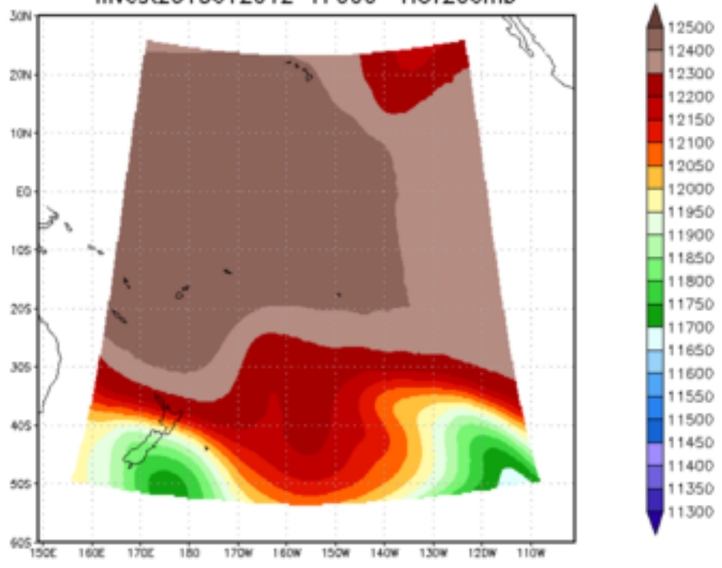
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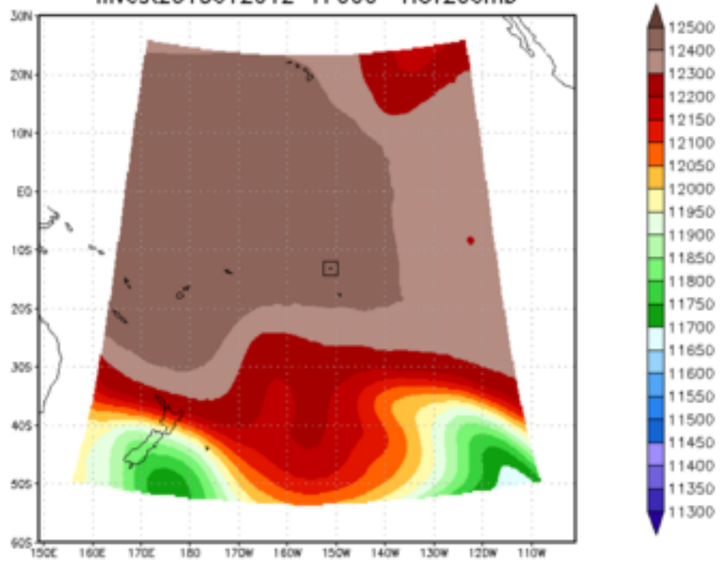
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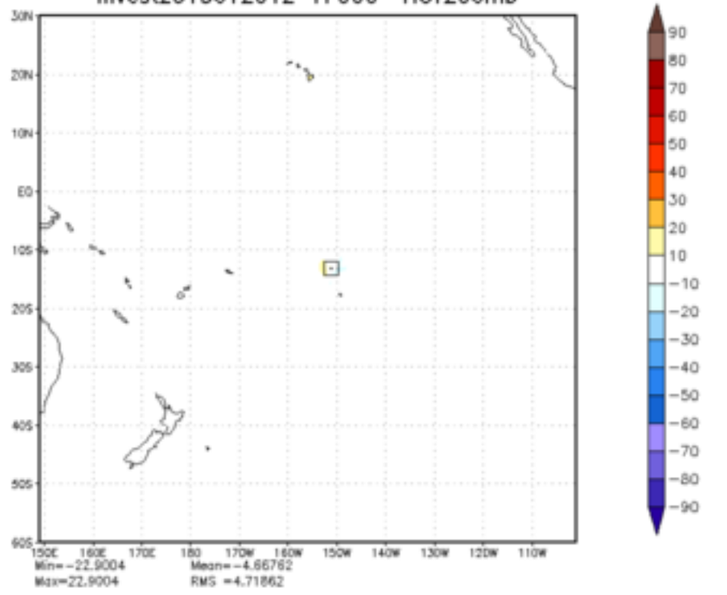
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Max=22.9004
Mean=-4.66762
RMS =4.71862
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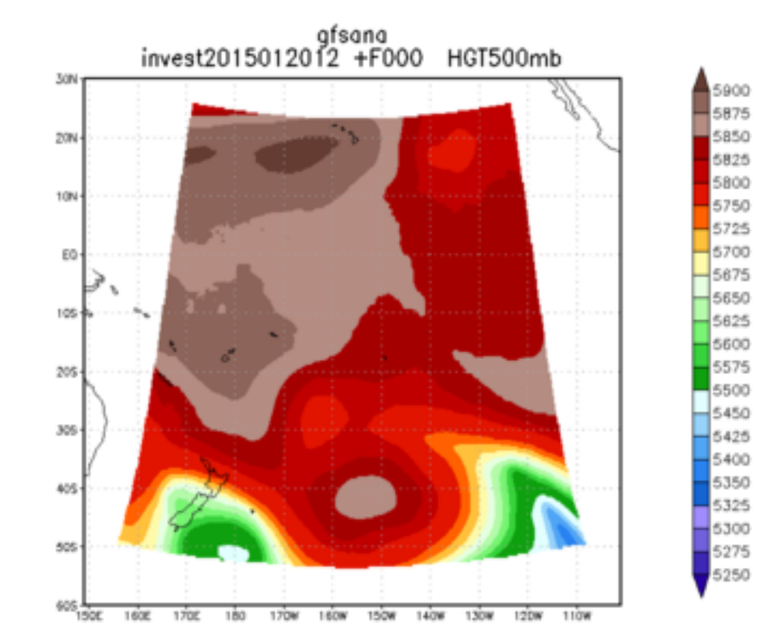
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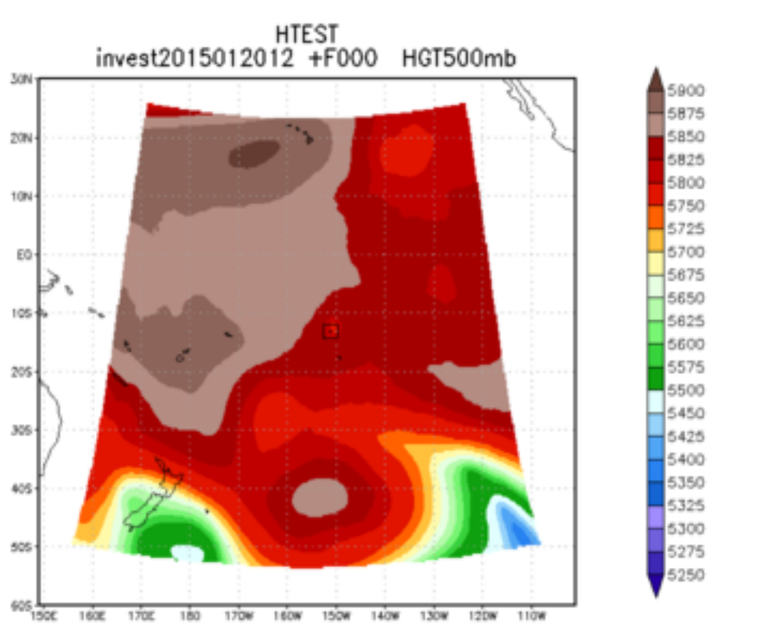
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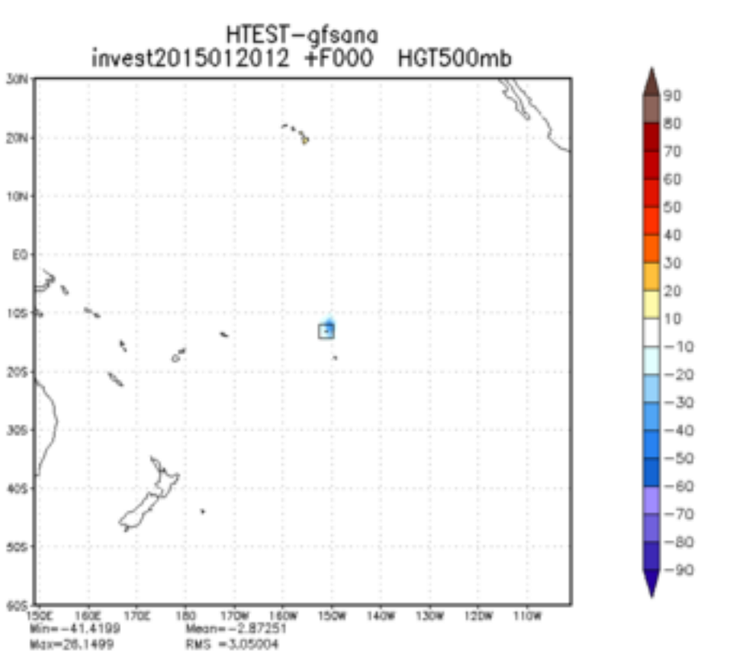
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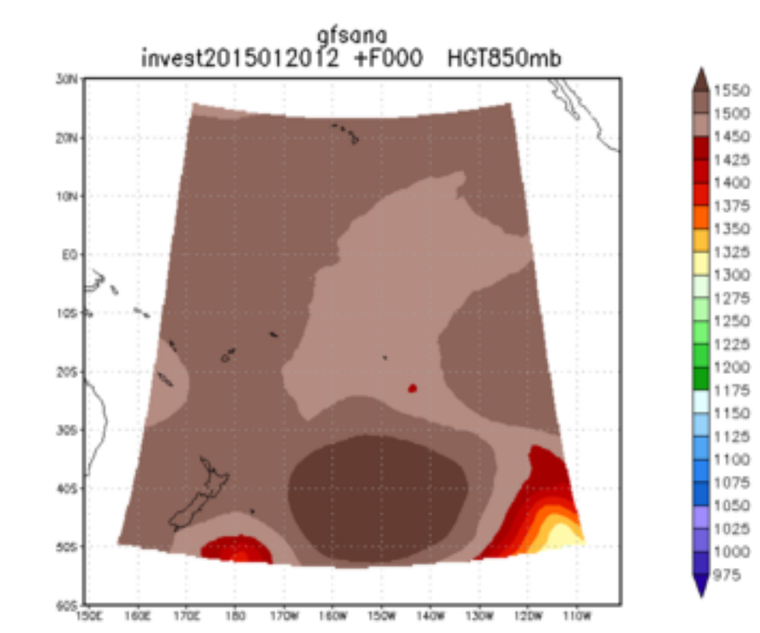
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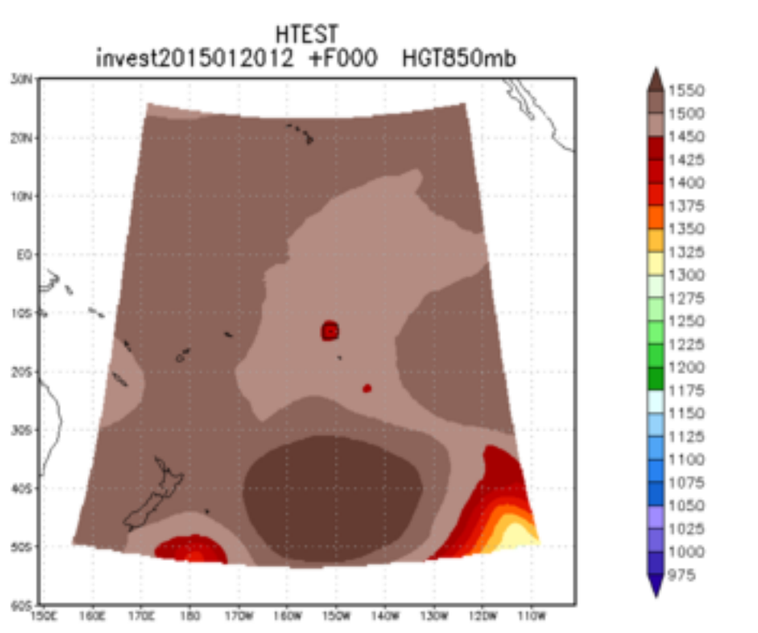
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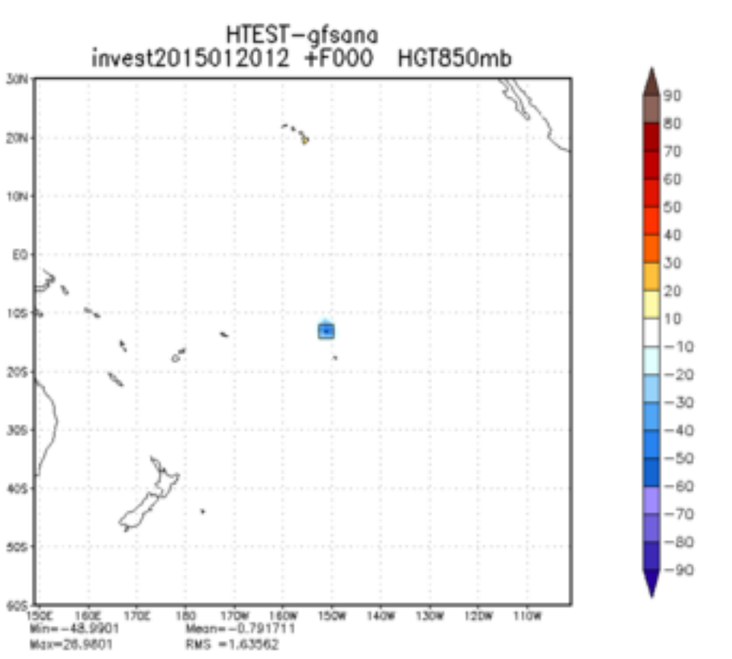
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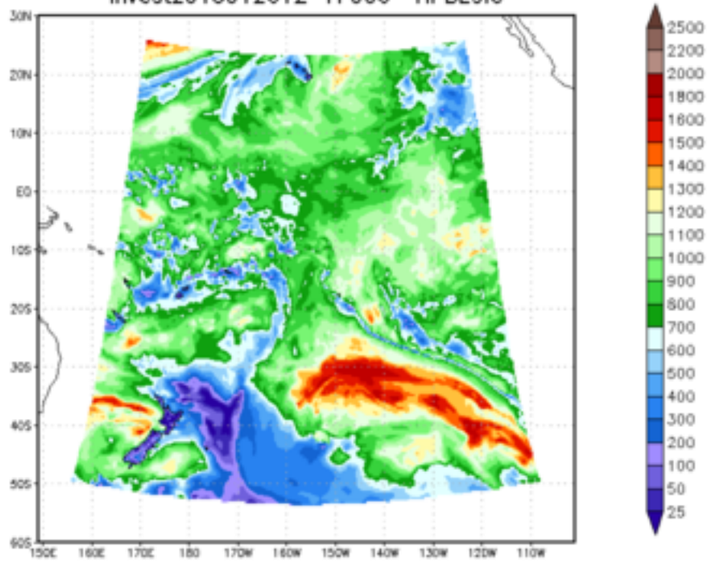
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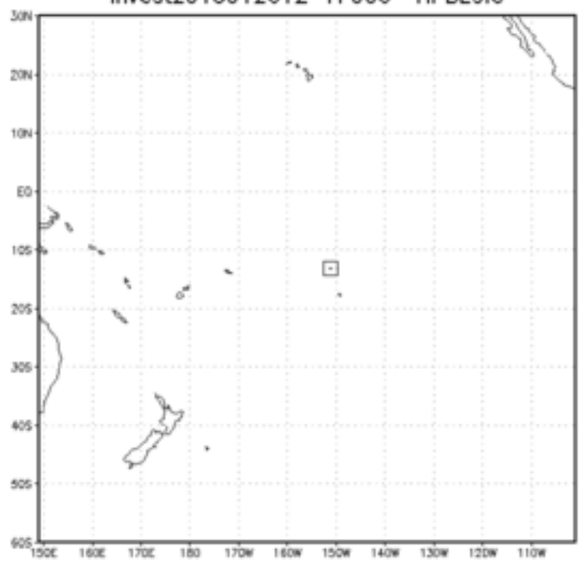
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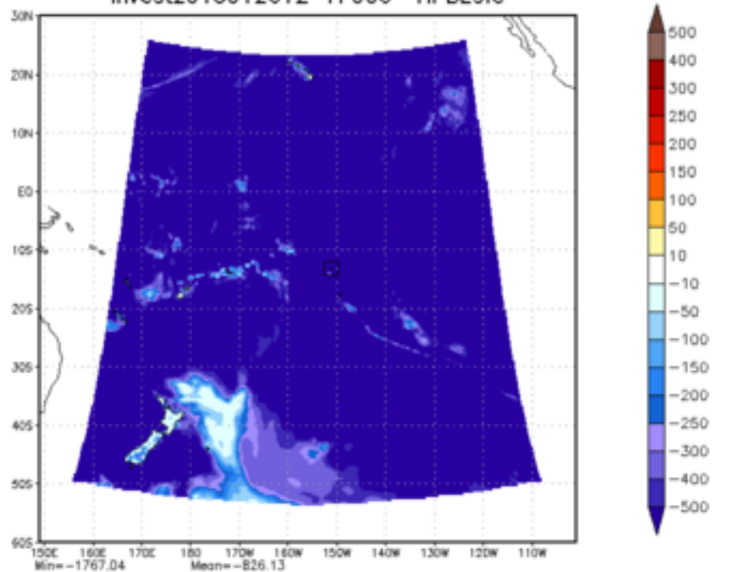
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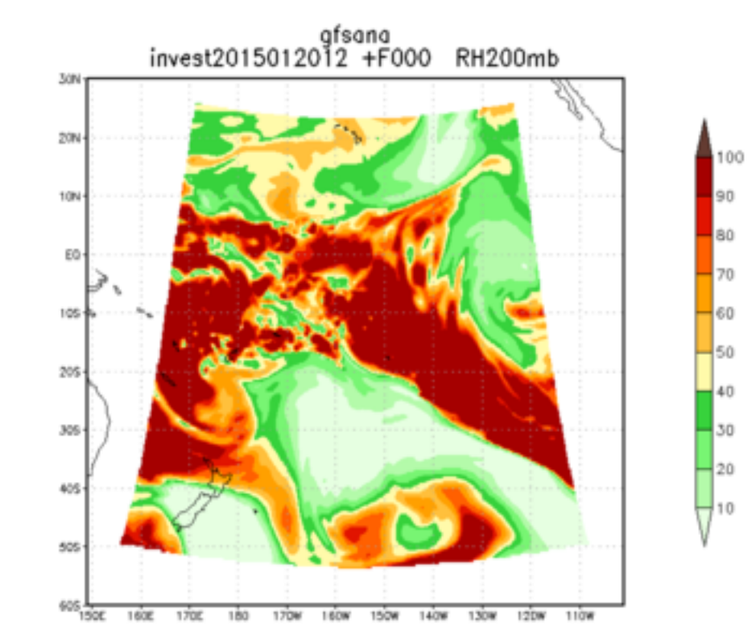
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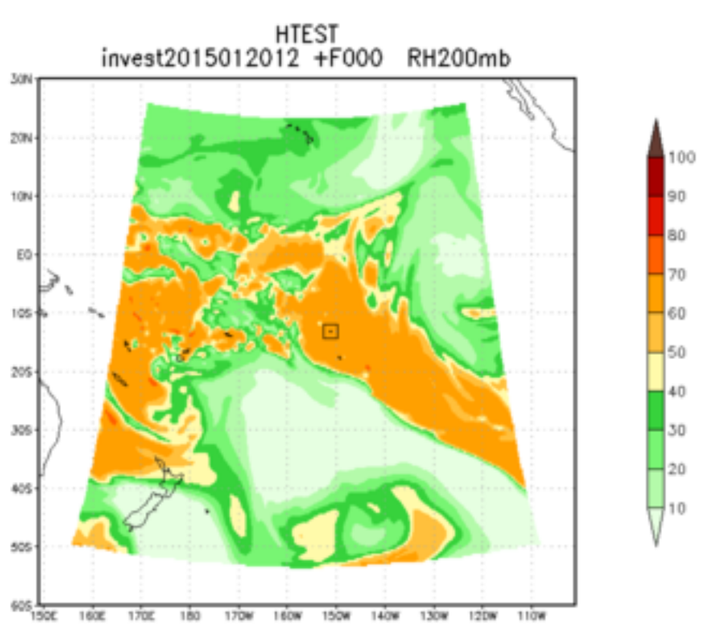
