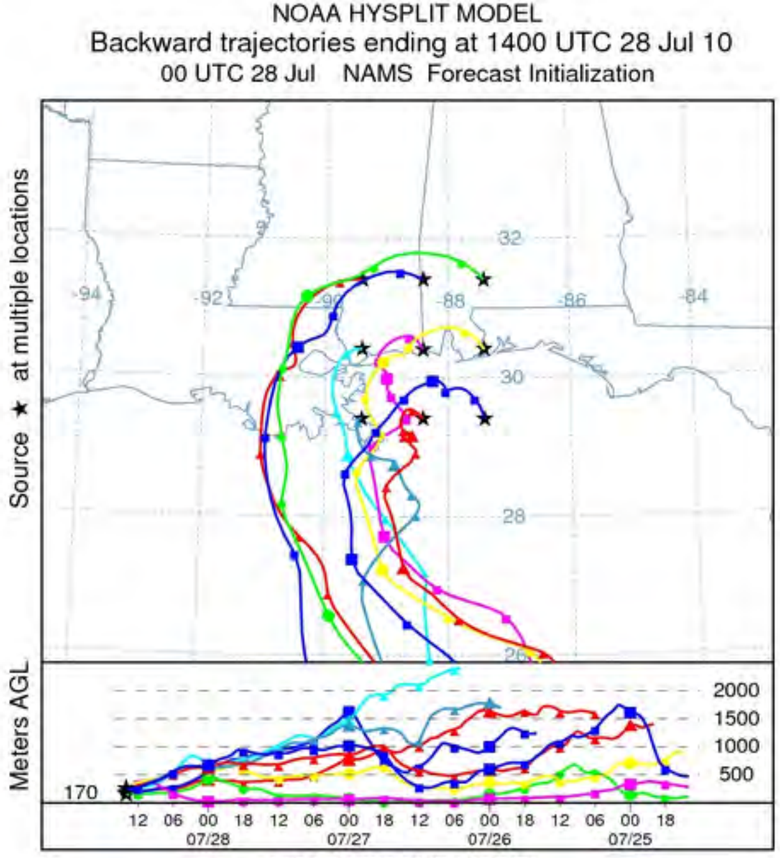
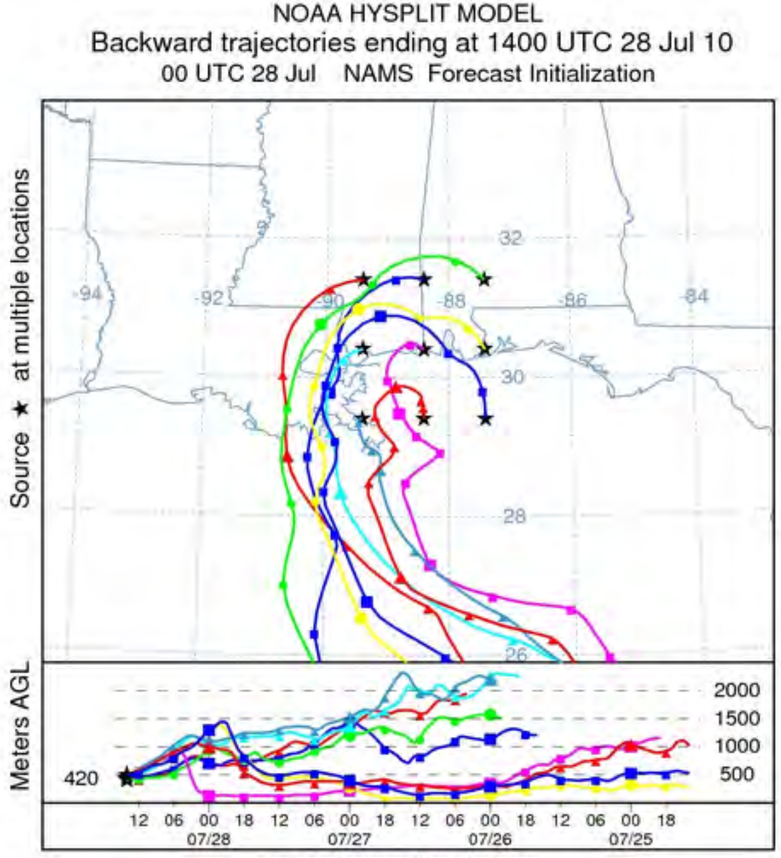
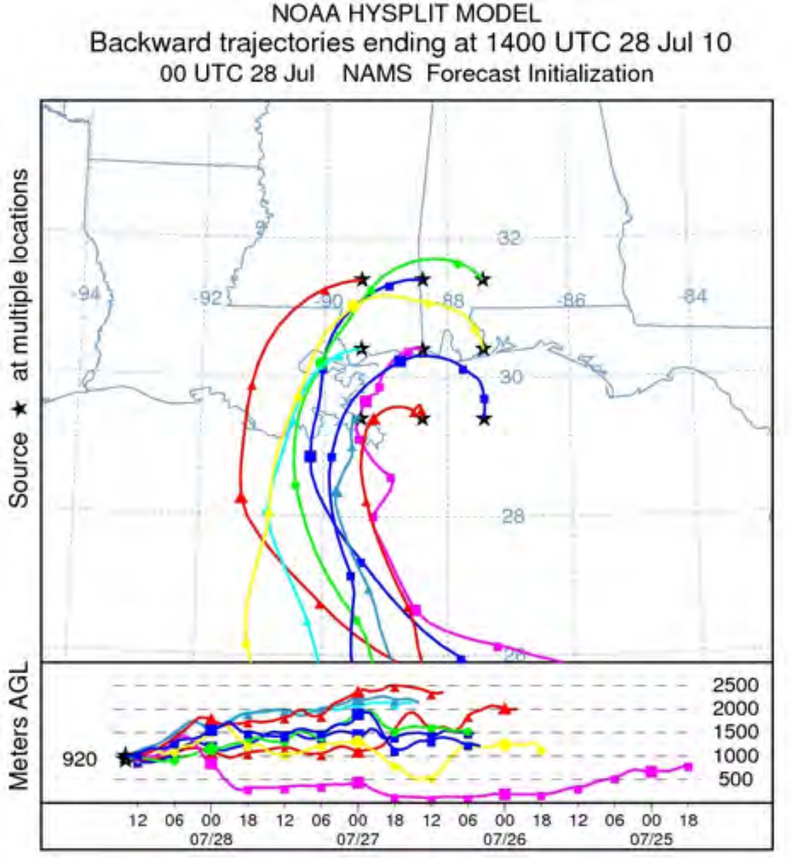
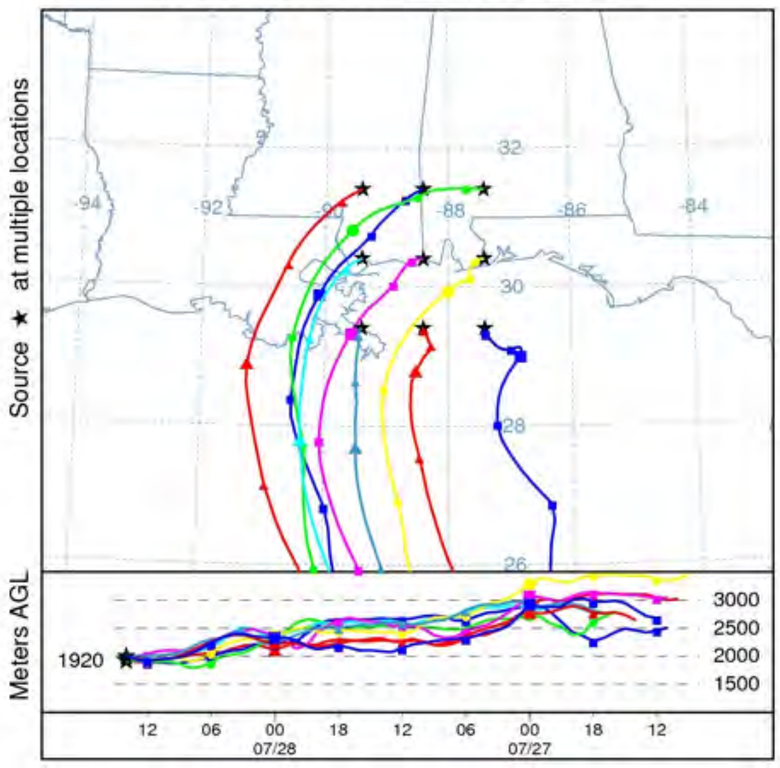
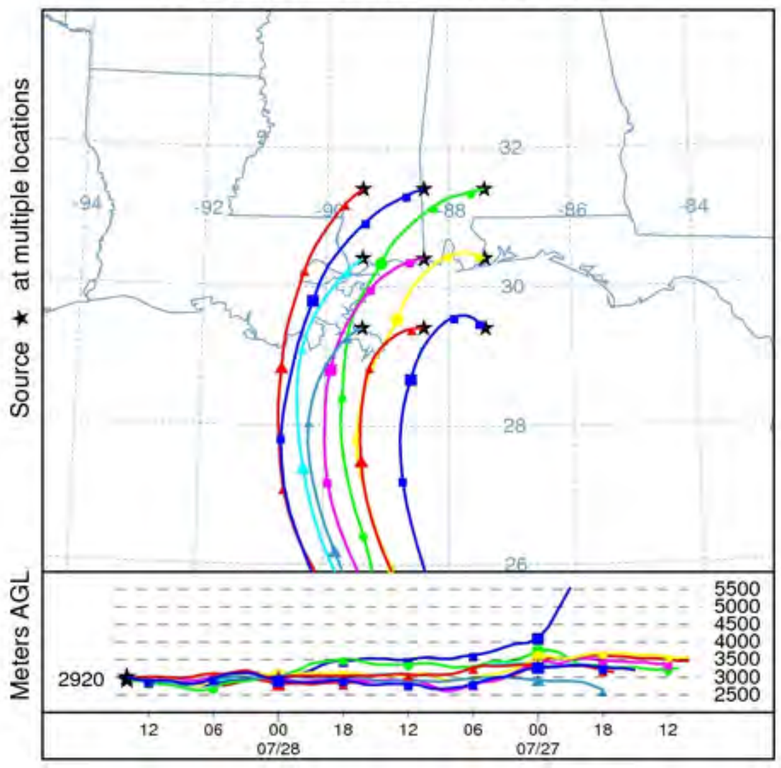
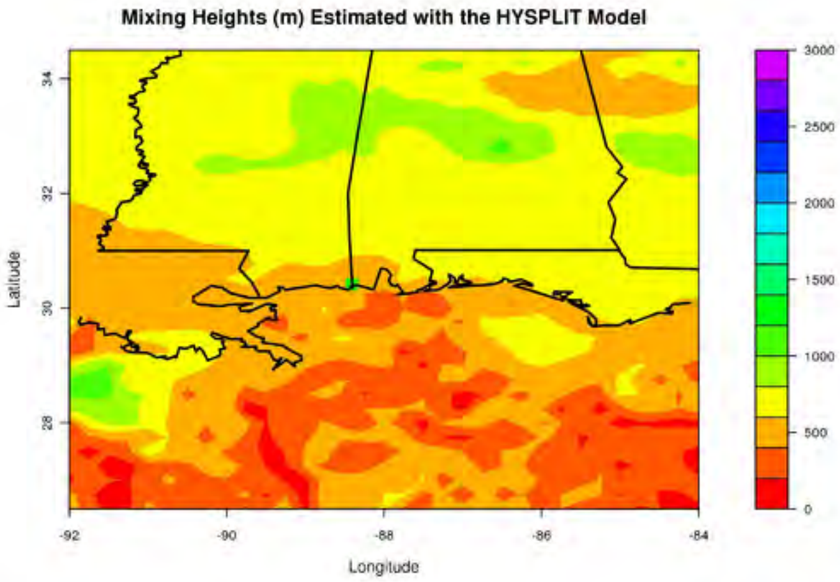

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2000
1500
1000
500
170
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
07/28 07/27 07/26 07/25

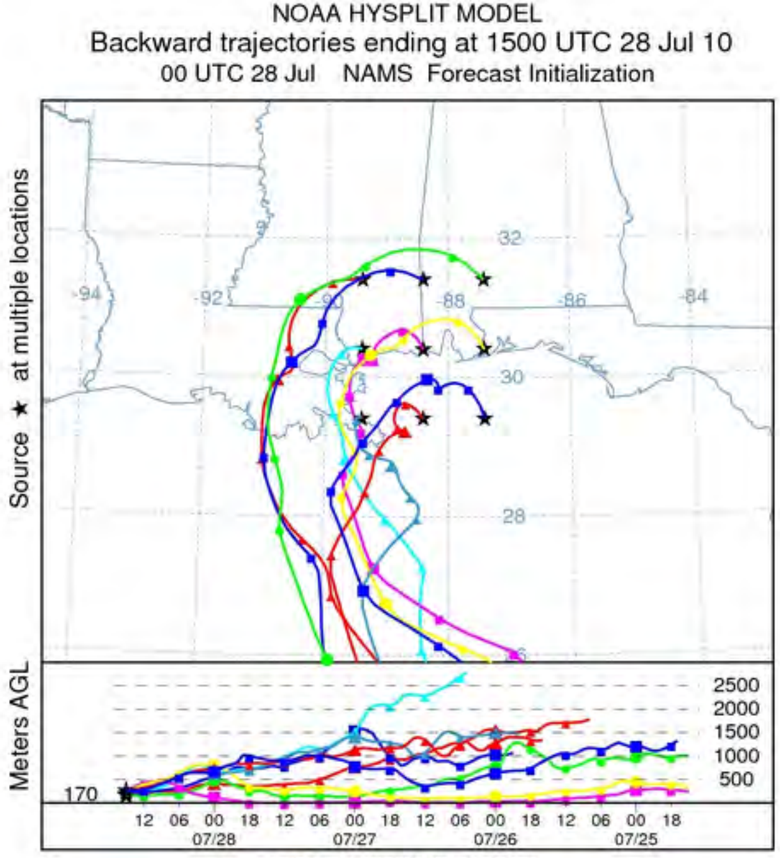

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2000
1500
1000
500
420
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
07/28 07/27 07/26 07/25

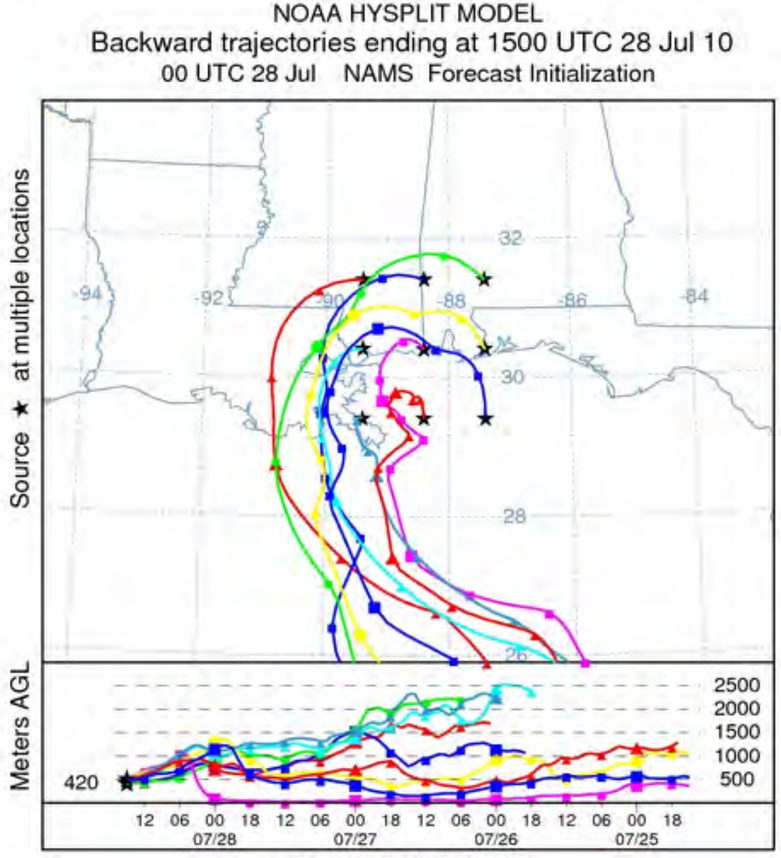

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2500
2000
1500
1000
500
920
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
07/28 07/27 07/26 07/25

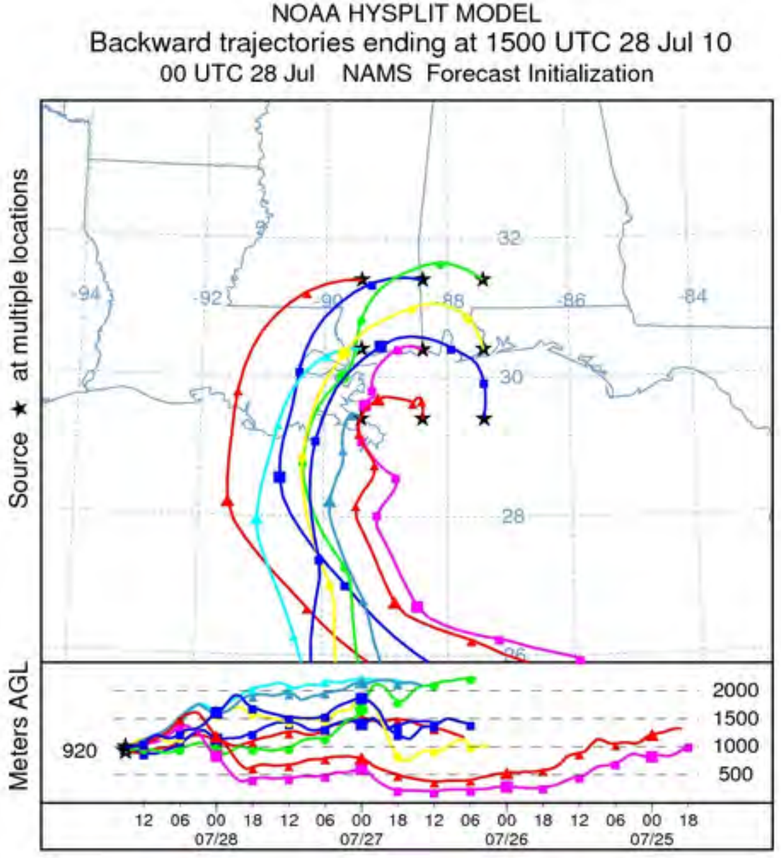

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
3000
2500
2000
1500
1920
12 06 00 18 12 06 00 18 12
07/28 07/27

