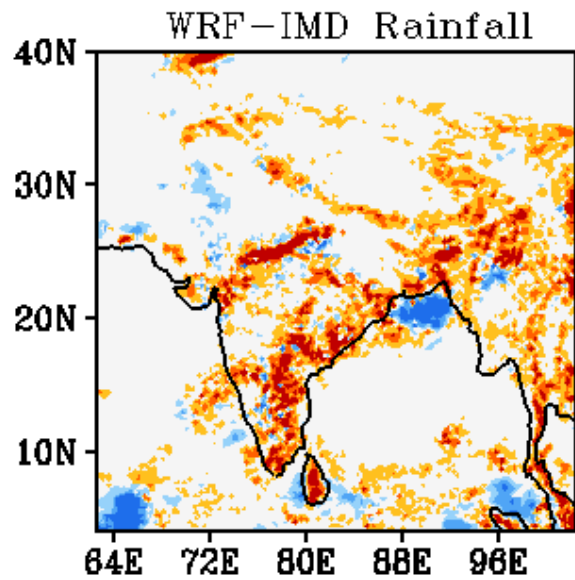
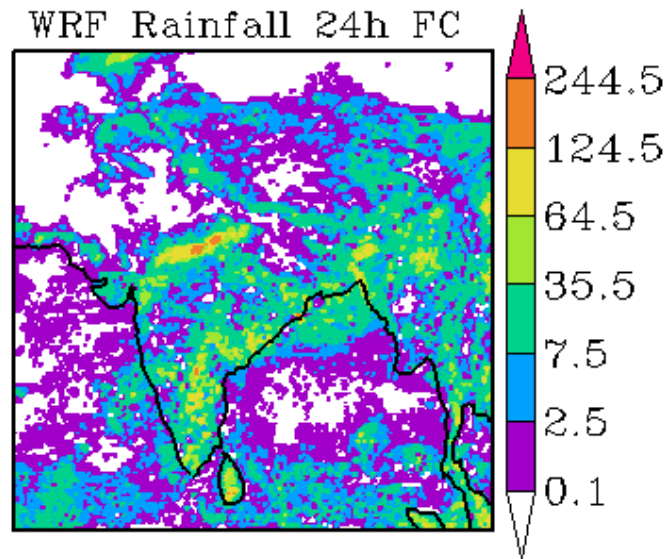
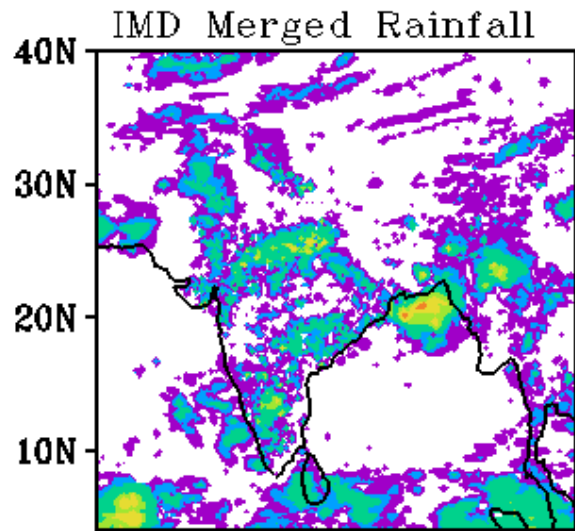


**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 01-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

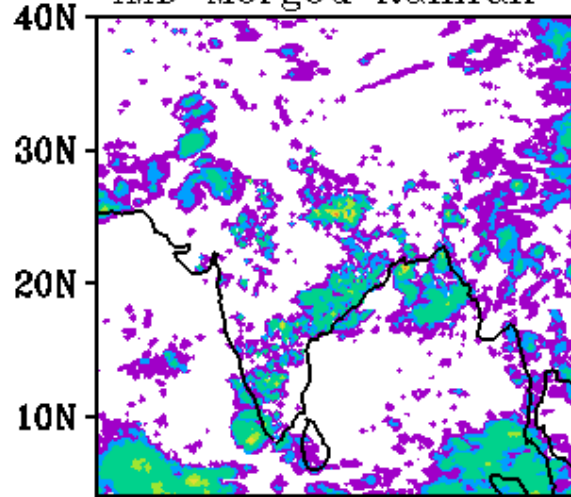
<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.46(-0.26)	10.57(4.17)	2.03(1.01)
<b>48 Hour</b>	1.86(-0.18)	13.07(3.79)	2.20(1.00)
<b>72 Hour</b>	2.11(-0.05)	13.68(4.56)	2.42(0.95)



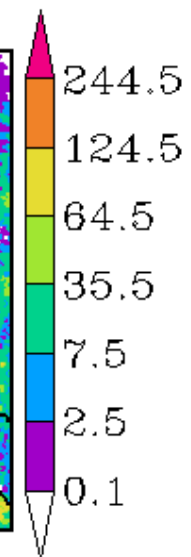
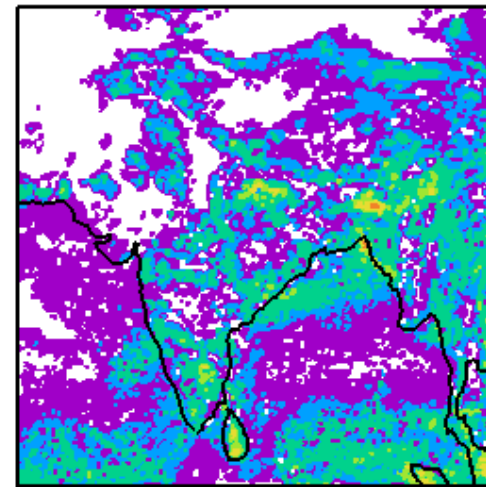
WRF Start Time  
00Z 01102019

Forecast Period  
03Z 01102019-03Z 02102019

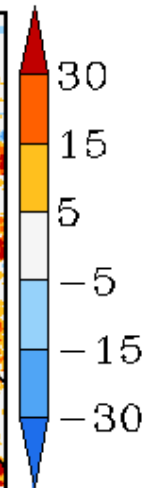
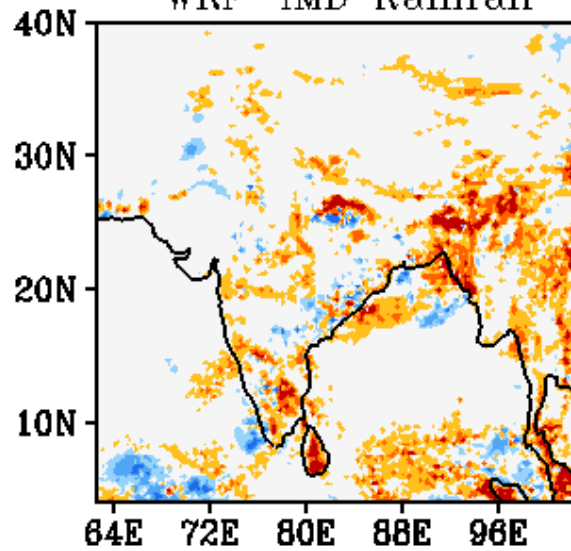
IMD Merged Rainfall



WRF Rainfall 48h FC

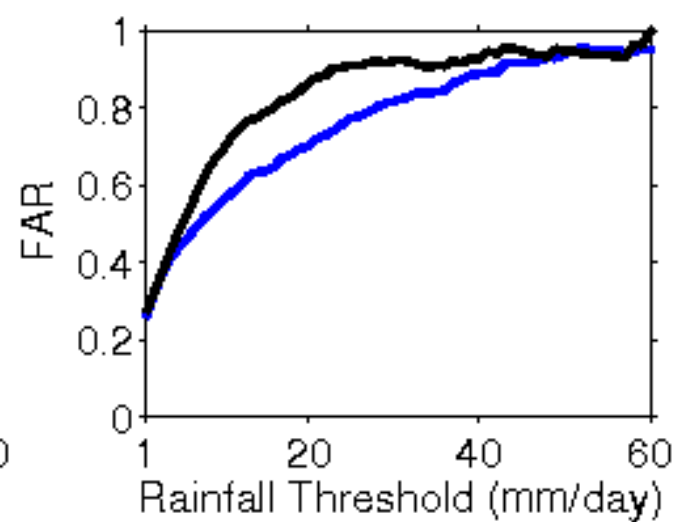
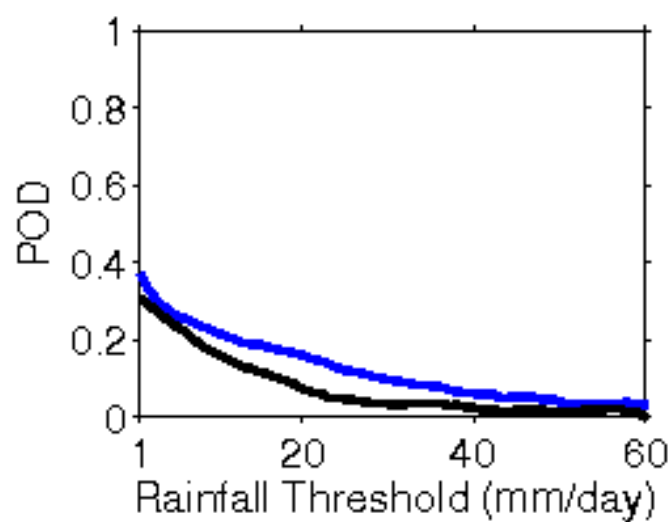
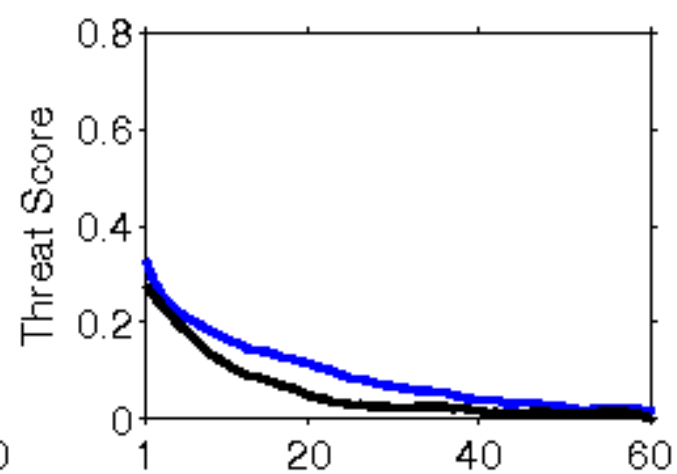
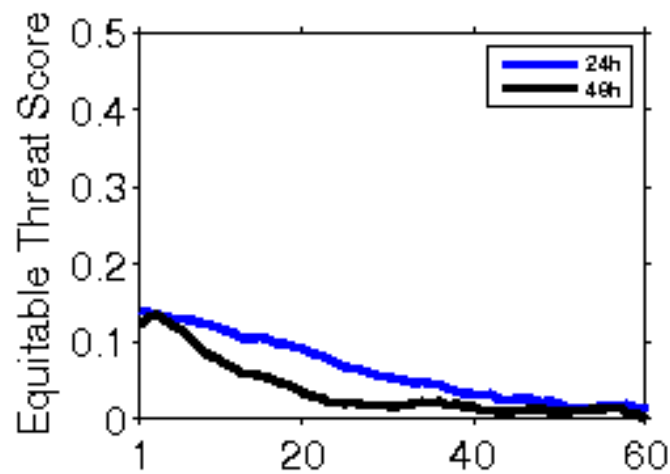


WRF-IMD Rainfall



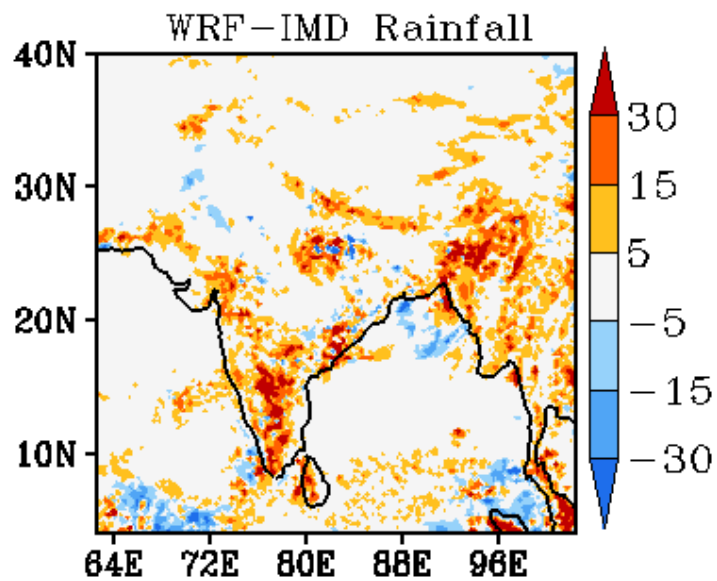
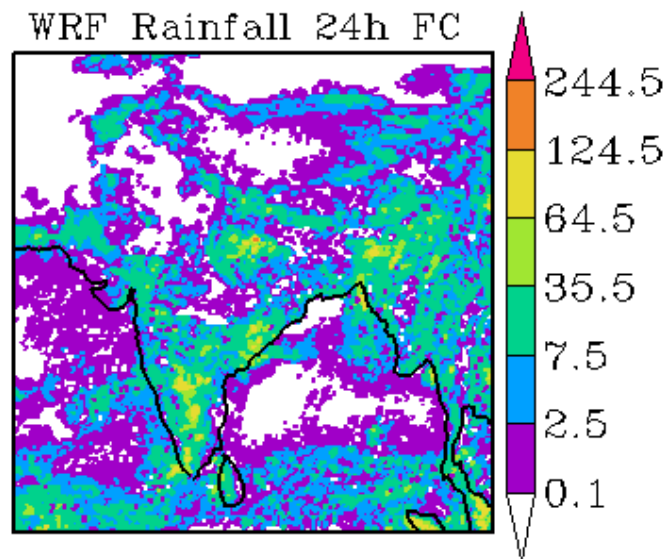
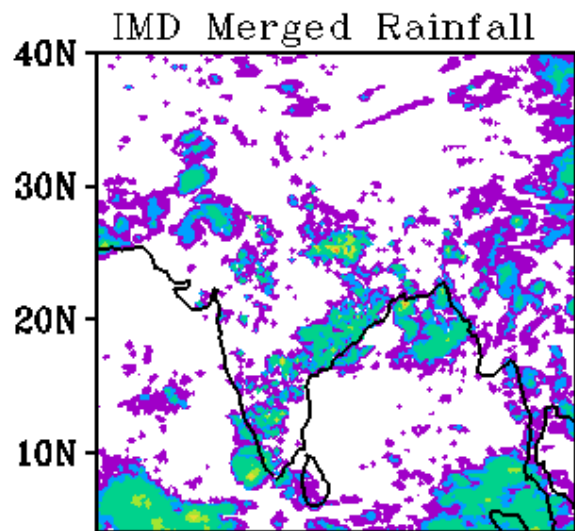
WRF Start Time  
00Z 01102019

Forecast Period  
03Z 02102019-03Z 03102019



**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 02-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

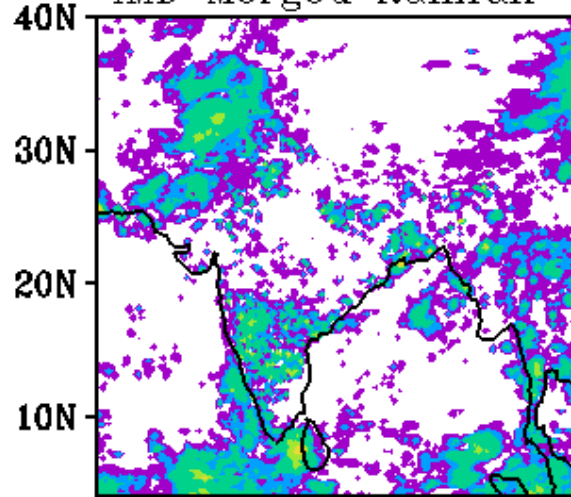
<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.45(-0.32)	11.64(4.50)	2.08(1.16)
<b>48 Hour</b>	1.71(-0.25)	13.15(4.71)	2.11(1.08)
<b>72 Hour</b>	1.75(-0.11)	14.05(5.05)	2.48(1.05)



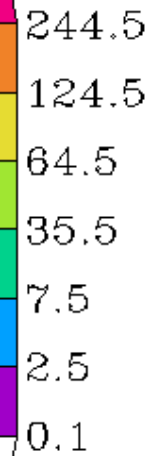
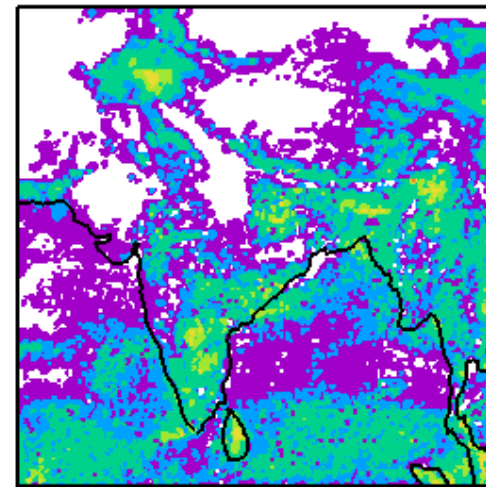
WRF Start Time  
00Z 02102019

Forecast Period  
03Z 02102019-03Z 03102019

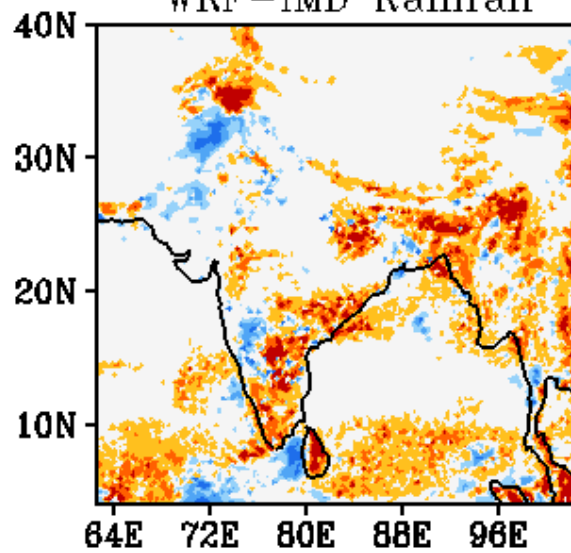
IMD Merged Rainfall



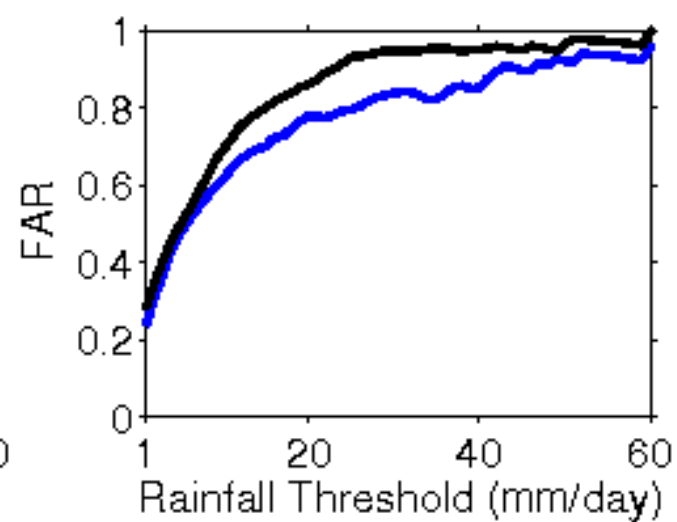
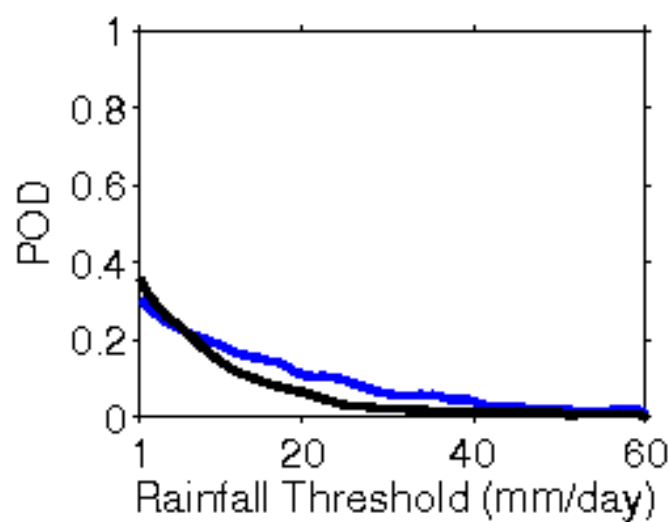
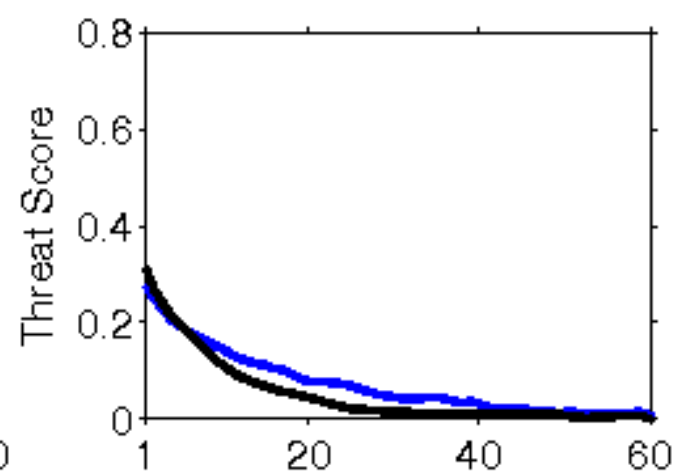
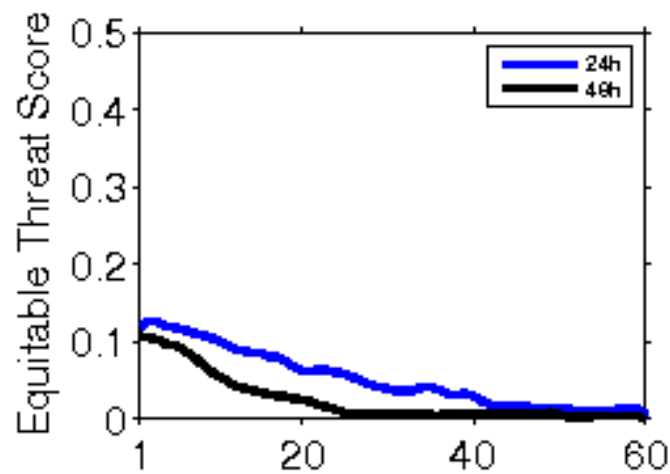
WRF Rainfall 48h FC



WRF-IMD Rainfall



WRF Start Time  
00Z 02102019  
Forecast Period  
03Z 03102019-03Z 04102019

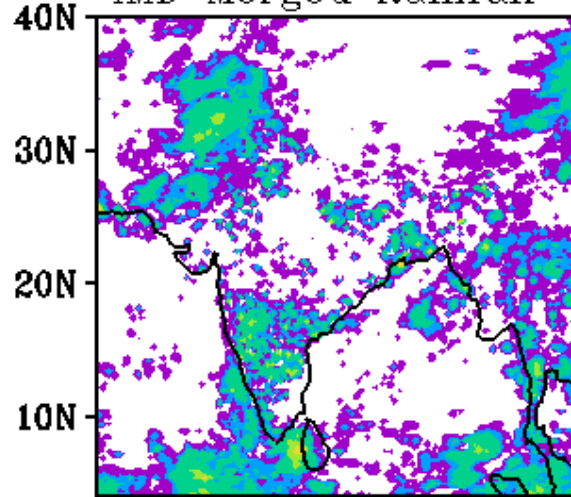




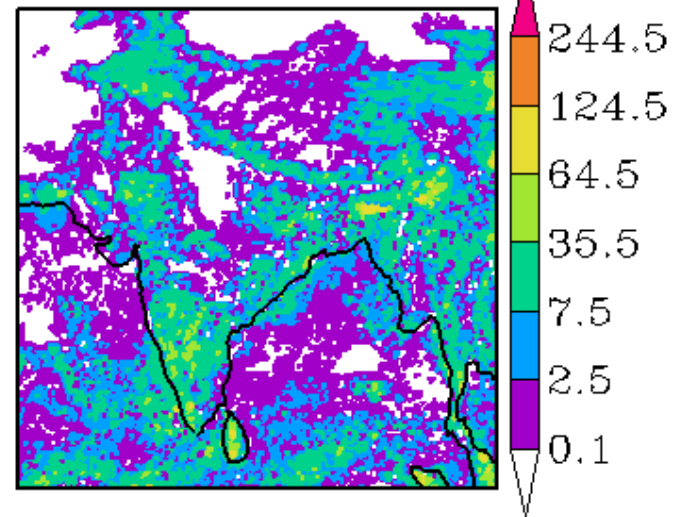
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 03-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.35(-0.22)	11.22(4.50)	1.83(1.02)
<b>48 Hour</b>	1.64(-0.24)	12.87(4.83)	2.44(1.26)
<b>72 Hour</b>	1.75(-0.29)	15.00(4.44)	2.38(1.42)

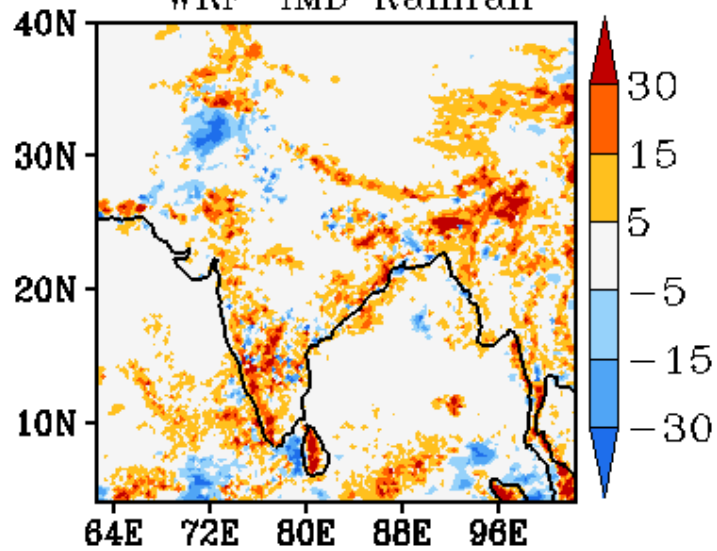
IMD Merged Rainfall



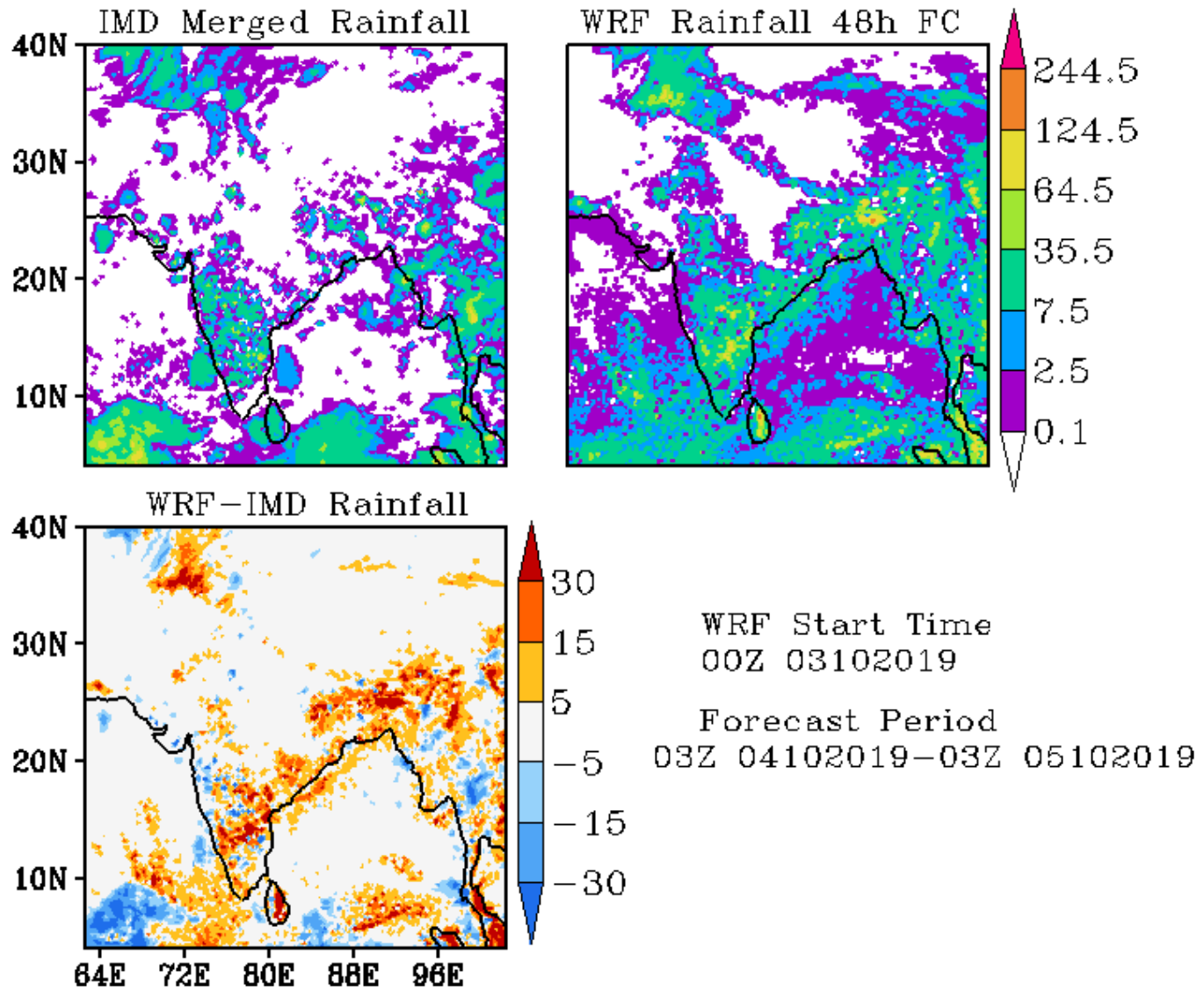
WRF Rainfall 24h FC

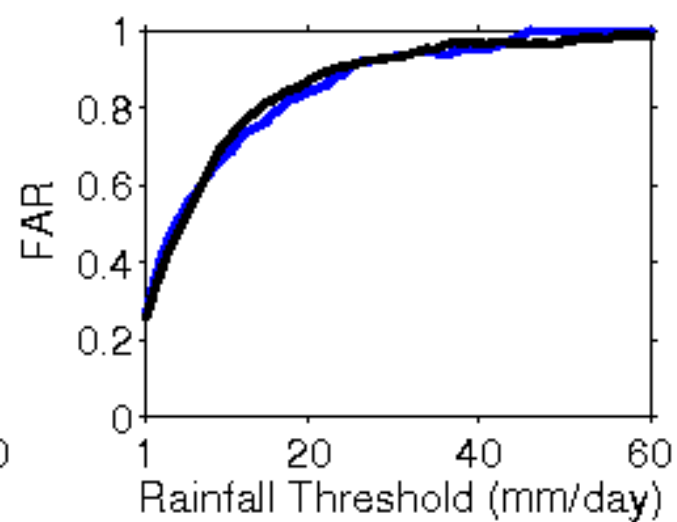
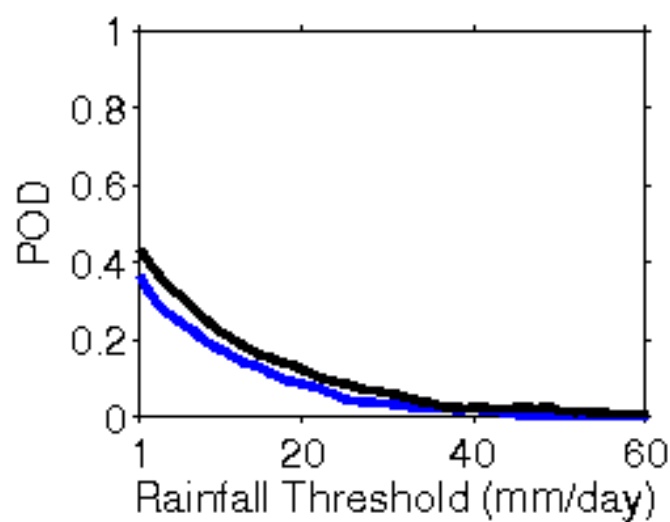
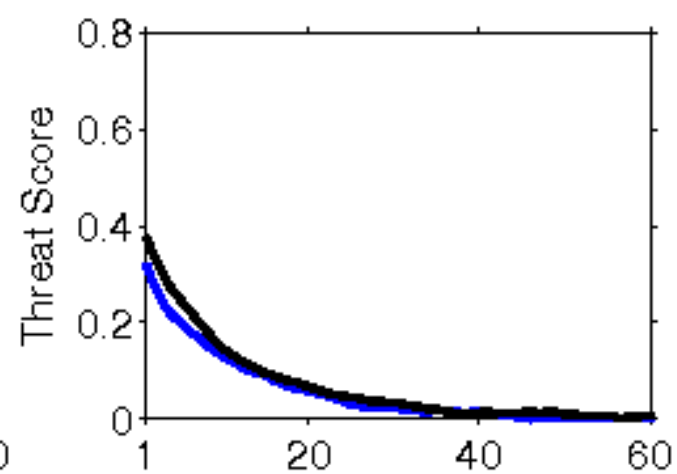
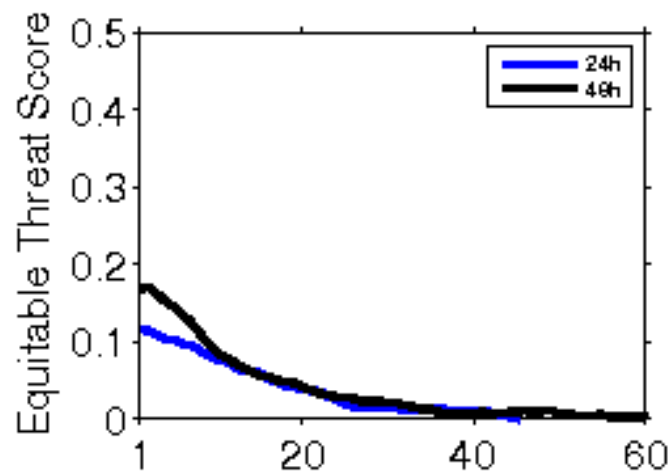


WRF-IMD Rainfall



WRF Start Time  
00Z 03102019  
Forecast Period  
03Z 03102019-03Z 04102019

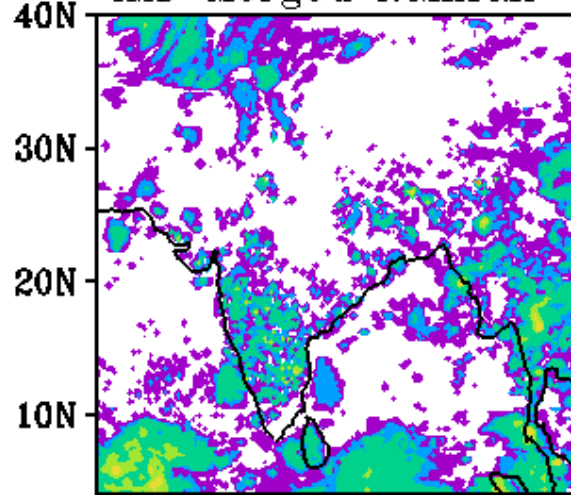




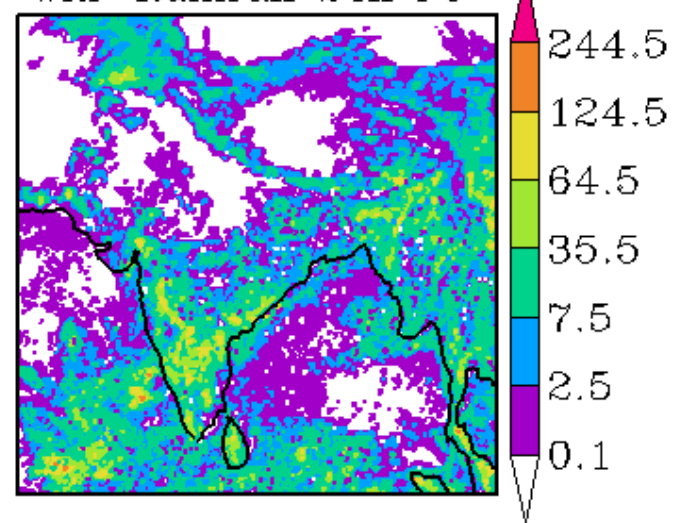
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 04-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.34(-0.33)	11.06(5.10)	1.96(1.21)
<b>48 Hour</b>	1.54(-0.06)	13.26(4.41)	1.98(1.63)
<b>72 Hour</b>	1.62(-0.05)	14.28(4.23)	2.09(1.63)

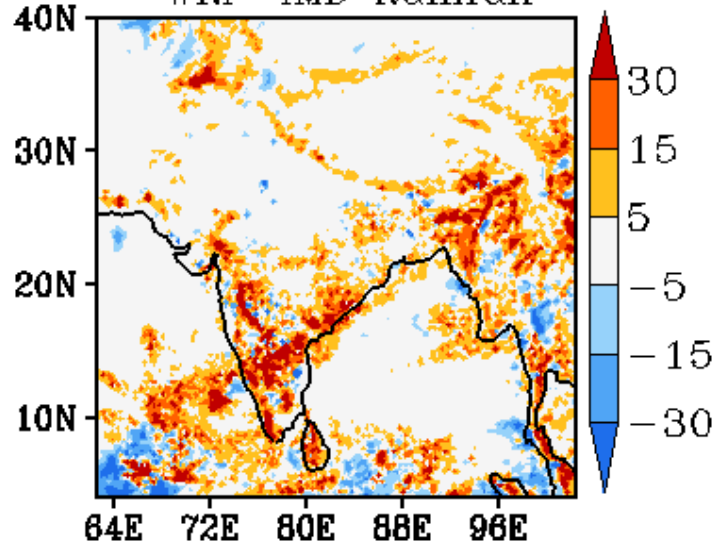
IMD Merged Rainfall



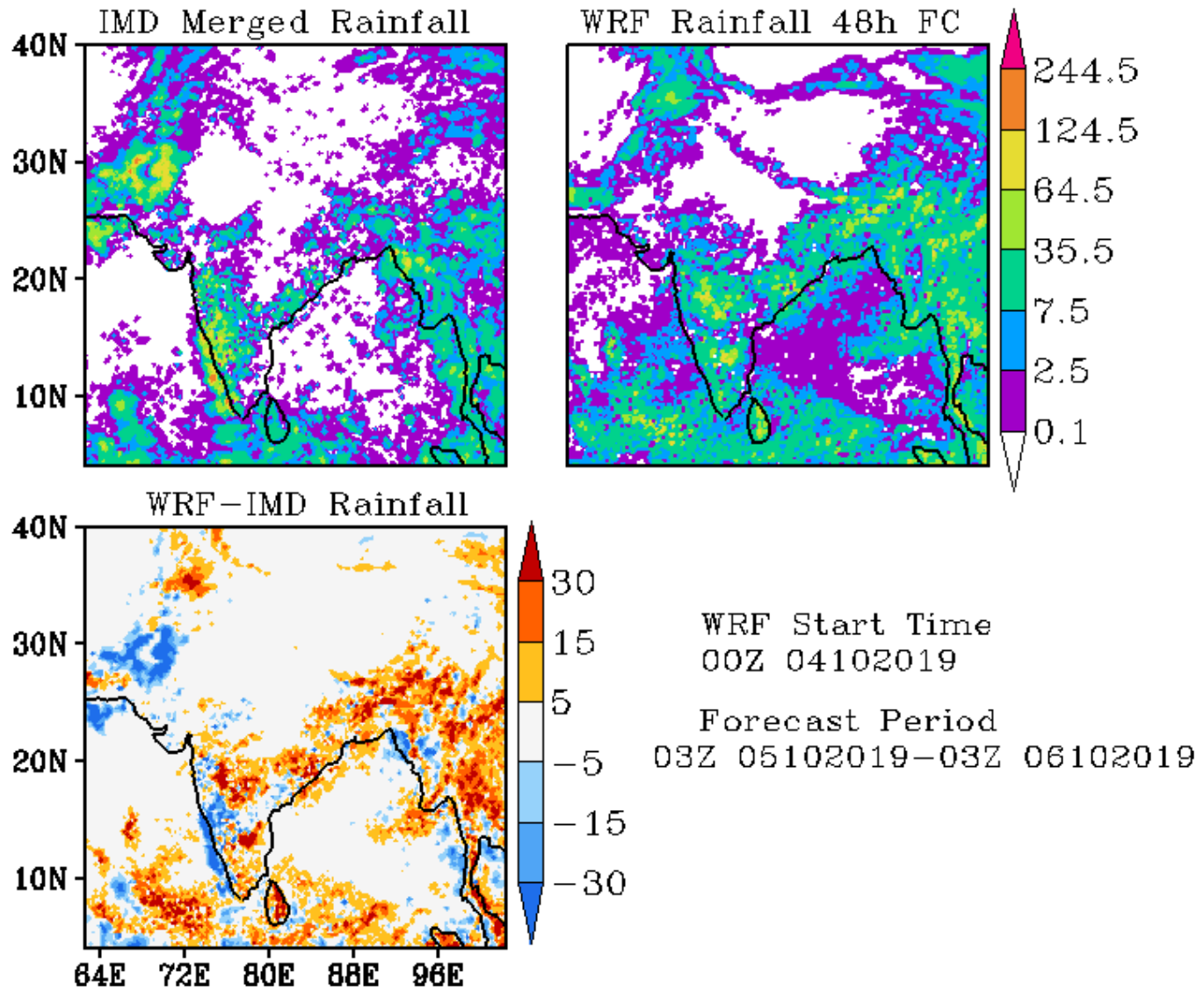
WRF Rainfall 24h FC

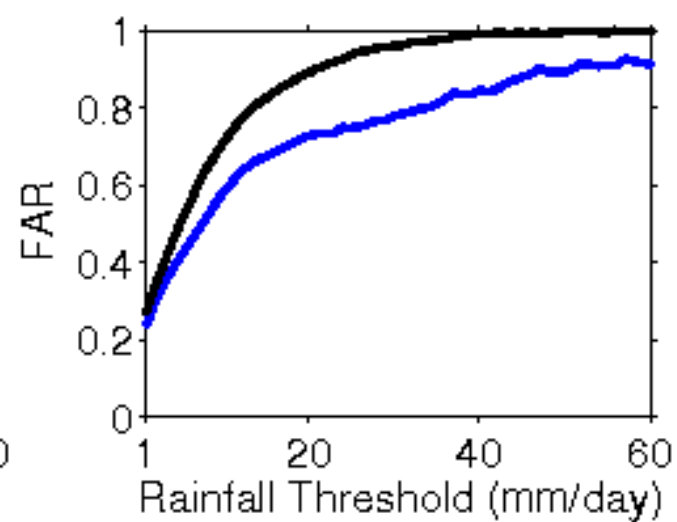
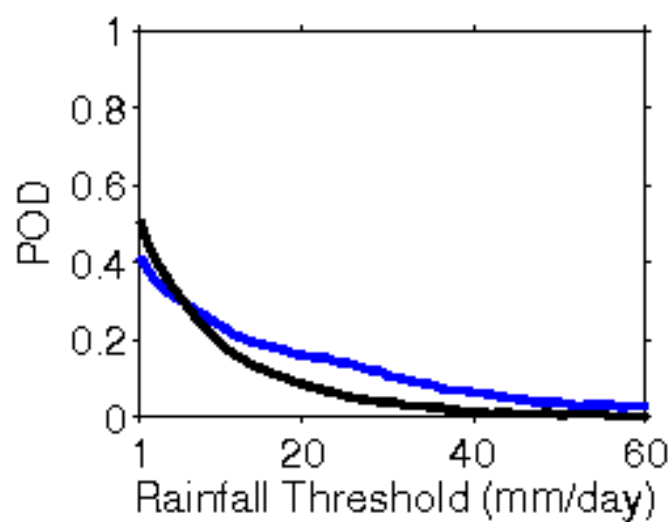
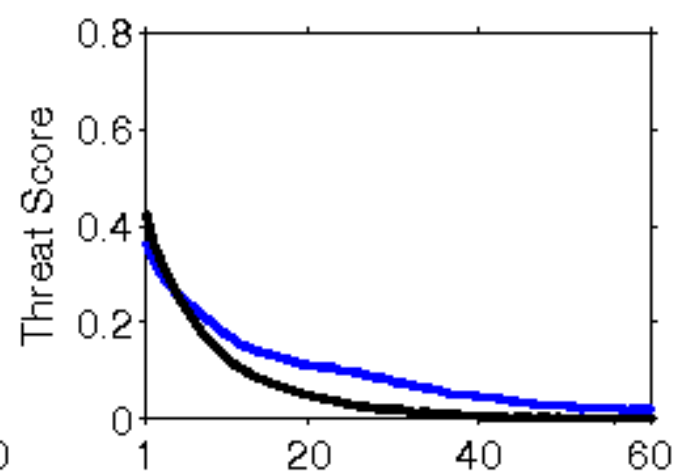
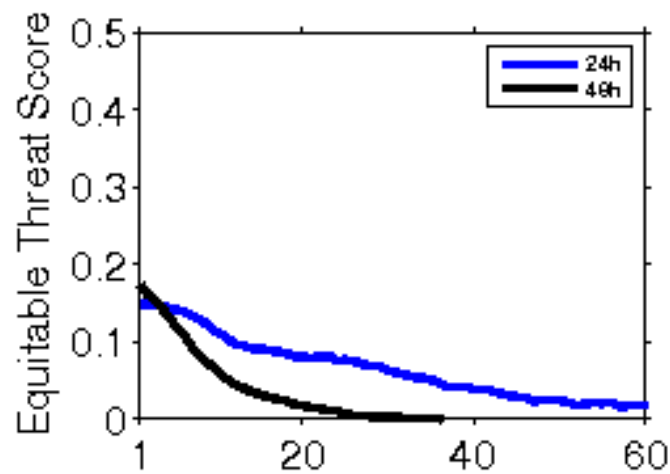


