

Validation of

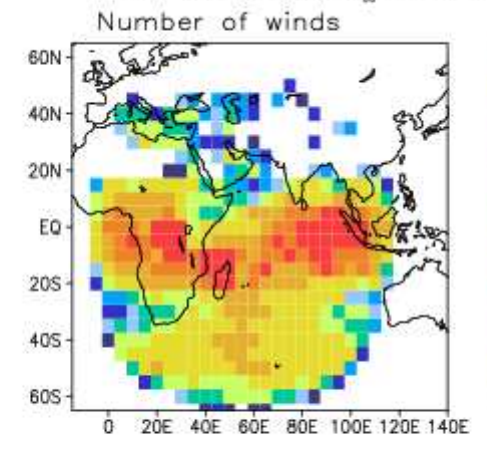
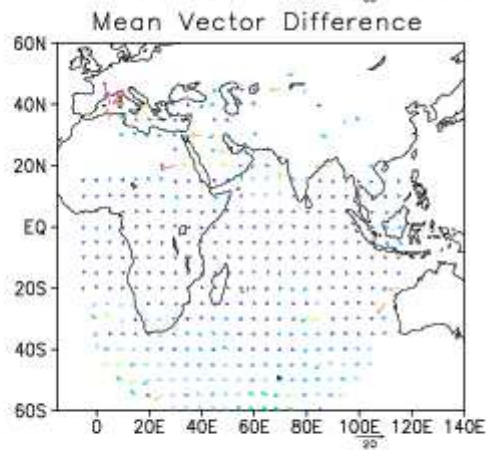
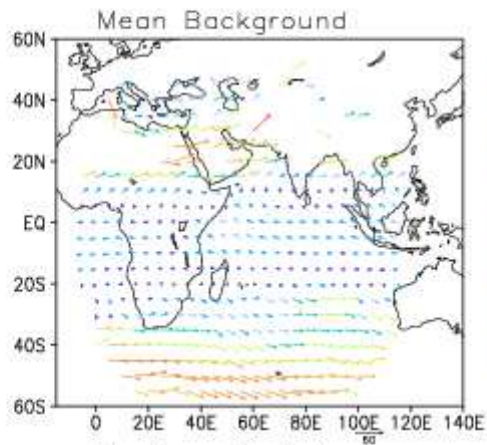
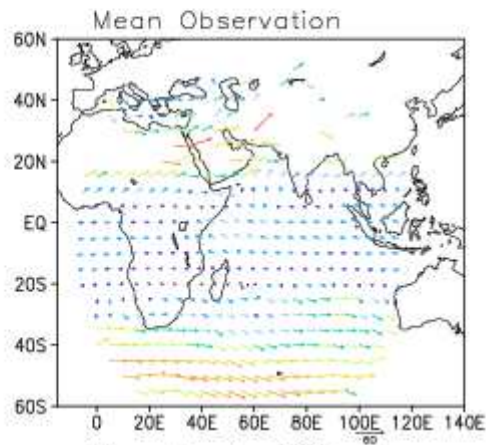
METEOSAT-7

Atmospheric Motion Vectors

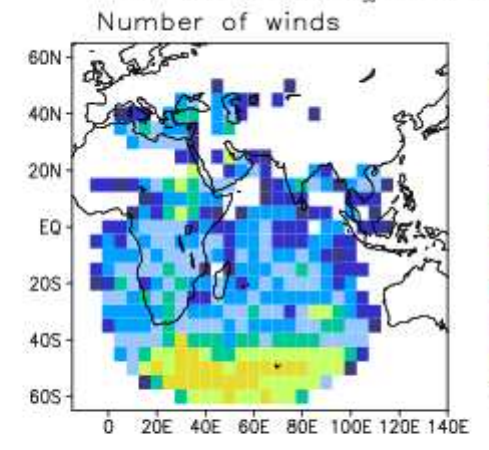
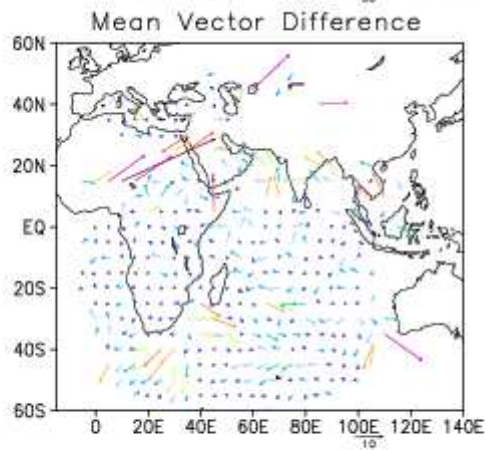
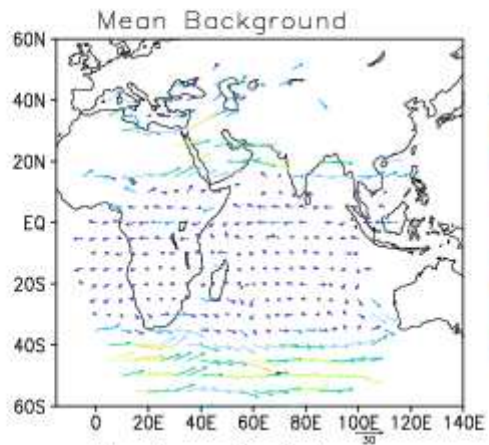
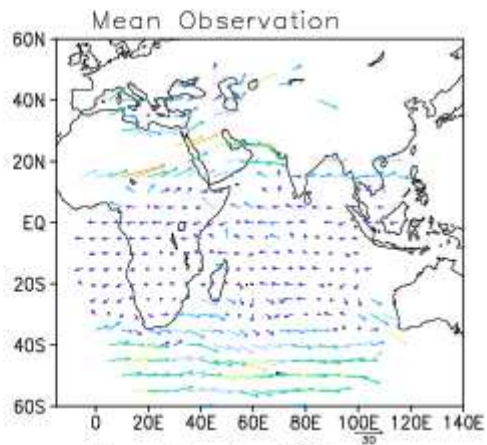
March 2017

