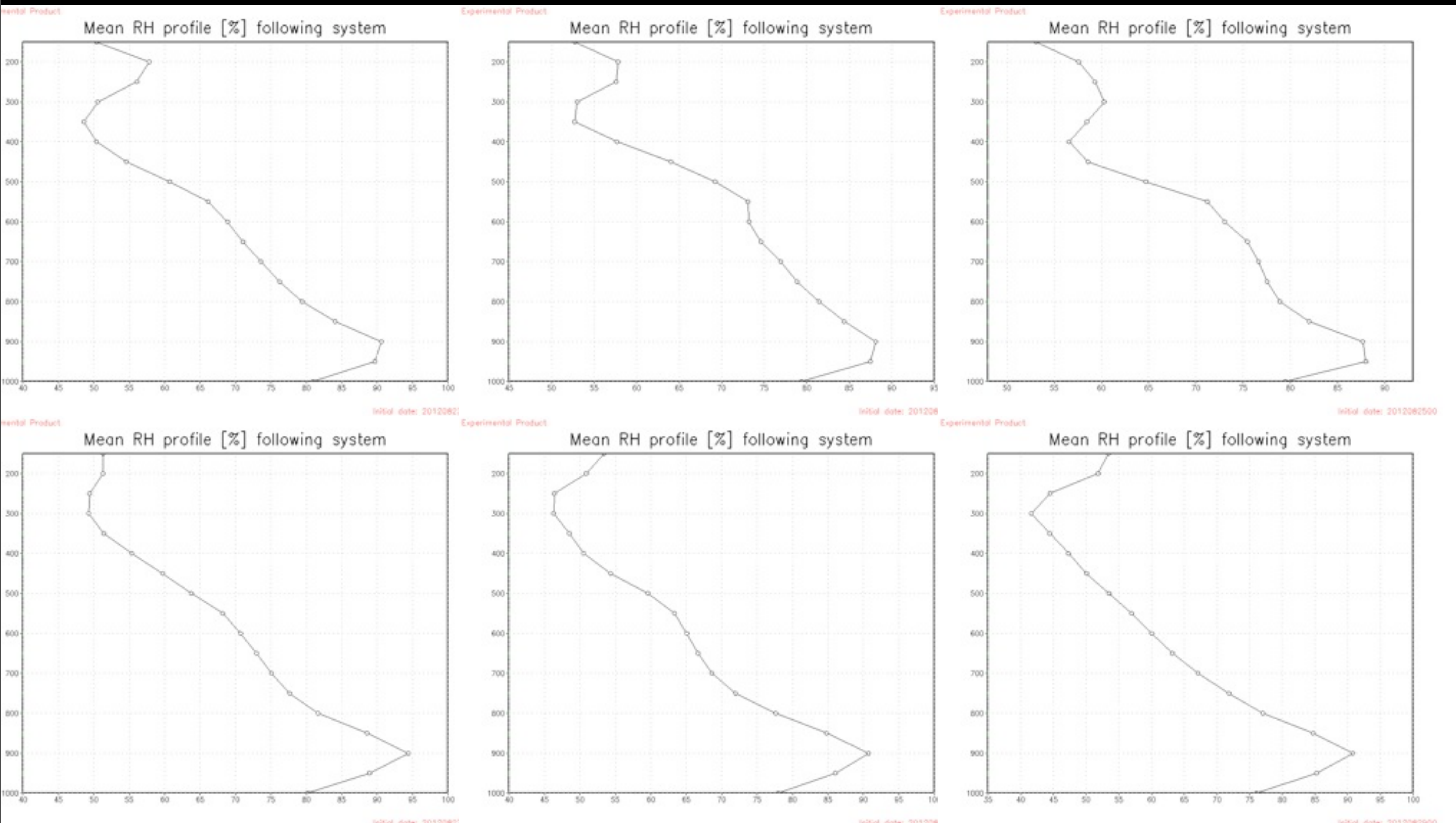
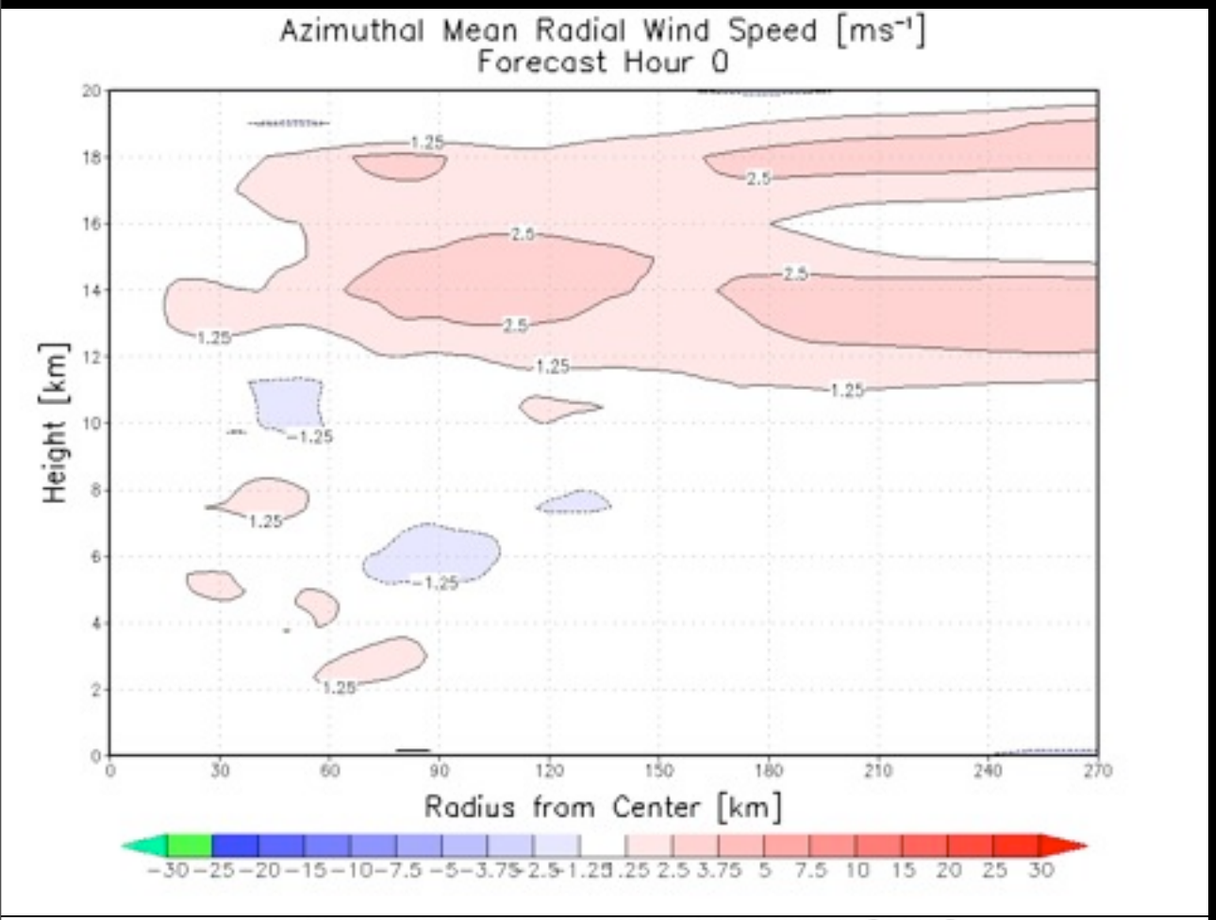
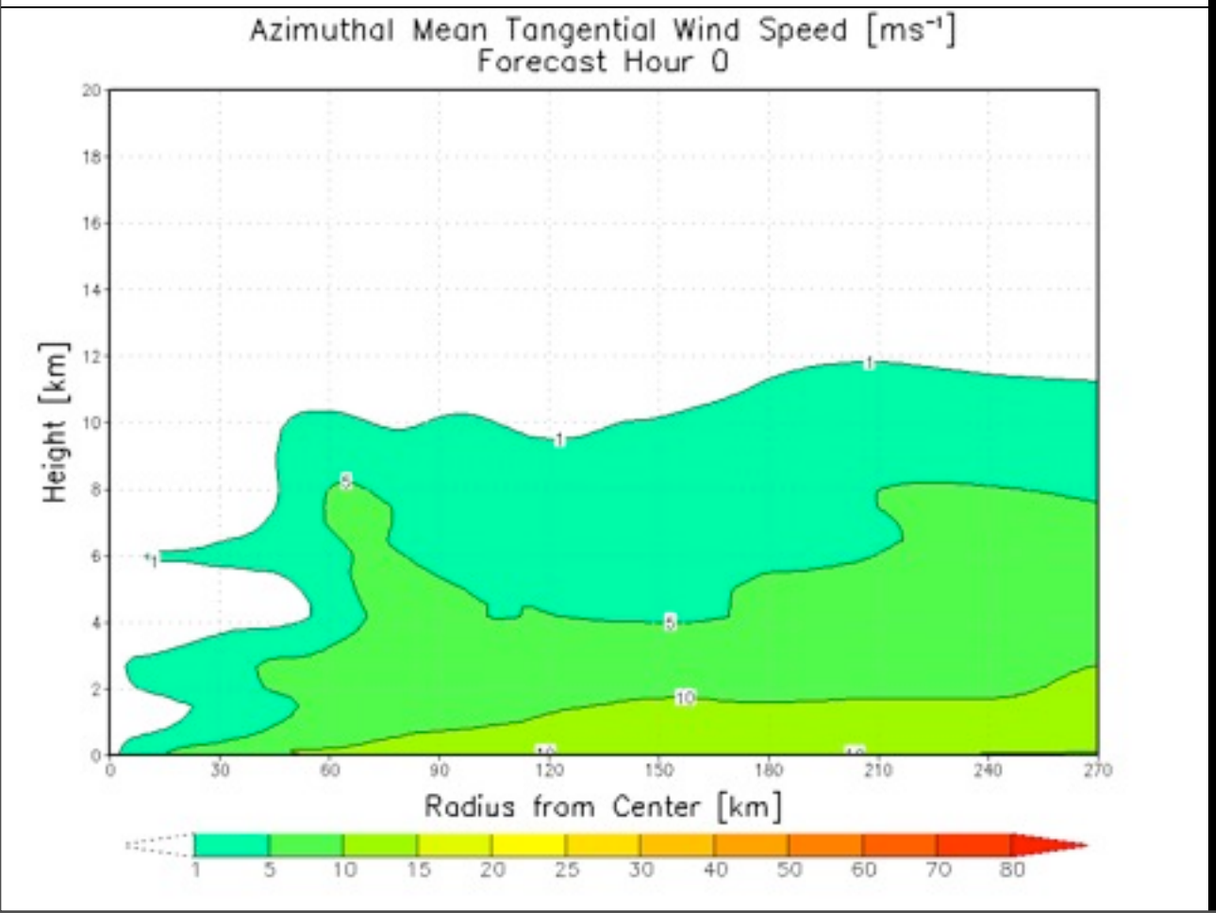
Relative humidity profiles