WRF-IMD Rainfall



WRF Start Time  
00Z 04102019  
Forecast Period  
03Z 04102019-03Z 05102019

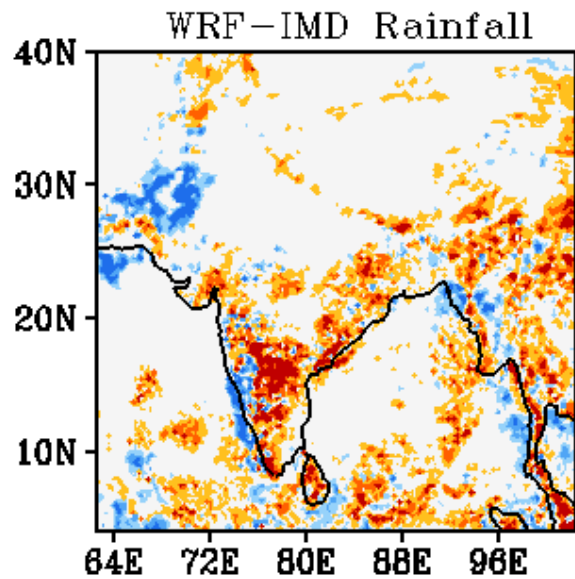
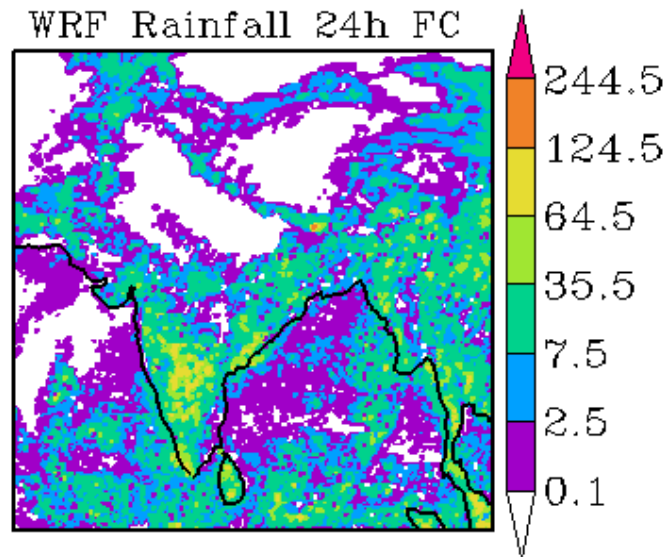
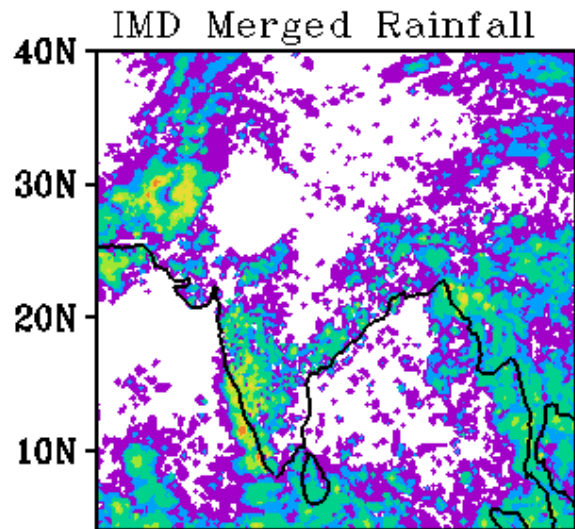






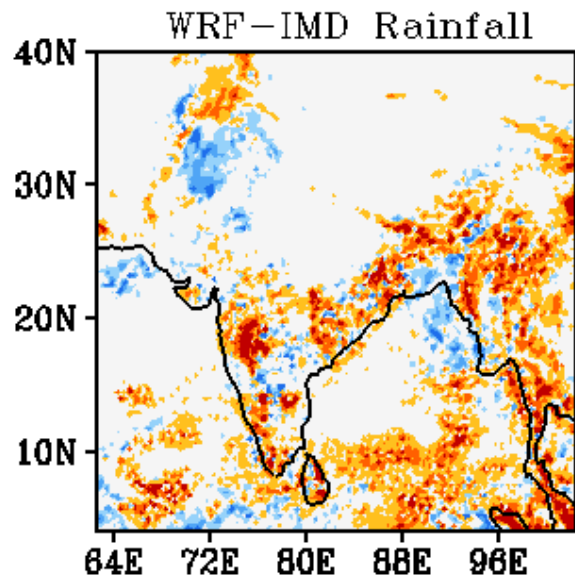
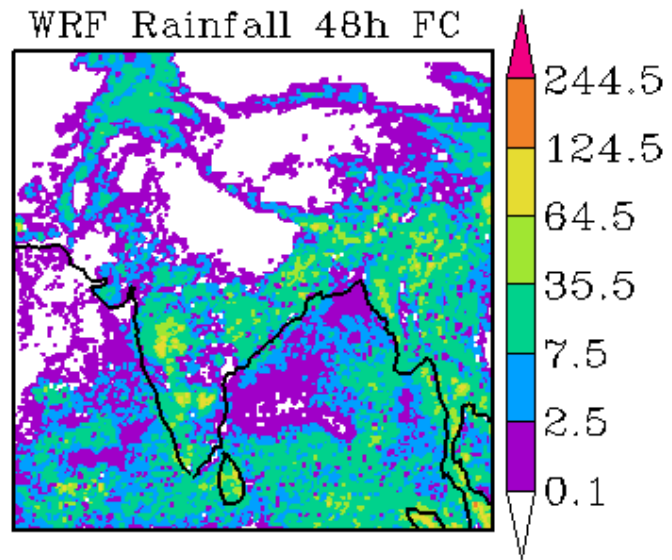
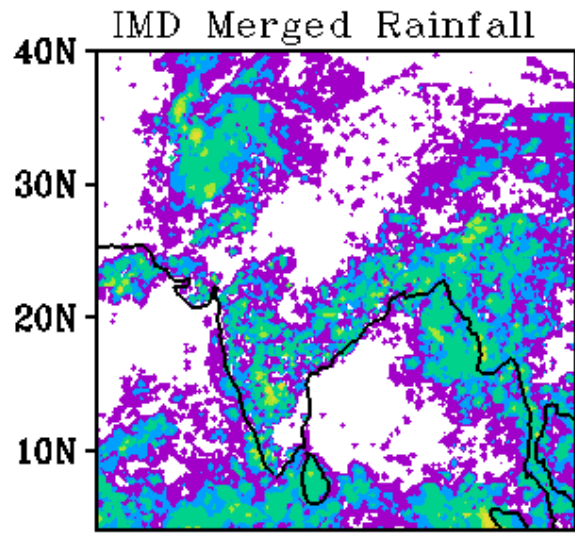
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 05-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.40(-0.34)	11.90(5.60)	1.97(1.15)
<b>48 Hour</b>	1.59(-0.18)	13.23(4.46)	1.97(1.14)
<b>72 Hour</b>	1.76(0.01)	14.64(4.41)	2.16(1.61)



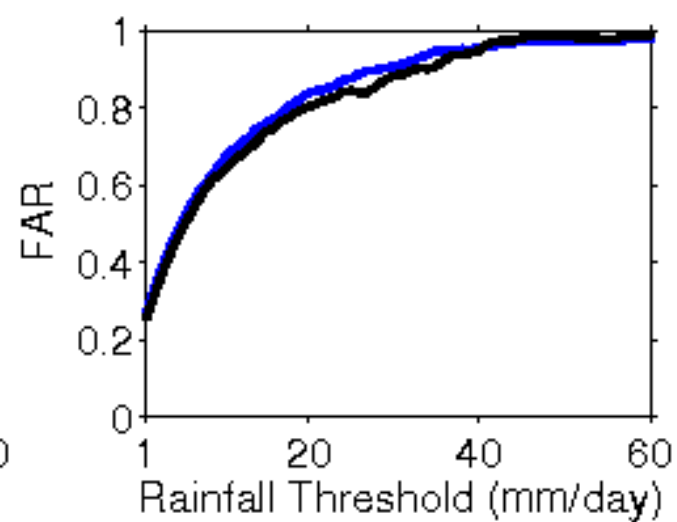
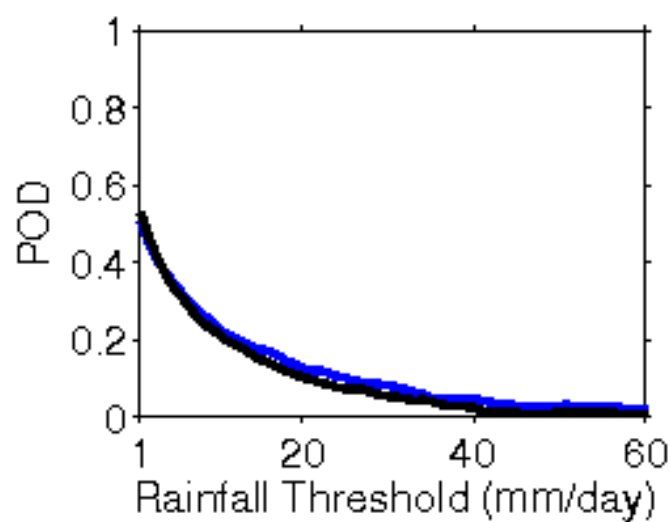
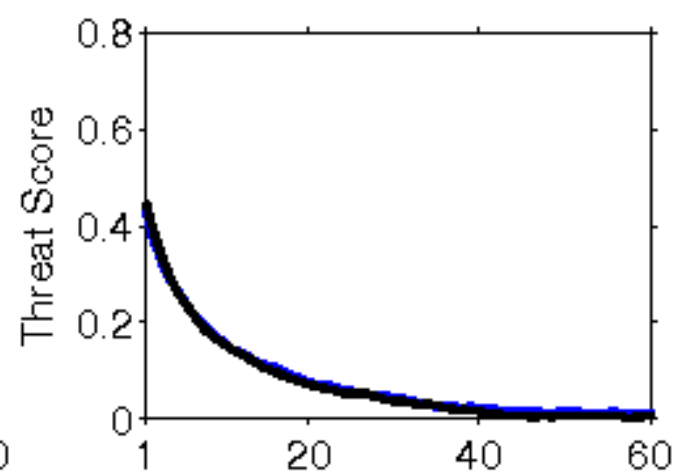
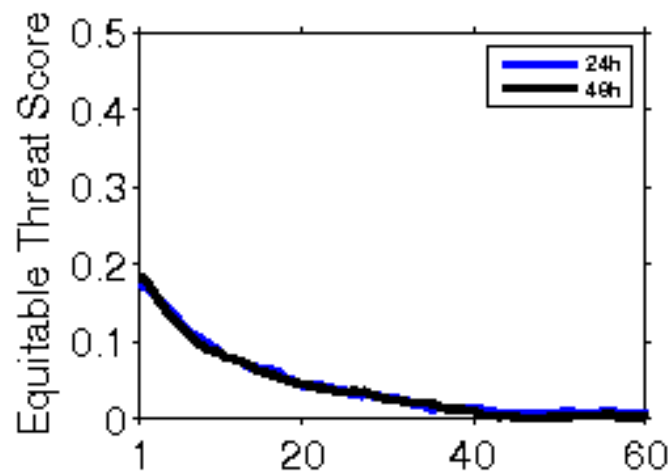
WRF Start Time  
00Z 05102019

Forecast Period  
03Z 05102019-03Z 06102019



WRF Start Time  
00Z 05102019

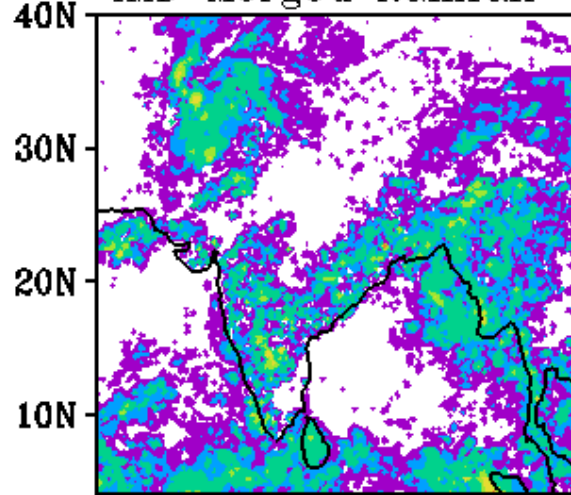
Forecast Period  
03Z 06102019-03Z 07102019



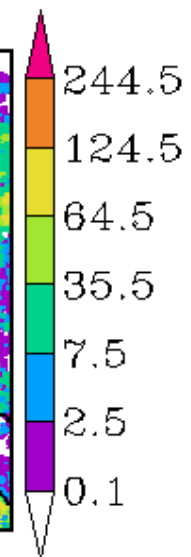
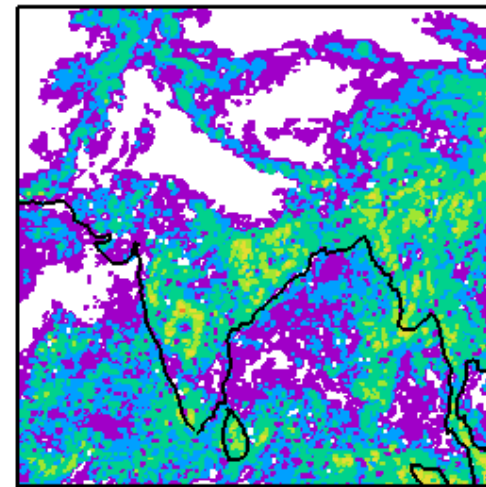
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 06-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.33(-0.41)	11.94(5.74)	1.73(0.96)
<b>48 Hour</b>	1.49(-0.22)	14.22(5.44)	2.03(1.25)
<b>72 Hour</b>	1.69(0.04)	16.41(5.12)	2.22(1.52)

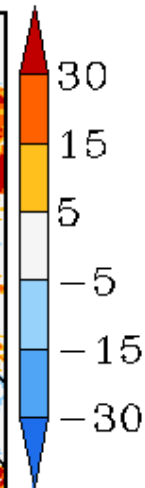
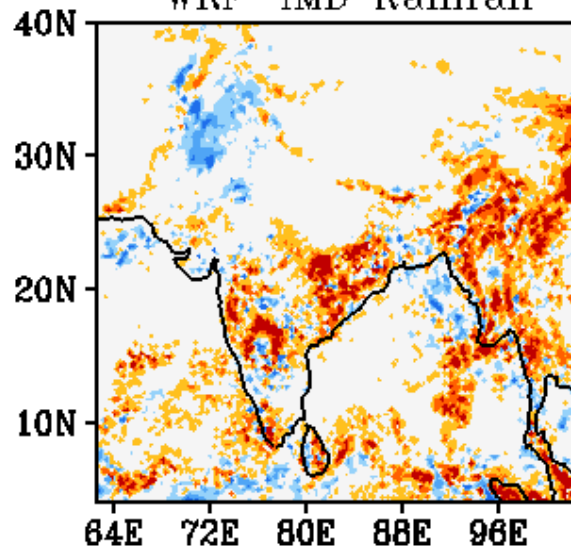
IMD Merged Rainfall



WRF Rainfall 24h FC

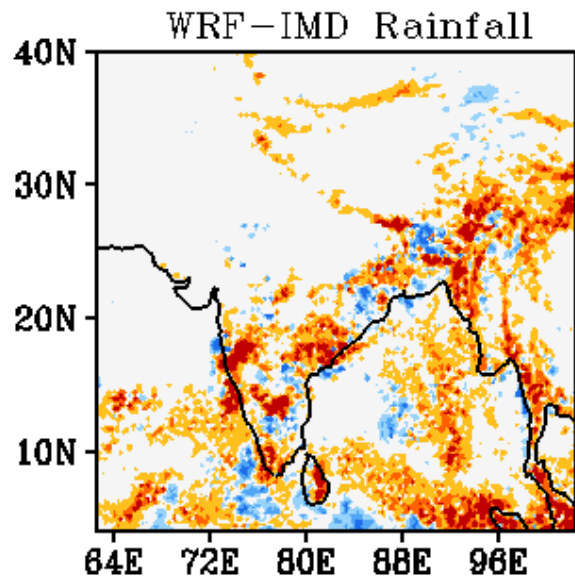
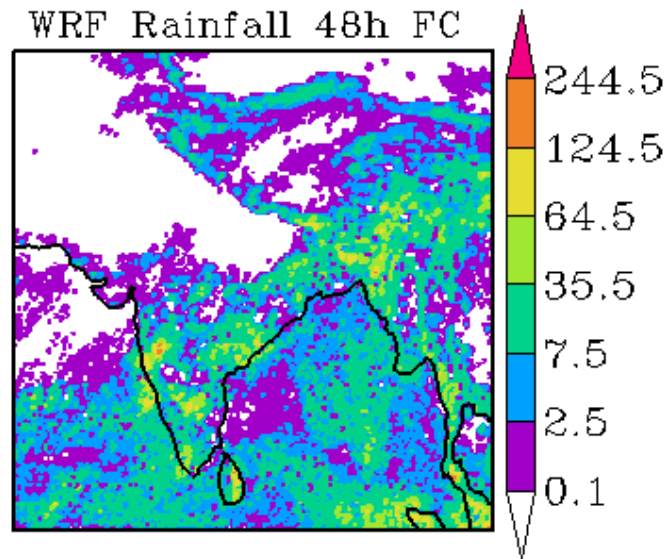
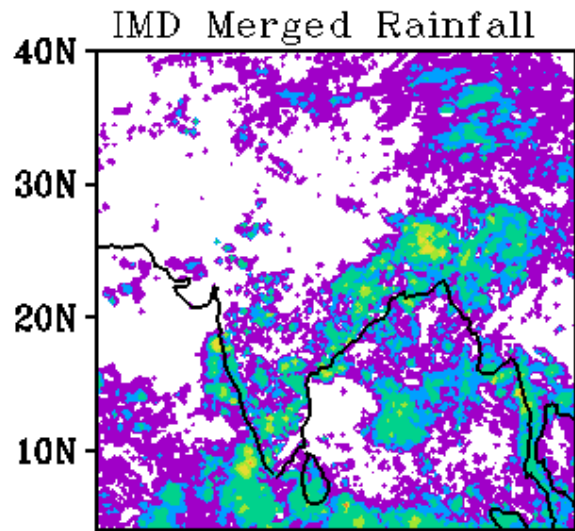


WRF-IMD Rainfall



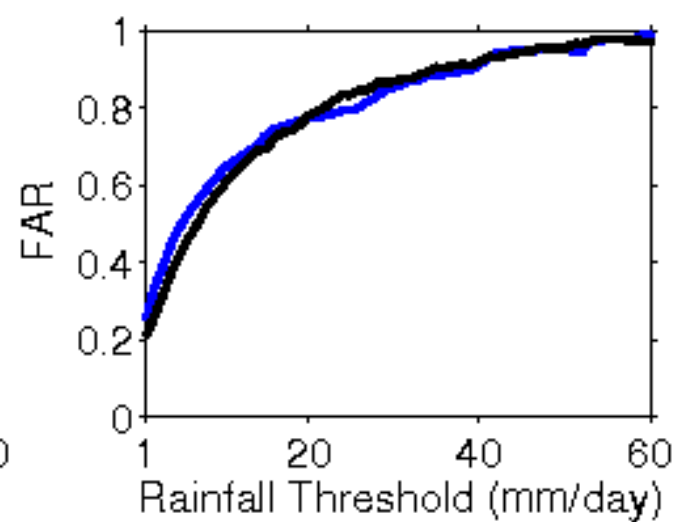
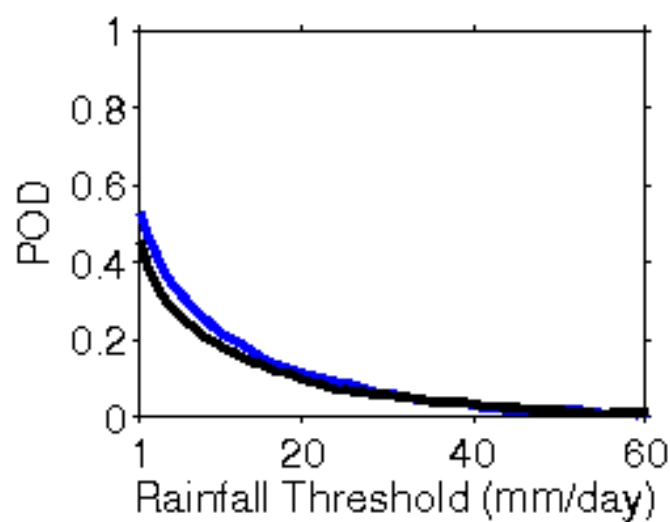
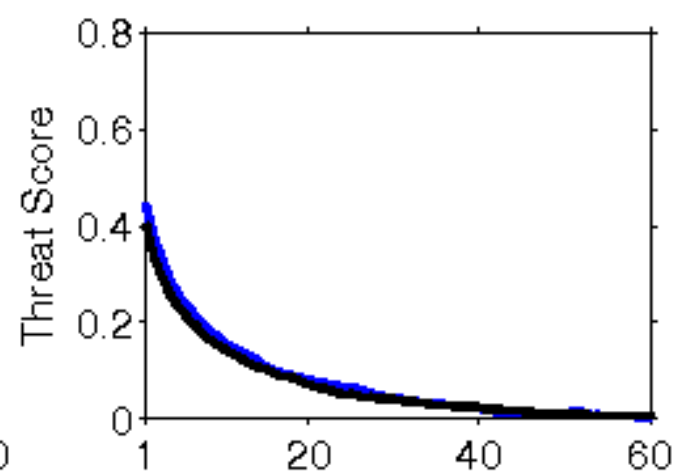
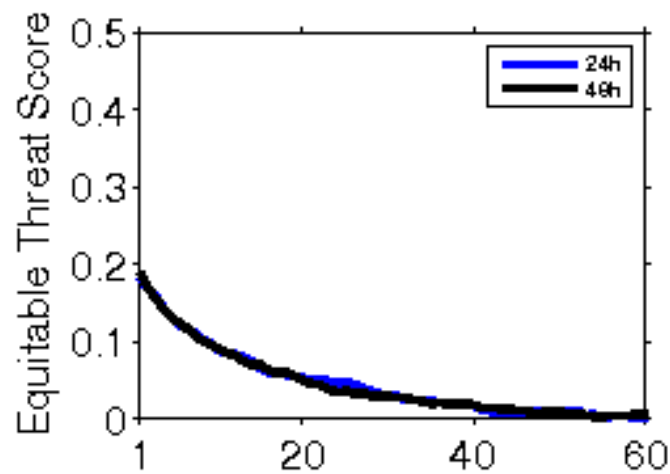
WRF Start Time  
00Z 06102019

Forecast Period  
03Z 06102019-03Z 07102019



WRF Start Time  
00Z 06102019

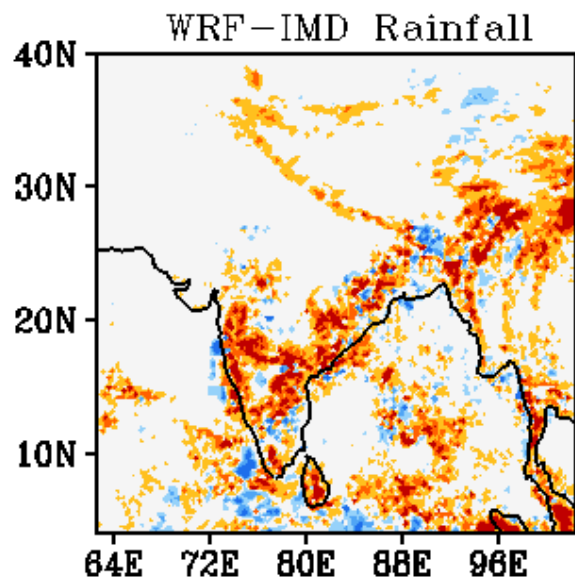
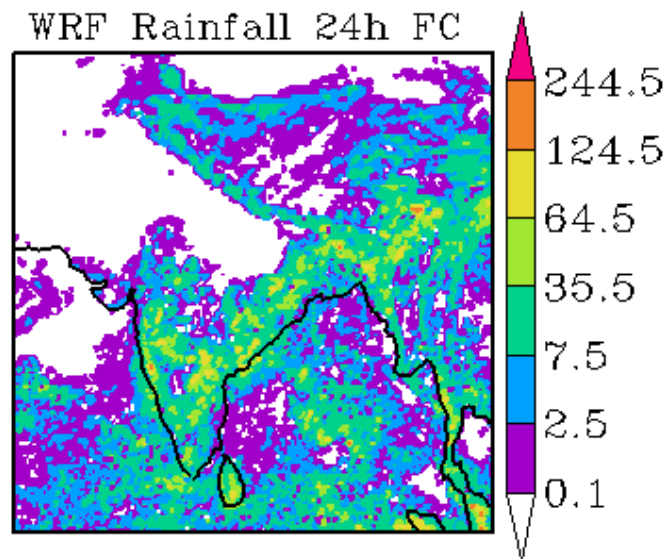
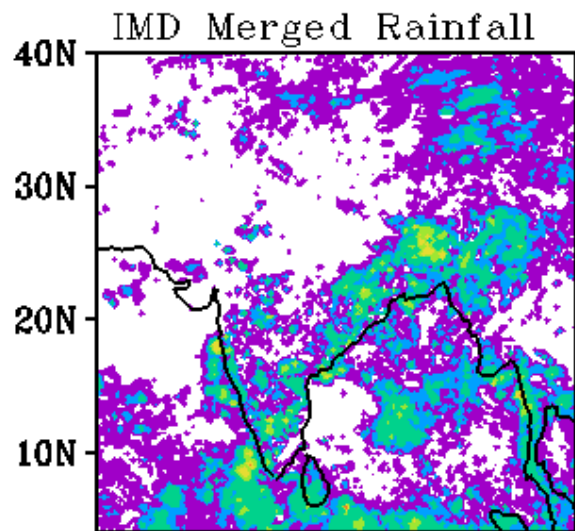
Forecast Period  
03Z 07102019-03Z 08102019





**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 07-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

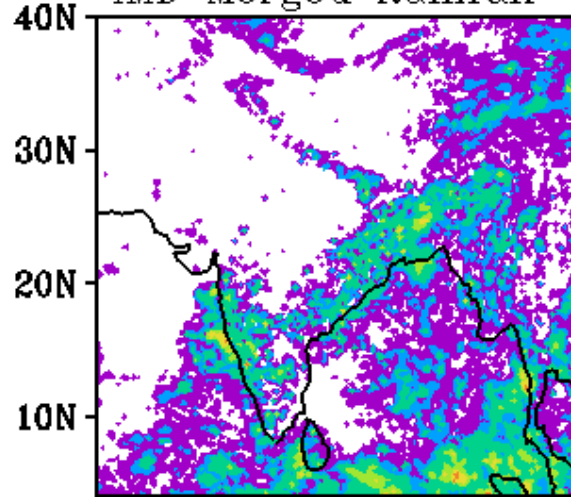
<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.24(-0.33)	12.06(5.98)	1.90(0.96)
<b>48 Hour</b>	1.90(-0.14)	16.04(5.25)	2.19(1.11)
<b>72 Hour</b>	2.08(-0.04)	17.27(4.04)	2.41(1.50)



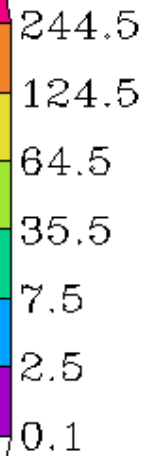
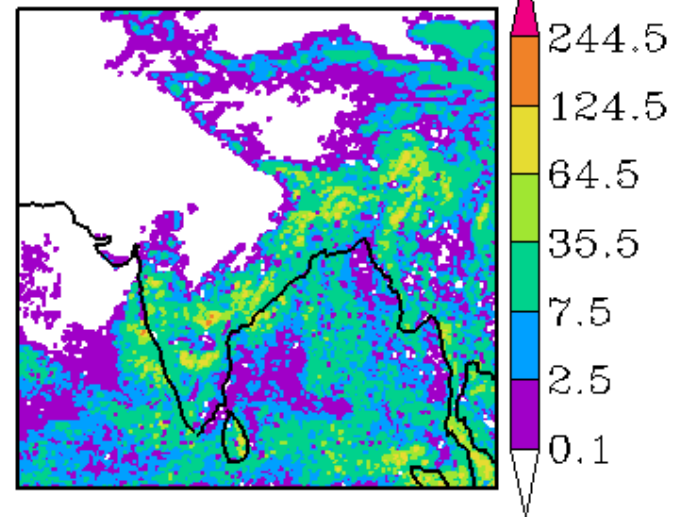
WRF Start Time  
00Z 07102019

Forecast Period  
03Z 07102019-03Z 08102019

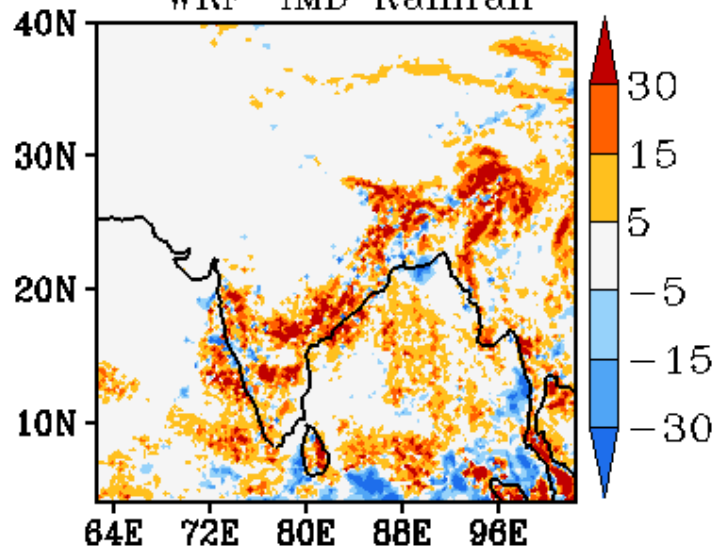
IMD Merged Rainfall



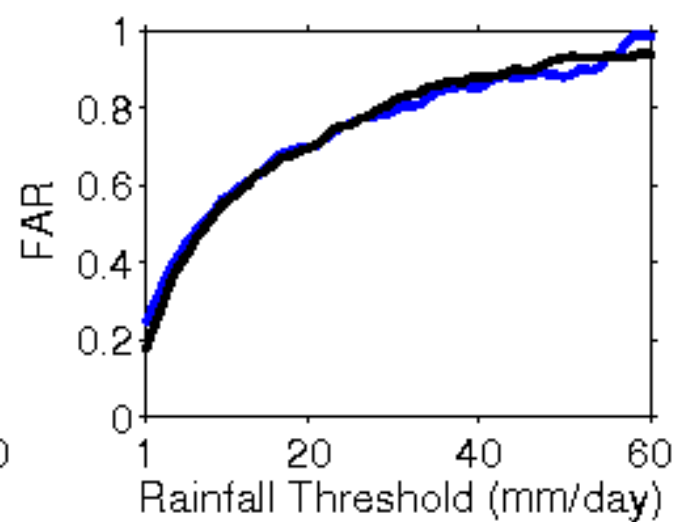
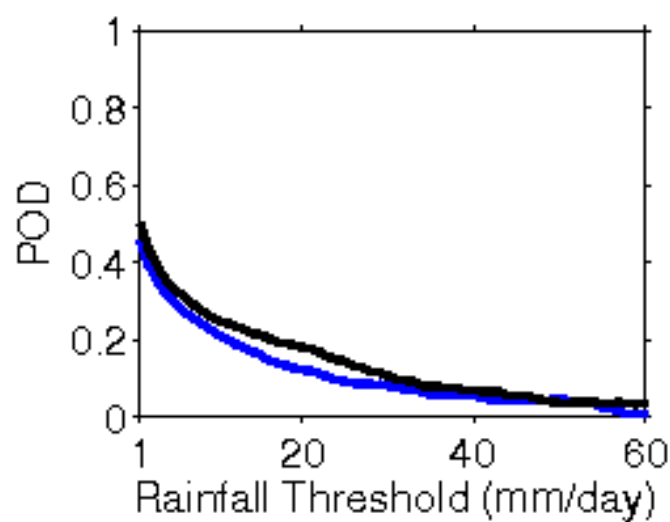
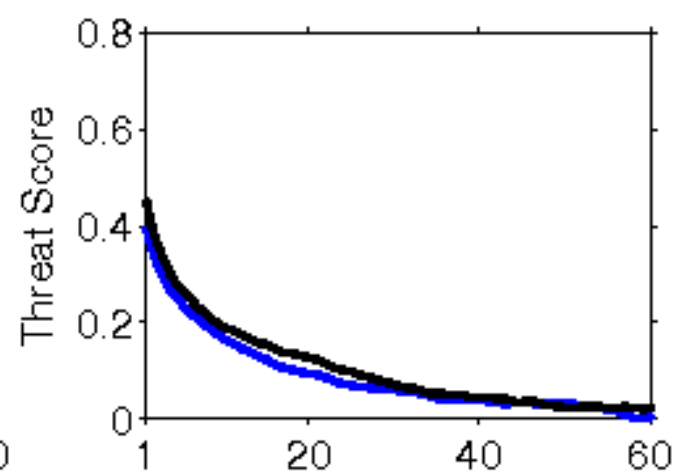
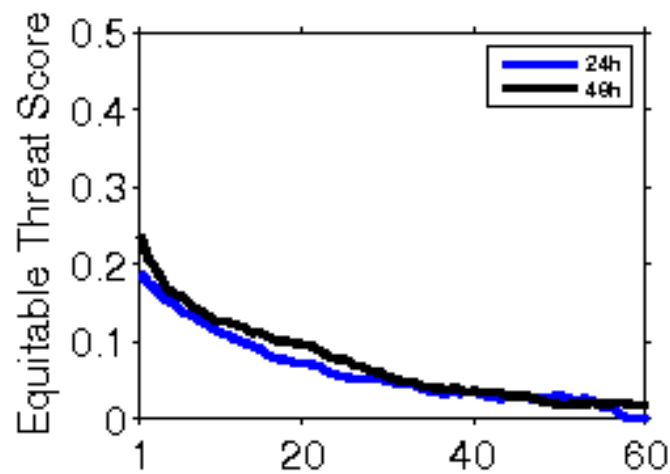
WRF Rainfall 48h FC



WRF-IMD Rainfall

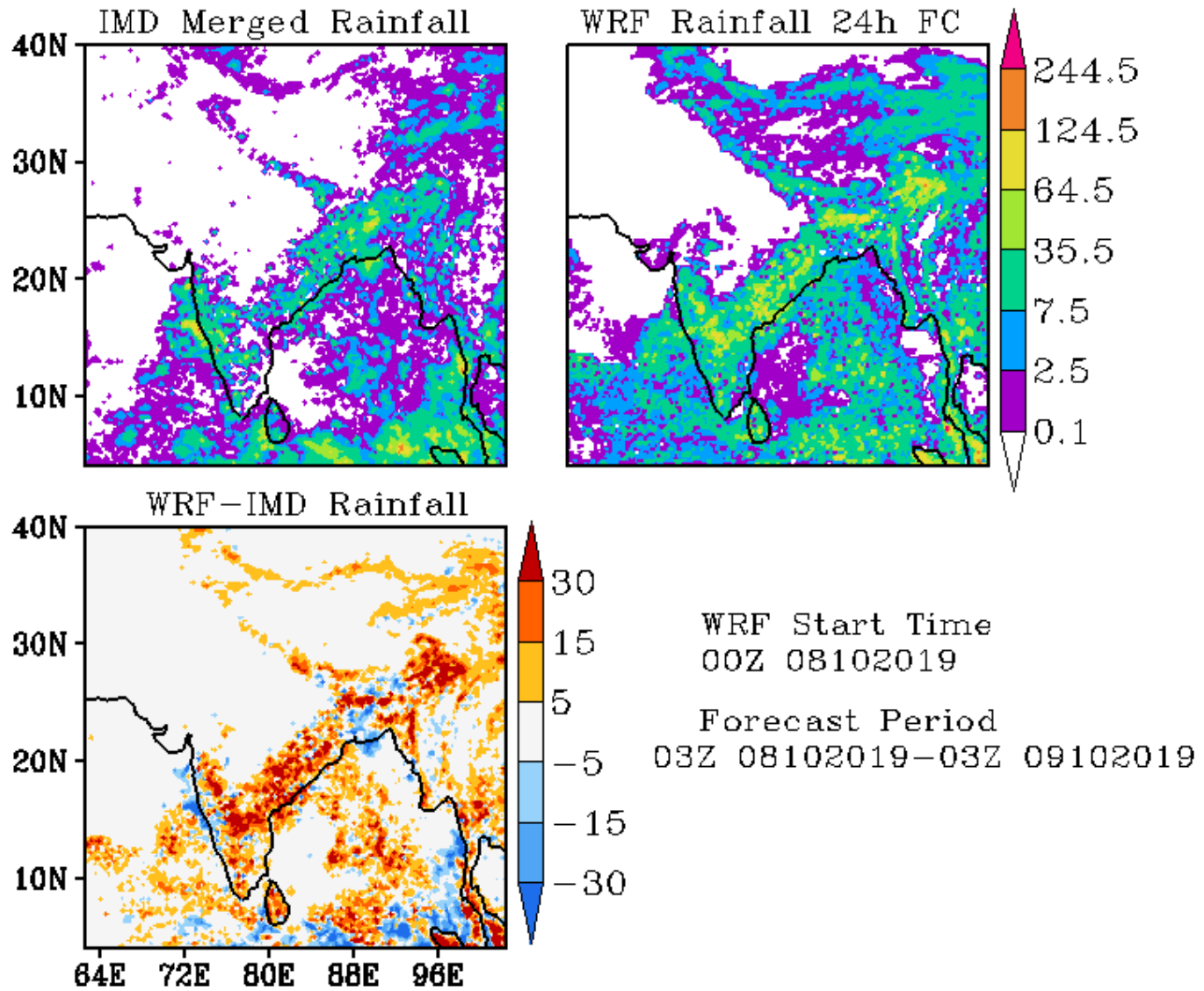


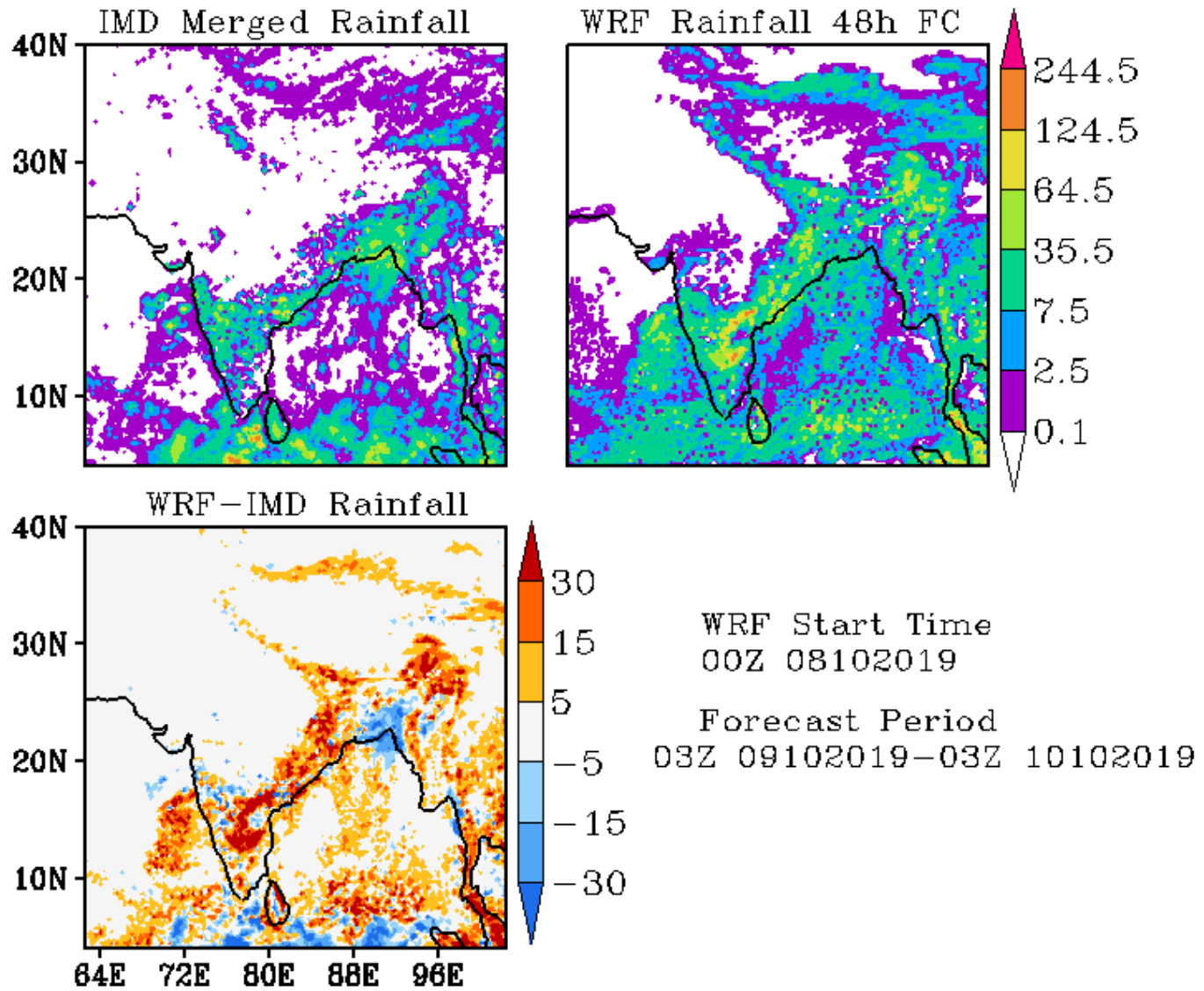
WRF Start Time  
00Z 07102019  
Forecast Period  
03Z 08102019-03Z 09102019