Validation Against
NCMRWF NGFS First Guess

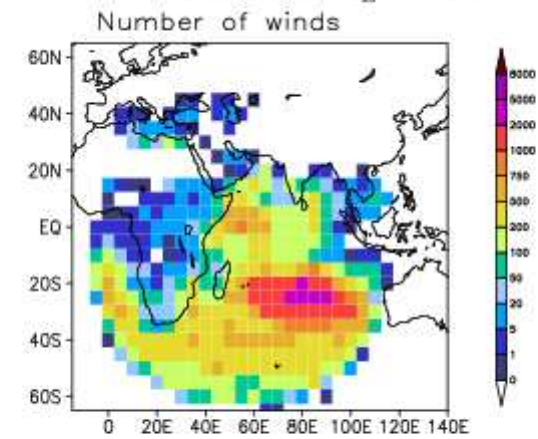
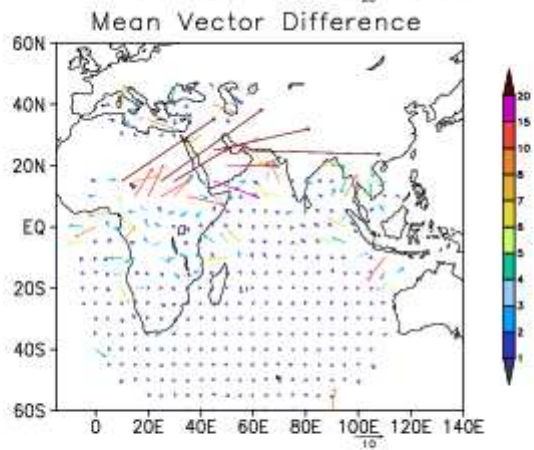
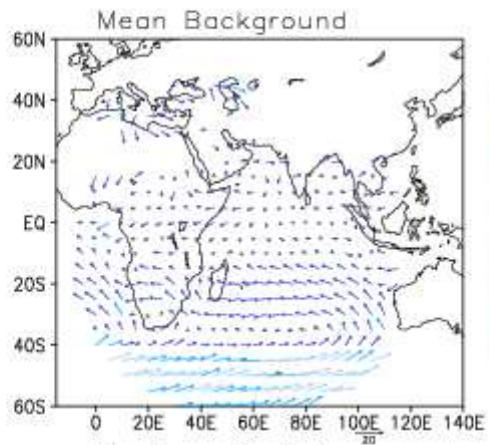
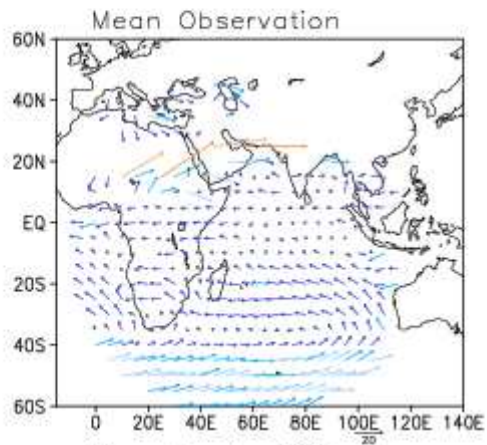
METEOSAT-7 IR, High Level, Above 400 hPa, March 2017



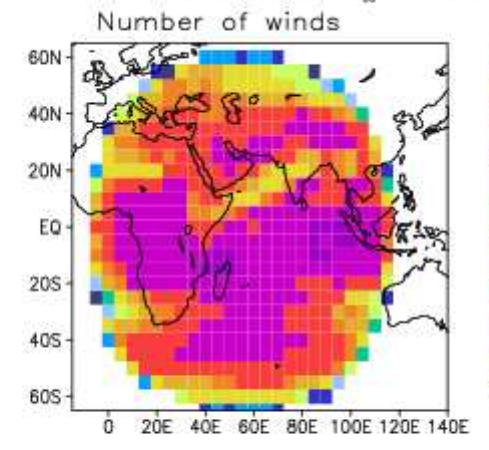
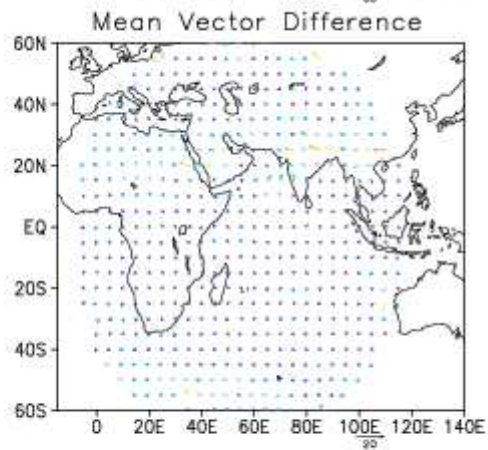
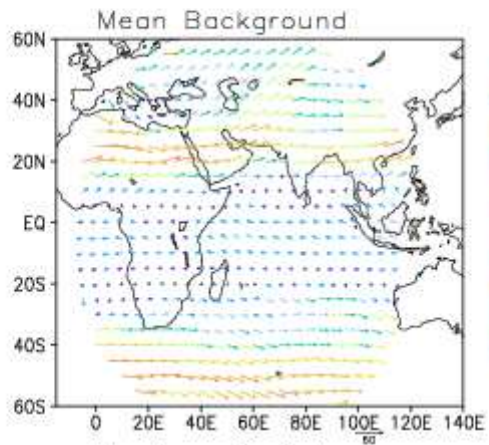
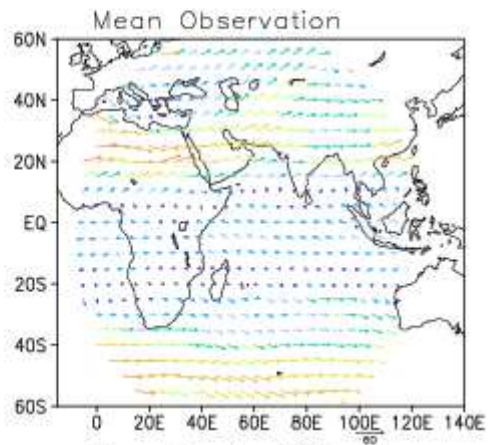
METEOSAT-7 IR, Mid Level, 700 - 401 hPa, March 2017



