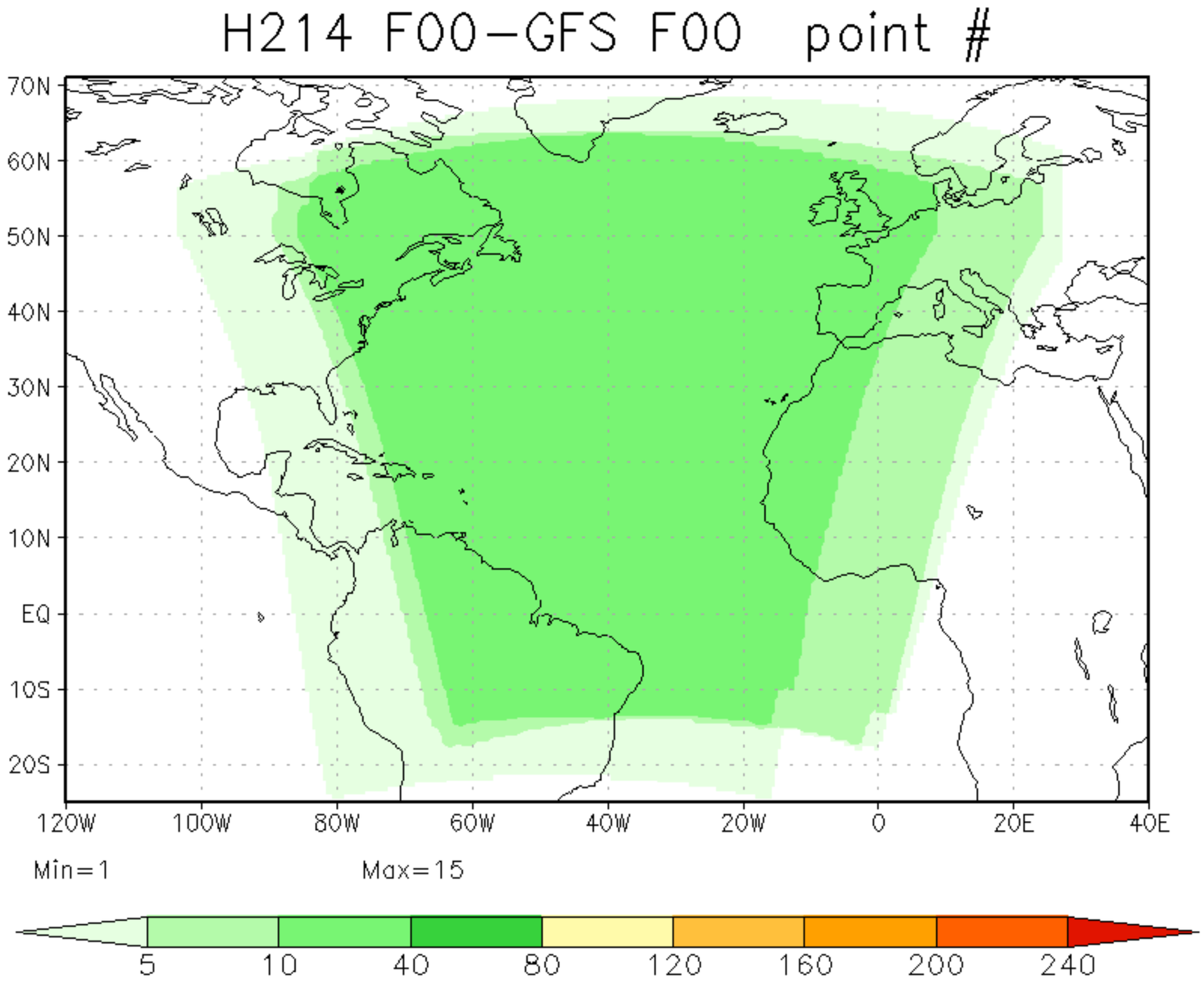
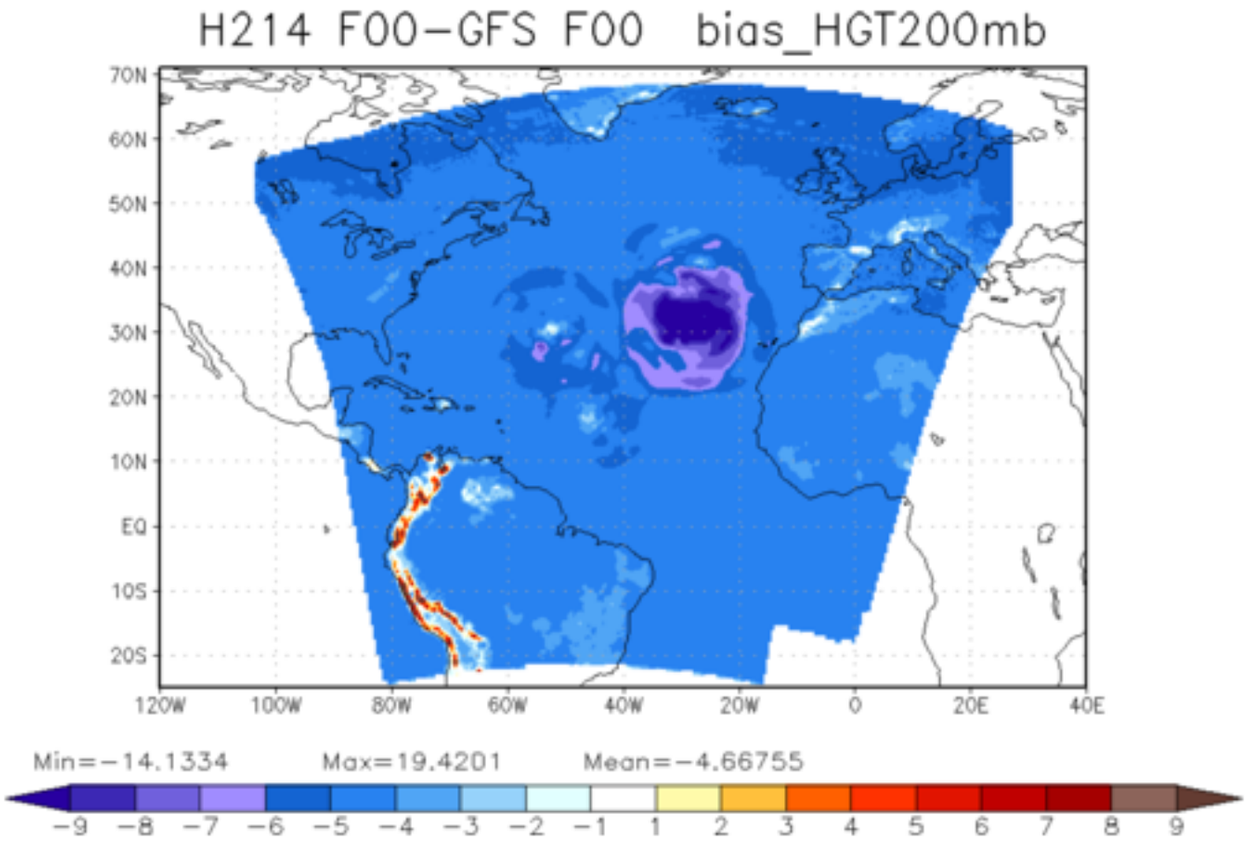
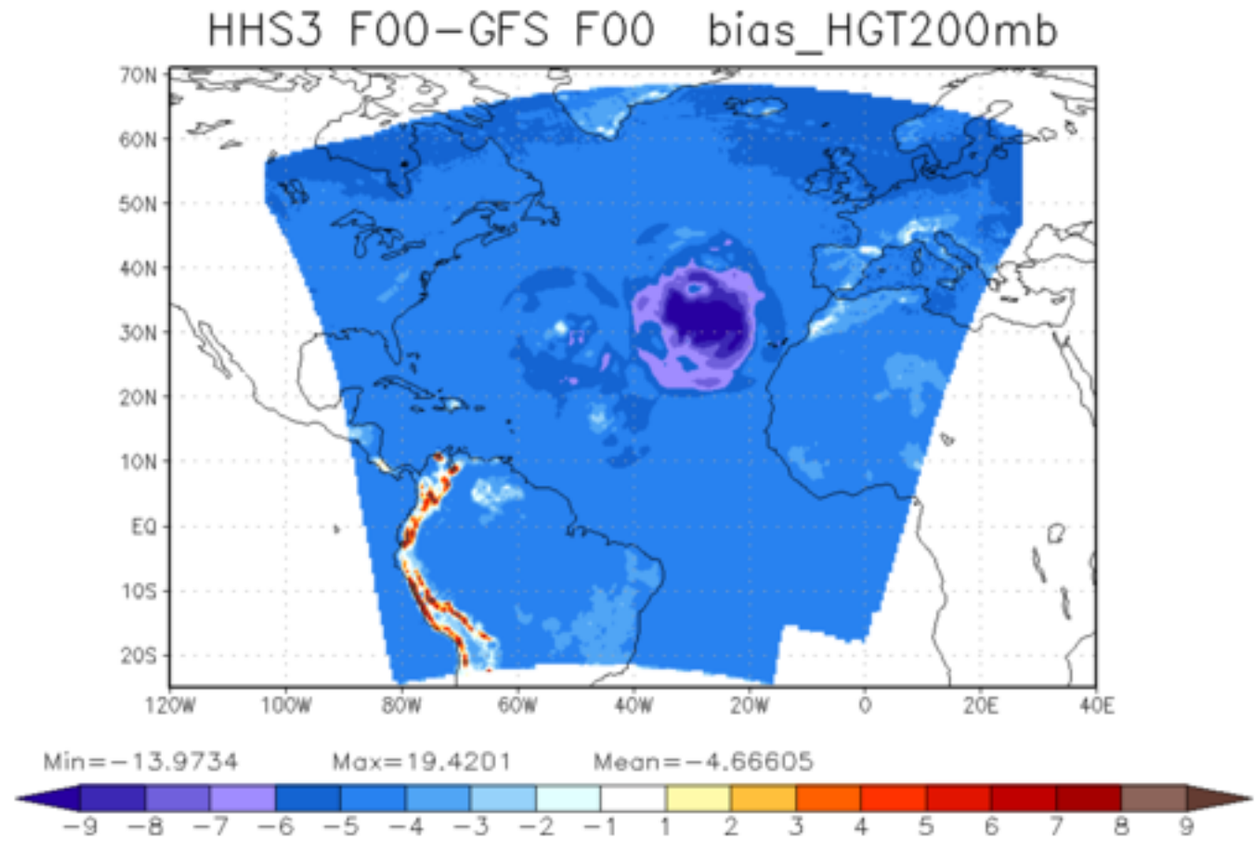
