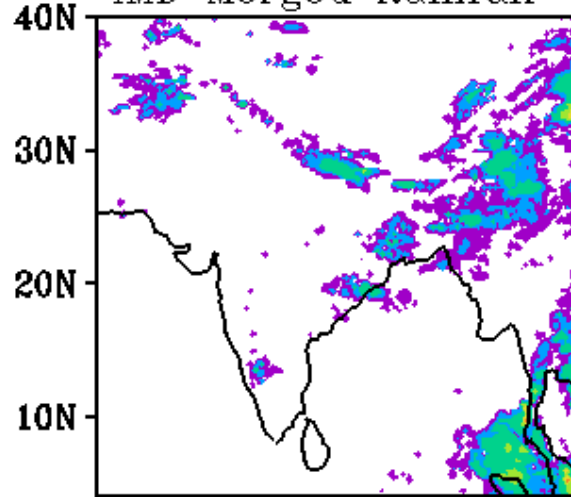
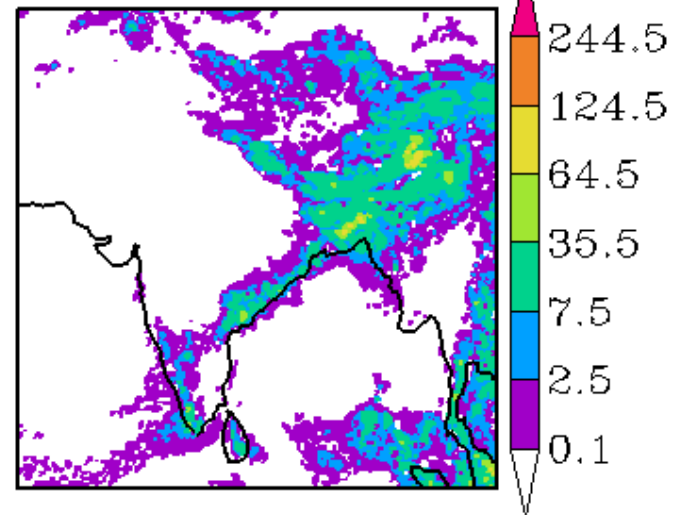


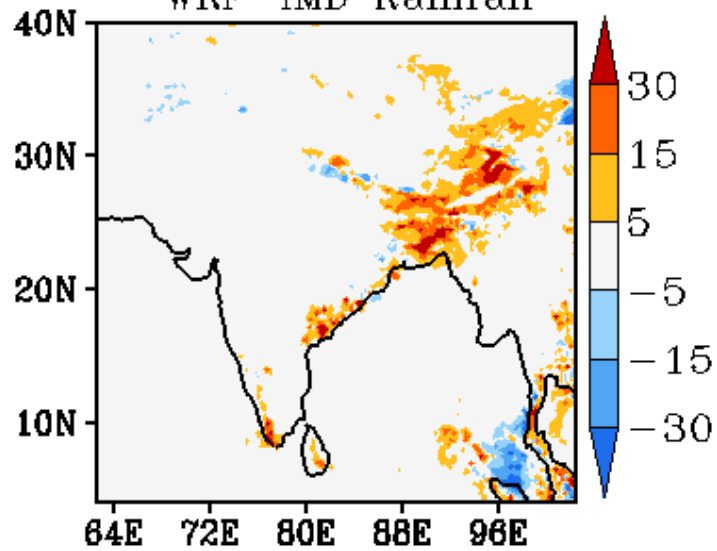
IMD Merged Rainfall



WRF Rainfall 24h FC

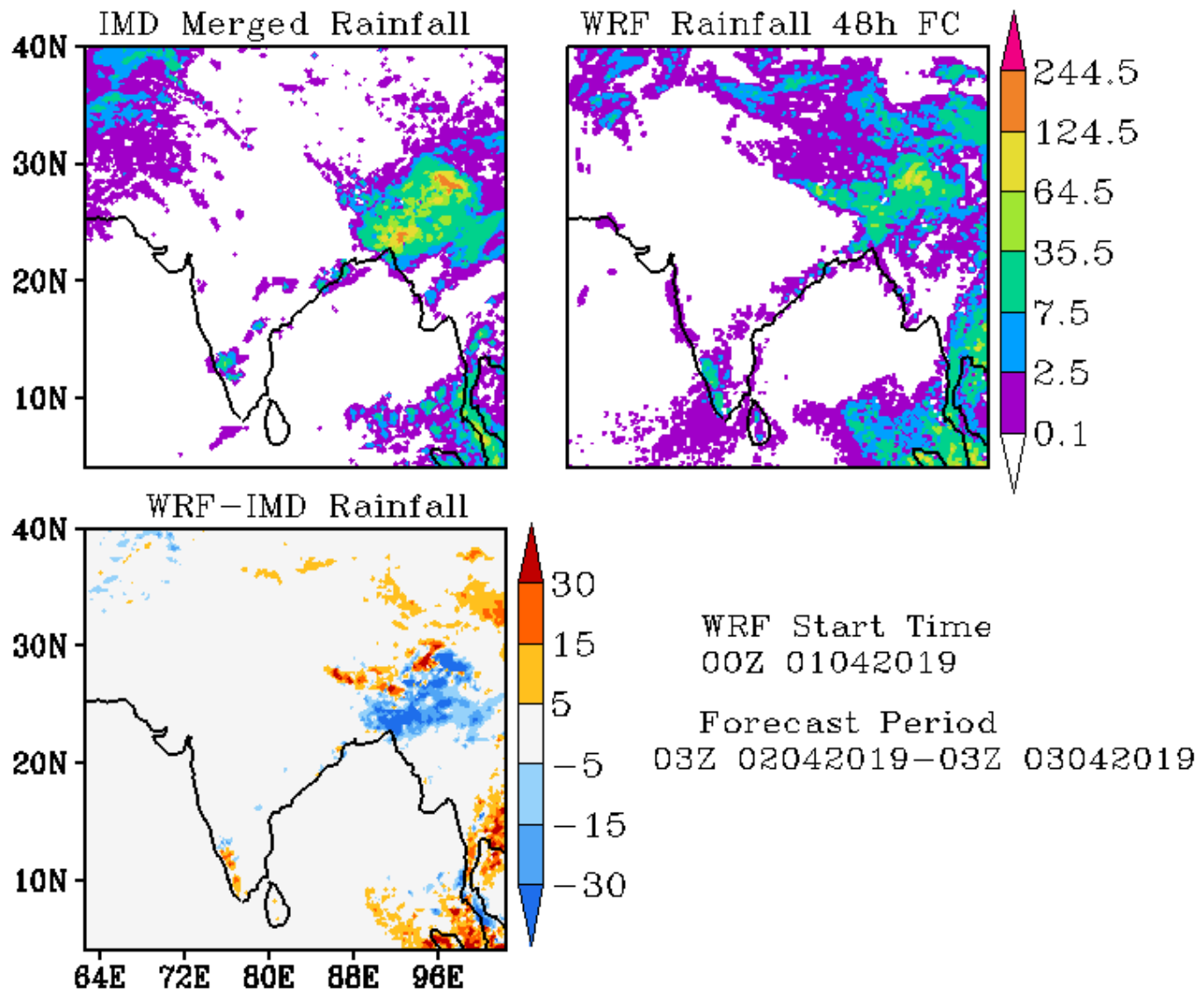


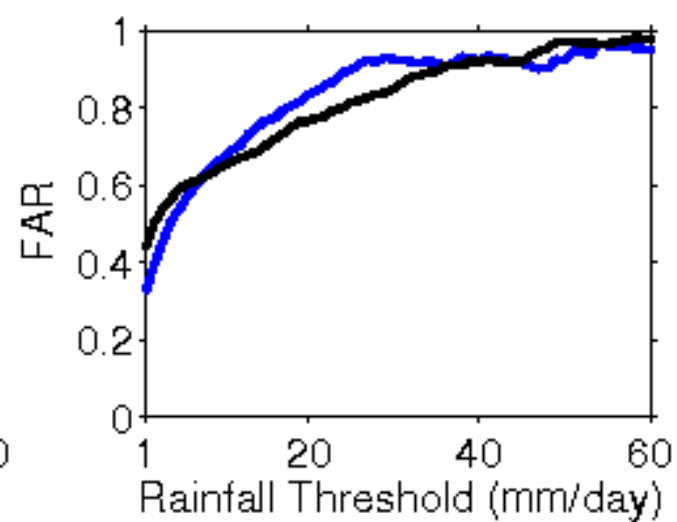
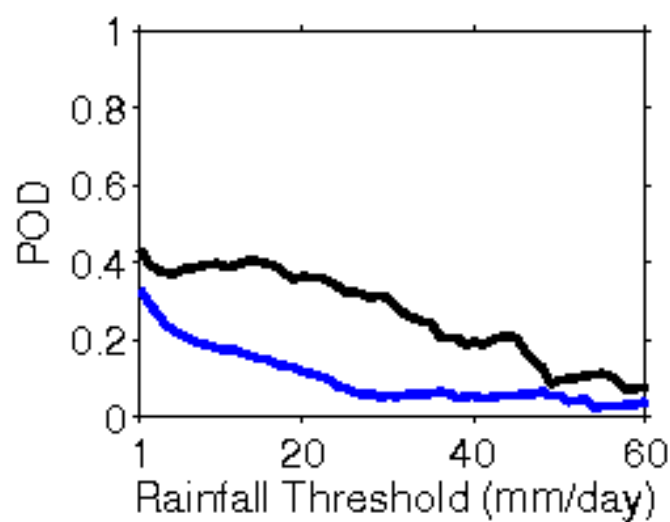
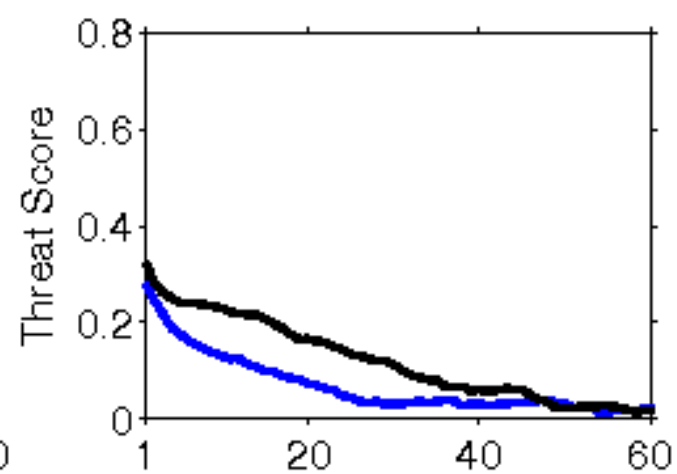
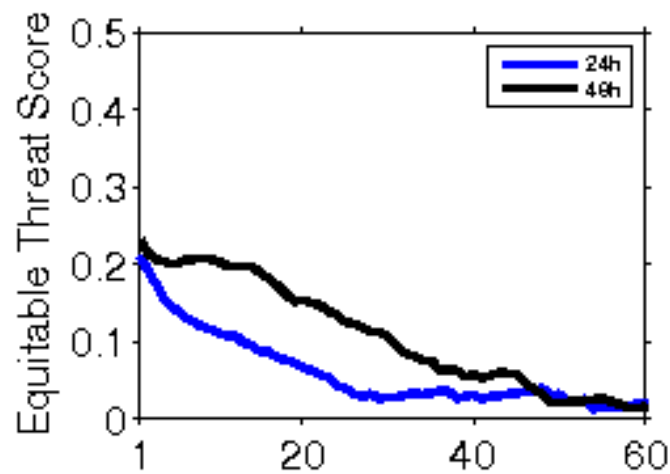
WRF-IMD Rainfall

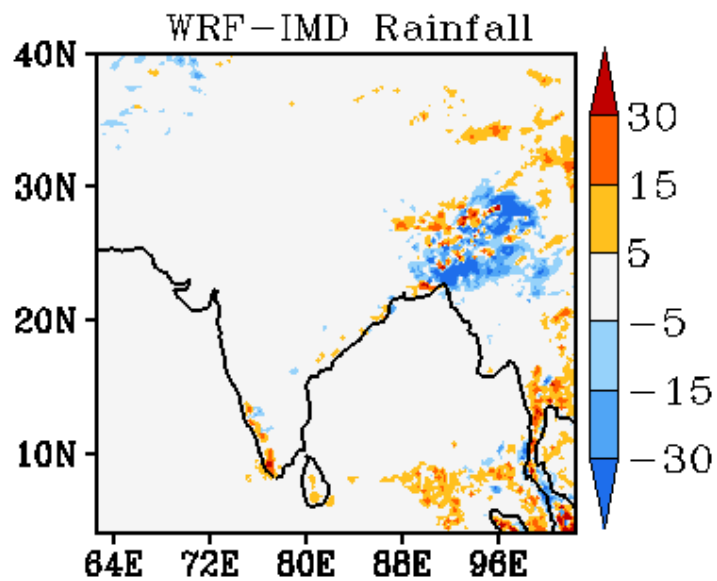
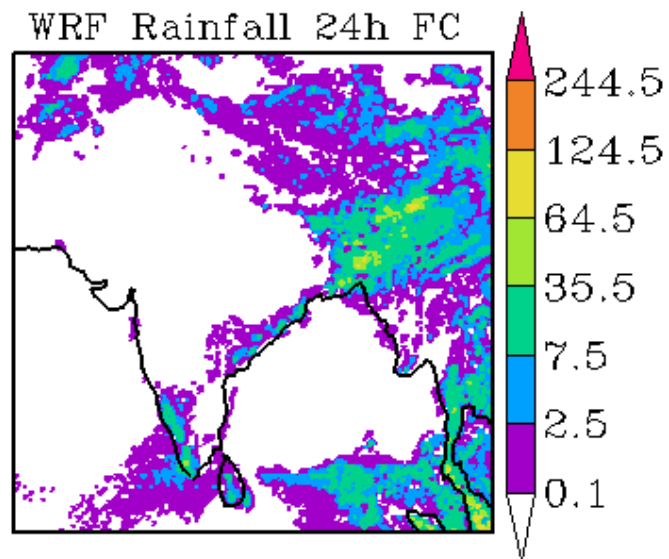
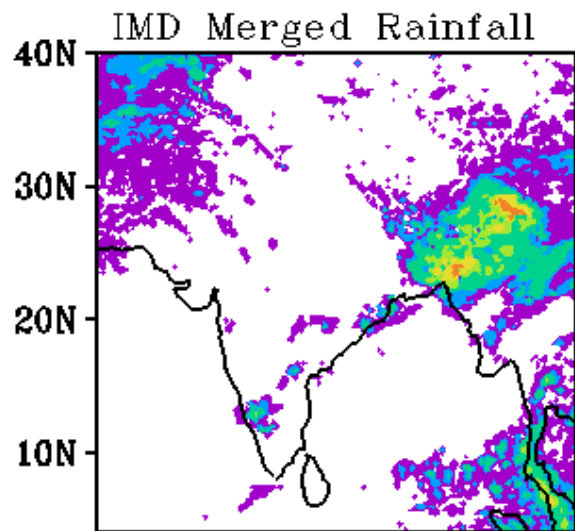


WRF Start Time
00Z 01042019

Forecast Period
03Z 01042019-03Z 02042019

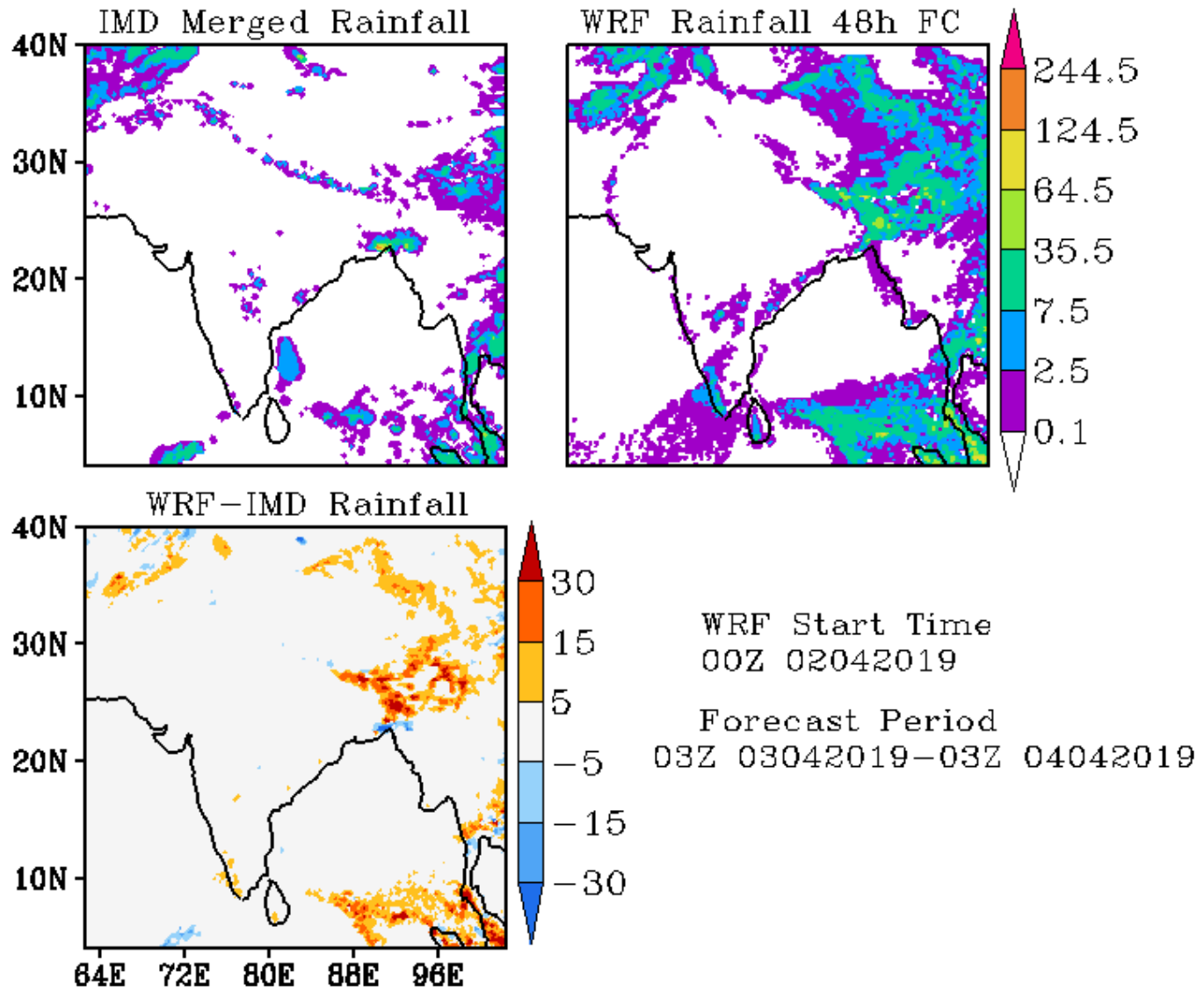


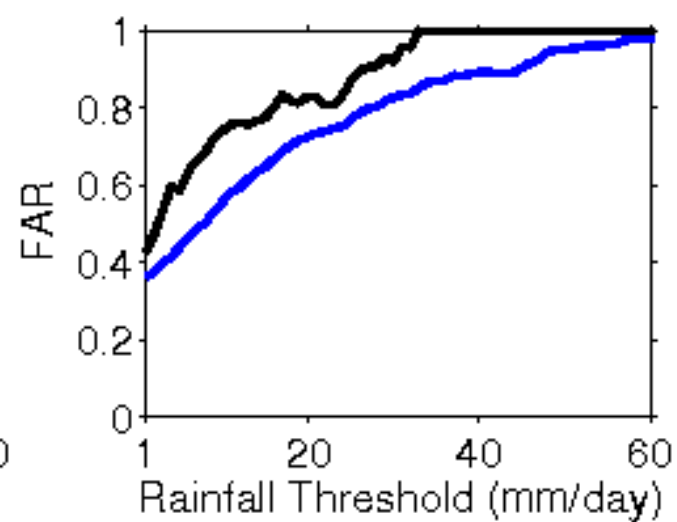
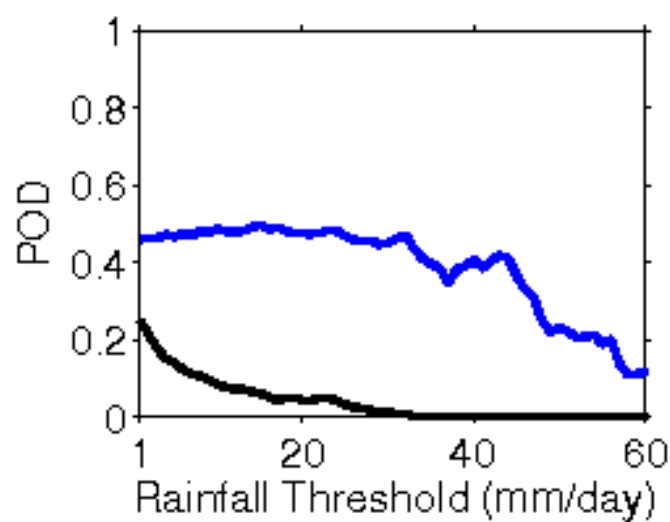
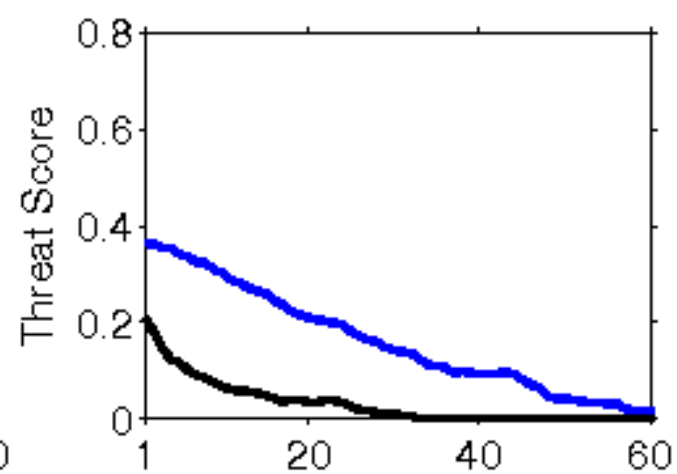
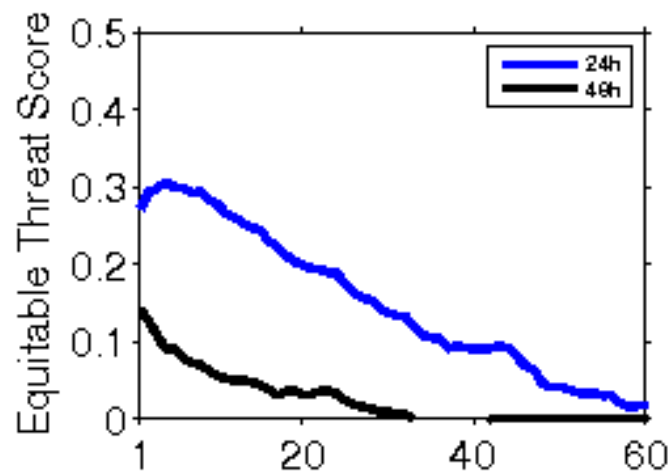




WRF Start Time
00Z 02042019

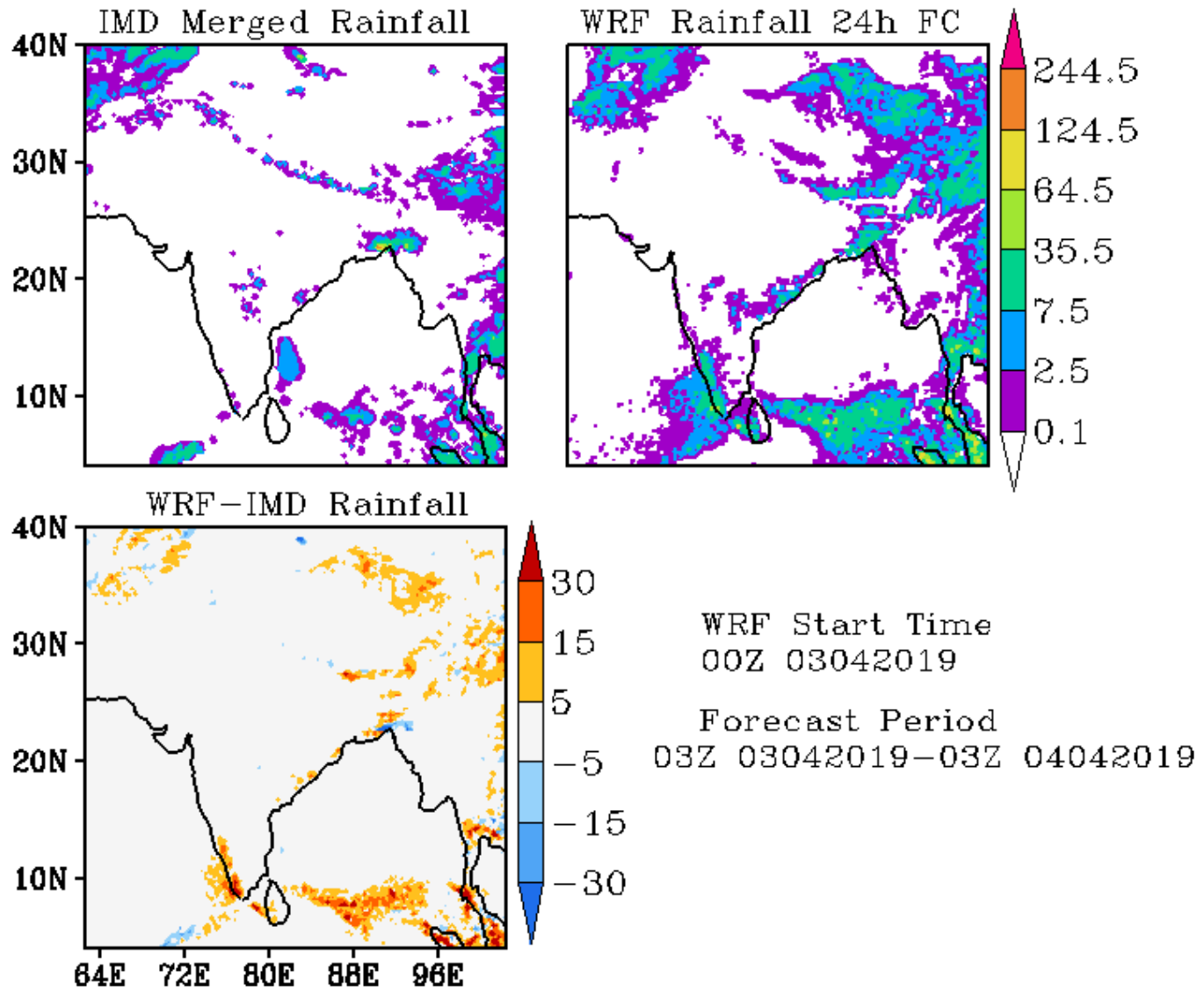
Forecast Period
03Z 02042019-03Z 03042019

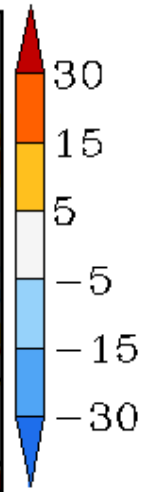
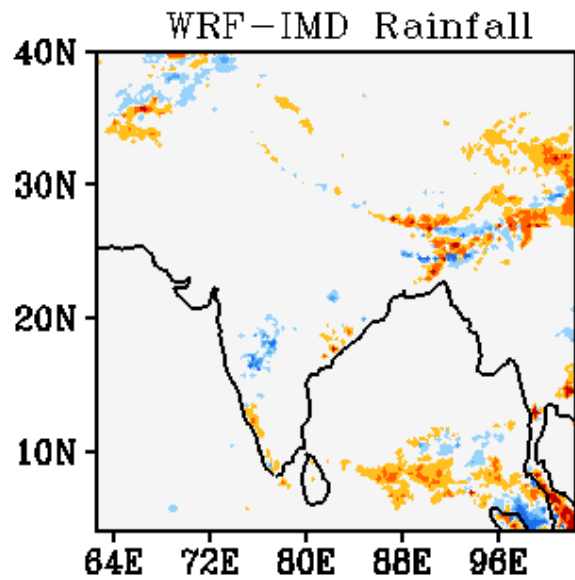
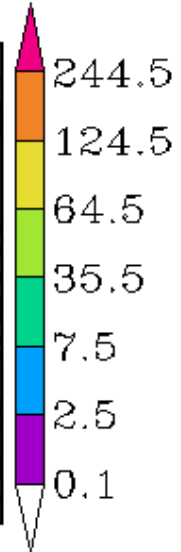
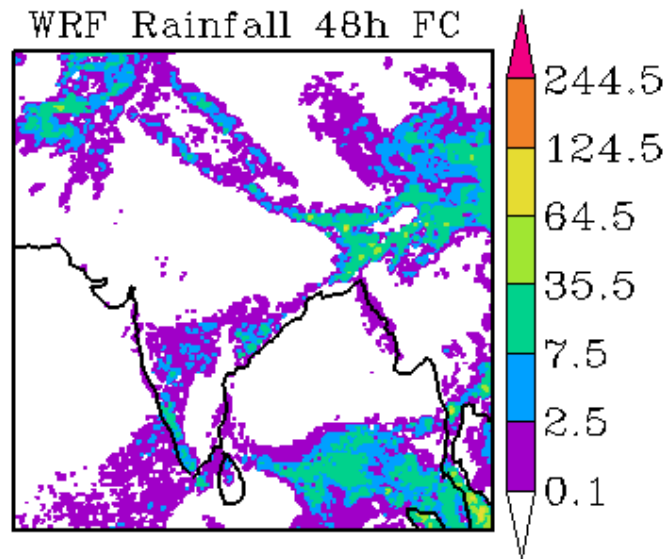
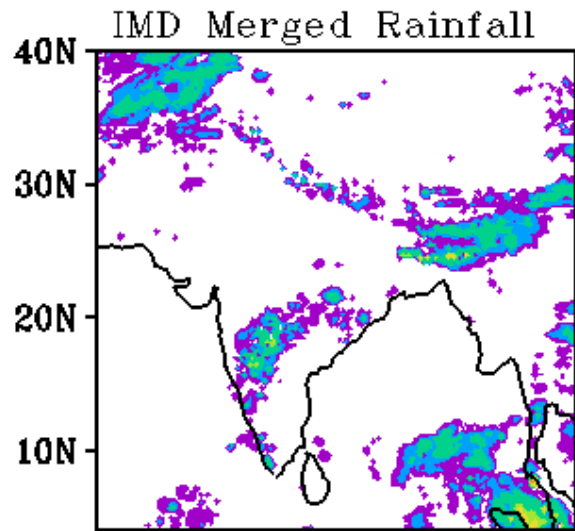




**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 03-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

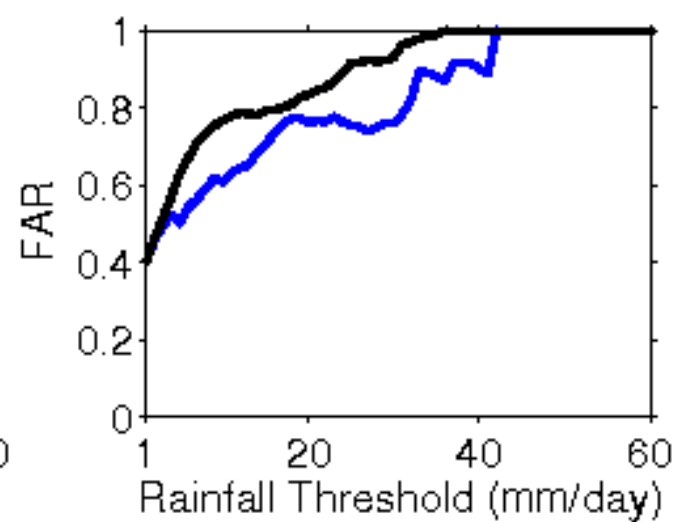
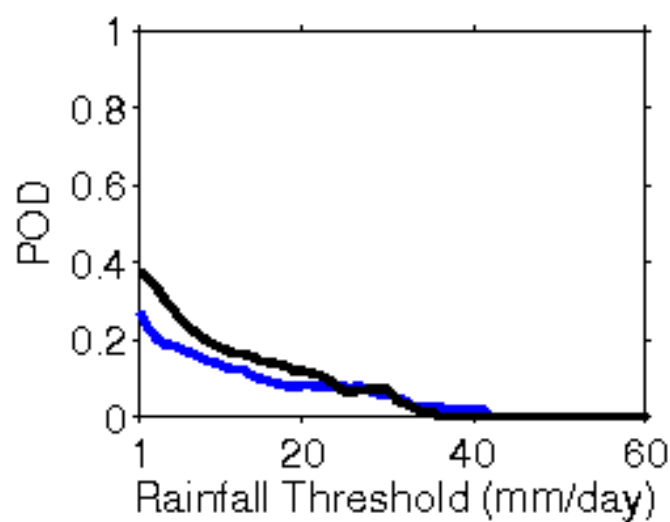
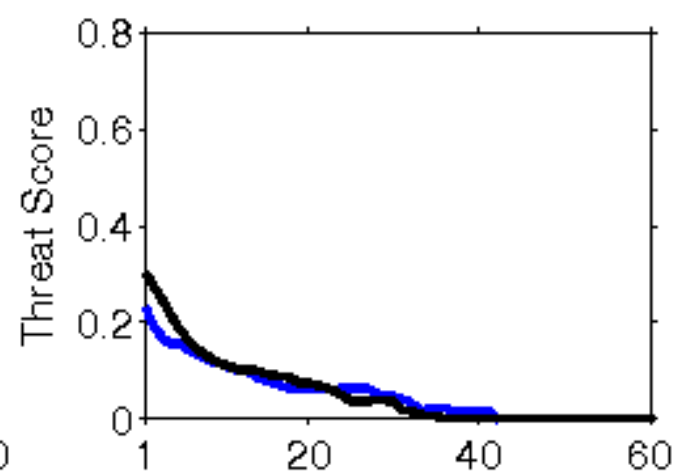
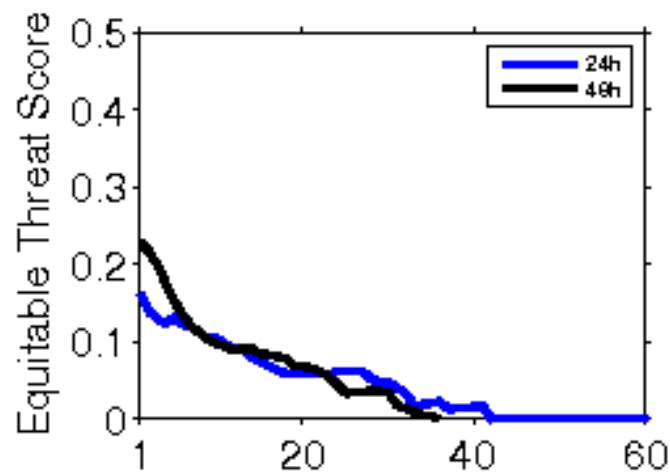
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	2.04(-0.95)	16.41(9.49)	2.20(1.13)
48 Hour	2.16(-0.69)	16.43(8.62)	2.34(1.25)
72 Hour	2.70(-0.39)	17.24(8.75)	2.59(1.35)





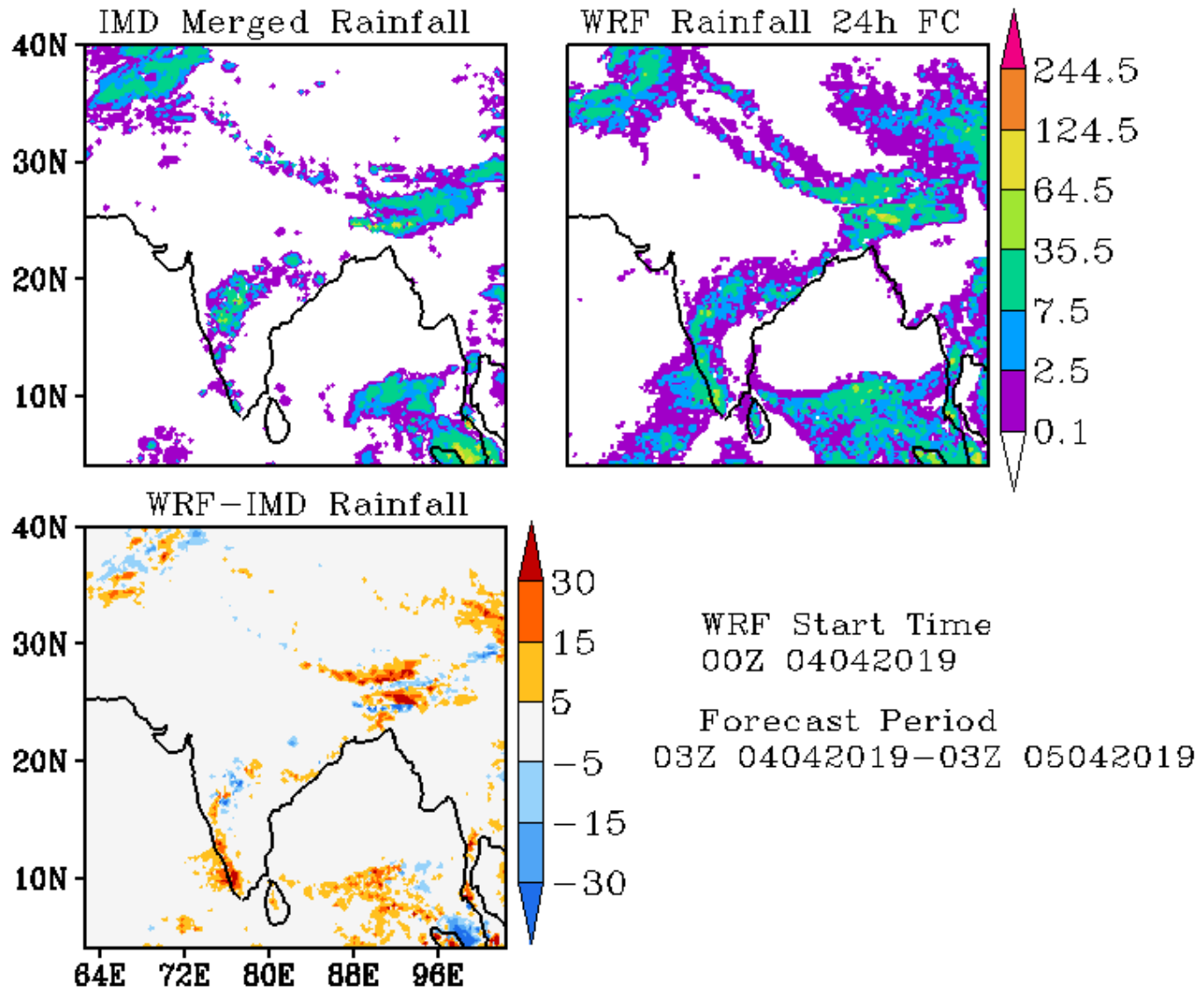
WRF Start Time
00Z 03042019

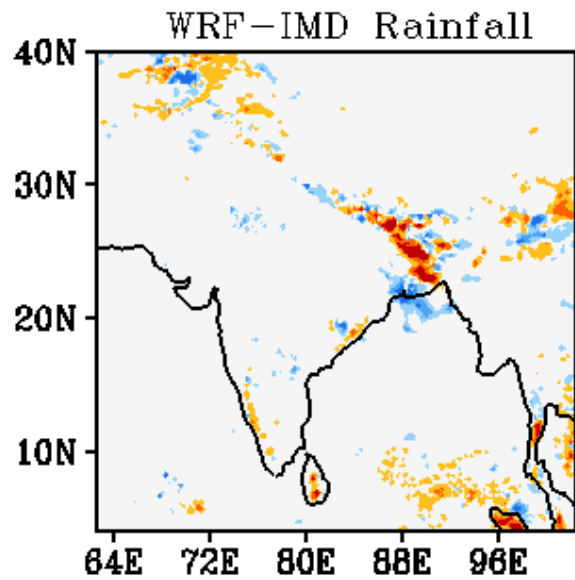
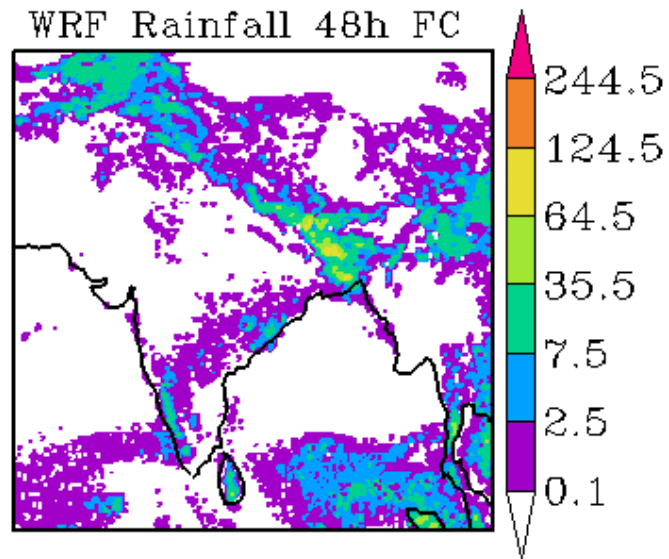
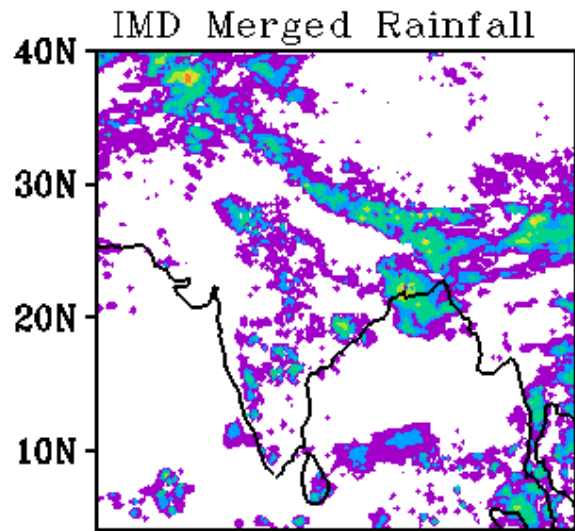
Forecast Period
03Z 04042019-03Z 05042019



