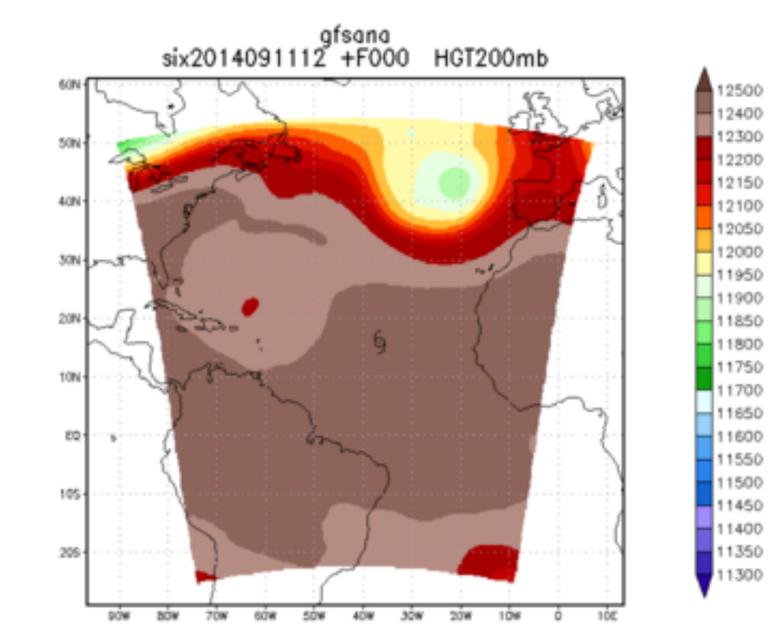
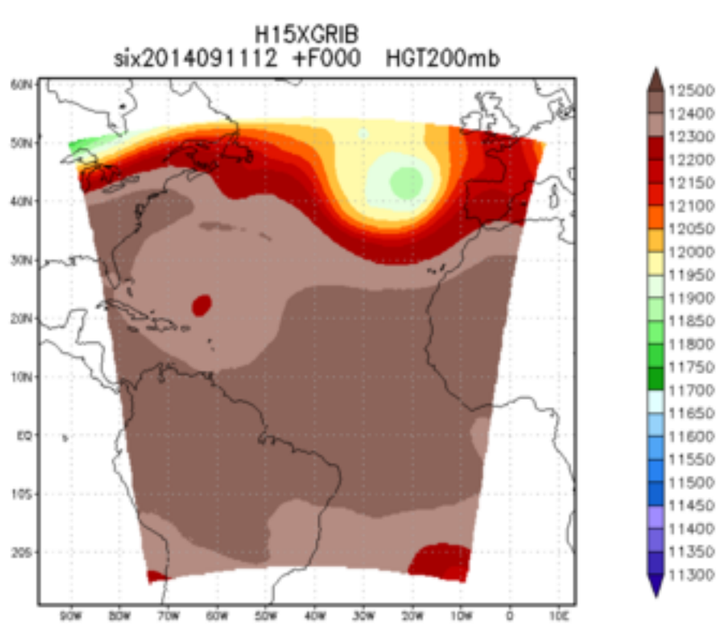
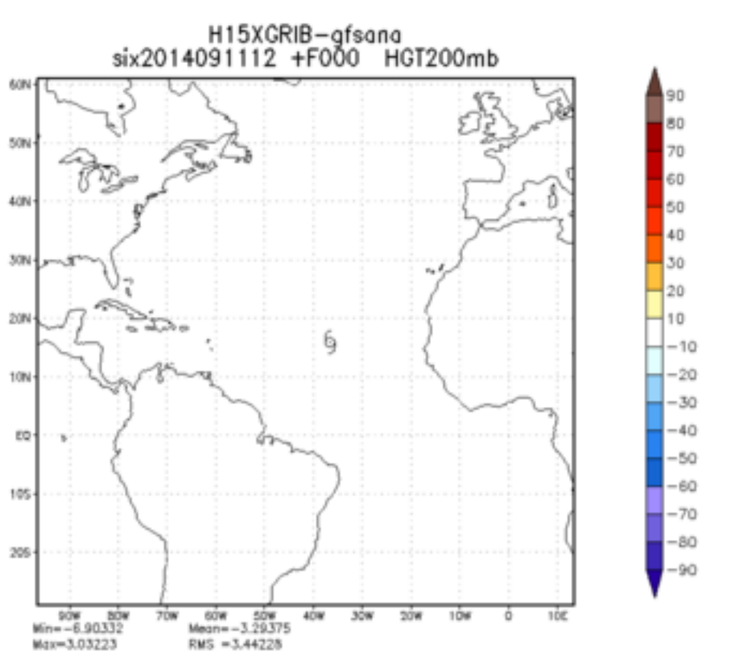
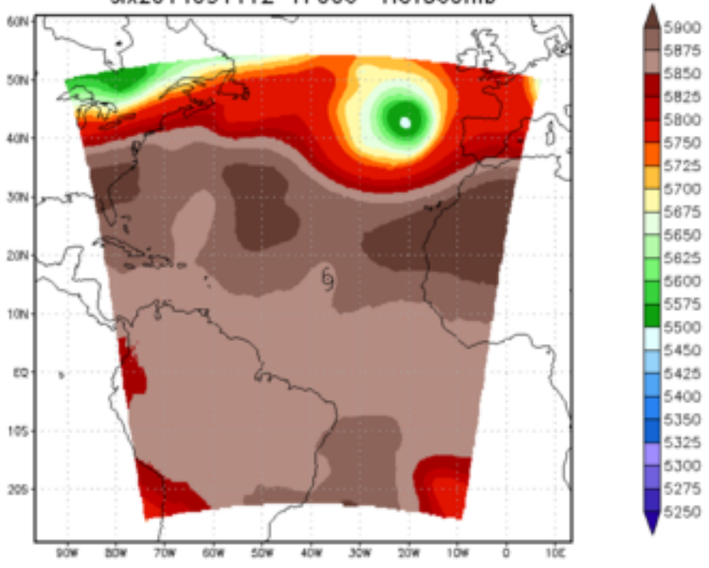
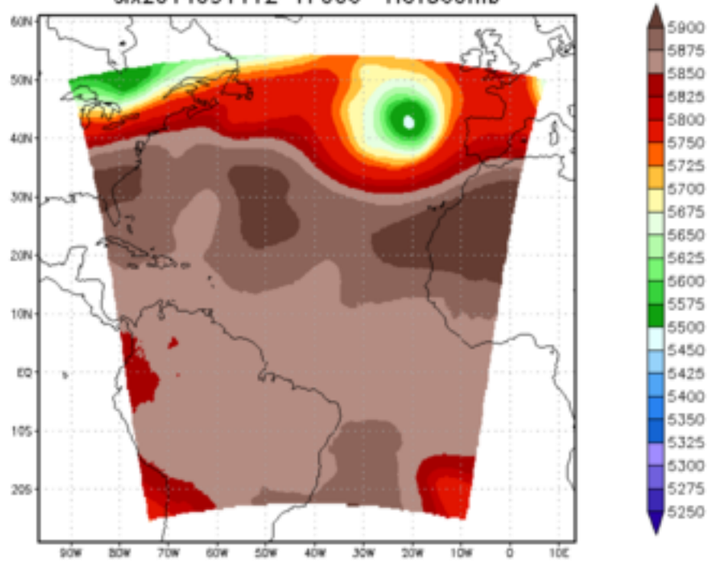
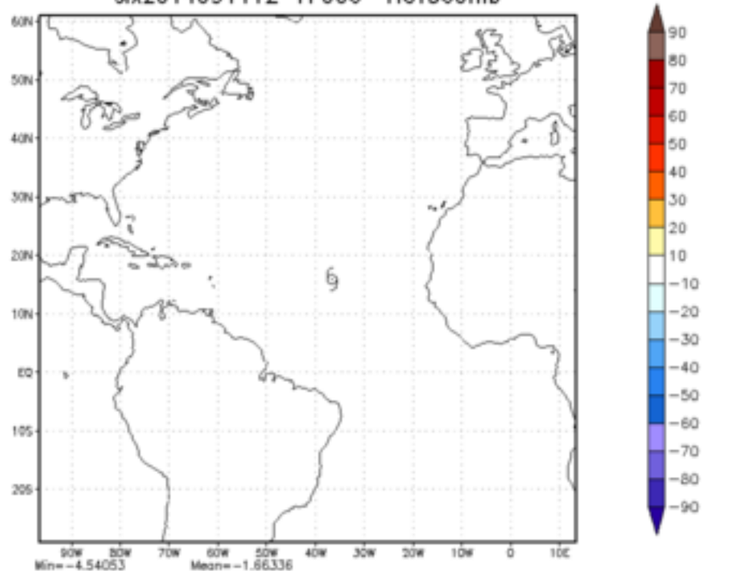

gfsana
six2014091112 +F000 HGT200mb
12500
12400
12300
12200
12150
12100
12050
12000
11950
11900
11850
11800
11750
11700
11650
11600
11550
11500
11450
11400
11350
11300

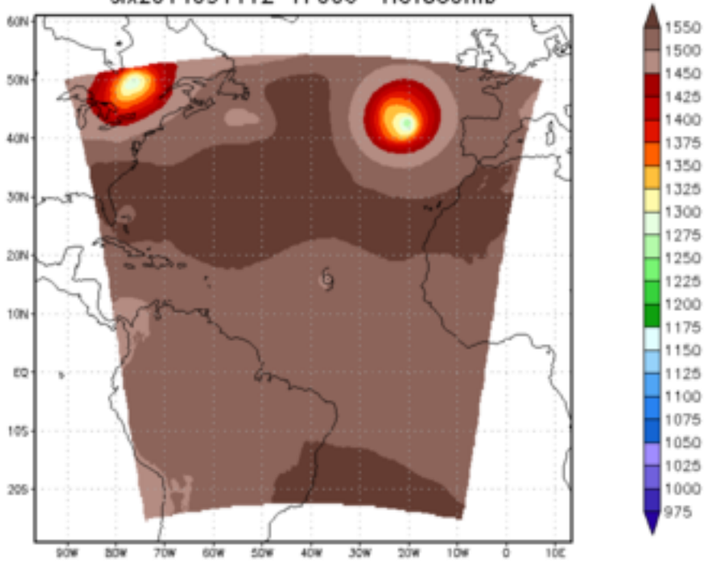

H15XGRIB
six2014091112 +F000 HGT200mb
12500
12400
12300
12200
12150
12100
12050
12000
11950
11900
11850
11800
11750
11700
11650
11600
11550
11500
11450
11400
11350
11300

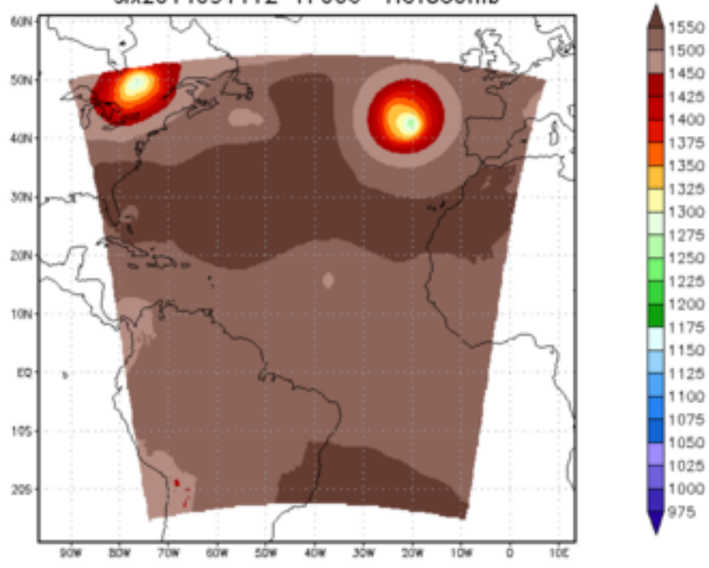

H15XGRIB-gfsana
six2014091112 +F000 HGT200mb
90
80
70
60
50
40
30
20
10
-10
-20
-30
-40
-50
-60
-70
-80
-90
Min=-6.90332
Max=3.03223
Mean=-3.29375
RMS =3.44228