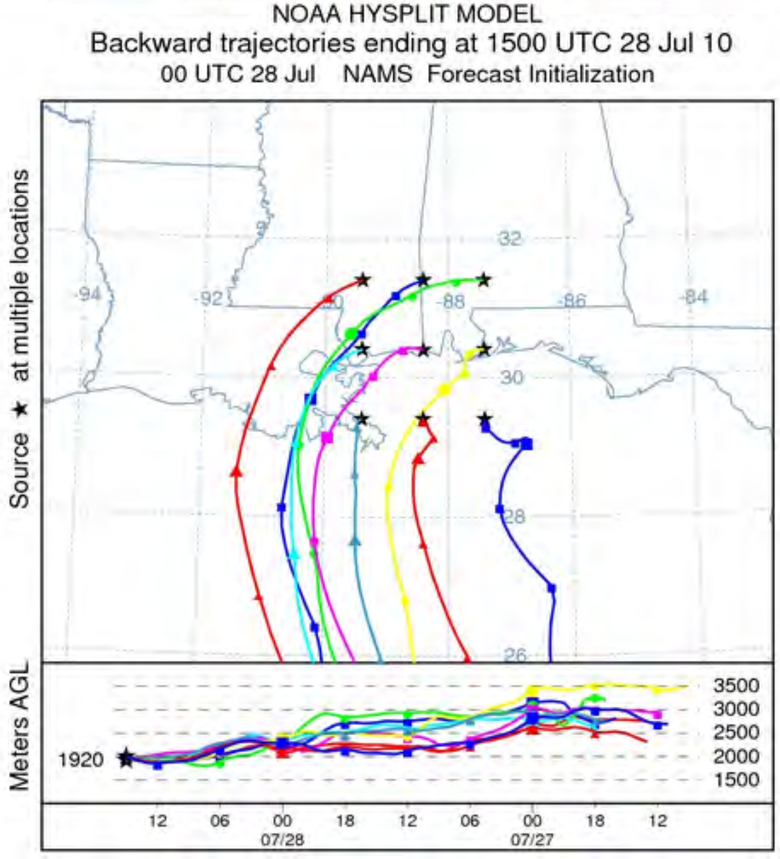

NOAA HYSPLIT MODEL
Backward trajectories ending at 1400 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
5500
5000
4500
4000
3500
3000
2500
2920
12 06 00 18 12 06 00 18 12
07/28 07/27

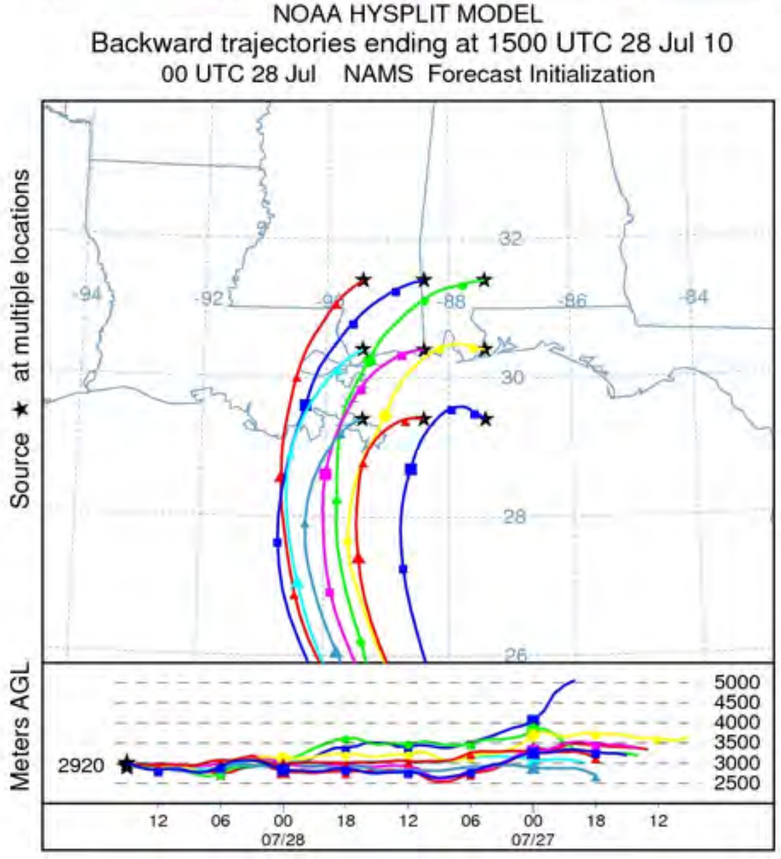

Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0

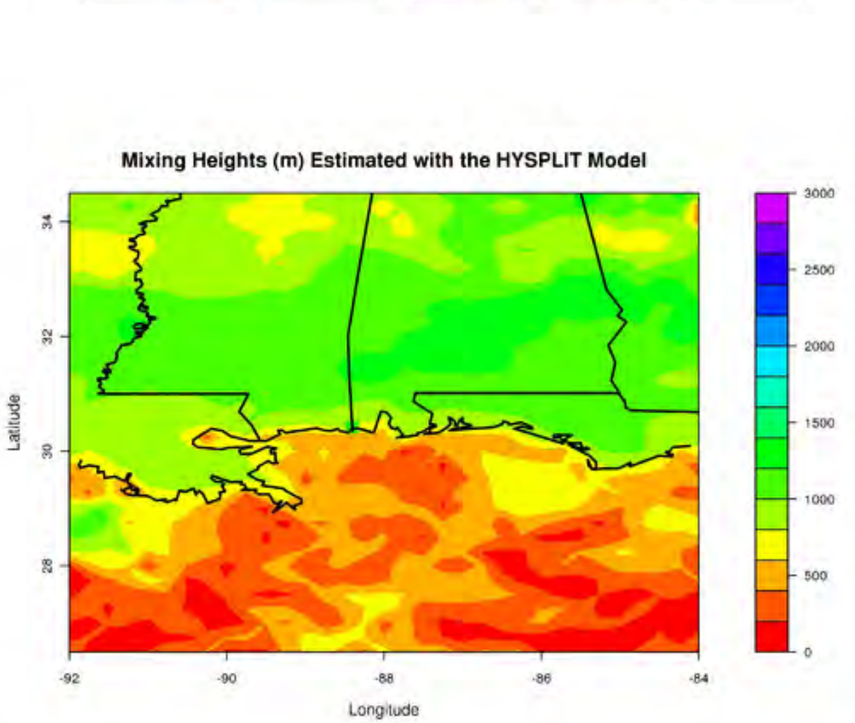

NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2500
2000
1500
1000
500
170
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2500
2000
1500
1000
500
420
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
07/28 07/27 07/26 07/25

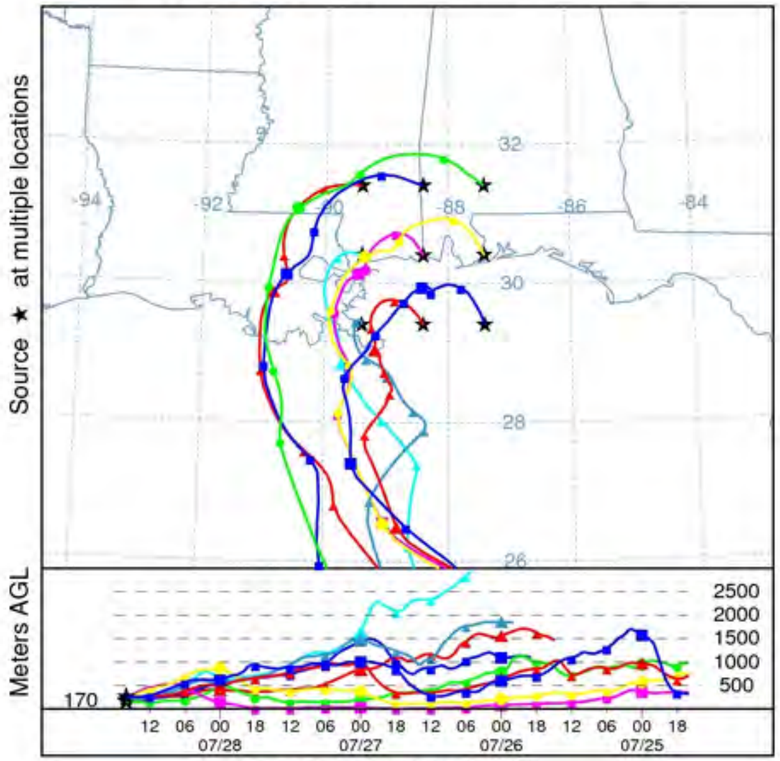

NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2000
1500
1000
500
920
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
3500
3000
2500
2000
1500
1920
12 06 00 18 12 06 00 18 12
07/28 07/27

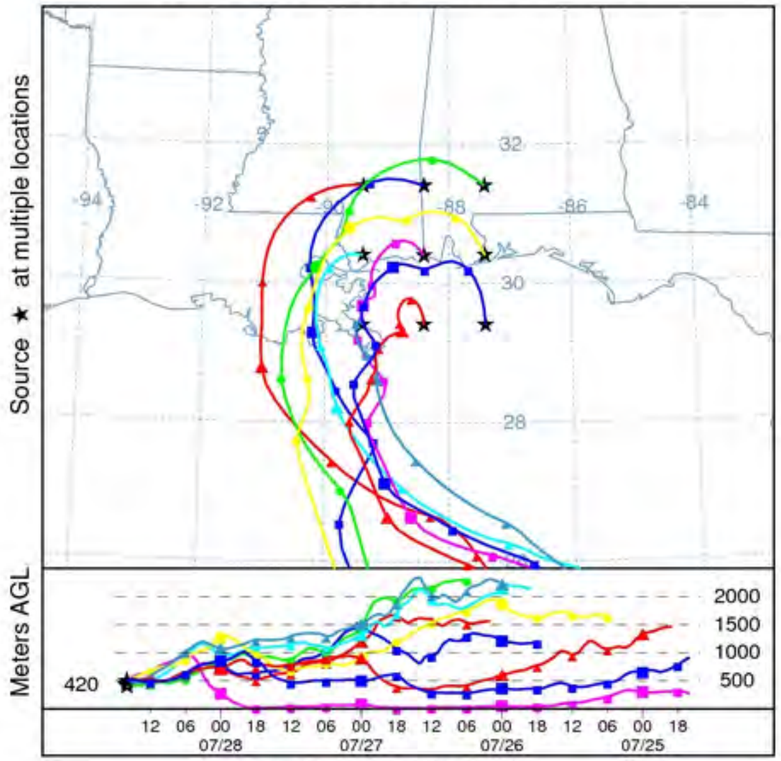

NOAA HYSPLIT MODEL
Backward trajectories ending at 1500 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
5000
4500
4000
3500
3000
2500
2920
12 06 00 18 12 06 00 18 12
07/28 07/27


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

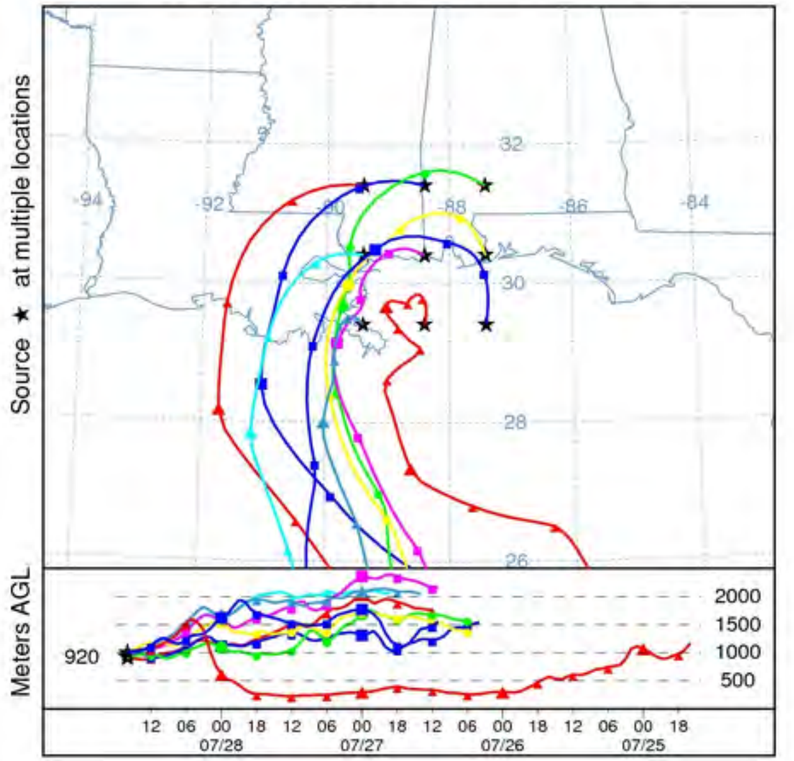
NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization



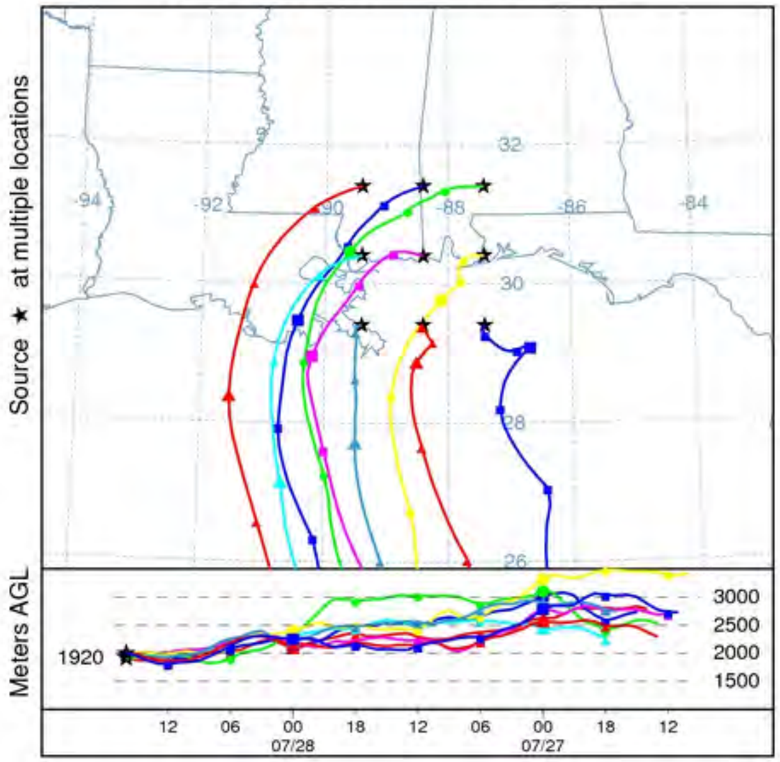
NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization



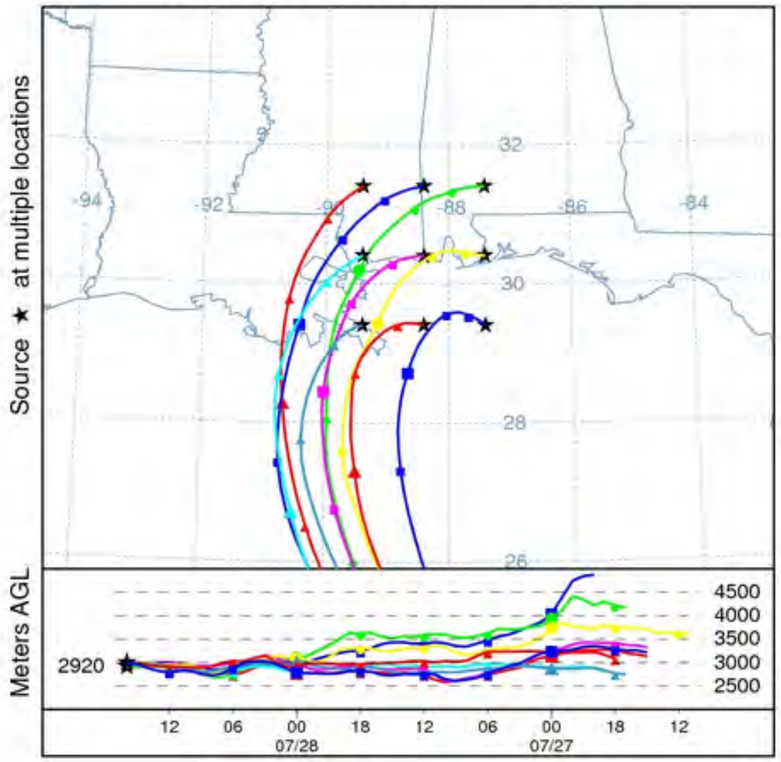
NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization

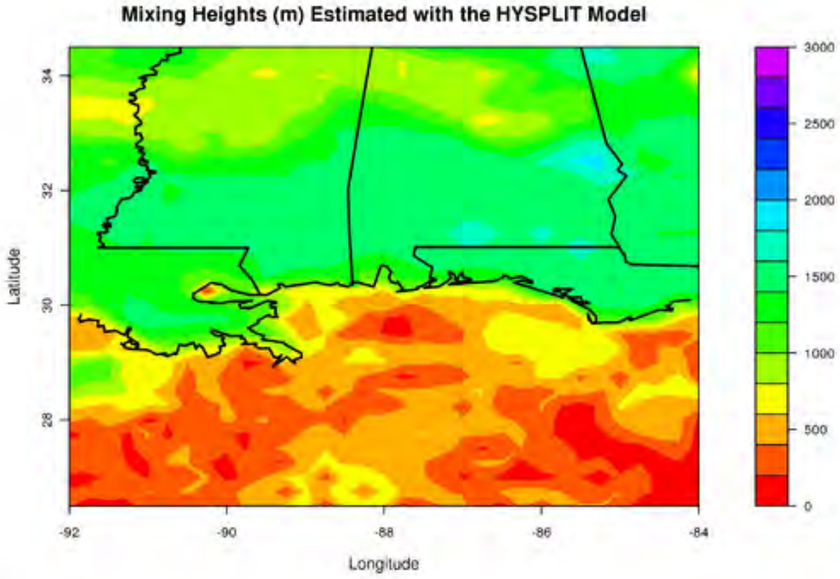


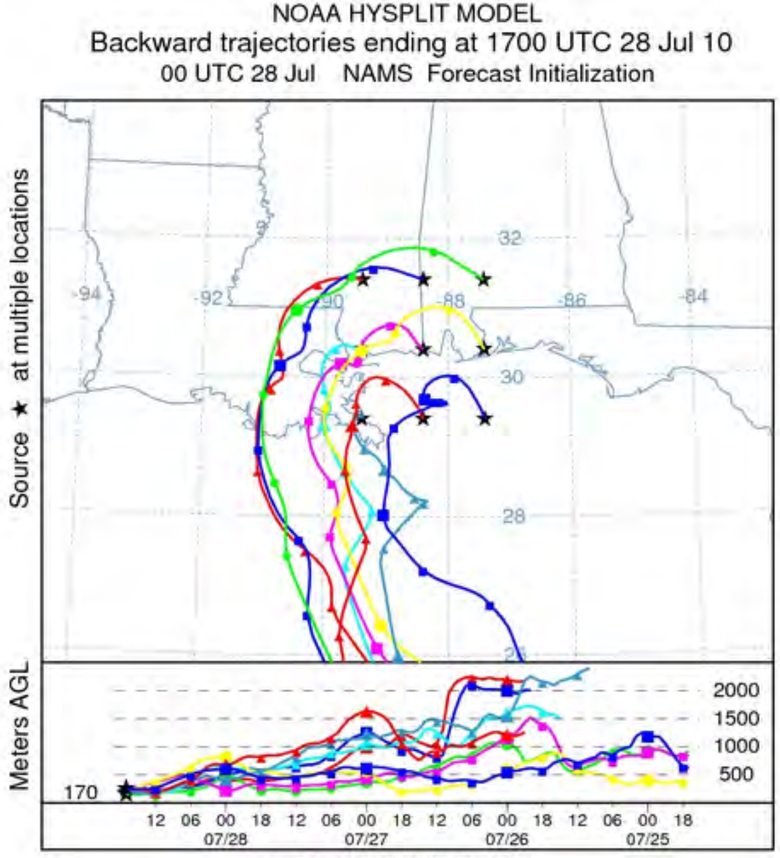
NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization