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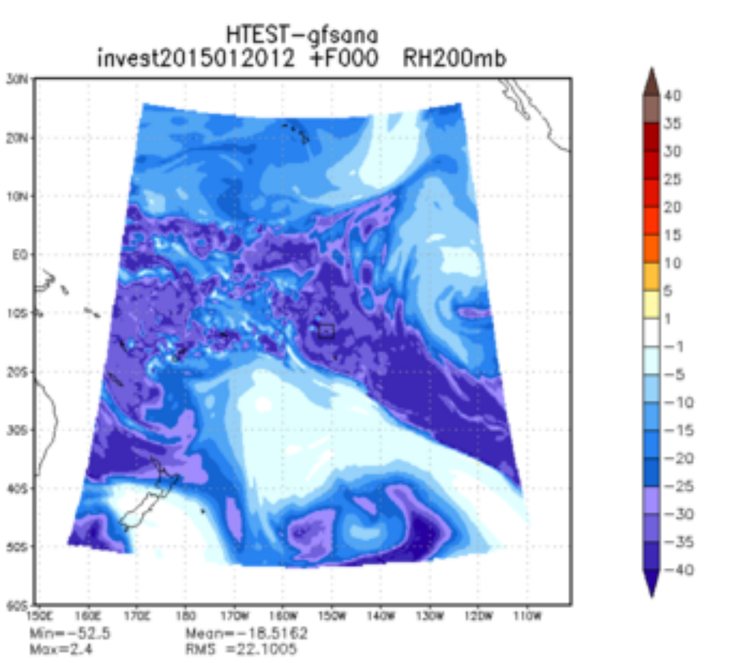
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1
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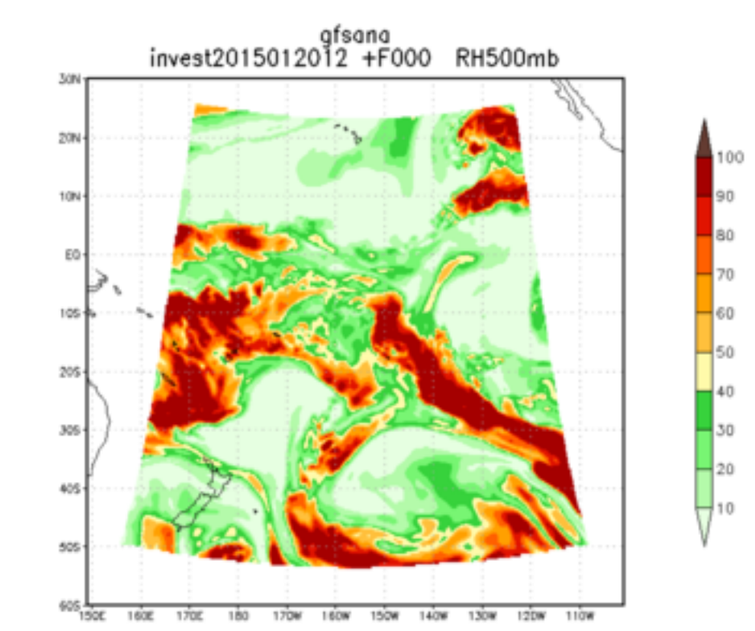
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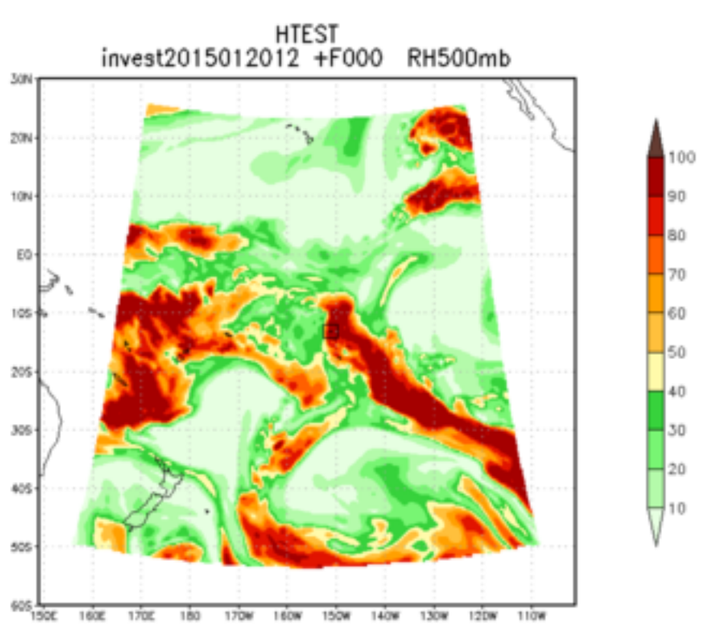
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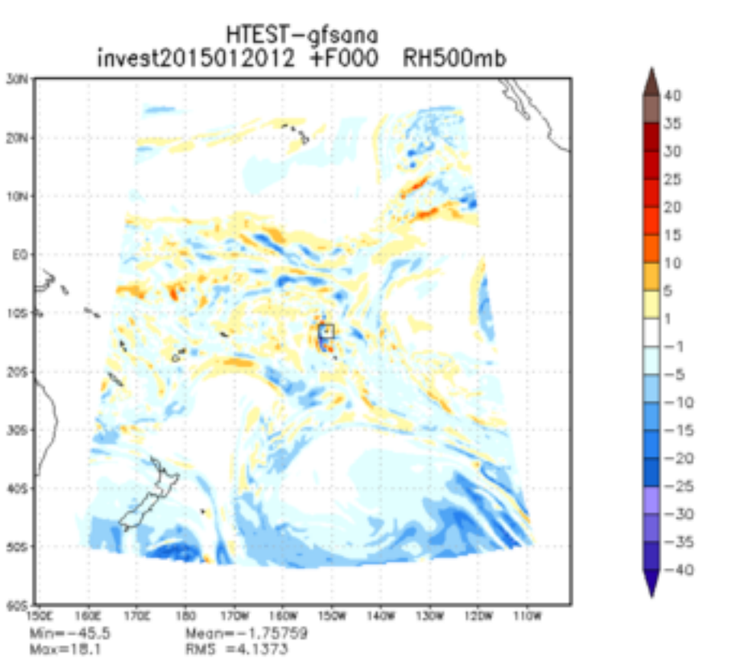
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50S
60S
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35
30
25
20
15
10
5
1
-1
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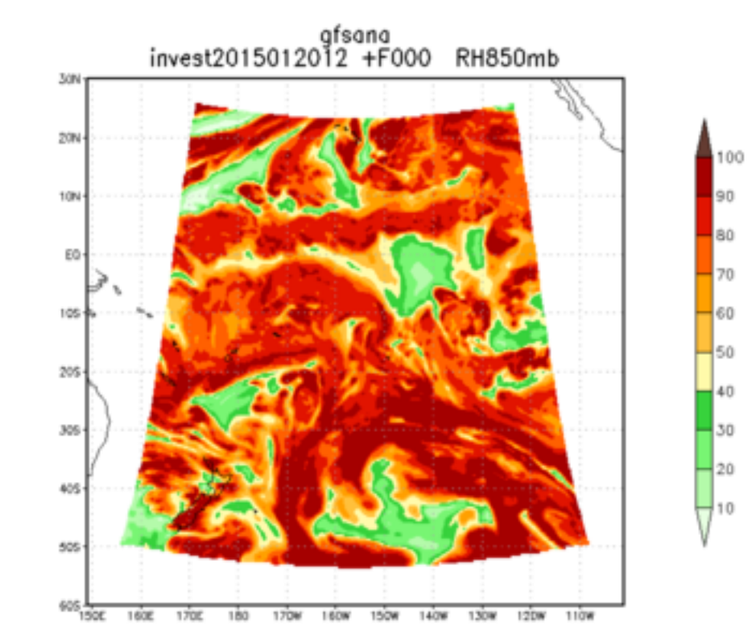
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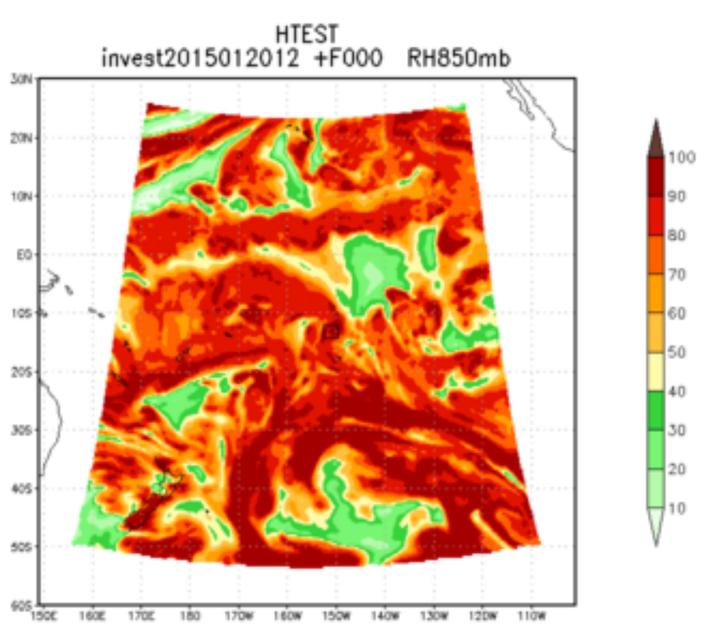
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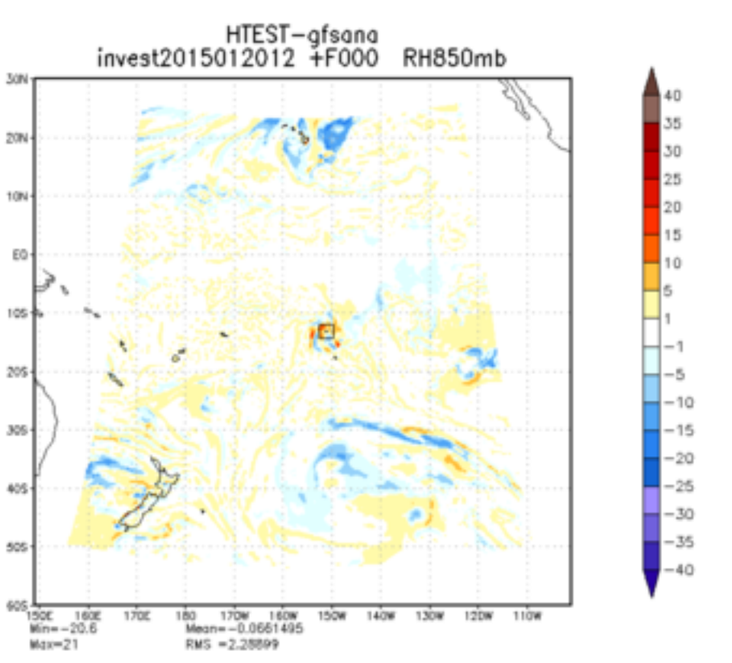
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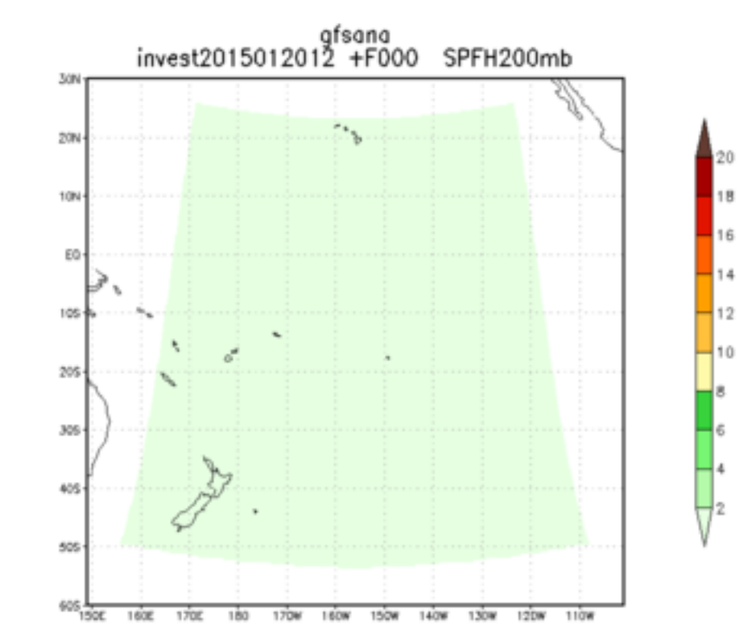
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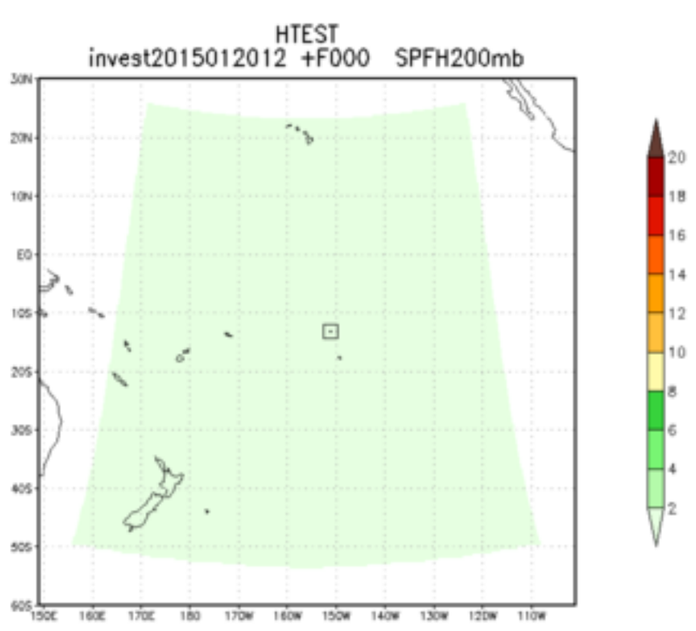
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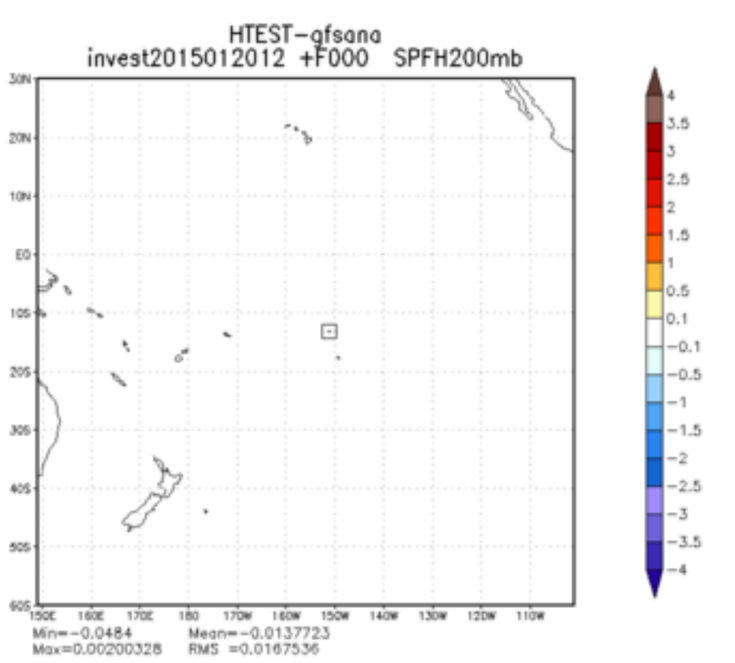
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60S
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4
3.5
3
2.5
2
1.5
1
0.5
0.1
-0.1
-0.5
-1