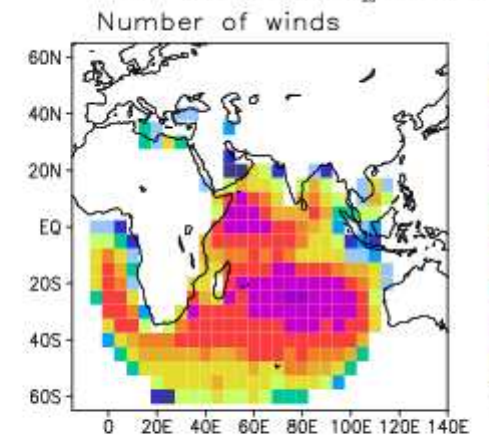
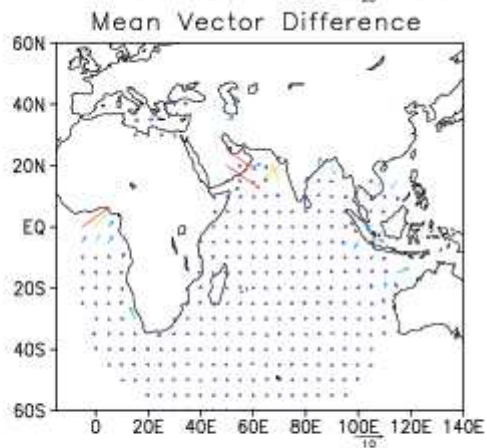
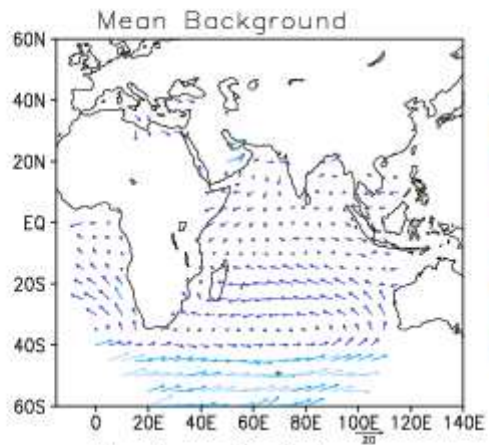
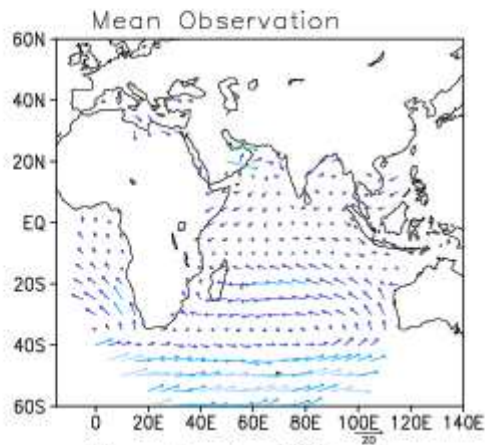
METEOSAT-7 IR, Low Level, Below 700 hPa, March 2017



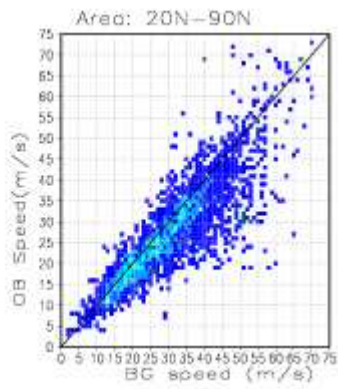
METEOSAT-7 WV, High Level, Above 400 hPa, March 2017



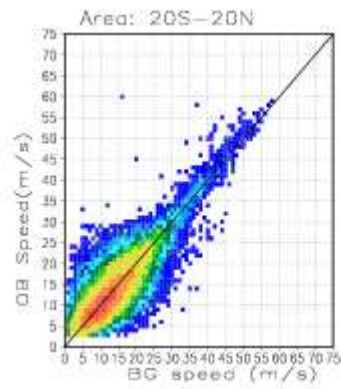
METEOSAT-7 VIS, Low Level, Below 700 hPa, March 2017



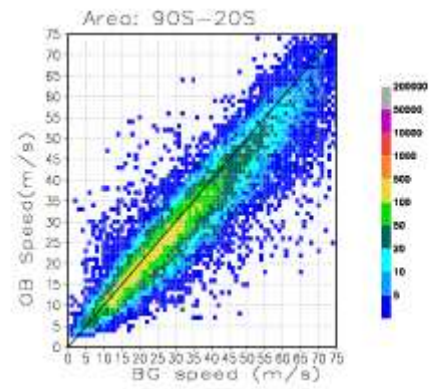
METEOSAT-7 IR, March 2017, High Level, Above 400 hPa



No. of OBS: 3573
Bias : -3.44
STD : 6.80

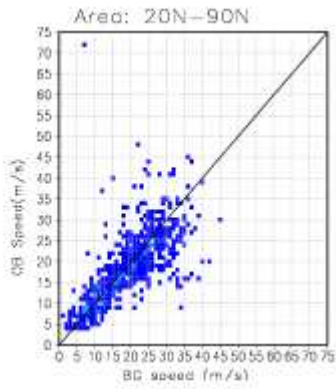


No. of OBS: 127179
Bias : -0.08
STD : 3.41

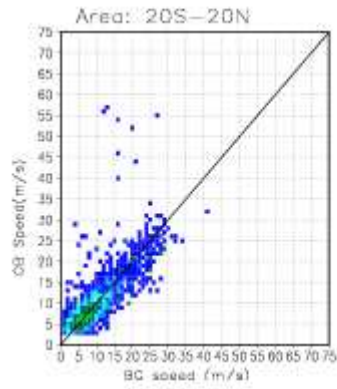


No. of OBS: 42787
Bias : -2.37
STD : 5.33

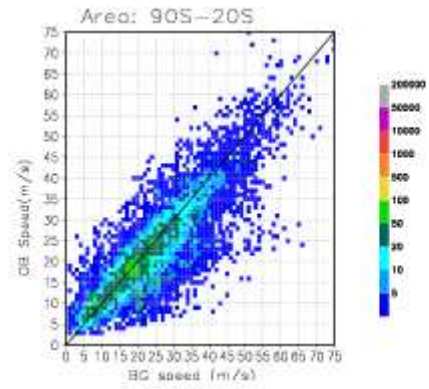
METEOSAT-7 IR, Mid Level, 700 – 401 hPa, March 2017



