

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 13-11-21
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(-0.29)	13.21(3.49)	2.09(0.92)
48 Hour	2.25(-0.02)	14.37(2.73)	2.38(0.98)
72 Hour	2.44(-0.06)	17.14(2.42)	2.84(1.30)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 14-11-21
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(-0.24)	13.20(4.06)	2.13(0.96)
48 Hour	2.53(0.04)	16.09(3.13)	2.78(1.03)
72 Hour	2.44(0.15)	17.69(1.78)	2.93(1.12)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 15-11-21
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	2.02(-0.51)	13.47(4.75)	2.18(0.78)
48 Hour	2.42(-0.08)	18.55(4.51)	2.24(1.07)
72 Hour	2.57(-0.05)	17.44(3.58)	2.88(0.88)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 16-11-21
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	2.06(-0.49)	13.93(3.95)	1.88(0.81)
48 Hour	2.47(-0.25)	14.69(2.63)	2.57(0.84)
72 Hour	3.34(0.16)	17.37(3.79)	3.27(1.09)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 17-11-21
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	2.08(-0.10)	12.46(4.30)	2.19(0.56)
48 Hour	2.99(0.21)	14.49(3.48)	2.97(0.93)
72 Hour	2.87(0.24)	16.76(2.53)	2.91(0.87)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 18-11-21
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	1.95(-0.23)	13.01(5.86)	2.45(0.59)
48 Hour	2.32(0.15)	17.71(5.40)	2.72(0.86)
72 Hour	2.94(0.41)	20.30(4.85)	2.80(0.95)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 19-11-21
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(-0.63)	14.38(5.22)	2.27(0.85)
48 Hour	2.52(-0.33)	18.63(4.75)	2.31(0.85)
72 Hour	3.03(-0.08)	18.95(3.32)	2.61(0.76)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 20-11-21
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	1.84(-0.57)	15.62(4.02)	2.14(0.82)
48 Hour	2.16(-0.35)	18.47(3.45)	2.49(0.77)
72 Hour	2.61(-0.50)	20.24(2.73)	2.75(0.79)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 21-11-21
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(-0.33)	14.71(3.67)	1.81(0.54)
48 Hour	2.19(-0.26)	18.75(1.49)	2.53(0.77)
72 Hour	2.96(-0.18)	19.24(0.74)	3.46(0.52)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 22-11-21
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(-0.31)	14.16(4.53)	1.89(0.62)
48 Hour	2.44(-0.05)	16.55(4.47)	2.84(0.93)
72 Hour	2.83(-0.09)	20.15(2.78)	2.86(1.01)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 23-11-21
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	1.84(-0.40)	14.65(5.41)	1.78(0.90)
48 Hour	2.29(-0.24)	17.87(6.58)	2.74(1.39)
72 Hour	2.52(-0.45)	21.64(5.58)	2.97(1.67)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 24-11-21
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	2.13(-0.36)	14.65(5.50)	1.89(0.84)
48 Hour	2.31(0.01)	19.53(5.28)	2.32(1.14)
72 Hour	2.28(-0.38)	20.52(4.87)	2.14(1.13)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 25-11-21
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(-0.48)	15.98(5.58)	1.89(0.90)
48 Hour	2.18(-0.01)	18.68(5.90)	2.15(1.31)
72 Hour	2.26(0.29)	17.52(5.40)	2.36(1.63)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 26-11-21
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(-0.50)	14.85(3.80)	1.88(1.08)
48 Hour	2.23(-0.20)	15.32(3.51)	2.51(1.46)
72 Hour	2.05(0.14)	15.77(3.90)	2.84(1.35)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 27-11-21
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	2.02(-0.42)	14.01(5.78)	1.90(0.83)
48 Hour	2.03(-0.02)	16.09(5.81)	2.36(1.14)
72 Hour	2.14(0.16)	15.95(4.75)	2.31(1.23)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 28-11-21
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

