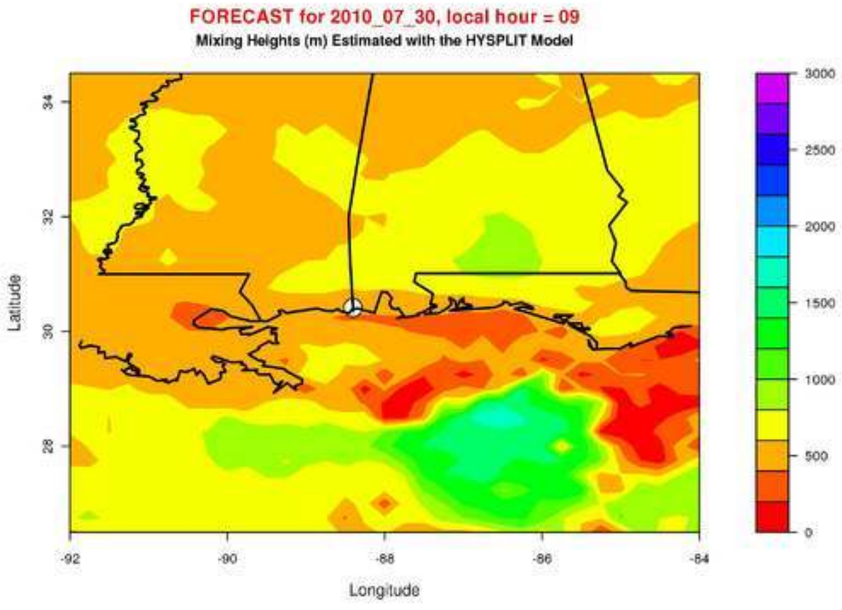
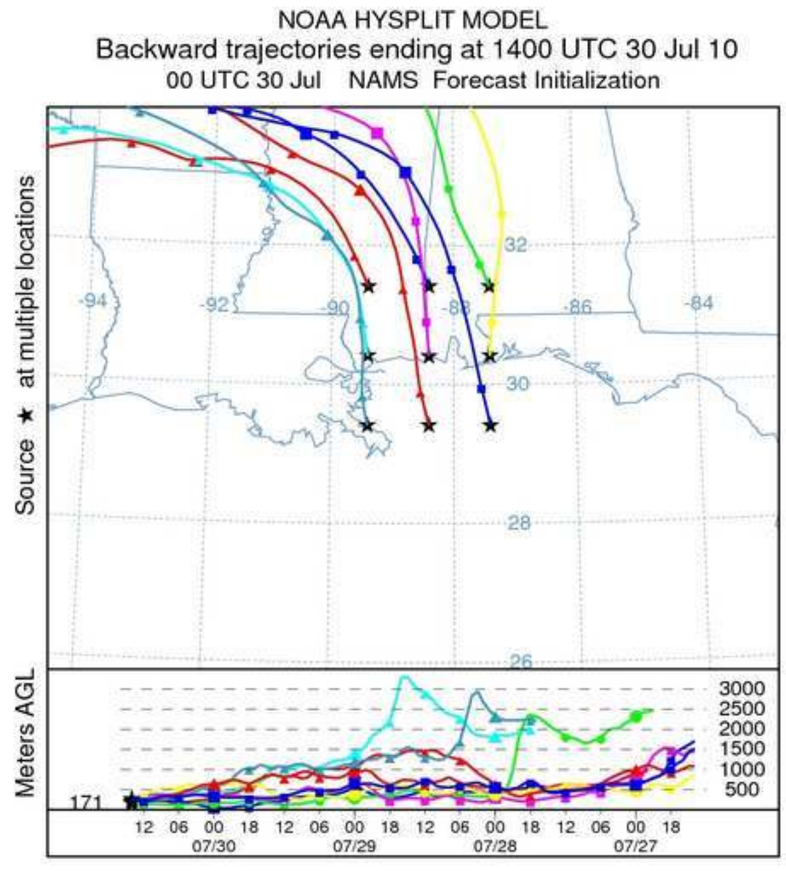
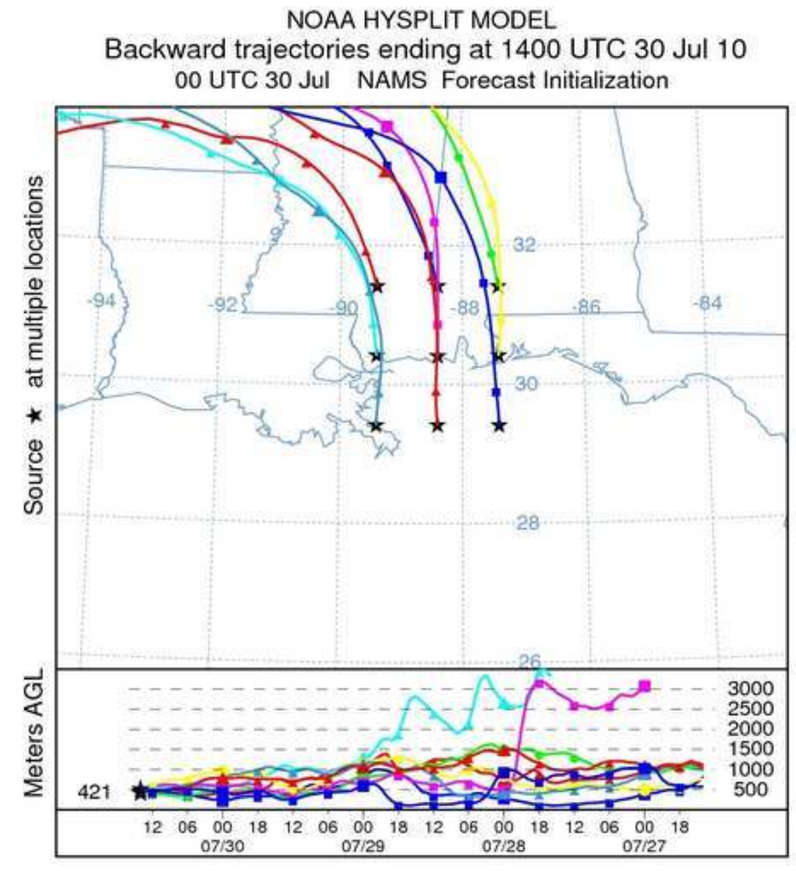
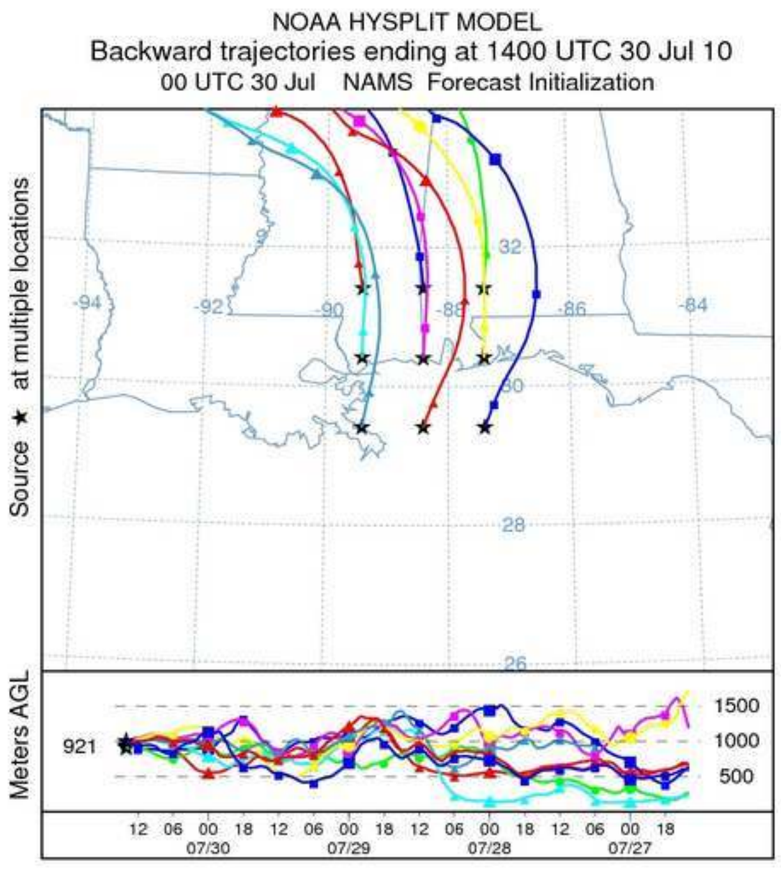
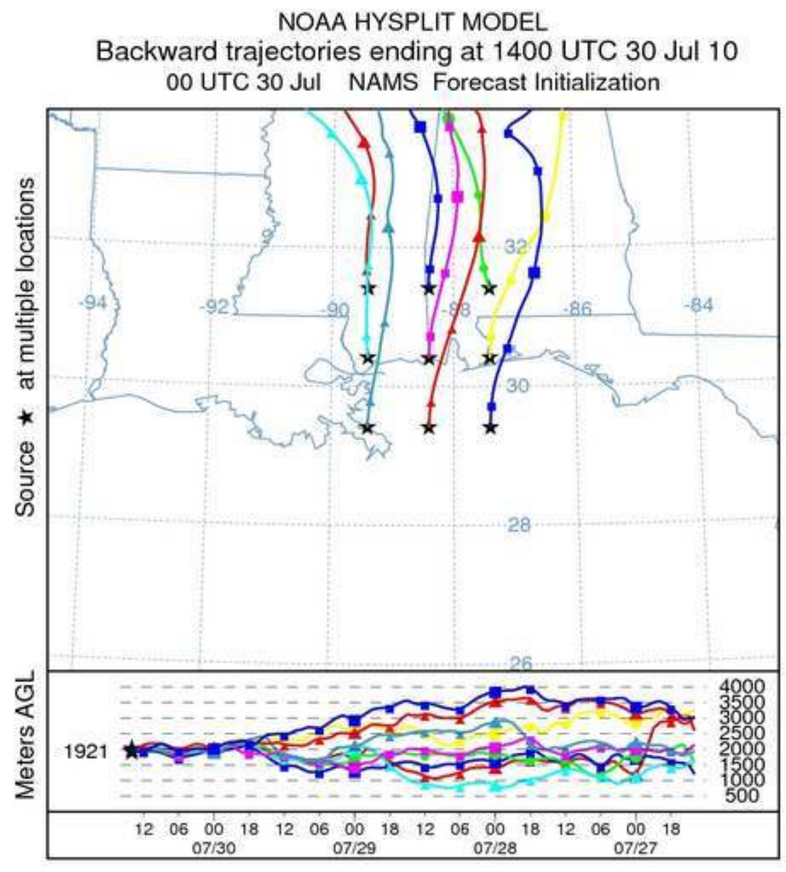
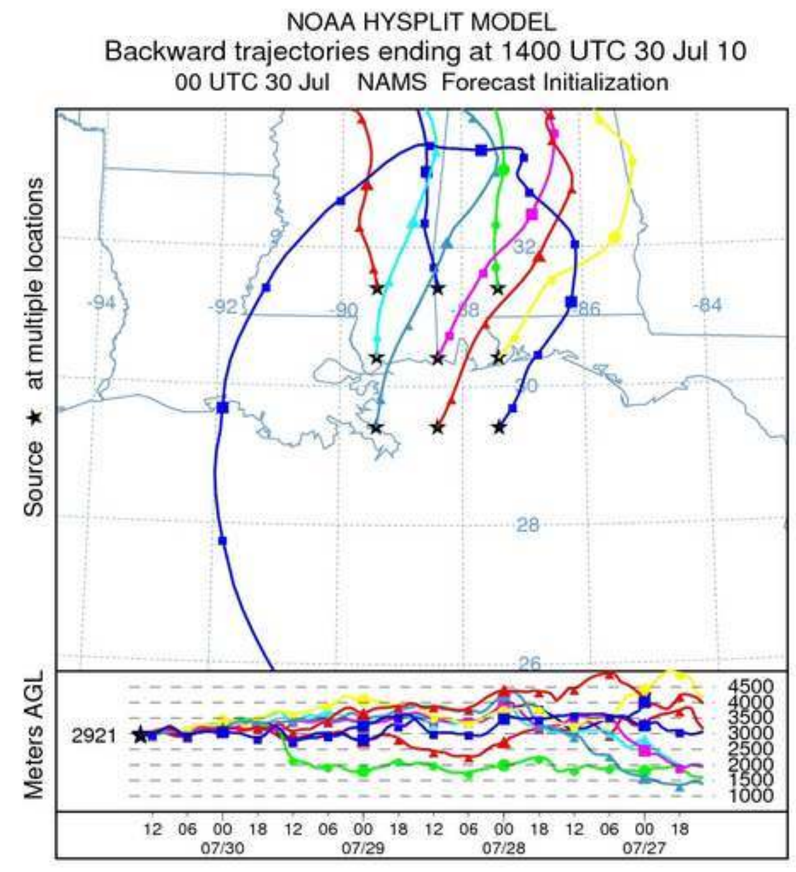

FORECAST for 2010_07_30, local hour = 09
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0


NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
07/30
07/29
07/28
07/27

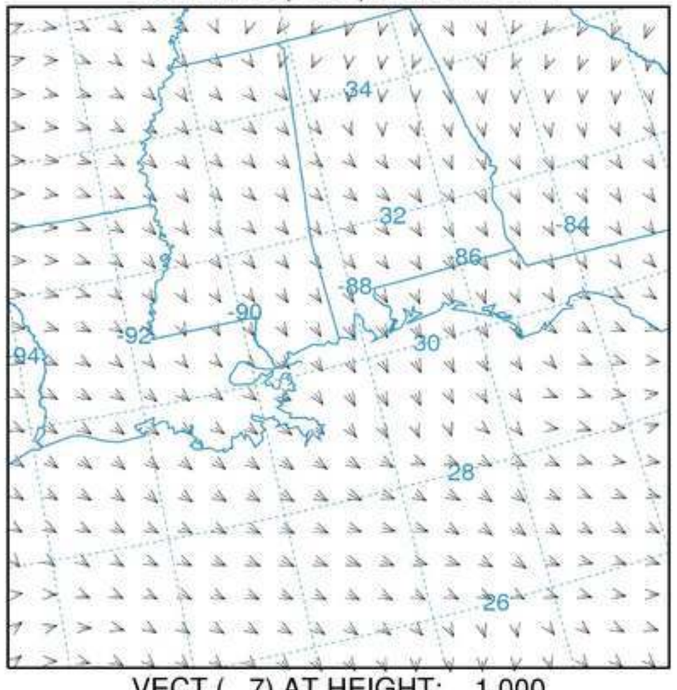

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
07/30
07/29
07/28
07/27

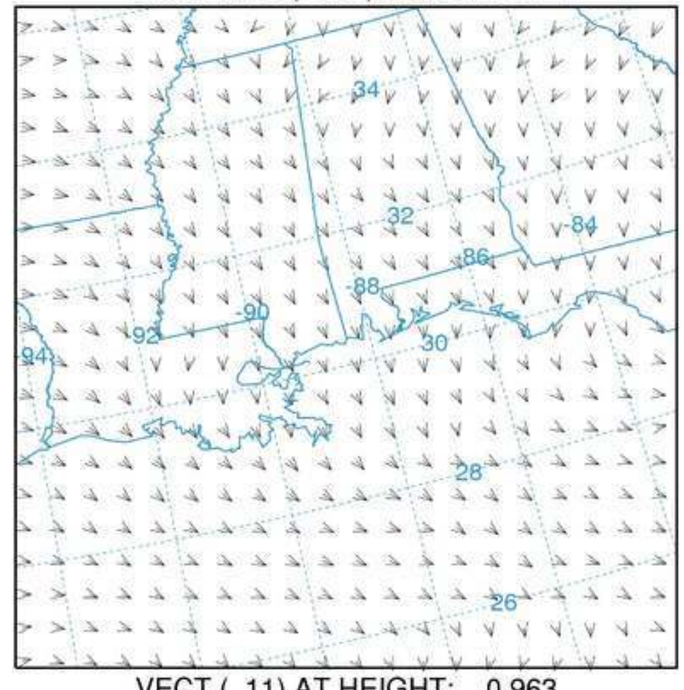
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/14



VECT (7) AT HEIGHT: 1.000

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

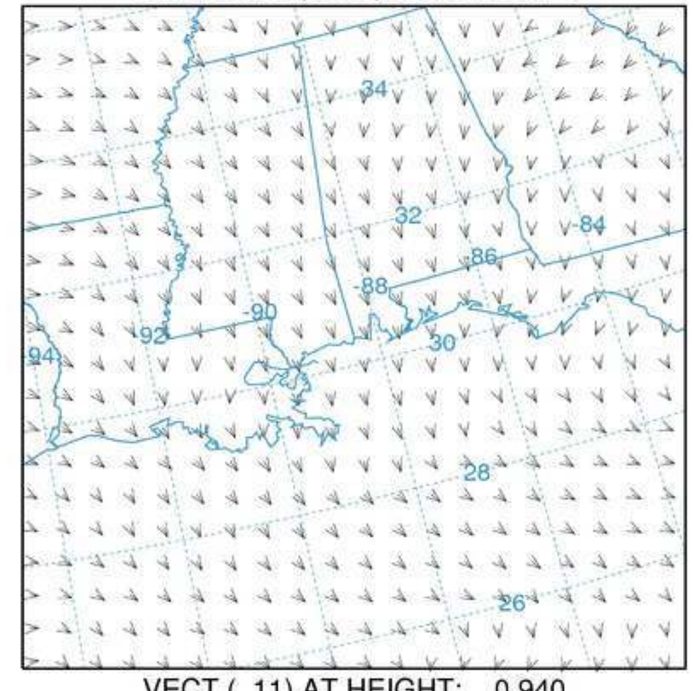
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/14



VECT (11) AT HEIGHT: 0.963

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

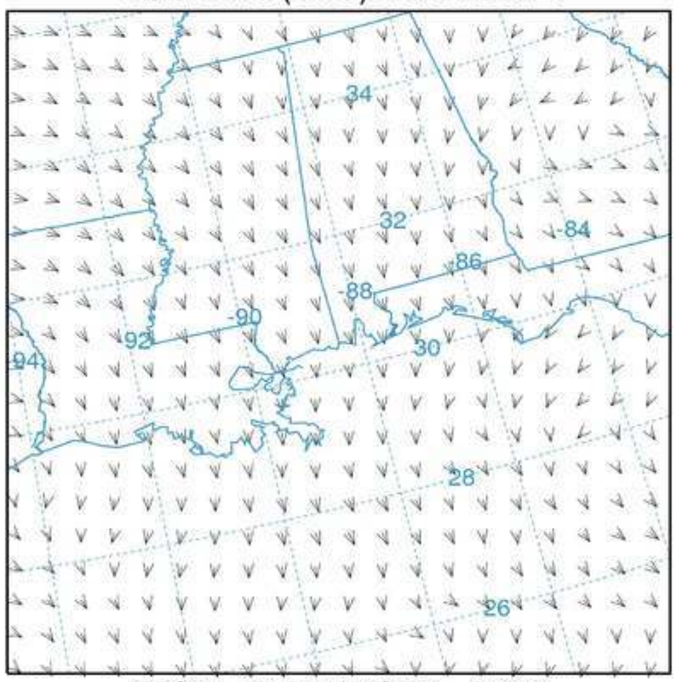
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/14



VECT (11) AT HEIGHT: 0.940

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

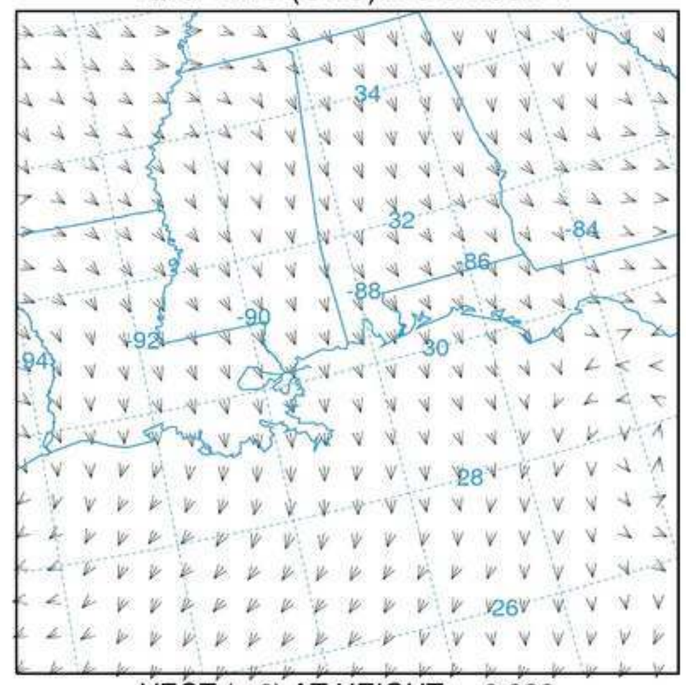
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/14



VECT (9) AT HEIGHT: 0.904

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

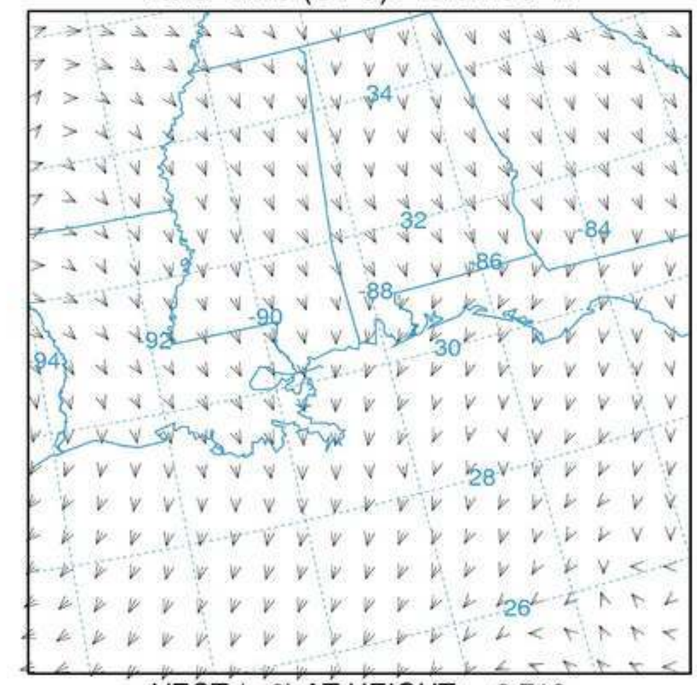
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/14



VECT (6) AT HEIGHT: 0.826

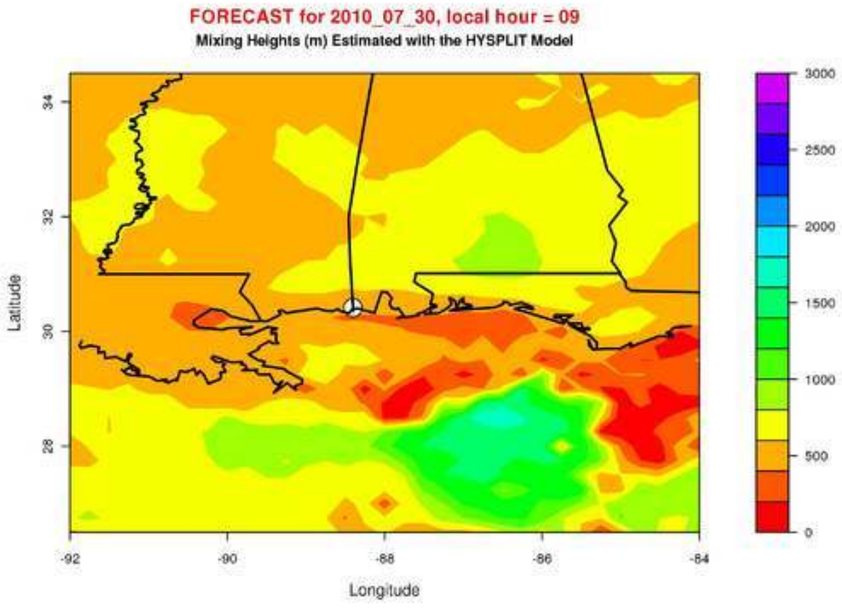
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

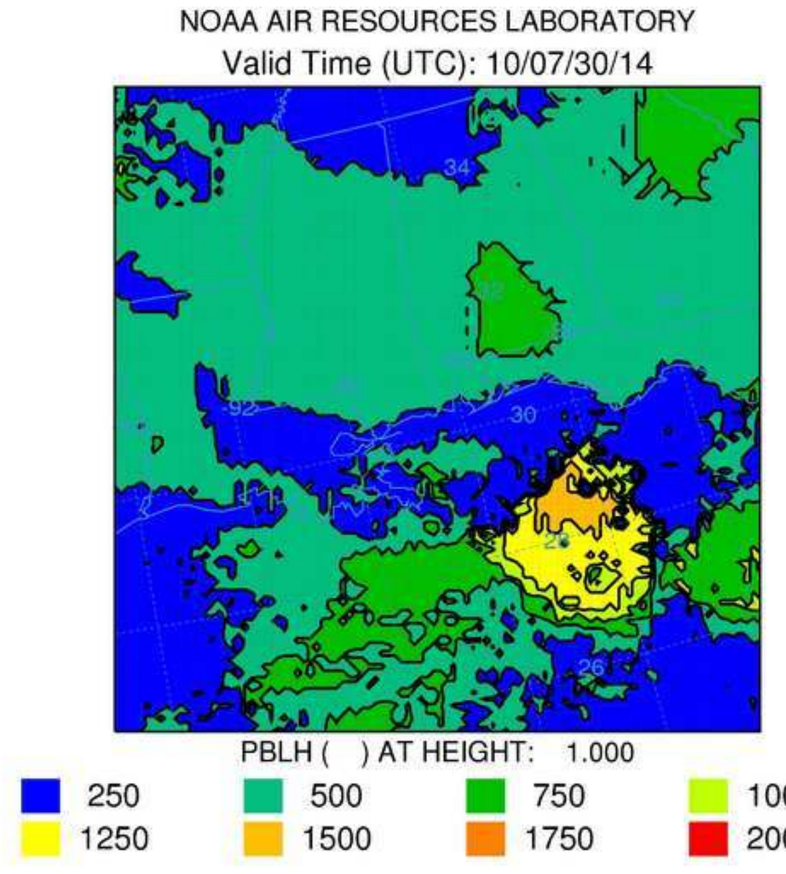
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/14

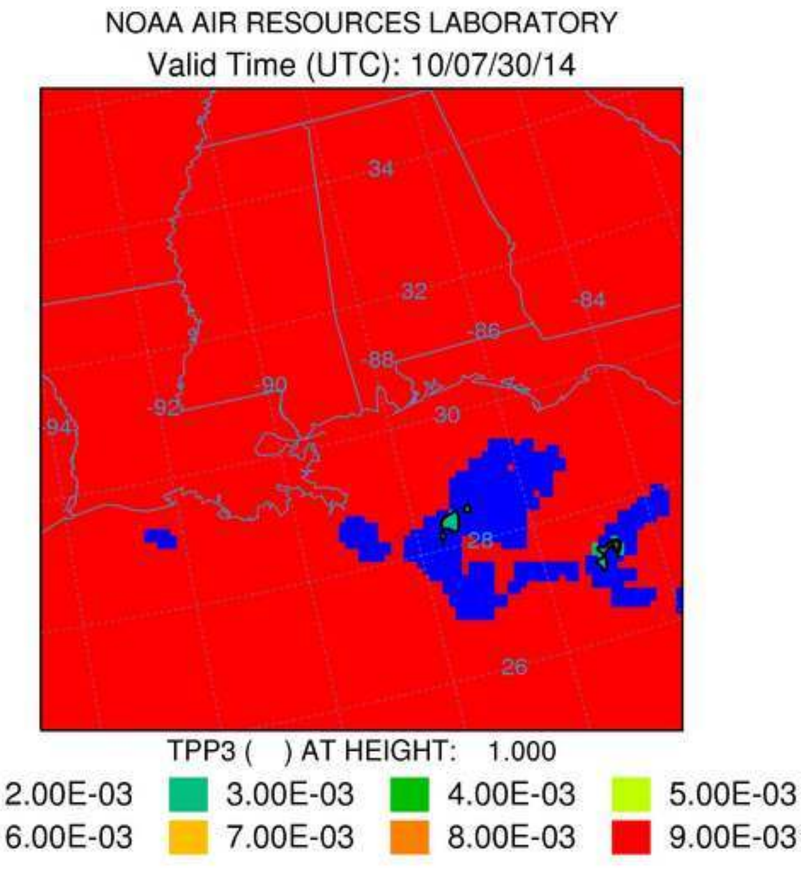


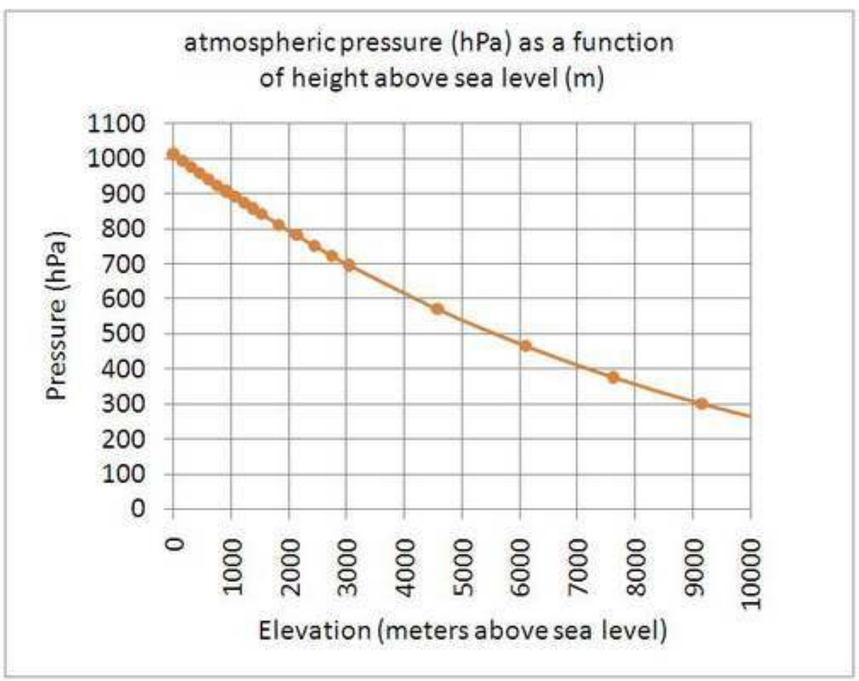
VECT (8) AT HEIGHT: 0.718

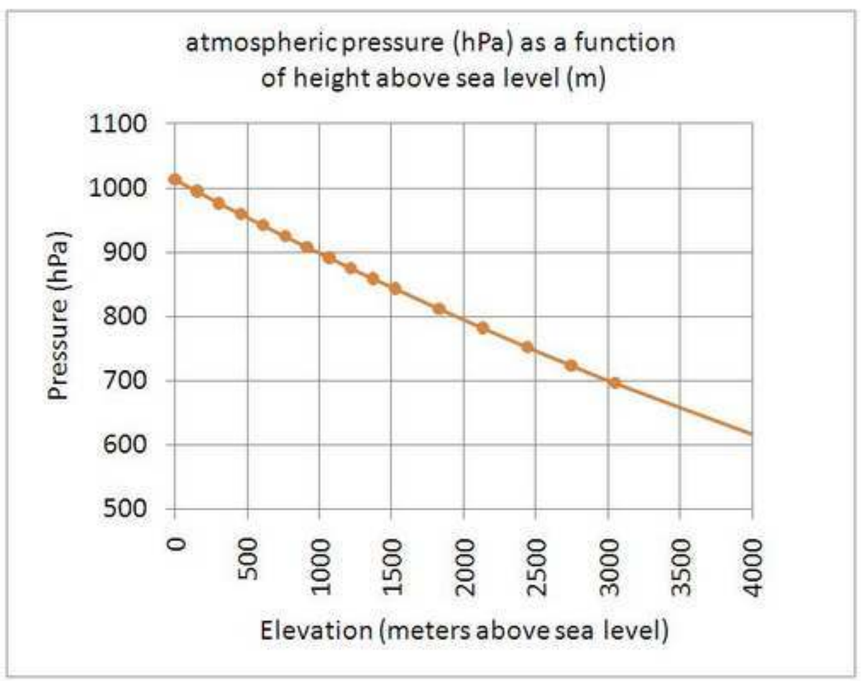
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters


FORECAST for 2010_07_30, local hour = 09
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
3000
2500
2000
1500
1000
500
0


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/14
PBLH ( ) AT HEIGHT: 1.000
250
500
750
1000
1250
1500
1750
2000


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/14
TPP3 ( ) AT HEIGHT: 1.000
2.00E-03
3.00E-03
4.00E-03
5.00E-03
6.00E-03
7.00E-03
8.00E-03
9.00E-03


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
0
500
1000
1500
2000
2500
3000
3500
4000

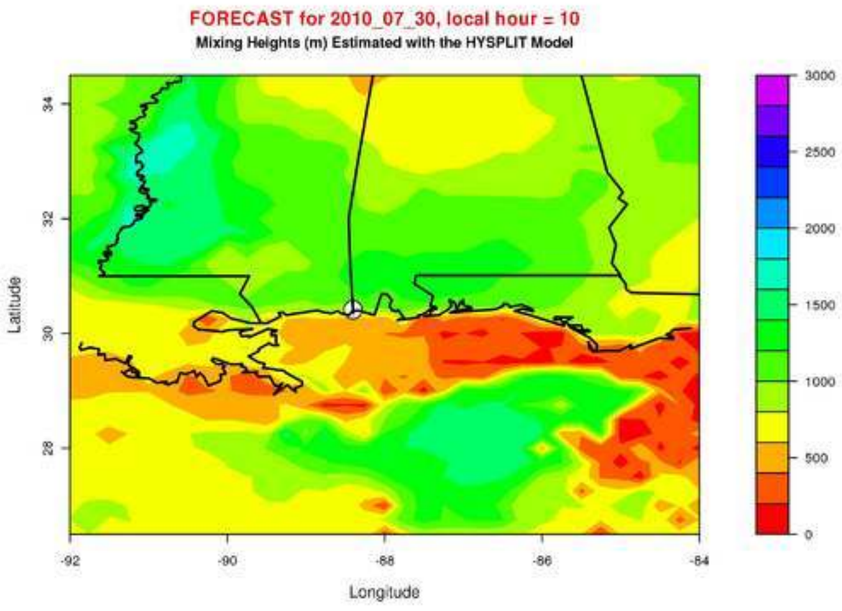
Meteorological Profile: hysplit.t00z.namsf

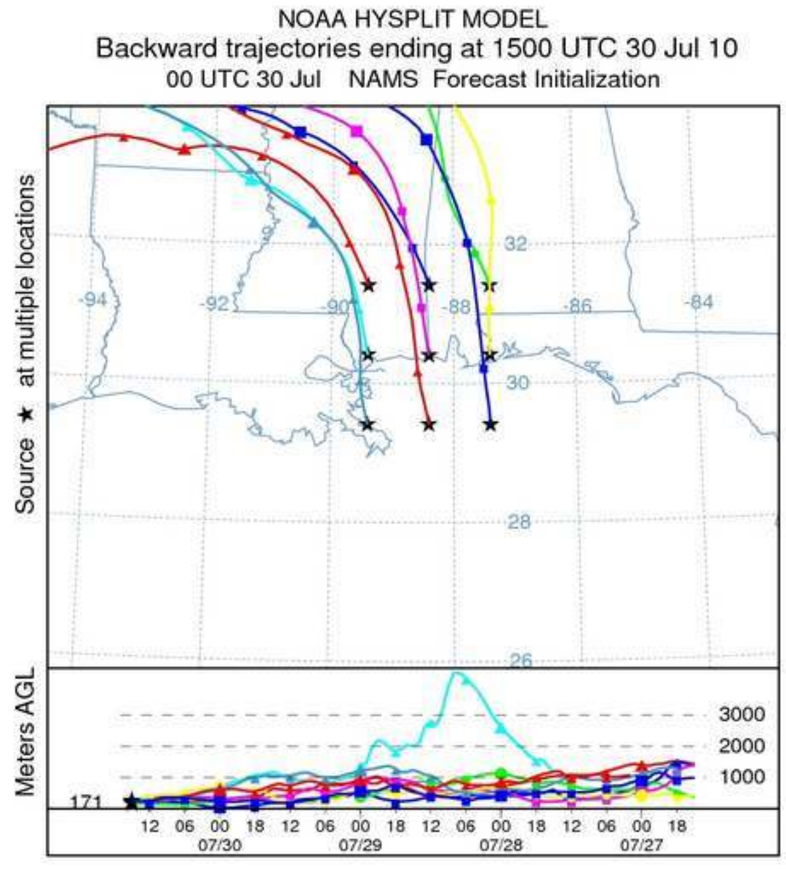
File start time : 10 7 30 0 0
File ending time: 10 8 1 0 0

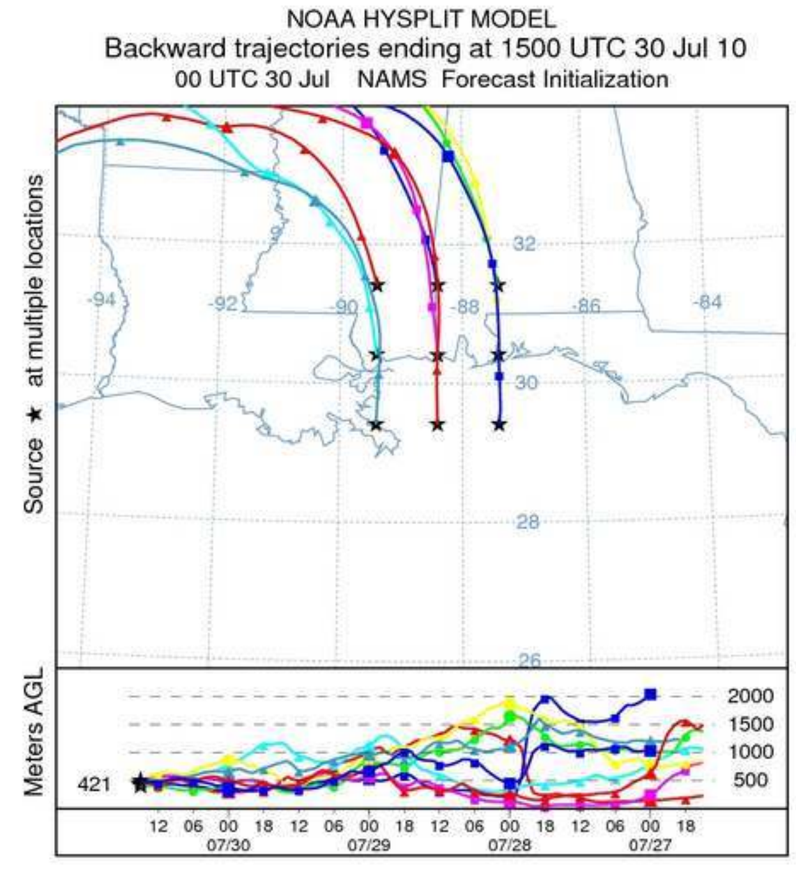
Profile Time: 10 7 30 14 0
Profile Location: 30.41 -88.40 (335,110)

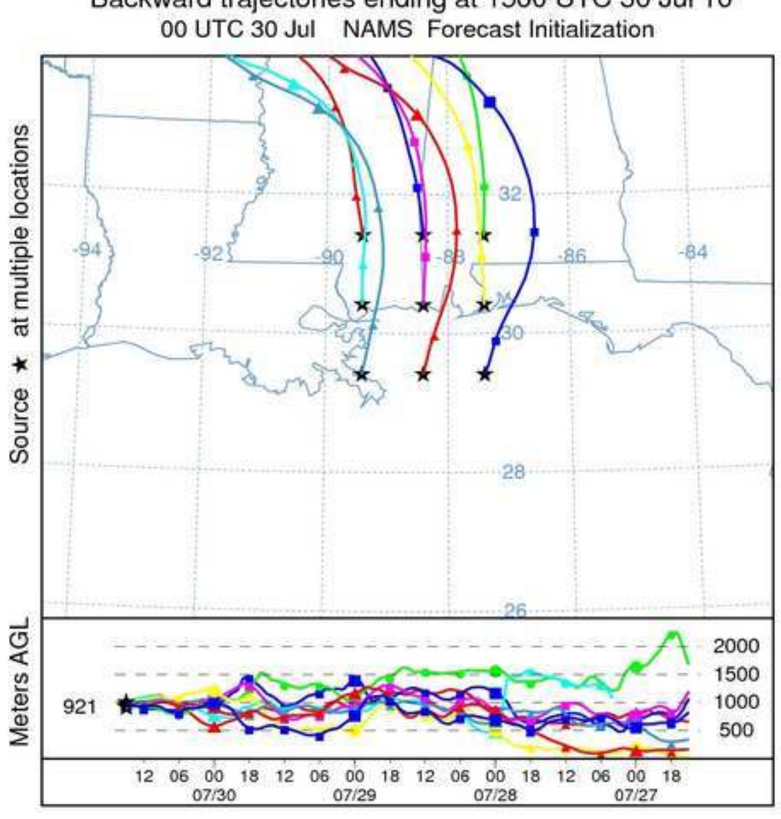
	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1016	0	1015	0	30.9	68.0	2.7	-4.5	1016	194	8.0	0.17	0	576	528

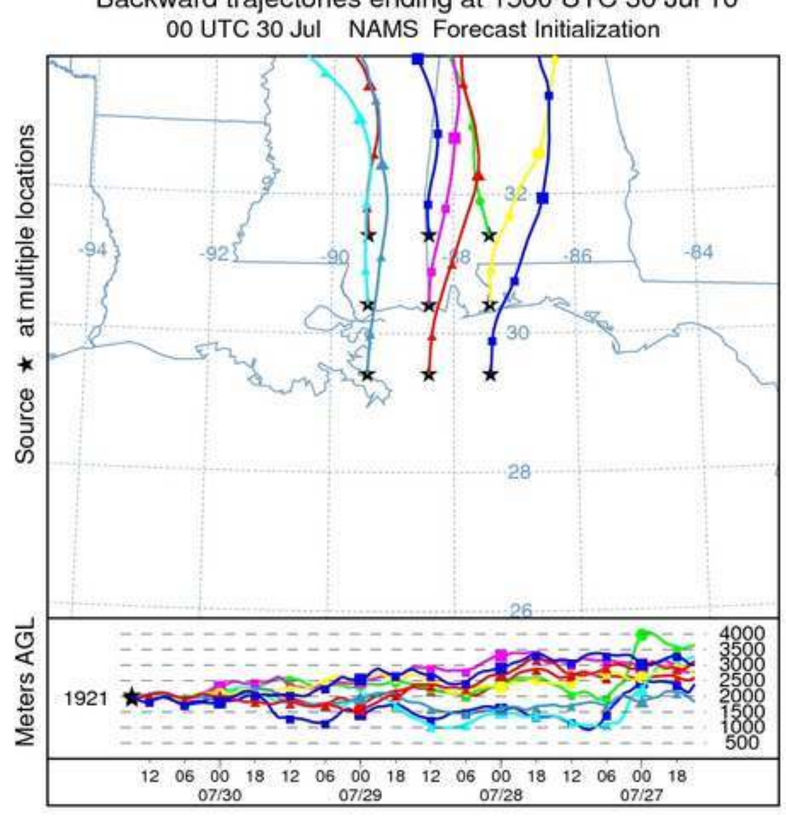
	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	UWND W->E	VWND S->N
1013	30.2	3.0	-5.1	3.5	17.2	0.40	302.3	1.7	-5.7
1008	29.8	3.0	-5.3	2.1	17.1	0.40	302.3	1.6	-5.8
1004	29.4	2.9	-5.2	5.3	17.1	0.40	302.3	1.5	-5.7
999	28.9	2.8	-6.1	5.3	16.9	0.30	302.2	1.3	-6.6
994	28.6	2.8	-6.8	6.2	16.4	0.30	302.3	1.1	-7.3
988	28.6	2.1	-7.6	8.8	15.9	0.30	302.7	0.3	-7.9
983	28.3	2.0	-8.0	9.5	15.4	0.30	302.9	0.0	-8.2
978	28.1	1.8	-7.7	8.8	15.0	0.30	303.2	-0.1	-7.9
972	27.7	1.8	-7.6	7.0	14.8	0.30	303.3	-0.1	-7.8
967	27.3	1.6	-7.5	8.8	14.6	0.30	303.4	-0.2	-7.7
961	26.9	1.6	-7.4	5.3	14.3	0.30	303.5	-0.2	-7.6
955	26.4	1.6	-7.4	5.8	14.2	0.30	303.5	-0.2	-7.6
948	25.8	1.6	-7.3	5.3	14.1	0.30	303.6	-0.2	-7.5
941	25.3	1.6	-7.3	6.3	14.1	0	303.6	-0.2	-7.5
934	24.7	1.6	-7.3	6.0	14.0	0	303.7	-0.2	-7.5
927	24.0	1.5	-7.3	3.6	13.9	0	303.7	-0.3	-7.5
918	23.2	1.3	-7.2	2.3	13.8	0	303.7	-0.4	-7.3
897	21.3	1.3	-6.2	2.7	13.5	0.20	303.8	-0.2	-6.3
870	19.2	1.4	-4.2	0	13.0	0.20	304.2	0.3	-4.4
839	16.9	1.9	-4.6	0	12.6	0.20	305.1	0.7	-4.9
805	15.0	1.1	-5.5	0	11.3	0.20	306.6	-0.2	-5.6
768	13.3	-0.41	-5.7	0	9.2	0.20	308.9	-1.8	-5.4
729	11.2	-1.3	-5.5	0	7.4	0.20	311.2	-2.6	-5.1
688	8.8	-1.6	-6.2	0	5.7	0.20	313.7	-3.1	-5.6
645	5.9	-2.0	-6.3	0	4.1	0.20	316.4	-3.5	-5.7
598	2.5	-1.7	-6.3	0	3.3	0.20	319.3	-3.1	-5.7
550	-1.3	-0.31	-4.9	0	2.4	0.20	322.5	-1.5	-4.7
501	-5.9	0	-3.8	0	1.3	0.20	325.6	-0.9	-3.7
452	-11.5	-2.8	-1.9	0	0.98	0.20	328.2	-3.2	-1.2
403	-17.4	-3.9	-2.3	0	0.64	0.20	331.7	-4.4	-1.3
353	-24.8	-1.9	0.61	-3.5	0.47	0.20	334.5	-1.6	1.0
304	-32.9	-3.3	-2.4	-3.5	0.27	0.20	337.6	-3.8	-1.5
260	-42.1	-2.5	-4.6	0	0.15	0.20	339.8	-3.5	-3.9
220	-50.7	-2.5	-0.79	0	1E-1	0.20	342.8	-2.6	-0.2
183	-61.5	-2.3	0	0	3E-2	0.20	344.0	-2.2	0.6
138	-72.1	-6.9	-5.3	0.60	1E-2	0.20	354.2	-8.0	-3.5
88	-66.9	-9.9	-5.6	-1.0	1E-2	0.20	413.0	-10.9	-3.0
63	-60.7	-18.7	-4.0	0.27	1E-2	0.20	468.4	-19.1	0.6
38	-47.1	-27.1	-4.3	-0.83	3E-2	0.20	577.0	-27.4	2.3

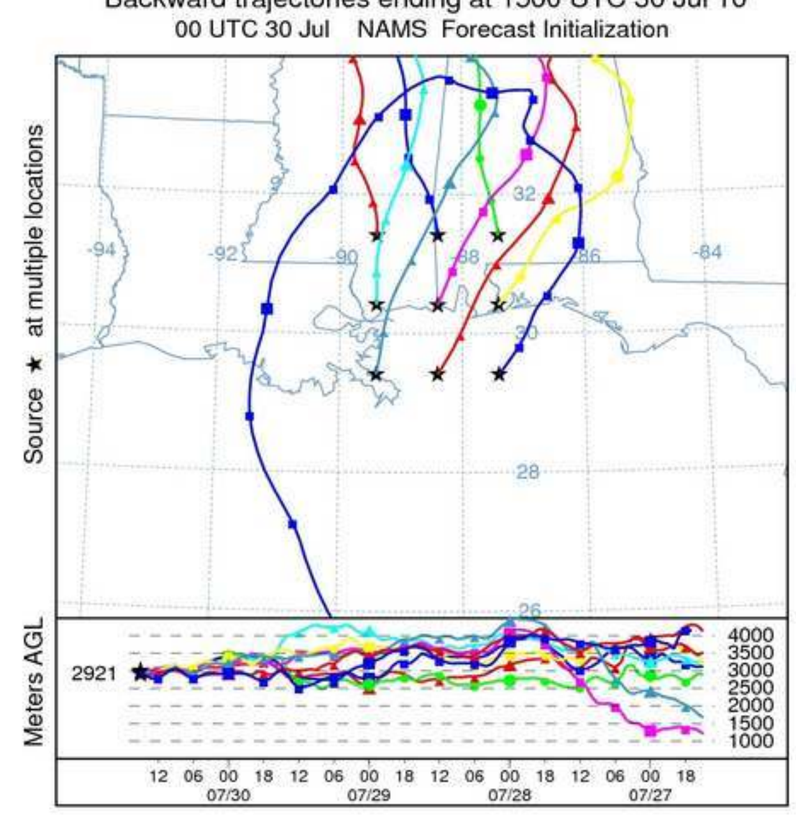

FORECAST for 2010_07_30, local hour = 10
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0


NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
3000
2000
1000
07/30
07/29
07/28
07/27

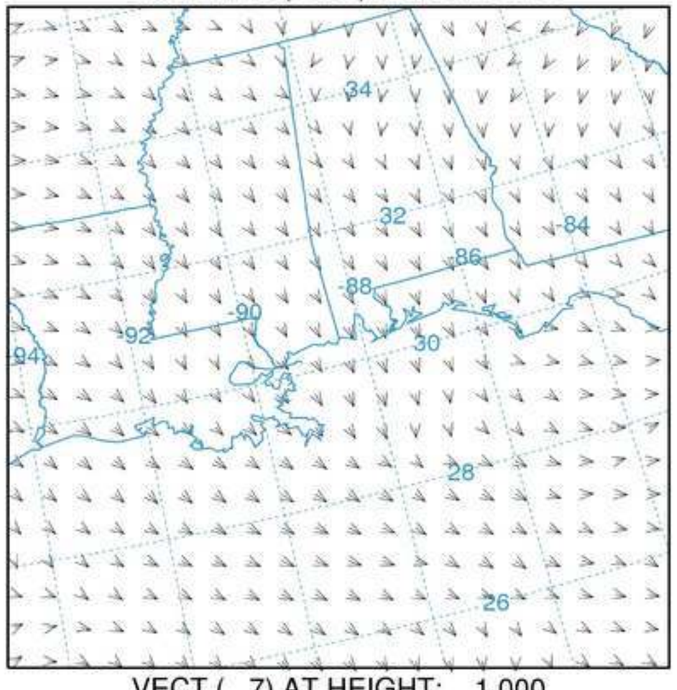

NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
4000
3500
3000
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4000
3500
3000
2500
2000
1500
1000
07/30
07/29
07/28
07/27

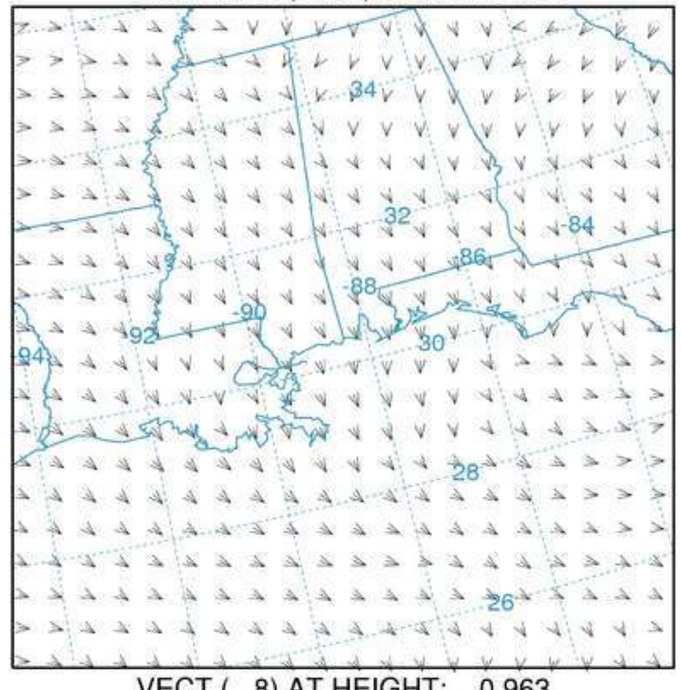
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/15



VECT (7) AT HEIGHT: 1.000

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

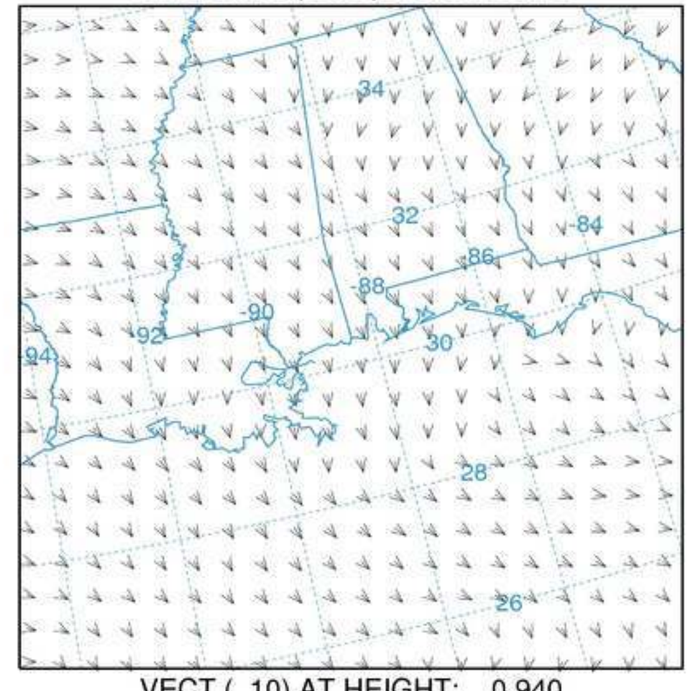
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/15