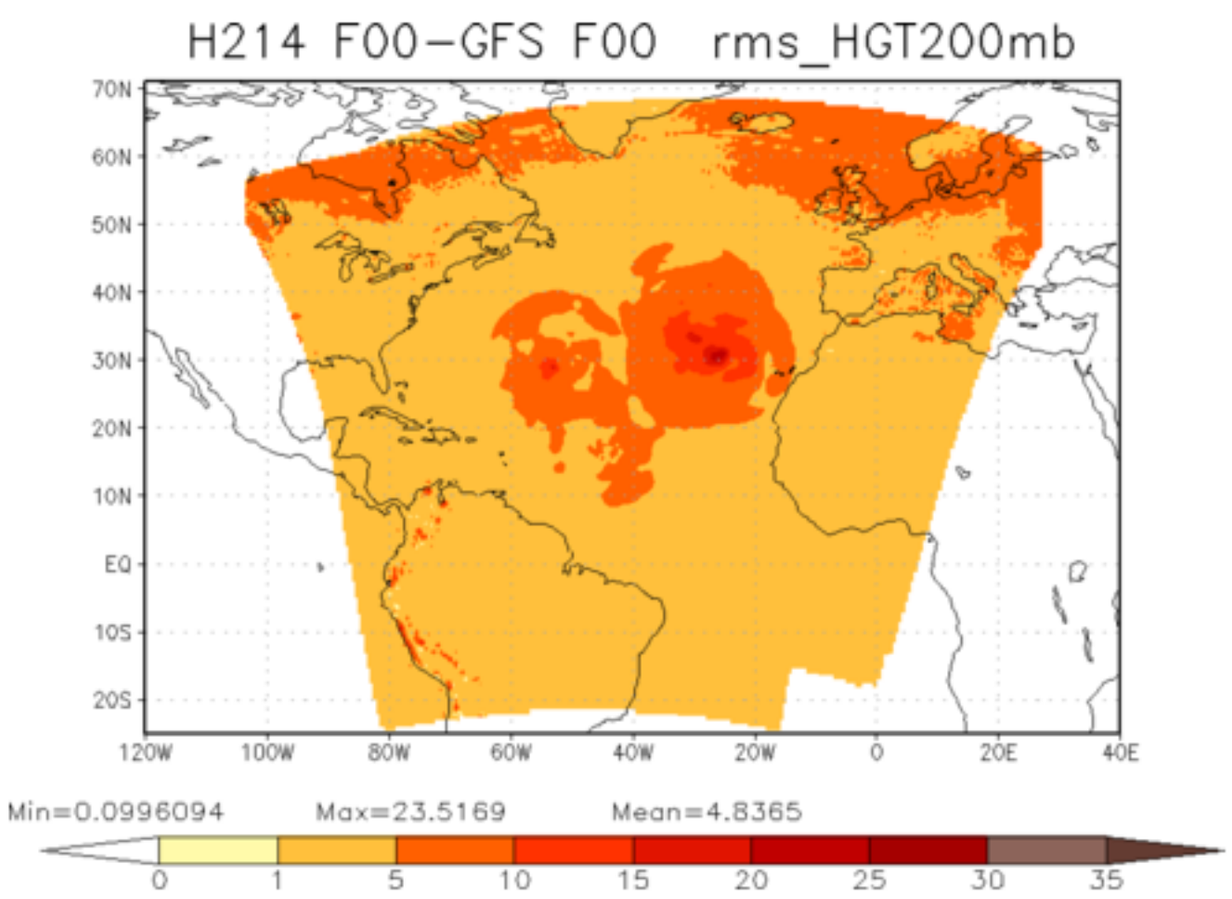
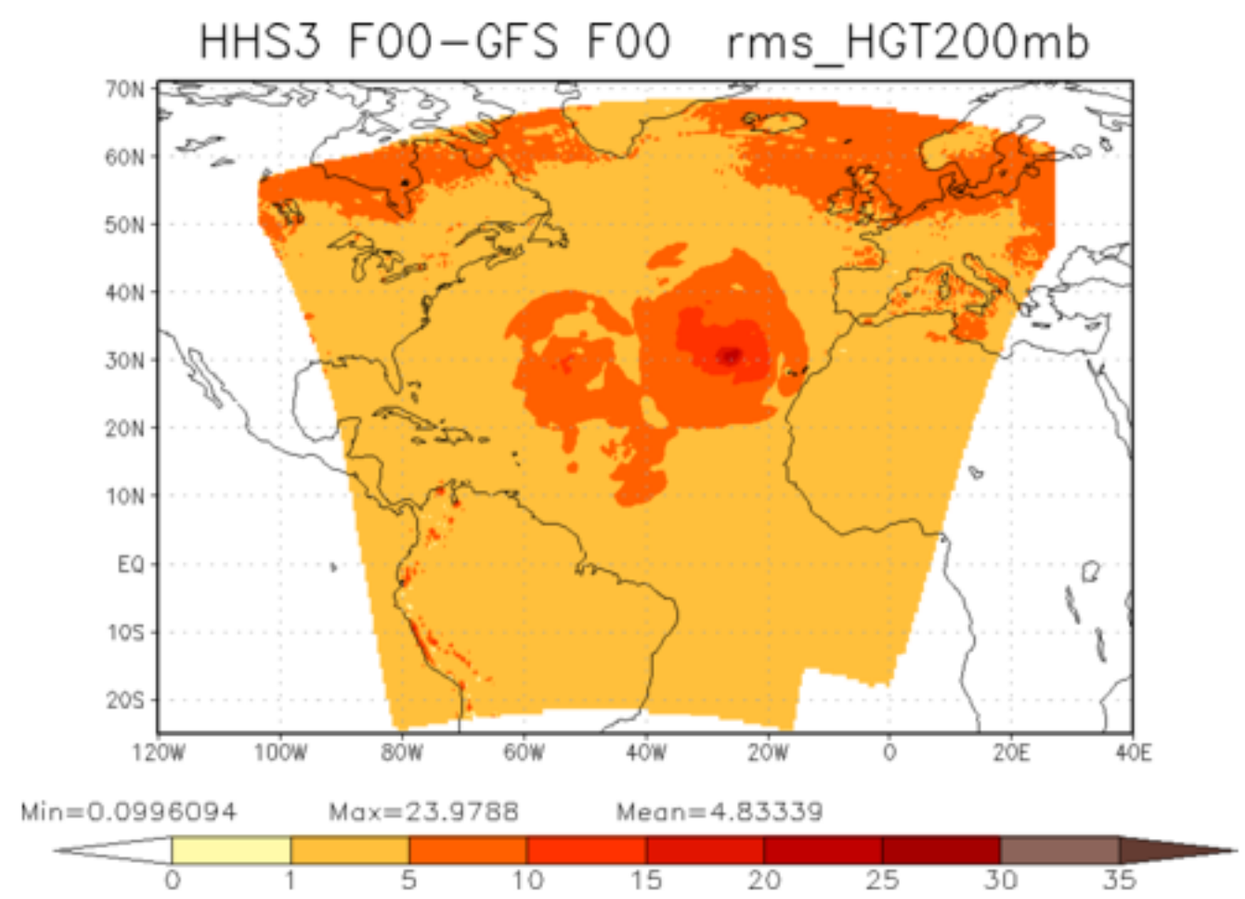

