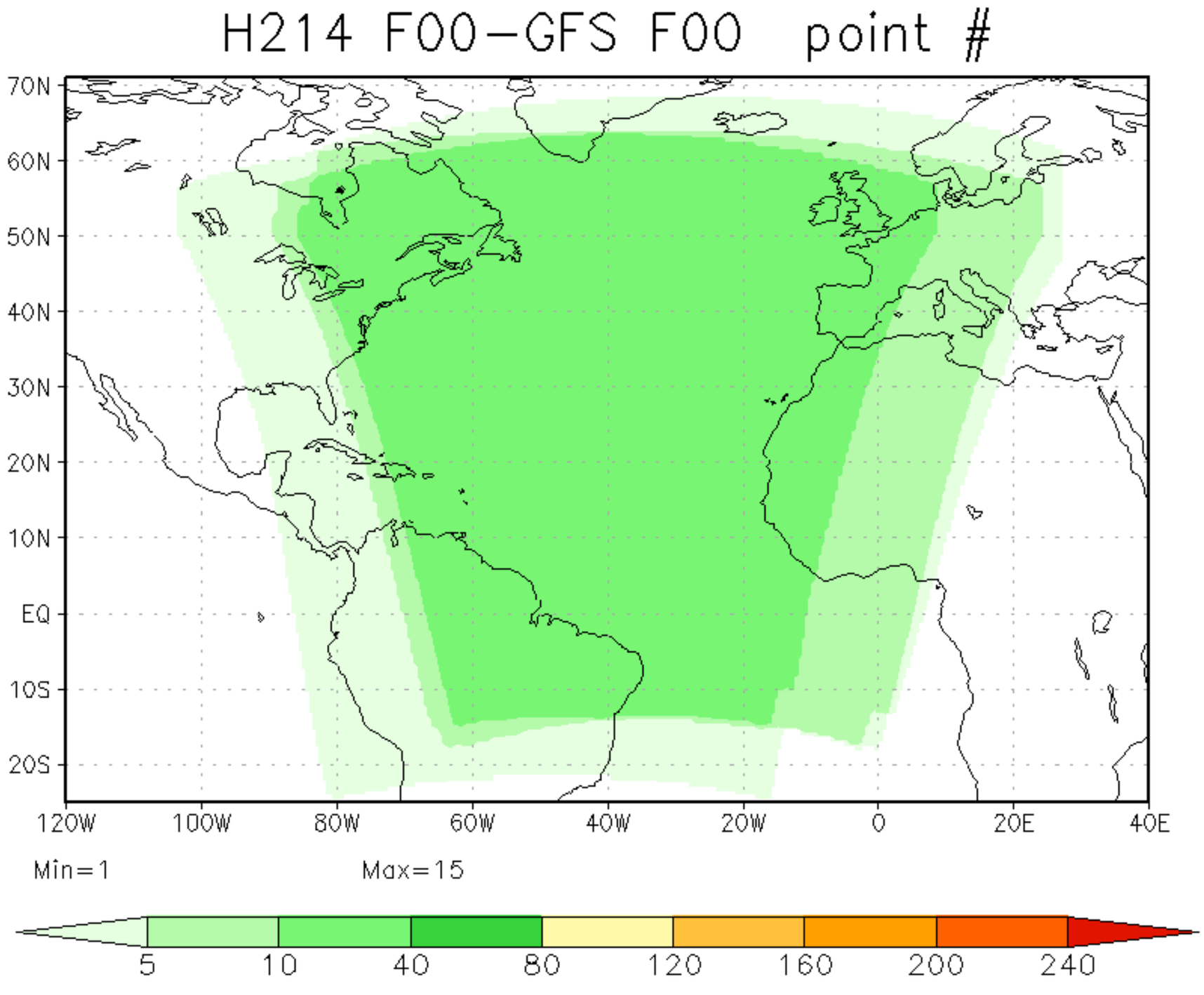
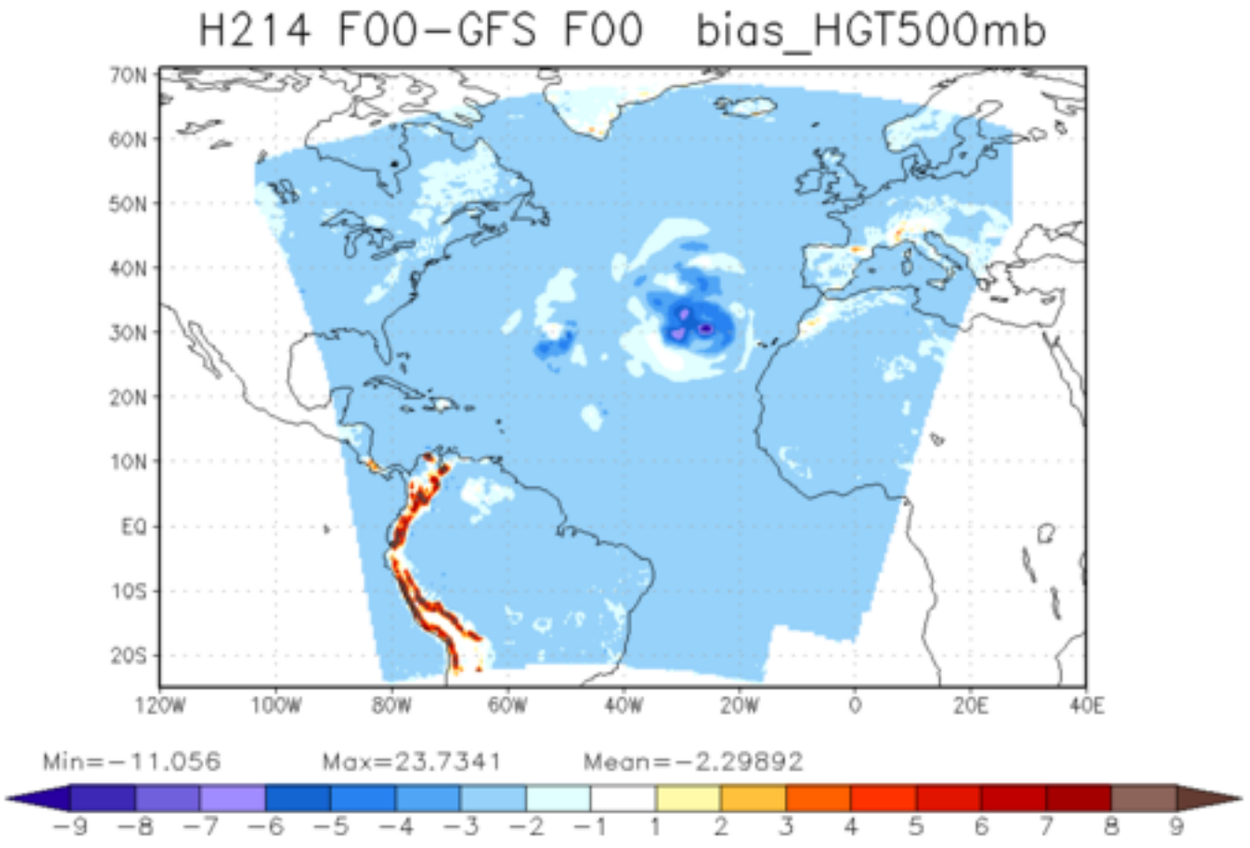
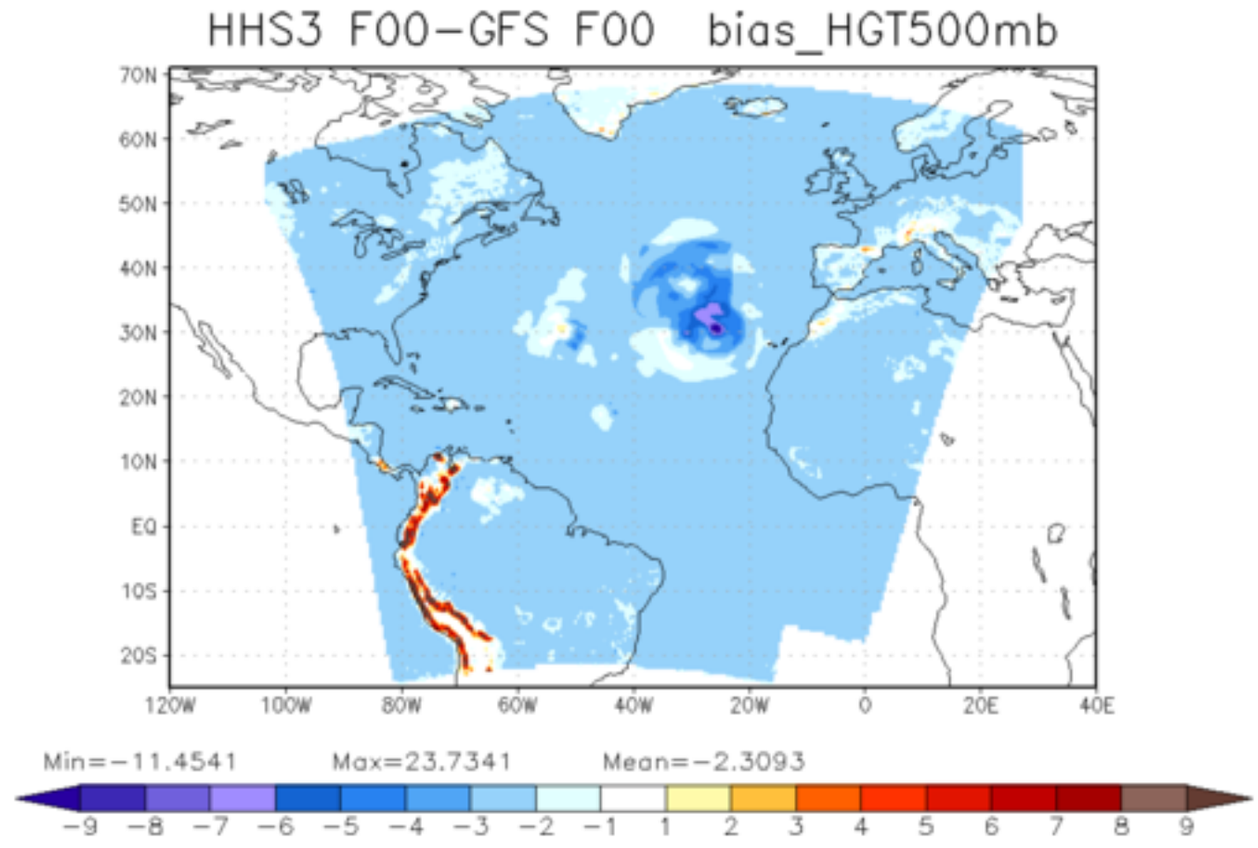