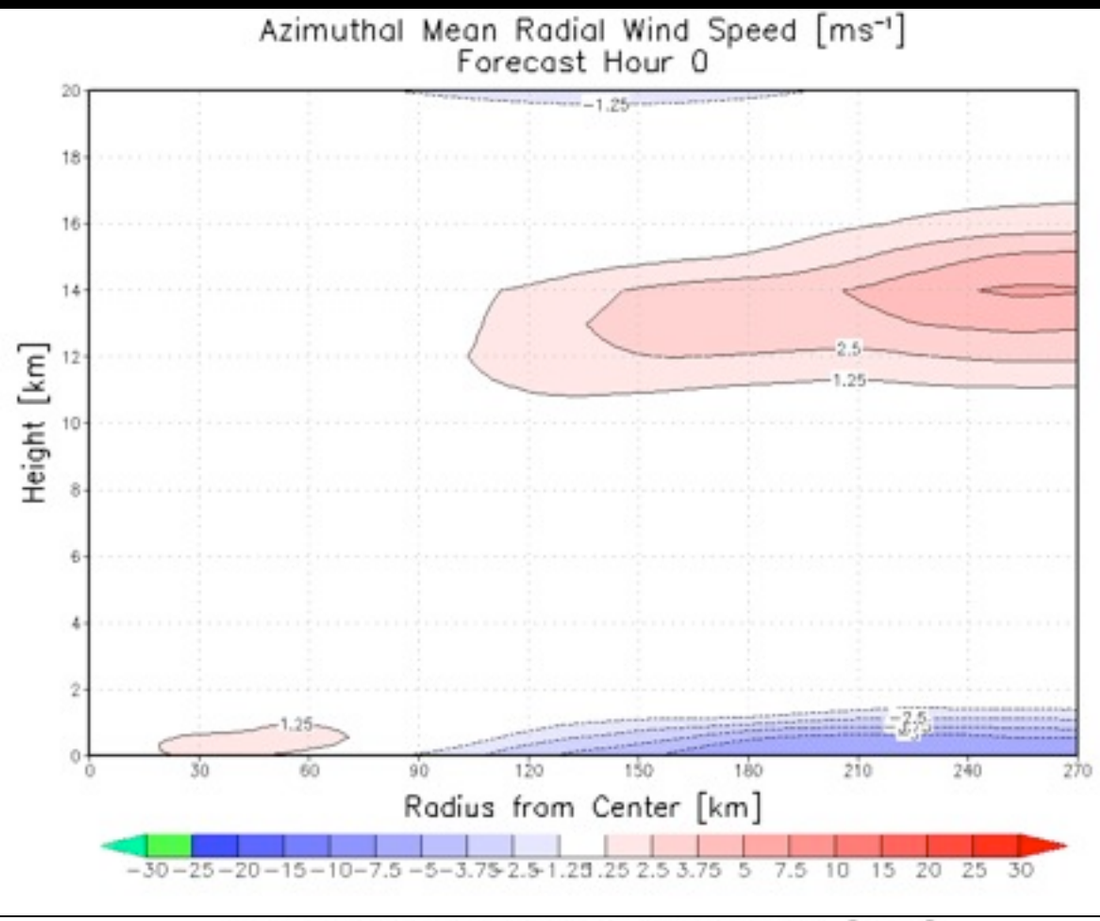


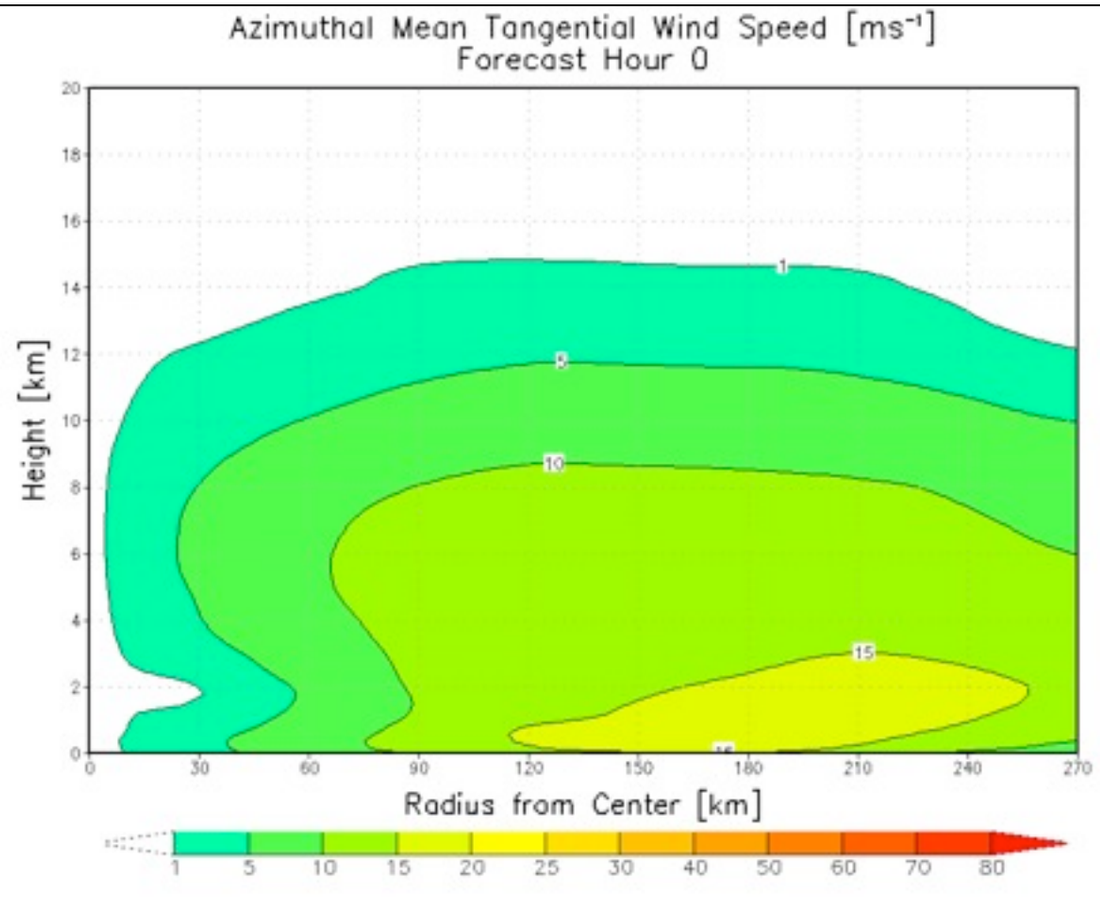
2012082300



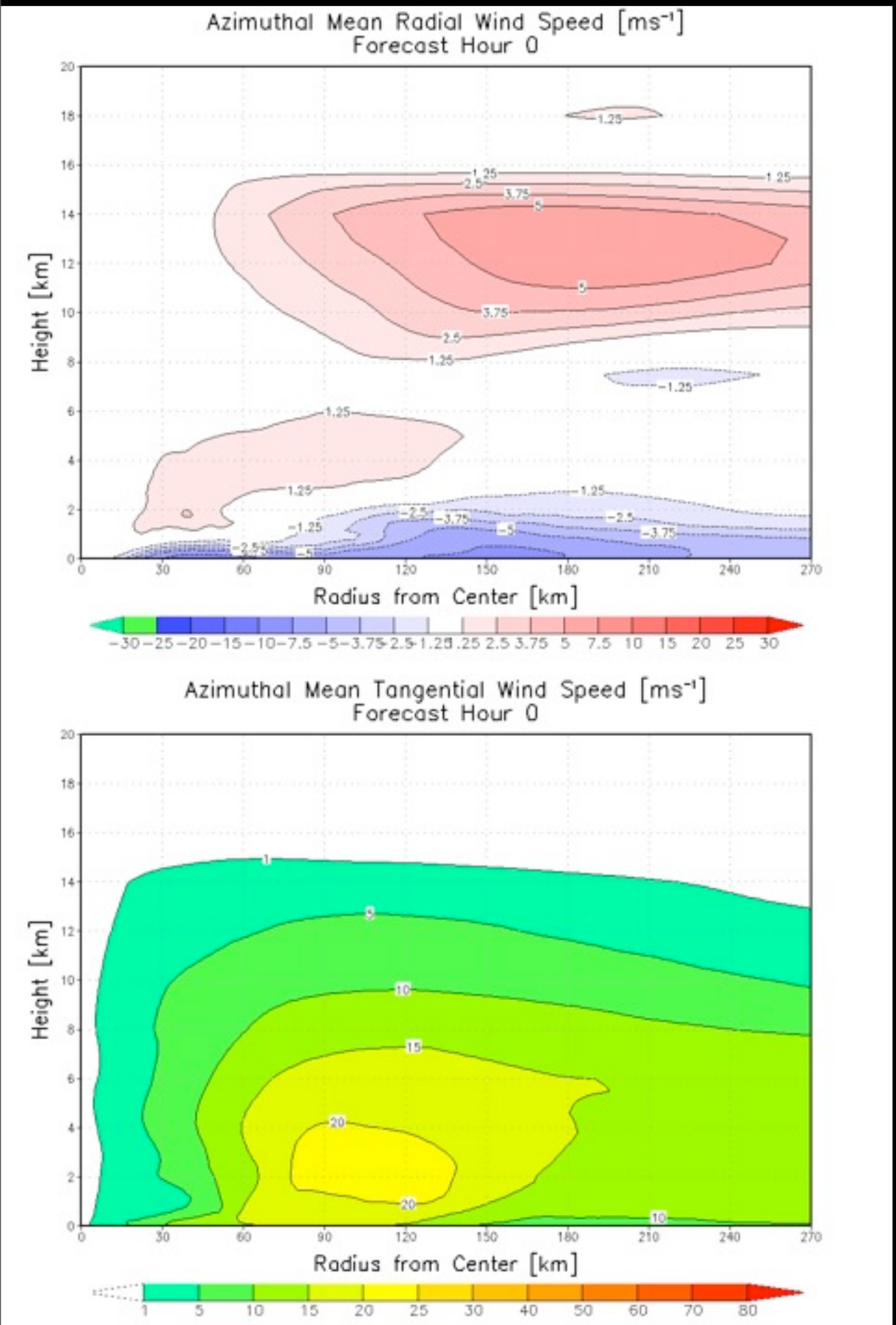


2012082406

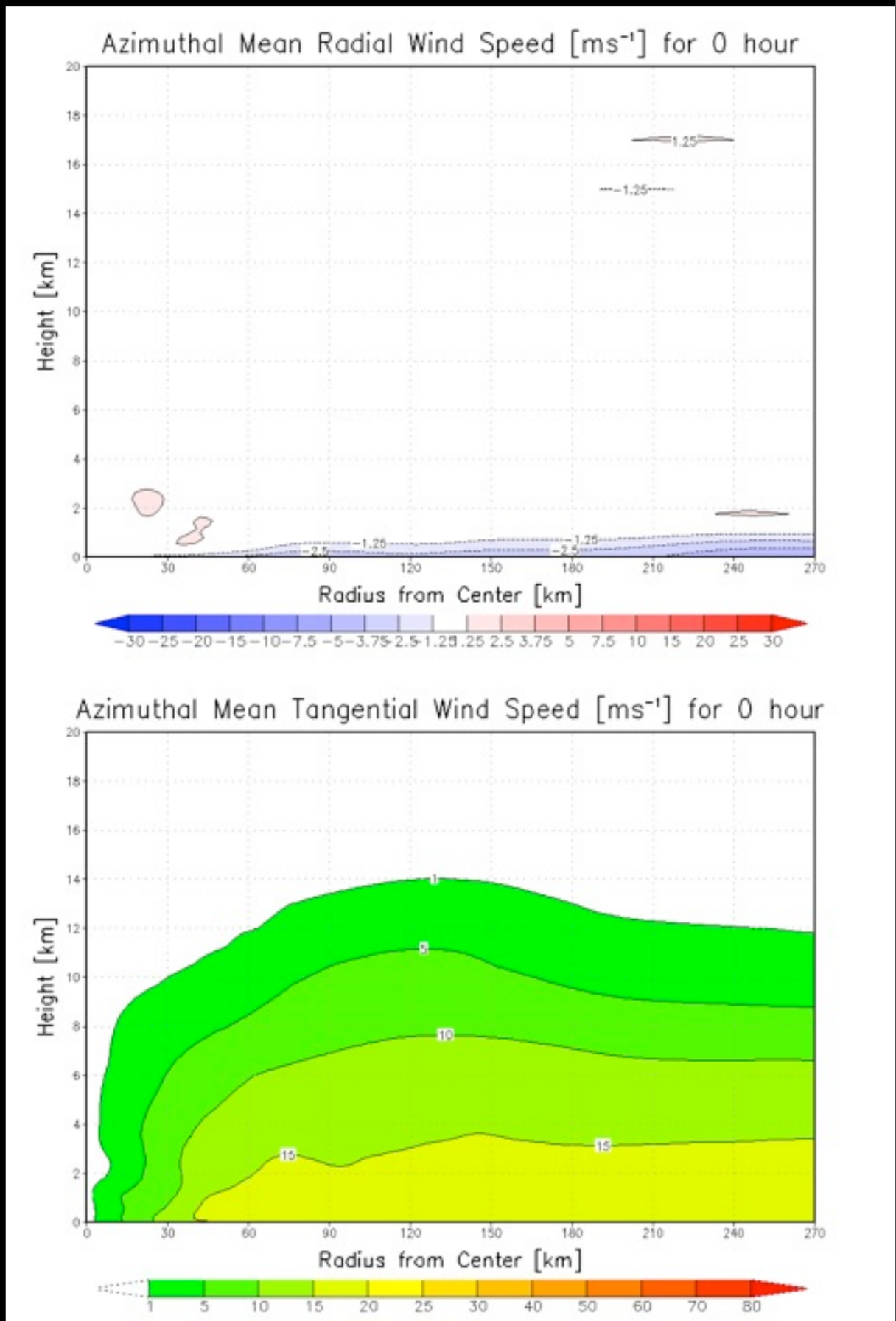




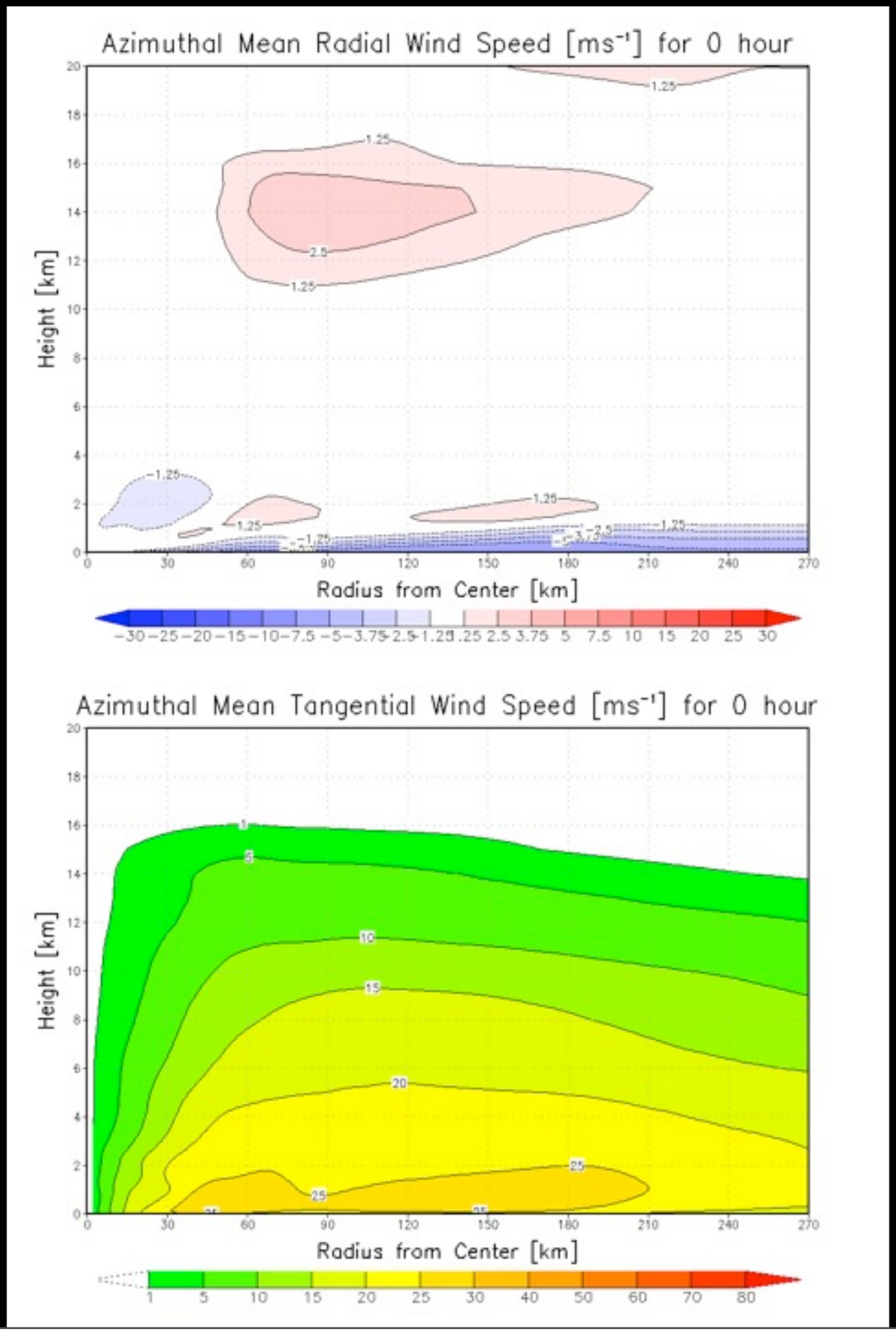