H214 F00−GFS F00 point #
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=1
Max=15
5
10
40
80
120
160
200
240

HGT

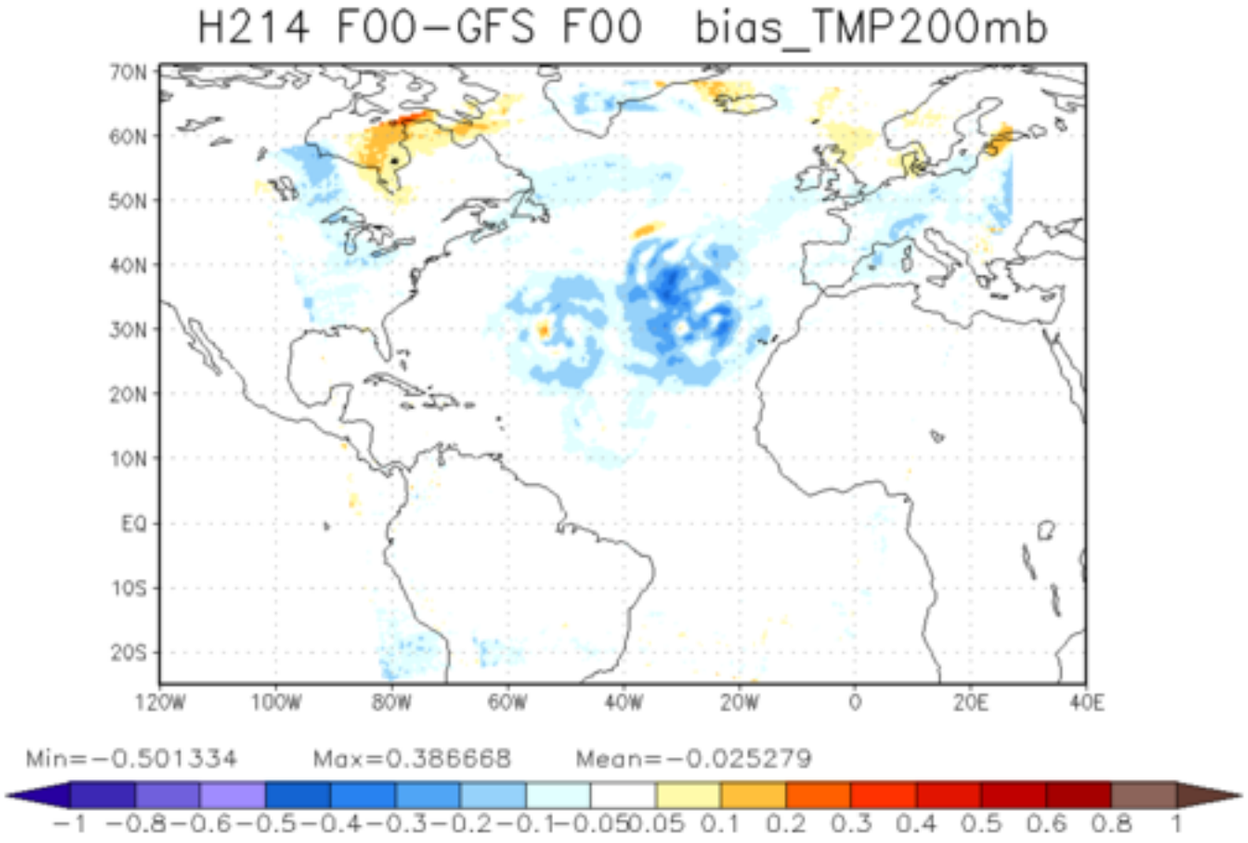

H214 F00-GFS F00 bias_HGT200mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=-14.1334
Max=19.4201
Mean=-4.66755
-9 -8 -7 -6 -5 -4 -3 -2 -1 1 2 3 4 5 6 7 8 9