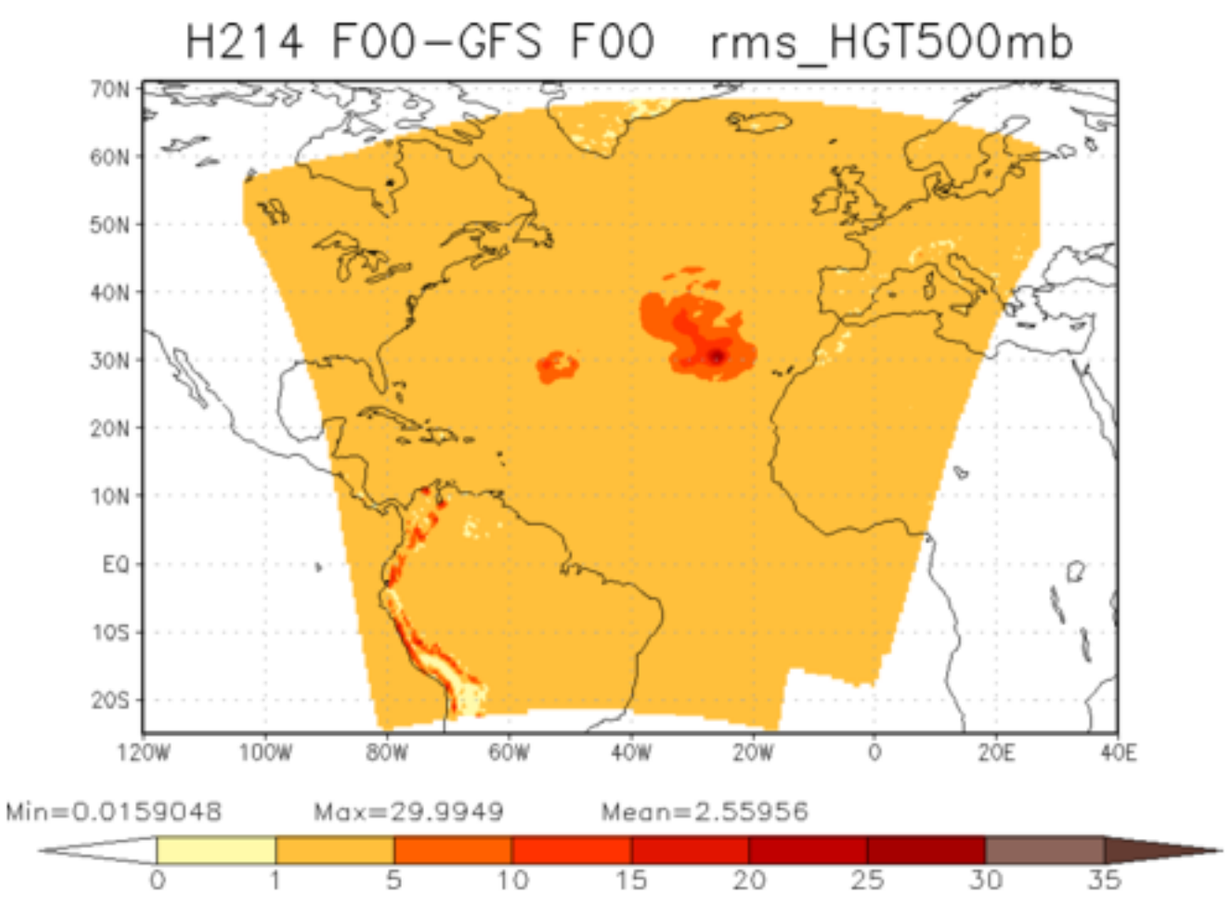
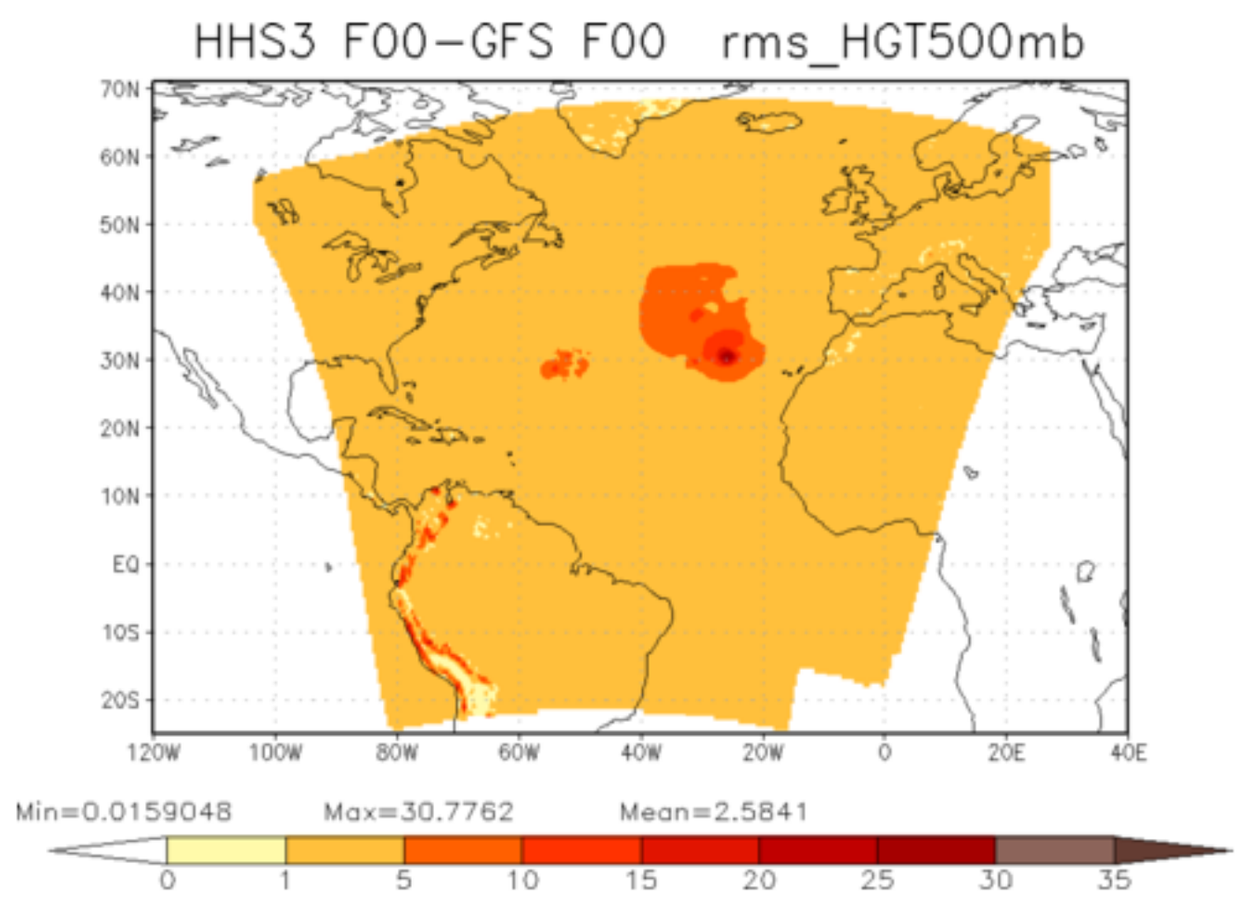