2012082500

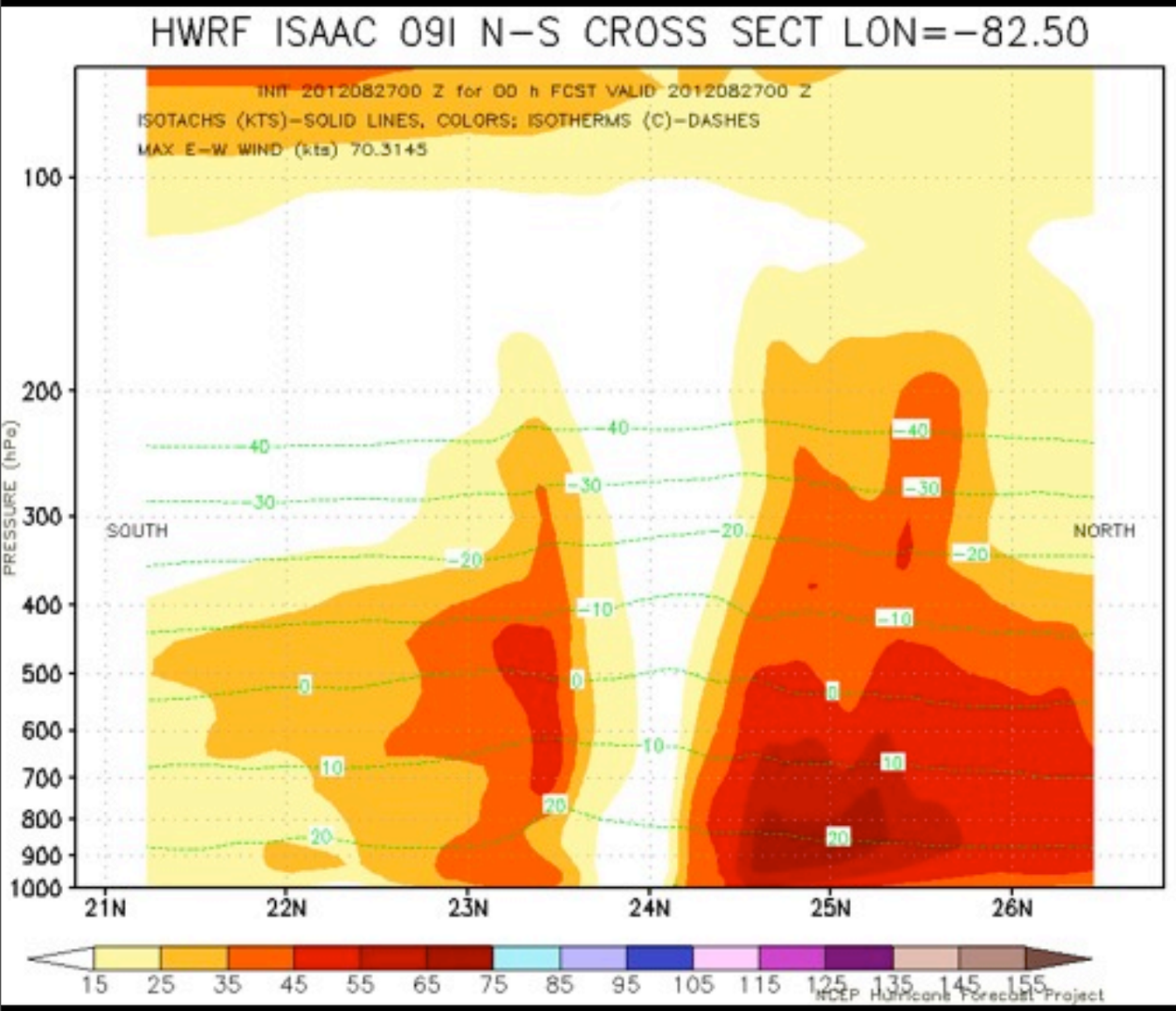


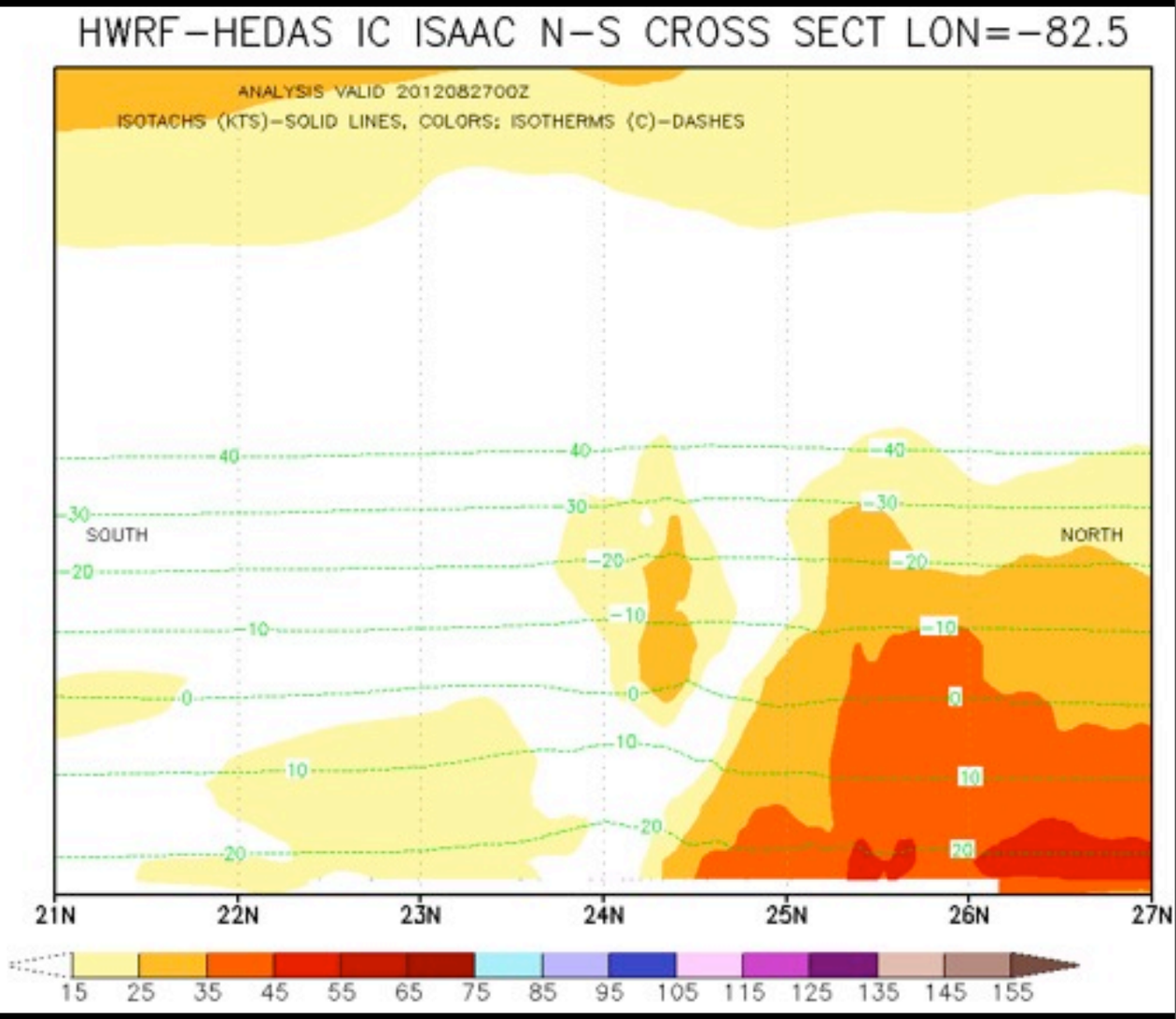
2012082706

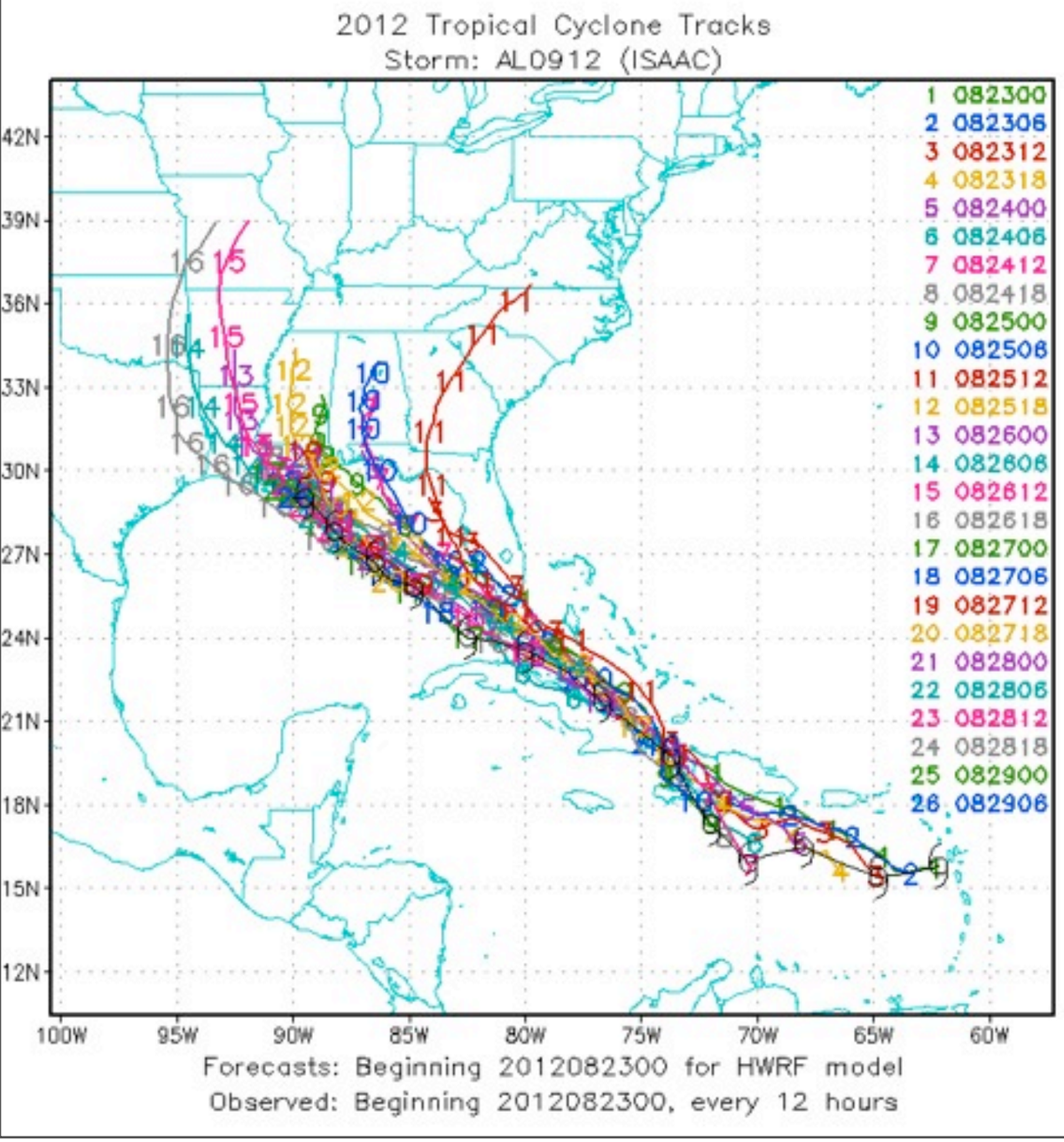


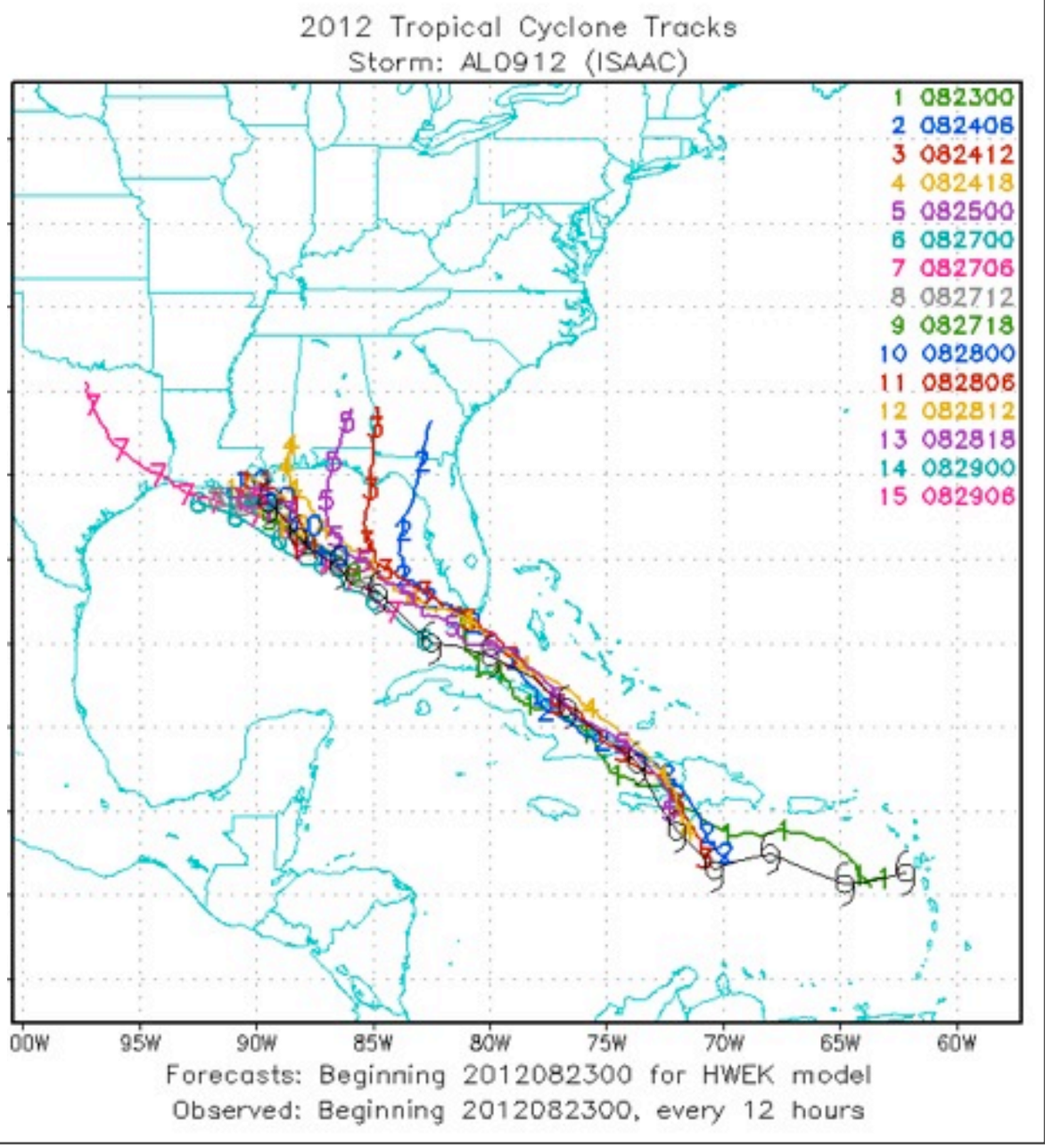
2012082900

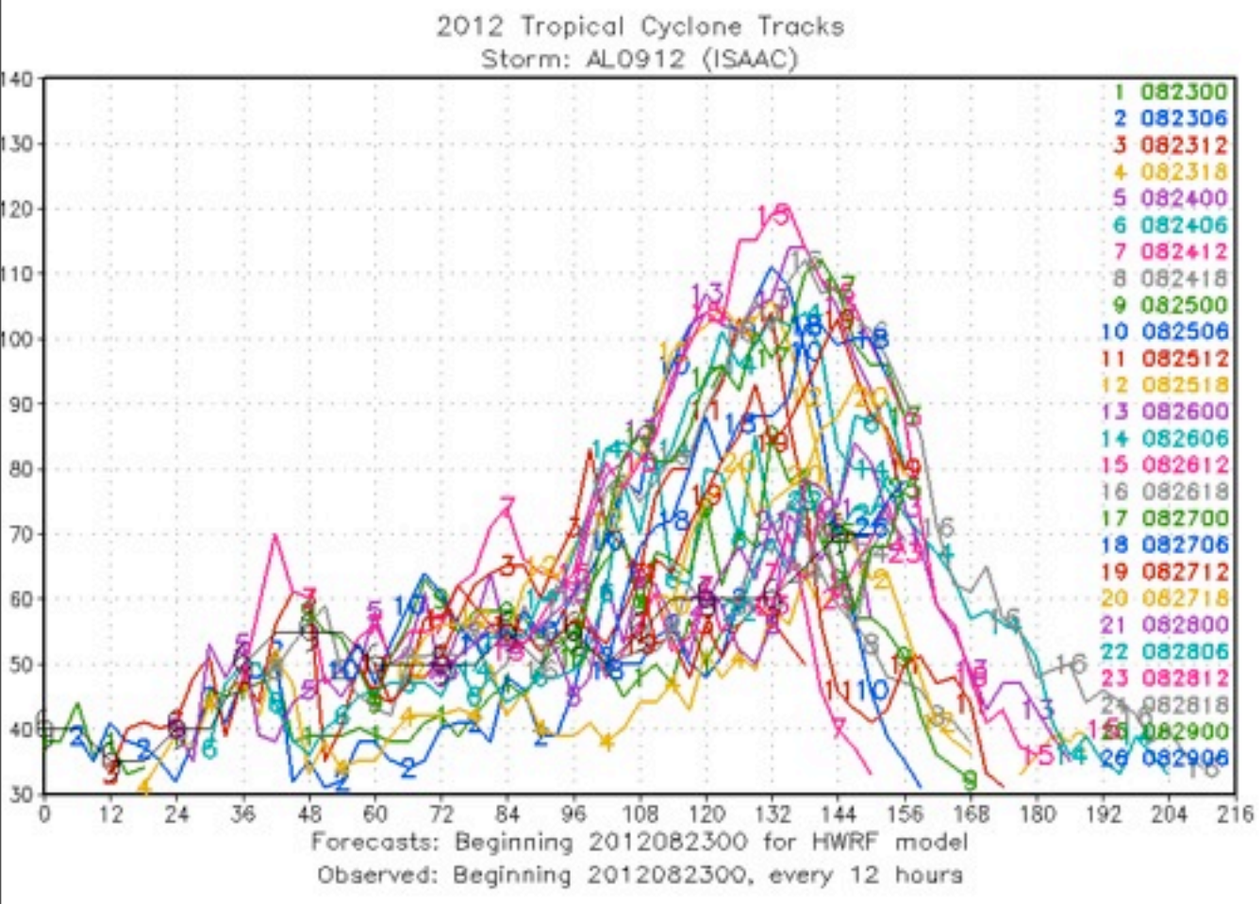