VECT (8) AT HEIGHT: 0.963

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

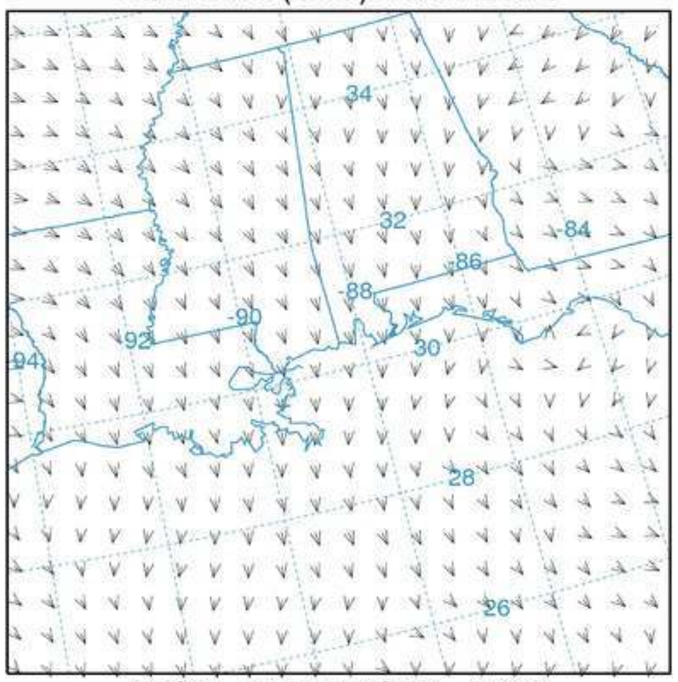
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/15



VECT (10) AT HEIGHT: 0.940

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

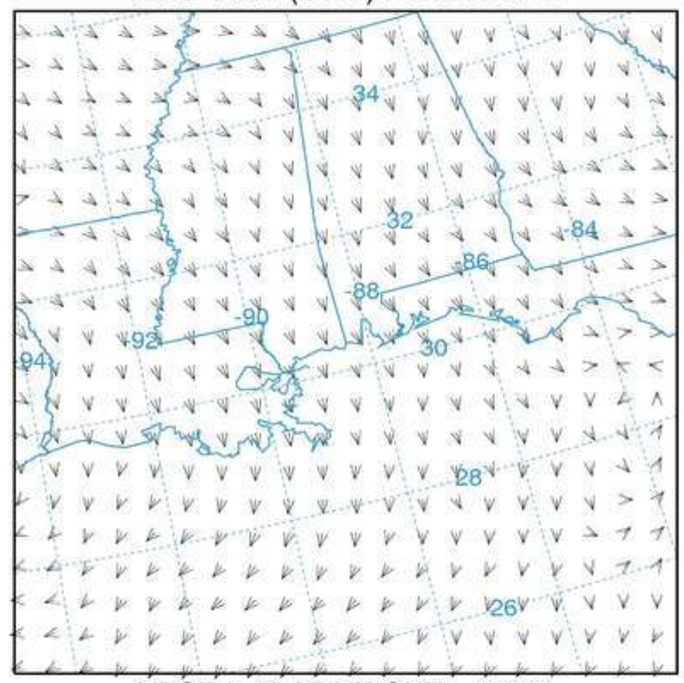
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/15



VECT (9) AT HEIGHT: 0.904

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

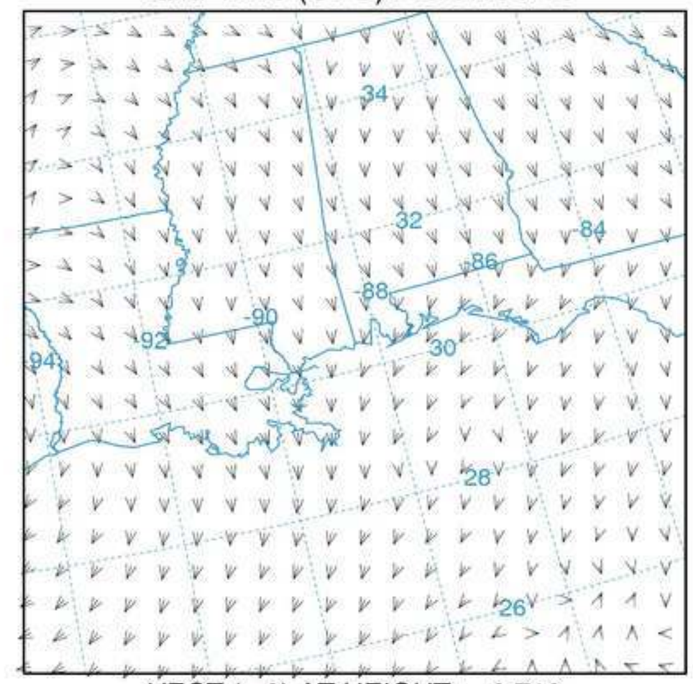
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/15



VECT (7) AT HEIGHT: 0.826

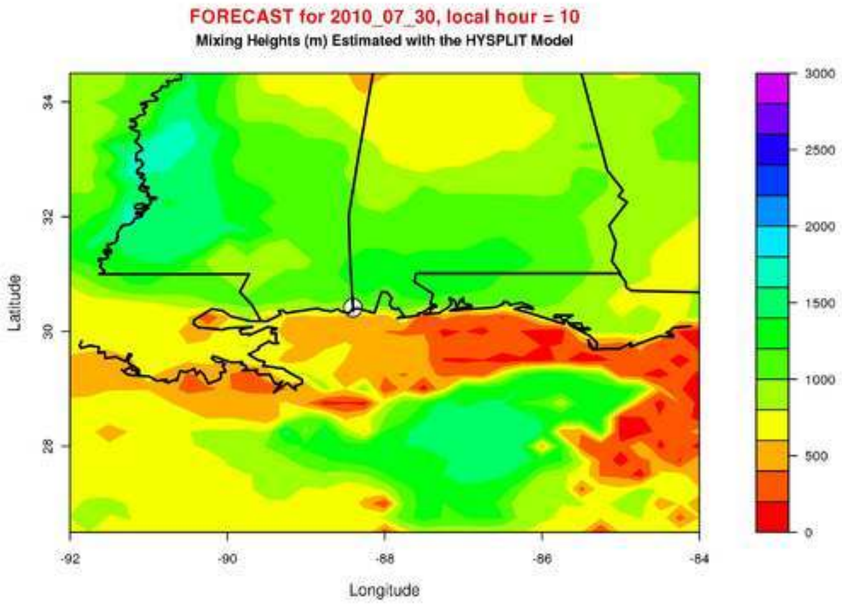
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

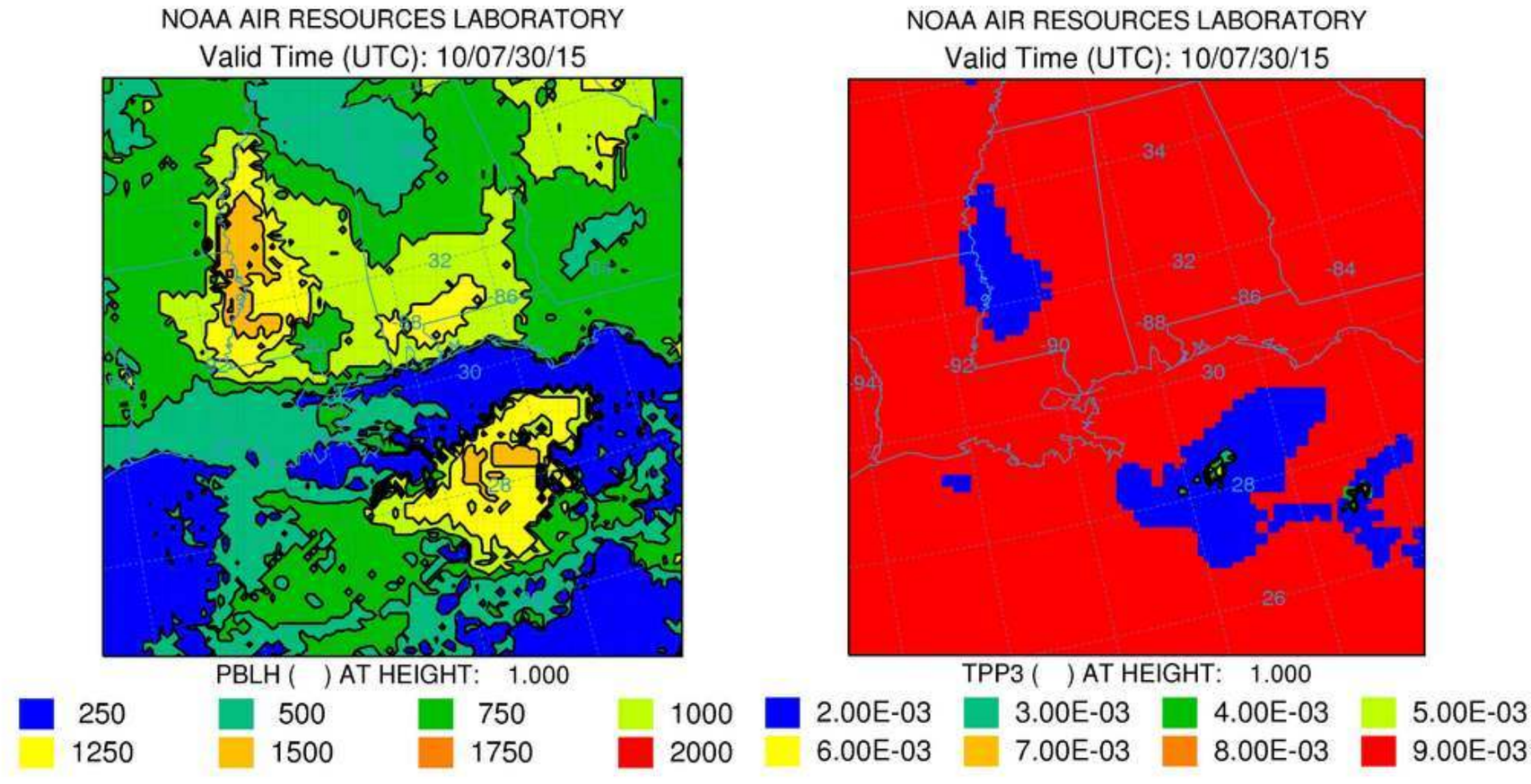
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/15

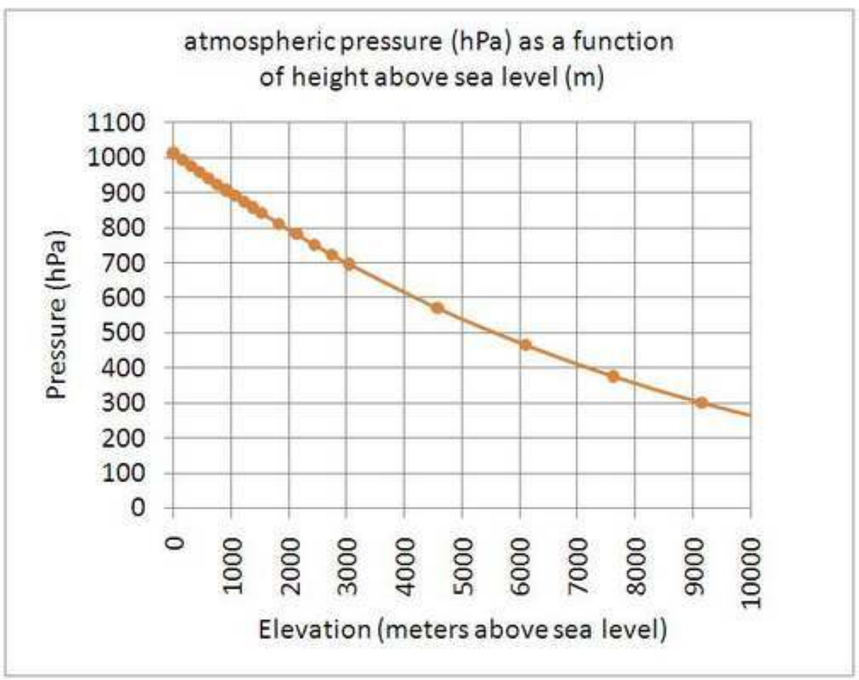


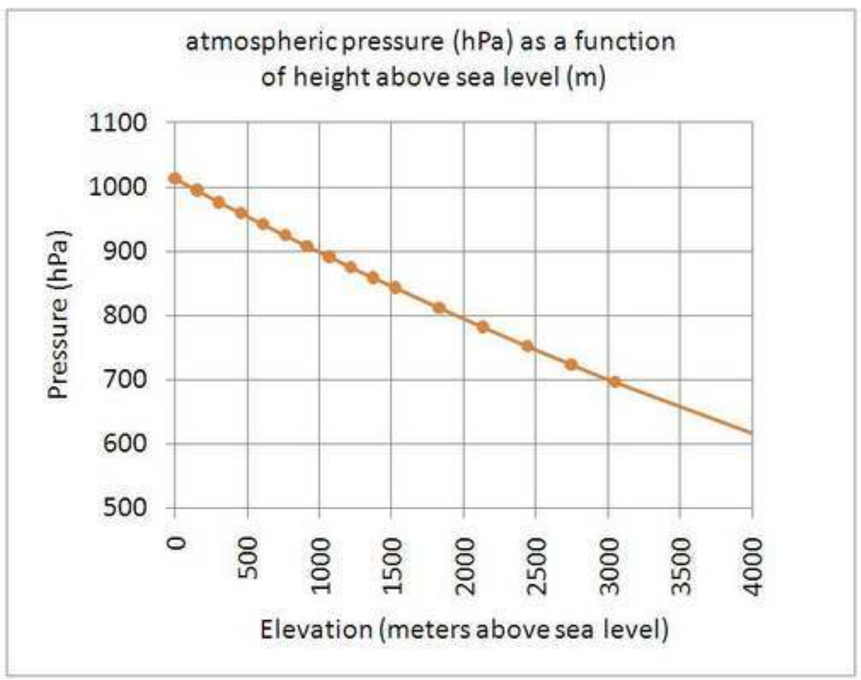
VECT (8) AT HEIGHT: 0.718

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


FORECAST for 2010_07_30, local hour = 10
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
3000
2500
2000
1500
1000
500
0


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/15
PBLH ( ) AT HEIGHT: 1.000
250
500
750
1000
1250
1500
1750
2000
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/15
TPP3 ( ) AT HEIGHT: 1.000
2.00E-03
3.00E-03
4.00E-03
5.00E-03
6.00E-03
7.00E-03
8.00E-03
9.00E-03


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
0
500
1000
1500
2000
2500
3000
3500
4000

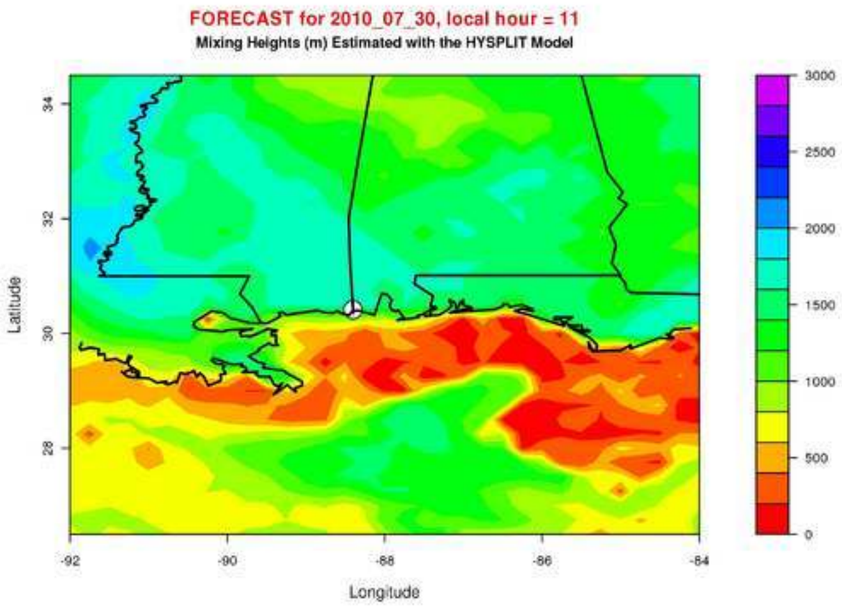
Meteorological Profile: hysplit.t00z.namsf

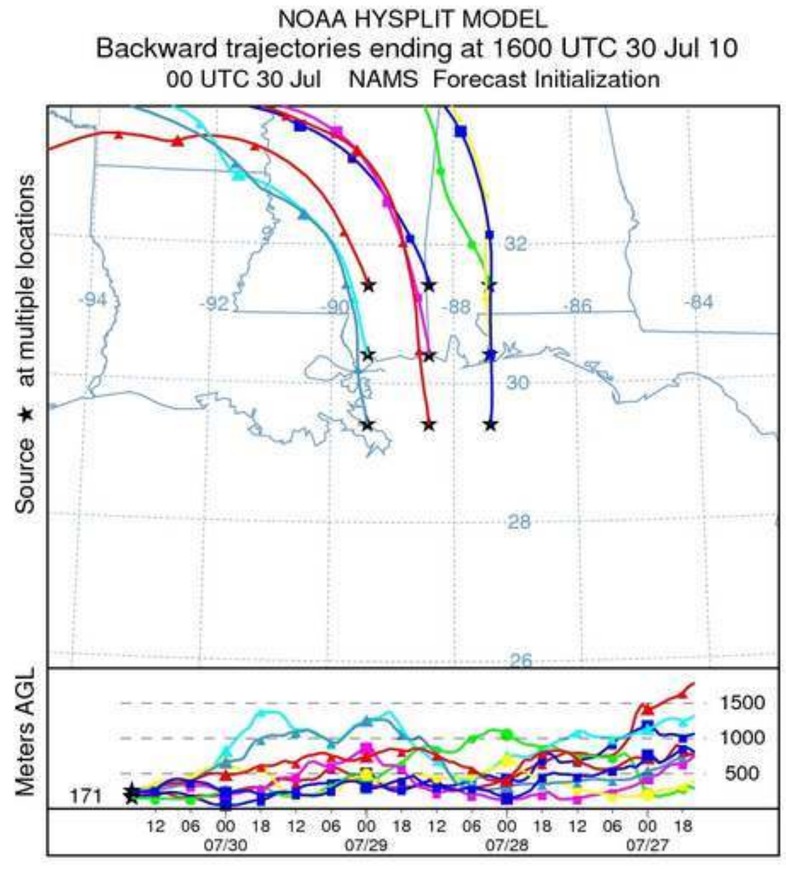
File start time : 10 7 30 0 0
File ending time: 10 8 1 0 0

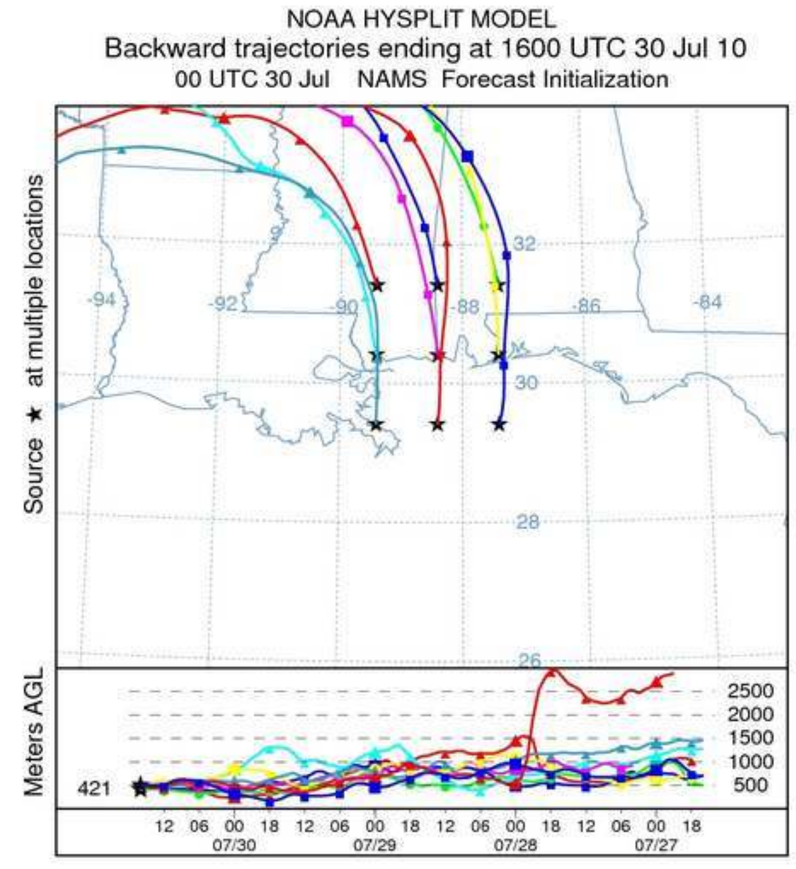
Profile Time: 10 7 30 15 0
Profile Location: 30.41 -88.40 (335,110)

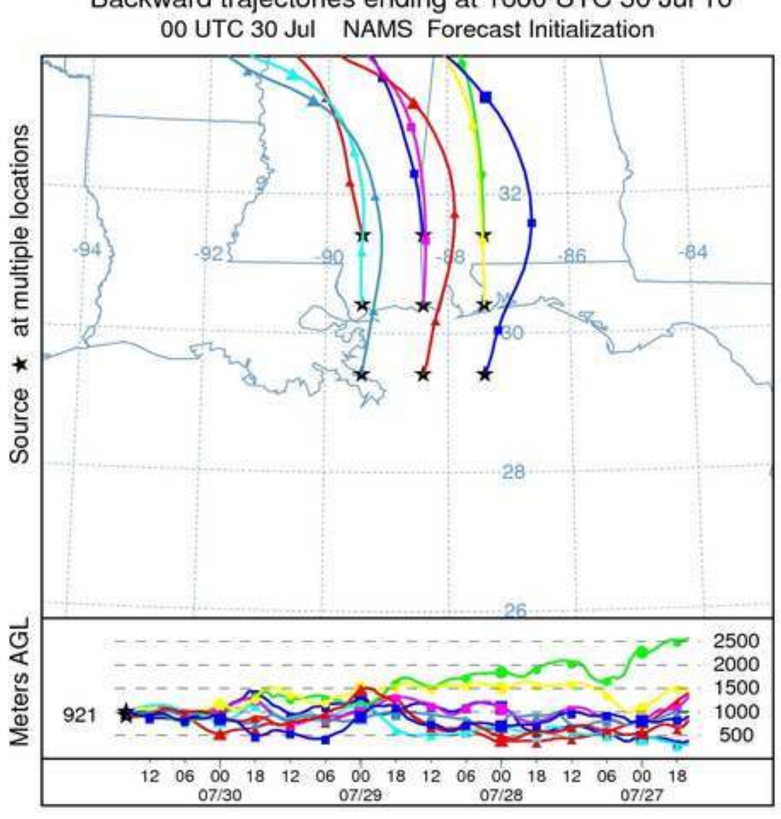
	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1016	0	1015	0	32.0	62.0	1.9	-4.4	1016	194	0	0.16	0	760	1041

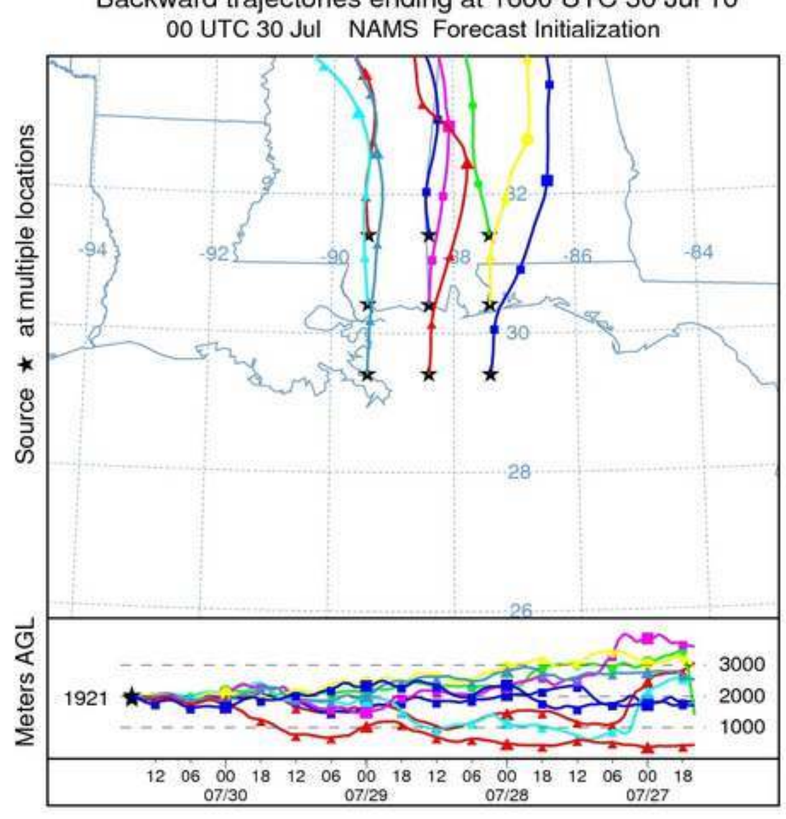
	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	UWND W->E	VWND S->N
1013	31.3	2.1	-5.0	2.6	16.6	0.53	303.3	0.8	-5.4
1008	30.8	2.5	-5.1	2.6	16.5	0.61	303.3	1.2	-5.6
1004	30.5	2.4	-5.2	1.6	16.3	0.67	303.3	1.1	-5.7
999	30.0	2.3	-5.4	1.5	16.4	0.80	303.3	0.9	-5.8
994	29.6	2.3	-5.4	3.0	16.2	0.80	303.3	0.9	-5.8
988	29.2	2.6	-5.4	0	16.3	0.80	303.3	1.2	-5.9
983	28.7	2.4	-5.7	0	16.2	0.90	303.3	1.0	-6.1
978	28.2	2.0	-6.1	1.2	16.2	0.80	303.3	0.5	-6.5
972	27.7	1.9	-6.4	2.3	16.1	0.80	303.3	0.3	-6.7
967	27.2	2.3	-6.6	2.9	16.1	0.80	303.3	0.6	-7.0
961	26.7	2.2	-6.8	2.5	15.7	1.3	303.3	0.5	-7.1
955	26.2	2.2	-7.0	2.6	15.2	0	303.4	0.4	-7.3
948	25.8	2.2	-7.2	3.9	14.9	0	303.5	0.4	-7.6
941	25.2	1.8	-7.5	7.2	14.4	0	303.6	-0.1	-7.7
934	24.7	1.9	-7.9	7.3	14.0	0	303.6	-0.1	-8.1
927	24.0	1.4	-8.0	7.7	13.6	0	303.7	-0.5	-8.1
918	23.3	1.2	-7.9	6.8	13.5	0.20	303.8	-0.8	-8.0
897	21.4	1.4	-6.7	4.3	12.9	0.20	303.9	-0.2	-6.8
870	19.3	1.6	-4.7	3.8	12.7	0.20	304.4	0.4	-4.9
839	17.2	2.0	-5.0	7.0	12.2	0.20	305.4	0.8	-5.4
805	15.3	1.2	-5.7	7.0	10.9	0.20	306.9	-0.2	-5.8
768	13.6	0	-5.9	7.0	9.1	0.20	309.2	-1.4	-5.7
729	11.4	-0.71	-5.5	0	7.3	0.20	311.4	-2.0	-5.2
688	8.6	-1.8	-6.3	-7.0	5.8	0.20	313.6	-3.3	-5.7
645	5.7	-2.6	-6.2	0	4.3	0.20	316.2	-4.0	-5.4
598	2.2	-2.8	-5.9	0	3.3	0.20	318.9	-4.2	-5.1
550	-1.6	-1.4	-4.7	0	2.5	0.20	322.2	-2.5	-4.2
501	-5.9	0	-3.8	4.9	1.3	0.20	325.6	-0.9	-3.6
452	-11.6	-2.8	-1.4	7.0	1.0	0.20	328.2	-3.0	-0.7
403	-17.5	-4.4	-1.8	7.0	0.69	0.20	331.7	-4.7	-0.7
353	-24.9	-1.2	0	3.9	0.47	0.20	334.4	-1.2	0.3
304	-32.9	-2.9	-3.6	7.0	0.25	0.20	337.7	-3.7	-2.8
260	-41.8	-3.1	-4.6	8.8	0.14	0.20	340.2	-4.1	-3.7
220	-50.5	-1.8	-0.60	7.8	1E-1	0.20	343.2	-1.9	-0.1
183	-61.2	-2.3	0	3.7	3E-2	0.20	344.6	-2.3	0.6
138	-71.6	-7.5	-7.3	0	1E-2	0.20	355.0	-9.0	-5.3
88	-67.4	-10.3	-5.8	0.19	1E-2	0.20	412.2	-11.4	-3.2
63	-59.9	-19.0	-2.6	1.2	1E-2	0.20	470.3	-19.0	2.1
38	-46.6	-26.2	-4.6	0.29	3E-2	0.20	578.3	-26.5	1.8

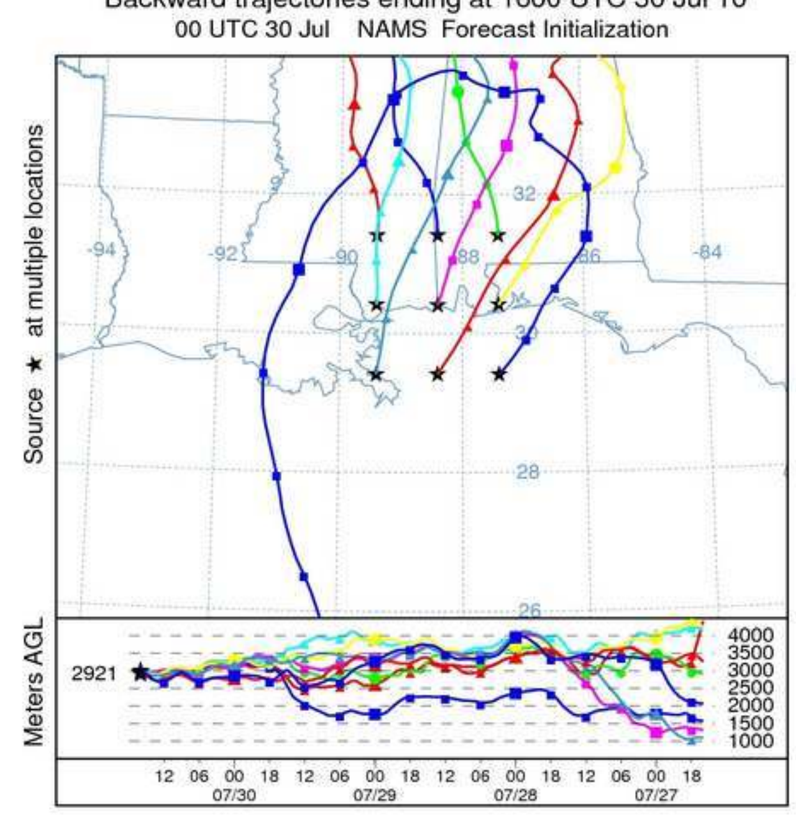

FORECAST for 2010_07_30, local hour = 11
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0


NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
1500
1000
500
07/30
07/29
07/28
07/27

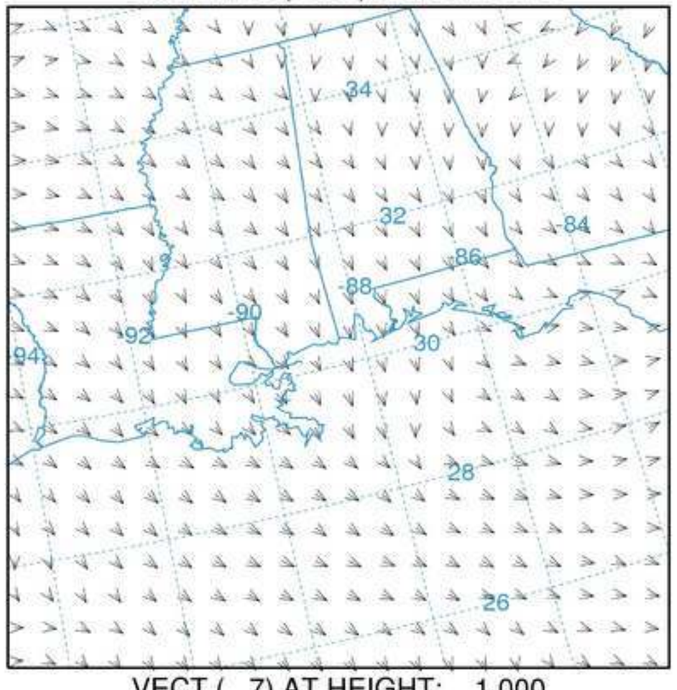

NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2000
1000
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4000
3500
3000
2500
2000
1500
1000
07/30
07/29
07/28
07/27

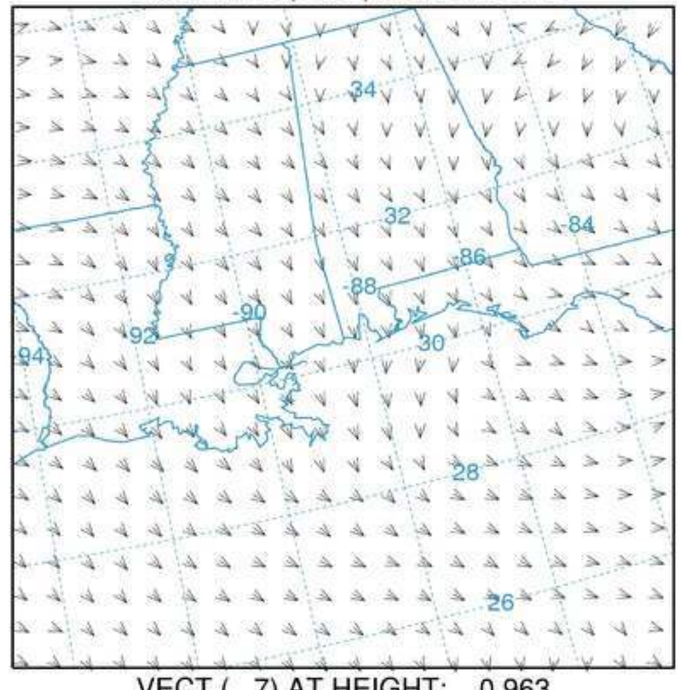
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/16



VECT (7) AT HEIGHT: 1.000

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

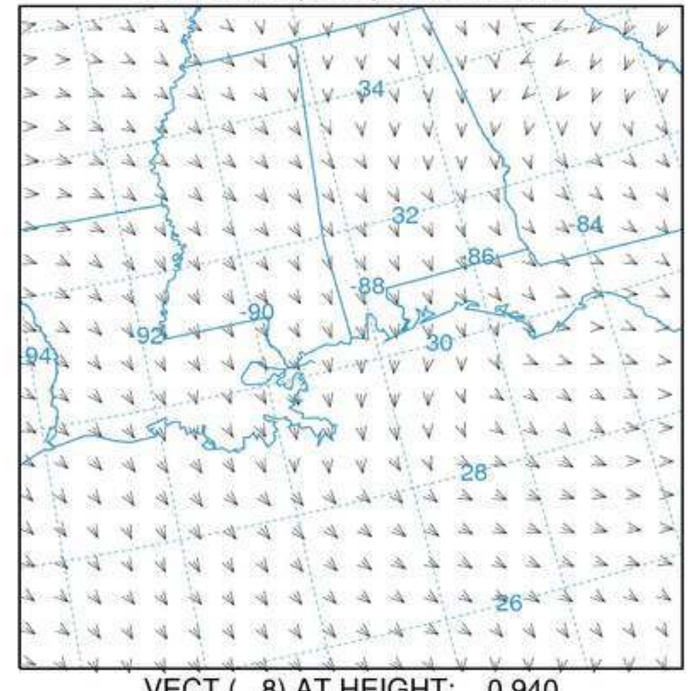
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/16



VECT (7) AT HEIGHT: 0.963

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

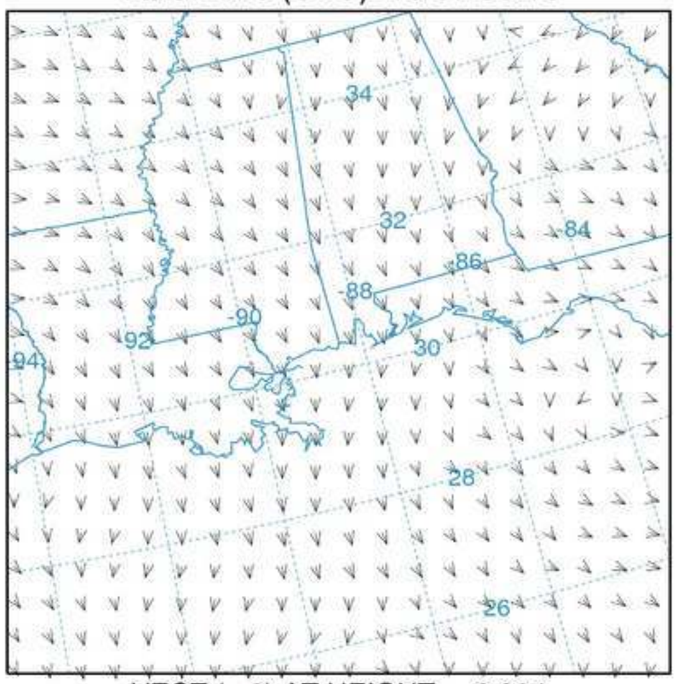
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/16



VECT (8) AT HEIGHT: 0.940

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

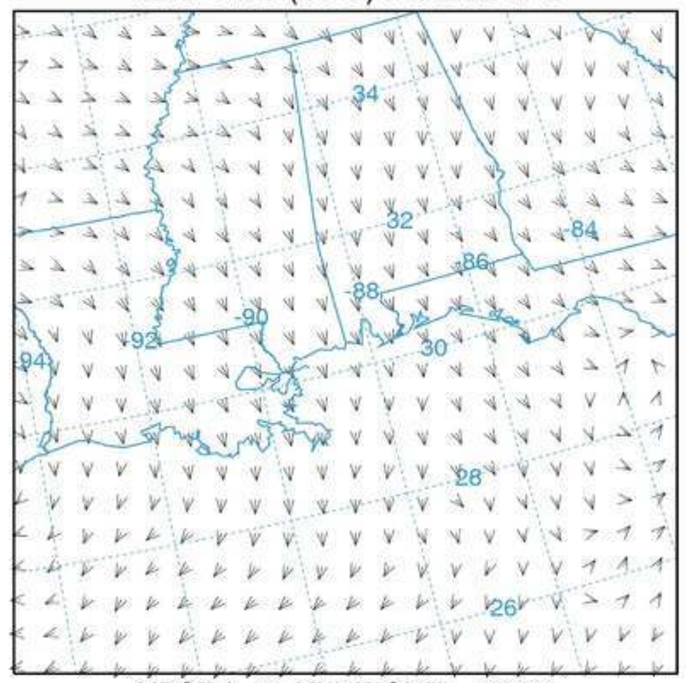
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/16



VECT (8) AT HEIGHT: 0.904

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

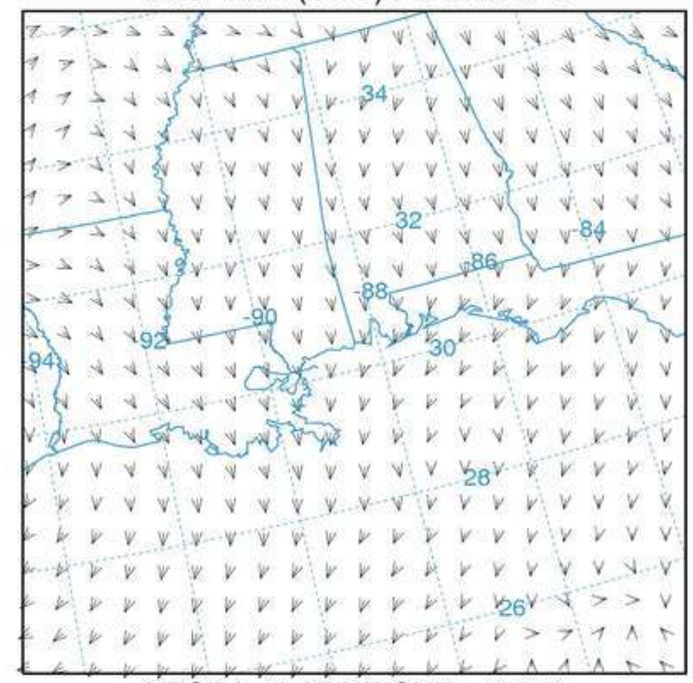
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/16



VECT (6) AT HEIGHT: 0.826

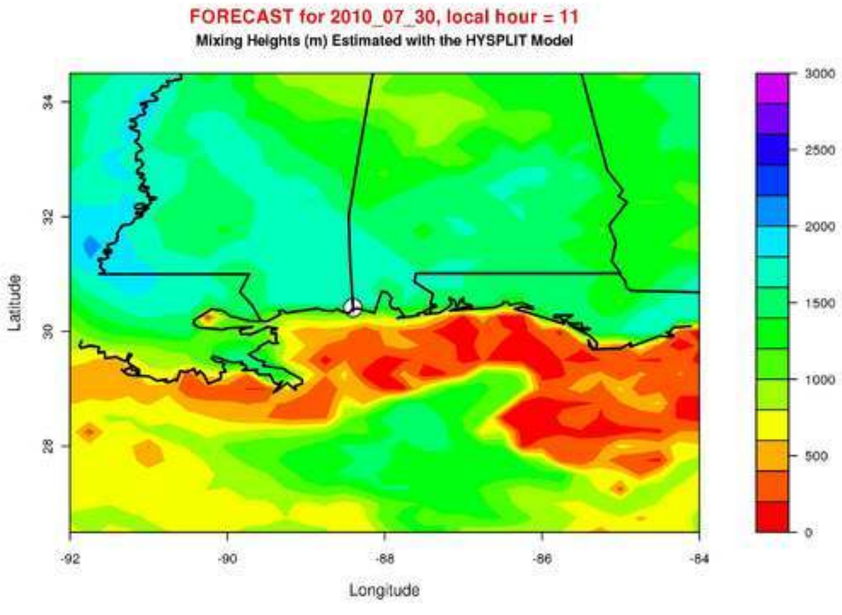
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

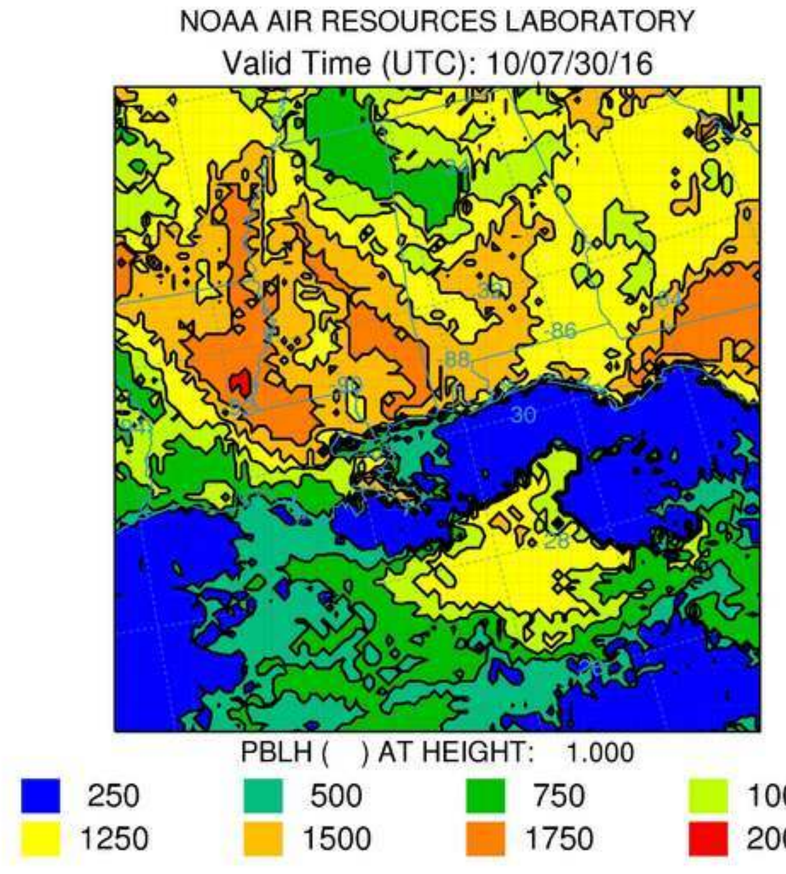
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/16

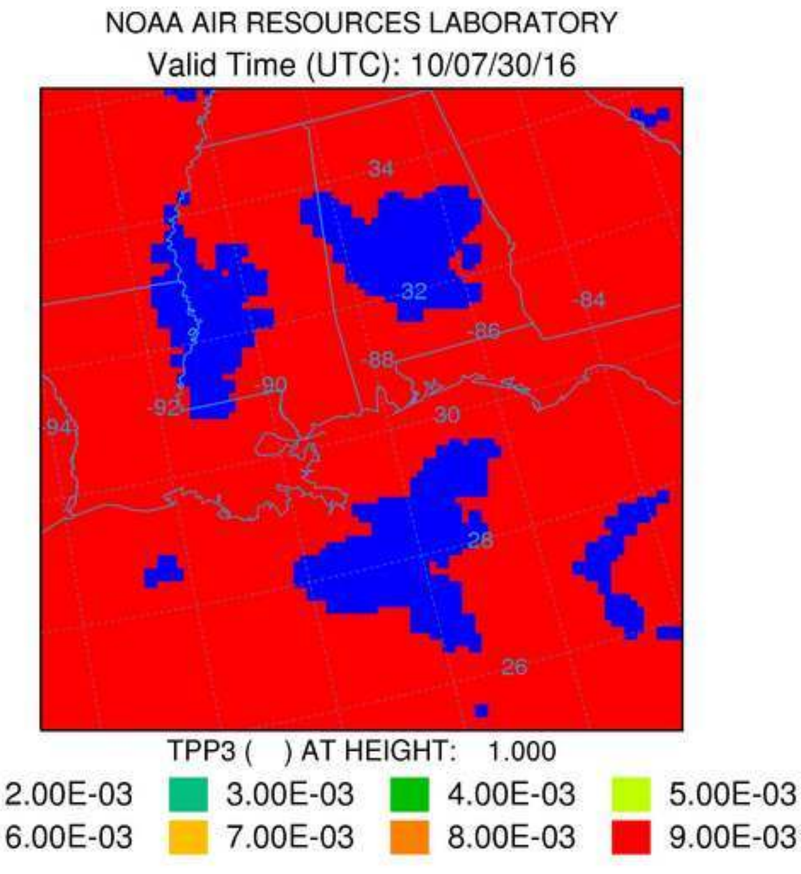


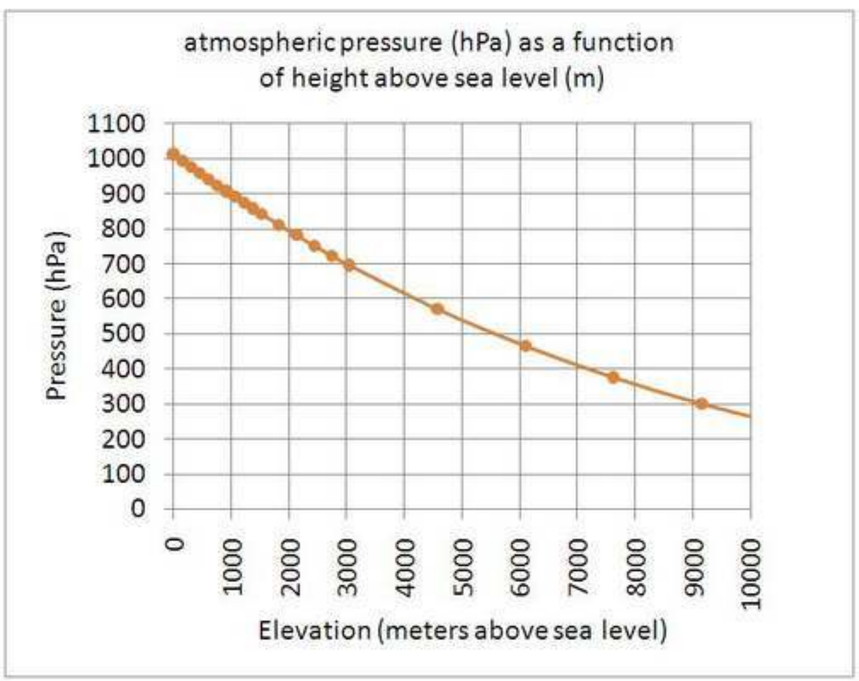
VECT (8) AT HEIGHT: 0.718

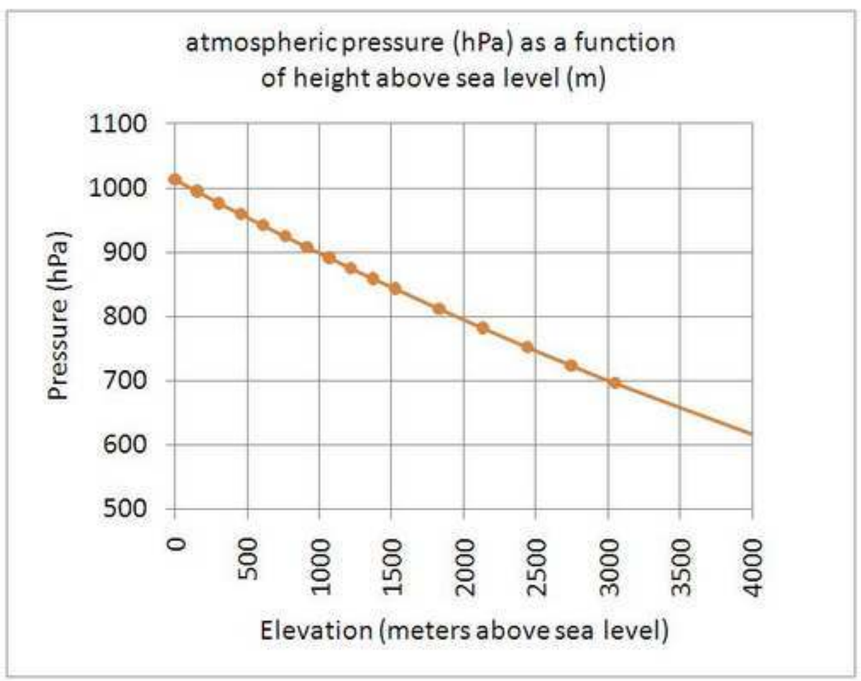
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters


FORECAST for 2010_07_30, local hour = 11
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
3000
2500
2000
1500
1000
500
0


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/16
PBLH ( ) AT HEIGHT: 1.000
250
500
750
1000
1250
1500
1750
2000


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/16
TPP3 ( ) AT HEIGHT: 1.000
2.00E-03
3.00E-03
4.00E-03
5.00E-03
6.00E-03
7.00E-03
8.00E-03
9.00E-03


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
0
500
1000
1500
2000
2500
3000
3500
4000

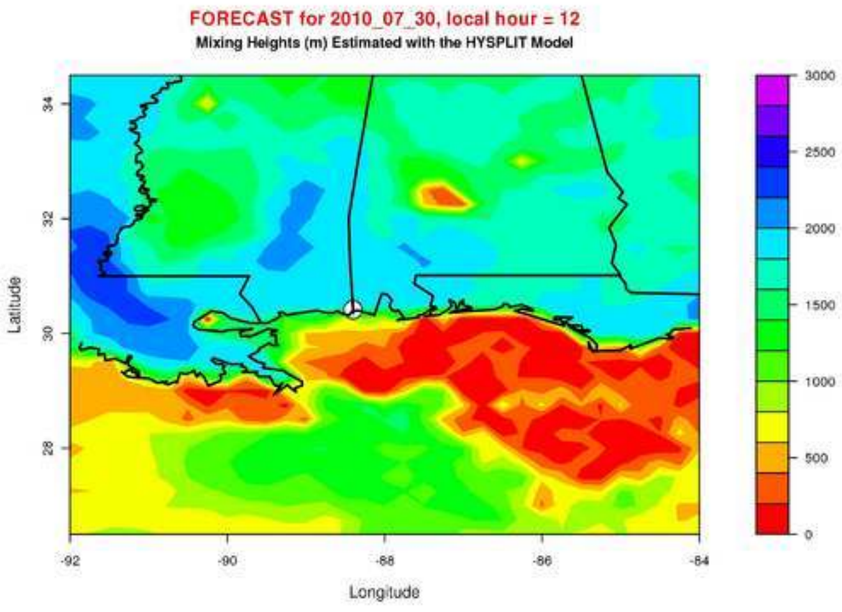
Meteorological Profile: hysplit.t00z.namsf

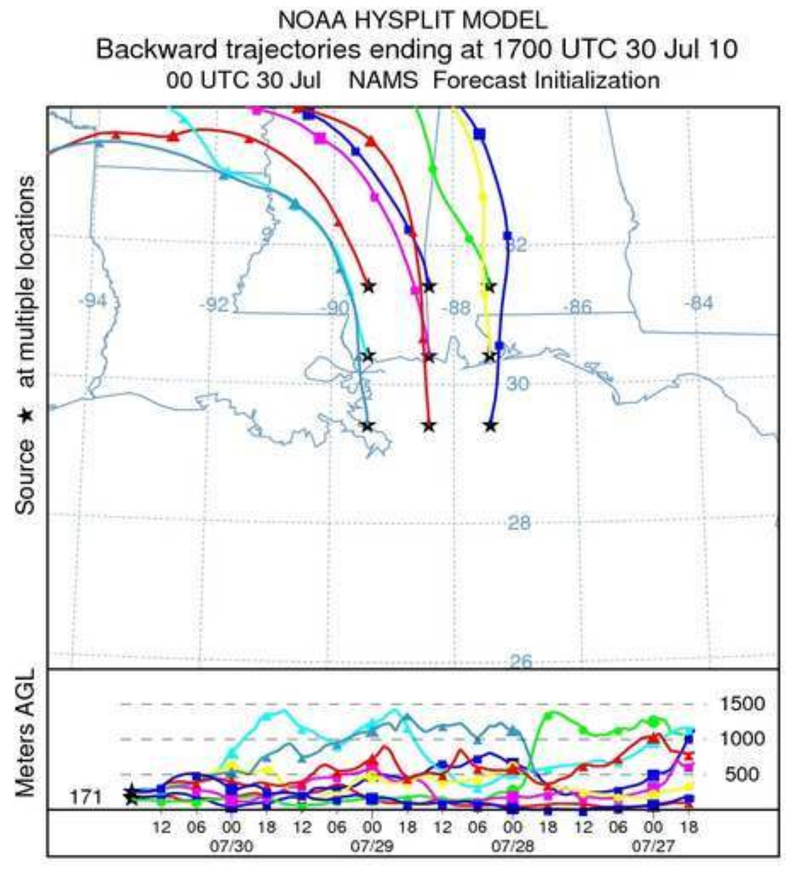
File start time : 10 7 30 0 0
File ending time: 10 8 1 0 0