**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 04-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

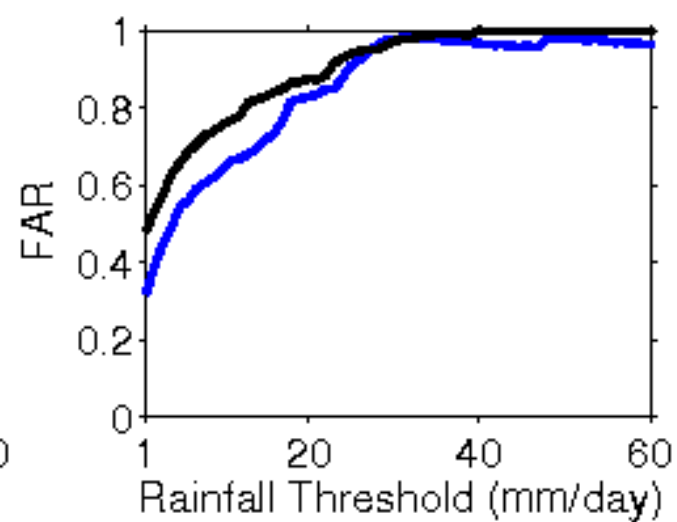
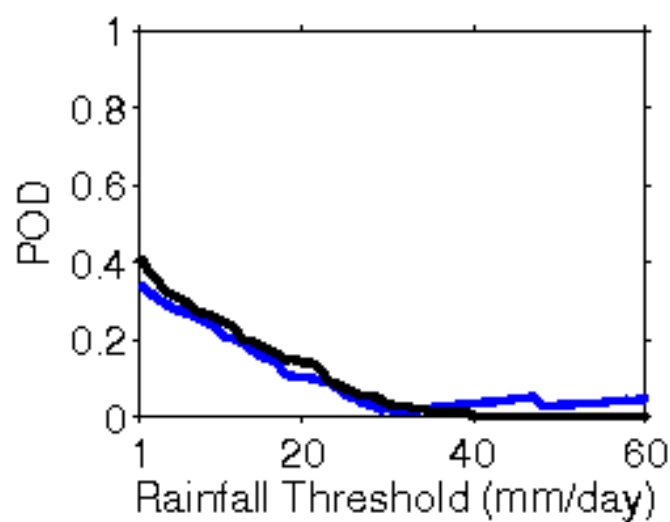
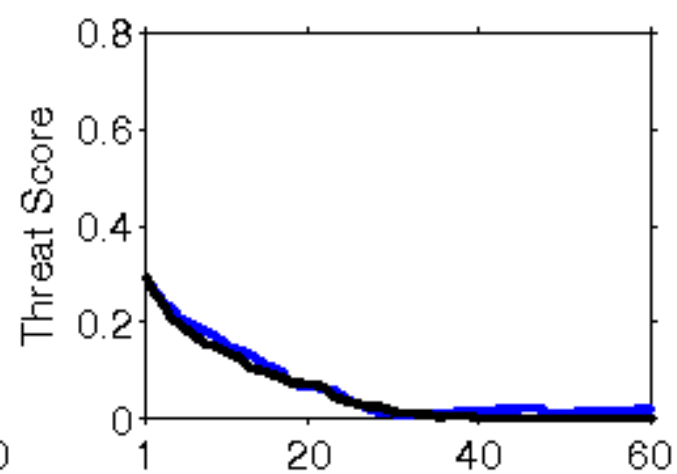
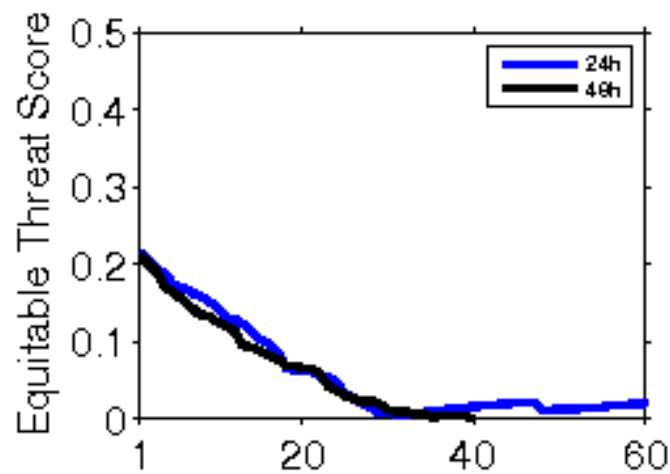
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.90(-0.92)	14.76(8.44)	1.99(0.99)
48 Hour	2.04(-0.57)	17.18(7.65)	2.26(1.17)
72 Hour	2.58(-0.52)	18.95(7.74)	2.49(1.14)





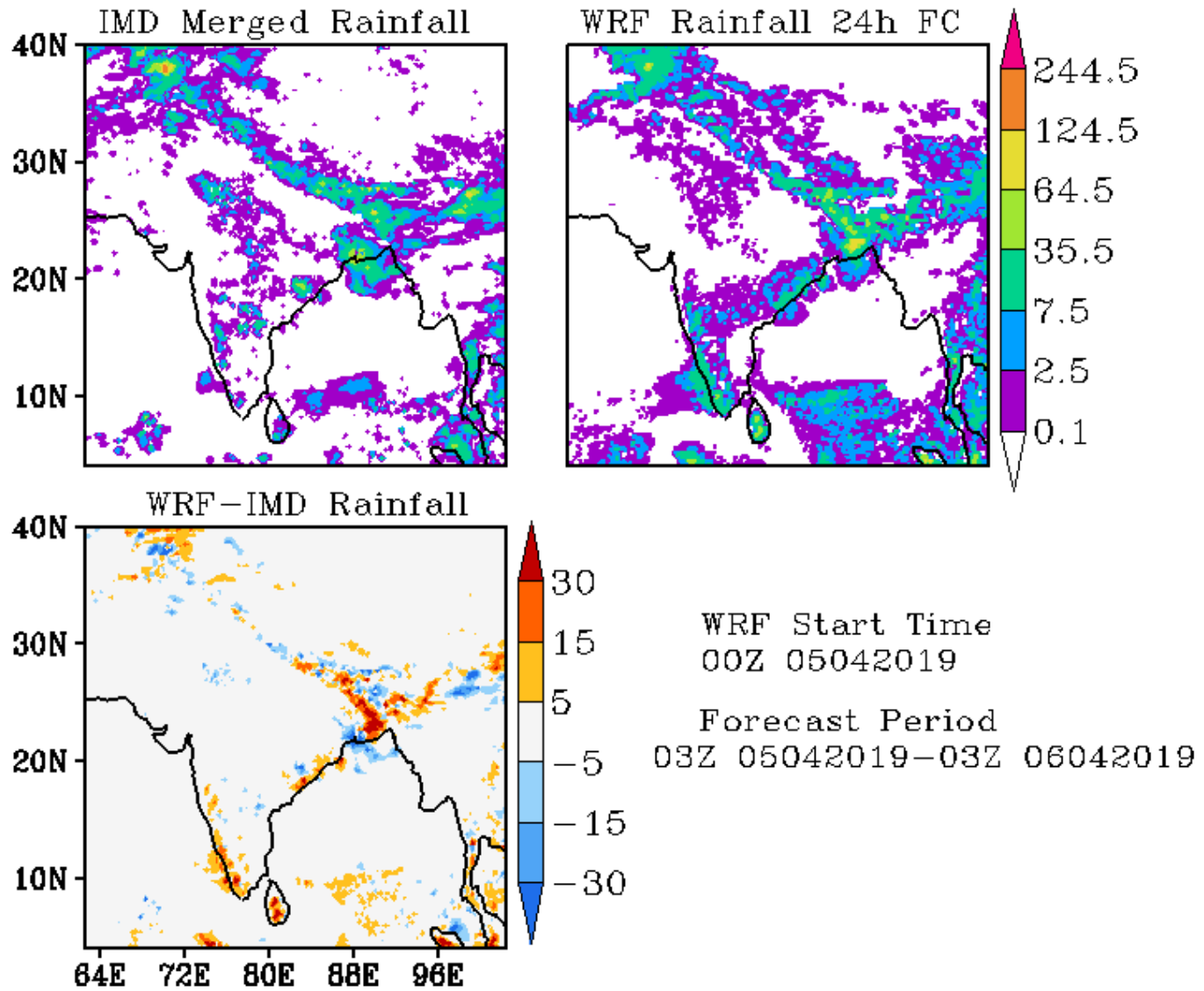
WRF Start Time
00Z 04042019

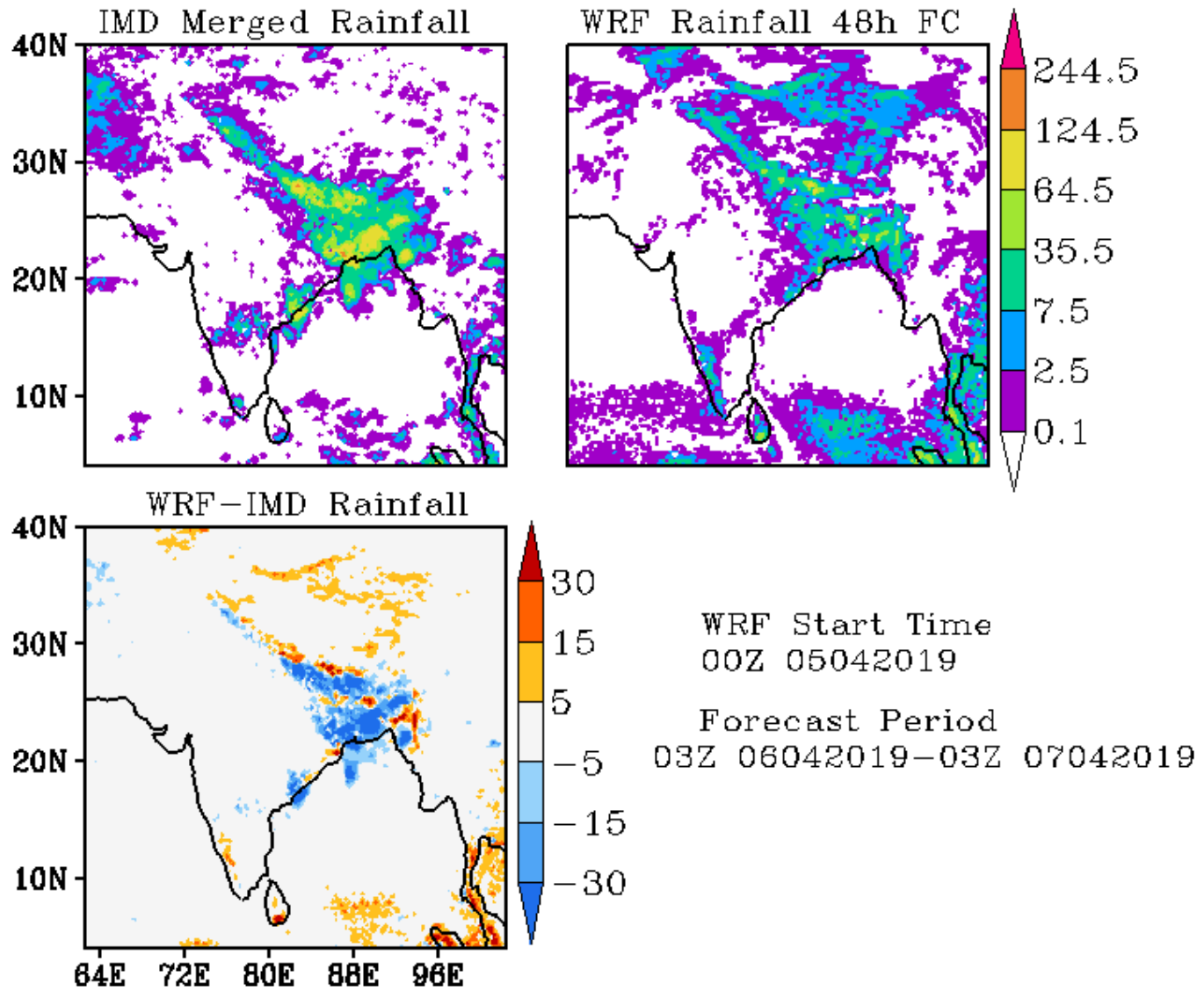
Forecast Period
03Z 05042019-03Z 06042019

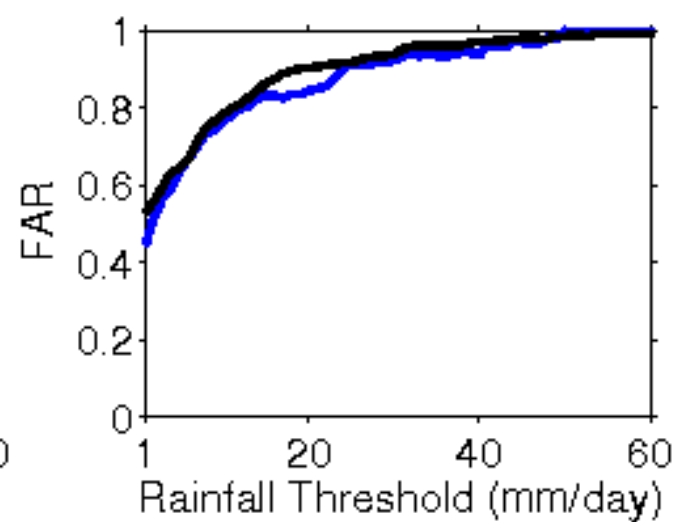
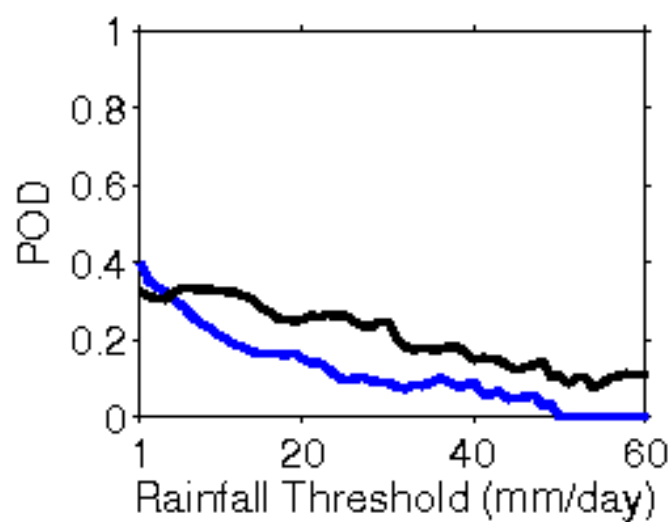
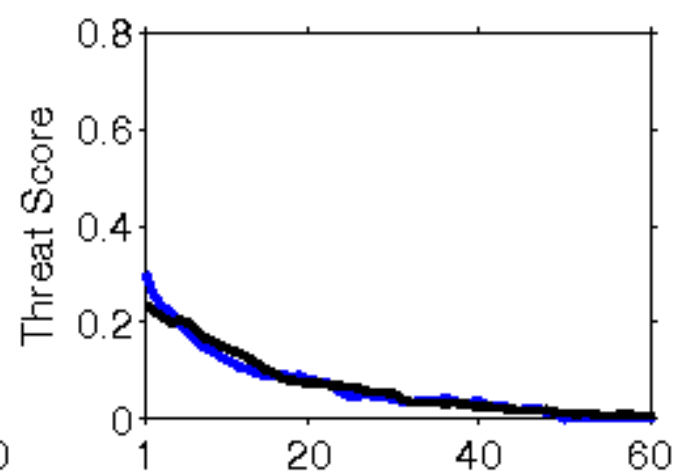
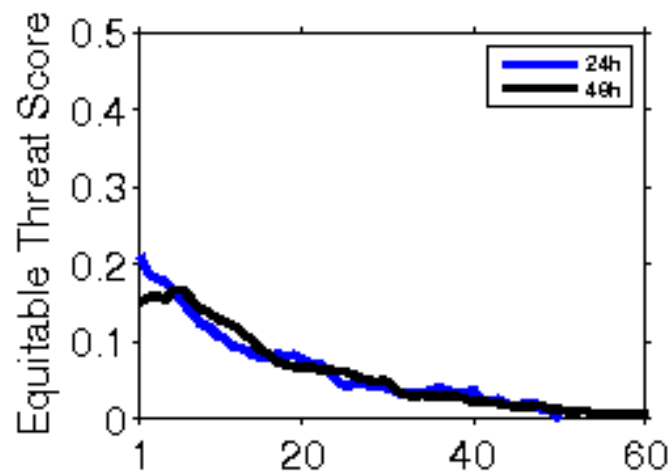


**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 05-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.83(-0.82)	15.95(9.31)	2.06(1.24)
48 Hour	2.36(-0.49)	18.81(7.90)	2.40(1.12)
72 Hour	2.98(-0.21)	21.73(7.44)	2.83(1.24)

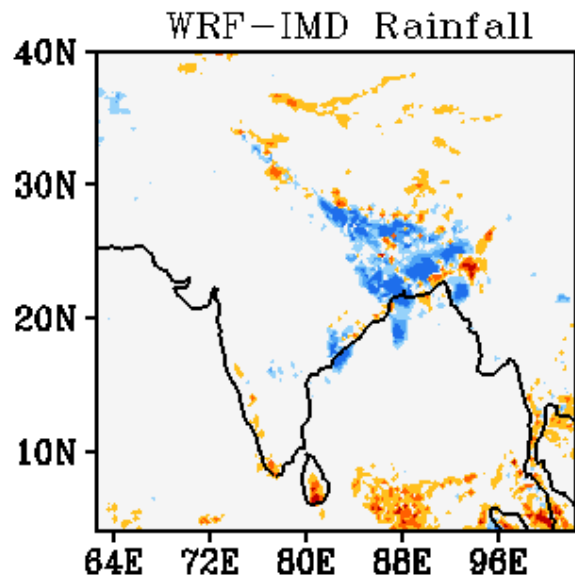
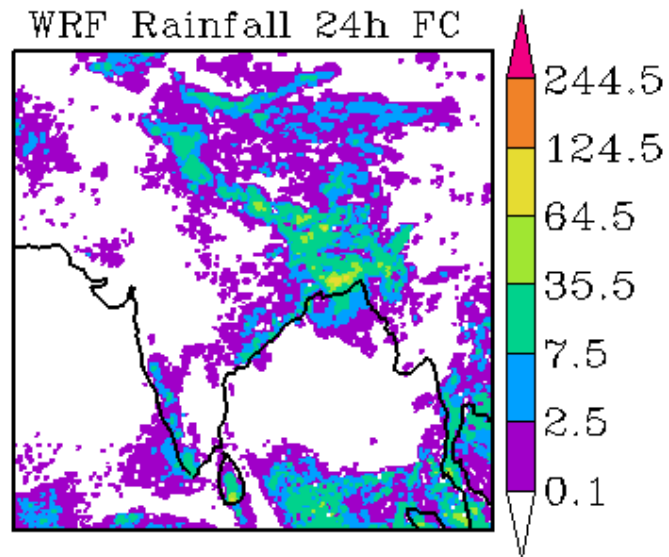
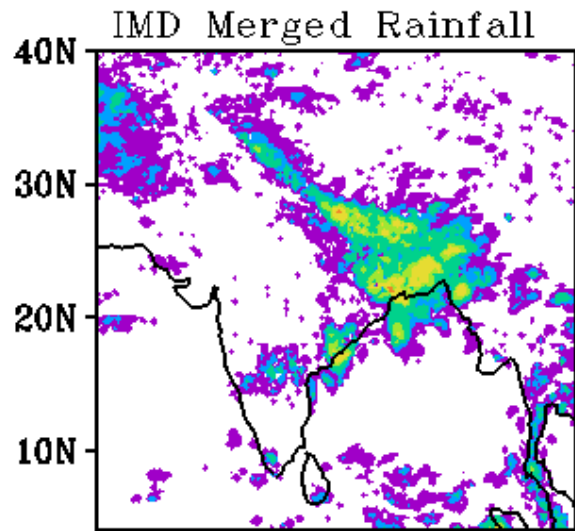






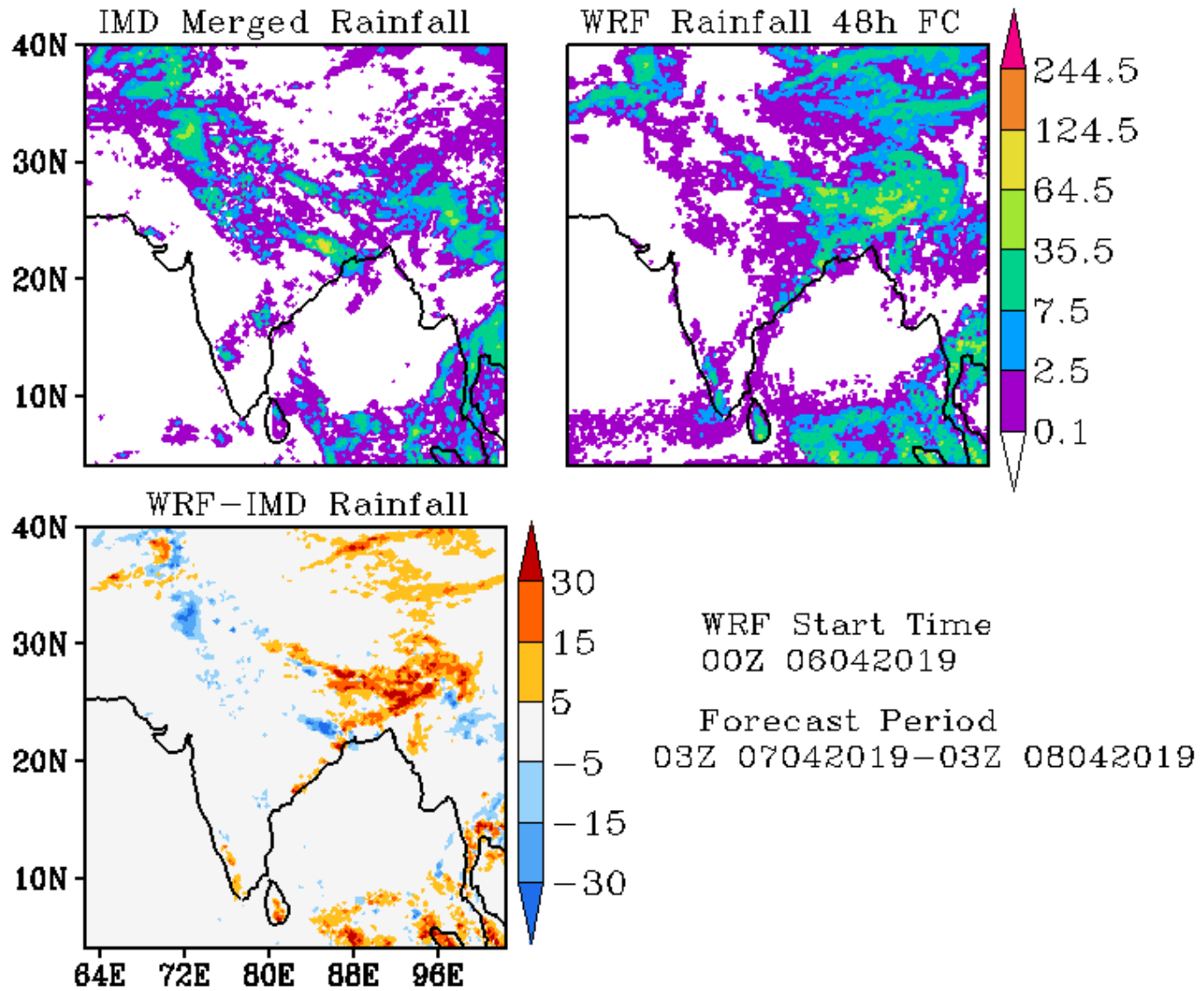
Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 06-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km

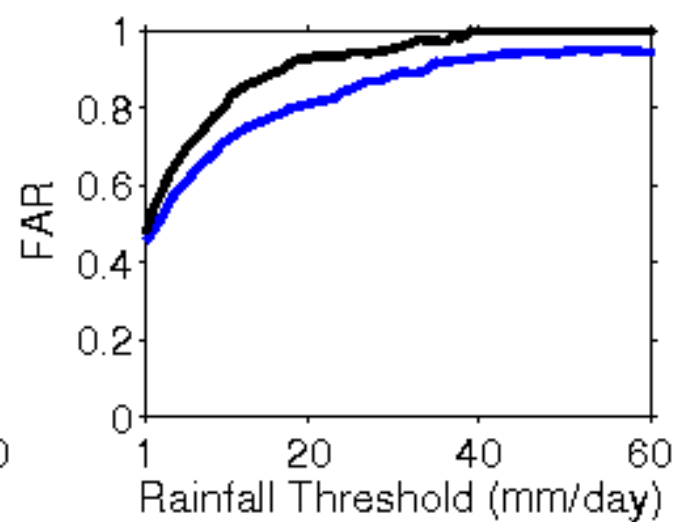
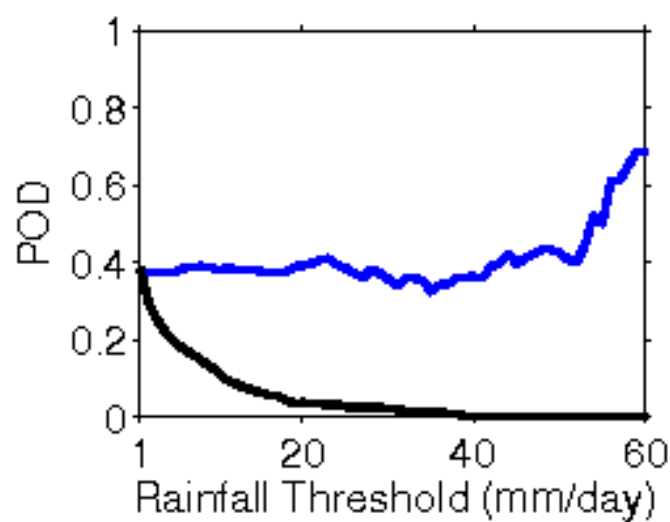
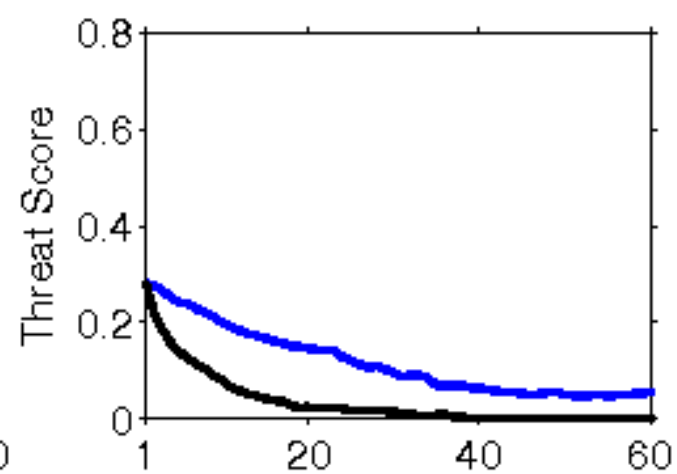
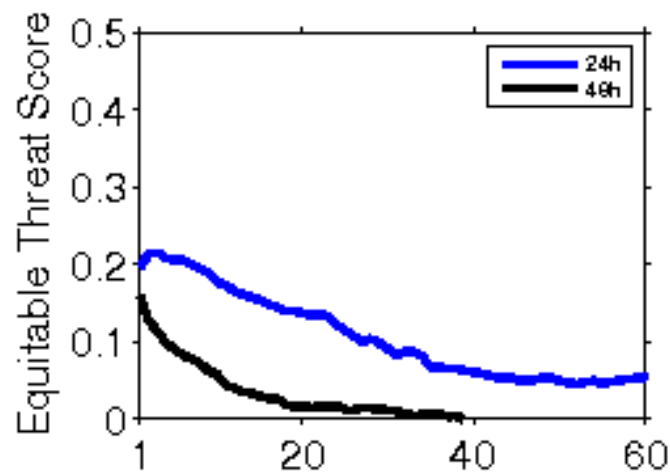
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	2.03(-0.83)	16.79(9.22)	2.08(1.02)
48 Hour	2.81(-0.47)	21.16(9.43)	2.62(1.01)
72 Hour	2.89(-0.24)	19.94(9.36)	2.70(1.03)



WRF Start Time
00Z 06042019

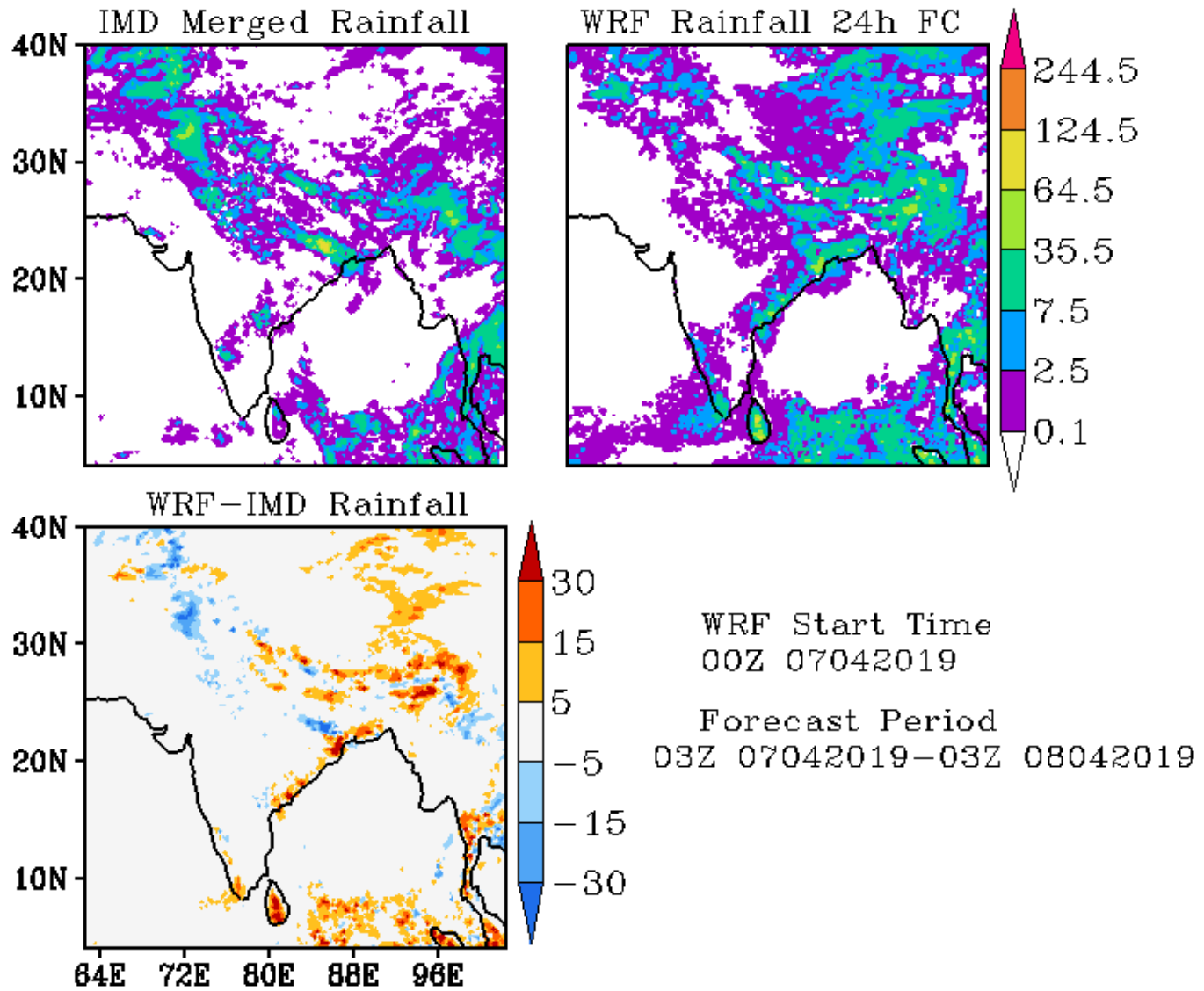
Forecast Period
03Z 06042019-03Z 07042019

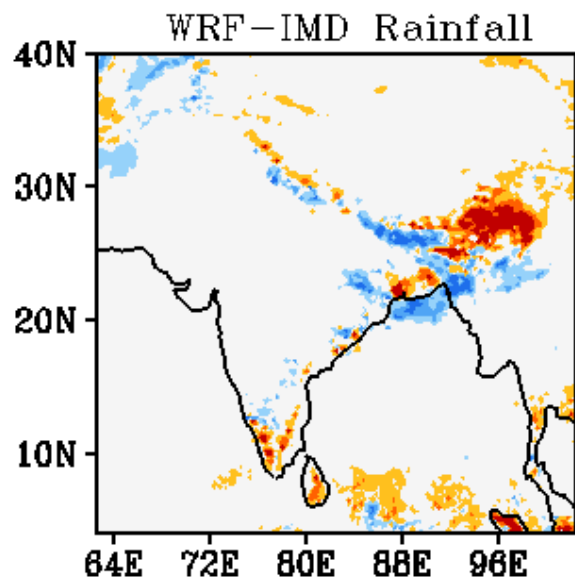
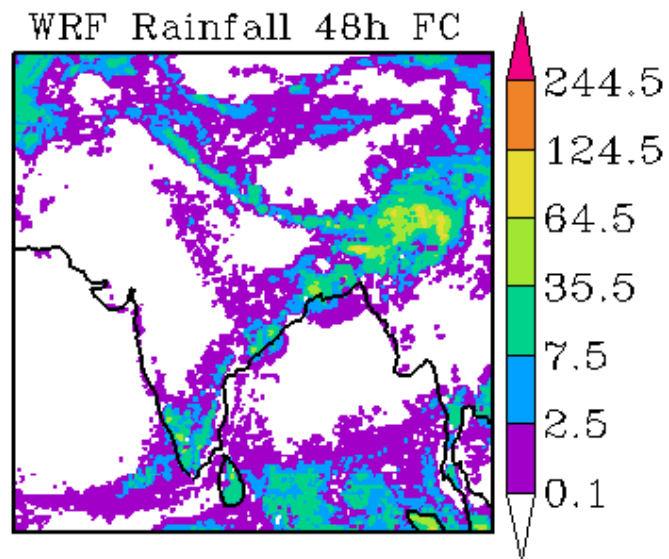
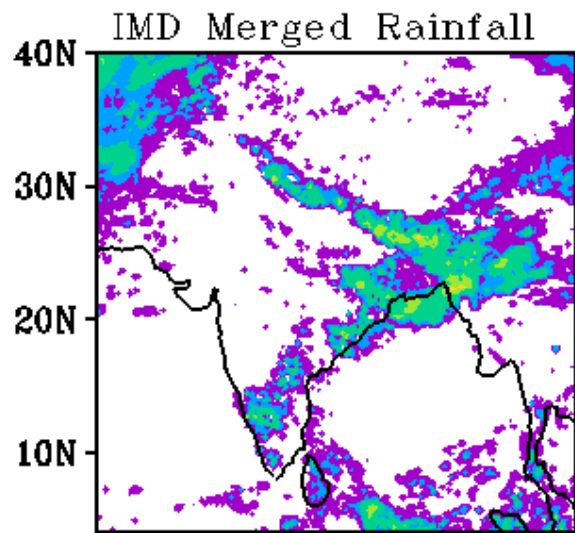




**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 07-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

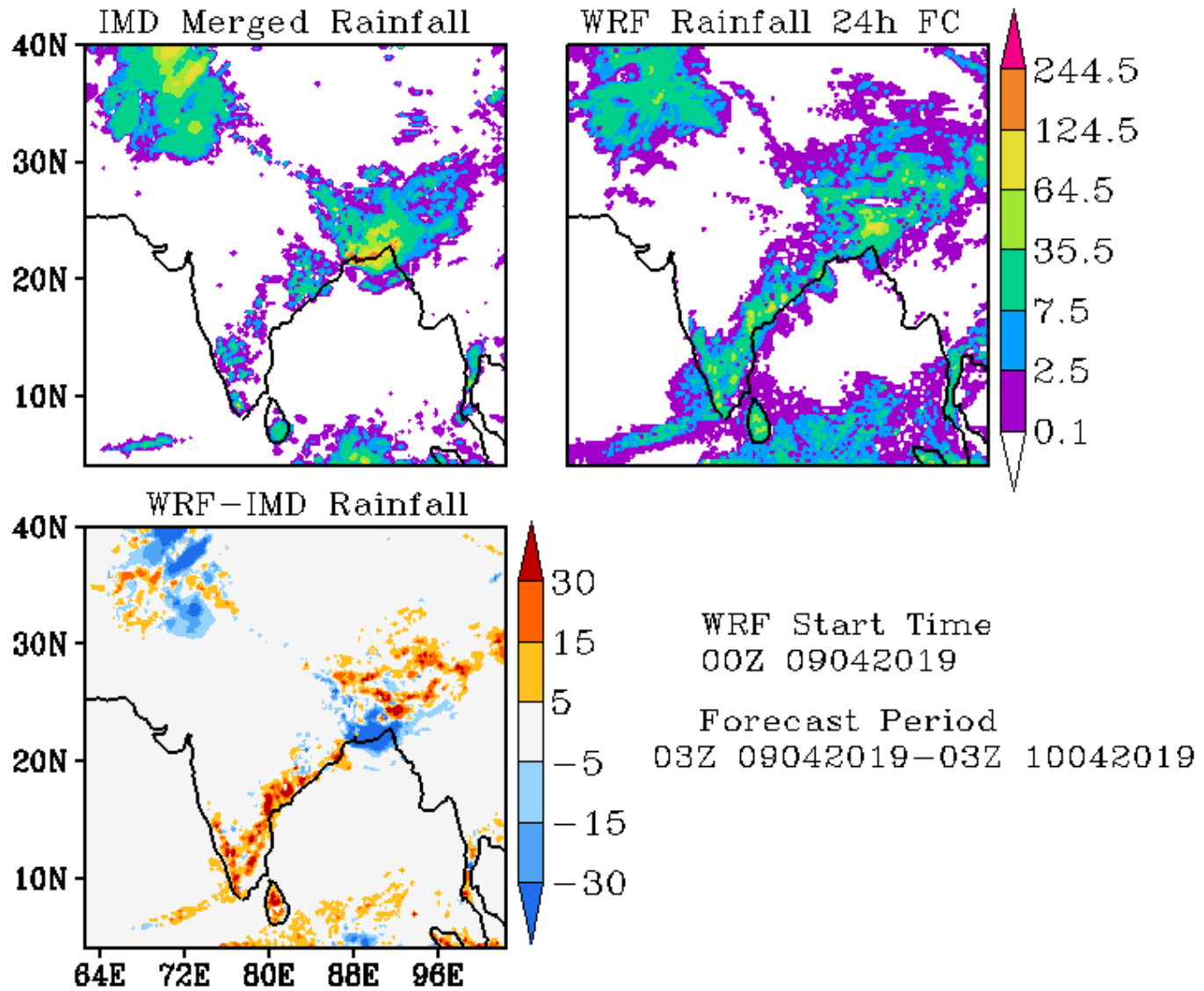
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	2.20(-1.03)	15.21(7.51)	2.27(1.17)
48 Hour	2.67(-0.76)	18.92(6.85)	2.75(1.31)
72 Hour	2.35(-0.63)	18.22(7.88)	2.59(1.26)