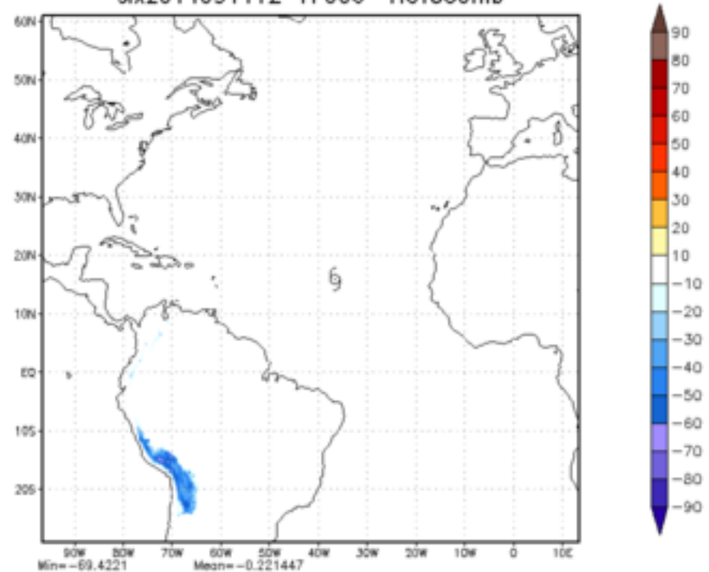

gfsana
six2014091112 +F000 HGT500mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
5900
5875
5850
5825
5800
5750
5725
5700
5675
5650
5625
5600
5575
5500
5450
5425
5400
5350
5325
5300
5275
5250

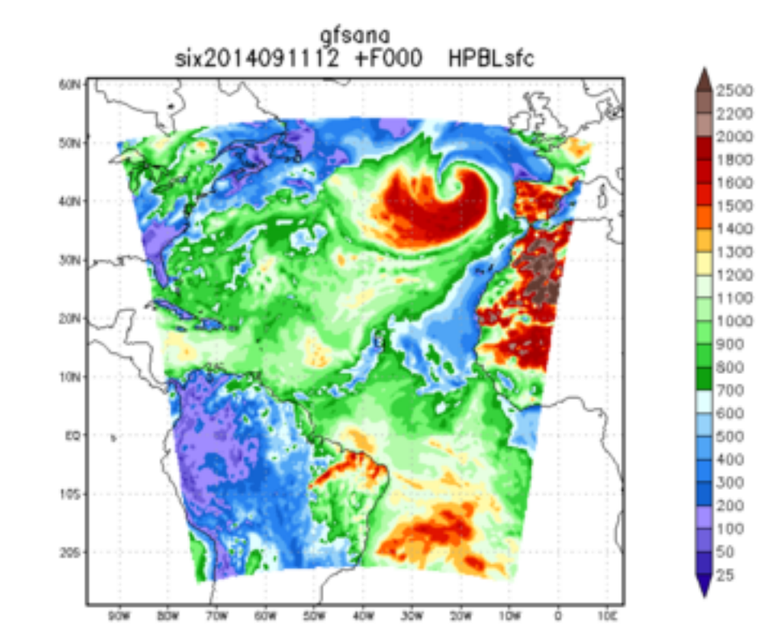

H15XGRIB
six2014091112 +F000 HGT500mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
5900
5875
5850
5825
5800
5750
5725
5700
5675
5650
5625
5600
5575
5500
5450
5425
5400
5350
5325
5300
5275
5250

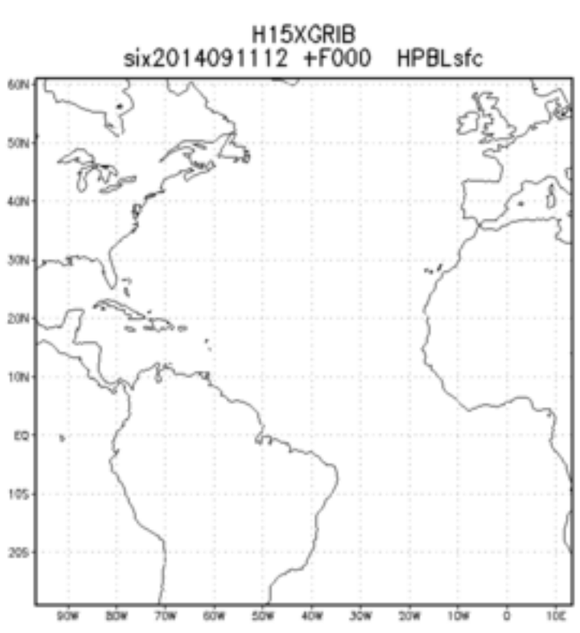

H15XGRIB-gfsana
six2014091112 +F000 HGT500mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
Min=-4.54053
Max=4.5332
Mean=-1.66336
RMS =1.74007
90
80
70
60
50
40
30
20
10
-10
-20
-30
-40
-50
-60
-70
-80
-90

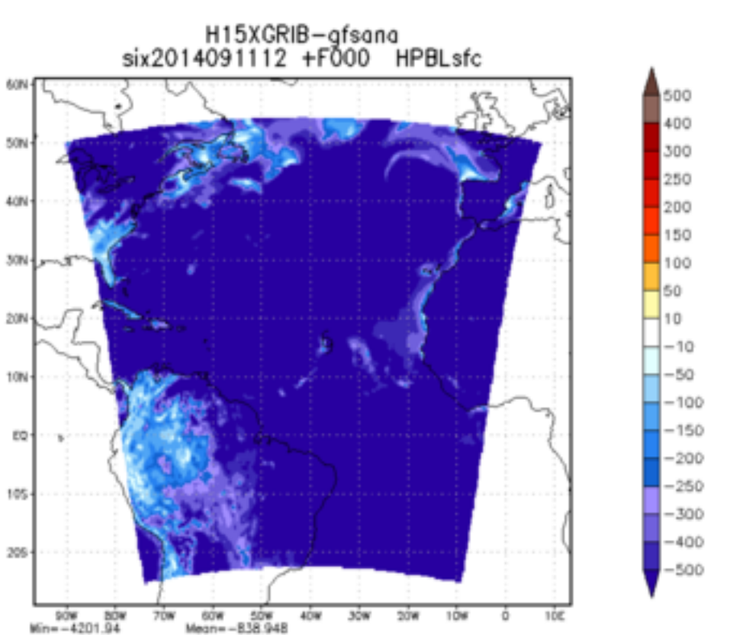

gfsana
six2014091112 +F000 HGT850mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
1550
1500
1450
1425
1400
1375
1350
1325
1300
1275
1250
1225
1200
1175
1150
1125
1100
1075
1050
1025
1000
975

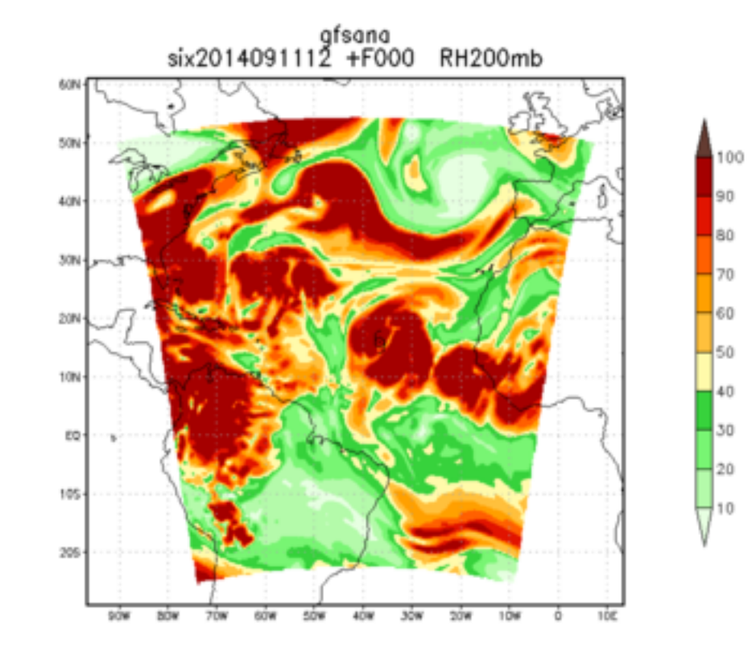

H15XGRIB
six2014091112 +F000 HGT850mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
1550
1500
1450
1425
1400
1375
1350
1325
1300
1275
1250
1225
1200
1175
1150
1125
1100
1075
1050
1025
1000
975

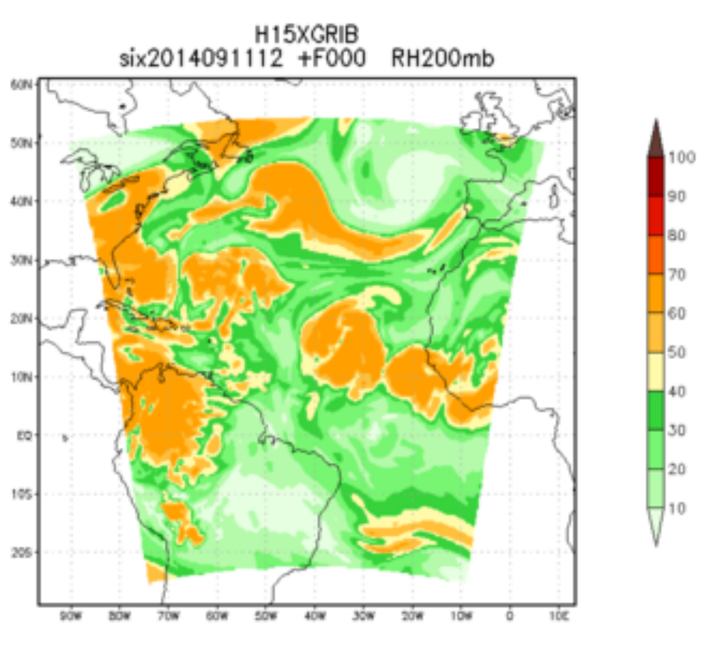

H15XGRIB-gfsana
six2014091112 +F000 HGT850mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
Min=-69.4221
Max=5.47217
Mean=-0.221447
RMS =4.08519
90
80
70
60
50
40
30
20
10
-10
-20
-30
-40
-50
-60
-70
-80
-90

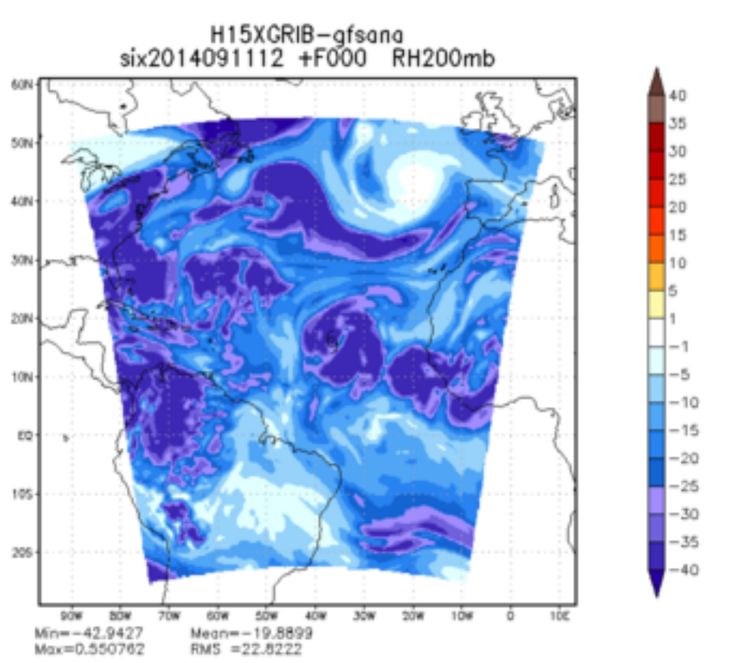

gfsana
six2014091112 +F000 HPBLsfc
2500
2200
2000
1800
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
50
25