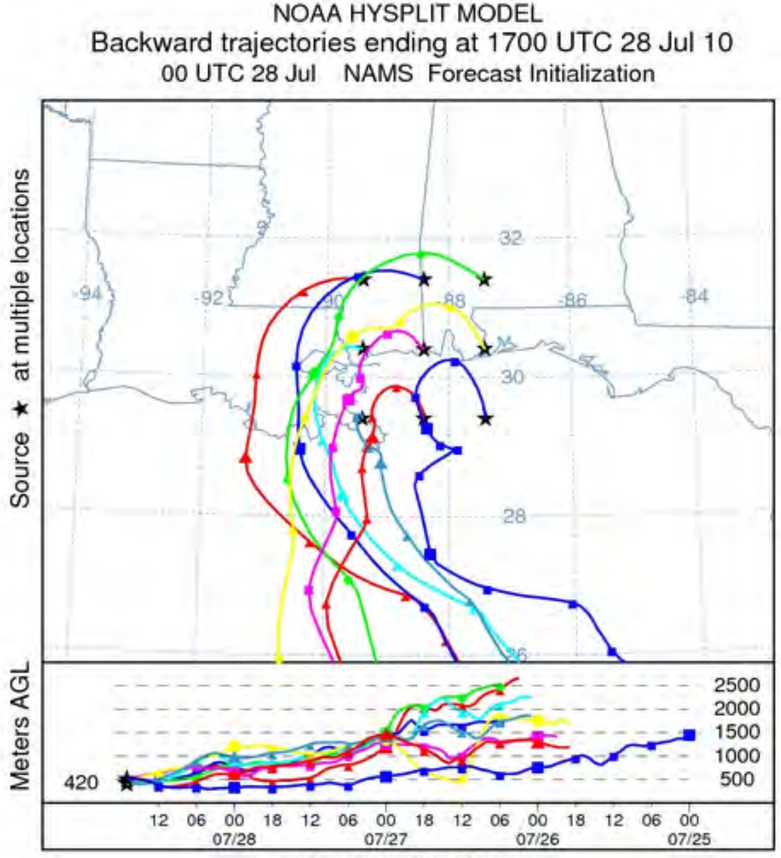


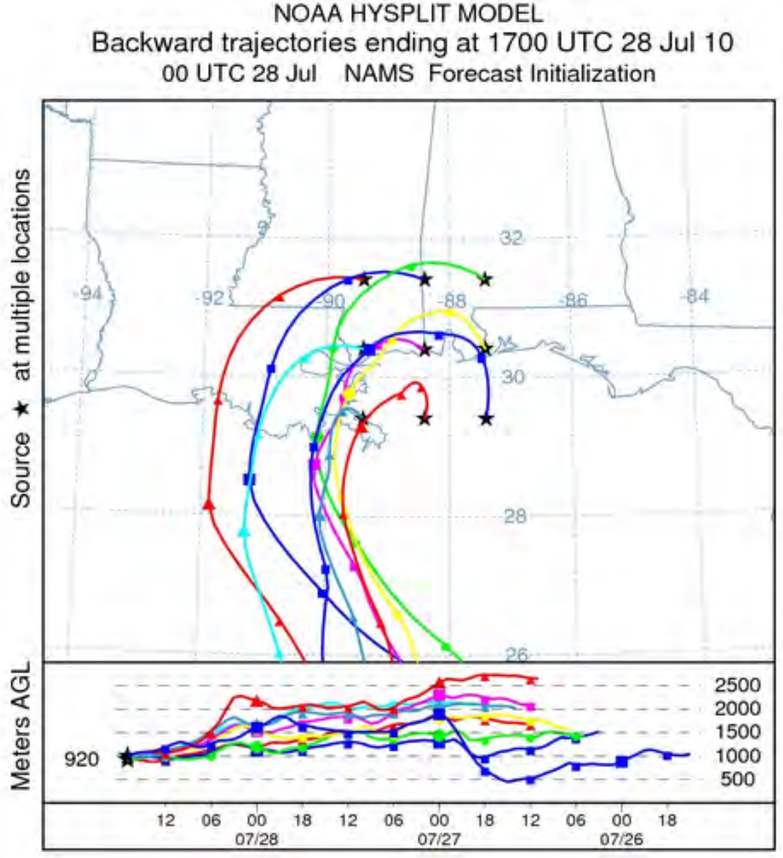
NOAA HYSPLIT MODEL
Backward trajectories ending at 1600 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization

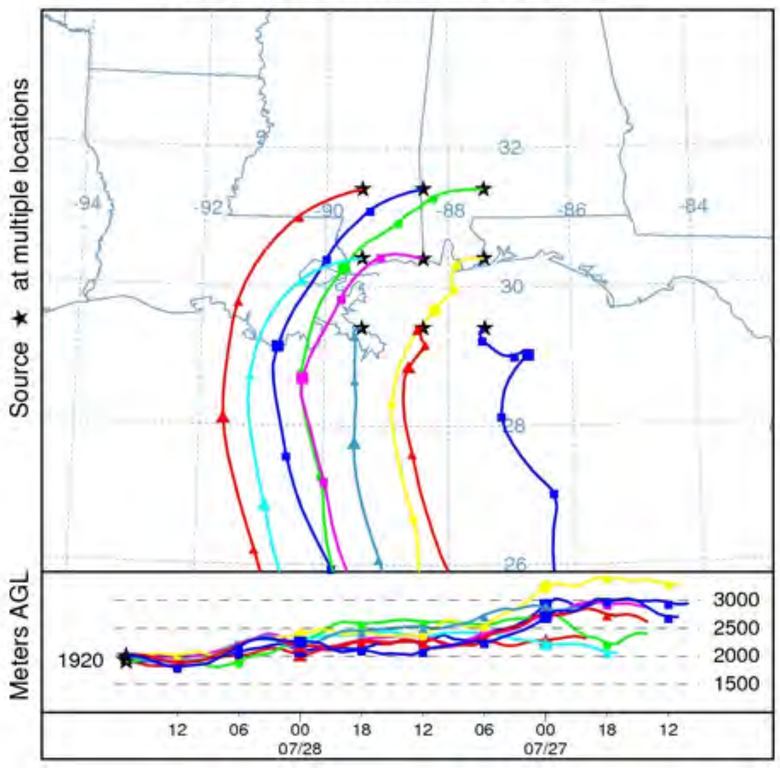


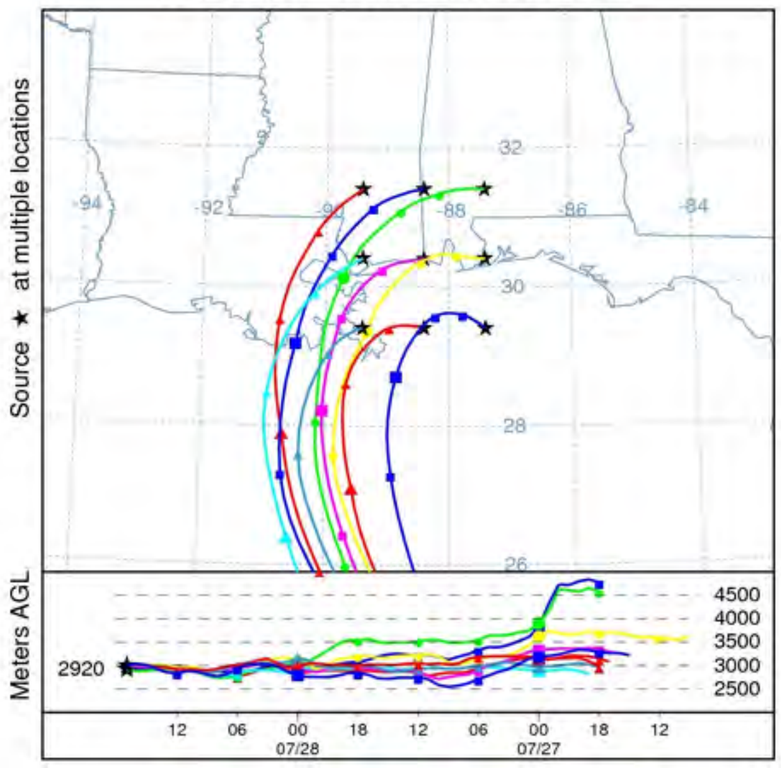


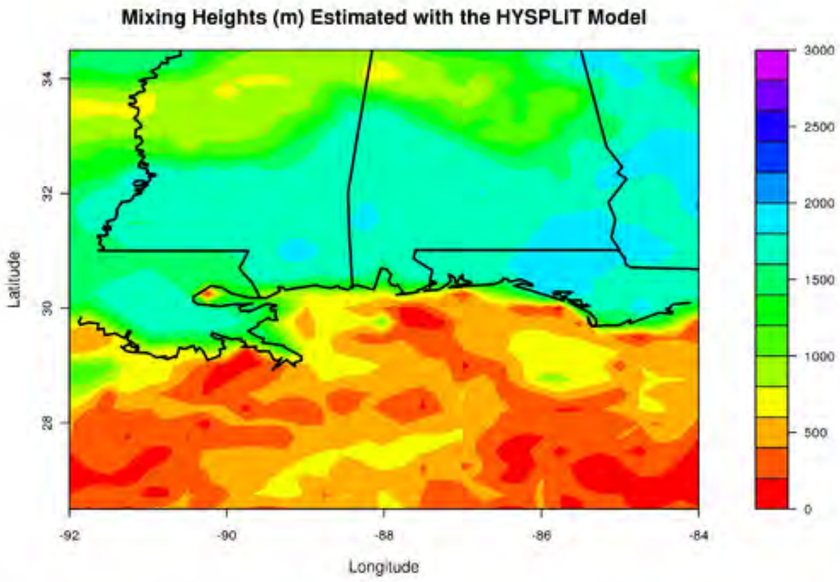

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2000
1500
1000
500
170
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
07/28 07/27 07/26 07/25

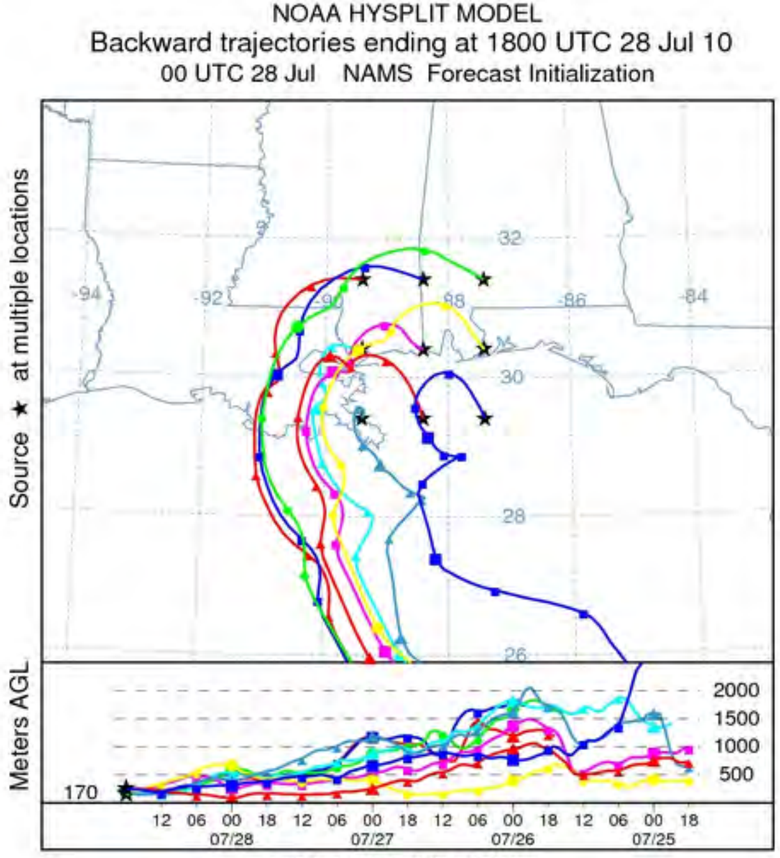

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2500
2000
1500
1000
500
420
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25

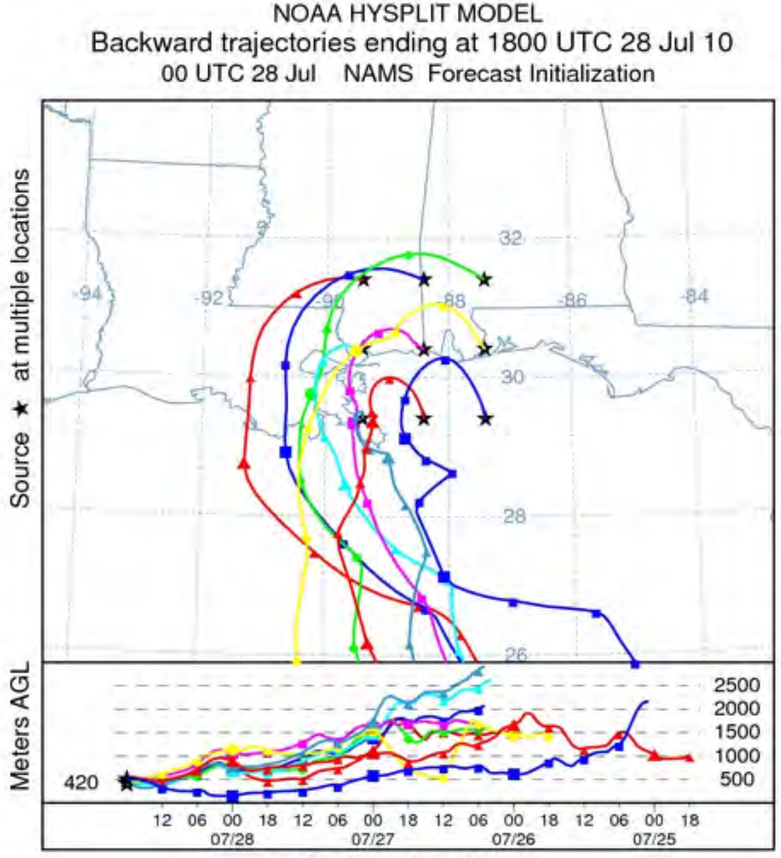

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2500
2000
1500
1000
500
920
12 06 00 18 12 06 00 18 12 06 00 18
07/28 07/27 07/26

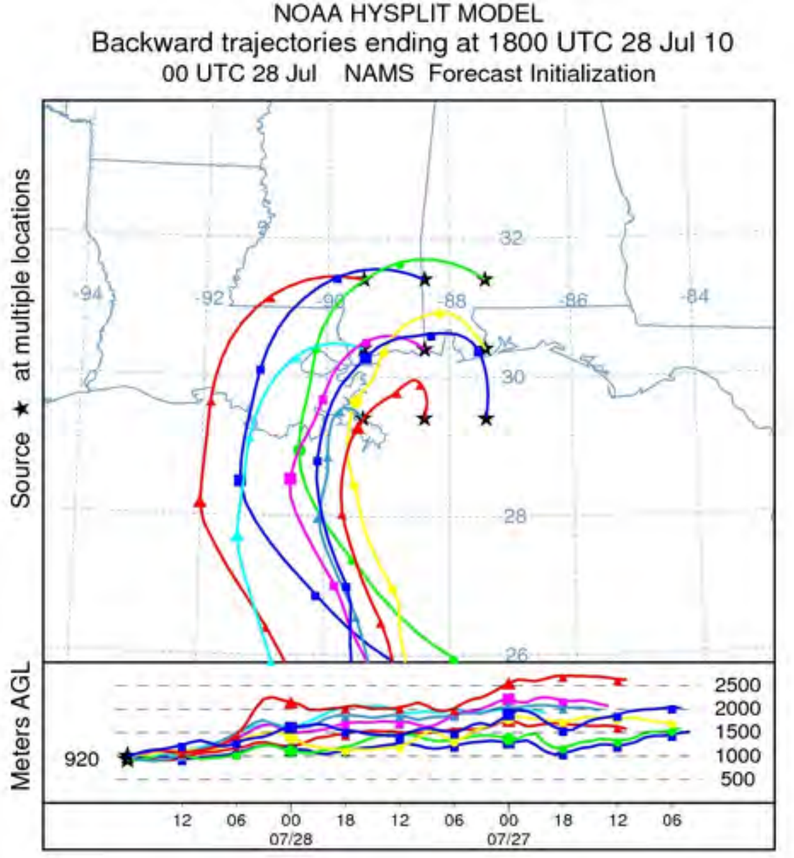

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
3000
2500
2000
1500
1920
12 06 00 18 12 06 00 18 12
07/28 07/27

