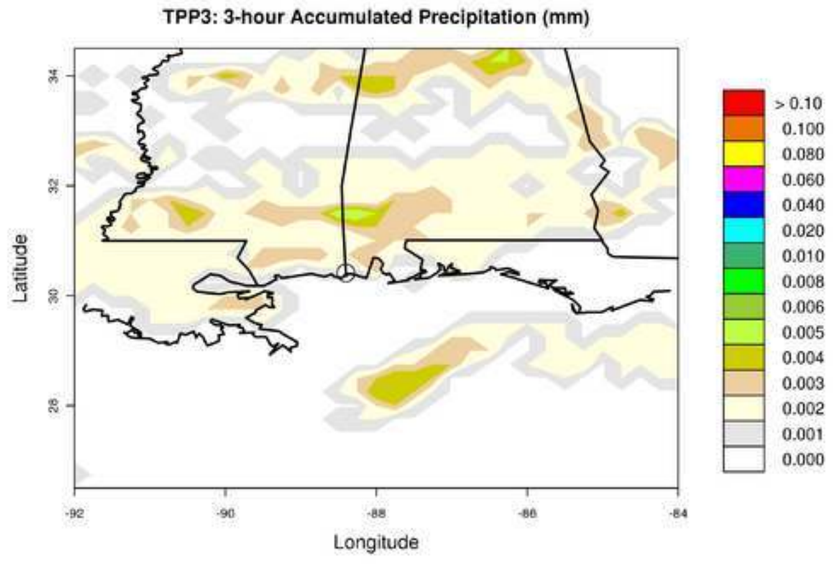


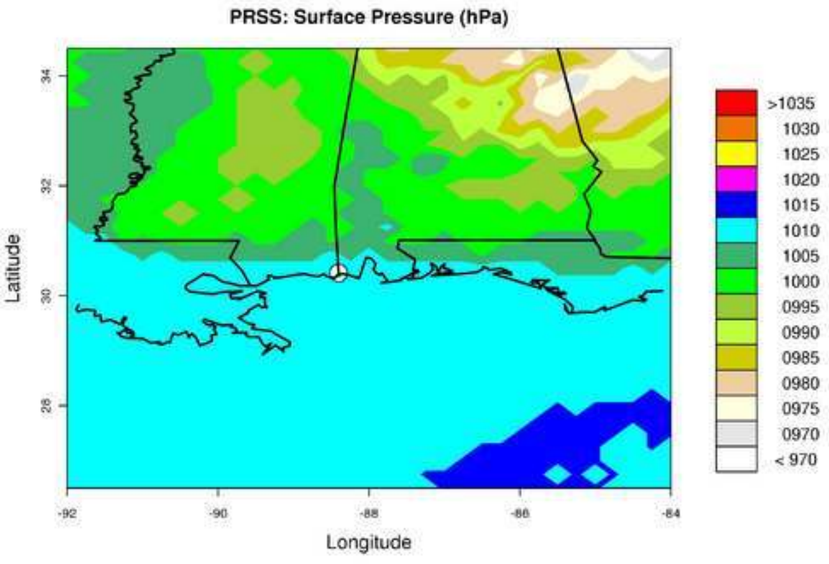
USTR: Friction Velocity (m/sec)

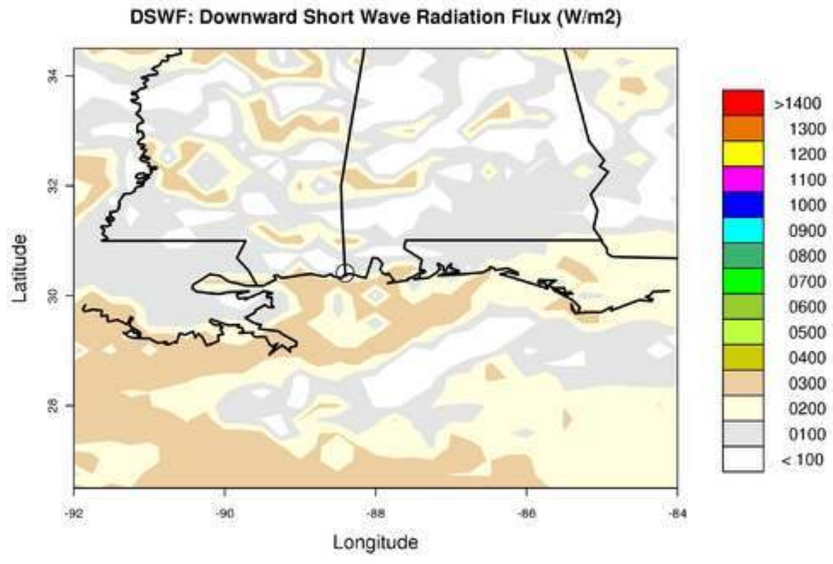


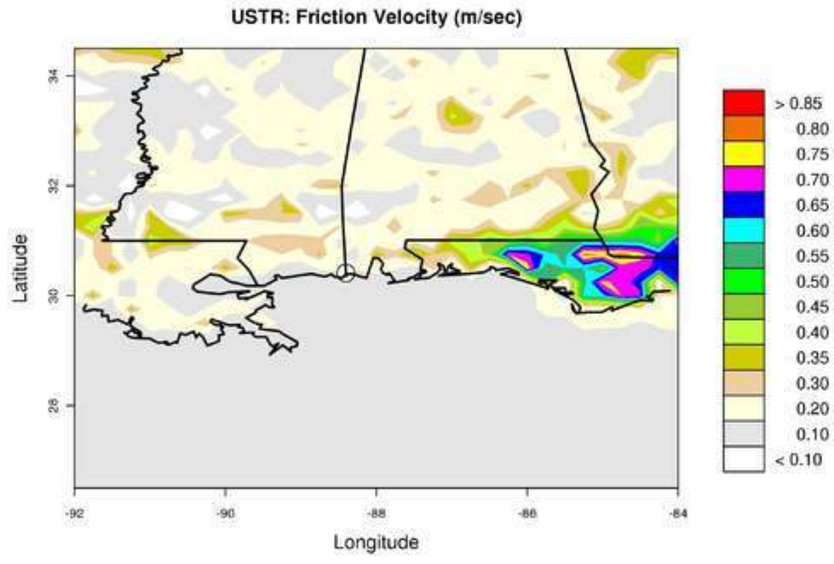

FORECAST for 2010_08_06, local hour = 18
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

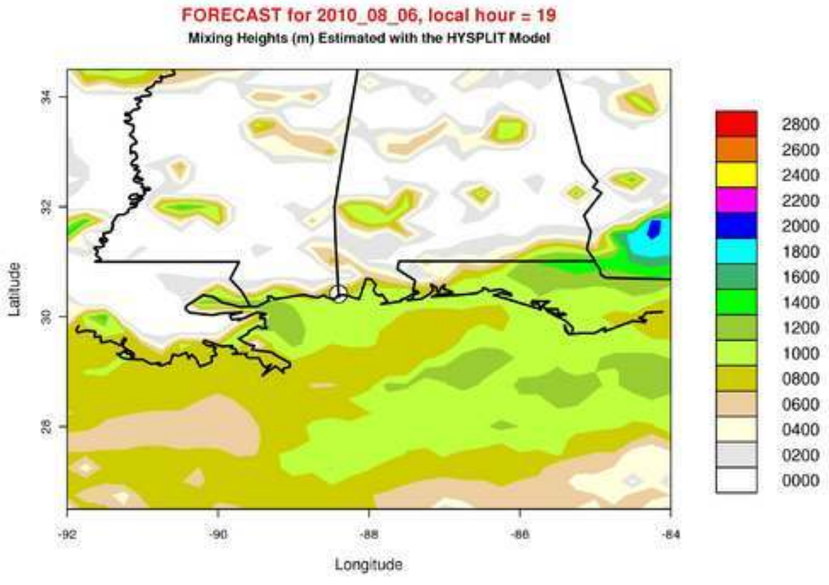

PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000

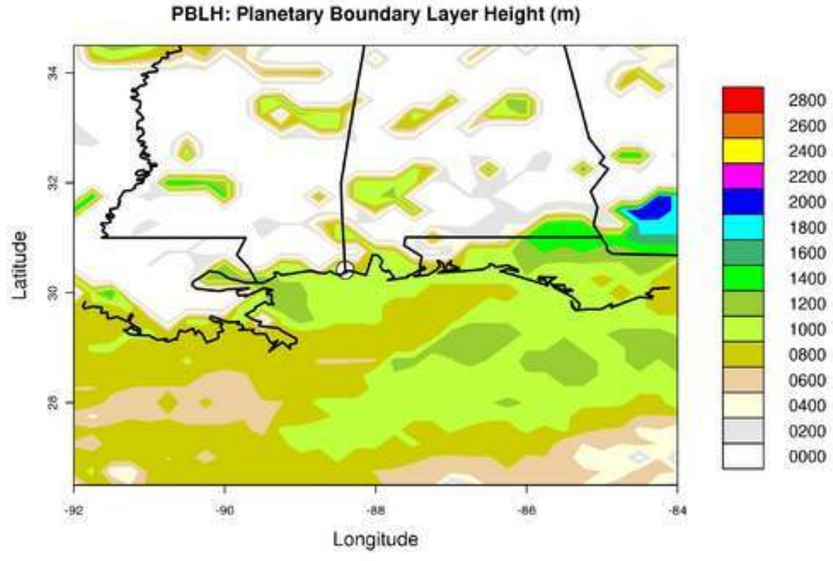

TPP3: 3-hour Accumulated Precipitation (mm)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
> 0.10
0.100
0.080
0.060
0.040
0.020
0.010
0.008
0.006
0.005
0.004
0.003
0.002
0.001
0.000

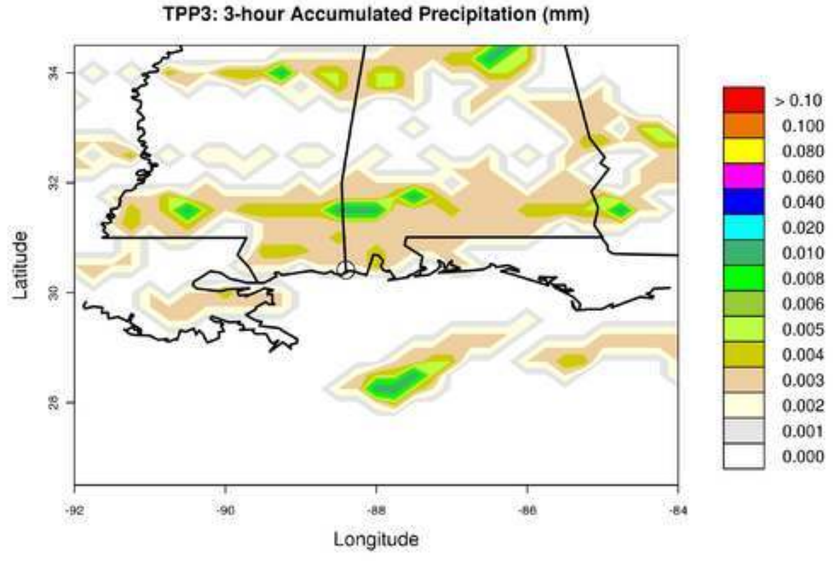

PRSS: Surface Pressure (hPa)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970