-1.5
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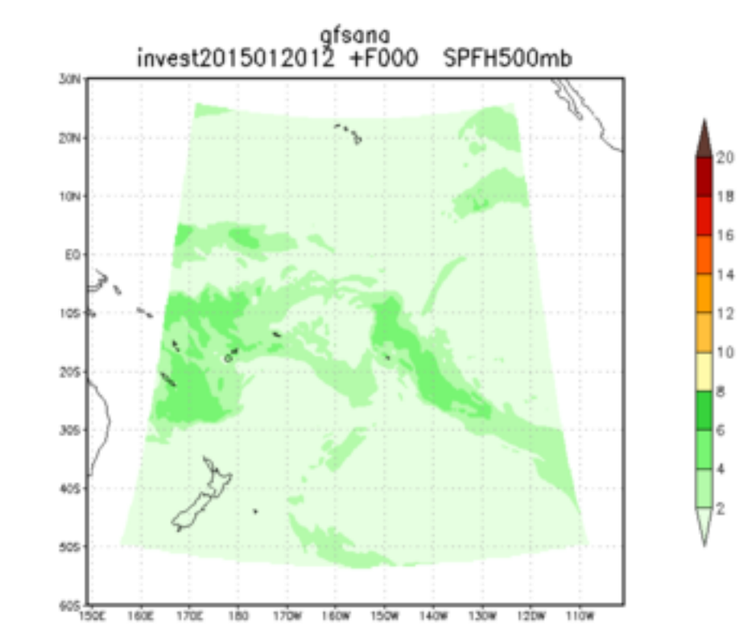
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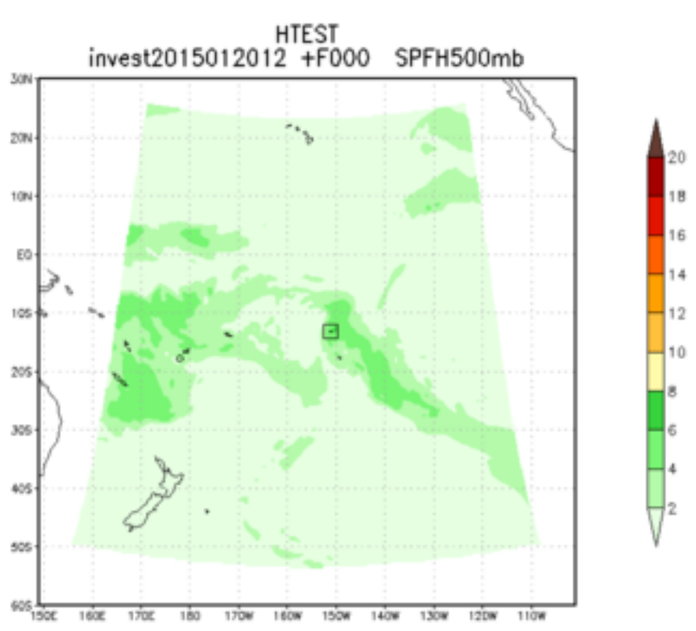
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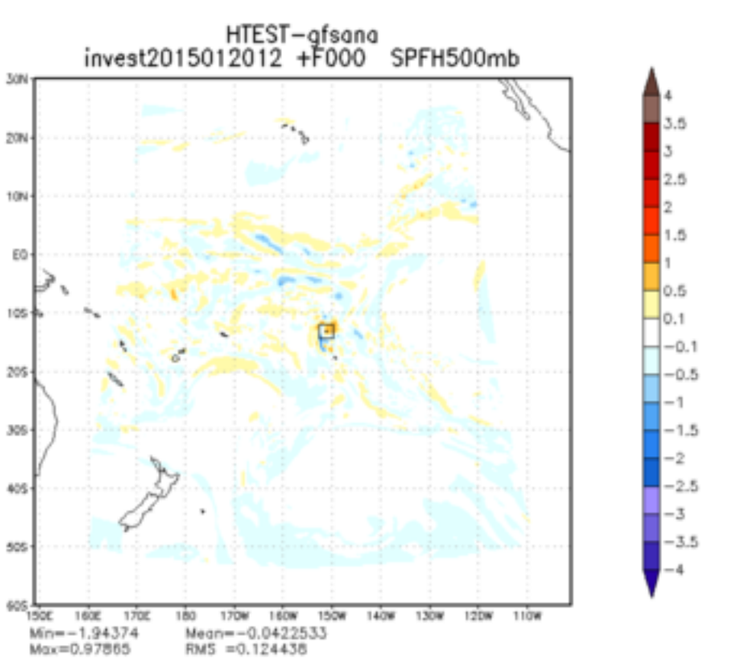
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Max=0.97865 RMS =0.124436
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3.5
3
2.5
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1.5
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-0.1
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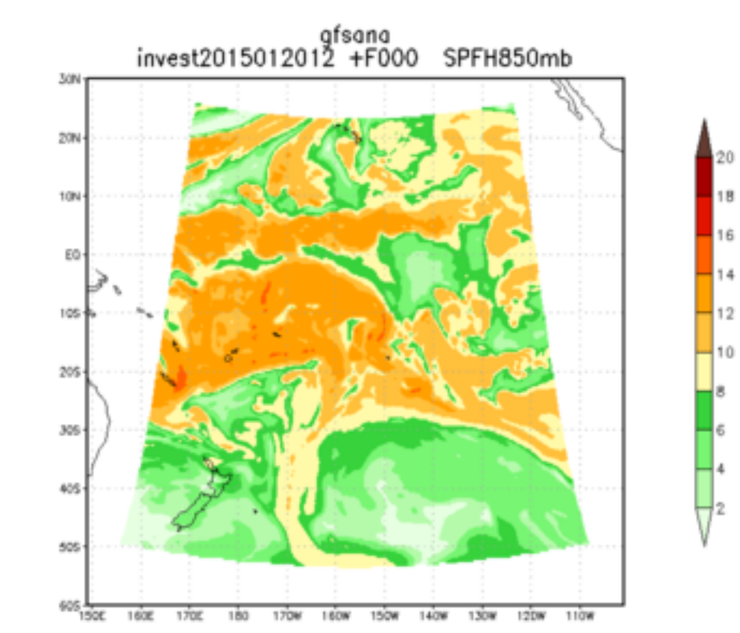
-4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4
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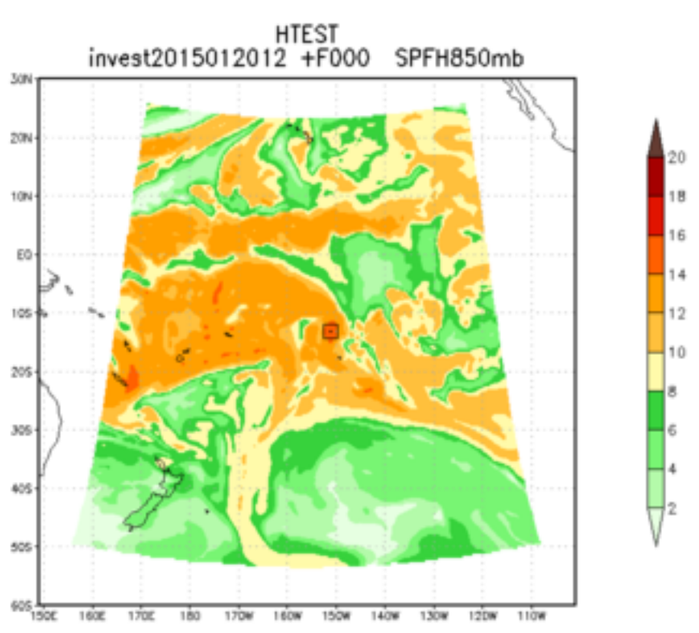
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4
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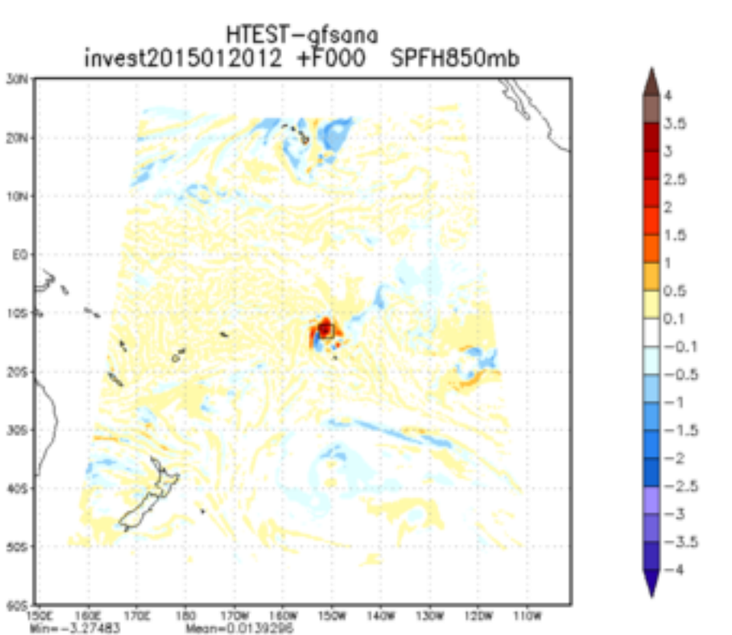
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EQ
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50S
60S
150E 160E 170E 180 170W 160W 150W 140W 130W 120W 110W
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Max=3.54163 RMS =0.198492
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3.5
3
2.5
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1.5