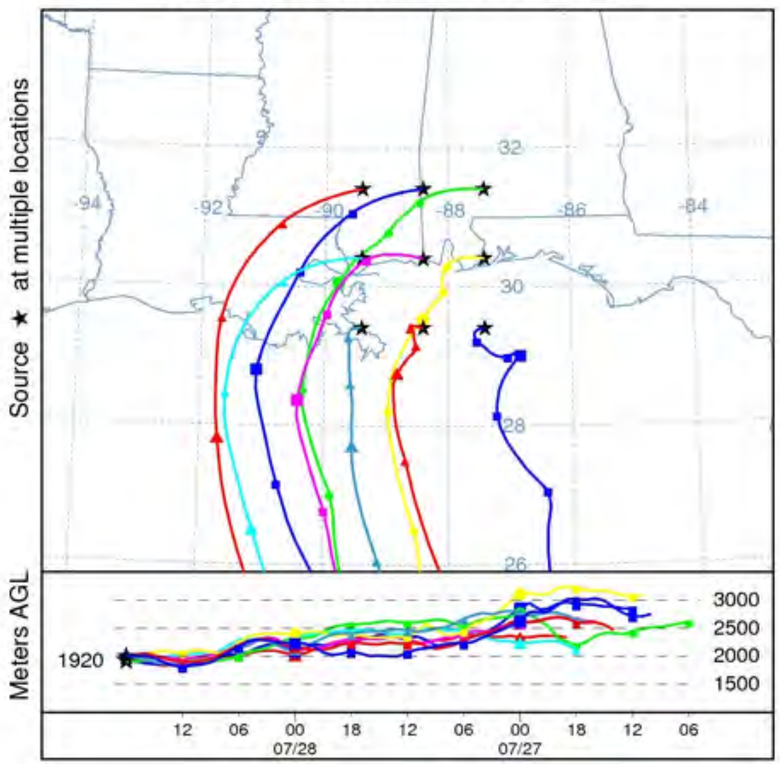

NOAA HYSPLIT MODEL
Backward trajectories ending at 1700 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
4500
4000
3500
3000
2500
2920
12 06 00 18 12 06 00 18 12
07/28 07/27

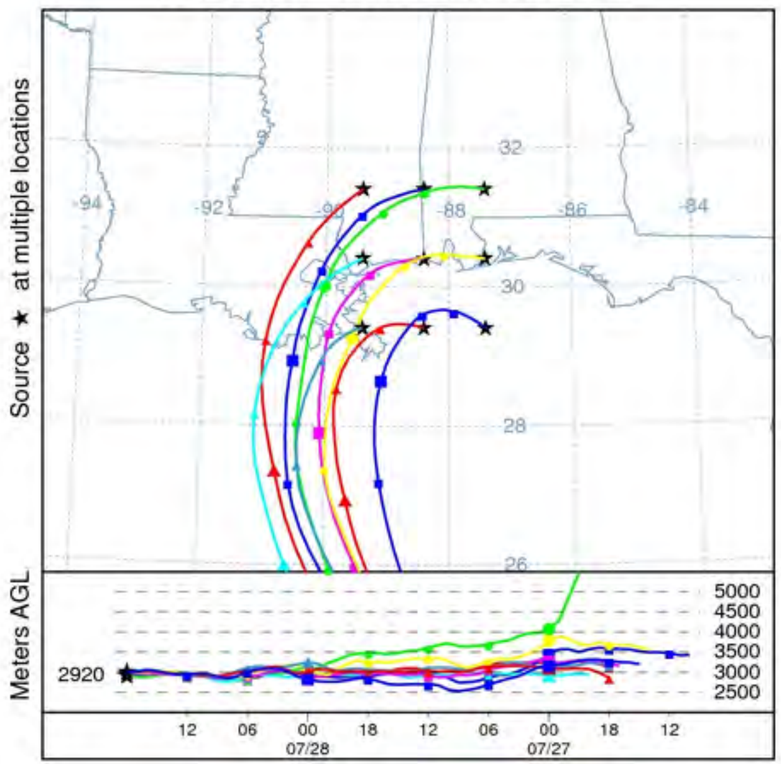

Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
-92
-90
-88
-86
-84
34
32
30
28
3000
2500
2000
1500
1000
500
0

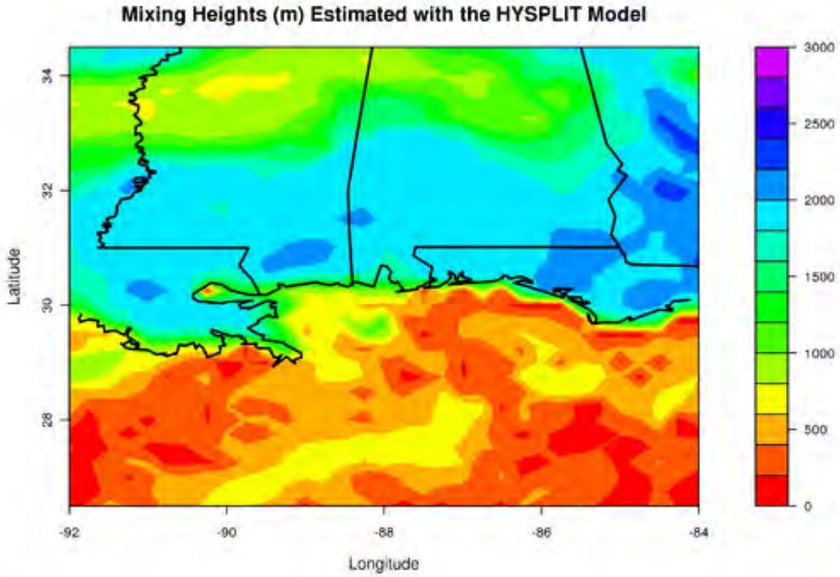

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
07/28 07/27 07/26 07/25

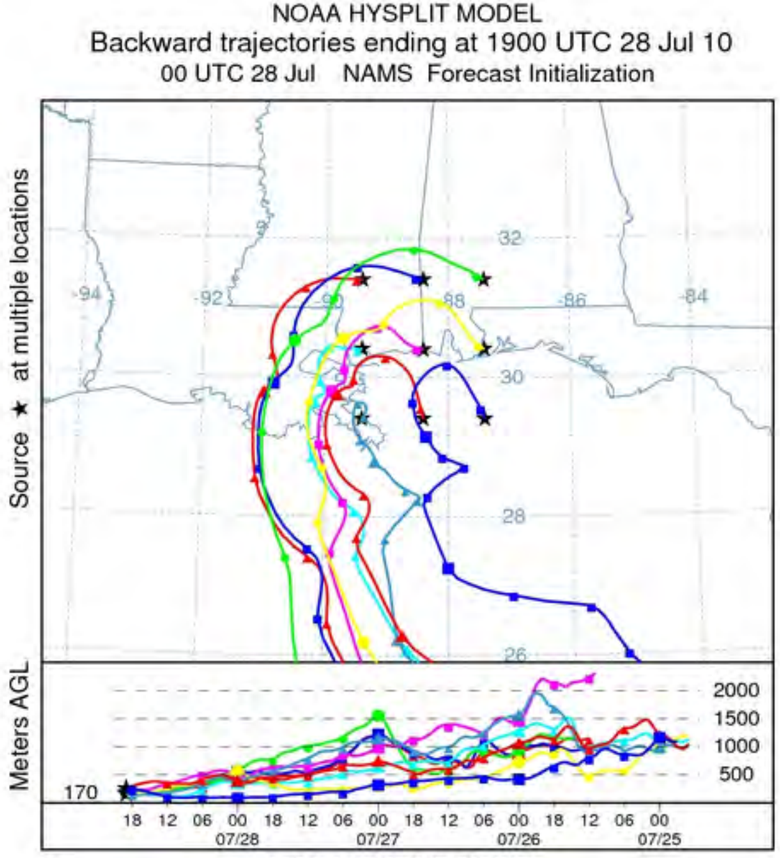

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06 00 18 12 06 00 18
07/28 07/27 07/26 07/25

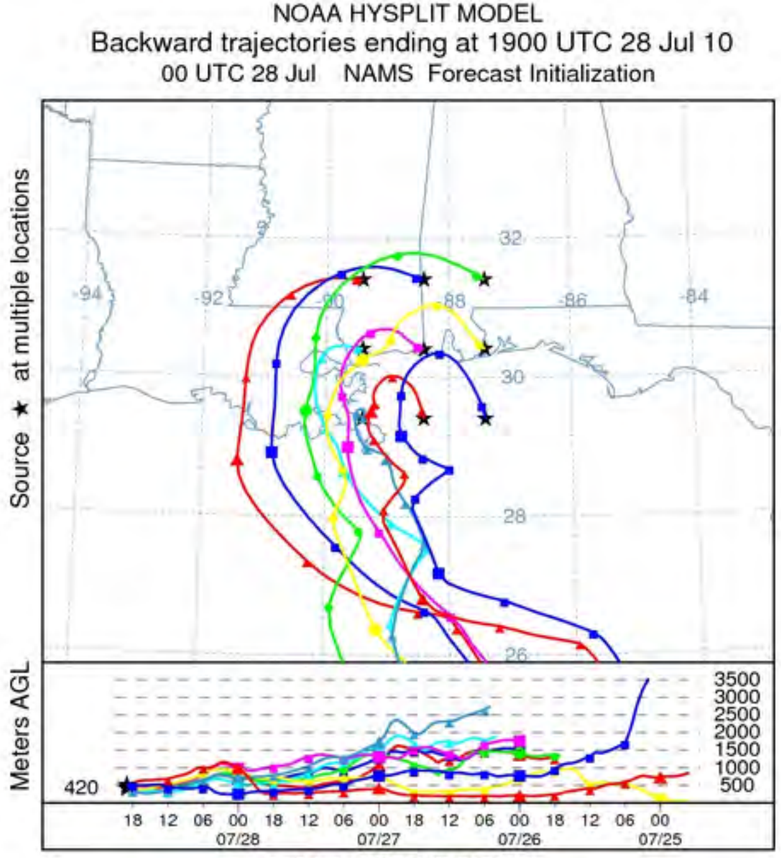

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
2500
2000
1500
1000
500
12 06 00 18 12 06 00 18 12 06
07/28 07/27

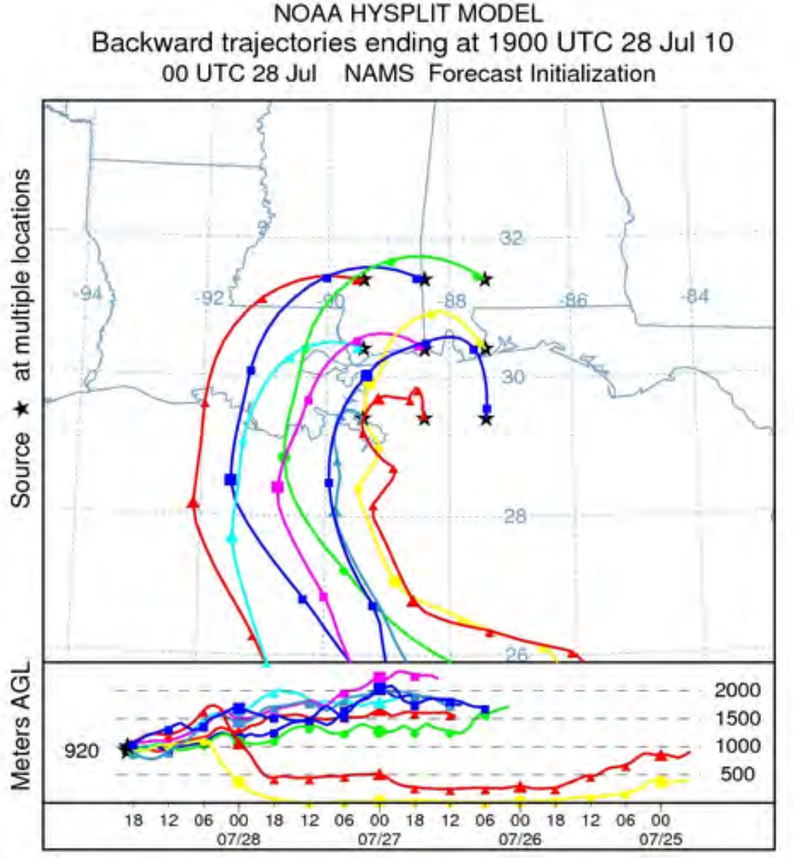

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1920
3000
2500
2000
1500
12 06 00 18 12 06 00 18 12 06
07/28 07/27

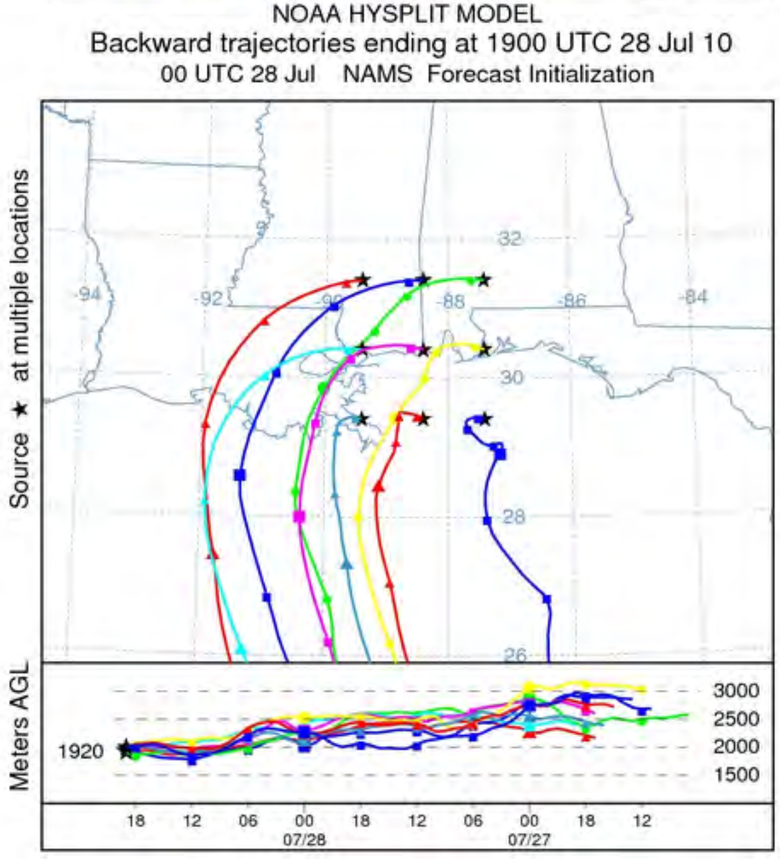

NOAA HYSPLIT MODEL
Backward trajectories ending at 1800 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2920
5000
4500
4000
3500
3000
2500
12 06 00 18 12 06 00 18 12
07/28 07/27

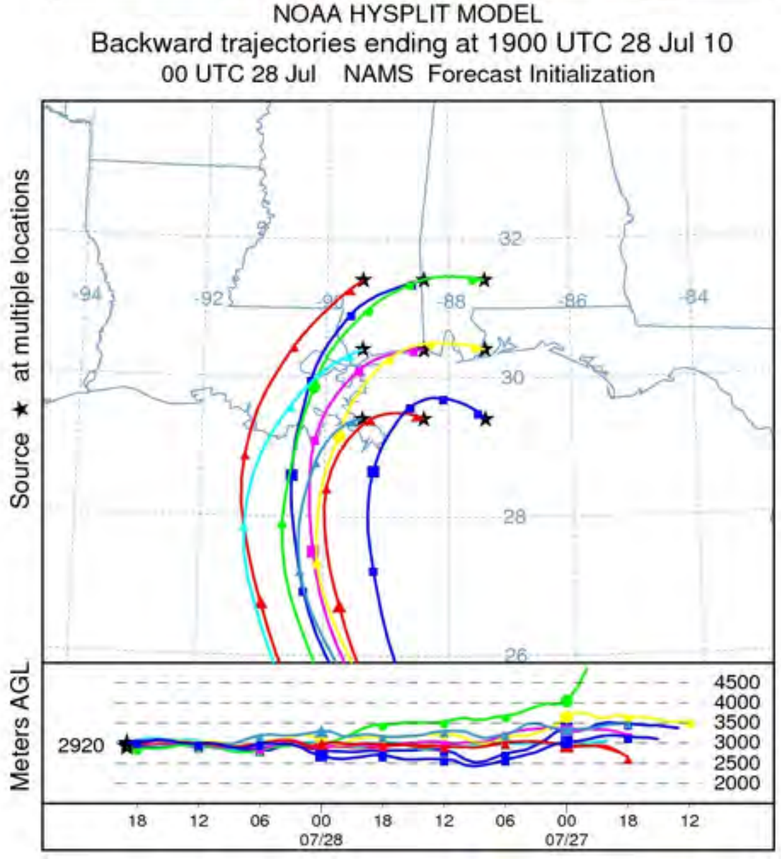

Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
34
32
30
28
-92
-90
-88
-86
-84
3000
2500
2000
1500
1000
500
0

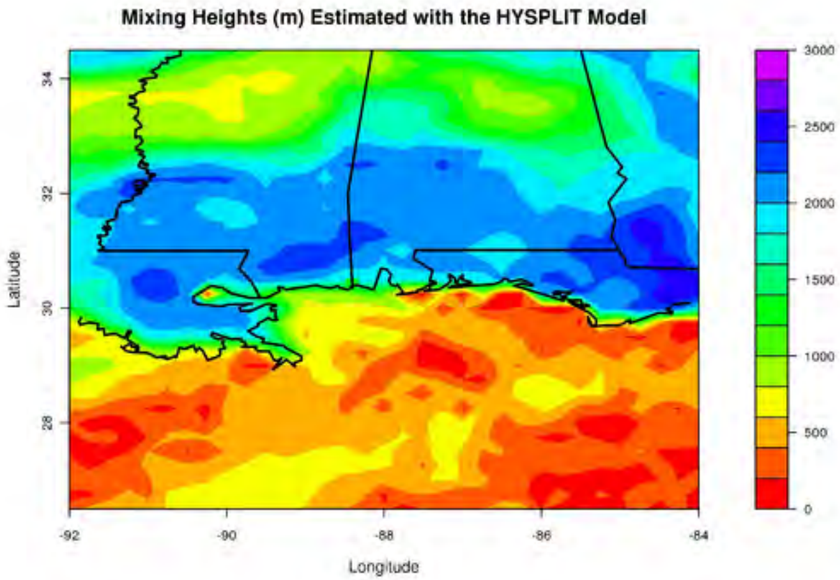

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25

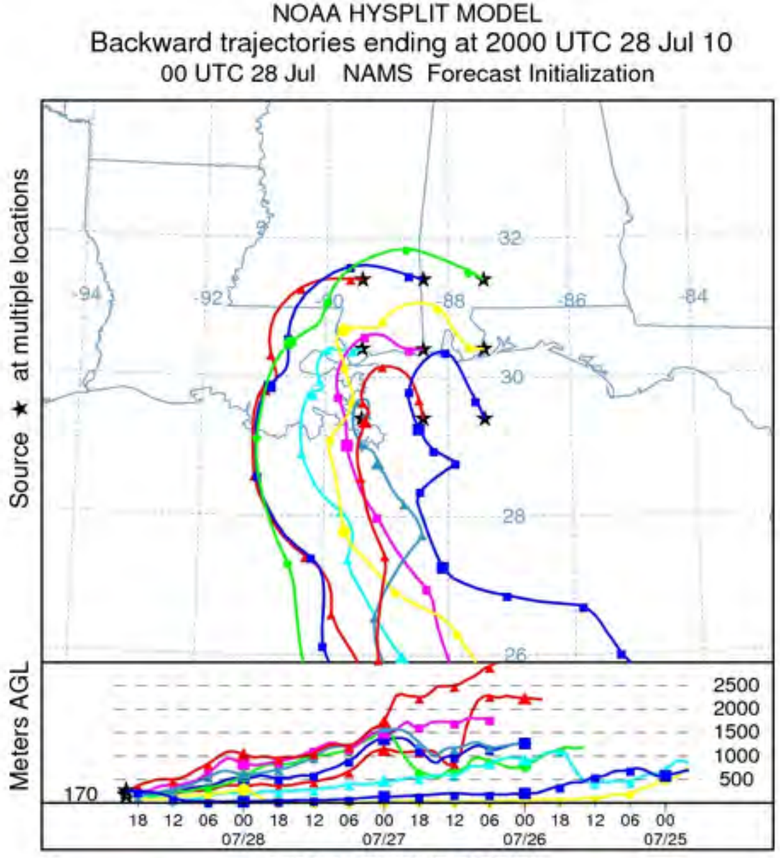

NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
3500
3000
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1920
3000
2500
2000
1500
18 12 06 00 18 12 06 00 18 12
07/28 07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 1900 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2920
4500
4000
3500
3000
2500
2000
18 12 06 00 18 12 06 00 18 12
07/28 07/27