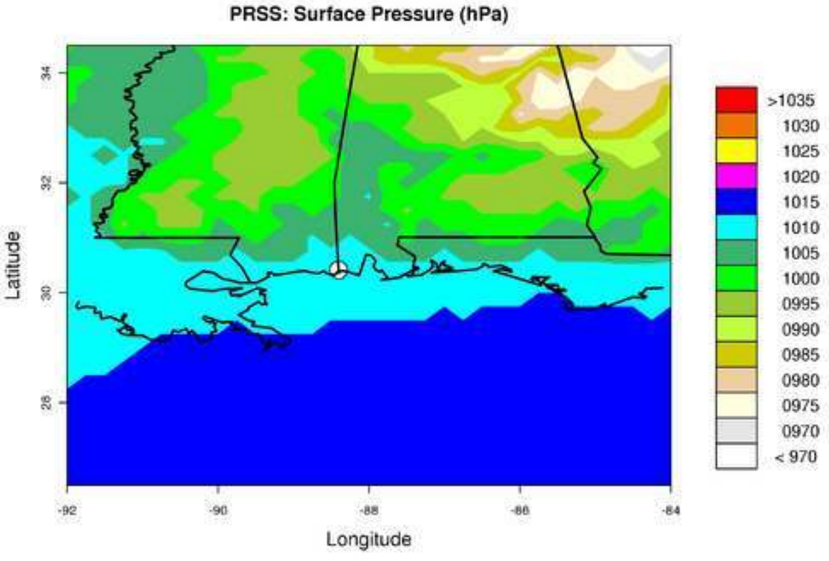

DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

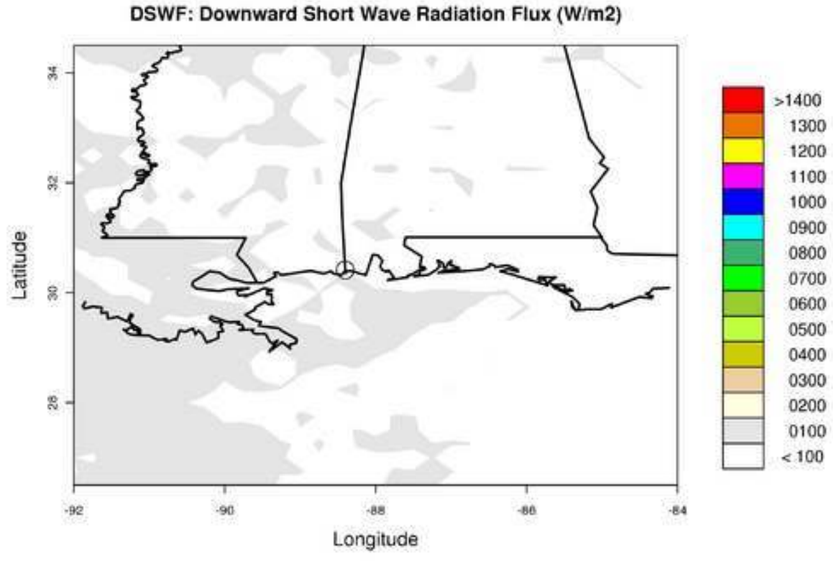

USTR: Friction Velocity (m/sec)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

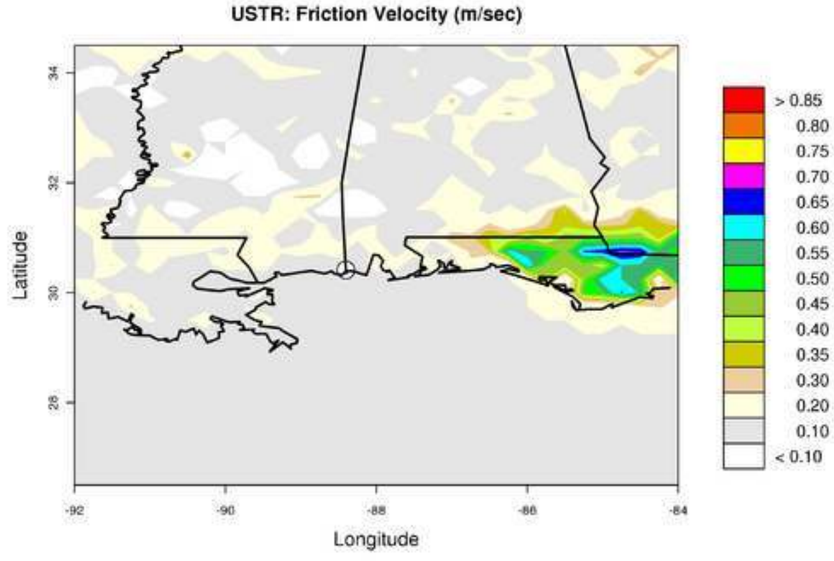

FORECAST for 2010_08_06, local hour = 19
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


PBLH: Planetary Boundary Layer Height (m)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
0800
0600
0400
0200
0000


TPP3: 3-hour Accumulated Precipitation (mm)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
> 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

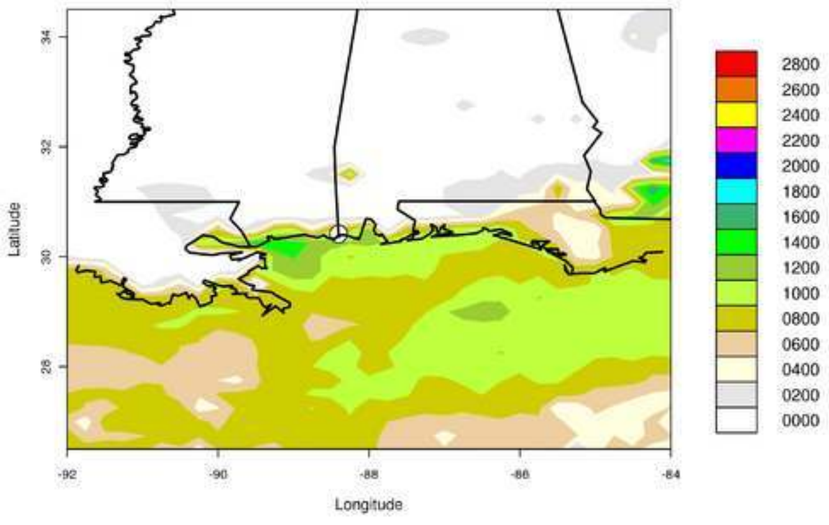

PRSS: Surface Pressure (hPa)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
>1035
1030
1025
1020
1015
1010
1005
1000
0995
0990
0985
0980
0975
0970
< 970


DSWF: Downward Short Wave Radiation Flux (W/m2)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
>1400
1300
1200
1100
1000
0900
0800
0700
0600
0500
0400
0300
0200
0100
< 100

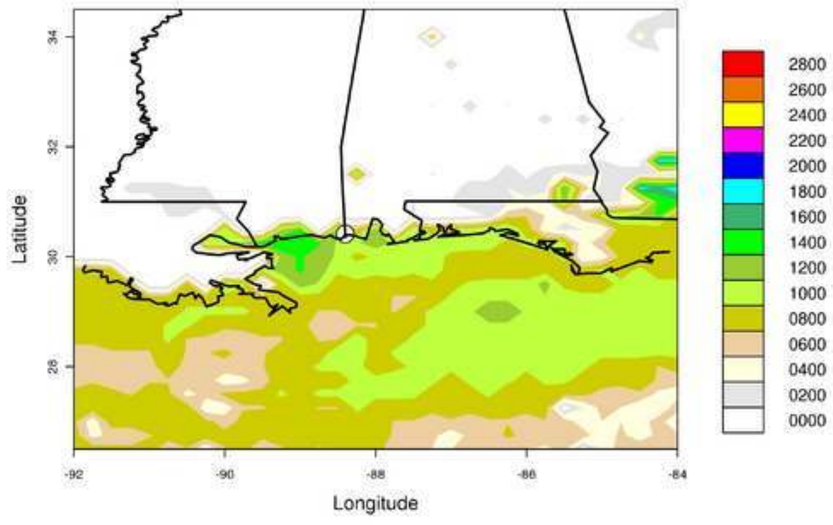

USTR: Friction Velocity (m/sec)
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
> 0.85
0.80
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.20
0.10
< 0.10

FORECAST for 2010_08_06, local hour = 20

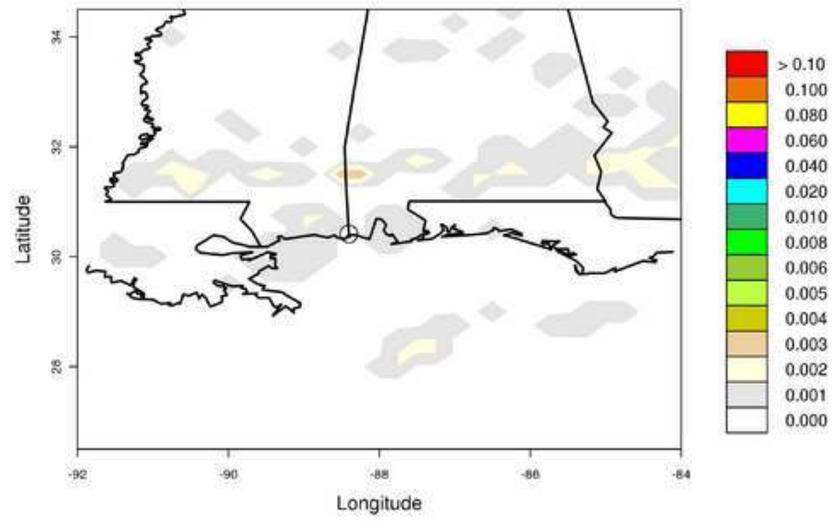
Mixing Heights (m) Estimated with the HYSPLIT Model



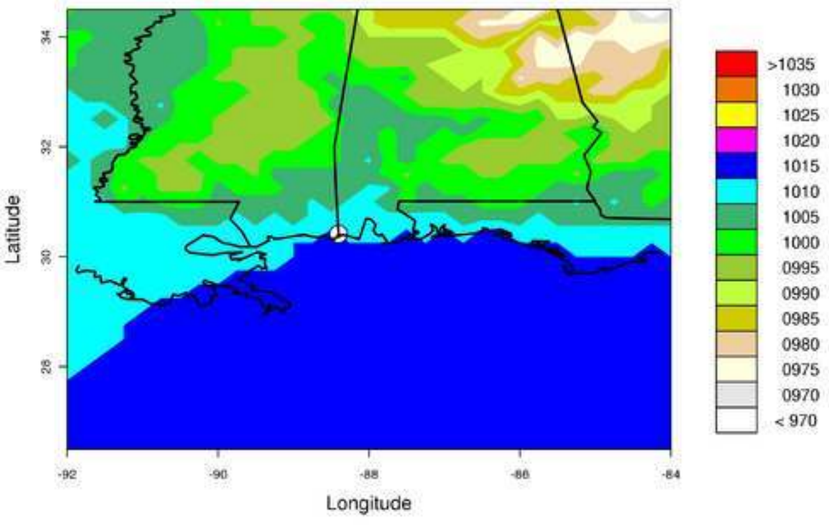
PBLH: Planetary Boundary Layer Height (m)