H214 F00−GFS F00 point #
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=1
Max=15
5
10
40
80
120
160
200
240

HGT

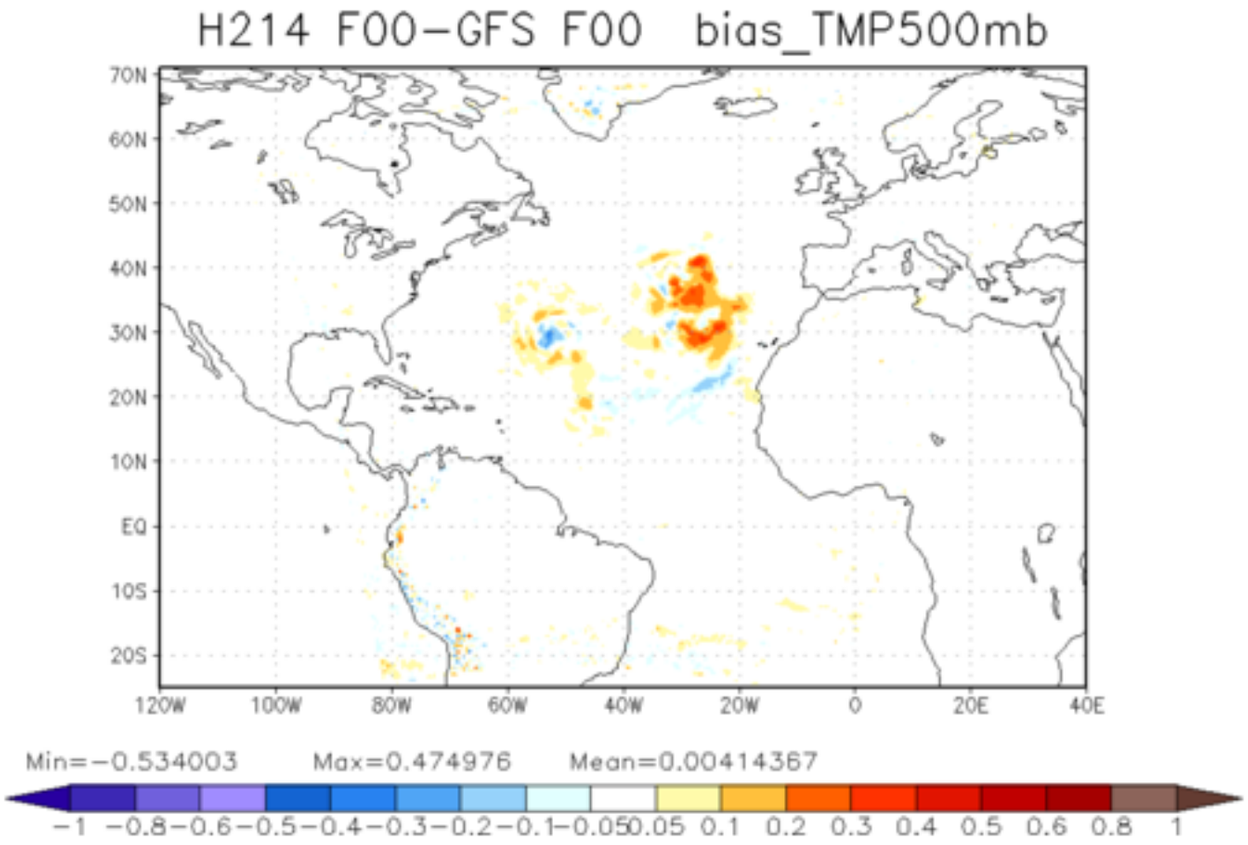

H214 F00-GFS F00 bias_HGT500mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=-11.056
Max=23.7341
Mean=-2.29892
-9 -8 -7 -6 -5 -4 -3 -2 -1 1 2 3 4 5 6 7 8 9