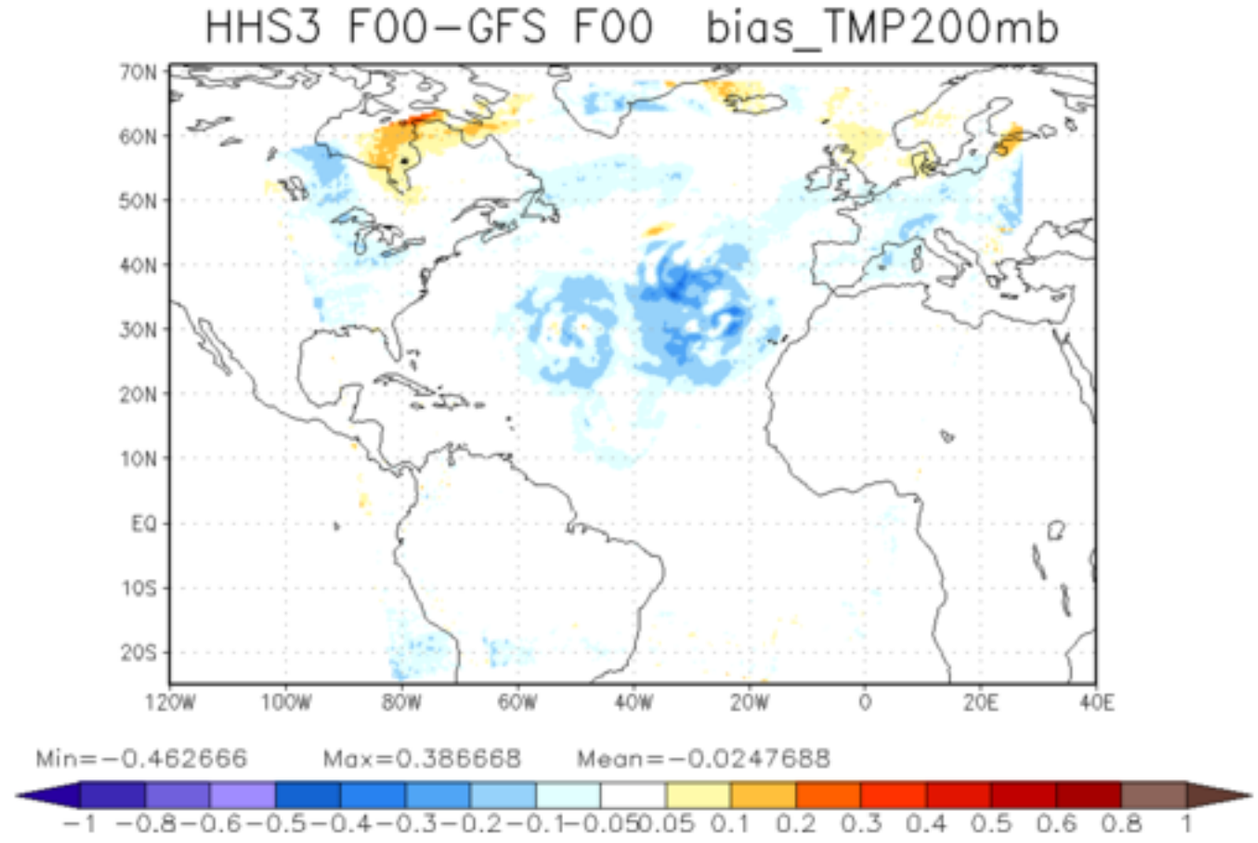

HHS3 F00-GFS F00 bias_HGT200mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=-13.9734
Max=19.4201
Mean=-4.66605
-9 -8 -7 -6 -5 -4 -3 -2 -1 1 2 3 4 5 6 7 8 9

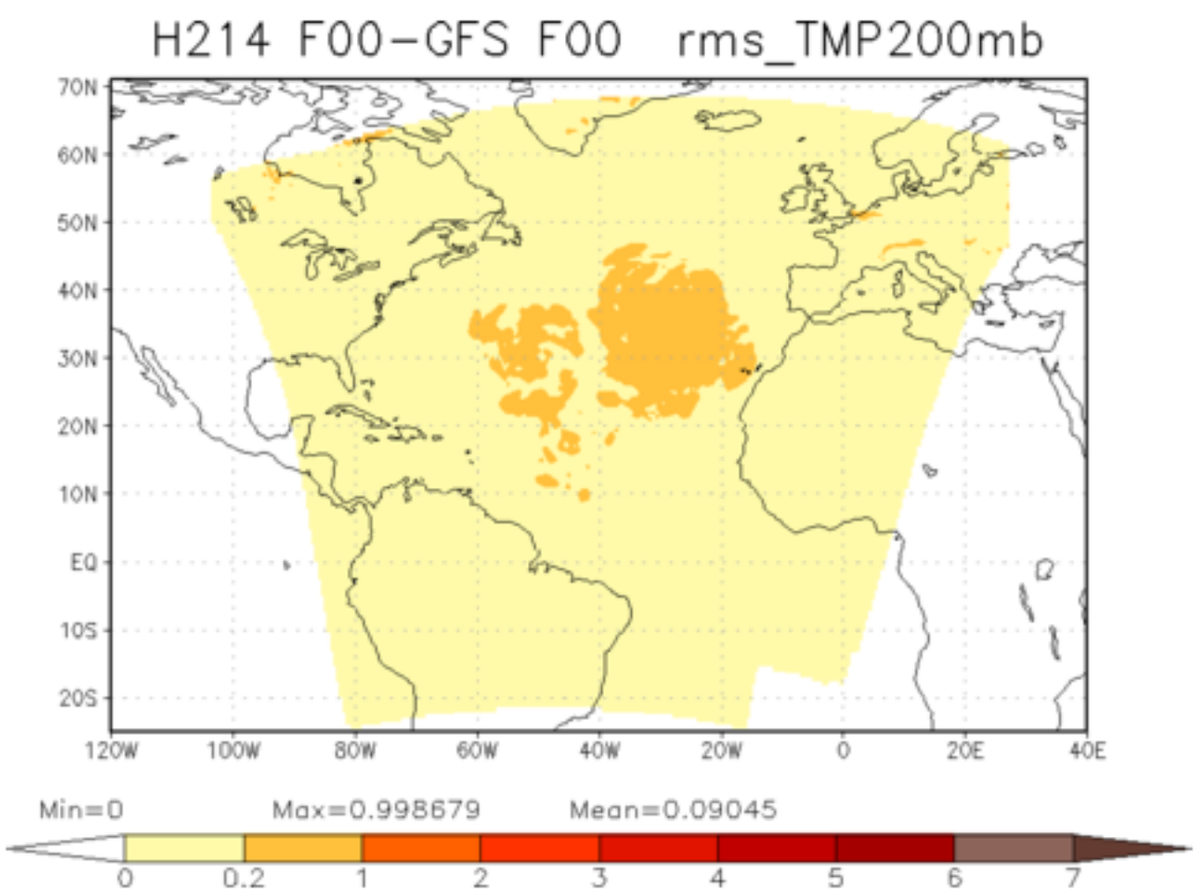

H214 F00-GFS F00 rms_HGT200mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=0.0996094
Max=23.5169
Mean=4.8365
0 1 5 10 15 20 25 30 35

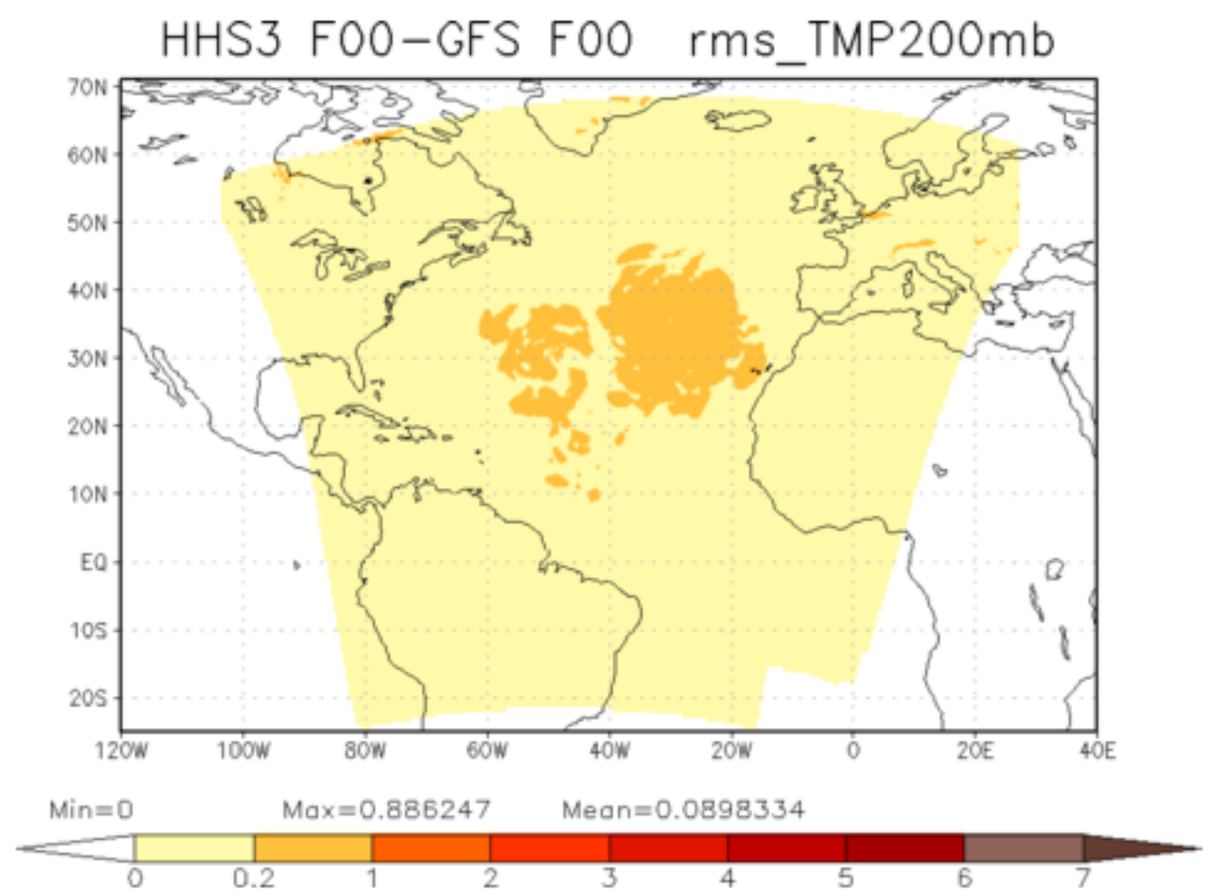

HHS3 F00-GFS F00 rms_HGT200mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=0.0996094
Max=23.9788
Mean=4.83339
0 1 5 10 15 20 25 30 35