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 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2500
2000
1500
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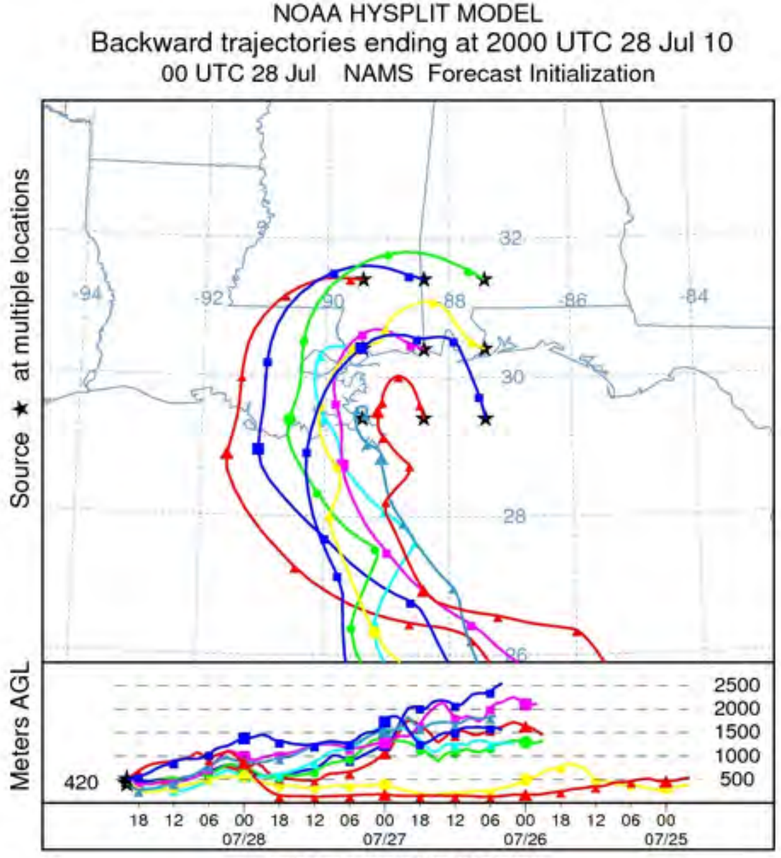
500
170
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2500
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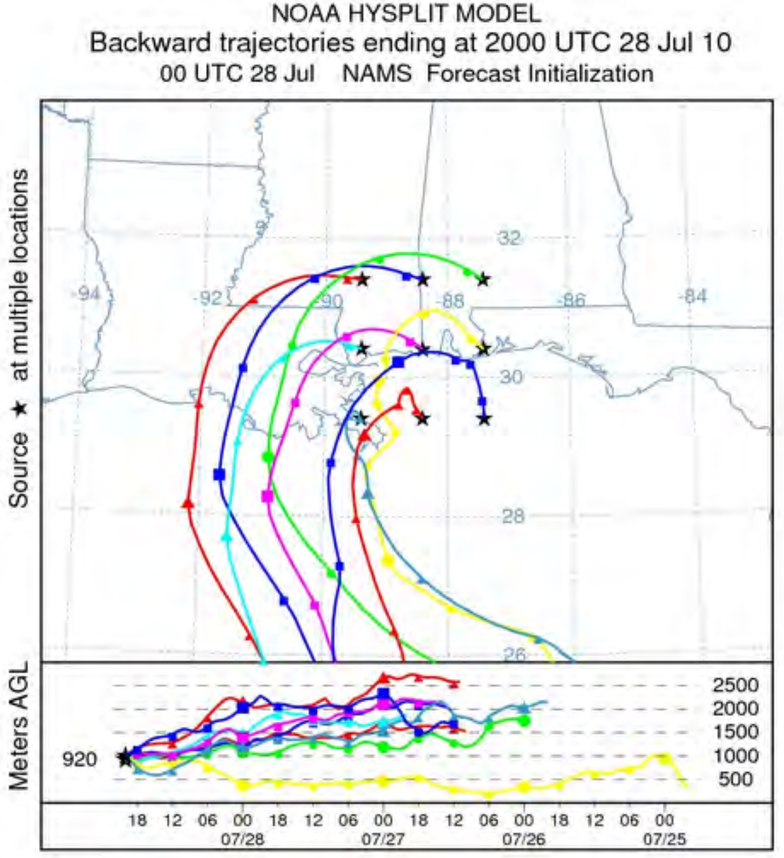
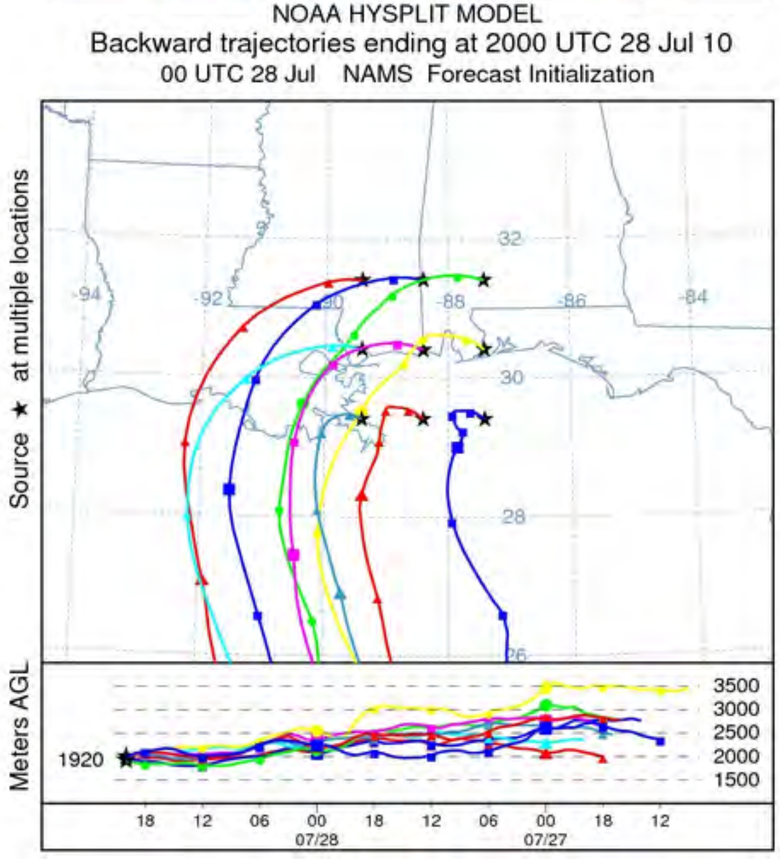
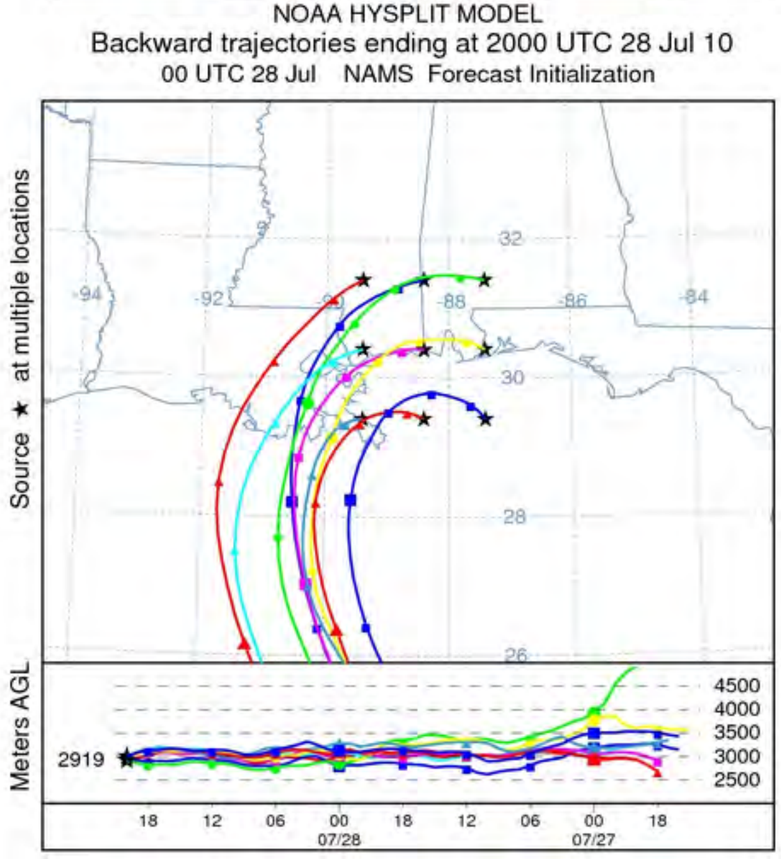
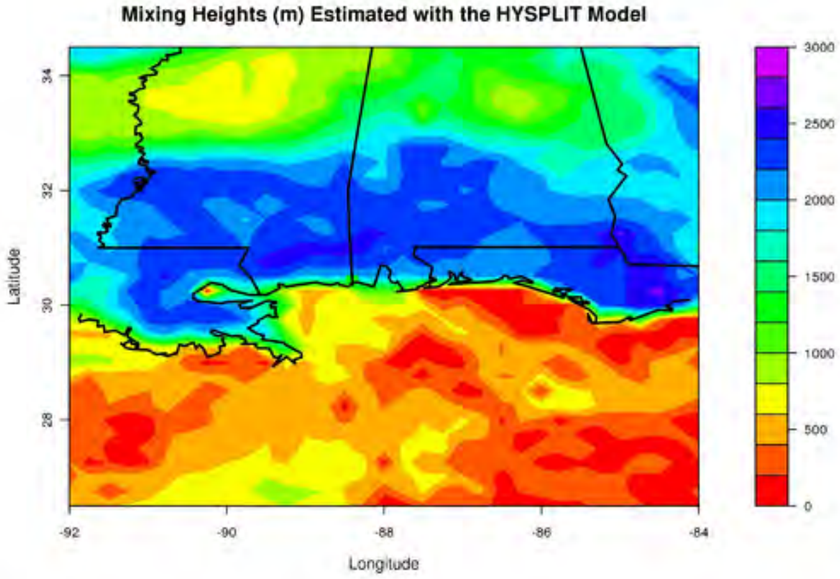
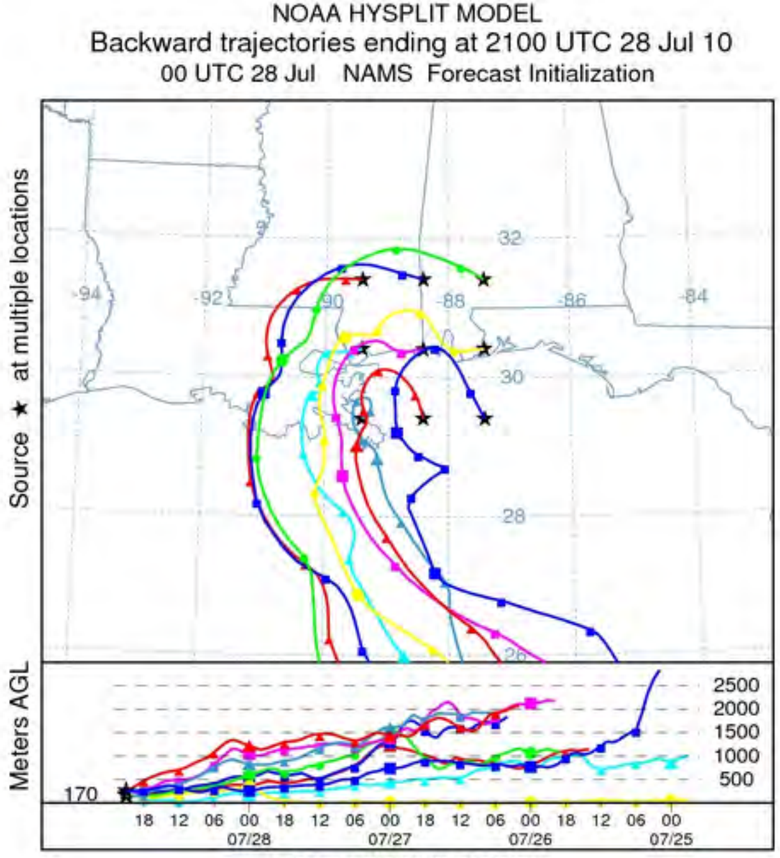
420
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25

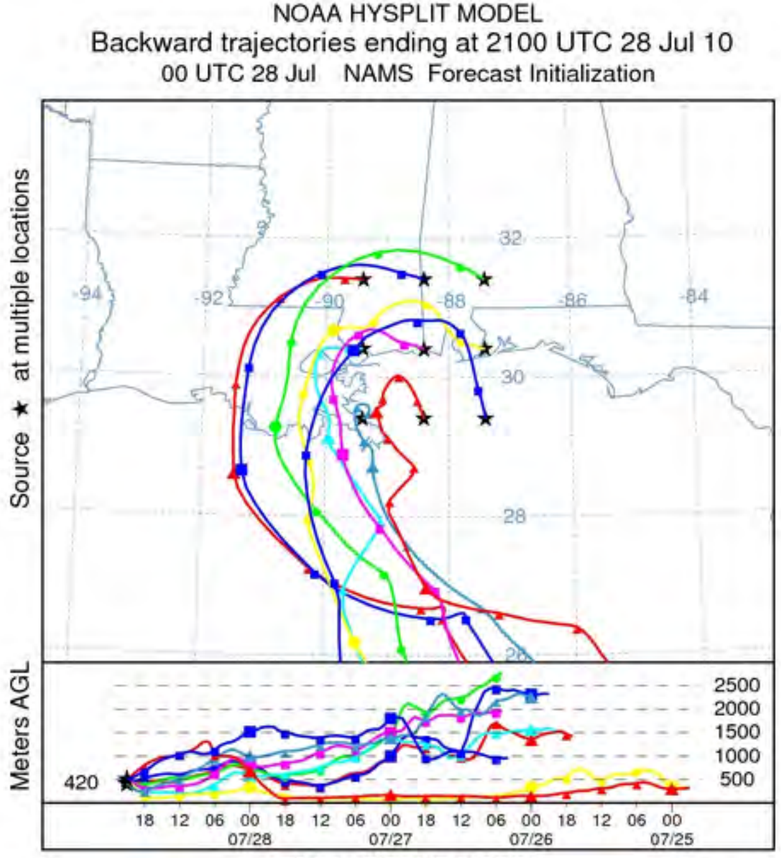

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2500
2000
1500
1000
500
920
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25

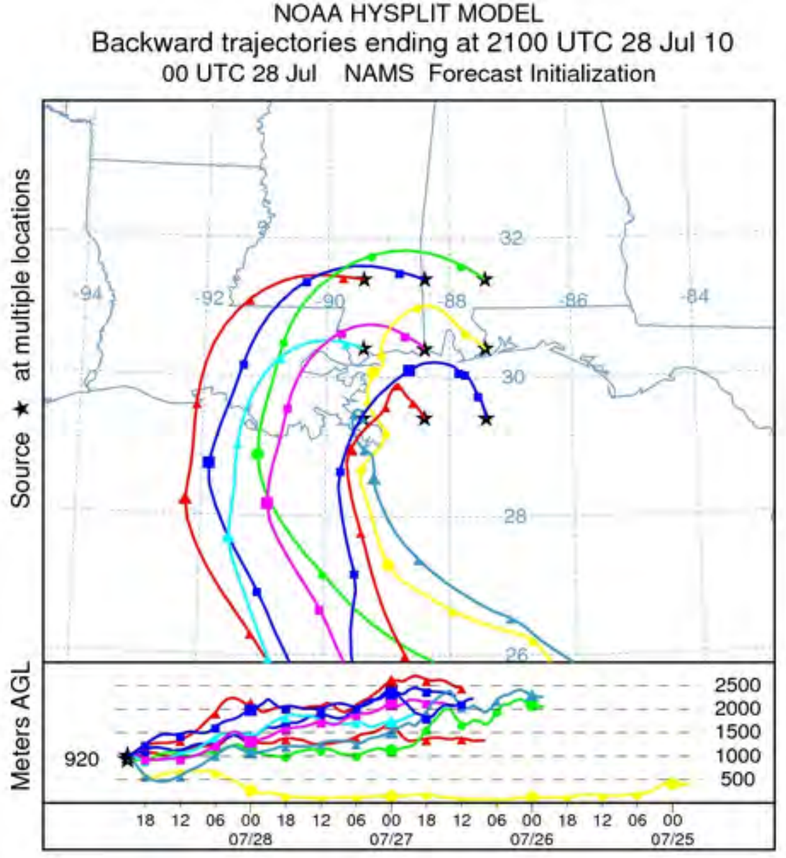

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
3500
3000
2500
2000
1500
1920
18 12 06 00 18 12 06 00 18 12
07/28 07/27