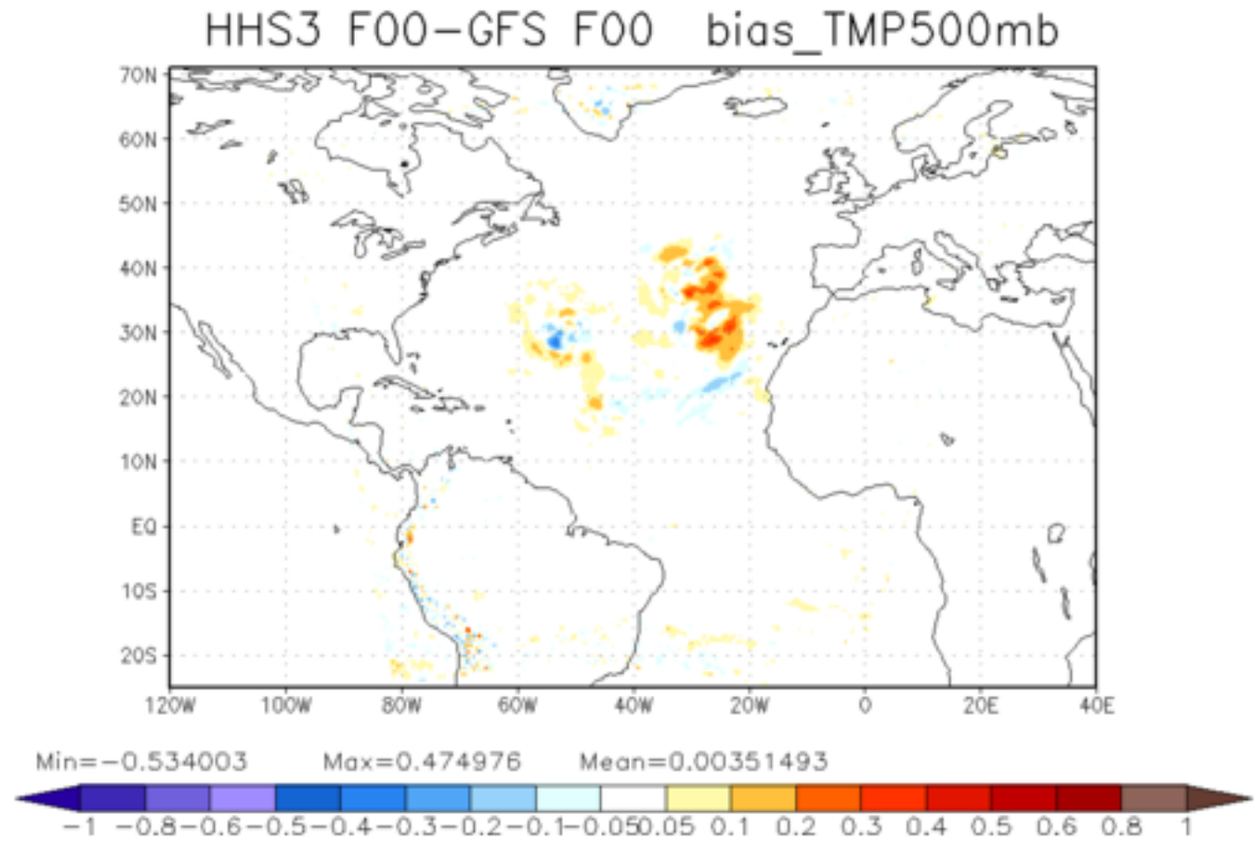

HHS3 F00-GFS F00 bias_HGT500mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=-11.4541
Max=23.7341
Mean=-2.3093
-9 -8 -7 -6 -5 -4 -3 -2 -1 1 2 3 4 5 6 7 8 9

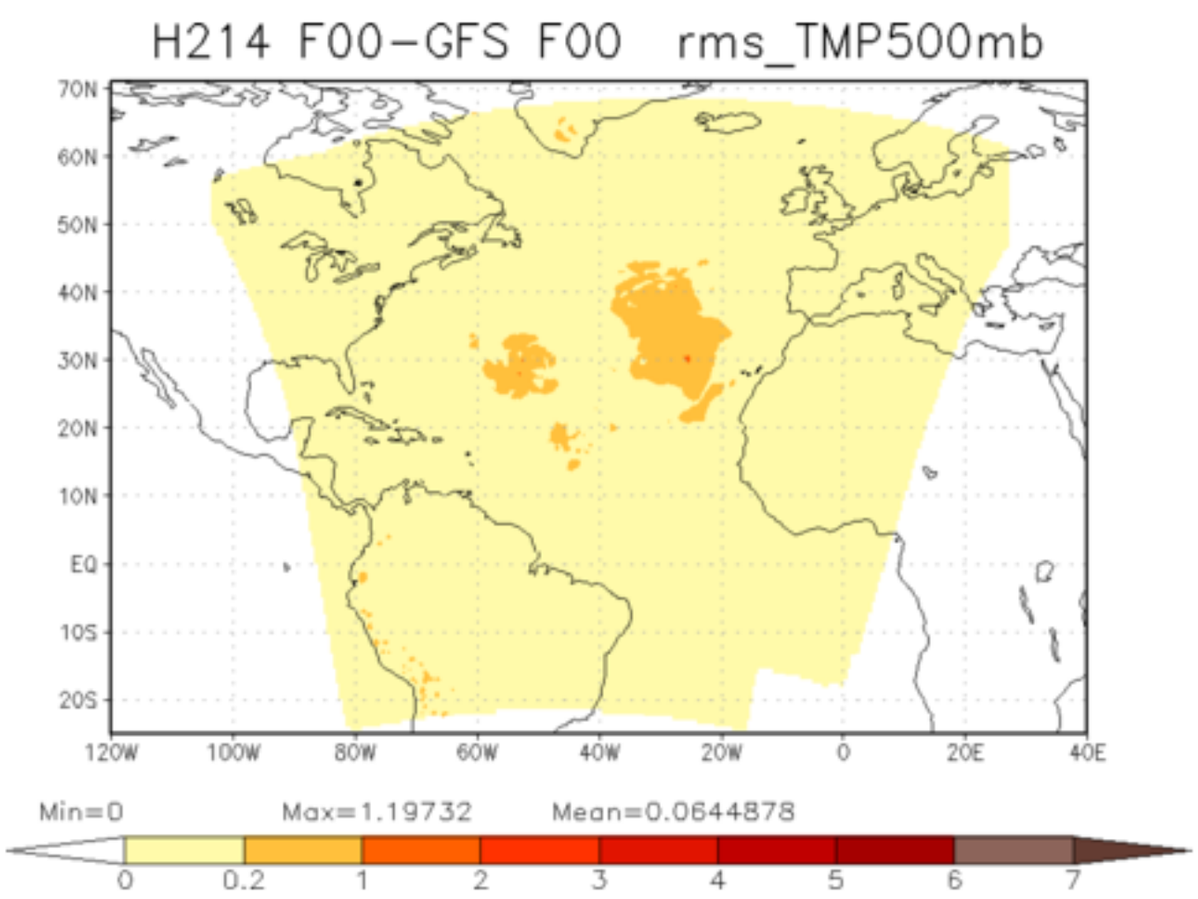

H214 F00-GFS F00 rms_HGT500mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=0.0159048
Max=29.9949
Mean=2.55956
0 1 5 10 15 20 25 30 35

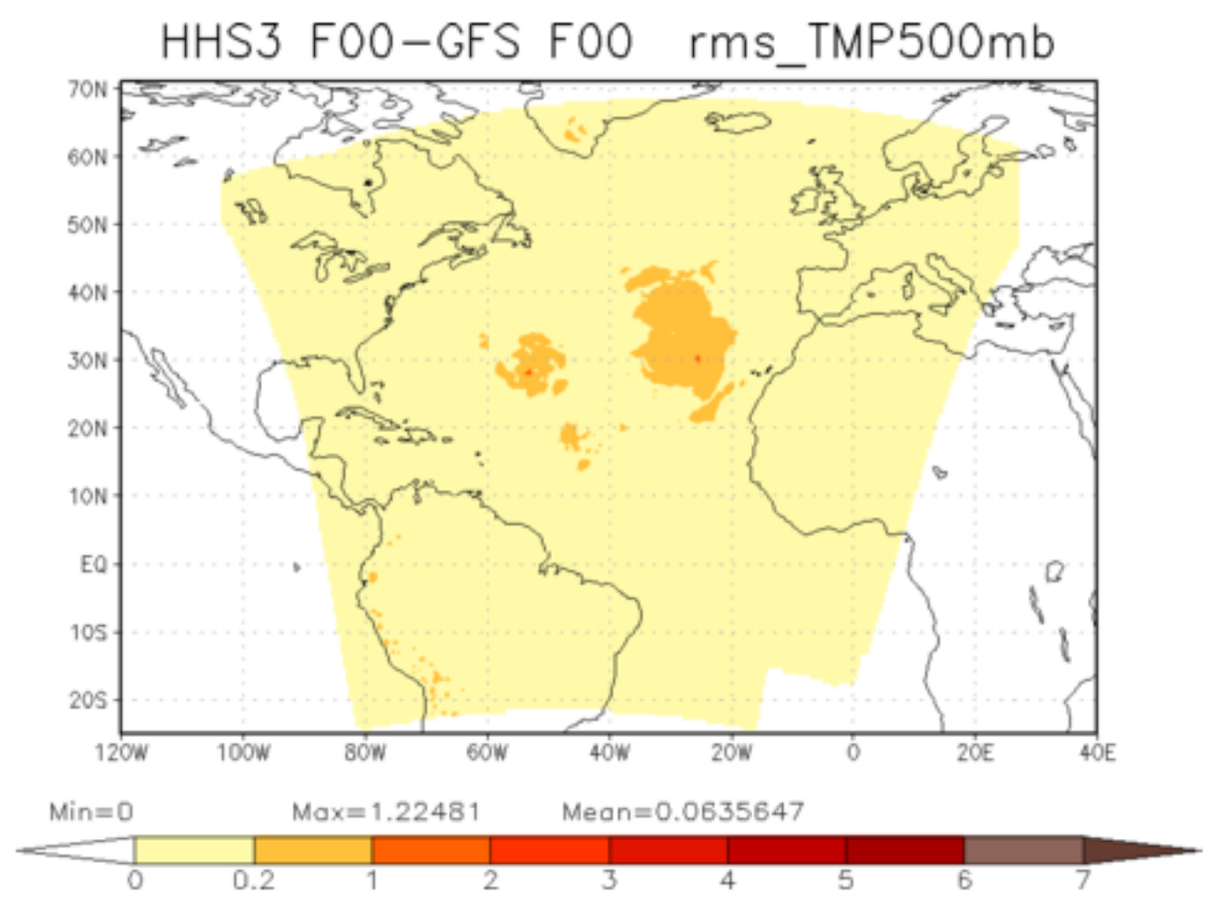

HHS3 F00-GFS F00 rms_HGT500mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=0.0159048
Max=30.7762
Mean=2.5841
0 1 5 10 15 20 25 30 35