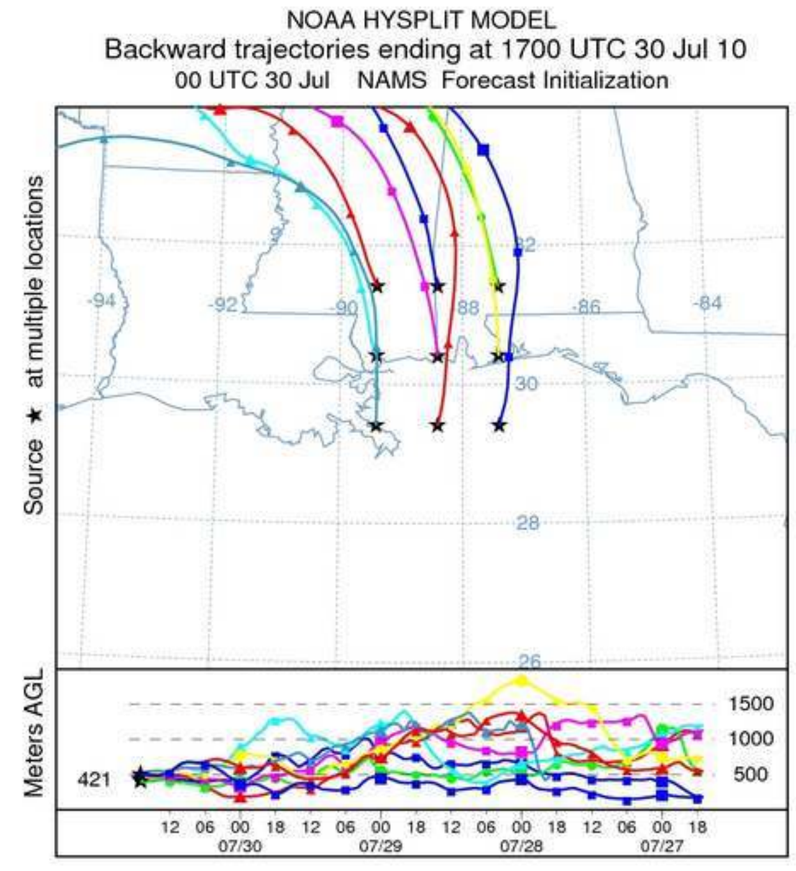
Profile Time: 10 7 30 16 0
Profile Location: 30.41 -88.40 (335,110)

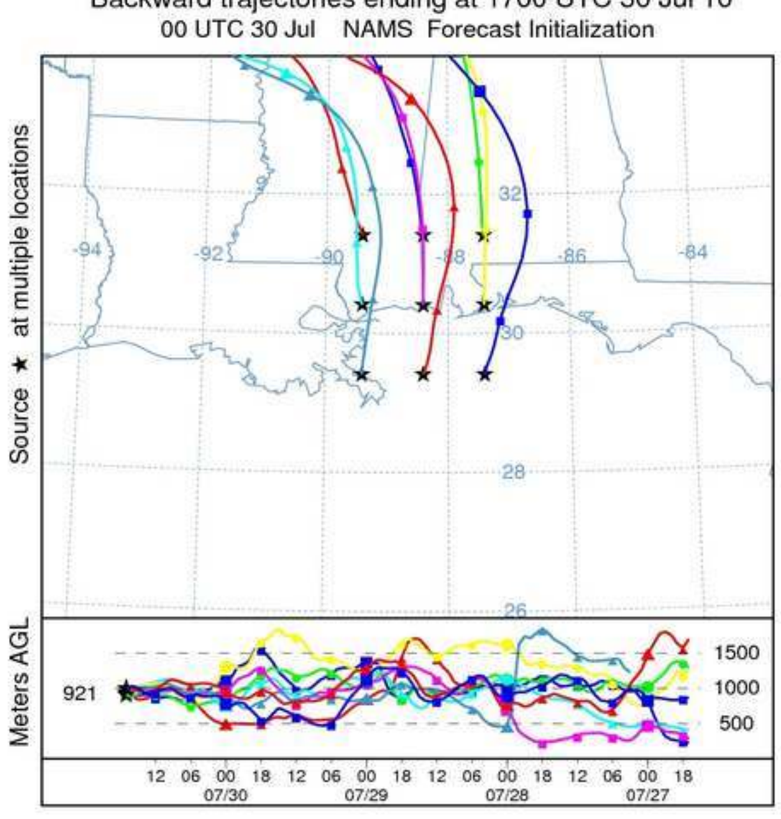
SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1016	0	1015	0	32.6	57.0	1.1	-3.7	1016	184	0	0.15	0	898	1598

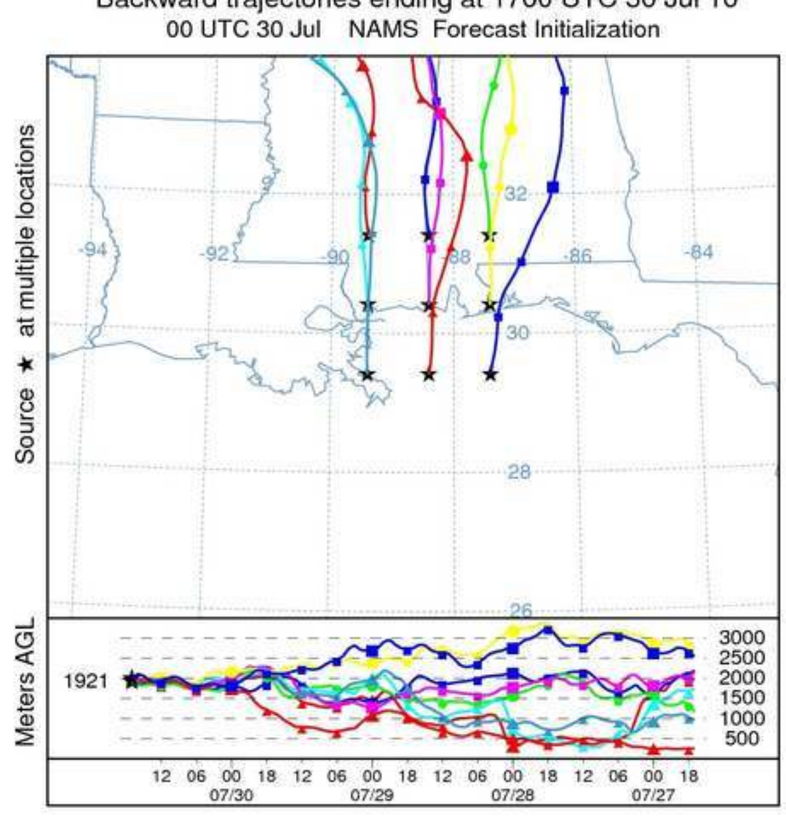
	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	UWND W->E	VWND S->N
1013	32.1	1.2	-4.2	0	15.9	0.65	304.1	0.2	-4.3
1009	31.7	1.4	-4.2	0	15.8	0.78	304.1	0.3	-4.4
1004	31.3	1.3	-4.4	0	15.7	0.90	304.2	0.2	-4.5
999	30.9	1.1	-4.5	-1.8	15.7	1.0	304.2	0.0	-4.6
994	30.4	1.0	-4.6	0	15.6	1.0	304.1	-0.1	-4.7
989	29.8	1.1	-4.6	-1.8	15.6	1.2	304.0	0.0	-4.7
983	29.4	1.1	-4.8	0	15.6	1.2	304.0	-0.1	-4.9
978	28.9	1.5	-4.7	0	15.6	1.2	304.0	0.3	-4.9
973	28.4	1.3	-4.7	0	15.5	1.2	304.0	0.2	-4.8
967	27.9	1.5	-4.9	0	15.5	1.4	304.0	0.3	-5.1
961	27.3	1.4	-5.0	-3.9	15.5	1.3	303.9	0.1	-5.1
955	26.8	1.3	-5.1	-3.0	15.5	1.3	304.0	0.1	-5.3
948	26.2	1.5	-5.3	-4.0	15.5	1.3	303.9	0.2	-5.5
942	25.6	1.7	-5.4	-3.1	15.5	1.3	303.9	0.4	-5.6
935	24.9	1.4	-5.5	-2.4	15.5	1.3	303.8	0.0	-5.7
927	24.0	1.4	-5.7	-2.1	15.5	1.2	303.7	0.0	-5.9
918	23.1	1.3	-6.1	0	15.3	1.2	303.6	-0.2	-6.2
897	21.5	0.61	-6.4	0	12.6	0.83	304.0	-0.9	-6.4
870	19.6	0.72	-4.7	-2.9	12.2	0.20	304.7	-0.4	-4.7
839	17.4	1.4	-5.2	-3.5	11.9	0.20	305.5	0.1	-5.4
805	15.5	0.76	-5.6	-5.8	10.7	0.20	307.1	-0.6	-5.6
768	13.7	0	-5.8	-5.5	8.9	0.20	309.3	-1.4	-5.6
730	11.3	-0.44	-5.8	-10.5	7.4	0.20	311.3	-1.8	-5.5
688	8.4	-1.5	-6.7	-14.1	6.0	0.20	313.3	-3.1	-6.2
645	5.2	-3.1	-6.4	-14.1	4.5	0.20	315.6	-4.6	-5.5
598	1.8	-3.8	-5.8	-14.1	3.4	0.20	318.5	-5.1	-4.7
550	-1.7	-1.7	-5.0	-7.0	2.5	0.20	322.0	-2.8	-4.4
502	-5.8	0	-4.1	0	1.3	0.20	325.7	-1.0	-4.0
453	-11.3	-2.5	-1.3	0	1.1	0.20	328.5	-2.8	-0.7
403	-17.2	-3.5	-1.7	4.0	0.72	0.20	332.0	-3.8	-0.8
353	-24.6	0	-1.0	7.0	0.44	0.20	334.8	-0.2	-1.0
305	-32.6	-2.2	-4.6	5.5	0.23	0.20	338.0	-3.2	-3.9
260	-41.7	-2.8	-3.5	6.1	0.12	0.20	340.4	-3.5	-2.8
220	-50.2	-1.3	0	6.7	1E-1	0.20	343.6	-1.2	0.3
183	-60.9	-1.8	0	1.8	3E-2	0.20	345.0	-1.7	0.4
138	-72.3	-7.7	-6.2	-1.5	1E-2	0.20	353.9	-9.0	-4.2
88	-67.0	-11.1	-6.9	0.40	1E-2	0.20	413.0	-12.4	-4.1
63	-58.6	-18.0	-1.3	0.53	1E-2	0.20	473.0	-17.8	3.0
38	-47.1	-26.2	-4.5	0.13	3E-2	0.20	576.8	-26.5	2.0

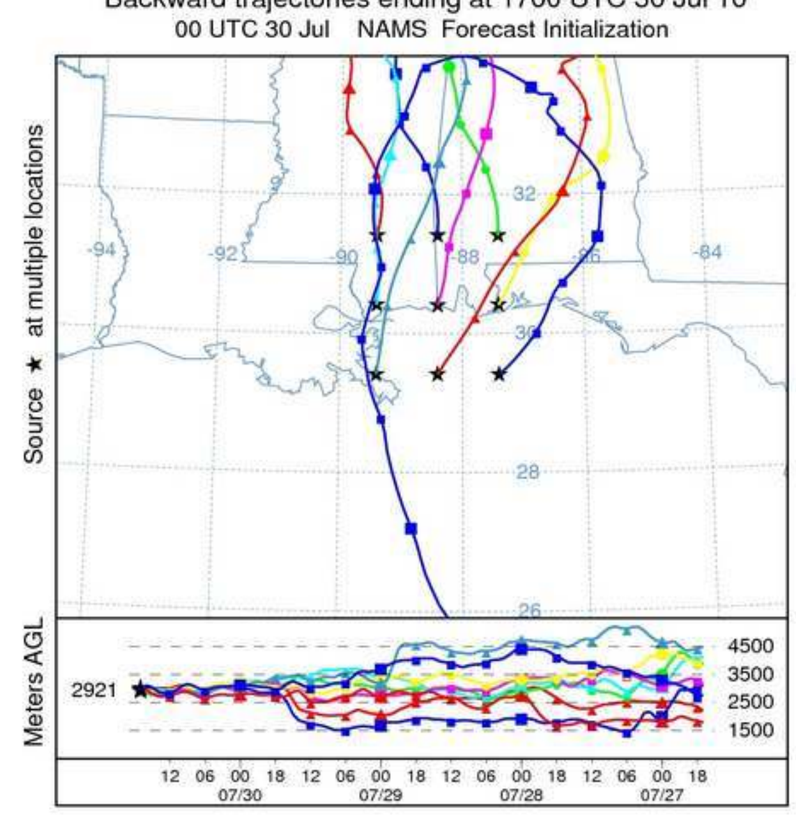

FORECAST for 2010_07_30, local hour = 12
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0


NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
1500
1000
500
07/30
07/29
07/28
07/27

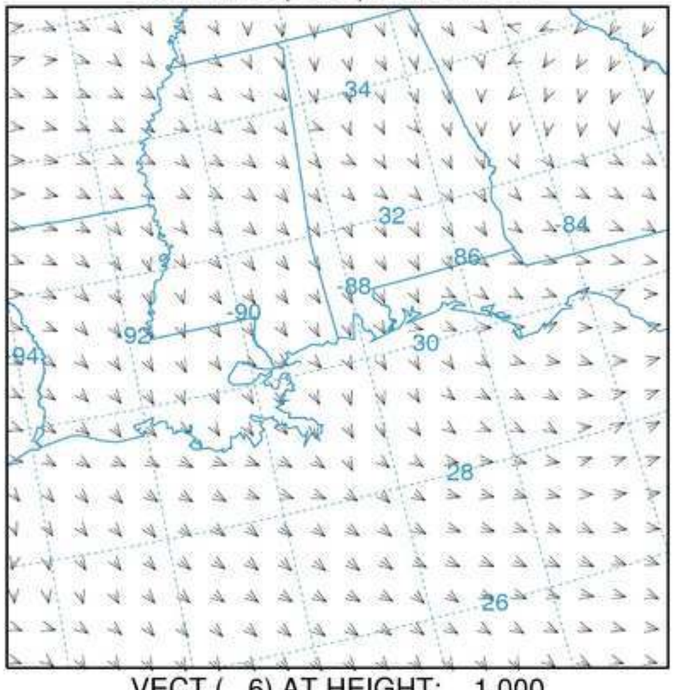

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4500
3500
2500
1500
07/30
07/29
07/28
07/27

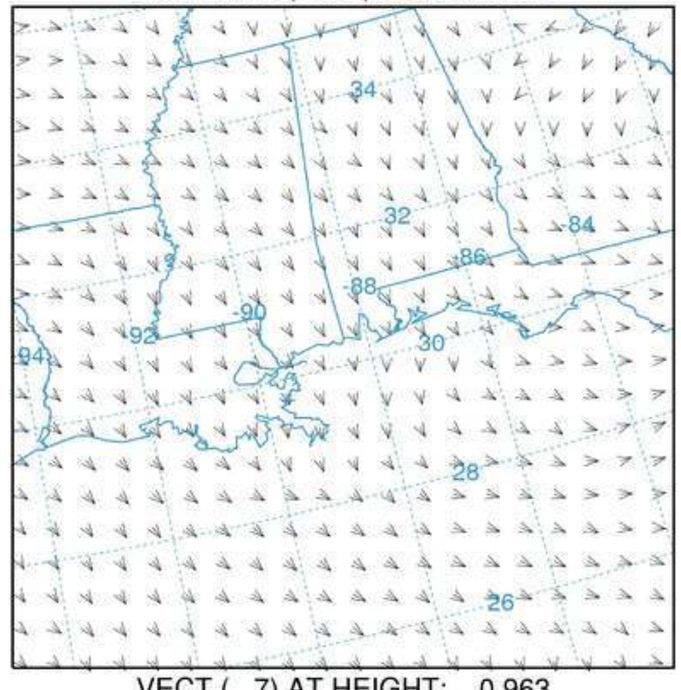
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/17



VECT (6) AT HEIGHT: 1.000

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

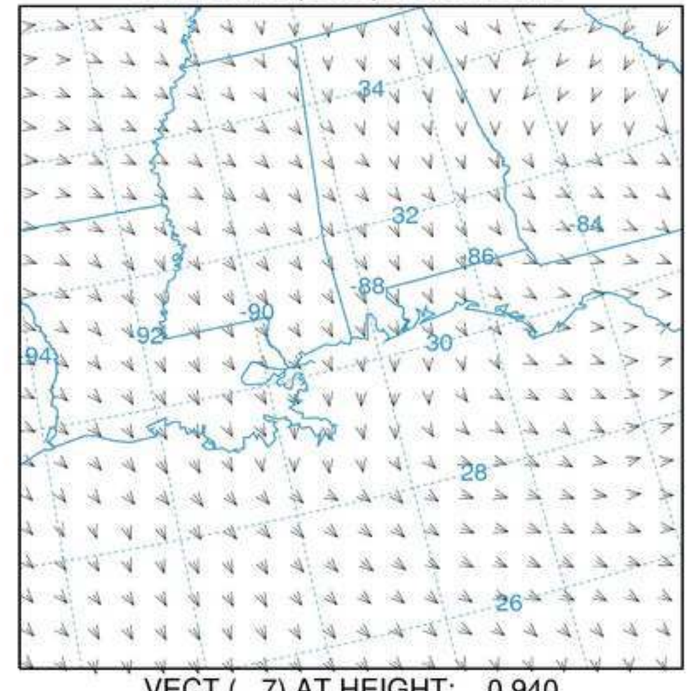
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/17



VECT (7) AT HEIGHT: 0.963

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

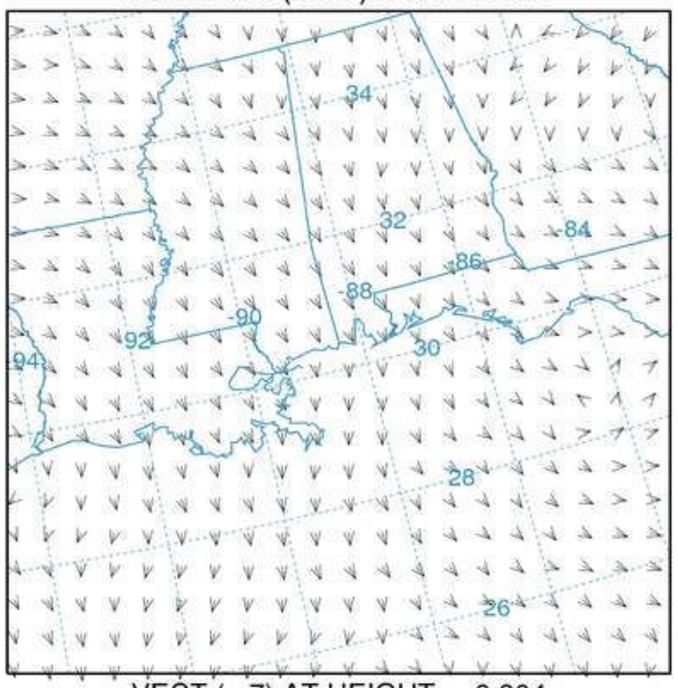
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/17



VECT (7) AT HEIGHT: 0.940

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

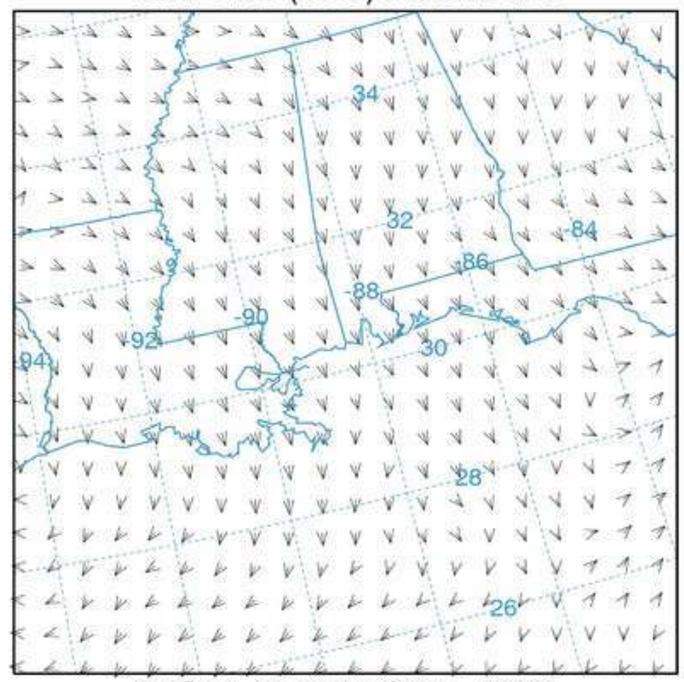
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/17



VECT (7) AT HEIGHT: 0.904

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

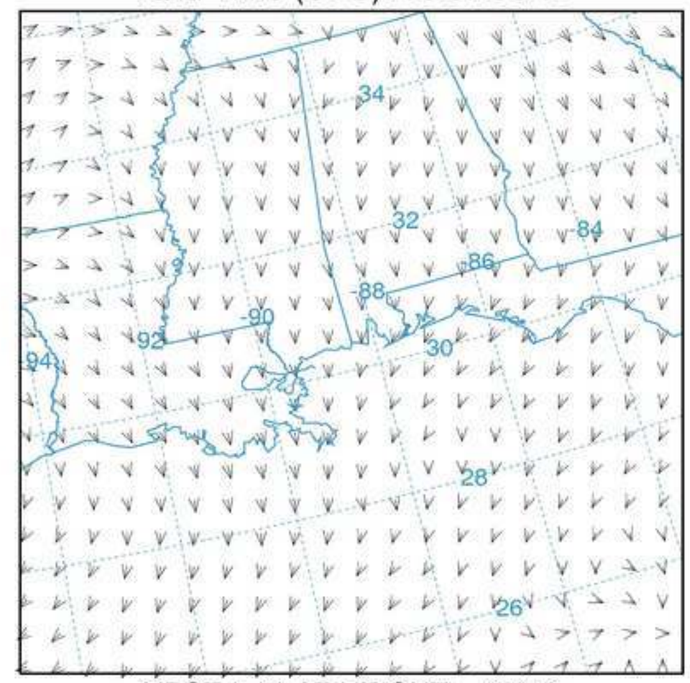
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/17



VECT (7) AT HEIGHT: 0.826

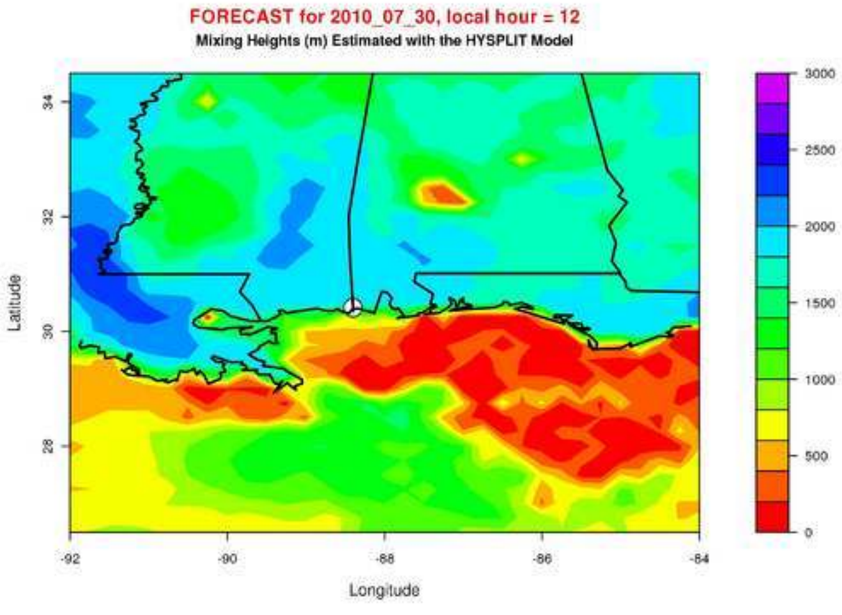
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

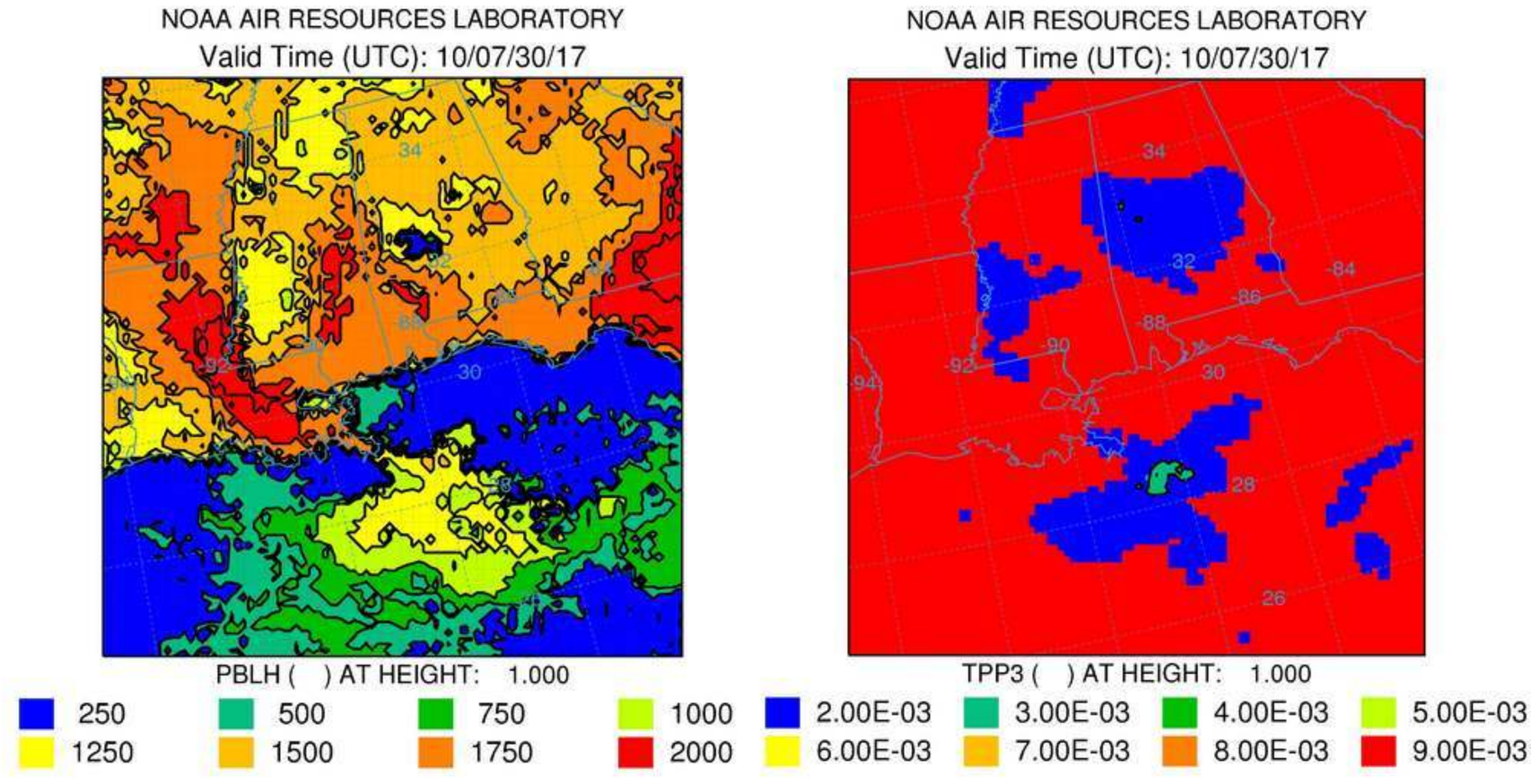
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/17

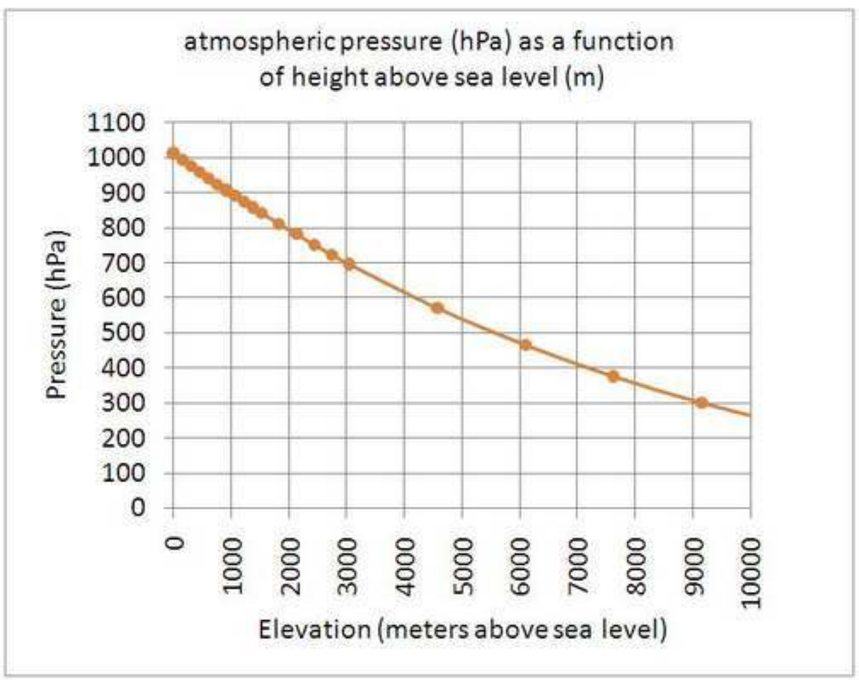


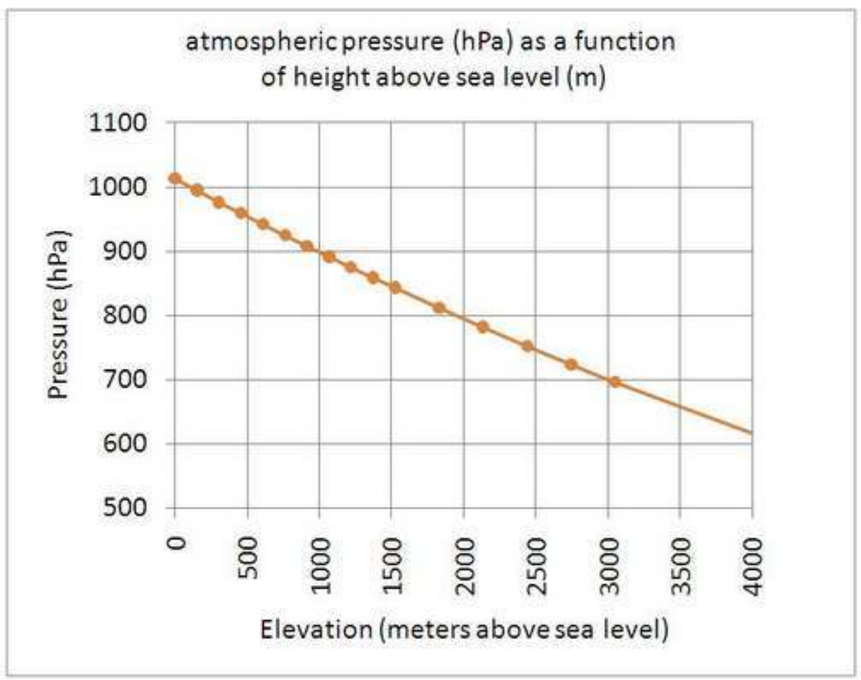
VECT (8) AT HEIGHT: 0.718

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


FORECAST for 2010_07_30, local hour = 12
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
3000
2500
2000
1500
1000
500
0


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/17
PBLH ( ) AT HEIGHT: 1.000
250
500
750
1000
1250
1500
1750
2000
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/17
TPP3 ( ) AT HEIGHT: 1.000
2.00E-03
3.00E-03
4.00E-03
5.00E-03
6.00E-03
7.00E-03
8.00E-03
9.00E-03


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
0
500
1000
1500
2000
2500
3000
3500
4000

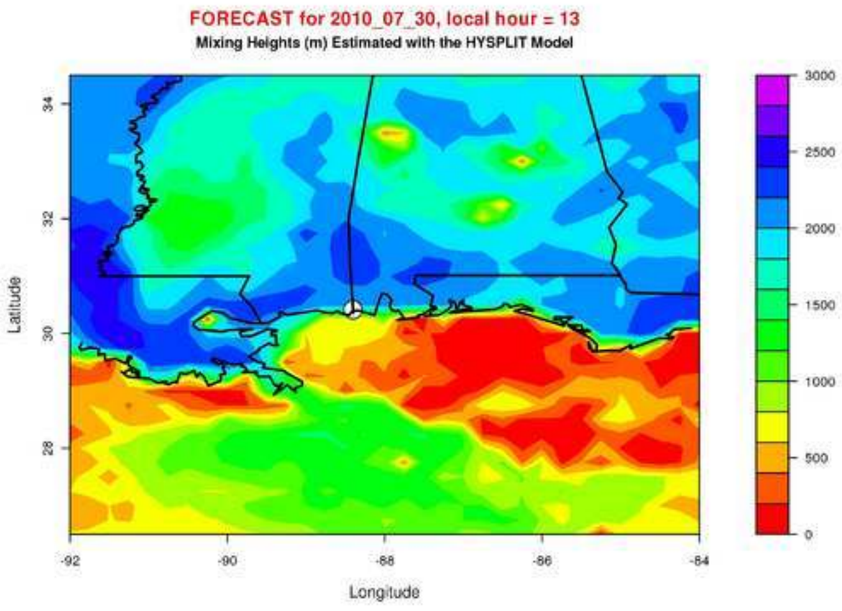
Meteorological Profile: hysplit.t00z.namsf

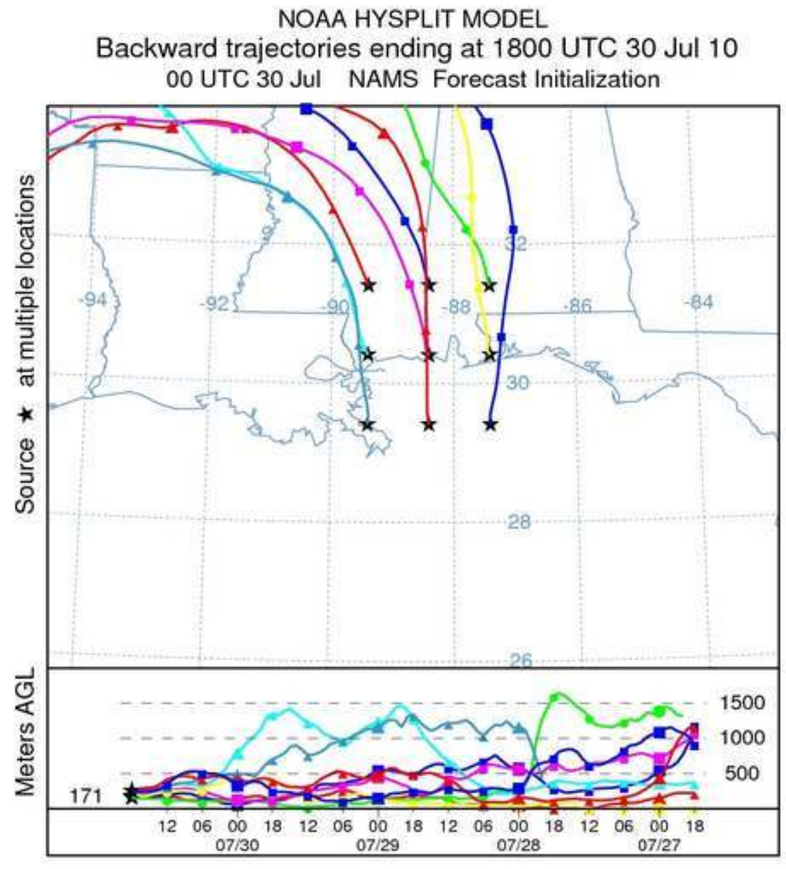
File start time : 10 7 30 0 0
File ending time: 10 8 1 0 0

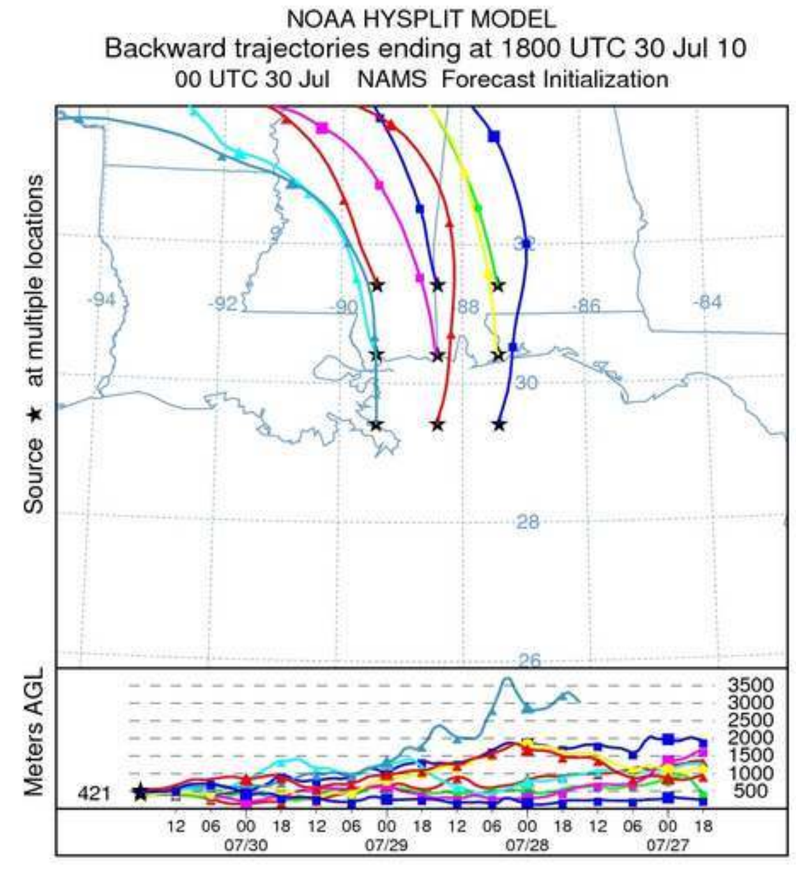
Profile Time: 10 7 30 17 0
Profile Location: 30.41 -88.40 (335,110)

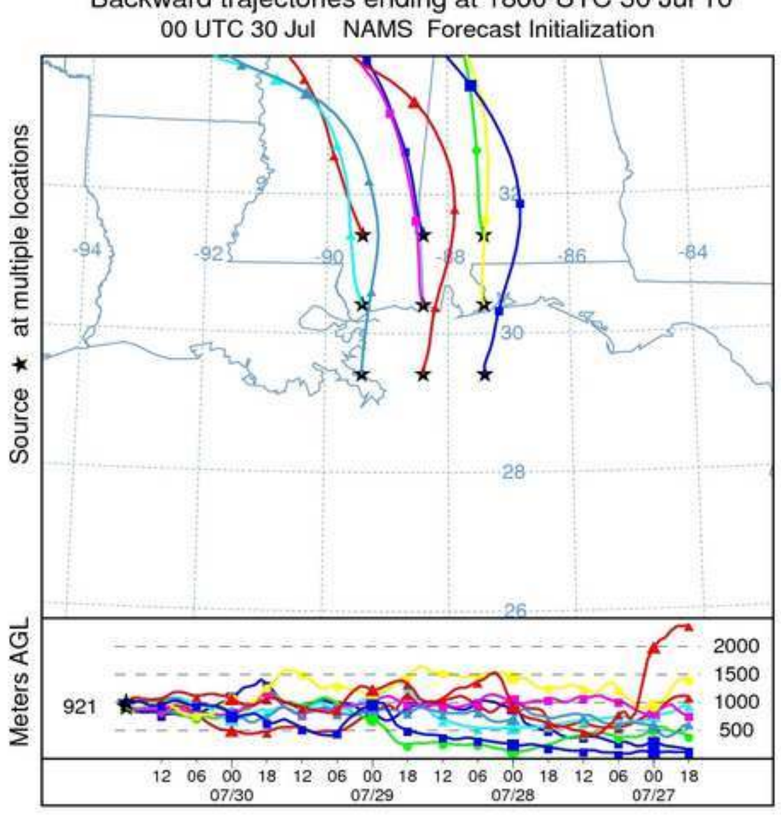
	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1013	0	1014	0	33.2	54.0	0.88	-1.8	1013	137	0	1E-1	0	987	1919

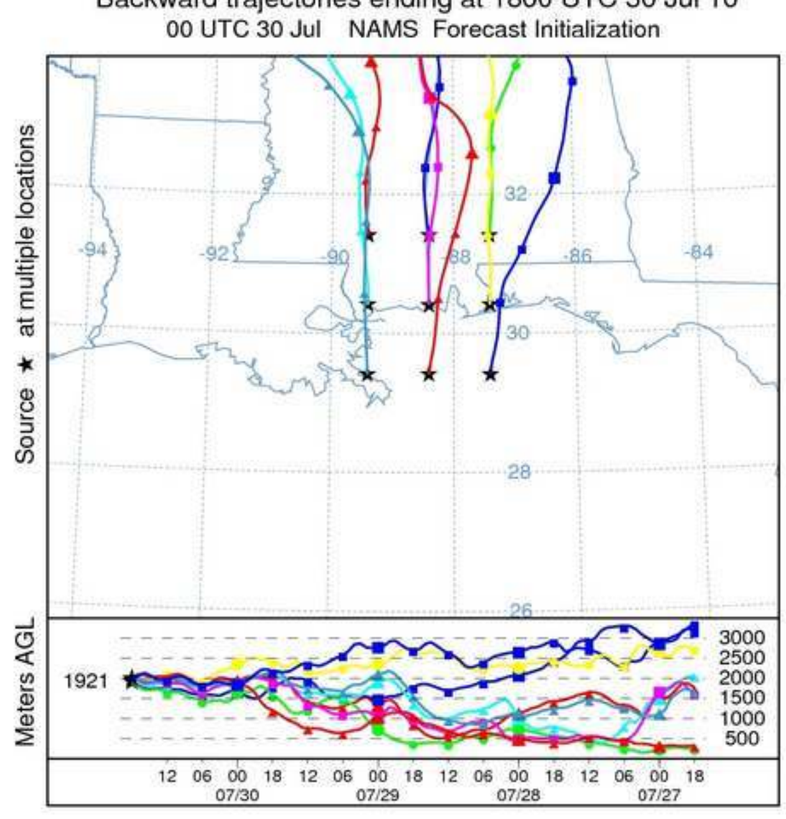
	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	UWND W->E	VWND S->N
1011	32.8	0.97	-2.1	0	15.7	0.65	305.0	0.4	-2.3
1006	32.4	1.1	-2.2	-2.6	15.6	0.65	305.0	0.5	-2.3
1001	32.0	0.89	-2.2	-2.1	15.6	0.78	305.0	0.3	-2.4
997	31.5	1.3	-2.4	0	15.6	0.90	305.0	0.7	-2.6
991	31.1	1.1	-2.5	0	15.5	1.0	305.0	0.5	-2.7
986	30.4	1.4	-2.5	-3.5	15.4	1.0	304.8	0.7	-2.7
981	30.1	1.3	-2.7	-5.3	15.5	1.0	304.9	0.6	-2.9
976	29.5	1.3	-2.7	-3.5	15.4	1.5	304.8	0.6	-3.0
970	29.1	1.2	-2.8	-7.0	15.4	1.5	304.9	0.5	-3.0
965	28.5	1.4	-3.1	-5.3	15.4	1.5	304.7	0.6	-3.4
959	28.0	1.2	-3.1	-5.3	15.4	1.4	304.8	0.5	-3.3
953	27.3	1.4	-3.2	-8.8	15.4	1.4	304.7	0.6	-3.5
946	26.7	1.2	-3.3	-8.8	15.4	1.4	304.6	0.3	-3.5
939	26.1	1.4	-3.4	-8.7	15.4	1.4	304.6	0.5	-3.7
932	25.4	1.7	-3.7	-7.0	15.4	1.3	304.6	0.7	-4.0
925	24.6	1.6	-3.7	-8.0	15.3	1.1	304.5	0.7	-4.0
916	23.7	1.3	-4.0	-7.9	15.4	1.1	304.4	0.3	-4.2
895	21.3	1.6	-4.3	-5.1	15.4	0.95	304.0	0.5	-4.5
868	19.7	0.79	-4.6	-3.5	11.9	0.33	305.0	-0.3	-4.7
837	17.5	1.5	-5.1	-7.0	11.5	0.20	305.8	0.3	-5.4
803	15.4	1.4	-5.7	-4.1	10.6	0.20	307.2	0.0	-5.8
767	13.3	0.63	-5.8	-7.8	9.2	0.20	309.1	-0.8	-5.8
728	10.8	0	-6.1	-9.9	7.9	0.20	310.9	-1.5	-5.9
687	7.6	-1.5	-6.9	-12.0	6.5	0.20	312.7	-3.1	-6.4
643	4.5	-3.0	-6.2	-11.8	5.0	0.20	315.0	-4.4	-5.3
597	1.1	-4.1	-5.3	-4.9	3.6	0.20	317.9	-5.2	-4.1
549	-1.9	-2.6	-5.0	0	2.6	0.20	322.0	-3.7	-4.3
500	-5.7	0	-4.4	6.6	1.3	0.20	326.1	-1.1	-4.3
451	-11.1	-2.8	-2.3	4.4	1.1	0.20	329.0	-3.3	-1.6
402	-16.9	-3.3	-2.6	5.5	0.71	0.20	332.5	-3.9	-1.8
352	-24.2	0	-2.5	7.8	0.39	0.20	335.5	-0.6	-2.4
304	-32.4	-3.1	-4.5	6.5	0.20	0.20	338.5	-4.1	-3.7
259	-41.4	-3.6	-3.3	3.3	0.11	0.20	341.1	-4.3	-2.4
220	-50.0	-1.9	1.3	0	1E-1	0.20	344.1	-1.5	1.7
183	-60.8	-2.6	1.2	-1.7	3E-2	0.20	345.3	-2.2	1.8
138	-72.4	-7.6	-4.9	-2.2	1E-2	0.20	354.0	-8.6	-3.0
88	-66.5	-11.4	-7.3	0.23	1E-2	0.20	414.1	-12.8	-4.4
63	-58.3	-15.5	-0.59	-0.69	1E-2	0.20	474.1	-15.2	3.1
38	-47.1	-26.7	-4.7	1E-1	3E-2	0.20	577.2	-27.0	1.9

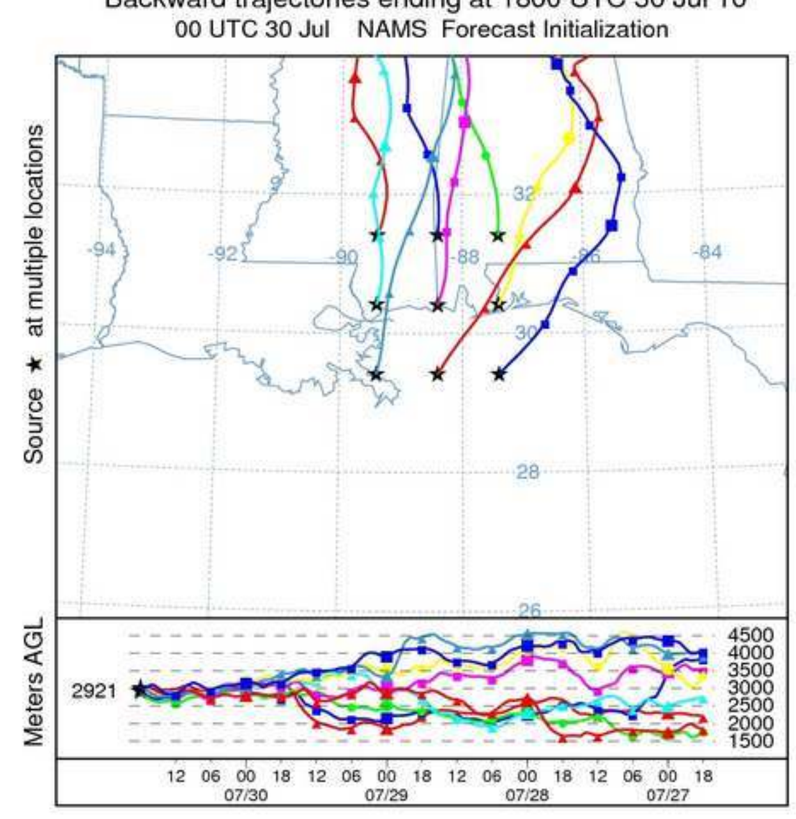

FORECAST for 2010_07_30, local hour = 13
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0


NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
1500
1000
500
07/30
07/29
07/28
07/27

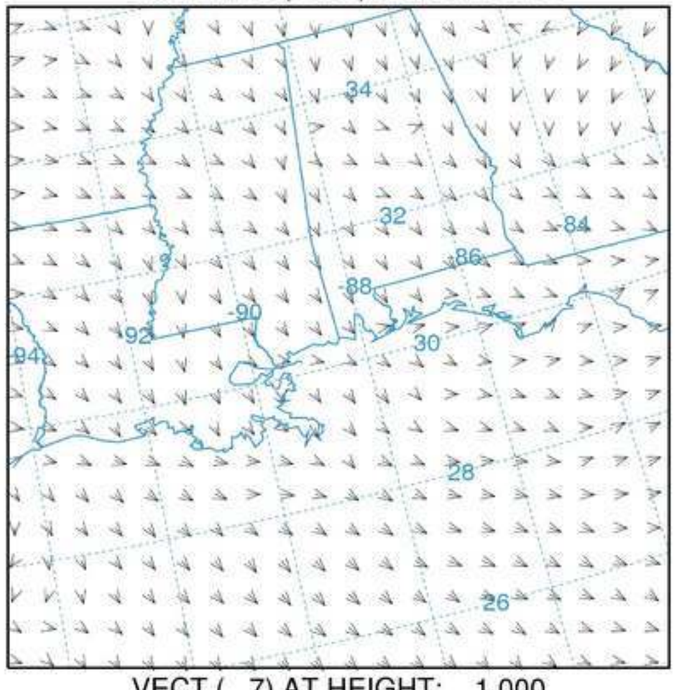

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
3500
3000
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4500
4000
3500
3000
2500
2000
1500
07/30
07/29
07/28
07/27

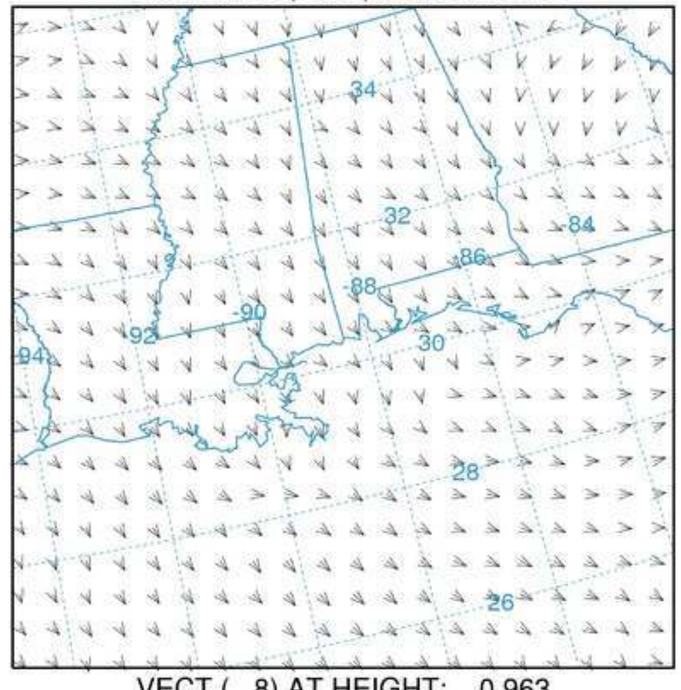
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/18



VECT (7) AT HEIGHT: 1.000

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

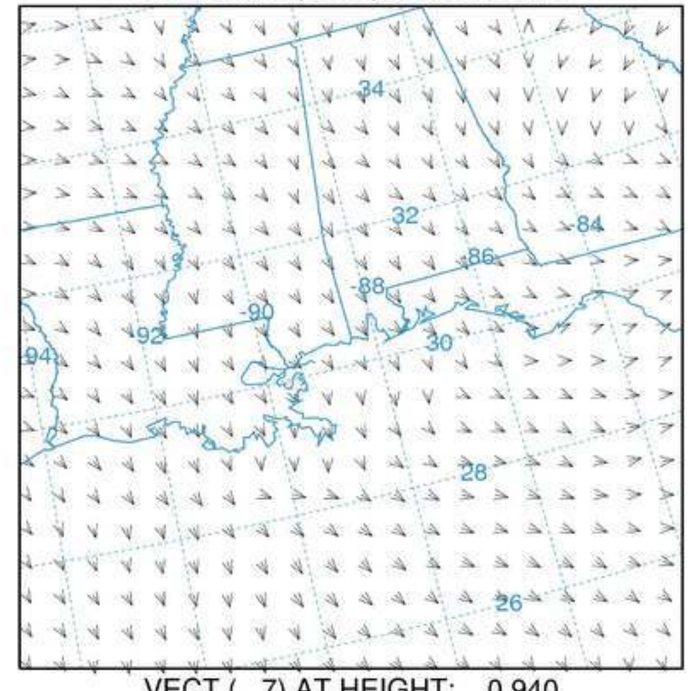
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/18



VECT (8) AT HEIGHT: 0.963

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

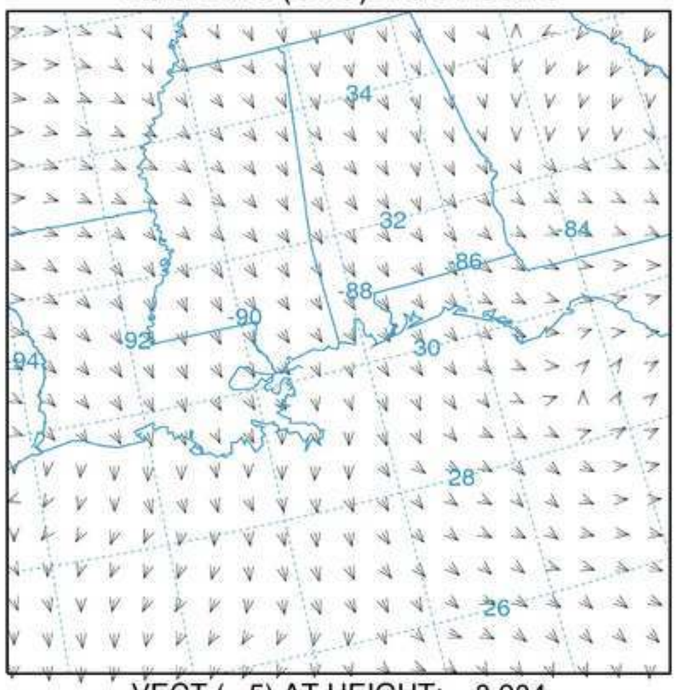
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/18