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-3.5
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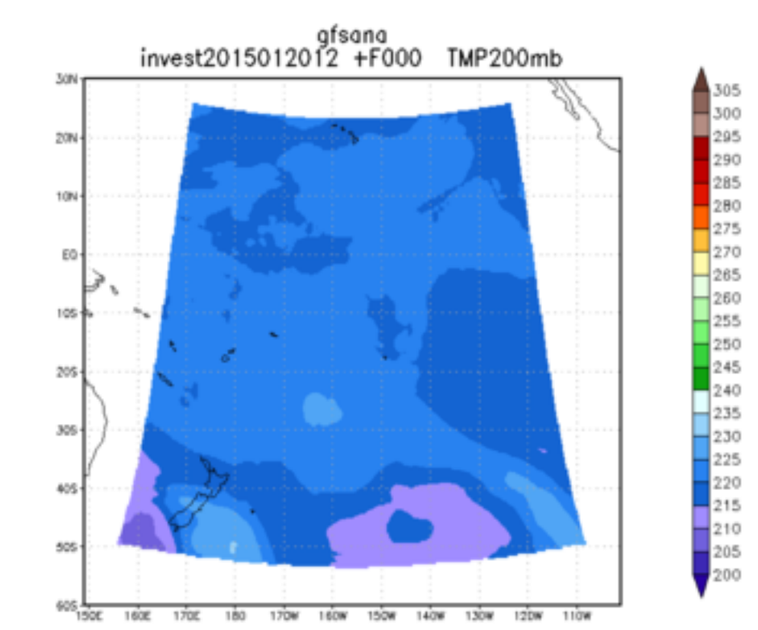
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EQ
10S
20S
30S
40S
50S
60S
150E 160E 170E 180 170W 160W 150W 140W 130W 120W 110W
305
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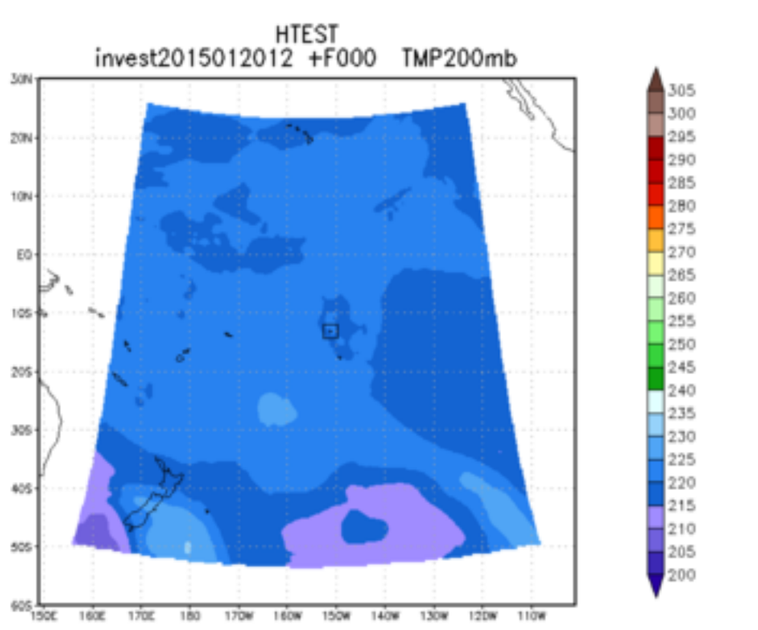
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invest2015012012 +F000 TMP200mb
30N
20N
10N
EQ
10S
20S
30S
40S
50S
60S
150E 160E 170E 180 170W 160W 150W 140W 130W 120W 110W
305
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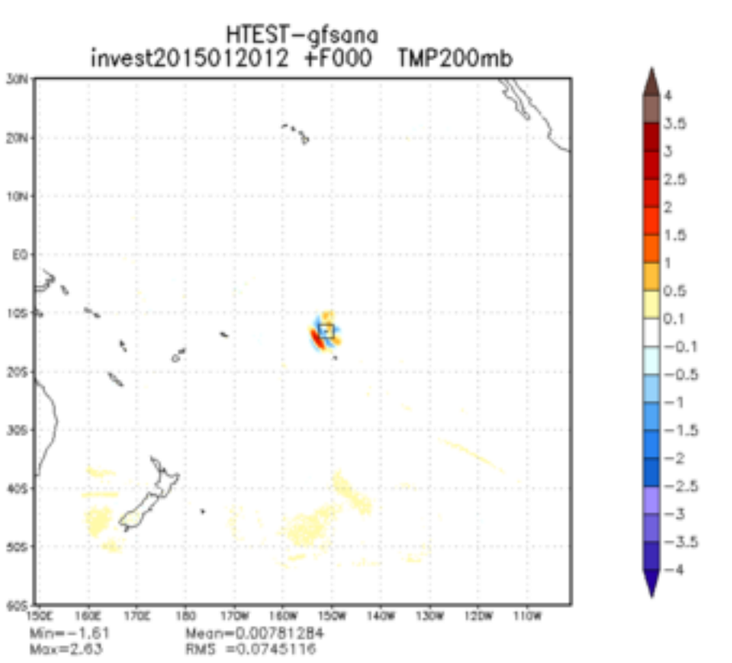
HTEST-gfsana
invest2015012012 +F000 TMP200mb
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20N
10N
EQ
10S
20S
30S
40S
50S
60S
150E 160E 170E 180 170W 160W 150W 140W 130W 120W 110W
4
3.5
3
2.5
2
1.5
1
0.5
0.1
-0.1
-0.5
-1
-1.5
-2
-2.5
-3
-3.5
-4
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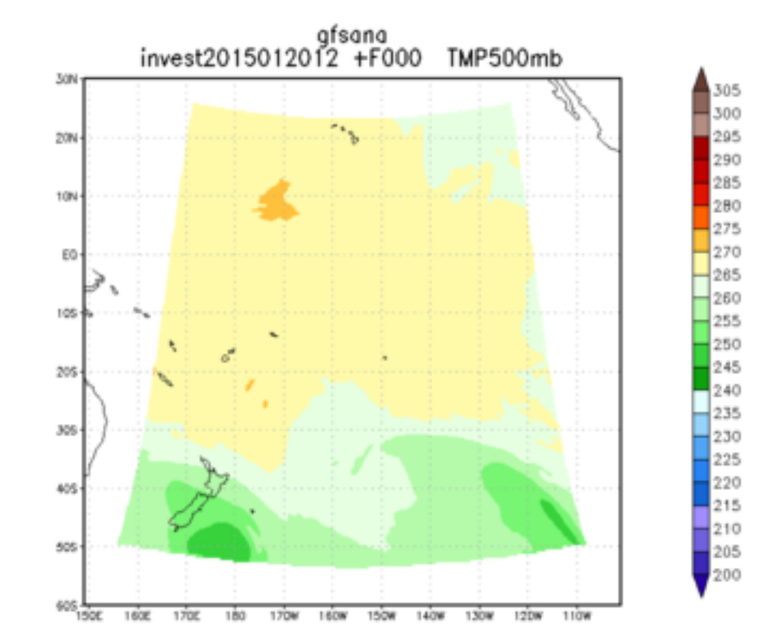
Max=2.63
Mean=0.00781284
RMS =0.0745116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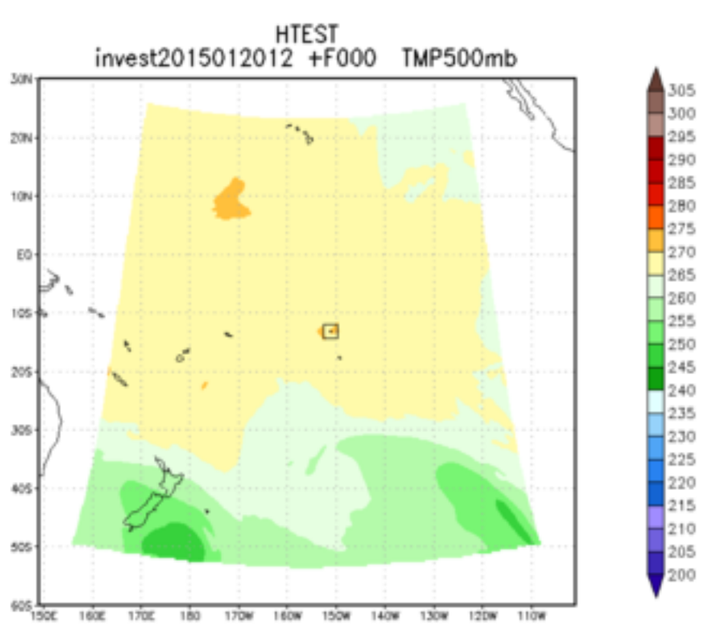
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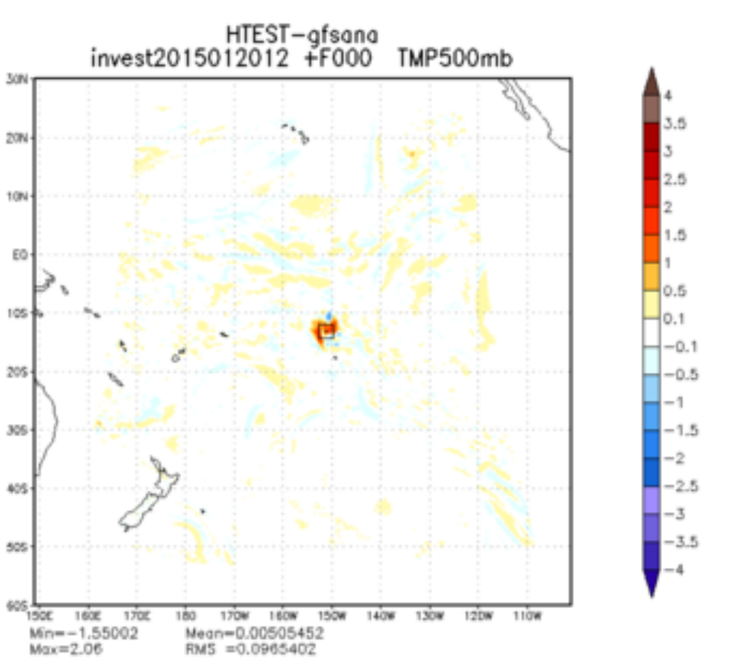
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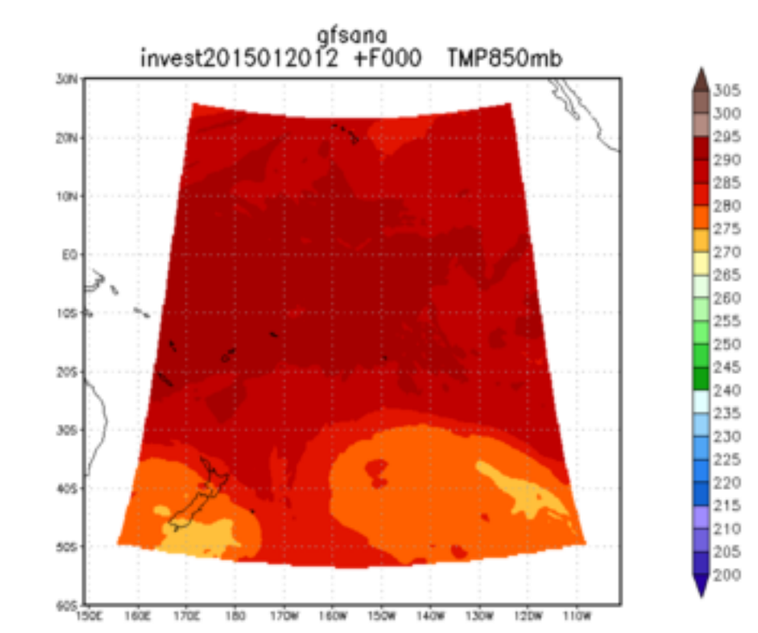