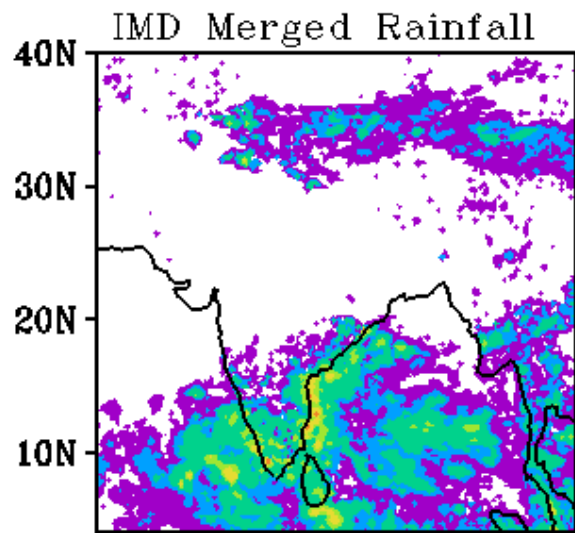
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.90(-0.62)	14.60(5.74)	1.93(0.87)
48 Hour	2.23(-0.30)	15.16(5.46)	2.08(0.93)
72 Hour	2.15(-0.02)	16.77(5.16)	2.60(1.03)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 29-11-21
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

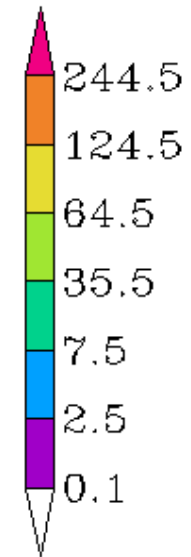
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.93(-0.49)	13.93(5.17)	1.86(0.77)
48 Hour	2.19(-0.19)	15.35(4.54)	2.39(0.87)
72 Hour	2.37(0.03)	16.03(5.30)	3.33(1.03)

**Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 30-11-21
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km**

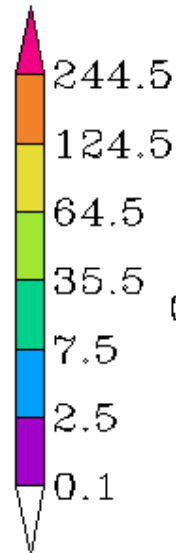
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.93(-0.42)	14.03(6.27)	2.12(0.99)
48 Hour	2.08(-0.19)	15.36(5.59)	3.22(1.15)
72 Hour	2.38(-0.14)	17.79(5.42)	3.55(1.33)



WRF Rainfall 24h FC



WRF-IMD Rainfall

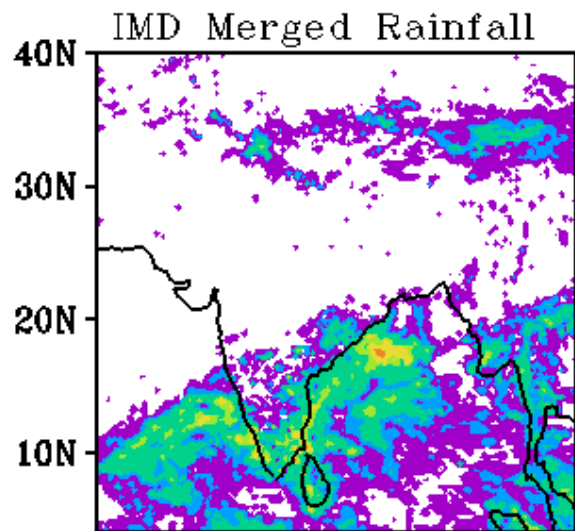


WRF Start Time

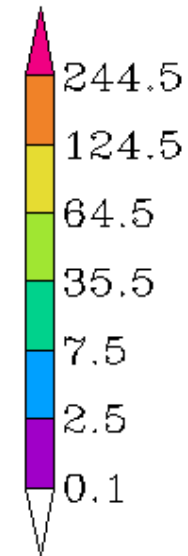
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Forecast Period

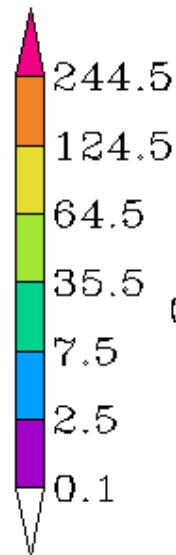
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WRF Rainfall 48h FC