TMP

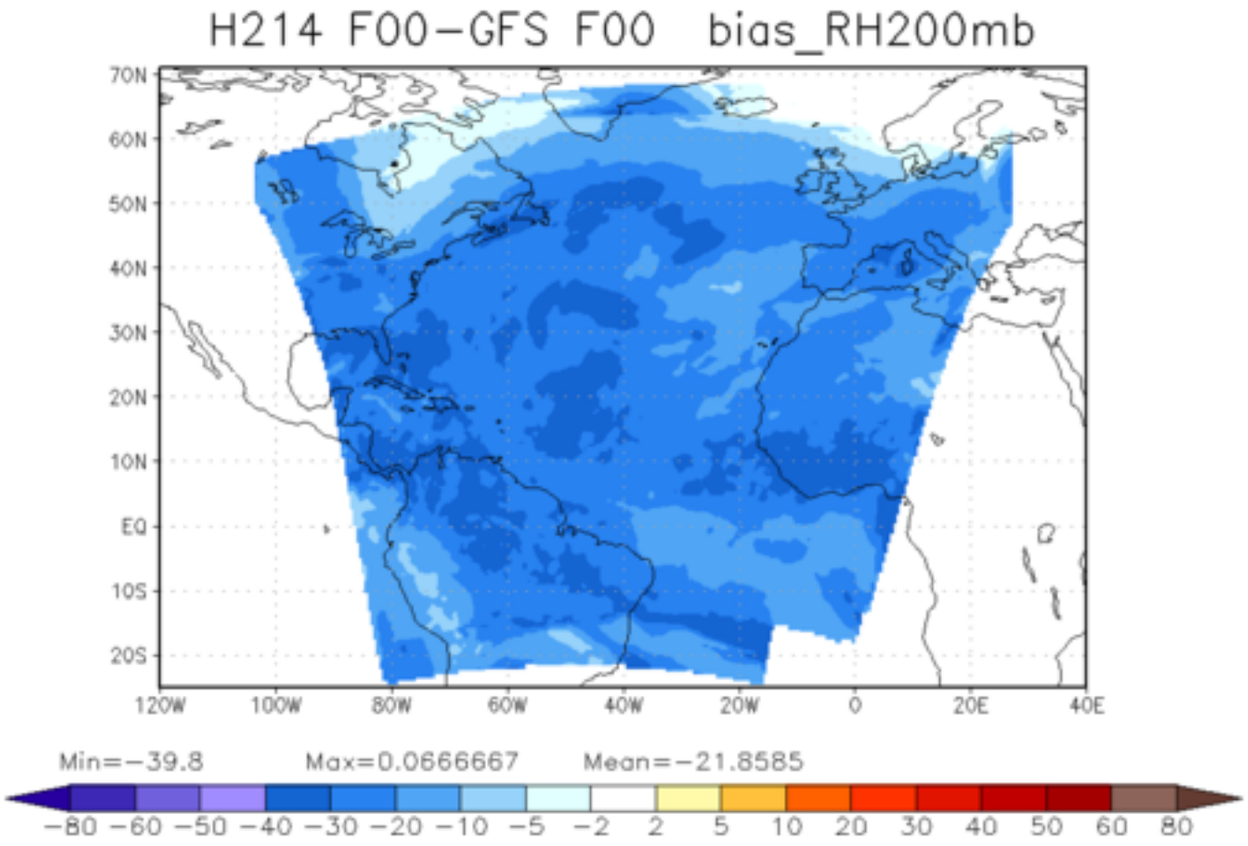

H214 F00-GFS F00 bias_TMP200mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=-0.501334 Max=0.386668 Mean=-0.025279
-1 -0.8 -0.6 -0.5 -0.4 -0.3 -0.2 -0.1 -0.05 0.05 0.1 0.2 0.3 0.4 0.5 0.6 0.8 1

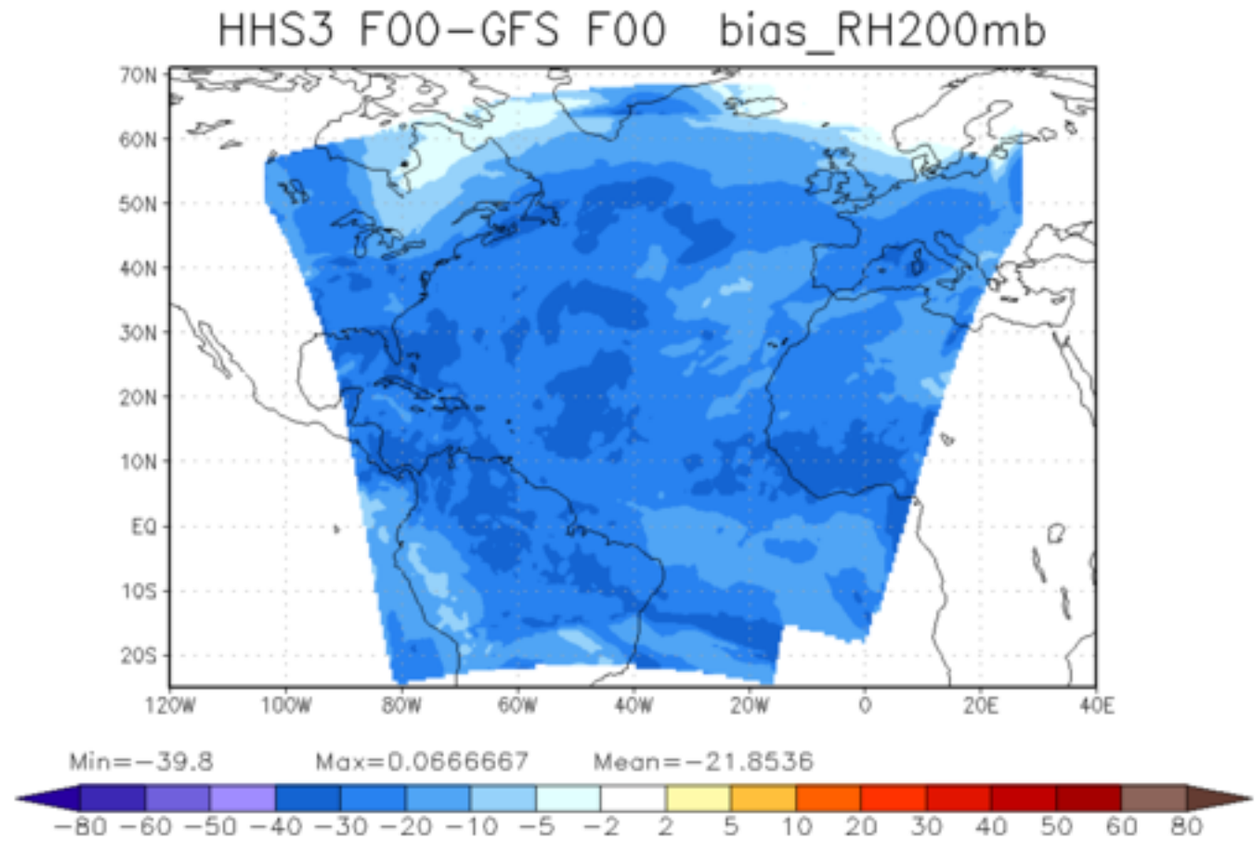

HHS3 F00-GFS F00 bias_TMP200mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=-0.462666 Max=0.386668 Mean=-0.0247688
-1 -0.8 -0.6 -0.5 -0.4 -0.3 -0.2 -0.1 -0.05 0.05 0.1 0.2 0.3 0.4 0.5 0.6 0.8 1