Max=2.06 RMS =0.0965402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invest2015012012 +F000 TMP850mb
30N
20N
10N
EQ
10S
20S
30S
40S
50S
60S
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305
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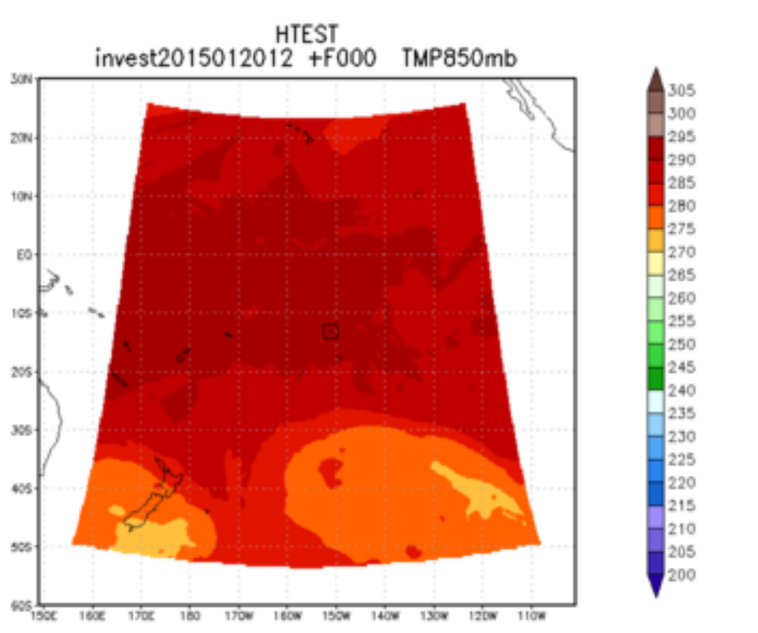
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invest2015012012 +F000 TMP850mb
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10N
EQ
10S
20S
30S
40S
50S
60S
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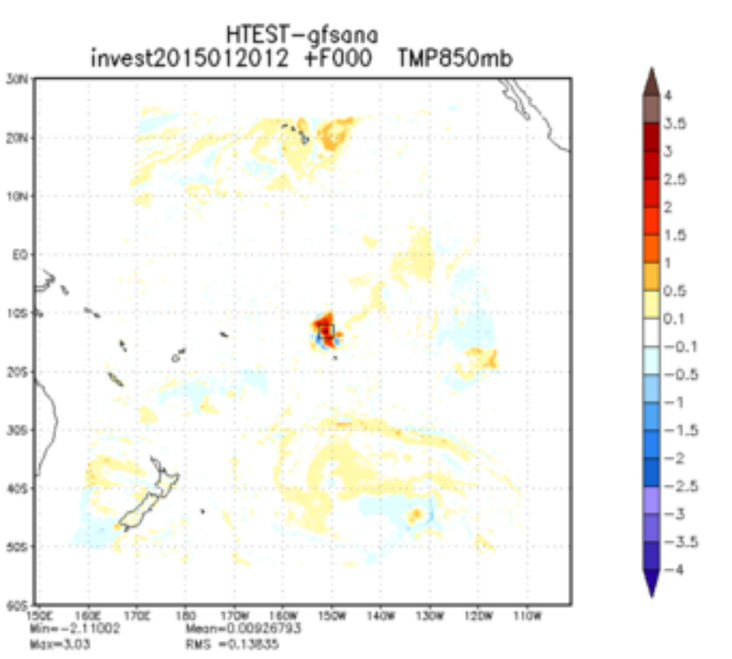
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20N
10N
EQ
10S
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30S
40S
50S
60S
150E 160E 170E 180 170W 160W 150W 140W 130W 120W 110W
Min=-2.11002
Max=3.03
Mean=0.00926793
RMS =0.13835
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3.5
3
2.5
2
1.5
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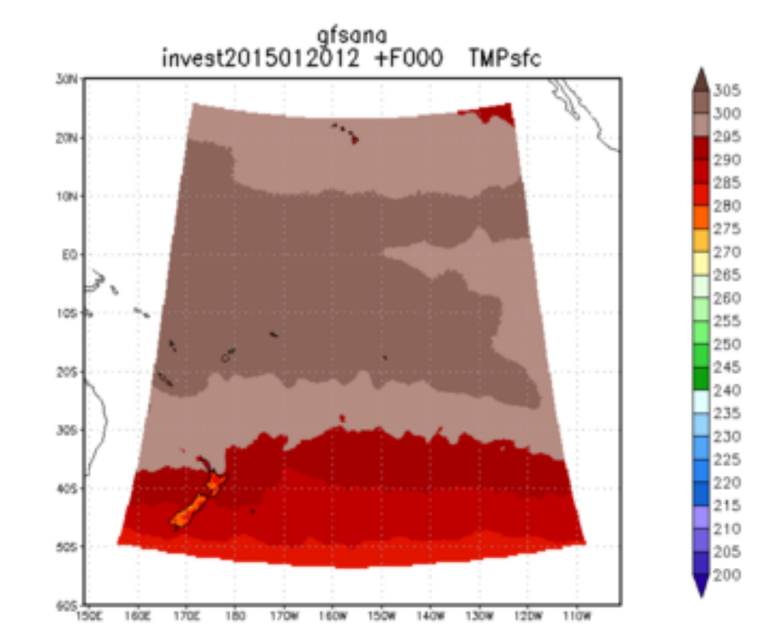
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invest2015012012 +F000 TMPsfc
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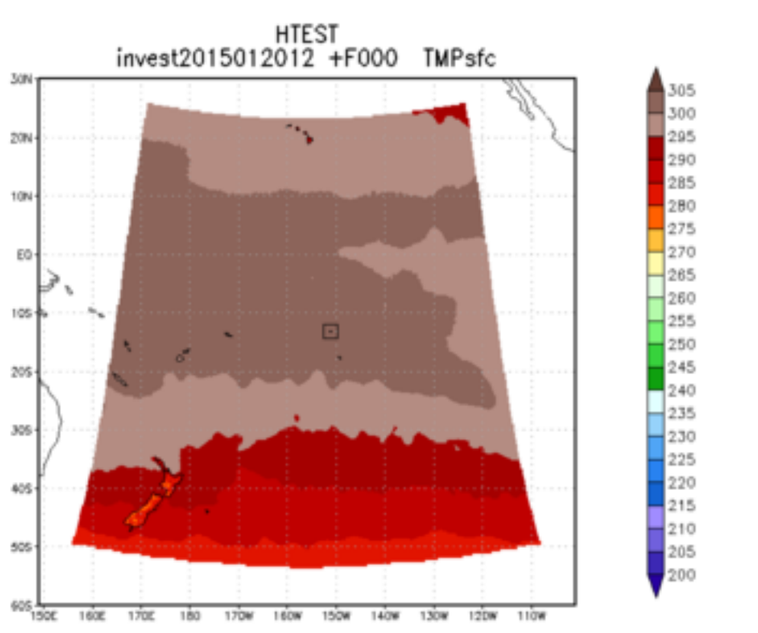
HTEST
invest2015012012 +F000 TMPsfc
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255
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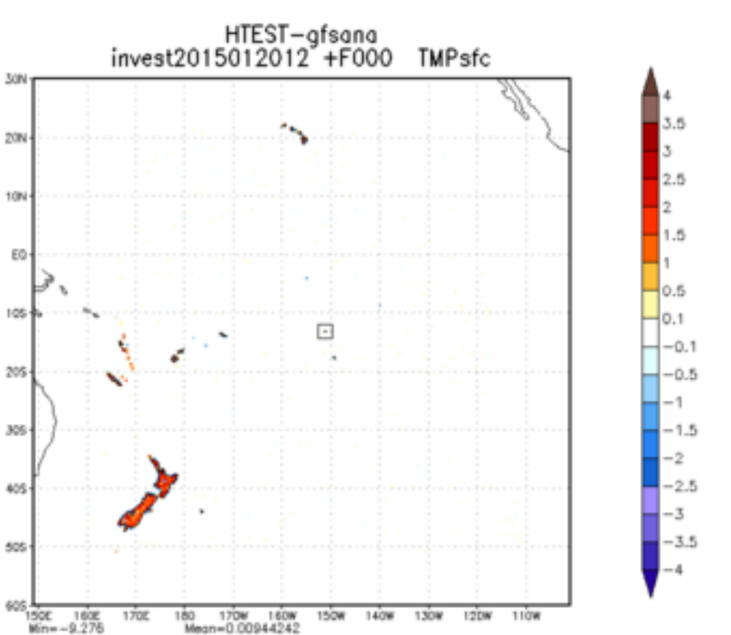