WRF-IMD Rainfall

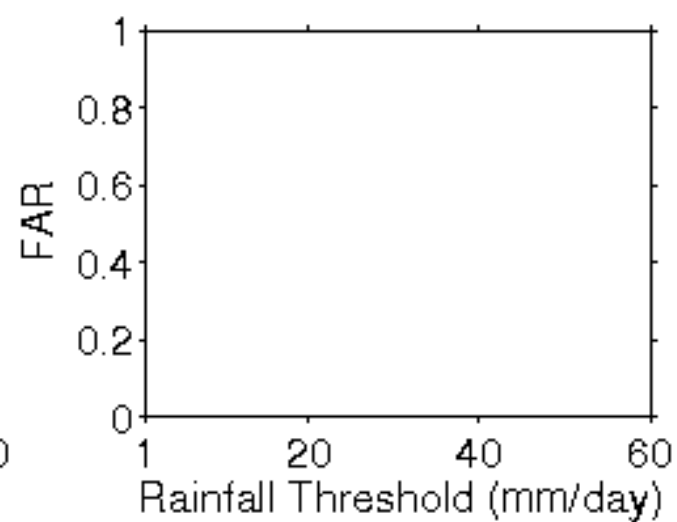
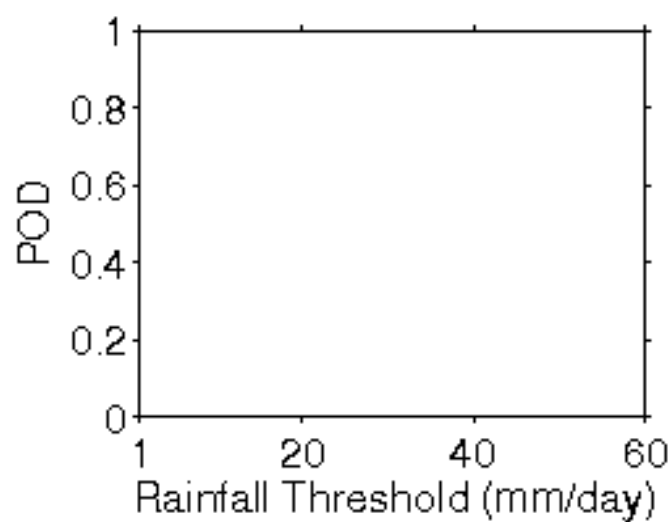
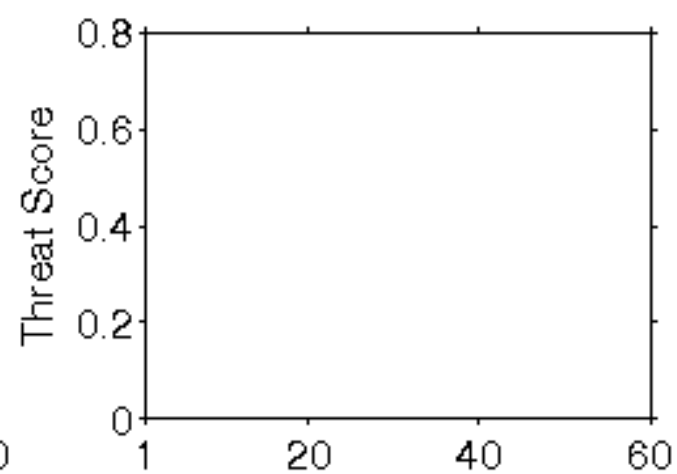
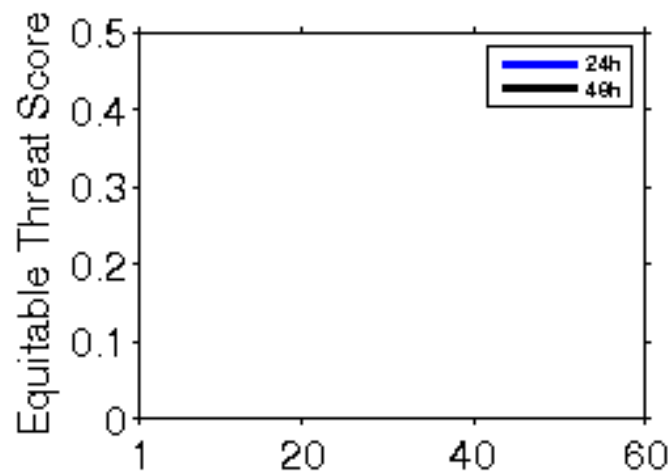