Azimuthal Mean Radial Wind Speed [ms⁻¹] for 0 hour
Height [km]
Radius from Center [km]
−30 −25 −20 −15 −10 −7.5 −5 −3.75 −2.5 −1.25 1.25 2.5 3.75 5 7.5 10 15 20 25 30
Azimuthal Mean Tangential Wind Speed [ms⁻¹] for 0 hour
Height [km]
Radius from Center [km]
1 5 10 15 20 25 30 40 50 60 70 80

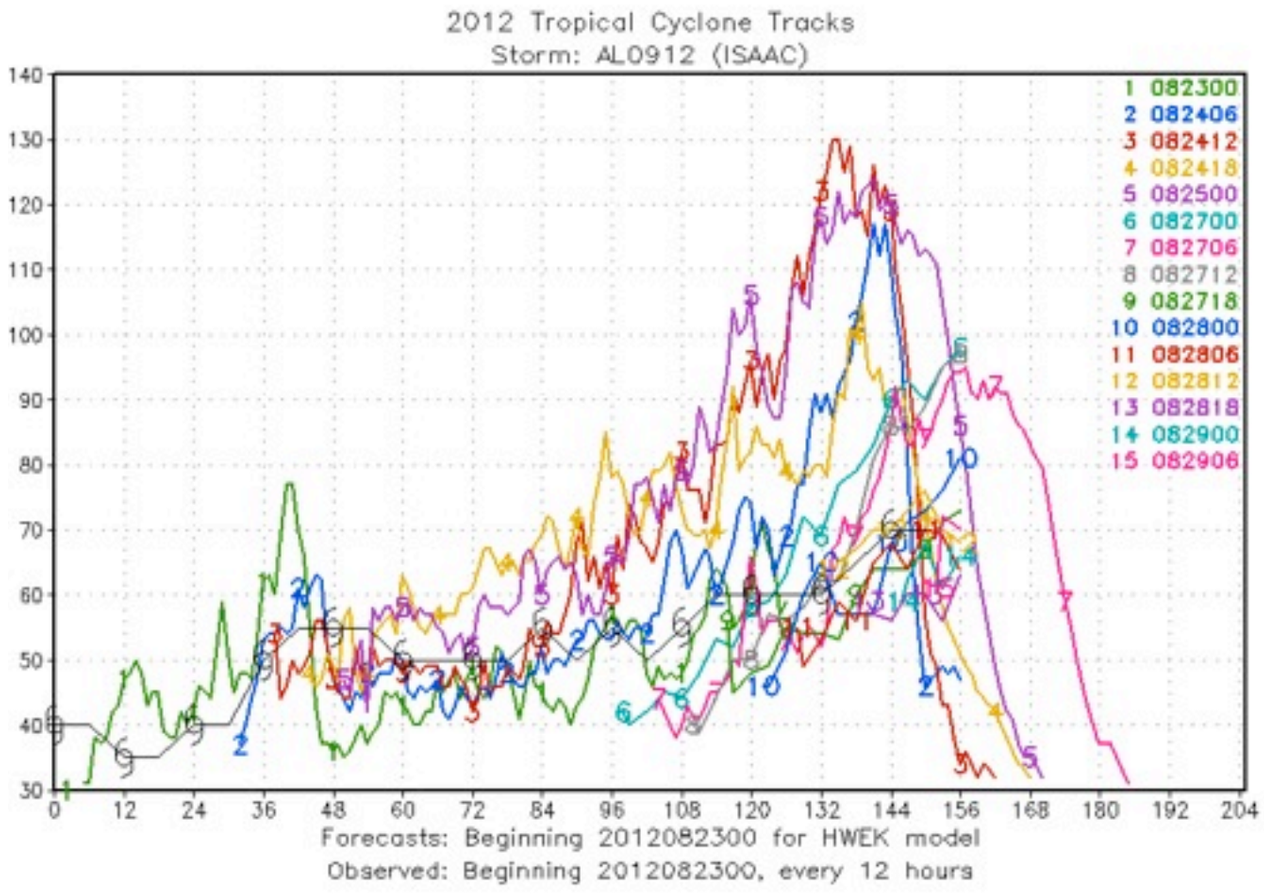

HWRF ISAAC 09I N-S CROSS SECT LON=-82.50
INIT 2012082700 Z for 00 h FCST VALID 2012082700 Z
ISOTACHS (KTS)-SOLID LINES, COLORS; ISOTHERMS (C)-DASHES
MAX E-W WIND (kts) 70.3145
PRESSURE (hPa)
100
200
300
400
500
600
700
800
900
1000
SOUTH
NORTH
21N
22N
23N
24N
25N
26N
15 25 35 45 55 65 75 85 95 105 115 125 135 145 155
JHT Hurricane Forecast Project