VECT (7) AT HEIGHT: 0.940

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

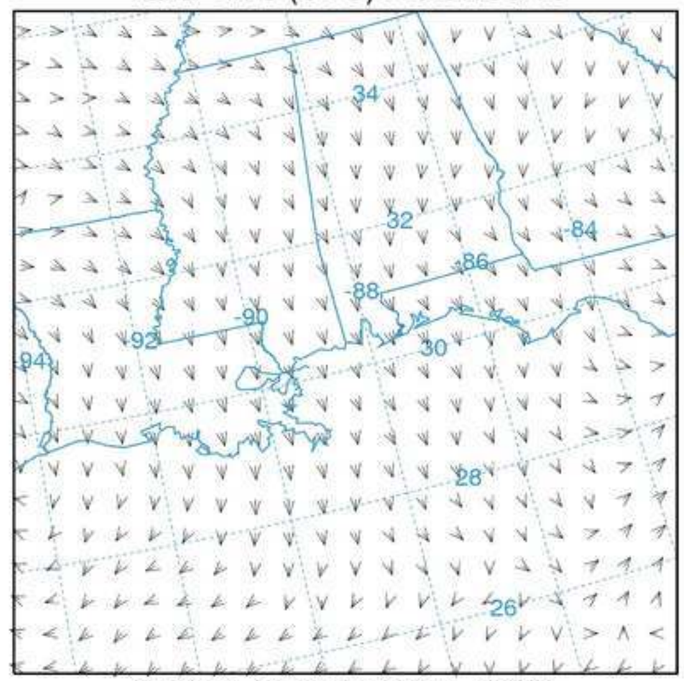
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/18



VECT (5) AT HEIGHT: 0.904

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

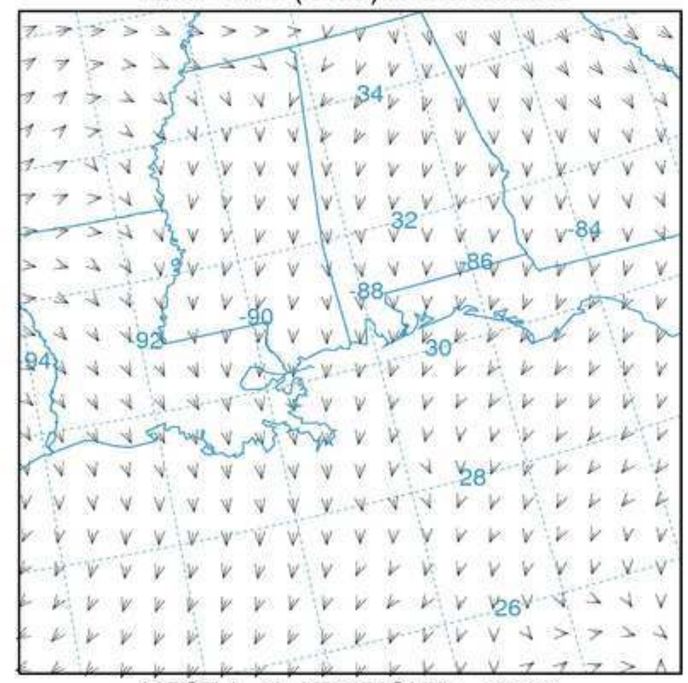
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/18



VECT (7) AT HEIGHT: 0.826

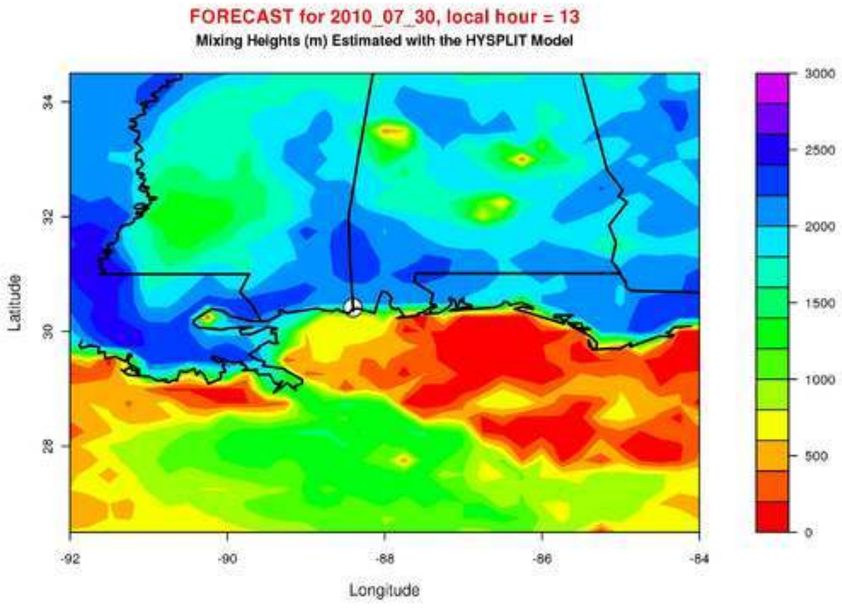
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

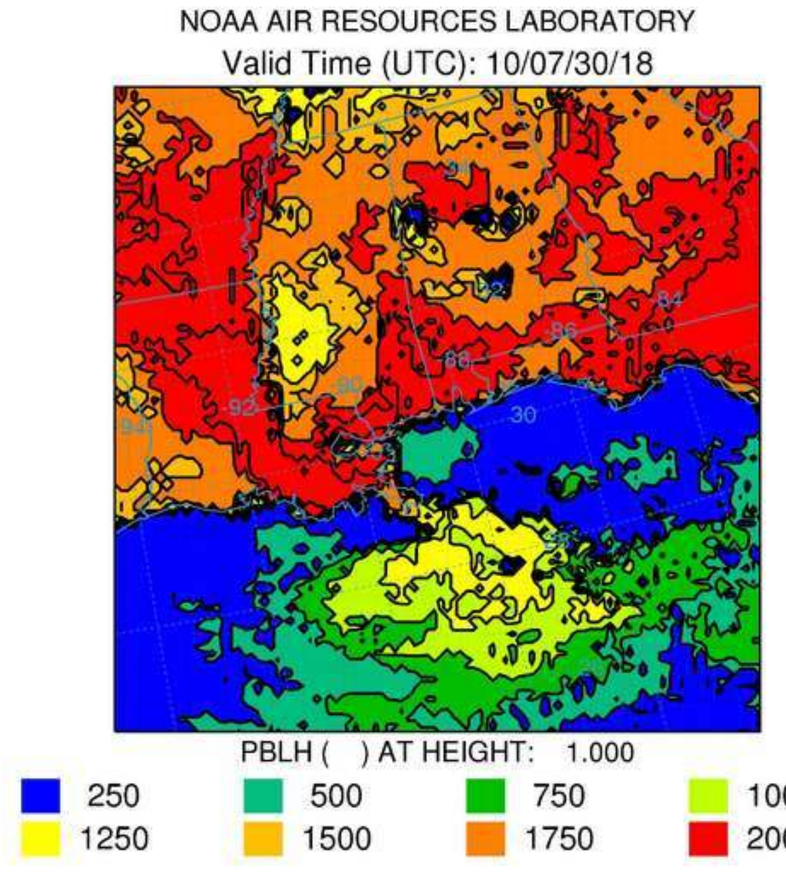
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/18

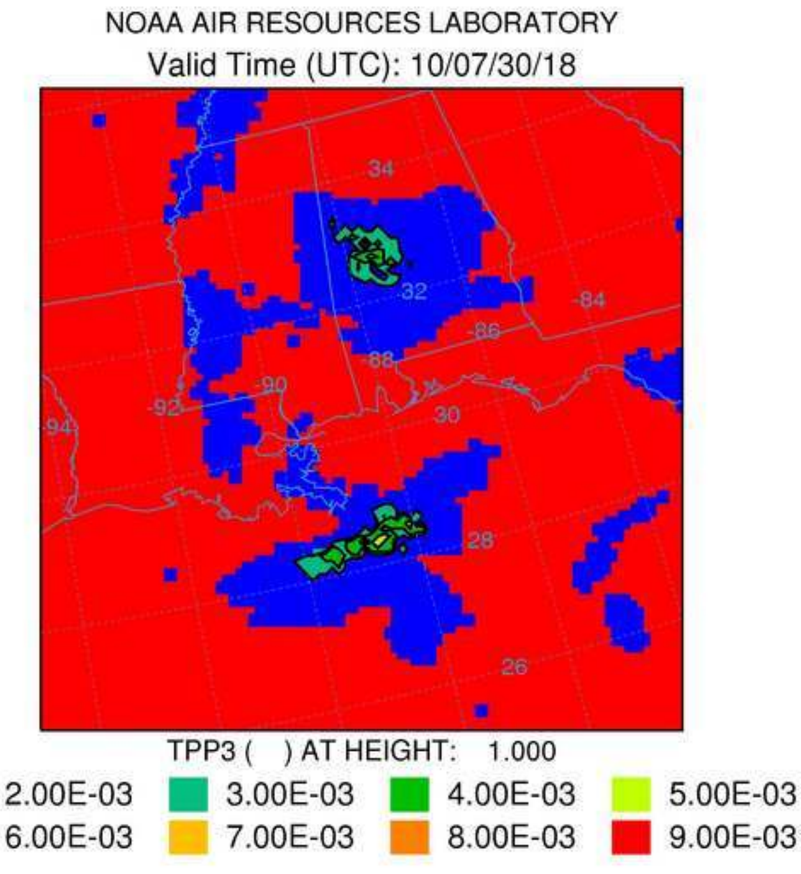


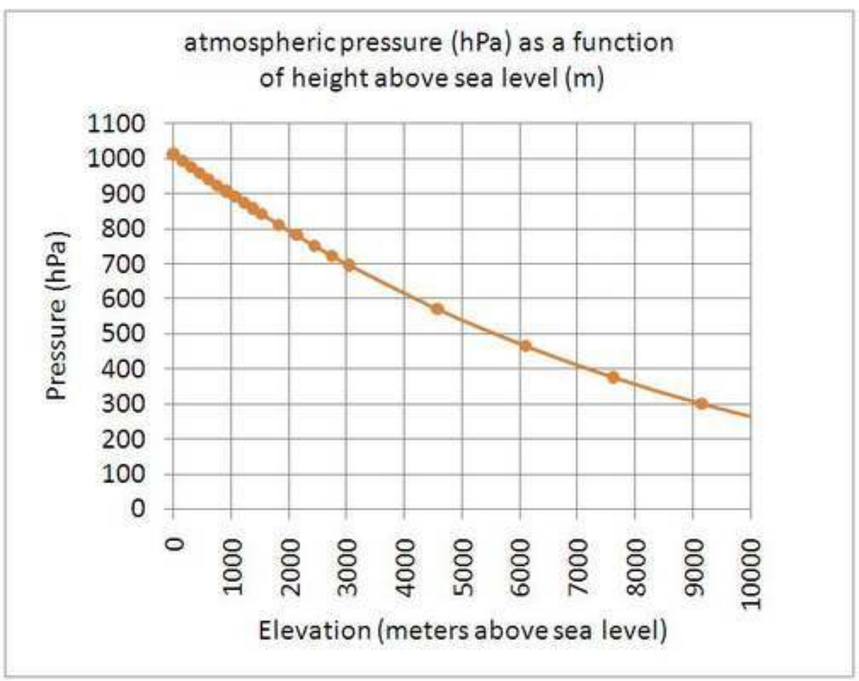
VECT (9) AT HEIGHT: 0.718

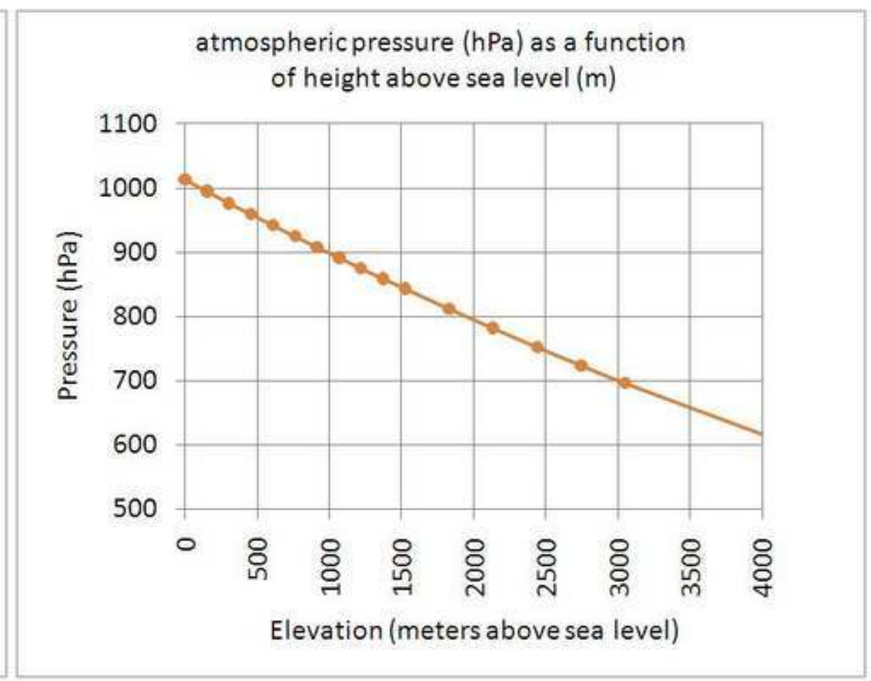
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters


FORECAST for 2010_07_30, local hour = 13
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
3000
2500
2000
1500
1000
500
0


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/18
PBLH ( ) AT HEIGHT: 1.000
250
500
750
1000
1250
1500
1750
2000


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/18
TPP3 ( ) AT HEIGHT: 1.000
2.00E-03
3.00E-03
4.00E-03
5.00E-03
6.00E-03
7.00E-03
8.00E-03
9.00E-03


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
0
500
1000
1500
2000
2500
3000
3500
4000

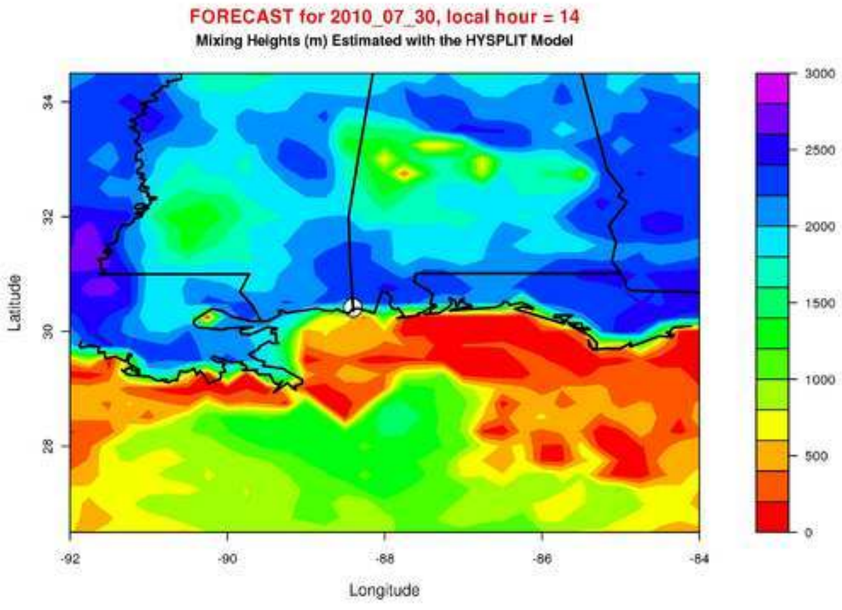
Meteorological Profile: hysplit.t00z.namsf

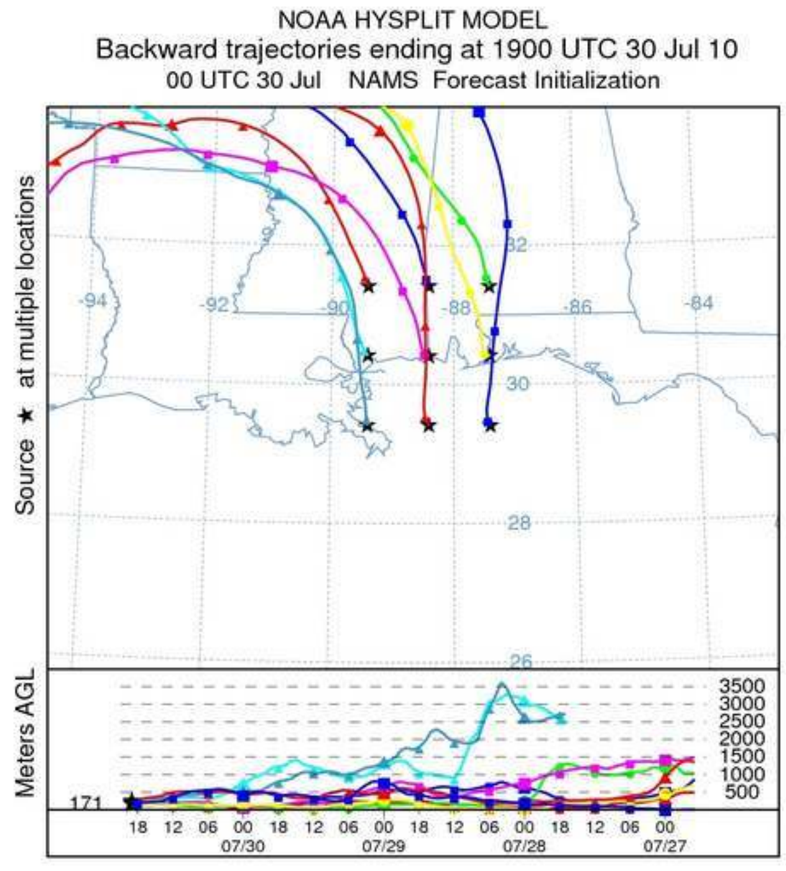
File start time : 10 7 30 0 0
File ending time: 10 8 1 0 0

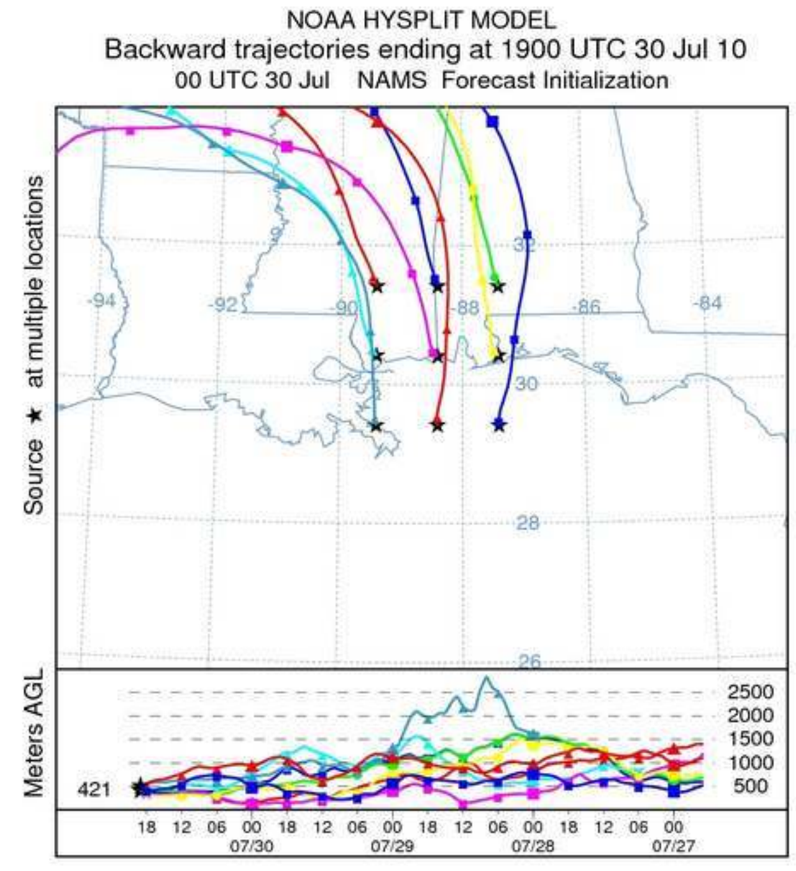
Profile Time: 10 7 30 18 0
Profile Location: 30.41 -88.40 (335,110)

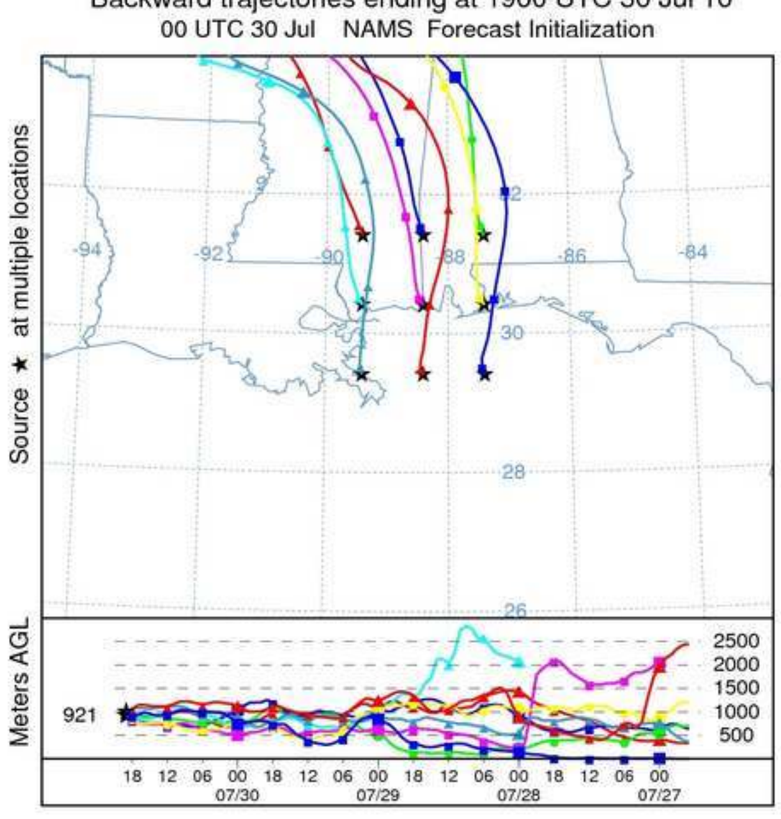
	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1014	0	1014	0	33.7	54.0	1.3	-0.22	1014	93.1	-4.1	1E-1	0	1009	1945

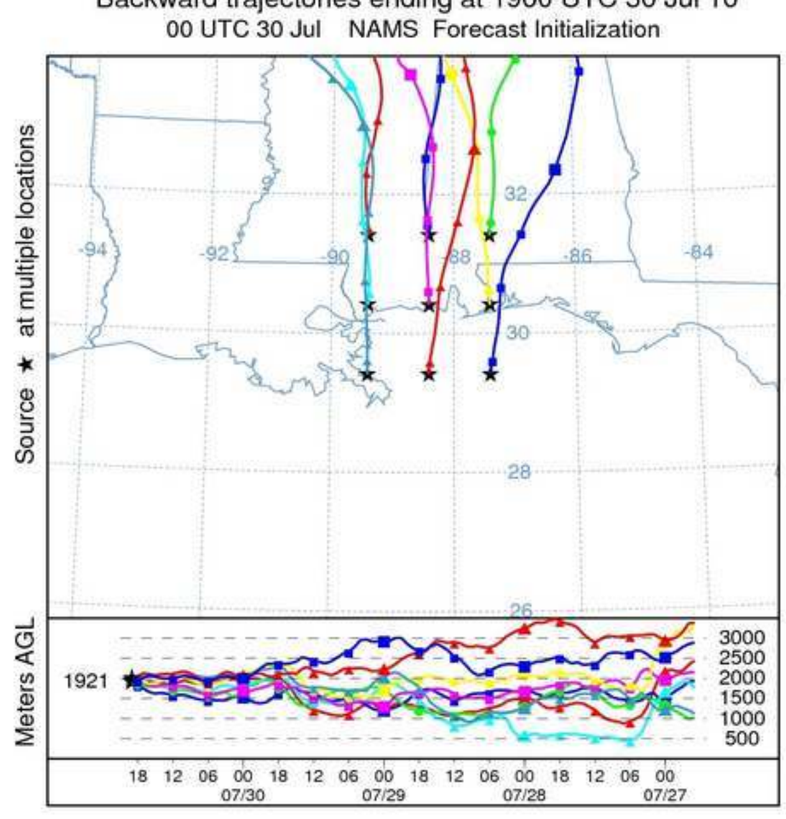
	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	UWND W->E	VWND S->N
1012	33.1	1.3	0.18	-2.6	15.9	0.53	305.3	1.3	-0.1
1007	32.7	1.4	0	-2.6	15.8	0.65	305.3	1.4	-0.3
1002	32.3	1.3	-0.27	-6.0	15.8	0.78	305.3	1.2	-0.6
997	31.9	1.6	-0.41	-5.3	15.7	0.90	305.3	1.5	-0.8
992	31.4	1.6	-0.52	-7.9	15.5	0.90	305.3	1.4	-0.9
987	31.0	1.8	-0.78	-7.9	15.7	1.0	305.3	1.5	-1.2
982	30.5	1.8	-1.0	-10.6	15.6	1.0	305.2	1.5	-1.4
976	29.9	1.7	-1.2	-10.9	15.6	0.90	305.2	1.4	-1.6
971	29.6	1.5	-1.3	-12.3	15.7	1.2	305.3	1.2	-1.7
965	29.1	1.9	-1.5	-9.6	15.6	1.2	305.3	1.5	-1.9
959	28.5	2.0	-1.8	-10.1	15.5	1.2	305.3	1.5	-2.2
953	27.9	1.8	-2.1	-10.7	15.5	1.2	305.3	1.3	-2.5
947	27.3	2.1	-2.2	-13.1	15.5	1.3	305.2	1.5	-2.6
940	26.6	1.9	-2.4	-13.3	15.5	1.3	305.2	1.2	-2.8
933	25.9	1.9	-2.7	-13.0	15.5	1.2	305.1	1.2	-3.1
925	25.1	2.0	-2.8	-12.5	15.5	1.2	305.0	1.3	-3.2
917	24.2	2.2	-3.1	-12.3	15.5	1.2	304.9	1.4	-3.6
895	21.8	2.4	-3.4	-10.5	15.6	1.2	304.5	1.5	-3.9
868	19.5	1.2	-4.7	-8.0	13.9	0.95	304.7	0.1	-4.8
837	17.5	1.6	-5.9	-3.5	11.5	0.20	305.8	0.1	-6.1
803	15.3	1.5	-6.3	3.5	10.7	0.20	307.1	0.0	-6.5
767	13.0	1.2	-6.4	0	9.5	0.20	308.7	-0.4	-6.5
728	10.3	-0.33	-6.6	2.0	8.3	0.20	310.4	-1.9	-6.3
687	7.1	-2.0	-6.8	2.5	6.9	0.20	312.0	-3.6	-6.1
643	4.3	-3.4	-5.7	1.8	5.2	0.20	314.8	-4.7	-4.7
597	1.1	-4.6	-4.3	5.0	3.6	0.20	317.8	-5.5	-3.0
549	-1.7	-2.7	-4.7	7.8	2.5	0.20	322.2	-3.7	-4.0
501	-5.2	-0.50	-4.9	8.1	1.3	0.20	326.5	-1.7	-4.7
452	-10.6	-3.6	-2.4	8.9	1.1	0.20	329.6	-4.0	-1.5
402	-16.6	-3.5	-3.7	7.1	0.68	0.20	333.0	-4.3	-2.7
352	-23.9	0	-4.1	7.0	0.35	0.21	335.9	-1.0	-4.0
304	-32.3	-3.4	-5.5	5.6	0.18	0.20	338.6	-4.6	-4.6
259	-41.3	-4.4	-2.2	2.3	0.10	0.20	341.2	-4.8	-1.1
220	-49.9	-1.2	1.5	3.5	1E-1	0.20	344.2	-0.8	1.7
183	-61.1	-2.0	1.5	0	3E-2	0.20	344.9	-1.6	1.9
138	-72.8	-6.3	-4.3	-0.28	1E-2	0.20	353.1	-7.2	-2.7
88	-65.9	-13.0	-7.4	-0.53	1E-2	0.20	415.2	-14.4	-4.1
63	-58.8	-13.8	-1.8	0	1E-2	0.20	473.0	-13.8	1.6
38	-47.4	-26.8	-3.2	-1E-1	3E-2	0.20	576.4	-26.7	3.3

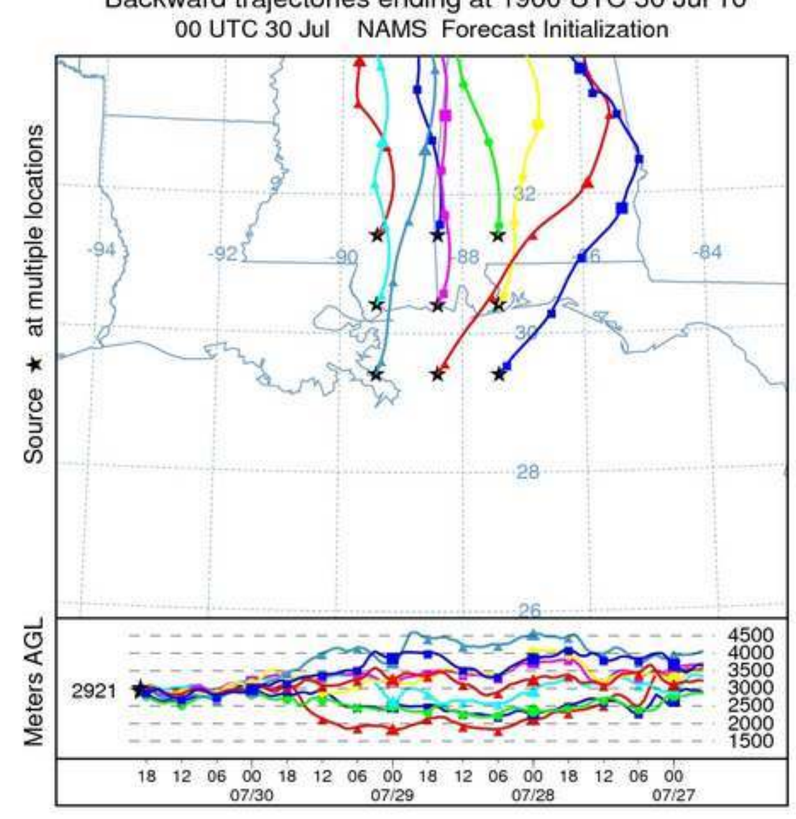

FORECAST for 2010_07_30, local hour = 14
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0


NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
07/30
07/29
07/28
07/27

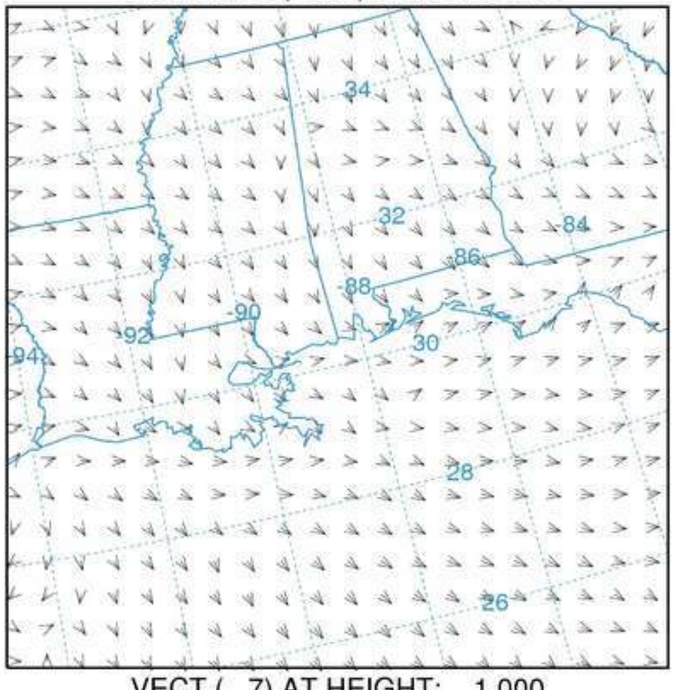

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
07/30
07/29
07/28
07/27

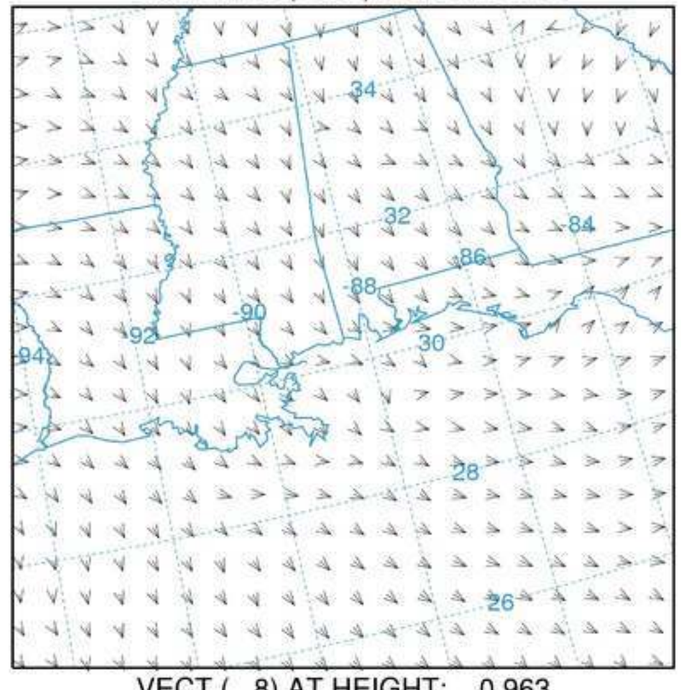
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/19



VECT (7) AT HEIGHT: 1.000

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

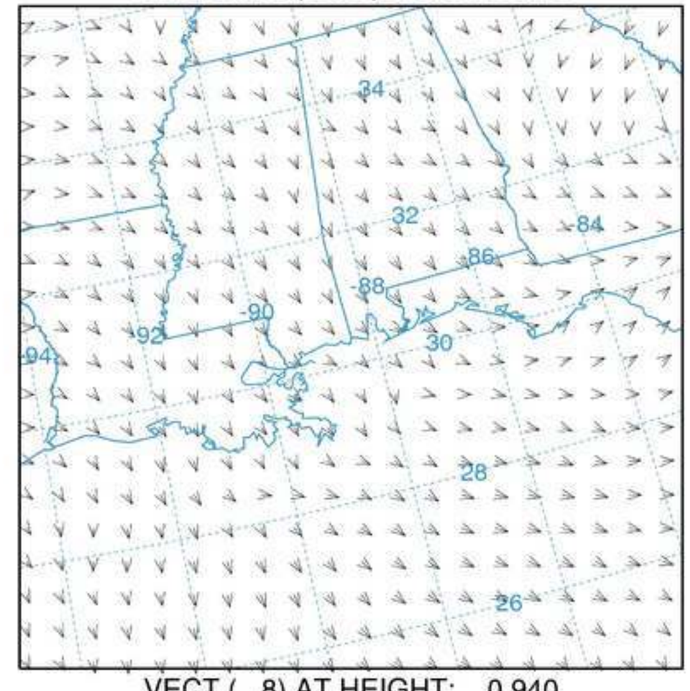
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/19



VECT (8) AT HEIGHT: 0.963

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

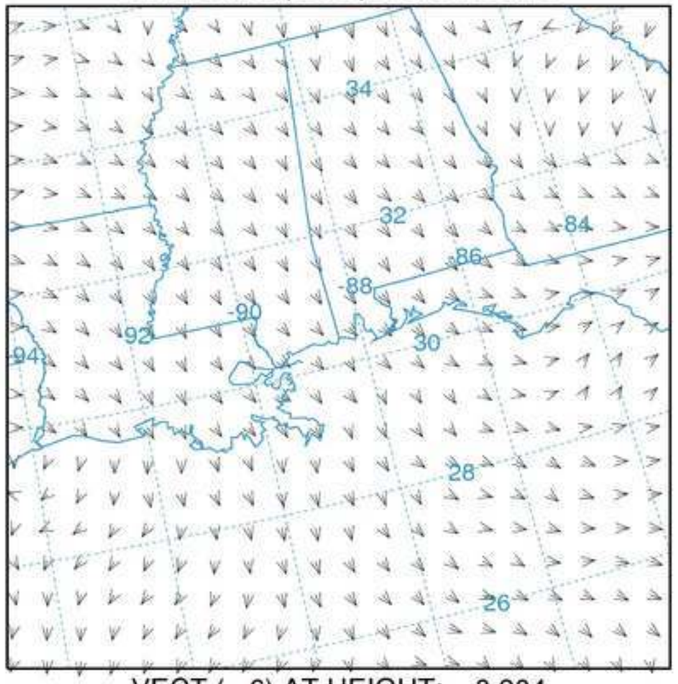
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/19



VECT (8) AT HEIGHT: 0.940

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

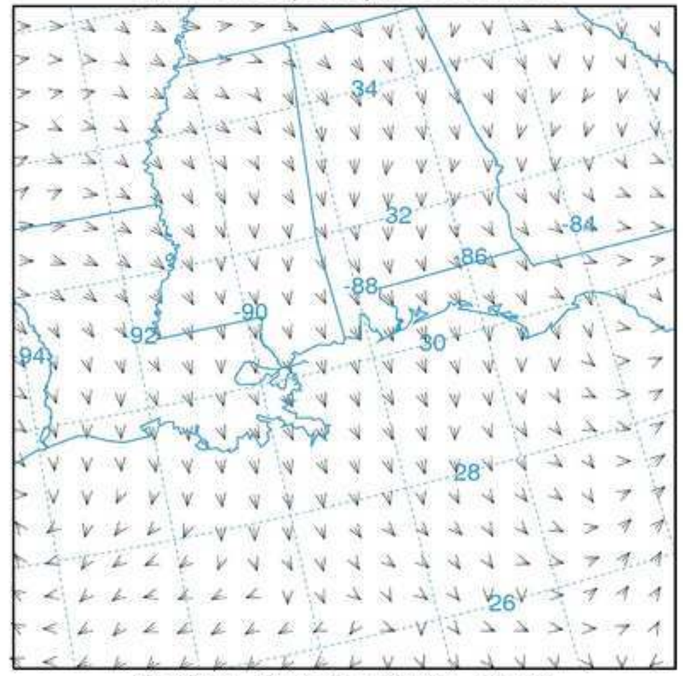
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/19



VECT (6) AT HEIGHT: 0.904

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

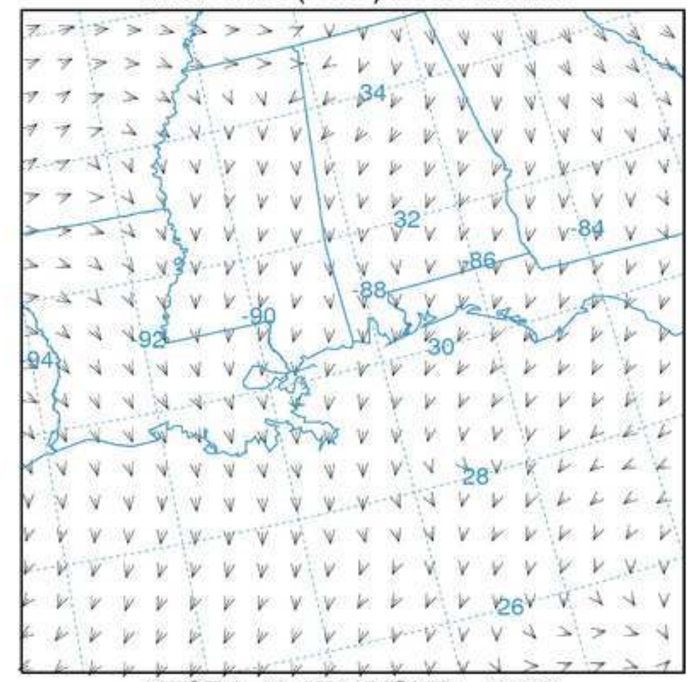
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/19



VECT (7) AT HEIGHT: 0.826

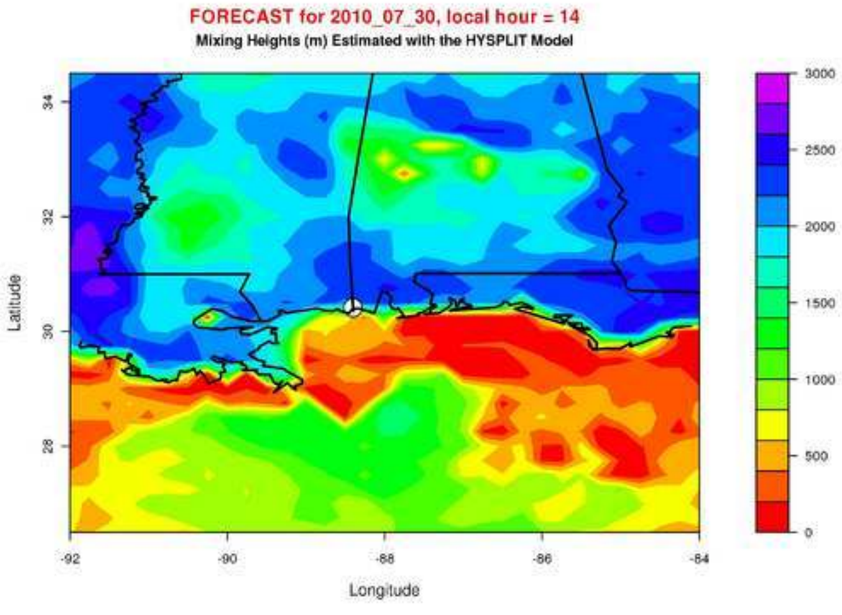
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

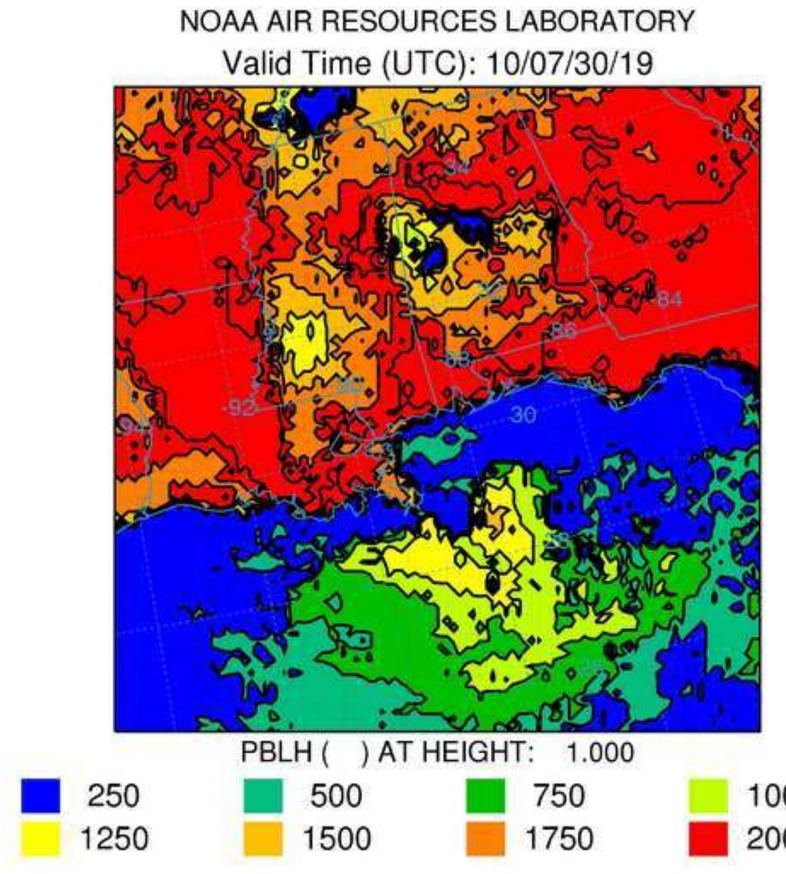
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/19

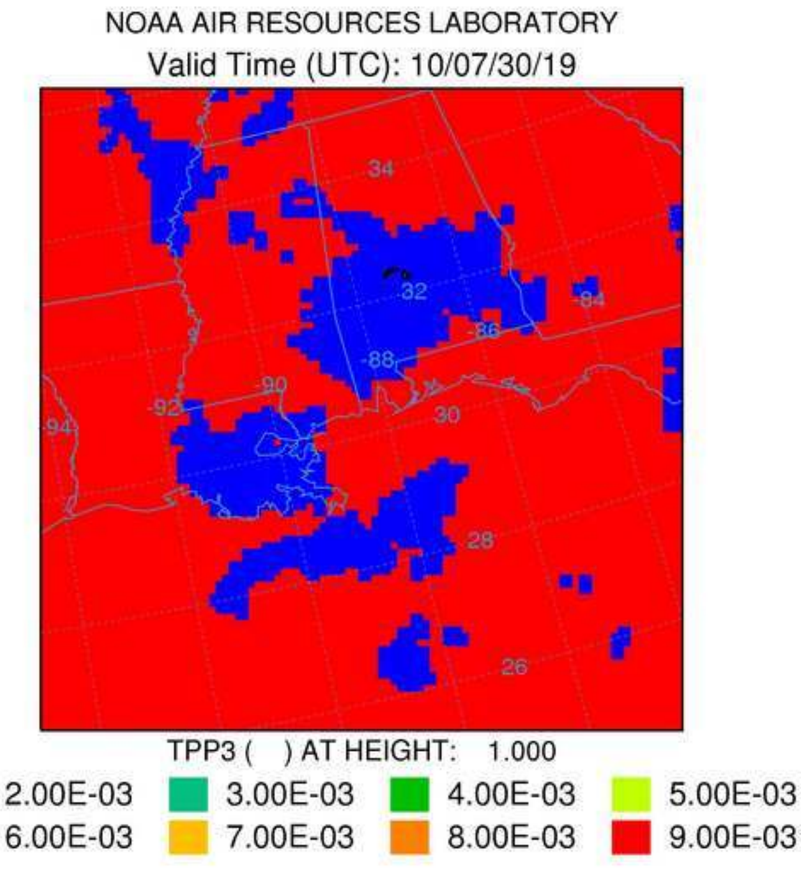


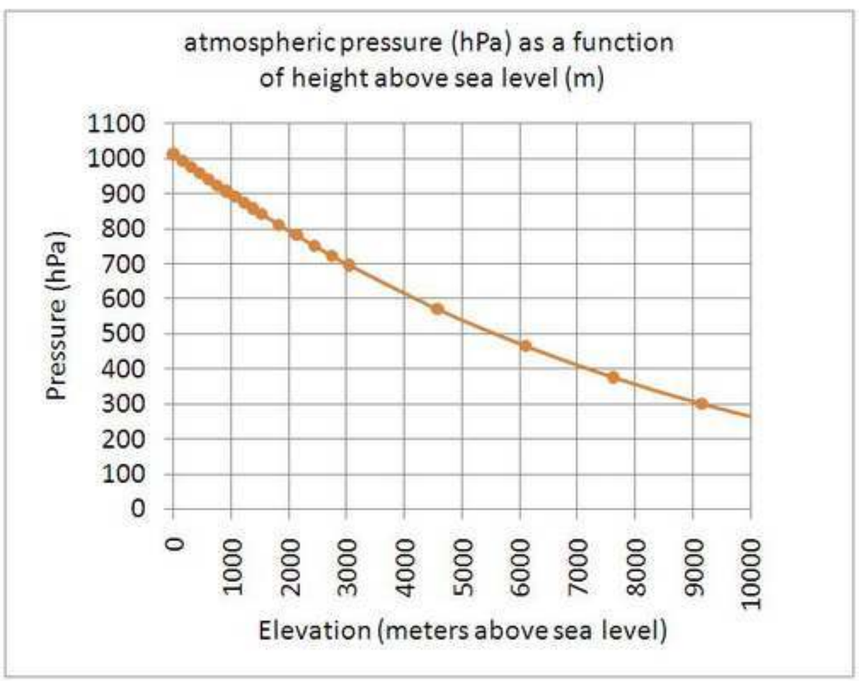
VECT (9) AT HEIGHT: 0.718

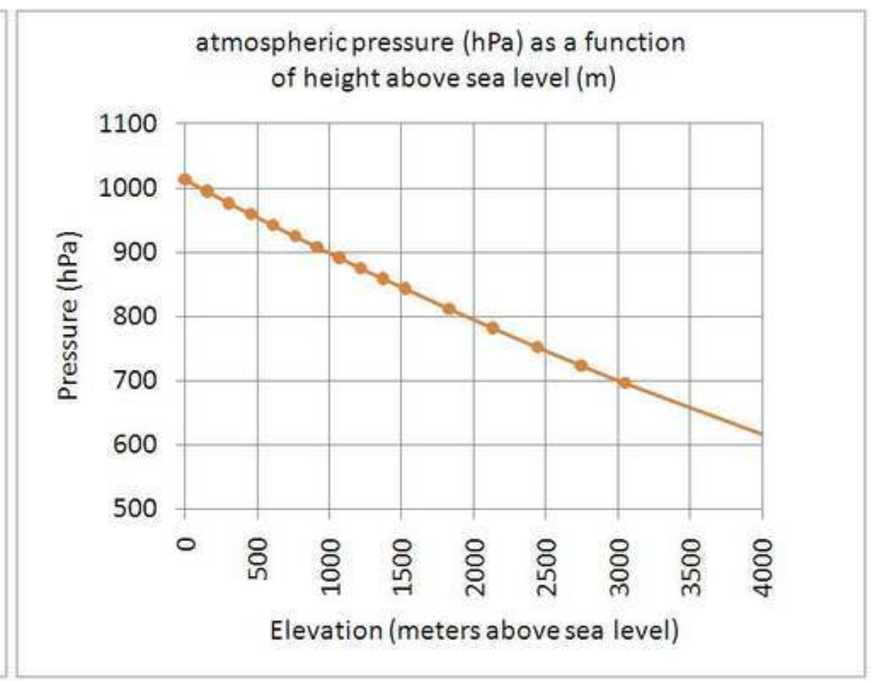
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters


FORECAST for 2010_07_30, local hour = 14
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
3000
2500
2000
1500
1000
500
0


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/19
PBLH ( ) AT HEIGHT: 1.000
250
500
750
1000
1250
1500
1750
2000


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/19
TPP3 ( ) AT HEIGHT: 1.000
2.00E-03
3.00E-03
4.00E-03
5.00E-03
6.00E-03
7.00E-03
8.00E-03
9.00E-03


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
0
500
1000
1500
2000
2500
3000
3500
4000

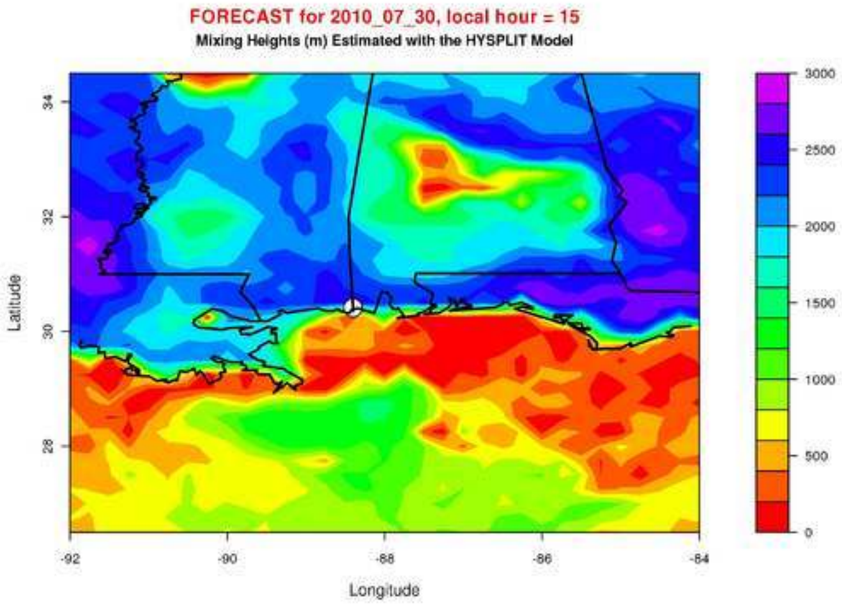
Meteorological Profile: hysplit.t00z.namsf

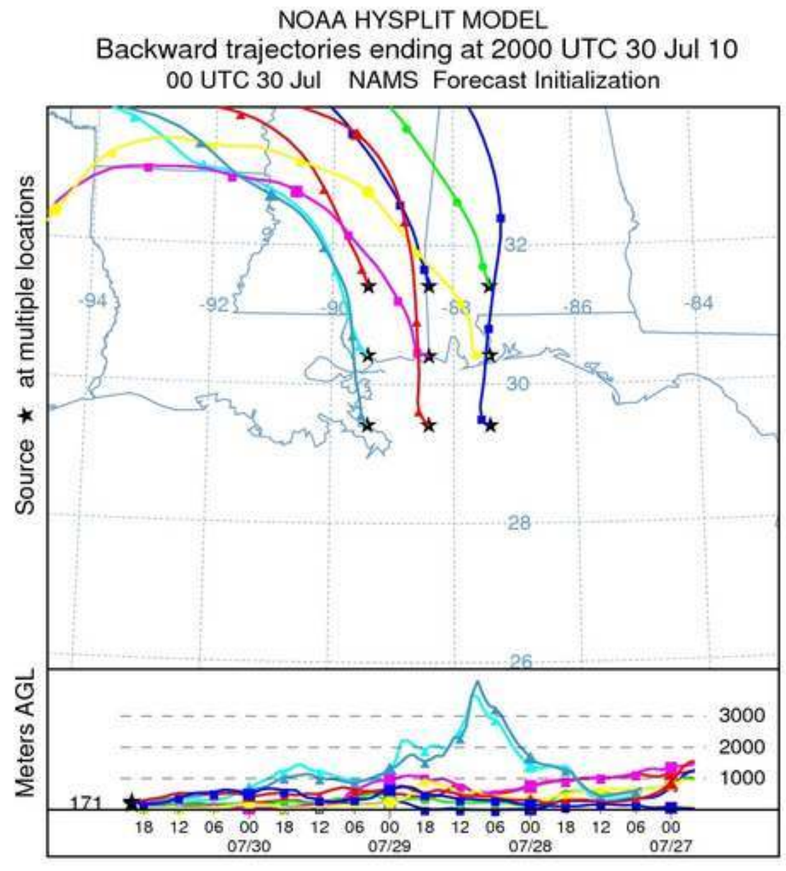
File start time : 10 7 30 0 0
File ending time: 10 8 1 0 0

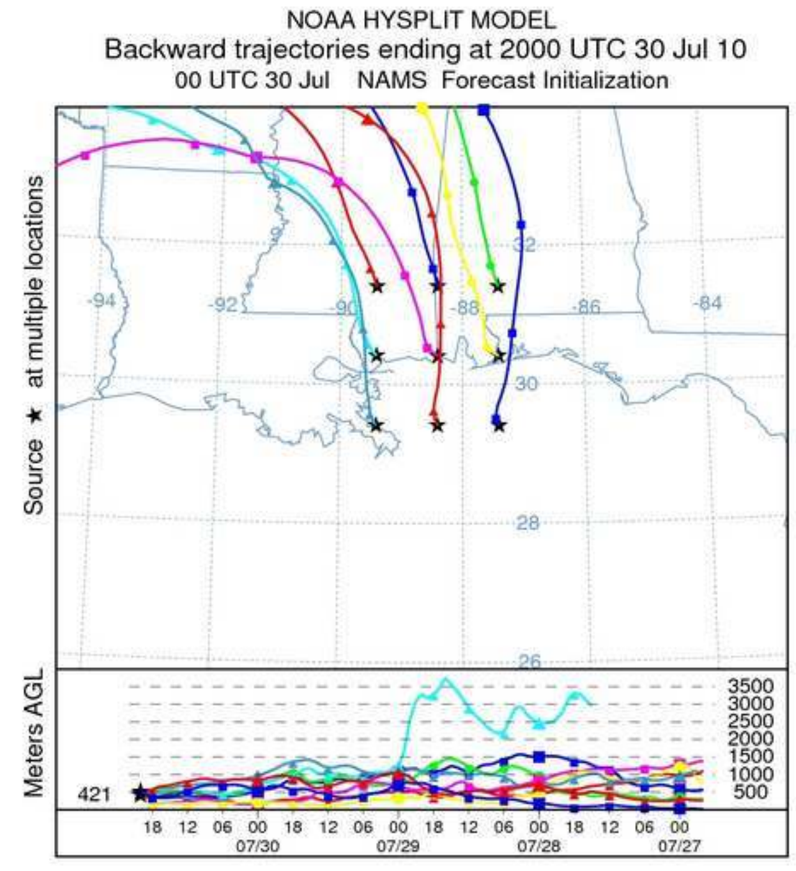
Profile Time: 10 7 30 19 0
Profile Location: 30.41 -88.40 (335,110)