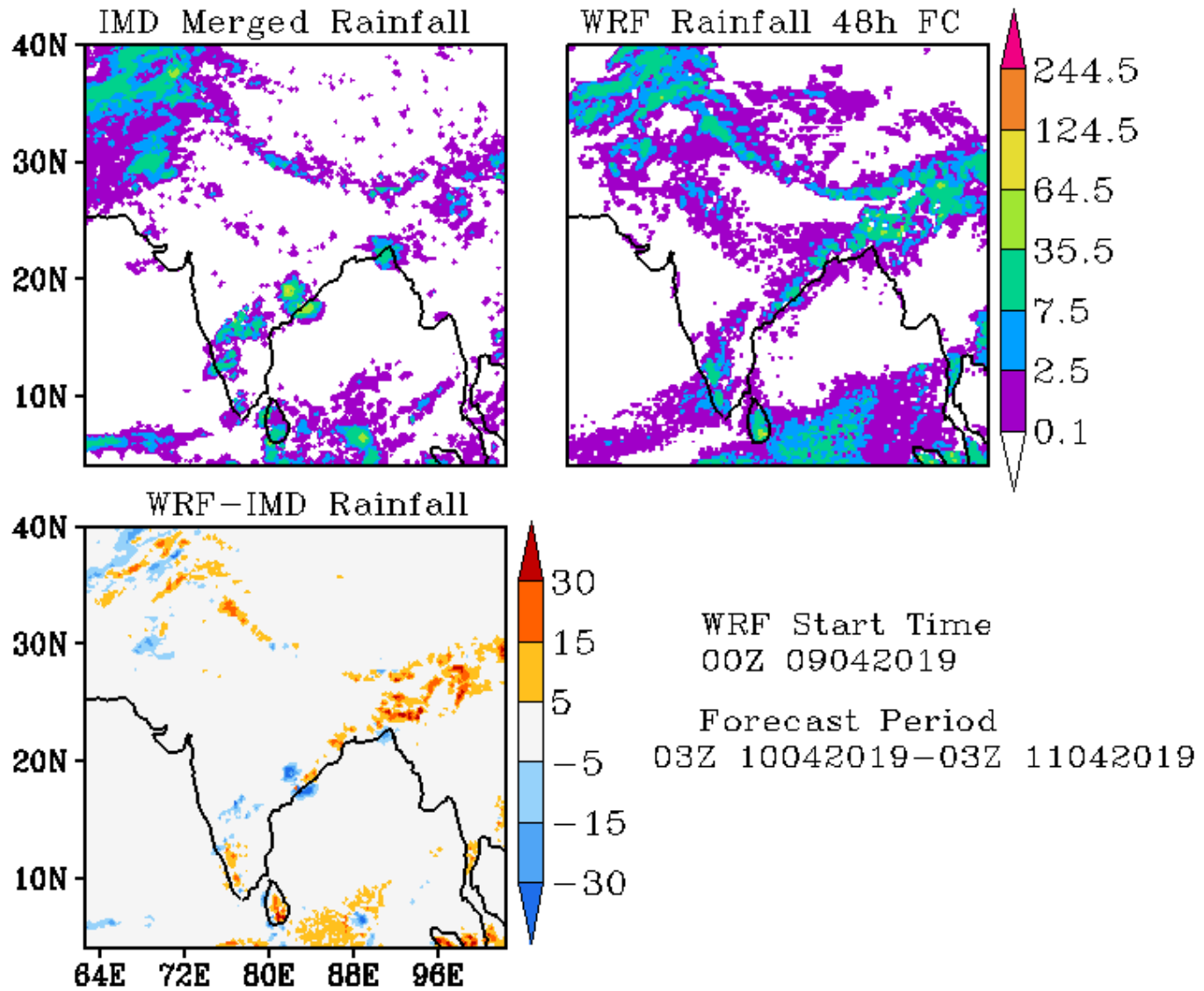


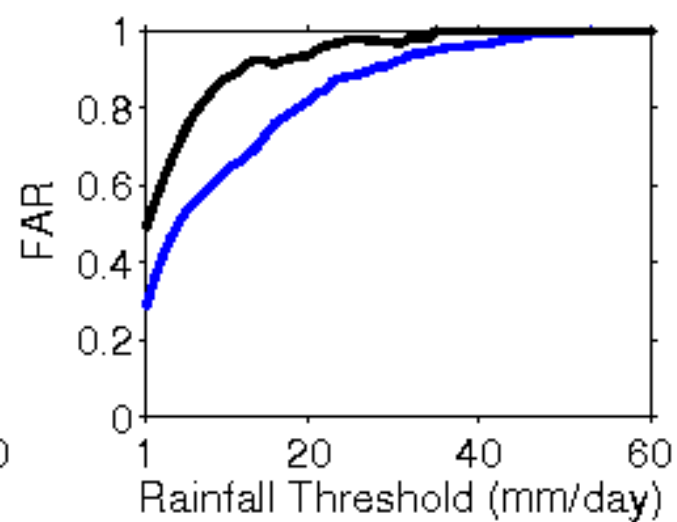
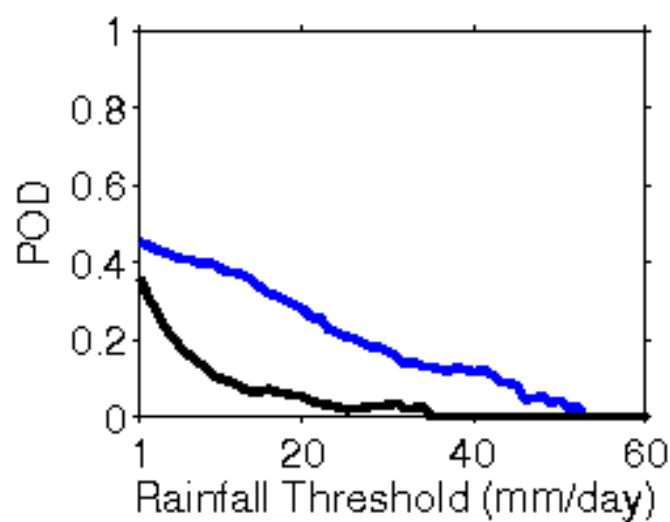
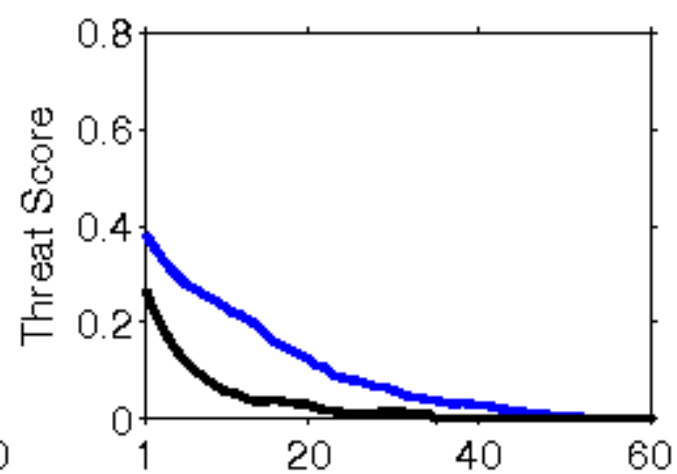
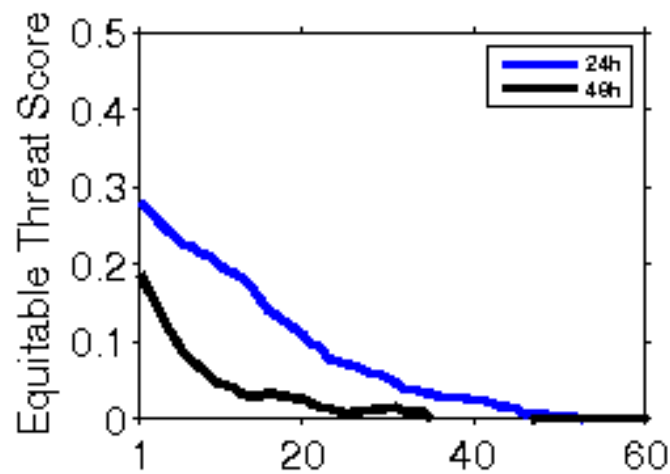


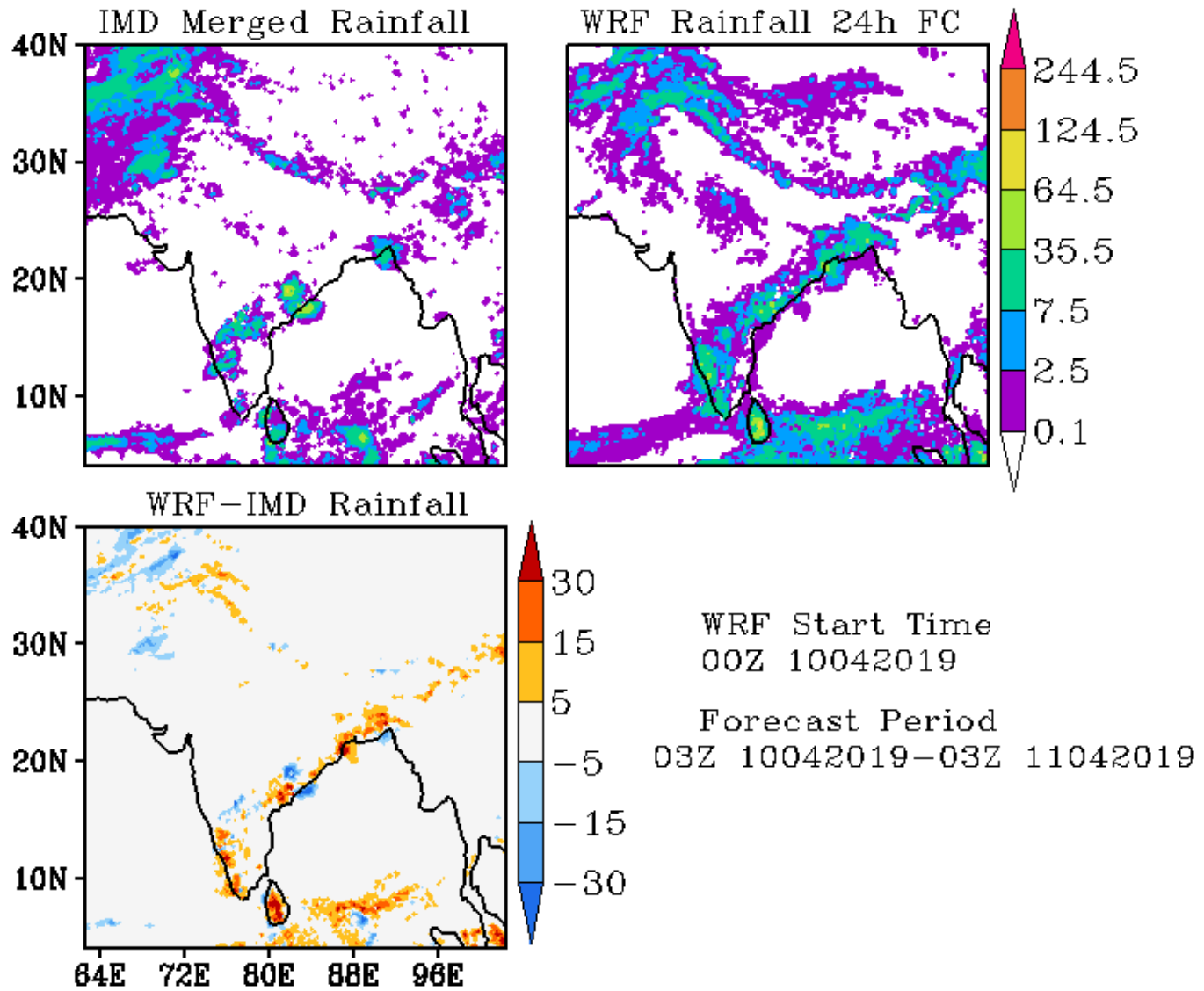
WRF Start Time
00Z 07042019

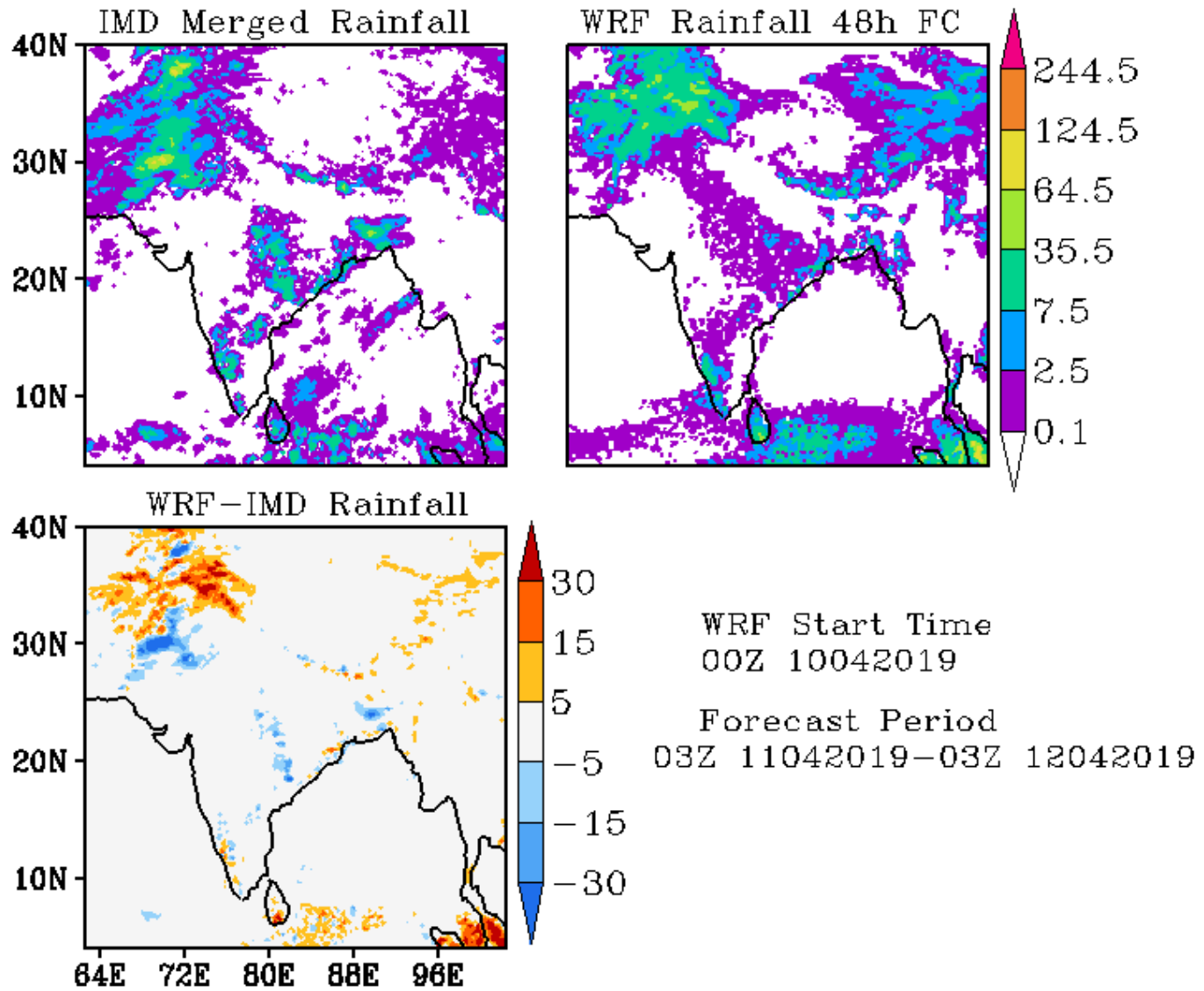
Forecast Period
03Z 08042019-03Z 09042019



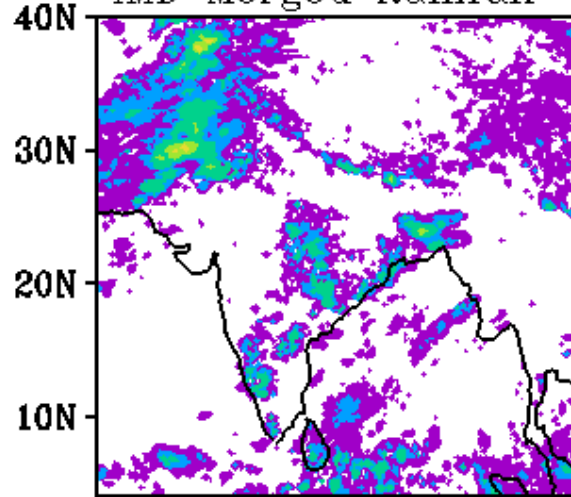




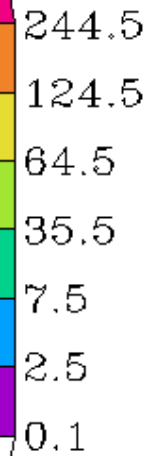
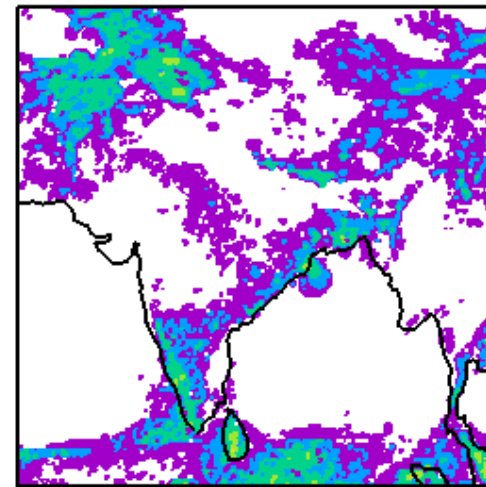




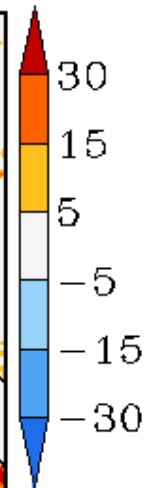
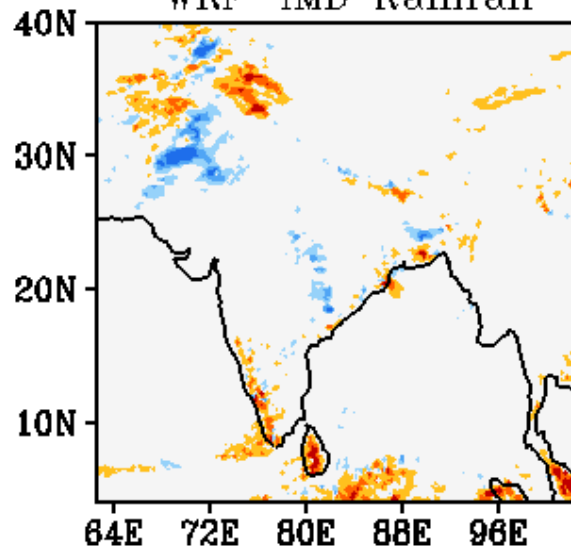
IMD Merged Rainfall



WRF Rainfall 24h FC

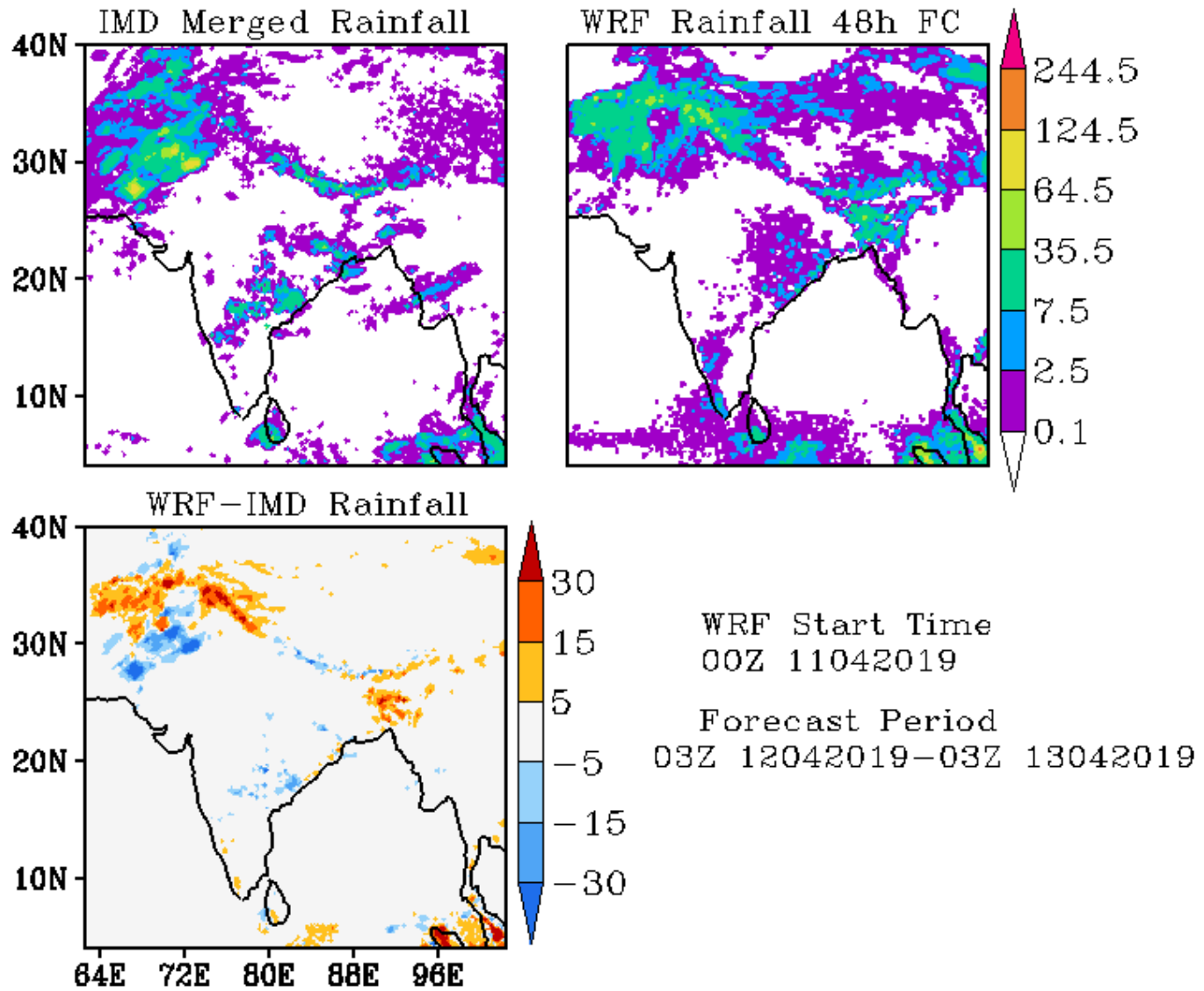


WRF-IMD Rainfall



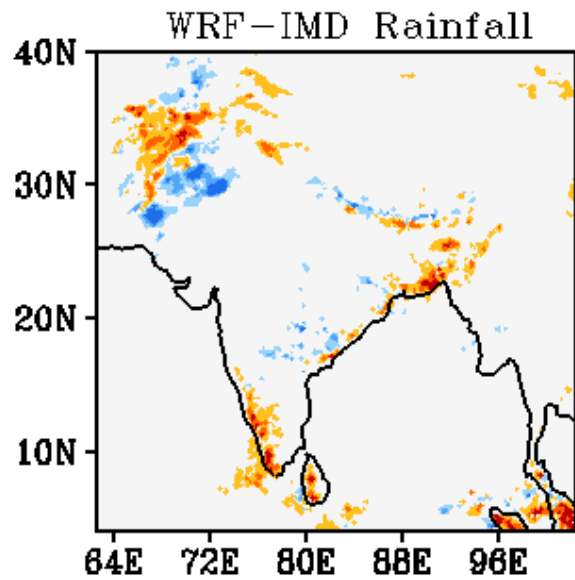
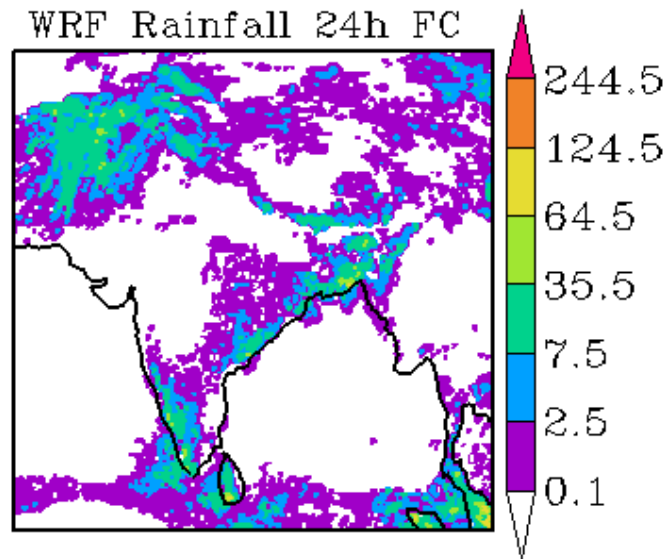
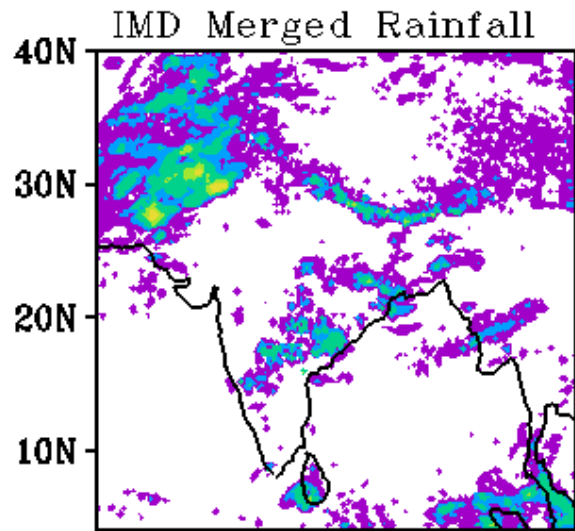
WRF Start Time
00Z 11042019

Forecast Period
03Z 11042019-03Z 12042019



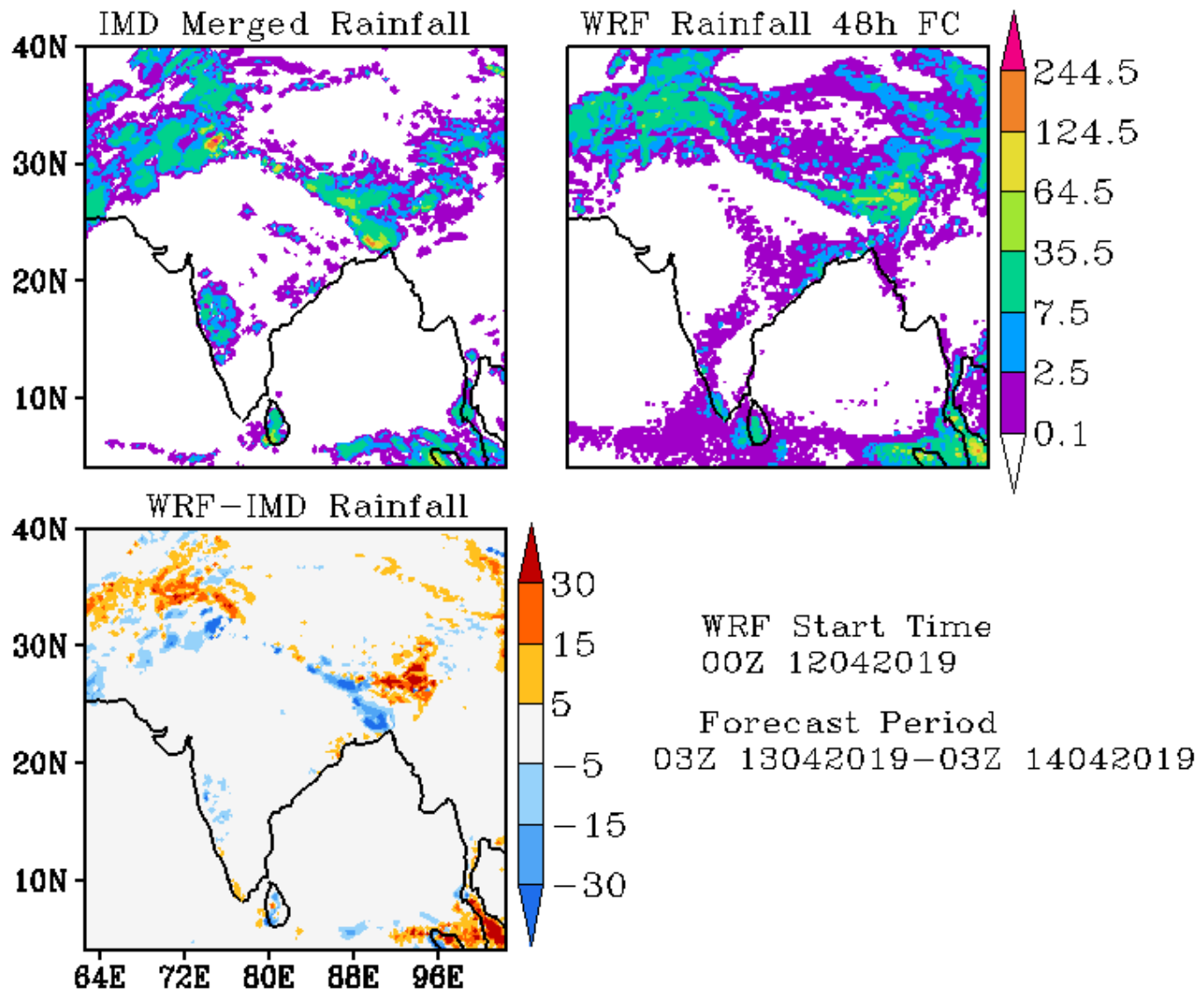
**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 12-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

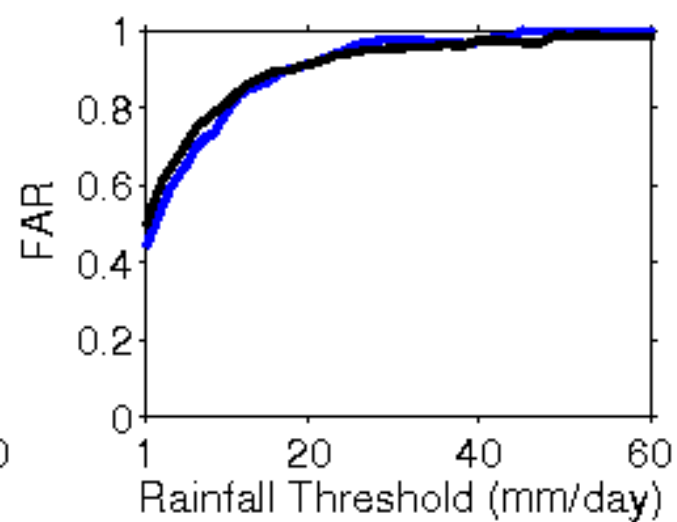
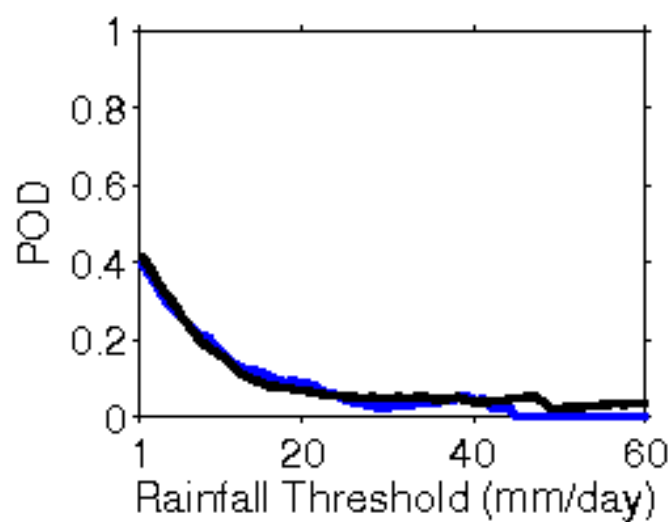
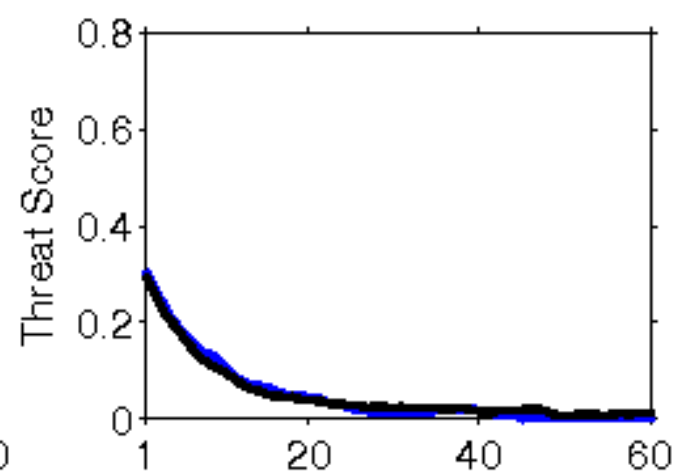
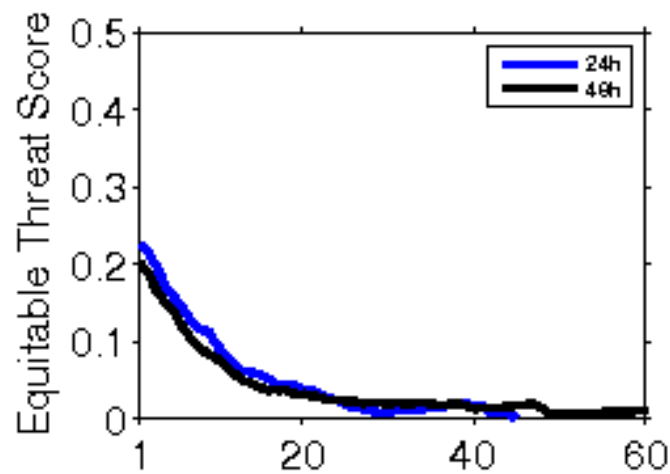
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.82(-0.71)	16.43(9.60)	2.22(1.29)
48 Hour	2.15(-0.49)	20.53(10.27)	2.34(1.43)
72 Hour	2.25(-0.27)	20.18(11.04)	2.37(1.38)



WRF Start Time
00Z 12042019

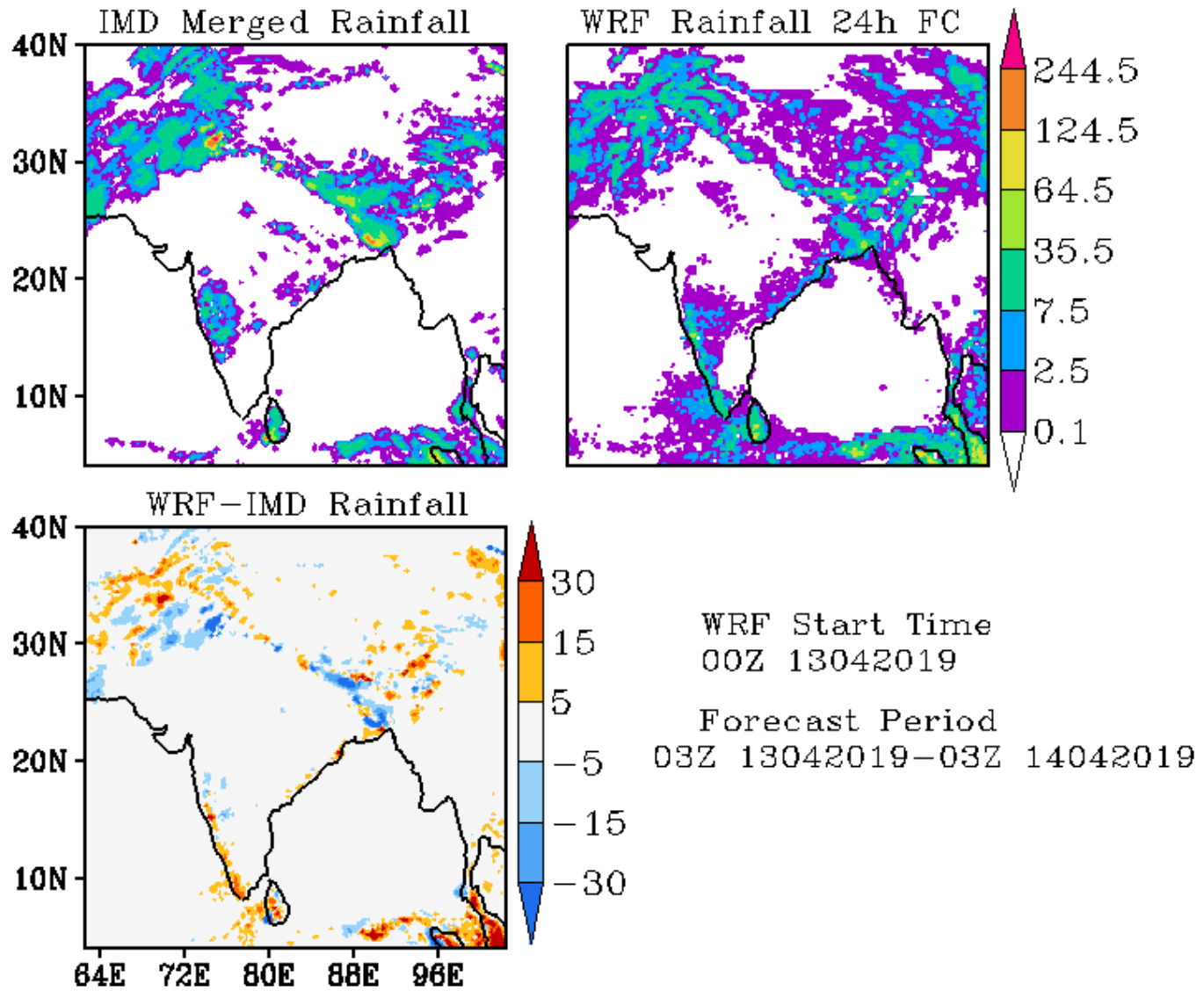
Forecast Period
03Z 12042019-03Z 13042019