HTEST-gfsana
invest2015012012 +F000 TMPsfc
4
3.5
3
2.5
2
1.5
1
0.5
0.1
-0.1
-0.5
-1
-1.5
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-3.5
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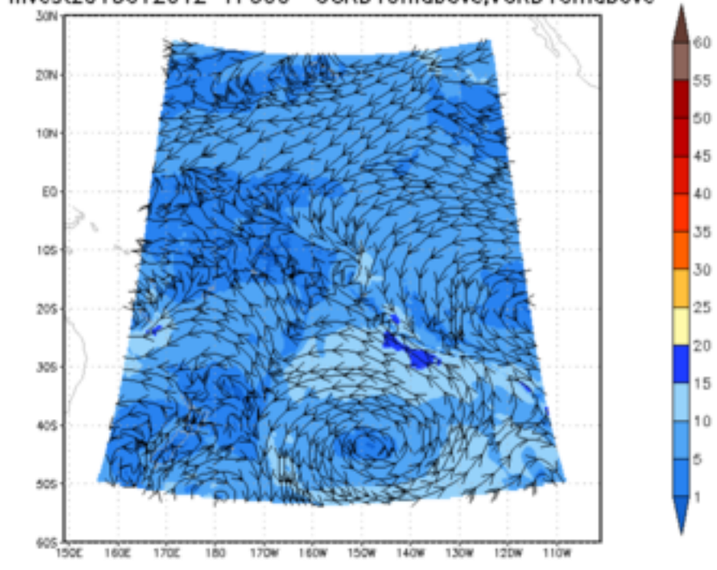
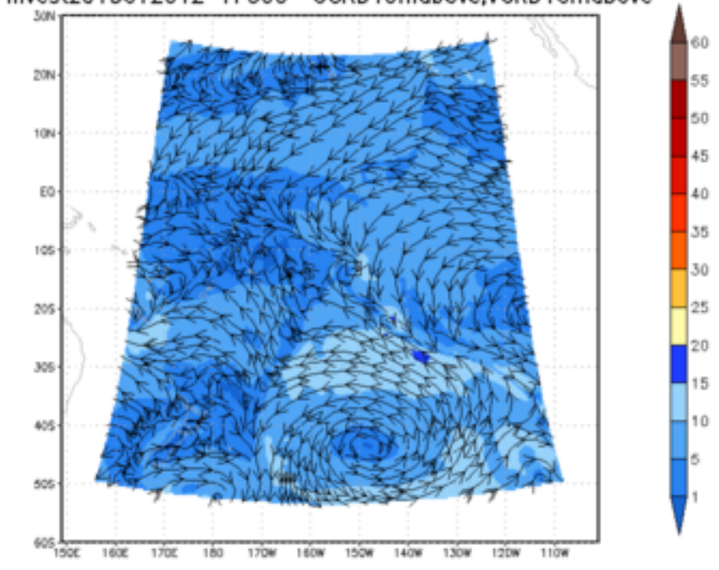
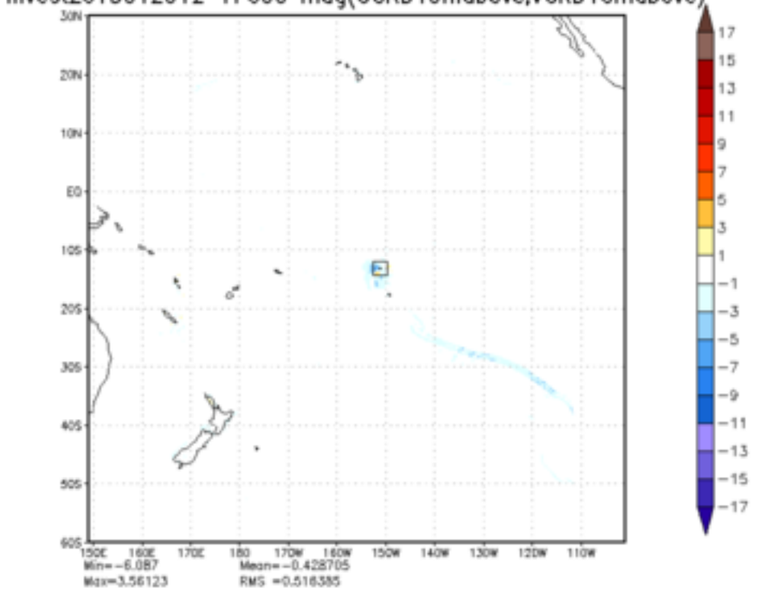
Min=-9.276
Max=10.797
Mean=0.00944242
RMS =0.217665


gfsana
invest2015012012 +F000 UGRD10mabove,VGRD10mabove
60
55
50
45
40
35
30
25
20
15
10
5
1


HTEST
invest2015012012 +F000 UGRD10mabove,VGRD10mabove
60
55
50
45
40
35
30
25
20
15
10
5
1


HTEST−gfsana
invest2015012012 +F000 mag(UGRD10mabove,VGRD10mabove)
17
15
13
11
9
7
5
3
1
−1
−3
−5
−7
−9
−11
−13
−15
−17
Min=−6.087
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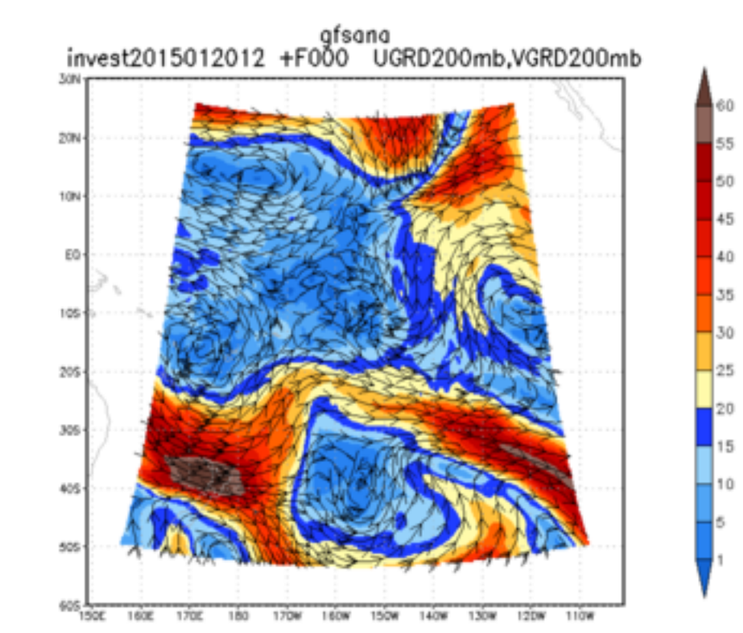
Mean=−0.428705
RMS =0.516385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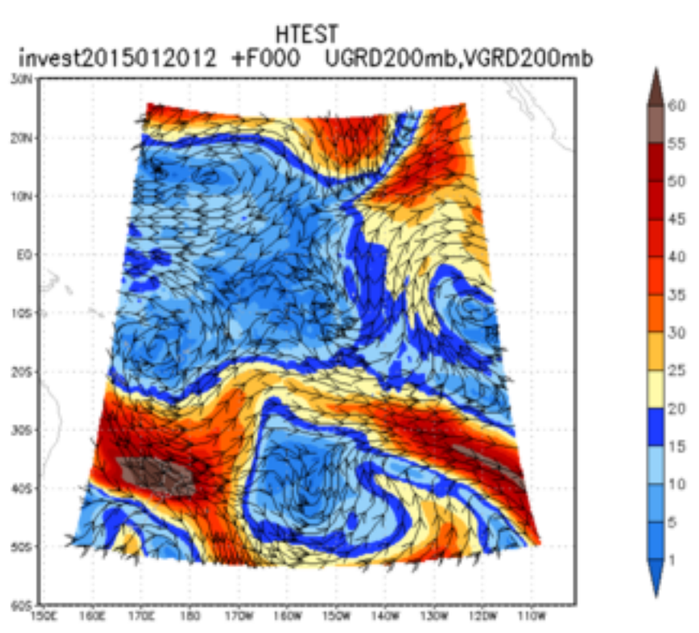
invest2015012012 +F000 UGRD200mb,VGRD200mb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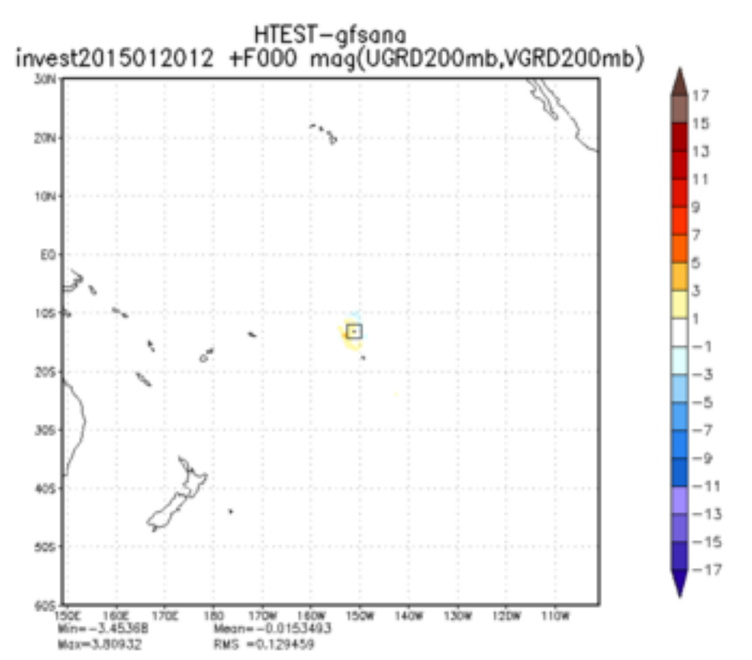
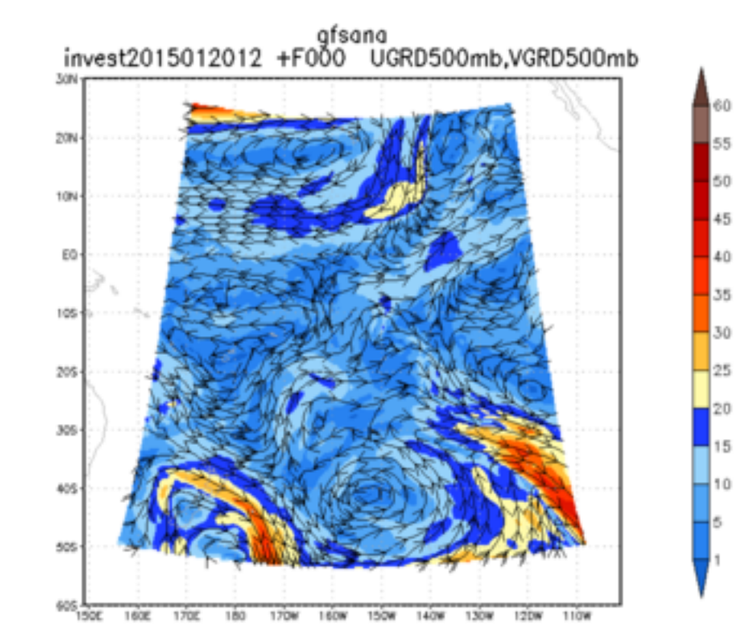
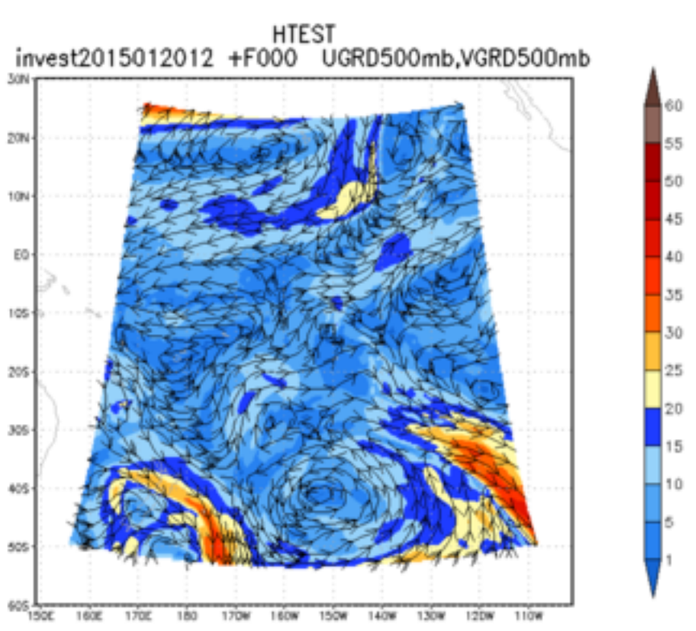
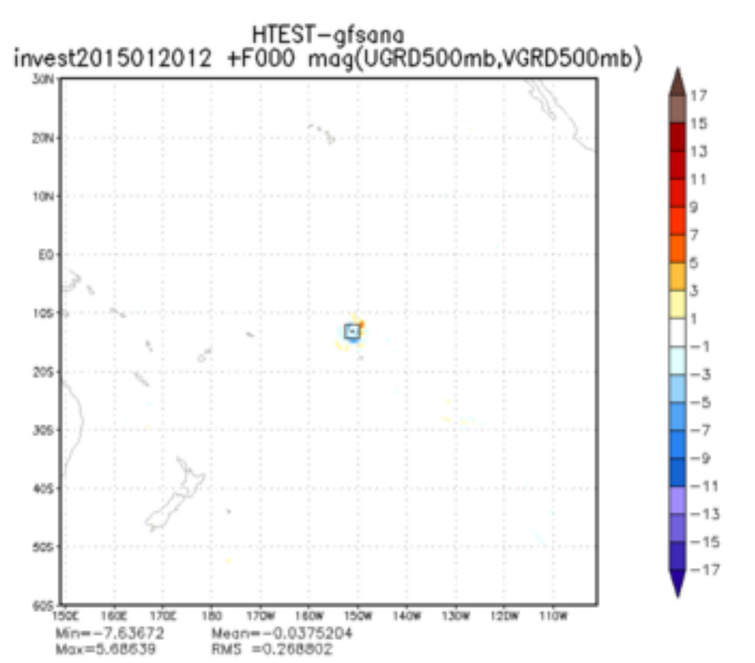
invest2015012012 +F000 UGRD200mb,VGRD200mb


HTEST-gfsana
invest2015012012 +F000 mag(UGRD200mb,VGRD200mb)
Min=-3.45368
Max=3.80932
Mean=-0.0153493