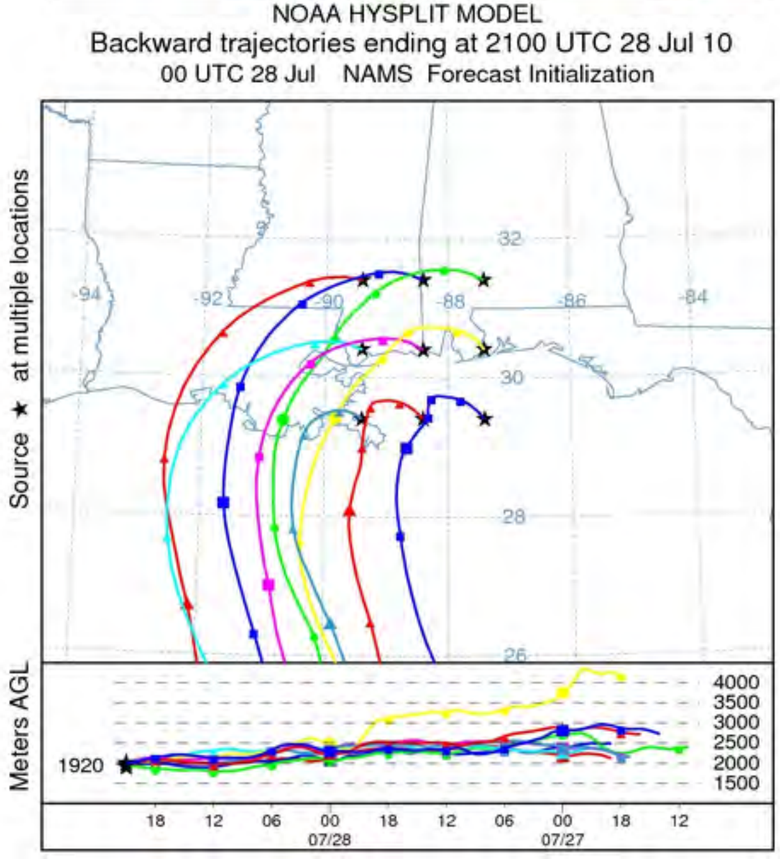

NOAA HYSPLIT MODEL
Backward trajectories ending at 2000 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
4500
4000
3500
3000
2500
2919
18 12 06 00 18 12 06 00 18
07/28 07/27


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 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1920
4000
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3000
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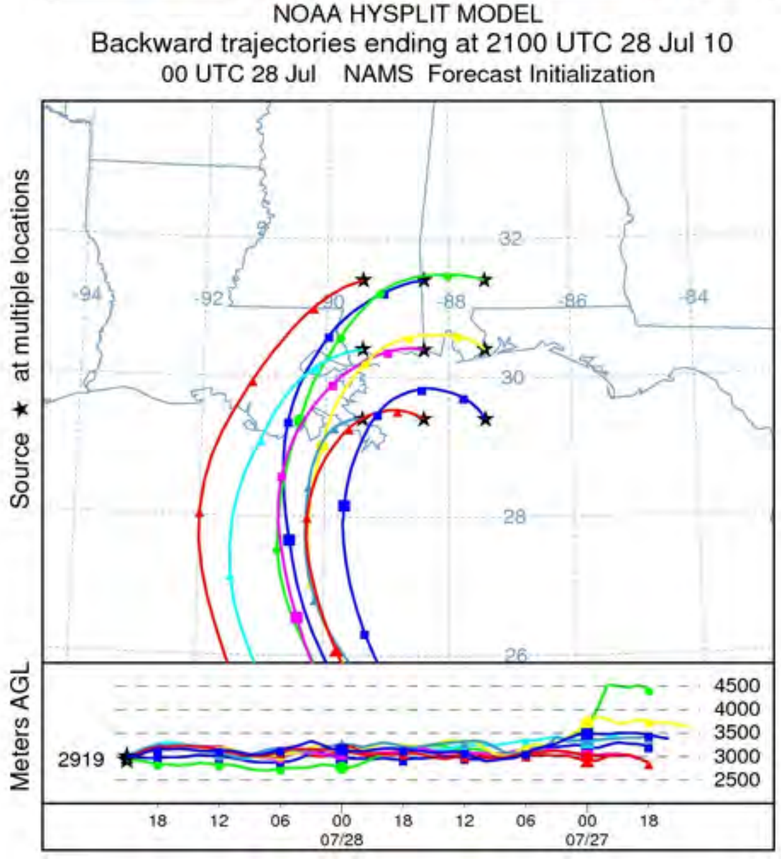
1500
18 12 06 00 18 12 06 00 18 12
07/28 07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2100 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2919
4500
4000
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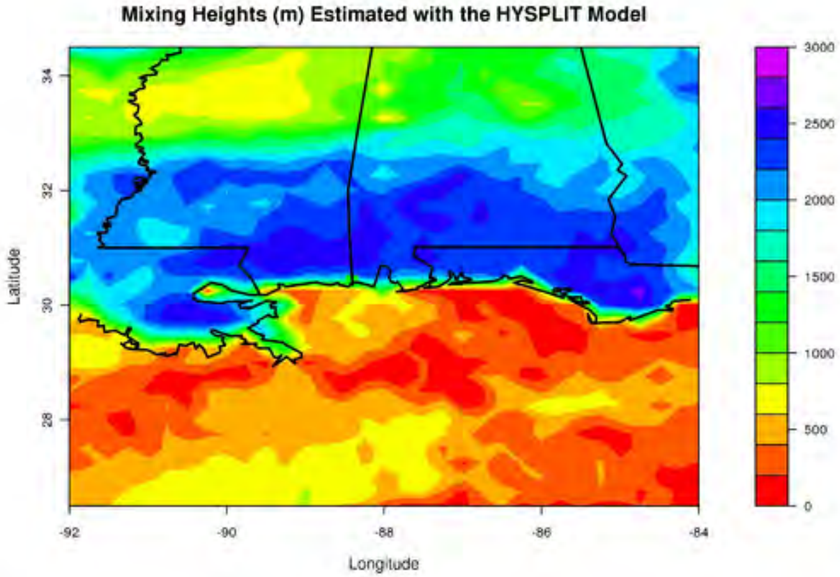
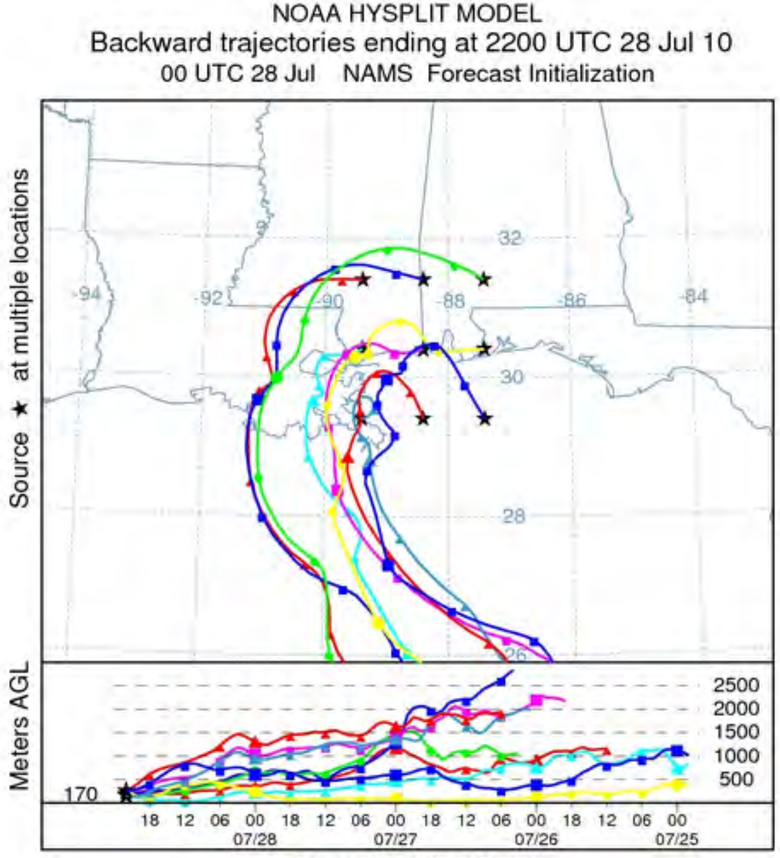
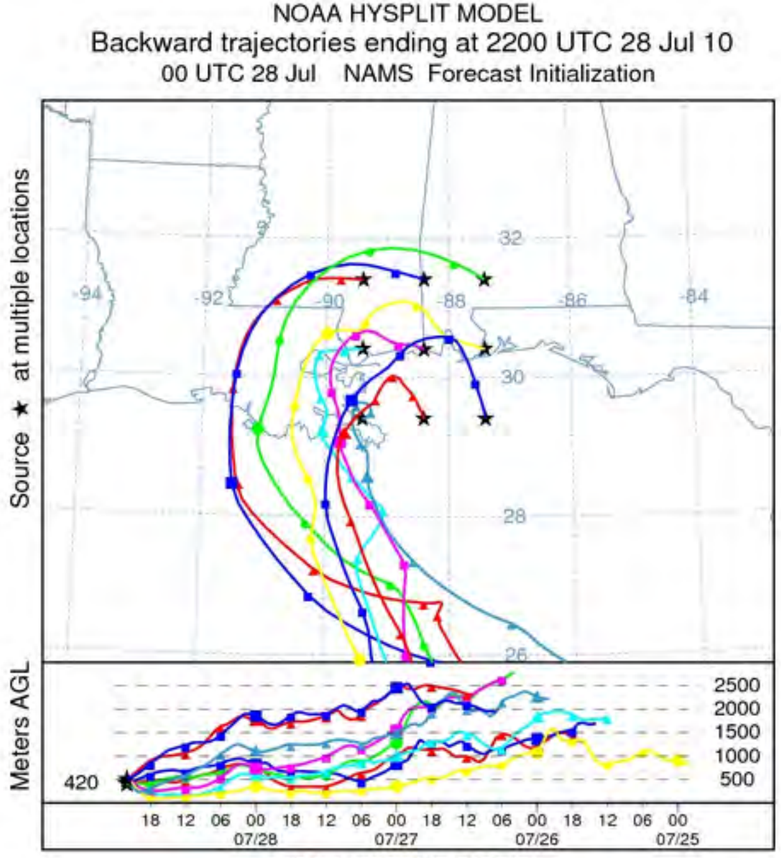
18 12 06 00 18 12 06 00 18
07/28 07/27


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 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
2500
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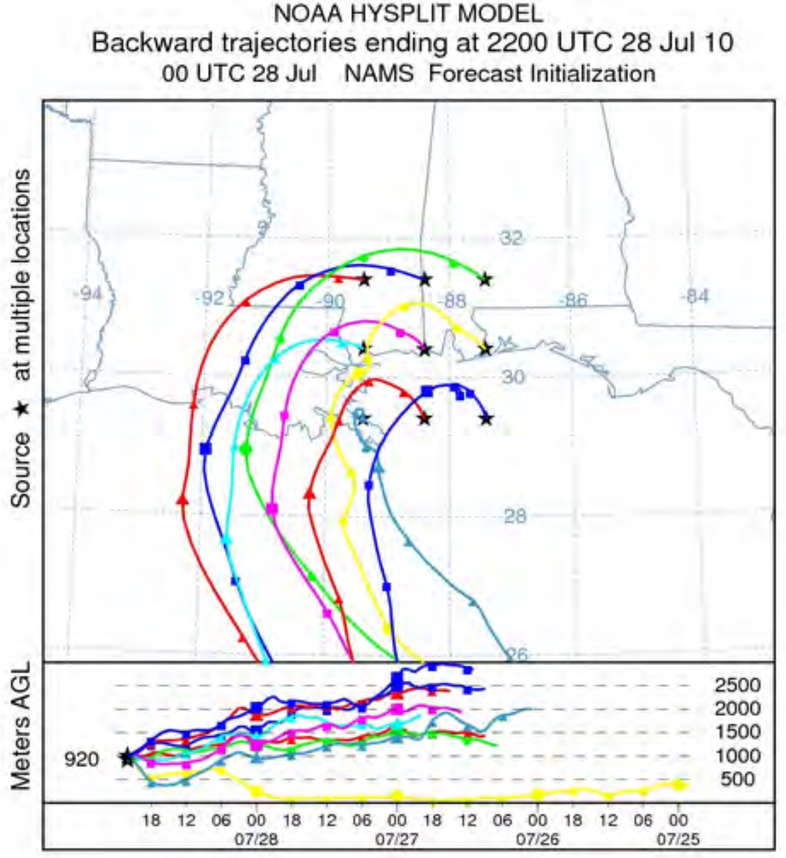
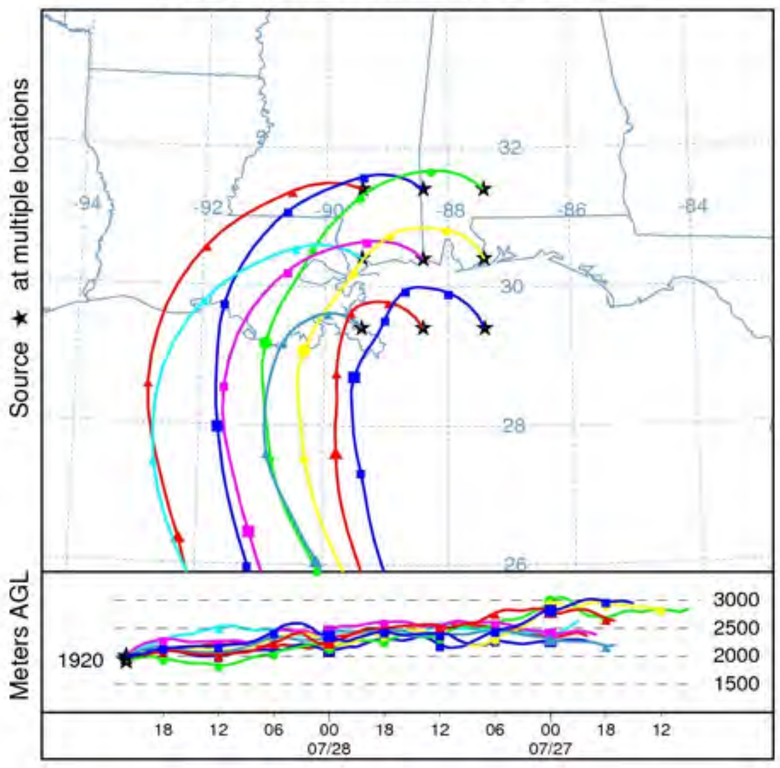
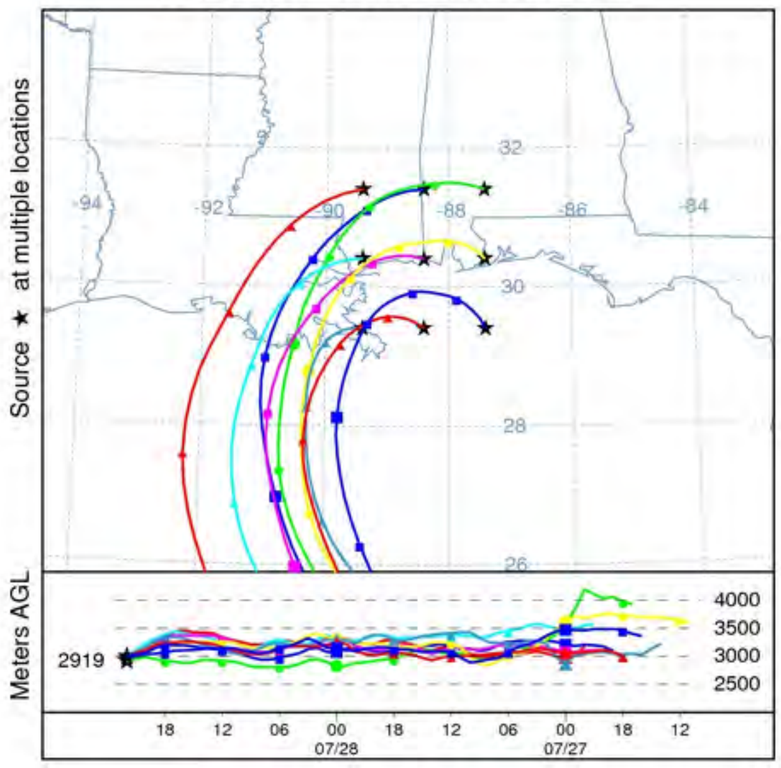
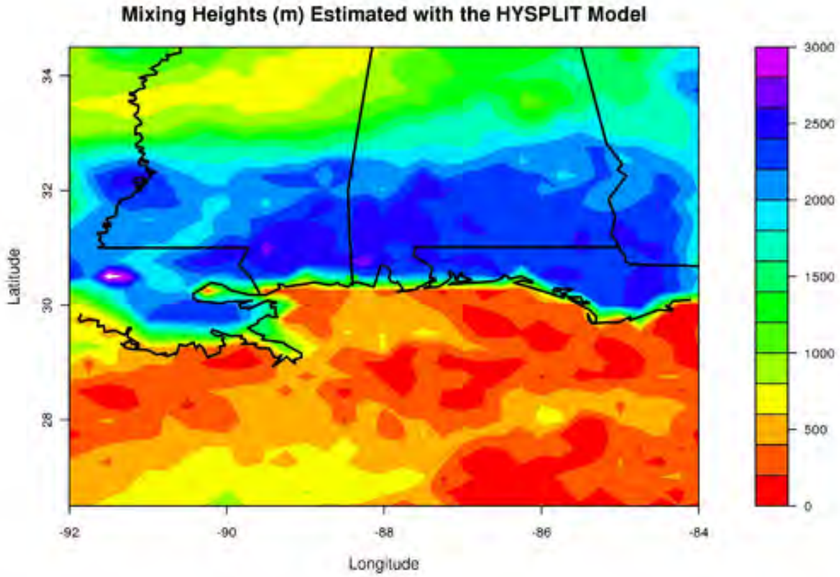
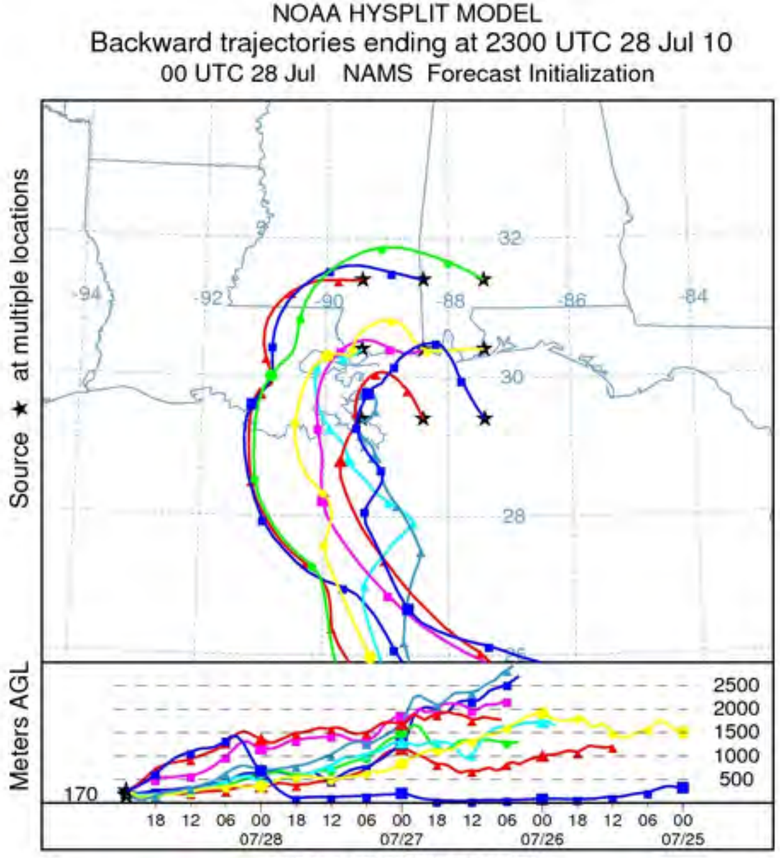
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25