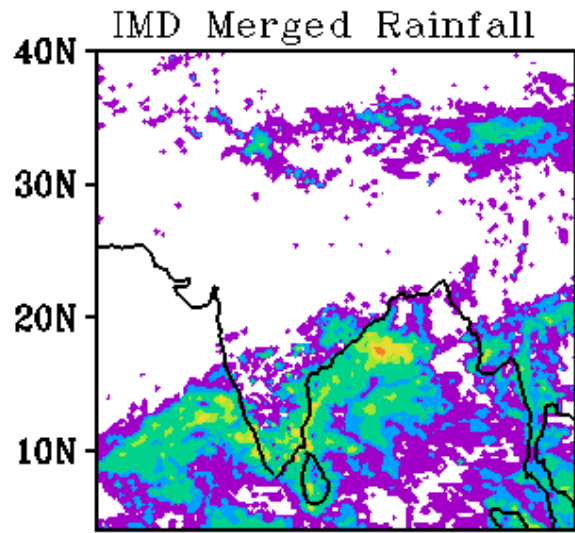
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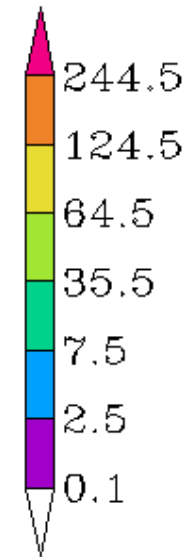
Forecast Period

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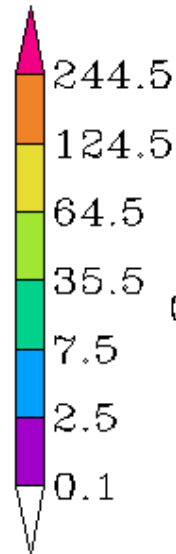




WRF Rainfall 24h FC



WRF-IMD Rainfall

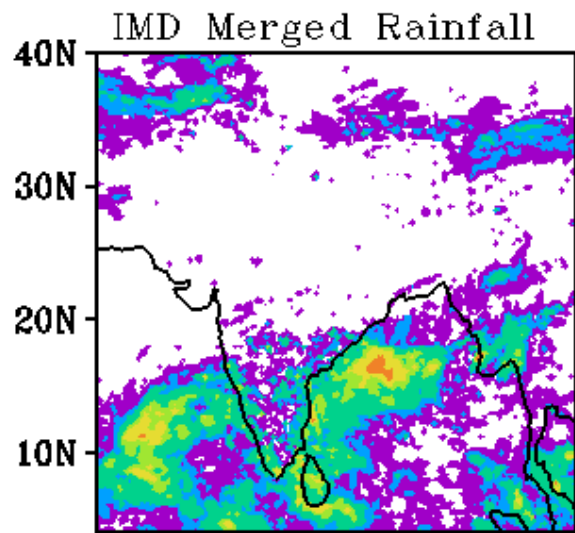


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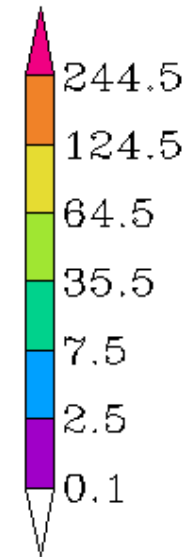
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Forecast Period

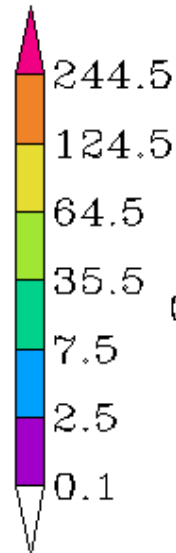
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WRF Rainfall 48h FC