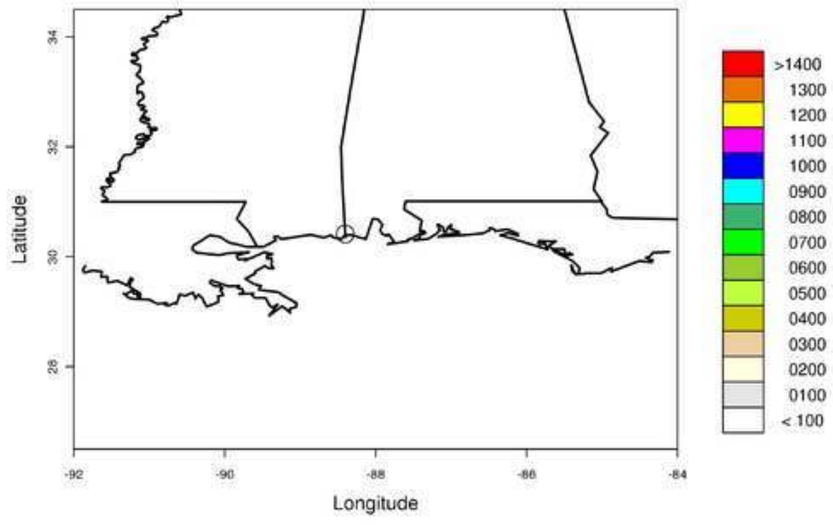
TPP3: 3-hour Accumulated Precipitation (mm)



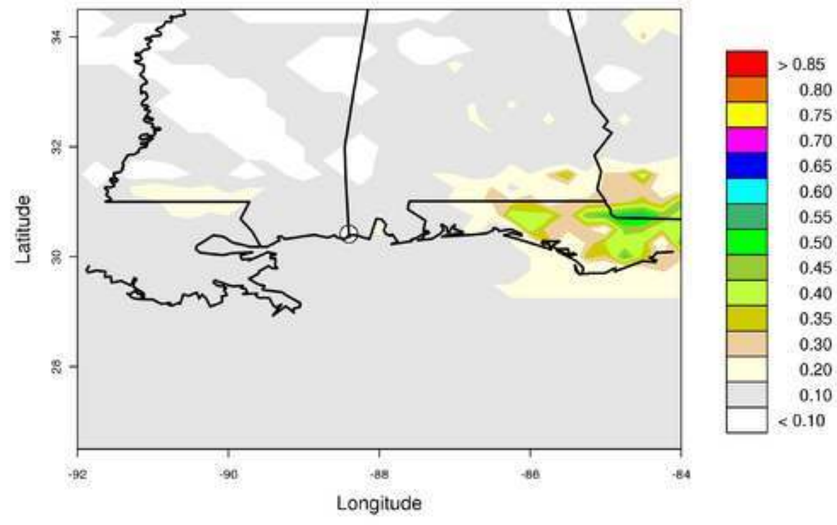
PRSS: Surface Pressure (hPa)



DSWF: Downward Short Wave Radiation Flux (W/m2)



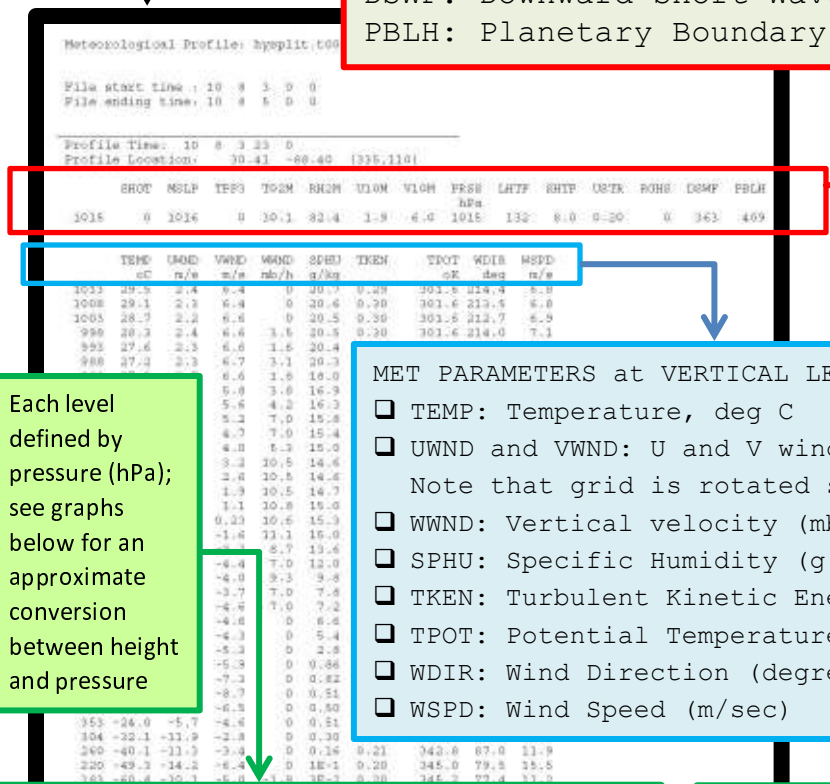
USTR: Friction Velocity (m/sec)



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:

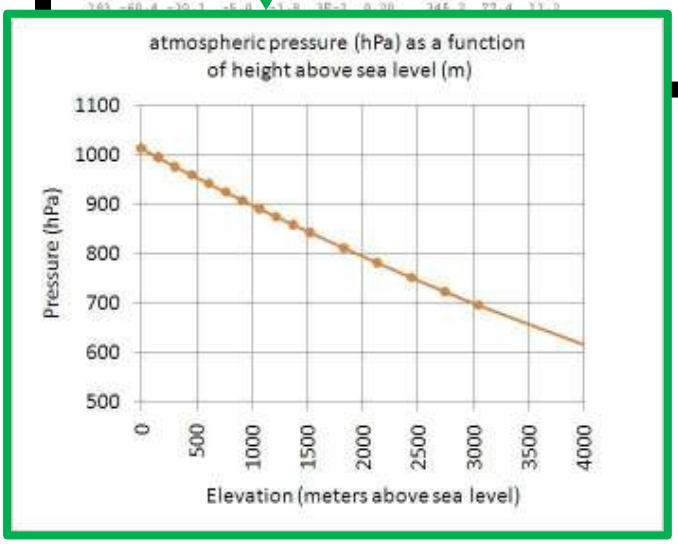
PRSS: Surface Pressure (hPa)
SHGT: Surface Height (m)
MSLP: Mean Sea Level Pressure (hPA)
TPP3: 3-hour Accumulated Precipitation (mm)
T02M: Temperature (deg C)at 2 meter height
RH2M: Relative Humidity (percent) at 2 meter height
U10M: U Wind Component (m/sec) at 10 meter height
V10M: V Wind Component (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)

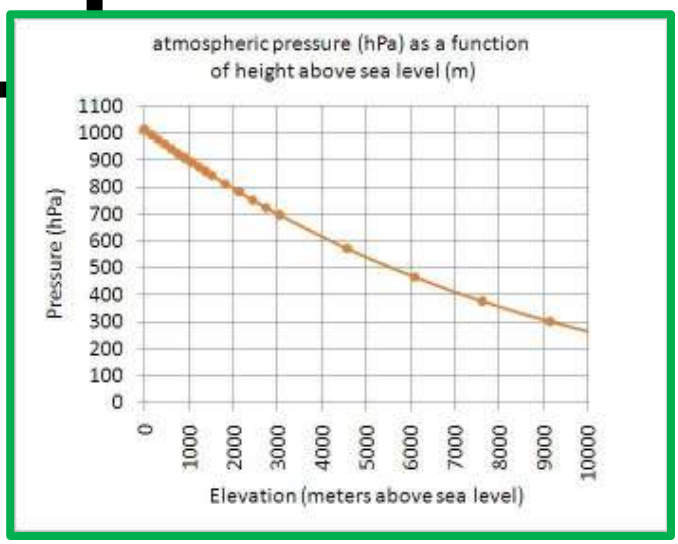


MET PARAMETERS at VERTICAL LEVELS ABOVE THE SURFACE:

- ❑ 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)

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





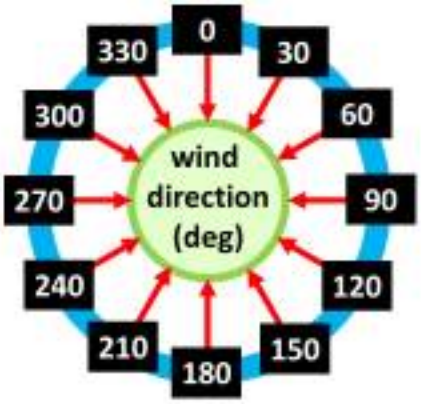
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 6 0 0
File ending time: 10 8 8 0 0

Profile Time: 10 8 6 14 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
								hPa						
1012	0	1013	0	29.1	81.0	3.8	-1.7	1012	152	20.8	0.13	0	40.0	746