No. of OBS: 692
Bias : 1.11
STD : 5.66

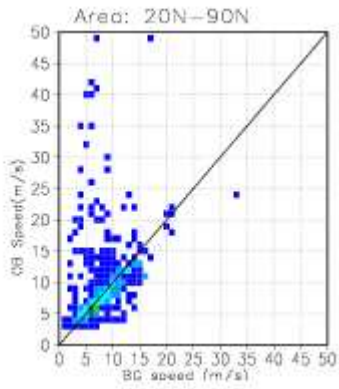


No. of OBS: 33117
Bias : 0.41
STD : 2.79

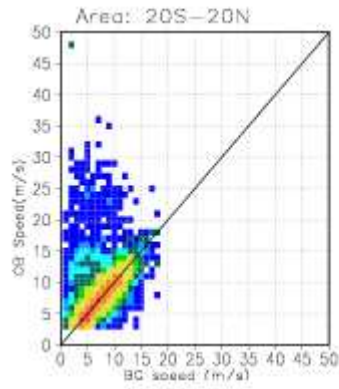


No. of OBS: 68649
Bias : 0.13
STD : 1.92

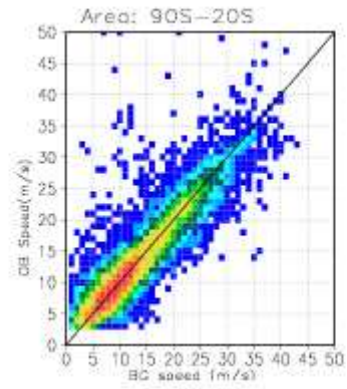
METEOSAT-7 IR, March 2017, Low Level, Below 700 hPa



No. of OBS: 692
Bias : 1.11
STD : 5.66

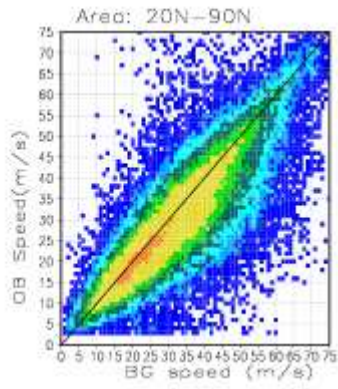


No. of OBS: 33117
Bias : 0.41
STD : 2.79

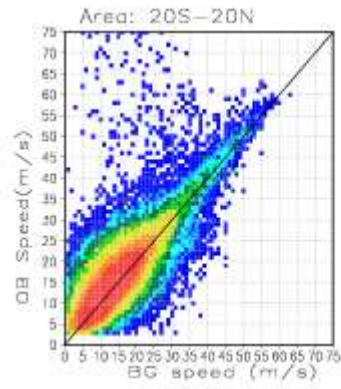


No. of OBS: 68649
Bias : 0.13
STD : 1.92

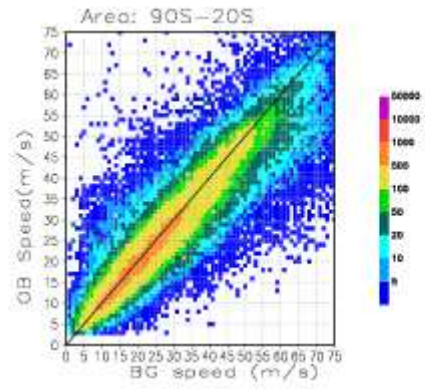
METEOSAT-7 WV, March 2017, High Level, Above 400 hPa



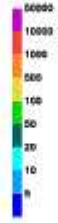
No. of OBS: 173022
Bias : -2.14
STD : 6.14



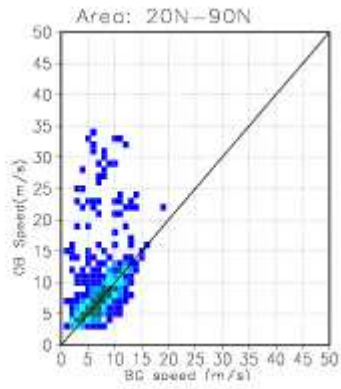
No. of OBS: 529889
Bias : 1.05
STD : 3.75



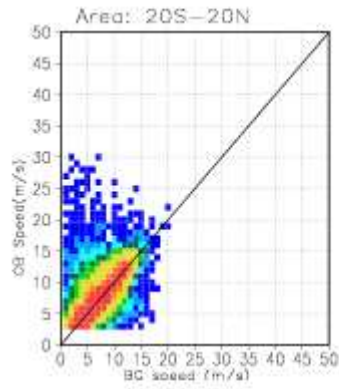
No. of OBS: 216149
Bias : -0.94
STD : 5.49



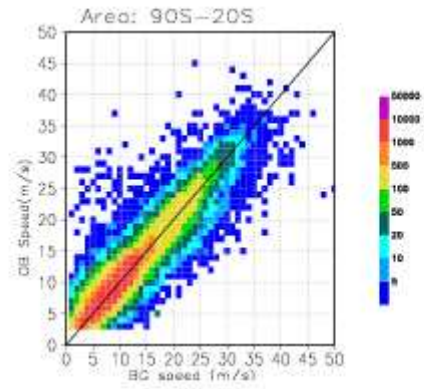
METEOSAT-7 VIS, March 2017, Low Level, Below 700 hPa