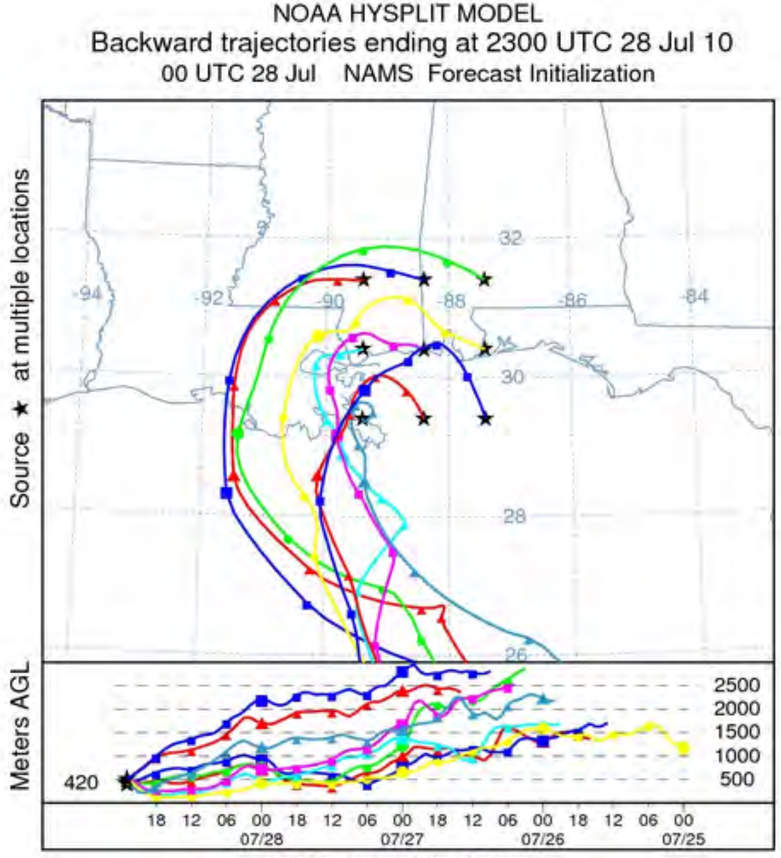

NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1920
3000
2500
2000
1500
18 12 06 00 18 12 06 00 18 12
07/28 07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 2200 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2919
4000
3500
3000
2500
18 12 06 00 18 12 06 00 18 12
07/28 07/27


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 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2500
2000
1500
1000
500
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
420
2500
2000
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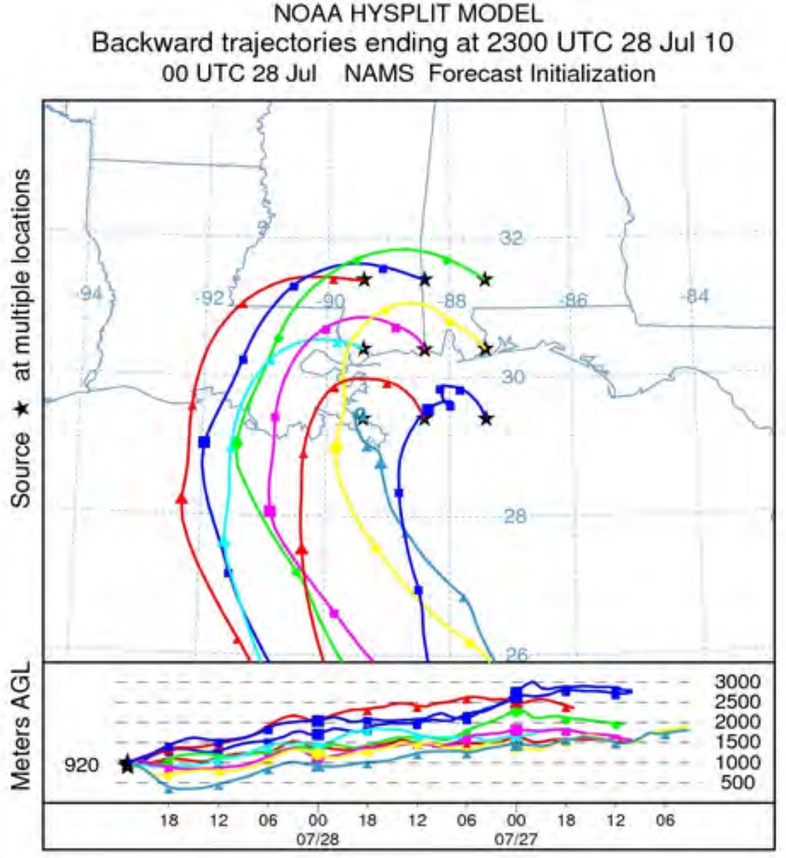
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
920
3000
2500
2000
1500
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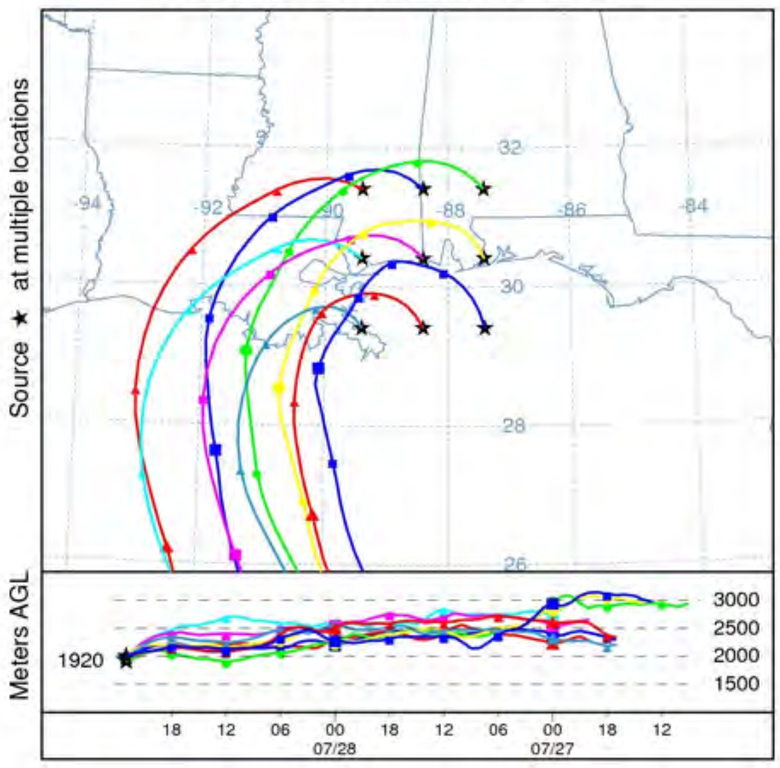
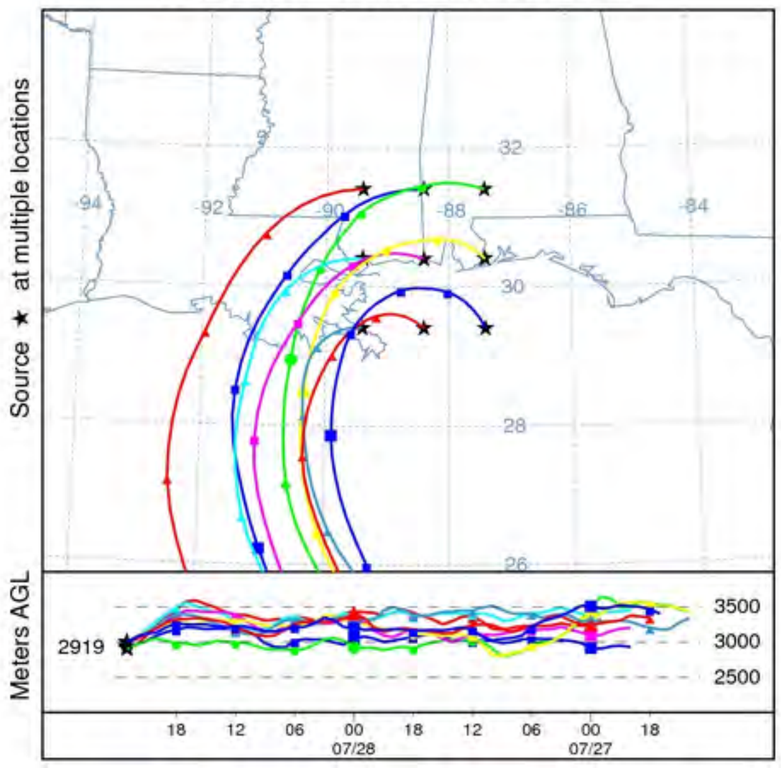
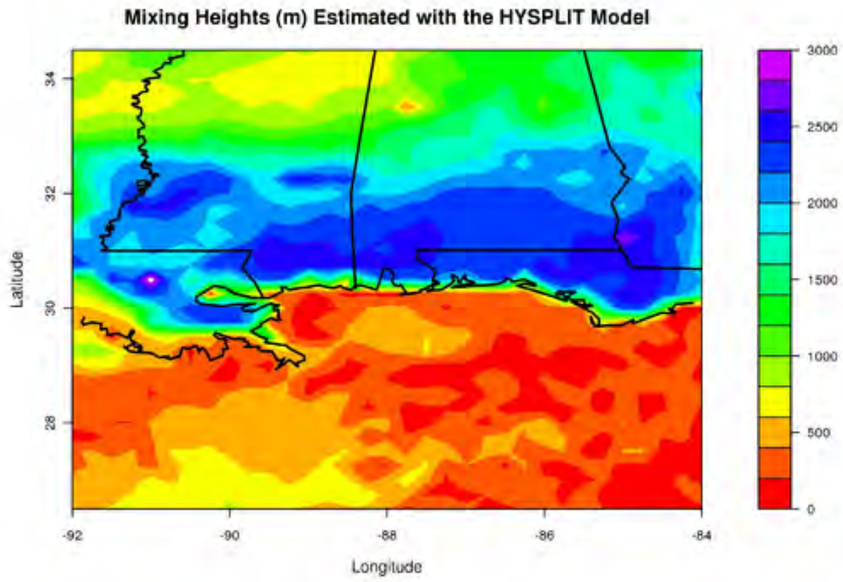
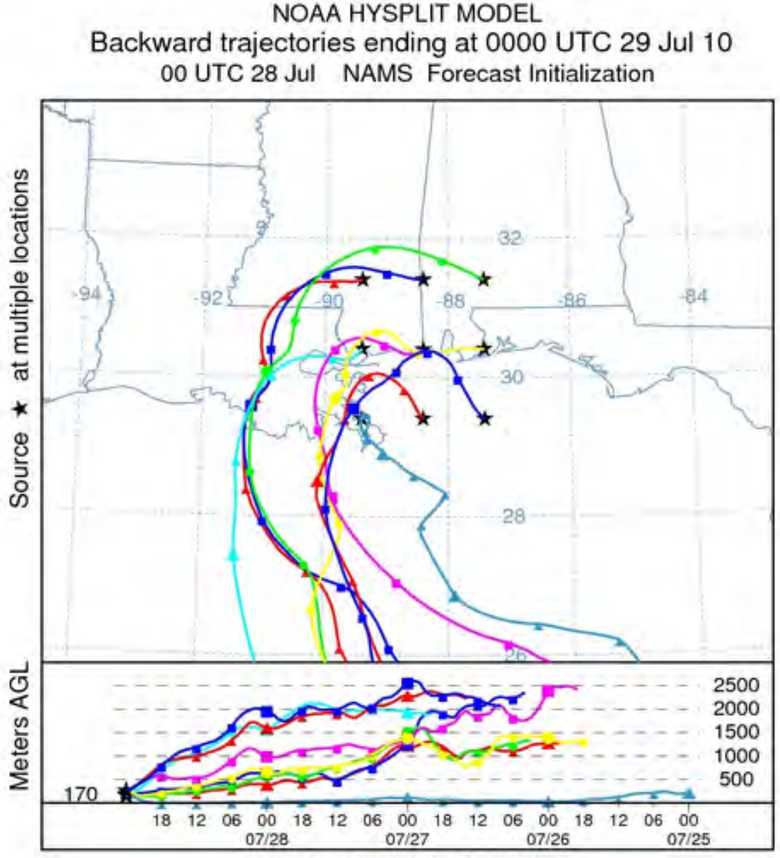
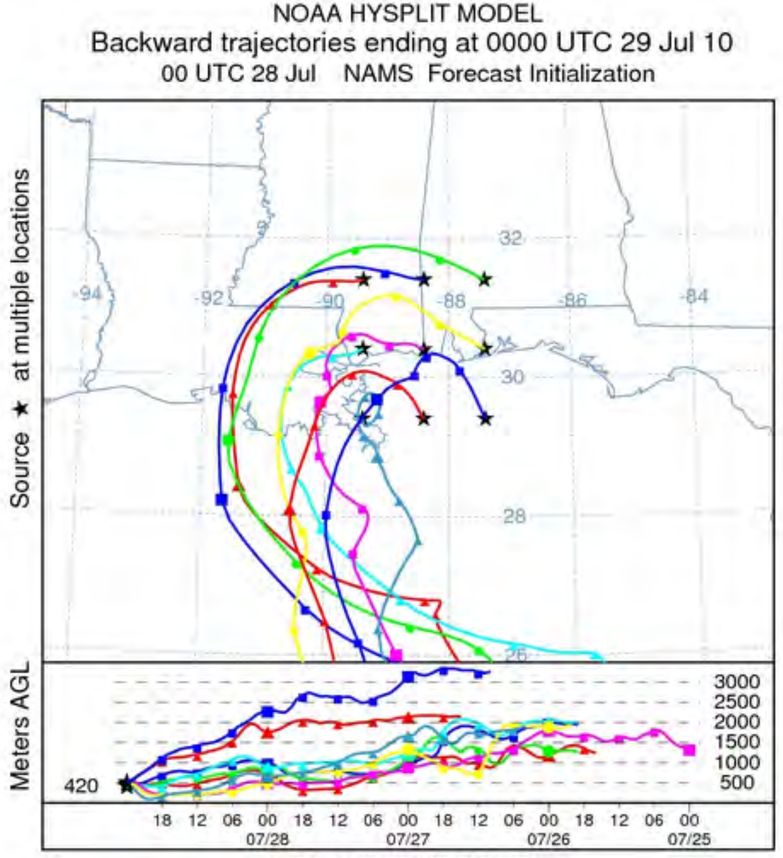
500
18 12 06 00 18 12 06 00 18 12 06
07/28 07/27

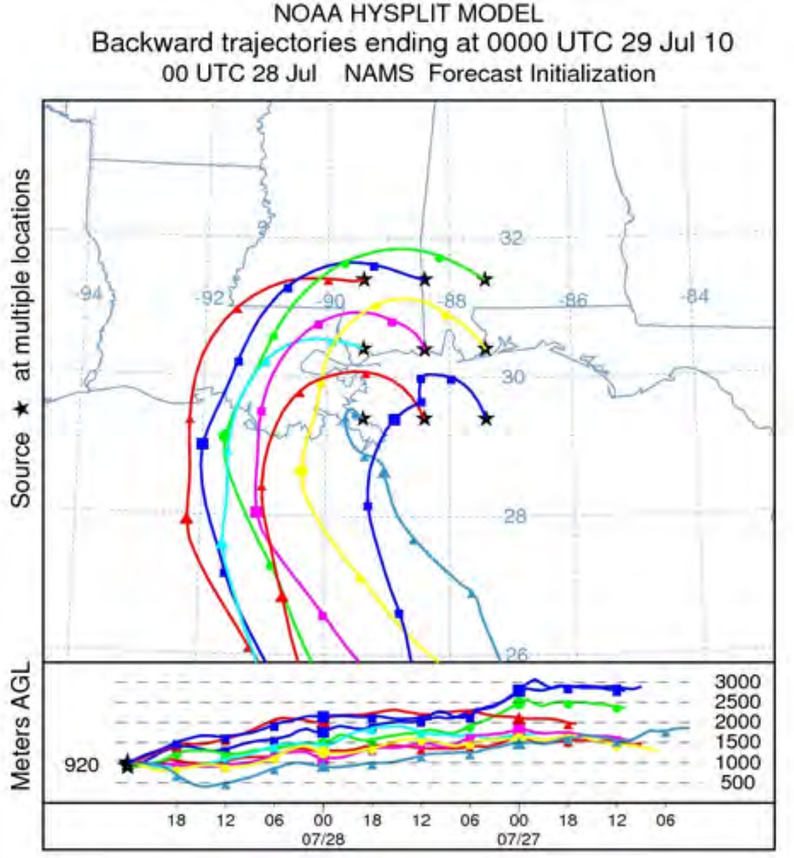

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
1920
3000
2500
2000
1500
18 12 06 00 18 12 06 00 18 12
07/28 07/27