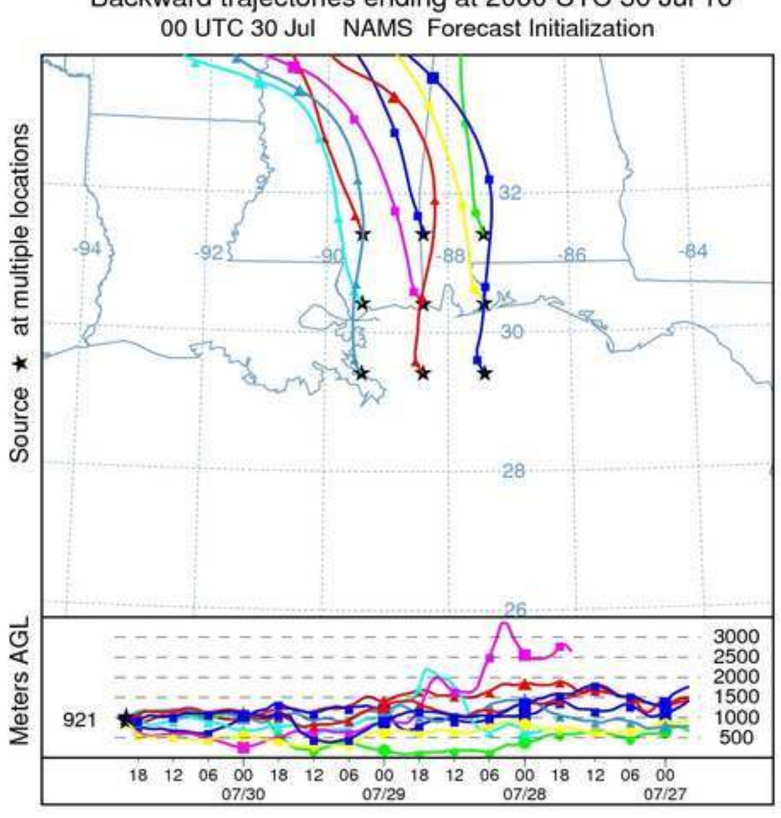
	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1014	0	1013	0	33.8	57.0	2.3	1.1	1014	107	-4.7	1E-1	0	521	2304

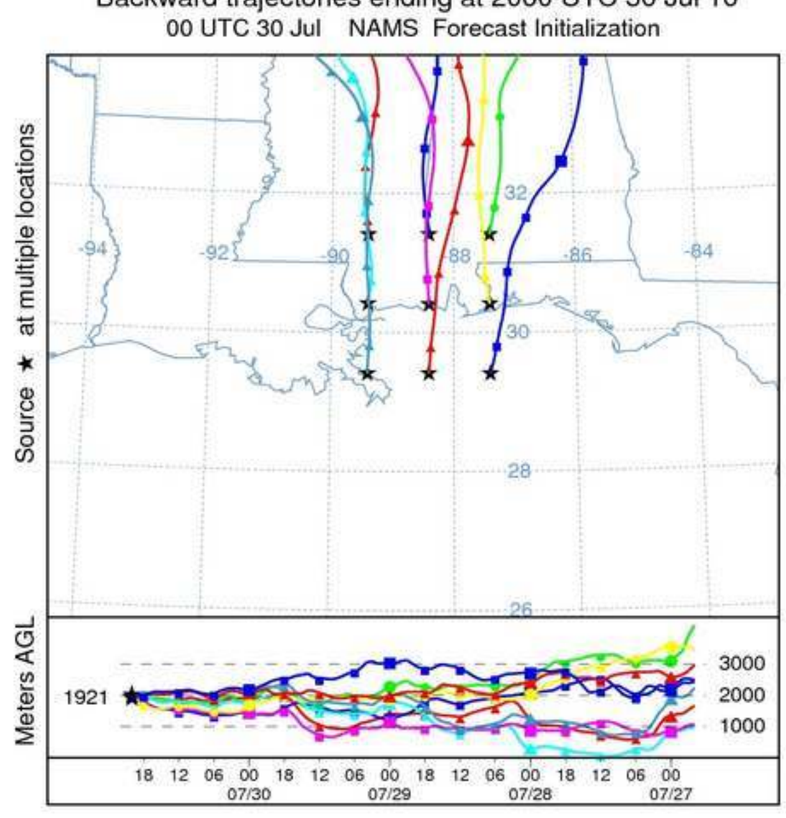
	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	UWND W->E	VWND S->N
1012	33.6	2.6	1.7	-5.6	16.2	0.62	305.7	2.9	1.1
1007	33.2	2.7	1.4	-5.8	16.1	0.78	305.8	2.9	0.7
1002	32.8	3.0	1.3	-9.5	16.0	0.90	305.7	3.2	0.5
997	32.4	2.9	1.1	-9.2	16.0	1.0	305.8	3.1	0.4
992	31.9	2.8	0.80	-12.5	15.8	1.2	305.8	2.9	0.1
987	31.4	2.9	0.20	-11.6	15.9	1.2	305.7	2.8	-0.5
982	31.0	2.9	0.18	-13.8	15.8	1.4	305.8	2.8	-0.5
977	30.4	2.8	-0.13	-14.6	15.7	1.4	305.6	2.7	-0.8
971	29.9	3.3	-0.86	-18.0	15.6	1.6	305.6	3.0	-1.6
966	29.4	3.3	-1.0	-17.7	15.6	1.6	305.6	3.0	-1.8
960	28.8	3.1	-1.3	-17.8	15.6	1.6	305.6	2.7	-2.0
954	28.3	3.4	-1.5	-17.8	15.5	1.8	305.6	2.9	-2.3
947	27.7	3.1	-2.1	-17.1	15.4	1.8	305.6	2.5	-2.8
940	27.1	3.2	-2.4	-16.9	15.5	1.8	305.6	2.6	-3.1
933	26.3	3.3	-2.8	-16.7	15.5	1.9	305.5	2.6	-3.5
926	25.6	3.1	-3.0	-15.8	15.4	1.9	305.4	2.3	-3.6
917	24.6	3.2	-3.1	-13.0	15.4	1.9	305.3	2.4	-3.8
895	22.3	3.3	-3.4	-9.8	15.3	2.1	304.9	2.4	-4.1
869	19.5	3.3	-4.0	-3.5	14.9	1.9	304.7	2.3	-4.7
838	17.2	2.3	-6.4	3.5	12.6	1.5	305.4	0.7	-6.7
804	15.1	1.9	-7.2	11.1	11.2	0.20	306.9	0.1	-7.4
767	12.9	1.3	-6.7	11.7	9.8	0.20	308.5	-0.4	-6.9
729	10.4	-0.89	-6.4	9.3	8.5	0.20	310.4	-2.4	-6.0
687	7.4	-3.0	-6.1	8.0	7.0	0.20	312.3	-4.4	-5.2
644	4.8	-4.5	-4.4	8.2	5.3	0.20	315.3	-5.4	-3.2
597	1.3	-5.6	-3.0	0	3.8	0.20	318.1	-6.2	-1.6
550	-0.74	-3.7	-4.1	-2.6	4.0	0.20	323.3	-4.6	-3.1
501	-5.1	-1.5	-4.5	-5.6	1.4	0.20	326.7	-2.6	-4.0
452	-10.6	-4.3	-2.0	-8.7	1.1	0.20	329.6	-4.6	-1.0
402	-16.6	-3.6	-3.7	-7.0	0.68	0.20	333.0	-4.4	-2.7
353	-23.9	0.83	-5.6	-7.7	0.34	0.21	335.9	-0.5	-5.7
304	-32.4	-2.5	-6.7	-8.8	0.18	0.20	338.4	-4.0	-5.9
259	-41.4	-2.9	-3.2	-8.1	0.10	0.20	341.0	-3.6	-2.4
220	-49.9	0.33	0	-3.5	1E-1	0.20	344.2	0.3	-0.1
183	-61.3	0	0.64	0	3E-2	0.20	344.6	0.2	0.6
138	-73.0	-7.5	-2.4	3.0	1E-2	0.20	352.8	-7.9	-0.5
88	-66.2	-13.4	-6.3	-0.68	1E-2	0.20	414.8	-14.5	-2.9
63	-58.1	-12.7	-2.6	0.61	1E-2	0.20	474.3	-12.9	0.6
38	-47.4	-25.7	-3.4	-1E-1	3E-2	0.20	576.3	-25.8	2.9

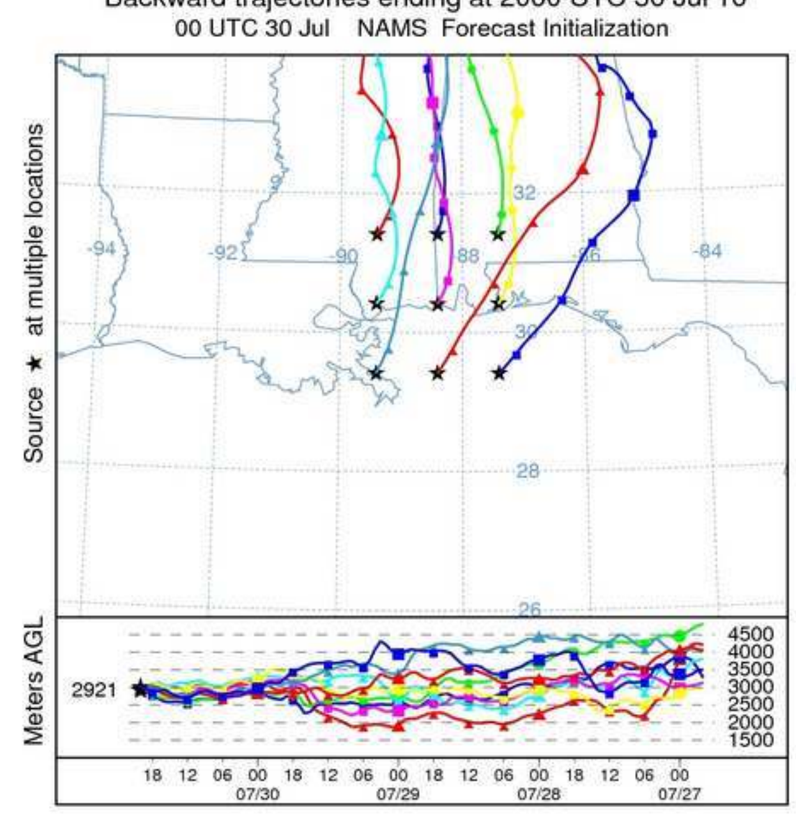

FORECAST for 2010_07_30, local hour = 15
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0


NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
3000
2000
1000
07/30
07/29
07/28
07/27

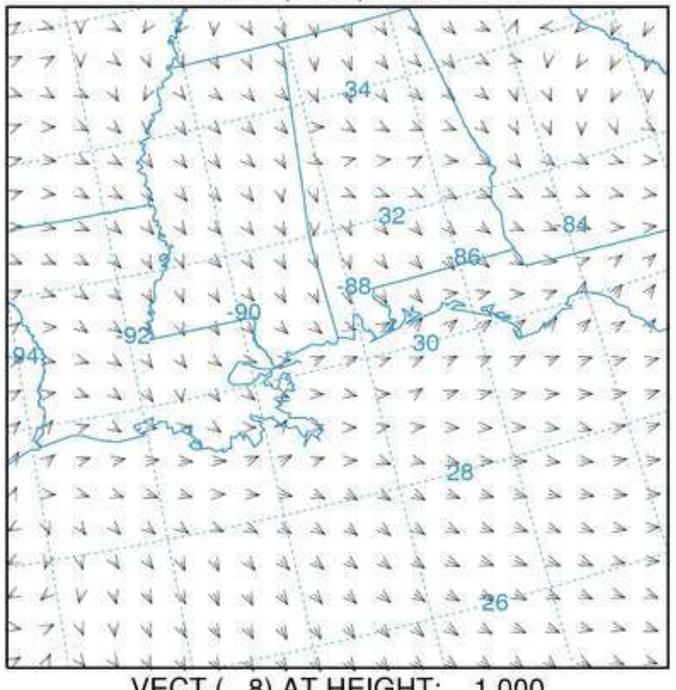

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
3500
3000
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3000
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2000
1000
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4500
4000
3500
3000
2500
2000
1500
07/30
07/29
07/28
07/27

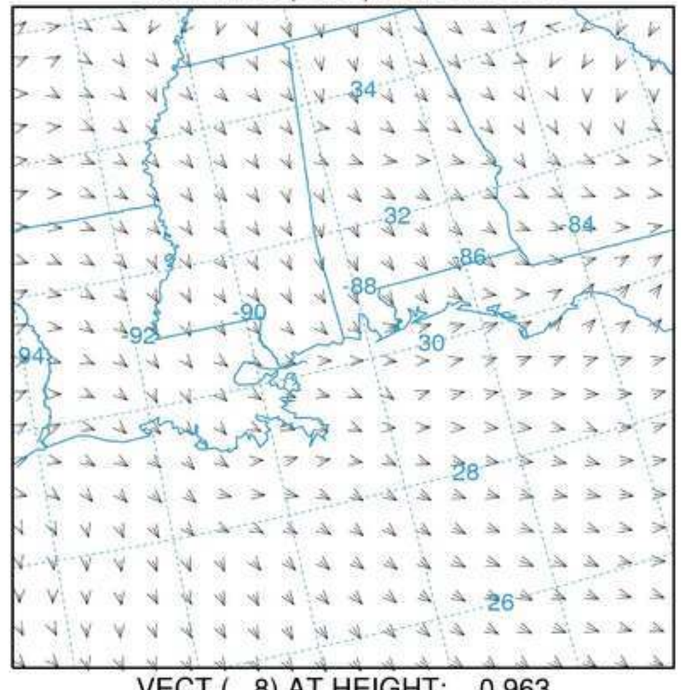
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/20



VECT (8) AT HEIGHT: 1.000

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

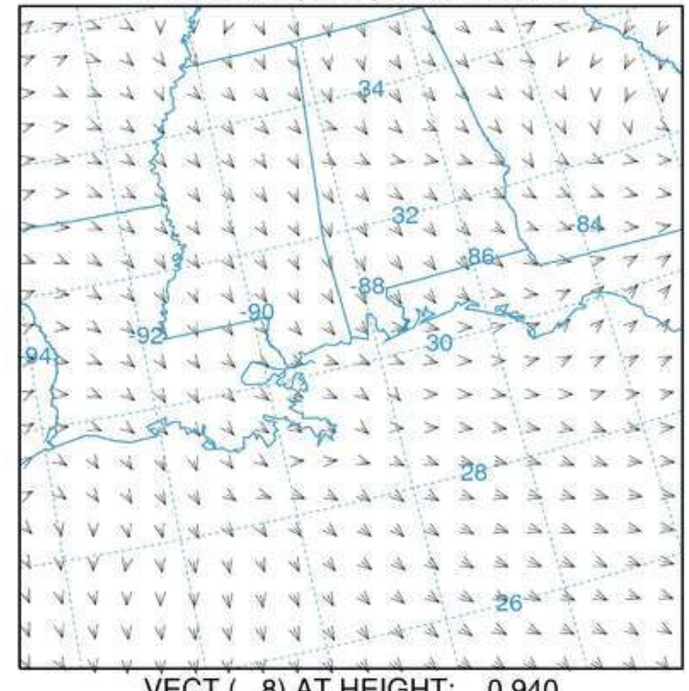
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/20



VECT (8) AT HEIGHT: 0.963

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

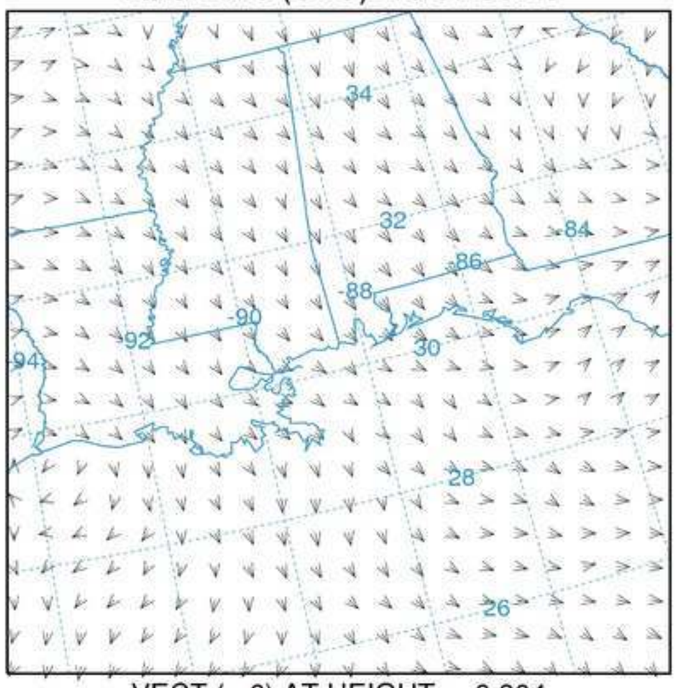
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/20



VECT (8) AT HEIGHT: 0.940

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

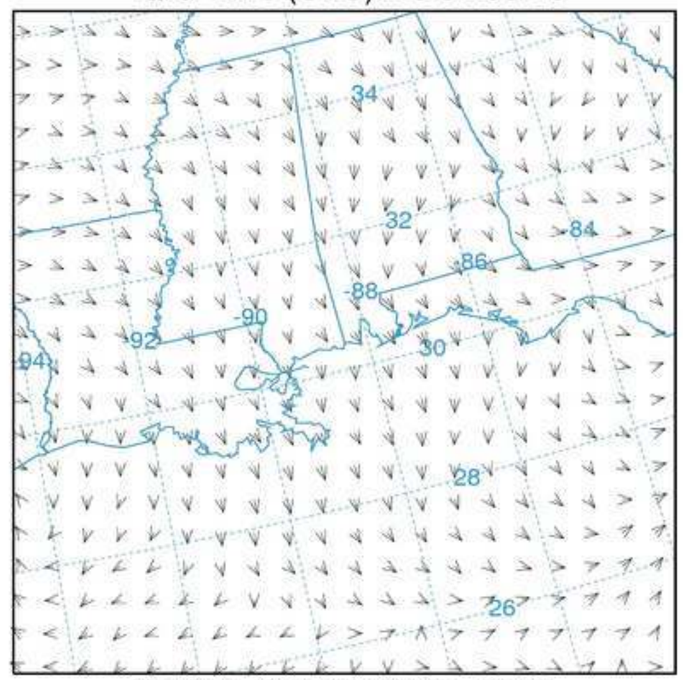
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/20



VECT (6) AT HEIGHT: 0.904

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

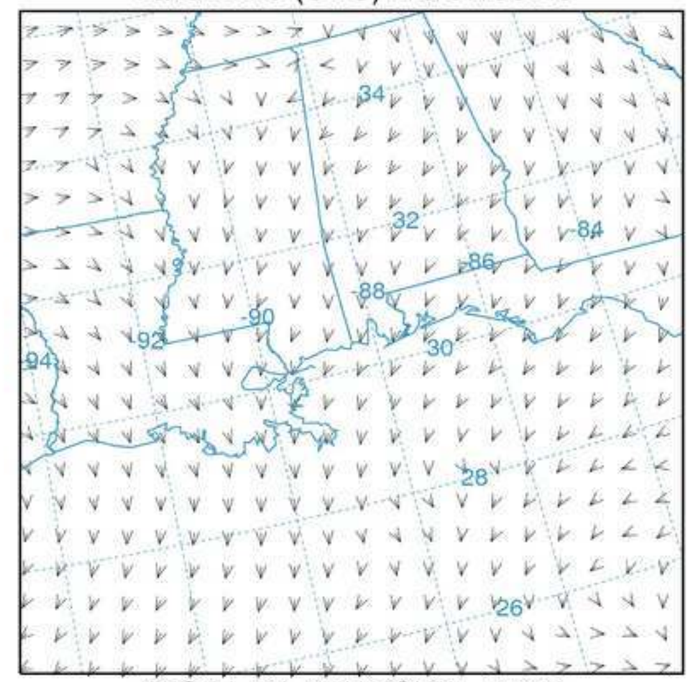
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/20



VECT (7) AT HEIGHT: 0.826

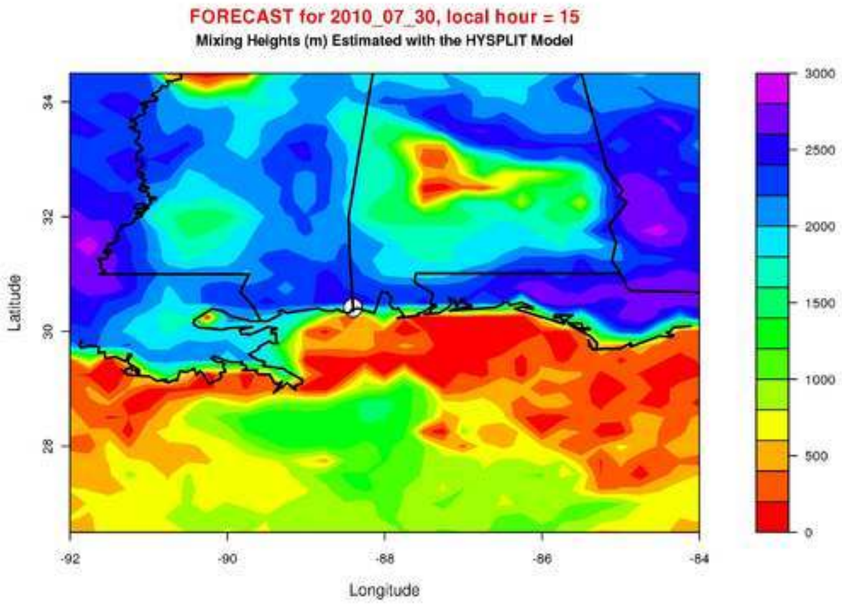
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

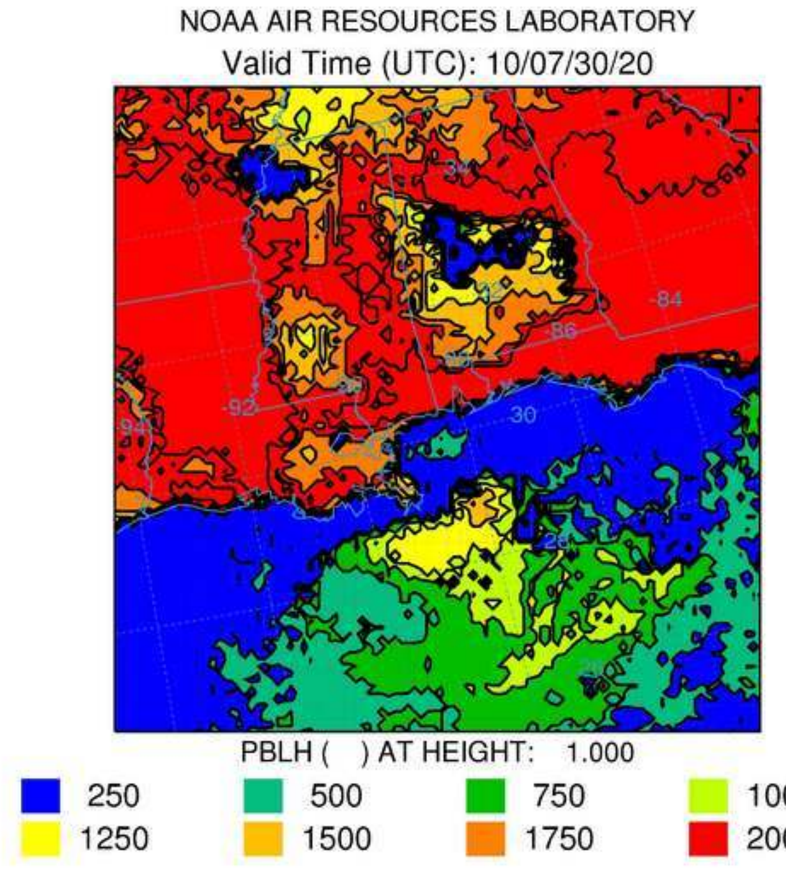
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/20

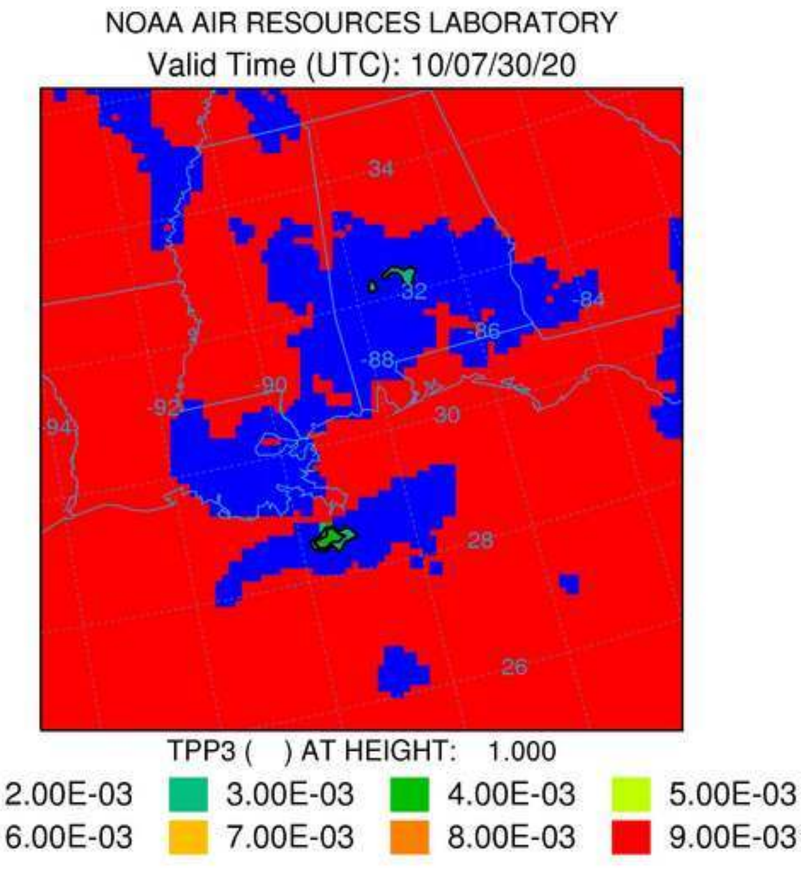


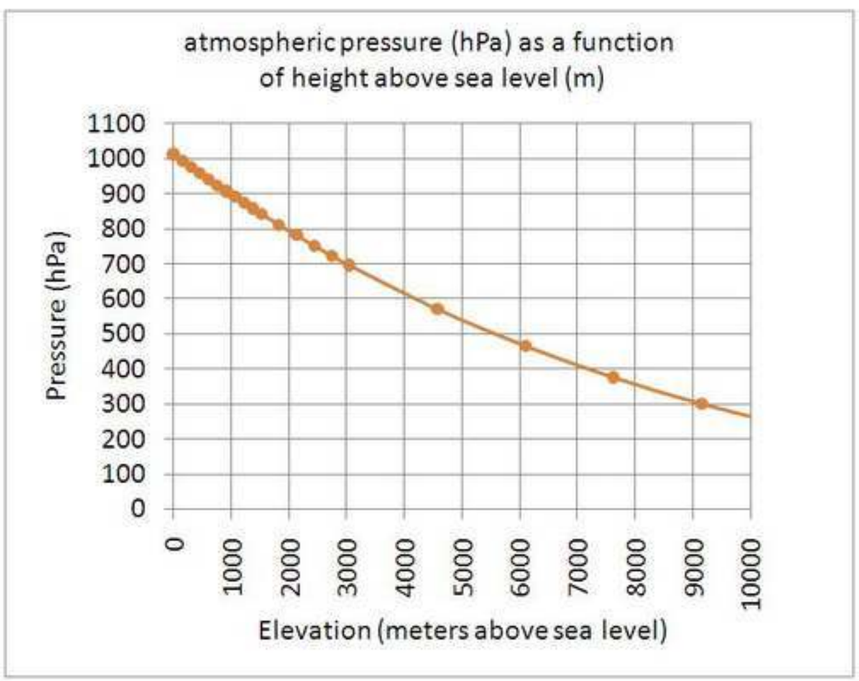
VECT (10) AT HEIGHT: 0.718

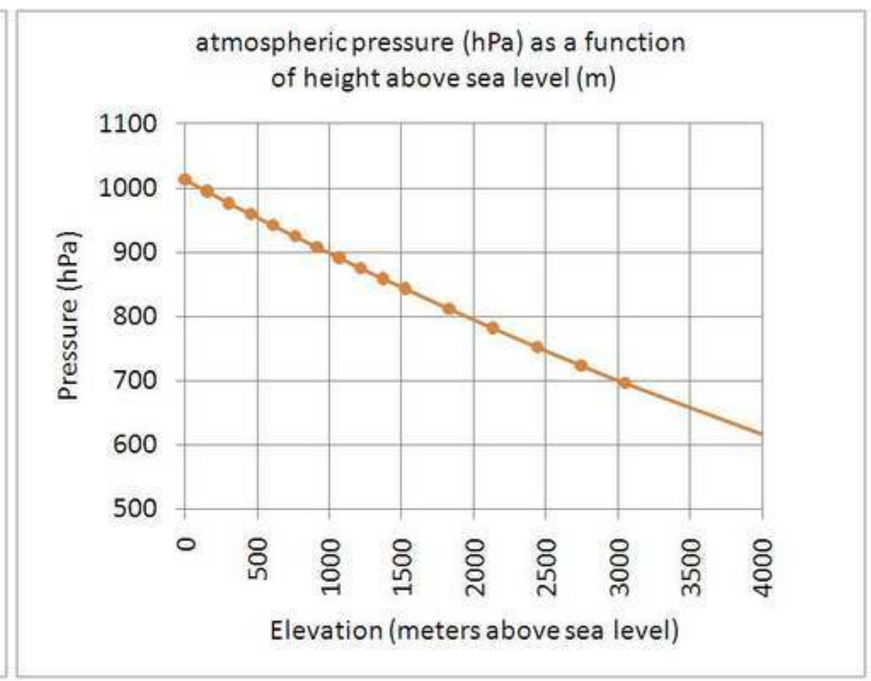
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters


FORECAST for 2010_07_30, local hour = 15
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
3000
2500
2000
1500
1000
500
0


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/20
PBLH ( ) AT HEIGHT: 1.000
250
500
750
1000
1250
1500
1750
2000


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/20
TPP3 ( ) AT HEIGHT: 1.000
2.00E-03
3.00E-03
4.00E-03
5.00E-03
6.00E-03
7.00E-03
8.00E-03
9.00E-03


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
0
500
1000
1500
2000
2500
3000
3500
4000

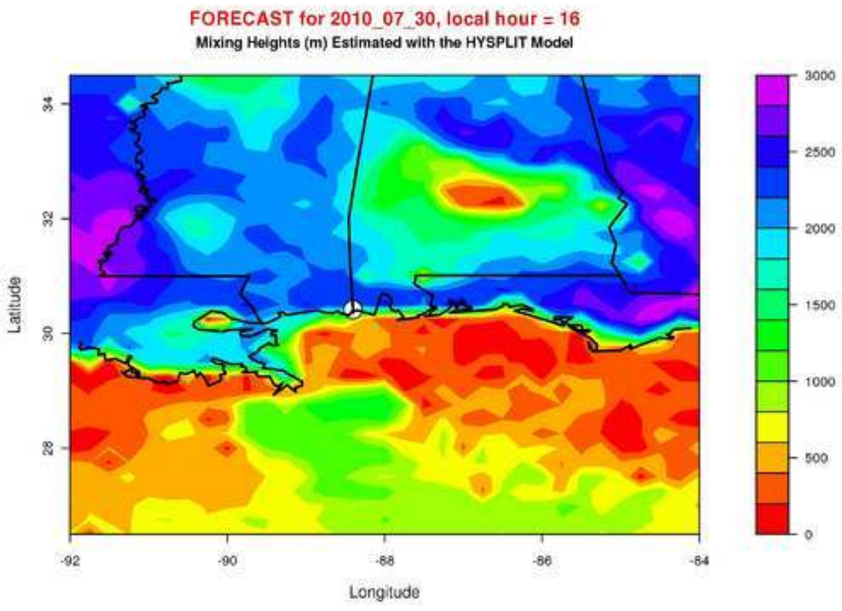
Meteorological Profile: hysplit.t00z.namsf

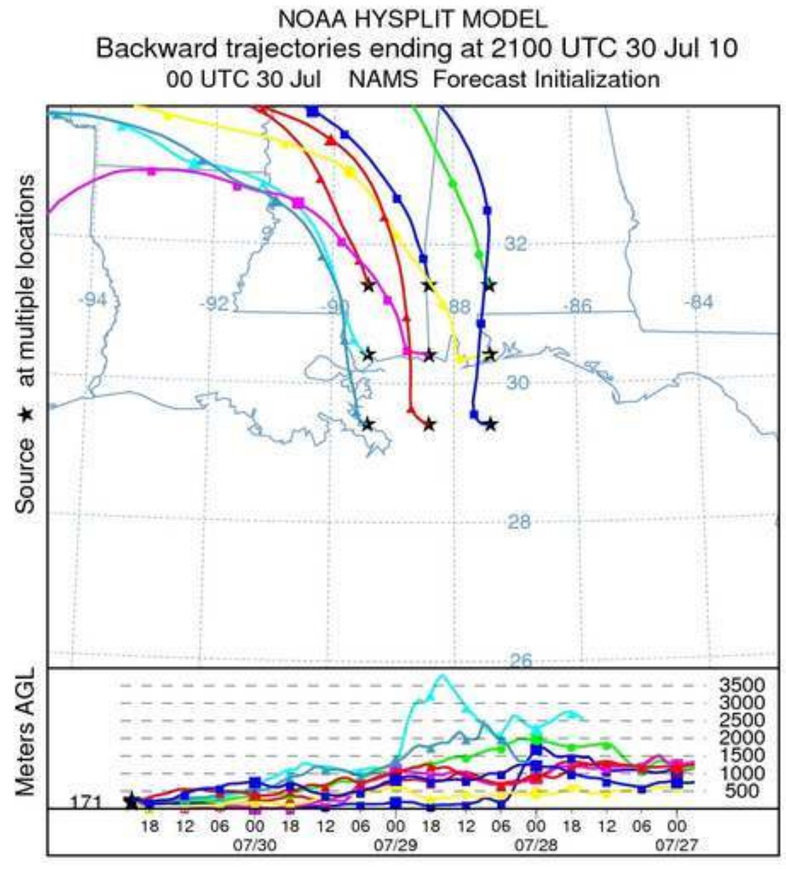
File start time : 10 7 30 0 0
File ending time: 10 8 1 0 0

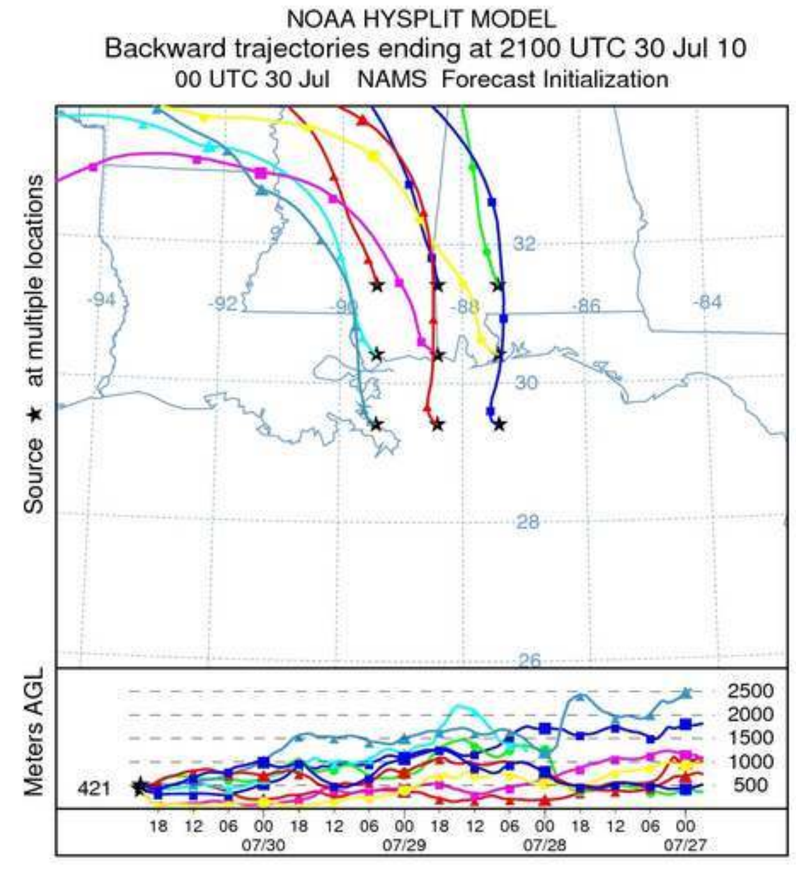
Profile Time: 10 7 30 20 0
Profile Location: 30.41 -88.40 (335,110)

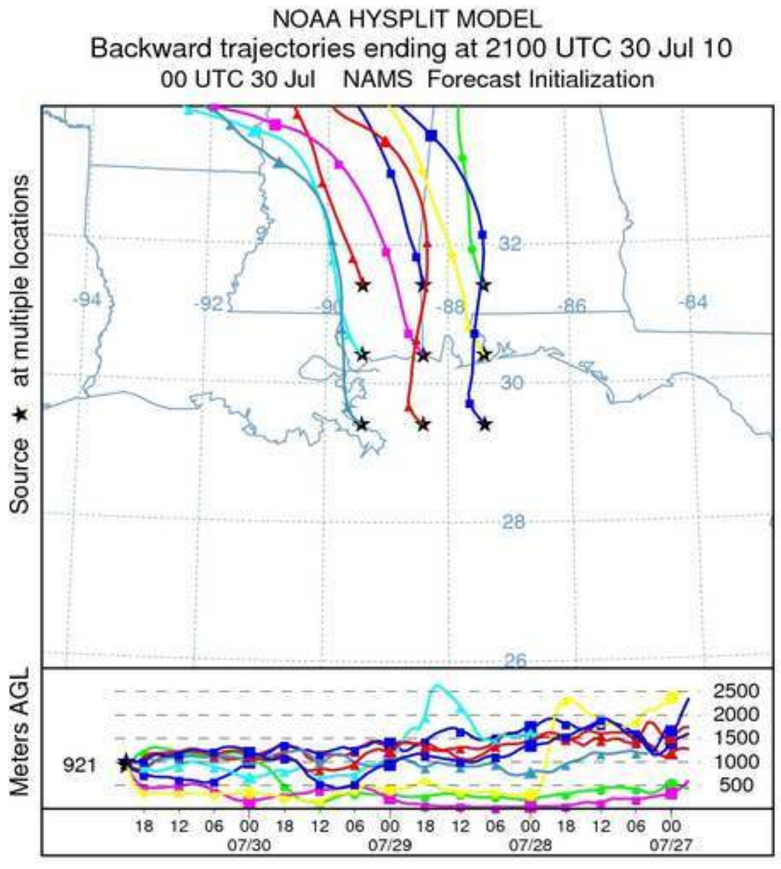
	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1013	0	1013	1E-3	33.7	62.0	2.8	1.9	1013	88.0	-4.5	1E-1	0	298	2554

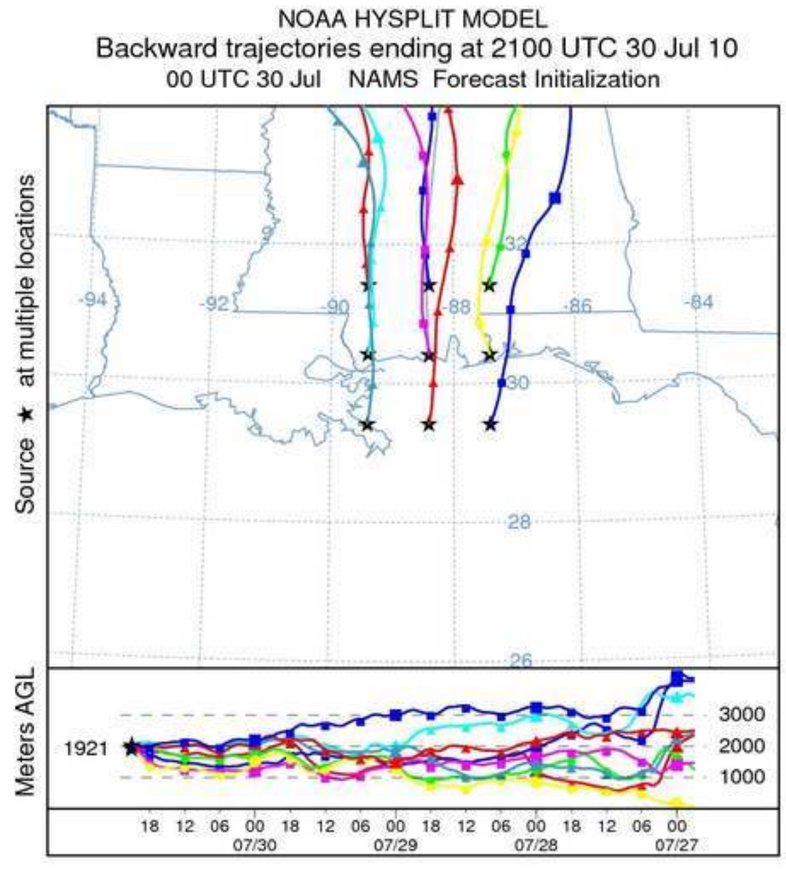
	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	UWND W->E	VWND S->N
1011	33.6	3.3	2.9	-3.5	16.7	0.56	305.8	3.9	2.0
1006	33.4	3.4	2.8	-7.0	16.6	0.80	306.1	3.9	1.9
1001	33.0	3.7	2.7	-10.1	16.6	0.80	306.1	4.3	1.7
996	32.4	3.6	2.3	-13.4	16.7	1.1	305.9	4.1	1.4
991	32.2	3.6	1.7	-16.8	16.0	1.1	306.2	3.9	0.8
986	31.7	3.4	0.87	-19.8	15.7	1.3	306.1	3.5	0.0
981	31.3	3.4	0.50	-21.9	15.8	1.3	306.2	3.4	-0.3
975	30.9	3.3	0.40	-24.9	15.6	1.6	306.2	3.3	-0.4
970	30.4	3.4	-0.50	-24.8	15.6	1.6	306.2	3.2	-1.3
964	29.9	3.5	-0.94	-27.7	15.5	1.6	306.2	3.2	-1.8
958	29.4	3.7	-1.2	-28.0	15.5	1.7	306.3	3.3	-2.1
952	28.8	3.3	-1.7	-31.0	15.4	1.7	306.3	2.8	-2.5
946	28.1	3.4	-2.1	-29.9	15.4	1.7	306.1	2.8	-2.8
939	27.5	3.5	-2.3	-31.6	15.4	1.9	306.1	2.8	-3.1
932	26.8	3.5	-2.8	-29.9	15.4	1.8	306.0	2.7	-3.6
924	26.0	3.4	-3.1	-30.7	15.3	1.9	305.9	2.6	-3.8
916	25.1	3.8	-3.3	-27.6	15.3	1.9	305.9	2.9	-4.1
894	22.8	3.4	-3.5	-25.0	15.1	2.1	305.5	2.4	-4.2
867	20.0	3.6	-3.7	-24.9	15.1	2.1	305.3	2.6	-4.5
837	16.9	3.2	-5.6	-16.4	13.9	1.7	305.2	1.8	-6.2
803	14.9	1.5	-7.5	-9.4	11.8	0.20	306.8	-0.4	-7.6
766	12.8	0.80	-6.5	-7.1	10.3	0.20	308.6	-0.8	-6.5
728	10.4	-1.3	-5.9	-8.0	8.7	0.20	310.6	-2.7	-5.4
687	7.7	-3.4	-4.9	-7.0	7.1	0.20	312.7	-4.5	-3.9
643	5.1	-4.4	-3.7	-13.0	5.4	0.20	315.7	-5.1	-2.5
597	1.3	-5.5	-2.2	-16.5	4.1	0.20	318.2	-5.8	-0.8
549	-0.97	-4.1	-2.9	-19.4	4.6	0.20	323.1	-4.7	-1.9
500	-5.5	-1.5	-4.5	-13.3	1.6	0.20	326.2	-2.5	-4.0
451	-11.0	-3.1	-1.5	-5.4	1.2	0.20	329.2	-3.4	-0.7
402	-16.7	-2.8	-2.8	2.3	0.73	0.20	332.9	-3.4	-2.0
352	-23.8	1.6	-6.5	8.5	0.37	0.21	336.0	0.0	-6.7
304	-32.4	-1.8	-6.9	10.5	0.19	0.20	338.5	-3.4	-6.2
259	-41.4	-2.8	-5.0	7.0	0.11	0.20	341.1	-3.9	-4.2
220	-49.9	0.33	-2.0	8.8	1E-1	0.20	344.4	-0.2	-2.1
183	-61.1	-0.52	0	3.5	3E-2	0.20	345.0	-0.5	0.1
138	-71.7	-9.0	-2.0	0	1E-2	0.20	355.1	-9.2	0.2
88	-67.0	-10.8	-6.3	0.20	1E-2	0.20	413.2	-12.0	-3.5
63	-58.5	-13.2	-2.4	-0.26	1E-2	0.20	473.7	-13.4	0.8
38	-46.9	-25.3	-4.6	1E-1	3E-2	0.20	577.8	-25.7	1.6

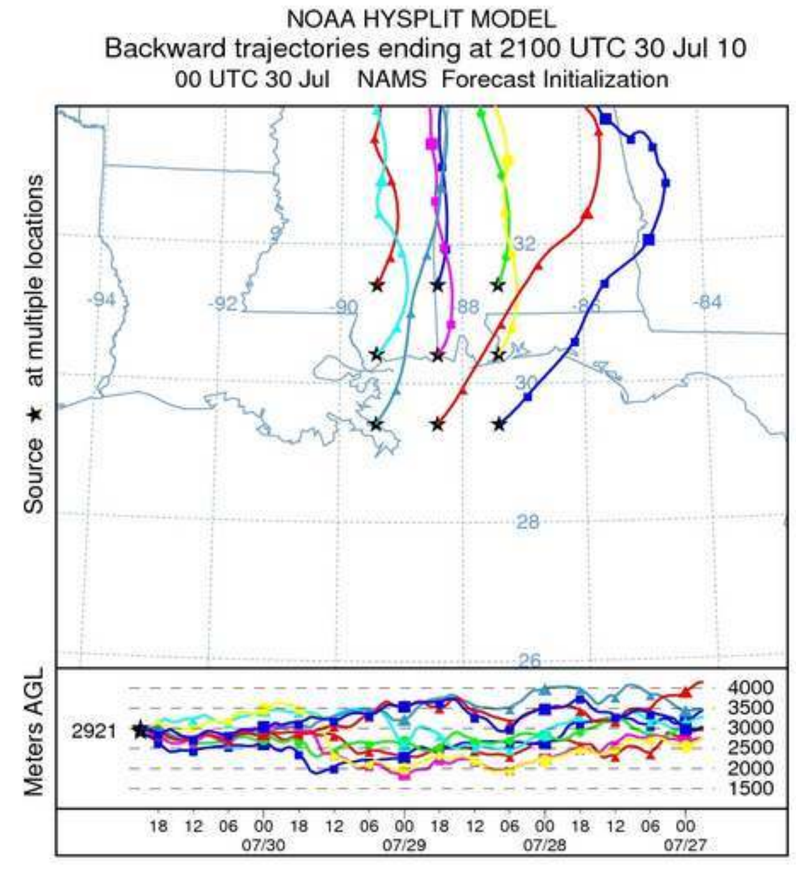

FORECAST for 2010_07_30, local hour = 16
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0


NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
3500
3000
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27

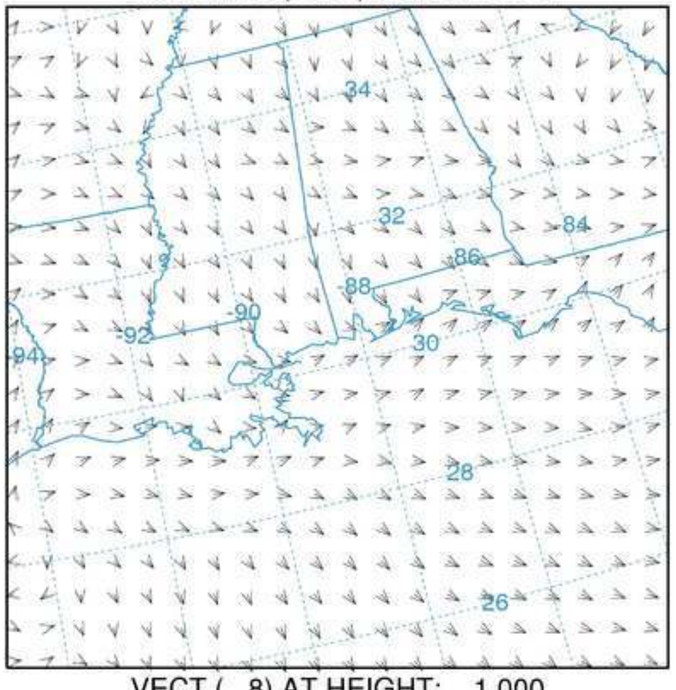

NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2000
1000
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4000
3500
3000
2500
2000
1500
07/30
07/29
07/28
07/27

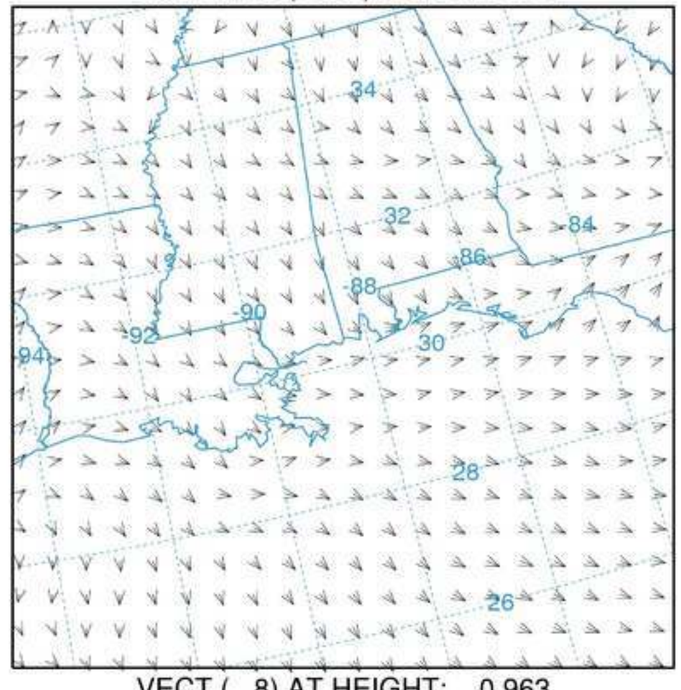
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/21



VECT (8) AT HEIGHT: 1.000

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

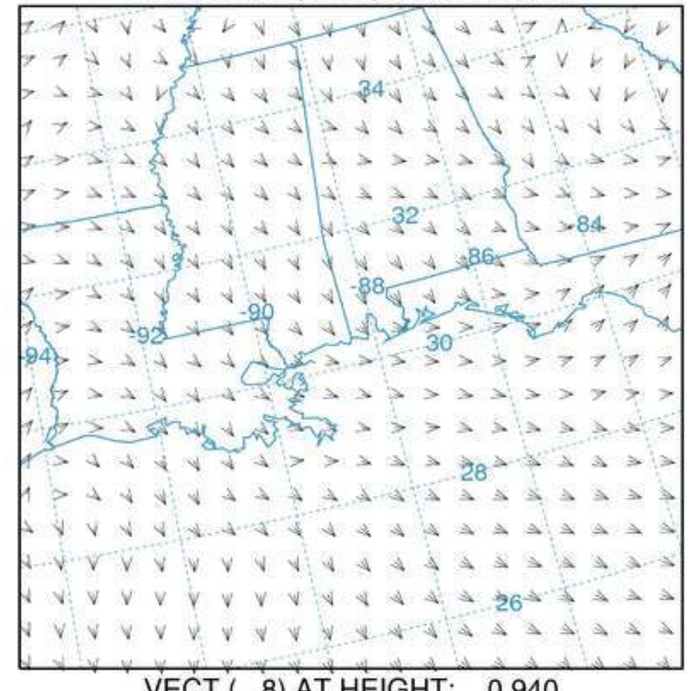
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/21



VECT (8) AT HEIGHT: 0.963

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

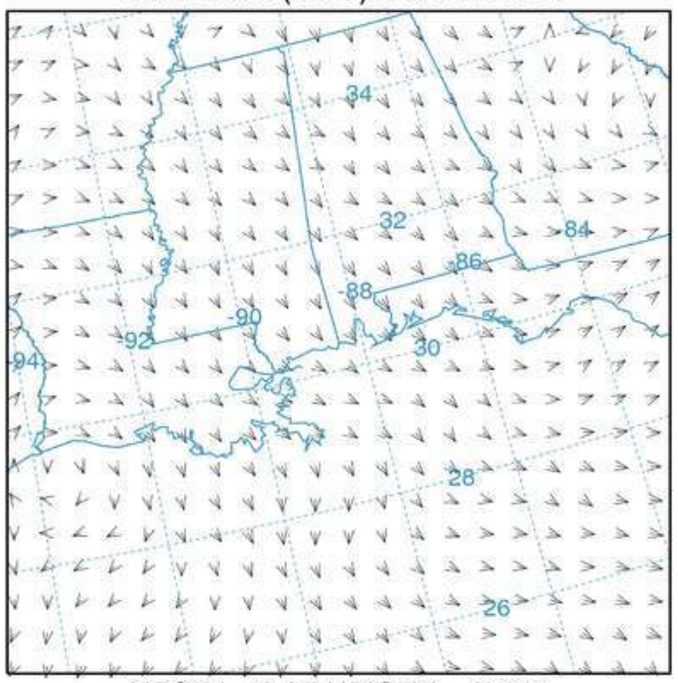
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/21