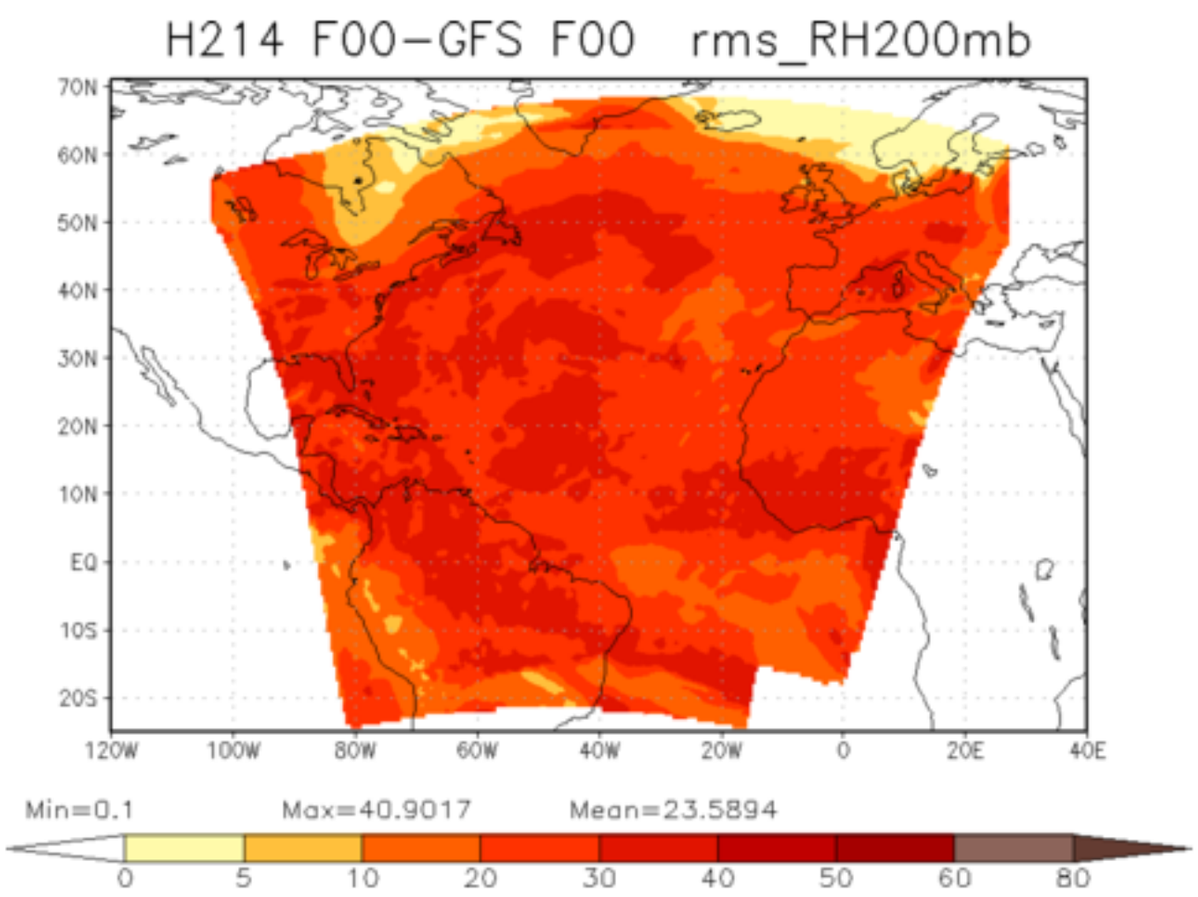

H214 F00-GFS F00 rms_TMP200mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=0 Max=0.998679 Mean=0.09045
0 0.2 1 2 3 4 5 6 7

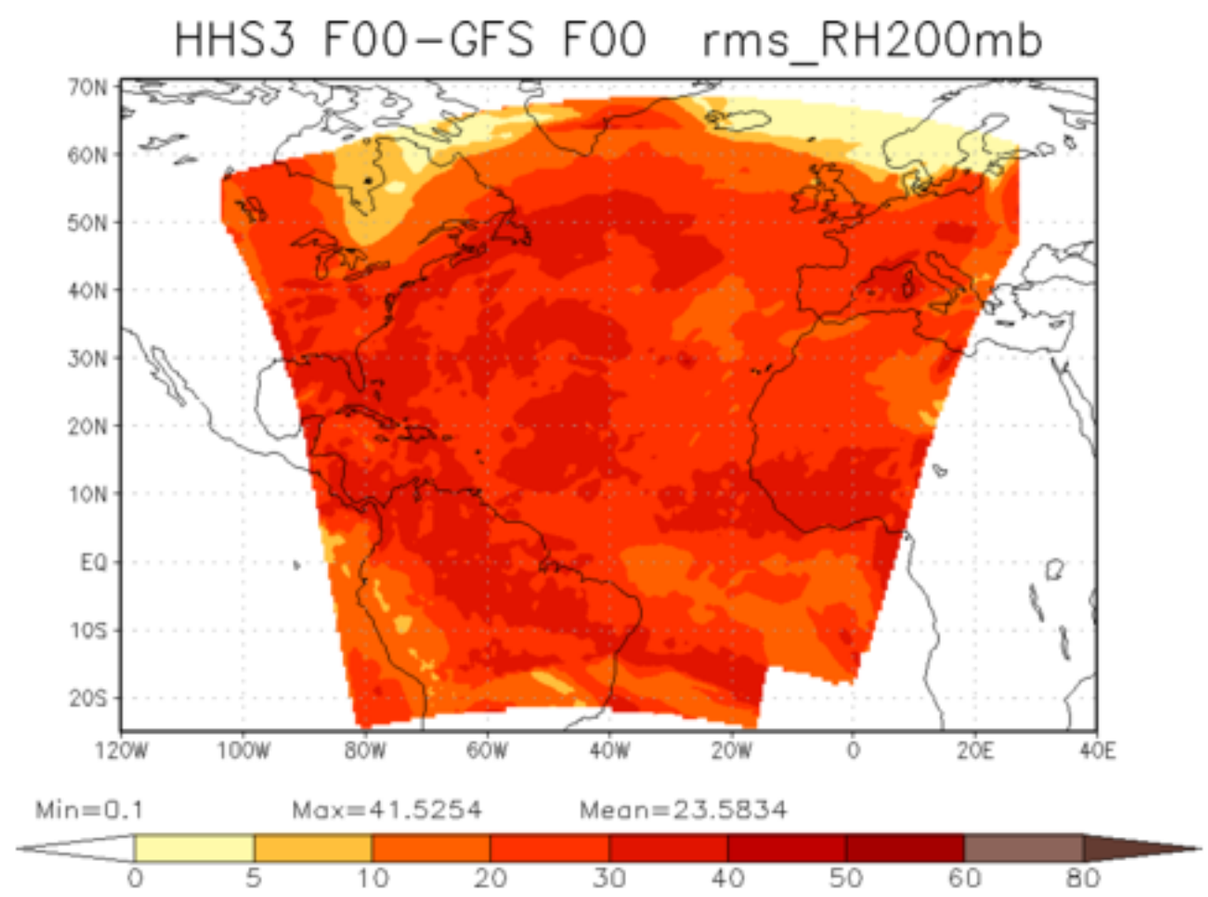

HHS3 F00-GFS F00 rms_TMP200mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=0 Max=0.886247 Mean=0.0898334
0 0.2 1 2 3 4 5 6 7