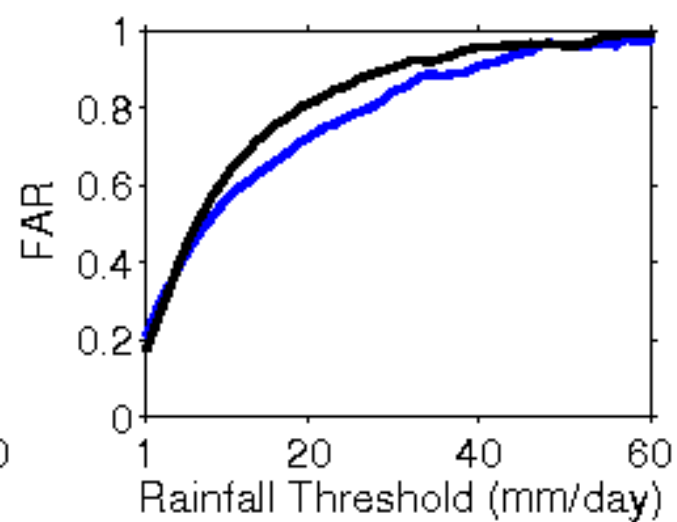
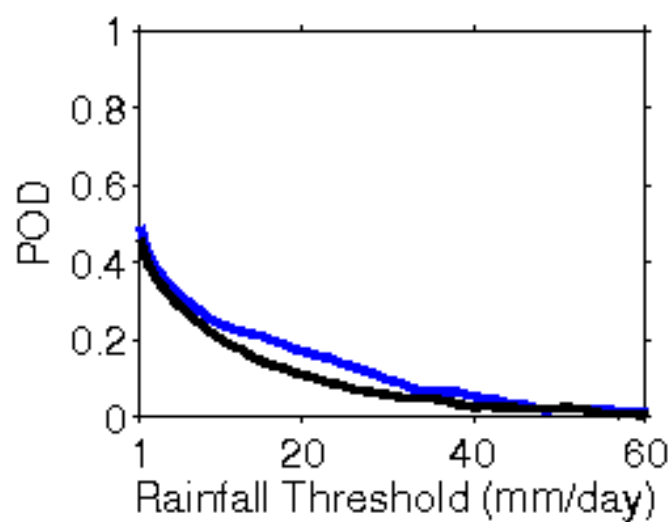
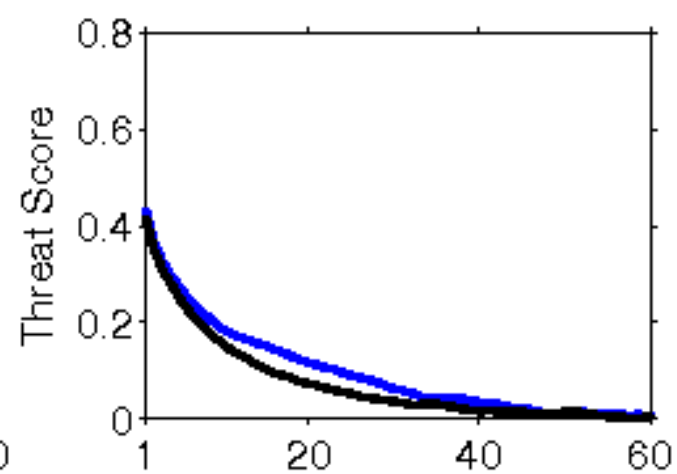
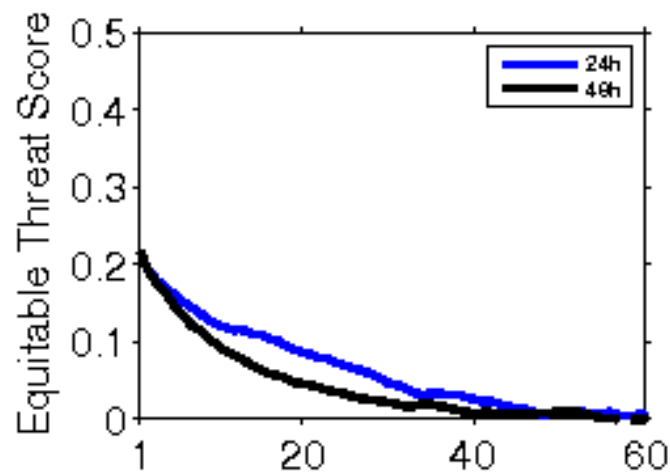


**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 08-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.36(-0.35)	10.89(4.59)	1.87(0.83)
<b>48 Hour</b>	1.66(-0.28)	12.59(3.71)	2.18(0.91)
<b>72 Hour</b>	2.00(-0.05)	13.85(3.39)	2.23(1.03)





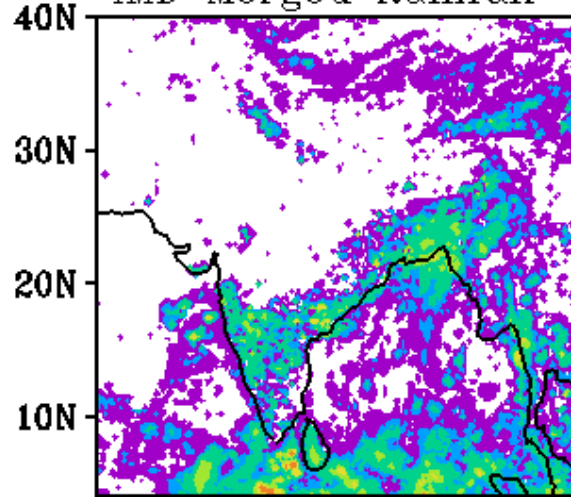




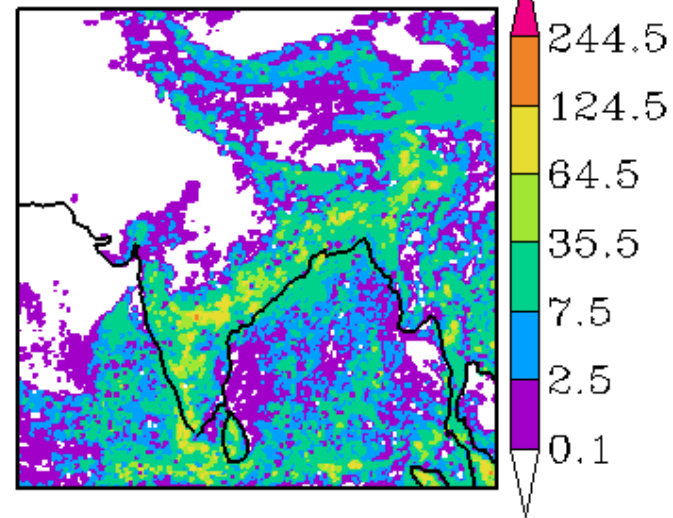
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 09-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
<b>24 Hour</b>	1.41(-0.37)	11.42(5.02)	1.96(0.97)
<b>48 Hour</b>	1.76(-0.20)	12.98(3.68)	2.26(1.16)
<b>72 Hour</b>	1.82(-0.10)	13.99(2.89)	2.37(1.23)

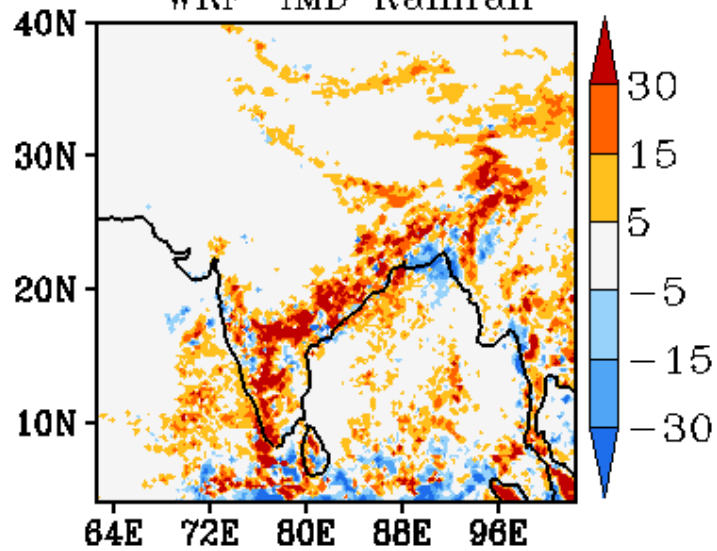
IMD Merged Rainfall



WRF Rainfall 24h FC

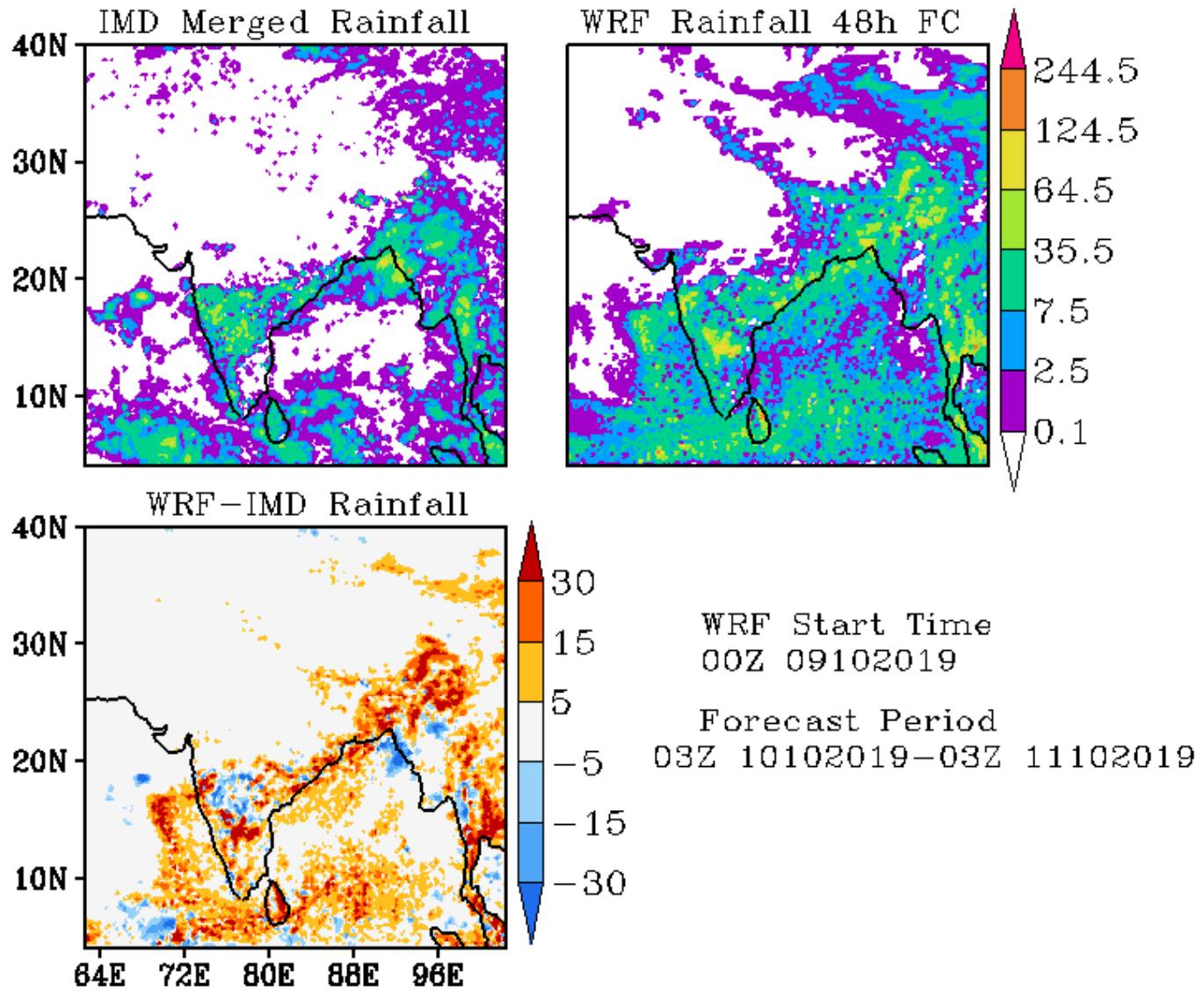


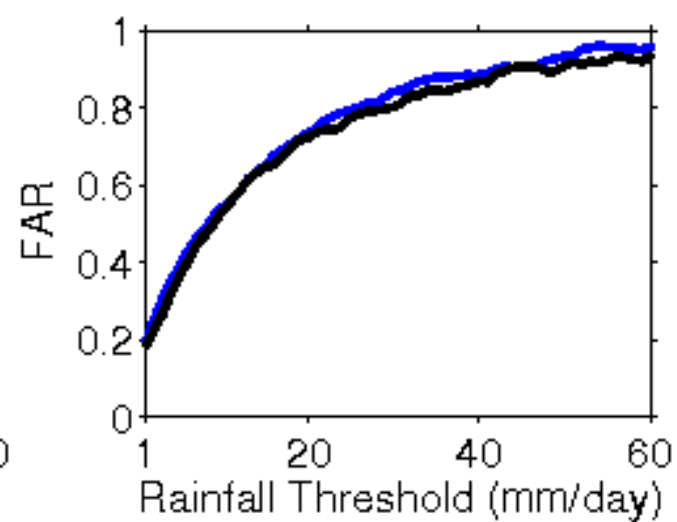
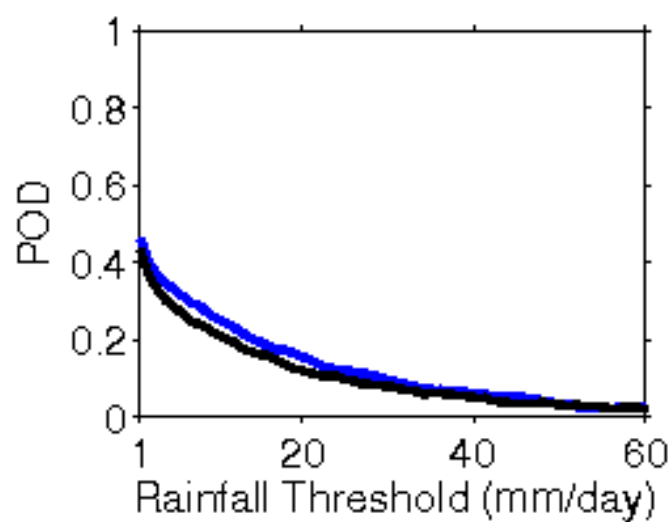
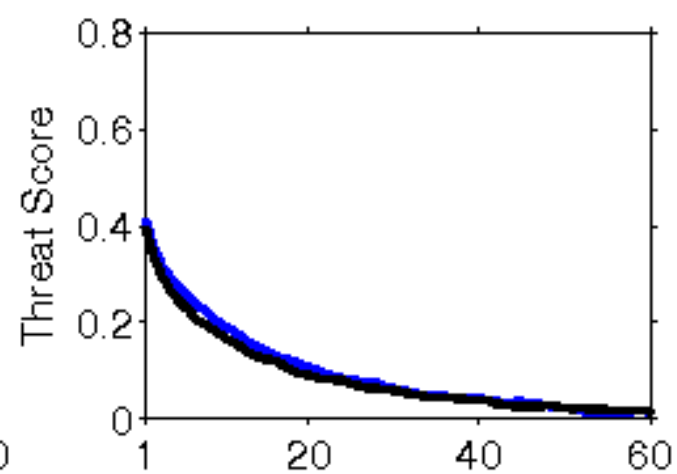
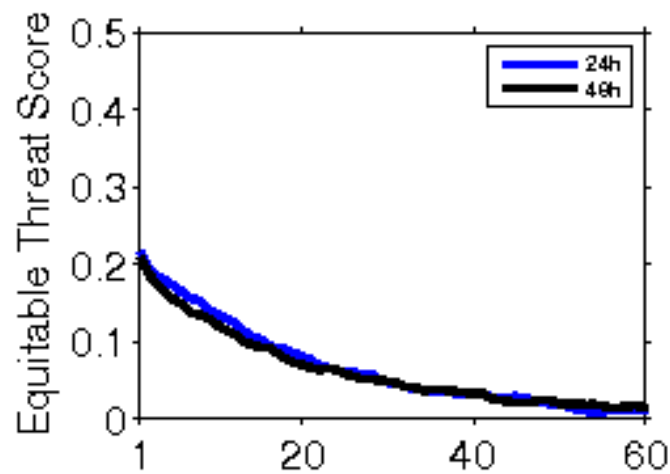
WRF-IMD Rainfall



WRF Start Time  
00Z 09102019

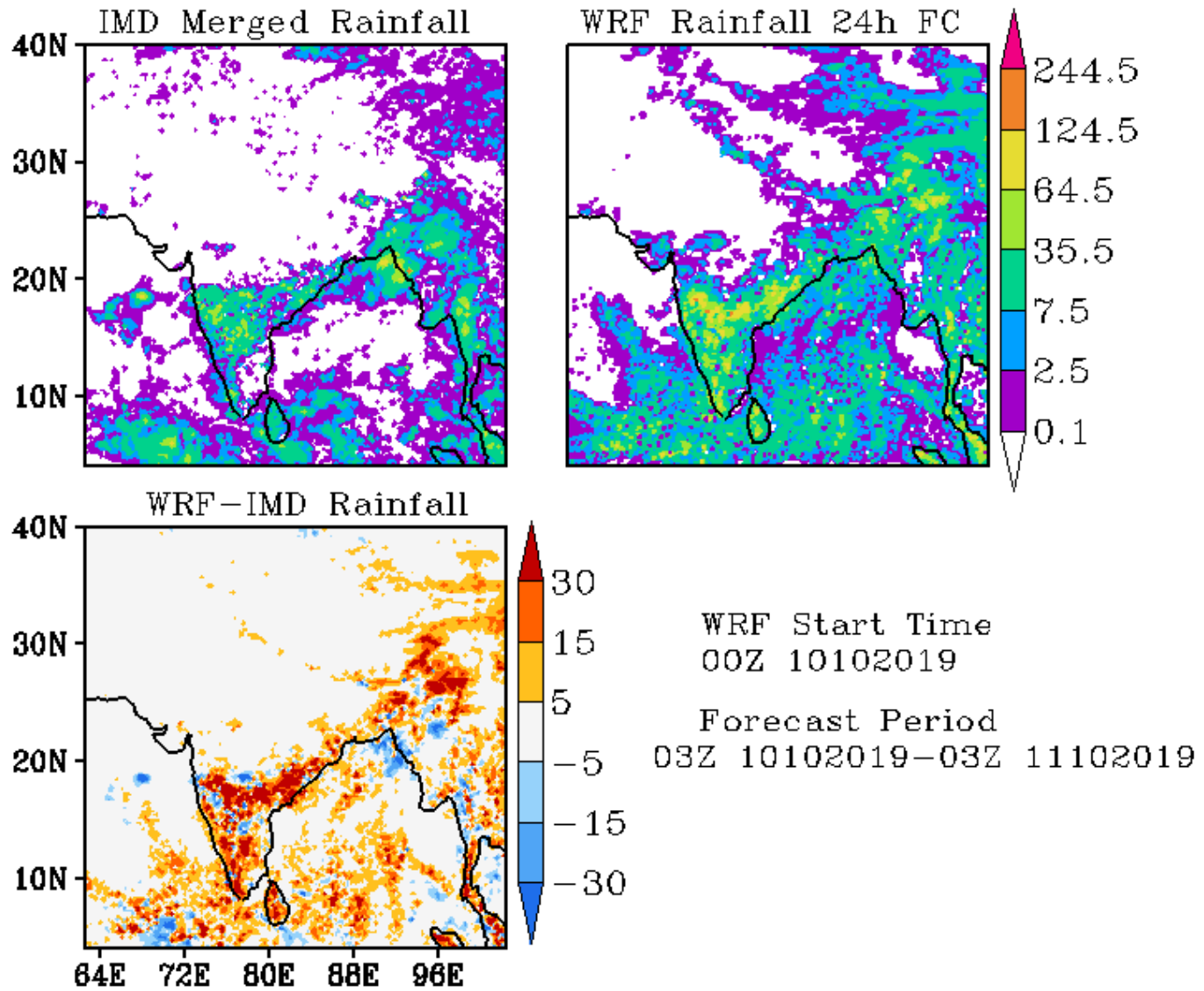
Forecast Period  
03Z 09102019-03Z 10102019

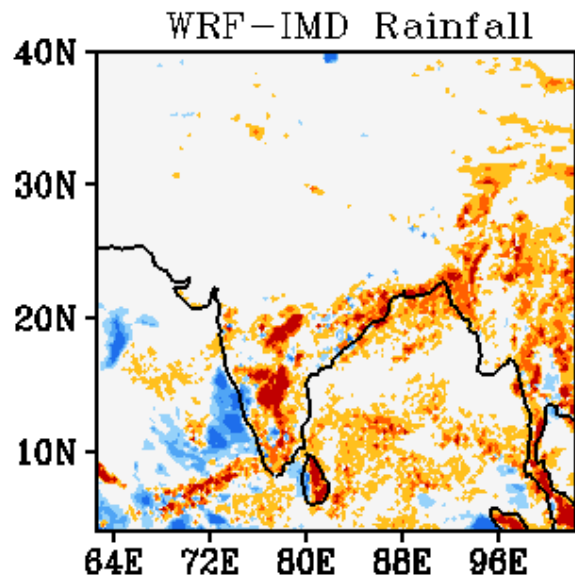
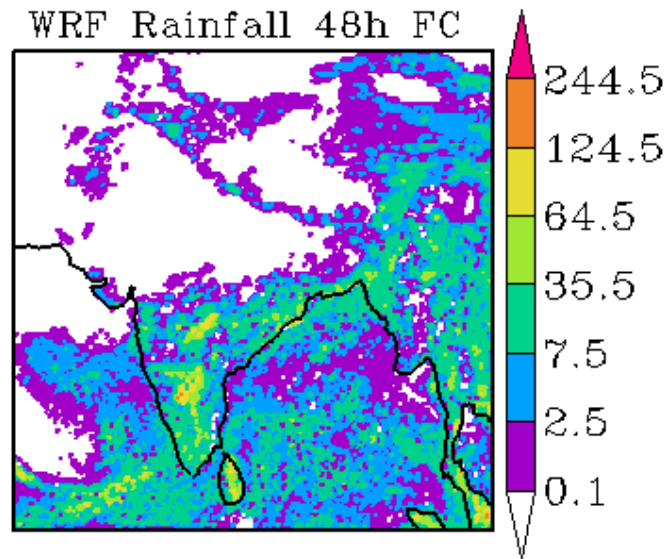
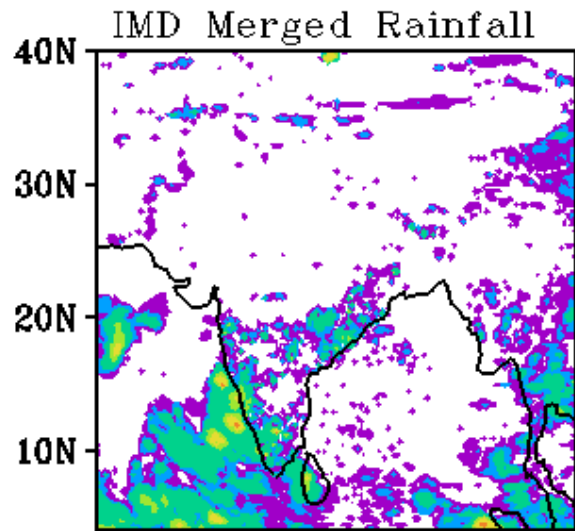




**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 10-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

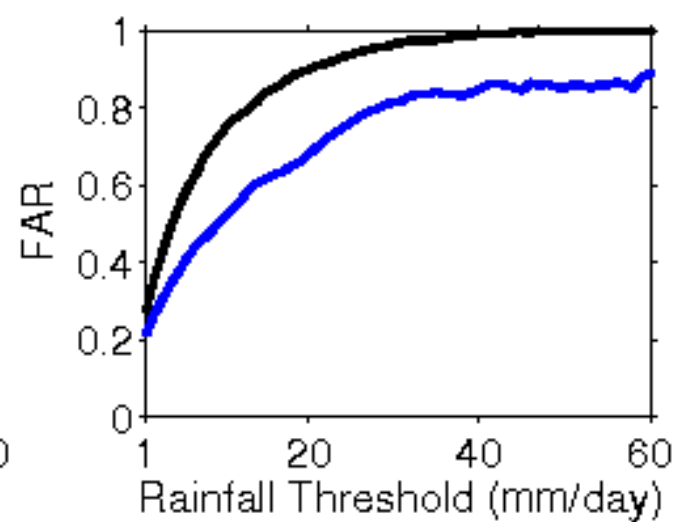
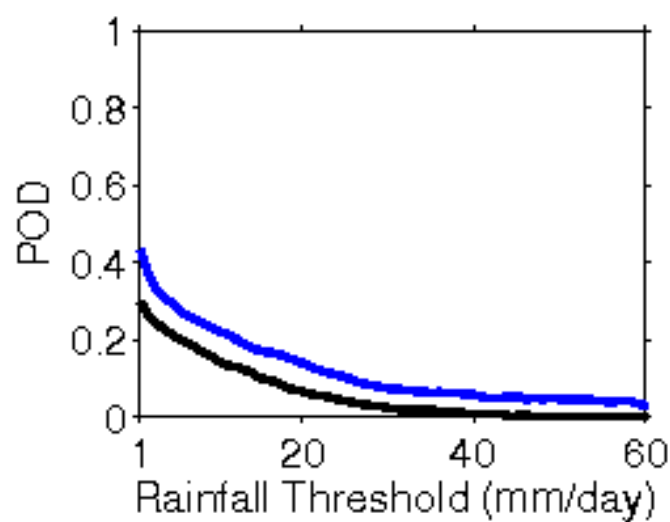
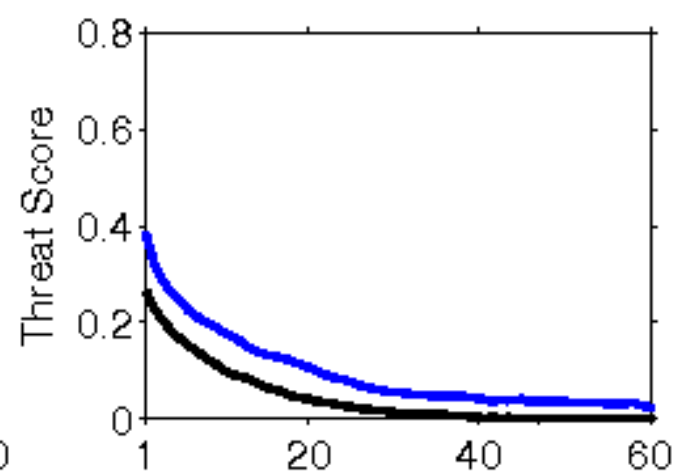
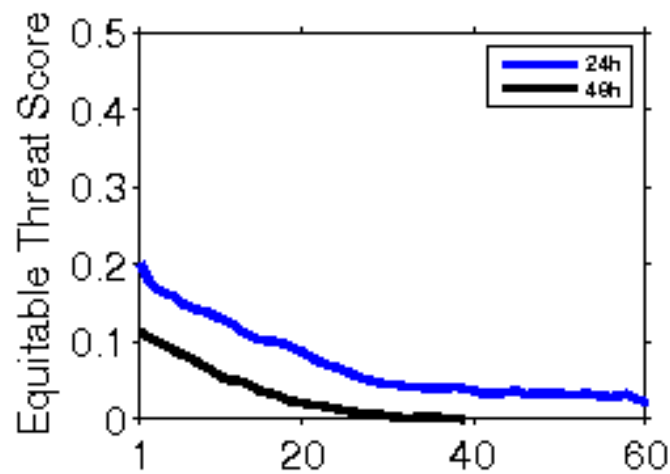
<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.42(-0.38)	10.75(3.81)	1.87(0.97)
<b>48 Hour</b>	1.60(-0.21)	12.21(3.10)	1.94(1.19)
<b>72 Hour</b>	1.63(-0.12)	14.77(1.91)	1.95(1.21)





WRF Start Time  
00Z 10102019

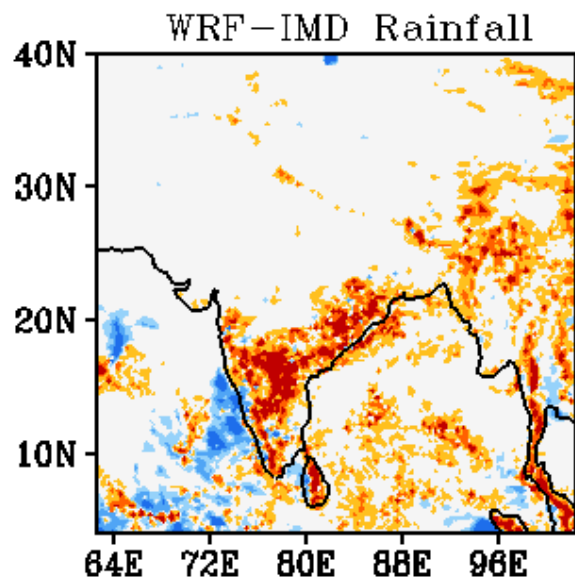
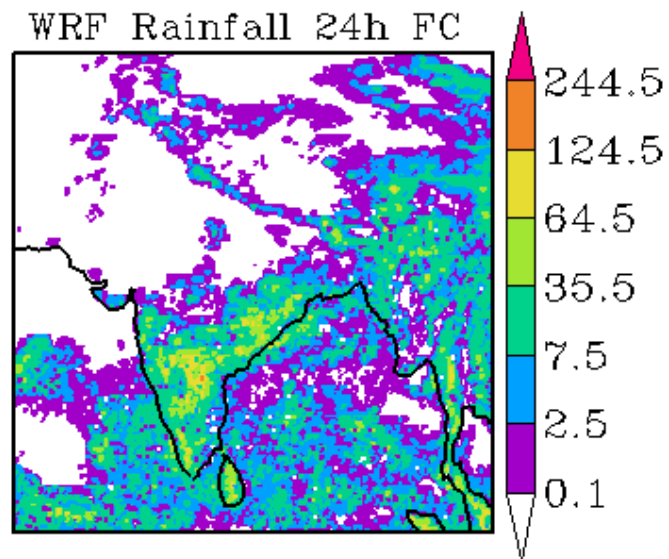
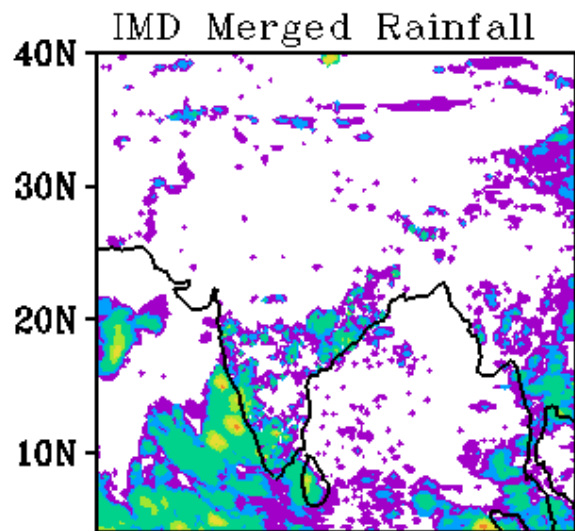
Forecast Period  
03Z 11102019-03Z 12102019





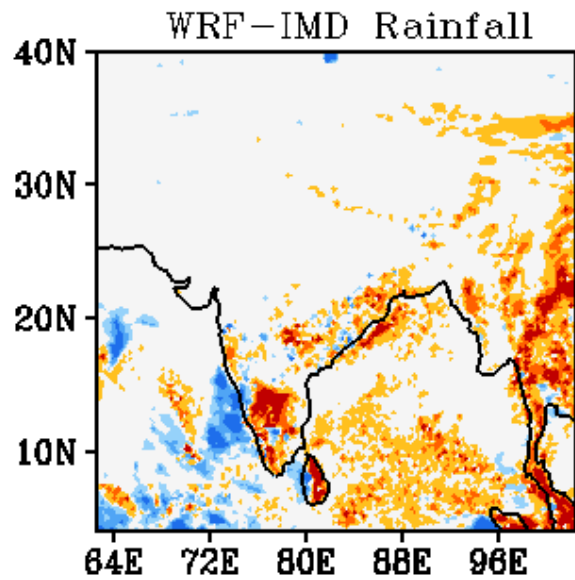
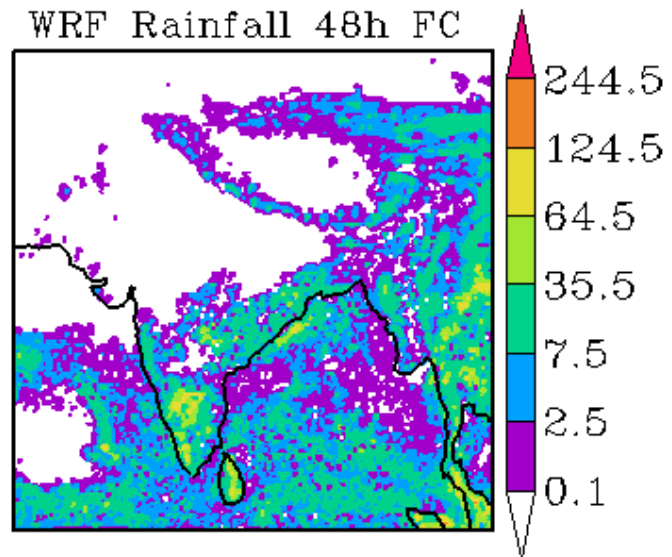
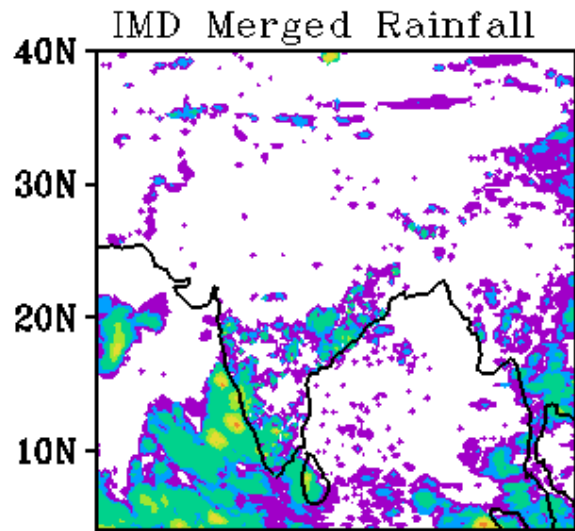
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 11-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.41(-0.39)	12.40(5.62)	1.80(1.10)
<b>48 Hour</b>	1.70(-0.29)	14.21(5.54)	1.84(1.30)
<b>72 Hour</b>	1.59(-0.22)	15.37(4.42)	1.96(1.56)



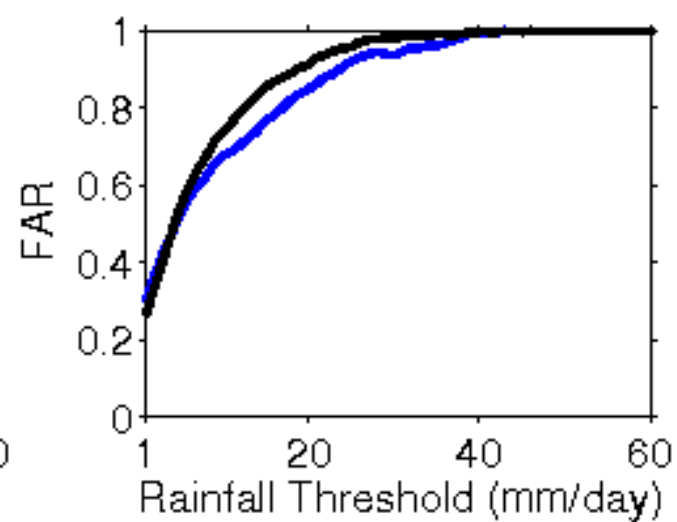
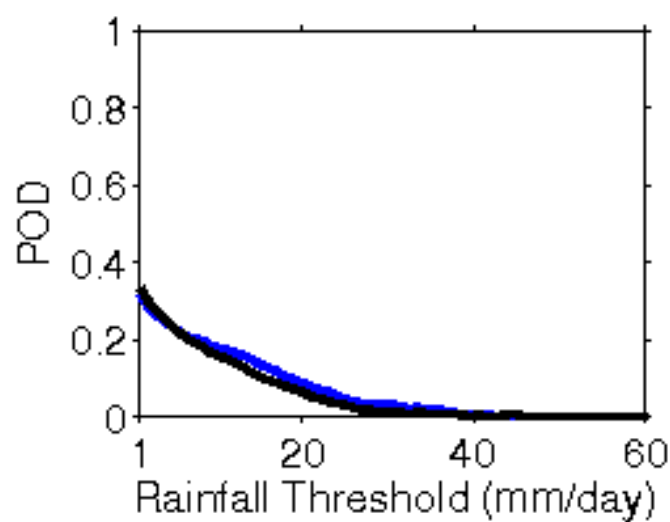
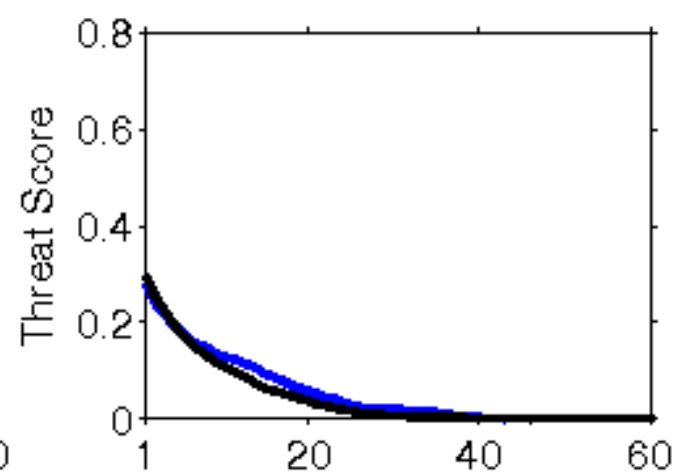
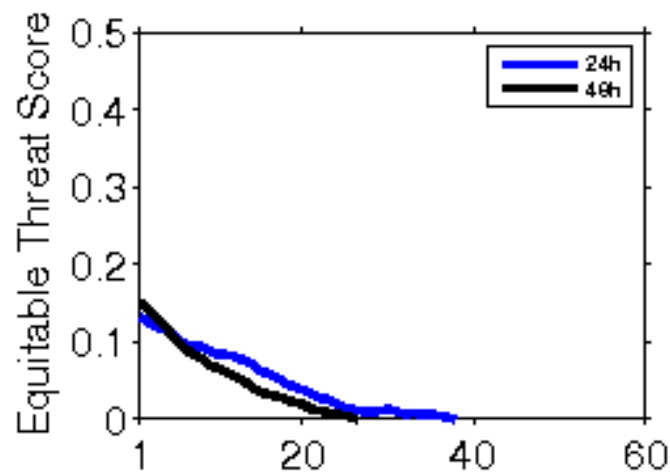
WRF Start Time  
00Z 11102019

Forecast Period  
03Z 11102019-03Z 12102019



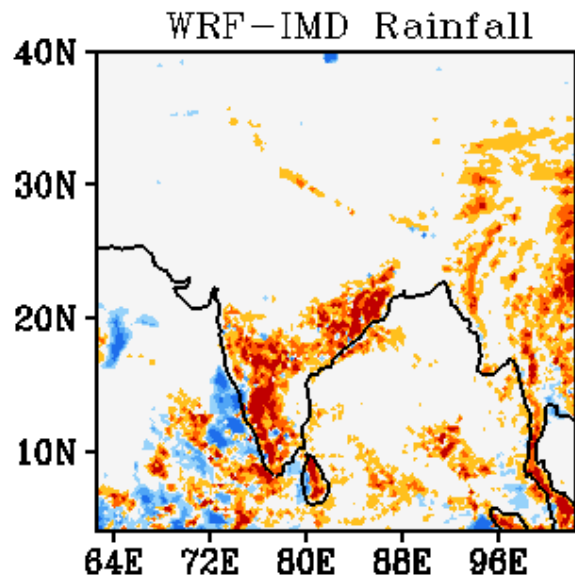
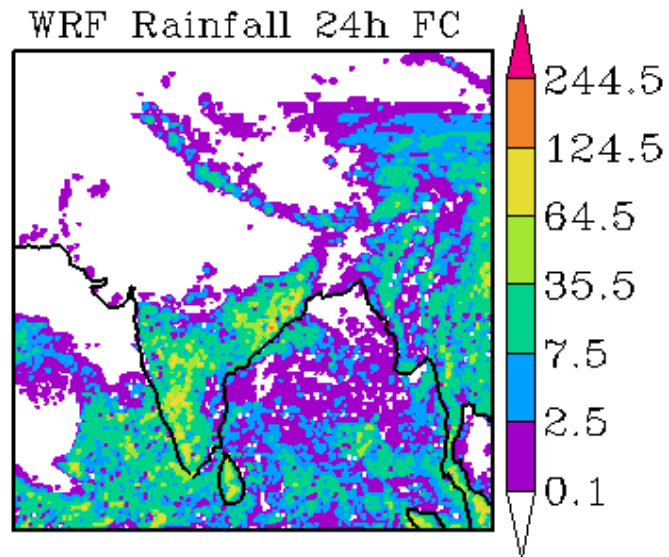
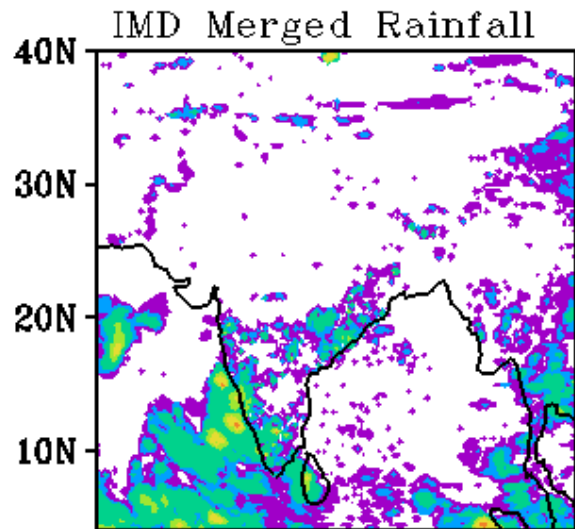
WRF Start Time  
00Z 11102019

Forecast Period  
03Z 12102019-03Z 13102019



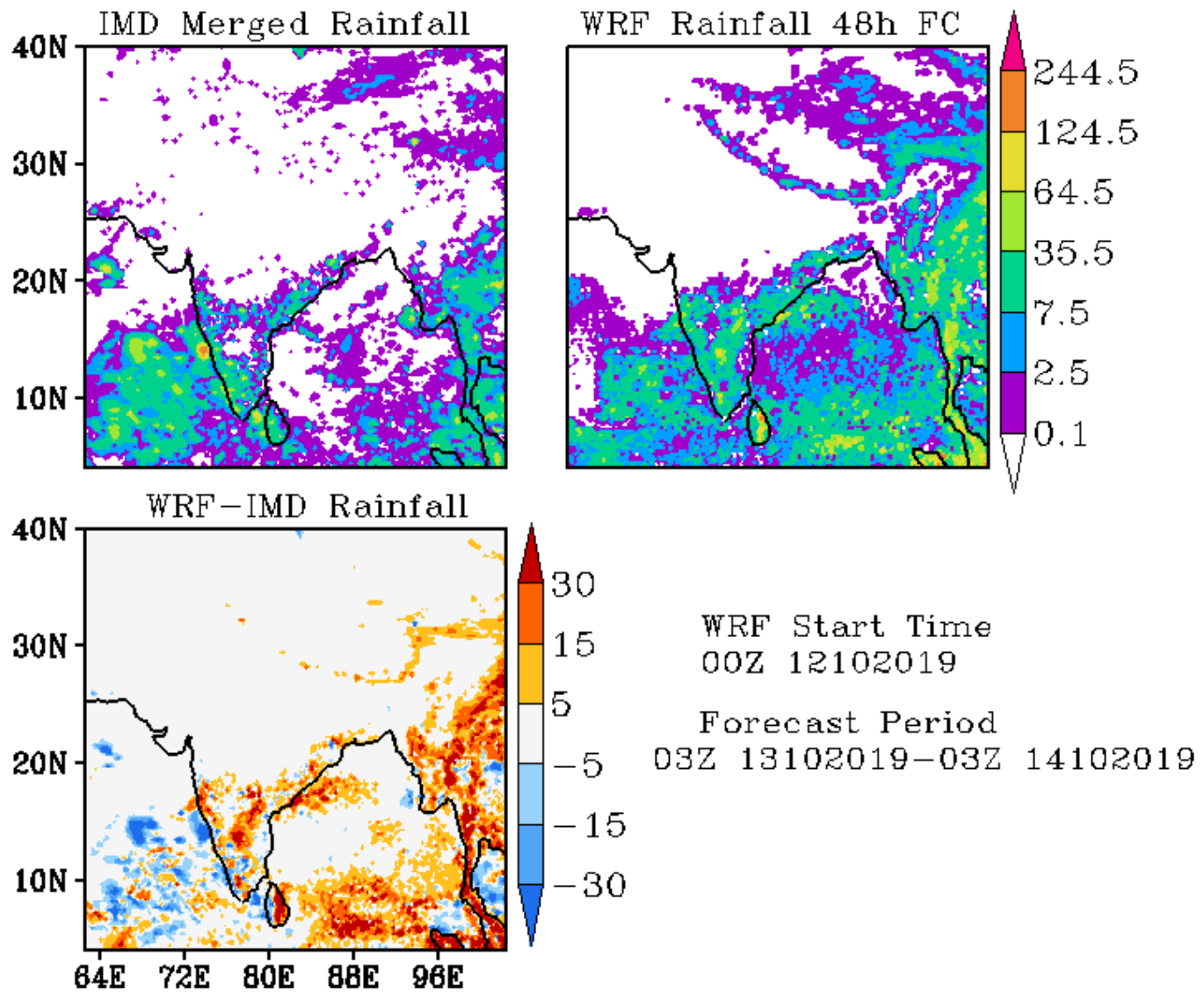
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 12-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