	TEMP	UWND	VWND	WWND	SPHU	TKEN	TPOT	WDIR	WSPD
	oC	m/s	m/s	mb/h	g/kg		oK	deg	m/s
1010	28.4	4.2	-1.9	0	19.3	0.33	300.7	308.0	4.6
1005	27.7	4.1	-2.0	0	19.2	0.39	300.4	309.6	4.6
1000	27.5	4.0	-1.9	3.5	19.2	0.39	300.7	309.1	4.5
995	26.9	4.2	-1.8	0	19.2	0.45	300.4	307.5	4.6
990	26.5	4.2	-1.8	0	19.1	0.45	300.5	306.8	4.5
985	26.1	4.3	-1.9	0	18.9	0.45	300.5	308.2	4.7
980	25.8	4.4	-1.8	0	17.8	0.45	300.7	305.6	4.7
975	25.3	4.4	-1.6	0	17.4	0.45	300.7	303.9	4.7
969	25.0	4.5	-1.5	-3.5	17.4	0.45	300.9	302.6	4.8
964	24.2	4.4	-1.6	-3.5	17.3	0	300.6	303.8	4.7
958	23.8	4.4	-1.5	-3.5	16.8	0	300.7	302.6	4.6
952	23.5	4.4	-1.3	-7.0	16.5	0	300.9	300.2	4.6
945	23.1	4.2	-1.2	-7.0	16.3	0.20	301.1	299.2	4.4
938	22.7	4.2	-1.2	-5.3	16.1	0.20	301.2	299.5	4.3
931	22.2	3.9	-0.85	-7.0	15.9	0.20	301.4	296.1	4.0
924	21.6	4.0	-0.30	-10.5	15.6	0.20	301.5	288.1	4.0
915	21.1	3.7	0	-10.5	15.3	0.20	301.8	283.9	3.7
894	20.1	3.0	0.85	-7.0	14.0	0.20	302.8	268.1	3.1
867	18.8	1.6	0.70	-10.5	12.8	0.20	304.1	260.3	1.8
836	17.1	0	1.7	-10.5	11.7	0.20	305.5	193.9	1.7
802	15.1	0	2.6	-10.5	10.6	0.20	307.0	193.9	2.6
766	13.0	0.19	3.5	-10.5	9.5	0.20	308.8	196.9	3.5
727	10.8	0.45	3.5	-11.5	8.3	0.20	311.1	201.2	3.5
686	8.3	0.20	4.3	-10.5	7.1	0.20	313.4	196.4	4.4
642	5.2	-0.44	3.1	-7.0	5.9	0.20	315.9	185.8	3.1
596	1.6	-1.0	0.82	-7.0	4.7	0.20	318.6	142.5	1.3
548	-1.6	-2.0	-1.4	-7.0	4.0	0.20	322.5	69.6	2.4
500	-6.1	-0.22	-1.9	-10.5	3.3	0.20	325.7	20.6	1.9
451	-10.8	0.89	-0.65	-24.4	2.8	0.20	329.5	320.2	1.1
401	-16.6	1.4	-1.9	-42.3	2.0	0.20	333.1	338.6	2.4
352	-23.6	1.9	-2.0	-50.6	1.3	0.20	336.5	330.4	2.8
303	-31.4	0	-1.6	-49.2	0.77	0.20	340.0	13.9	1.6
259	-40.8	-2.3	-2.3	-35.2	0.30	0.20	342.0	59.1	3.3
220	-49.9	-10.0	-2.1	-17.6	0.11	0.20	344.5	92.2	10.2
182	-60.4	-15.5	-5.4	-3.1	4E-2	0.20	346.2	84.5	16.4
138	-72.9	-8.8	-4.6	4.0	1E-2	0.20	353.1	76.5	9.9
88	-68.5	-7.4	-4.7	0.29	1E-2	0.20	410.4	71.8	8.8
63	-61.9	-15.6	-1.6	-0.14	1E-2	0.20	466.3	98.2	15.6
38	-46.9	-25.8	-8.8	0.12	2E-2	0.20	578.0	85.1	27.3



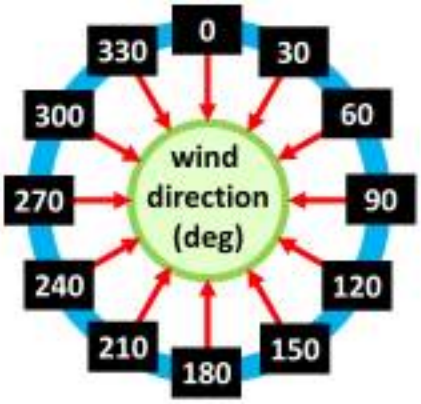
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 6 0 0
File ending time: 10 8 8 0 0

Profile Time: 10 8 6 15 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
								hPa						
1016	0	1014	1E-3	29.3	75.0	2.8	-1.6	1016	168	20.9	0.13	0	48.0	916

	TEMP	UWND	VWND	WWND	SPHU	TKEN	TPOT	WDIR	WSPD
	oC	m/s	m/s	mb/h	g/kg		oK	deg	m/s
1013	28.6	3.1	-1.9	2.7	17.8	0.39	300.6	315.9	3.6
1008	28.2	3.0	-1.8	2.6	17.8	0.45	300.6	314.9	3.5
1003	27.7	3.2	-1.7	4.4	17.7	0.45	300.6	312.8	3.6
999	27.3	3.1	-1.9	2.6	17.6	0.45	300.6	315.0	3.7
994	26.7	3.1	-1.8	6.4	17.7	0.45	300.4	314.7	3.6
988	26.4	2.9	-1.9	3.5	17.7	0.45	300.5	317.4	3.5
983	25.8	3.1	-1.7	6.0	17.6	0.45	300.4	313.2	3.5
978	25.3	3.0	-1.7	6.7	17.5	0.45	300.4	313.6	3.4
972	25.0	3.1	-1.7	7.0	17.6	0.45	300.5	312.0	3.6
967	24.4	3.1	-1.7	7.0	17.5	0.45	300.5	312.4	3.6
961	23.8	3.0	-1.7	7.0	17.5	0.45	300.4	313.6	3.5
955	23.3	2.9	-1.8	10.5	17.5	0.45	300.4	315.3	3.5
948	22.8	3.0	-1.6	7.3	16.8	0.45	300.5	313.0	3.4
941	22.6	3.2	-1.4	7.5	15.0	0.20	300.9	308.4	3.5
934	22.2	3.1	-0.90	7.2	14.9	0.20	301.1	299.9	3.3
927	21.7	3.2	-0.39	10.5	14.5	0.20	301.4	290.9	3.2
918	21.3	2.8	0.13	7.0	14.4	0.20	301.7	281.2	2.8
897	20.1	2.4	1.2	3.0	13.5	0.20	302.6	258.1	2.7
870	18.7	1.7	1.2	0	12.7	0.20	303.7	247.7	2.1
839	16.9	0.42	2.3	0	11.7	0.20	305.0	204.3	2.3
805	14.9	0.36	3.5	0	10.8	0.20	306.5	199.7	3.6
768	12.6	0.58	3.9	0	9.6	0.20	308.2	202.3	4.0
729	10.5	0.99	3.4	0	8.5	0.20	310.5	210.2	3.5
688	7.9	1.1	4.0	0	7.2	0.20	312.8	208.9	4.1
644	5.0	1.2	2.9	0	6.0	0.20	315.4	216.6	3.1
598	1.6	0.62	0.68	2.5	4.8	0.20	318.2	236.3	0.9
550	-0.91	-1.7	-0.47	3.5	5.0	0.20	323.0	88.1	1.7
501	-6.2	0.33	-2.1	3.5	3.9	0.20	325.2	5.0	2.2
452	-11.4	1.2	-2.3	10.5	3.3	0.20	328.4	345.5	2.6
403	-17.0	0.72	-2.4	16.4	2.2	0.20	332.3	357.4	2.5
353	-23.6	1.3	-2.0	7.0	1.3	0.20	336.1	341.4	2.4
304	-31.8	-0.76	-1.6	2.2	0.70	0.20	339.2	39.8	1.7
260	-40.8	-3.9	-1.5	3.6	0.25	0.21	341.7	82.5	4.2
220	-49.4	-11.3	-1.0	0	1E-1	0.20	344.8	98.7	11.3
183	-59.9	-16.2	-3.6	0	4E-2	0.20	346.6	91.3	16.6
138	-72.5	-6.9	-5.0	0	1E-2	0.20	353.5	68.1	8.5
88	-68.8	-8.8	-4.0	0	1E-2	0.20	409.3	79.3	9.7
63	-61.8	-15.8	-2.4	1E-1	1E-2	0.20	466.2	95.2	16.0
38	-46.3	-25.8	-8.0	-0.24	2E-2	0.20	578.9	86.7	27.0



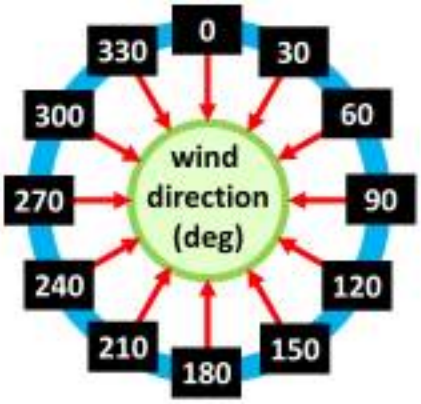
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 6 0 0
File ending time: 10 8 8 0 0

Profile Time: 10 8 6 16 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
								hPa						
1016	0	1014	5E-4	29.5	73.0	2.7	-0.96	1016	158	13.4	0.13	0	392	947

	TEMP	UWND	VWND	WWND	SPHU	TKEN	TPOT	WDIR	WSPD
	oC	m/s	m/s	mb/h	g/kg		oK	deg	m/s
1014	28.6	2.9	-0.93	1.6	17.7	0.39	300.6	301.9	3.0
1009	28.2	3.0	-1.1	0	17.7	0.51	300.6	303.5	3.2
1004	27.8	2.9	-1.0	3.5	17.6	0.45	300.6	303.2	3.1
999	27.4	2.9	-0.96	2.6	17.5	0.45	300.6	302.4	3.0
994	26.9	2.9	-1.1	3.5	17.5	0.45	300.6	304.7	3.1
989	26.3	2.9	-0.88	3.5	17.5	0.58	300.5	300.6	3.0
983	26.0	2.9	-0.87	3.5	17.5	0.58	300.6	300.9	3.0
978	25.5	2.8	-0.82	3.5	17.4	0.58	300.5	300.0	3.0
973	24.9	2.9	-0.84	3.5	17.5	0.58	300.4	300.3	3.0
967	24.6	2.8	-0.81	5.3	17.4	0.58	300.6	300.2	2.9
961	24.0	2.8	-0.89	5.3	17.3	0.58	300.5	301.6	2.9
955	23.4	2.9	-0.88	5.3	17.4	0.58	300.5	300.7	3.0
948	22.8	2.8	-0.98	5.0	17.1	0.58	300.4	302.9	3.0
942	22.6	3.1	-0.96	5.3	15.2	0.45	300.8	301.2	3.2
935	22.2	3.1	-0.67	7.0	14.8	0.20	301.1	296.0	3.2
927	21.7	3.0	0	3.5	14.5	0.20	301.4	283.9	3.0
918	21.3	3.1	0.35	3.5	14.4	0.20	301.7	277.4	3.1
897	20.0	3.0	1.7	0	13.7	0.20	302.5	254.8	3.4
870	18.5	2.1	2.0	0	12.9	0.20	303.5	240.8	2.9
839	16.8	1.2	2.8	-3.1	11.9	0.20	304.9	217.9	3.0
805	14.9	1.5	4.0	-3.5	11.0	0.20	306.5	214.6	4.3
769	12.8	1.7	4.8	0	9.9	0.20	308.3	213.5	5.1
730	10.5	1.1	3.9	-7.0	8.7	0.20	310.4	209.4	4.1
689	7.9	1.5	4.3	-2.6	7.5	0.20	312.7	213.2	4.5
645	5.0	1.8	2.8	-3.5	6.2	0.20	315.3	226.8	3.3
598	1.6	1.3	0.27	-3.5	4.9	0.20	318.2	272.1	1.3
550	-1.1	-1.4	-0.44	0	5.2	0.20	322.7	85.9	1.4
502	-6.5	0.18	-1.9	3.2	4.0	0.20	324.9	8.5	1.9
453	-10.9	0.73	-1.5	6.4	3.2	0.20	329.0	348.2	1.7
403	-16.4	0.77	-1.9	8.3	2.0	0.20	333.0	351.9	2.1
353	-23.4	1.1	-2.8	2.4	1.1	0.20	336.4	353.2	3.0
305	-31.7	-1.9	-2.8	0	0.62	0.20	339.2	49.0	3.4
260	-40.7	-5.7	-2.3	2.9	0.21	0.21	341.9	81.9	6.2
220	-49.6	-10.4	-0.97	2.5	1E-1	0.20	344.5	98.5	10.5
183	-60.0	-15.7	-2.1	1.8	4E-2	0.20	346.5	96.1	15.8
138	-72.5	-7.4	-4.8	-1.2	1E-2	0.20	353.4	70.9	8.8
88	-68.2	-10.1	-2.6	1E-1	1E-2	0.20	410.4	89.5	10.5
63	-61.4	-15.1	-4.1	0.23	1E-2	0.20	466.8	88.6	15.7
38	-46.8	-26.4	-7.1	0	2E-2	0.20	577.6	88.7	27.3