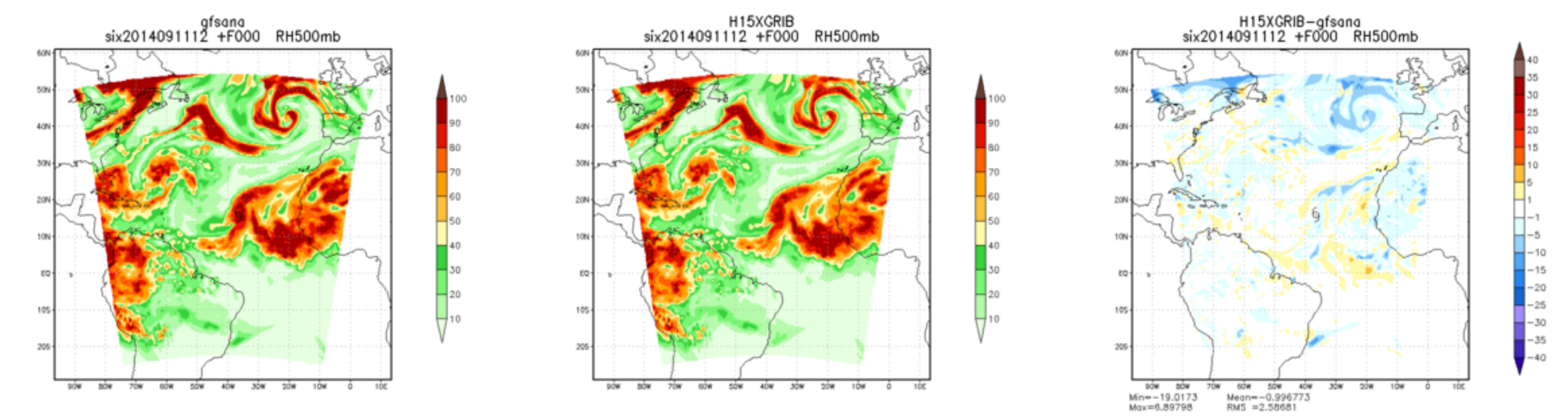

H15XGRIB
six2014091112 +F000 HPBLsfc

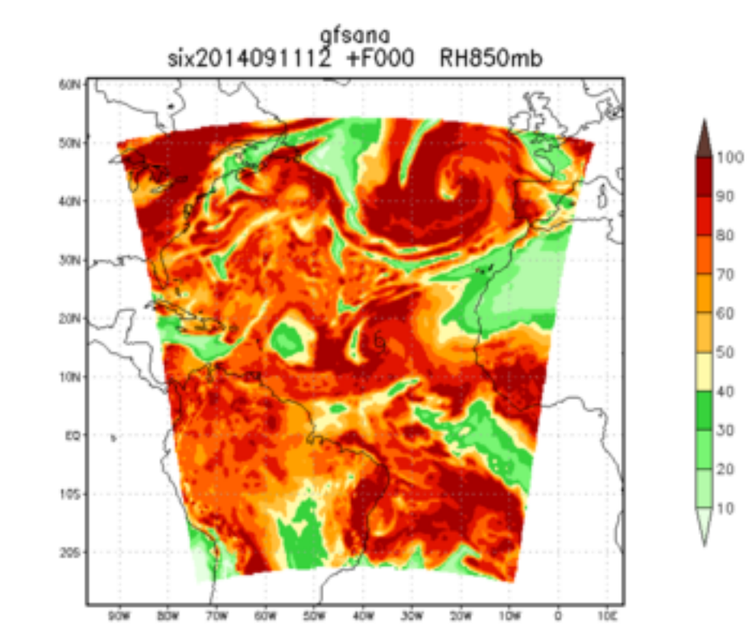

H15XGRIB-gfsana
six2014091112 +F000 HPBLsfc
500
400
300
250
200
150
100
50
10
-10
-50
-100
-150
-200
-250
-300
-400
-500
Min=-4201.94
Max=-21.32
Mean=-838.948
RMS =945.317

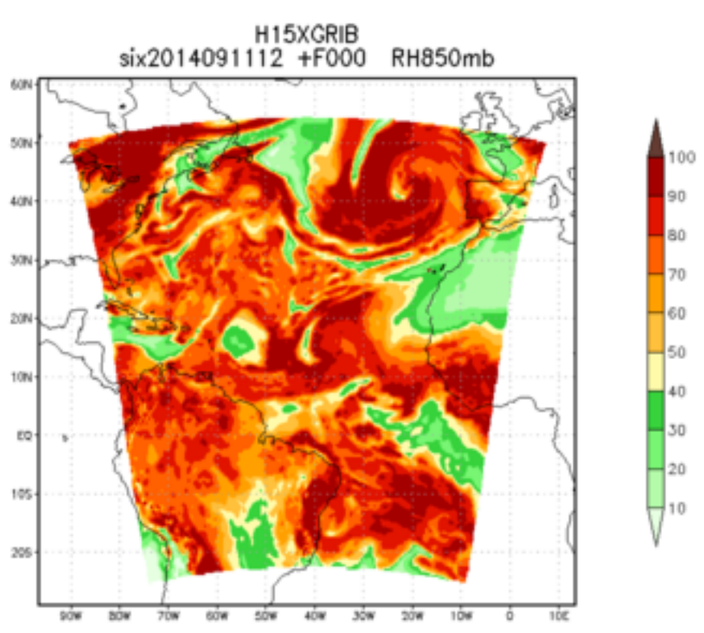

gfsana
six2014091112 +F000 RH200mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
100
90
80
70
60
50
40
30
20
10

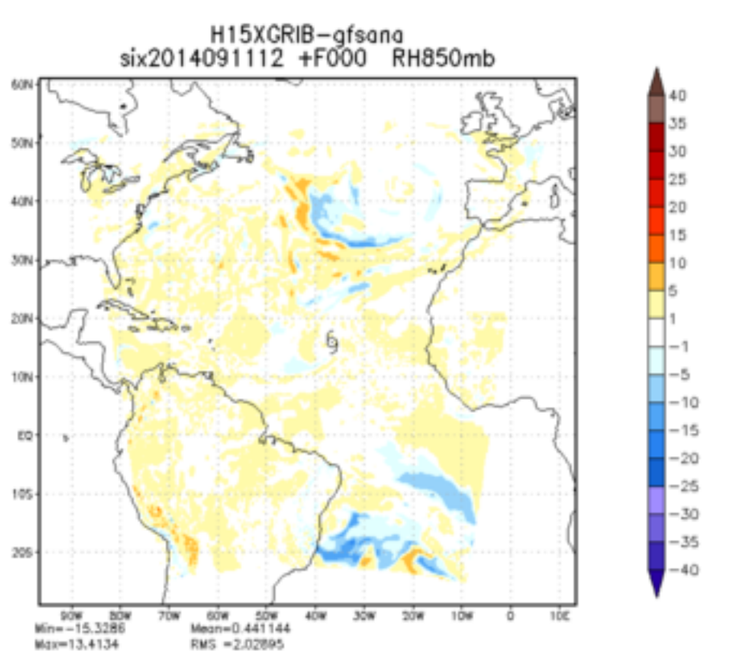

H15XGRIB
six2014091112 +F000 RH200mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
100
90
80
70
60
50
40
30
20
10

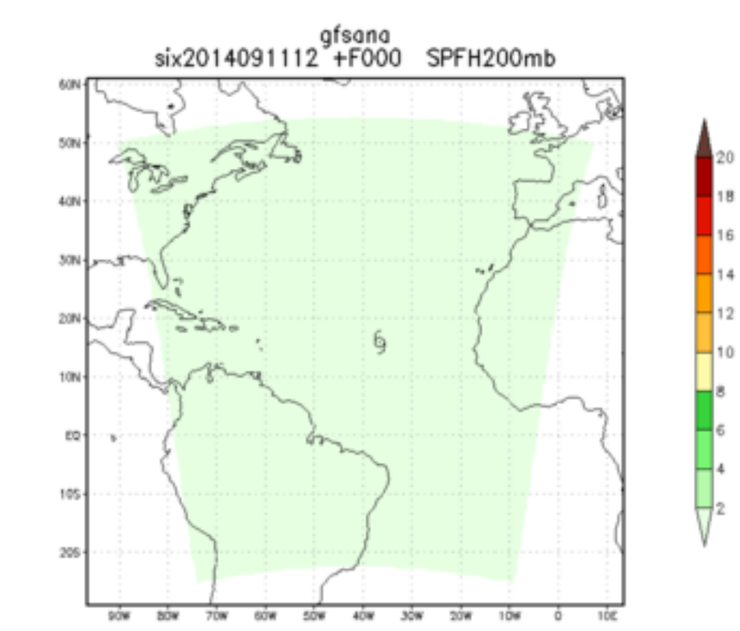

H15XGRIB-gfsana
six2014091112 +F000 RH200mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
Min=-42.9427 Mean=-19.8899
Max=0.550762 RMS =22.8222
40
35
30
25
20
15
10
5
1
-1
-5
-10
-15
-20
-25
-30
-35
-40

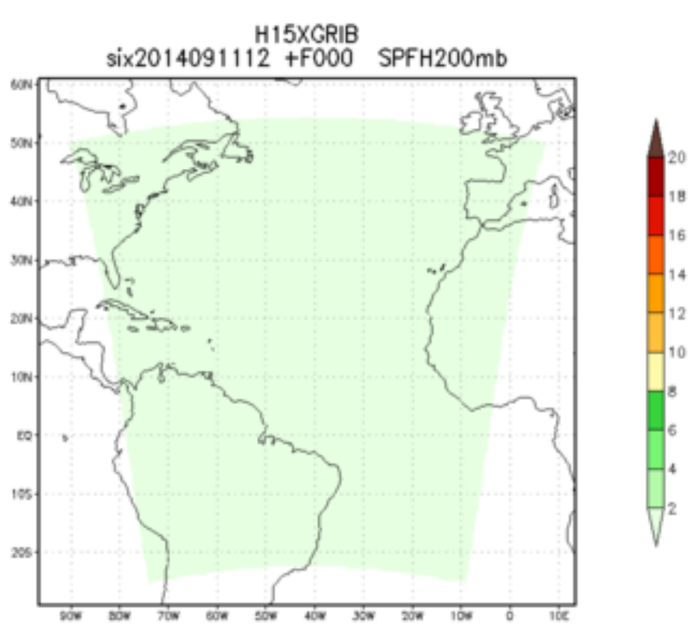

gfsana
six2014091112 +F000 RH500mb
H15XGRIB
six2014091112 +F000 RH500mb
H15XGRIB-gfsana
six2014091112 +F000 RH500mb
Min=-19.0173
Max=6.89798
Mean=-0.996773
RMS =2.58681