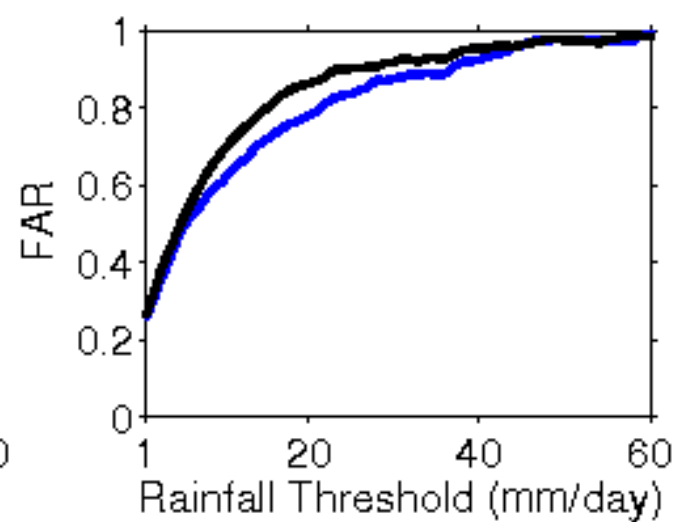
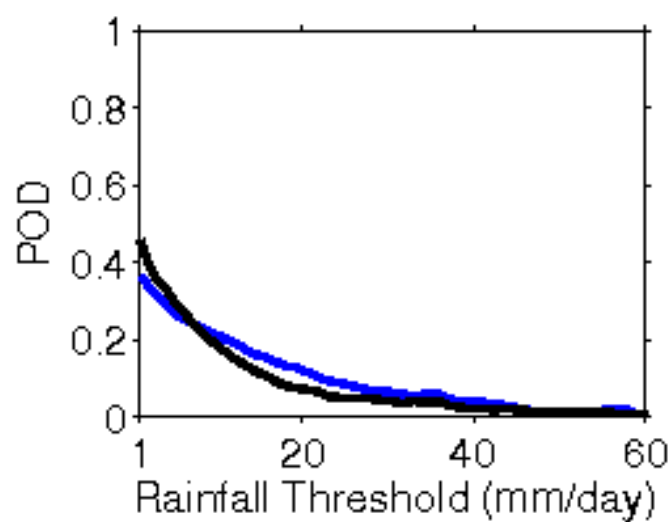
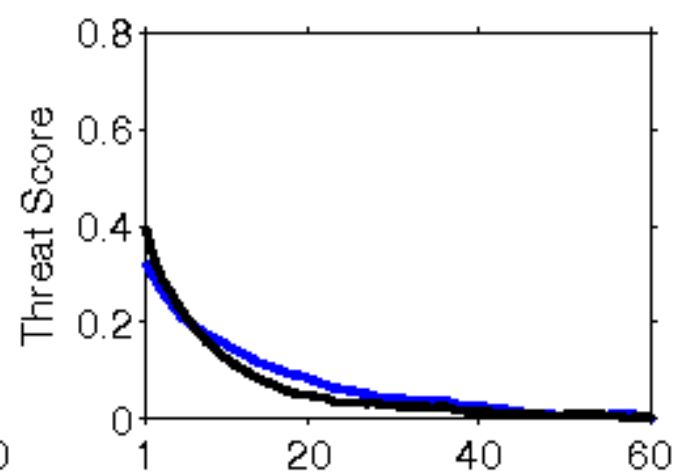
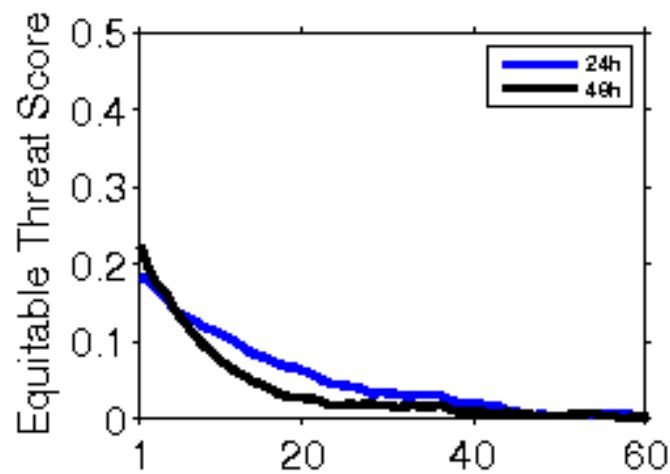
<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.45(-0.34)	13.95(6.56)	1.79(1.08)
<b>48 Hour</b>	1.60(-0.28)	16.78(7.17)	1.82(1.20)
<b>72 Hour</b>	1.71(0.00)	17.48(5.94)	2.29(1.33)



WRF Start Time  
00Z 12102019

Forecast Period  
03Z 12102019-03Z 13102019

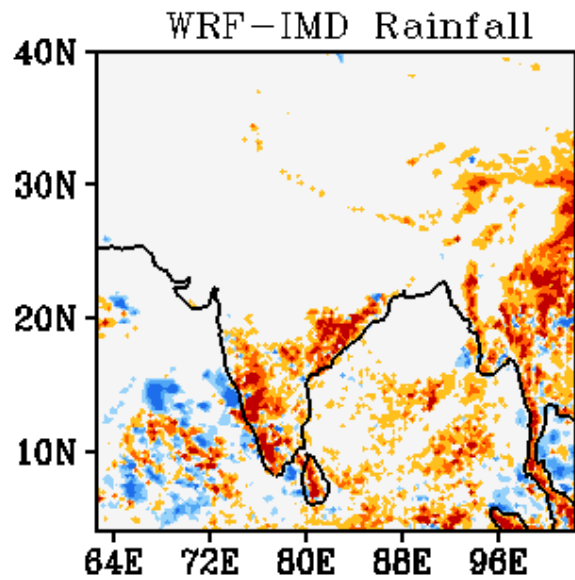
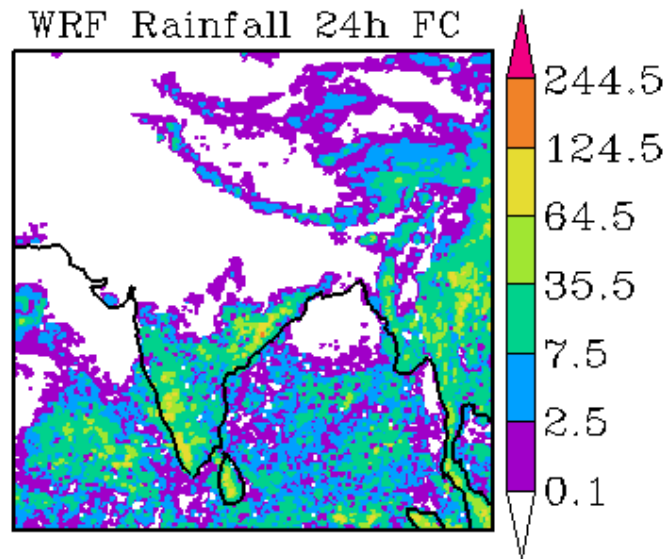
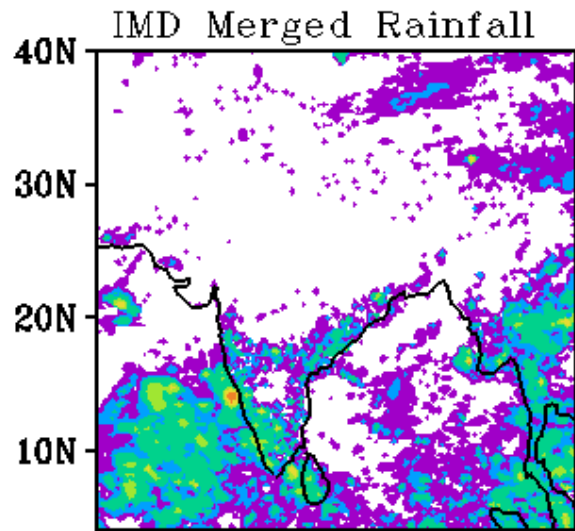






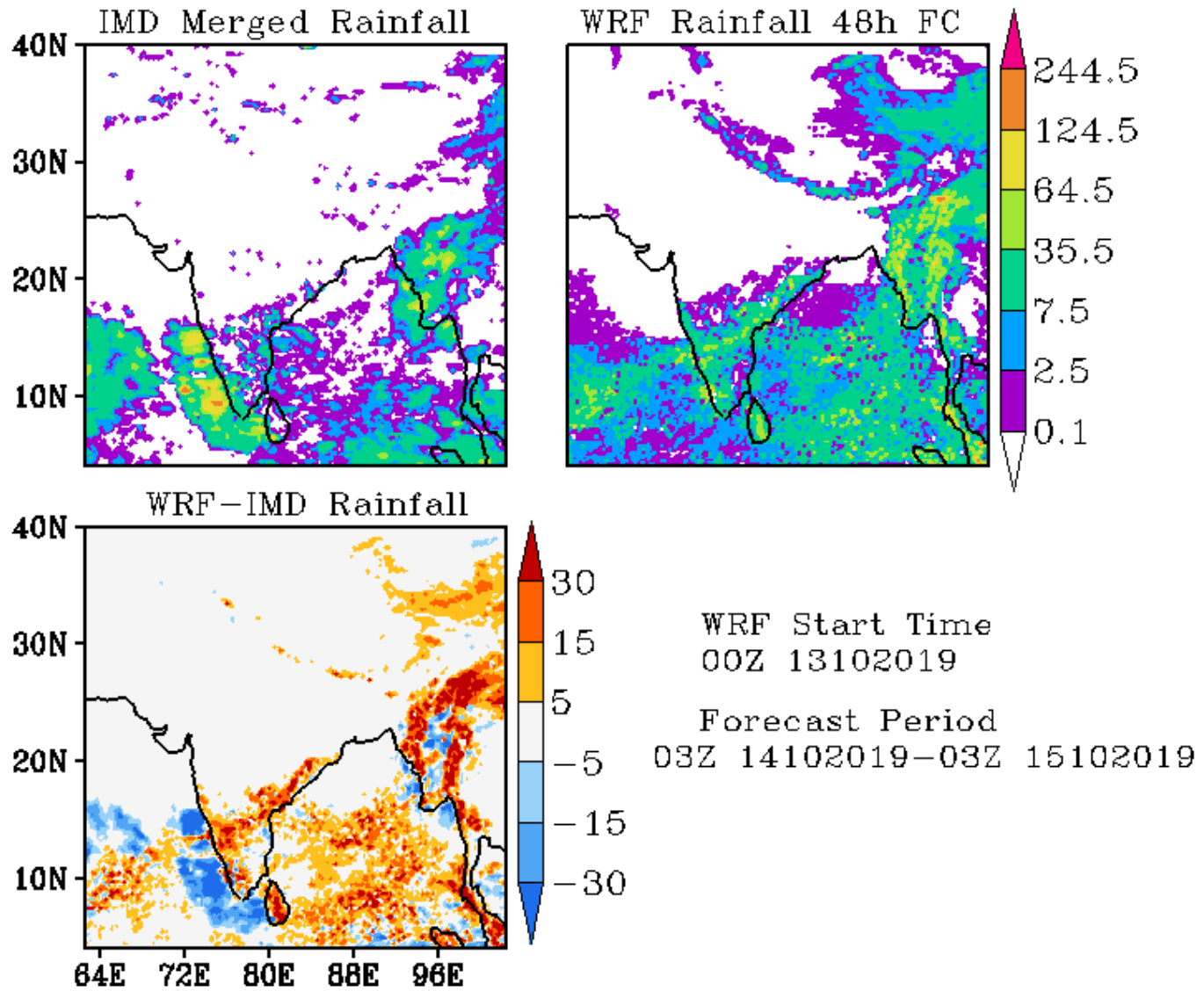
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 13-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

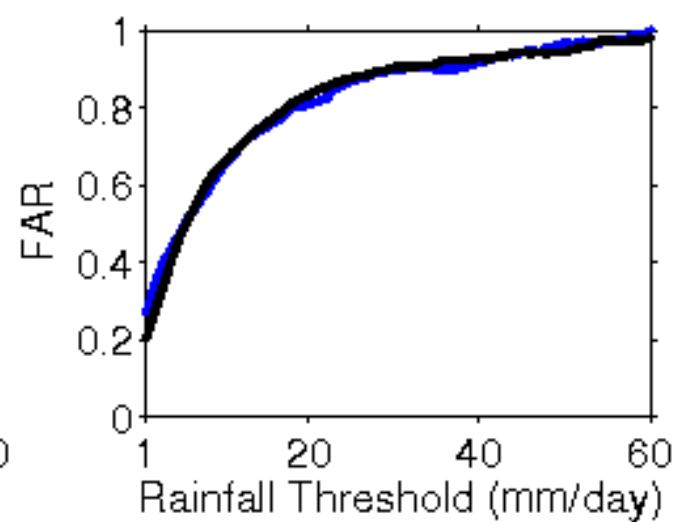
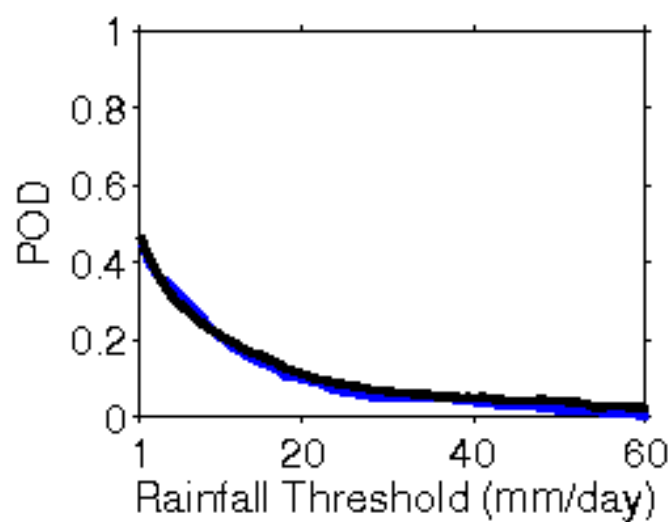
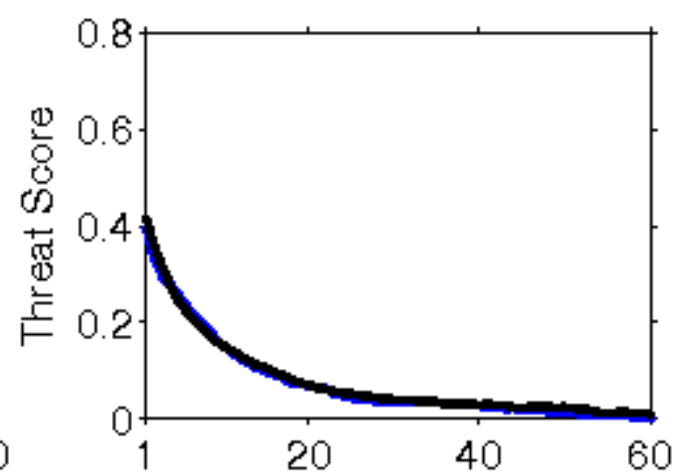
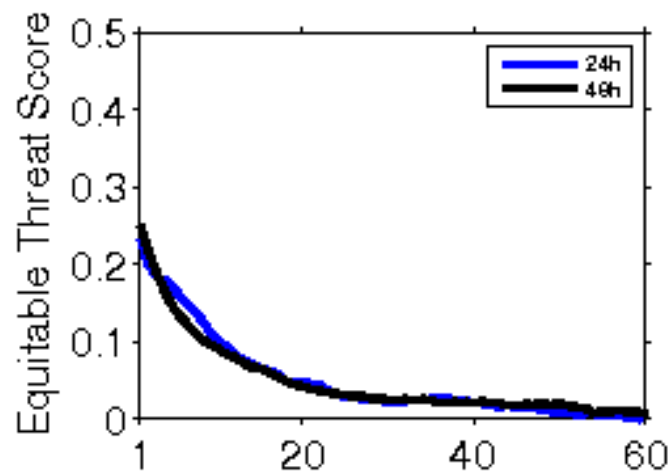
<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.44(-0.34)	12.93(5.90)	1.74(0.81)
<b>48 Hour</b>	1.63(-0.23)	15.45(6.37)	2.35(0.88)
<b>72 Hour</b>	1.78(-0.21)	15.47(6.57)	2.18(1.03)



WRF Start Time  
00Z 13102019

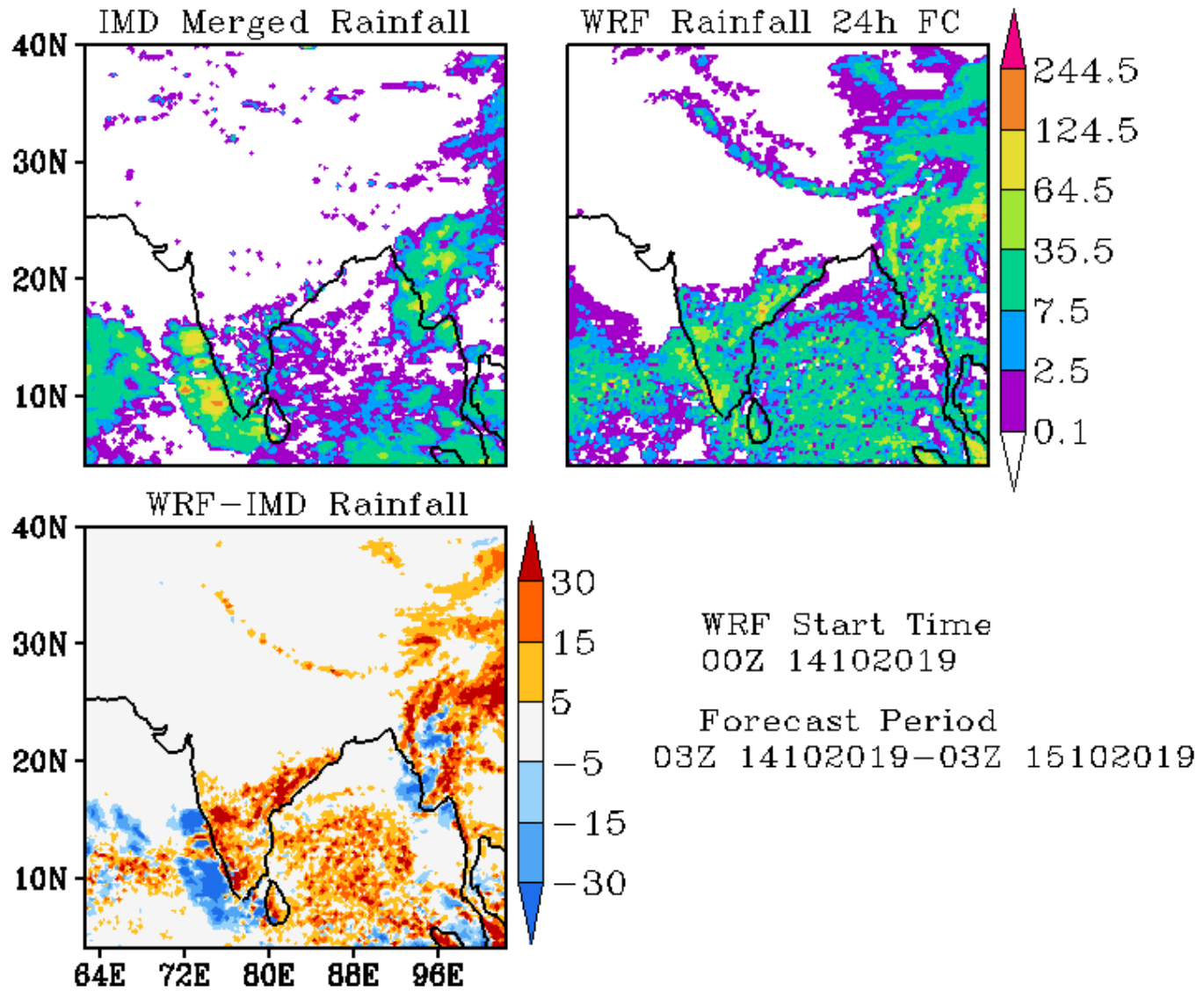
Forecast Period  
03Z 13102019-03Z 14102019

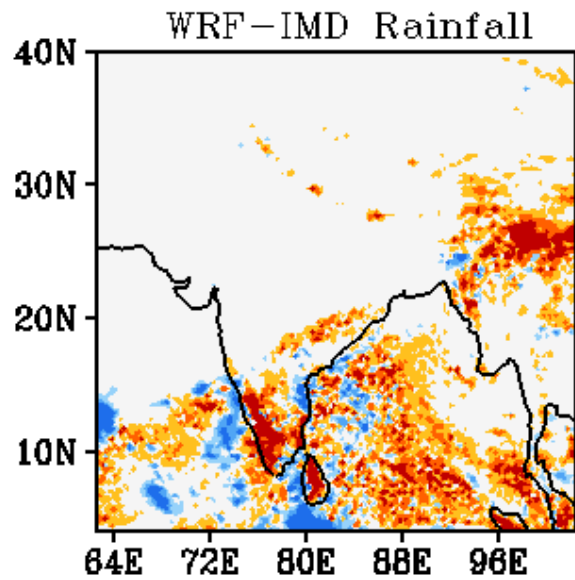
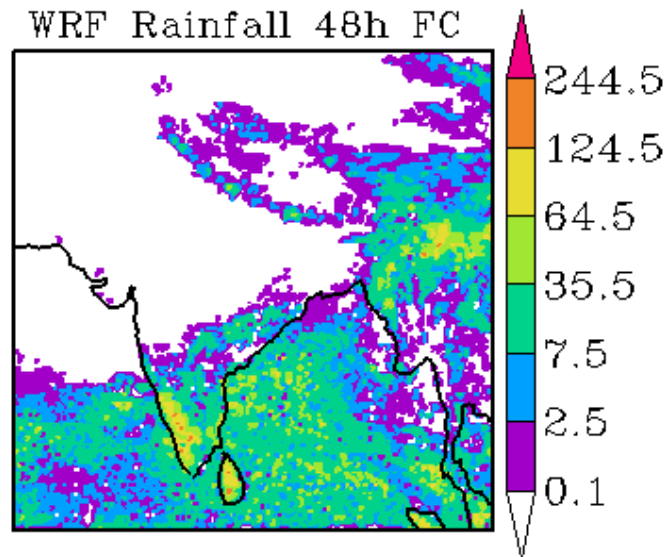
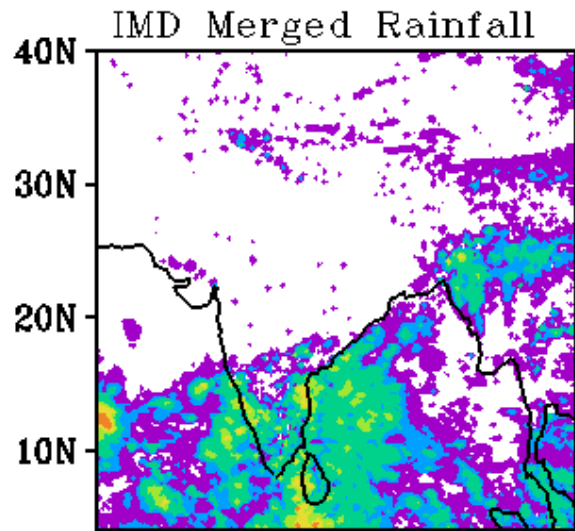




**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 14-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

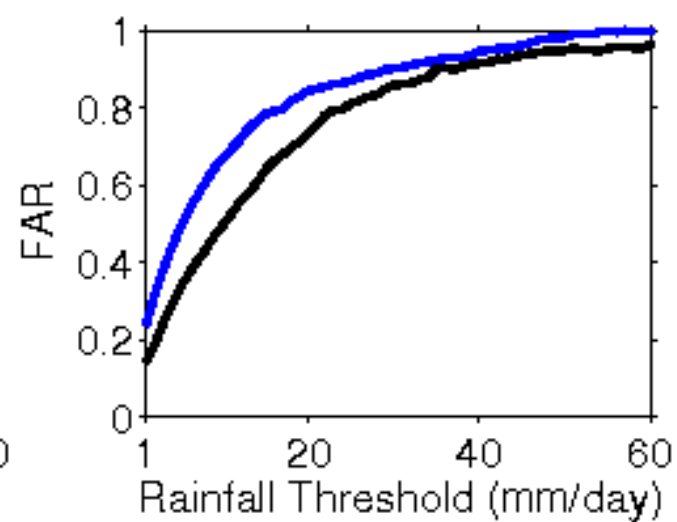
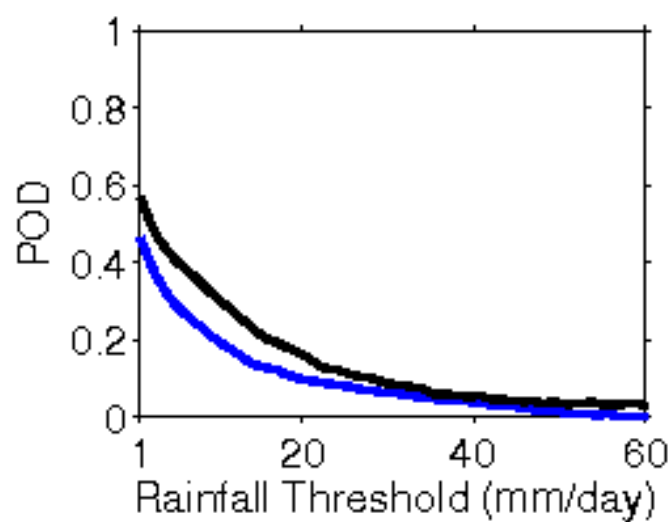
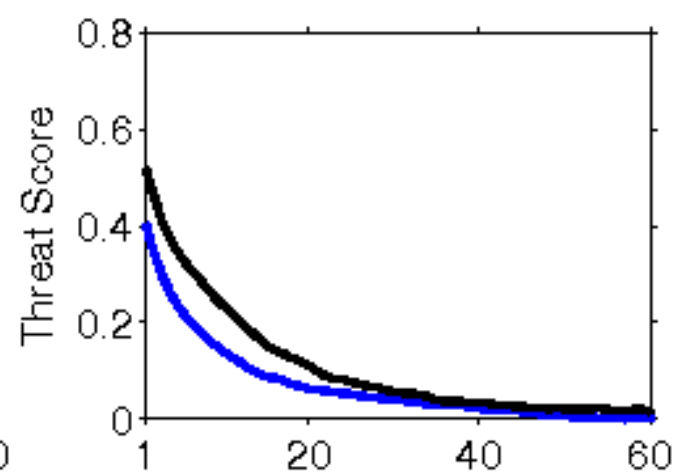
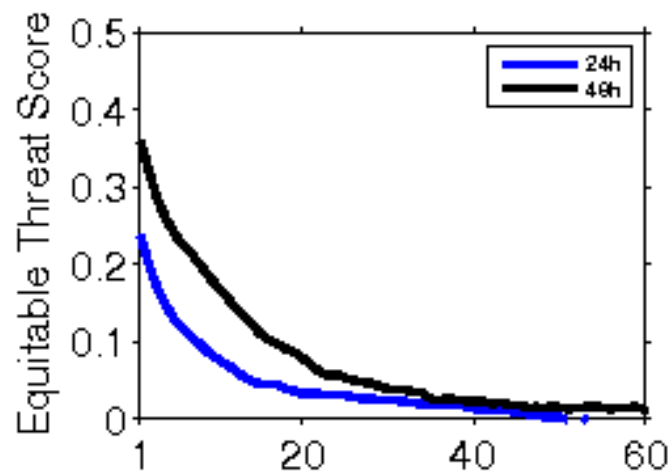
<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.40(-0.21)	13.38(5.67)	1.97(0.93)
<b>48 Hour</b>	1.71(-0.16)	15.69(5.11)	2.15(0.84)
<b>72 Hour</b>	1.72(-0.06)	16.03(3.89)	2.12(0.90)





WRF Start Time  
00Z 14102019

Forecast Period  
03Z 15102019-03Z 16102019

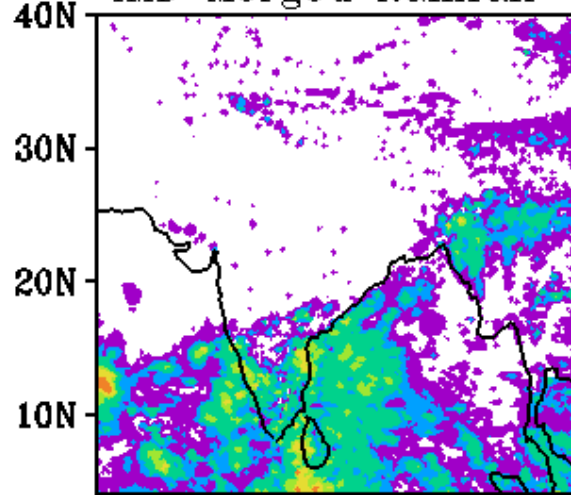




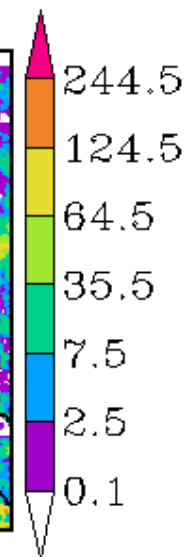
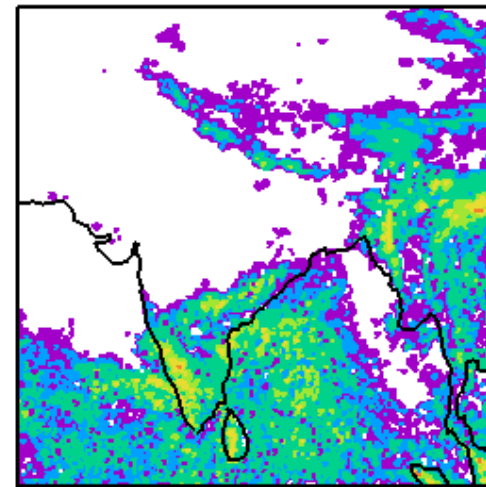
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 15-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.44(-0.26)	11.96(4.92)	1.91(0.78)
<b>48 Hour</b>	1.66(-0.20)	14.41(4.72)	2.09(0.55)
<b>72 Hour</b>	2.00(-0.18)	14.92(3.11)	2.13(0.55)

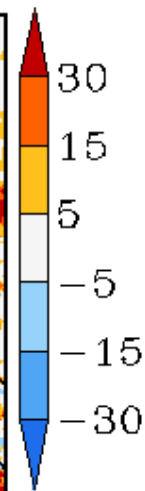
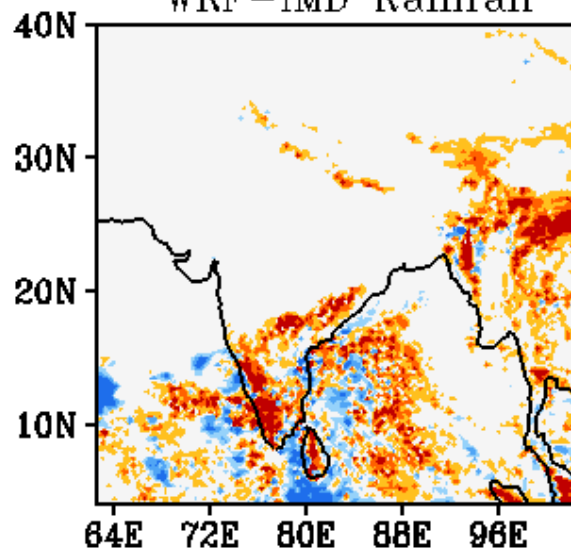
IMD Merged Rainfall



WRF Rainfall 24h FC

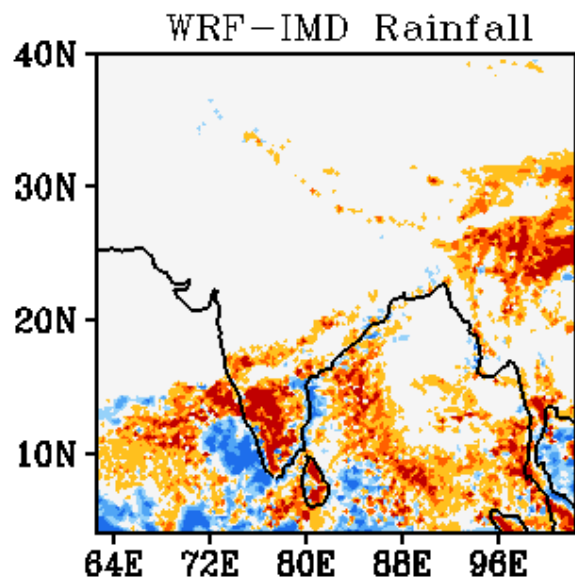
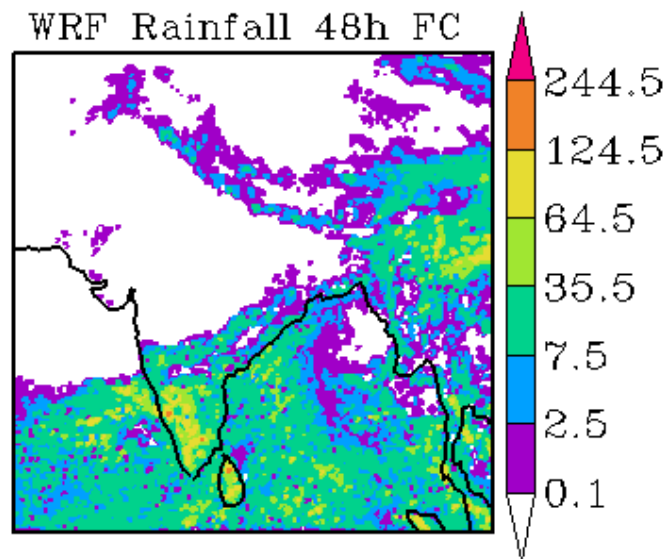
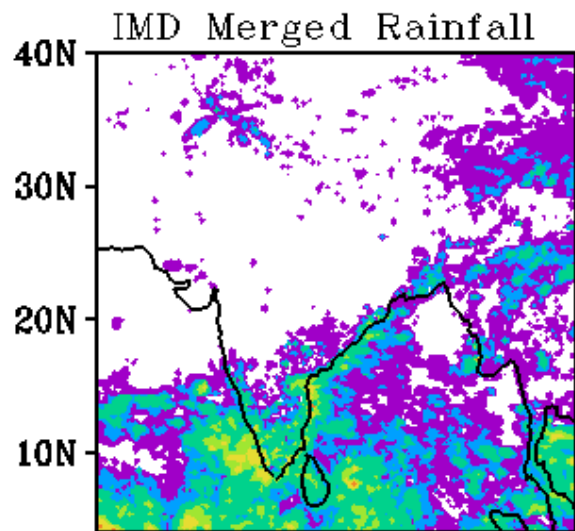


WRF-IMD Rainfall



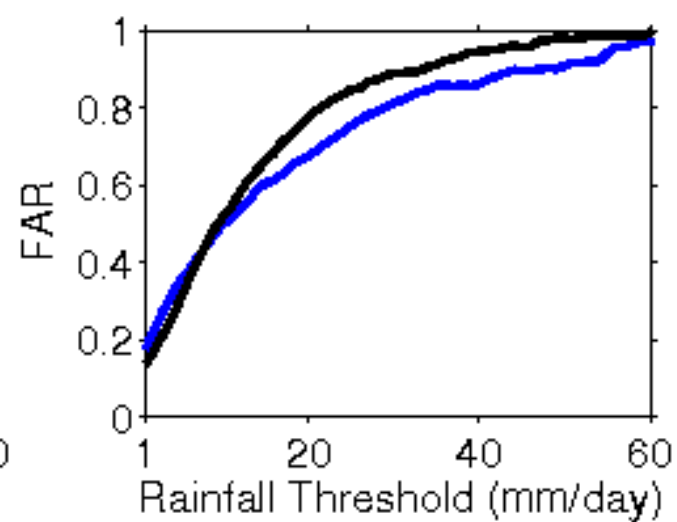
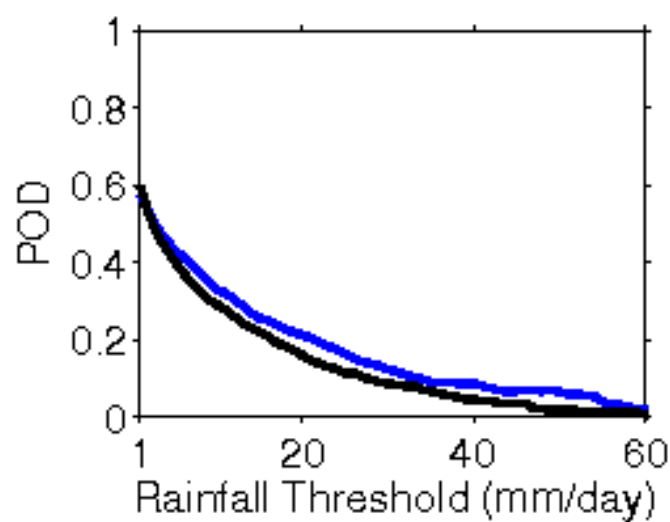
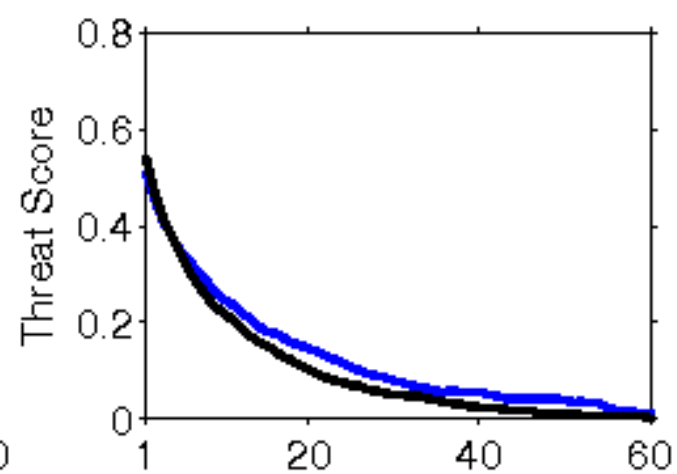
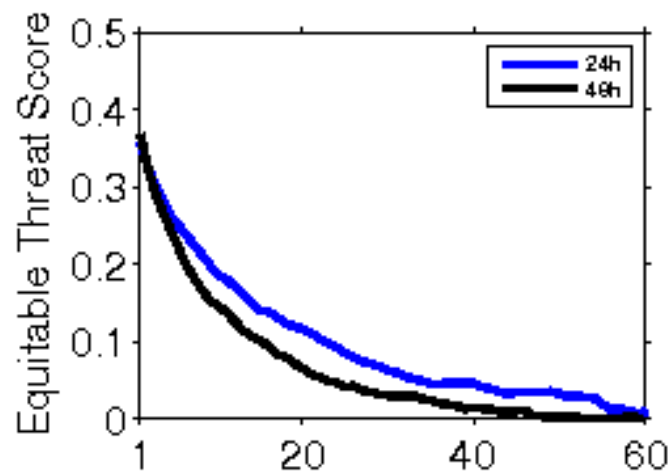
WRF Start Time  
00Z 15102019