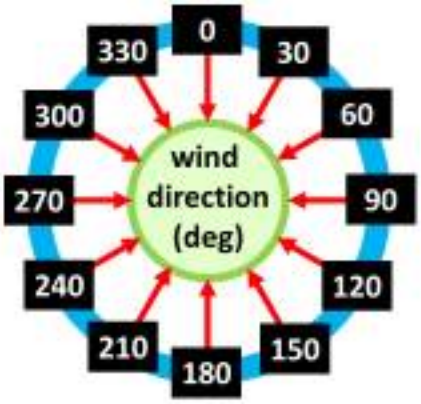
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 6 0 0
File ending time: 10 8 8 0 0

Profile Time: 10 8 6 17 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
								hPa						
1013	0	1013	0	29.4	73.0	2.5	0	1013	160	12.8	0.11	0	494	947

	TEMP	UWND	VWND	WWND	SPHU	TKEN	TPOT	WDIR	WSPD
	oC	m/s	m/s	mb/h	g/kg		oK	deg	m/s
1011	28.7	2.6	0.23	1.8	17.7	0.33	300.9	278.7	2.6
1006	28.3	2.7	0	0.88	17.5	0.39	300.9	283.9	2.7
1001	27.9	2.6	0.23	2.6	17.5	0.45	300.9	278.9	2.6
996	27.4	2.8	0	5.3	17.5	0.45	300.9	283.9	2.8
991	27.1	2.7	0.17	4.4	17.5	0.45	301.0	280.3	2.7
986	26.6	2.7	0.26	5.6	17.4	0.45	301.0	278.4	2.7
981	26.1	2.6	0.15	5.3	17.3	0.45	300.8	280.5	2.6
976	25.6	2.7	0.16	3.5	17.3	0.45	300.9	280.5	2.7
970	25.1	2.7	0.23	7.0	17.3	0.45	300.8	279.0	2.7
965	24.6	2.5	0.13	5.3	17.3	0.45	300.9	280.9	2.5
959	24.1	2.6	0.25	7.0	17.3	0.45	300.8	278.4	2.6
953	23.5	2.7	0.19	5.3	17.3	0.45	300.8	279.8	2.7
946	22.8	2.6	0	7.0	17.3	0.45	300.7	283.9	2.6
939	22.7	2.7	0.21	8.8	15.2	0.45	301.2	279.5	2.7
932	22.3	2.8	0.24	4.7	14.8	0.20	301.4	279.0	2.8
925	21.9	2.8	0.73	5.3	14.5	0.20	301.7	269.4	2.9
916	21.4	2.9	1.2	5.3	14.3	0.20	302.1	262.1	3.1
895	20.1	3.3	2.5	3.5	13.7	0.20	302.8	247.2	4.1
868	18.5	2.8	2.7	3.5	13.1	0.20	303.8	240.1	3.9
837	16.8	2.3	3.3	3.5	12.2	0.20	305.1	228.9	4.0
803	14.8	2.7	4.4	7.0	11.3	0.20	306.6	225.2	5.1
767	12.7	3.0	5.2	10.5	10.2	0.20	308.4	223.5	6.0
728	10.5	1.9	4.5	0	9.0	0.20	310.6	216.4	4.9
687	7.9	1.9	4.0	0	7.9	0.20	312.9	219.6	4.4
643	4.9	2.1	2.6	0	6.4	0.20	315.5	232.7	3.3
597	1.6	1.6	0	0	4.9	0.20	318.5	283.9	1.6
549	-1.1	-1.3	-0.97	3.1	5.2	0.20	323.0	67.1	1.6
500	-6.1	-0.70	-1.7	3.3	4.0	0.20	325.5	36.0	1.9
451	-10.4	-0.15	-1.4	5.7	3.0	0.20	329.9	19.8	1.4
402	-16.0	0	-2.1	4.8	1.7	0.20	333.8	13.9	2.1
352	-23.2	-0.35	-3.5	2.3	0.88	0.20	336.9	19.6	3.5
304	-31.7	-2.3	-3.5	2.2	0.48	0.20	339.5	47.2	4.1
259	-40.5	-5.7	-3.4	5.3	0.19	0.17	342.4	73.4	6.7
220	-49.4	-9.1	0	4.0	1E-1	0.20	345.0	103.9	9.1
183	-59.7	-14.8	-2.1	0	3E-2	0.20	347.2	95.7	15.0
138	-73.2	-9.2	-4.1	-3.0	1E-2	0.20	352.6	79.7	10.1
88	-68.4	-9.6	-0.15	1.9	1E-2	0.20	410.3	103.0	9.6
63	-60.2	-14.6	-2.8	0.25	1E-2	0.20	469.8	93.0	14.8
38	-46.9	-26.6	-6.8	-0.11	2E-2	0.20	577.8	89.5	27.4



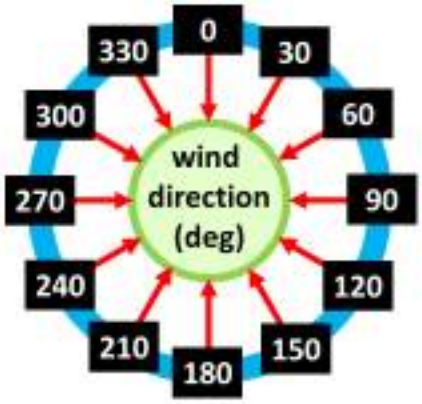
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 6 0 0
File ending time: 10 8 8 0 0

Profile Time: 10 8 6 18 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
								hPa						
1014	0	1013	0	29.7	73.0	2.5	0.61	1014	162	12.1	0.11	0	559	917

	TEMP	UWND	VWND	WWND	SPHU	TKEN	TPOT	WDIR	WSPD
	oC	m/s	m/s	mb/h	g/kg		oK	deg	m/s
1012	28.8	2.8	0.69	0	17.6	0.33	300.9	269.9	2.9
1007	28.4	2.7	0.57	0.88	17.6	0.39	301.0	271.9	2.8
1002	28.0	2.6	0.66	0	17.6	0.43	300.9	269.6	2.7
997	27.6	2.8	0.51	0	17.5	0.55	301.0	273.6	2.9
992	27.1	2.7	0.55	0	17.5	0.45	301.0	272.5	2.8
987	26.7	2.6	0.70	0	17.5	0.45	301.0	268.7	2.7
982	26.2	2.6	0.68	0	17.5	0.45	300.9	269.2	2.7
976	25.8	2.7	0.61	0	17.4	0.45	301.0	271.0	2.7
971	25.2	2.6	0.61	0	17.5	0.45	300.9	270.6	2.7
965	24.7	2.6	0.57	1.8	17.4	0.45	300.9	271.3	2.6
959	24.1	2.8	0.69	1.8	17.2	0.45	300.8	269.7	2.8
953	23.5	2.6	0.58	1.8	17.2	0.75	300.8	271.3	2.7
947	23.1	2.7	0.82	3.5	16.9	0.75	300.9	266.7	2.8
940	22.4	2.7	0.69	0	16.5	0	300.9	269.7	2.8
933	22.2	2.8	0.66	0	14.8	0.45	301.3	270.5	2.9
925	21.9	2.8	0.63	1.8	14.6	0.20	301.6	271.2	2.9
917	21.4	3.1	1.3	0	14.3	0.20	302.0	261.5	3.4
895	20.1	3.8	2.1	-3.5	13.9	0.20	302.7	255.0	4.3
868	18.5	3.7	2.5	-6.2	13.2	0.20	303.7	250.0	4.5
837	16.8	3.2	3.1	-3.5	12.4	0.20	305.1	239.6	4.5
803	14.8	3.7	4.2	-3.5	11.5	0.20	306.6	235.1	5.6
767	12.6	4.0	5.1	-3.5	10.4	0.20	308.3	232.4	6.5
728	10.5	3.0	4.6	-3.5	9.2	0.20	310.5	226.7	5.5
687	7.8	2.3	3.3	-4.4	7.9	0.20	312.8	229.7	4.0
644	4.9	2.5	2.0	-5.7	6.6	0.20	315.4	245.4	3.1
597	1.6	1.9	0	-5.8	5.0	0.20	318.4	283.9	1.9
549	-1.2	-1.2	-1.1	-3.5	5.3	0.20	322.8	63.1	1.6
501	-6.0	-1.5	-1.1	0	4.0	0.20	325.6	66.5	1.8
452	-10.0	-0.87	-0.98	0	2.9	0.20	330.3	55.4	1.3
402	-15.8	-0.37	-2.2	-3.5	1.6	0.20	333.9	23.2	2.3
352	-23.1	-1.2	-2.7	-1.9	0.75	0.20	336.9	37.9	3.0
304	-31.5	-2.9	-2.9	0	0.35	0.20	339.7	59.7	4.1
259	-40.1	-5.3	-4.1	2.6	0.17	0.20	342.9	66.0	6.7
220	-49.3	-9.0	0.31	2.6	1E-1	0.20	345.1	105.9	9.0
183	-59.5	-15.6	-2.3	-2.2	3E-2	0.20	347.4	95.4	15.8
138	-73.3	-10.0	-3.5	-1.5	1E-2	0.20	352.3	84.5	10.6
88	-67.4	-9.9	1.7	0.94	1E-2	0.20	412.4	113.6	10.1
63	-60.0	-12.2	-3.8	0.51	1E-2	0.20	470.4	86.5	12.8
38	-47.8	-27.3	-5.8	0.35	2E-2	0.20	575.4	91.8	27.9



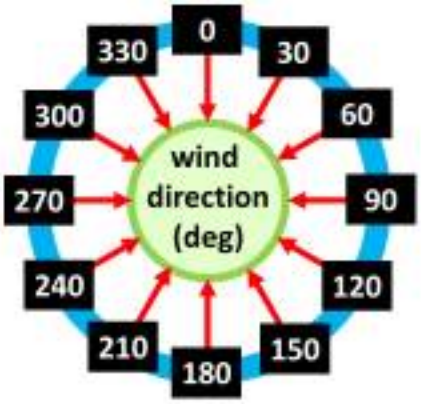
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 6 0 0
File ending time: 10 8 8 0 0