WRF-IMD Rainfall

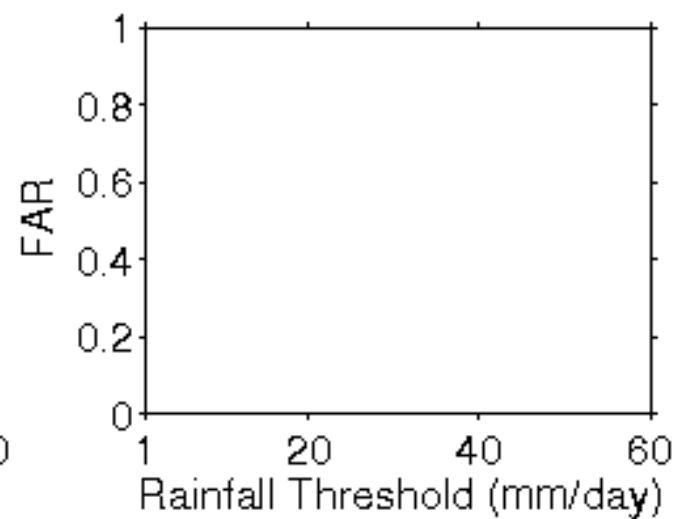
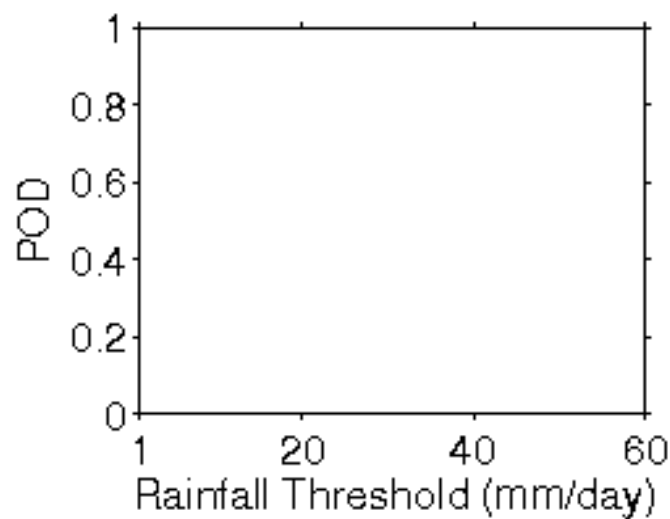
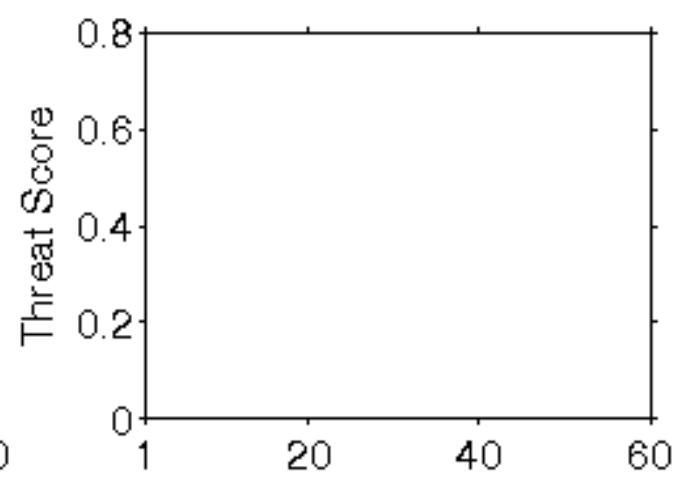
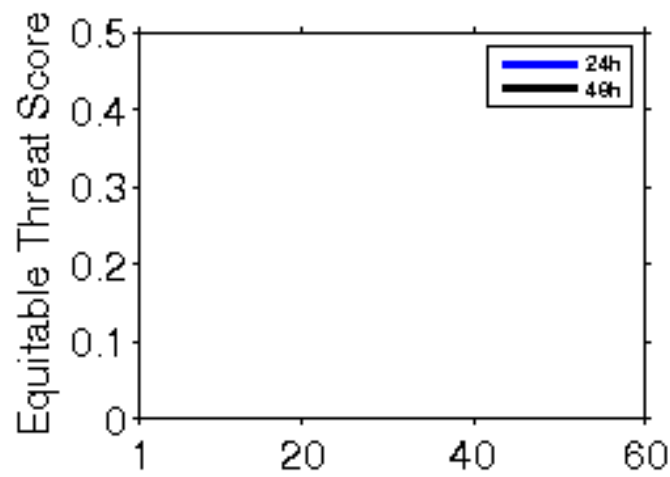