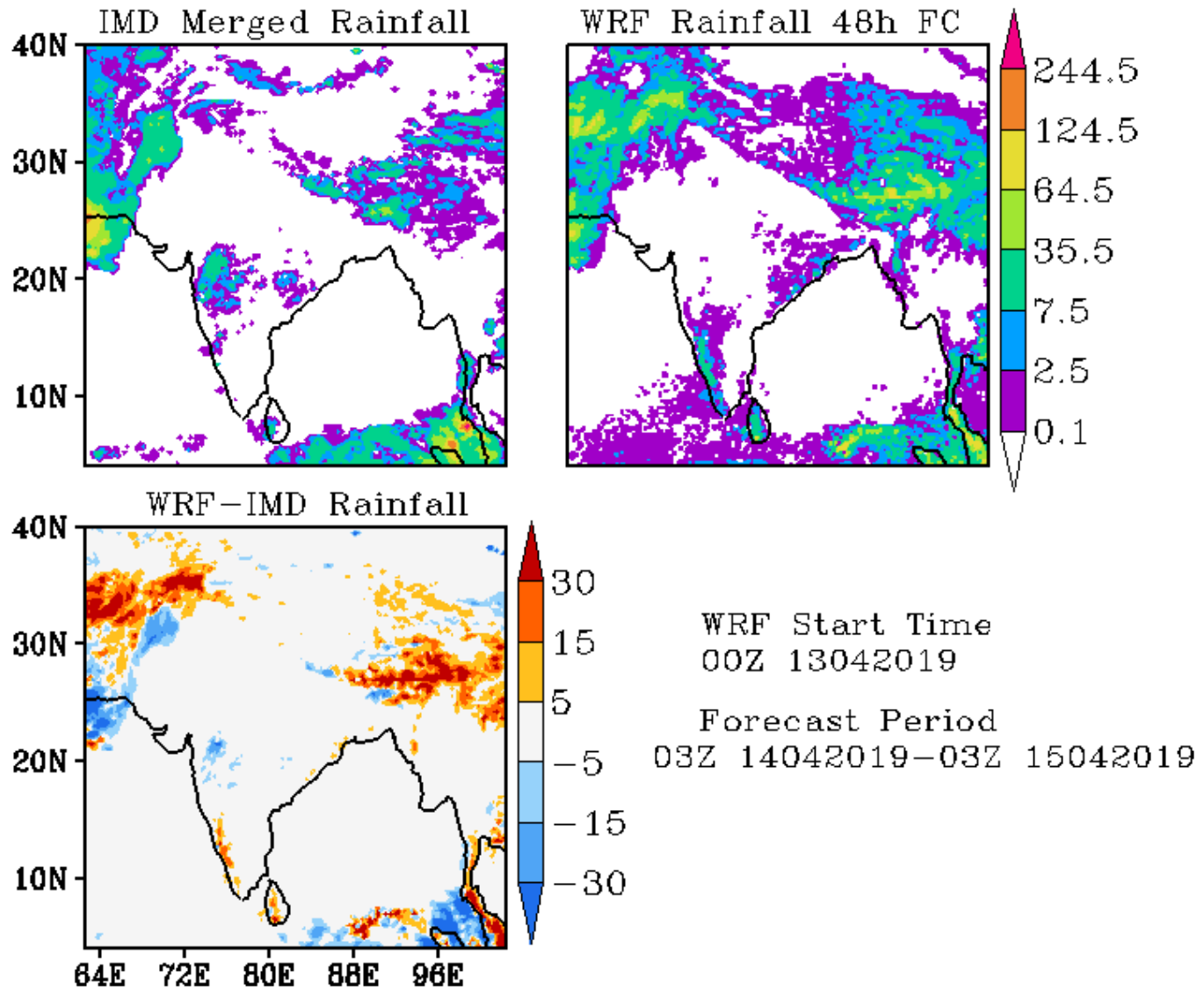


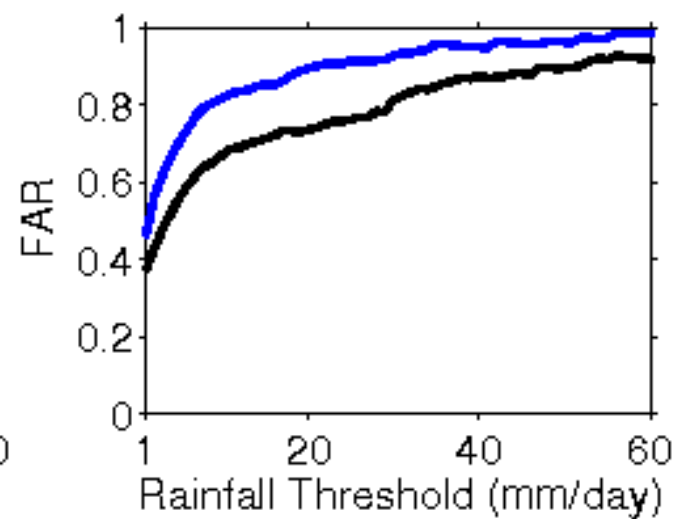
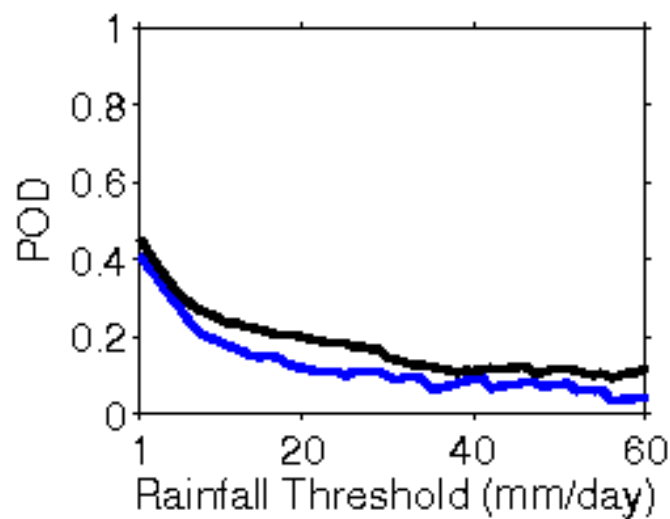
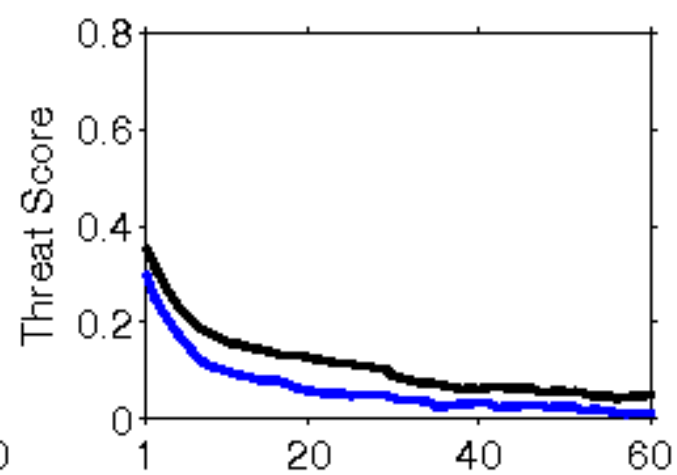
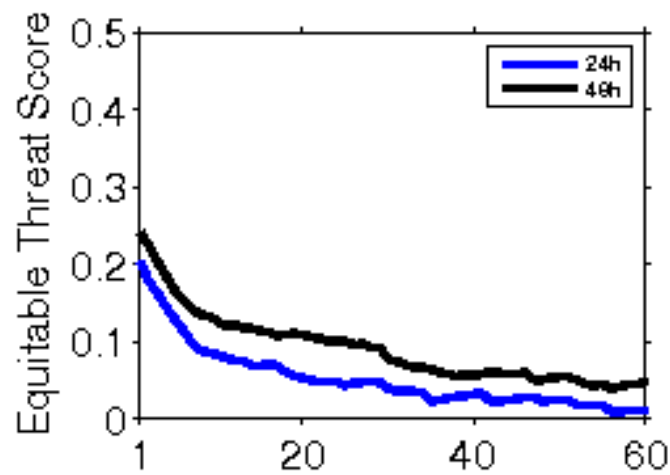


**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 13-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.94(-0.95)	16.56(10.98)	2.11(1.11)
48 Hour	1.89(-0.46)	16.97(9.54)	2.32(1.31)
72 Hour	1.96(-0.28)	18.10(8.50)	2.60(1.30)



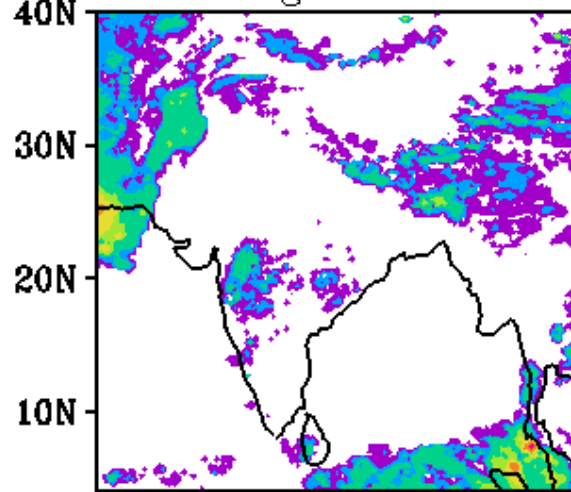




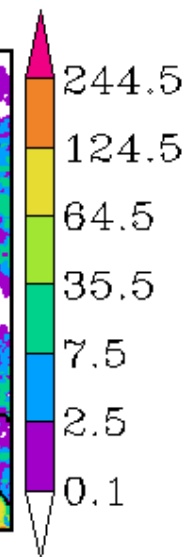
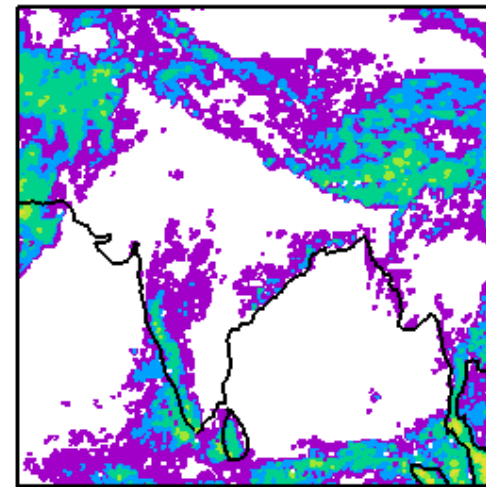
**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 14-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.89(-0.87)	16.05(9.59)	2.09(1.21)
48 Hour	1.92(-0.71)	16.76(9.72)	2.50(1.27)
72 Hour	2.56(-0.46)	18.36(7.63)	2.84(1.23)

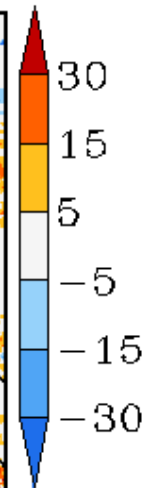
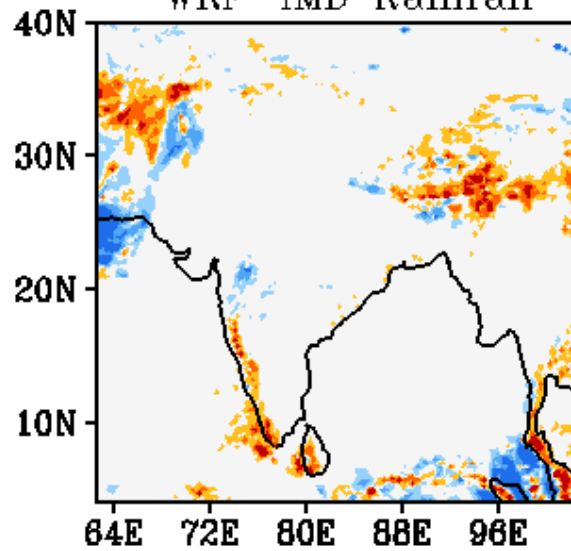
IMD Merged Rainfall



WRF Rainfall 24h FC

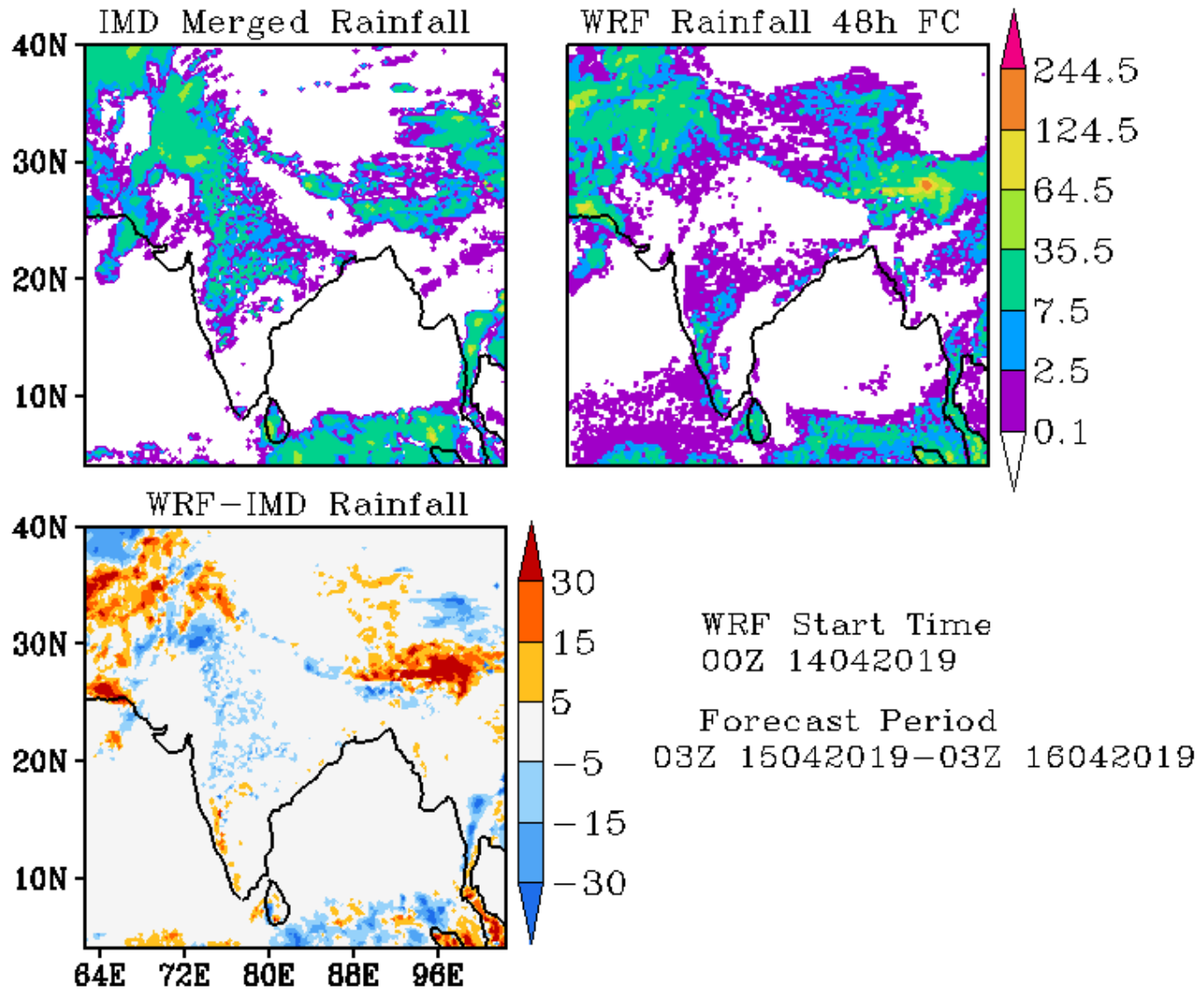


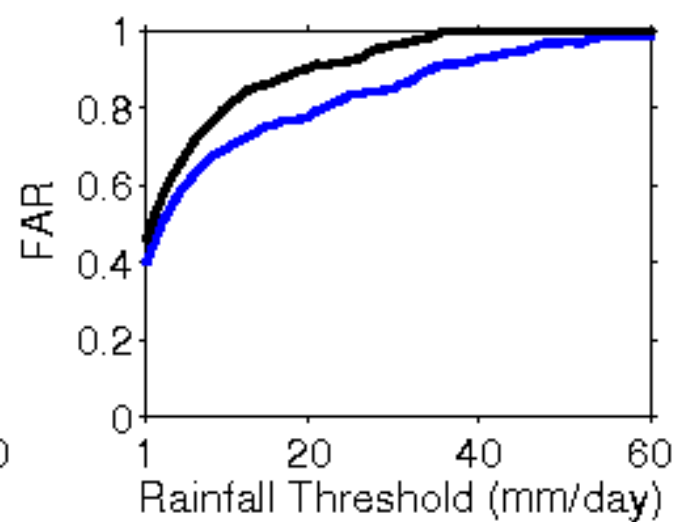
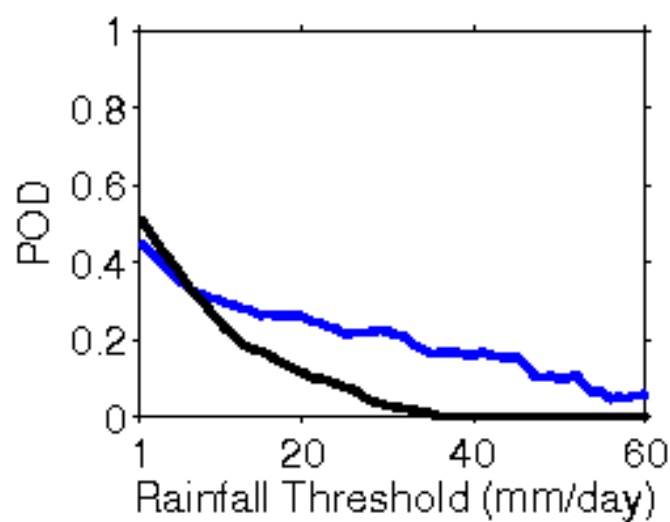
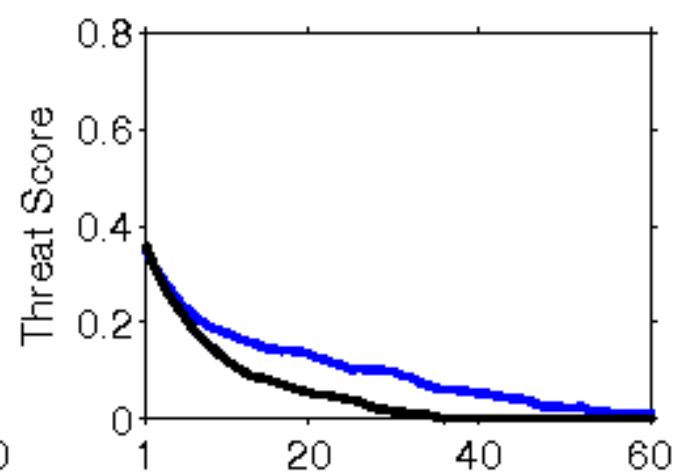
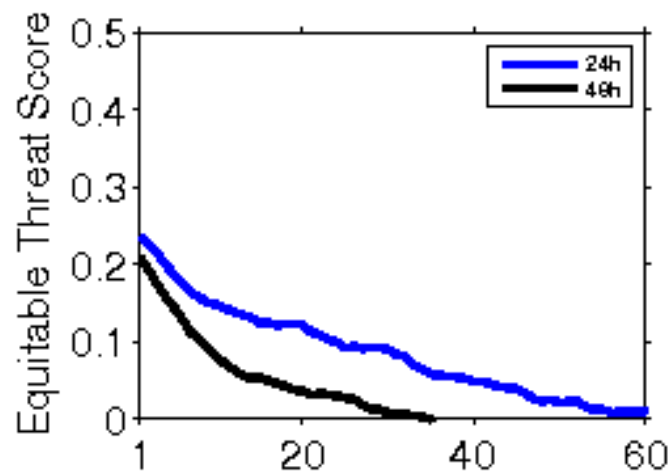
WRF-IMD Rainfall



WRF Start Time
00Z 14042019

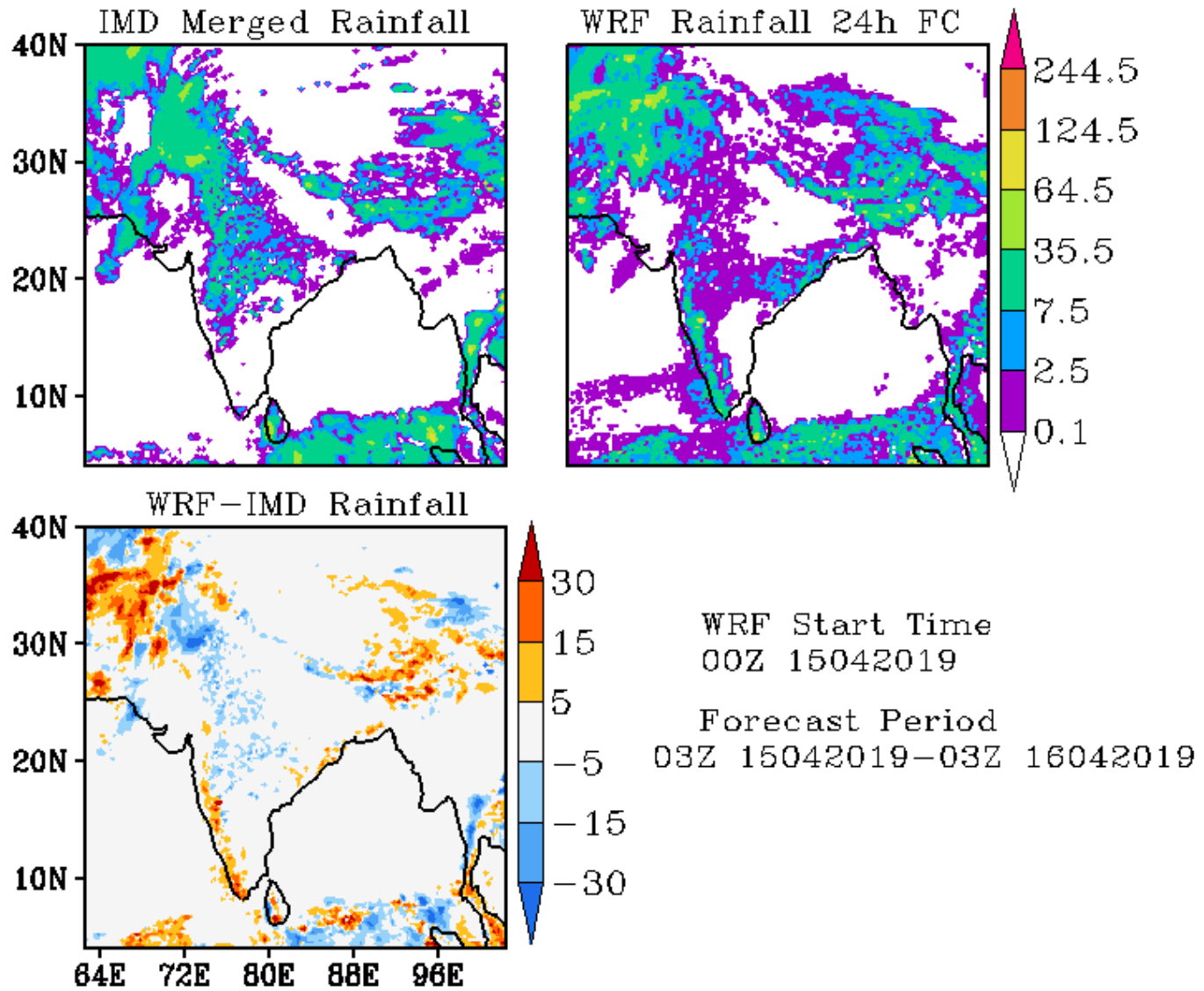
Forecast Period
03Z 14042019-03Z 15042019

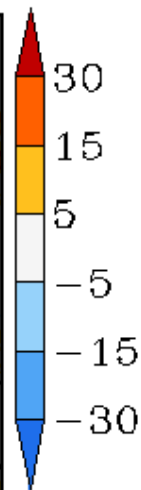
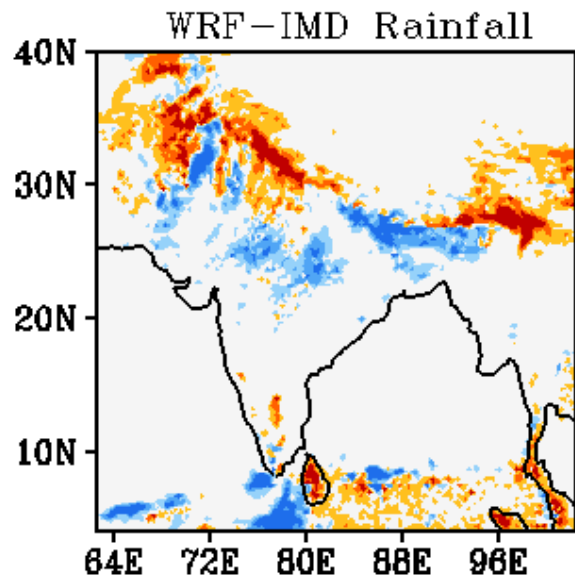
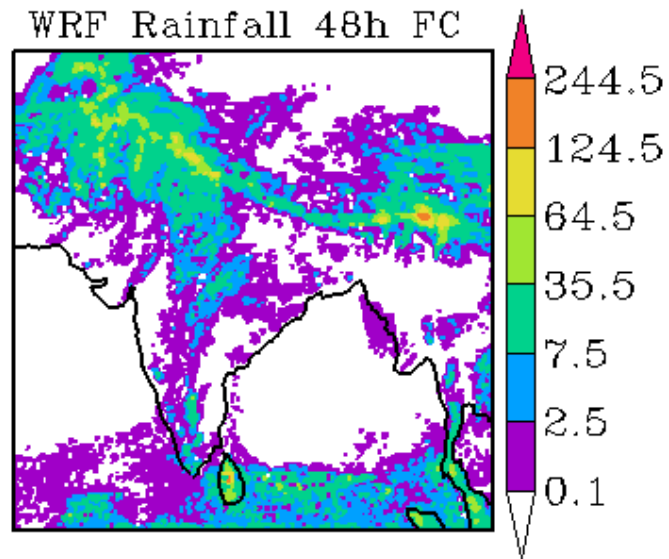
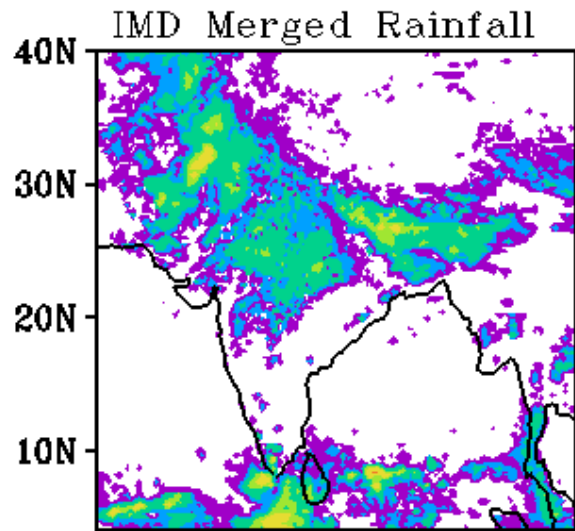




**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 15-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.67(-0.70)	14.59(8.29)	2.17(1.15)
48 Hour	2.70(-0.57)	18.45(8.20)	2.81(1.22)
72 Hour	3.54(-0.42)	22.13(7.66)	2.89(1.27)



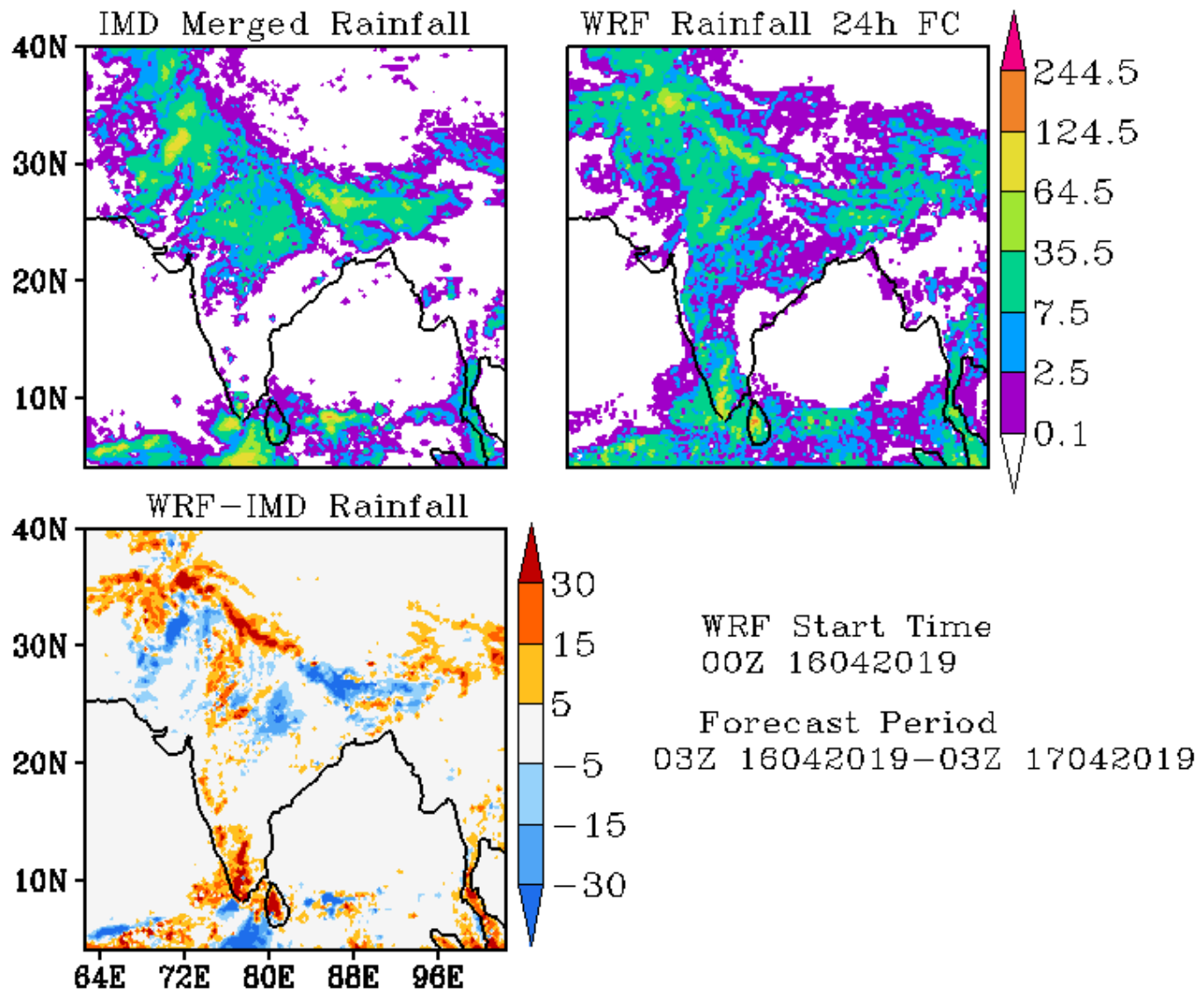


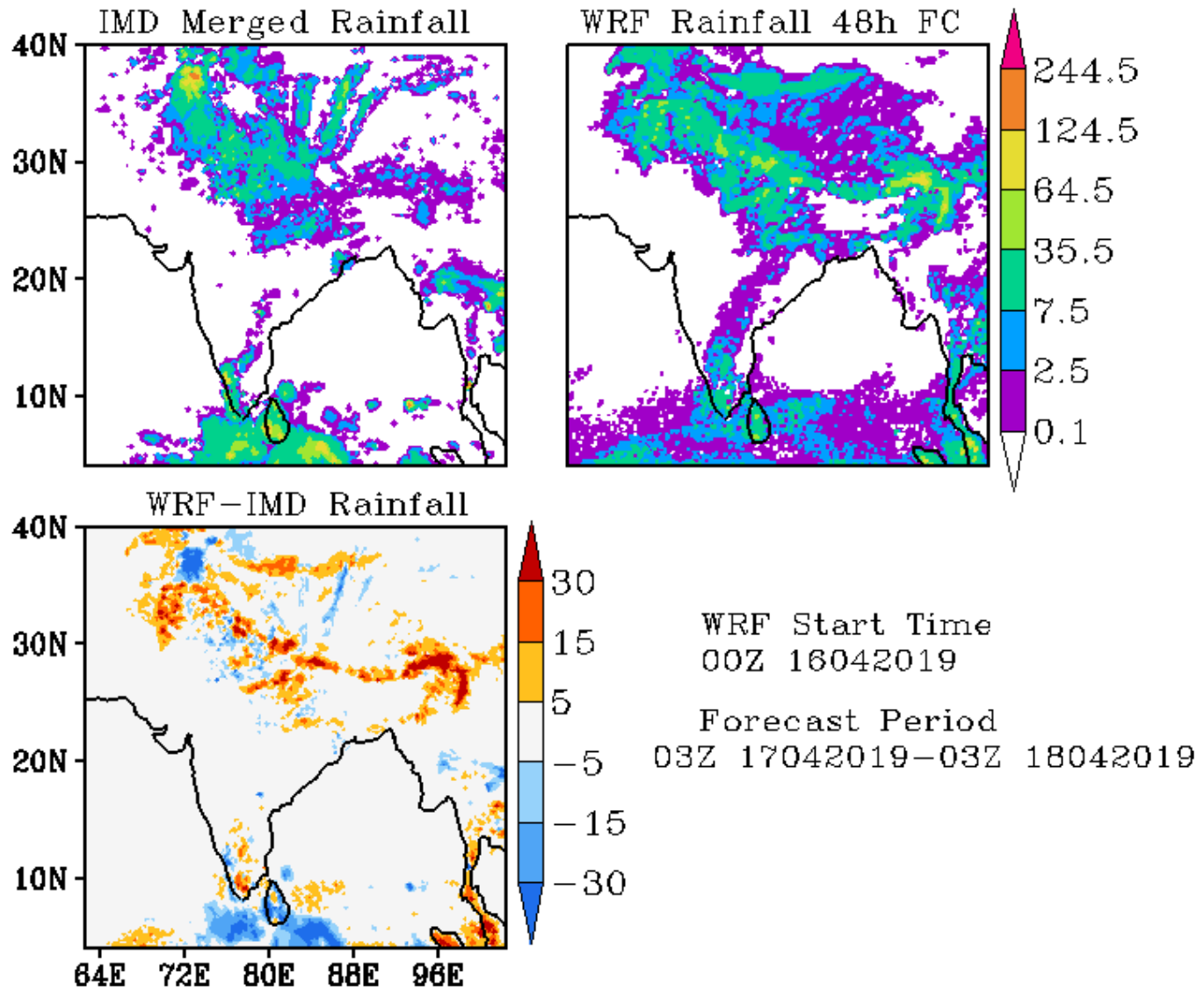
WRF Start Time
00Z 15042019

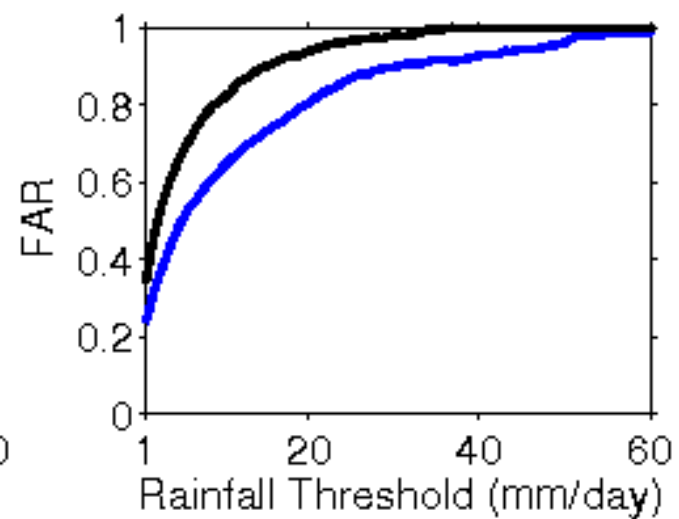
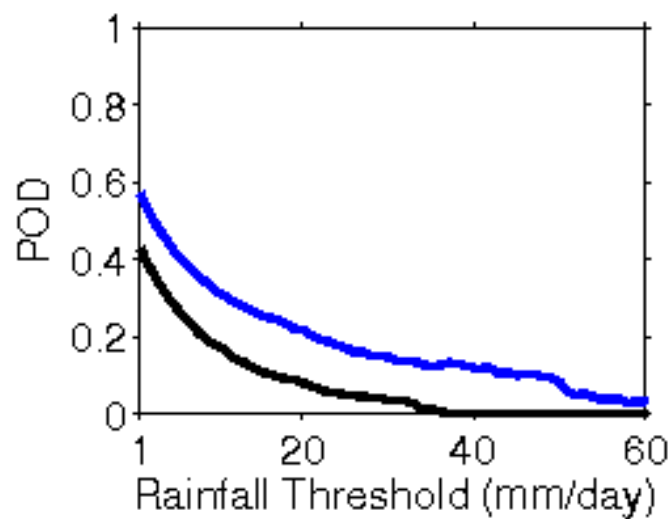
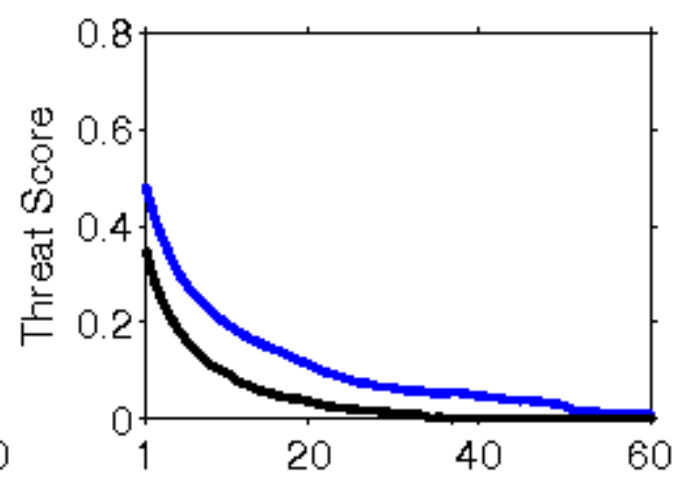
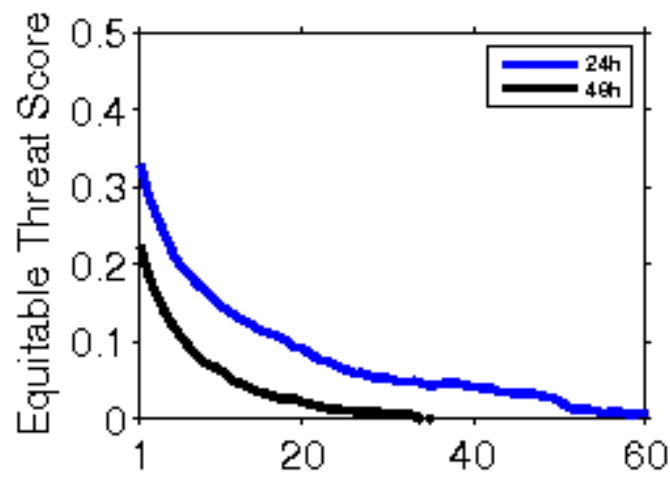
Forecast Period
03Z 16042019-03Z 17042019

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 16-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.70(-0.59)	14.43(7.76)	2.41(1.13)
48 Hour	2.71(-0.34)	18.57(7.72)	2.74(1.45)
72 Hour	3.16(0.03)	19.90(6.89)	2.52(1.47)