TMP

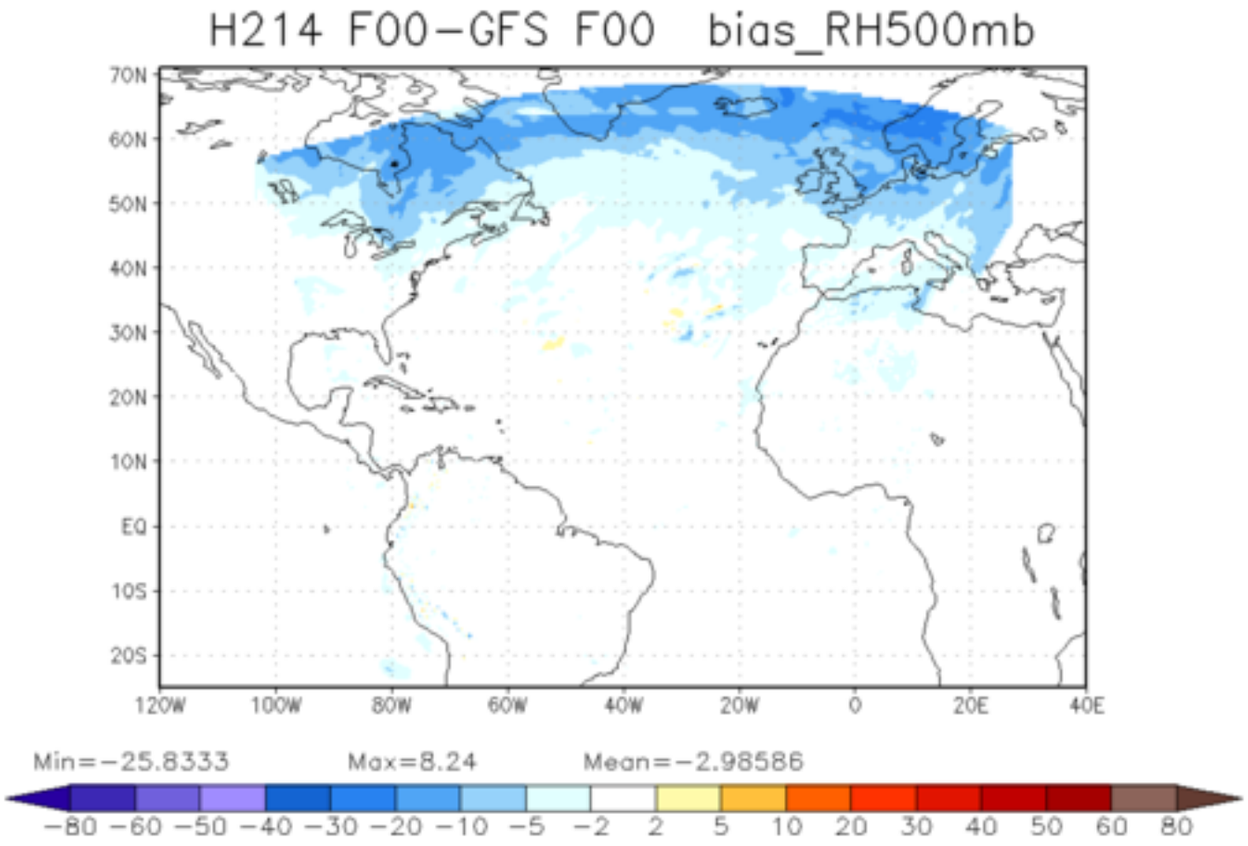

H214 F00-GFS F00 bias_TMP500mb
70N 60N 50N 40N 30N 20N 10N EQ 10S 20S
120W 100W 80W 60W 40W 20W 0 20E 40E
Min=-0.534003 Max=0.474976 Mean=0.00414367
-1 -0.8 -0.6 -0.5 -0.4 -0.3 -0.2 -0.1 -0.05 0.05 0.1 0.2 0.3 0.4 0.5 0.6 0.8 1

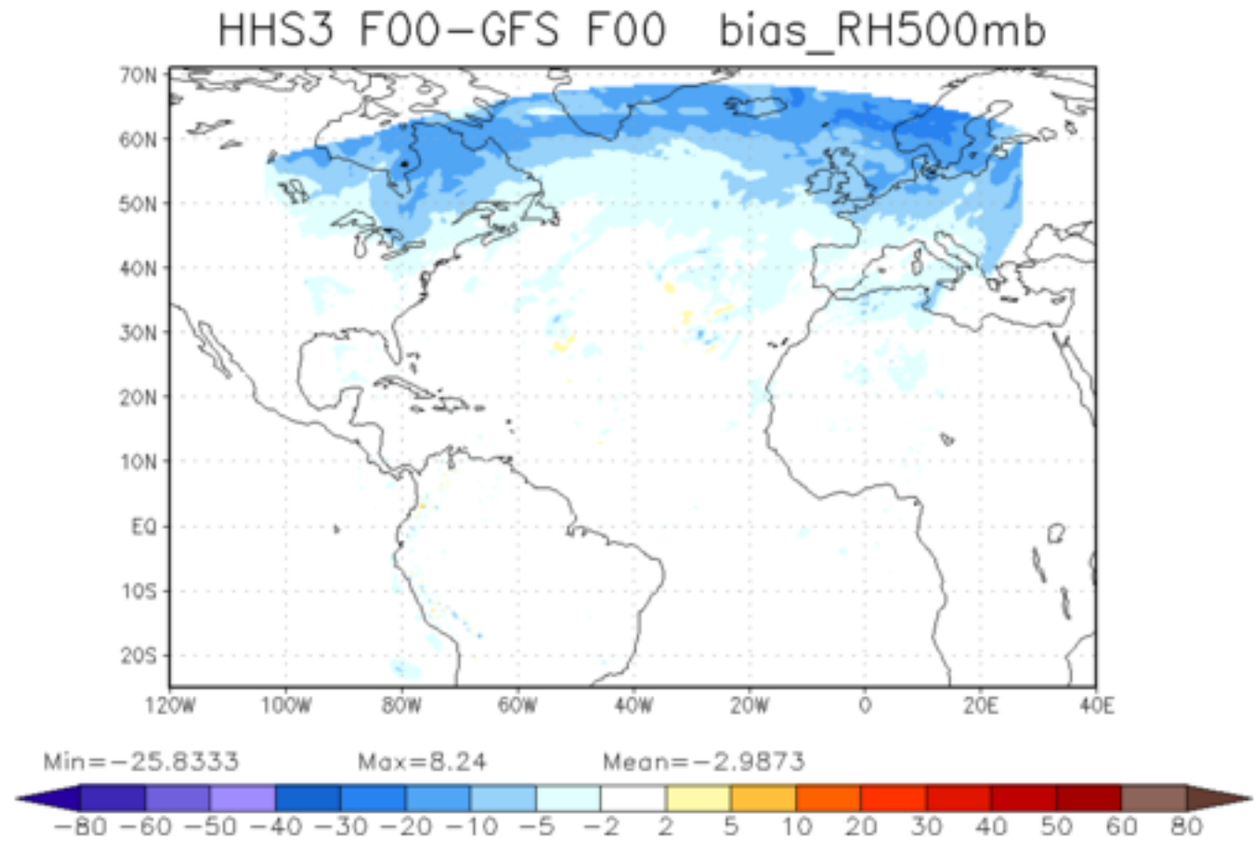

HHS3 F00-GFS F00 bias_TMP500mb
70N 60N 50N 40N 30N 20N 10N EQ 10S 20S
120W 100W 80W 60W 40W 20W 0 20E 40E
Min=-0.534003 Max=0.474976 Mean=0.00351493
-1 -0.8 -0.6 -0.5 -0.4 -0.3 -0.2 -0.1 -0.05 0.05 0.1 0.2 0.3 0.4 0.5 0.6 0.8 1