RH

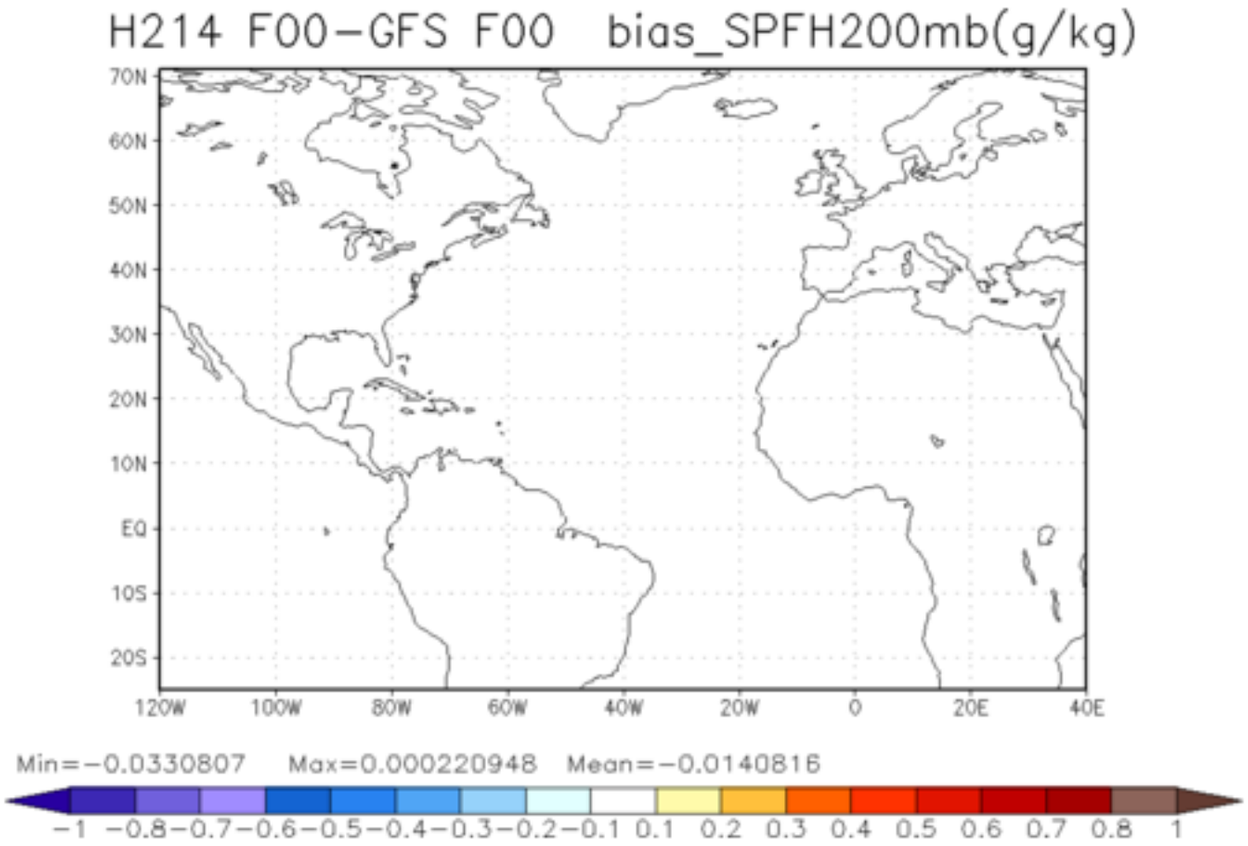

H214 F00-GFS F00 bias_RH200mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=-39.8
Max=0.0666667
Mean=-21.8585
-80 -60 -50 -40 -30 -20 -10 -5 -2 2 5 10 20 30 40 50 60 80

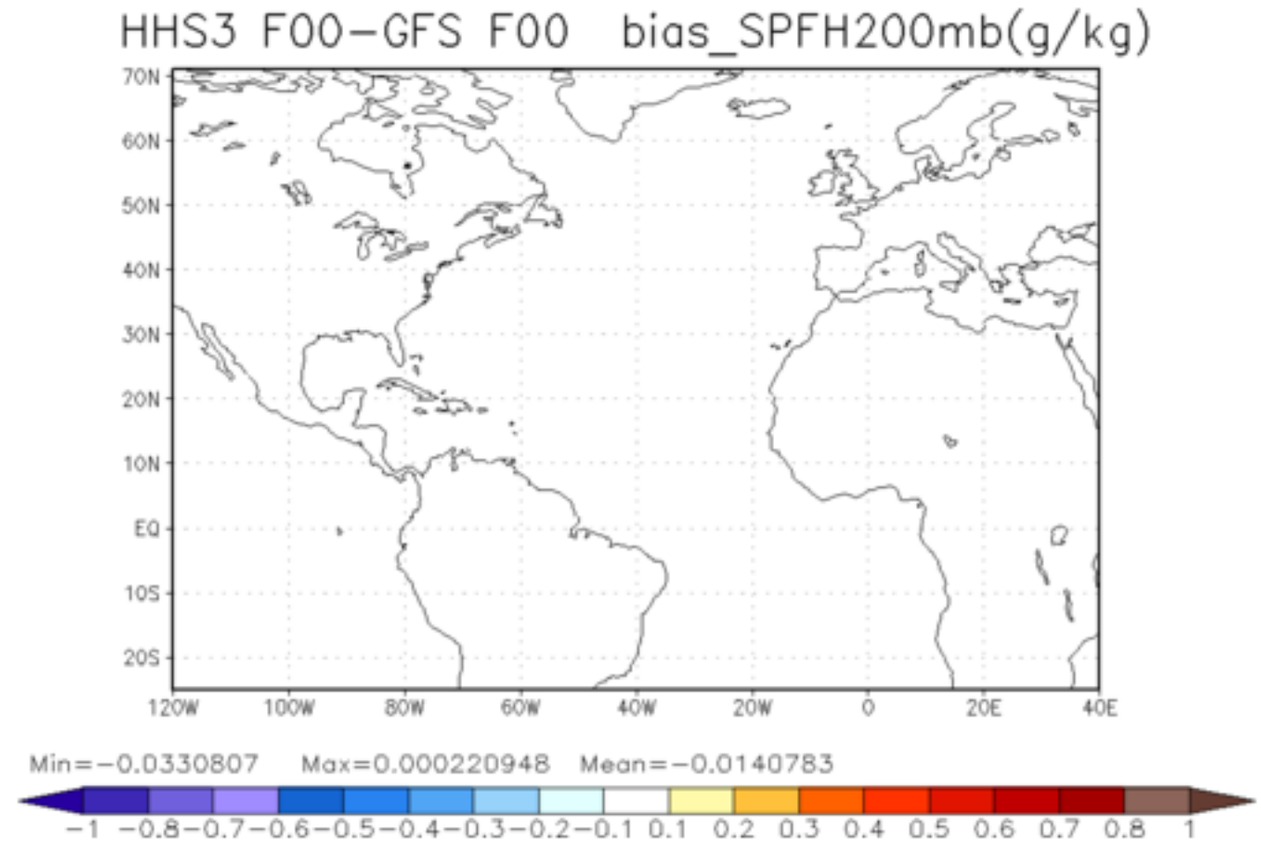

HHS3 F00-GFS F00 bias_RH200mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=-39.8
Max=0.0666667
Mean=-21.8536
-80 -60 -50 -40 -30 -20 -10 -5 -2 2 5 10 20 30 40 50 60 80