Profile Time: 10 8 6 19 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
								hPa						
1014	0	1013	1E-3	29.7	72.0	2.5	0.64	1014	155	12.0	0.11	0	234	1049

	TEMP	UWND	VWND	WWND	SPHU	TKEN	TPOT	WDIR	WSPD
	oC	m/s	m/s	mb/h	g/kg		oK	deg	m/s
1012	29.1	2.5	0.74	0	17.7	0.33	301.2	267.4	2.6
1007	28.6	2.7	0.87	0	17.7	0.45	301.2	265.7	2.8
1002	28.2	2.6	0.95	0	17.7	0.43	301.2	263.7	2.7
997	27.8	2.8	0.74	0	17.5	0.55	301.2	268.8	2.9
992	27.4	2.6	0.86	1.9	17.6	0.55	301.2	265.8	2.8
987	26.8	2.8	0.78	0	17.5	0.55	301.1	268.1	2.9
982	26.3	2.7	0.89	0	17.4	0.55	301.0	265.9	2.9
976	25.8	2.7	0.81	0	17.5	0.55	301.0	267.4	2.9
971	25.3	2.6	0.83	0	17.4	0.55	301.0	266.3	2.7
965	24.8	2.7	0.82	1.8	17.3	0.55	301.0	266.8	2.8
959	24.2	2.7	0.90	3.5	17.4	0.45	300.9	265.3	2.8
953	23.6	2.7	0.93	0	17.4	0.45	300.9	264.6	2.8
947	23.2	2.7	0.89	0	17.4	0.45	301.0	266.0	2.9
940	22.5	2.5	0.96	0	17.2	0.45	301.0	263.0	2.7
933	22.0	2.7	0.73	0	15.5	0.45	301.1	268.8	2.8
925	21.7	2.9	0.54	1.8	15.0	0.20	301.5	273.3	3.0
917	21.3	3.1	0.95	0	14.8	0.20	301.9	266.9	3.3
895	20.0	4.0	1.8	-7.0	14.1	0.20	302.6	259.1	4.4
868	18.4	4.3	1.8	-10.5	13.4	0.20	303.6	261.3	4.6
837	16.8	4.1	2.4	-14.1	12.6	0.20	305.0	253.4	4.8
803	14.8	4.4	3.5	-17.6	11.6	0.20	306.6	245.4	5.6
767	12.7	4.8	3.9	-17.6	10.6	0.20	308.4	245.1	6.2
728	10.4	3.8	3.6	-17.6	9.4	0.20	310.5	240.4	5.3
687	7.7	3.0	2.5	-21.1	8.2	0.20	312.6	243.7	3.9
643	4.8	2.2	1.7	-14.1	6.8	0.20	315.3	246.5	2.8
597	1.7	1.9	-0.56	-14.1	5.3	0.20	318.5	300.8	1.9
549	-1.3	-0.86	-1.1	0	5.5	0.20	322.7	52.1	1.4
501	-6.0	-2.0	-0.86	2.2	4.0	0.20	325.6	80.6	2.2
452	-10.0	-0.97	-0.98	2.5	2.9	0.20	330.4	58.7	1.4
402	-16.0	-0.39	-2.9	-3.5	1.6	0.20	333.7	21.5	2.9
352	-23.3	-0.59	-2.4	-3.5	0.75	0.20	336.8	27.9	2.4
304	-31.5	-3.3	-2.3	0	0.31	0.20	339.8	69.2	4.0
259	-40.1	-6.2	-4.1	0	0.15	0.20	343.0	70.1	7.4
220	-49.2	-8.6	0.55	1.2	1E-1	0.20	345.3	107.5	8.6
183	-59.8	-15.0	-0.43	-2.2	3E-2	0.20	347.0	102.2	15.0
138	-72.8	-11.0	-1.6	1.6	1E-2	0.20	353.2	95.4	11.1
88	-67.7	-8.3	0.43	0.14	1E-2	0.20	411.6	106.8	8.3
63	-60.6	-12.0	-4.3	-0.71	1E-2	0.20	469.0	84.0	12.8
38	-47.0	-27.8	-5.1	-0.14	2E-2	0.20	577.5	93.4	28.3



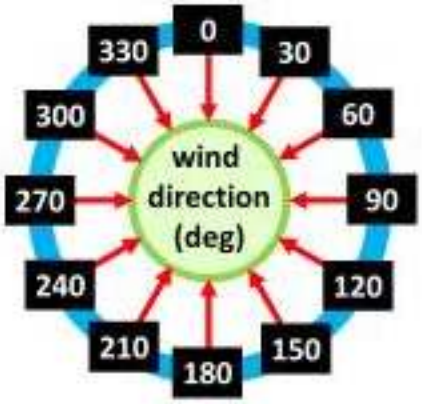
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 6 0 0
File ending time: 10 8 8 0 0

Profile Time: 10 8 6 20 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
								hPa						
1013	0	1013	3E-3	29.7	72.0	2.5	1.1	1013	160	11.7	0.13	0	177	1034

	TEMP	UWND	VWND	WWND	SPHU	TKEN	TPOT	WDIR	WSPD
	oC	m/s	m/s	mb/h	g/kg		oK	deg	m/s
1011	29.0	2.8	1.5	0	17.9	0.32	301.2	256.3	3.2
1006	28.6	2.7	1.3	1.8	17.7	0.39	301.2	257.1	3.0
1001	28.1	2.6	1.4	0	17.7	0.45	301.2	255.6	3.0
996	27.8	2.7	1.4	0	17.6	0.45	301.2	257.2	3.0
991	27.1	2.8	1.2	0	17.5	0.45	301.0	259.8	3.0
986	26.8	2.8	1.3	0	17.6	0.45	301.1	259.0	3.1
981	26.2	2.7	1.3	0	17.6	0.45	301.0	257.8	3.1
976	25.7	2.8	1.3	1.8	17.6	0.45	301.0	258.3	3.1
970	25.4	2.8	1.4	0	17.5	0.45	301.1	257.1	3.1
965	24.8	2.7	1.3	0	17.5	0.45	301.1	258.7	3.0
959	24.2	2.7	1.4	1.8	17.6	0.45	301.0	256.4	3.0
953	23.8	2.8	1.4	2.0	17.5	0.45	301.1	256.3	3.1
946	23.2	2.6	1.4	0	17.5	0.45	301.0	255.3	3.0
939	22.5	2.6	1.2	0	17.4	0.45	301.0	259.1	2.9
932	22.2	3.0	1.3	0	15.6	0.32	301.3	261.1	3.3
925	21.9	3.2	0.80	-1.8	15.2	0.20	301.7	269.7	3.3
916	21.3	3.4	1.1	0	14.9	0.20	301.9	266.5	3.6
895	20.1	4.2	1.2	-7.0	14.4	0.20	302.7	267.5	4.4
868	18.5	4.8	1.8	-9.9	13.6	0.20	303.7	264.0	5.1
837	16.7	5.0	2.0	-21.1	12.8	0.20	305.0	261.9	5.4
803	14.8	5.1	3.1	-21.1	11.8	0.20	306.6	252.6	6.0
767	12.6	5.3	3.1	-28.3	10.8	0.20	308.3	254.0	6.1
728	10.2	4.6	2.5	-28.6	9.7	0.20	310.2	255.7	5.2
687	7.6	3.2	2.0	-28.1	8.4	0.20	312.6	251.7	3.8
643	4.8	2.3	1.3	-21.1	7.1	0.20	315.3	254.1	2.7
597	1.6	1.4	-0.33	-14.1	5.6	0.20	318.5	296.8	1.5
549	-1.0	-0.34	-1.5	-7.0	5.9	0.20	323.0	26.9	1.5
500	-6.0	-1.5	-0.34	0	4.1	0.20	325.6	91.2	1.5
451	-10.1	0	-1.3	0	2.9	0.20	330.3	13.9	1.3
402	-16.1	0	-3.0	0	1.6	0.20	333.6	13.9	3.0
352	-23.3	-0.86	-1.9	0	0.74	0.20	336.7	37.7	2.1
304	-31.4	-3.4	-2.1	0	0.29	0.20	339.9	72.3	4.0
259	-40.0	-7.9	-3.6	4.1	0.14	0.20	343.1	79.3	8.7
220	-49.3	-7.7	0.77	2.6	1E-1	0.20	345.3	109.6	7.8
183	-59.8	-12.4	1.8	1.8	3E-2	0.20	347.0	112.2	12.5
138	-72.5	-10.9	0.51	1.9	1E-2	0.20	353.7	106.5	10.9
88	-67.6	-7.7	-1.6	0.73	1E-2	0.20	412.0	92.2	7.9
63	-60.9	-11.4	-3.9	-0.17	1E-2	0.20	468.4	84.9	12.0
38	-47.1	-27.4	-4.4	1.1	3E-2	0.20	577.4	94.8	27.7



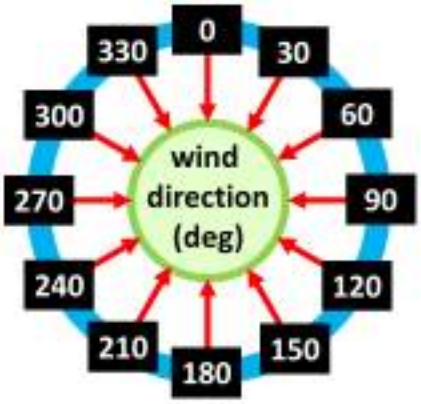
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 6 0 0
File ending time: 10 8 8 0 0

Profile Time: 10 8 6 21 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
								hPa						
1013	0	1012	5E-3	29.7	73.0	2.5	1.8	1013	163	11.7	0.13	0	120	1029