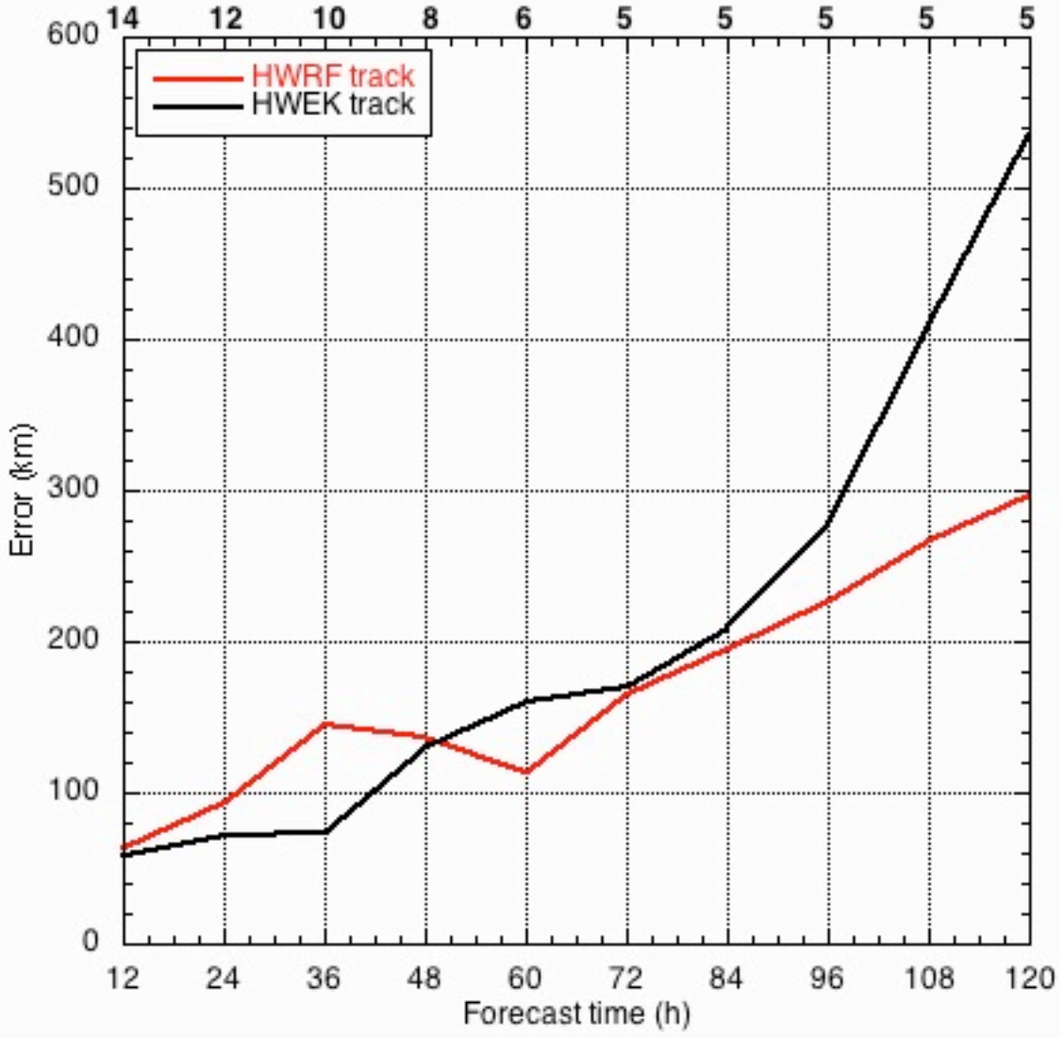

HWRF-HEDAS IC ISAAC N-S CROSS SECT LON=-82.5
ANALYSIS VALID 2012082700Z
ISOTACHS (KTS)-SOLID LINES, COLORS; ISOTHERMS (C)-DASHES
SOUTH
NORTH
21N
22N
23N
24N
25N
26N
27N
15 25 35 45 55 65 75 85 95 105 115 125 135 145 155

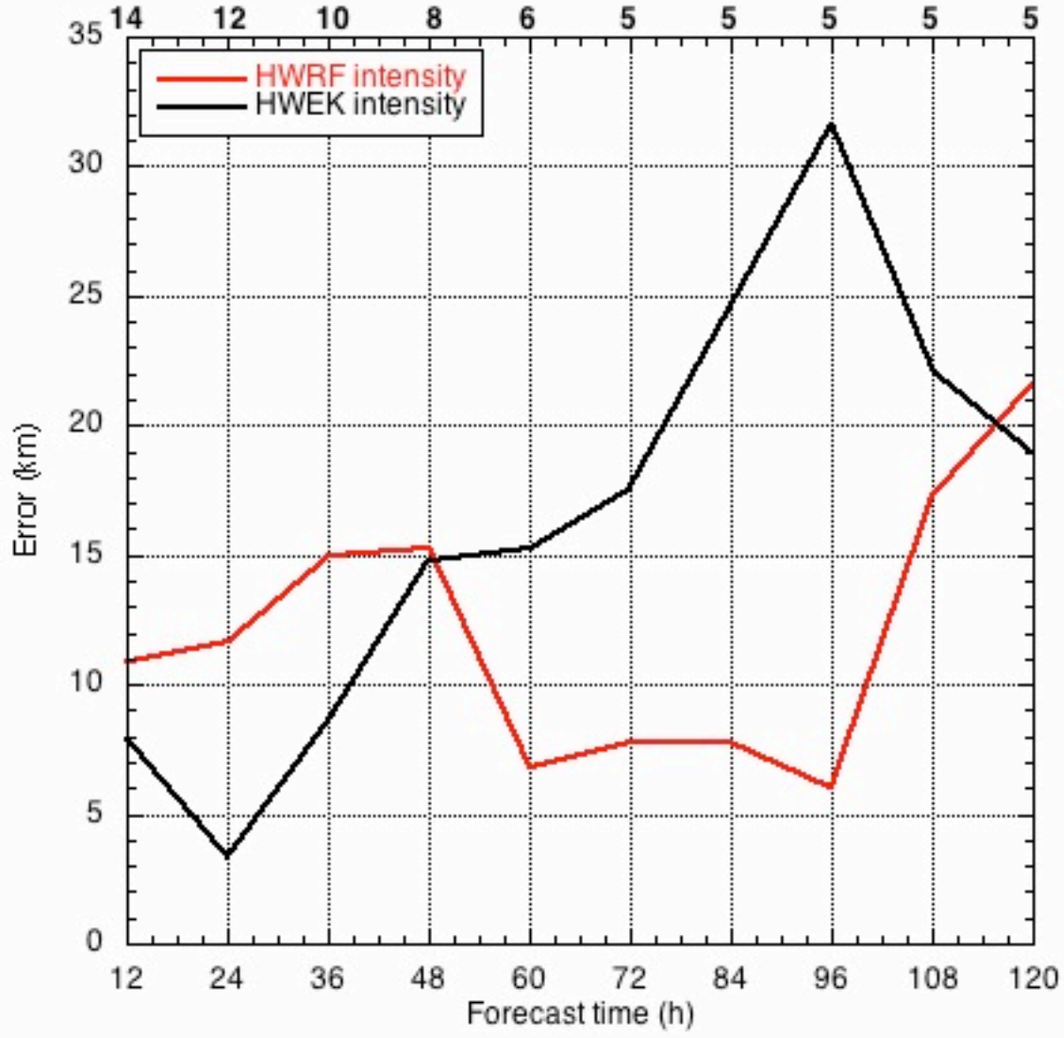

2012 Tropical Cyclone Tracks
Storm: AL0912 (ISAAC)
1 082300
2 082306
3 082312
4 082318
5 082400
6 082406
7 082412
8 082418
9 082500
10 082506
11 082512
12 082518
13 082600
14 082606
15 082612
16 082618
17 082700
18 082706
19 082712
20 082718
21 082800
22 082806
23 082812
24 082818
25 082900
26 082906
42N
39N
36N
33N
30N
27N
24N
21N
18N
15N
12N
100W
95W
90W
85W
80W
75W
70W
65W
60W
Forecasts: Beginning 2012082300 for HWRF model
Observed: Beginning 2012082300, every 12 hours