VECT (8) AT HEIGHT: 0.940

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

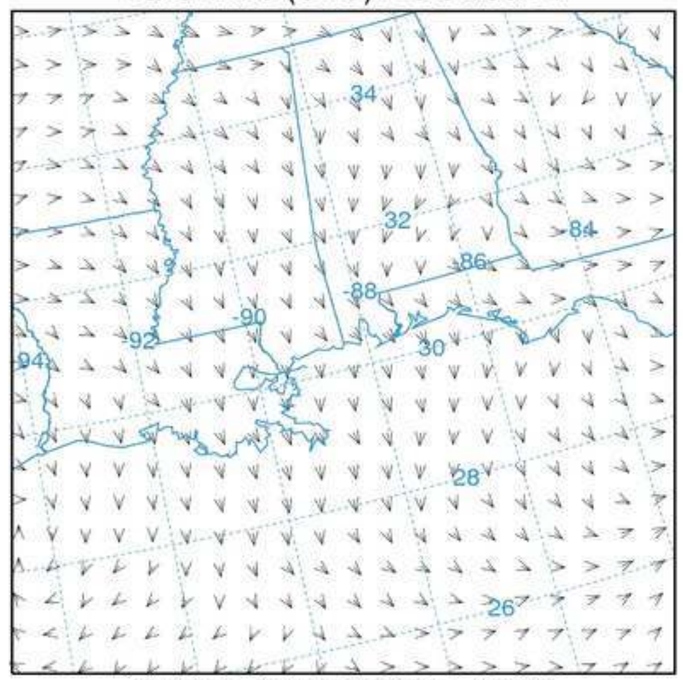
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/21



VECT (7) AT HEIGHT: 0.904

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

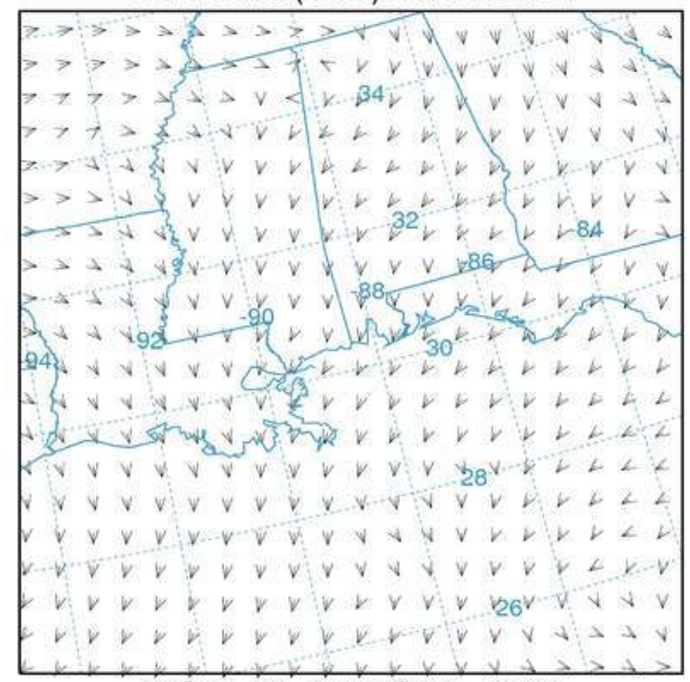
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/21



VECT (8) AT HEIGHT: 0.826

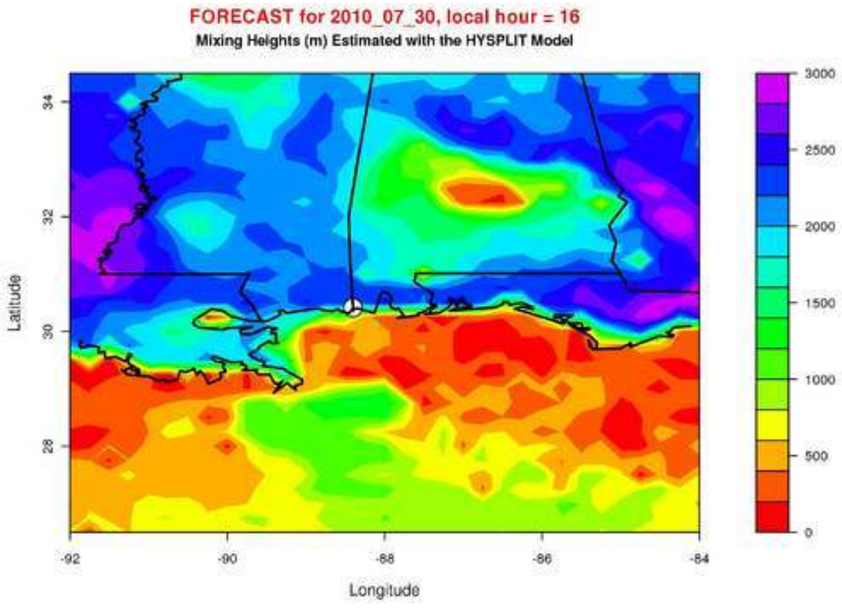
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

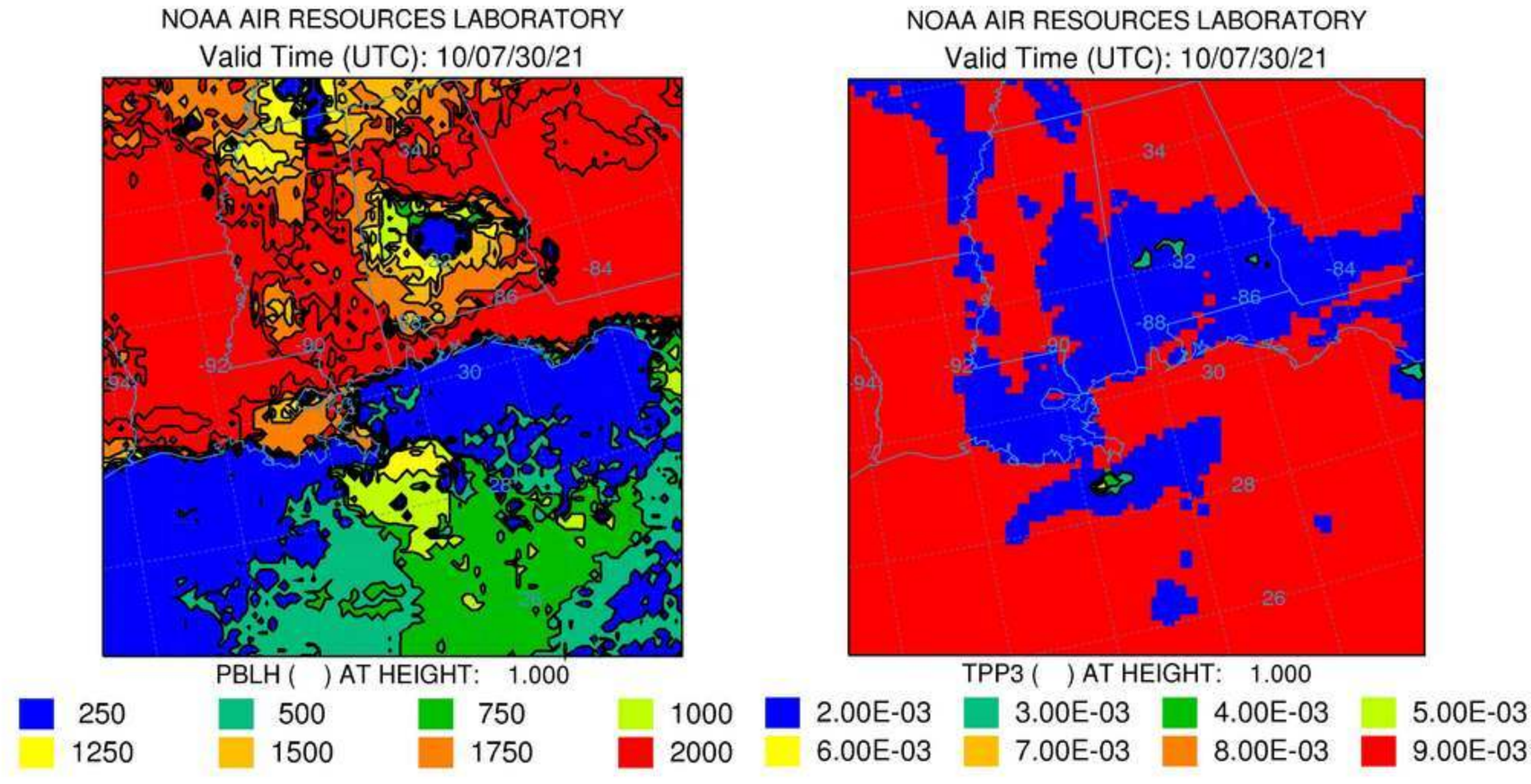
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/21

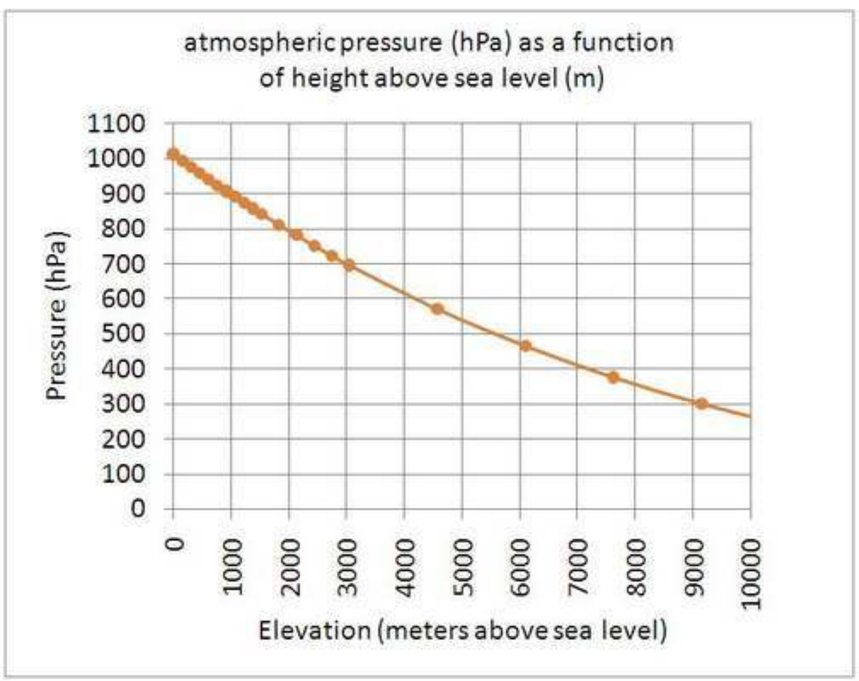


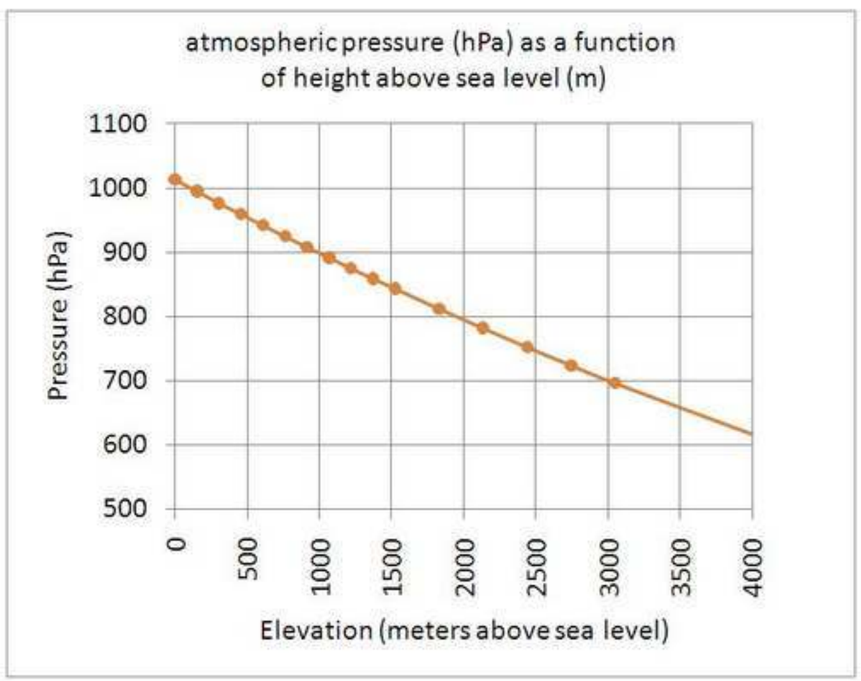
VECT (10) AT HEIGHT: 0.718

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


FORECAST for 2010_07_30, local hour = 16
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
3000
2500
2000
1500
1000
500
0


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/21
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/21
PBLH ( ) AT HEIGHT: 1.000
250
500
750
1000
1250
1500
1750
2000
TPP3 ( ) AT HEIGHT: 1.000
2.00E-03
3.00E-03
4.00E-03
5.00E-03
6.00E-03
7.00E-03
8.00E-03
9.00E-03


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
0
500
1000
1500
2000
2500
3000
3500
4000

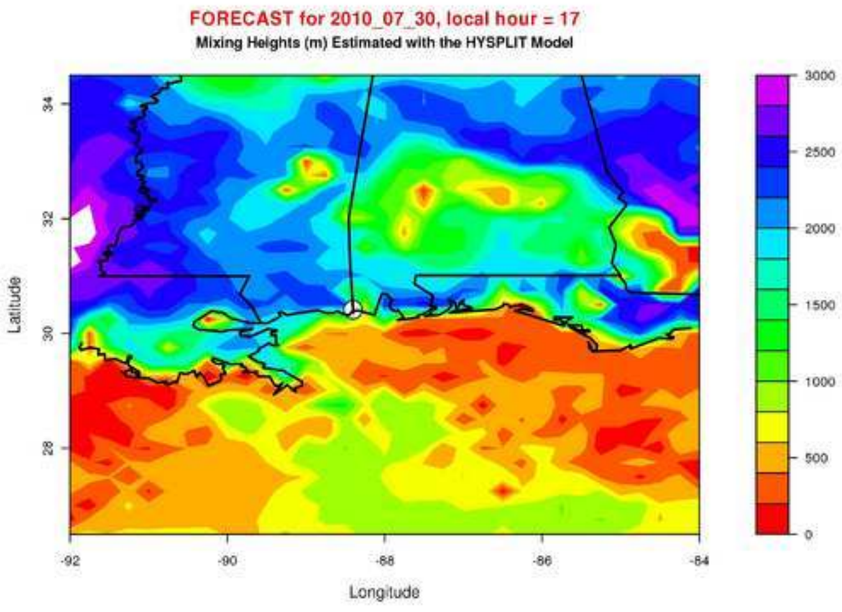
Meteorological Profile: hysplit.t00z.namsf

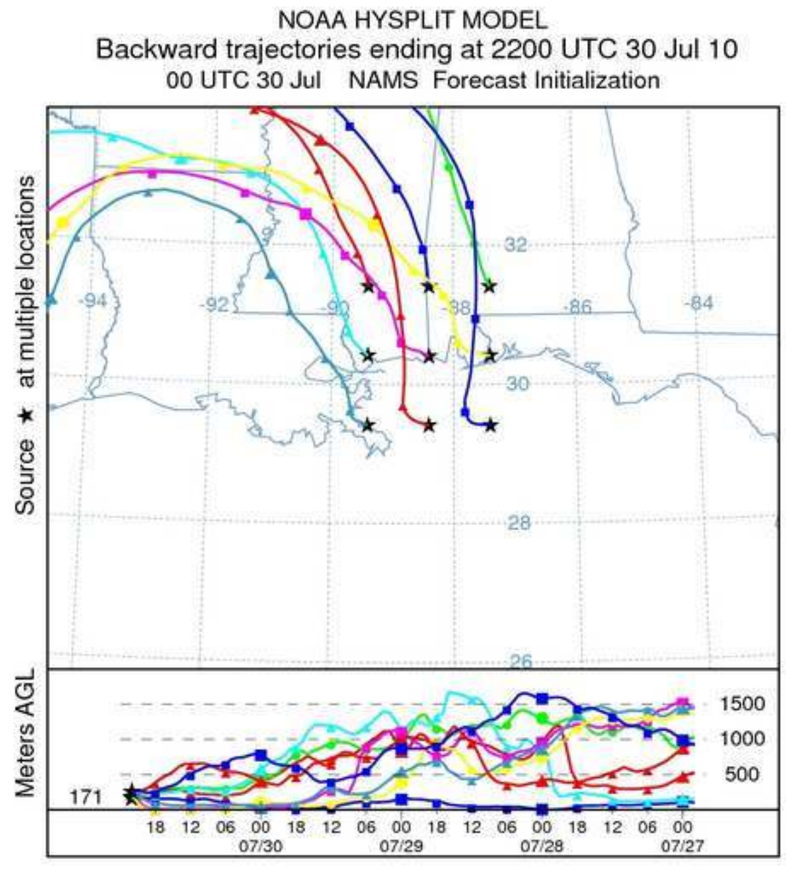
File start time : 10 7 30 0 0
File ending time: 10 8 1 0 0

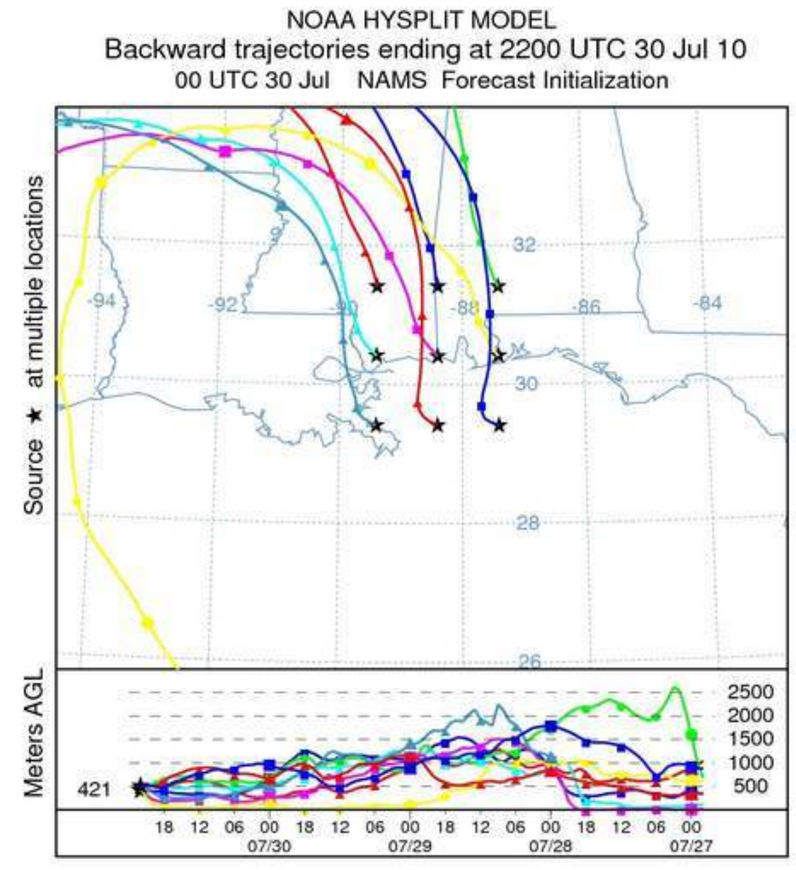
Profile Time: 10 7 30 21 0
Profile Location: 30.41 -88.40 (335,110)

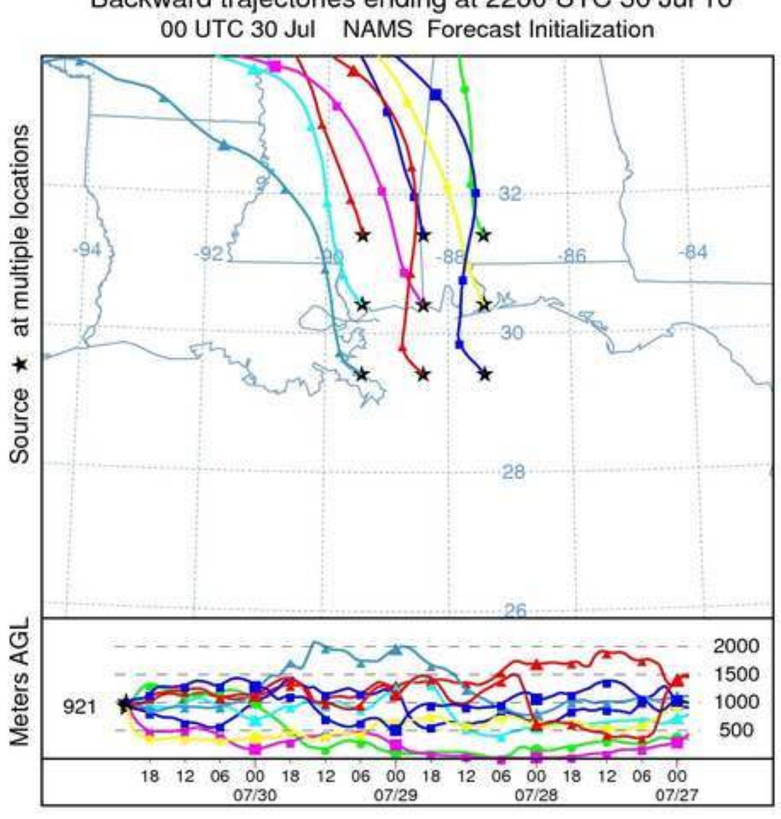
	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1014	0	1012	1E-3	33.5	63.4	4.0	1.9	1014	104	-5.0	0.10	0	241	2330

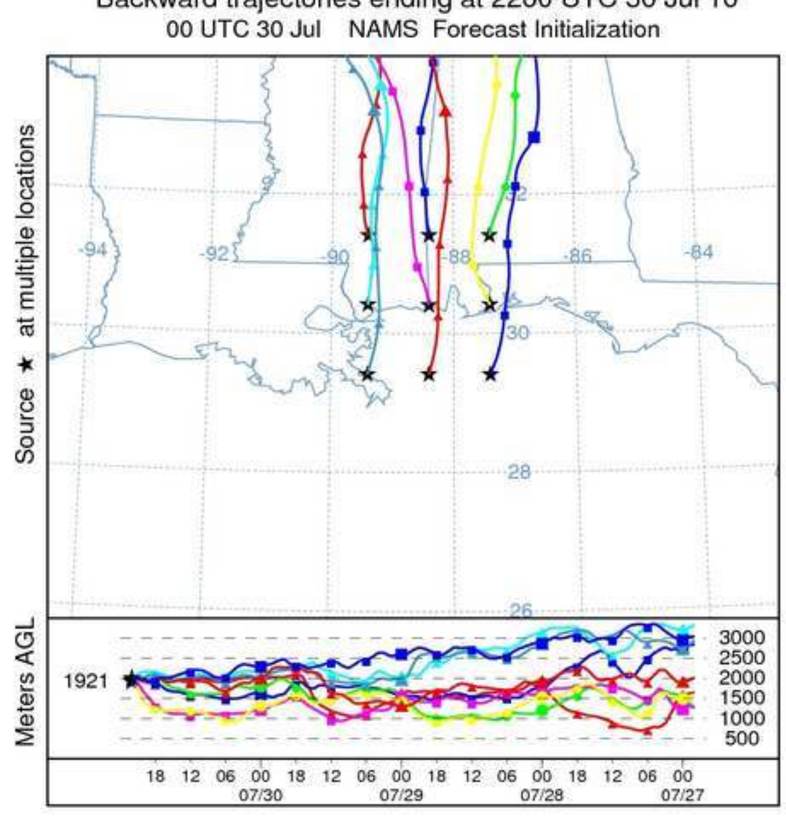
	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	UWND W->E	VWND S->N
1011	33.7	4.9	2.9	-3.5	17.6	0.55	305.8	5.5	1.6
1007	33.2	5.0	2.8	-8.0	17.6	0.67	305.8	5.5	1.5
1002	32.8	4.9	2.4	-11.1	16.8	0.93	305.8	5.4	1.2
997	32.4	5.3	2.3	-16.4	16.8	1.2	305.9	5.7	1.0
992	32.0	5.2	1.7	-18.8	16.6	1.2	305.8	5.5	0.4
987	31.6	4.8	1.2	-23.2	16.4	1.3	306.0	5.0	0.0
982	31.3	4.7	0.54	-24.7	16.1	1.4	306.0	4.7	-0.6
976	30.9	4.7	-0.11	-27.2	15.7	1.5	306.1	4.5	-1.2
971	30.4	4.6	-0.59	-28.0	15.5	1.6	306.2	4.3	-1.7
965	30.0	4.7	-1.2	-30.2	15.3	1.6	306.2	4.3	-2.3
959	29.4	4.2	-1.6	-31.0	15.2	1.7	306.2	3.7	-2.6
953	28.9	4.3	-2.1	-30.7	15.1	1.8	306.2	3.7	-3.0
947	28.2	4.2	-2.5	-34.2	15.1	1.8	306.1	3.4	-3.4
940	27.6	4.2	-2.7	-33.7	15.0	1.9	306.1	3.4	-3.6
933	26.9	4.2	-3.0	-32.4	15.0	1.9	306.1	3.3	-3.9
925	26.1	4.0	-3.3	-31.5	14.9	1.9	306.0	3.1	-4.2
916	25.2	3.9	-3.4	-30.2	14.9	2.1	305.9	3.0	-4.2
895	22.8	3.8	-3.5	-28.1	14.8	2.1	305.5	2.8	-4.3
868	20.0	3.7	-3.9	-25.6	14.7	2.2	305.3	2.6	-4.6
837	16.8	4.0	-4.6	-17.7	14.2	1.9	305.0	2.8	-5.5
803	14.6	1.6	-6.4	-4.2	11.2	0.20	306.4	0.0	-6.6
767	12.9	0	-5.6	4.2	9.6	0.20	308.6	-1.3	-5.5
728	10.6	-1.8	-4.6	0	8.3	0.20	310.7	-2.9	-4.0
687	7.7	-3.4	-4.0	7.0	6.7	0.20	312.7	-4.3	-3.1
643	5.1	-3.8	-3.5	0	5.4	0.20	315.7	-4.6	-2.4
597	1.1	-4.5	-2.1	-9.0	4.1	0.20	317.9	-4.8	-1.0
549	-2.2	-4.1	-2.4	-12.3	3.7	0.20	321.6	-4.5	-1.3
501	-5.9	-2.5	-4.1	-12.3	2.6	0.20	325.8	-3.4	-3.3
452	-11.3	-2.7	-1.1	-4.9	1.3	0.20	328.7	-2.9	-0.4
402	-17.0	-2.8	-2.8	-3.5	0.76	0.20	332.5	-3.4	-2.0
352	-23.8	0.77	-7.0	0	0.65	0.19	336.0	-0.9	-7.0
304	-32.3	-2.1	-7.0	8.8	0.14	0.20	338.7	-3.8	-6.3
259	-41.3	-3.3	-5.0	1.9	1E-1	0.20	341.2	-4.4	-4.1
220	-49.8	0.37	-2.9	0	1E-1	0.20	344.4	-0.3	-2.9
183	-61.0	0	-1.0	0	3E-2	0.20	345.0	-0.2	-1.0
138	-72.0	-8.2	-2.1	-0.76	1E-2	0.20	354.6	-8.4	0.0
88	-66.9	-10.8	-6.4	1.1	1E-2	0.20	413.3	-12.0	-3.6
63	-58.7	-13.2	-1.6	-3E-2	1E-2	0.20	473.2	-13.2	1.6
38	-46.3	-24.8	-5.4	0	3E-2	0.20	579.4	-25.4	0.7

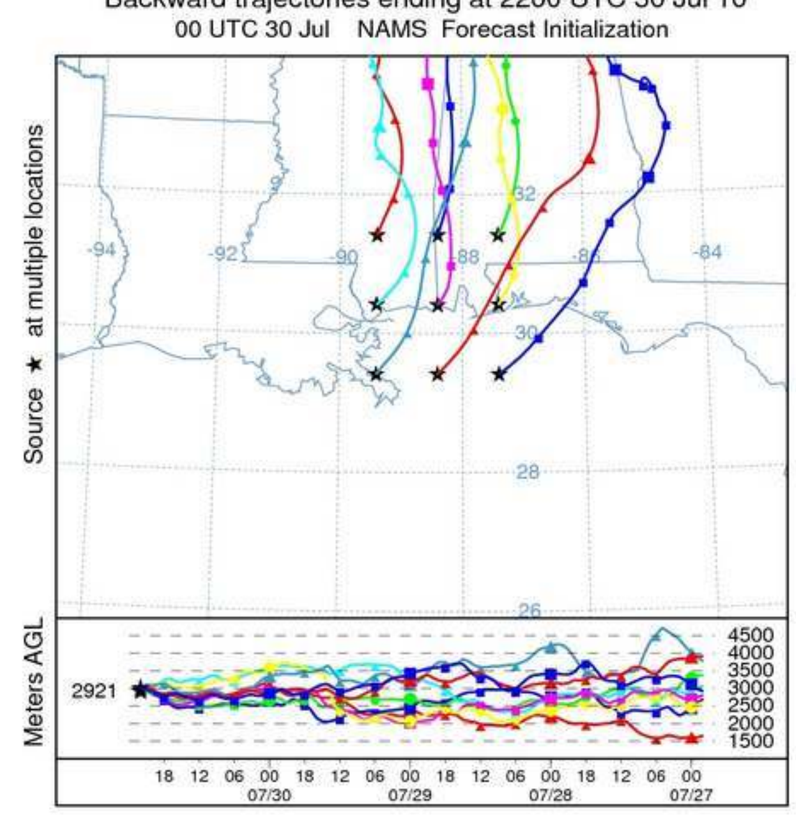

FORECAST for 2010_07_30, local hour = 17
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0


NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
1500
1000
500
07/30
07/29
07/28
07/27

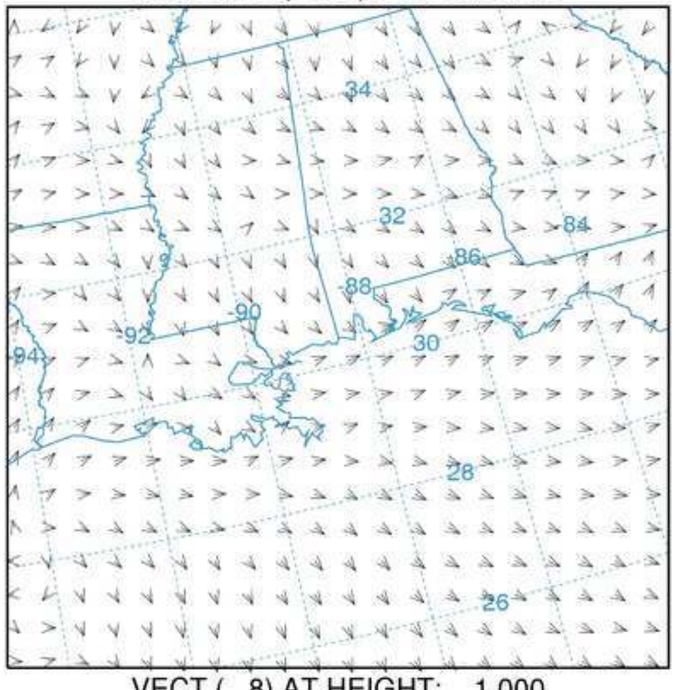

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3000
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4500
4000
3500
3000
2500
2000
1500
07/30
07/29
07/28
07/27

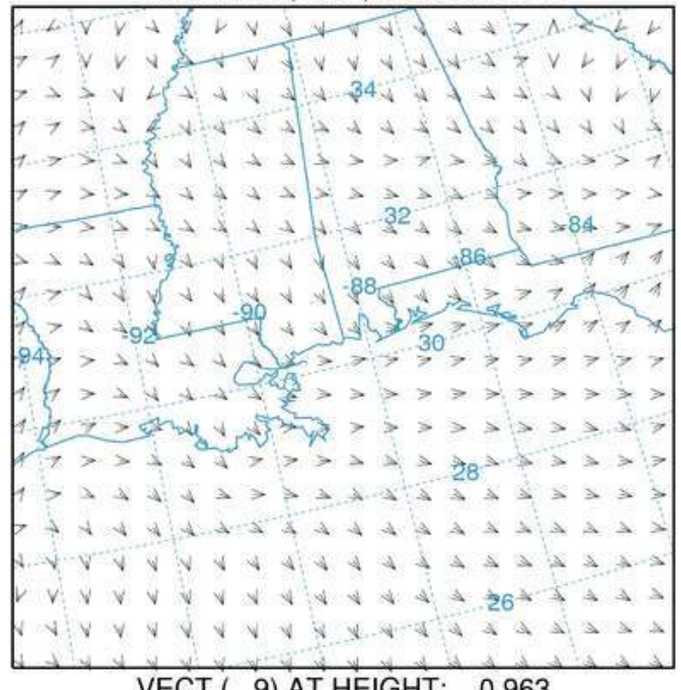
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/22



VECT (8) AT HEIGHT: 1.000

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

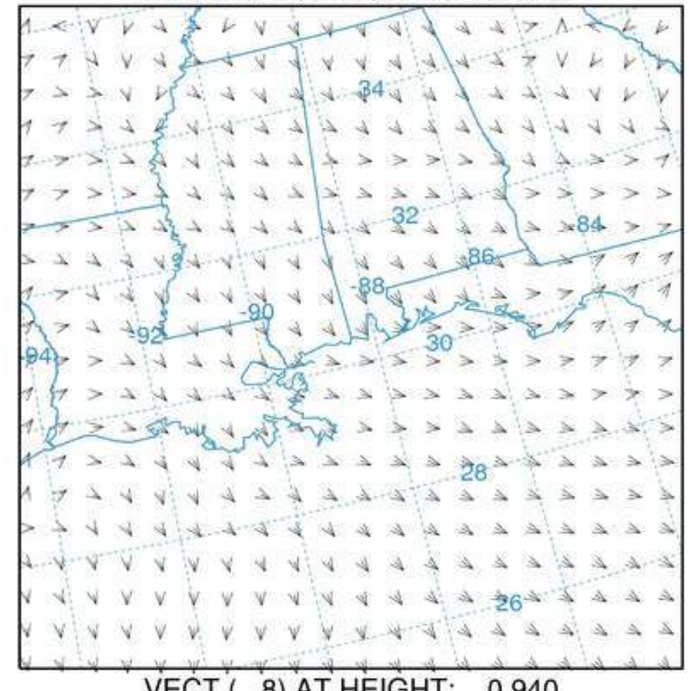
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/22



VECT (9) AT HEIGHT: 0.963

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

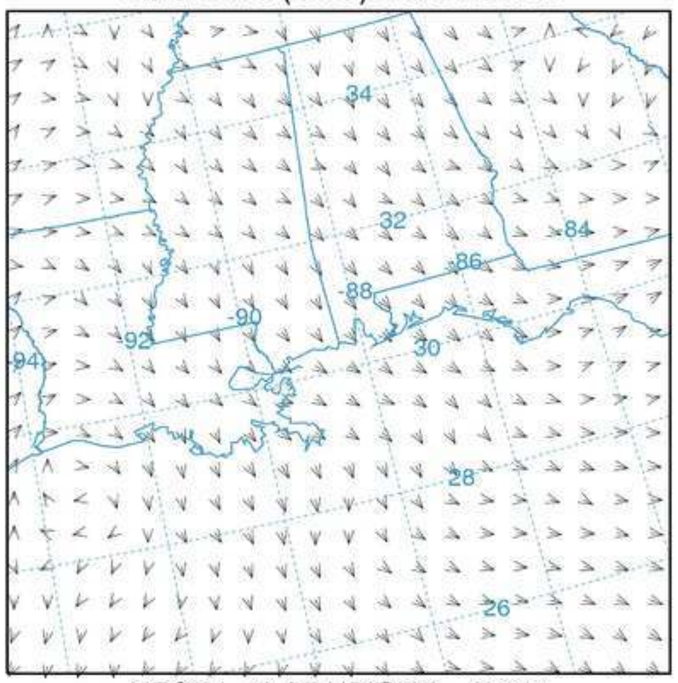
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/22



VECT (8) AT HEIGHT: 0.940

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

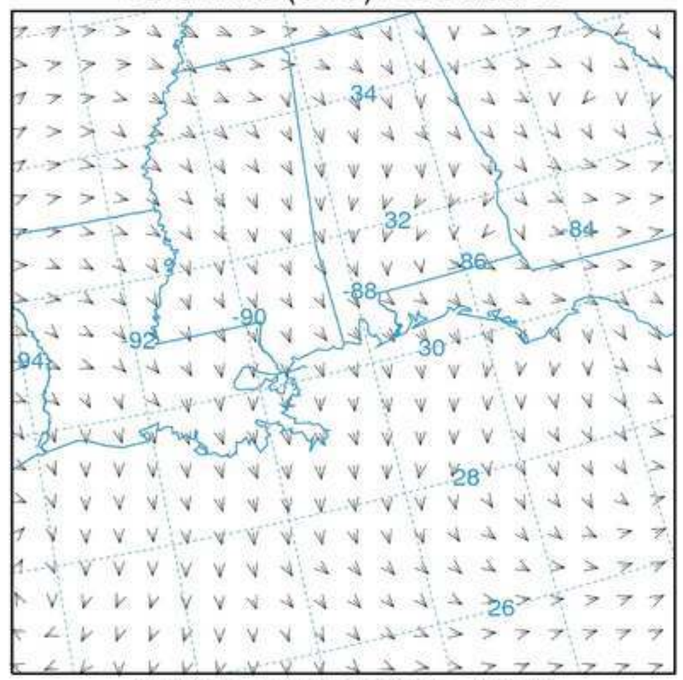
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/22



VECT (7) AT HEIGHT: 0.904

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

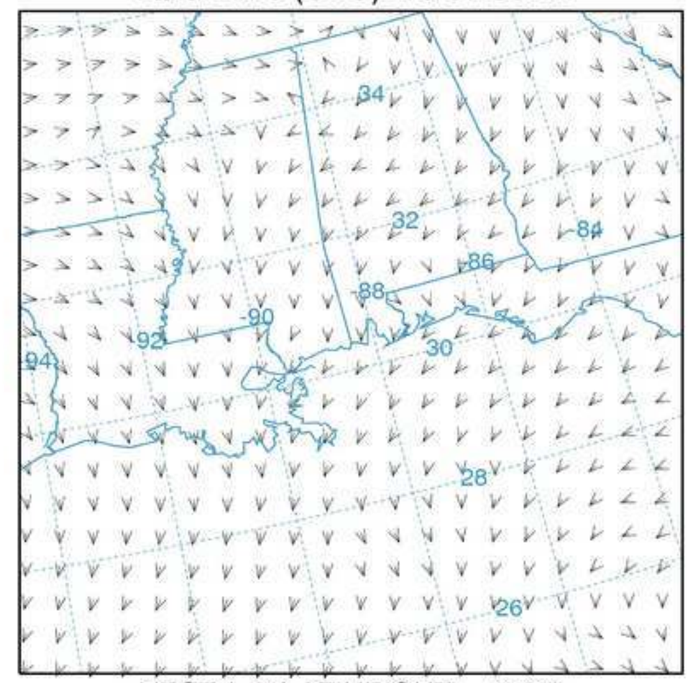
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/22



VECT (9) AT HEIGHT: 0.826

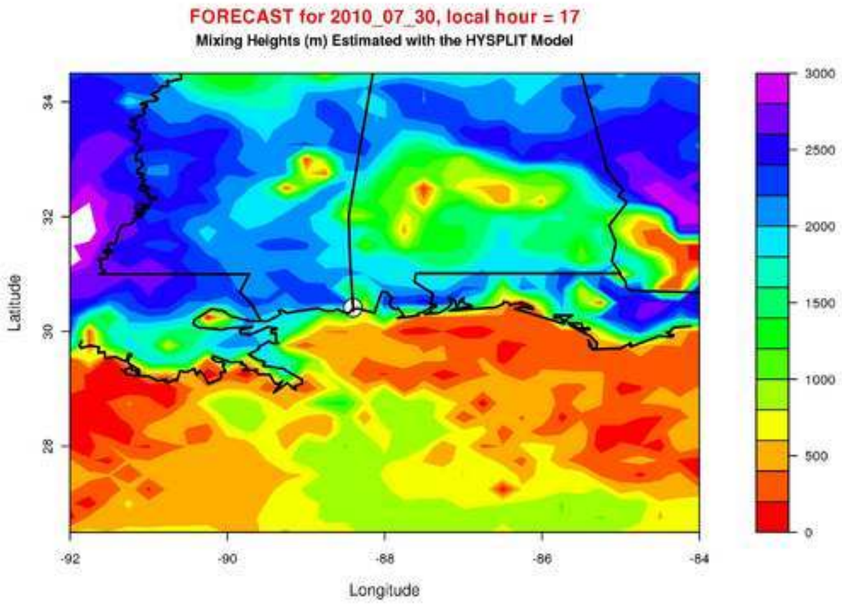
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

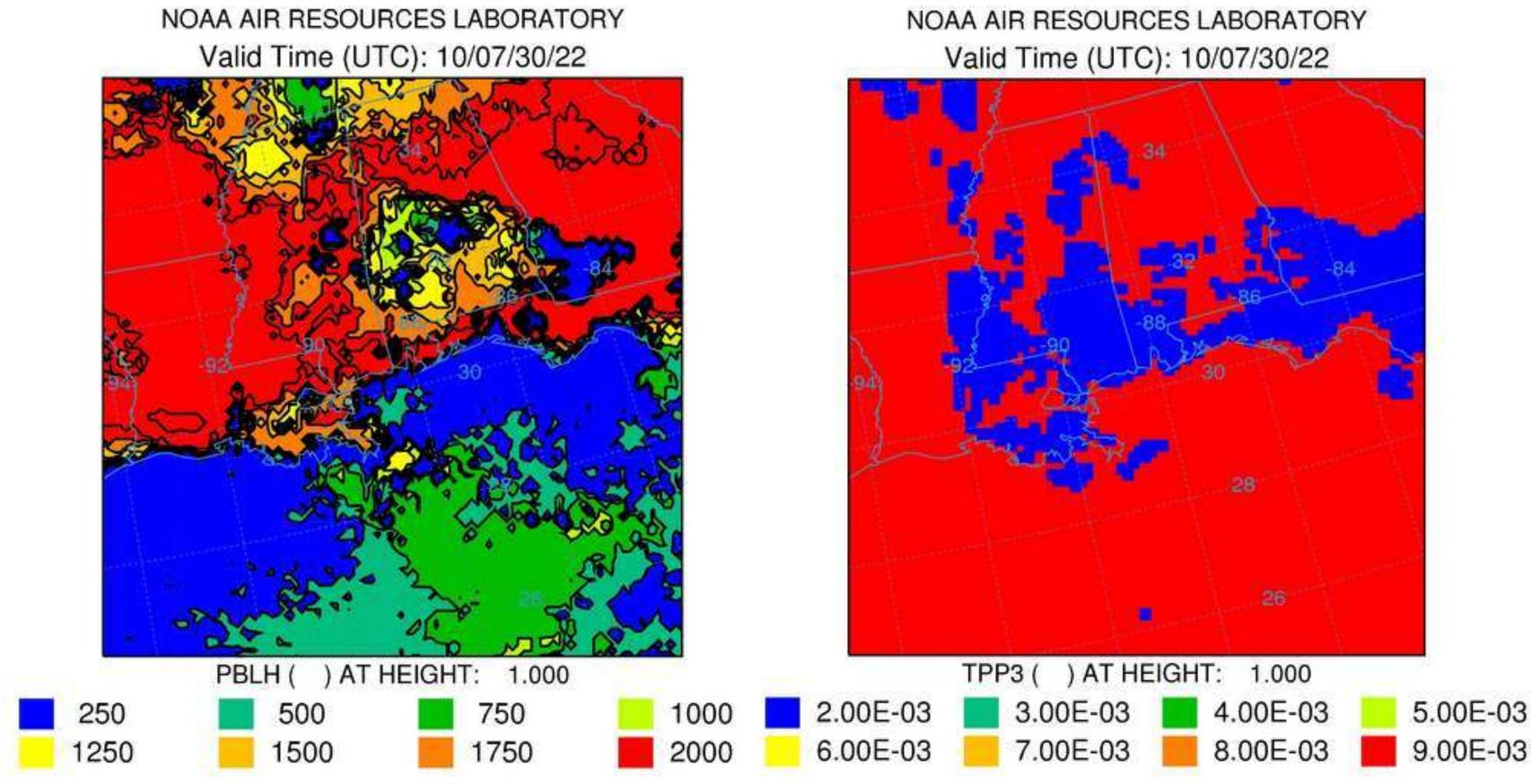
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/22

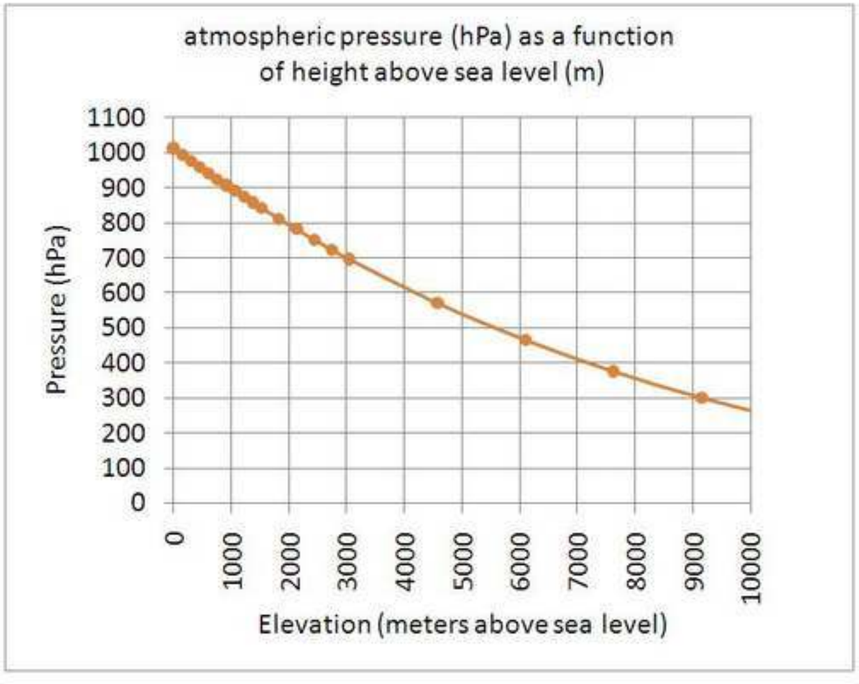


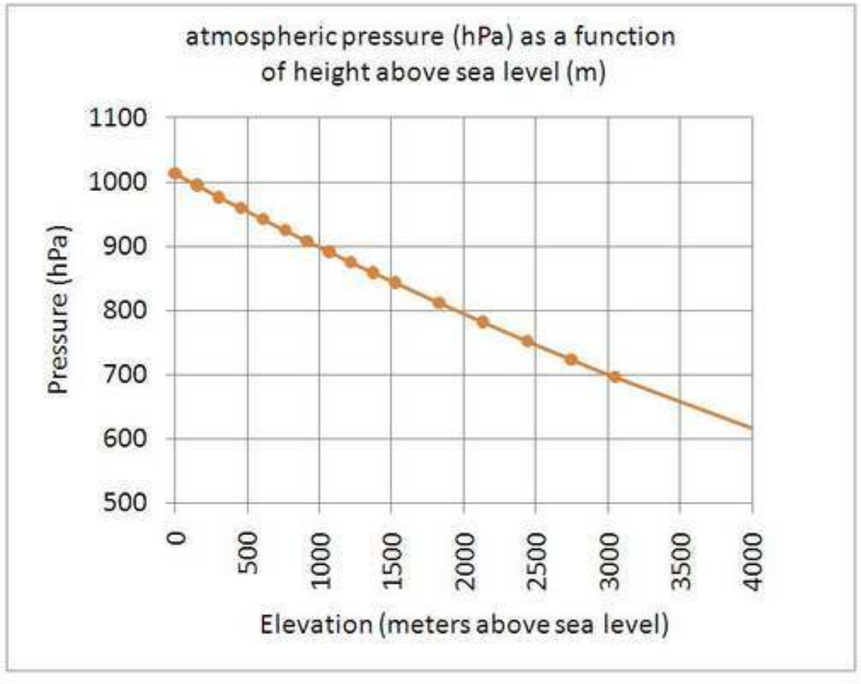
VECT (11) AT HEIGHT: 0.718

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


FORECAST for 2010_07_30, local hour = 17
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
3000
2500
2000
1500
1000
500
0


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/22
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/22
PBLH ( ) AT HEIGHT: 1.000
250
500
750
1000
1250
1500
1750
2000
TPP3 ( ) AT HEIGHT: 1.000
2.00E-03
3.00E-03
4.00E-03
5.00E-03
6.00E-03
7.00E-03
8.00E-03
9.00E-03


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
1100
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
Elevation (meters above sea level)


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
1100
1000
900
800
700
600
500
0
500
1000
1500
2000
2500
3000
3500
4000
Elevation (meters above sea level)

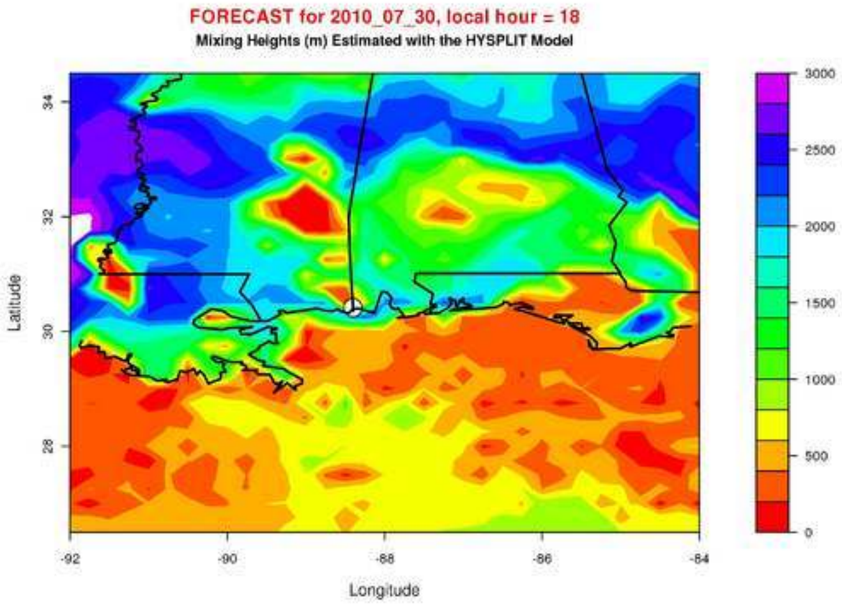
Meteorological Profile: hysplit.t00z.namsf

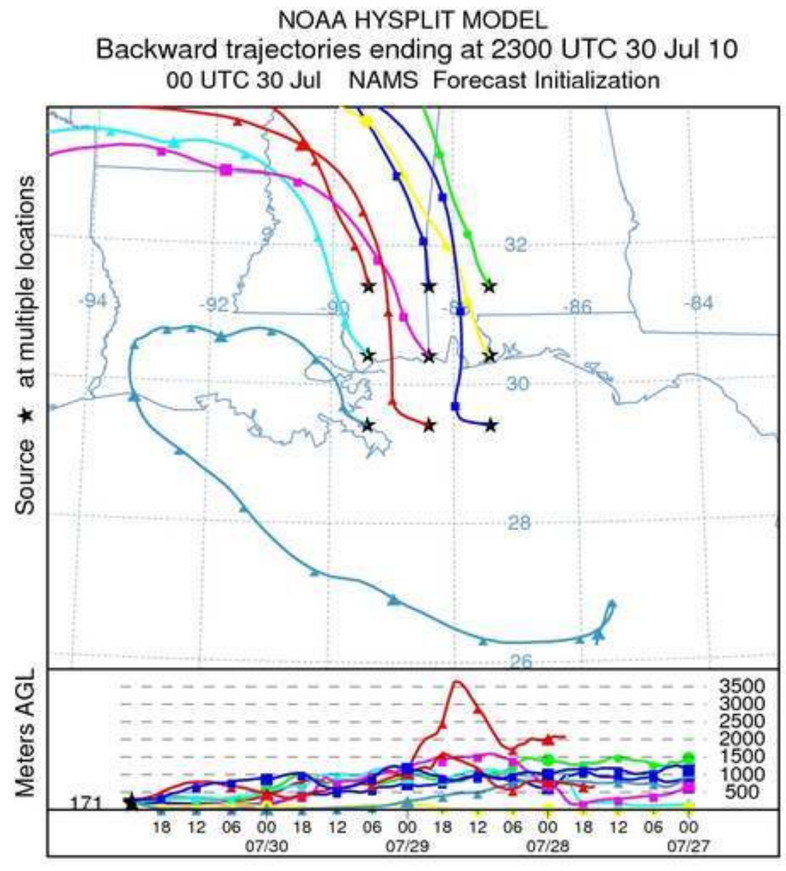
File start time : 10 7 30 0 0
File ending time: 10 8 1 0 0

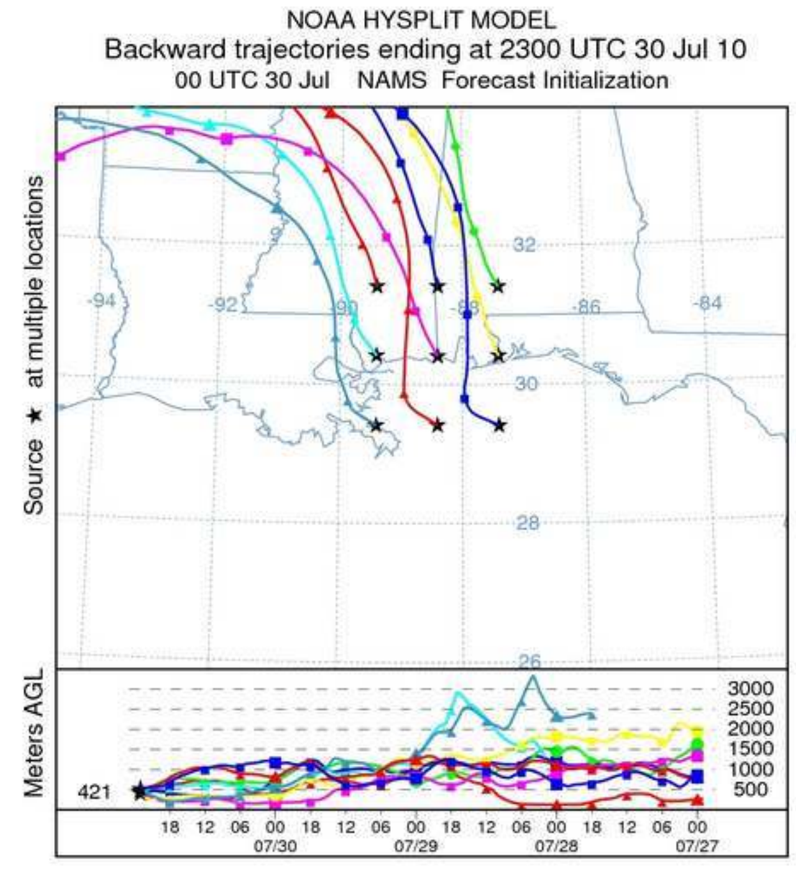
Profile Time: 10 7 30 22 0
Profile Location: 30.41 -88.40 (335,110)