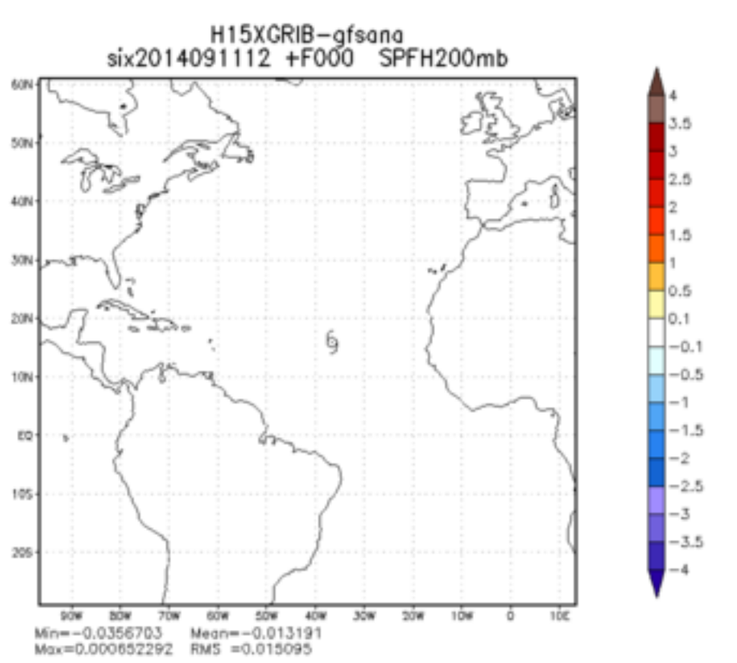

gfsana
six2014091112 +F000 RH850mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
100
90
80
70
60
50
40
30
20
10

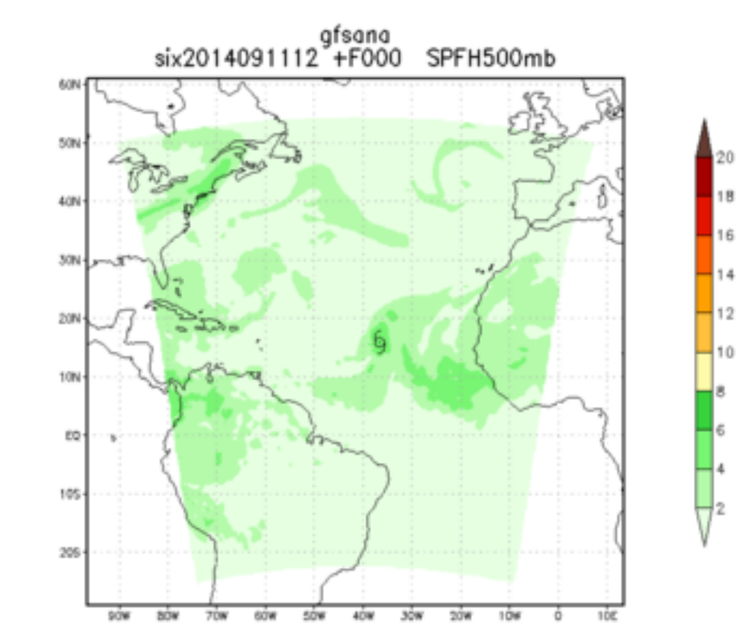

H15XGRIB
six2014091112 +F000 RH850mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
100
90
80
70
60
50
40
30
20
10

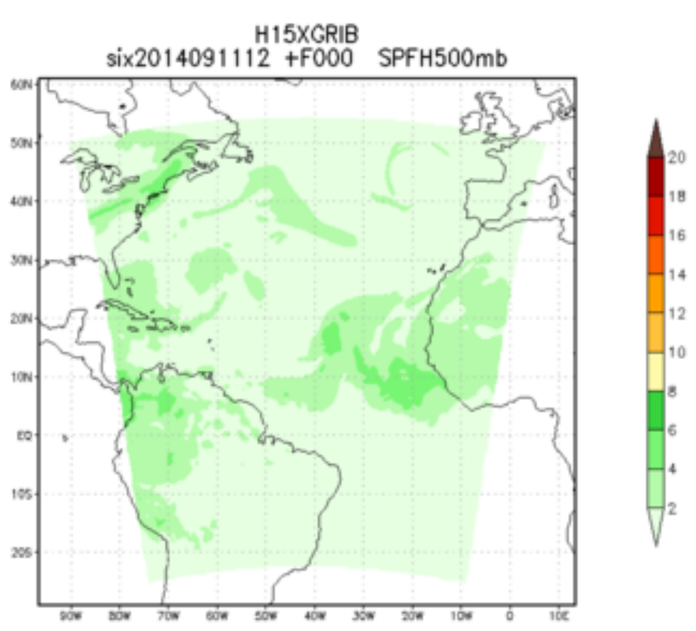

H15XGRIB-gfsana
six2014091112 +F000 RH850mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
Min=-15.3286
Max=13.4134
Mean=0.441144
RMS =2.02895
40
35
30
25
20
15
10
5
1
-1
-5
-10
-15
-20
-25
-30
-35
-40

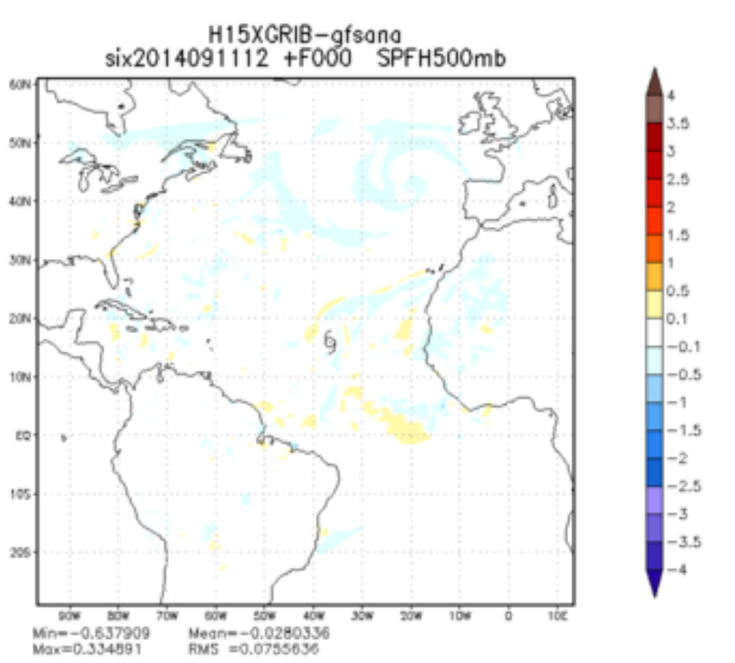

gfsana
six2014091112 +F000 SPFH200mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
20
18
16
14
12
10
8
6
4
2

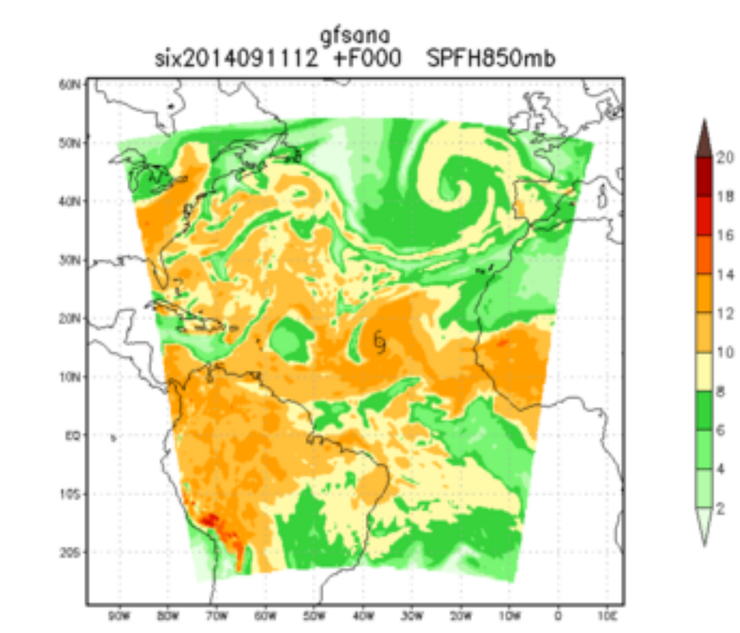

H15XGRIB
six2014091112 +F000 SPFH200mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
20
18
16
14
12
10
8
6
4
2

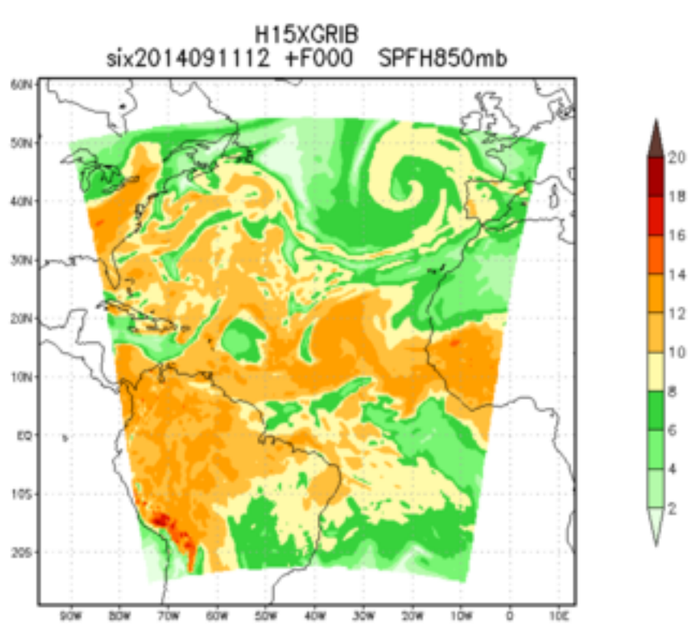

H15XGRIB-gfsana
six2014091112 +F000 SPFH200mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
Min=-0.0356703 Mean=-0.013191
Max=0.000652292 RMS =0.015095
4
3.5
3
2.5
2
1.5
1
0.5
0.1
-0.1
-0.5
-1
-1.5
-2
-2.5
-3
-3.5
-4

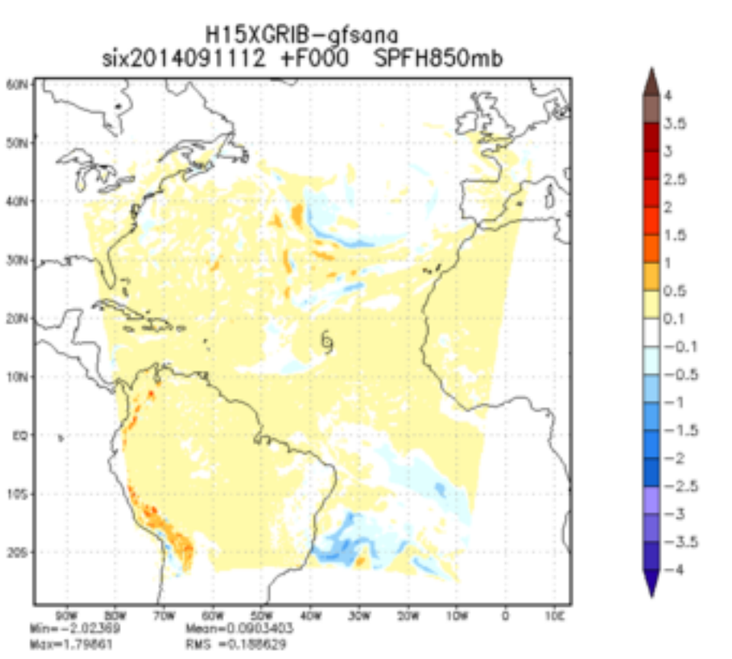

gfsana
six2014091112 +F000 SPFH500mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
20
18
16
14
12
10
8
6
4
2