Forecast Period  
03Z 15102019-03Z 16102019



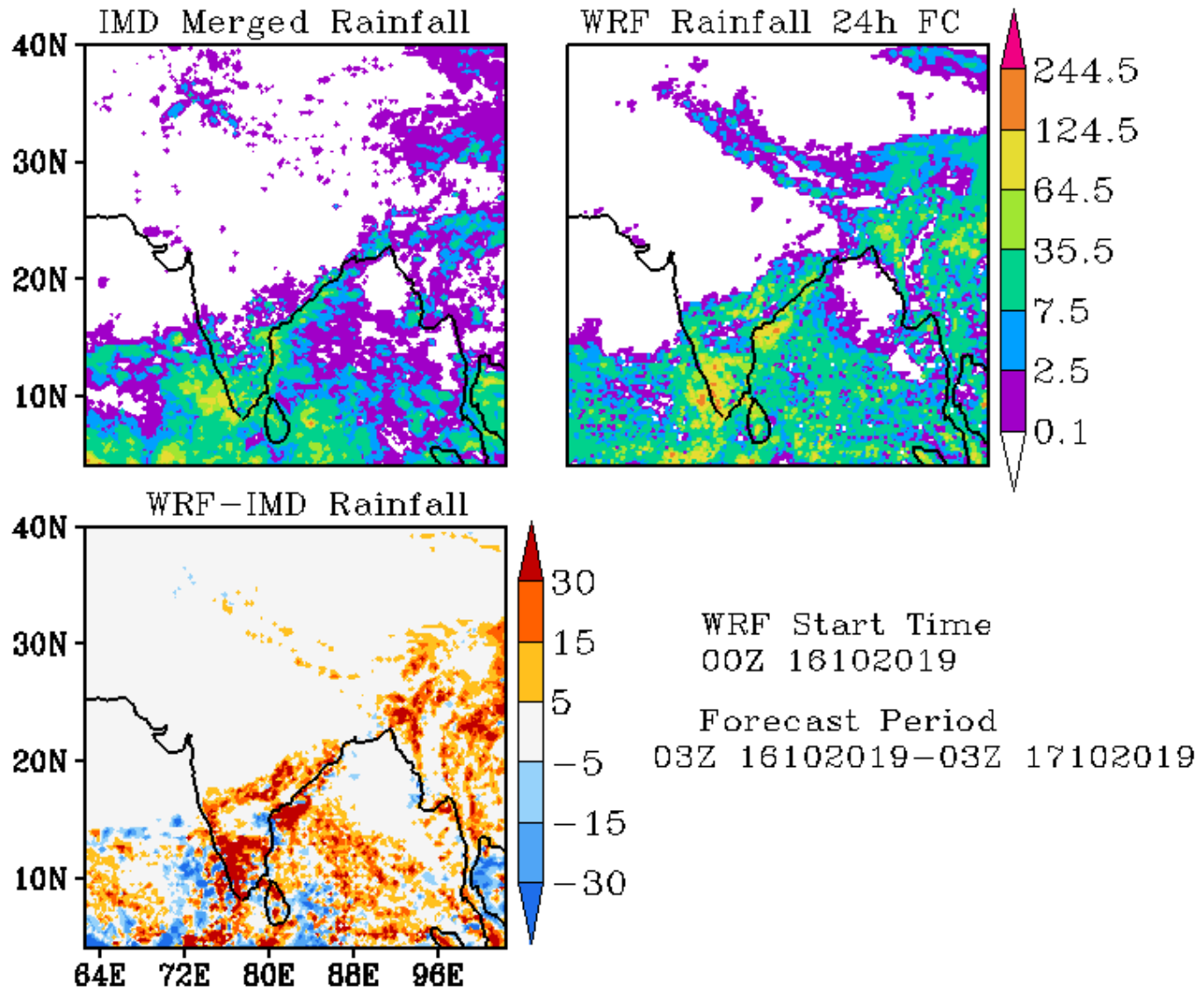
WRF Start Time  
00Z 15102019

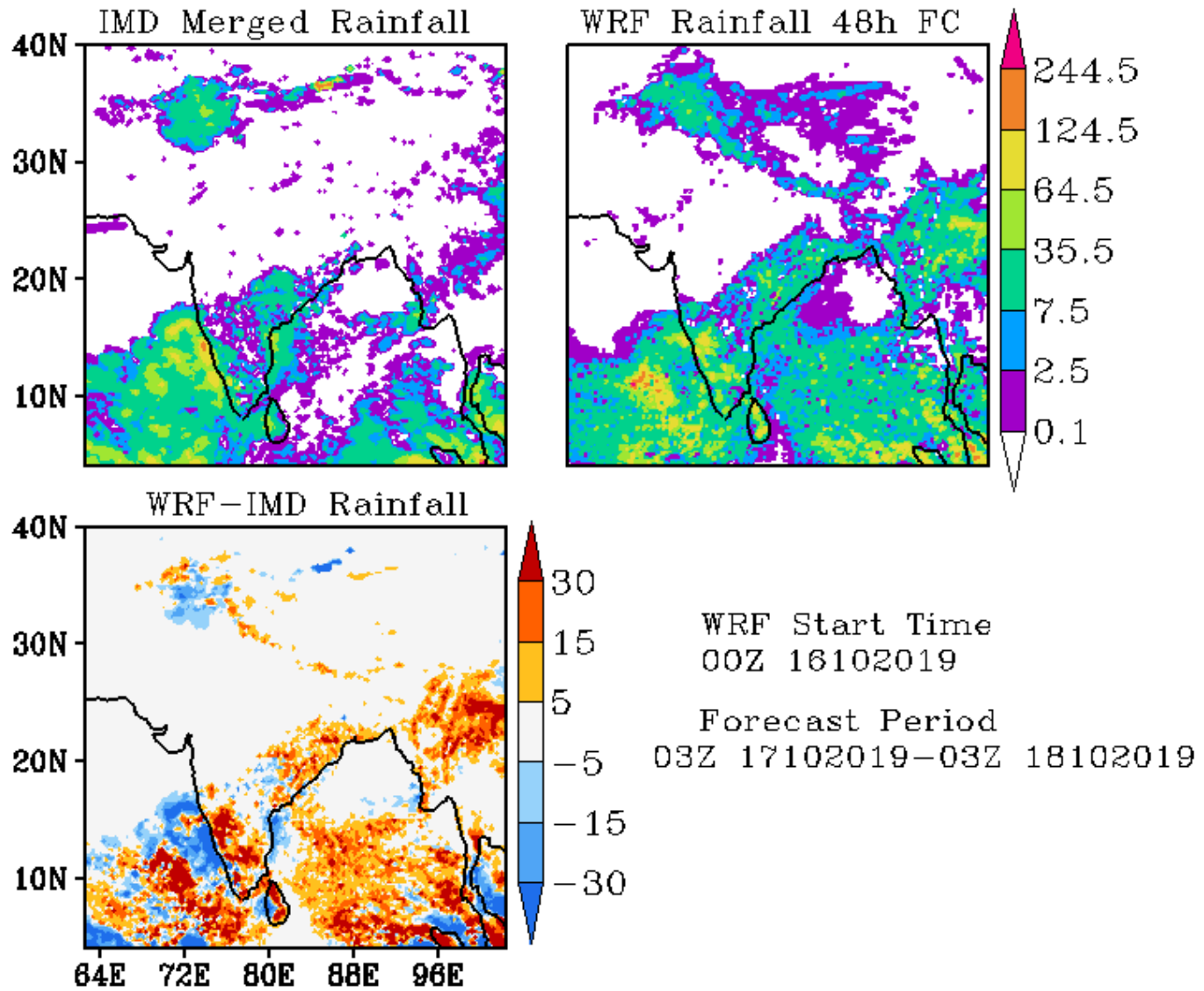
Forecast Period  
03Z 16102019-03Z 17102019

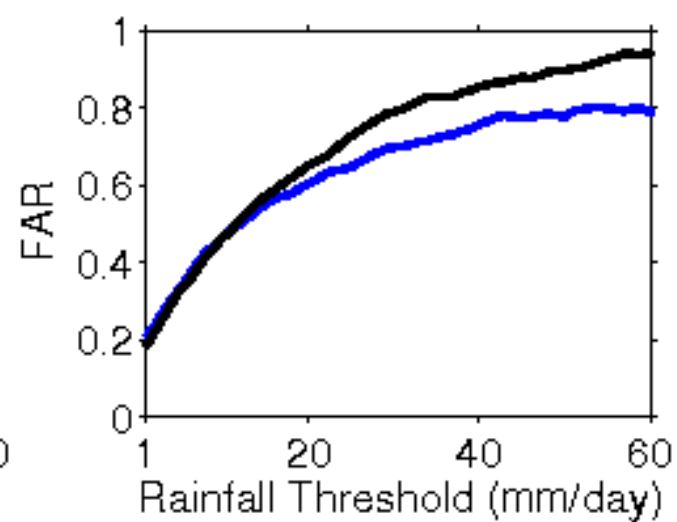
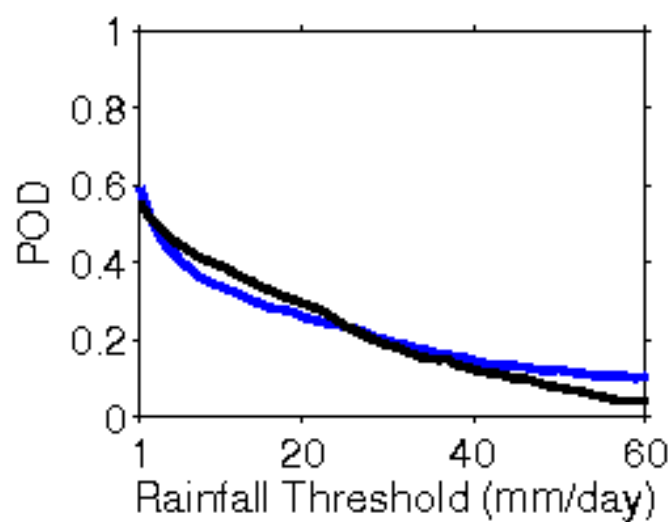
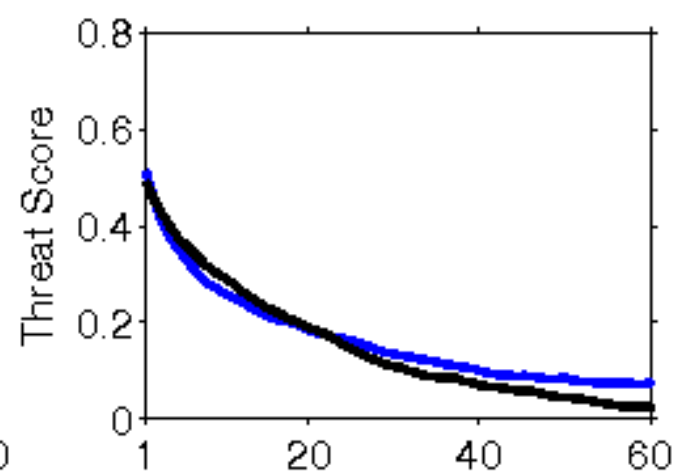
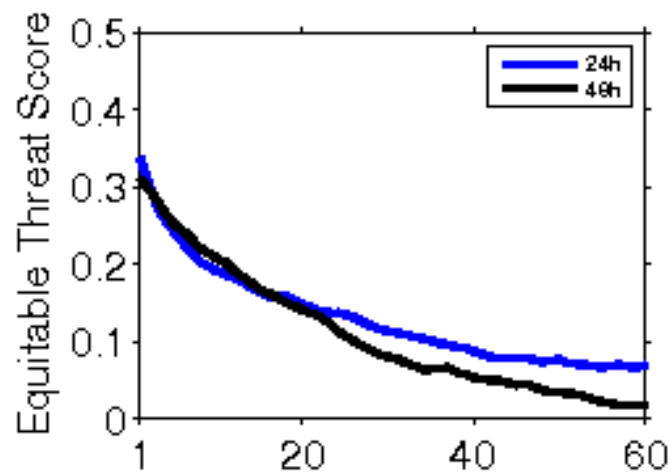


**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 16-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.49(-0.16)	12.69(5.50)	1.89(0.62)
<b>48 Hour</b>	1.85(0.01)	14.71(5.37)	2.12(0.72)
<b>72 Hour</b>	2.09(0.07)	18.59(5.49)	2.36(0.65)



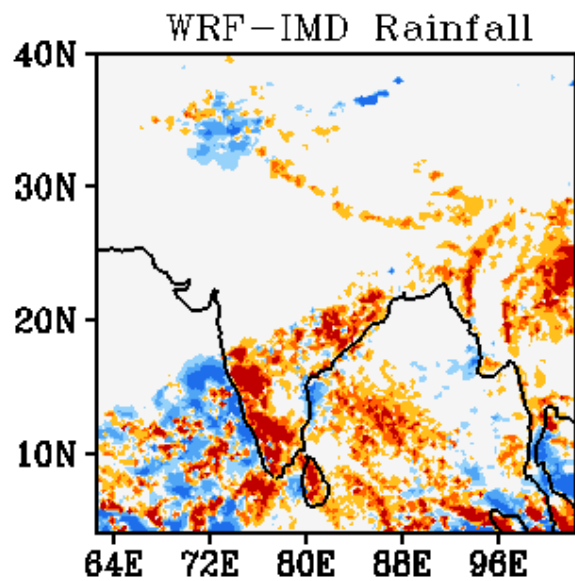
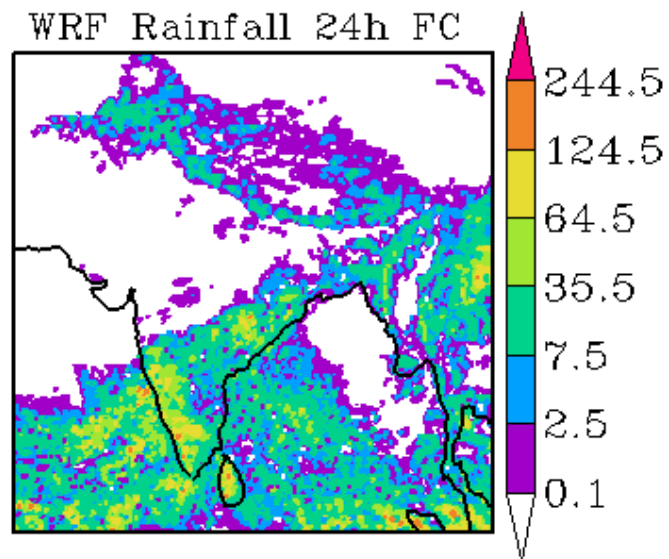
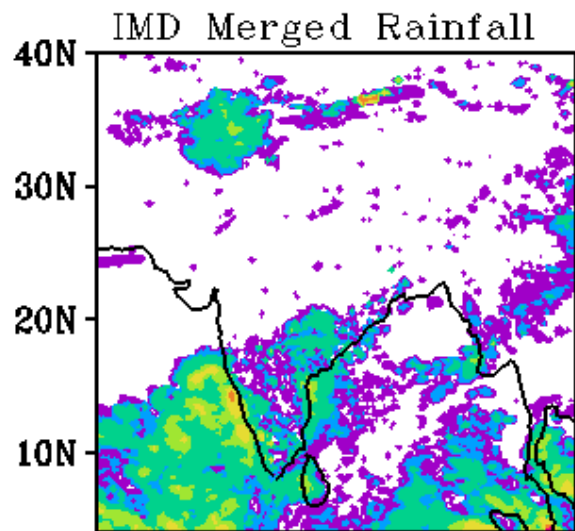






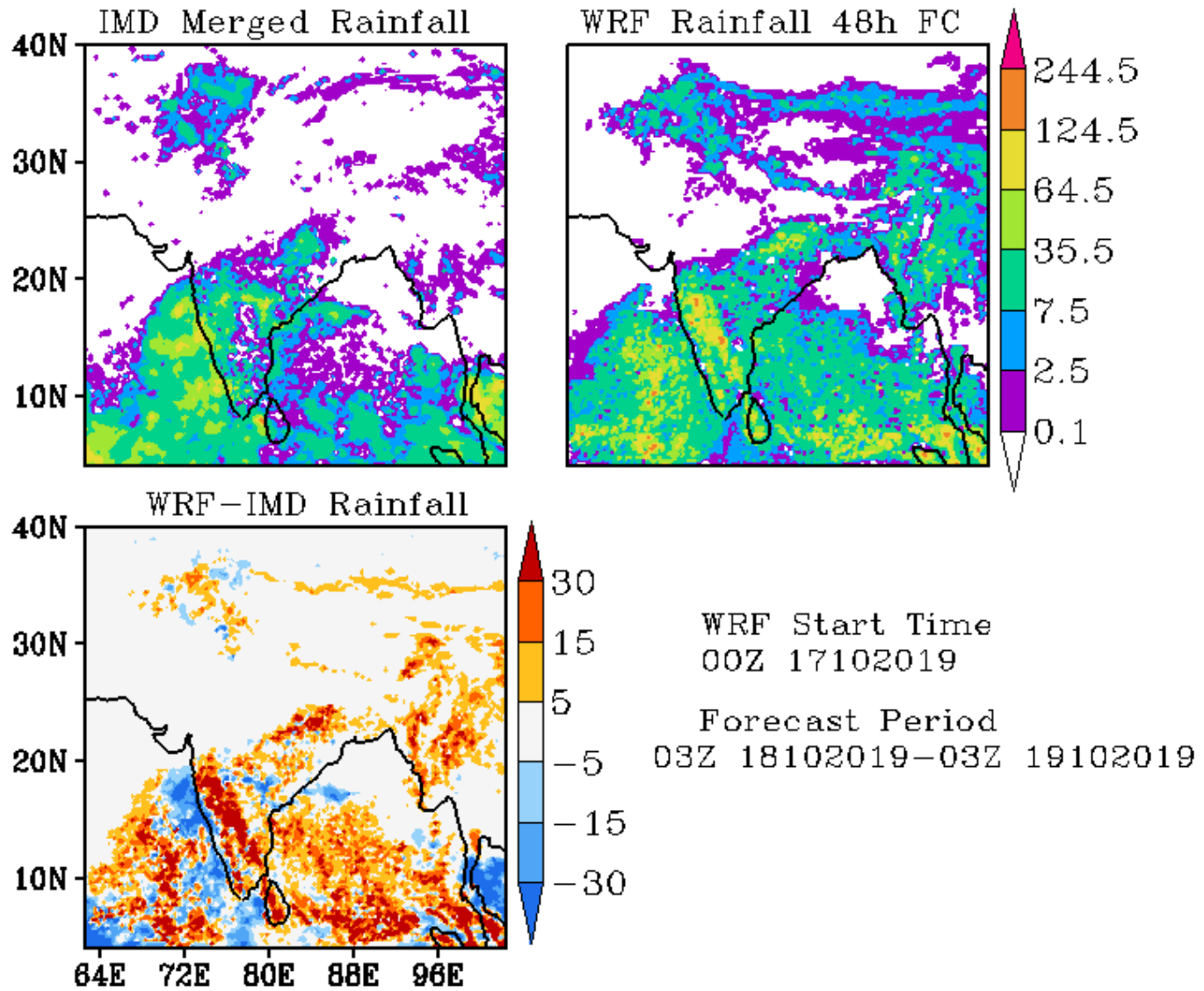
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 17-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

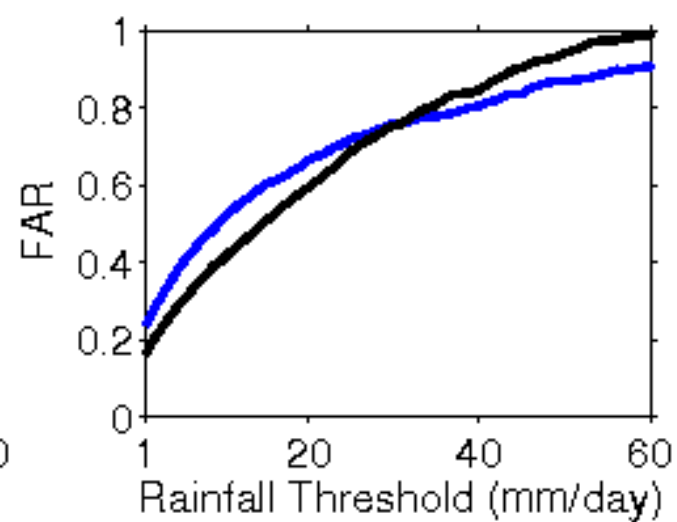
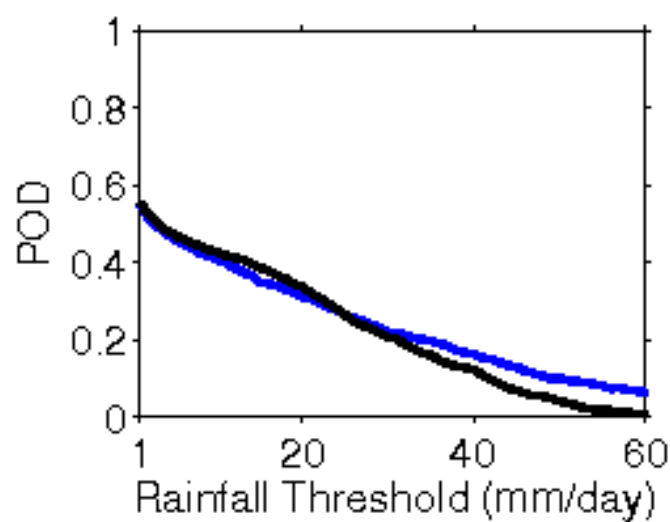
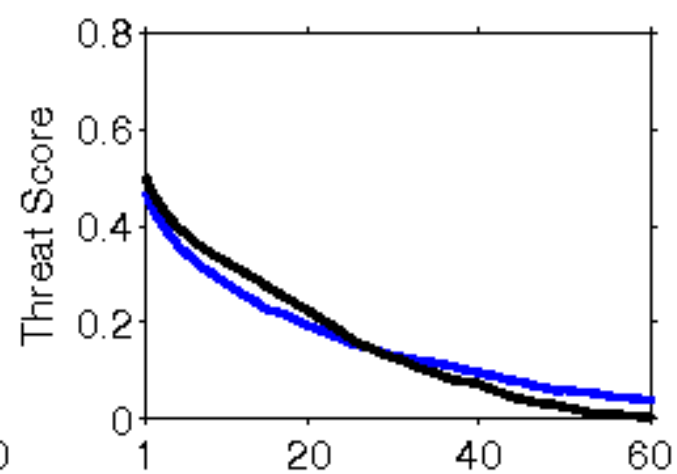
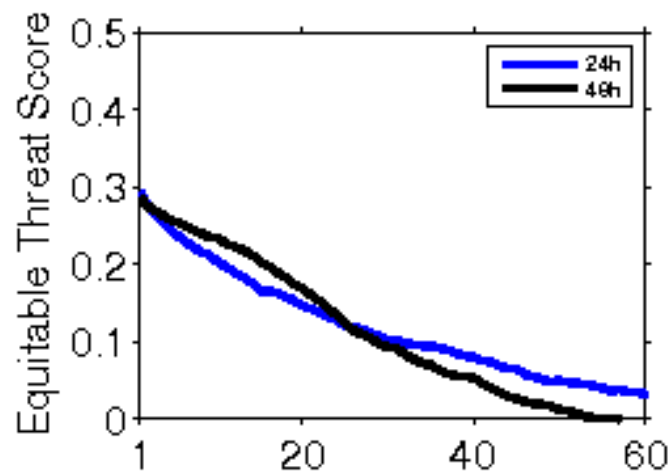
<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.53(-0.10)	12.62(4.55)	1.87(0.79)
<b>48 Hour</b>	2.06(0.14)	18.79(5.54)	2.49(0.66)
<b>72 Hour</b>	2.11(0.27)	20.51(5.76)	2.44(0.87)



WRF Start Time  
00Z 17102019

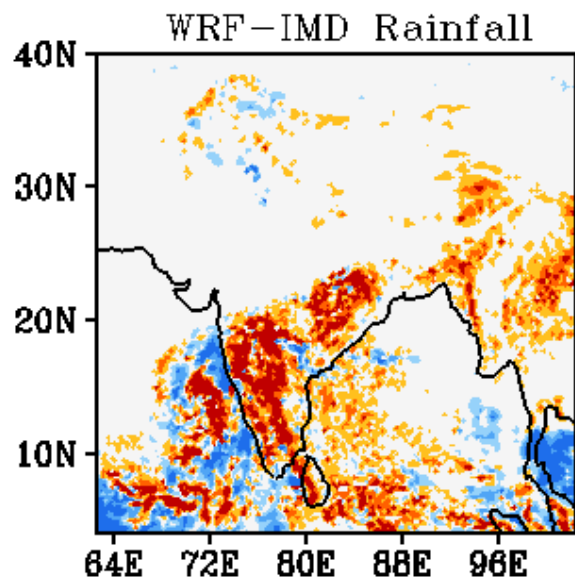
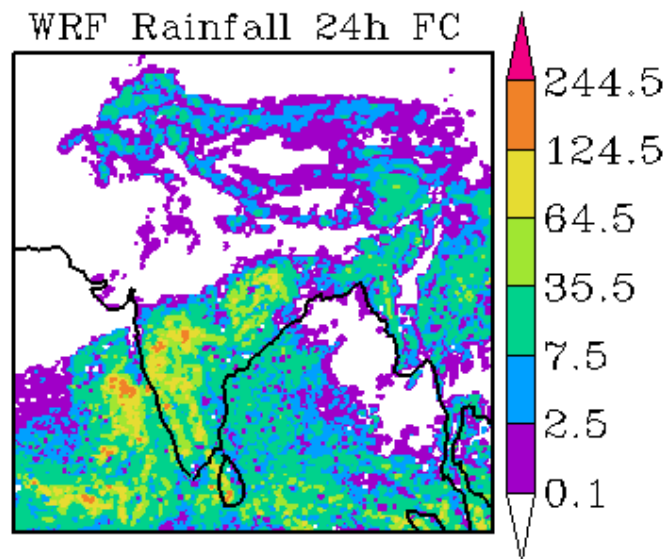
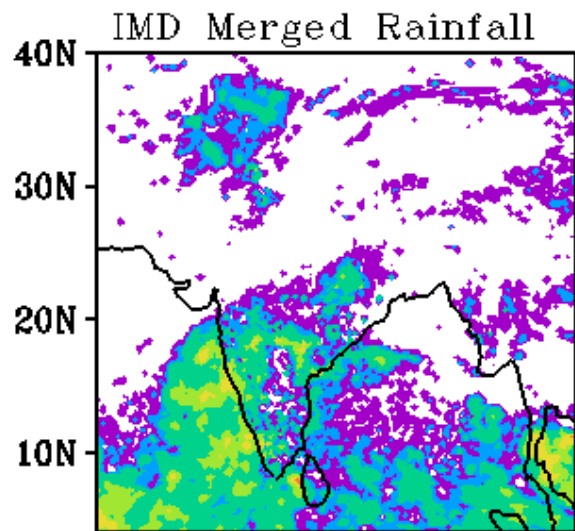
Forecast Period  
03Z 17102019-03Z 18102019





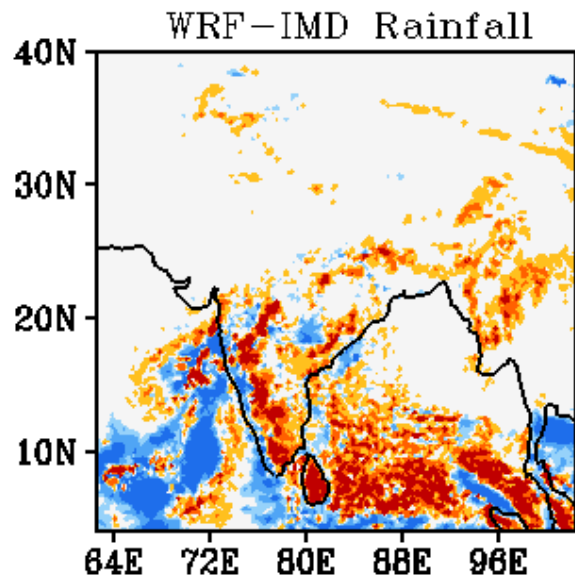
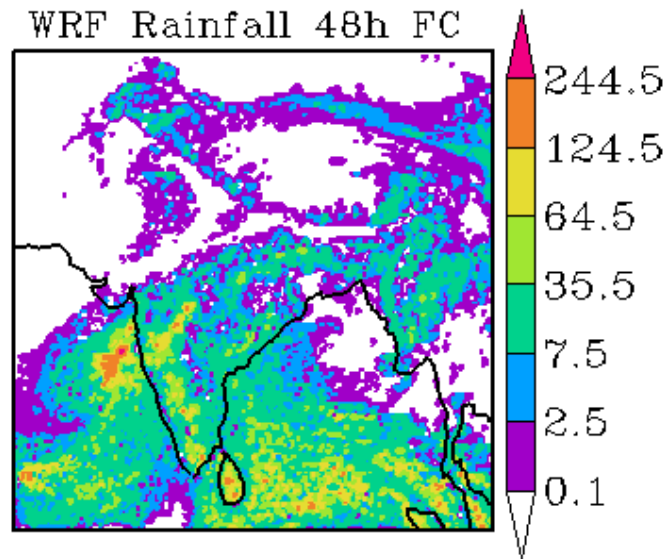
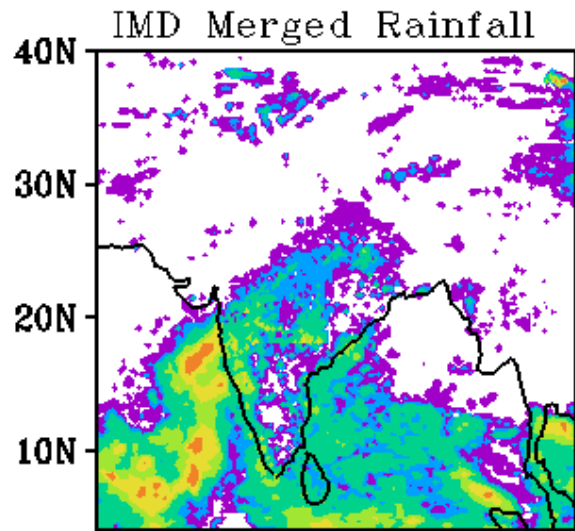
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 18-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.50(-0.15)	13.78(6.61)	2.03(0.82)
<b>48 Hour</b>	1.79(-0.01)	17.51(5.97)	2.29(1.07)
<b>72 Hour</b>	2.01(0.11)	18.22(5.67)	2.14(0.82)



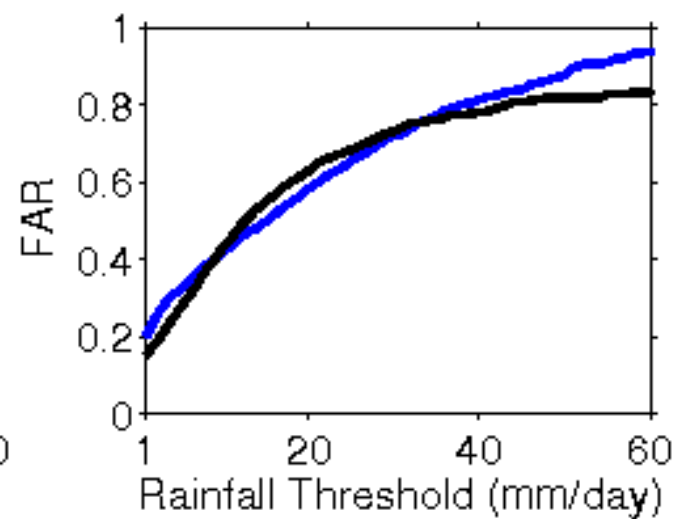
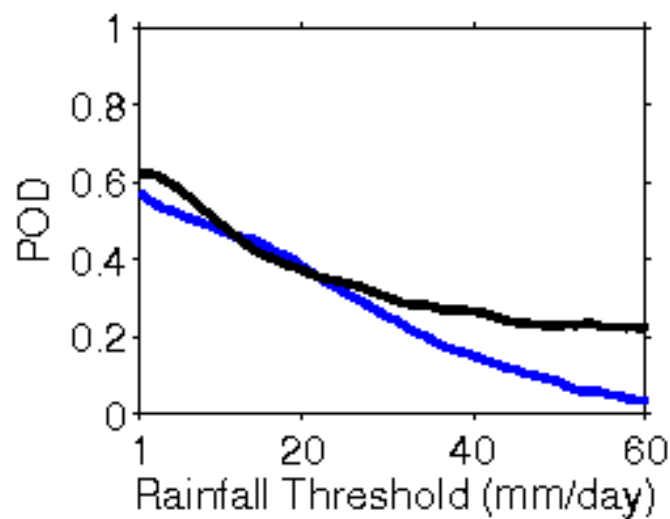
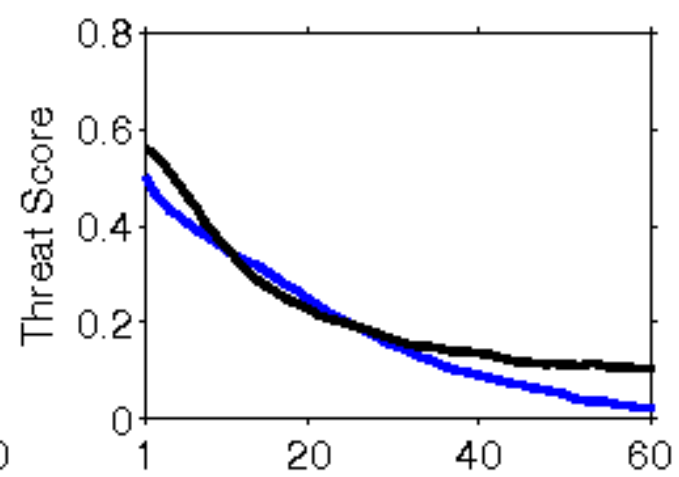
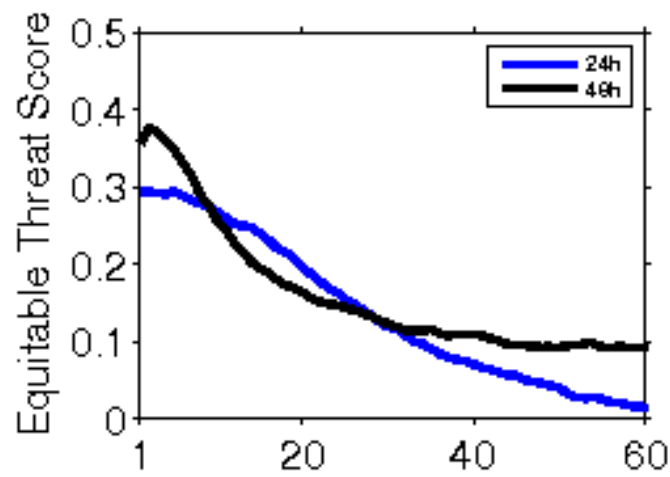
WRF Start Time  
00Z 18102019

Forecast Period  
03Z 18102019-03Z 19102019



WRF Start Time  
00Z 18102019

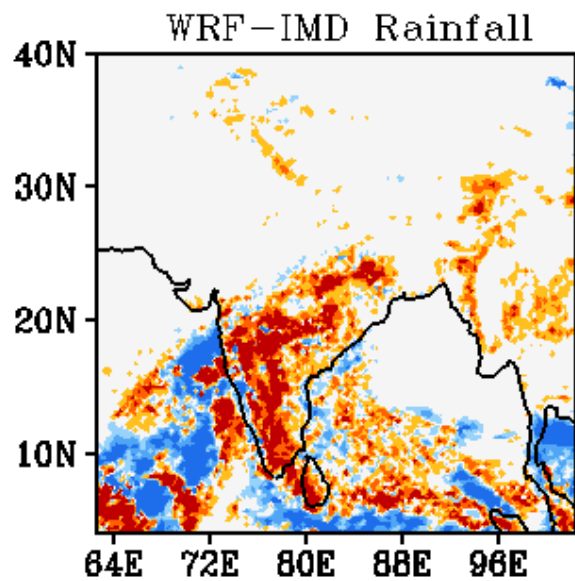
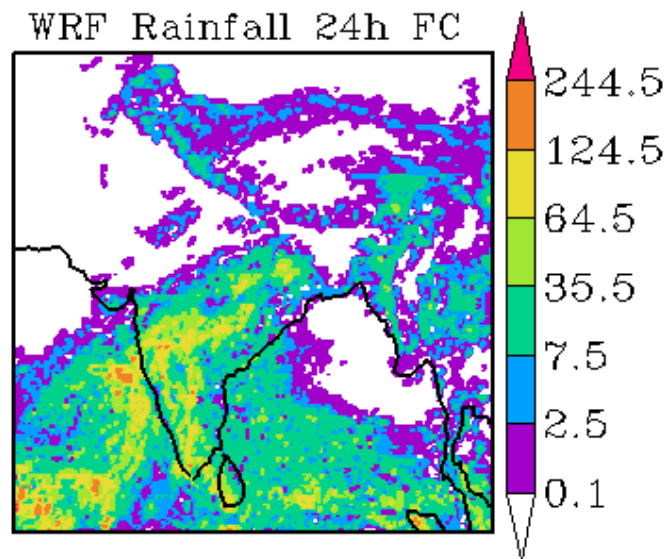
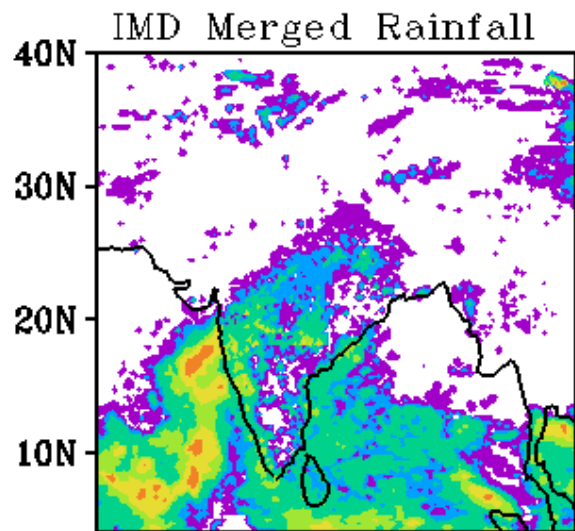
Forecast Period  
03Z 19102019-03Z 20102019





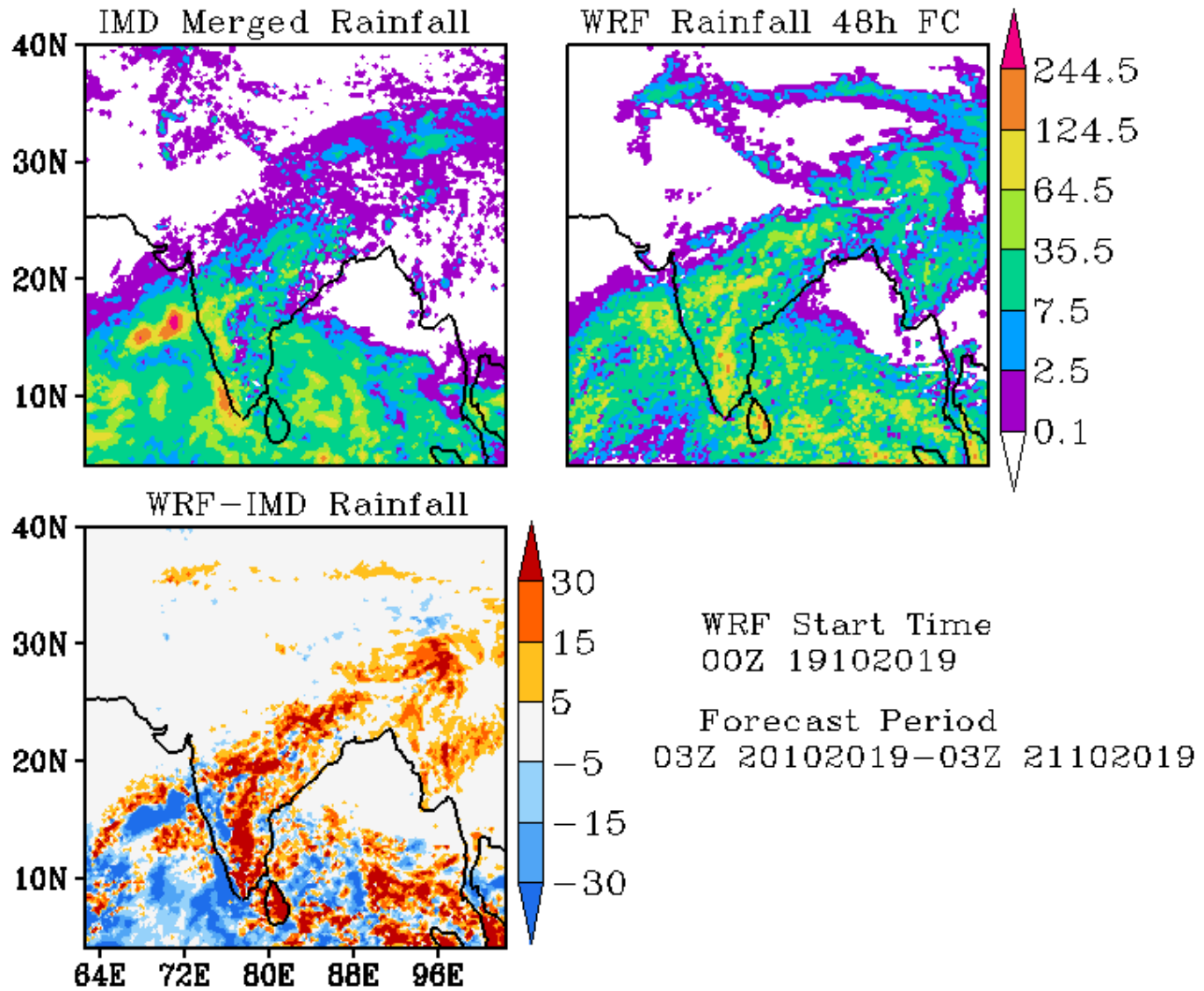
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 19-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

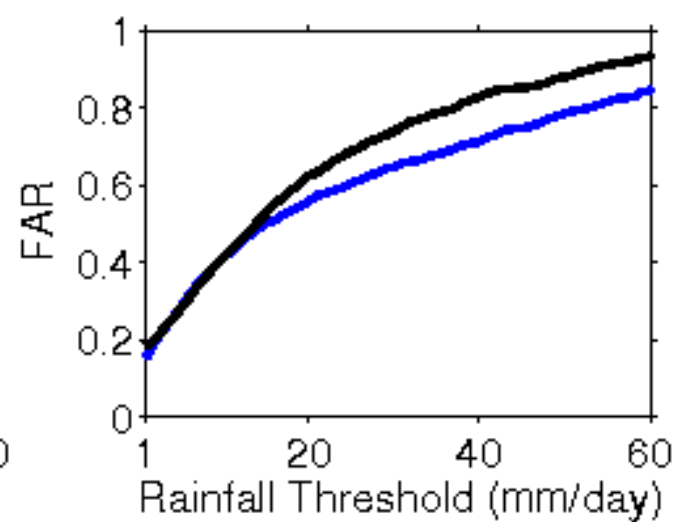
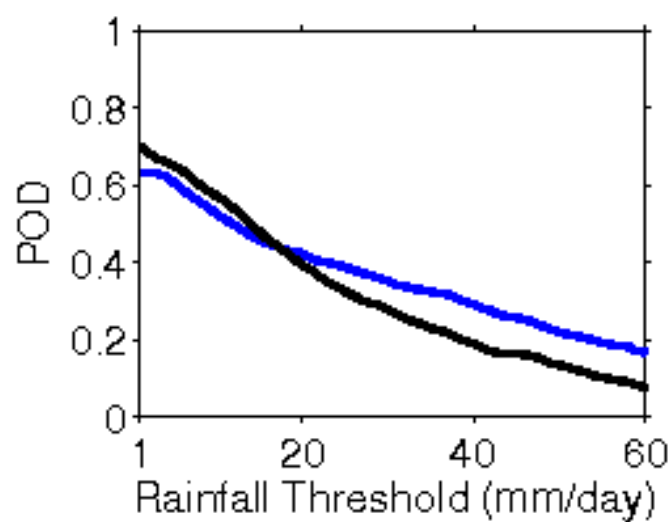
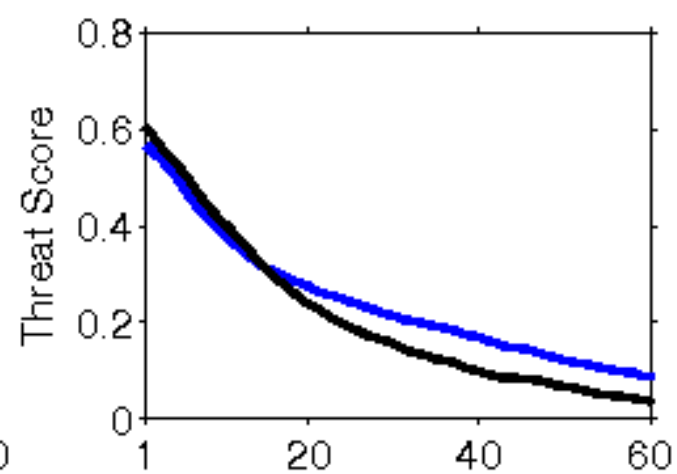
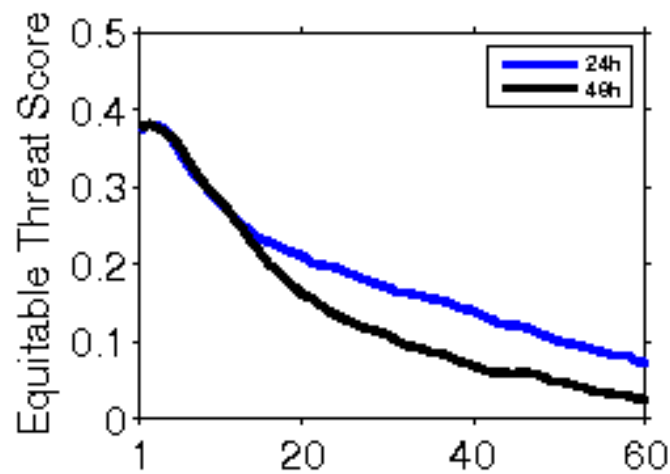
<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.44(-0.22)	12.29(4.33)	1.98(0.77)
<b>48 Hour</b>	1.67(-0.17)	13.24(5.04)	1.99(0.84)
<b>72 Hour</b>	1.82(-0.10)	13.99(4.52)	2.37(0.75)