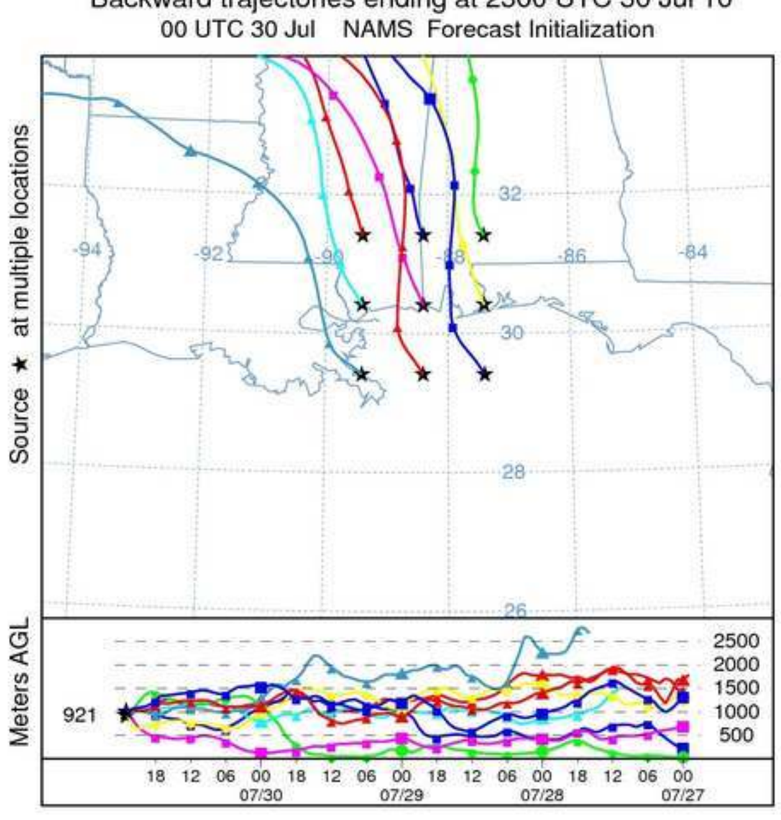
	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1013	0	1012	5E-4	33.5	62.5	4.7	1.2	1013	120	-12.2	0.12	0	216	2297

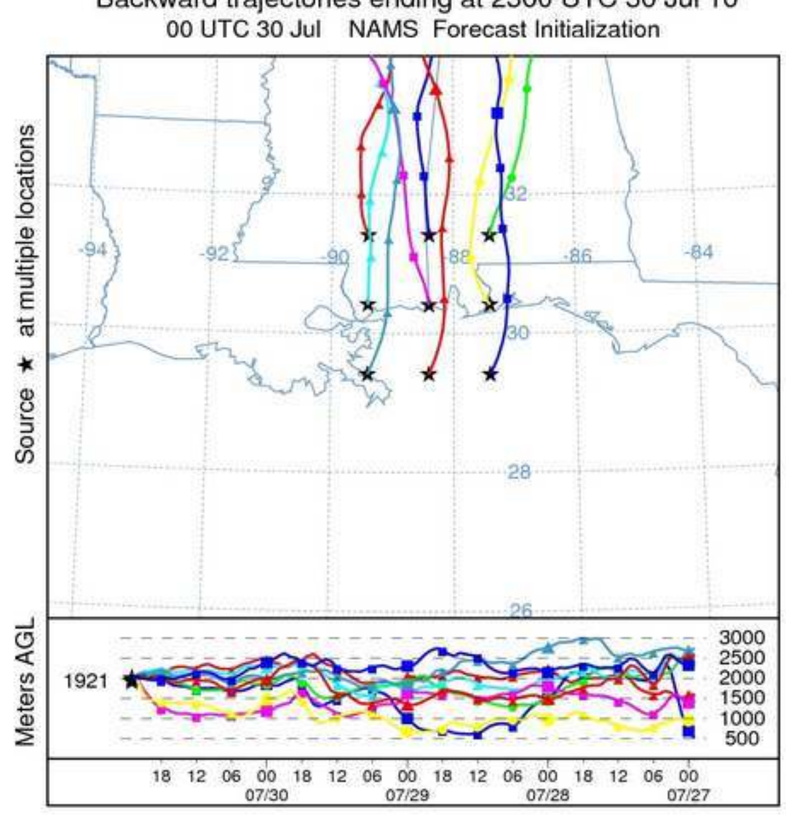
	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	UWND W->E	VWND S->N
1010	33.3	5.8	1.6	0	17.6	0.42	305.6	6.0	0.1
1006	32.9	5.9	1.4	-5.4	17.2	0.55	305.6	6.1	0.0
1001	32.5	6.0	1.1	-8.9	17.2	0.55	305.6	6.1	-0.4
996	32.3	5.9	0.89	-15.2	16.4	0.55	305.9	5.9	-0.5
991	31.9	5.7	0.27	-14.1	16.2	0.68	305.9	5.6	-1.1
986	31.6	5.9	-0.24	-17.8	16.0	0.80	306.0	5.7	-1.6
980	31.2	5.6	-0.68	-21.6	15.7	0.80	306.1	5.3	-2.0
975	30.8	5.5	-1.2	-20.8	15.5	0.80	306.2	5.1	-2.5
970	30.4	5.4	-1.9	-24.5	15.2	0.95	306.2	4.8	-3.1
964	29.9	4.7	-2.3	-25.9	15.1	0.69	306.3	4.0	-3.3
958	29.3	4.7	-2.7	-27.8	14.9	1.2	306.1	3.9	-3.7
952	28.8	4.4	-3.0	-28.7	14.8	1.3	306.2	3.6	-4.0
946	28.2	4.5	-3.4	-27.8	14.7	1.3	306.2	3.6	-4.4
939	27.5	4.2	-3.6	-30.9	14.7	1.3	306.1	3.2	-4.5
932	26.8	4.2	-3.8	-30.0	14.8	1.3	306.1	3.2	-4.7
924	26.0	4.1	-4.0	-28.1	14.6	1.1	306.0	3.0	-4.8
915	25.0	4.1	-4.0	-26.4	14.7	1.1	305.8	3.0	-4.8
894	22.8	4.2	-4.0	-27.2	14.6	1.2	305.6	3.1	-4.9
867	19.9	4.4	-4.0	-26.5	14.6	1.2	305.3	3.3	-4.9
836	16.7	3.8	-4.5	-24.6	14.0	0.95	305.1	2.6	-5.3
802	14.5	2.0	-5.6	-10.5	11.7	0.20	306.4	0.6	-5.9
766	12.8	0	-5.4	-2.9	10.0	0.15	308.6	-1.3	-5.3
727	10.5	-0.97	-4.2	0	8.6	0.20	310.7	-2.0	-3.9
686	7.8	-2.6	-3.8	0	7.1	0.20	312.9	-3.5	-3.1
643	5.0	-2.9	-3.3	0	5.6	0.20	315.6	-3.6	-2.5
596	1.2	-3.0	-2.1	-7.0	4.3	0.20	318.0	-3.4	-1.3
549	-1.2	-3.1	-2.4	-7.0	4.9	0.20	322.9	-3.6	-1.5
500	-6.0	-2.5	-3.1	0	2.0	0.20	325.7	-3.2	-2.5
451	-11.4	-2.1	-0.65	0	1.3	0.20	328.7	-2.2	-0.1
402	-17.3	-2.6	-2.9	-5.3	0.85	0.20	332.2	-3.2	-2.1
352	-23.9	0	-6.8	0	0.56	0.22	336.0	-1.6	-6.6
304	-32.1	-3.9	-6.2	0	0.14	0.20	338.9	-5.3	-5.1
259	-40.9	-4.7	-6.0	0	1E-1	0.20	341.9	-6.0	-4.7
220	-49.7	-0.67	-5.8	2.0	1E-1	0.20	344.7	-2.0	-5.5
182	-61.1	0.46	-3.9	-1.8	3E-2	0.20	345.0	-0.5	-3.9
138	-72.7	-6.1	-1.7	-1.6	1E-2	0.20	353.4	-6.3	-0.2
88	-65.9	-12.3	-5.4	0	1E-2	0.20	415.6	-13.2	-2.3
63	-58.0	-12.1	-2.4	0.38	1E-2	0.20	474.9	-12.4	0.6
38	-46.9	-23.9	-5.7	0.23	3E-2	0.20	577.9	-24.6	0.2

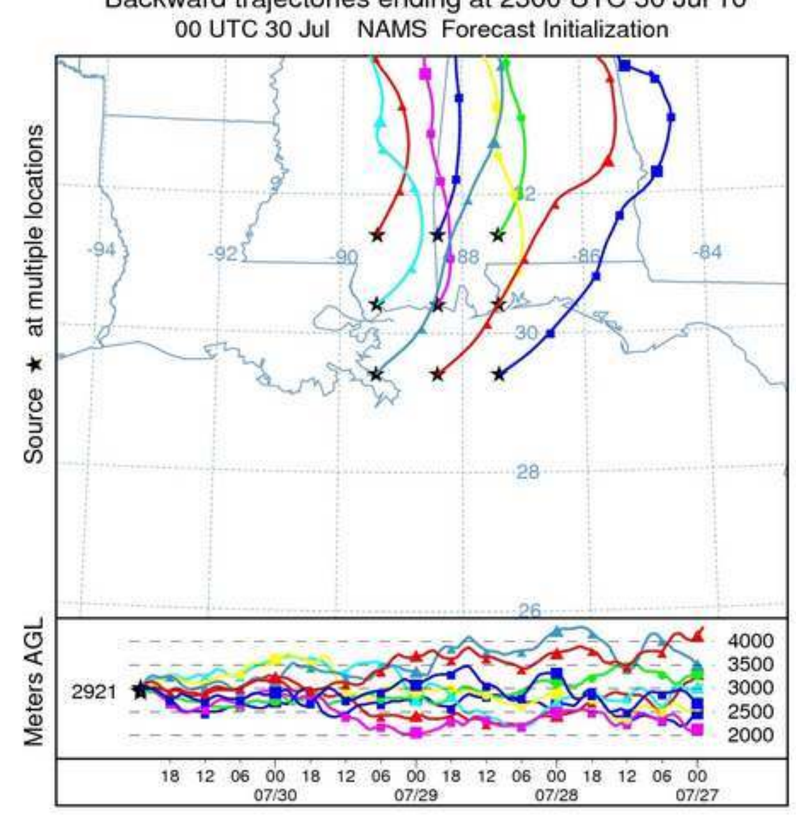

FORECAST for 2010_07_30, local hour = 18
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0


NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
07/30
07/29
07/28
07/27

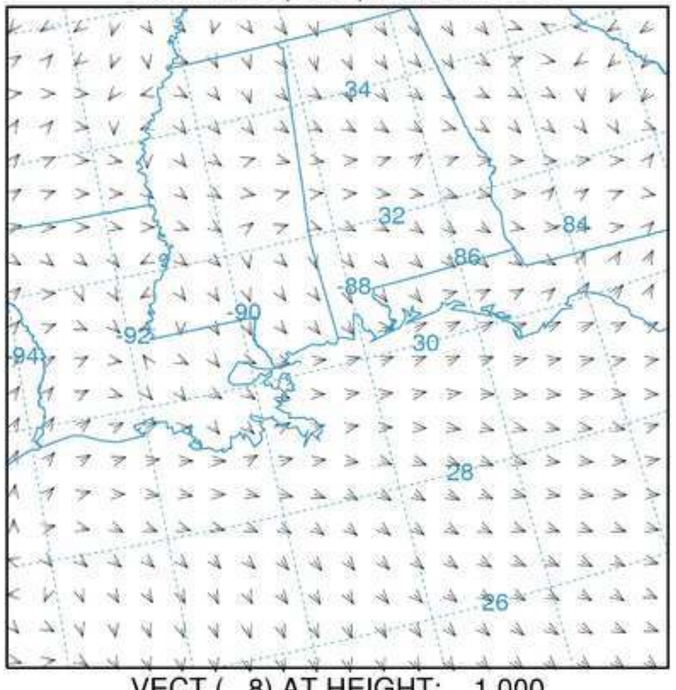

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 30 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
07/30
07/29
07/28
07/27

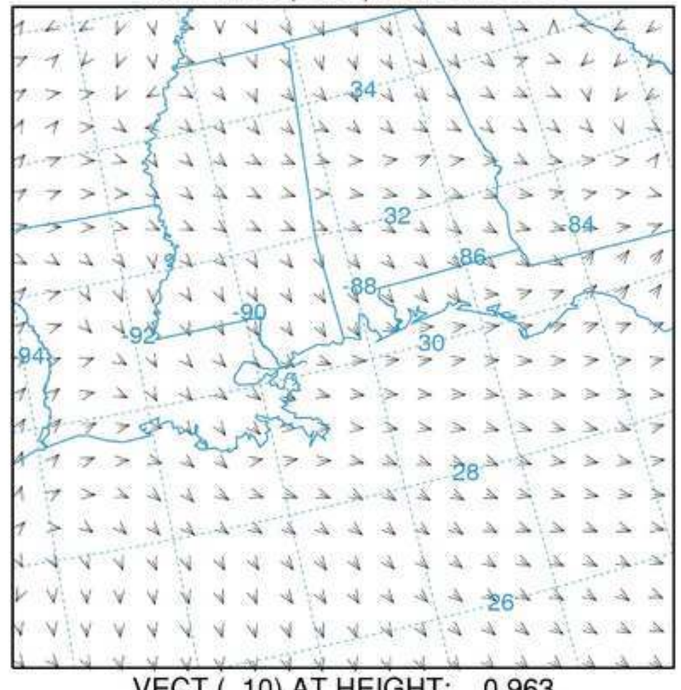
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/23



VECT (8) AT HEIGHT: 1.000

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

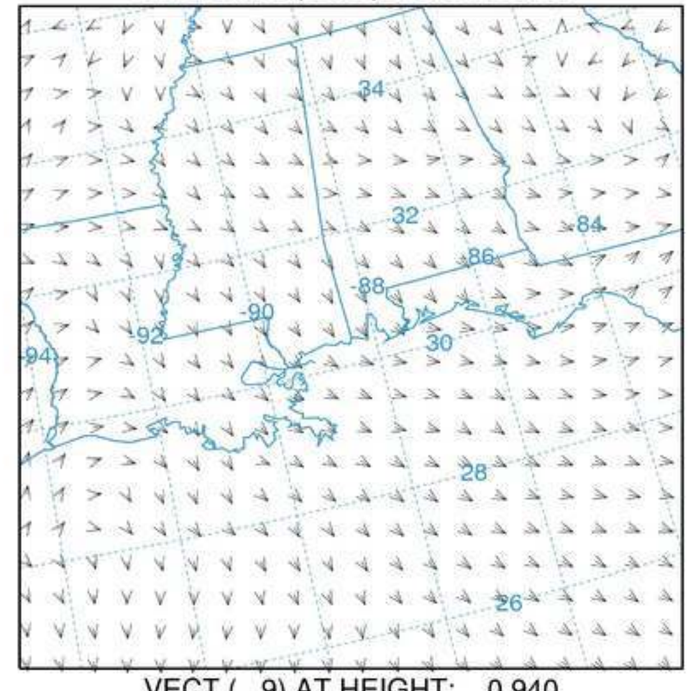
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/23



VECT (10) AT HEIGHT: 0.963

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

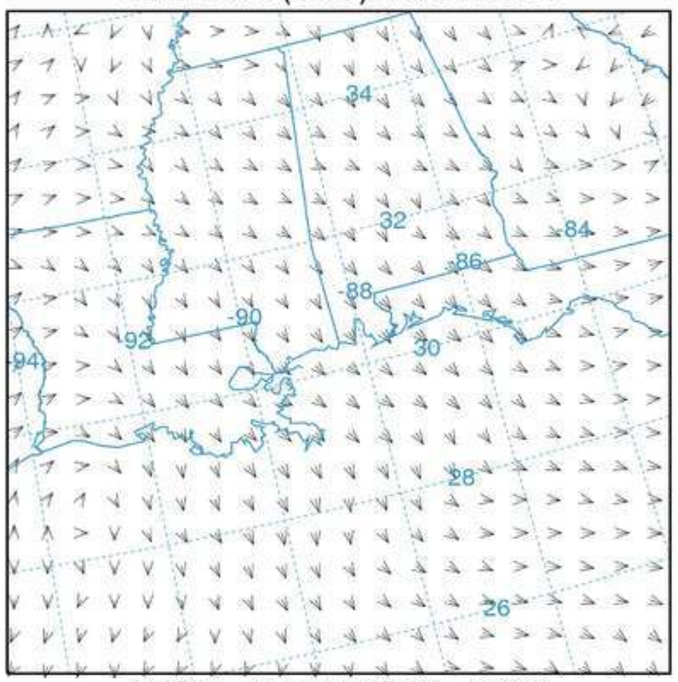
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/23



VECT (9) AT HEIGHT: 0.940

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

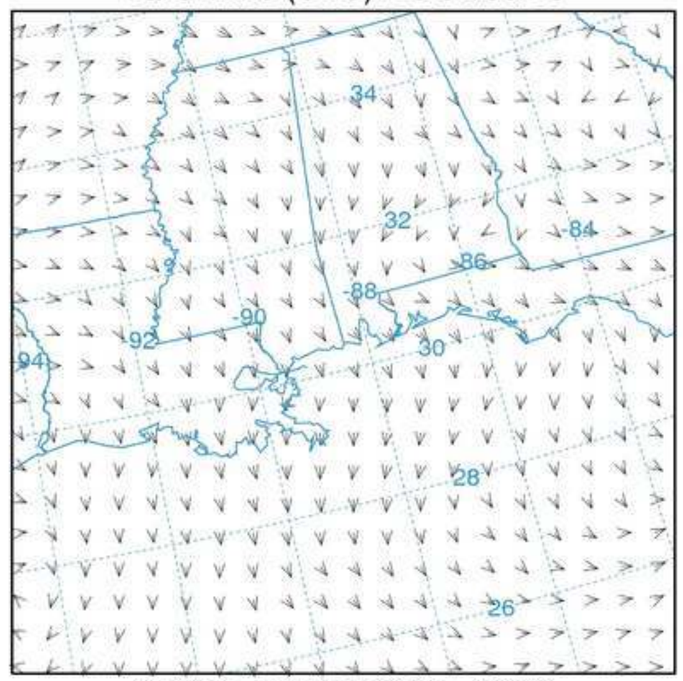
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/23



VECT (7) AT HEIGHT: 0.904

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

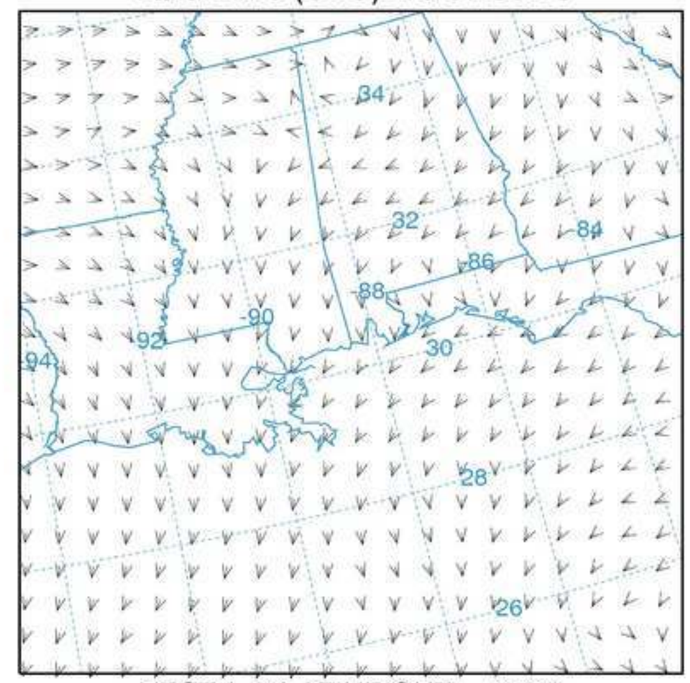
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/23



VECT (9) AT HEIGHT: 0.826

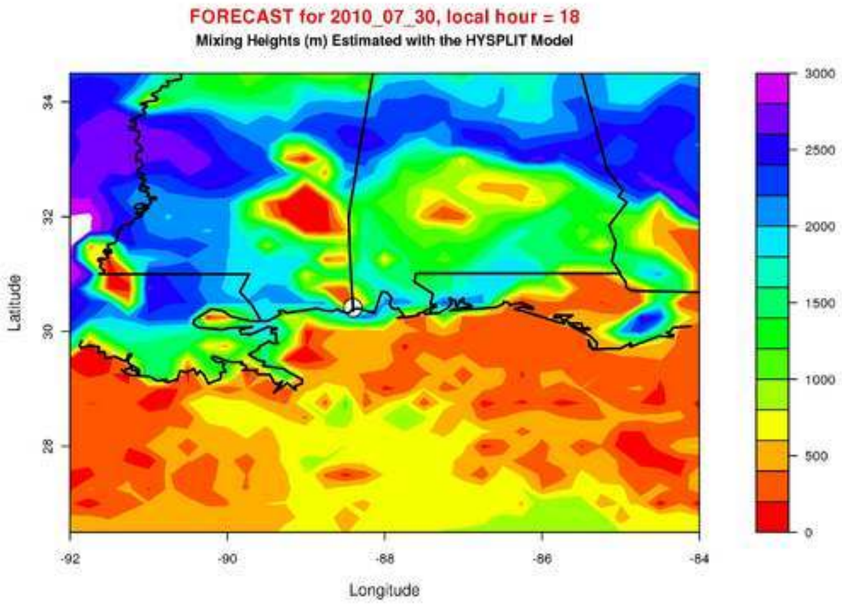
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

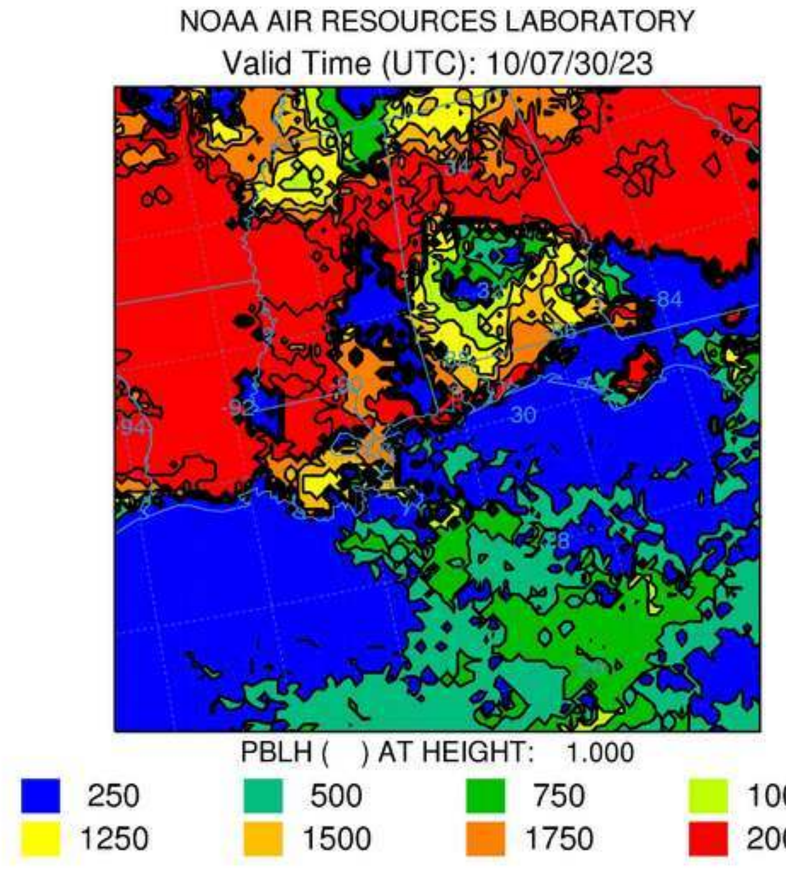
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/23

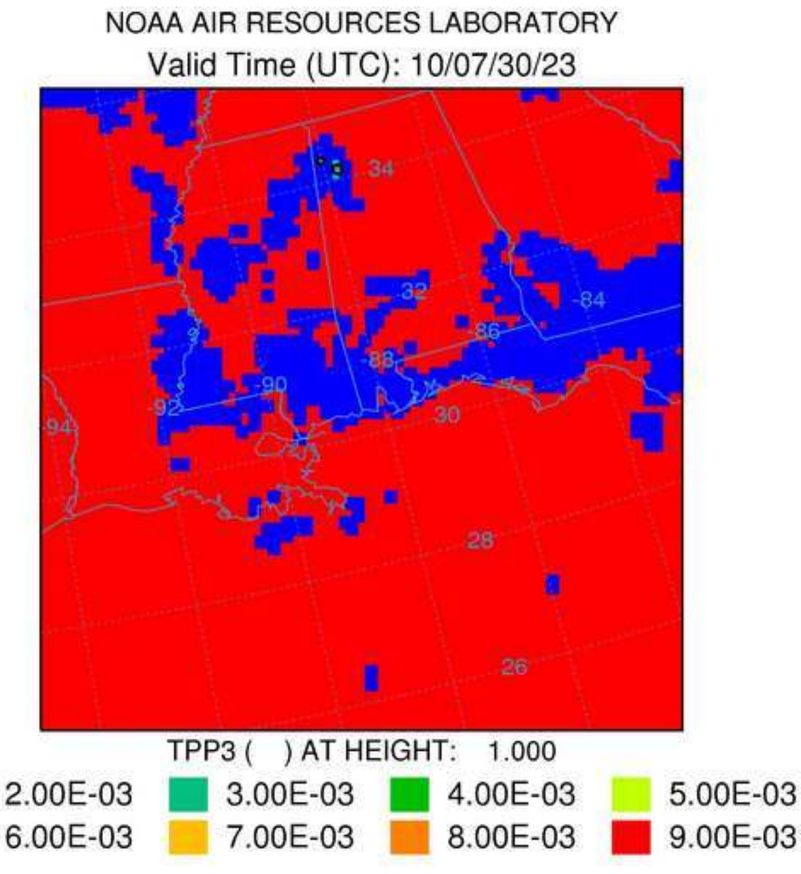


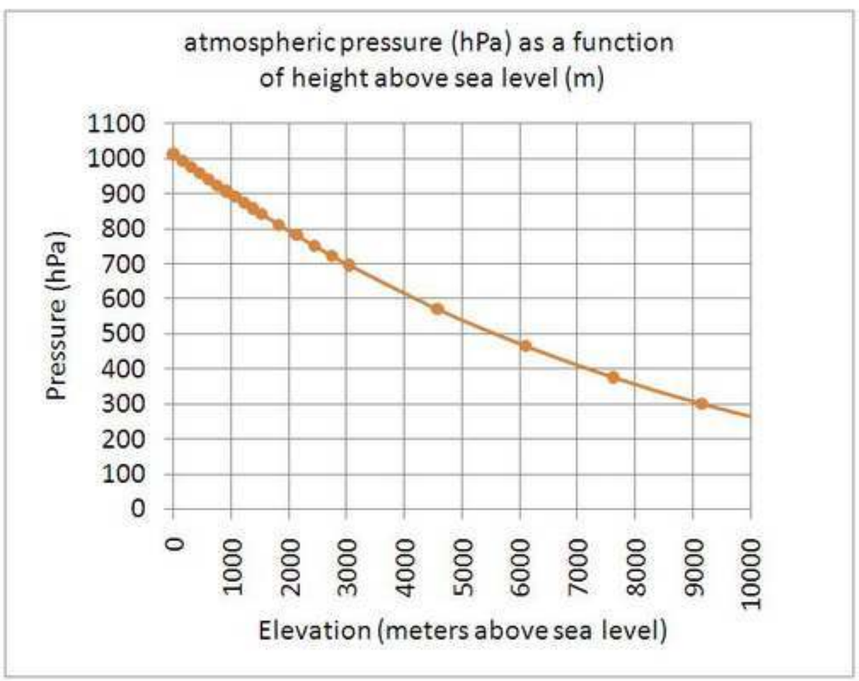
VECT (11) AT HEIGHT: 0.718

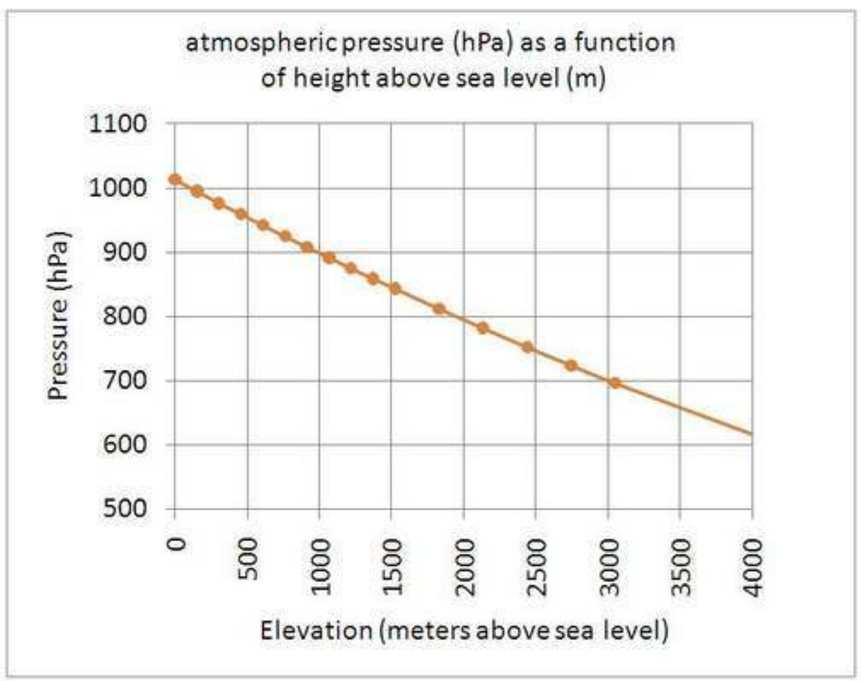
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters


FORECAST for 2010_07_30, local hour = 18
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
3000
2500
2000
1500
1000
500
0


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/23
PBLH ( ) AT HEIGHT: 1.000
250
500
750
1000
1250
1500
1750
2000


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/30/23
TPP3 ( ) AT HEIGHT: 1.000
2.00E-03
3.00E-03
4.00E-03
5.00E-03
6.00E-03
7.00E-03
8.00E-03
9.00E-03


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
0
500
1000
1500
2000
2500
3000
3500
4000

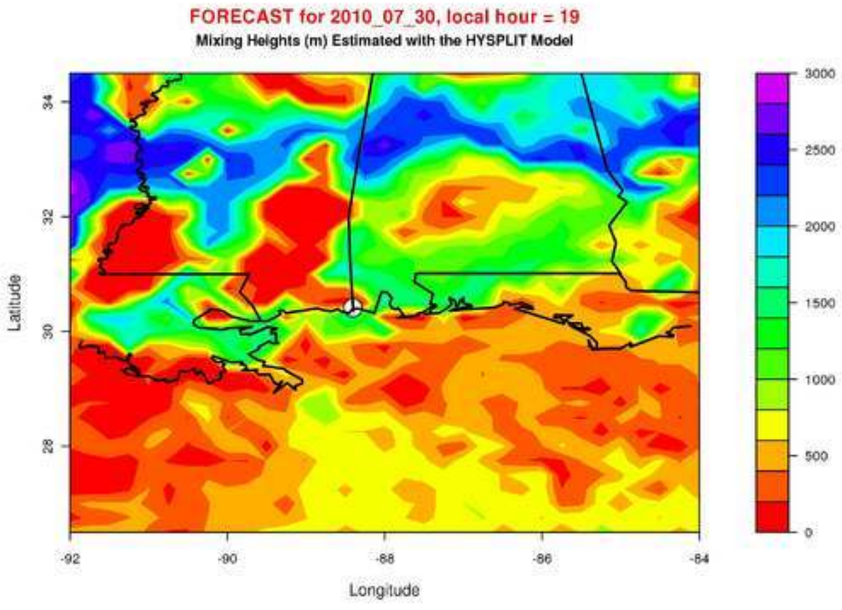
Meteorological Profile: hysplit.t00z.namsf

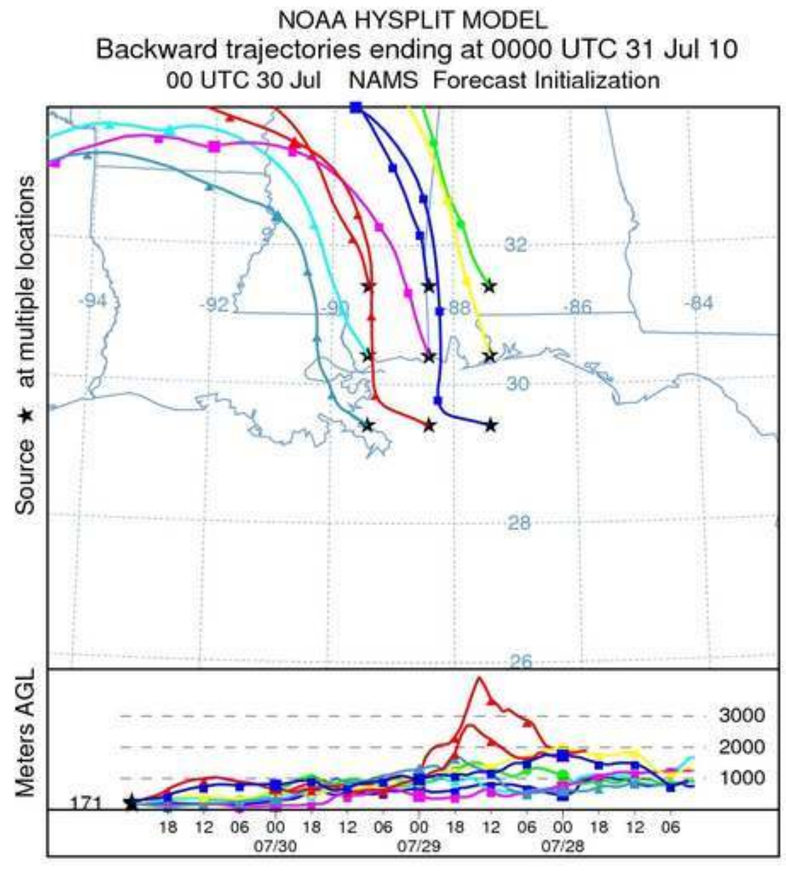
File start time : 10 7 30 0 0
File ending time: 10 8 1 0 0

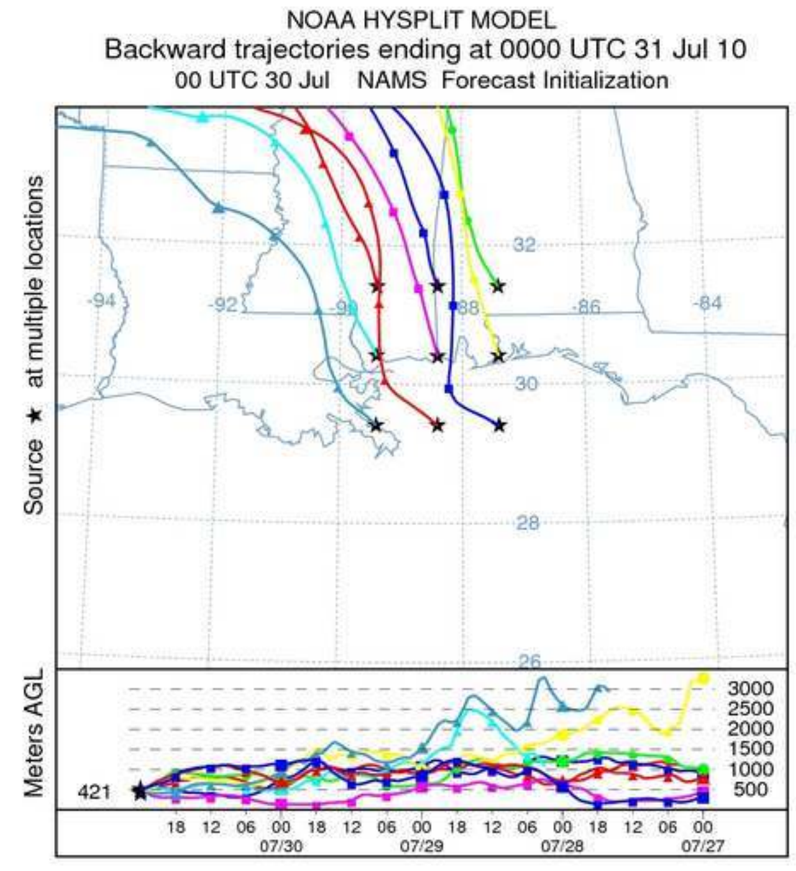
Profile Time: 10 7 30 23 0
Profile Location: 30.41 -88.40 (335,110)

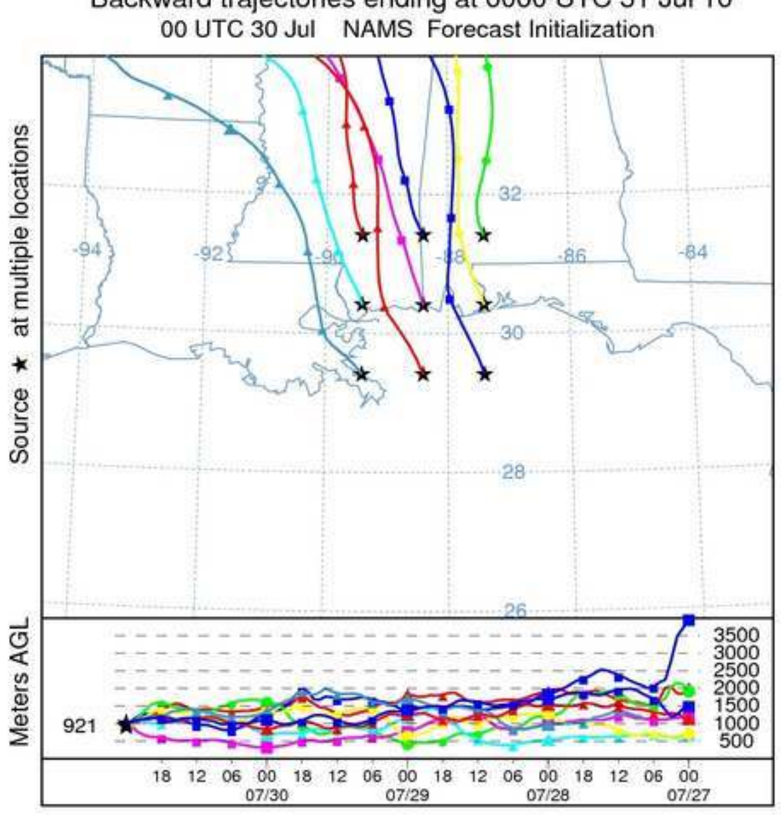
	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1012	0	1012	1E-3	33.1	65.5	4.3	-0.10	1012	108	-9.9	0.11	0	134	566

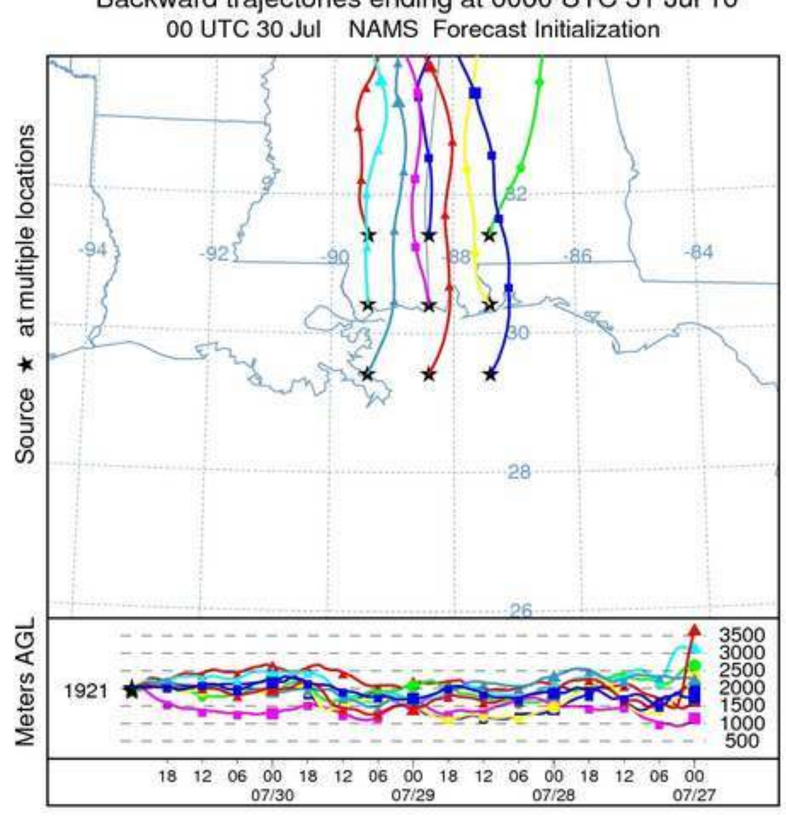
	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	UWND W->E	VWND S->N
1010	33.1	5.2	-0.35	-1.2	17.8	0.21	305.4	5.0	-1.6
1005	32.8	5.3	-0.76	-2.4	17.1	0.21	305.5	5.0	-2.0
1000	32.6	5.7	-1.1	-5.1	16.3	0.17	305.7	5.2	-2.5
995	32.4	5.6	-1.3	-8.7	16.0	0.17	306.0	5.1	-2.6
990	31.7	5.5	-2.0	-12.2	16.0	0.17	305.7	4.9	-3.3
985	31.5	5.1	-2.3	-12.7	15.2	0.17	306.0	4.4	-3.5
980	31.1	5.1	-3.1	-16.4	14.9	0.20	306.1	4.2	-4.2
975	30.7	4.8	-3.5	-15.9	14.8	0.20	306.1	3.9	-4.6
969	30.3	4.7	-4.0	-17.7	14.7	0.20	306.2	3.6	-5.0
963	29.8	4.0	-4.4	-17.5	14.6	0.20	306.2	2.8	-5.2
958	29.3	4.3	-4.7	-19.0	14.7	0.20	306.2	3.0	-5.6
951	28.7	3.9	-5.0	-19.5	14.6	0.20	306.2	2.6	-5.8
945	28.1	4.2	-5.0	-18.9	14.6	0.20	306.2	2.8	-5.9
938	27.5	4.2	-5.1	-20.5	14.5	0.20	306.2	2.9	-6.0
931	26.8	4.0	-5.1	-19.5	14.5	0.20	306.1	2.6	-5.9
924	26.0	4.0	-5.1	-23.5	14.4	0.20	306.1	2.6	-5.9
915	25.1	3.9	-5.2	-22.7	14.4	0.20	305.9	2.5	-5.9
894	22.7	3.8	-5.1	-19.9	14.4	0.20	305.5	2.4	-5.8
867	19.8	3.9	-5.2	-15.7	14.3	0.45	305.2	2.5	-6.0
836	16.8	3.5	-5.3	-7.1	13.2	0.32	305.3	2.1	-6.0
802	14.8	2.1	-5.5	3.5	11.7	0.20	306.7	0.7	-5.9
766	13.1	1.1	-5.0	14.1	10.0	0.17	309.0	-0.1	-5.2
727	11.0	0	-3.6	14.1	8.5	0.20	311.3	-0.9	-3.5
686	8.2	-1.7	-3.1	7.0	7.1	0.20	313.4	-2.4	-2.6
642	5.2	-2.5	-2.8	7.0	5.8	0.20	315.9	-3.1	-2.2
596	1.5	-2.6	-2.2	0	4.5	0.20	318.4	-3.0	-1.6
548	-1.4	-2.5	-2.0	0	4.5	0.20	322.7	-2.9	-1.4
500	-5.9	-2.4	-1.8	2.7	2.2	0.20	325.9	-2.8	-1.2
451	-11.5	-1.9	0.76	-3.5	1.3	0.20	328.6	-1.7	1.2
401	-17.5	-3.4	-1.8	-3.5	1.2	0.20	332.0	-3.7	-1.0
352	-24.1	-1.1	-6.0	0	0.32	0.19	335.7	-2.5	-5.6
303	-32.3	-4.5	-5.4	0	0.19	0.20	338.8	-5.6	-4.2
259	-40.8	-5.0	-6.0	-3.4	1E-1	0.20	342.1	-6.3	-4.6
220	-49.8	-1.6	-6.9	-5.5	1E-1	0.20	344.6	-3.2	-6.3
182	-61.3	0.71	-4.9	-5.3	3E-2	0.20	344.7	-0.5	-4.9
138	-71.8	-5.2	-2.8	0.67	1E-2	0.20	355.0	-5.8	-1.5
88	-66.1	-11.8	-4.1	-0.38	1E-2	0.20	415.2	-12.4	-1.2
63	-57.5	-11.9	-4.9	0.30	1E-2	0.20	476.1	-12.8	-1.9
38	-47.7	-23.9	-6.5	0.34	3E-2	0.20	576.0	-24.8	-0.5

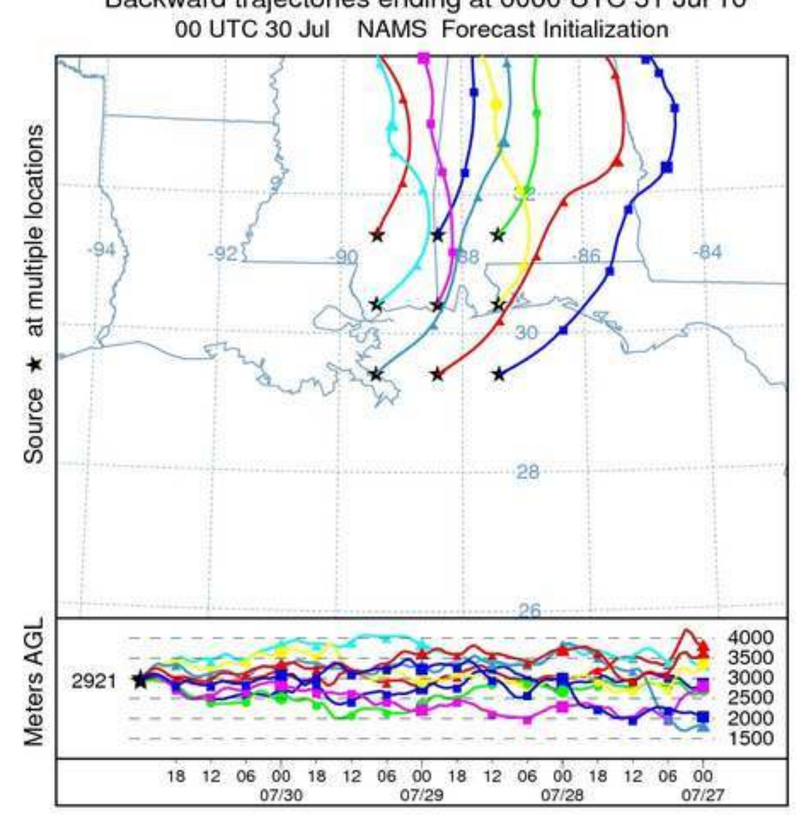

FORECAST for 2010_07_30, local hour = 19
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0


NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 31 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
3000
2000
1000
07/30
07/29
07/28

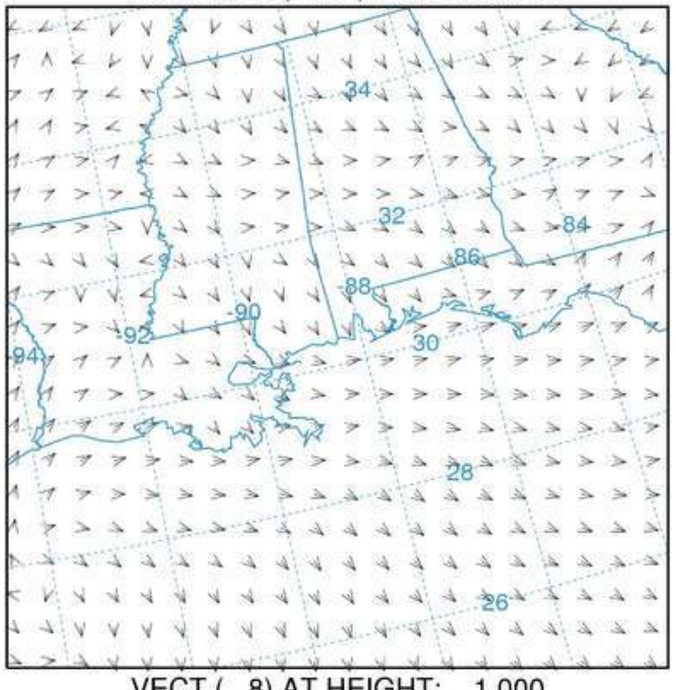

NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 31 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
3000
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 31 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
3500
3000
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 31 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
3500
3000
2500
2000
1500
1000
500
07/30
07/29
07/28
07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 31 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
4000
3500
3000
2500
2000
1500
07/30
07/29
07/28
07/27

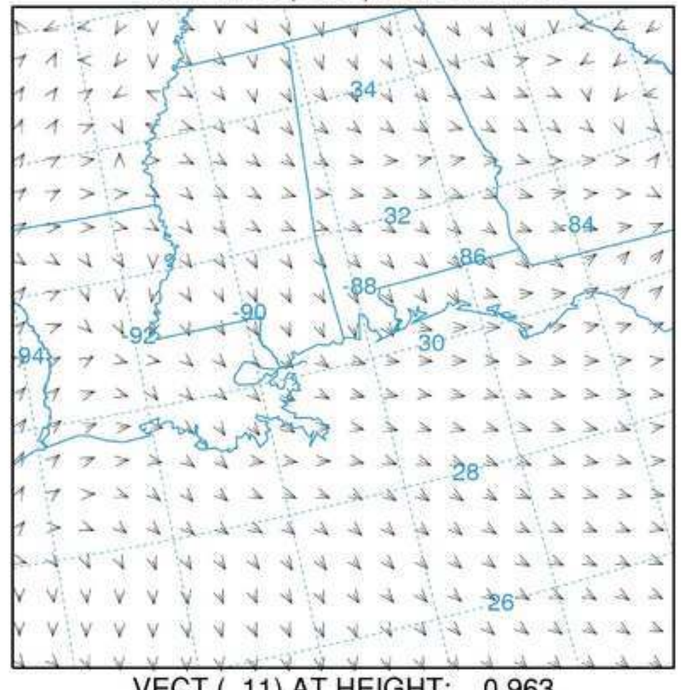
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/00



VECT (8) AT HEIGHT: 1.000

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

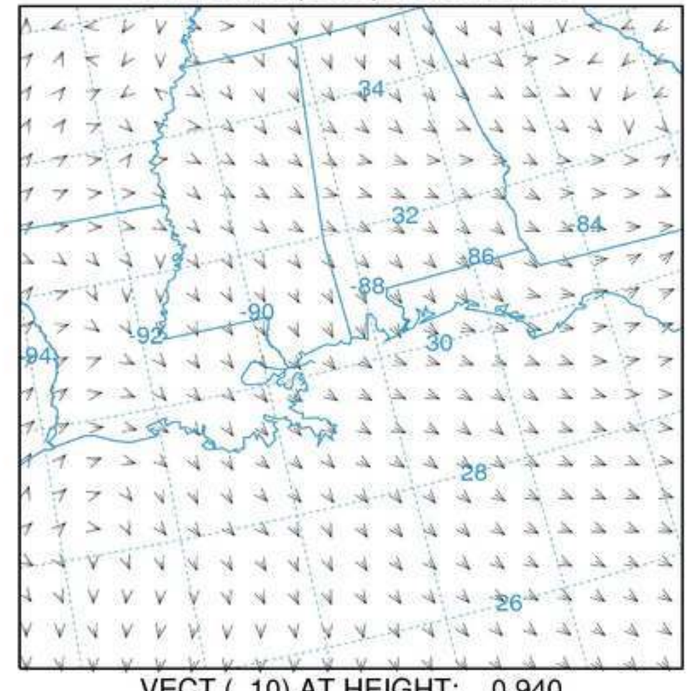
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/00



VECT (11) AT HEIGHT: 0.963

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

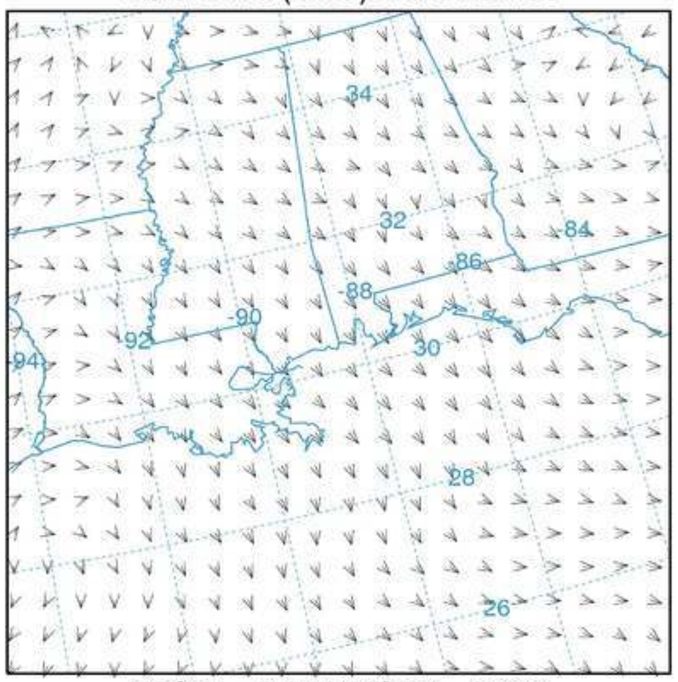
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/00



VECT (10) AT HEIGHT: 0.940

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

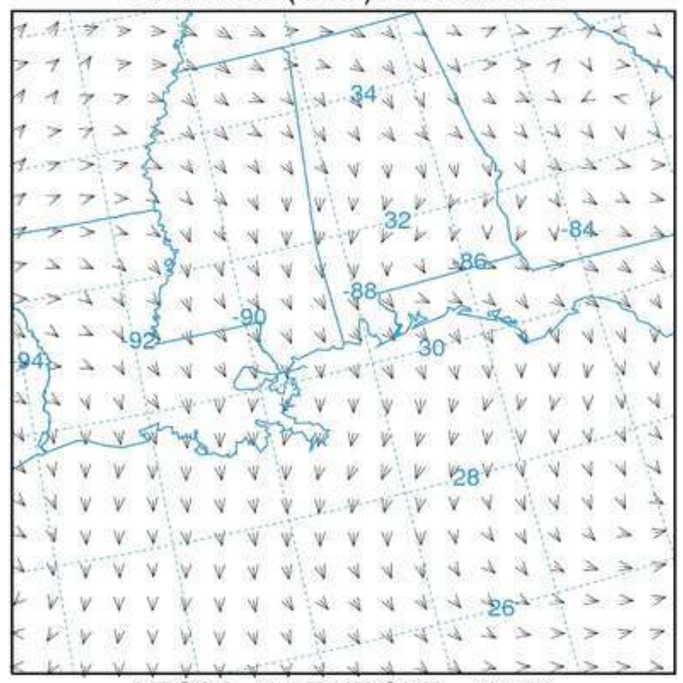
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/00