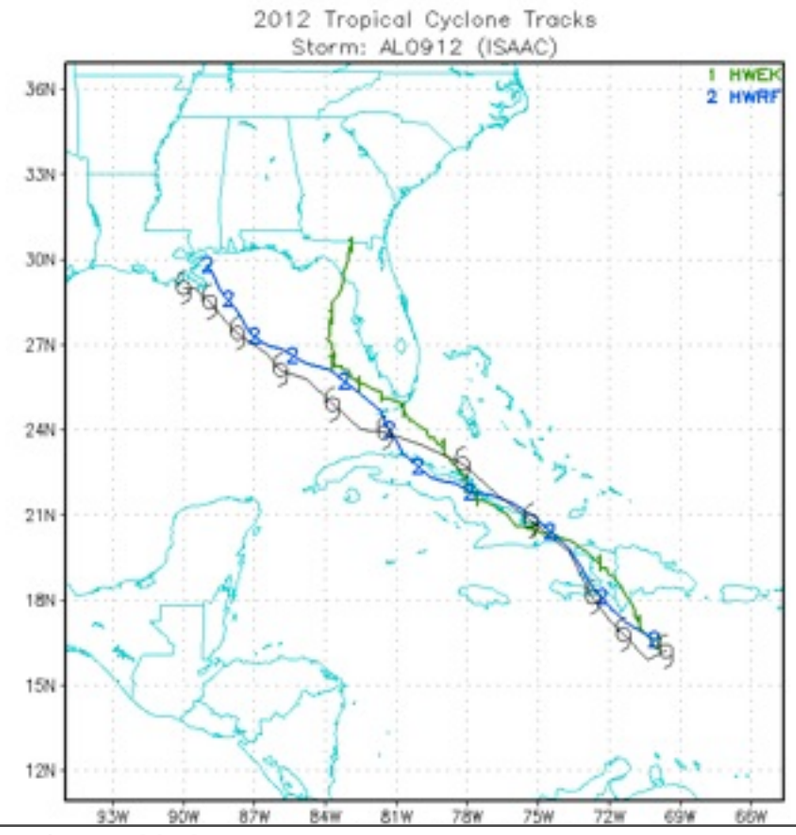

2012 Tropical Cyclone Tracks
Storm: AL0912 (ISAAC)
1 082300
2 082406
3 082412
4 082418
5 082500
6 082700
7 082706
8 082712
9 082718
10 082800
11 082806
12 082812
13 082818
14 082900
15 082906
00W
95W
90W
85W
80W
75W
70W
65W
60W
Forecasts: Beginning 2012082300 for HWEK model
Observed: Beginning 2012082300, every 12 hours

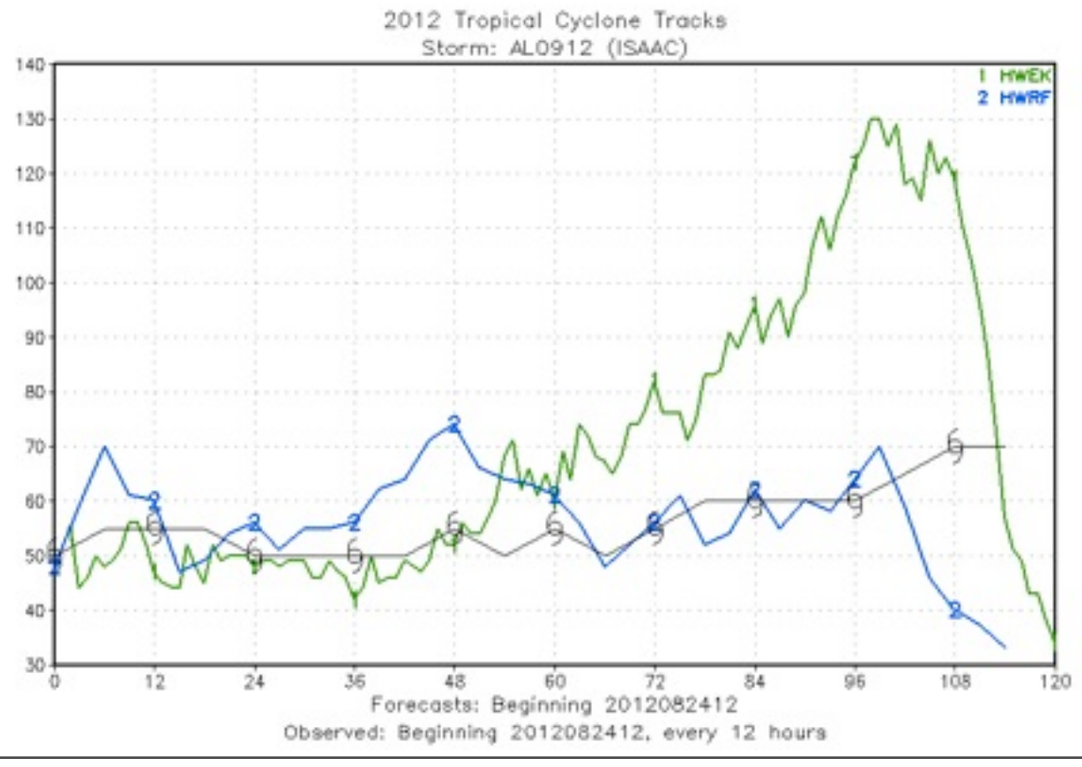

2012 Tropical Cyclone Tracks
Storm: AL0912 (ISAAC)
1 082300
2 082306
3 082312
4 082318
5 082400
6 082406
7 082412
8 082418
9 082500
10 082506
11 082512
12 082518
13 082600
14 082606
15 082612
16 082618
17 082700
18 082706
19 082712
20 082718
21 082800
22 082806
23 082812
24 082818
25 082900
26 082906
Forecasts: Beginning 2012082300 for HWRF model
Observed: Beginning 2012082300, every 12 hours


2012 Tropical Cyclone Tracks
Storm: AL0912 (ISAAC)
1 082300
2 082406
3 082412
4 082418
5 082500
6 082700
7 082706
8 082712
9 082718
10 082800
11 082806
12 082812
13 082818
14 082900
15 082906
Forecasts: Beginning 2012082300 for HWEK model
Observed: Beginning 2012082300, every 12 hours

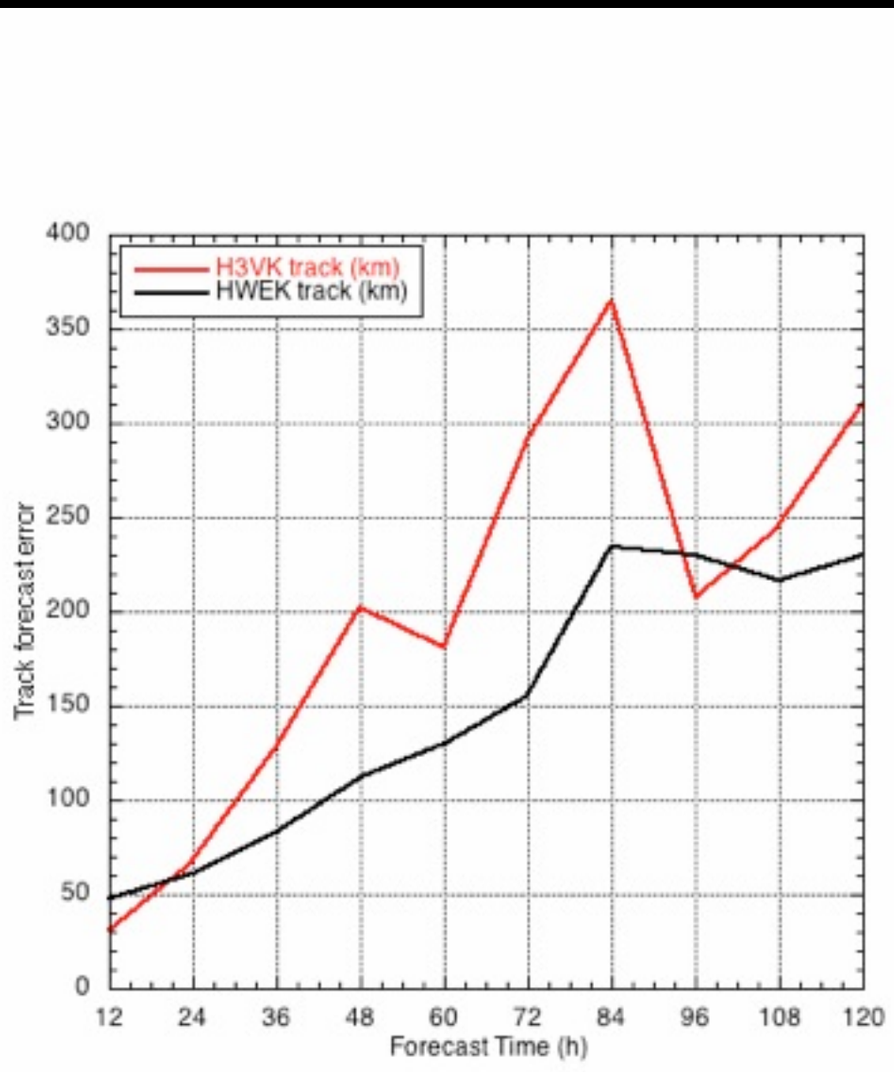

HWRF track
HWEK track
Error (km)
Forecast time (h)


HWRF intensity
HWEK intensity
Error (km)
Forecast time (h)


2012 Tropical Cyclone Tracks
Storm: AL0912 (ISAAC)
1 HWEK
2 HWRF


2012 Tropical Cyclone Tracks
Storm: AL0912 (ISAAC)
1 HWEK
2 HWRF
Forecasts: Beginning 2012082412
Observed: Beginning 2012082412, every 12 hours

HEDAS is now running in real time.
Analyses look good.
Small sample so far.
On particularly bad track forecast and one particularly bad intensity forecast.
Otherwise, HEDAS is showing promise.



Earl