	TEMP	UWND	VWND	WWND	SPHU	TKEN	TPOT	WDIR	WSPD
	oC	m/s	m/s	mb/h	g/kg		oK	deg	m/s
1011	29.0	2.7	2.1	0	18.0	0.32	301.3	246.9	3.4
1006	28.6	2.8	2.2	0	17.8	0.45	301.3	246.0	3.5
1001	28.2	3.0	2.0	3.5	17.9	0.45	301.3	249.5	3.6
996	27.8	2.8	2.1	0	17.8	0.45	301.3	246.3	3.5
991	27.2	2.9	2.3	0	17.8	0.45	301.1	246.1	3.7
986	26.9	2.8	2.2	0	17.8	0.45	301.3	245.3	3.6
981	26.2	2.9	2.1	0	17.7	0.45	301.1	248.5	3.6
976	25.9	3.0	2.2	0	17.5	0.45	301.2	247.4	3.8
970	25.4	2.8	2.1	0	17.6	0.45	301.2	246.9	3.5
964	24.7	2.8	2.2	0	17.5	0.45	301.0	245.4	3.6
959	24.4	3.0	2.2	0	17.6	0.45	301.2	247.8	3.7
952	23.7	2.9	2.2	3.0	17.7	0.45	301.0	246.6	3.6
946	23.2	2.9	2.2	2.5	17.5	0.45	301.1	247.1	3.7
939	22.5	2.8	2.2	3.1	17.4	0.45	301.0	244.8	3.6
932	22.4	3.6	1.8	0	15.5	0.45	301.5	257.8	4.0
924	22.0	3.7	1.5	0	15.3	0.20	301.9	262.3	4.0
916	21.5	4.0	1.5	0	15.0	0.20	302.2	263.1	4.3
894	20.2	4.8	1.5	-5.2	14.4	0.20	302.9	266.2	5.0
867	18.7	5.2	1.2	-8.2	13.6	0.20	304.0	270.8	5.4
837	16.8	5.7	1.6	-14.7	12.9	0.18	305.1	268.5	5.9
803	14.8	5.8	2.3	-21.1	11.9	0.18	306.7	262.4	6.2
766	12.5	5.9	2.4	-28.1	10.9	0.20	308.3	262.1	6.4
728	10.1	5.0	1.8	-28.1	9.8	0.20	310.2	264.4	5.3
687	7.5	3.8	1.8	-28.1	8.5	0.20	312.5	258.9	4.1
643	4.6	2.3	0.88	-21.1	7.2	0.20	315.2	263.1	2.5
597	1.6	1.3	0	-21.1	5.8	0.20	318.5	283.9	1.3
549	-0.71	-0.15	-1.9	-7.0	6.2	0.20	323.4	18.4	1.9
500	-6.3	-1.2	-0.87	0	4.3	0.20	325.4	68.9	1.5
451	-10.5	0	-1.2	0	3.1	0.20	329.7	13.9	1.2
402	-16.3	-0.96	-3.2	0	1.6	0.20	333.3	30.5	3.3
352	-23.4	-1.3	-2.5	7.0	0.72	0.20	336.7	42.0	2.8
304	-31.5	-3.7	-2.0	3.5	0.28	0.20	339.9	75.9	4.2
259	-40.0	-8.2	-3.4	3.5	0.13	0.20	343.2	81.2	8.8
220	-49.2	-6.3	1.6	4.4	1E-1	0.20	345.4	117.9	6.5
183	-59.8	-10.7	1.9	4.0	3E-2	0.20	347.1	114.0	10.9
138	-72.4	-10.1	0.79	0.61	1E-2	0.20	353.9	108.4	10.2
88	-67.1	-8.2	-3.3	0.88	1E-2	0.20	413.0	81.9	8.8
63	-60.5	-11.4	-4.0	0.55	1E-2	0.20	469.2	84.4	12.1
38	-47.8	-27.5	-3.8	-0.69	3E-2	0.20	575.5	96.1	27.8



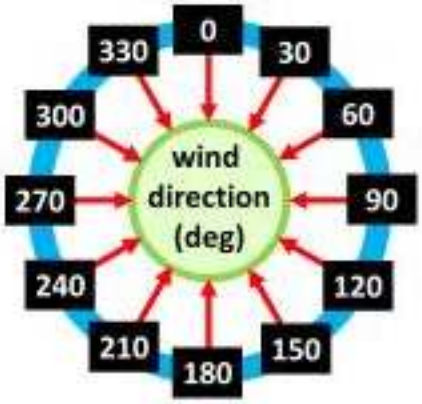
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 6 0 0
File ending time: 10 8 8 0 0

Profile Time: 10 8 6 22 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
								hPa						
1013	0	1012	2E-3	29.7	73.0	2.3	1.9	1013	164	11.8	0.13	0	106	949

	TEMP	UWND	VWND	WWND	SPHU	TKEN	TPOT	WDIR	WSPD
	oC	m/s	m/s	mb/h	g/kg		oK	deg	m/s
1011	29.0	2.7	2.1	0	17.8	0.32	301.3	246.0	3.5
1006	28.6	2.6	2.3	0	17.7	0.32	301.3	243.1	3.5
1001	28.2	2.8	2.3	2.1	17.9	0.45	301.3	243.9	3.6
996	27.8	2.7	2.2	0	17.6	0.45	301.3	245.0	3.5
991	27.4	2.6	2.3	0	17.8	0.45	301.3	243.3	3.5
986	26.7	2.7	2.1	0	17.6	0.45	301.1	245.7	3.5
981	26.4	2.9	2.1	0	17.8	0.45	301.2	247.6	3.6
975	25.9	2.7	2.2	3.5	17.6	0.45	301.2	245.4	3.5
970	25.3	2.9	2.3	0	17.5	0.32	301.1	245.9	3.7
964	25.0	2.9	2.4	3.5	17.7	0.32	301.2	245.0	3.8
958	24.3	2.8	2.3	3.5	17.5	0	301.1	244.8	3.6
952	23.8	2.8	2.1	3.5	17.6	0	301.1	247.0	3.5
946	23.1	2.9	2.1	2.3	17.5	0	301.1	247.3	3.6
939	22.8	3.4	2.1	5.7	16.6	0	301.3	251.5	4.0
932	22.6	4.2	1.6	2.7	15.5	0	301.8	262.7	4.5
924	22.2	4.4	1.4	3.3	15.2	0	302.1	266.3	4.6
916	21.7	4.4	1.4	3.0	14.9	0.20	302.4	266.4	4.6
894	20.4	5.3	0.81	0	14.3	0.20	303.1	275.1	5.3
867	18.8	5.7	1.1	-5.4	13.5	0.20	304.1	273.1	5.8
837	17.0	5.9	1.1	-9.8	12.7	0.18	305.4	273.7	6.0
803	14.9	5.9	1.1	-14.1	11.8	0.15	306.7	273.2	6.0
766	12.6	5.8	1.2	-21.1	10.8	0.20	308.3	271.8	5.9
728	10.2	4.6	1.2	-21.1	9.8	0.20	310.3	269.3	4.8
687	7.6	3.4	1.3	-14.1	8.5	0.20	312.6	262.8	3.6
643	4.7	2.0	0.90	-14.1	7.2	0.20	315.3	259.8	2.2
597	1.7	1.1	0	-11.0	5.9	0.20	318.6	283.9	1.1
549	-0.76	-0.27	-2.3	-5.6	6.2	0.20	323.4	20.5	2.3
500	-6.1	-0.65	-0.73	0	4.3	0.20	325.5	55.4	1.0
451	-10.7	0.29	-1.2	0	3.2	0.20	329.6	0.2	1.2
402	-16.4	-1.9	-2.0	0	1.7	0.20	333.2	58.1	2.8
352	-23.3	-2.2	-2.4	0	0.68	0.20	336.7	55.5	3.3
304	-31.4	-4.7	-2.0	0	0.27	0.20	339.9	81.4	5.1
259	-39.9	-8.8	-3.2	0	0.13	0.20	343.2	83.9	9.3
220	-49.3	-5.9	1.3	0	1E-1	0.20	345.2	116.3	6.0
182	-59.8	-10.4	1.9	1.1	3E-2	0.20	347.0	114.4	10.5
138	-72.8	-9.1	1.3	-1.9	1E-2	0.20	353.3	112.0	9.2
88	-66.3	-8.4	-4.2	-0.14	1E-2	0.20	414.7	77.0	9.4
63	-60.0	-10.9	-5.2	0.80	1E-2	0.20	470.4	78.4	12.1
38	-48.0	-27.4	-3.4	0.35	3E-2	0.20	575.1	96.8	27.6



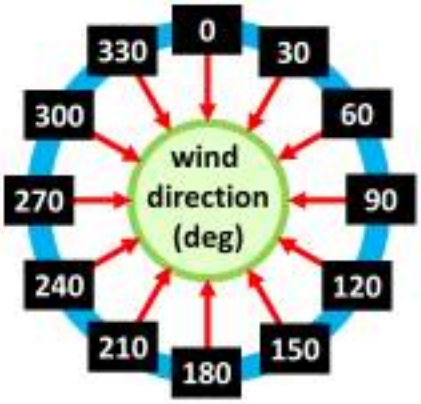
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 6 0 0
File ending time: 10 8 8 0 0

Profile Time: 10 8 6 23 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
								hPa						
1012	0	1012	2E-3	30.0	72.6	2.8	1.9	1012	163	11.7	0.13	0	131	916

	TEMP	UWND	VWND	WWND	SPHU	TKEN	TPOT	WDIR	WSPD
	oC	m/s	m/s	mb/h	g/kg		oK	deg	m/s
1010	29.3	3.3	2.1	-1.8	18.0	0.32	301.6	251.2	3.9
1005	28.8	3.1	2.1	-1.0	17.8	0.33	301.5	249.8	3.7
1000	28.4	3.2	2.1	-1.8	18.0	0.45	301.6	250.6	3.8
995	28.0	3.2	2.2	0	18.0	0.45	301.6	249.2	3.9
990	27.4	3.3	2.1	0	17.8	0.45	301.4	251.3	3.9
985	26.9	3.3	2.0	0	17.9	0.45	301.3	252.3	3.9
980	26.6	3.3	2.1	-3.5	17.7	0.32	301.5	251.7	4.0
975	26.1	3.2	2.2	0	17.6	0.32	301.5	249.4	3.9
969	25.5	3.2	2.1	-3.5	17.6	0.32	301.4	250.6	3.8
964	25.0	3.3	2.0	-3.5	17.7	0.20	301.3	252.1	3.9
958	24.4	3.2	2.2	-3.5	17.8	0.20	301.2	249.4	3.8
952	23.9	3.3	2.2	-3.5	17.8	0	301.3	249.9	4.0
945	23.3	3.3	2.0	-3.5	17.7	0	301.2	252.7	3.9
938	23.1	4.1	2.0	-7.0	15.7	0	301.7	257.7	4.6
931	22.8	4.4	1.6	-7.0	15.2	0	302.0	264.4	4.7
924	22.2	4.6	1.1	-7.0	14.9	0.20	302.2	270.3	4.7
915	21.8	4.6	0.63	-7.0	14.7	0.20	302.5	276.1	4.7
894	20.5	4.9	0	-8.2	14.1	0.20	303.3	283.9	4.9
867	19.0	5.1	0.34	-7.3	13.3	0.20	304.3	280.1	5.1
836	17.1	5.1	0.44	-10.5	12.3	0.20	305.5	278.9	5.1
802	15.1	5.3	0.23	-6.8	11.4	0.20	307.0	281.4	5.3
766	12.9	4.9	-0.28	-7.0	10.3	0.20	308.8	287.2	4.9
727	10.7	4.1	0	-7.0	9.2	0.20	311.0	283.9	4.1
686	7.9	3.2	0.80	-3.5	8.2	0.20	313.1	269.8	3.3
642	4.9	2.2	0.75	-10.5	7.0	0.20	315.5	264.9	2.3
596	1.6	1.3	0.32	-10.5	5.8	0.20	318.5	269.8	1.3
548	-0.63	-0.26	-1.4	-14.1	6.0	0.20	323.6	24.1	1.5
500	-6.0	-0.34	-0.34	-7.0	4.3	0.20	325.8	58.5	0.5
451	-10.9	0	-0.83	-7.0	3.3	0.20	329.3	13.9	0.8
401	-16.7	-2.4	-1.7	-5.4	2.0	0.20	332.9	69.1	3.0
352	-23.4	-2.6	-2.1	-2.5	0.80	0.20	336.7	65.6	3.4
303	-31.5	-4.7	-1.9	0	0.27	0.20	339.8	82.3	5.0
259	-40.0	-8.8	-3.0	-1.8	0.13	0.20	343.2	84.8	9.3
220	-49.3	-5.8	1.4	0	1E-1	0.20	345.3	117.2	5.9
182	-60.0	-9.4	2.7	3.0	3E-2	0.20	346.8	120.2	9.7
138	-73.0	-7.7	0.81	0.91	1E-2	0.20	353.0	109.9	7.7
88	-66.2	-8.3	-3.5	0.62	1E-2	0.20	414.9	81.2	9.0
63	-59.9	-11.9	-5.8	0.63	1E-2	0.20	470.7	77.9	13.2
38	-47.7	-26.5	-4.2	-0.36	3E-2	0.20	575.8	94.9	26.8