No. of OBS: 1175
Bias : 1.08
STD : 4.24

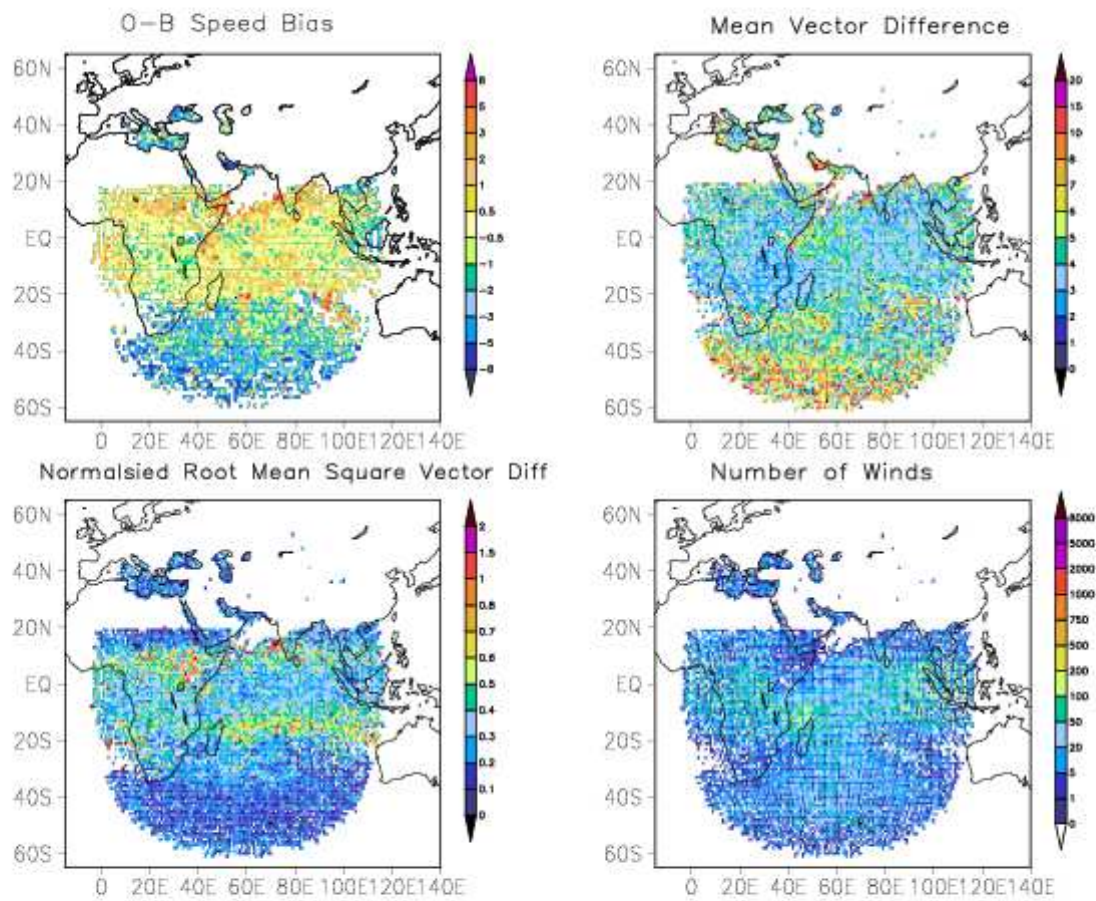


No. of OBS: 123694
Bias : 0.29
STD : 1.82

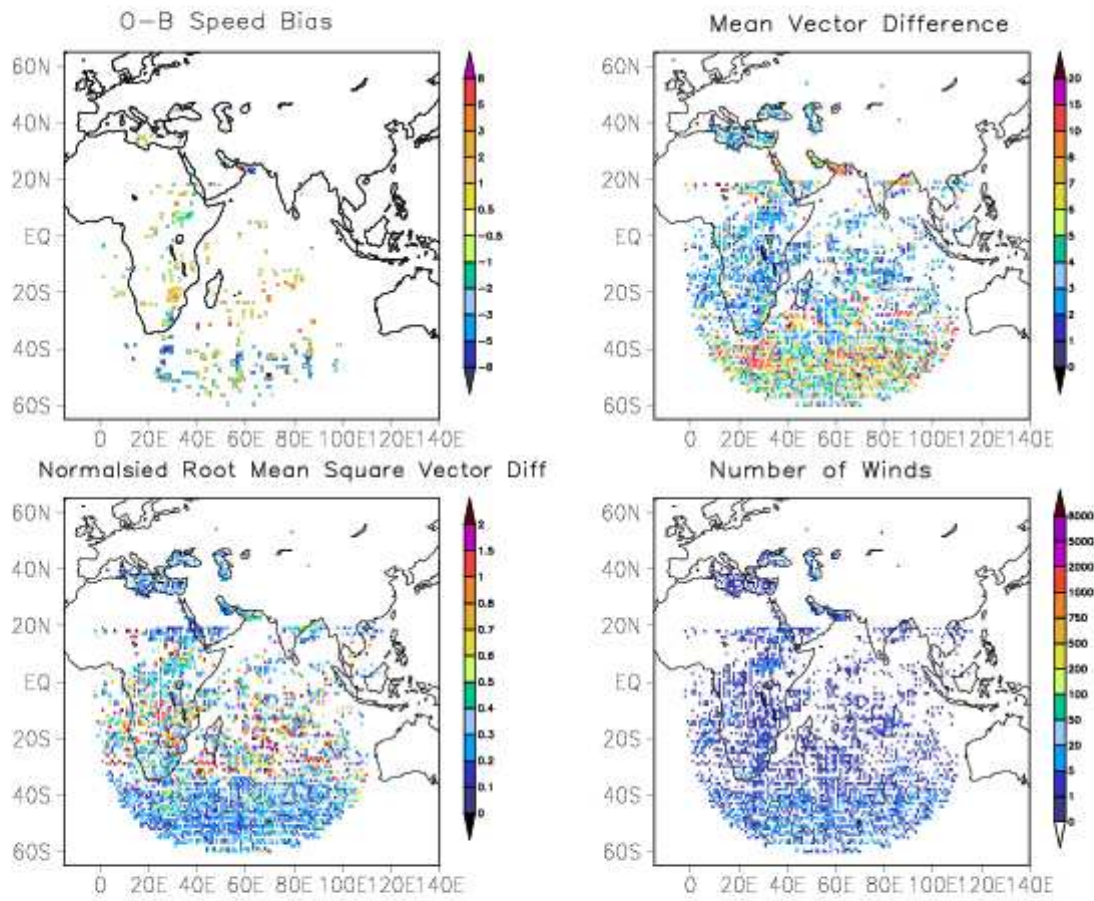


No. of OBS: 174687
Bias : 0.34