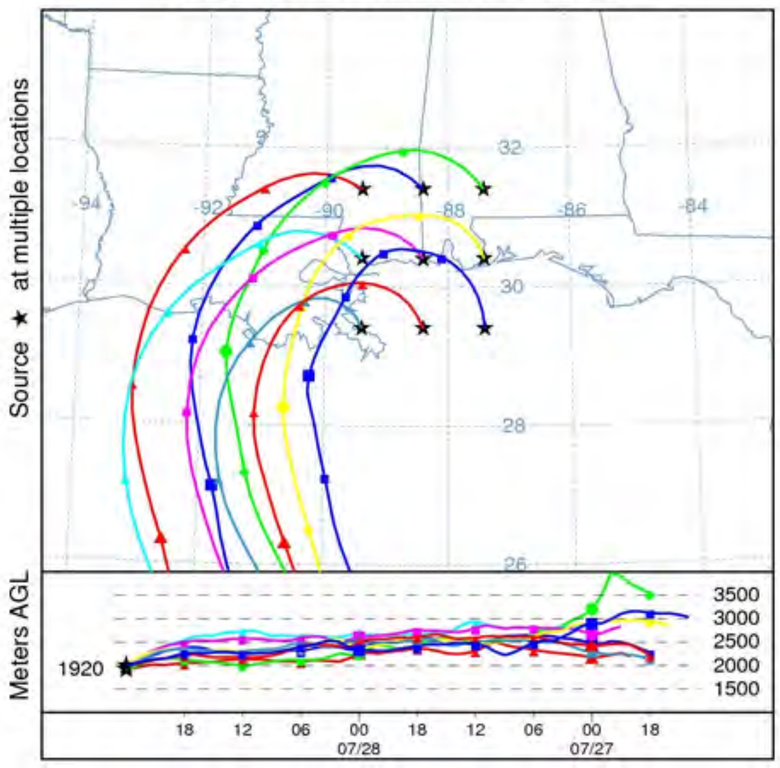

NOAA HYSPLIT MODEL
Backward trajectories ending at 2300 UTC 28 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2919
3500
3000
2500
18 12 06 00 18 12 06 00 18
07/28 07/27


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 HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 29 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2500
2000
1500
1000
500
170
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 29 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
3000
2500
2000
1500
1000
500
420
18 12 06 00 18 12 06 00 18 12 06 00 18 12 06 00
07/28 07/27 07/26 07/25


NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 29 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
3000
2500
2000
1500
1000
500
920
18 12 06 00 18 12 06 00 18 12 06
07/28 07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 29 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
3500
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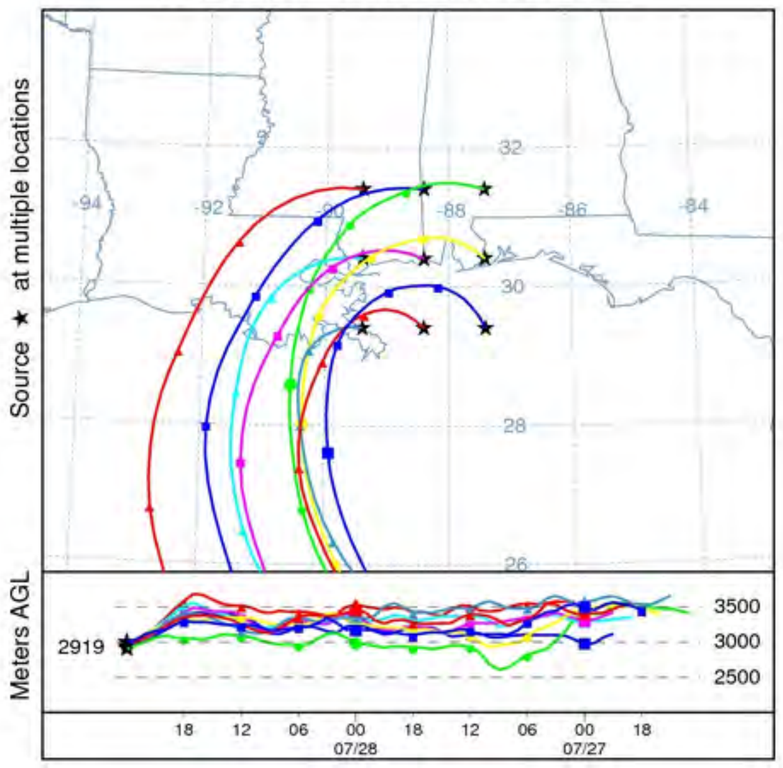
1920
18 12 06 00 18 12 06 00 18
07/28 07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 0000 UTC 29 Jul 10
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Source ★ at multiple locations
Meters AGL
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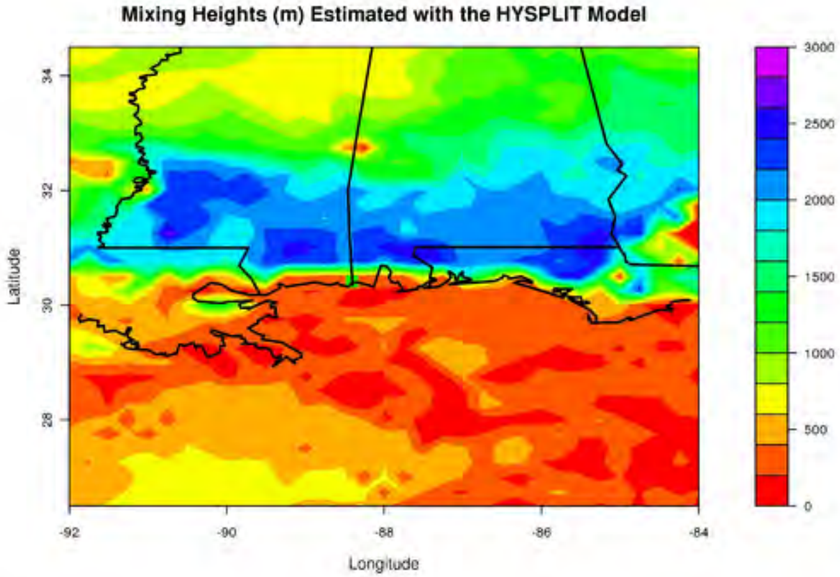
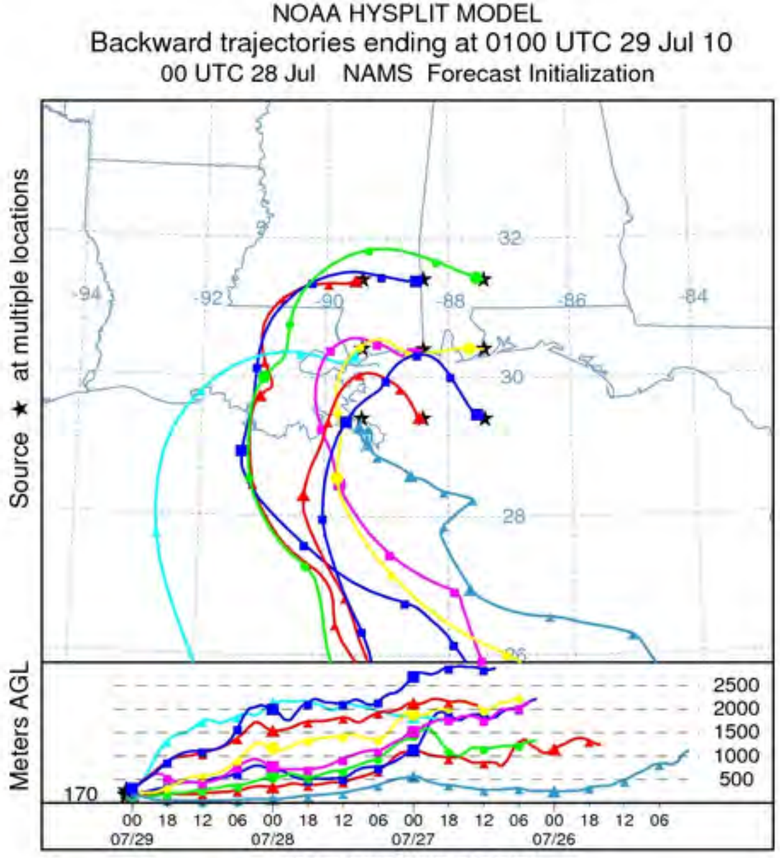
2500
2919
18 12 06 00 18 12 06 00 18
07/28 07/27


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 HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 29 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
170
2500
2000
1500
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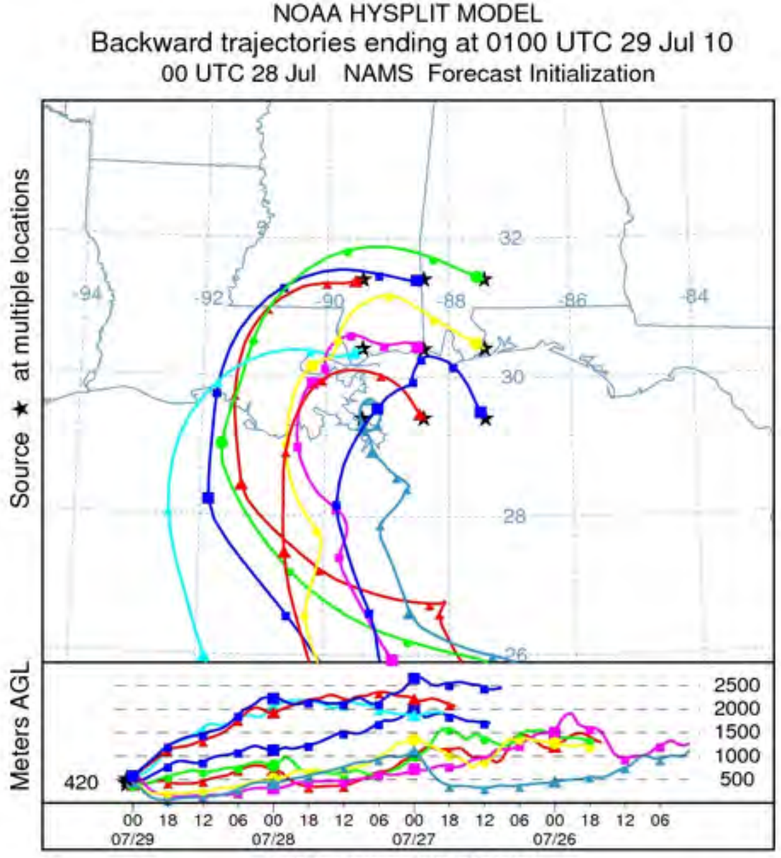
500
00 18 12 06 00 18 12 06 00 18 12 06 00 18 12 06
07/29 07/28 07/27 07/26


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 29 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
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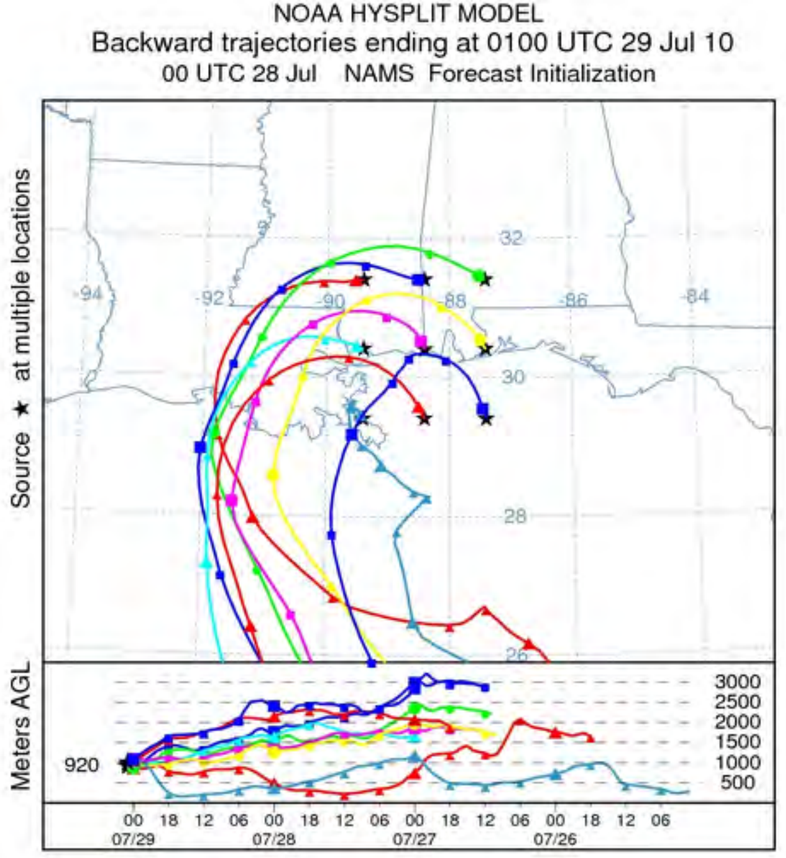
00 18 12 06 00 18 12 06 00 18 12 06 00 18 12 06
07/29 07/28 07/27 07/26


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 29 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
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3000
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1500
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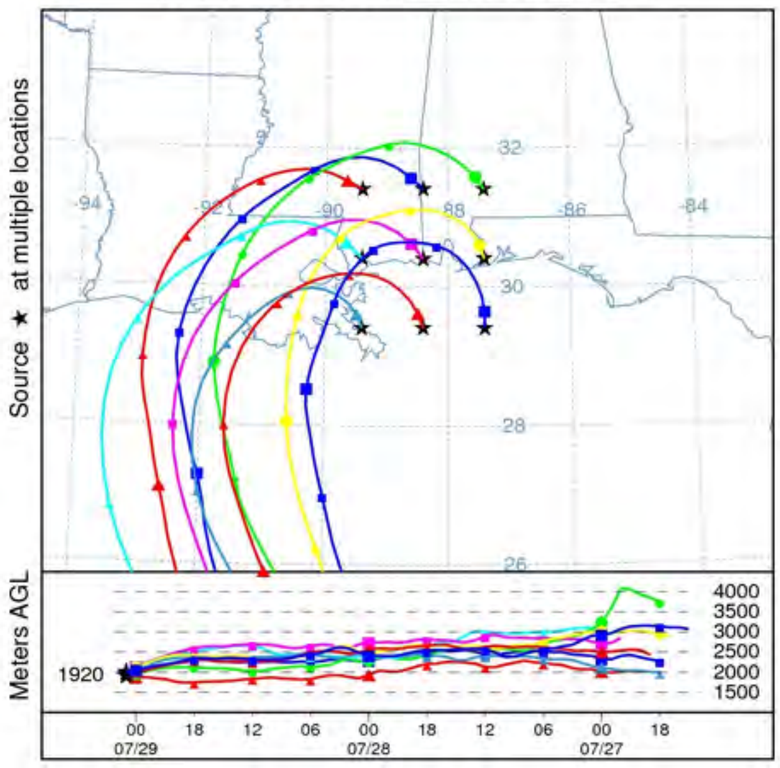
500
00 18 12 06 00 18 12 06 00 18 12 06 00 18 12 06
07/29 07/28 07/27 07/26


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 29 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
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1920
4000
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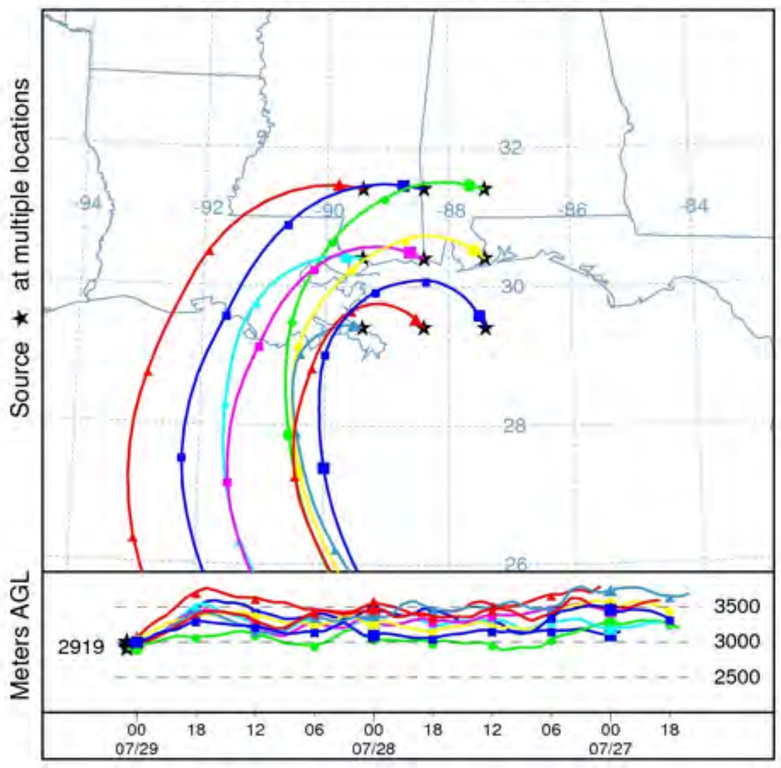
00 18 12 06 00 18 12 06 00 18 12 06
07/29 07/28 07/27


NOAA HYSPLIT MODEL
Backward trajectories ending at 0100 UTC 29 Jul 10
00 UTC 28 Jul NAMS Forecast Initialization
Source ★ at multiple locations
Meters AGL
2919
3500
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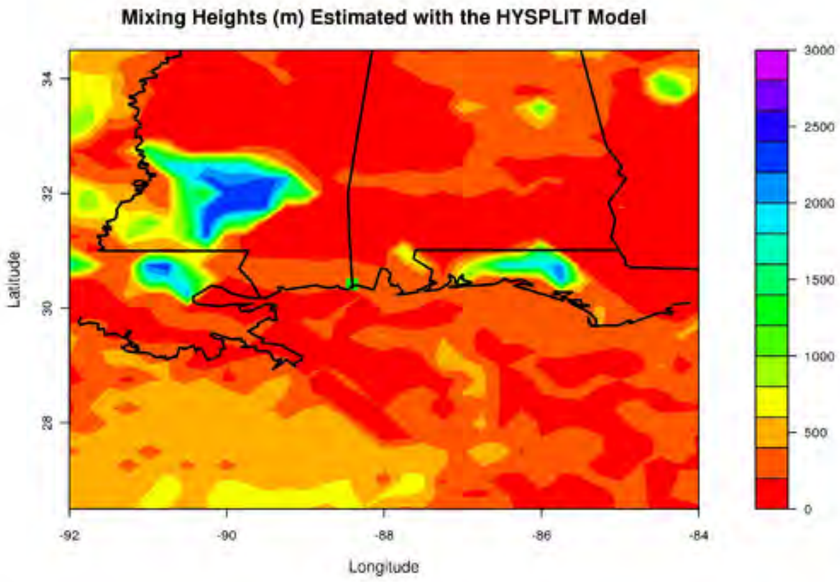
2500
00 18 12 06 00 18 12 06 00 18
07/29 07/28 07/27


Mixing Heights (m) Estimated with the HYSPLIT Model
Latitude
Longitude
3000
2500
2000
1500
1000
500
0