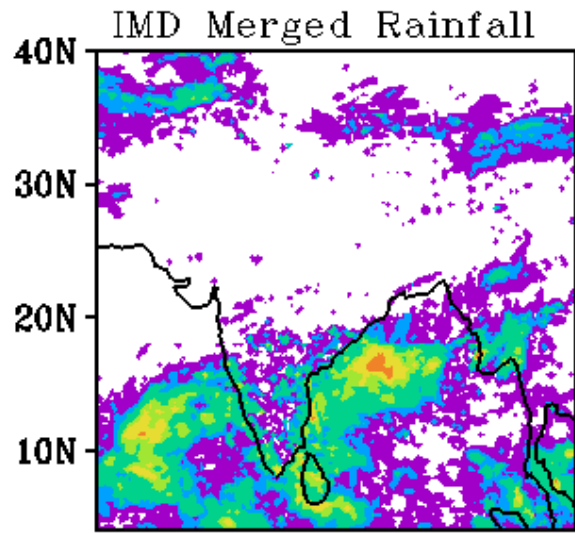
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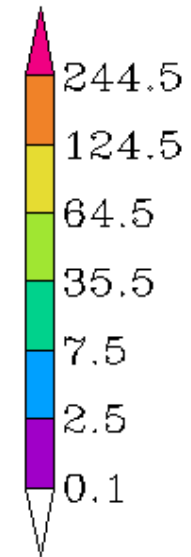
Forecast Period

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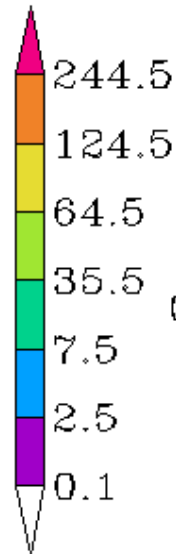




WRF Rainfall 24h FC



WRF-IMD Rainfall

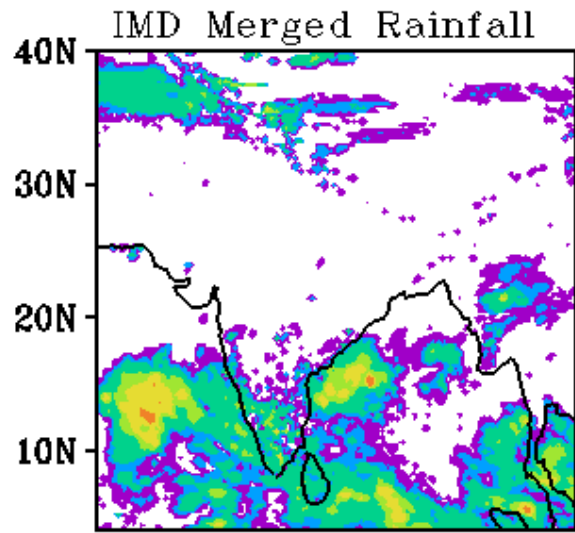


WRF Start Time

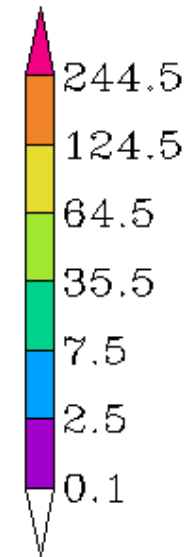
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Forecast Period

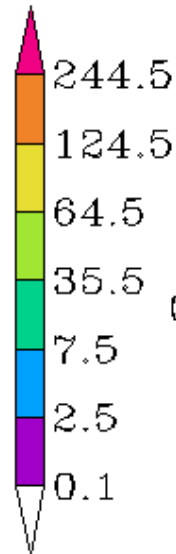
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WRF Rainfall 48h FC