WRF Start Time  
00Z 19102019

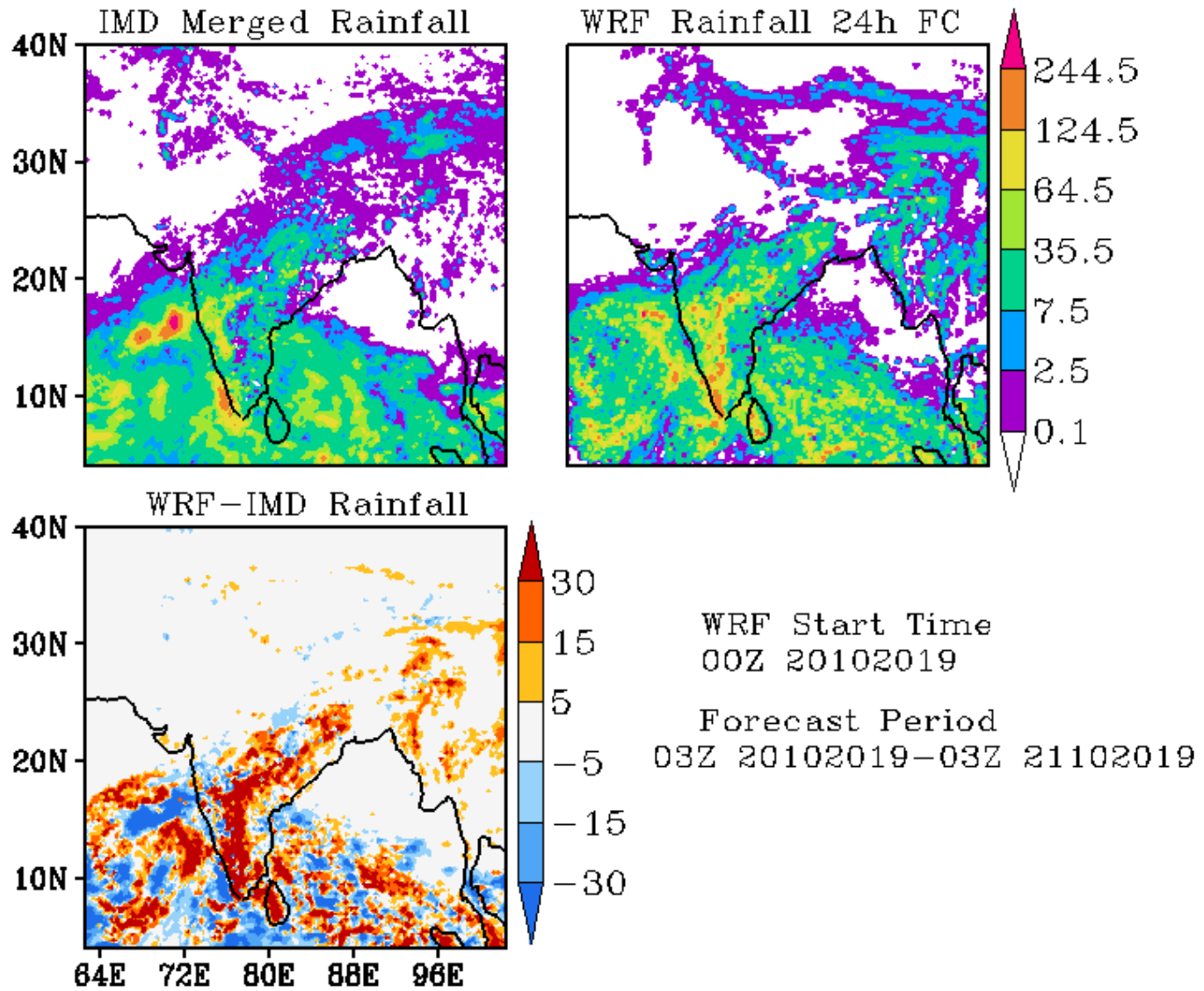
Forecast Period  
03Z 19102019-03Z 20102019

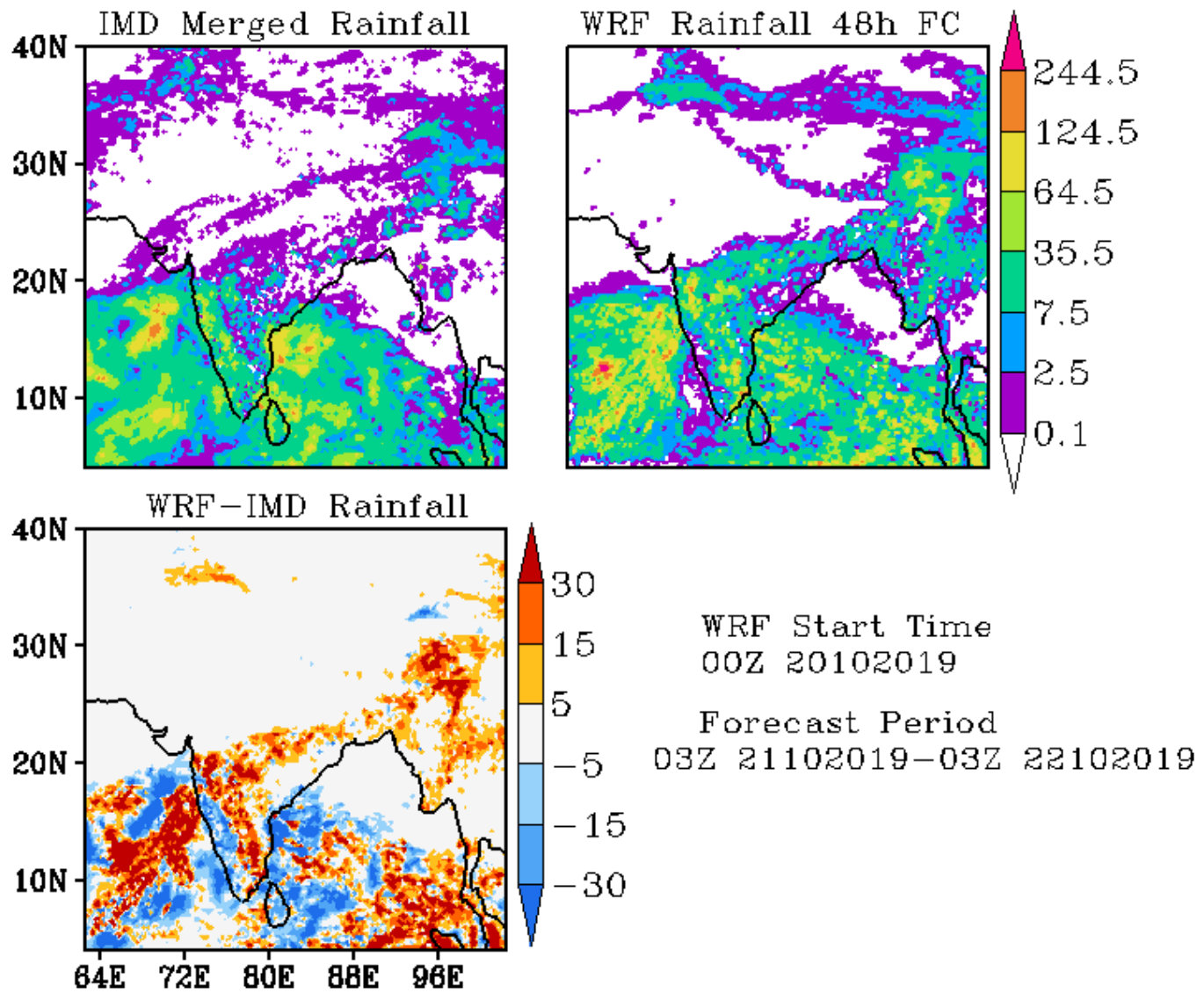


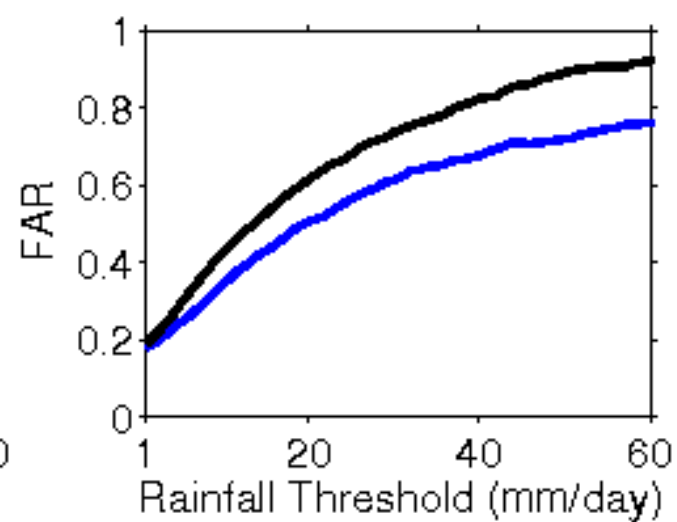
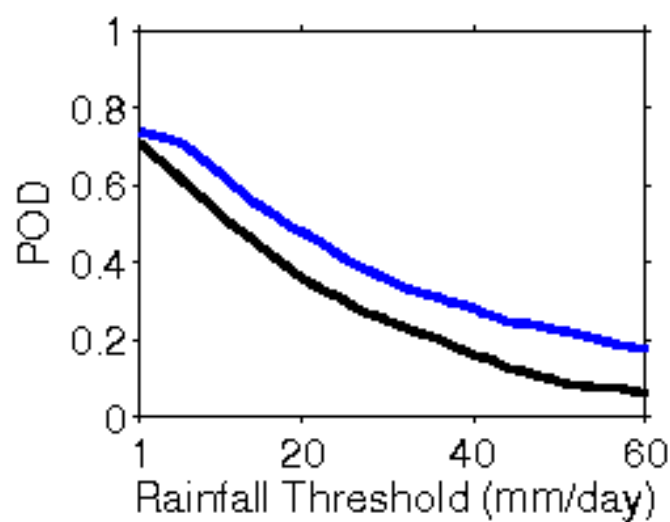
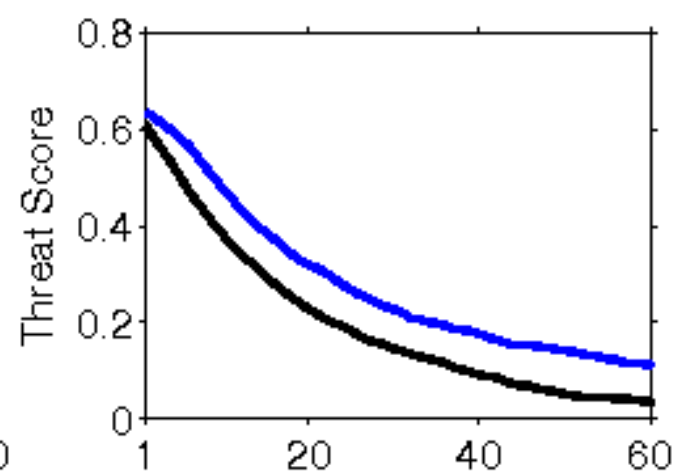
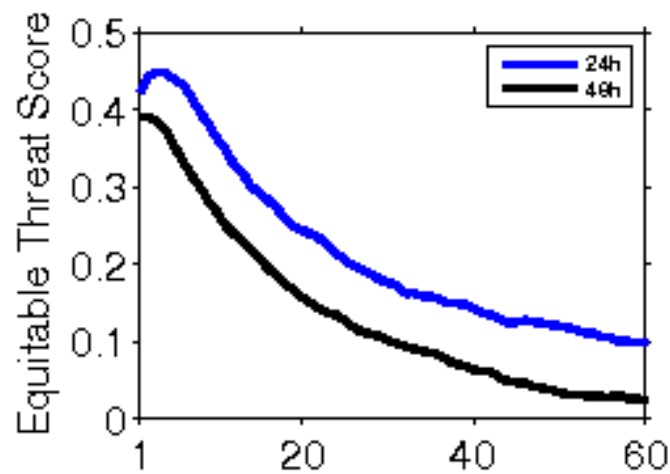


**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 20-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.53(-0.17)	12.18(5.10)	1.98(0.60)
<b>48 Hour</b>	1.89(-0.14)	13.80(5.12)	2.30(0.57)
<b>72 Hour</b>	2.11(0.10)	14.95(4.28)	2.72(0.48)



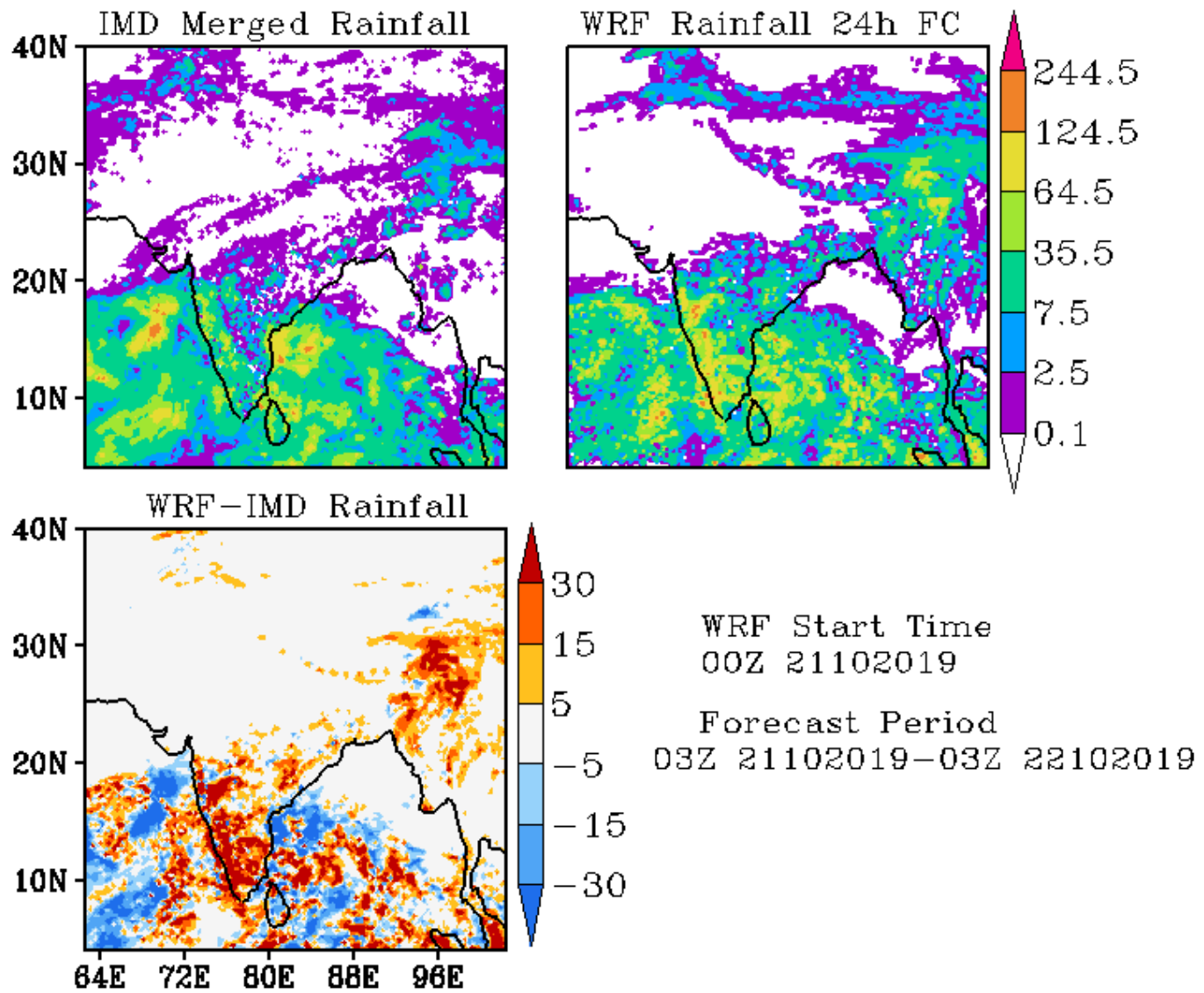


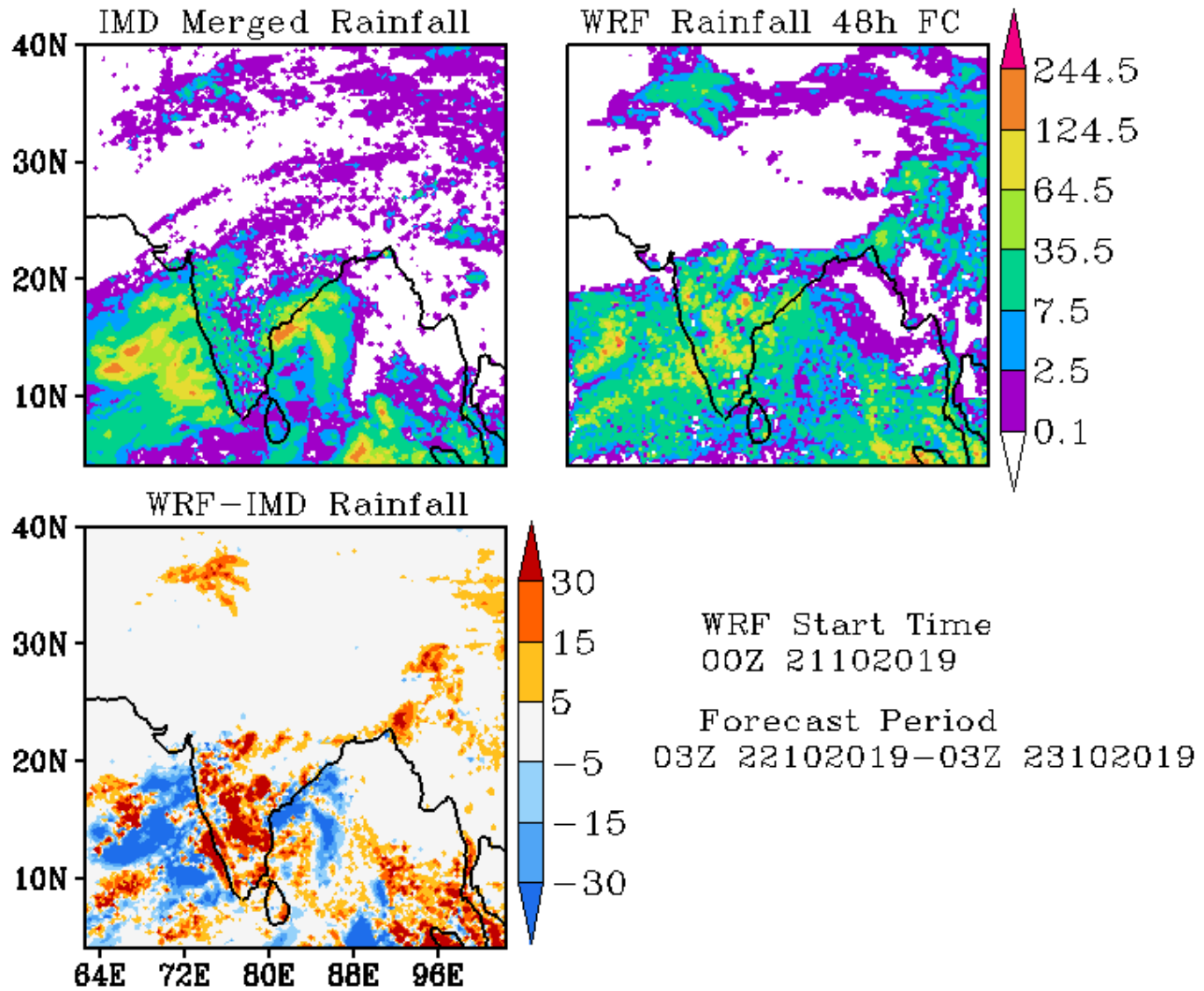


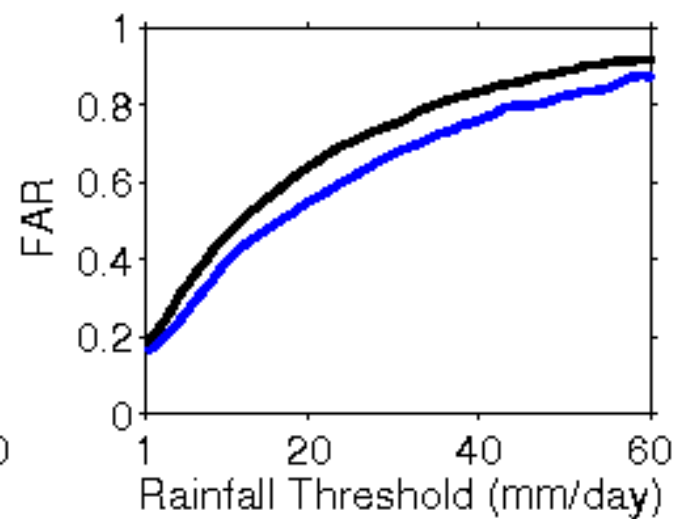
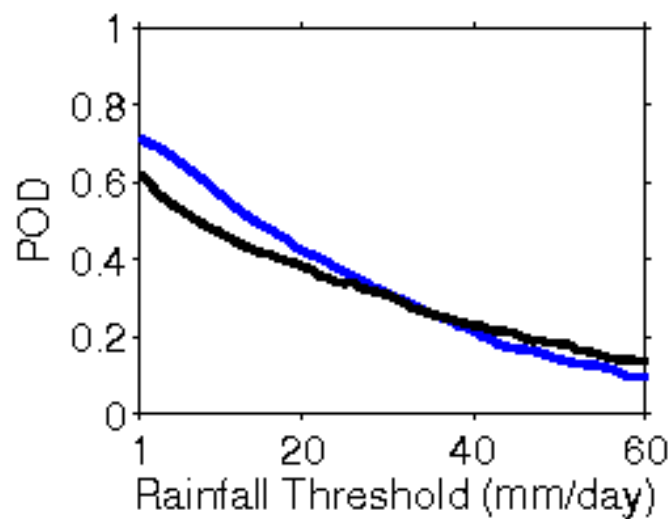
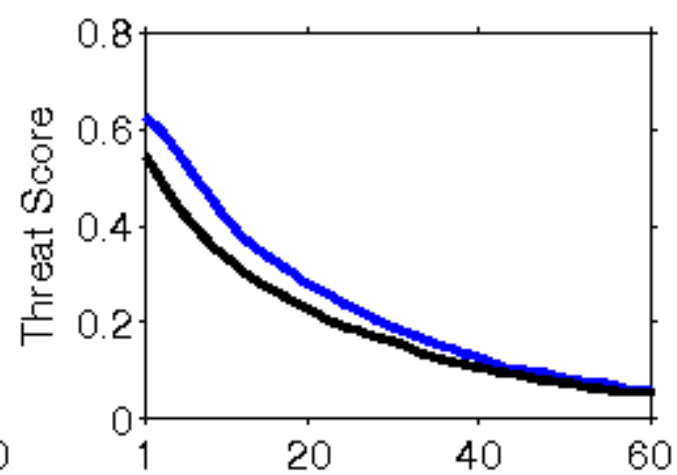
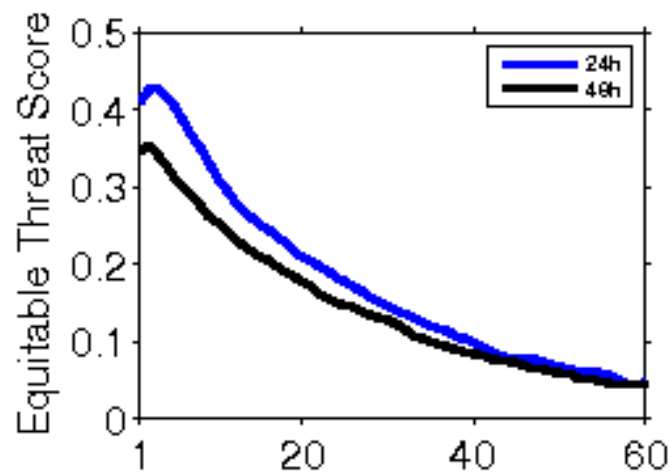


**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 21-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.56(-0.25)	12.45(4.33)	2.04(0.52)
<b>48 Hour</b>	1.84(-0.15)	15.74(4.78)	2.44(0.48)
<b>72 Hour</b>	2.13(0.24)	17.18(5.25)	2.83(0.63)

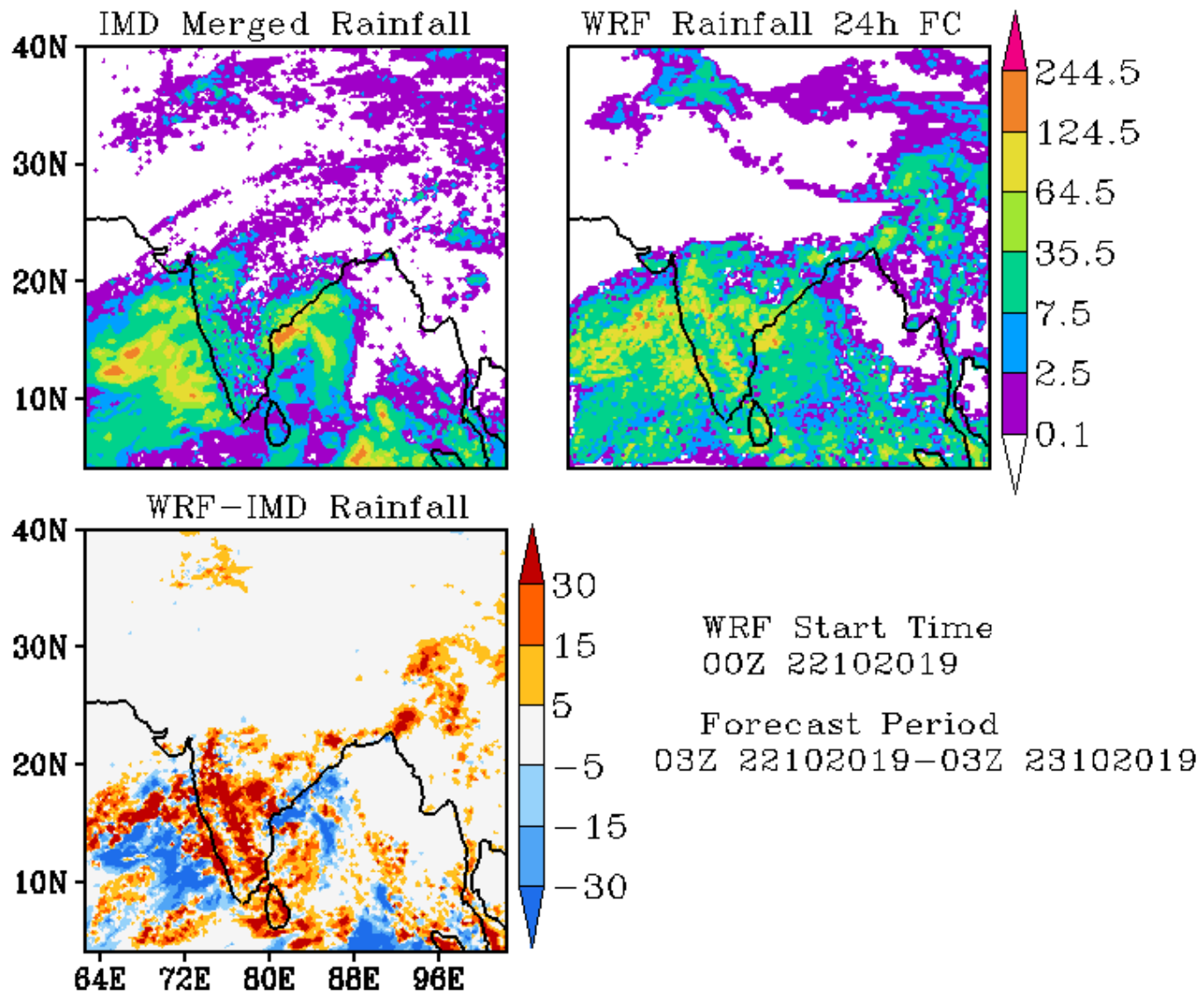


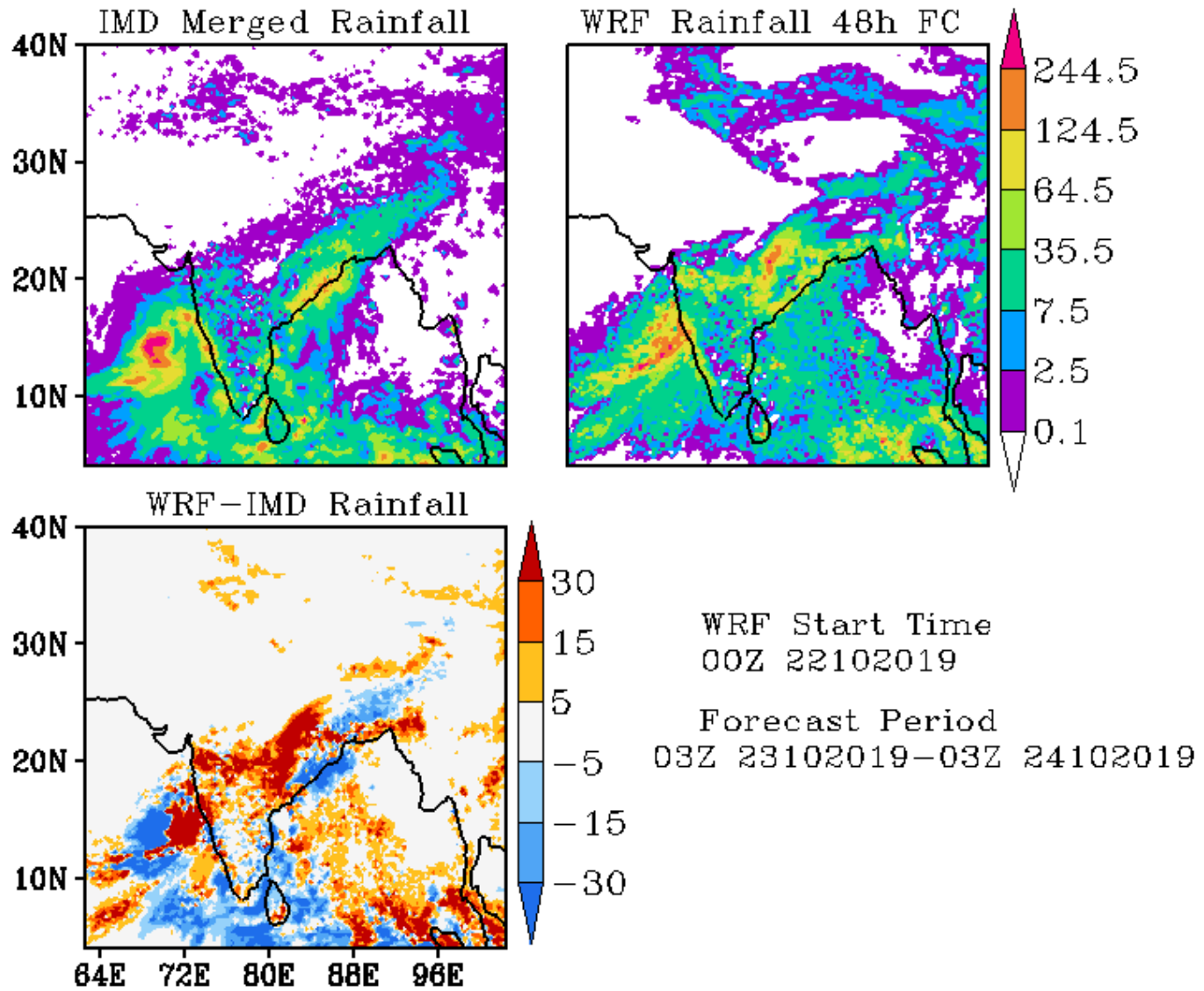


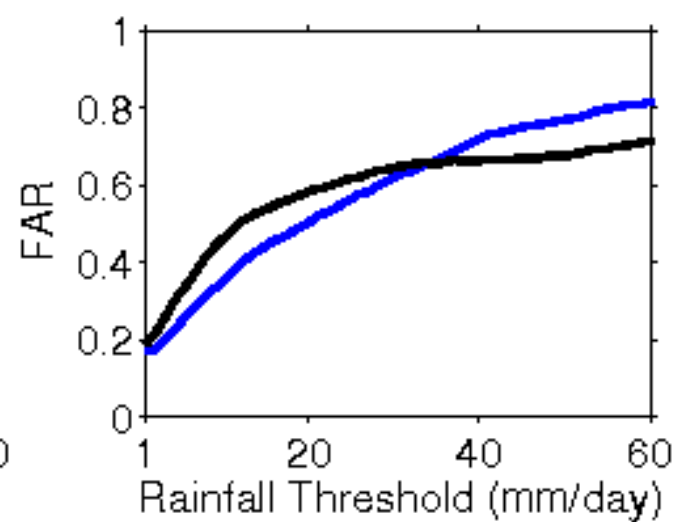
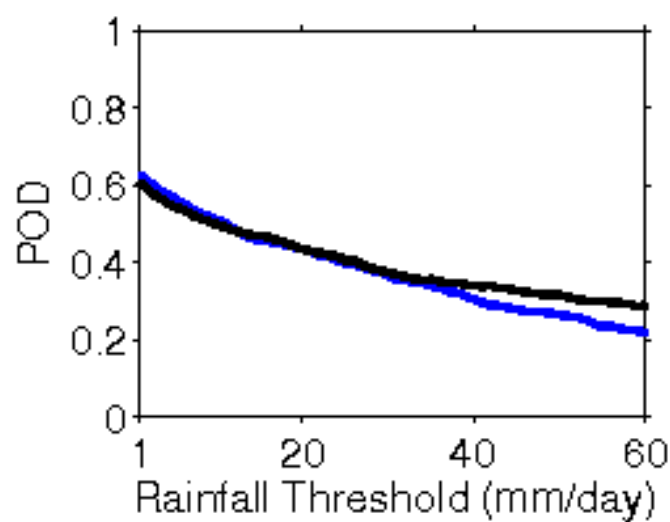
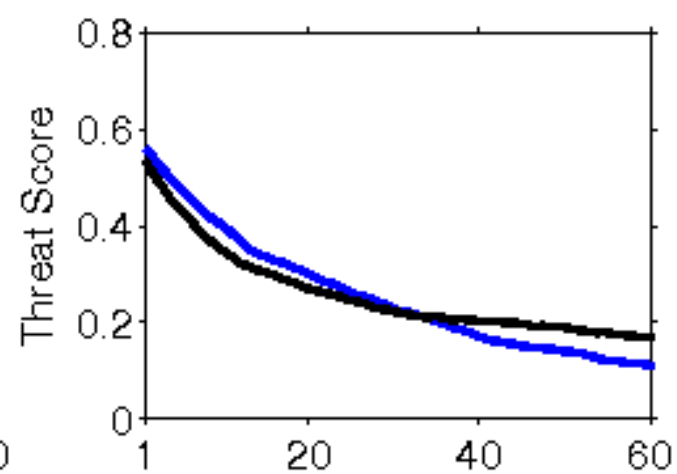
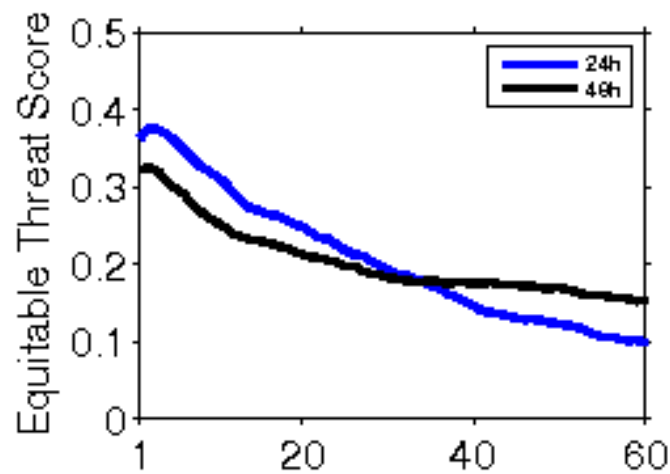


**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 22-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.59(-0.29)	12.28(3.74)	2.15(0.78)
<b>48 Hour</b>	1.97(-0.07)	15.40(4.20)	2.50(0.80)
<b>72 Hour</b>	2.28(-0.08)	16.57(4.51)	2.61(0.49)



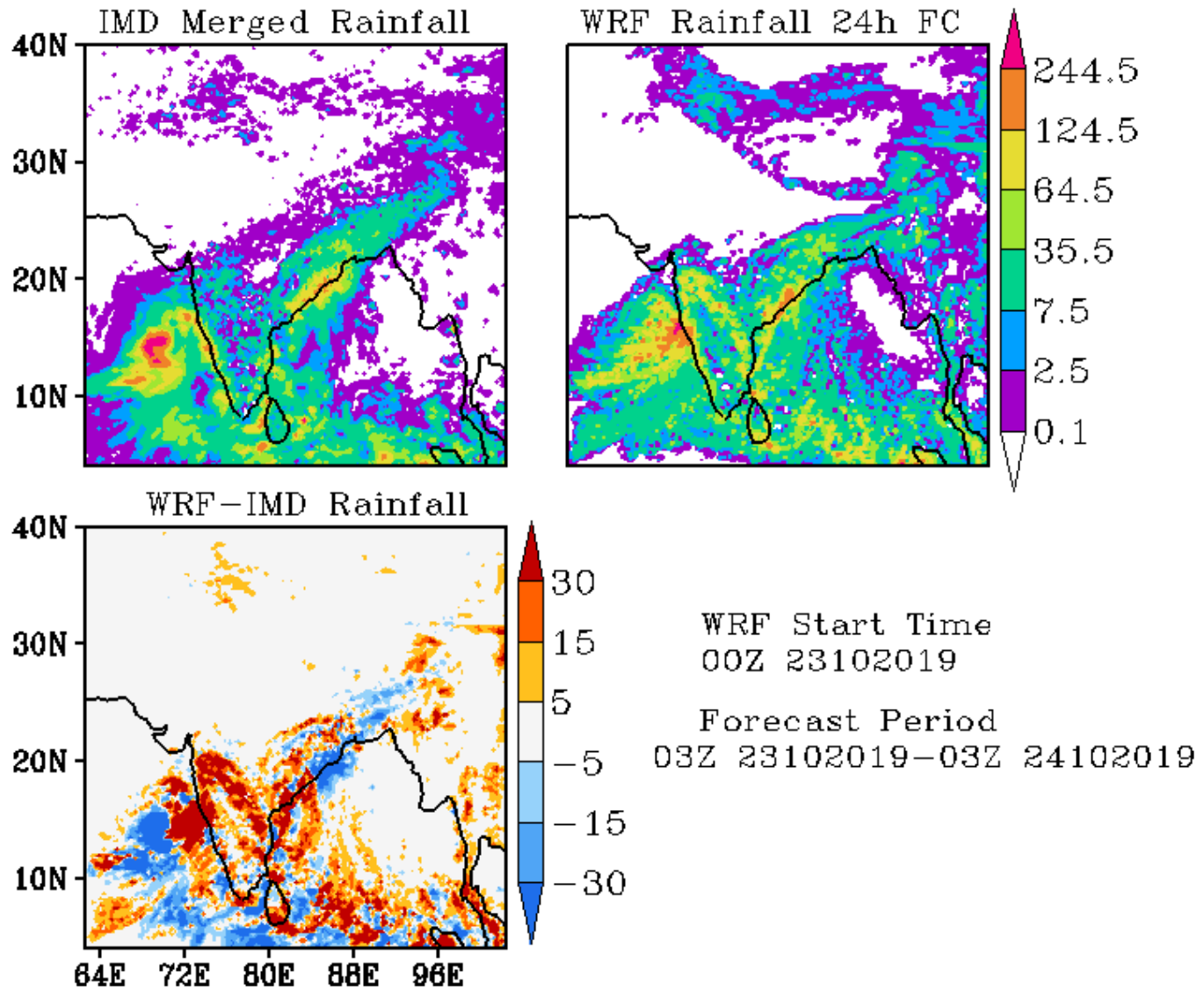


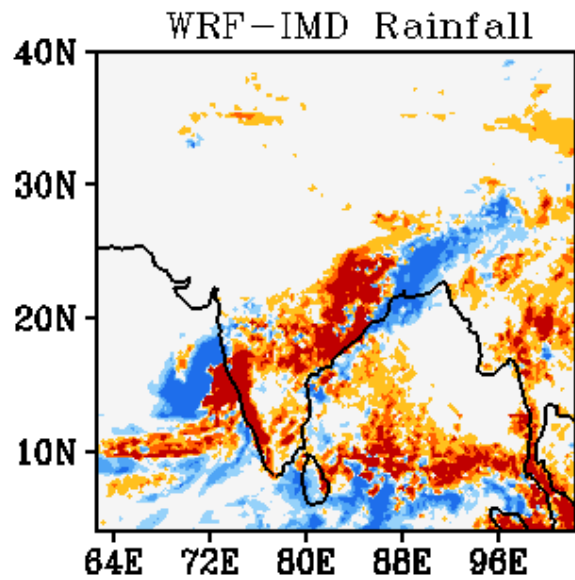
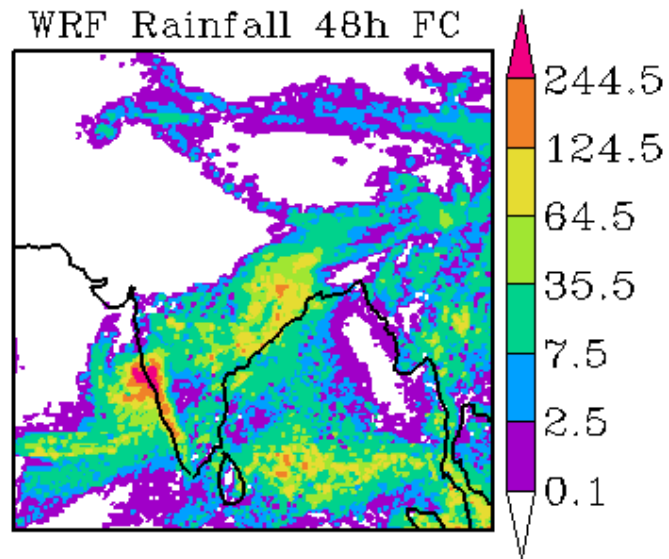
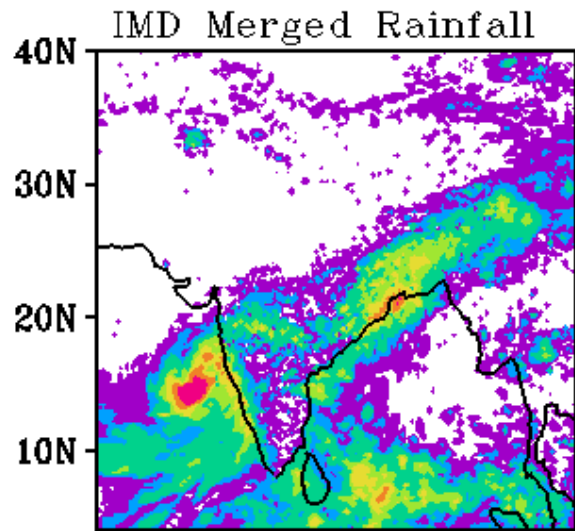




**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 23-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

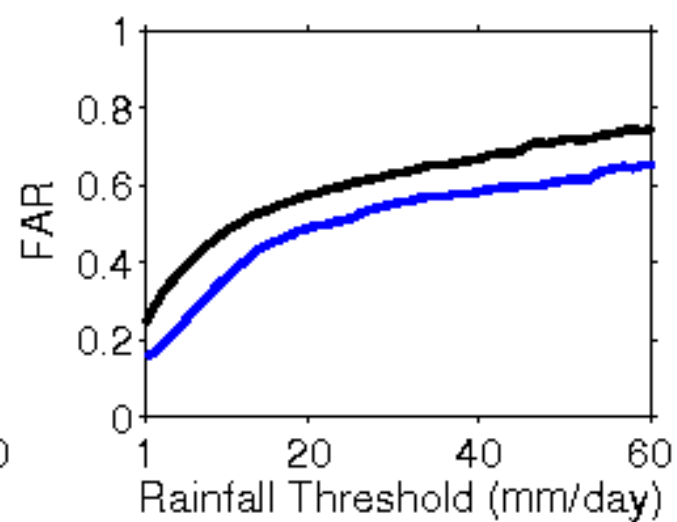
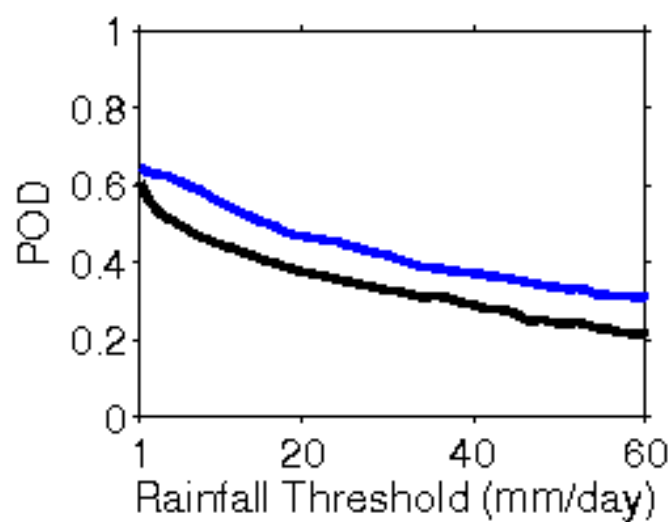
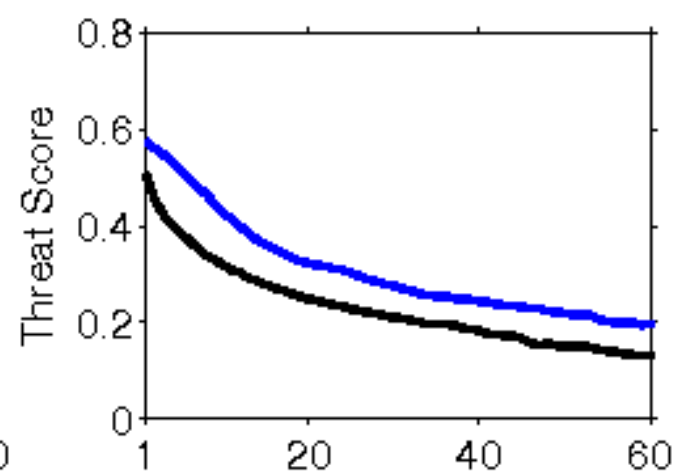
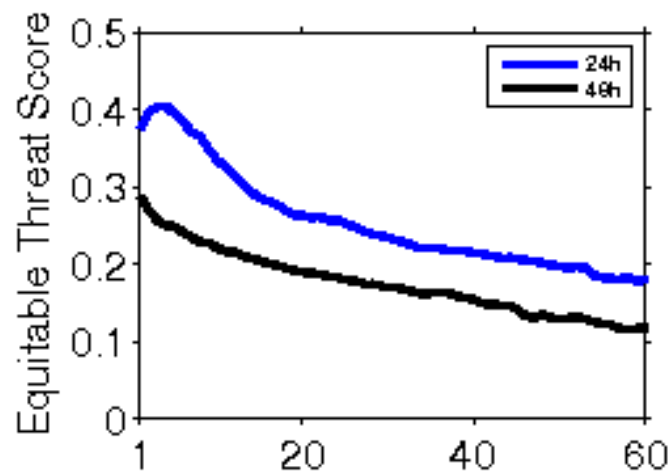
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
<b>24 Hour</b>	1.65(-0.23)	13.86(5.47)	2.12(0.86)
<b>48 Hour</b>	2.02(-0.30)	17.63(4.51)	2.69(0.58)
<b>72 Hour</b>	2.31(-0.05)	19.92(4.87)	3.09(0.80)