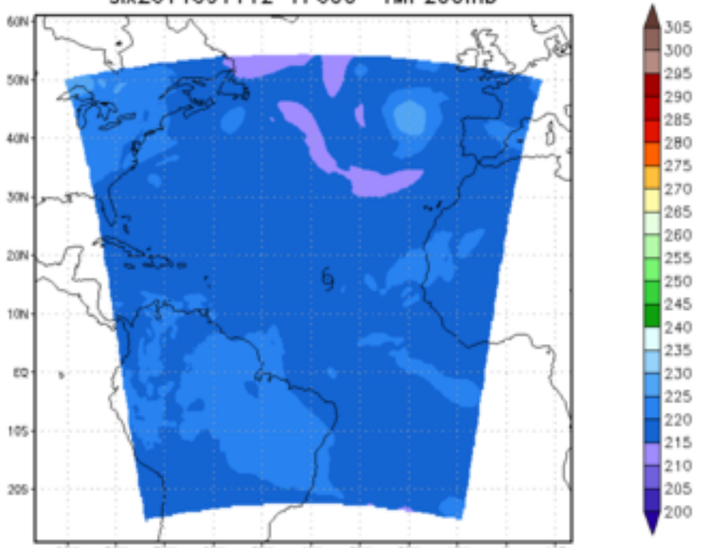

H15XGRIB
six2014091112 +F000 SPFH500mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
20
18
16
14
12
10
8
6
4
2

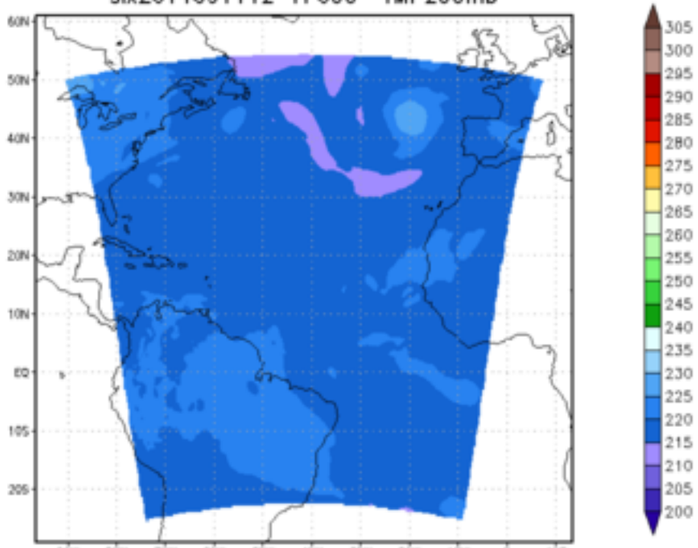

H15XGRIB-gfsana
six2014091112 +F000 SPFH500mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
4
3.5
3
2.5
2
1.5
1
0.5
0.1
-0.1
-0.5
-1
-1.5
-2
-2.5
-3
-3.5
-4
Min=-0.637909 Mean=-0.0280336
Max=0.334891 RMS =0.0755636

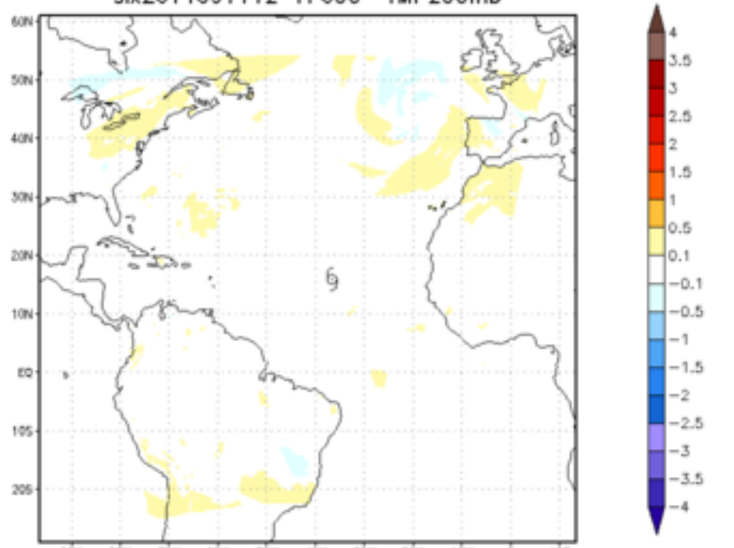

gfsana
six2014091112 +F000 SPFH850mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
20
18
16
14
12
10
8
6
4
2

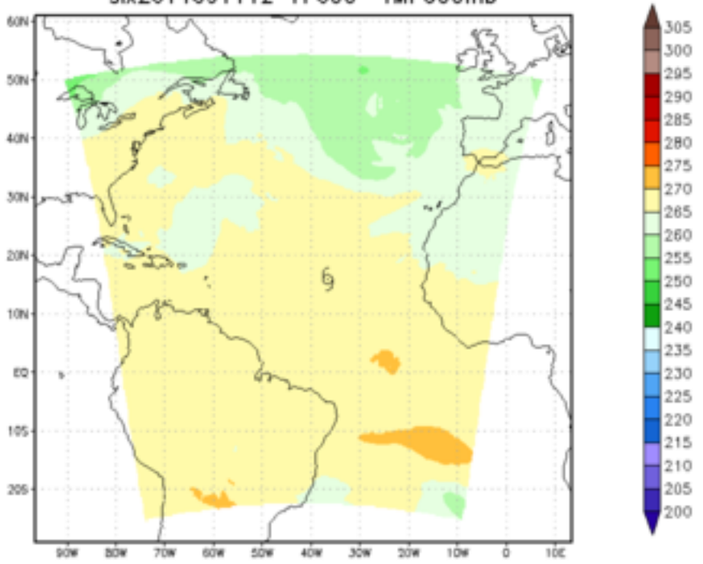

H15XGRIB
six2014091112 +F000 SPFH850mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
20
18
16
14
12
10
8
6
4
2

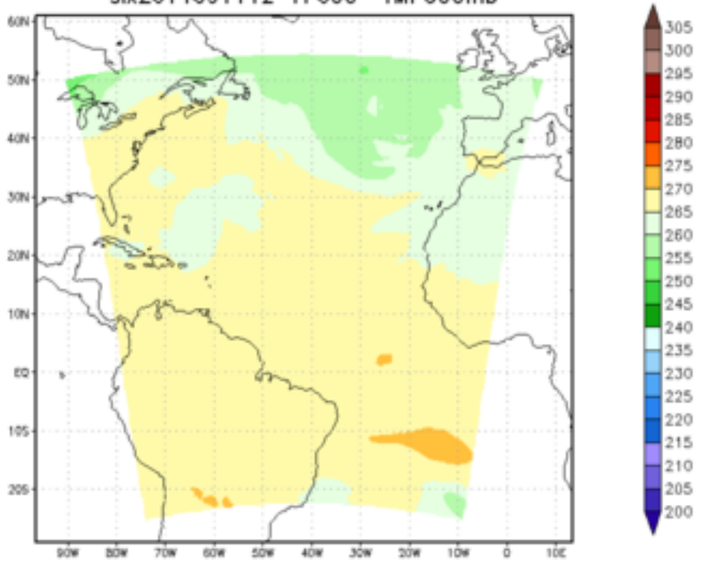

H15XGRIB-gfsana
six2014091112 +F000 SPFH850mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
Min=-2.02369
Max=1.79861
Mean=0.0903403
RMS =0.188629
4
3.5
3
2.5
2
1.5
1
0.5
0.1
-0.1
-0.5
-1
-1.5
-2
-2.5
-3
-3.5
-4

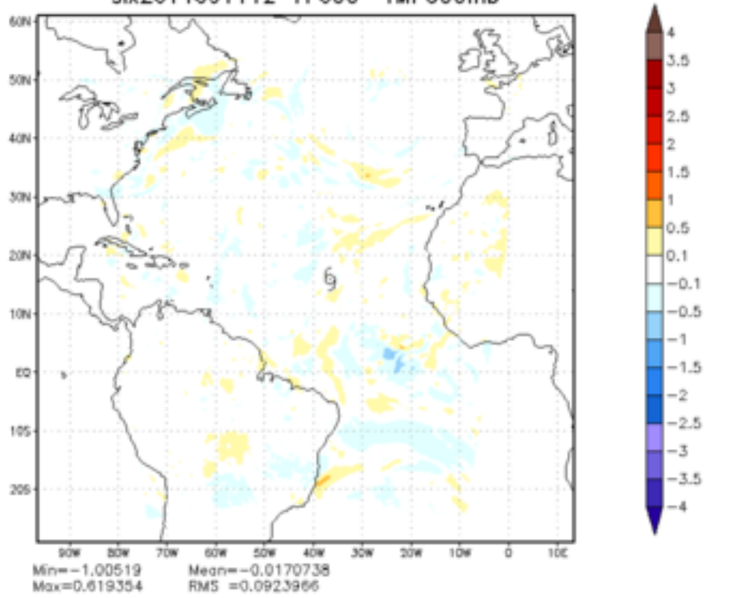

gfsana
six2014091112 +F000 TMP200mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
305 300 295 290 285 280 275 270 265 260 255 250 245 240 235 230 225 220 215 210 205 200

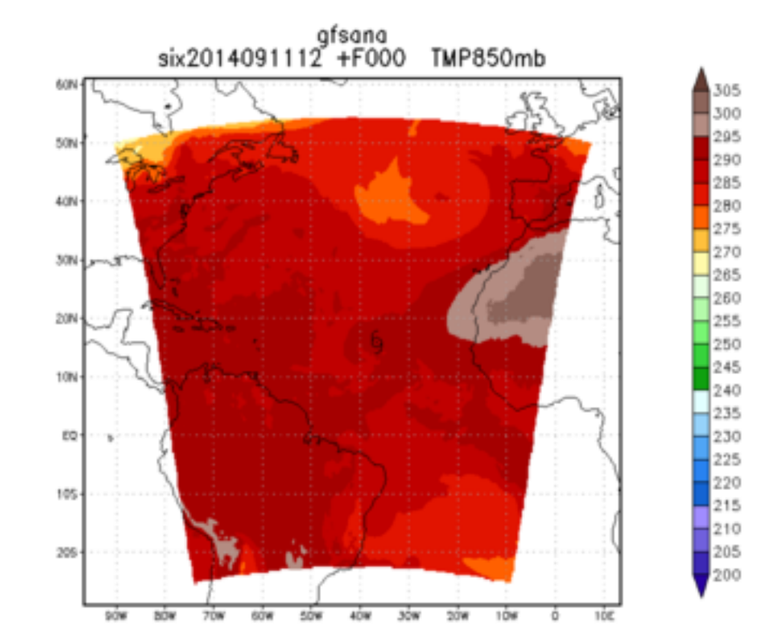

H15XGRIB
six2014091112 +F000 TMP200mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
305 300 295 290 285 280 275 270 265 260 255 250 245 240 235 230 225 220 215 210 205 200