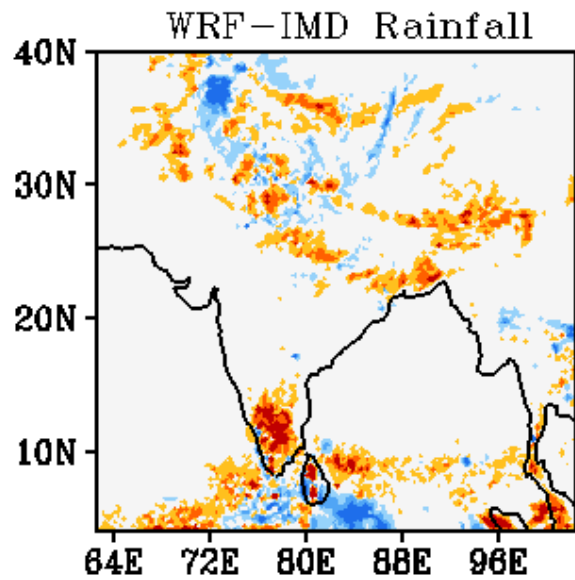
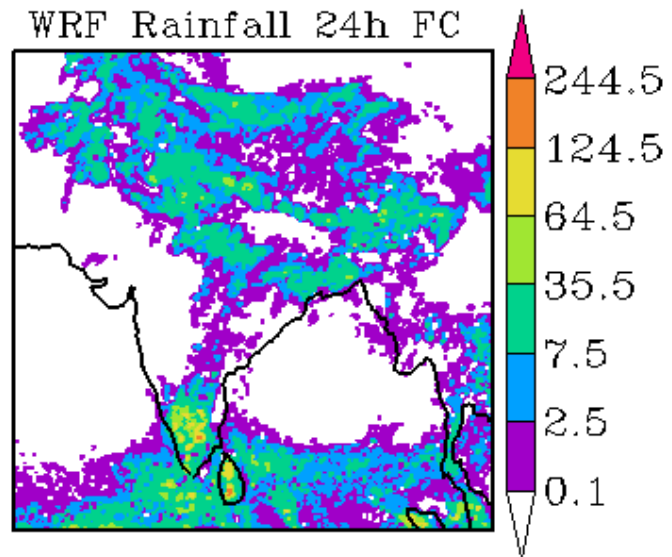
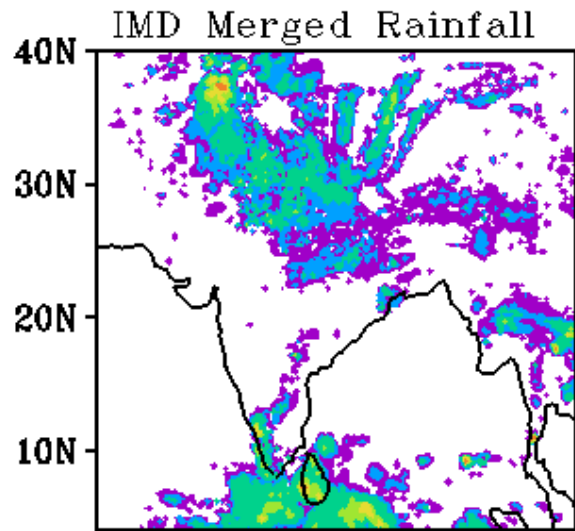






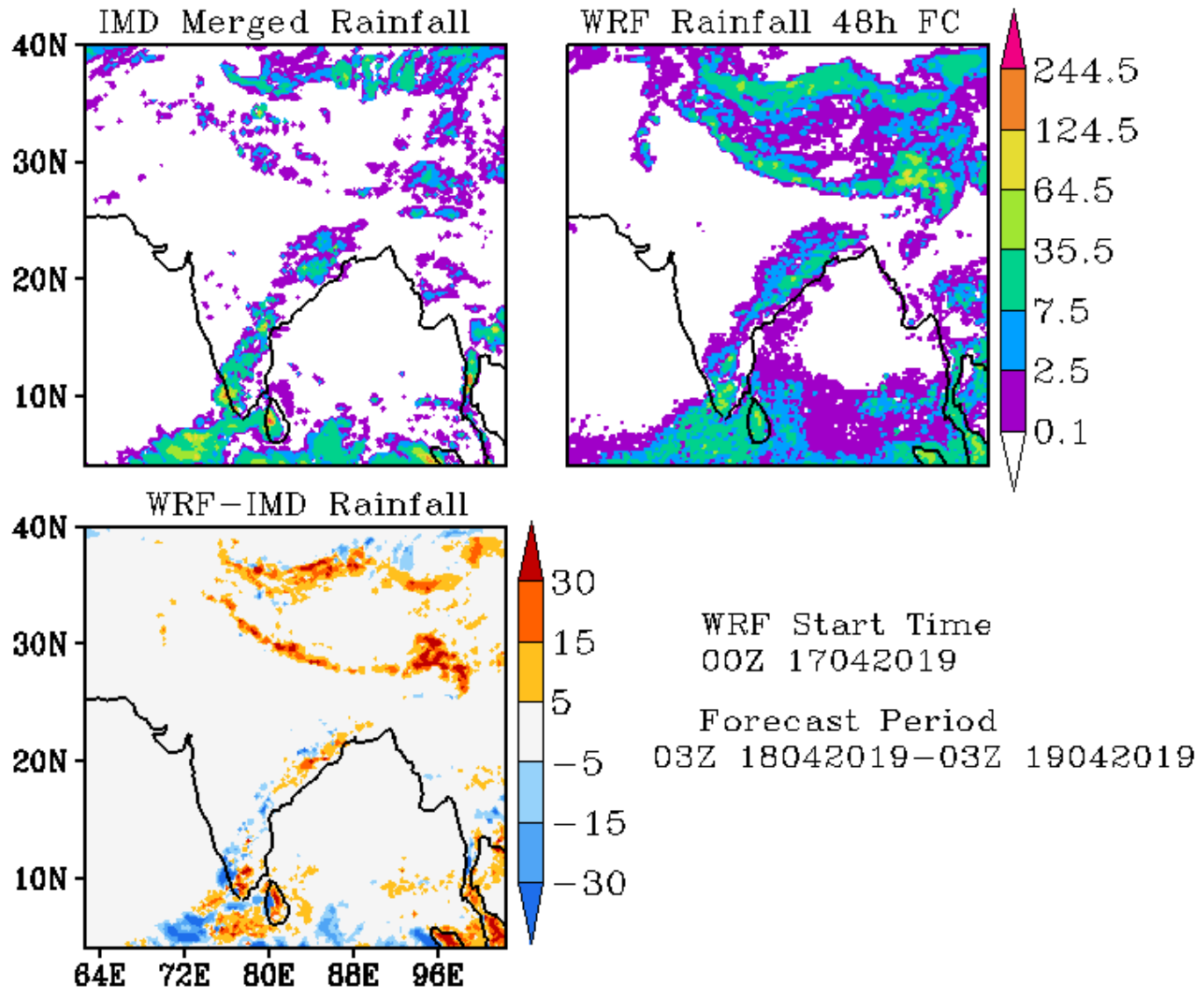
**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 17-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

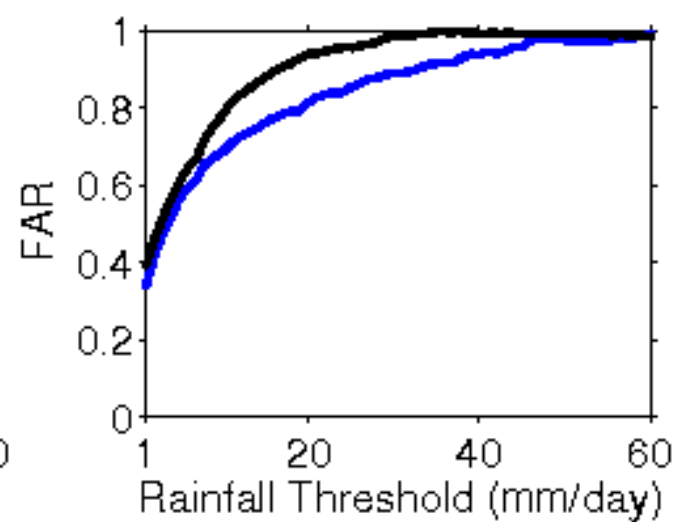
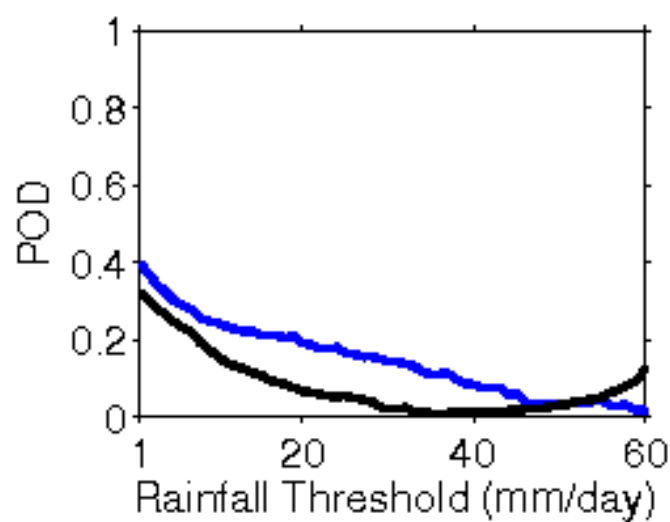
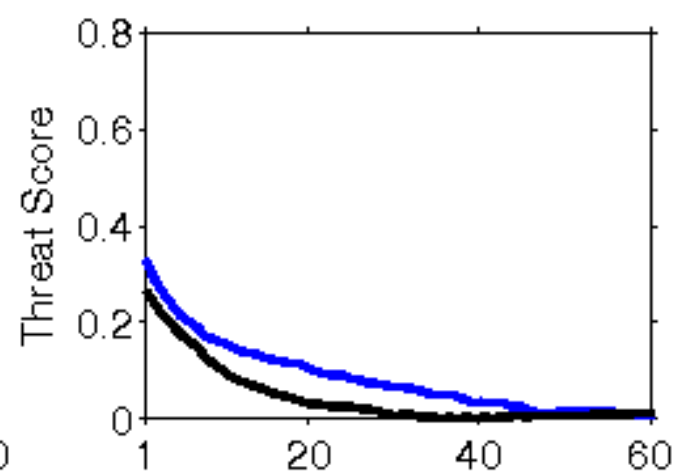
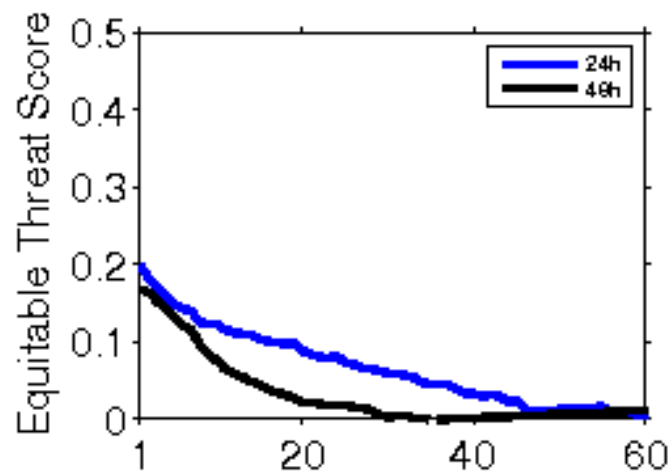
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.77(-0.64)	14.90(9.01)	2.29(0.81)
48 Hour	2.64(-0.33)	19.68(7.38)	2.25(1.24)
72 Hour	2.57(-0.23)	23.48(7.26)	2.64(1.18)



WRF Start Time
00Z 17042019

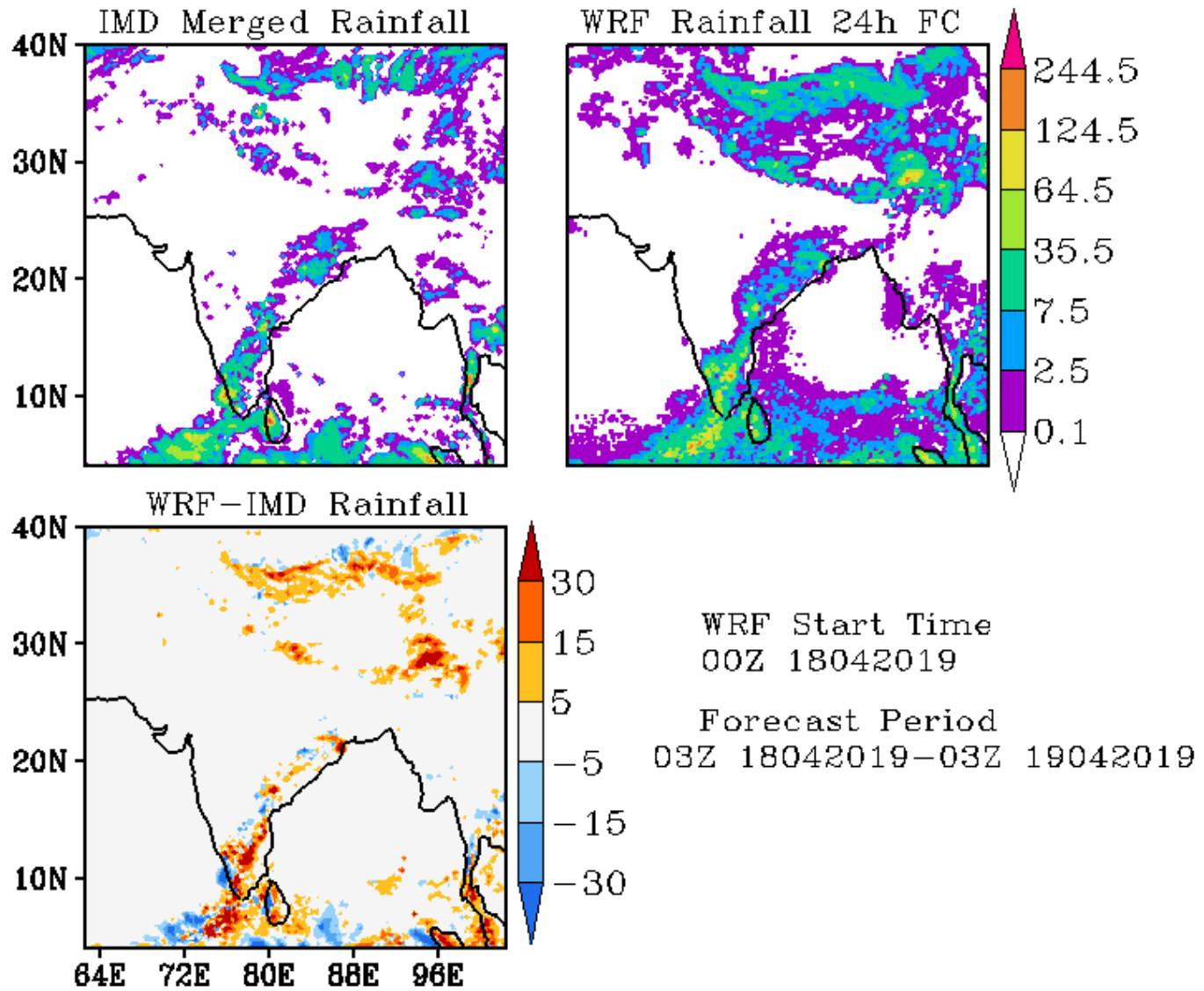
Forecast Period
03Z 17042019-03Z 18042019

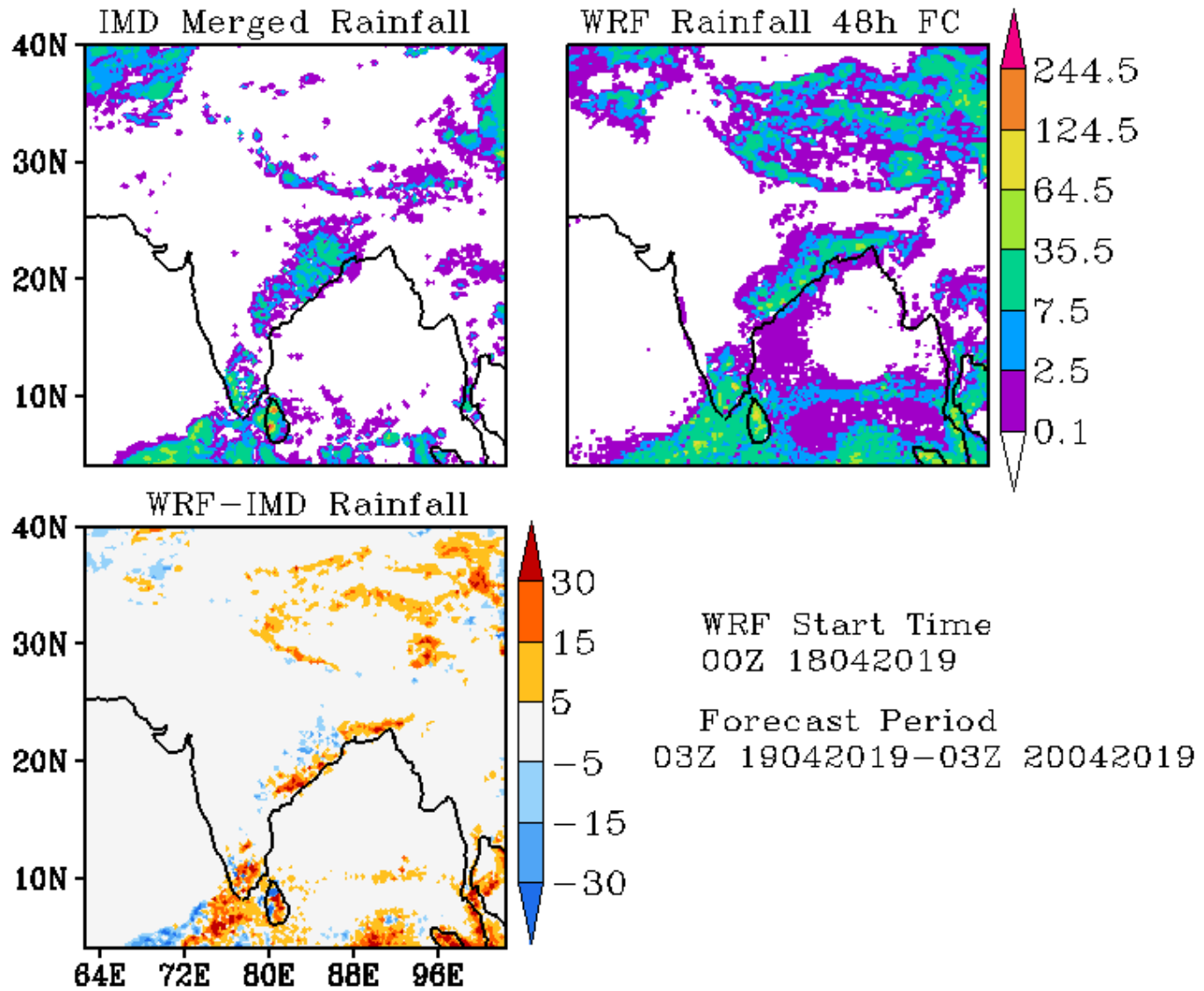


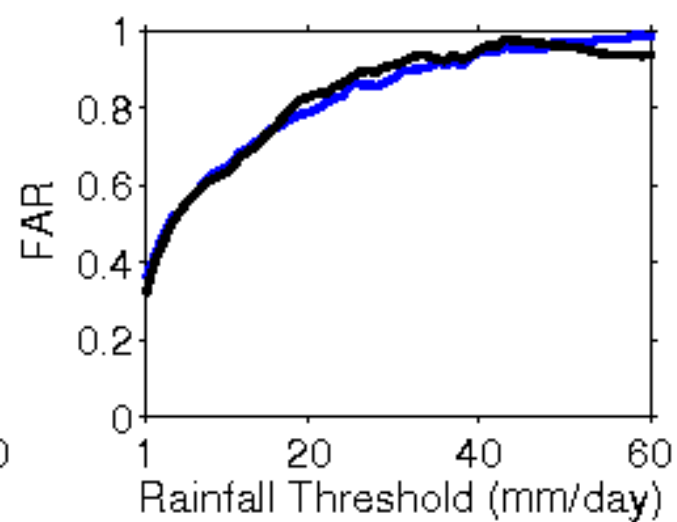
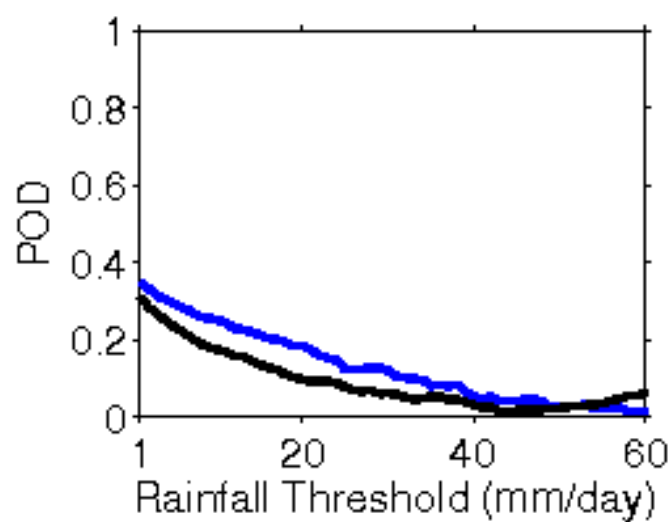
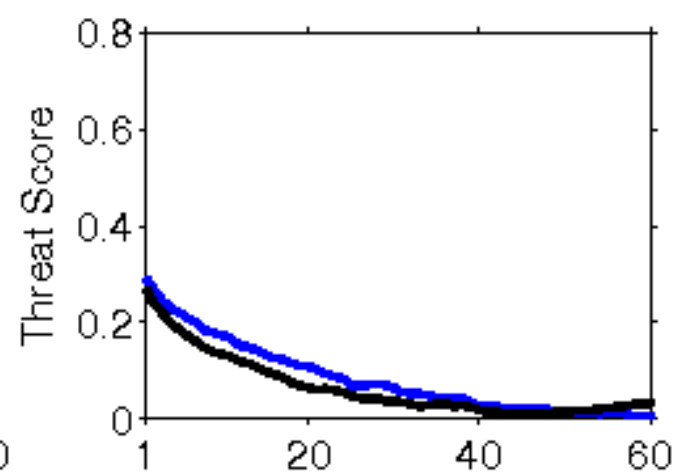
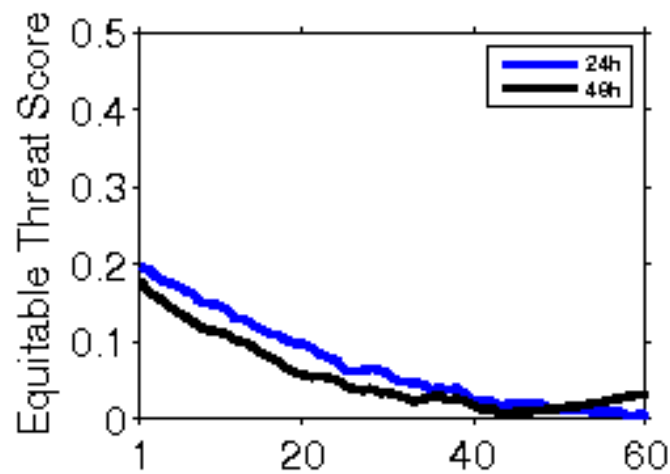


**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 18-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.85(-0.82)	14.92(8.76)	2.09(0.83)
48 Hour	2.28(-0.75)	19.95(6.90)	2.51(0.92)
72 Hour	2.91(-0.48)	23.00(4.98)	2.58(1.05)

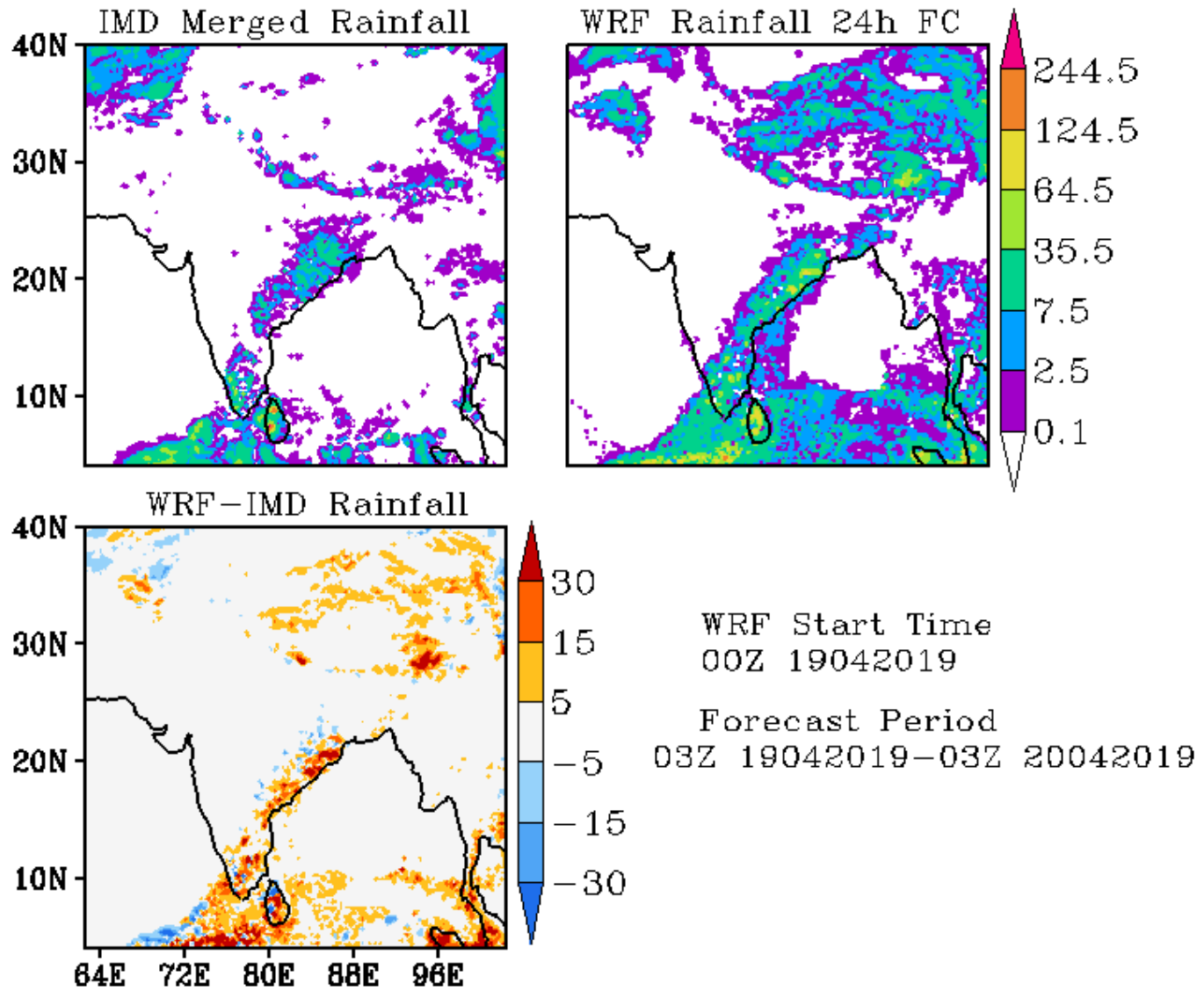


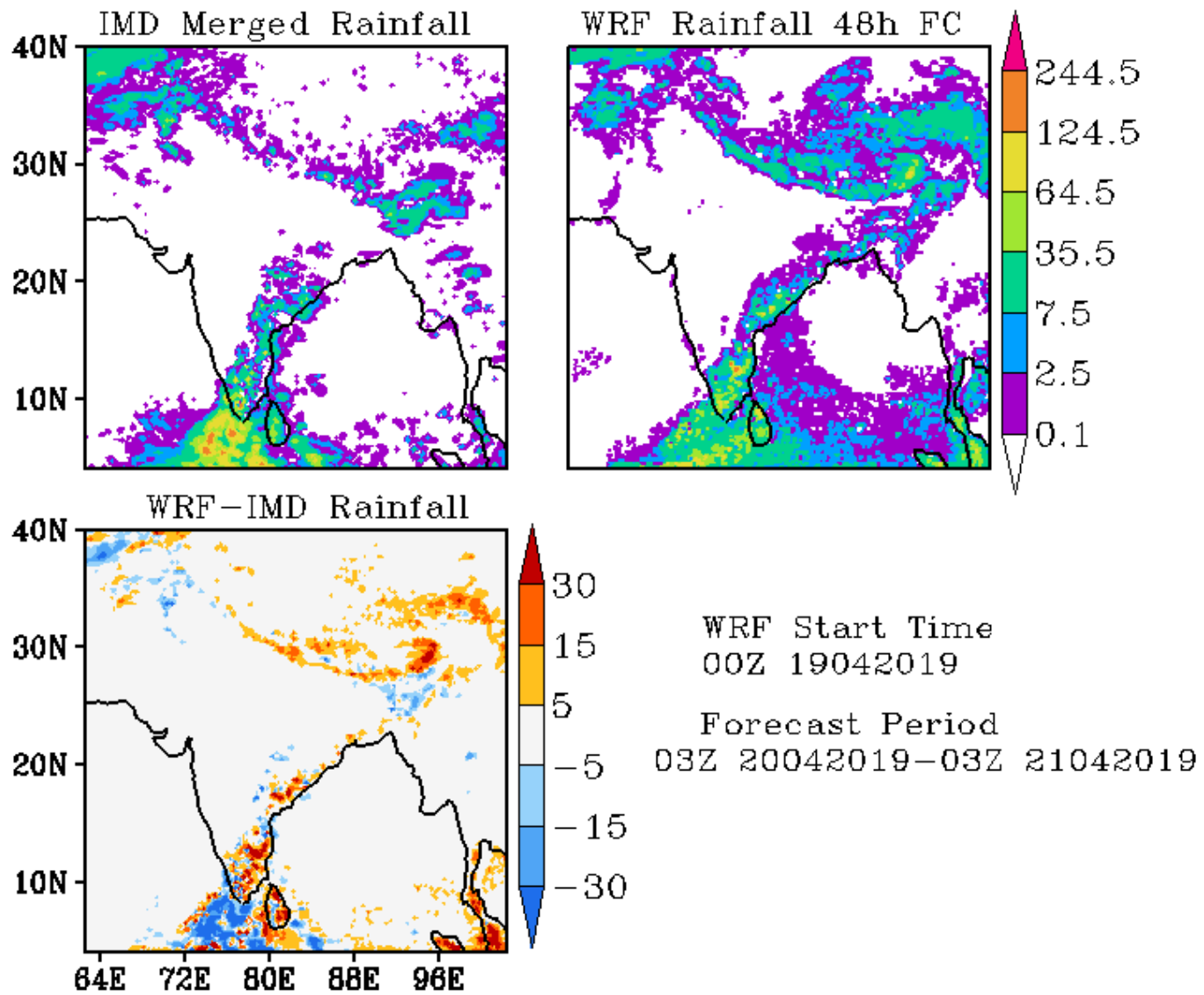


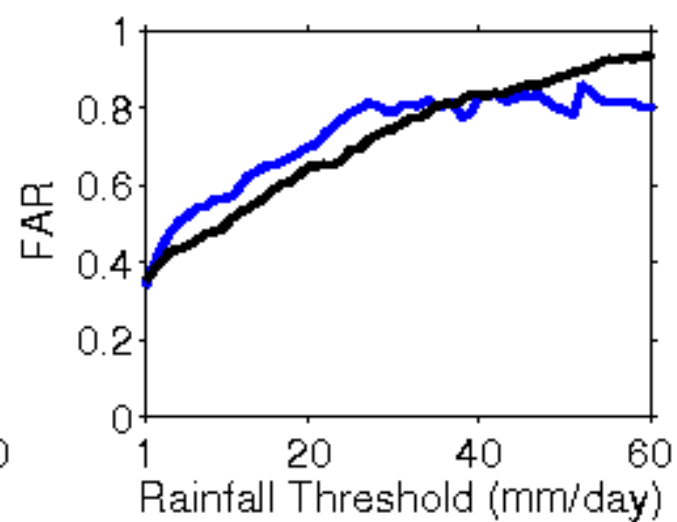
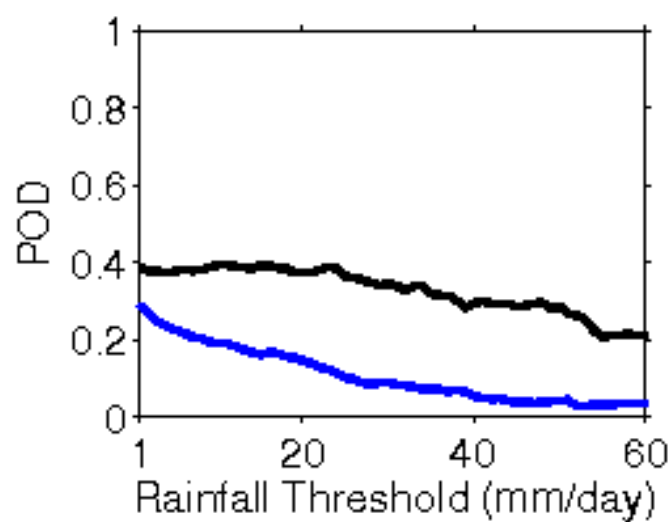
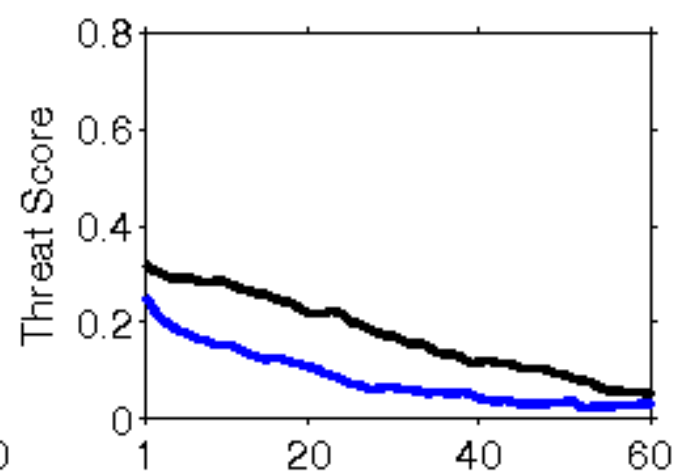
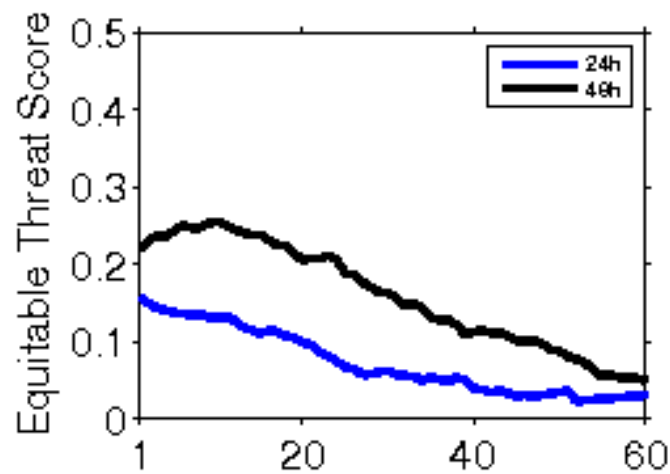


**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 19-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.74(-0.69)	14.16(6.09)	2.26(1.24)
48 Hour	2.24(-0.44)	17.27(6.20)	2.34(1.10)
72 Hour	2.55(-0.42)	20.11(5.50)	2.52(1.25)

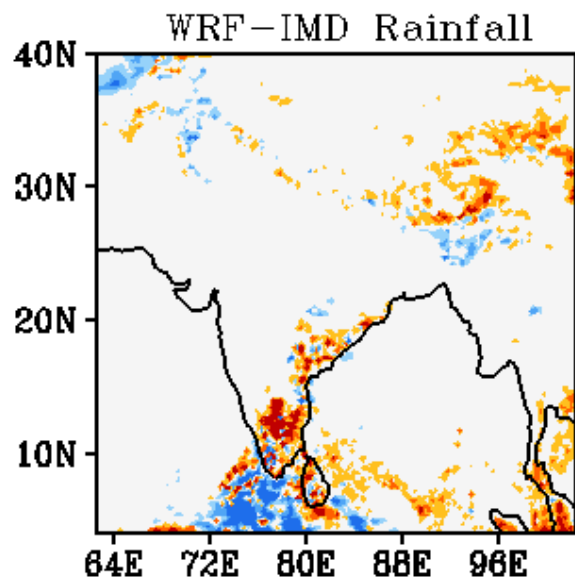
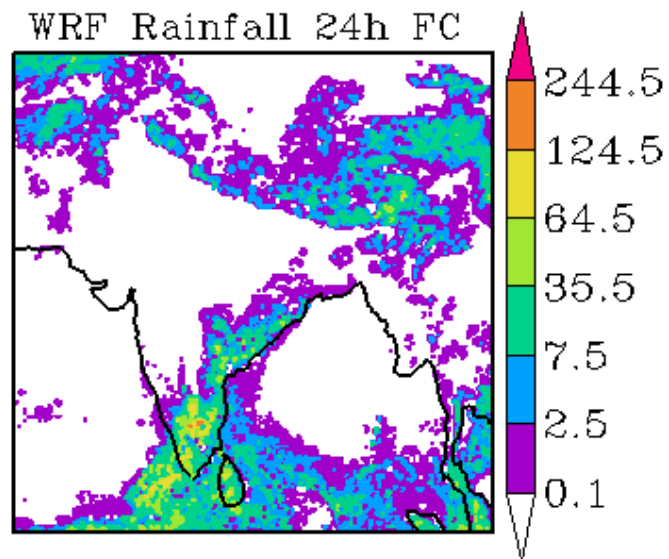
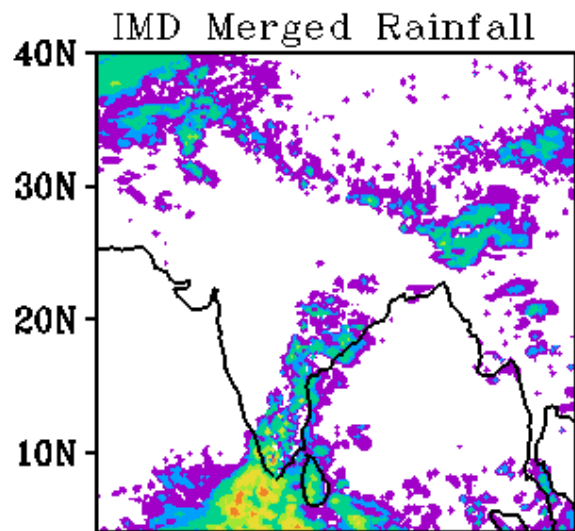






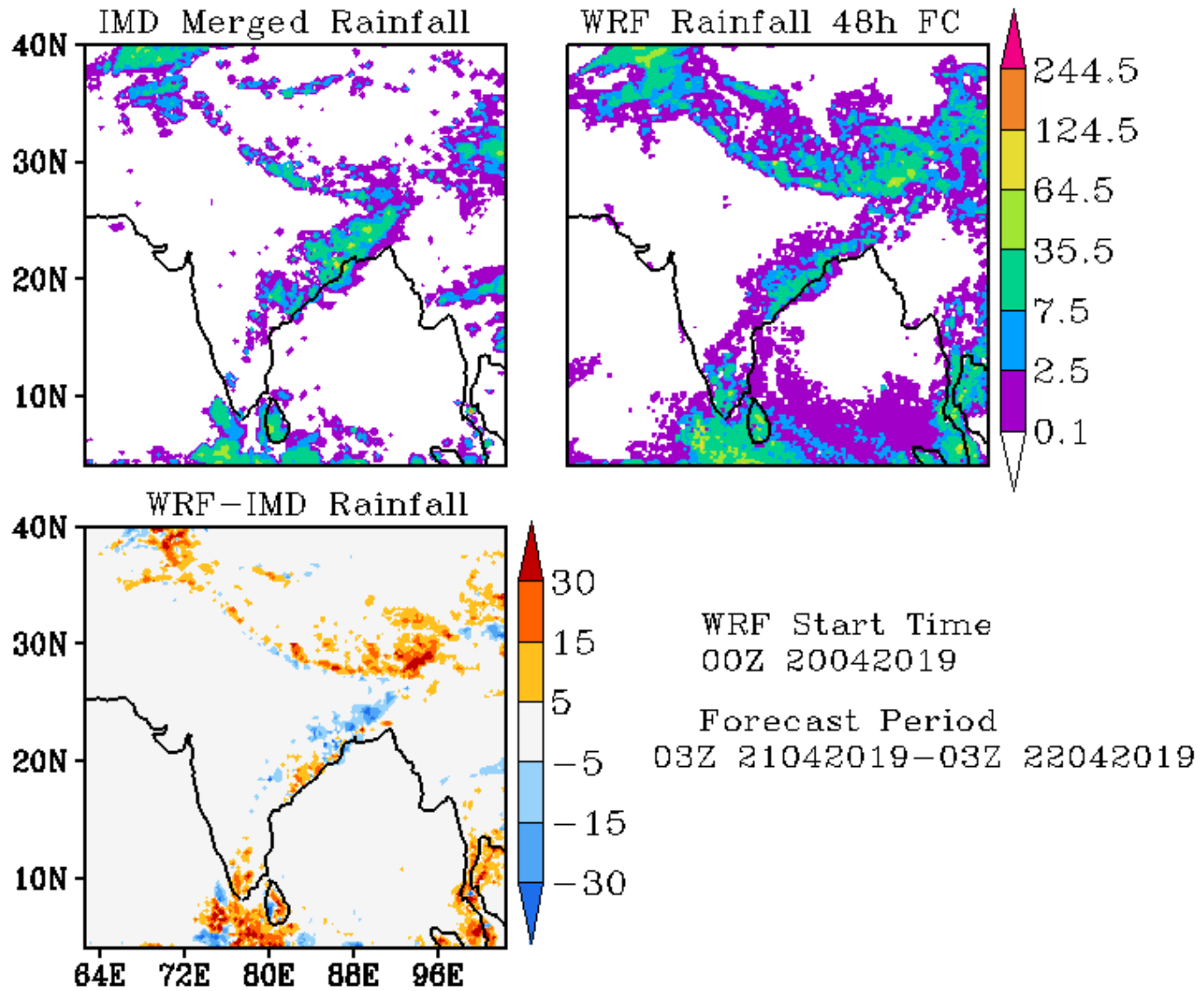
**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 20-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