WRF Start Time  
00Z 23102019

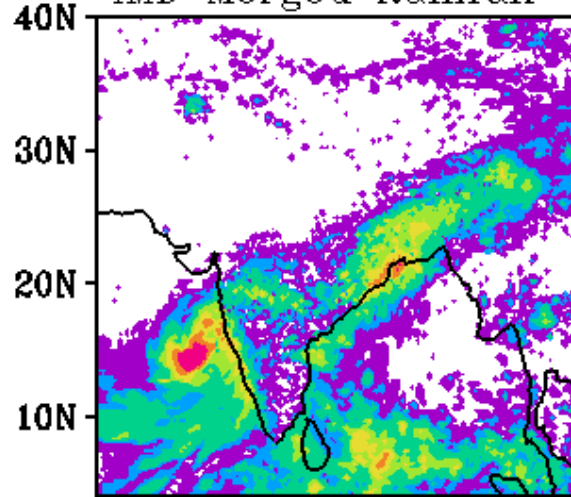
Forecast Period  
03Z 24102019-03Z 25102019



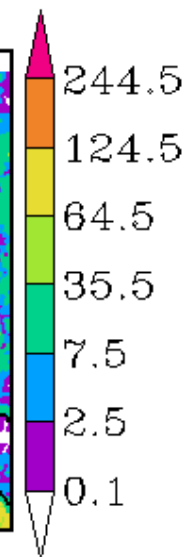
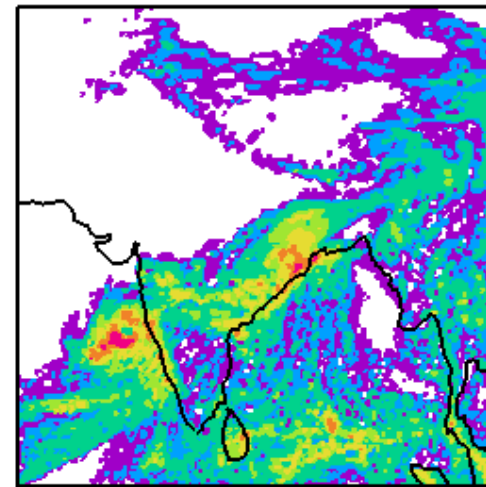
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 24-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
<b>24 Hour</b>	1.57(-0.28)	12.63(4.37)	2.19(0.99)
<b>48 Hour</b>	1.77(-0.18)	15.30(4.26)	2.56(0.81)
<b>72 Hour</b>	1.72(-0.30)	15.76(3.43)	2.87(0.61)

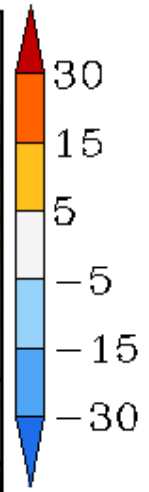
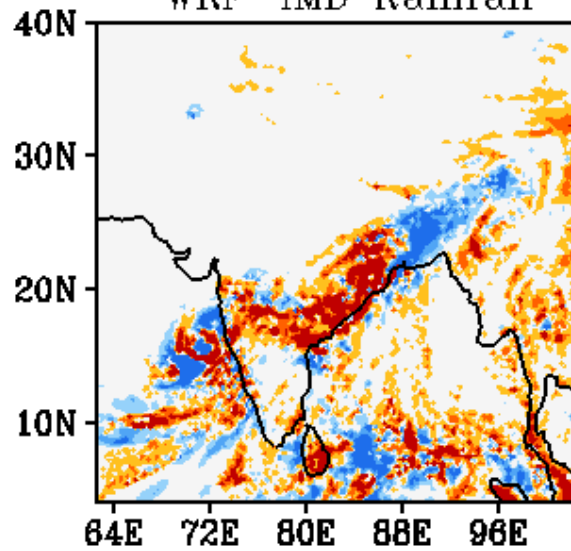
IMD Merged Rainfall



WRF Rainfall 24h FC

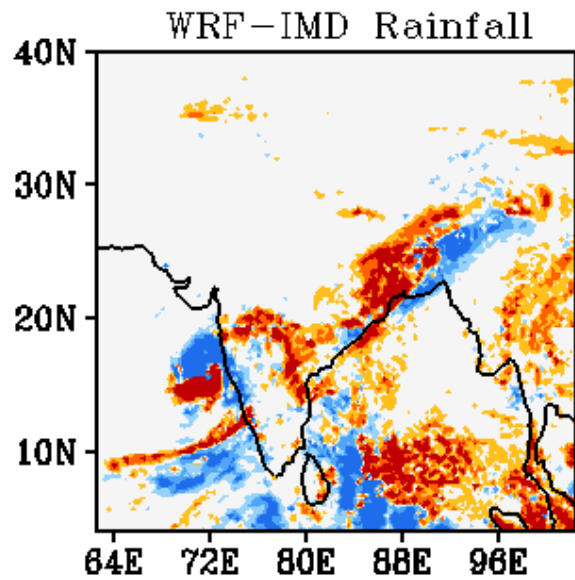
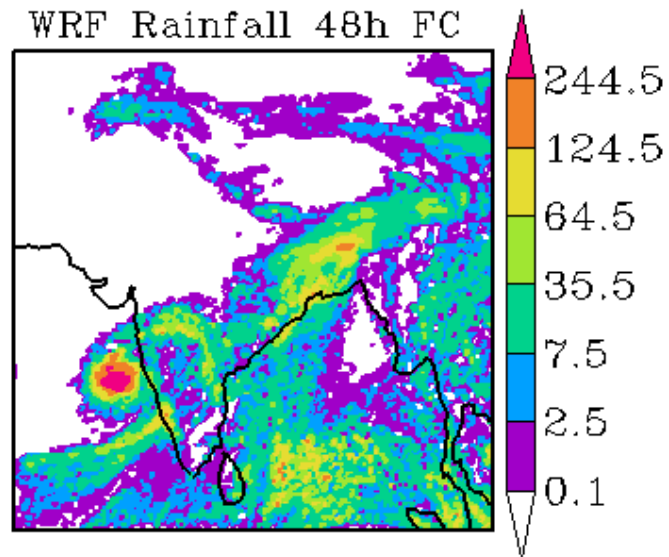
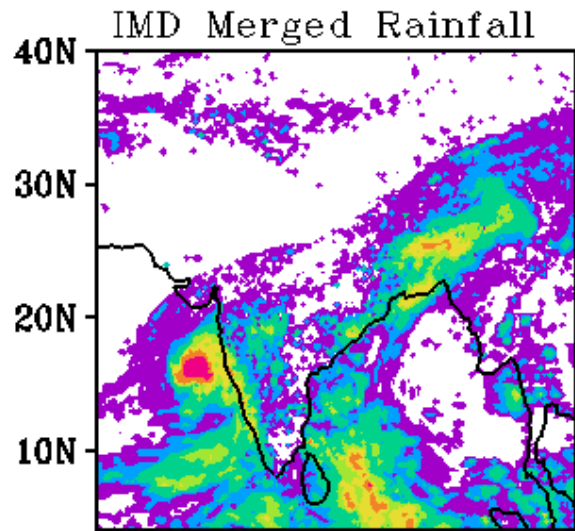


WRF-IMD Rainfall



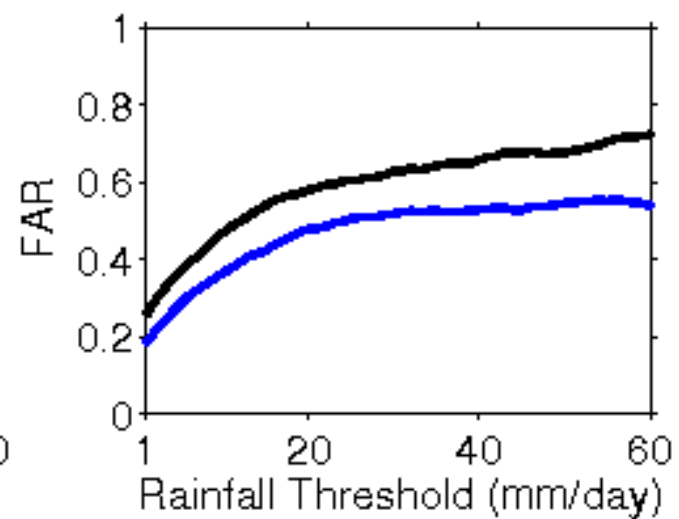
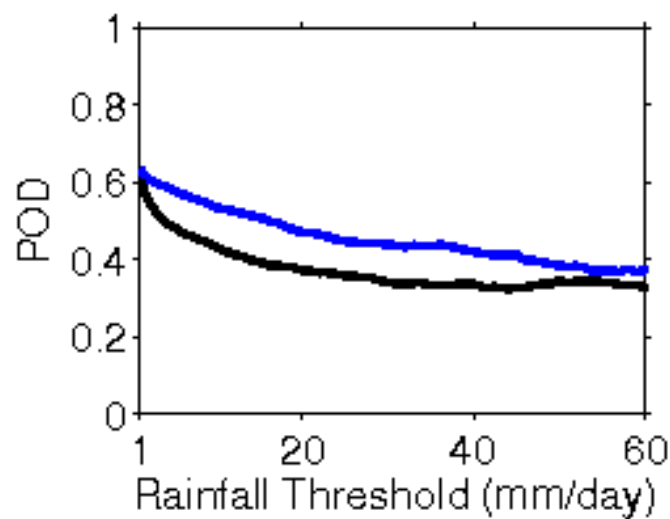
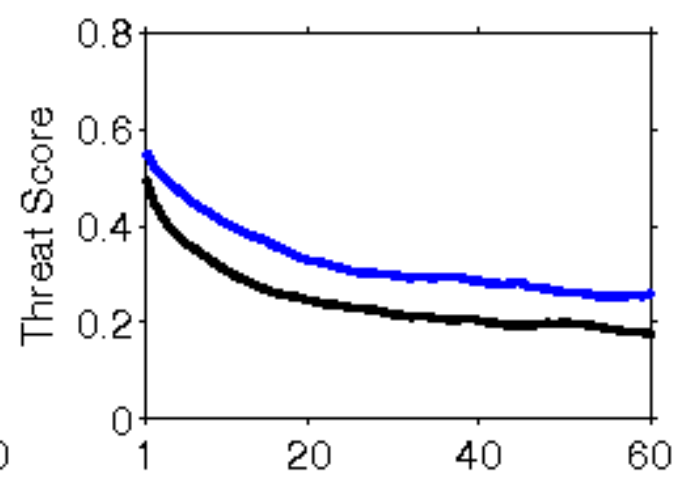
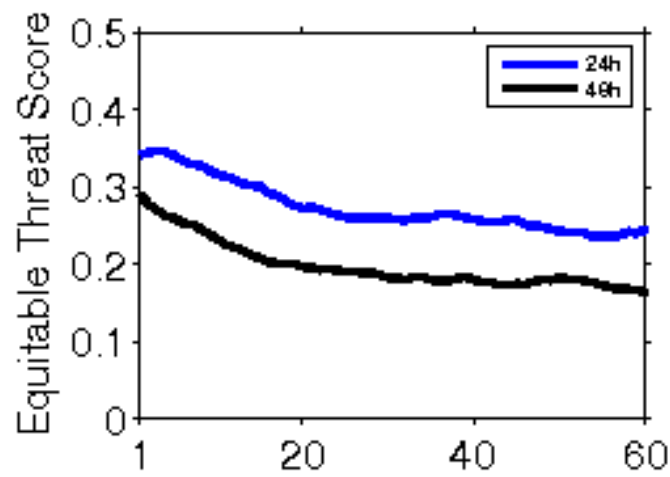
WRF Start Time  
00Z 24102019

Forecast Period  
03Z 24102019-03Z 25102019



WRF Start Time  
00Z 24102019

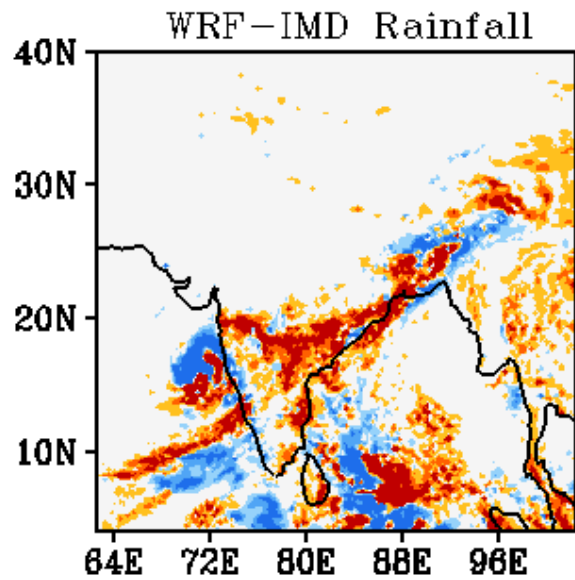
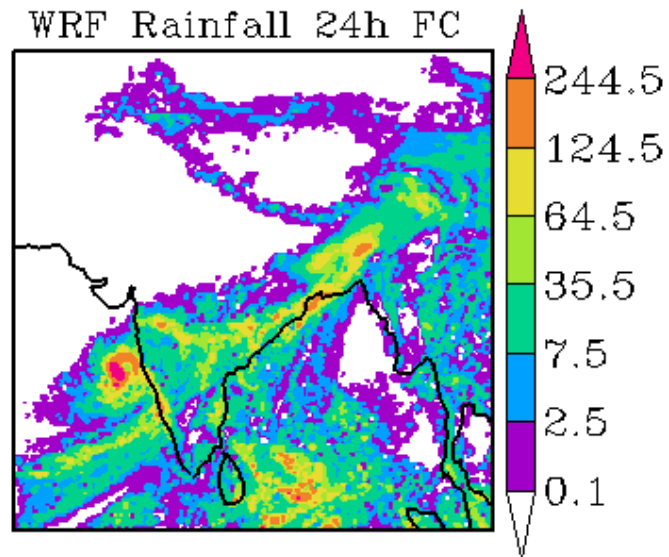
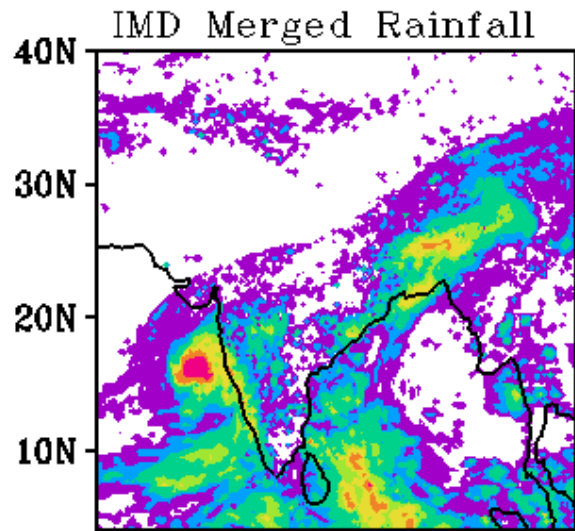
Forecast Period  
03Z 25102019-03Z 26102019





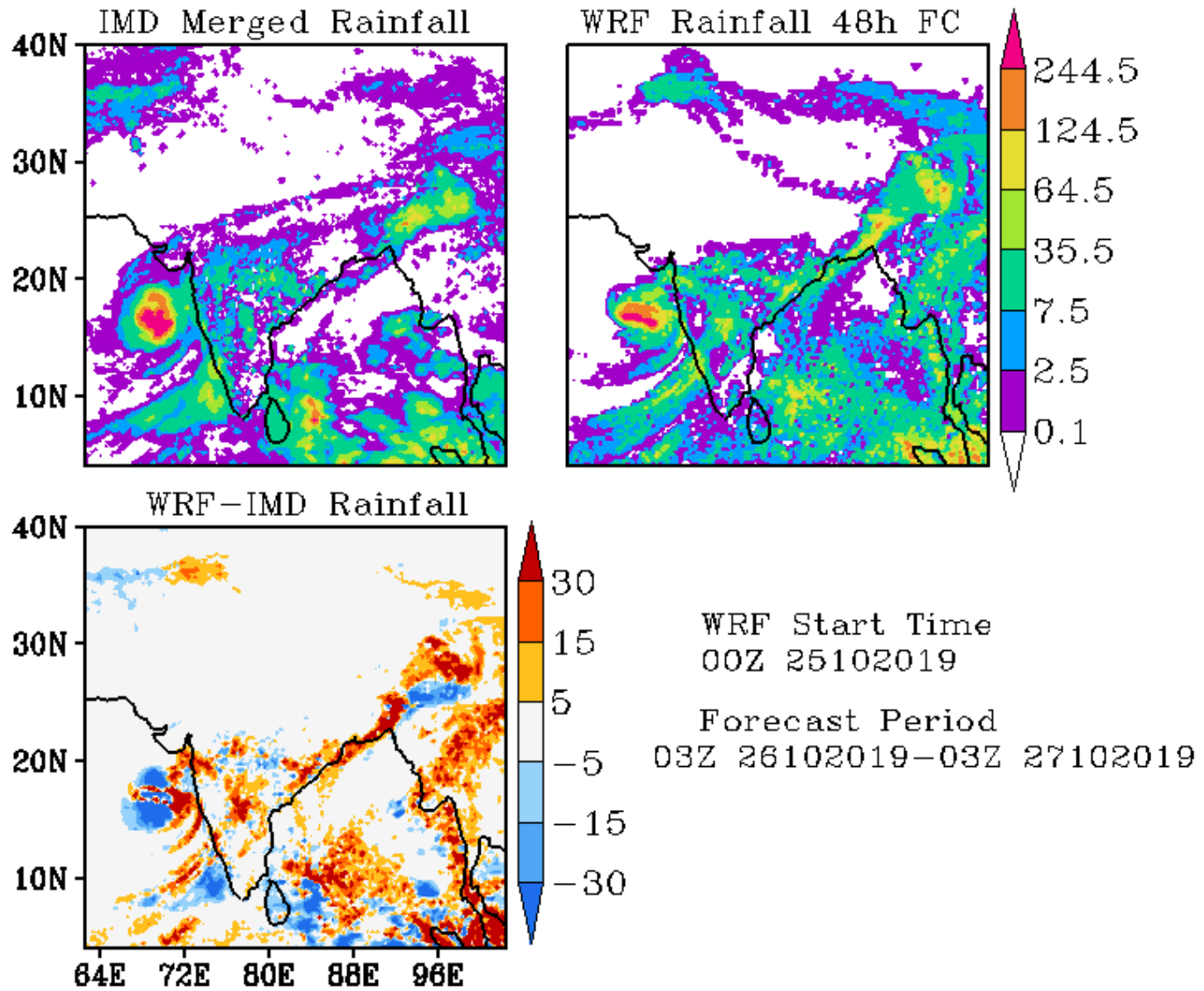
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 25-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

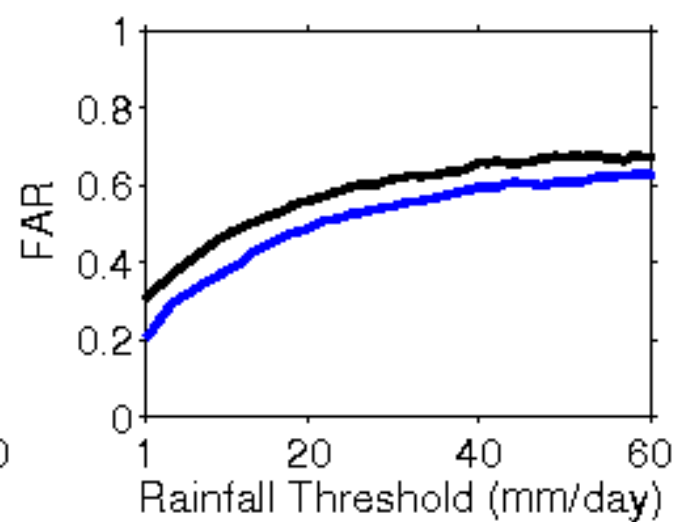
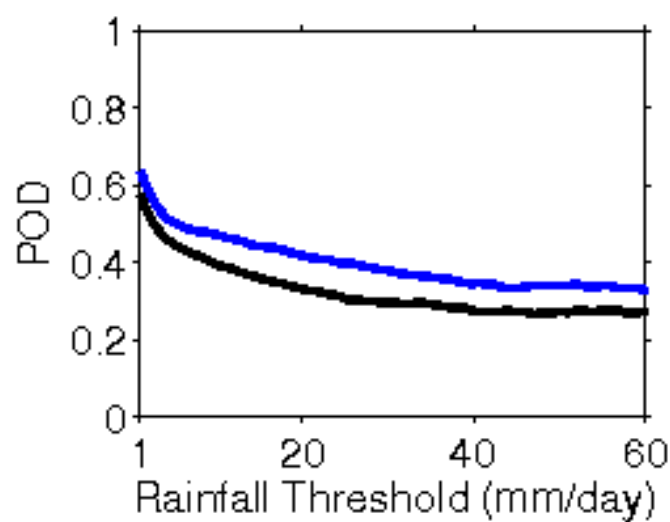
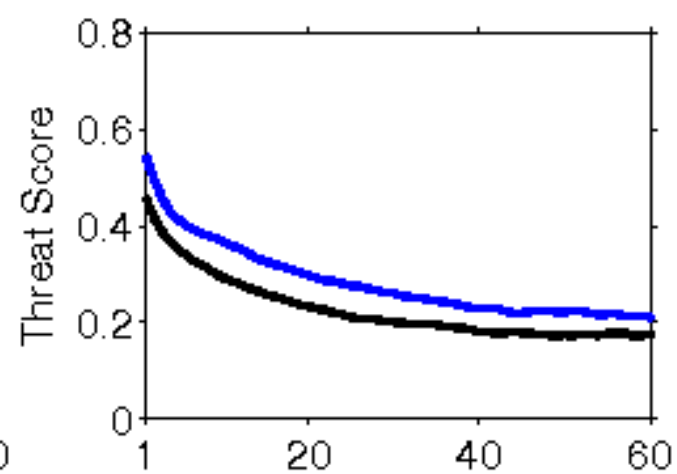
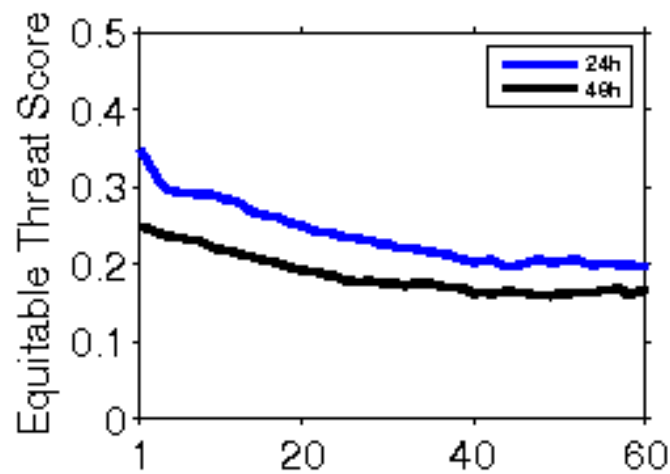
<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.60(-0.30)	12.05(3.06)	2.09(0.95)
<b>48 Hour</b>	1.74(-0.14)	13.88(3.19)	2.51(1.04)
<b>72 Hour</b>	1.79(-0.28)	14.17(3.93)	3.11(0.81)



WRF Start Time  
00Z 25102019

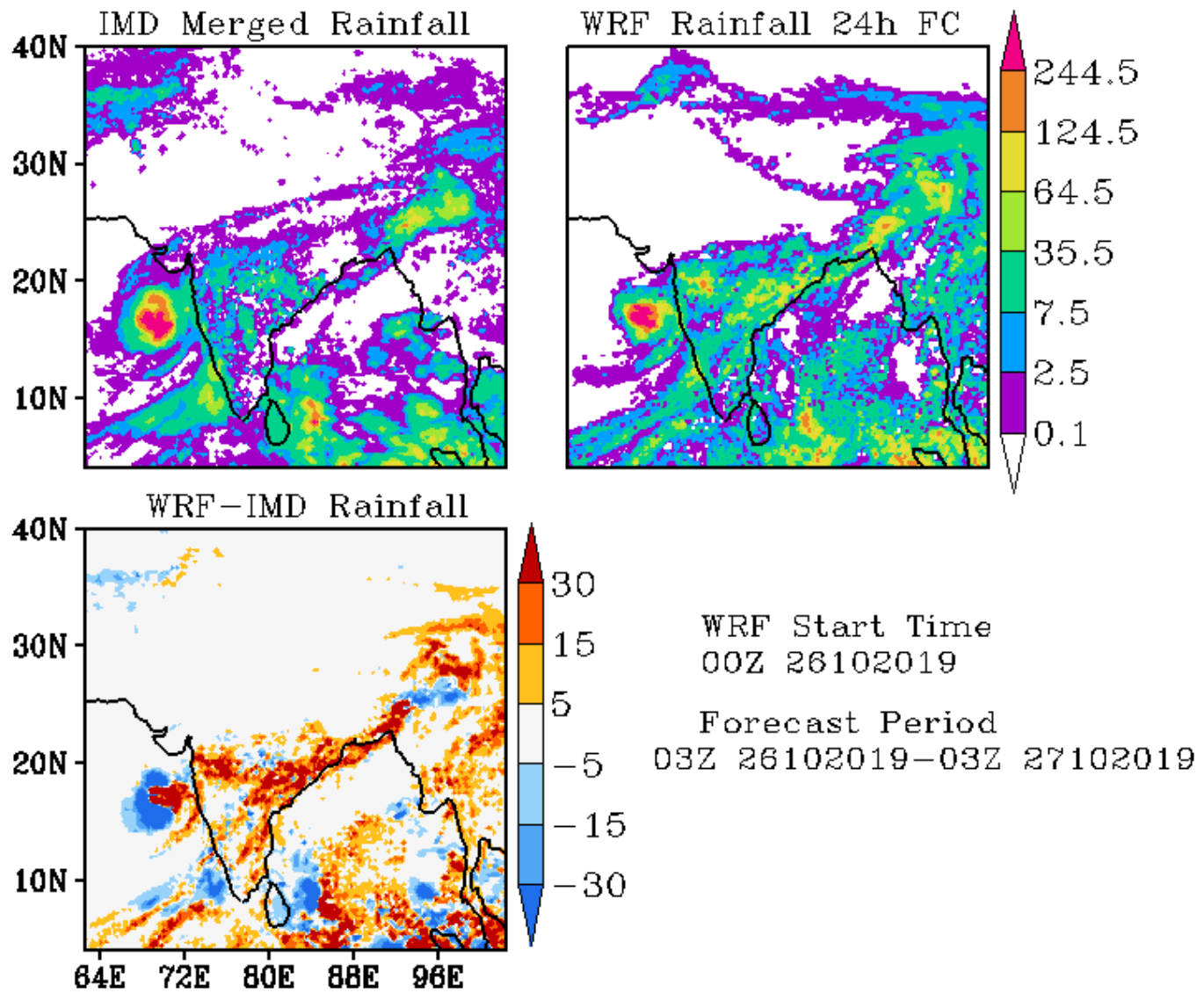
Forecast Period  
03Z 25102019-03Z 26102019

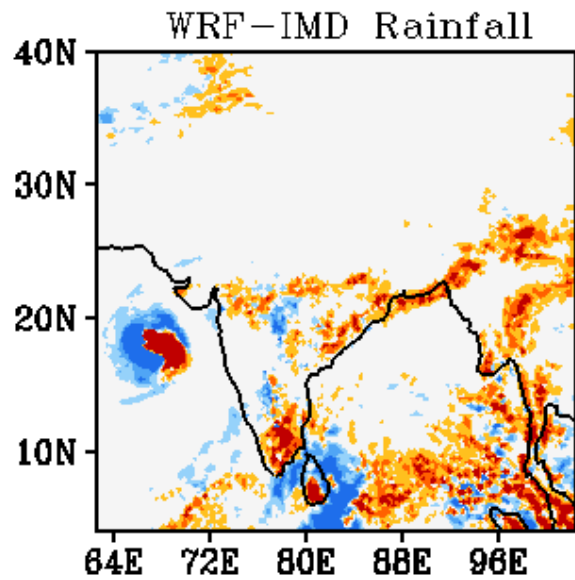
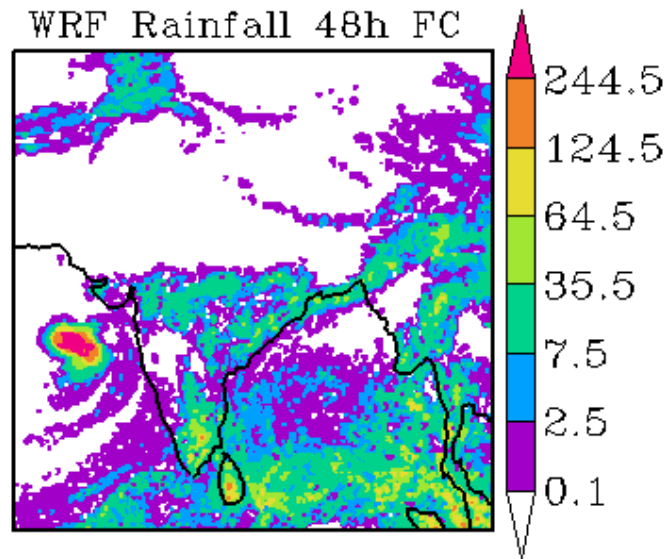
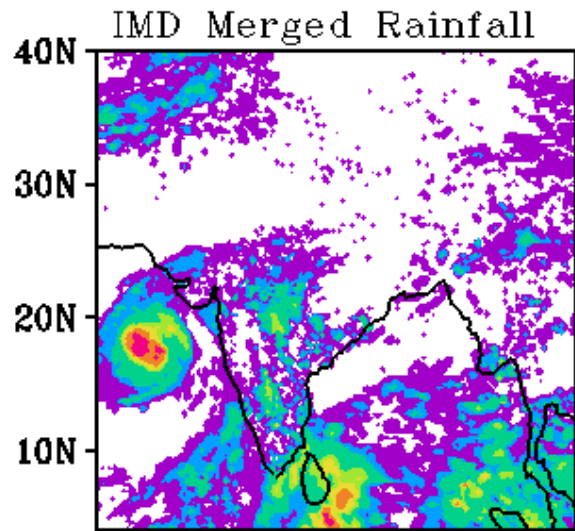




**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 26-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

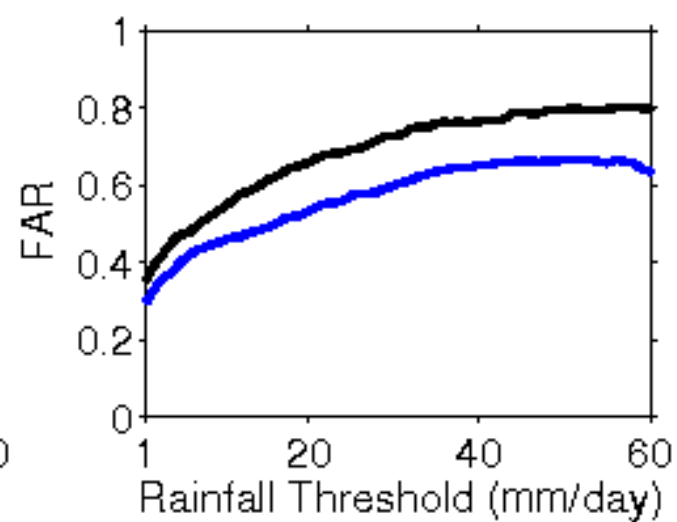
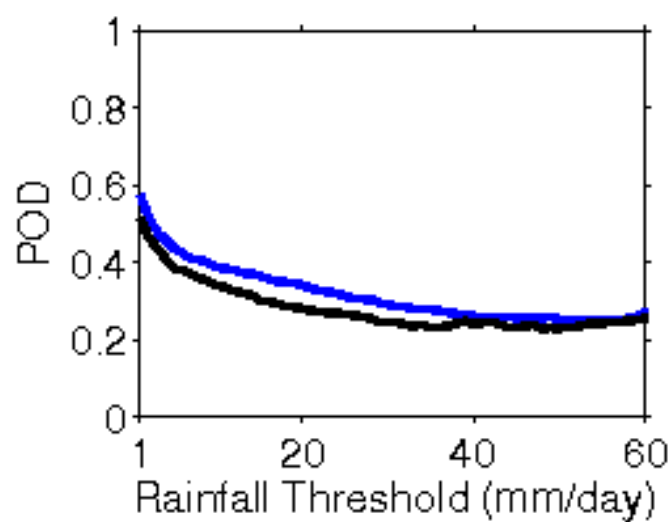
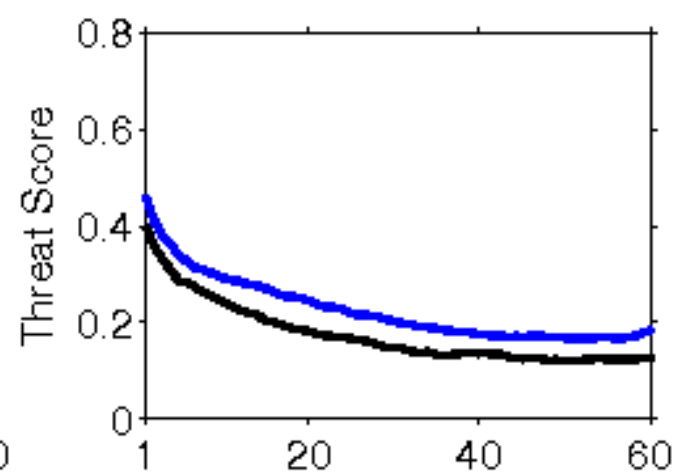
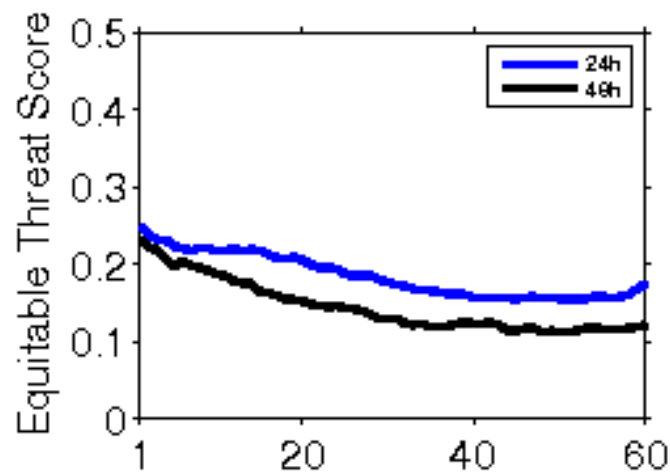
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
<b>24 Hour</b>	1.55(-0.31)	12.74(3.66)	2.10(0.74)
<b>48 Hour</b>	1.90(-0.24)	15.29(2.99)	2.75(1.01)
<b>72 Hour</b>	2.09(-0.10)	18.20(3.95)	3.39(0.92)





WRF Start Time  
00Z 26102019

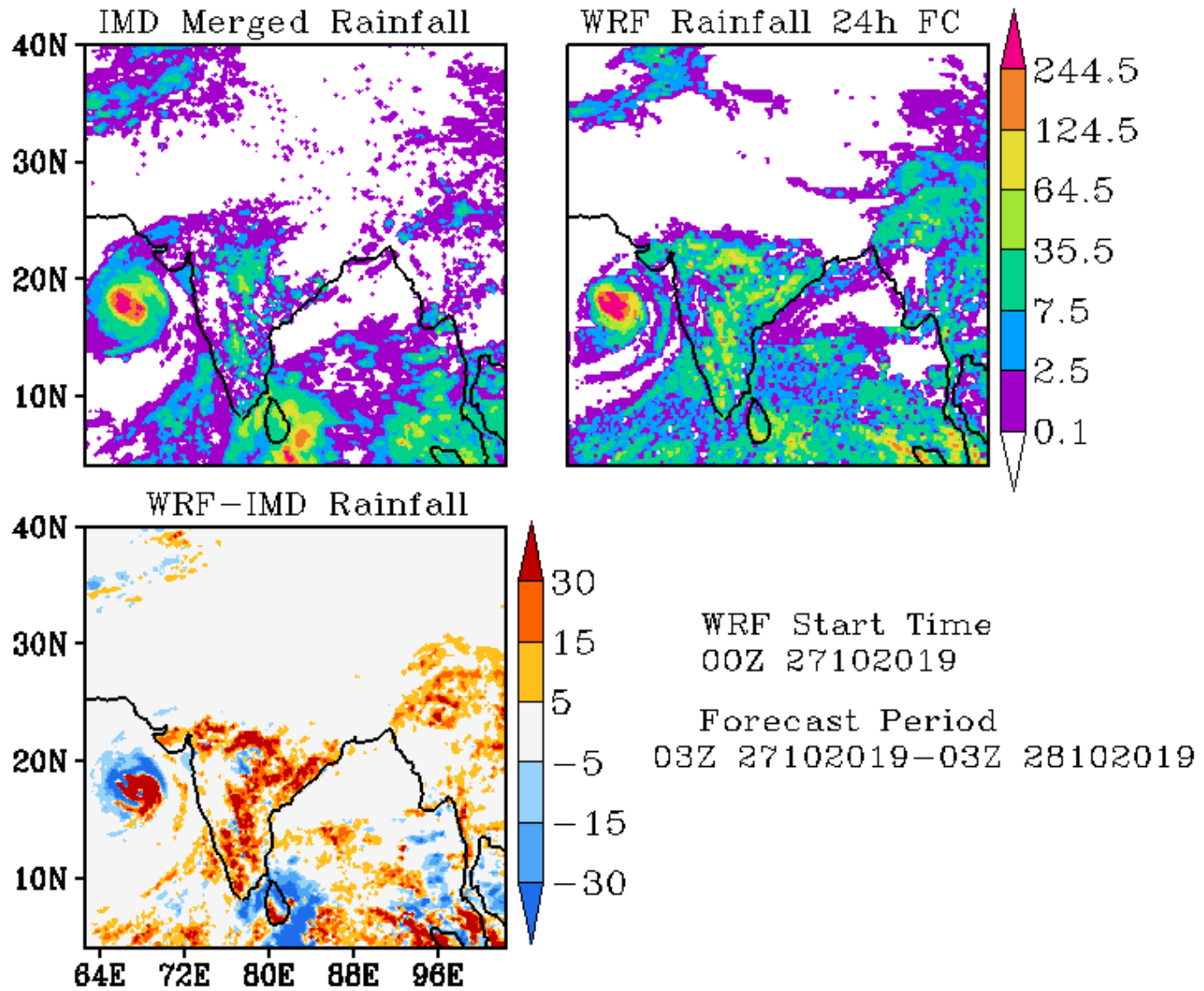
Forecast Period  
03Z 27102019-03Z 28102019

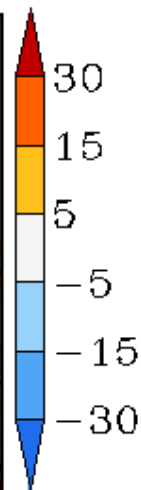
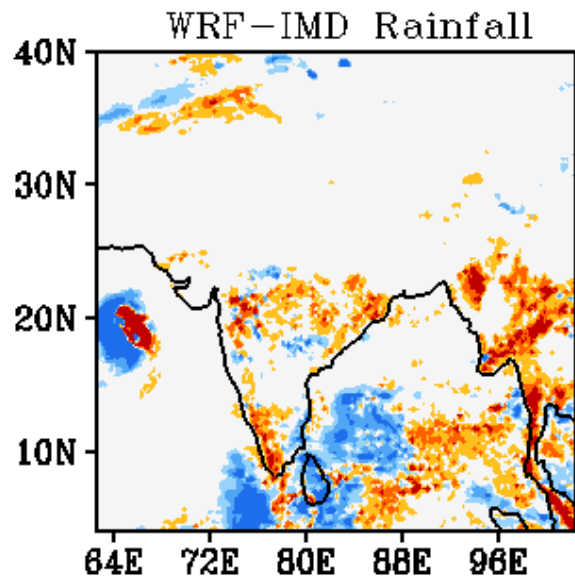
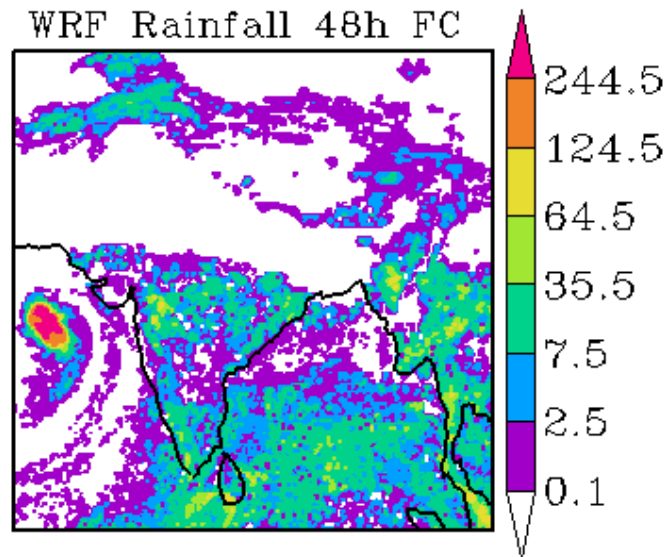
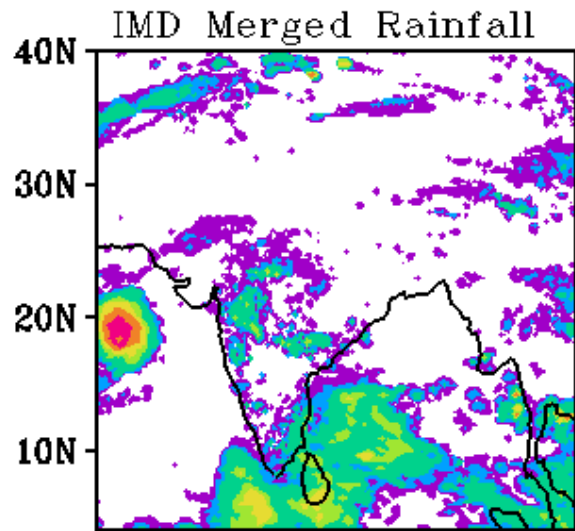