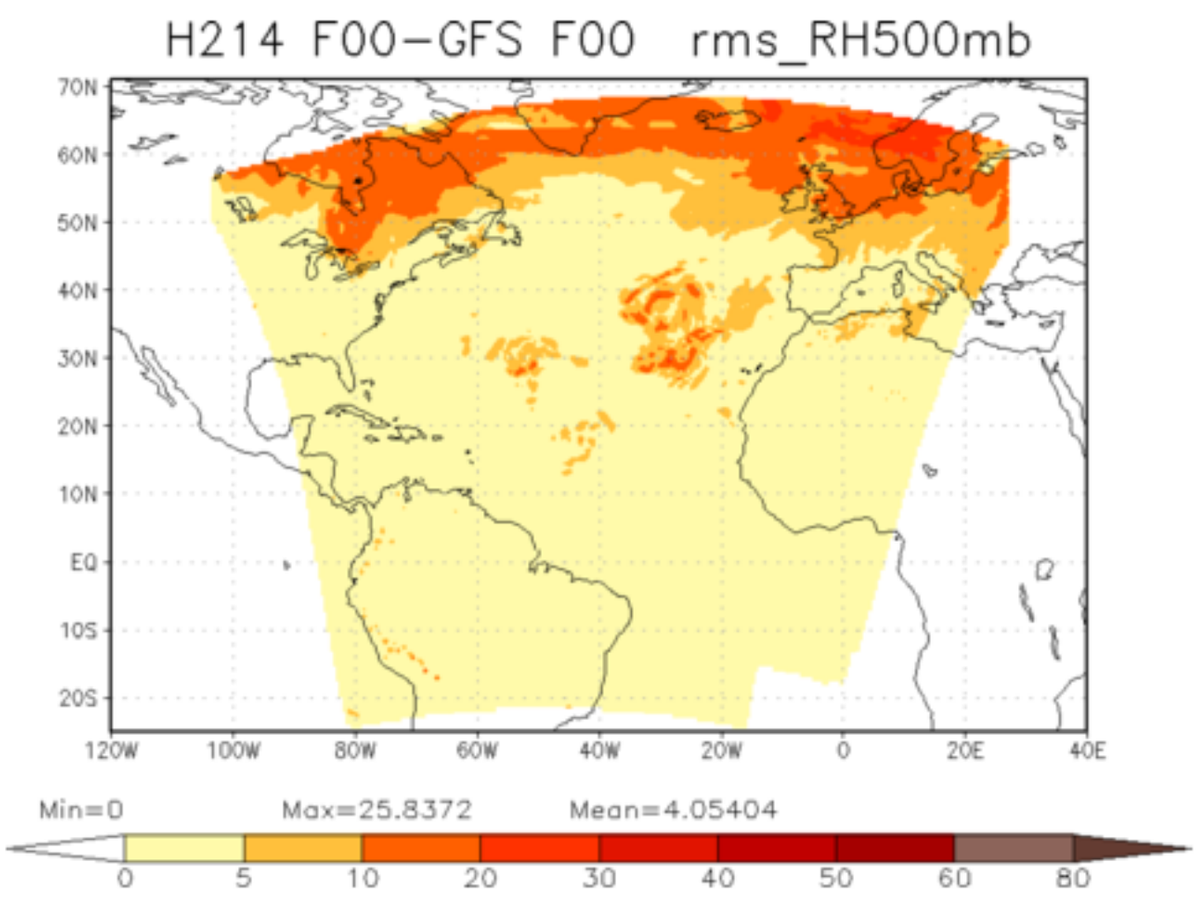

H214 F00-GFS F00 rms_TMP500mb
70N 60N 50N 40N 30N 20N 10N EQ 10S 20S
120W 100W 80W 60W 40W 20W 0 20E 40E
Min=0 Max=1.19732 Mean=0.0644878
0 0.2 1 2 3 4 5 6 7

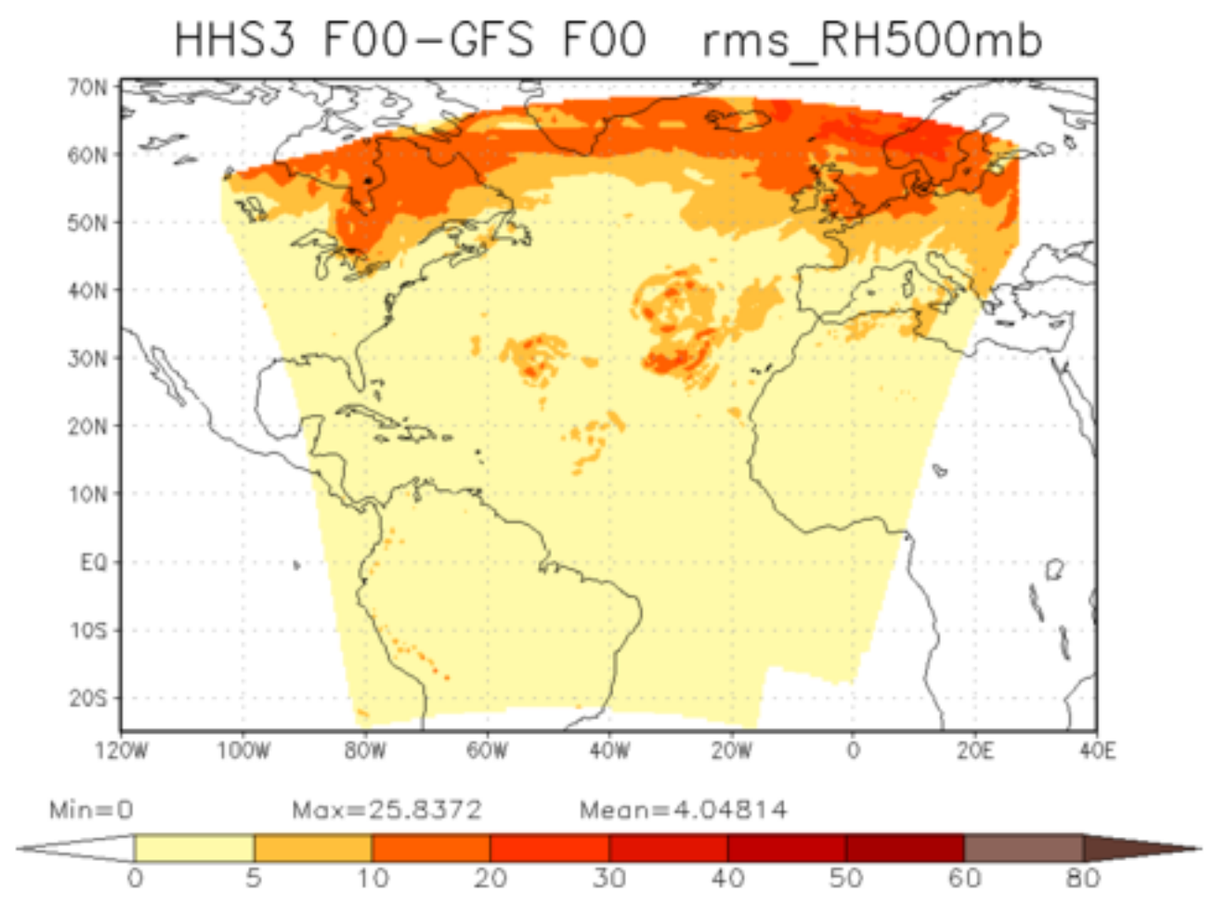

HHS3 F00-GFS F00 rms_TMP500mb
70N 60N 50N 40N 30N 20N 10N EQ 10S 20S
120W 100W 80W 60W 40W 20W 0 20E 40E
Min=0 Max=1.22481 Mean=0.0635647
0 0.2 1 2 3 4 5 6 7