RMS =0.129459


gfsana
invest2015012012 +F000 UGRD500mb,VGRD500mb


HTEST
invest2015012012 +F000 UGRD500mb,VGRD500mb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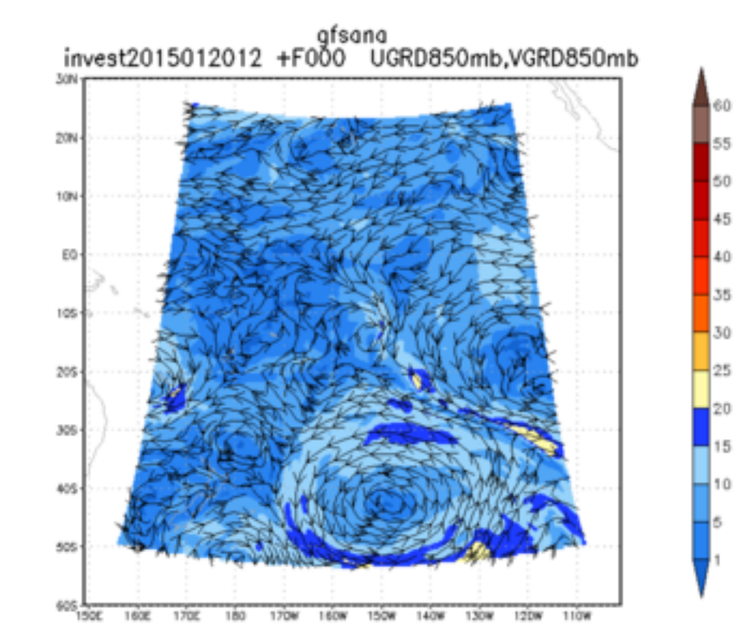
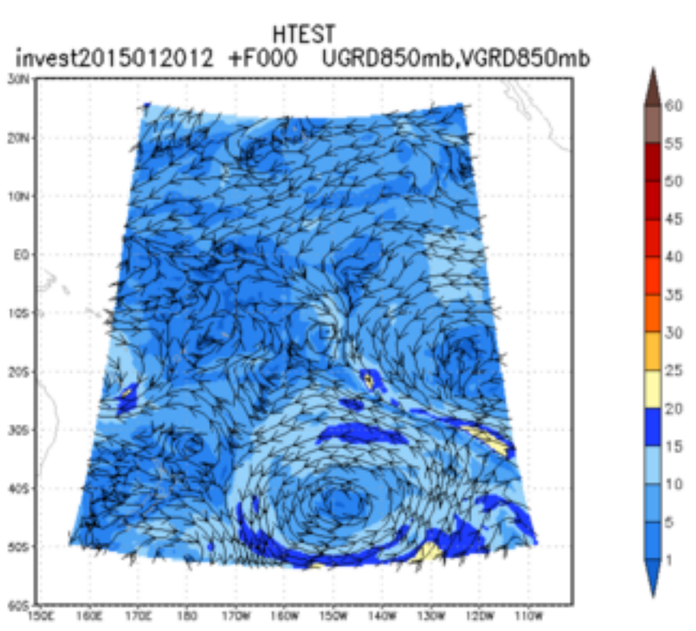
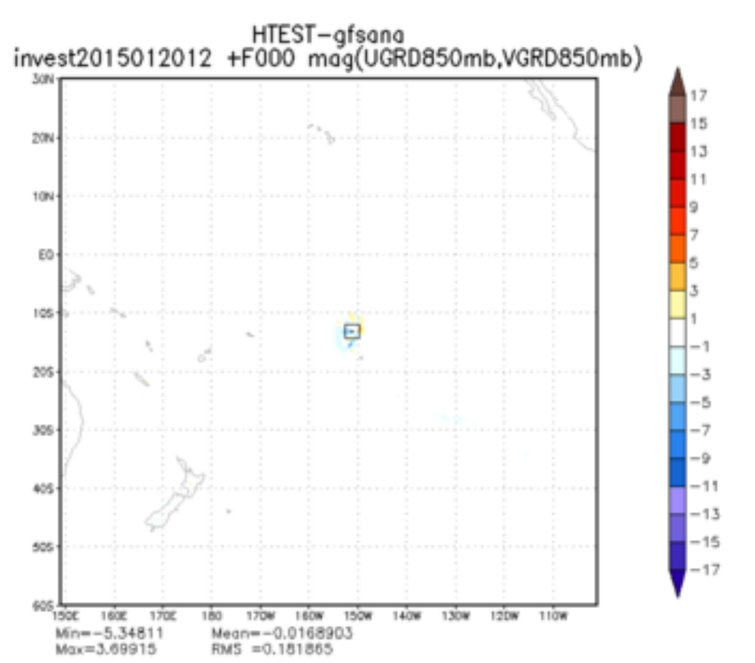
Min=-7.63672 Mean=-0.0375204
Max=5.68639 RMS =0.268802


gfsana
invest2015012012 +F000 UGRD850mb,VGRD850mb


HTEST
invest2015012012 +F000 UGRD850mb,VGRD850mb


HTEST−gfsana
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Mean=−0.0168903
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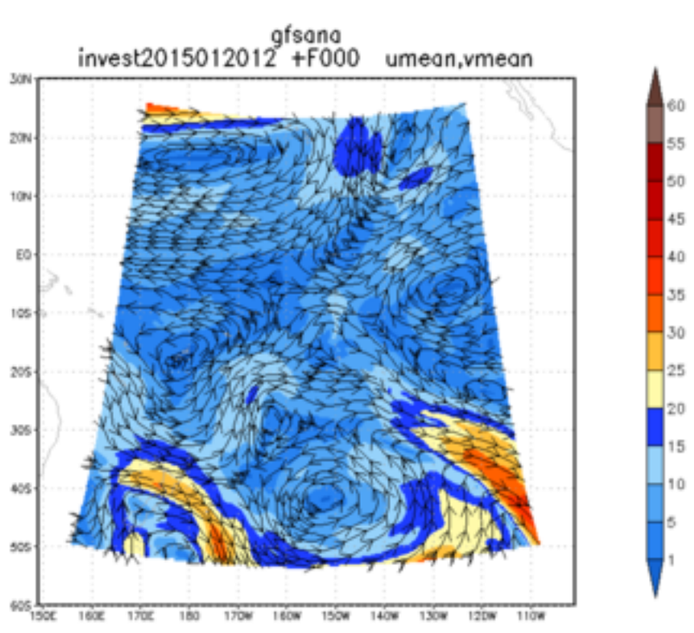
gfsana
invest2015012012 +F000 umean,vmean
30N
20N
10N
EQ
10S
20S
30S
40S
50S
60S
150E 160E 170E 180 170W 160W 150W 140W 130W 120W 110W
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55
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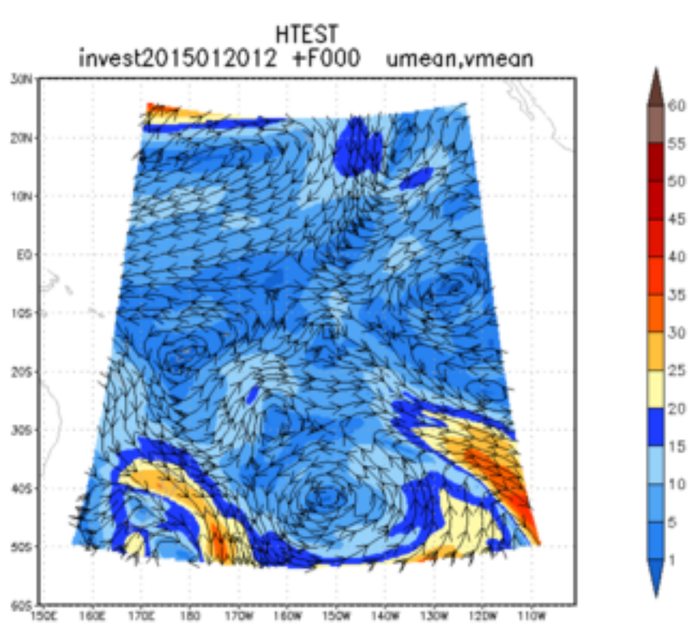
45
40
35
30
25
20
15
10
5
1


HTEST
invest2015012012 +F000 umean,vmean
30N
20N
10N
EQ
10S
20S
30S
40S
50S
60S
150E 160E 170E 180 170W 160W 150W 140W 130W 120W 110W
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5
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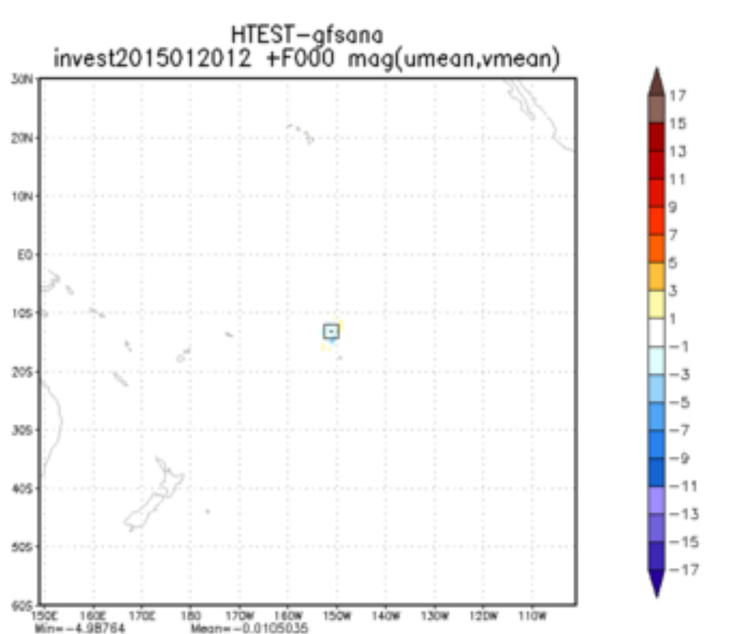
HTEST-gfsana
invest2015012012 +F000 mag(umean,vmean)
30N
20N
10N
EQ
10S
20S
30S
40S
50S
60S