WRF-IMD Rainfall

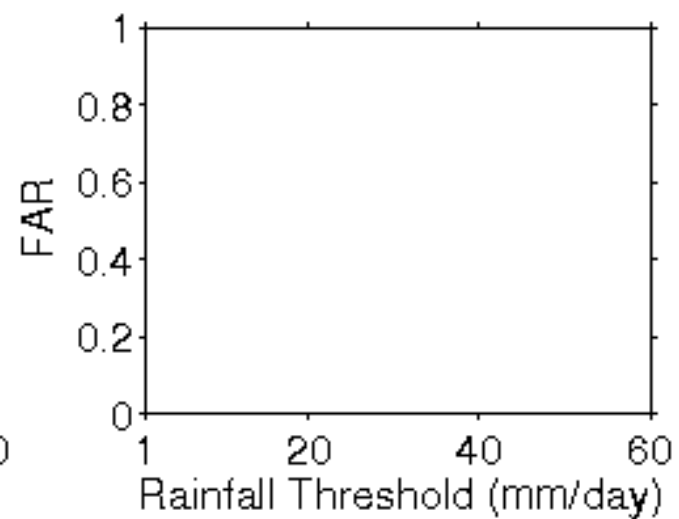
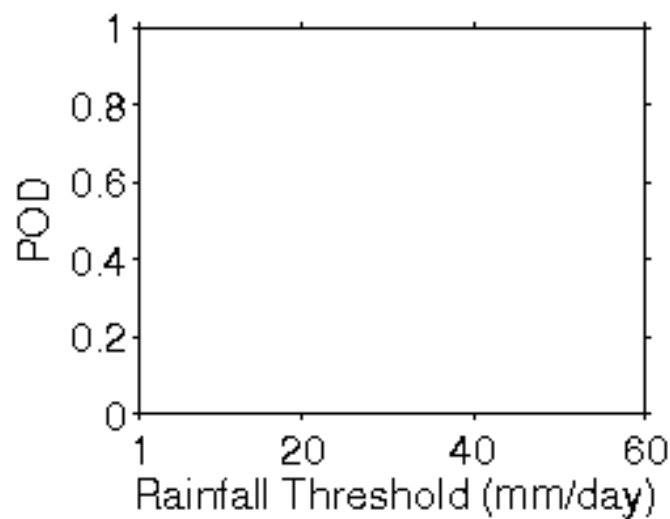
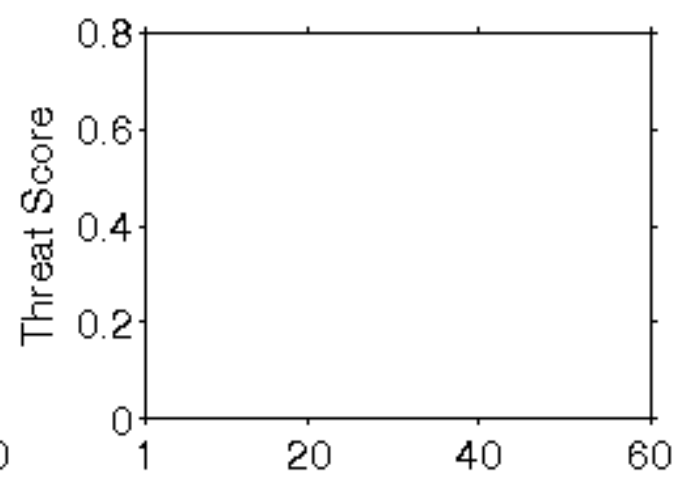
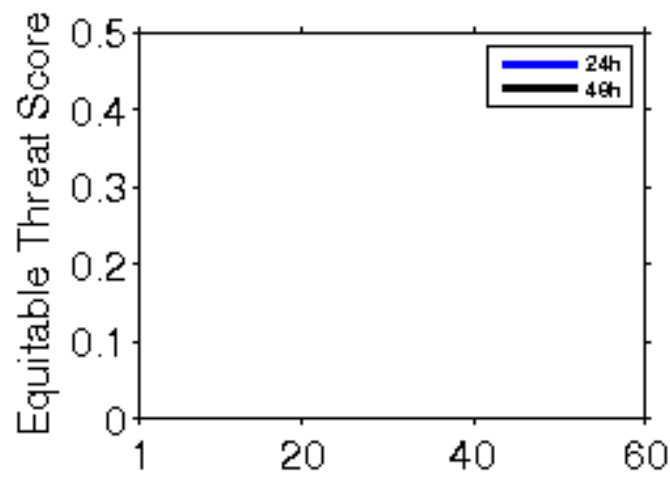