RH

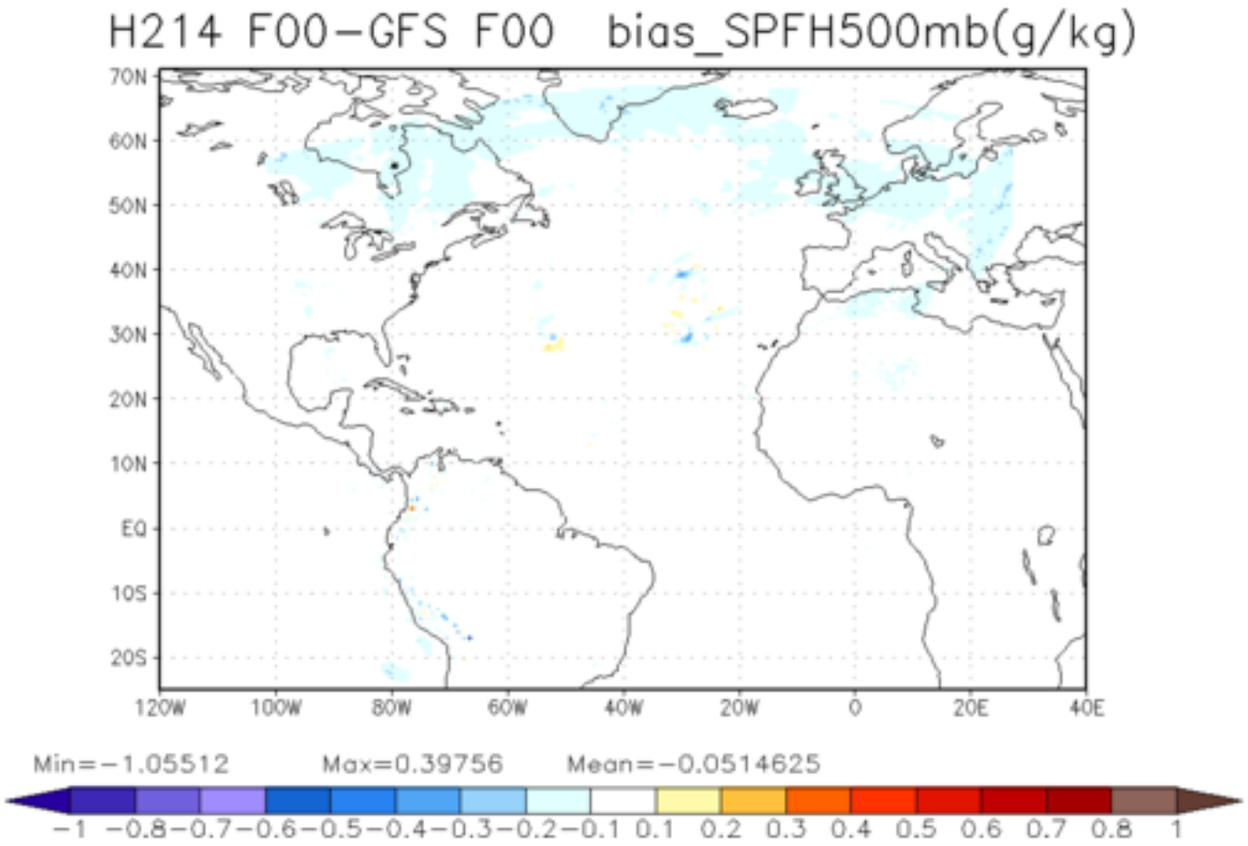

H214 F00-GFS F00 bias_RH500mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=-25.8333
Max=8.24
Mean=-2.98586
-80 -60 -50 -40 -30 -20 -10 -5 -2 2 5 10 20 30 40 50 60 80

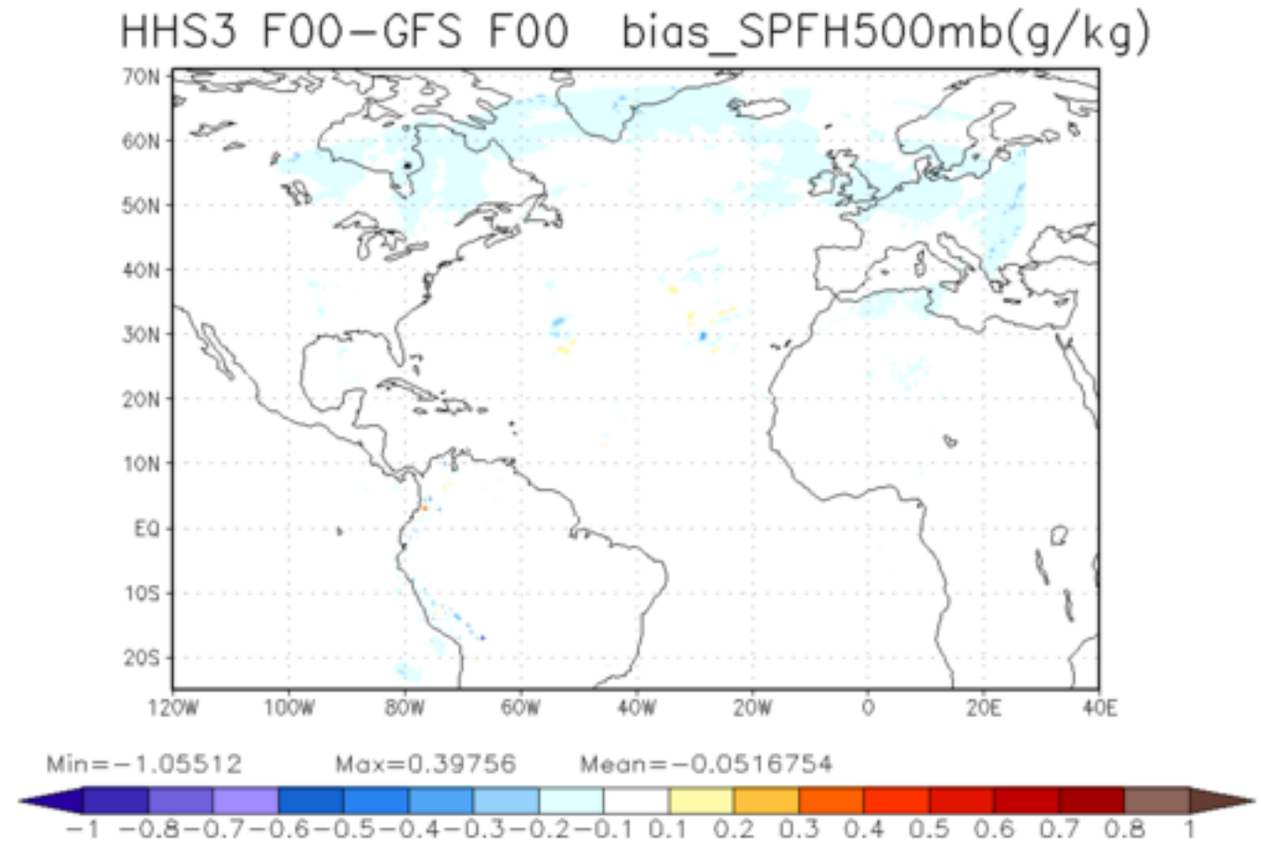

HHS3 F00-GFS F00 bias_RH500mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=-25.8333
Max=8.24
Mean=-2.9873
-80 -60 -50 -40 -30 -20 -10 -5 -2 2 5 10 20 30 40 50 60 80