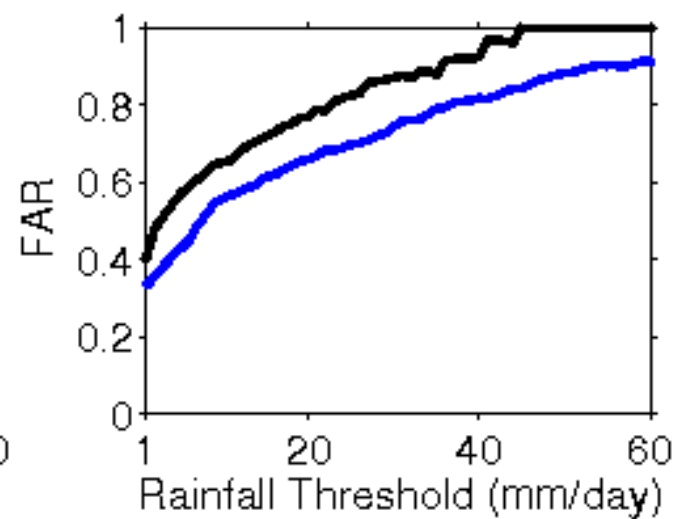
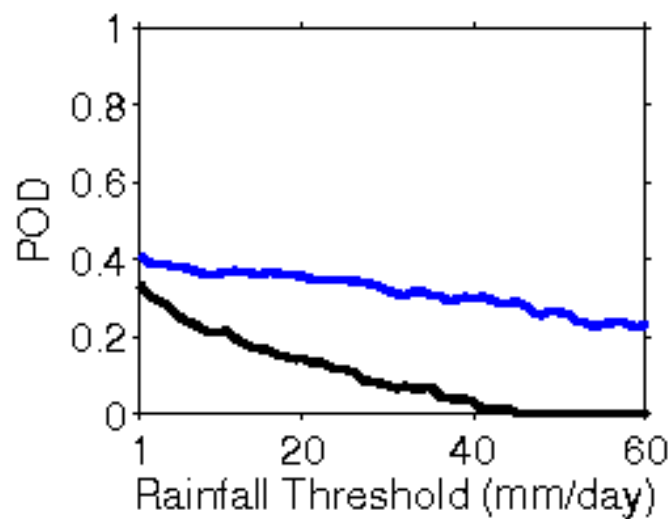
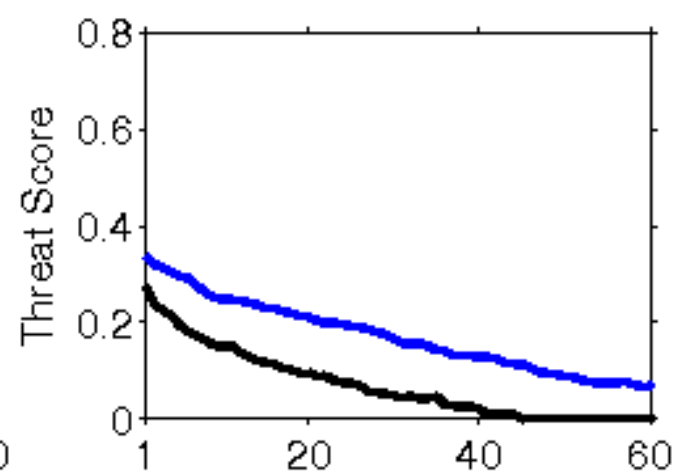
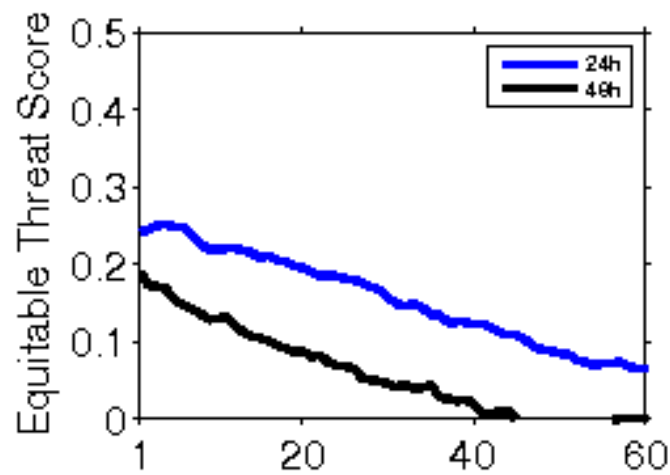
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.73(-0.73)	13.33(7.59)	2.12(1.32)
48 Hour	2.01(-0.42)	16.81(6.93)	2.34(1.27)
72 Hour	2.43(-0.07)	18.66(7.53)	2.42(1.27)



WRF Start Time
00Z 20042019

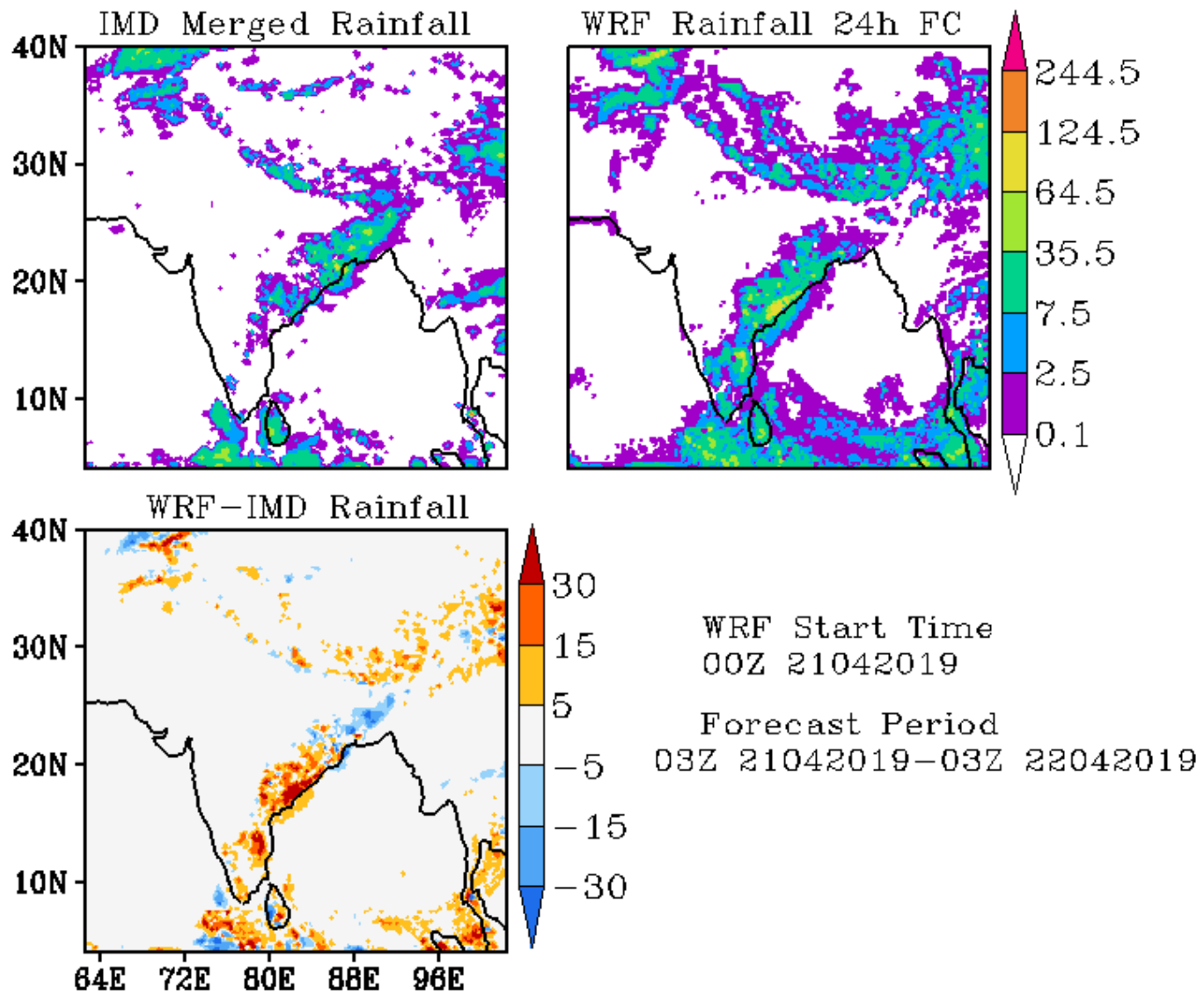
Forecast Period
03Z 20042019-03Z 21042019

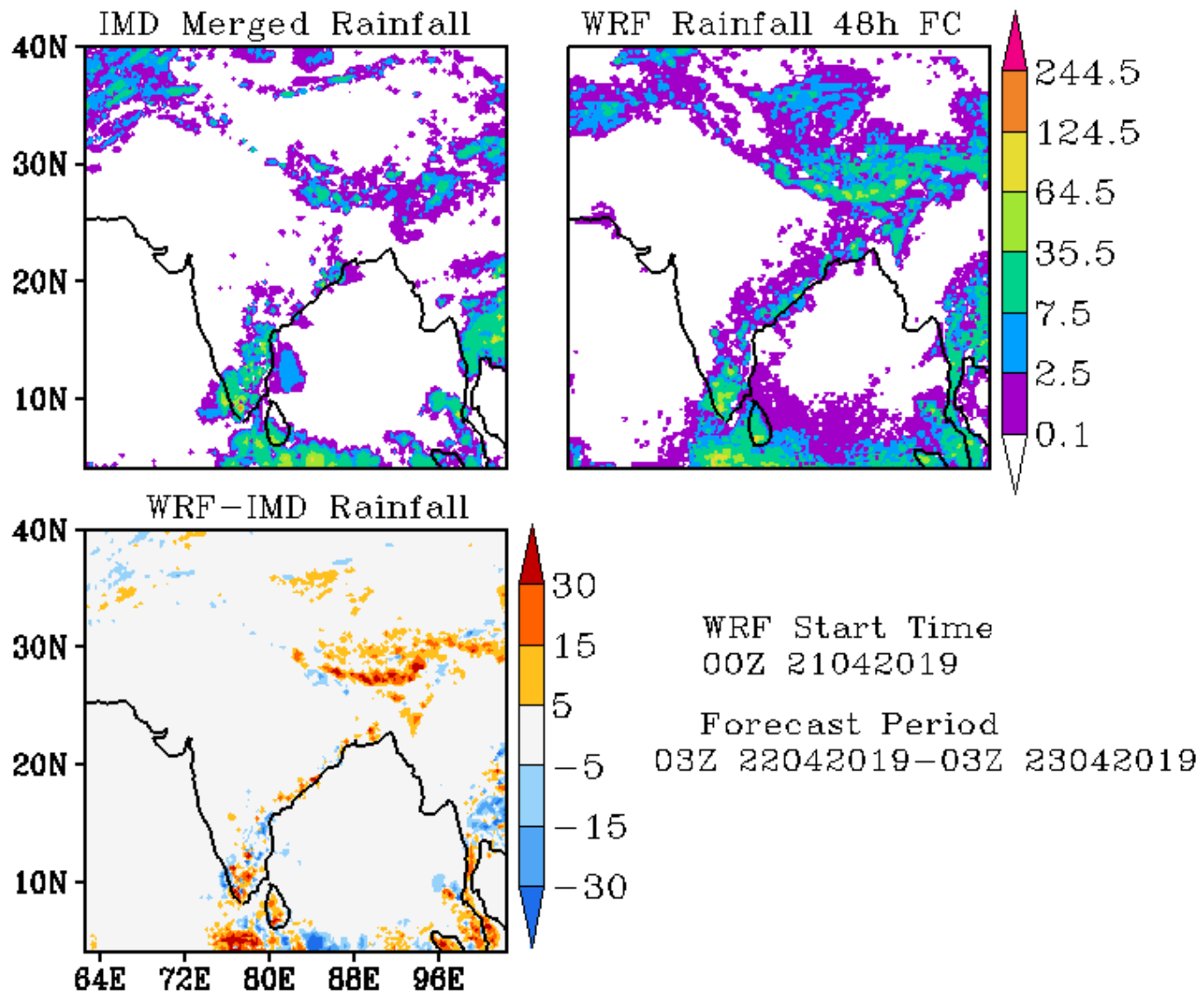


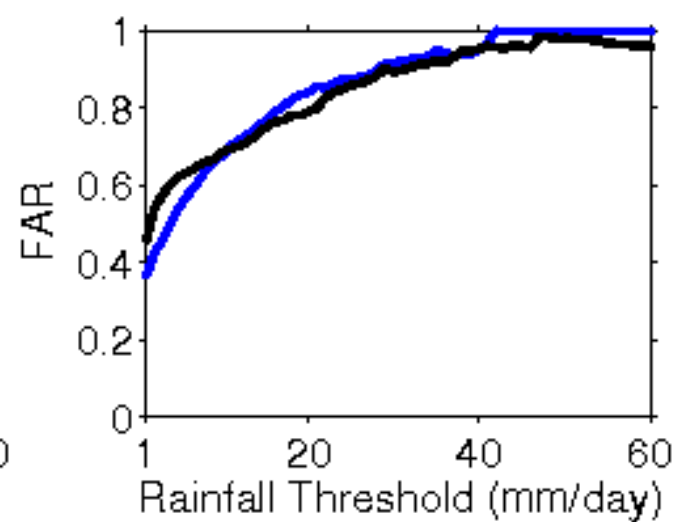
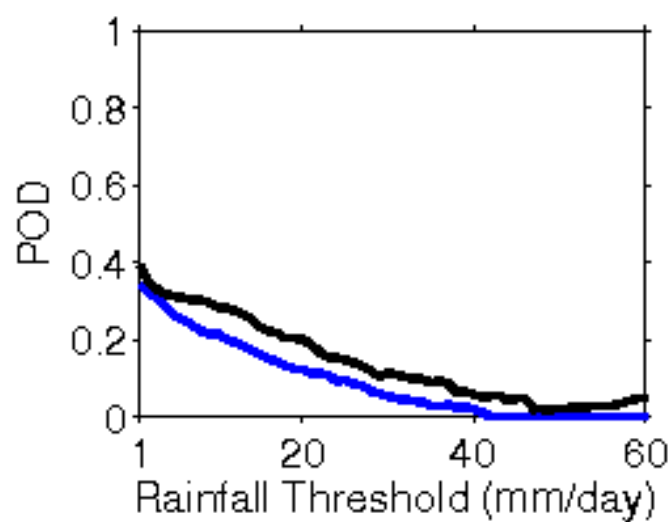
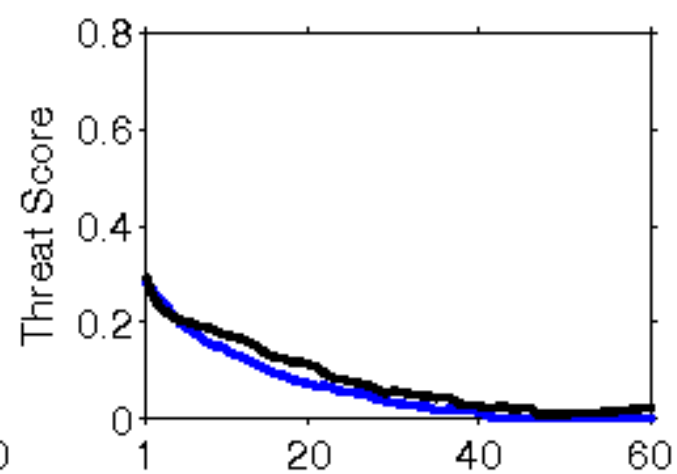
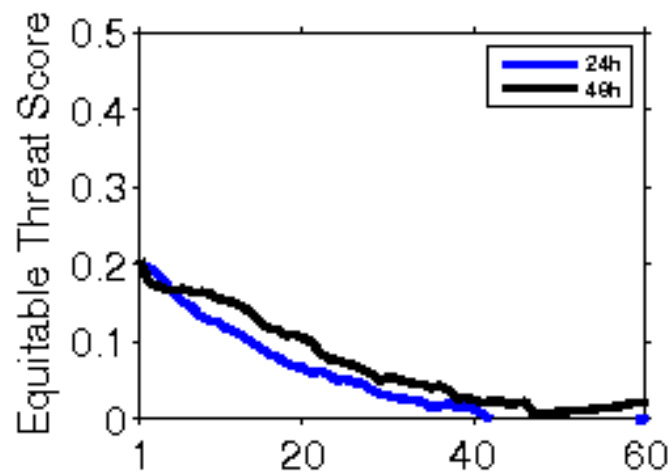


**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 21-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.80(-0.72)	15.48(9.45)	2.10(1.31)
48 Hour	2.16(-0.38)	18.47(10.50)	2.40(1.44)
72 Hour	2.46(-0.15)	19.65(11.66)	2.88(1.45)

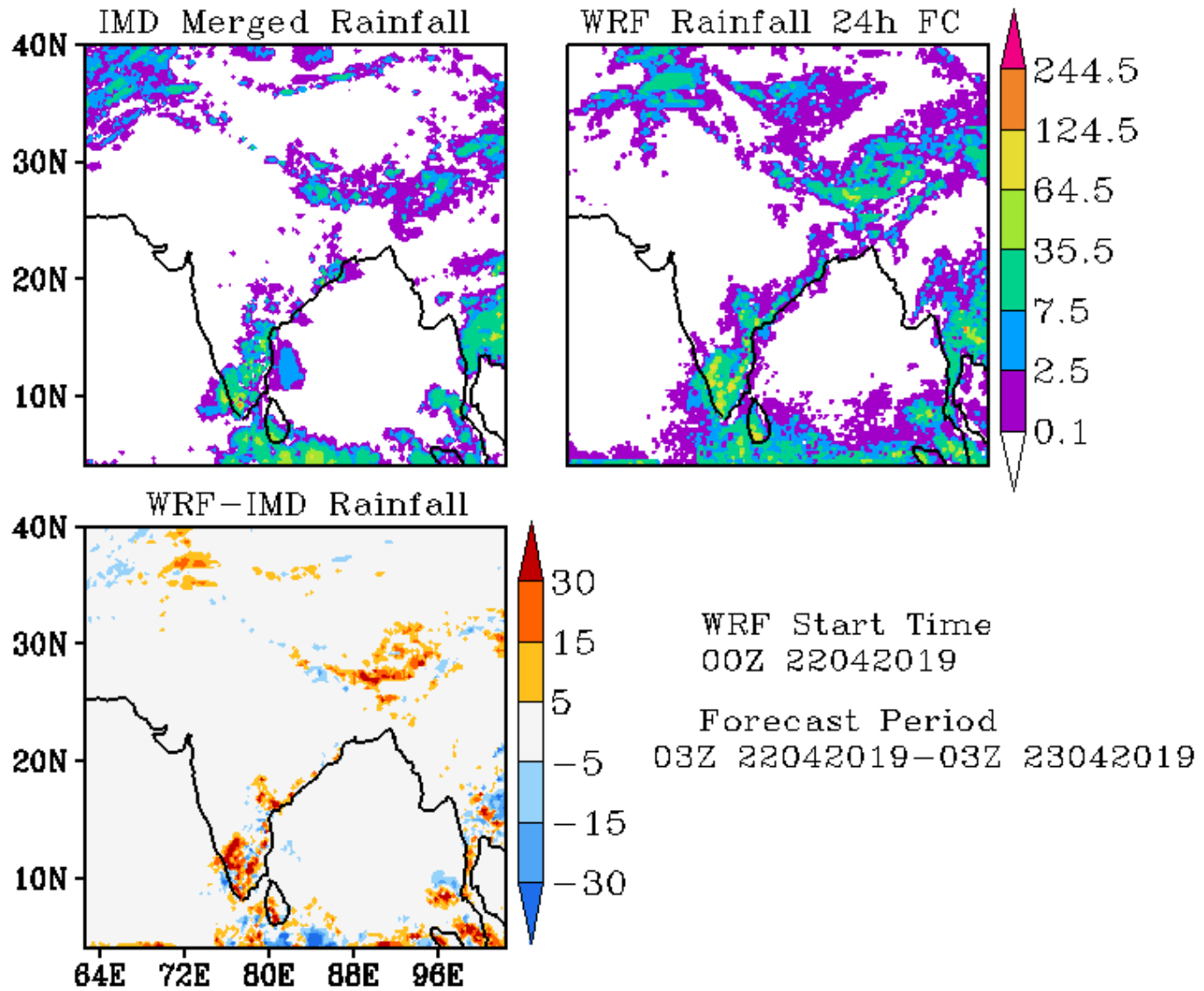


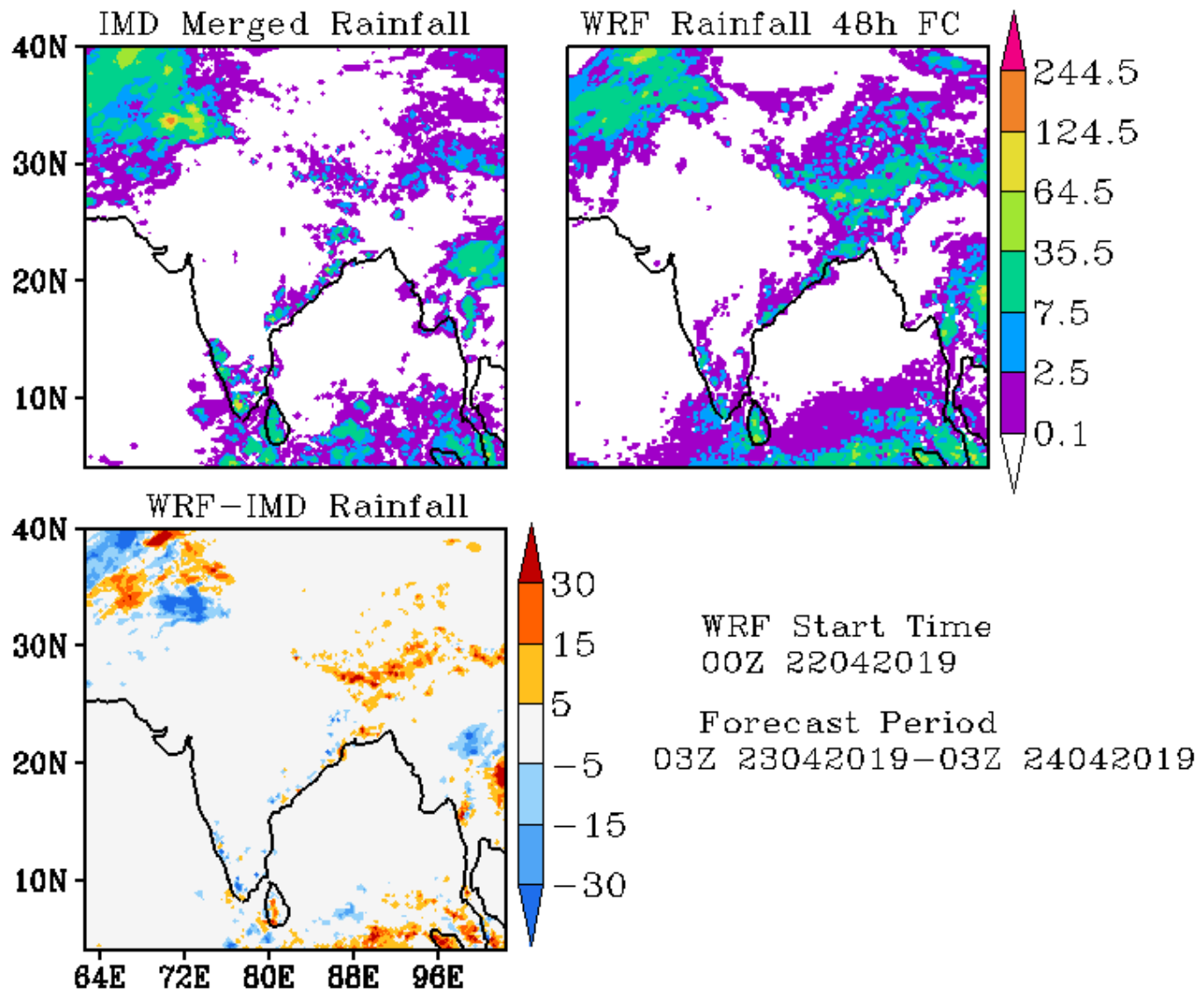


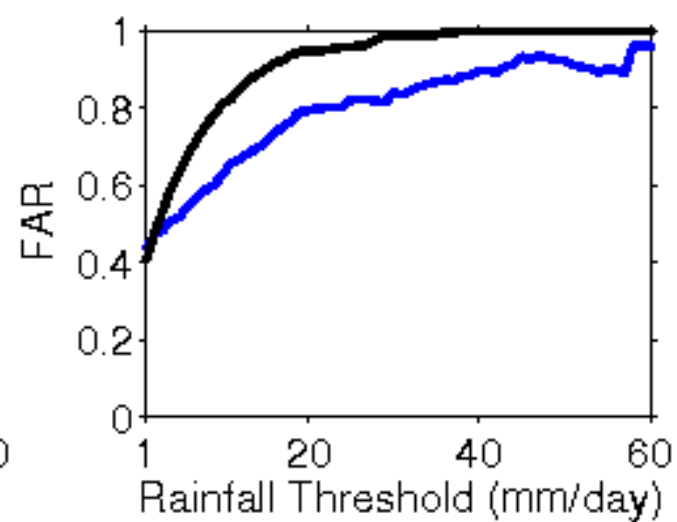
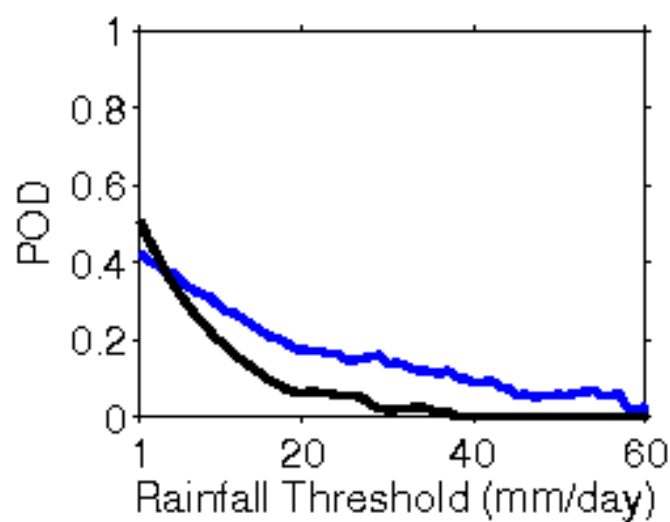
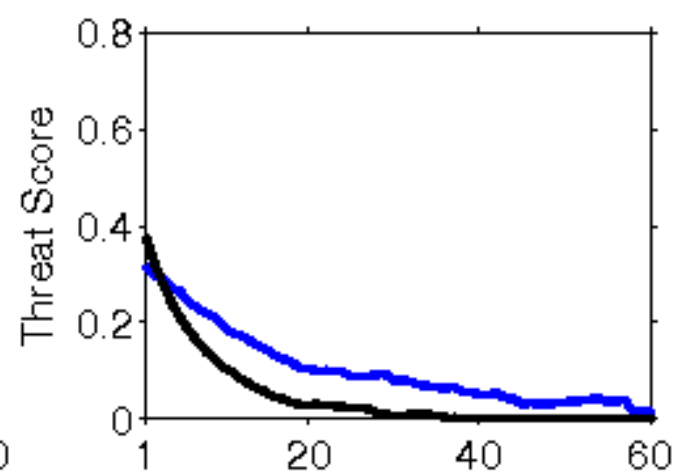
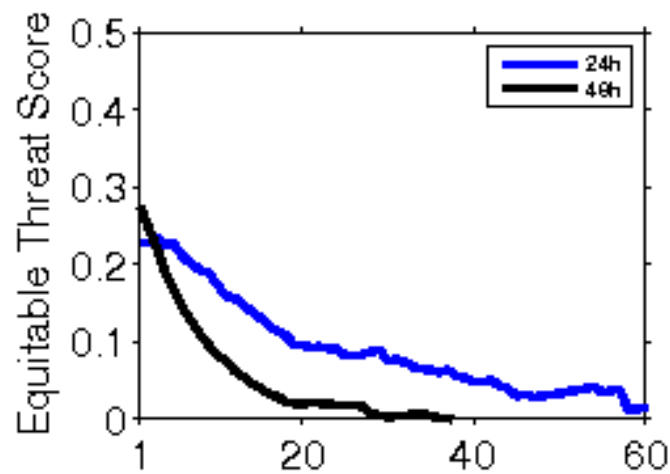


**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 22-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.87(-0.72)	16.07(9.36)	2.03(0.99)
48 Hour	2.13(-0.29)	18.89(9.89)	2.73(1.12)
72 Hour	2.58(-0.11)	16.66(11.23)	3.16(1.16)

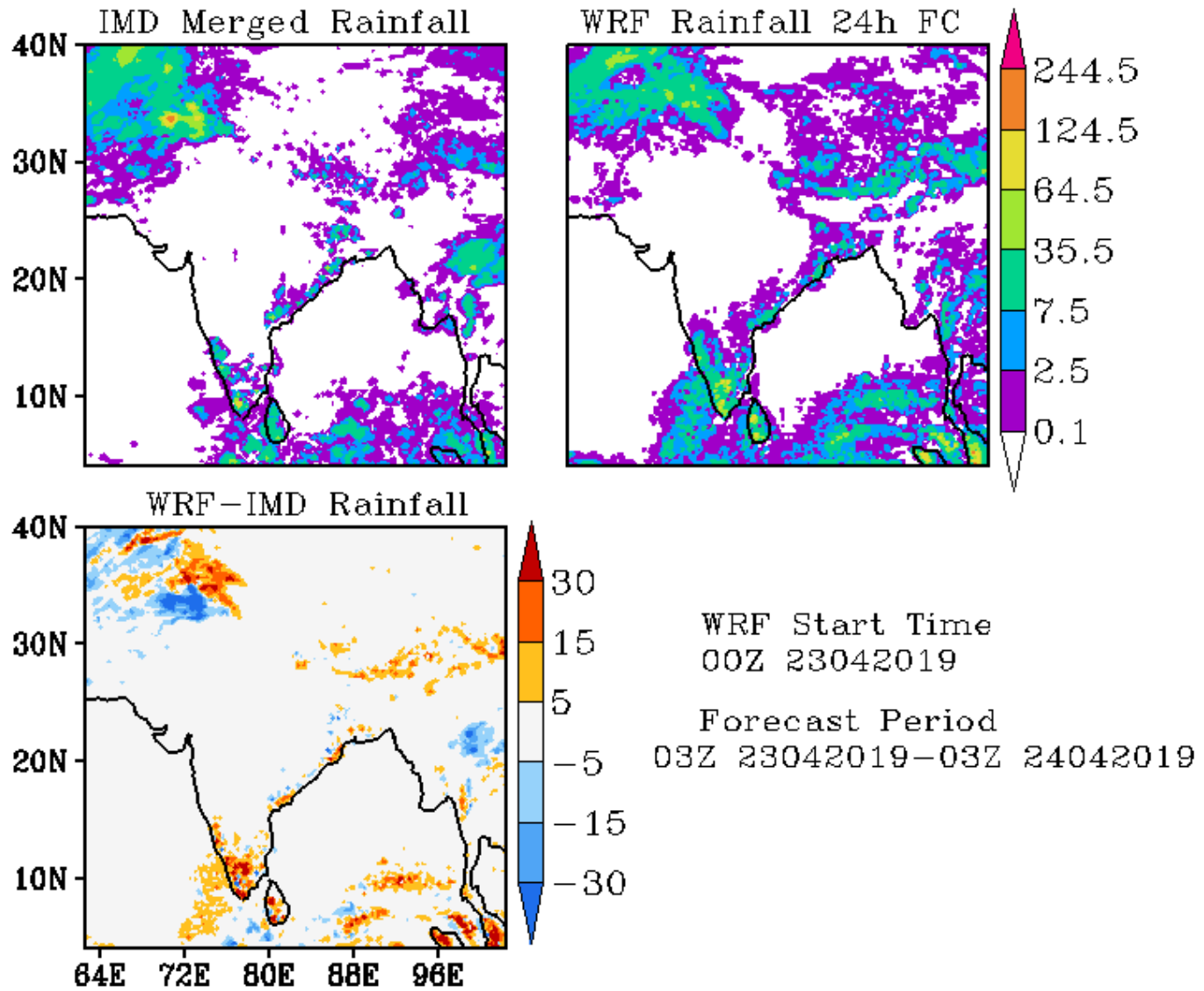


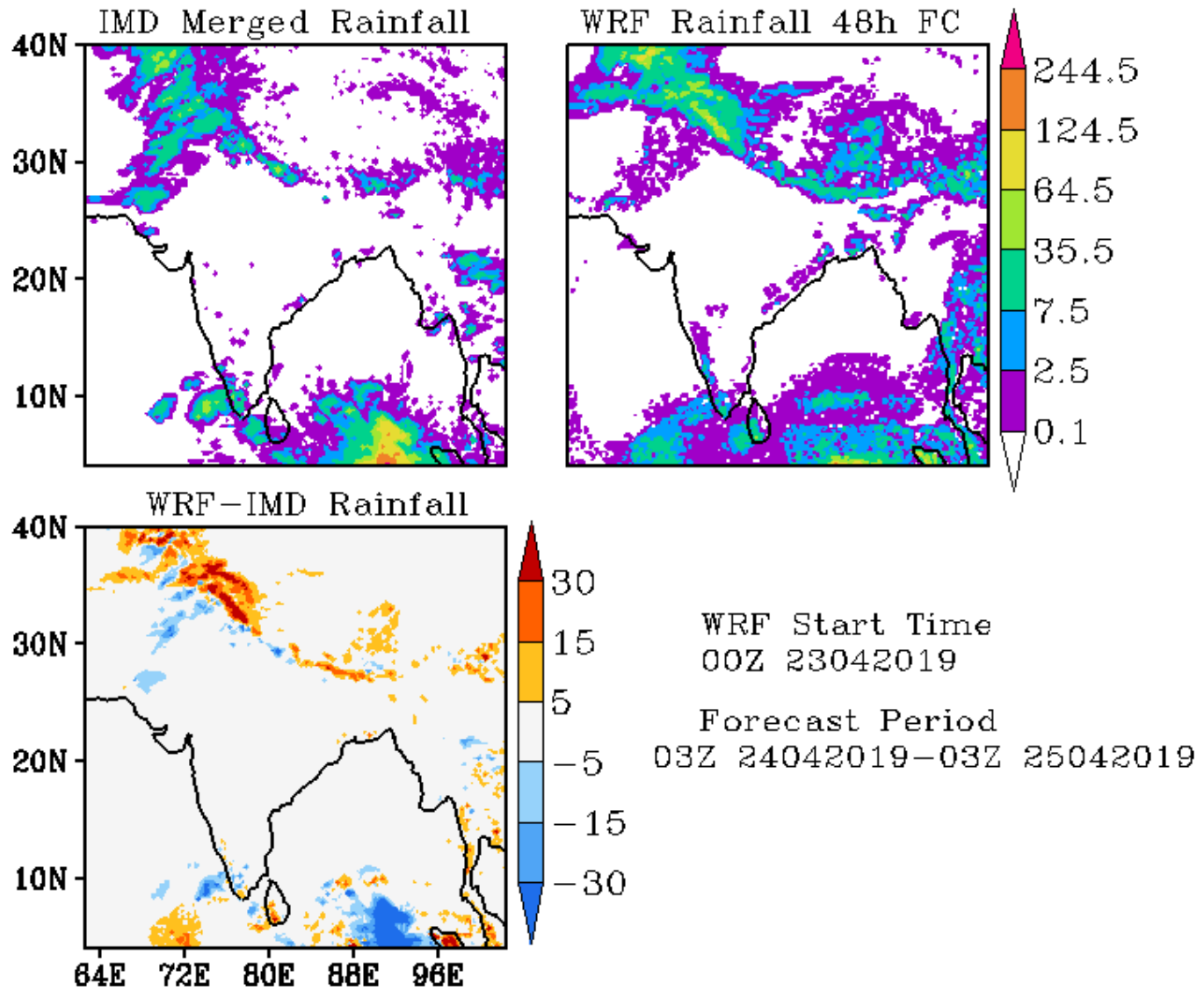


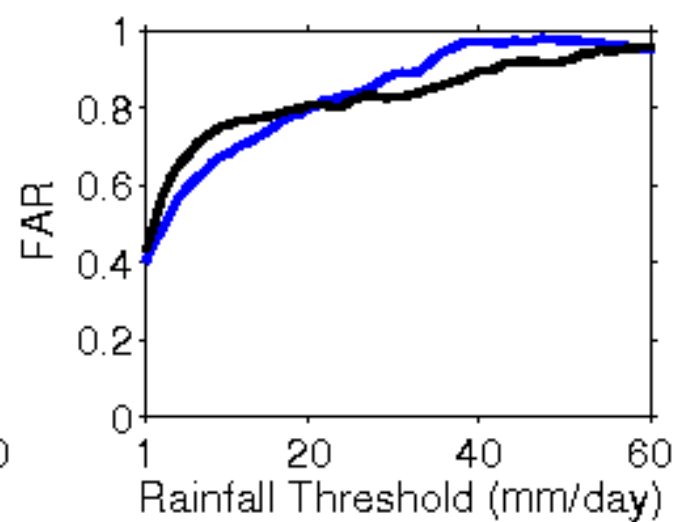
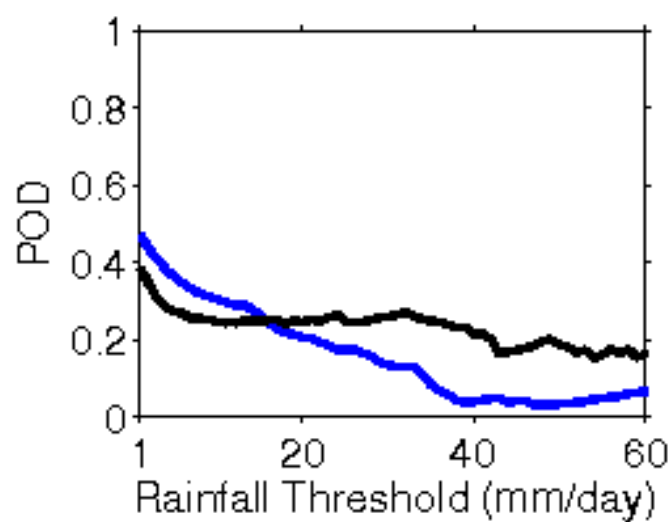
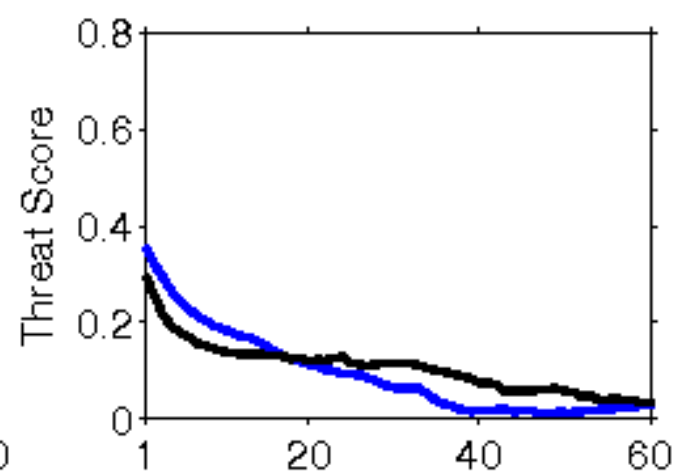
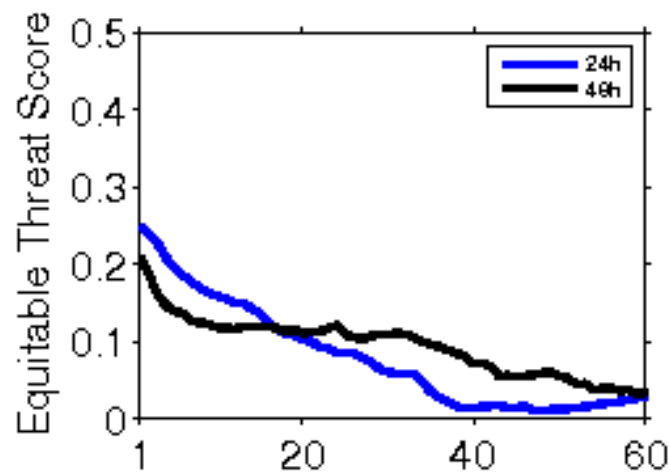