150E 160E 170E 180 170W 160W 150W 140W 130W 120W 110W
Min=-4.98764
Mean=-0.0105035
Max=2.82238
RMS =0.119272
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7
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-1
-3
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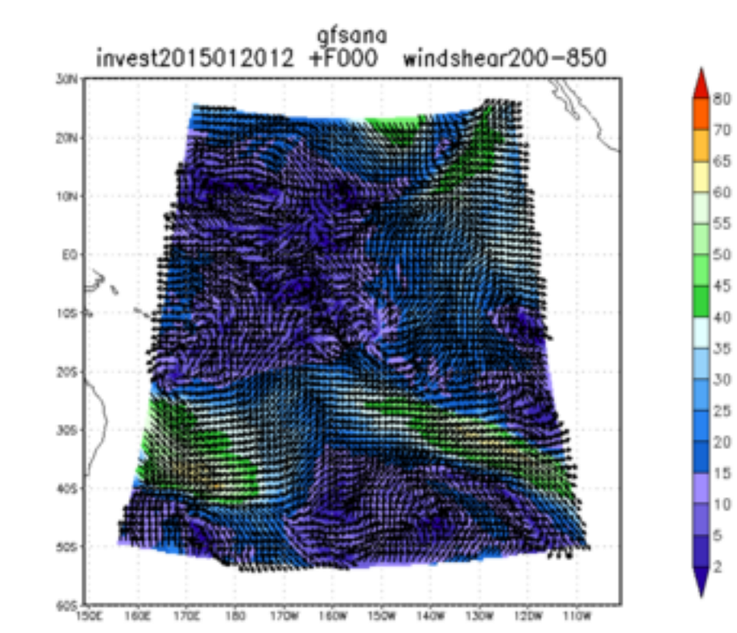
-7
-9
-11
-13
-15
-17


gfsana
invest2015012012 +F000 windshear200-850
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20N
10N
EQ
10S
20S
30S
40S
50S
60S
150E 160E 170E 180 170W 160W 150W 140W 130W 120W 110W
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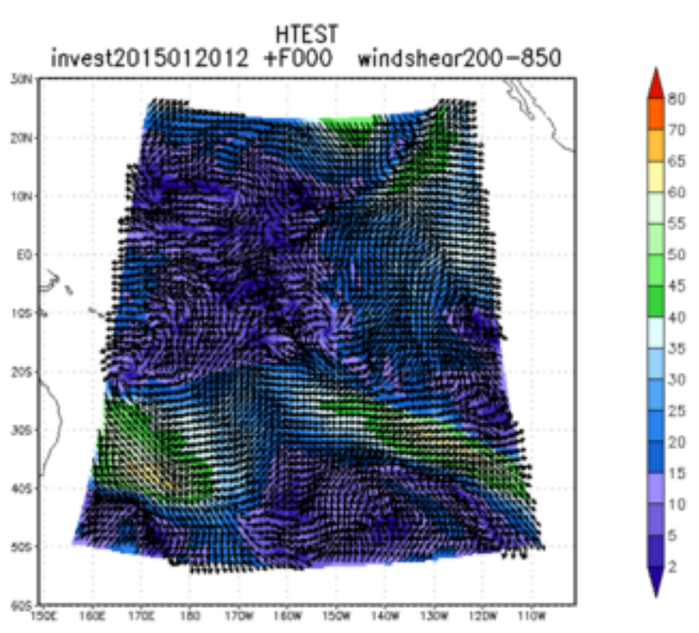
5
2


HTEST
invest2015012012 +F000 windshear200-850
30N
20N
10N
EQ
10S
20S
30S
40S
50S
60S
150E 160E 170E 180 170W 160W 150W 140W 130W 120W 110W
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15
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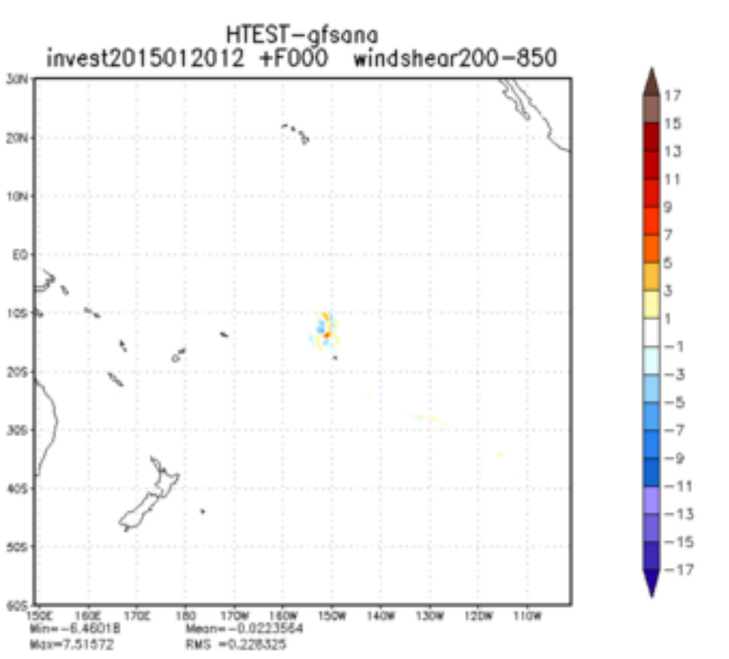
5
2


HTEST-gfsana
invest2015012012 +F000 windshear200-850
30N
20N
10N
EQ
10S
20S
30S
40S
50S
60S
150E 160E 170E 180 170W 160W 150W 140W 130W 120W 110W
Min=-6.46018
Max=7.51572
Mean=-0.0223564
RMS =0.228325
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11
9
7
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3
1
-1
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-5
-7
-9
-11
-13
-15
-17