STD : 1.90

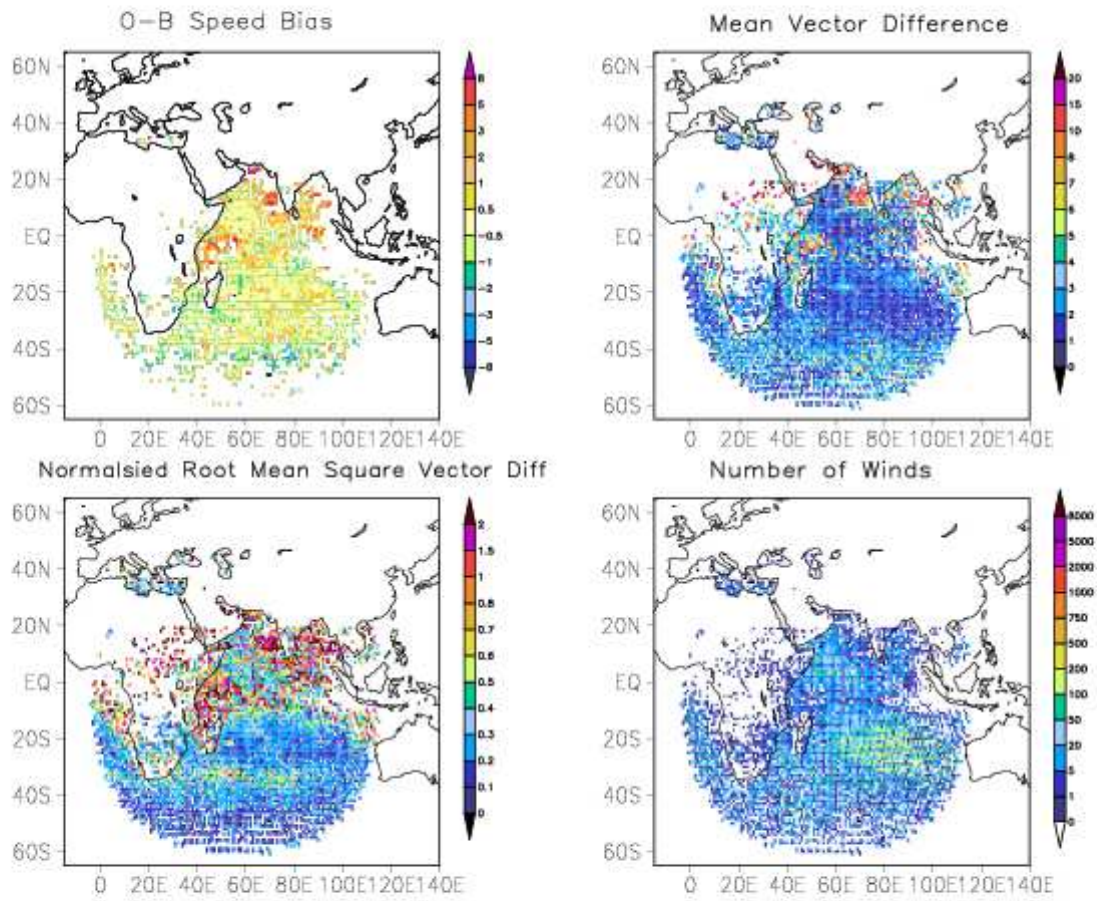
METEOSAT-7 IR, High Level, Above 400 hPa, March 2017



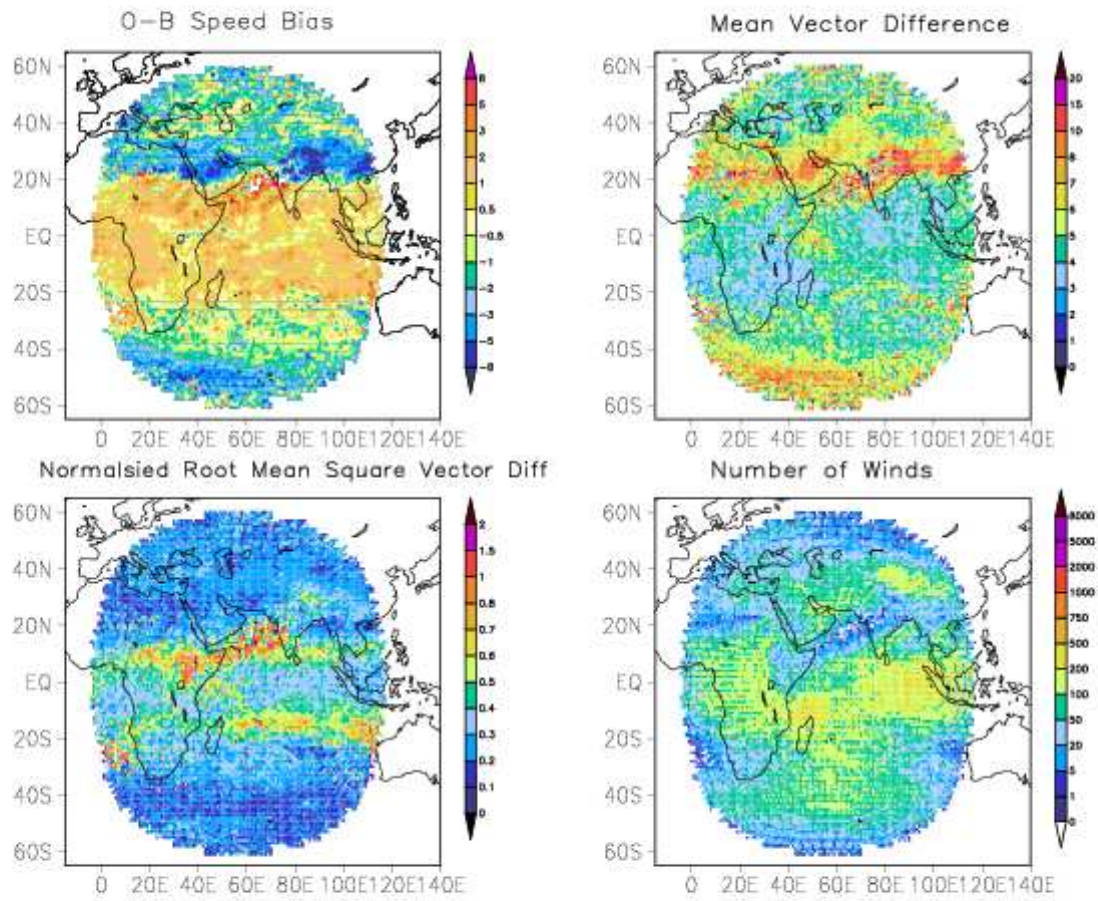
METEOSAT-7 IR, Mid Level, 700 - 401 hPa, March 2017