VECT (8) AT HEIGHT: 0.904

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

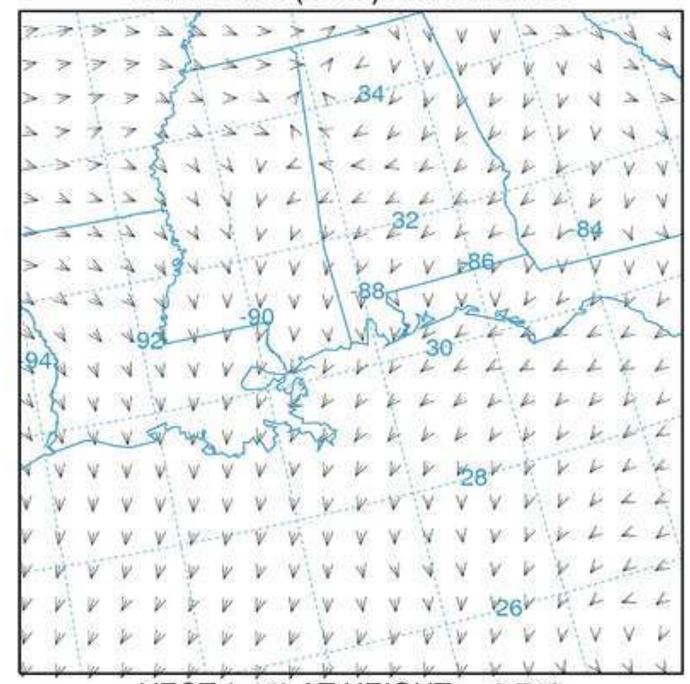
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/00



VECT (8) AT HEIGHT: 0.826

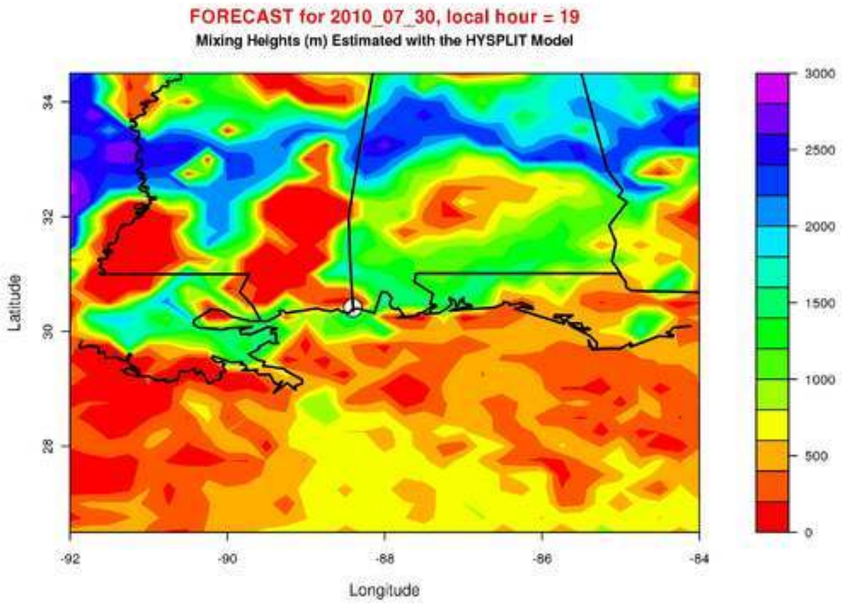
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

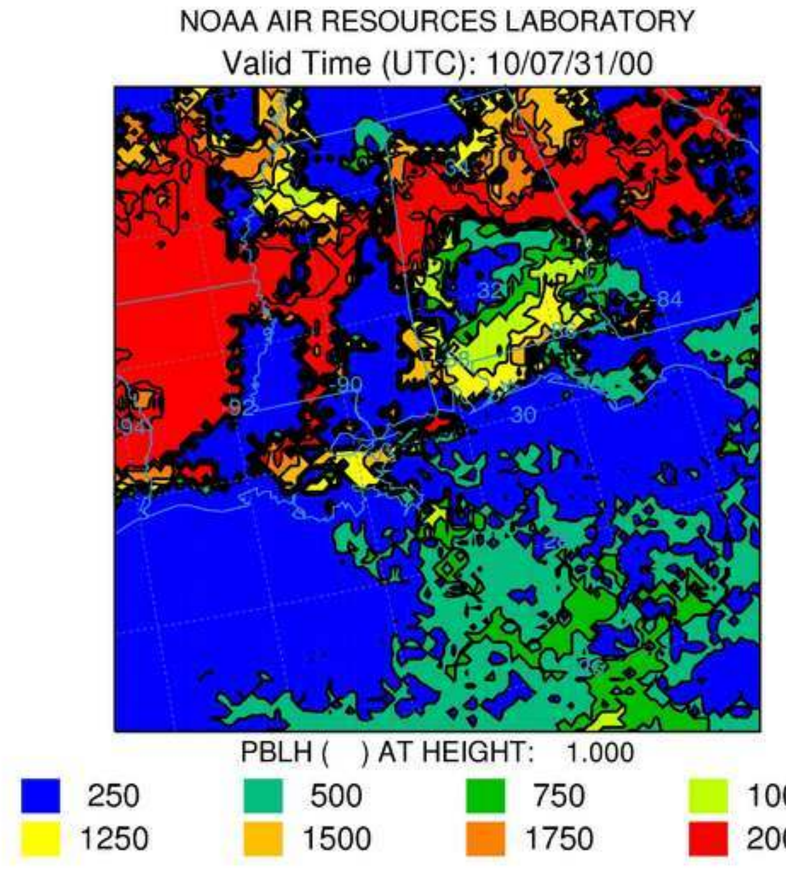
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/00

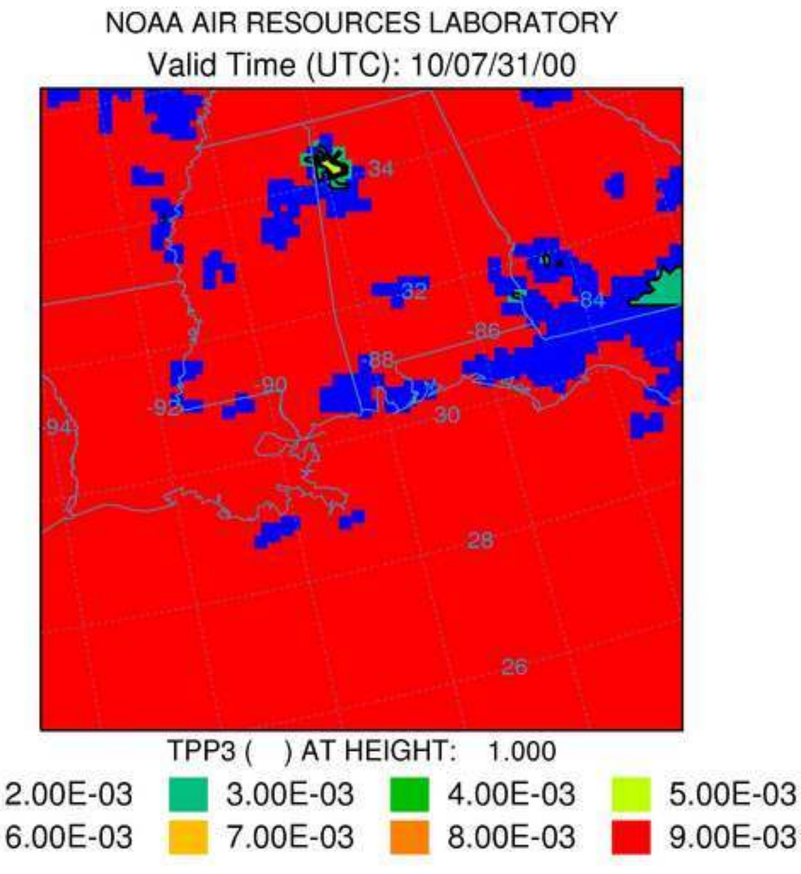


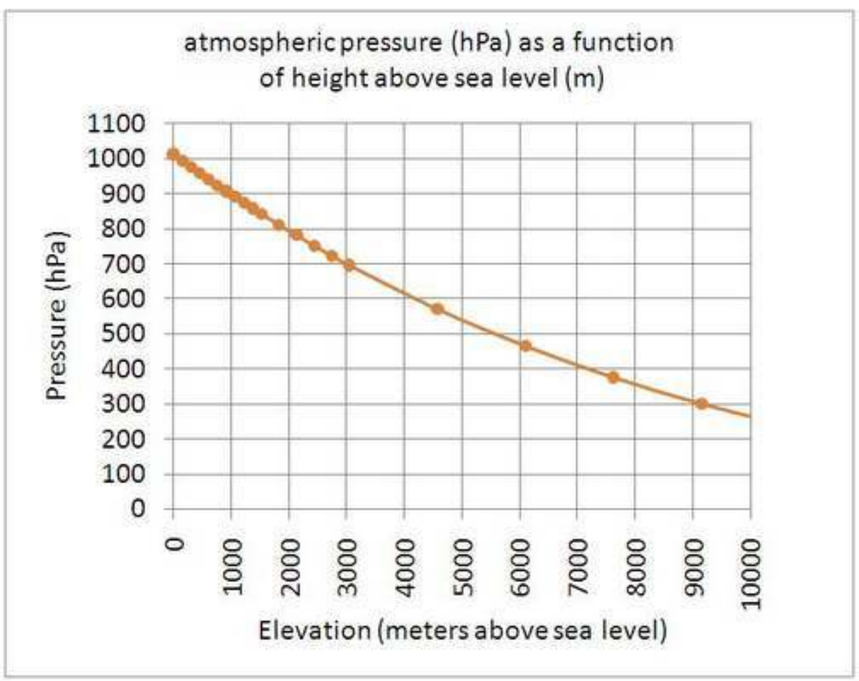
VECT (10) AT HEIGHT: 0.718

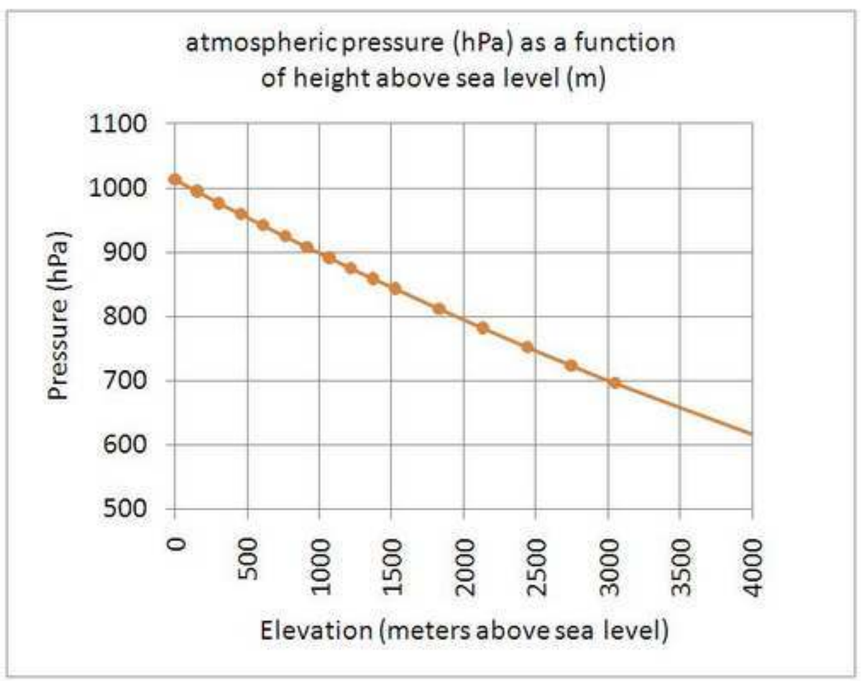
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters


FORECAST for 2010_07_30, local hour = 19
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
3000
2500
2000
1500
1000
500
0


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/00
PBLH ( ) AT HEIGHT: 1.000
250
500
750
1000
1250
1500
1750
2000


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/00
TPP3 ( ) AT HEIGHT: 1.000
2.00E-03
3.00E-03
4.00E-03
5.00E-03
6.00E-03
7.00E-03
8.00E-03
9.00E-03


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
1100
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
Elevation (meters above sea level)


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
1100
1000
900
800
700
600
500
0
500
1000
1500
2000
2500
3000
3500
4000
Elevation (meters above sea level)

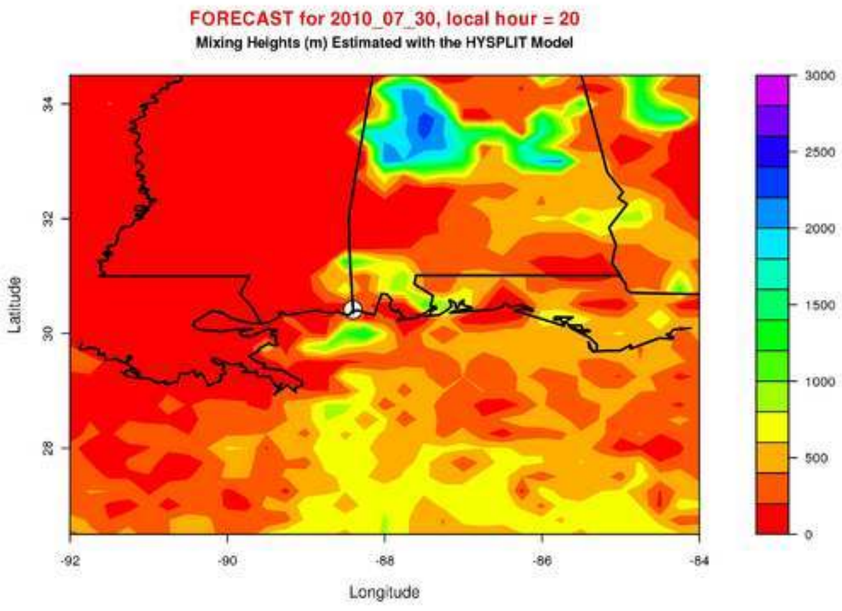
Meteorological Profile: hysplit.t00z.namsf

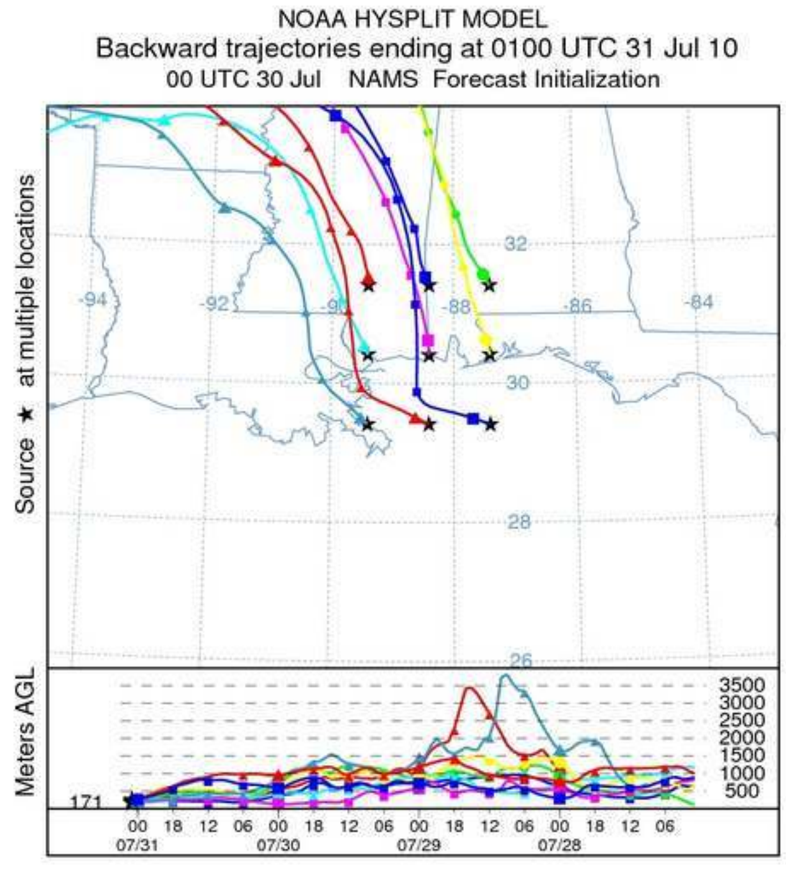
File start time : 10 7 30 0 0
File ending time: 10 8 1 0 0

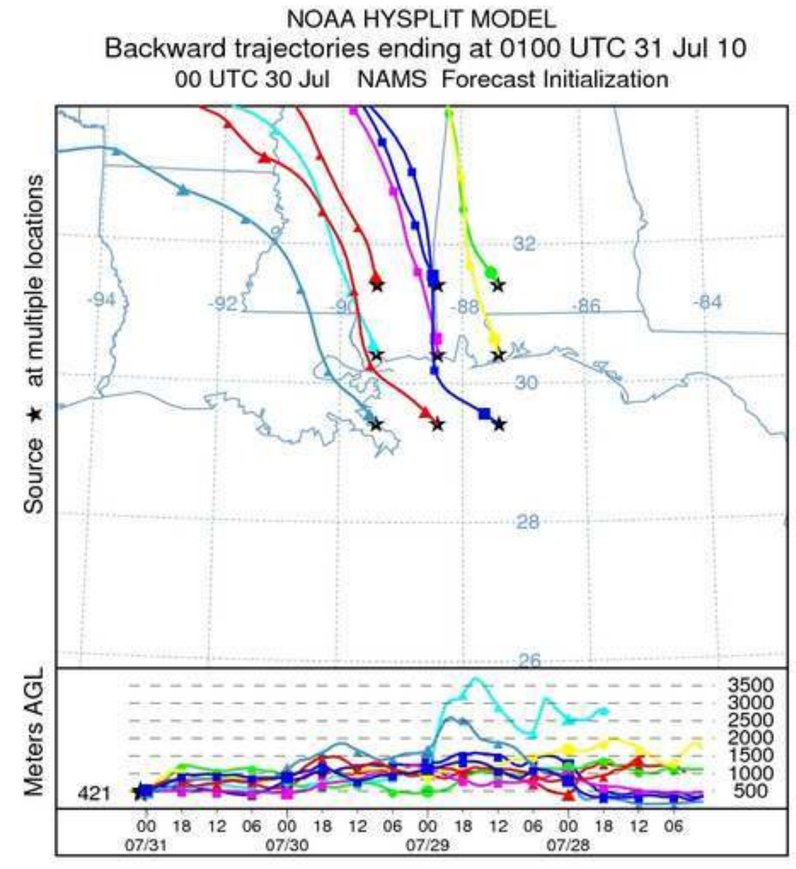
Profile Time: 10 7 31 0 0
Profile Location: 30.41 -88.40 (335,110)

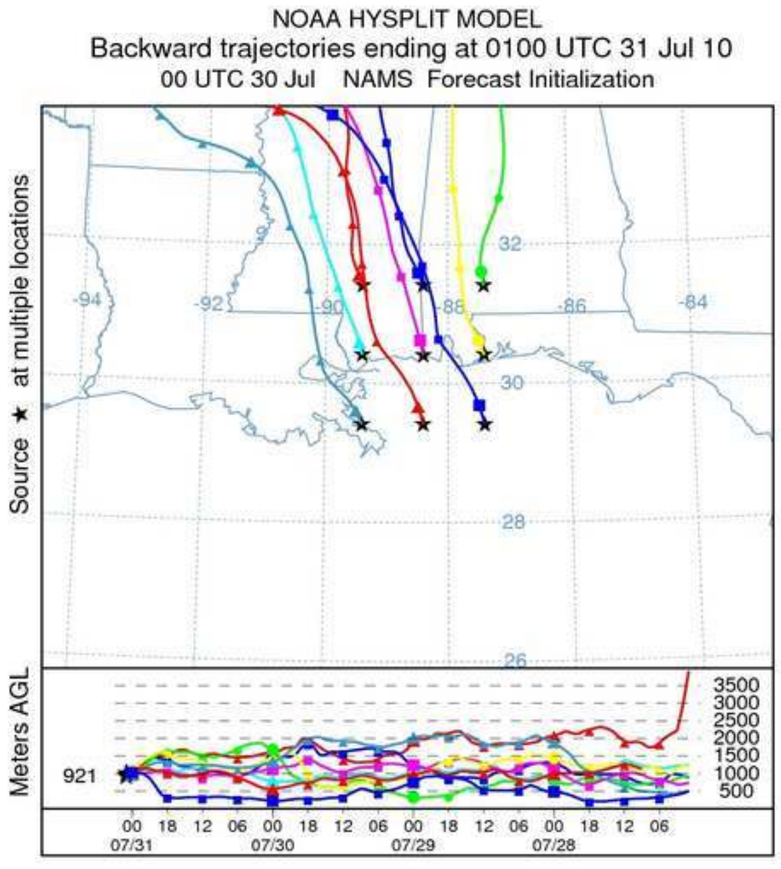
	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1011	0	1012	2E-3	32.7	71.5	3.3	-1.8	1011	86.2	-7.5	1E-1	0	115	60.8

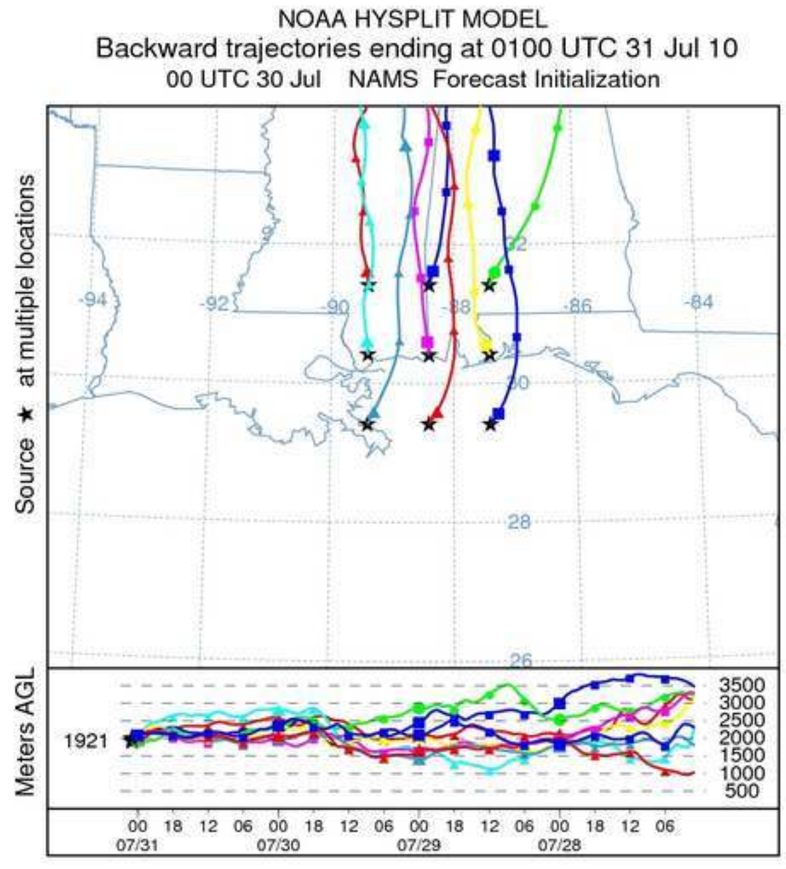
	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	UWND W->E	VWND S->N
1009	32.7	3.8	-2.7	0	18.4	0.18	305.1	3.1	-3.6
1004	32.6	4.0	-3.3	-2.8	17.0	0.22	305.4	3.1	-4.2
999	32.4	4.1	-3.7	-4.9	16.2	0.15	305.6	3.1	-4.6
994	32.2	3.5	-4.2	-5.3	15.6	0.15	305.8	2.4	-4.9
989	31.8	3.5	-4.7	-6.7	15.5	0.15	305.9	2.2	-5.4
984	31.3	3.5	-5.2	-9.0	15.2	0.15	305.9	2.1	-5.8
979	30.8	3.3	-5.4	-11.1	15.0	0.15	305.8	1.9	-6.0
974	30.4	3.4	-5.9	-11.0	14.9	0.20	305.9	1.9	-6.5
968	29.9	3.1	-6.0	-13.9	14.9	0.17	305.9	1.6	-6.5
963	29.4	3.0	-6.3	-15.7	14.8	0.17	305.9	1.4	-6.8
957	28.9	3.3	-6.3	-16.2	14.8	0.17	305.9	1.7	-6.9
951	28.4	3.2	-6.5	-18.1	14.7	0.18	306.0	1.5	-7.1
944	27.7	3.3	-6.5	-18.2	14.7	0.18	305.9	1.7	-7.2
938	27.2	3.2	-6.4	-17.8	14.7	0.20	305.9	1.5	-7.0
930	26.7	3.2	-6.3	-20.8	14.7	0.20	306.1	1.6	-6.9
923	25.9	3.3	-6.3	-20.4	14.6	0.20	306.0	1.7	-6.9
914	25.0	3.4	-6.2	-21.1	14.6	0.20	305.9	1.8	-6.8
893	22.6	3.6	-5.8	-16.0	14.5	0.20	305.5	2.1	-6.5
866	19.9	3.3	-5.8	-10.2	14.3	0.20	305.4	1.8	-6.5
835	17.1	3.4	-5.6	0	13.3	0.20	305.6	1.9	-6.3
801	15.4	2.3	-5.6	14.1	11.4	0.20	307.5	0.9	-6.0
765	13.9	1.5	-5.1	21.1	9.8	0.20	309.9	0.2	-5.3
726	11.5	0.63	-3.5	21.1	8.2	0.20	312.0	-0.2	-3.6
685	8.9	-1.5	-2.8	7.0	6.8	0.20	314.2	-2.2	-2.4
642	5.7	-1.8	-2.4	7.0	5.5	0.20	316.6	-2.3	-1.9
596	1.8	-2.2	-2.4	0	4.4	0.20	318.9	-2.7	-1.8
548	-1.4	-2.4	-1.3	0	3.9	0.20	322.8	-2.6	-0.6
499	-5.7	-2.9	-0.98	3.5	2.4	0.20	326.3	-3.0	-0.3
450	-11.5	-1.9	2.2	3.5	1.2	0.20	328.7	-1.3	2.6
401	-17.6	-2.8	-1.6	0	1.6	0.20	331.9	-3.1	-0.9
351	-24.2	-1.1	-6.0	0	0.26	0.19	335.7	-2.5	-5.5
303	-32.4	-4.0	-4.4	-3.5	0.21	0.20	338.7	-5.0	-3.3
258	-40.9	-5.7	-6.1	-7.0	0.11	0.20	342.0	-7.0	-4.6
219	-50.0	-3.4	-7.0	-5.7	1E-1	0.20	344.3	-5.0	-5.9
182	-61.7	-0.32	-6.1	-4.4	3E-2	0.20	344.2	-1.8	-5.8
137	-71.5	-4.9	-3.8	-0.75	1E-2	0.20	355.6	-5.7	-2.5
88	-66.0	-10.3	-4.1	0.31	1E-2	0.20	415.4	-11.0	-1.5
63	-57.4	-13.1	-6.4	0.15	1E-2	0.20	476.4	-14.2	-3.0
38	-47.5	-23.5	-7.2	0.52	3E-2	0.20	576.7	-24.6	-1.4

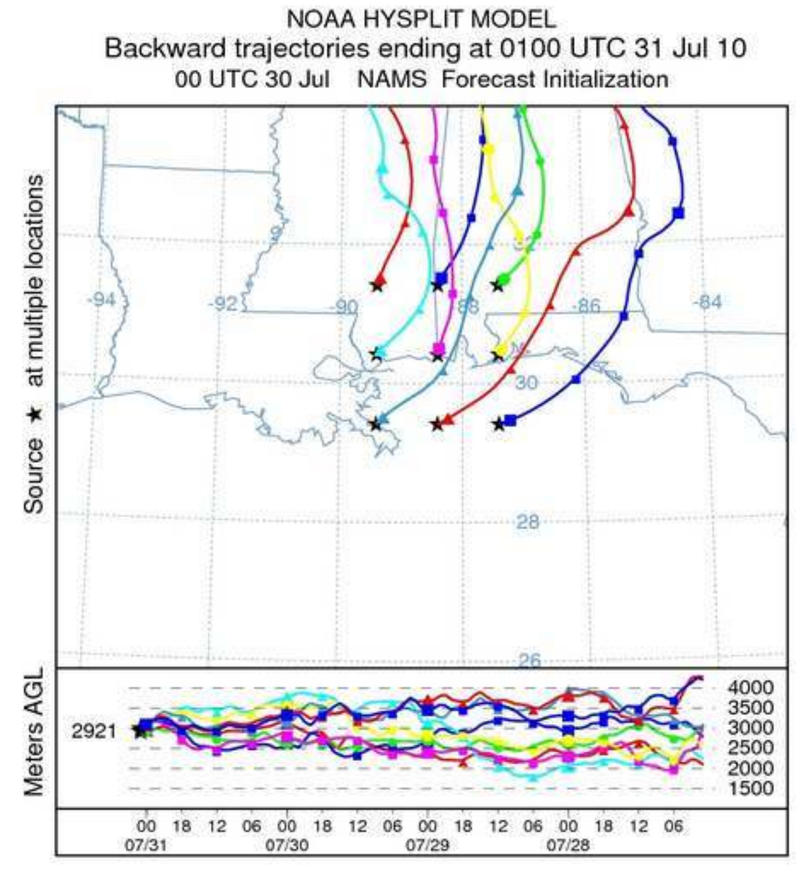

FORECAST for 2010_07_30, local hour = 20
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 31 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
171
07/31
07/30
07/29
07/28

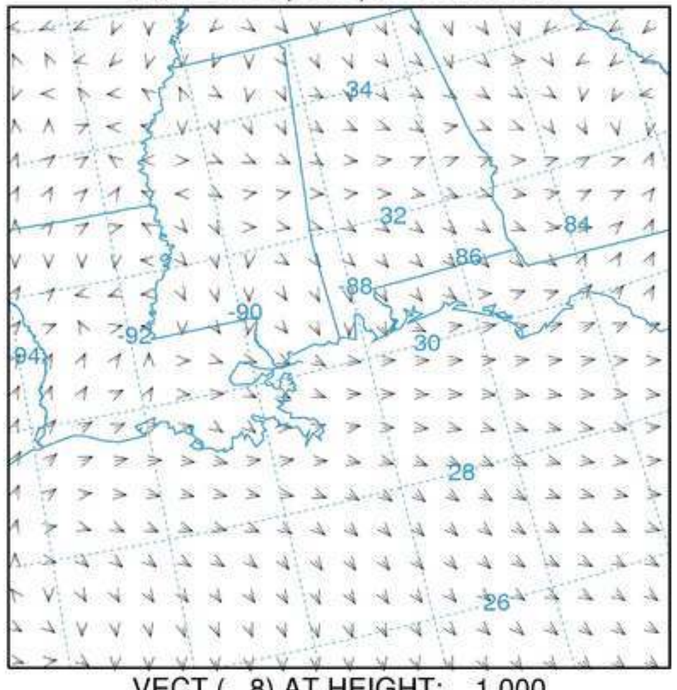

NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 31 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
421
07/31
07/30
07/29
07/28


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 31 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
921
07/31
07/30
07/29
07/28


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 31 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1921
07/31
07/30
07/29
07/28


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 31 Jul 10
00 UTC 30 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2921
07/31
07/30
07/29
07/28

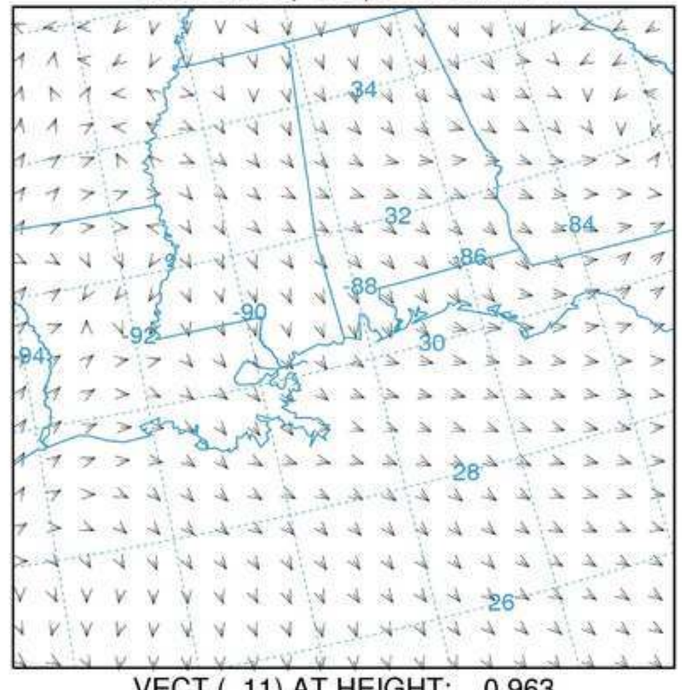
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/01



VECT (8) AT HEIGHT: 1.000

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

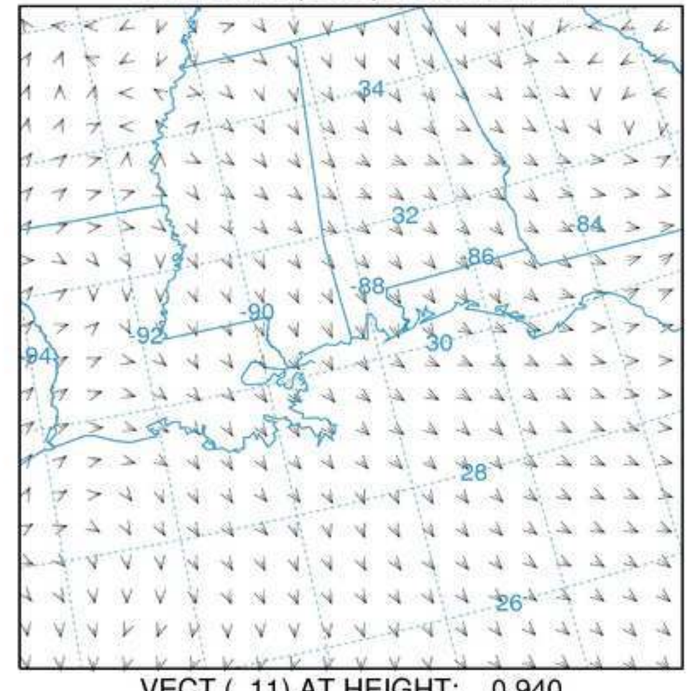
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/01



VECT (11) AT HEIGHT: 0.963

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

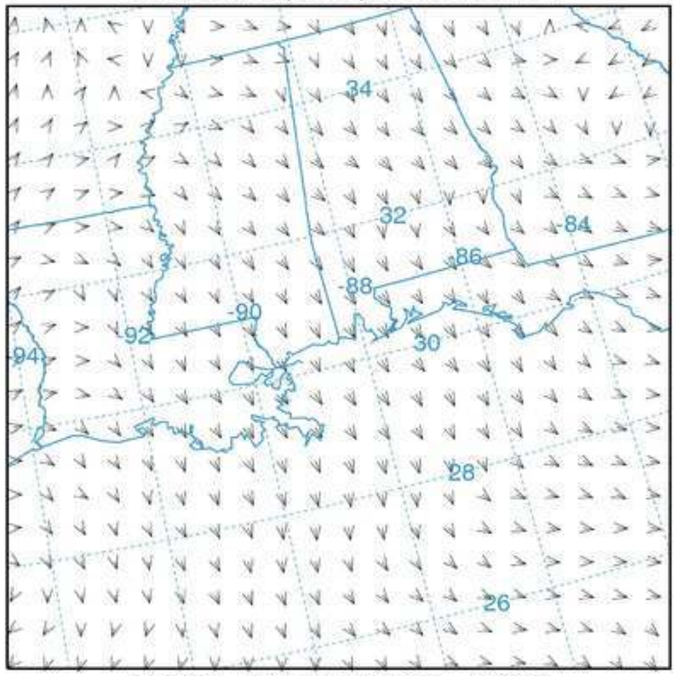
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/01



VECT (11) AT HEIGHT: 0.940

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

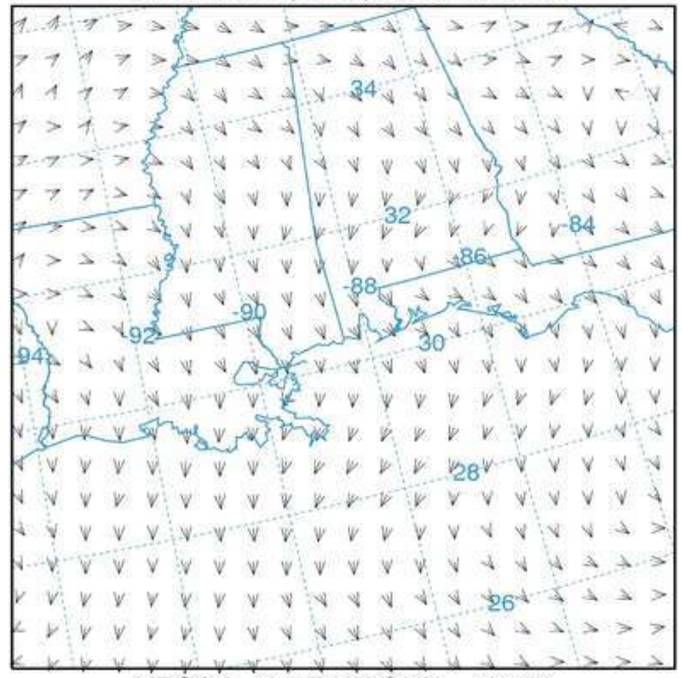
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/01



VECT (9) AT HEIGHT: 0.904

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

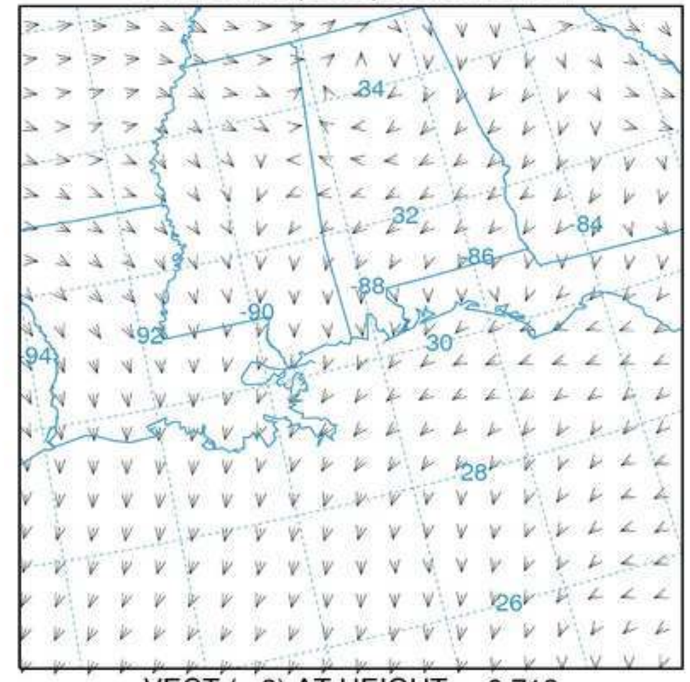
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/01



VECT (8) AT HEIGHT: 0.826

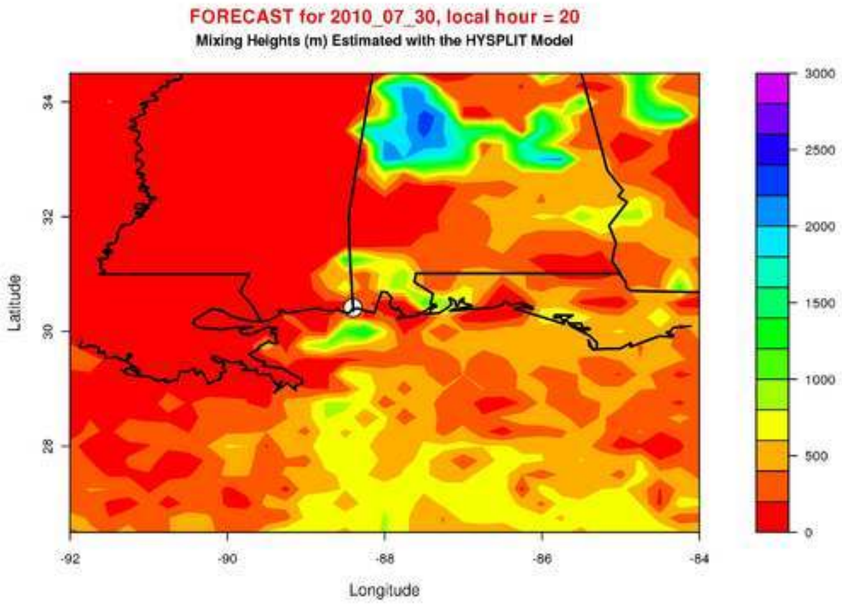
Wind direction data for NAMS vertical level 21, corresponding to a height of ~2000 meters

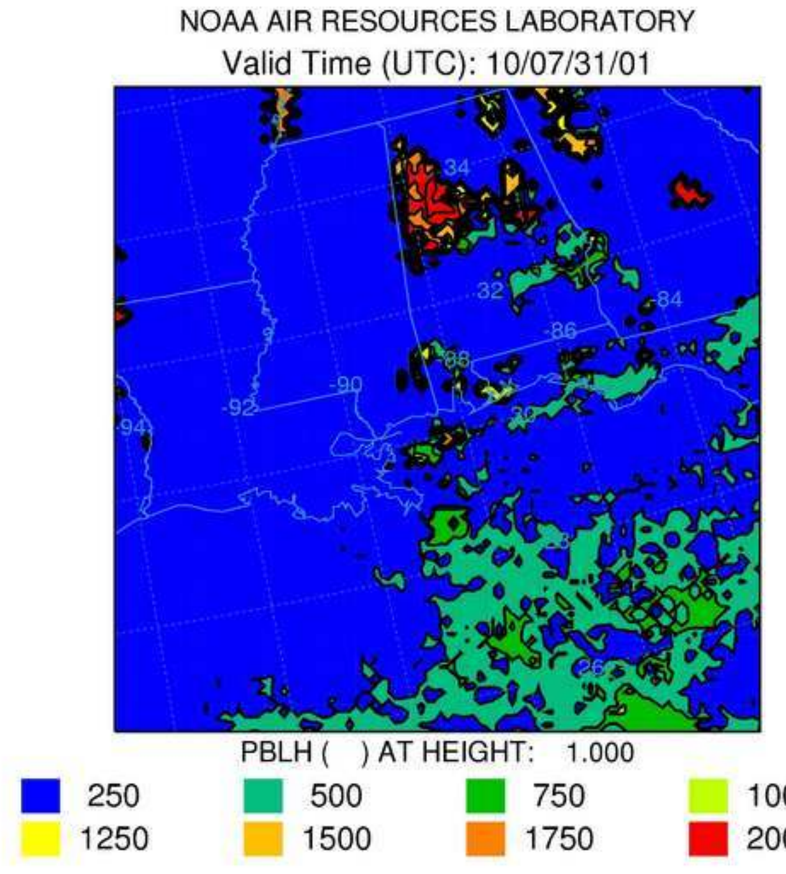
NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/01

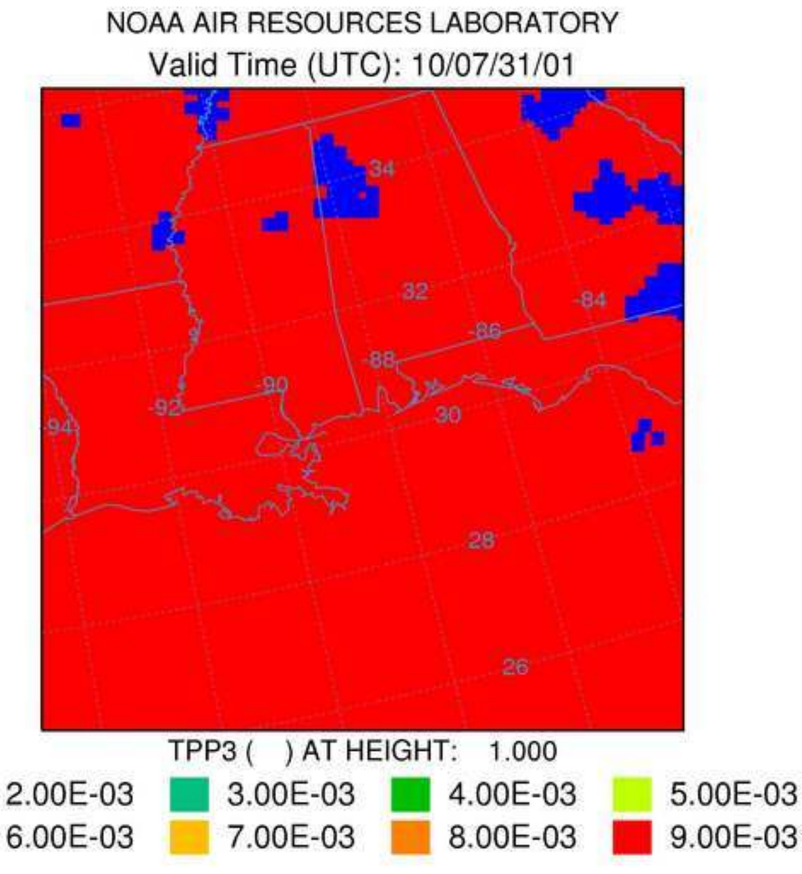


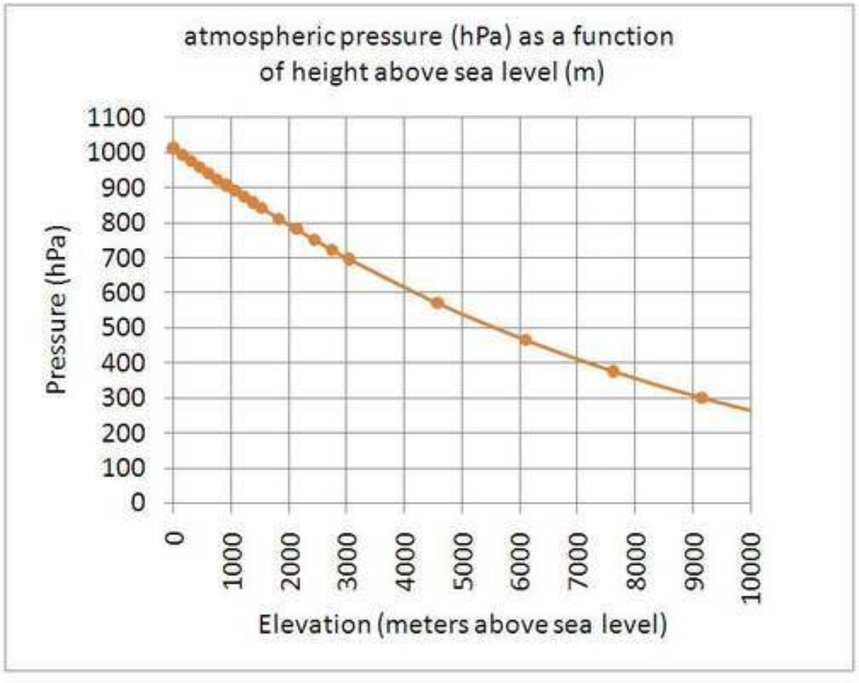
VECT (9) AT HEIGHT: 0.718

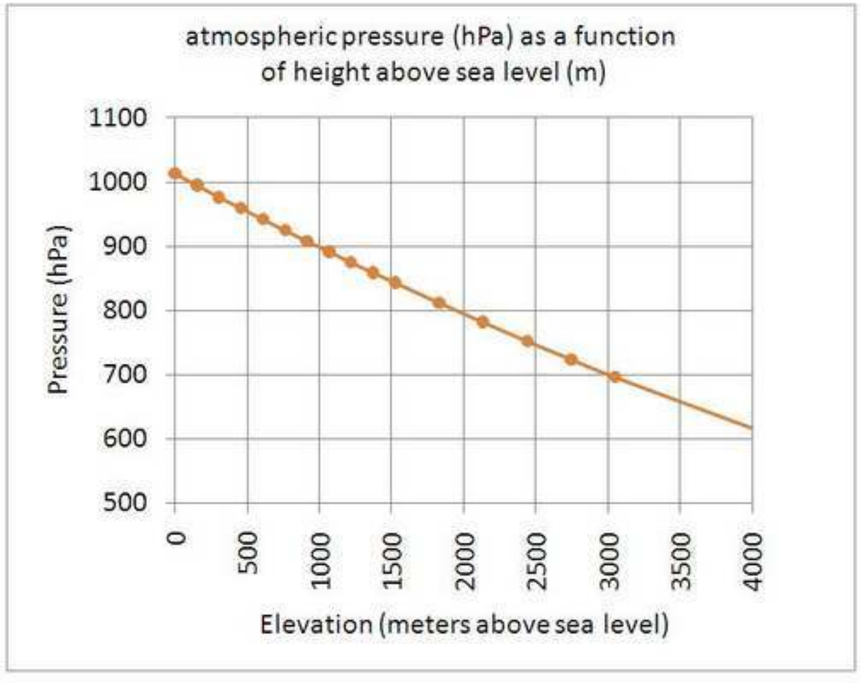
Wind direction data for NAMS vertical level 24, corresponding to a height of ~3000 meters


FORECAST for 2010_07_30, local hour = 20
Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
3000
2500
2000
1500
1000
500
0


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/01
PBLH ( ) AT HEIGHT: 1.000
250
500
750
1000
1250
1500
1750
2000


NOAA AIR RESOURCES LABORATORY
Valid Time (UTC): 10/07/31/01
TPP3 ( ) AT HEIGHT: 1.000
2.00E-03
3.00E-03
4.00E-03
5.00E-03
6.00E-03
7.00E-03
8.00E-03
9.00E-03


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000


atmospheric pressure (hPa) as a function of height above sea level (m)
Pressure (hPa)
Elevation (meters above sea level)
1100
1000
900
800
700
600
500
0
500
1000
1500
2000
2500
3000
3500
4000

Meteorological Profile: hysplit.t00z.namsf

File start time : 10 7 30 0 0
File ending time: 10 8 1 0 0

Profile Time: 10 7 31 1 0
Profile Location: 30.41 -88.40 (335,110)

	SHGT	MSLP	TPP3	T02M	RH2M	U10M	V10M	PRSS hPa	LHTF	SHTF	USTR	RGHS	DSWF	PBLH
1011	0	1012	0	32.1	75.6	2.1	-3.1	1011	86.2	0	0.11	0	0	59.9

	TEMP oC	UWND m/s	VWND m/s	WWND mb/h	SPHU g/kg	TKEN	TPOT oK	UWND W->E	VWND S->N
1008	32.1	2.0	-4.3	0	18.9	0.22	304.5	0.9	-4.6
1003	32.2	1.9	-5.1	0	17.9	0.20	305.0	0.6	-5.4
999	31.8	1.8	-5.8	-2.9	17.1	0.15	305.1	0.4	-6.0
994	31.6	1.2	-6.2	-1.8	16.7	0.15	305.3	-0.3	-6.3
989	31.1	1.2	-6.4	-3.2	16.3	0.15	305.3	-0.4	-6.5
984	31.0	1.2	-6.9	-5.0	15.9	0.15	305.6	-0.5	-7.0
978	30.5	1.2	-7.2	-5.9	15.7	0.17	305.6	-0.5	-7.3
973	29.9	1.5	-7.2	-7.8	15.5	0.30	305.4	-0.3	-7.4
968	29.5	1.4	-7.4	-6.3	15.2	0.15	305.6	-0.4	-7.5
962	29.1	1.9	-7.4	-7.4	15.1	0.15	305.6	0.0	-7.6
956	28.5	1.8	-7.5	-6.5	15.1	0.40	305.5	-0.1	-7.7
950	27.9	1.8	-7.5	-9.6	14.9	0.30	305.5	-0.1	-7.7
944	27.5	1.8	-7.3	-7.0	14.8	0.30	305.7	0.0	-7.6
937	26.9	2.1	-7.3	-10.5	14.7	0.30	305.7	0.3	-7.6
930	26.2	2.2	-7.2	-10.5	14.6	0.30	305.7	0.4	-7.6
922	25.5	2.6	-7.1	-10.5	14.6	0.30	305.6	0.8	-7.6
914	24.5	2.4	-6.9	-10.5	14.3	0.20	305.5	0.7	-7.3
892	22.4	2.7	-6.3	-5.8	14.5	0.20	305.4	1.1	-6.8
865	19.8	2.5	-5.6	-3.5	13.9	0.20	305.3	1.1	-6.0
835	17.7	2.4	-5.6	0	12.6	0.20	306.3	0.9	-6.0
801	16.1	2.0	-6.3	0	10.8	0.20	308.3	0.4	-6.6
765	14.2	1.2	-5.7	0	9.6	0.20	310.3	-0.2	-5.8
726	11.8	0.56	-3.3	0	8.2	0.20	312.3	-0.3	-3.4
685	9.1	-0.60	-2.6	0	6.9	0.20	314.5	-1.2	-2.4
641	5.7	-1.4	-2.8	0	5.6	0.20	316.7	-2.0	-2.4
595	1.6	-1.6	-2.9	0	4.6	0.20	318.8	-2.3	-2.4
548	-1.6	-2.0	-0.94	-3.5	4.0	0.20	322.6	-2.1	-0.4
499	-5.8	-2.6	0	0	2.5	0.20	326.2	-2.5	0.6
450	-11.6	-1.4	2.7	0	1.2	0.20	328.6	-0.7	3.0
401	-17.7	-2.6	-1.5	3.5	1.5	0.20	331.8	-2.9	-0.8
351	-24.3	-1.7	-5.6	3.5	0.35	0.19	335.7	-3.0	-5.1
303	-32.5	-4.1	-5.1	5.7	0.24	0.20	338.6	-5.2	-4.0
258	-40.9	-6.0	-5.0	3.5	0.13	0.20	342.0	-7.0	-3.4
219	-50.3	-4.8	-5.8	0	1E-1	0.20	344.0	-6.0	-4.5
182	-61.9	-1.3	-5.1	0	3E-2	0.20	343.9	-2.5	-4.6
137	-71.8	-4.5	-4.3	-0.88	1E-2	0.20	355.3	-5.4	-3.1
88	-66.1	-10.0	-4.1	-0.13	1E-2	0.20	415.3	-10.7	-1.5
63	-57.6	-14.3	-6.4	-0.68	1E-2	0.20	476.0	-15.5	-2.8
38	-47.1	-22.8	-7.6	-0.55	3E-2	0.20	577.7	-23.9	-1.9