**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 23-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.98(-0.75)	16.77(9.58)	2.32(1.28)
48 Hour	2.25(-0.41)	18.15(9.73)	2.65(1.44)
72 Hour	3.14(-0.19)	18.91(9.66)	3.04(1.48)

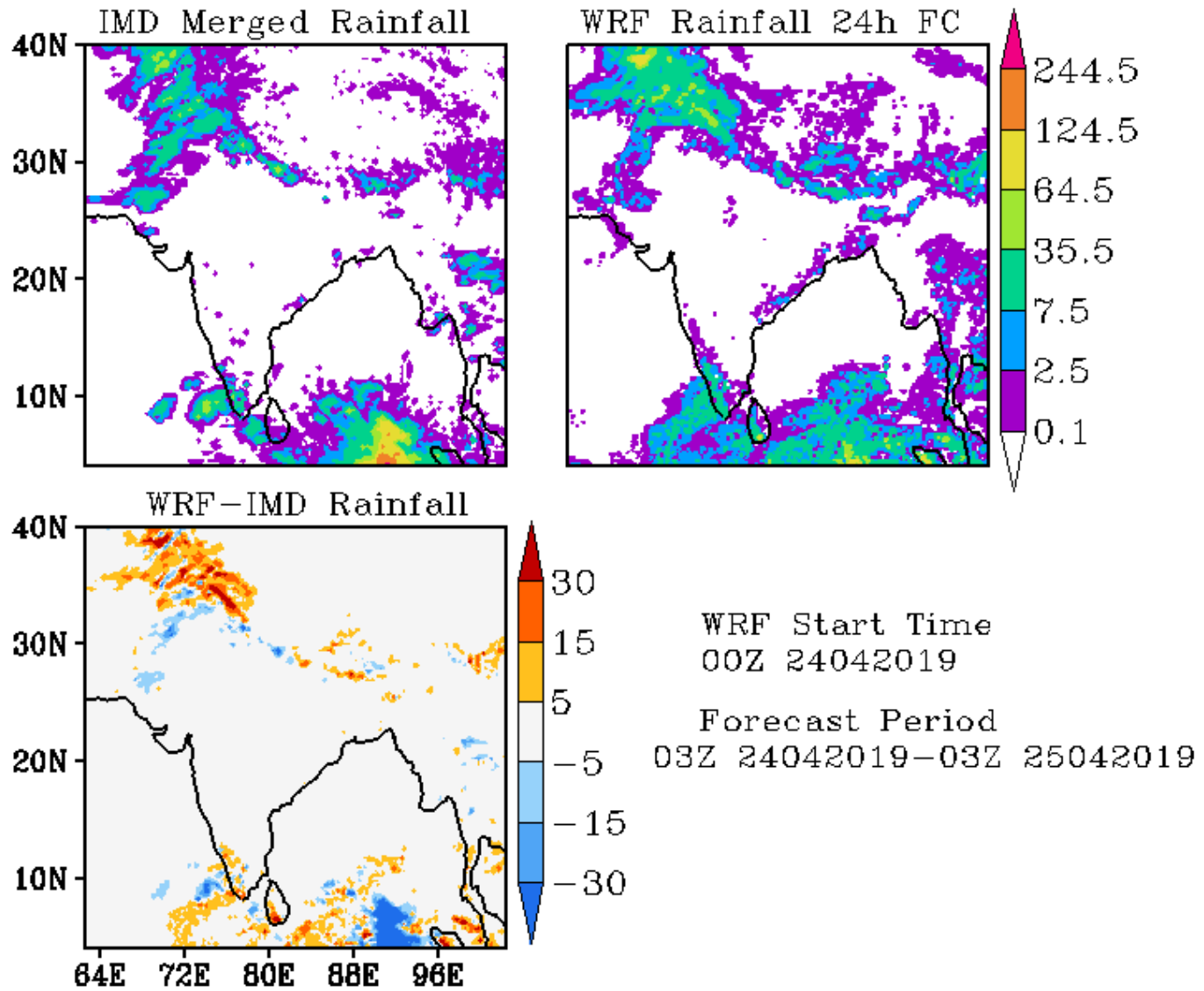


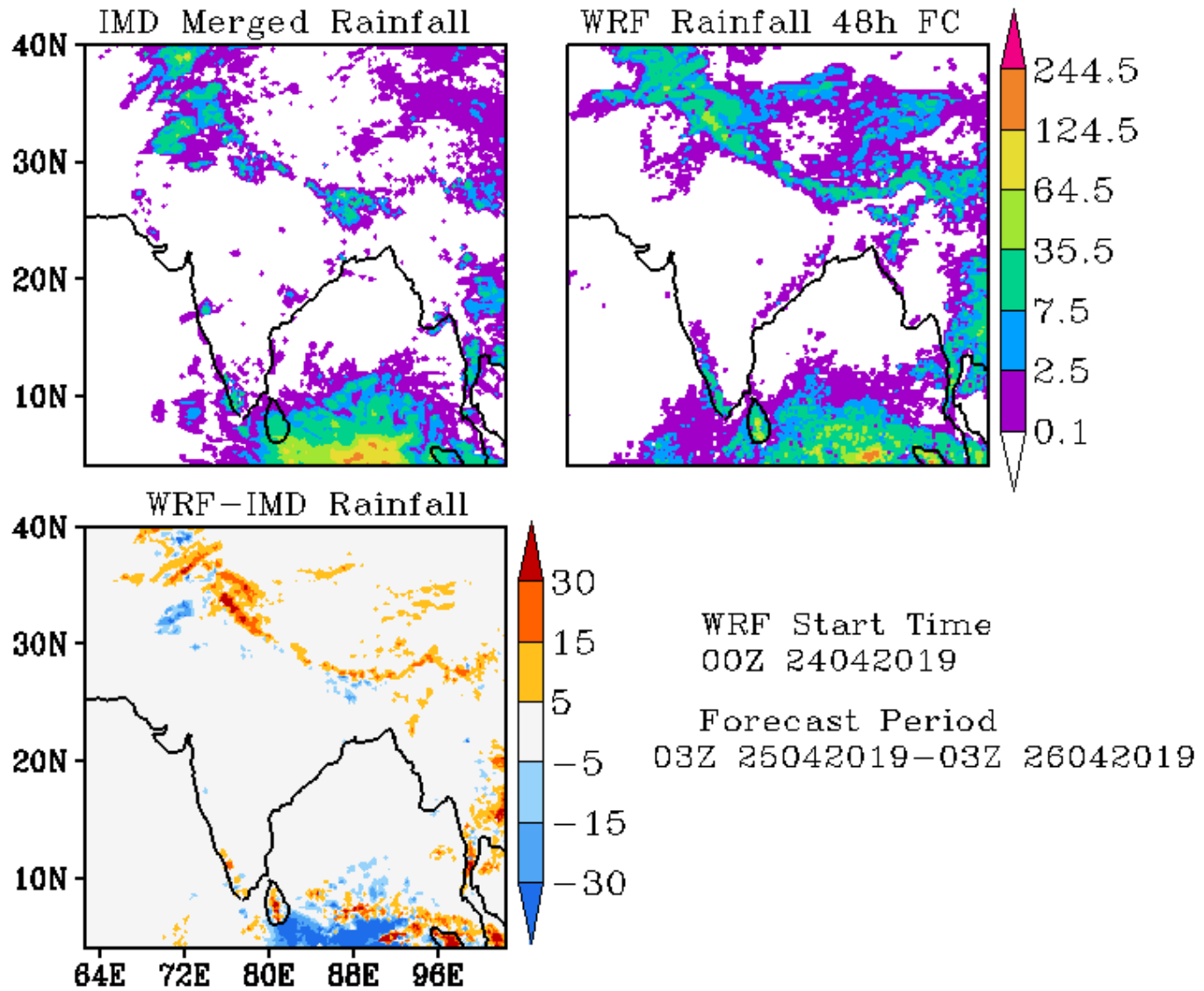


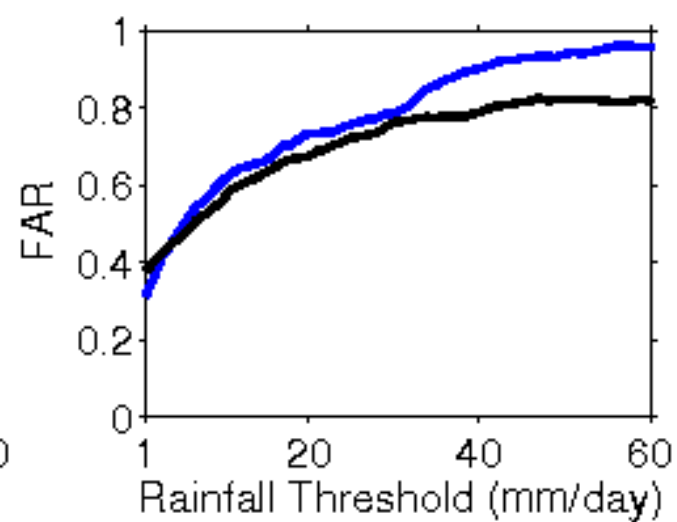
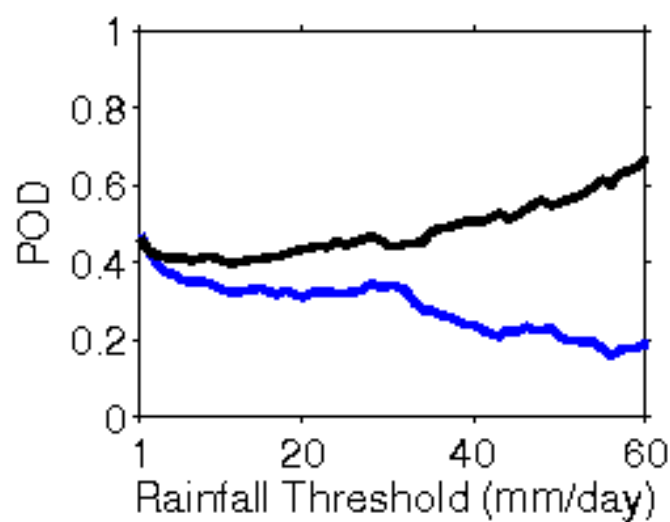
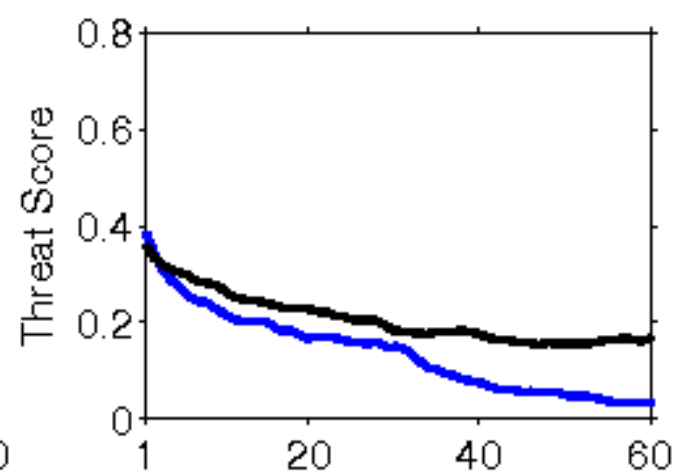
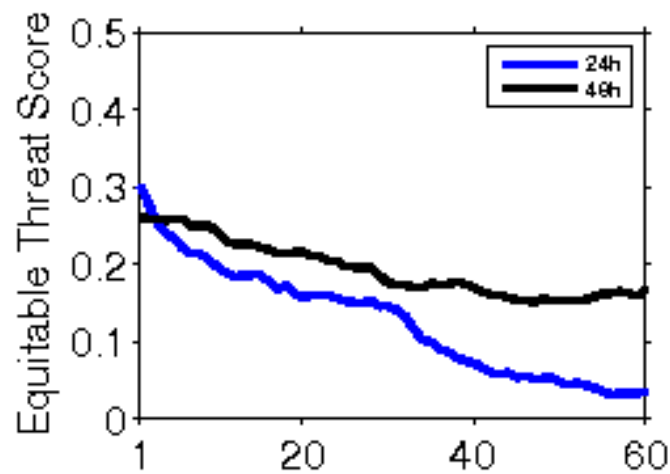


**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 24-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.93(-0.56)	16.20(10.17)	2.40(1.08)
48 Hour	2.57(-0.27)	18.83(10.23)	2.66(1.24)
72 Hour	2.83(-0.14)	18.74(9.19)	3.29(1.40)

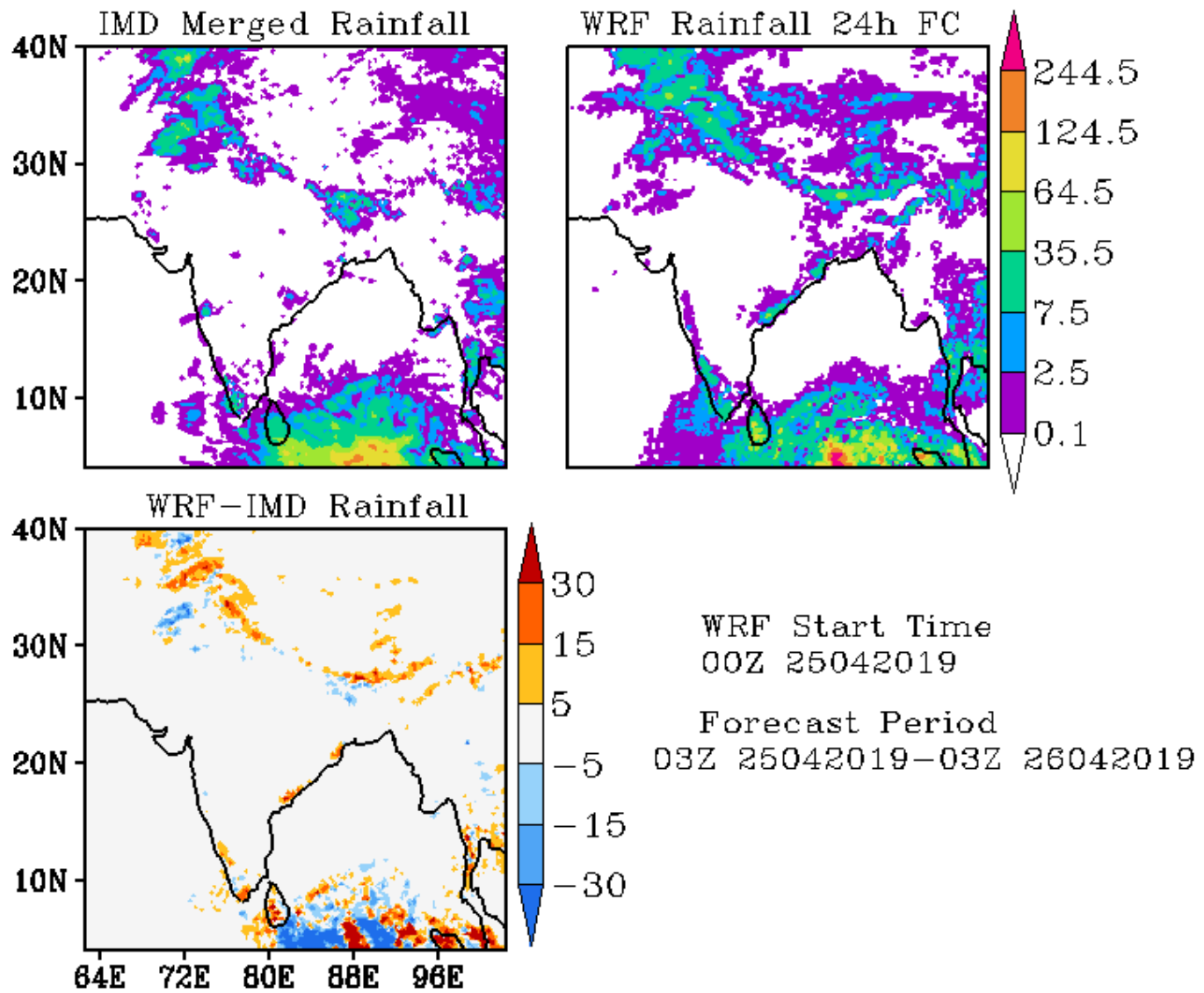


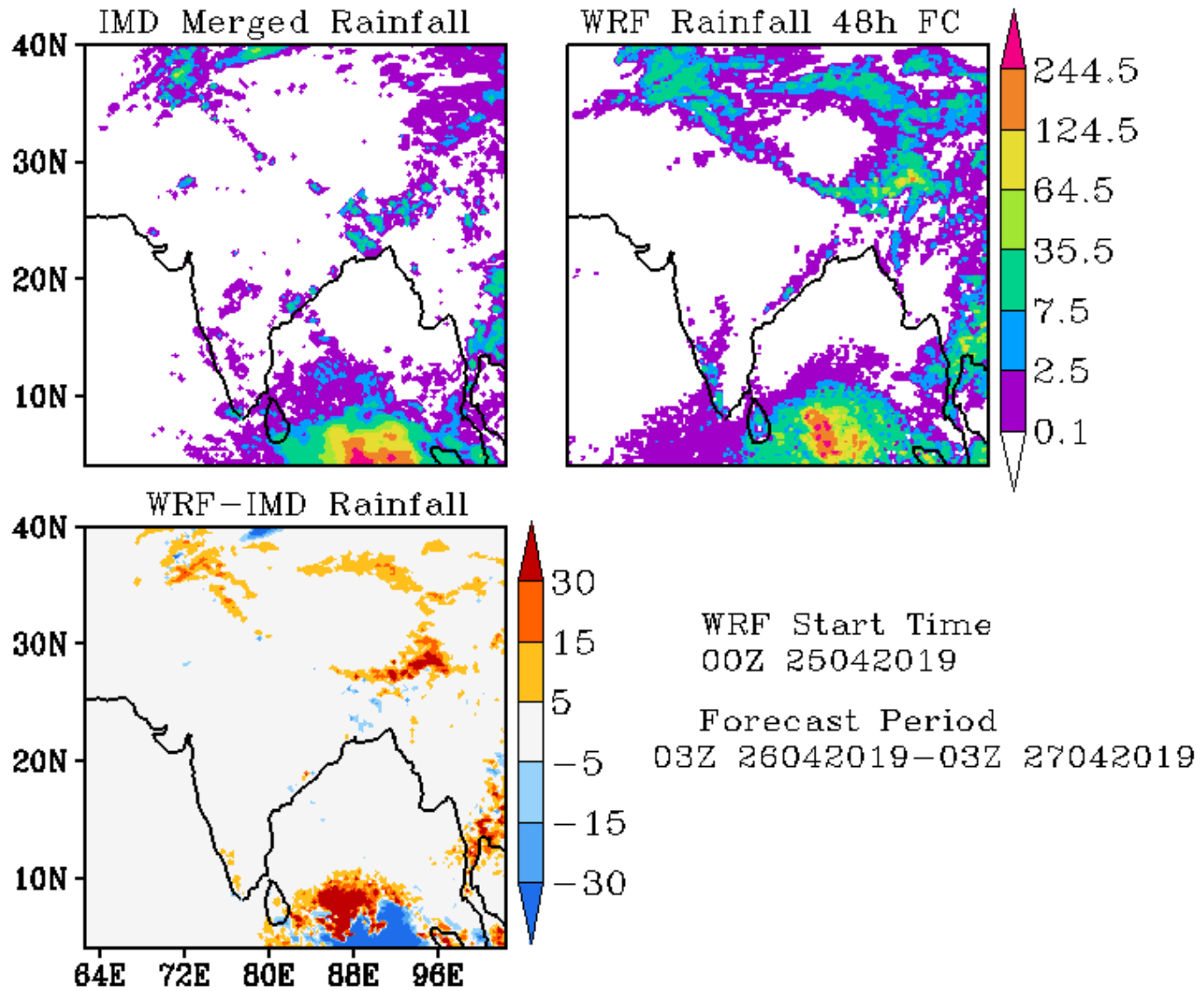


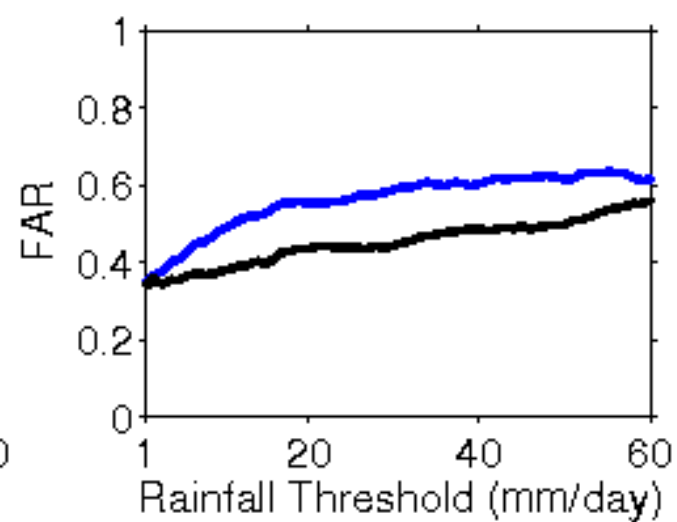
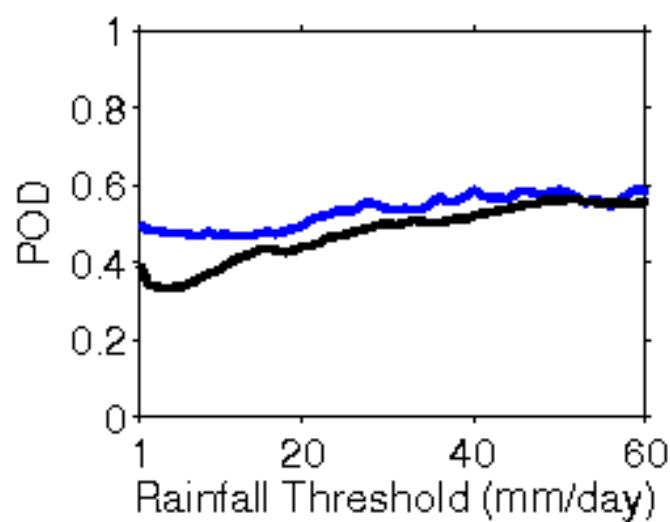
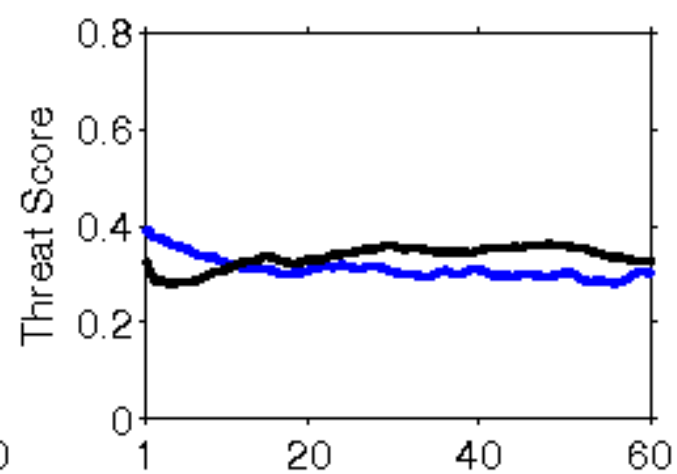
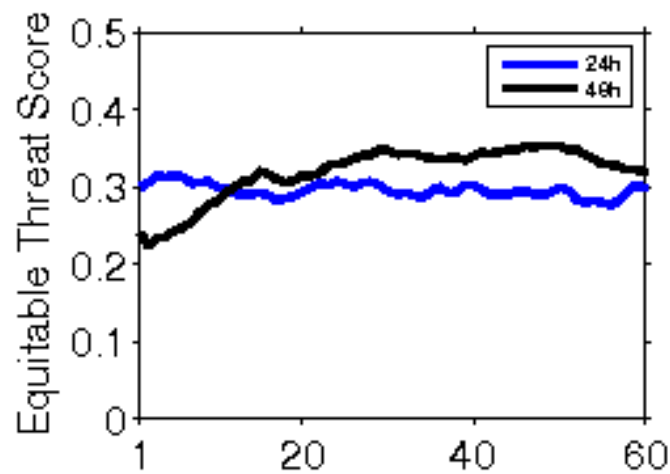


**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 25-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.86(-0.66)	15.42(9.21)	2.43(1.32)
48 Hour	2.07(-0.27)	20.45(9.71)	2.60(1.38)
72 Hour	2.32(-0.11)	21.00(10.76)	2.90(1.49)

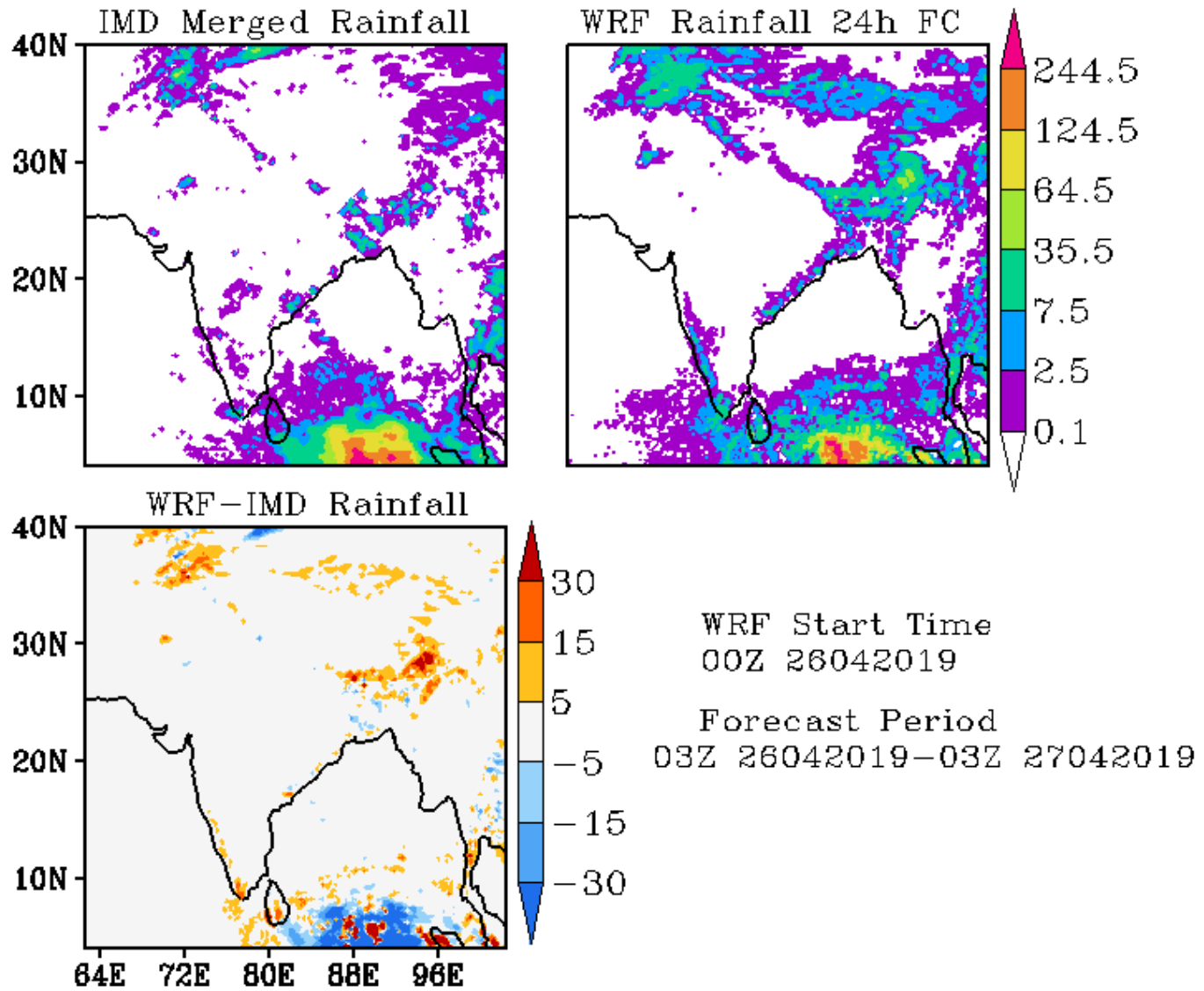


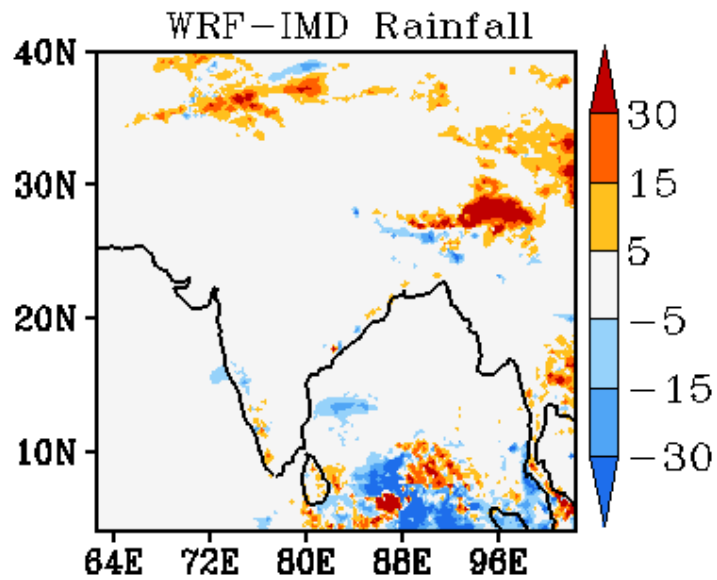
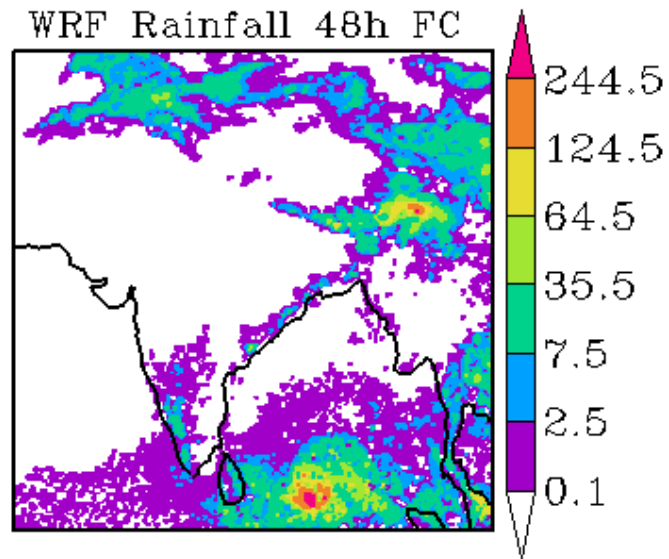
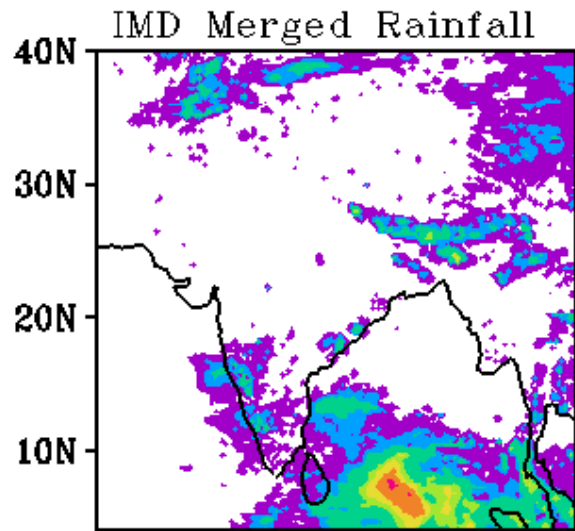




**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 26-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

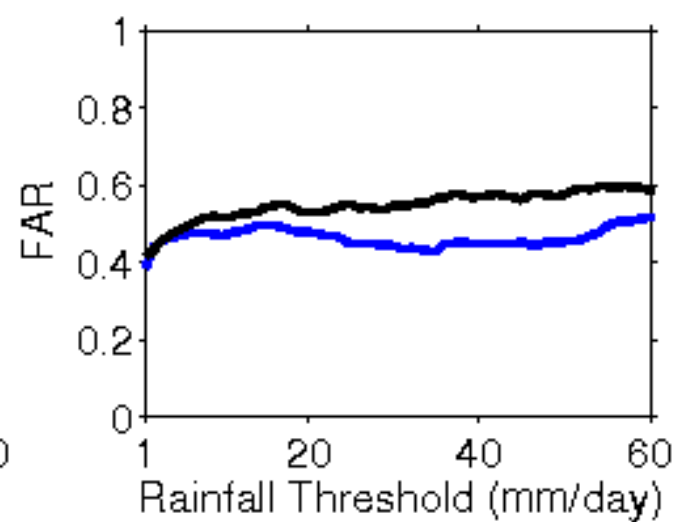
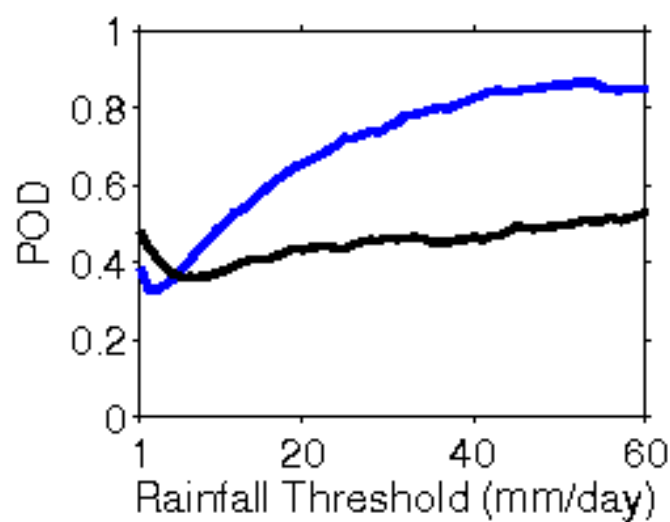
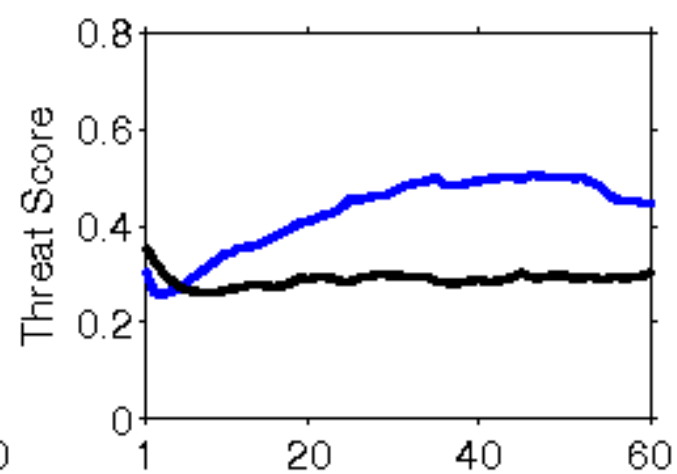
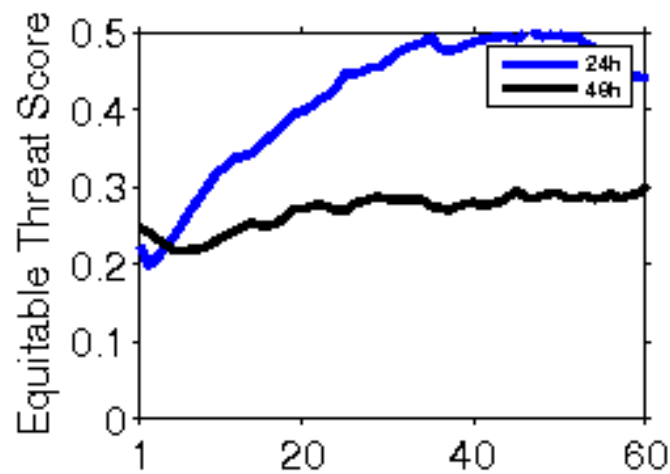
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	2.00(-0.82)	16.48(9.83)	2.25(1.09)
48 Hour	2.25(-0.39)	18.52(9.63)	3.00(1.37)
72 Hour	2.37(-0.27)	19.57(7.47)	3.82(1.51)