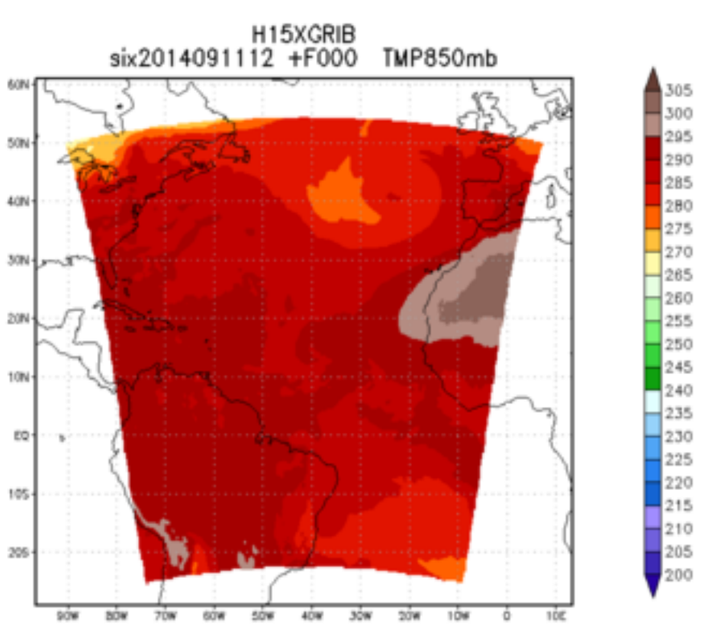

H15XGRIB-gfsana
six2014091112 +F000 TMP200mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
4 3.5 3 2.5 2 1.5 1 0.5 0.1 -0.1 -0.5 -1 -1.5 -2 -2.5 -3 -3.5 -4
Min=-0.307724 Mean=0.0316075
Max=0.493973 RMS =0.0705127

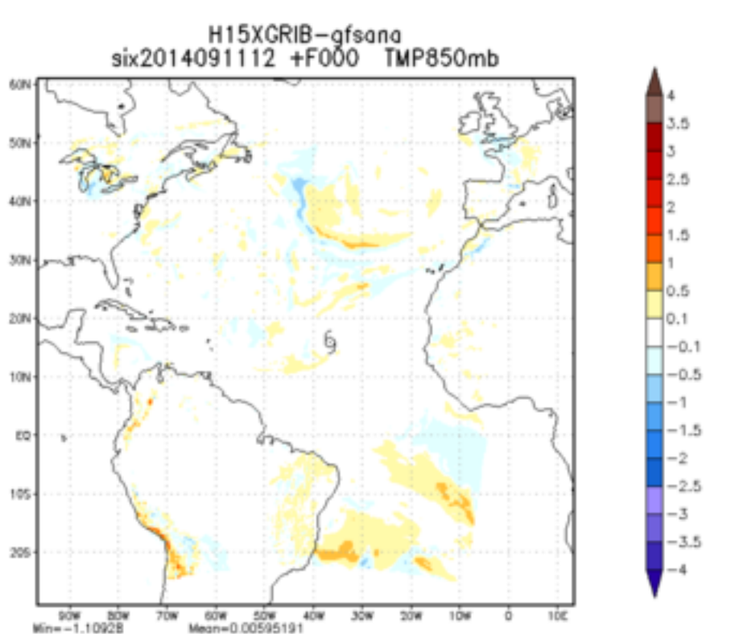

gfsana
six2014091112 +F000 TMP500mb

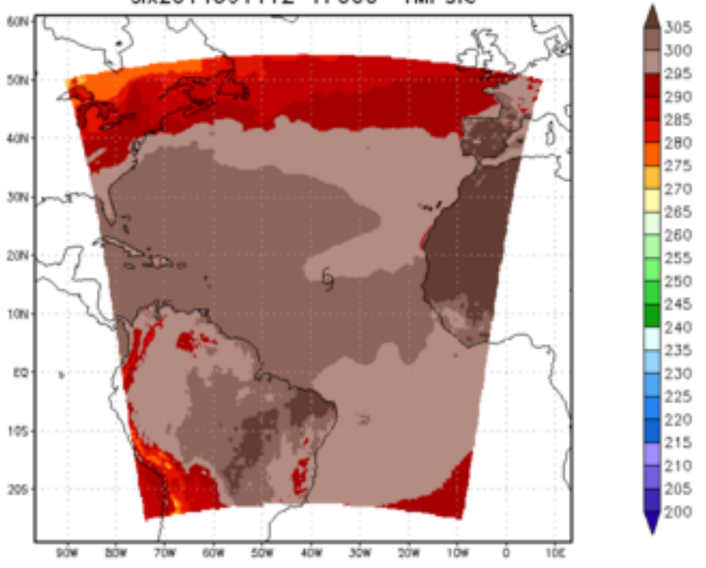

H15XGRIB
six2014091112 +F000 TMP500mb

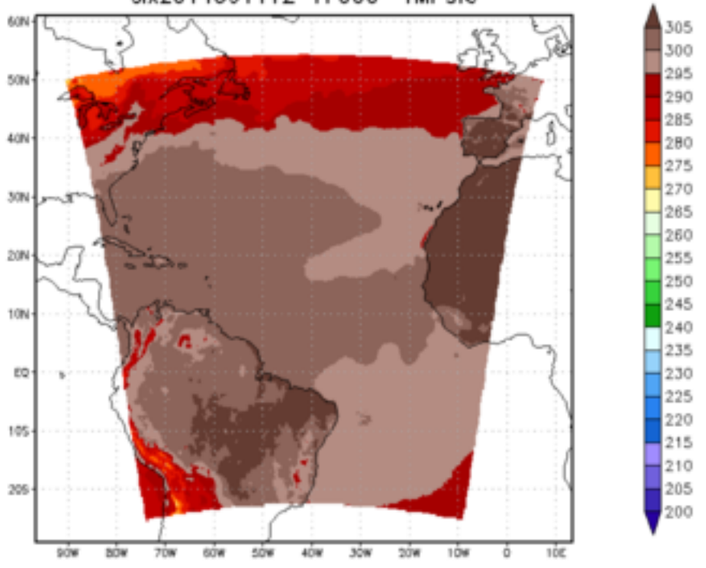

H15XGRIB-gfsana
six2014091112 +F000 TMP500mb
Min=-1.00519 Mean=-0.0170738
Max=0.619354 RMS =0.0923966

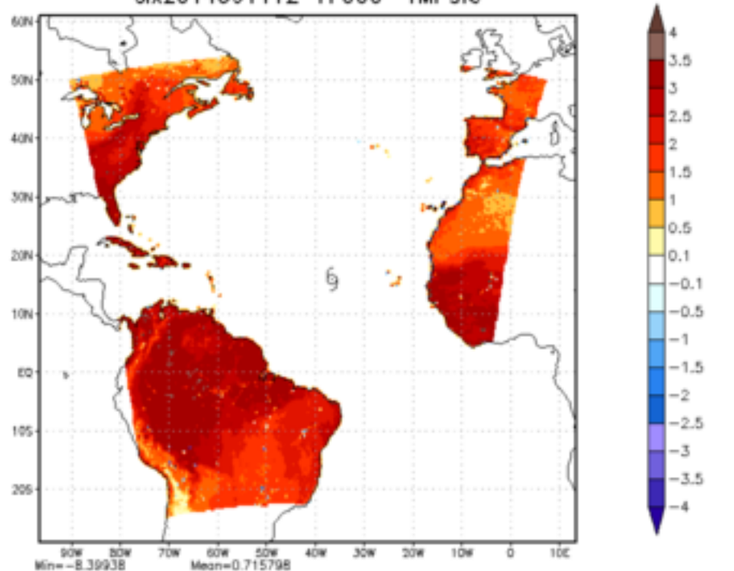

gfsana
six2014091112 +F000 TMP850mb
305
300
295
290
285
280
275
270
265
260
255
250
245
240
235
230
225
220
215
210
205
200

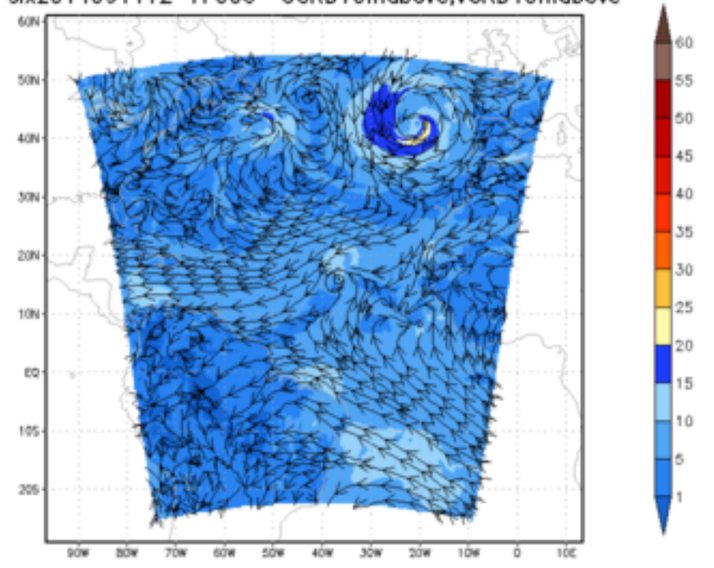

H15XGRIB
six2014091112 +F000 TMP850mb
305
300
295
290
285
280
275
270
265
260
255
250
245
240
235
230
225
220
215
210
205
200

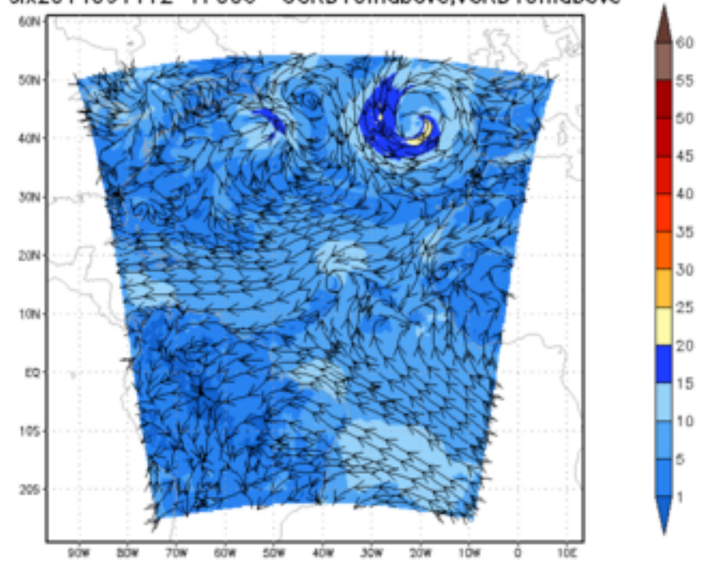

H15XGRIB-gfsana
six2014091112 +F000 TMP850mb
4
3.5
3
2.5
2
1.5
1
0.5
0.1
-0.1
-0.5
-1
-1.5
-2
-2.5
-3
-3.5
-4
Min=-1.10928
Max=1.5896
Mean=0.00595191
RMS =0.132053

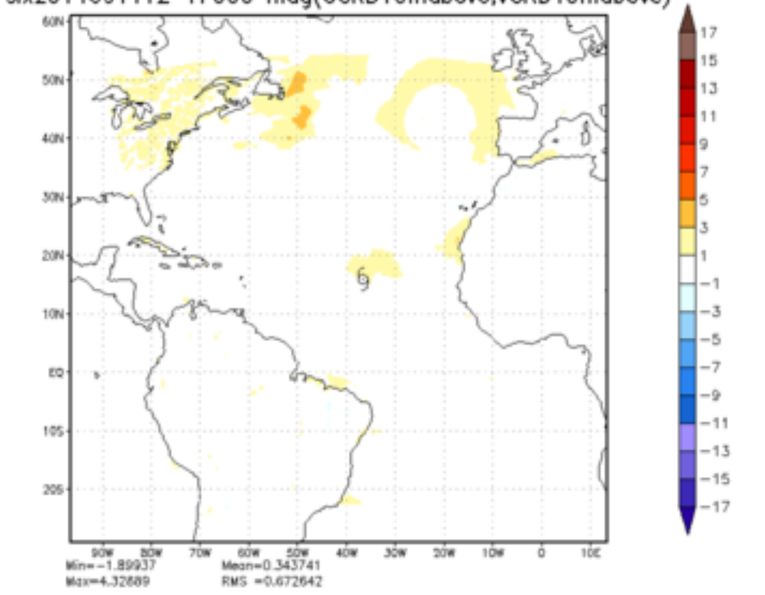

gfsana
six2014091112 +F000 TMPsfc
305
300
295
290
285
280
275
270
265
260
255
250
245
240
235
230
225
220
215
210
205
200