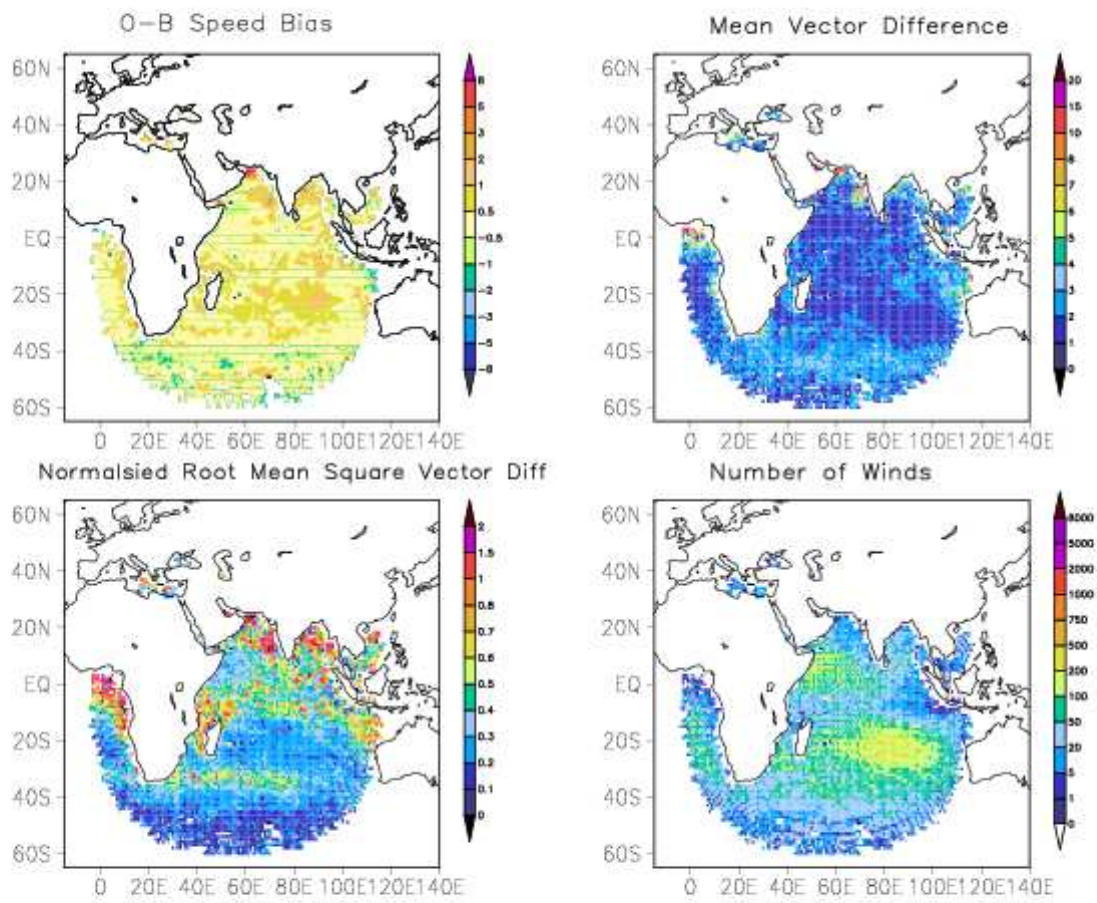
METEOSAT-7 IR, Low Level, Below 700 hPa, March 2017



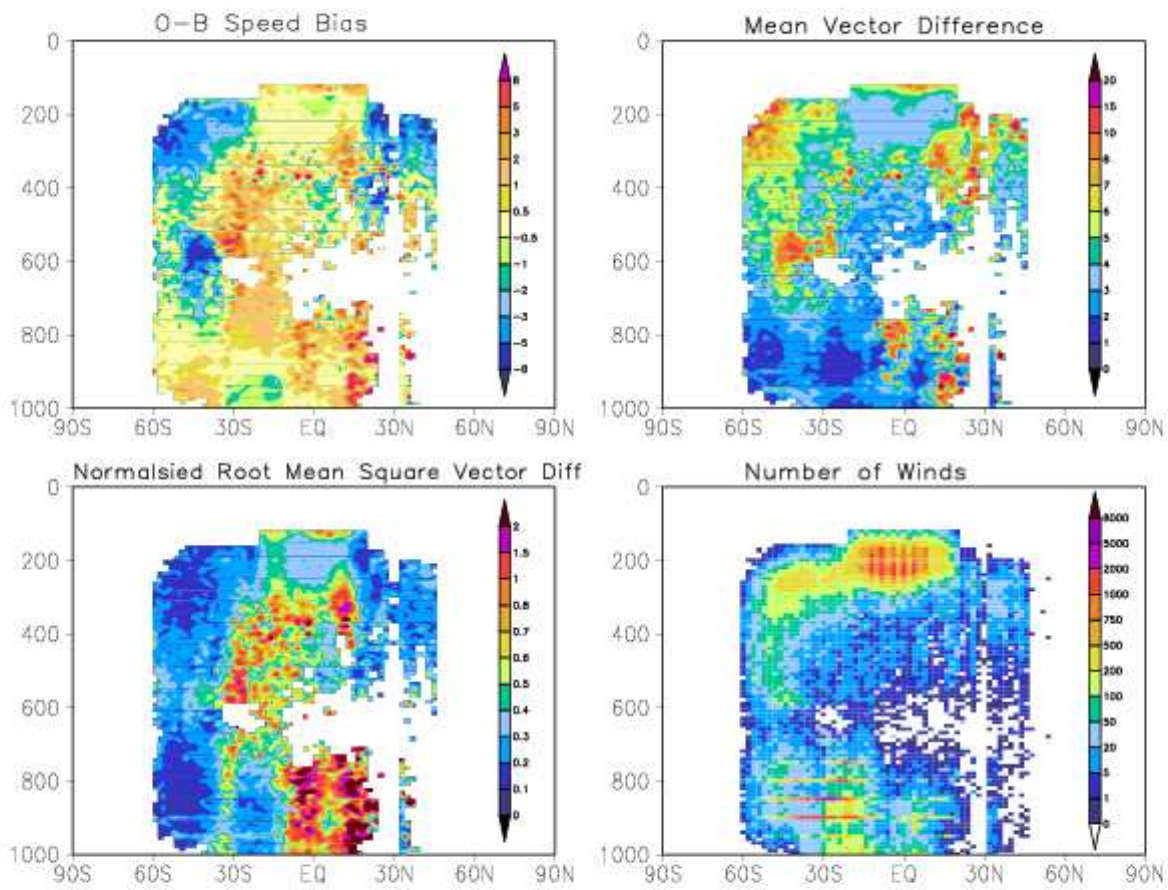
METEOSAT-7 WV, Above 400 hPa, March 2017