**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 27-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

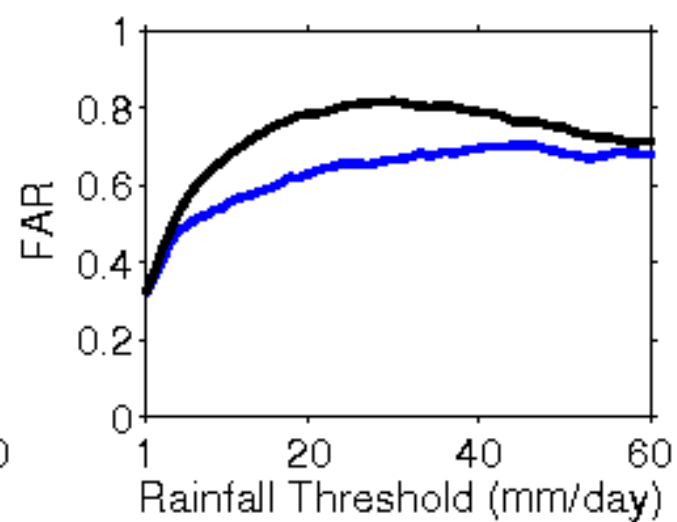
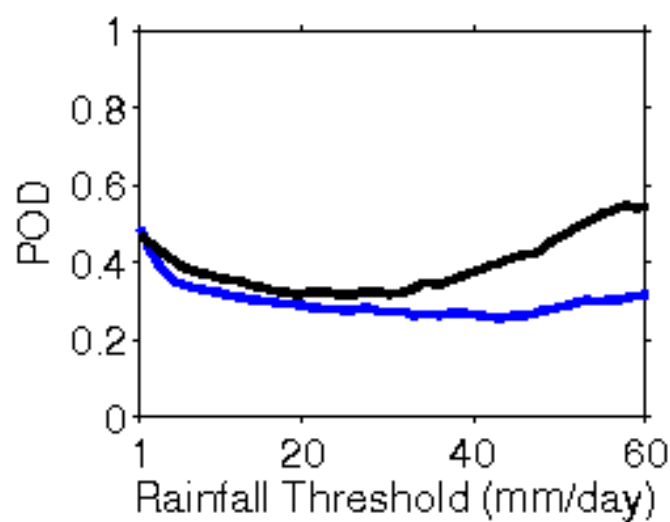
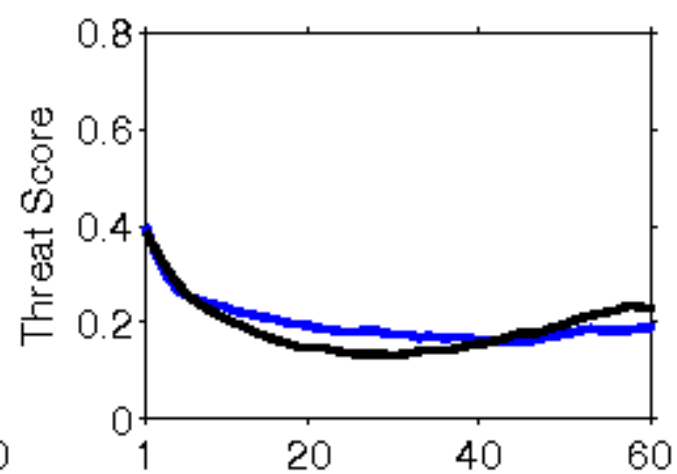
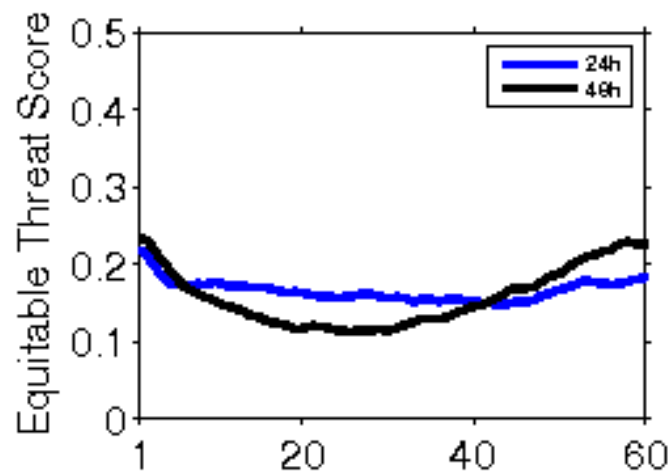
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
<b>24 Hour</b>	1.57(-0.38)	12.68(4.28)	2.24(0.31)
<b>48 Hour</b>	1.89(-0.24)	14.70(3.98)	2.72(0.66)
<b>72 Hour</b>	1.89(-0.36)	17.47(3.86)	3.72(0.59)





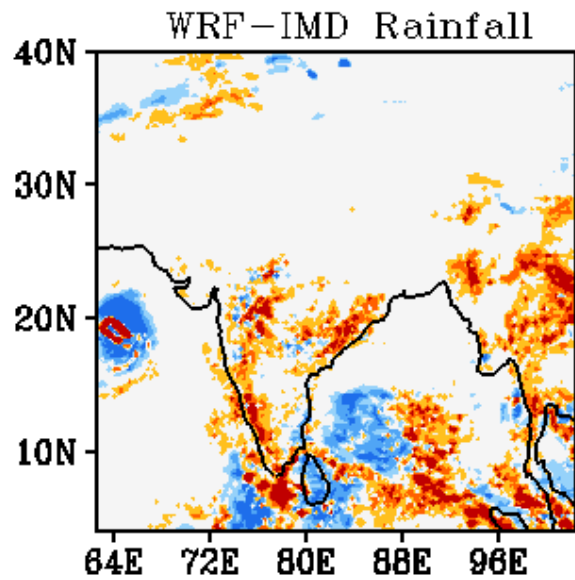
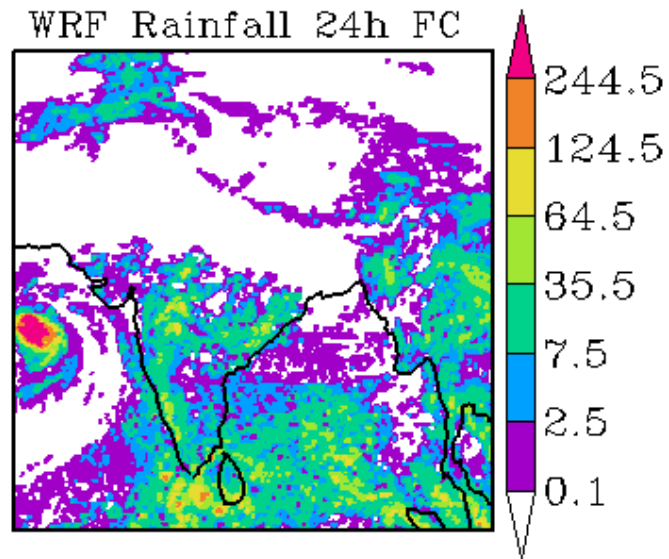
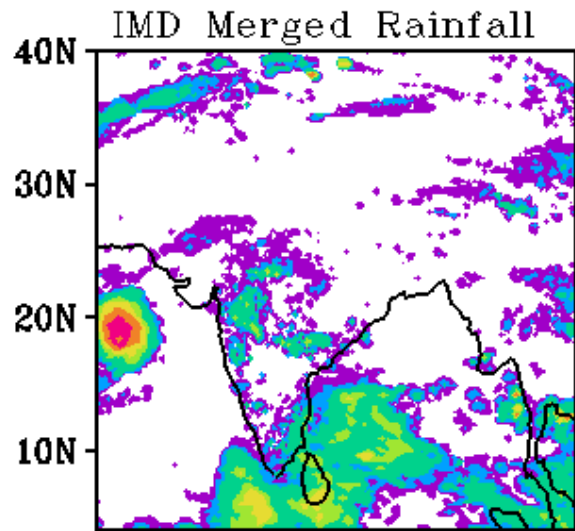
WRF Start Time  
00Z 27102019

Forecast Period  
03Z 28102019-03Z 29102019



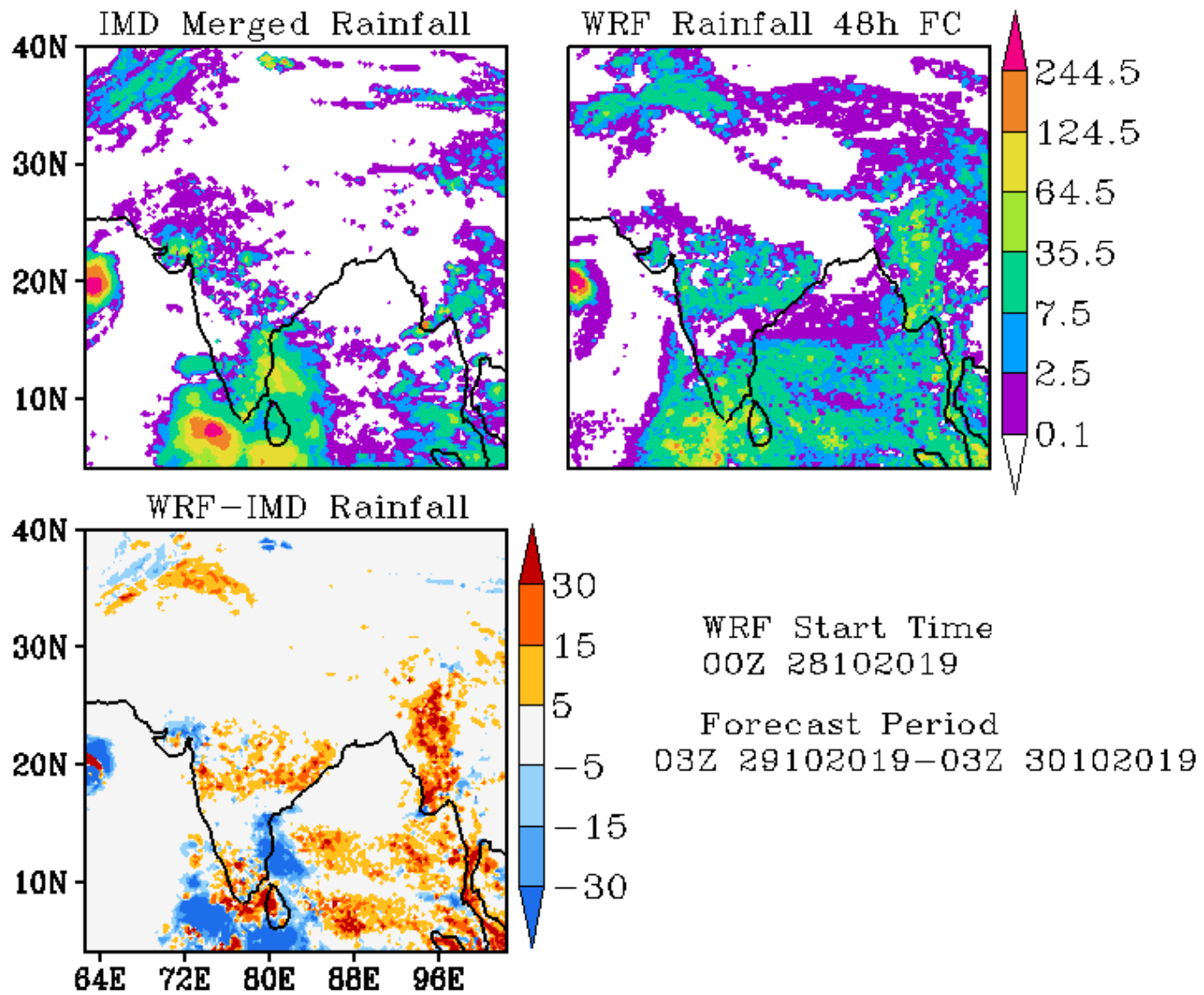
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 28-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

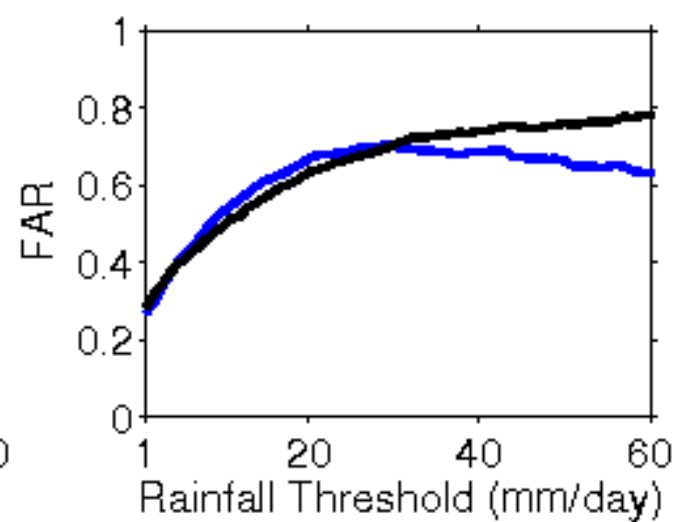
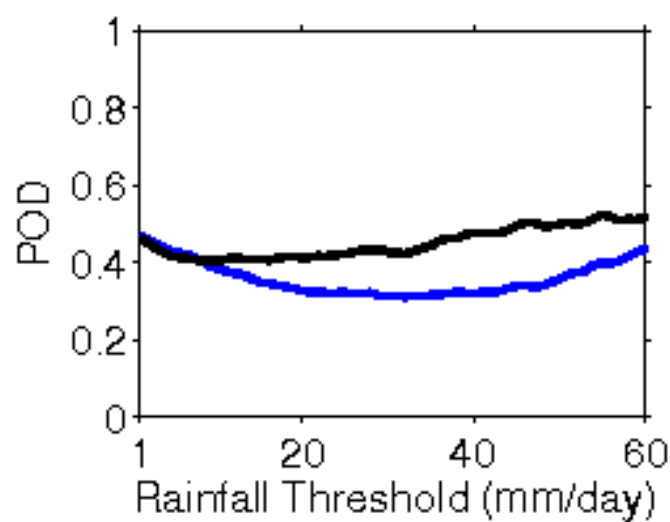
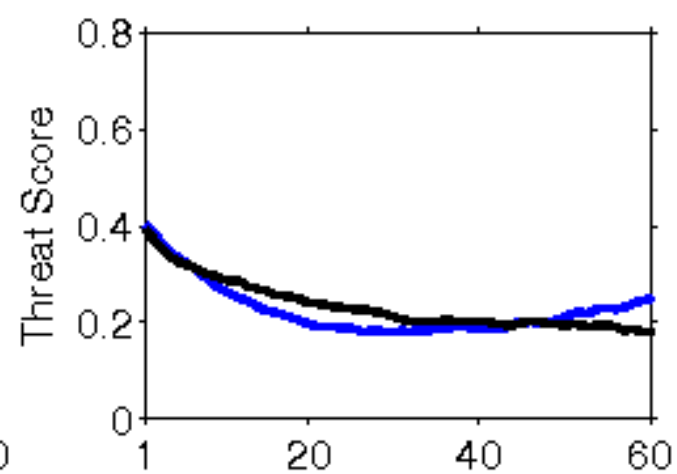
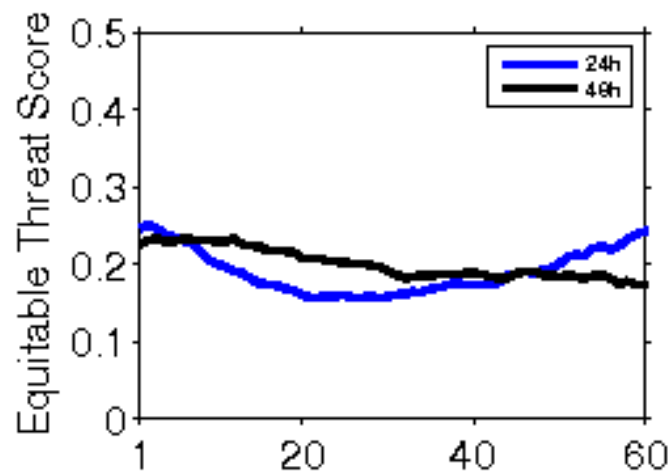
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
<b>24 Hour</b>	1.45(-0.22)	13.40(5.70)	1.86(0.45)
<b>48 Hour</b>	1.71(-0.09)	17.97(4.53)	2.35(0.78)
<b>72 Hour</b>	1.88(-0.03)	19.34(4.16)	2.91(0.61)



WRF Start Time  
00Z 28102019

Forecast Period  
03Z 28102019-03Z 29102019

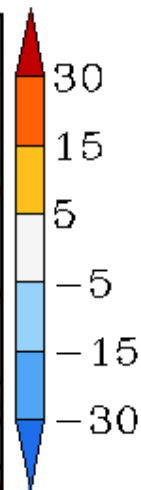
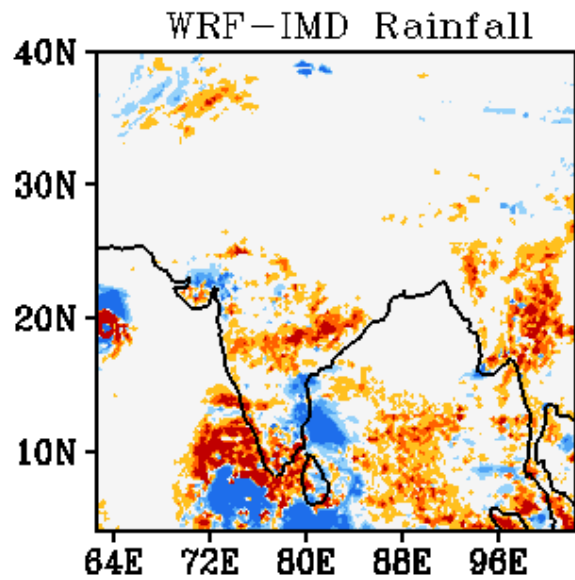
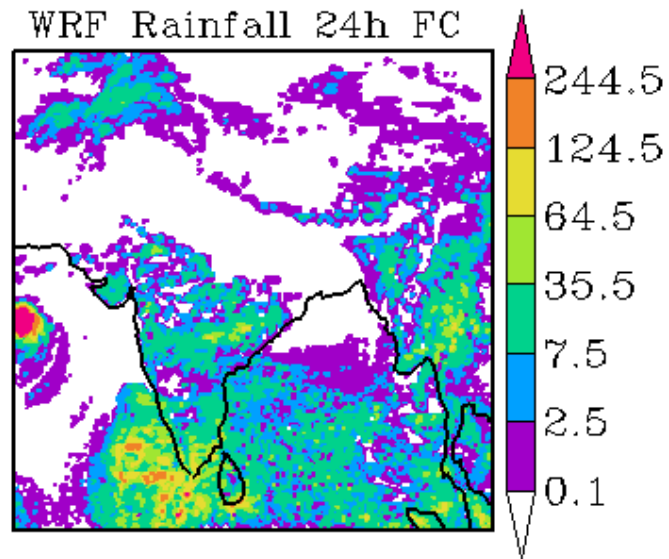
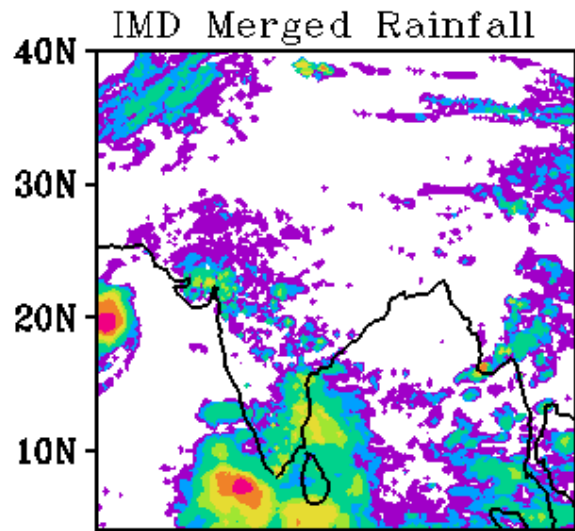






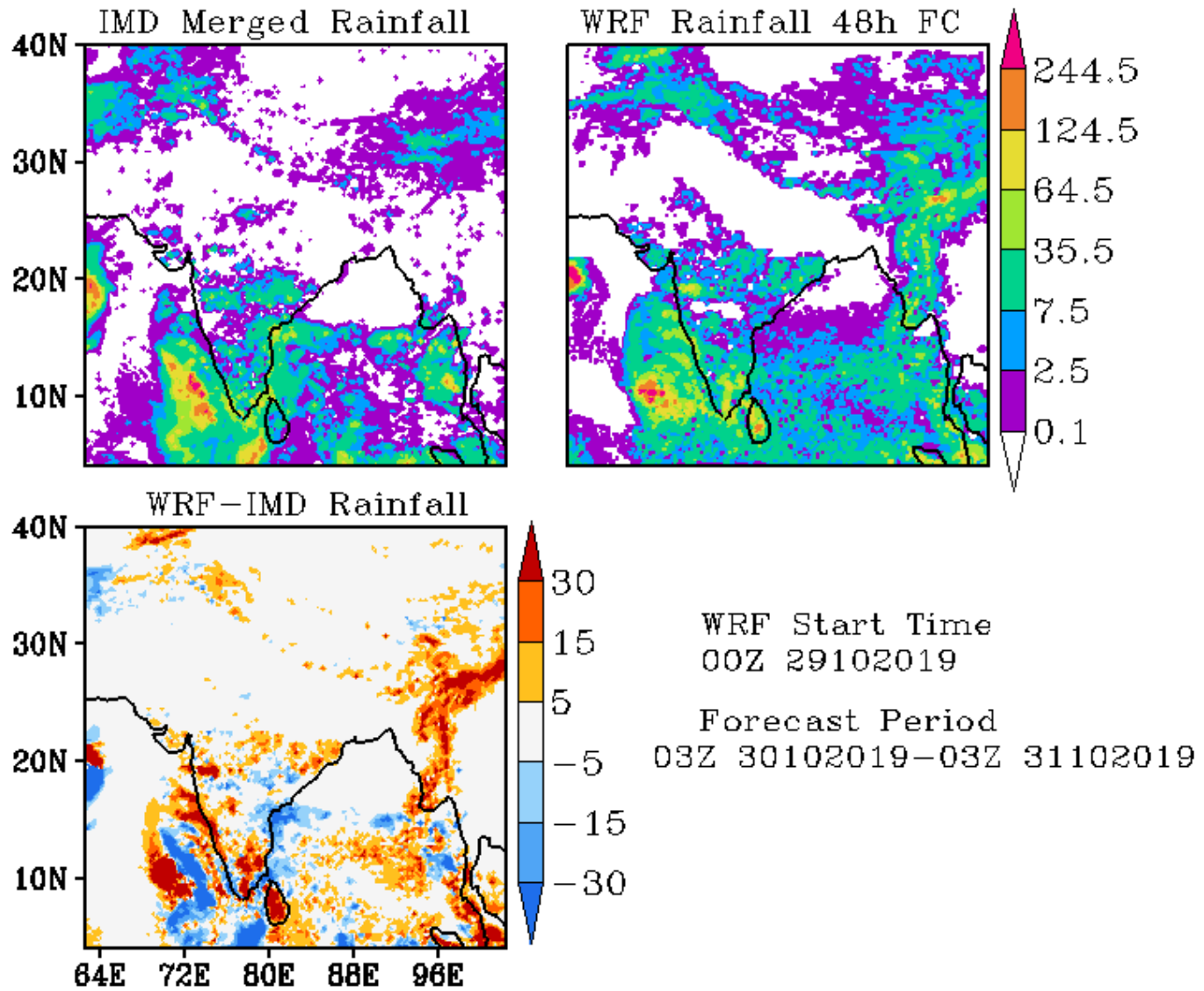
**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 29-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

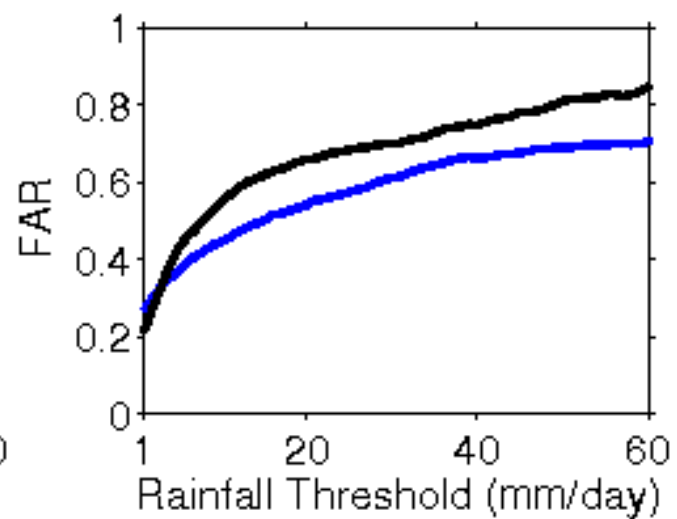
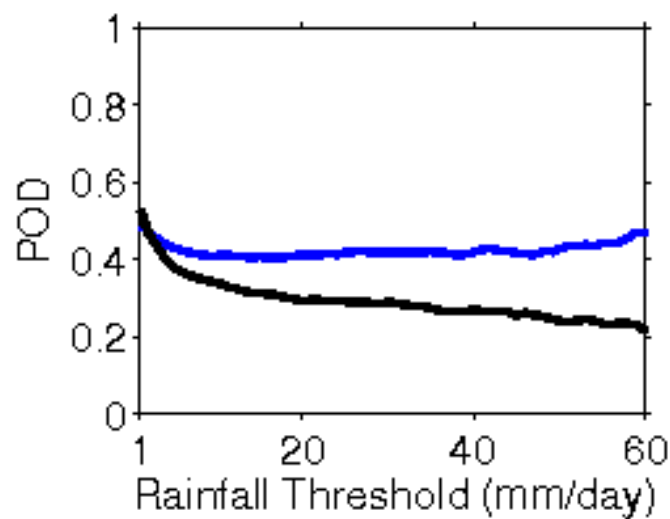
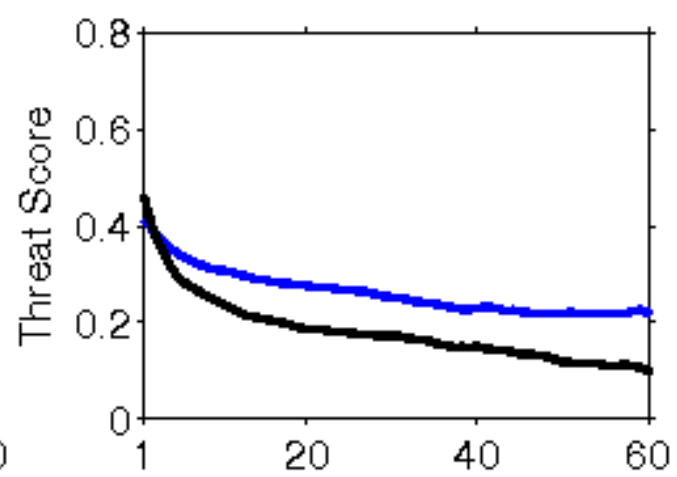
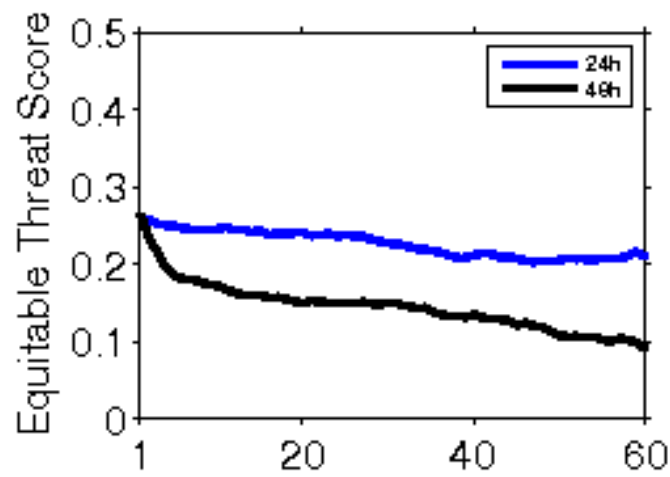
<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.44(-0.23)	14.71(6.99)	1.95(0.31)
<b>48 Hour</b>	1.59(0.00)	17.31(6.42)	2.52(0.62)
<b>72 Hour</b>	1.91(0.04)	20.10(5.68)	2.89(0.72)



WRF Start Time  
00Z 29102019

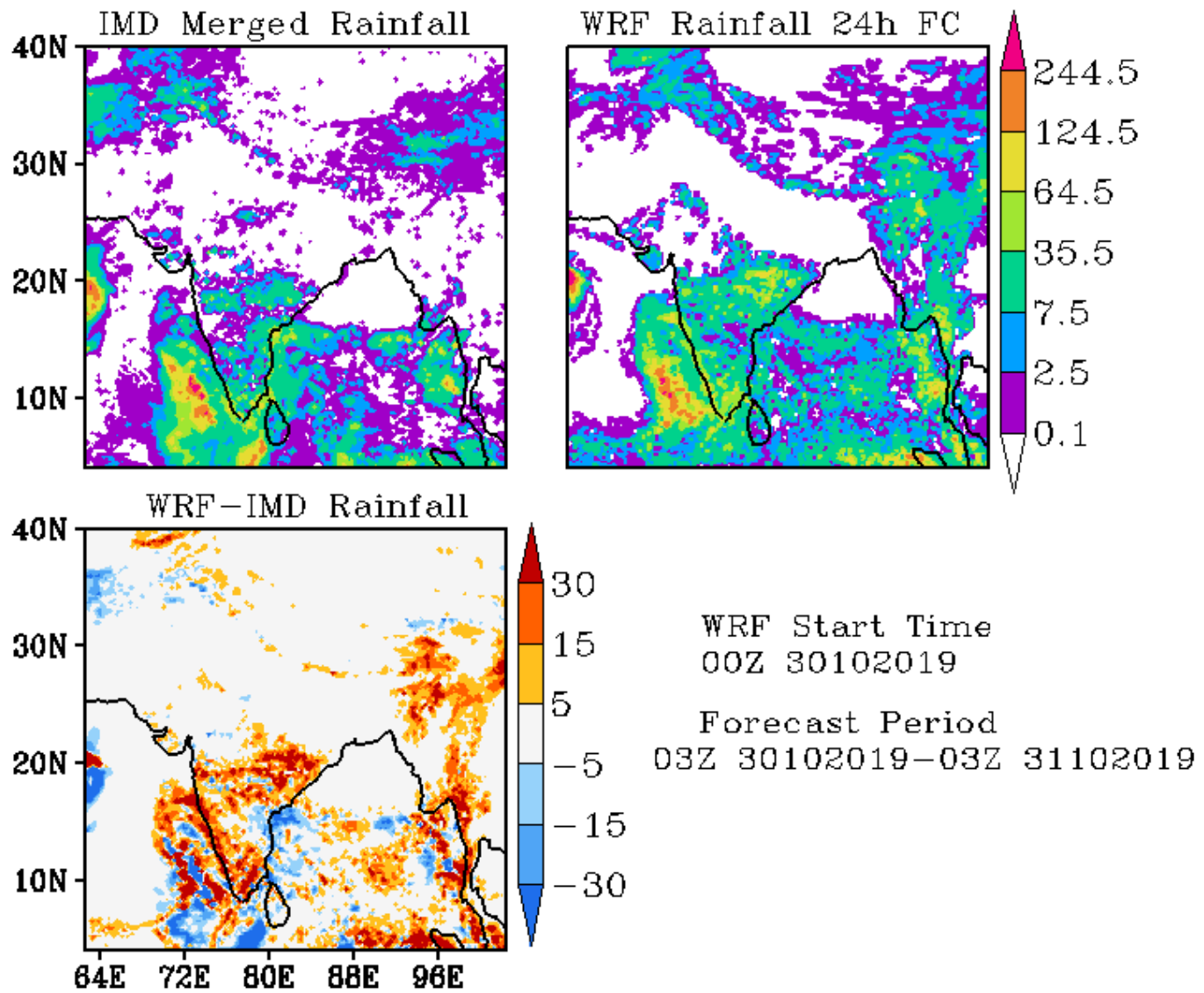
Forecast Period  
03Z 29102019-03Z 30102019

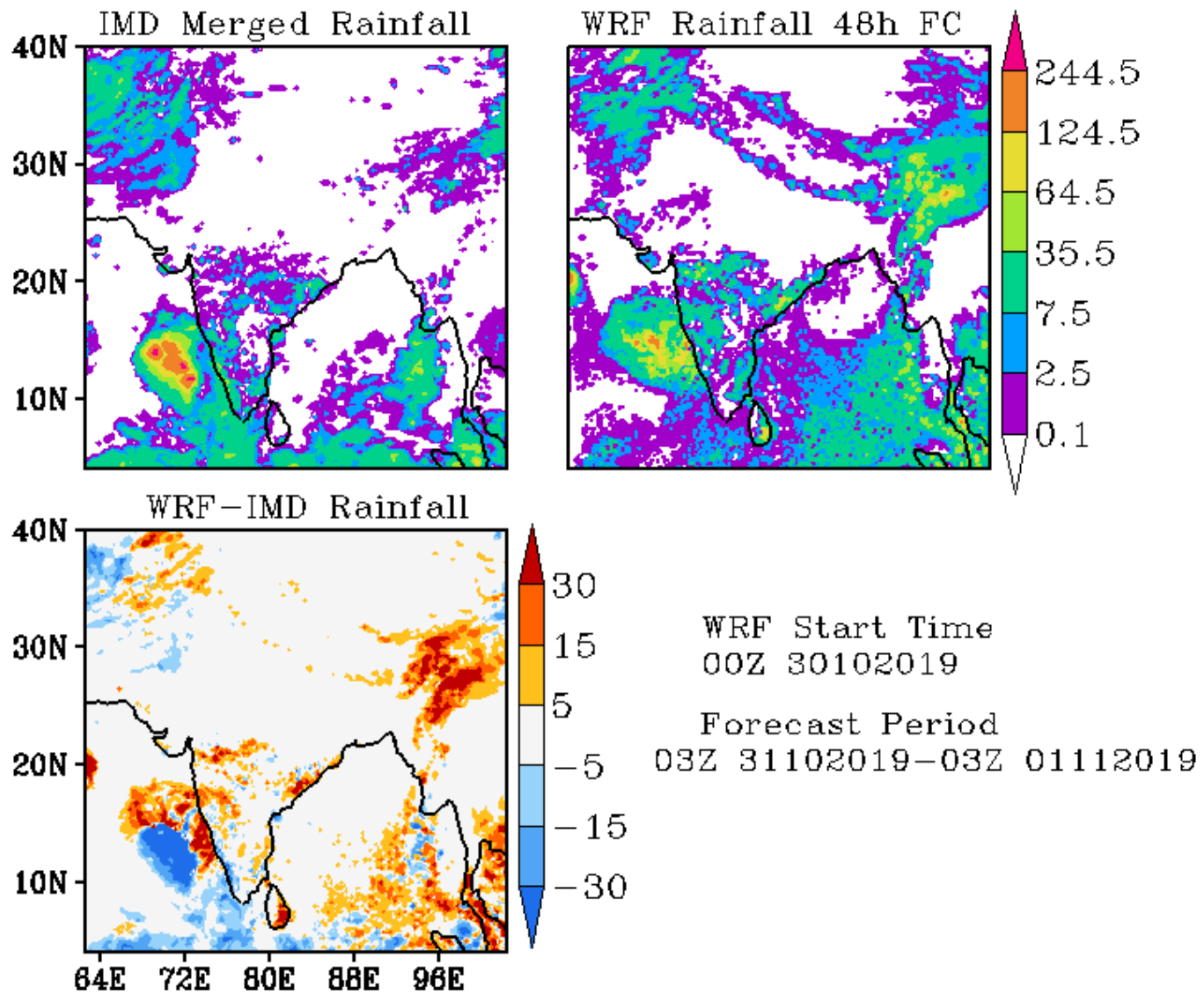


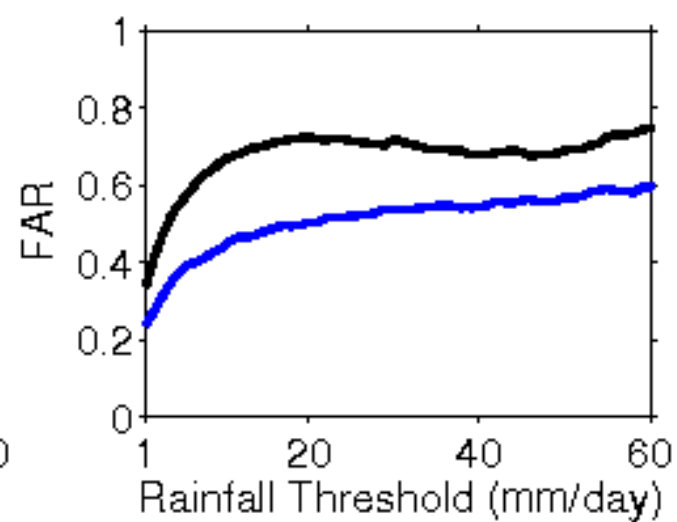
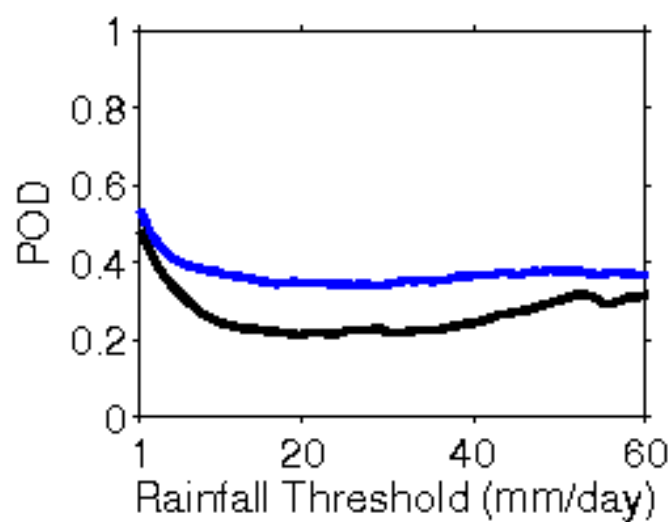
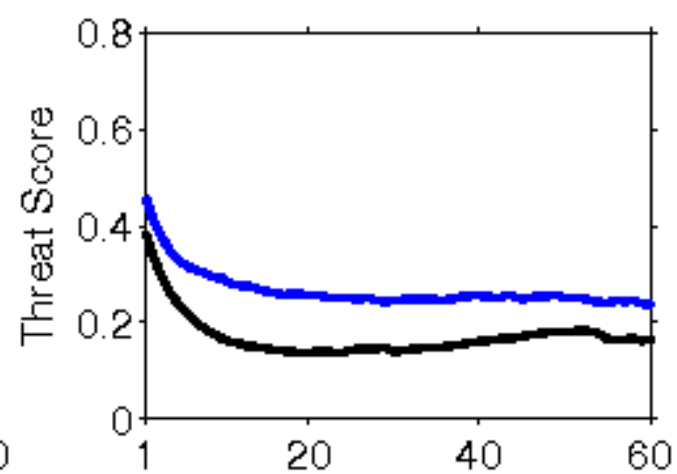
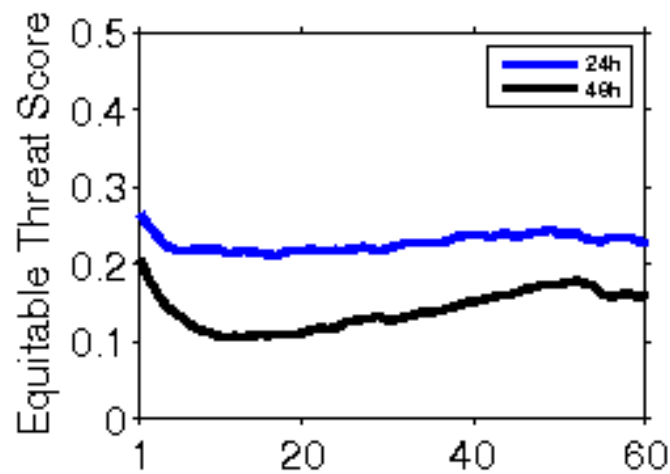


**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 30-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.44(-0.20)	14.10(6.49)	2.03(0.46)
<b>48 Hour</b>	1.79(-0.02)	17.47(6.03)	2.72(0.46)
<b>72 Hour</b>	1.97(0.04)	17.12(5.98)	2.97(0.51)



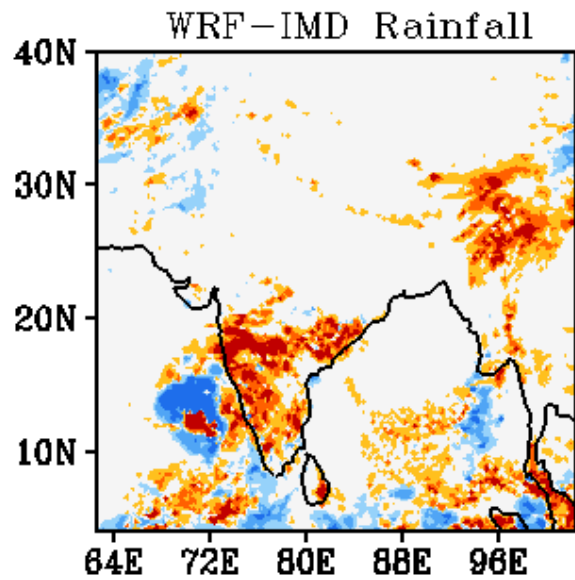
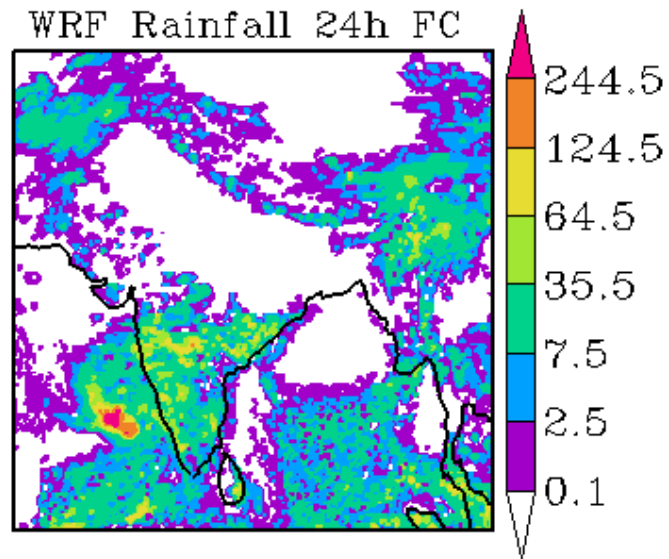
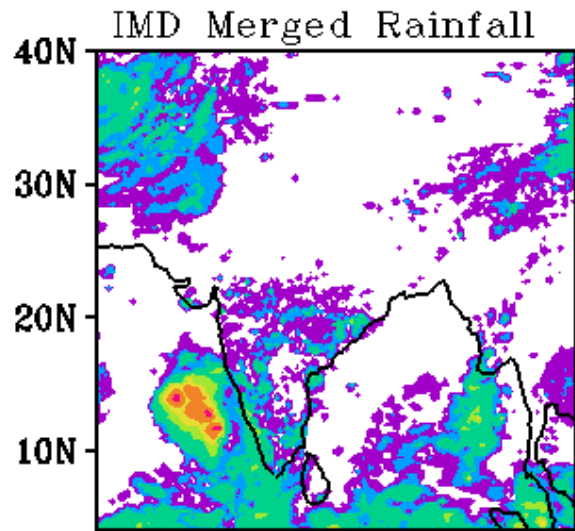






**Error Statistics in Surface Meteorological Parameter  
Validation Time 0000 UTC 31-10-19  
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

<b>Forecast Hour</b>	<b>Temperature (C)</b>	<b>Relative Humidity (%)</b>	<b>Wind Speed (m/s)</b>
	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>	<b>Rmsd (Bias)</b>
<b>24 Hour</b>	1.54(-0.25)	13.39(4.69)	2.13(1.00)
<b>48 Hour</b>	1.90(-0.24)	14.50(4.12)	2.76(0.58)
<b>72 Hour</b>	1.91(-0.02)	16.25(3.92)	3.19(0.40)



WRF Start Time  
00Z 31102019

Forecast Period  
03Z 31102019-03Z 01112019