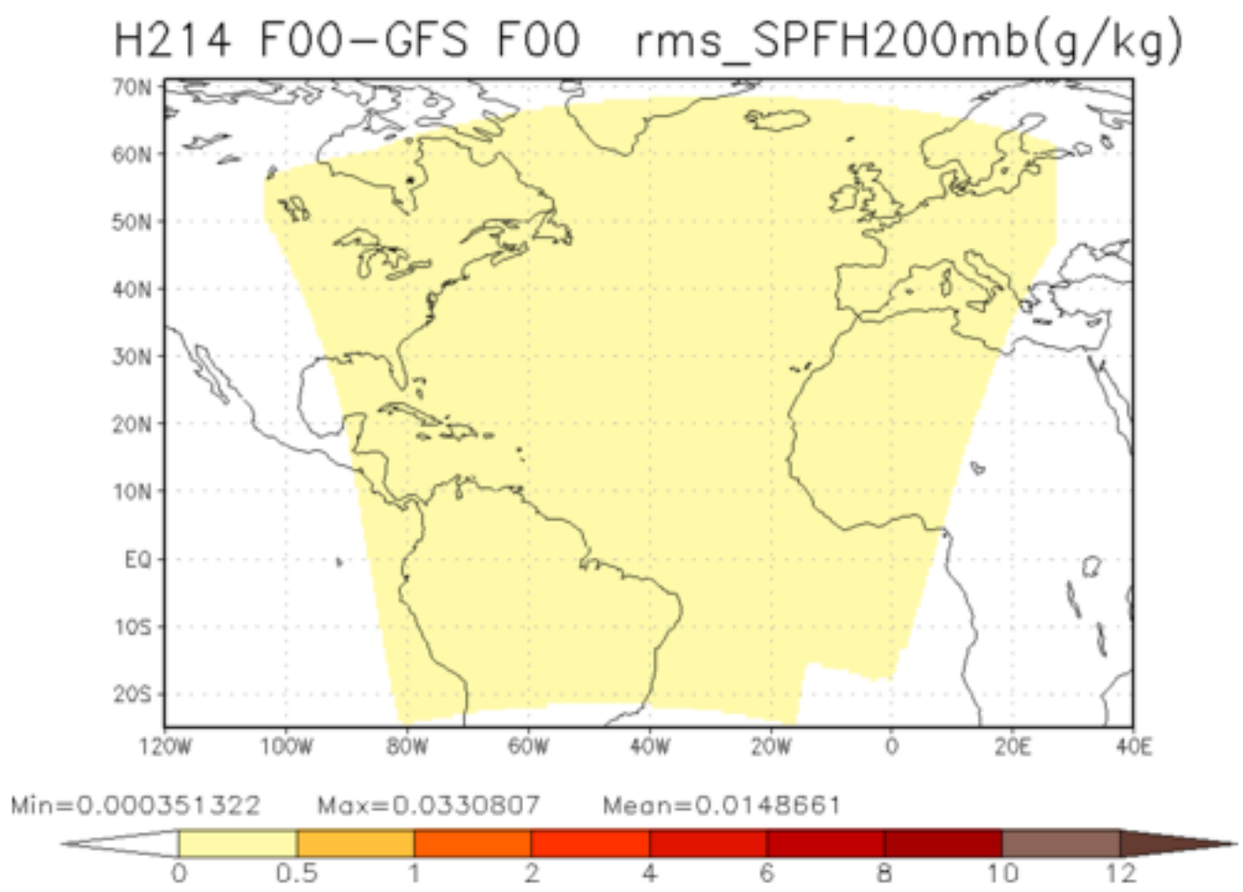

H214 F00-GFS F00 rms_RH200mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=0.1
Max=40.9017
Mean=23.5894
0 5 10 20 30 40 50 60 80

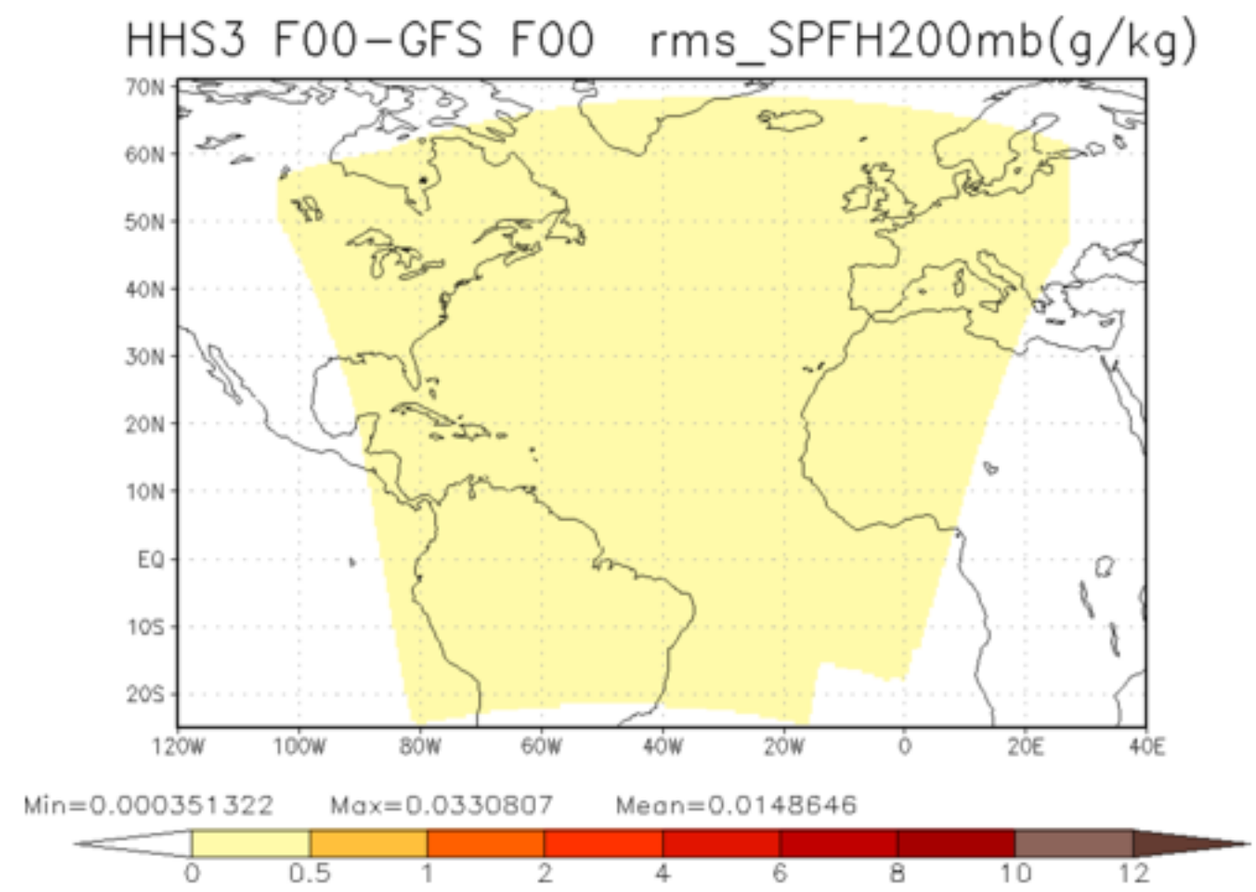

HHS3 F00-GFS F00 rms_RH200mb
70N
60N
50N
40N
30N
20N
10N
EQ
10S
20S
120W
100W
80W
60W
40W
20W
0
20E
40E
Min=0.1
Max=41.5254
Mean=23.5834
0 5 10 20 30 40 50 60 80

SPFH


H214 F00-GFS F00 bias_SPFH200mb(g/kg)
70N 60N 50N 40N 30N 20N 10N EQ 10S 20S
120W 100W 80W 60W 40W 20W 0 20E 40E
Min=-0.0330807 Max=0.000220948 Mean=-0.0140816
-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_SPFH200mb(g/kg)
70N 60N 50N 40N 30N 20N 10N EQ 10S 20S
120W 100W 80W 60W 40W 20W 0 20E 40E
Min=-0.0330807 Max=0.000220948 Mean=-0.0140783
-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_SPFH200mb(g/kg)
70N 60N 50N 40N 30N 20N 10N EQ 10S 20S
120W 100W 80W 60W 40W 20W 0 20E 40E
Min=0.000351322 Max=0.0330807 Mean=0.0148661
0 0.5 1 2 4 6 8 10 12


HHS3 F00-GFS F00 rms_SPFH200mb(g/kg)
70N 60N 50N 40N 30N 20N 10N EQ 10S 20S
120W 100W 80W 60W 40W 20W 0 20E 40E
Min=0.000351322 Max=0.0330807 Mean=0.0148646
0 0.5 1 2 4 6 8 10 12