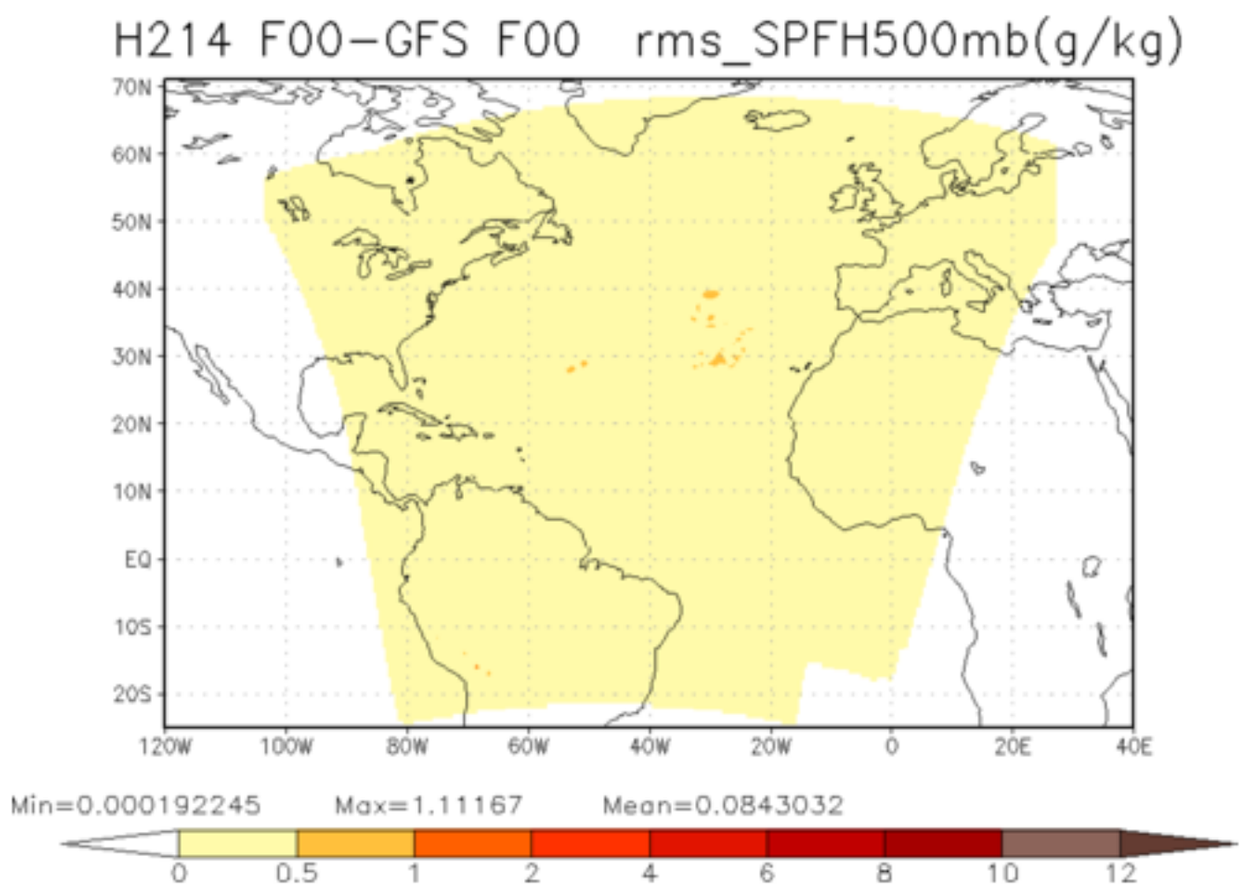

H214 F00-GFS F00 rms_RH500mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=0
Max=25.8372
Mean=4.05404
0 5 10 20 30 40 50 60 80

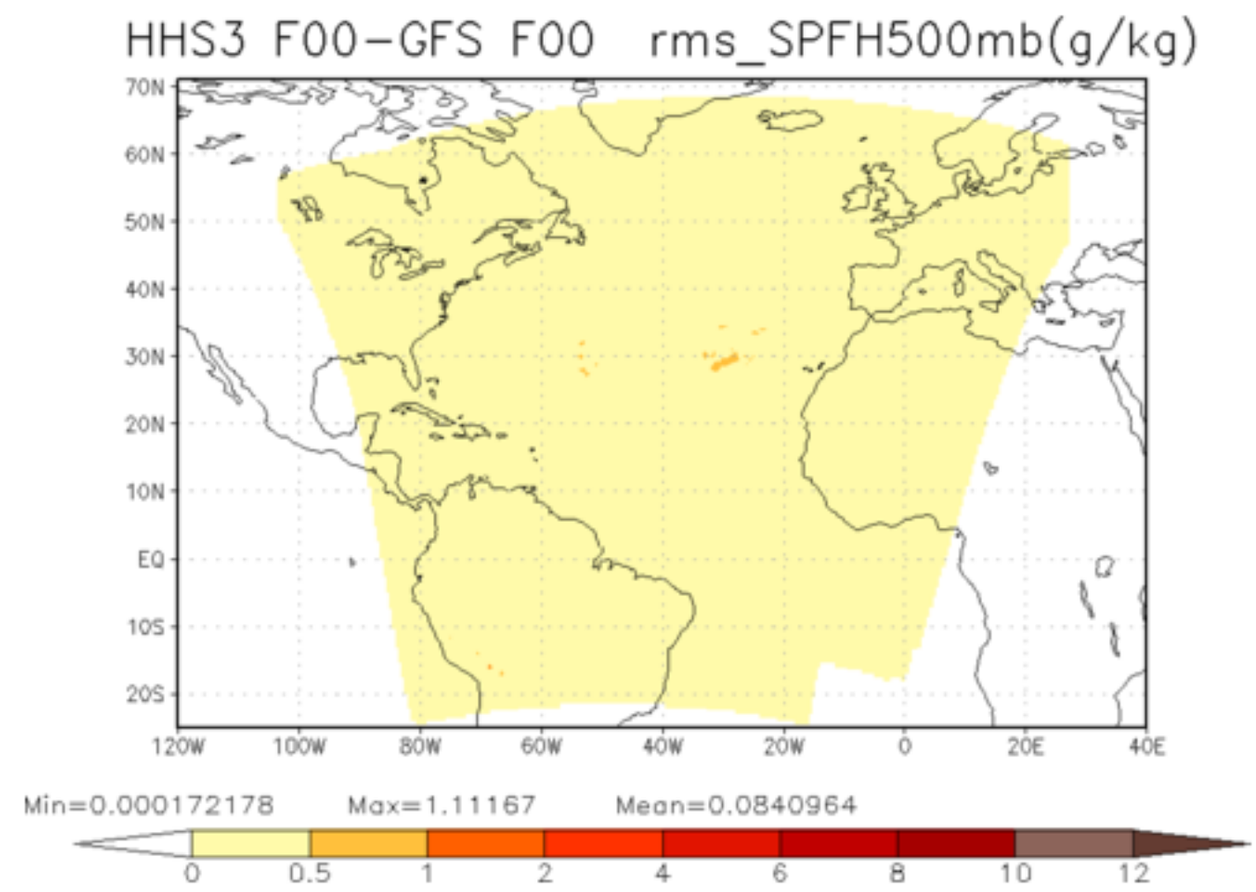

HHS3 F00-GFS F00 rms_RH500mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=0
Max=25.8372
Mean=4.04814
0 5 10 20 30 40 50 60 80

SPFH


H214 F00-GFS F00 bias_SPFH500mb(g/kg)
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=-1.05512 Max=0.39756 Mean=-0.0514625
-1 -0.8 -0.7 -0.6 -0.5 -0.4 -0.3 -0.2 -0.1 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 1


HHS3 F00-GFS F00 bias_SPFH500mb(g/kg)
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=-1.05512 Max=0.39756 Mean=-0.0516754
-1 -0.8 -0.7 -0.6 -0.5 -0.4 -0.3 -0.2 -0.1 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 1


H214 F00-GFS F00 rms_SPFH500mb(g/kg)
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=0.000192245 Max=1.11167 Mean=0.0843032
0 0.5 1 2 4 6 8 10 12


HHS3 F00-GFS F00 rms_SPFH500mb(g/kg)
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=0.000172178 Max=1.11167 Mean=0.0840964
0 0.5 1 2 4 6 8 10 12