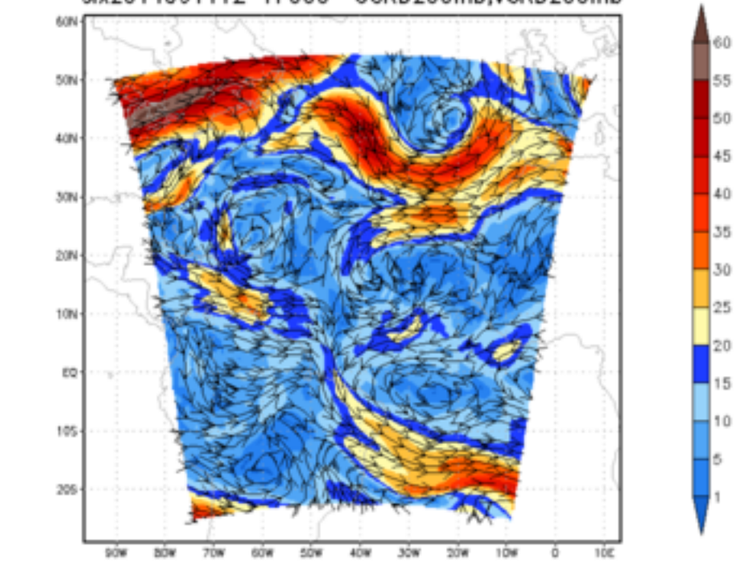

H15XGRIB
six2014091112 +F000 TMPsfc
305
300
295
290
285
280
275
270
265
260
255
250
245
240
235
230
225
220
215
210
205
200

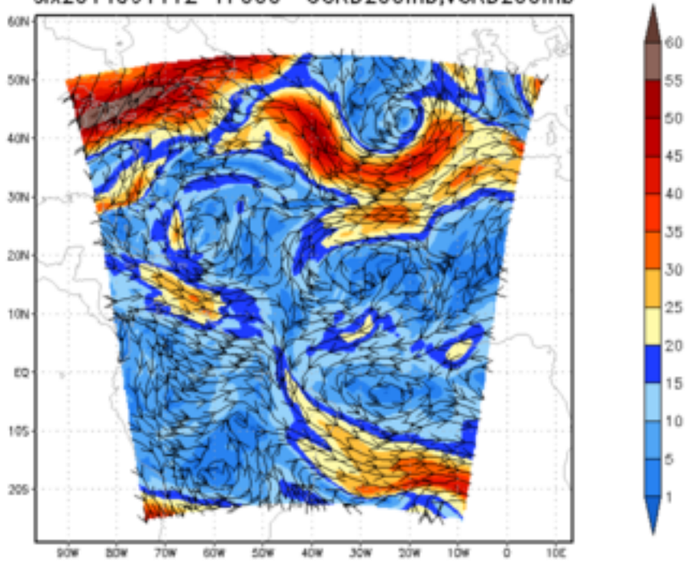

H15XGRIB-gfsana
six2014091112 +F000 TMPsfc
4
3.5
3
2.5
2
1.5
1
0.5
0.1
-0.1
-0.5
-1
-1.5
-2
-2.5
-3
-3.5
-4

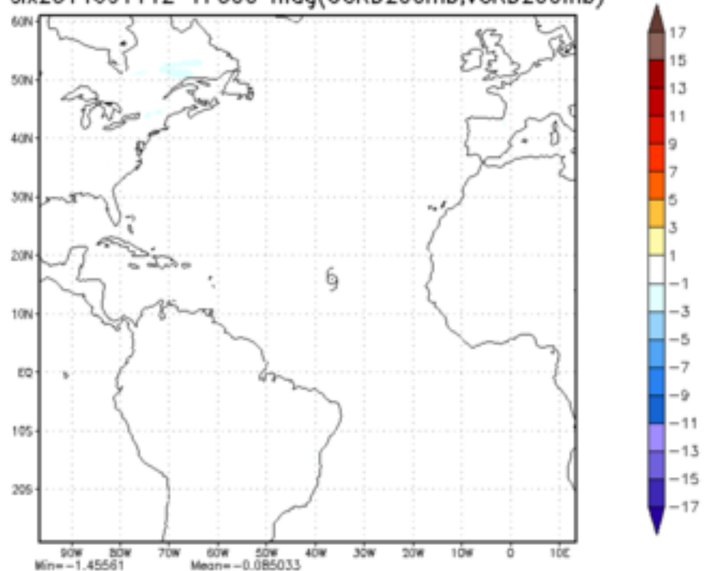

gfsana
six2014091112 +F000 UGRD10mabove,VGRD10mabove

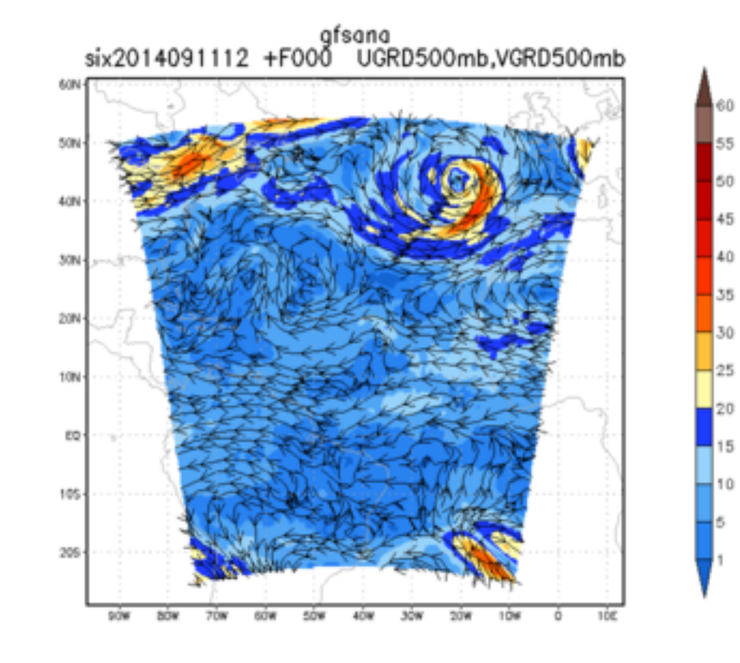

H15XGRIB
six2014091112 +F000 UGRD10mabove,VGRD10mabove

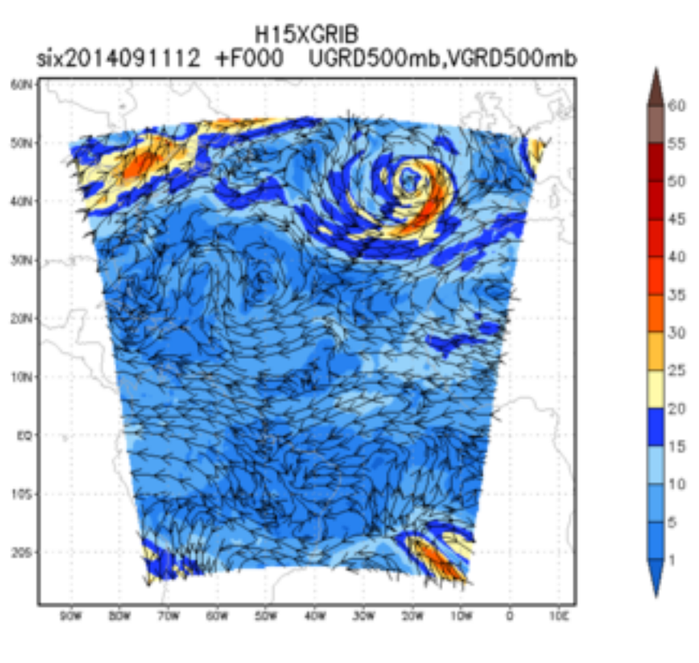

H15XGRIB-gfsana
six2014091112 +F000 mag(UGRD10mabove,VGRD10mabove)
Min=-1.89937
Max=4.32689
Mean=0.343741
RMS =0.672642

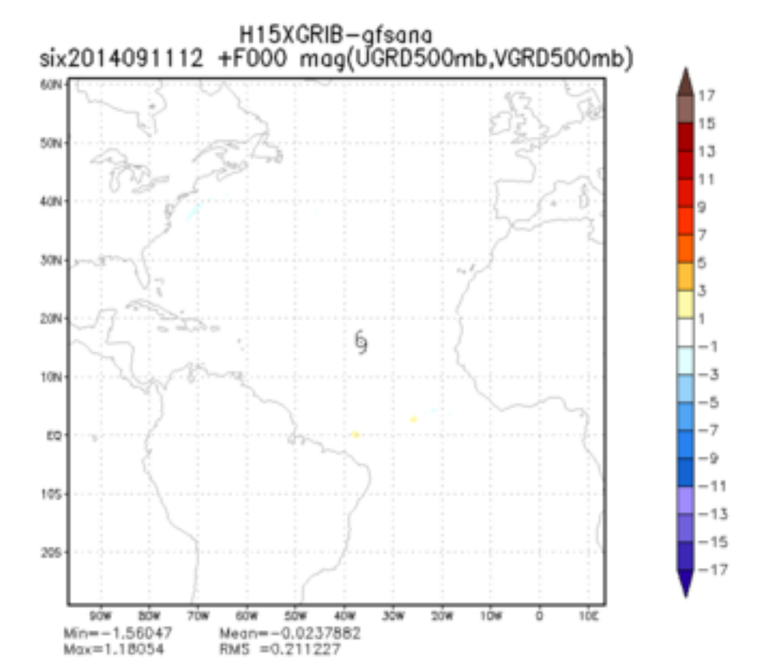

gfsana
six2014091112 +F000 UGRD200mb,VGRD200mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
60 55 50 45 40 35 30 25 20 15 10 5 1

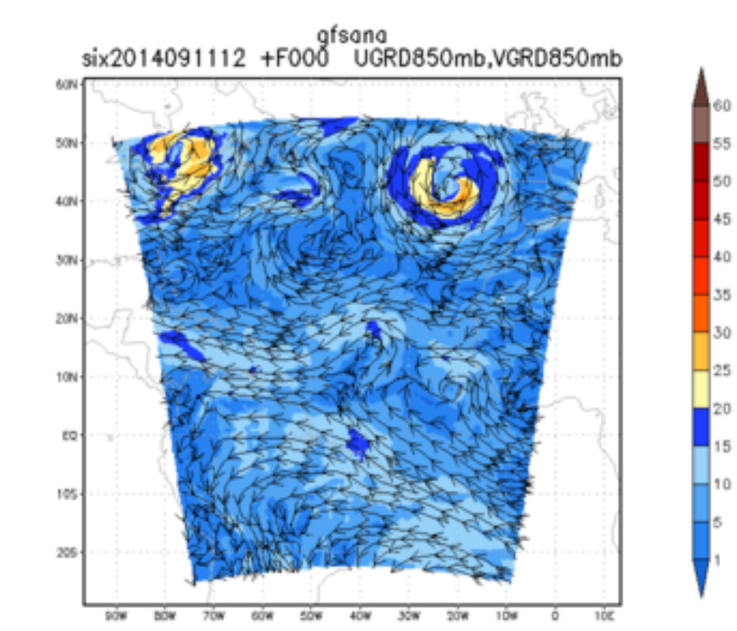

H15XGRIB
six2014091112 +F000 UGRD200mb,VGRD200mb
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
60 55 50 45 40 35 30 25 20 15 10 5 1