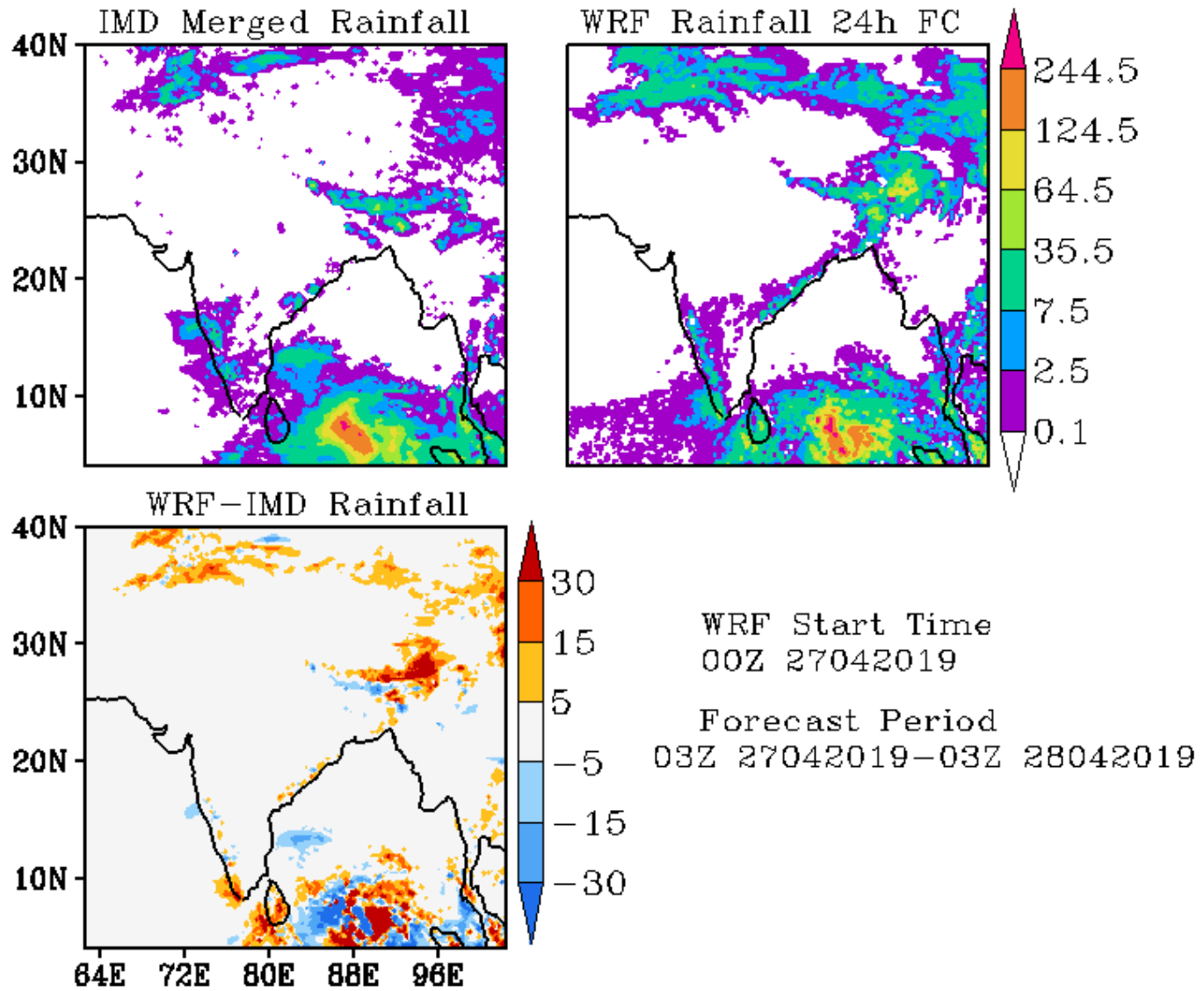
WRF Start Time
00Z 26042019

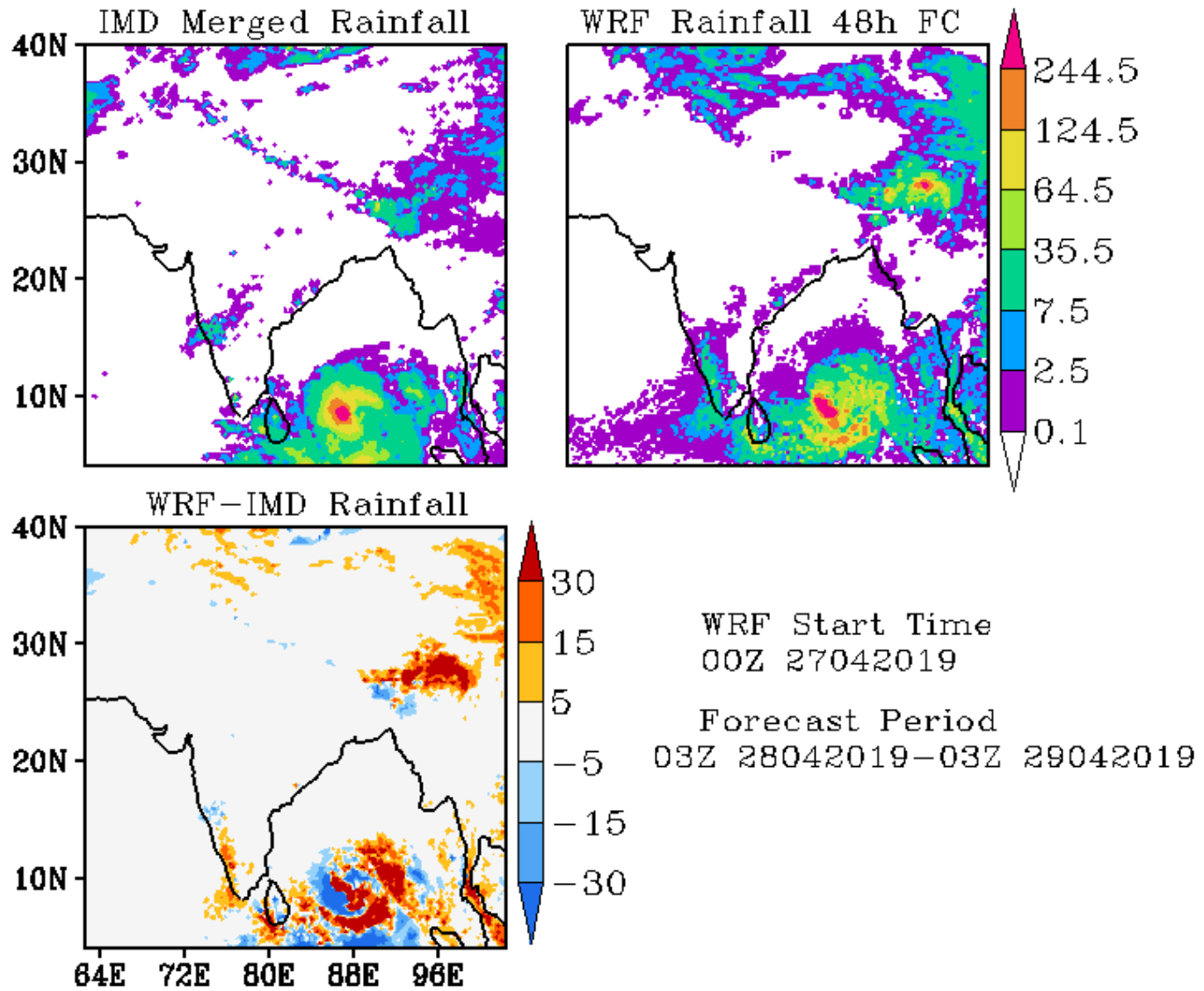
Forecast Period
03Z 27042019-03Z 28042019

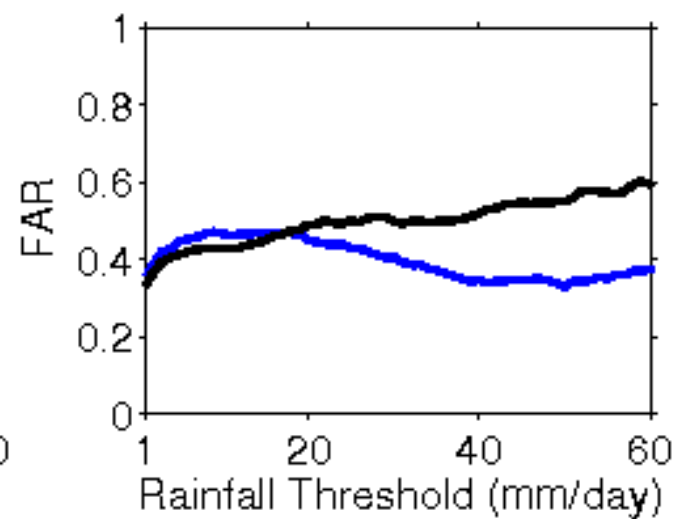
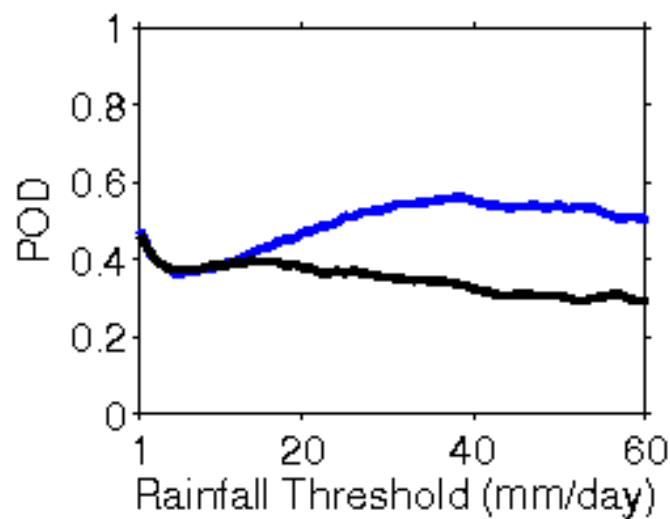
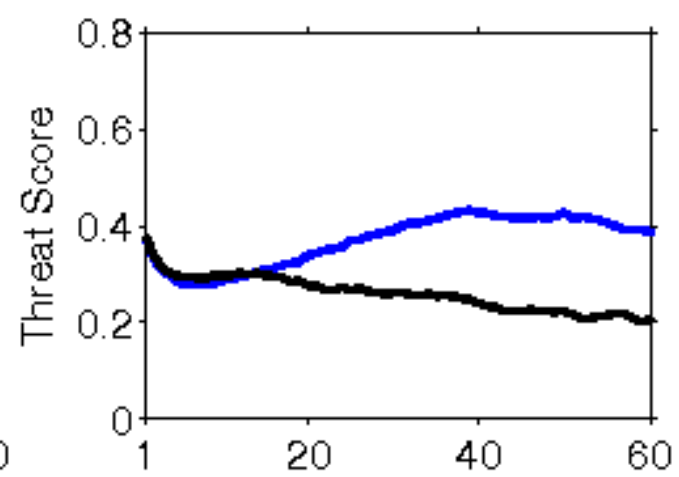
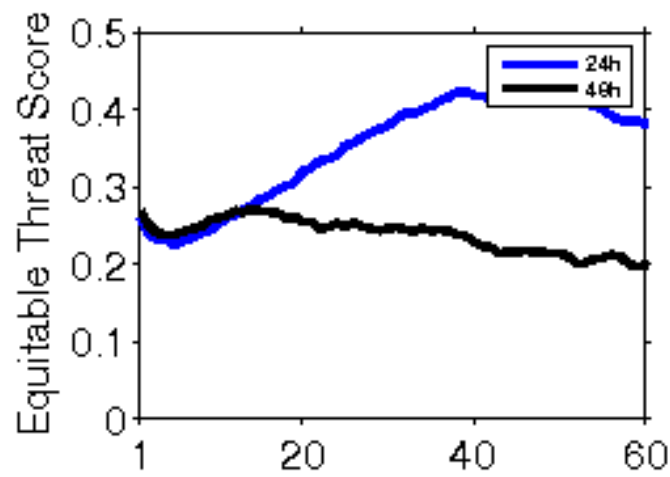


**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 27-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	2.01(-0.97)	14.70(7.44)	2.41(1.13)
48 Hour	2.11(-0.60)	16.20(8.31)	2.74(1.57)
72 Hour	2.33(-0.29)	17.19(7.69)	3.18(1.49)

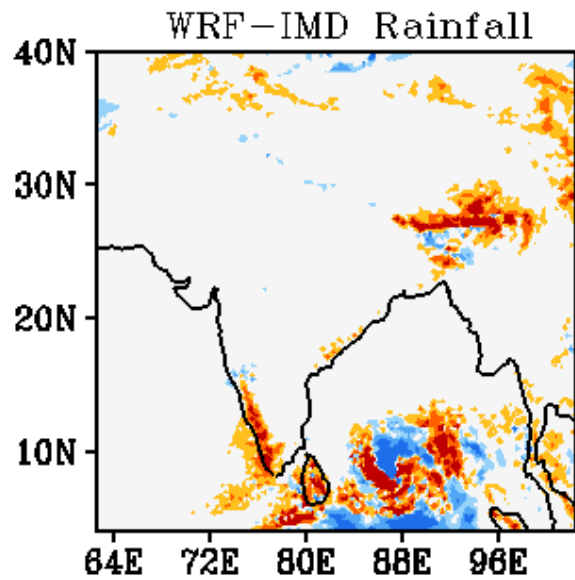
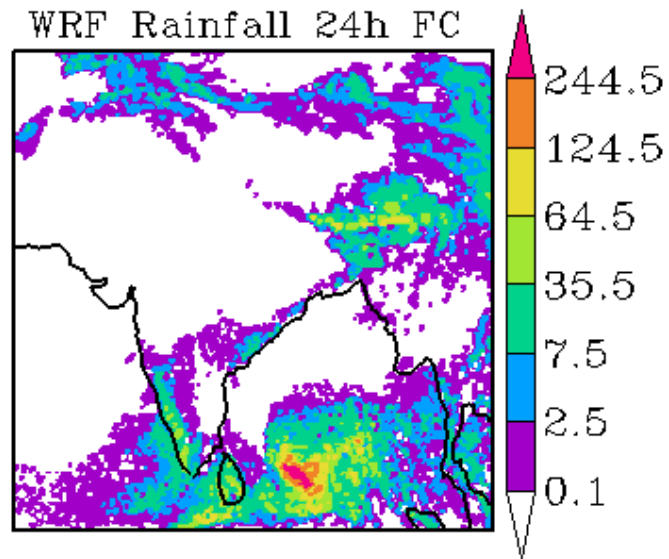
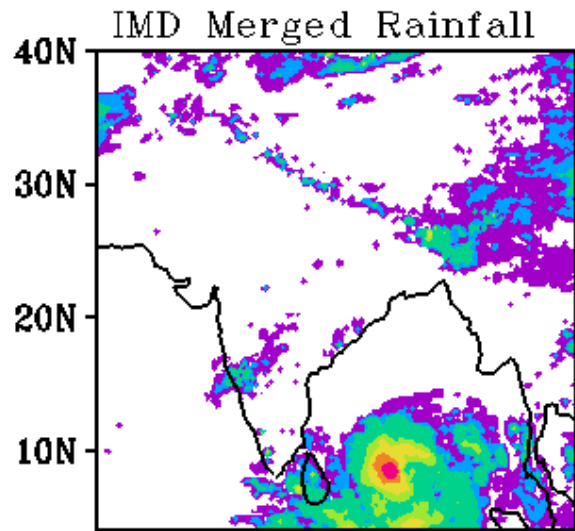






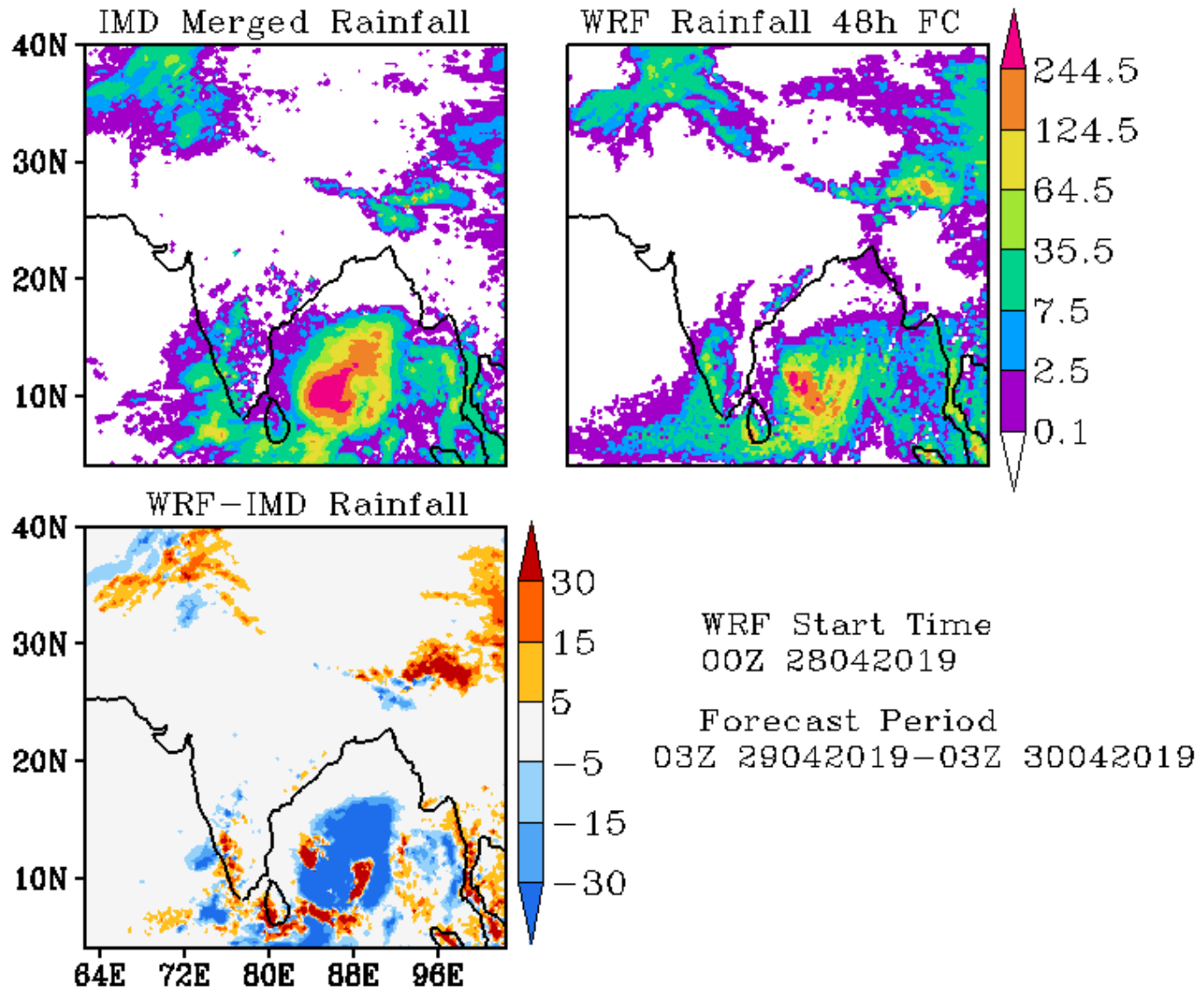
**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 28-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

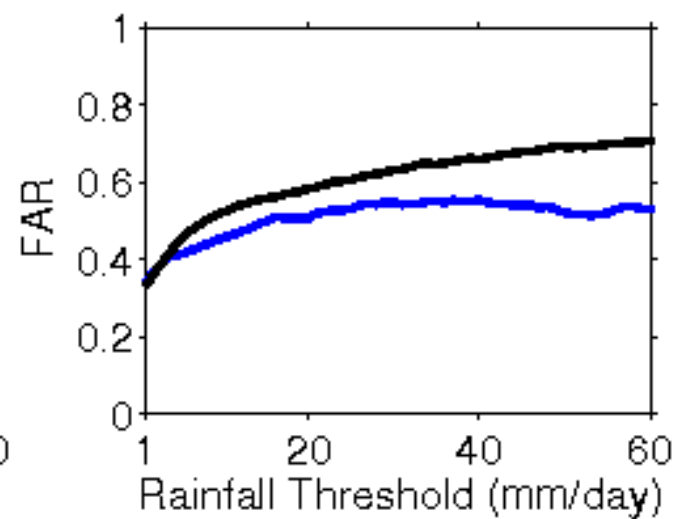
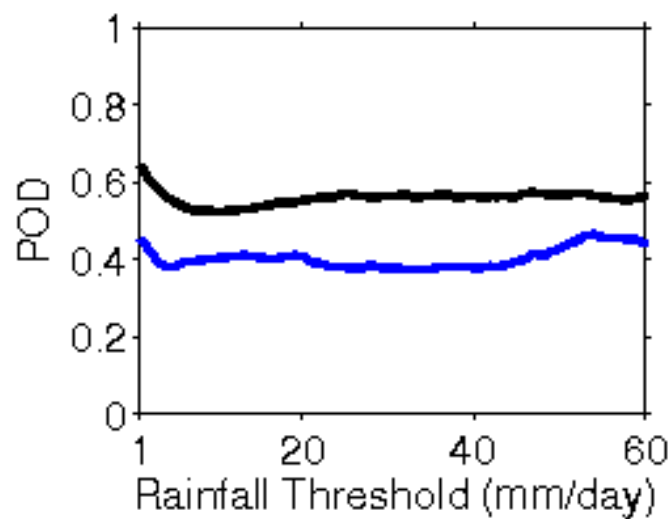
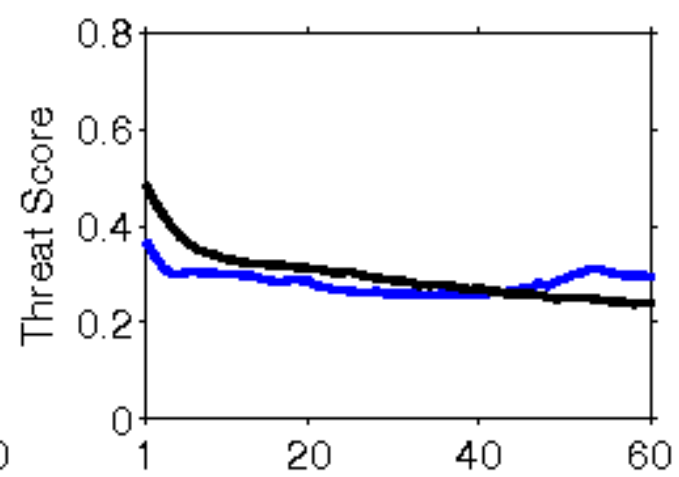
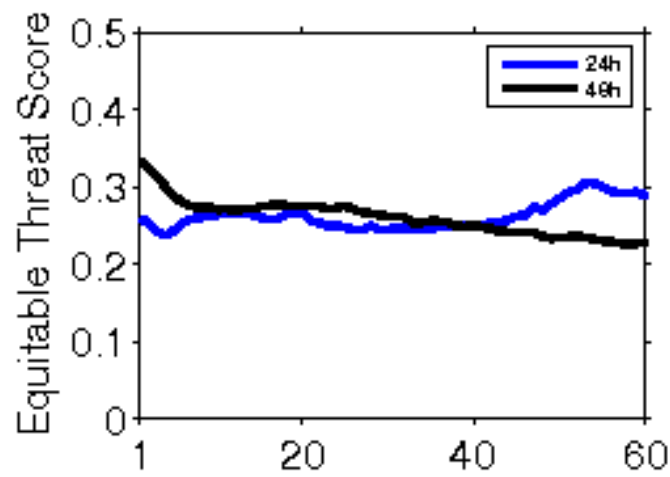
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.90(-0.80)	15.28(7.24)	2.63(1.55)
48 Hour	2.05(-0.65)	17.11(8.67)	2.95(1.63)
72 Hour	2.38(-0.32)	18.25(8.34)	4.30(1.98)



WRF Start Time
00Z 28042019

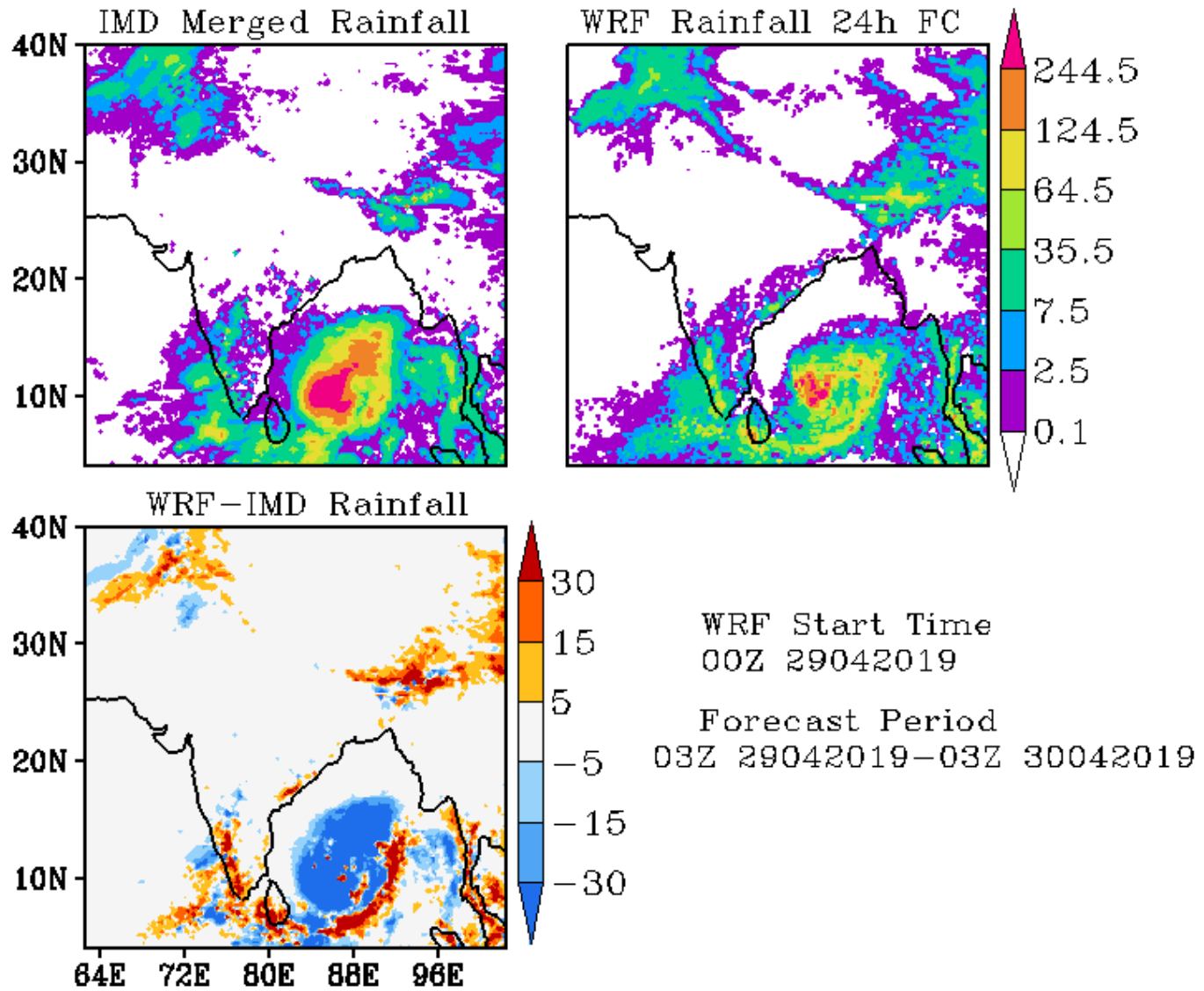
Forecast Period
03Z 28042019-03Z 29042019

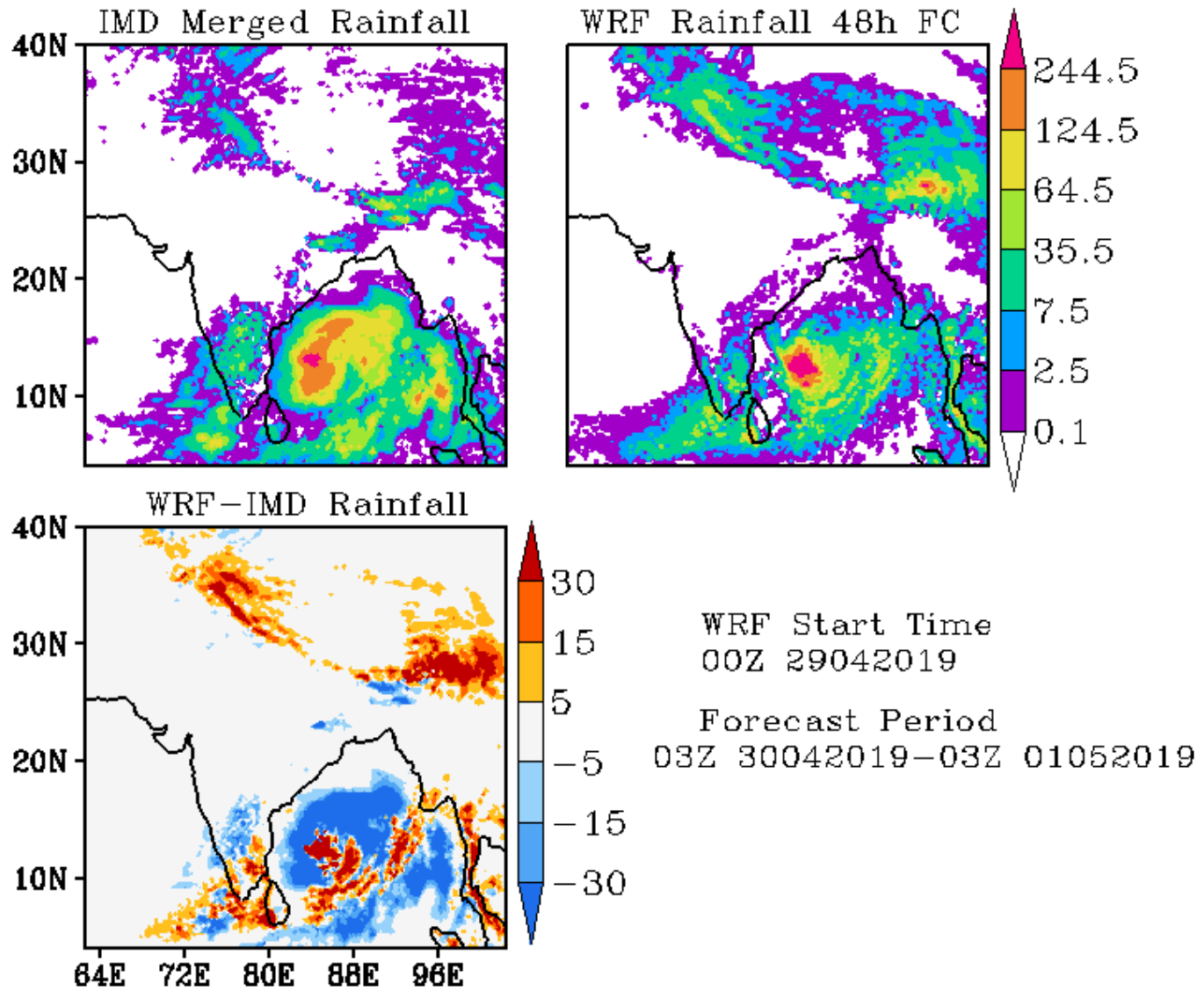


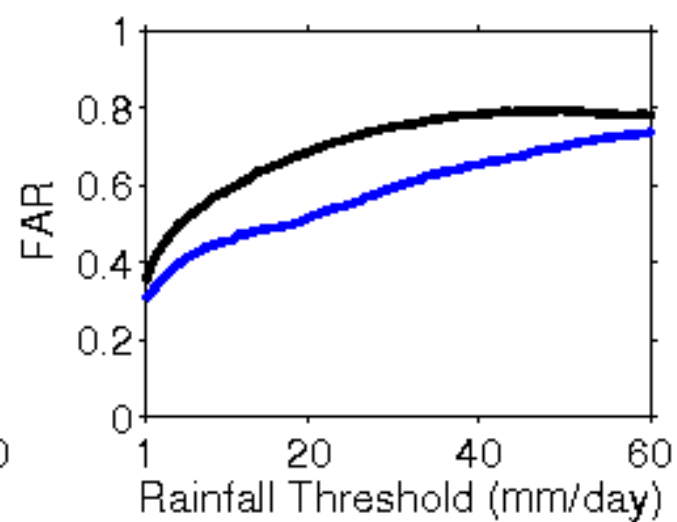
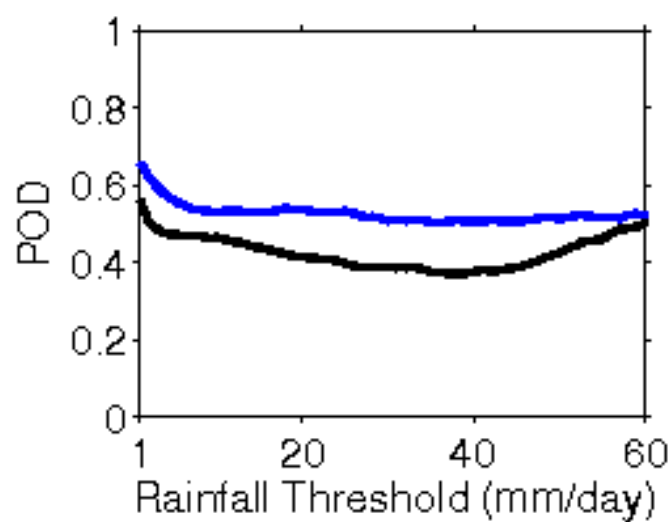
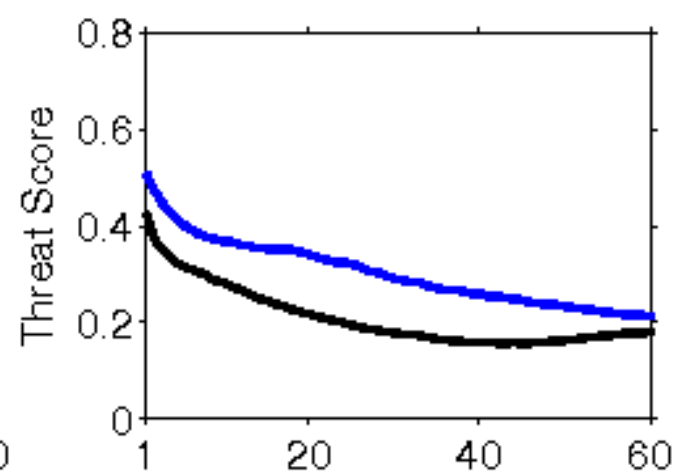
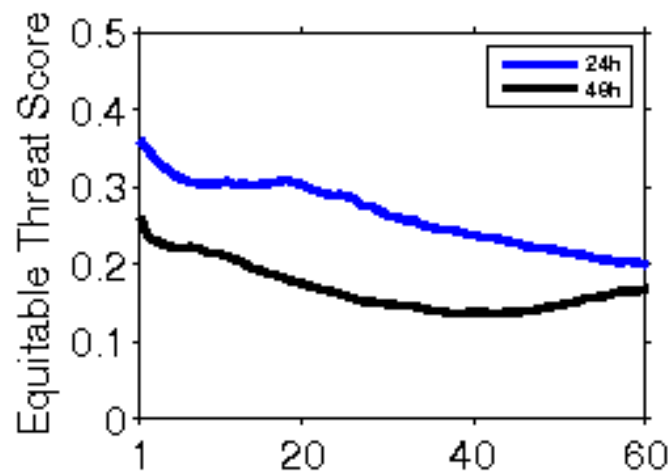


**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 29-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.85(-0.78)	15.93(7.24)	2.60(1.33)
48 Hour	2.48(-0.52)	18.79(7.23)	4.01(1.48)
72 Hour	2.95(-0.39)	20.13(6.83)	5.27(1.50)

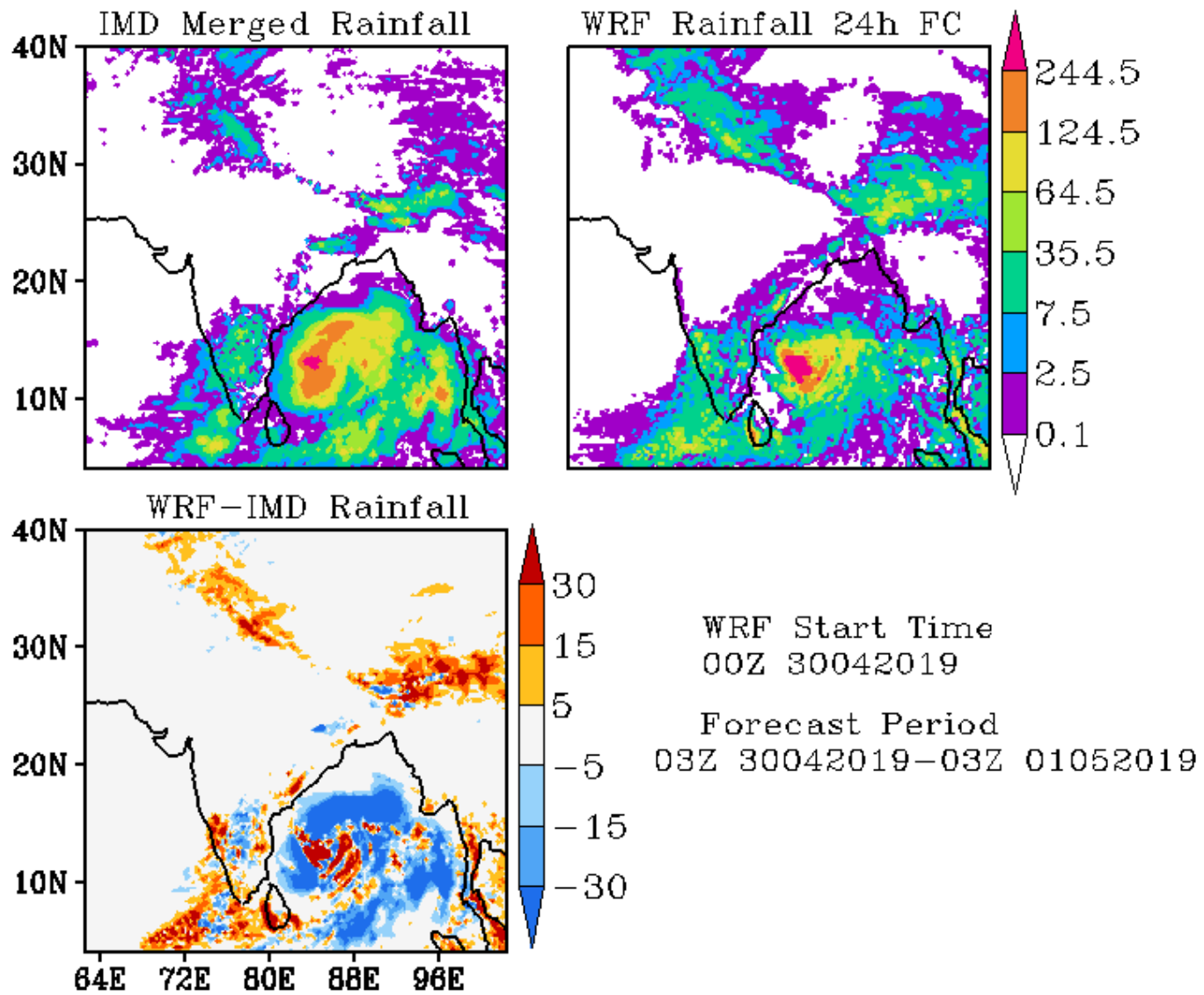




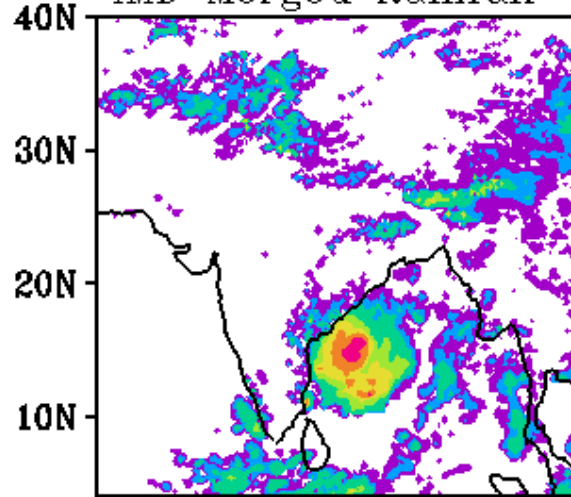


**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 30-04-19
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

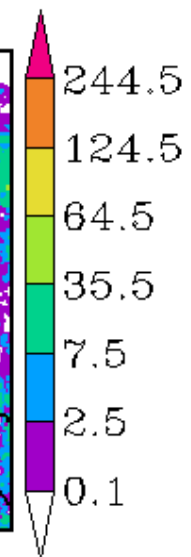
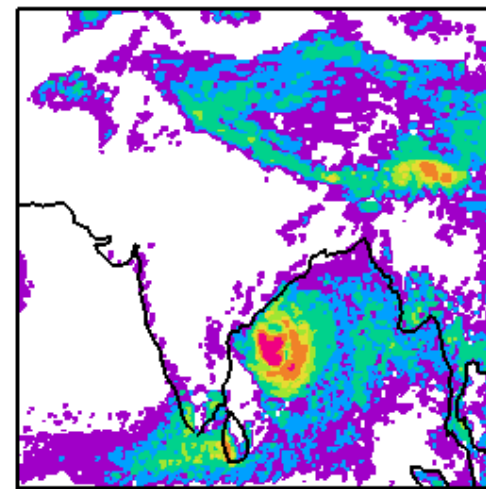
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.86(-0.65)	15.83(7.80)	2.93(1.48)
48 Hour	2.64(-0.23)	21.02(7.62)	4.17(1.84)
72 Hour	2.95(-0.10)	20.00(7.67)	4.60(1.83)



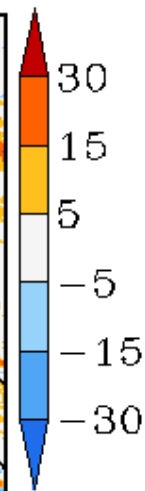
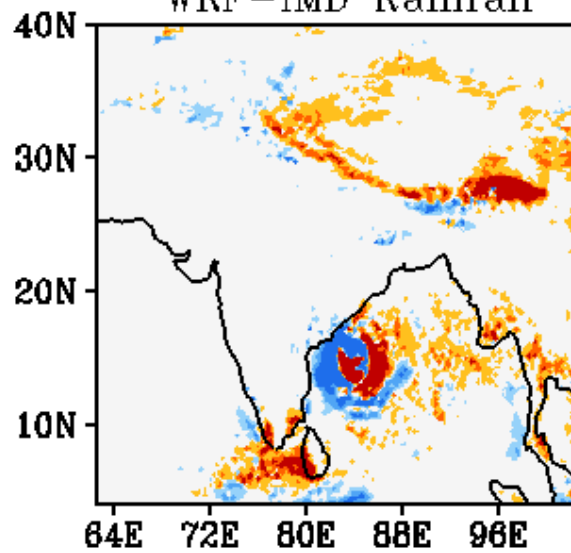
IMD Merged Rainfall



WRF Rainfall 48h FC



WRF-IMD Rainfall



WRF Start Time
00Z 30042019

Forecast Period
03Z 01052019-03Z 02052019