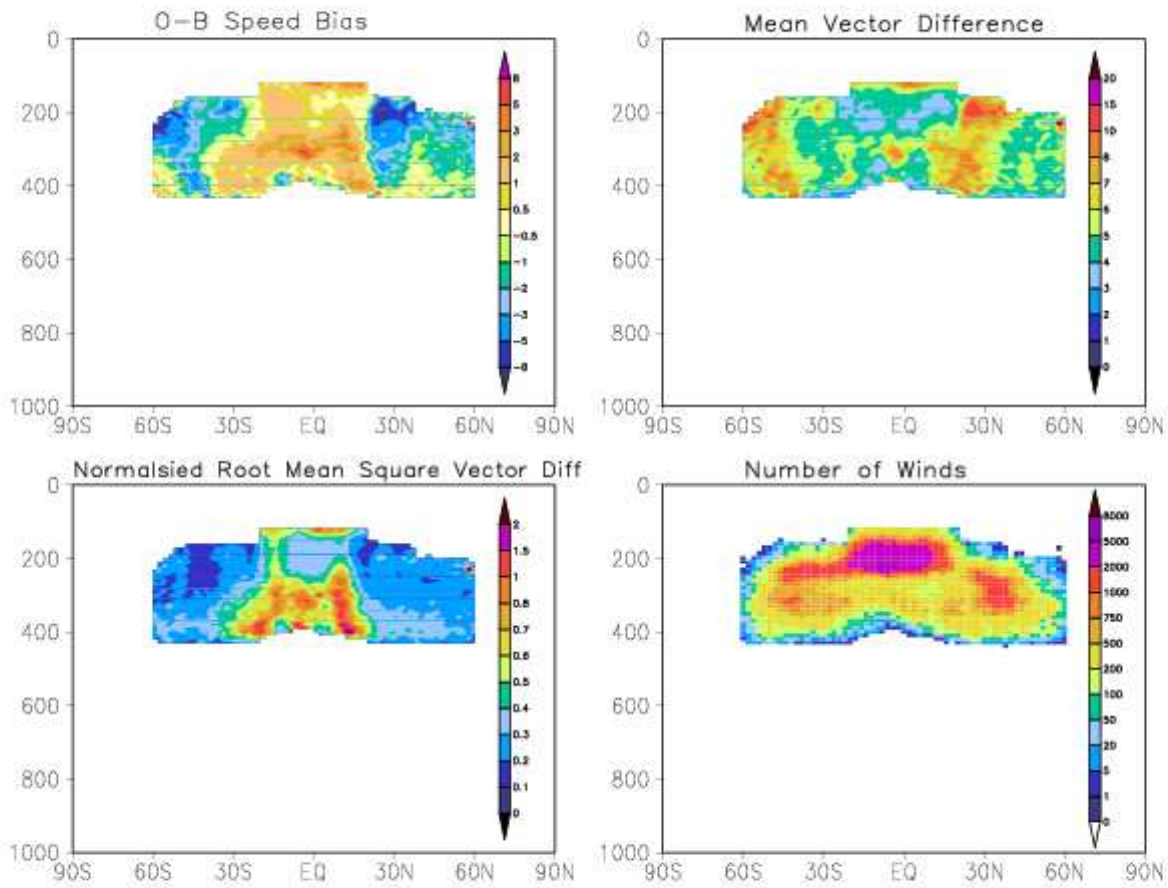
METEOSAT-7 VIS, Low Level, Below 700 hPa, March 2017



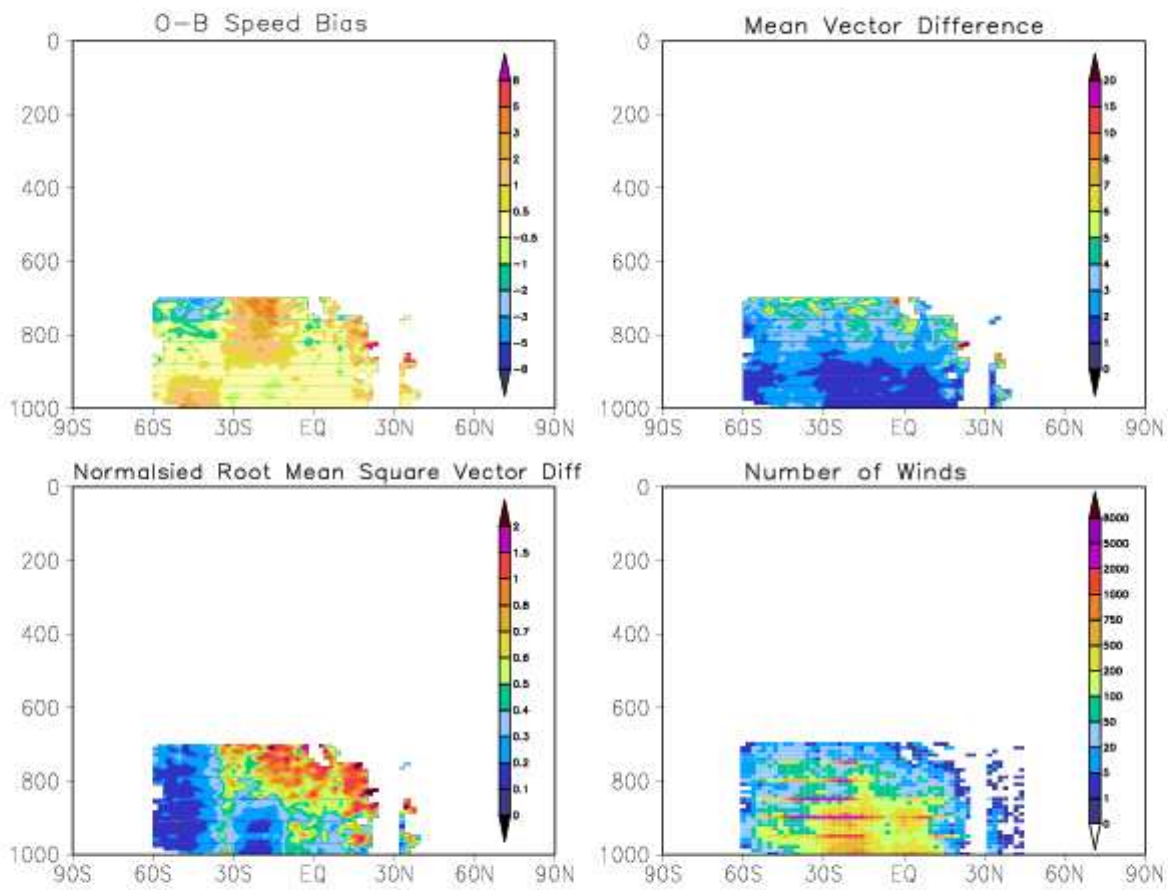
METEOSAT-7 IR, March 2017



METEOSAT-7 WV, March 2017



METEOSAT-7 VIS, March 2017



Validation against
Insitu Observations