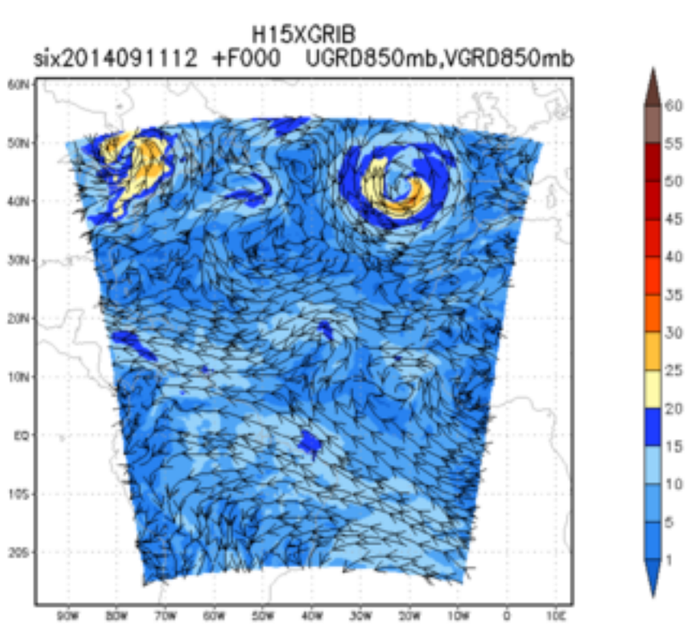

H15XGRIB-gfsana
six2014091112 +F000 mag(UGRD200mb,VGRD200mb)
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
Min=-1.45561
Max=0.771146
Mean=-0.085033
RMS =0.197164
17 15 13 11 9 7 5 3 1 -1 -3 -5 -7 -9 -11 -13 -15 -17

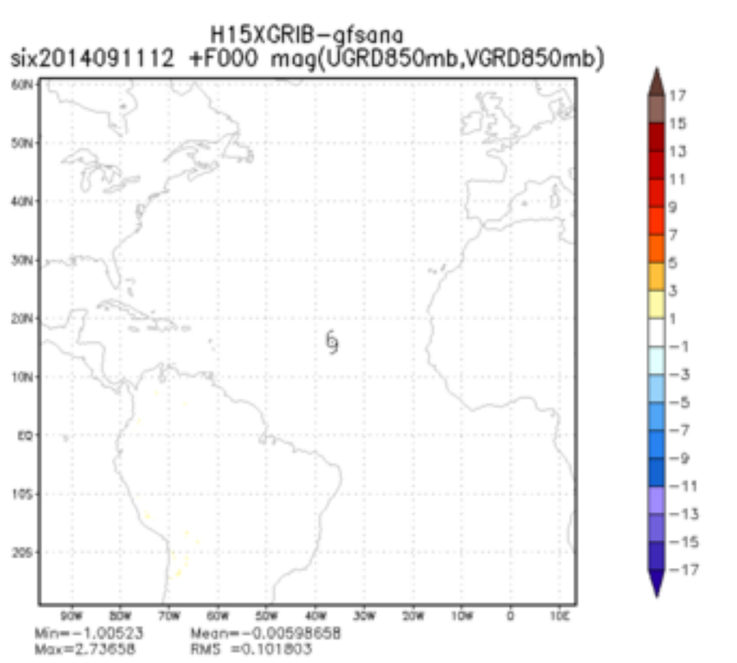

gfsana
six2014091112 +F000 UGRD500mb,VGRD500mb

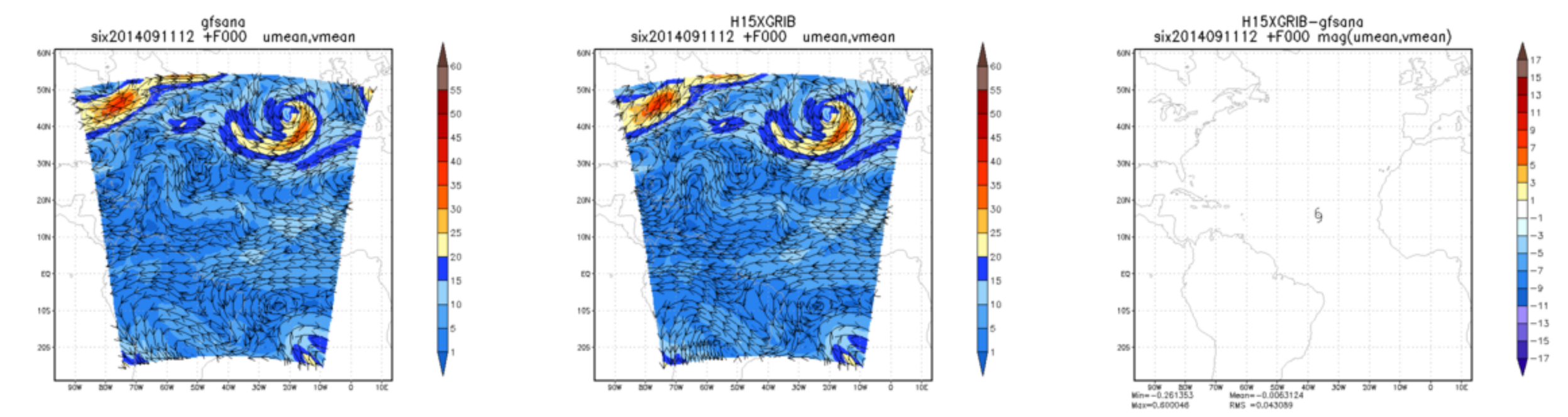

H15XGRIB
six2014091112 +F000 UGRD500mb,VGRD500mb

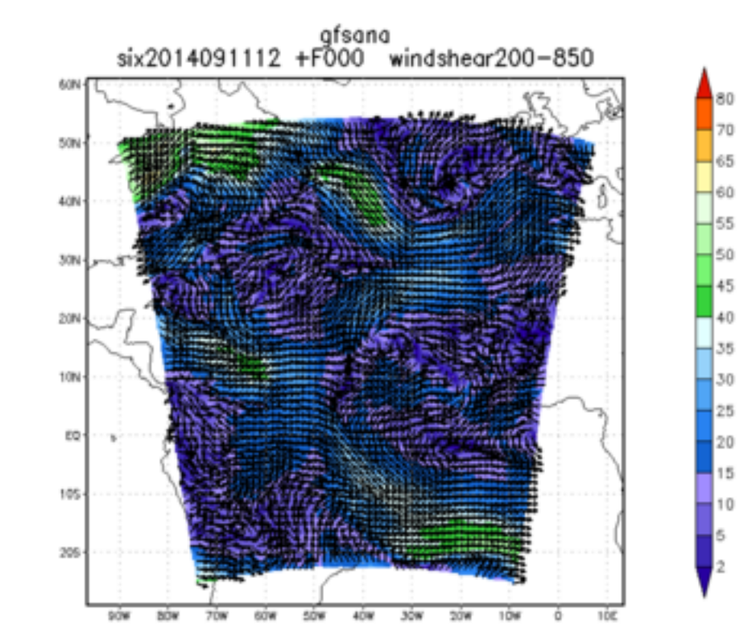

H15XGRIB-gfsana
six2014091112 +F000 mag(UGRD500mb,VGRD500mb)
Min=-1.56047
Max=1.18054
Mean=-0.0237882
RMS =0.211227

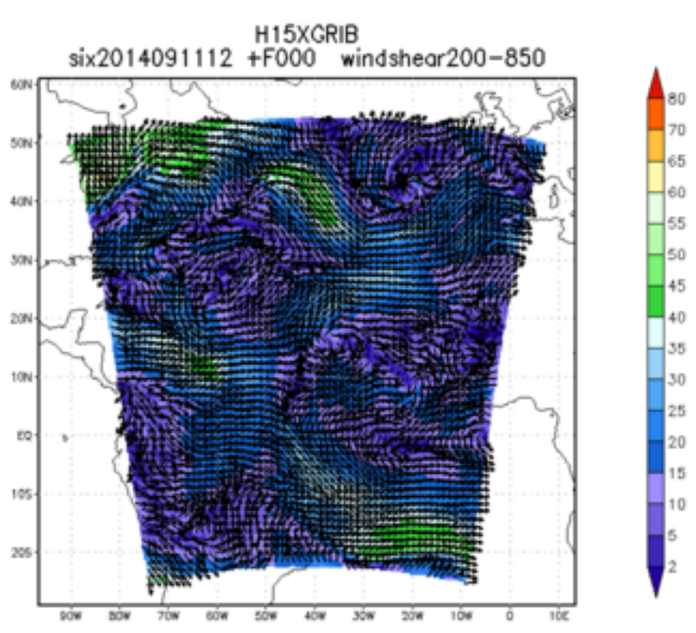

gfsana
six2014091112 +F000 UGRD850mb,VGRD850mb

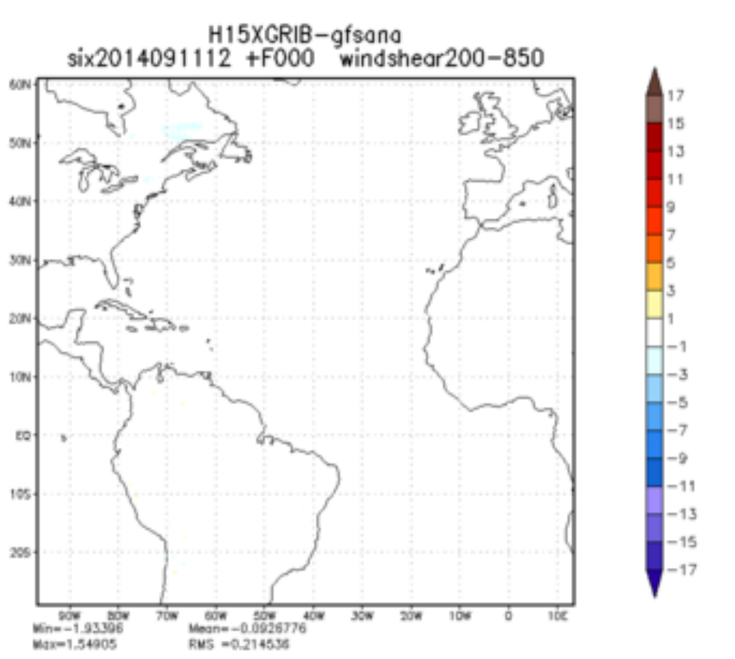

H15XGRIB
six2014091112 +F000 UGRD850mb,VGRD850mb


H15XGRIB-gfsana
six2014091112 +F000 mag(UGRD850mb,VGRD850mb)
Min=-1.00523
Max=2.73658
Mean=-0.00598658
RMS =0.101803


gfsana
six2014091112 +F000 umean,vmean
H15XGRIB
six2014091112 +F000 umean,vmean
H15XGRIB-gfsana
six2014091112 +F000 mag(umean,vmean)
Min=-0.261353
Max=0.600046
Mean=-0.0063124
RMS =0.043089


gfsana
six2014091112 +F000 windshear200-850
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
80
70
65
60
55
50
45
40
35
30
25
20
15
10
5
2


H15XGRIB
six2014091112 +F000 windshear200-850
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
80
70
65
60
55
50
45
40
35
30
25
20
15
10
5
2


H15XGRIB-gfsana
six2014091112 +F000 windshear200-850
60N
50N
40N
30N
20N
10N
EQ
10S
20S
90W 80W 70W 60W 50W 40W 30W 20W 10W 0 10E
Min=-1.93396 Mean=-0.0926776
Max=1.54905 RMS =0.214536
17
15
13
11
9
7
5
3
1
-1
-3
-5
-7
-9
-11
-13
-15
-17