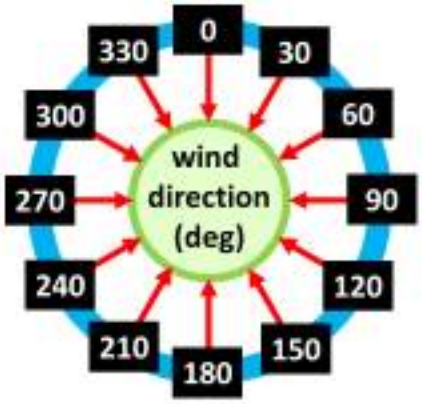
Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 6 0 0
File ending time: 10 8 8 0 0

Profile Time: 10 8 7 0 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
								hPa						
1011	0	1013	4E-3	30.2	71.7	3.1	2.1	1011	171	11.7	0.13	0	37.5	1172

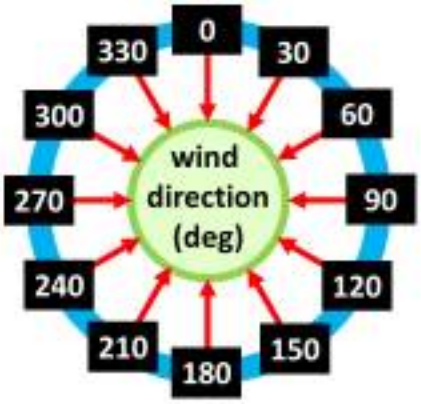
	TEMP	UWND	VWND	WWND	SPHU	TKEN	TPOT	WDIR	WSPD
	oC	m/s	m/s	mb/h	g/kg		oK	deg	m/s
1009	29.2	3.5	2.1	-1.8	17.8	0.39	301.6	252.6	4.1
1004	28.8	3.6	2.3	1.8	17.7	0.45	301.6	251.3	4.3
999	28.4	3.5	2.3	0	17.7	0.45	301.6	250.2	4.2
994	28.0	3.7	2.2	0	17.8	0.45	301.6	253.4	4.2
989	27.6	3.5	2.3	0	17.7	0.45	301.7	251.2	4.2
984	27.2	3.5	2.3	2.2	17.7	0.45	301.7	250.4	4.2
979	26.6	3.6	2.1	0	17.6	0.45	301.6	253.8	4.2
974	26.1	3.7	2.1	3.5	17.5	0.70	301.5	254.5	4.3
968	25.8	3.6	2.3	3.5	17.6	0.70	301.7	251.3	4.3
963	25.2	3.7	2.3	3.5	17.4	0.70	301.6	251.6	4.3
957	24.6	3.6	2.2	0	17.5	0.70	301.5	252.8	4.2
951	24.2	3.7	2.3	0	17.4	0.75	301.7	252.0	4.4
944	23.5	3.7	2.1	0	17.4	0.75	301.6	253.9	4.3
938	22.9	3.9	2.2	0	17.2	0.75	301.5	255.0	4.5
931	22.2	4.2	2.0	0	16.6	0.45	301.5	258.4	4.6
923	21.9	4.3	1.2	0	15.0	0.45	302.0	268.0	4.5
914	21.5	4.4	0.33	0	14.7	0.20	302.4	279.5	4.4
893	20.3	4.2	-0.34	0	14.0	0.20	303.1	288.5	4.2
866	18.8	4.4	0	-7.0	13.2	0.20	304.2	283.9	4.4
835	17.0	4.6	0.36	-7.0	12.2	0.20	305.5	279.4	4.6
801	15.1	4.7	0	-7.0	11.3	0.20	307.1	283.9	4.7
765	13.1	4.3	-1.1	-14.1	10.2	0.20	309.0	298.3	4.5
726	10.8	3.6	-1.0	-14.1	9.1	0.20	311.1	299.6	3.8
686	8.1	2.8	-0.35	-10.5	7.9	0.20	313.3	291.0	2.9
642	4.9	1.8	0	-10.5	6.8	0.20	315.6	283.9	1.8
596	1.5	1.3	0	-10.5	5.6	0.20	318.5	283.9	1.3
548	-0.62	-0.25	-1.2	-12.4	5.9	0.20	323.7	25.6	1.2
499	-6.0	-0.35	-0.84	-11.7	4.6	0.20	325.8	36.4	0.9
451	-11.2	-0.67	-0.82	0	3.5	0.20	329.1	53.0	1.1
401	-16.7	-2.6	-0.78	7.0	2.0	0.20	333.0	87.2	2.7
352	-23.2	-3.0	-1.9	7.0	0.82	0.20	337.1	71.4	3.6
303	-31.4	-5.0	-2.0	5.5	0.30	0.20	340.1	82.4	5.3
259	-40.0	-8.3	-2.8	0	0.15	0.20	343.4	84.9	8.7
219	-49.2	-4.6	1.7	3.0	1E-1	0.20	345.5	123.9	4.9
182	-59.9	-8.1	3.3	4.7	3E-2	0.20	347.0	125.9	8.8
138	-72.8	-6.6	-0.29	1.0	1E-2	0.20	353.4	101.3	6.6
88	-66.3	-8.4	-3.9	0	1E-2	0.20	414.7	78.8	9.3
63	-59.9	-12.3	-6.3	0.33	1E-2	0.20	470.8	76.6	13.9
38	-47.5	-26.1	-4.8	-0.34	3E-2	0.20	576.7	93.4	26.6



Meteorological Profile: hysplit.t00z.namsf

File start time : 10 8 6 0 0
File ending time: 10 8 8 0 0

Profile Time: 10 8 7 1 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
								hPa						
1015	0	1013	1E-3	30.2	70.8	3.3	2.2	1015	181	12.0	0.15	0	0	1428

	TEMP	UWND	VWND	WWND	SPHU	TKEN	TPOT	WDIR	WSPD
	oC	m/s	m/s	mb/h	g/kg		oK	deg	m/s
1013	29.5	3.8	2.4	0	17.5	0.45	301.5	251.8	4.5
1008	29.0	3.9	2.3	0	17.4	0.51	301.5	253.5	4.5
1003	28.6	3.7	2.4	1.8	17.4	0.45	301.5	251.3	4.4
998	28.2	3.9	2.2	0	17.6	0.45	301.5	254.6	4.5
993	27.7	4.0	2.3	2.2	17.5	0.45	301.5	253.5	4.6
988	27.3	3.9	2.2	4.2	17.4	0.58	301.5	254.3	4.4
983	26.8	4.0	2.4	2.5	17.4	0.58	301.5	252.9	4.6
977	26.3	3.9	2.3	4.4	17.3	0.58	301.4	253.8	4.5
972	25.7	3.9	2.2	3.5	17.4	0.58	301.3	254.6	4.4
966	25.1	4.0	2.2	5.2	17.4	0.58	301.3	254.5	4.5
960	24.8	3.9	2.4	3.5	17.2	0.58	301.4	252.7	4.6
954	24.1	3.9	2.2	7.0	17.1	0.58	301.3	255.0	4.5
948	23.5	4.1	2.3	3.5	17.1	0.58	301.3	254.8	4.7
941	22.8	4.1	2.1	3.5	17.1	0.58	301.2	256.6	4.6
934	22.3	4.1	2.2	3.4	17.0	0.58	301.3	256.2	4.7
926	21.7	4.2	1.7	7.0	15.8	0.58	301.4	262.3	4.6
918	21.3	4.0	-0.29	0	14.8	0.45	301.8	288.0	4.0
896	20.1	3.5	-1.1	0	14.0	0.20	302.6	301.1	3.7
869	18.7	3.8	-0.56	0	13.2	0.20	303.8	292.3	3.8
838	16.9	3.9	-0.31	-7.0	12.3	0.17	305.1	288.4	3.9
804	15.1	4.1	-0.64	-7.0	11.3	0.17	306.8	292.8	4.2
768	13.0	3.7	-1.8	-7.0	10.2	0.20	308.6	310.0	4.2
729	10.8	2.9	-1.8	0	9.0	0.20	310.8	315.0	3.4
688	8.0	2.3	-1.3	-10.0	7.8	0.20	313.0	312.9	2.6
644	4.9	1.5	-0.47	-14.1	6.6	0.20	315.3	301.5	1.5
598	1.5	1.2	0	-14.1	5.5	0.20	318.2	283.9	1.2
550	-0.69	0.23	-1.0	-19.5	5.8	0.20	323.3	1.1	1.0
501	-6.3	-0.39	-0.88	-14.1	4.8	0.20	325.1	37.4	1.0
452	-11.4	-0.76	0	0	3.6	0.20	328.5	103.9	0.8
402	-16.8	-2.7	0	0	2.0	0.20	332.6	103.9	2.7
353	-23.0	-3.3	-1.5	4.9	0.75	0.20	337.0	80.1	3.6
304	-31.4	-5.2	-1.7	0	0.29	0.20	339.8	85.6	5.5
259	-40.1	-8.4	-2.9	0	0.13	0.20	342.9	84.7	8.9
220	-49.2	-3.3	2.2	4.8	1E-1	0.20	345.2	137.4	4.0
183	-59.9	-7.4	0.43	5.4	3E-2	0.20	346.7	107.2	7.4
138	-72.8	-6.0	-1.3	1.4	1E-2	0.20	353.1	92.1	6.1
88	-66.7	-8.3	-4.4	-0.72	1E-2	0.20	413.7	75.9	9.4
63	-60.5	-13.7	-6.3	-1E-1	1E-2	0.20	469.1	79.2	15.1
38	-46.3	-25.1	-5.9	-0.16	2E-2	0.20	579.2	90.6	25.7