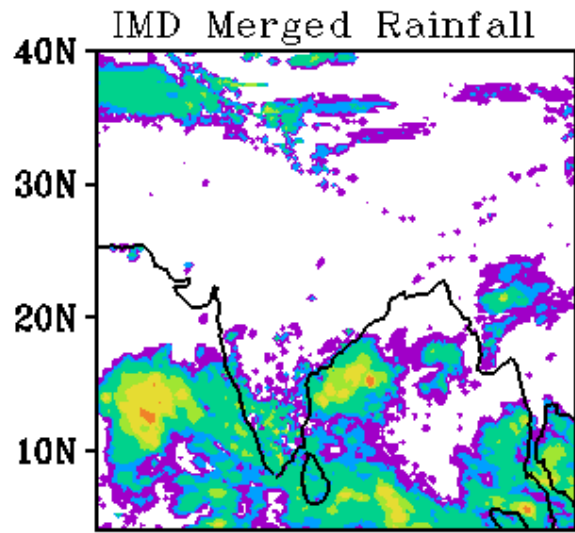
WRF Start Time

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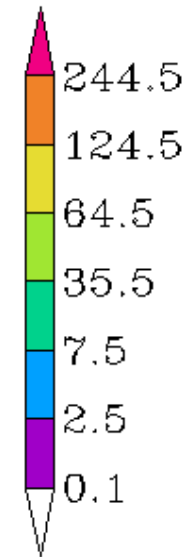
Forecast Period

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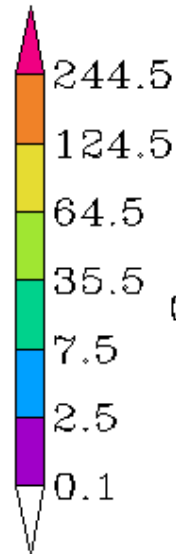




WRF Rainfall 24h FC



WRF-IMD Rainfall

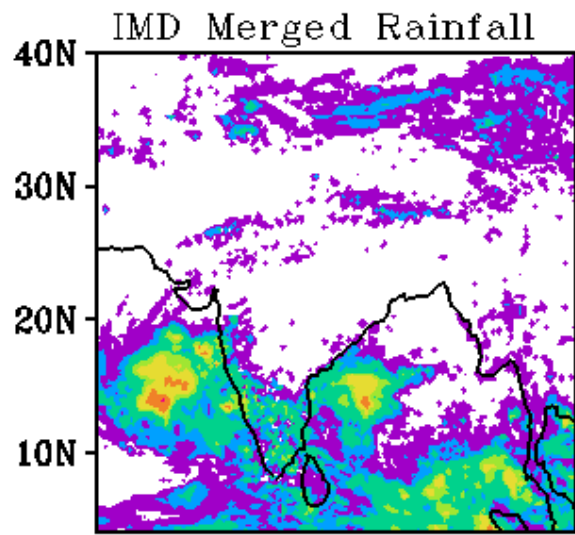


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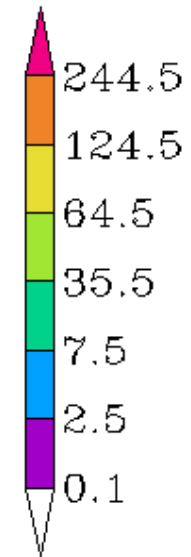
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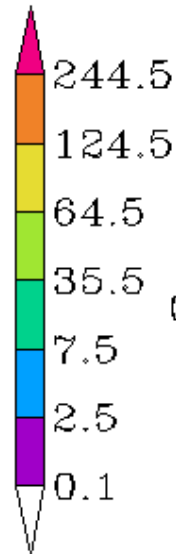
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WRF Rainfall 48h FC



WRF-IMD Rainfall

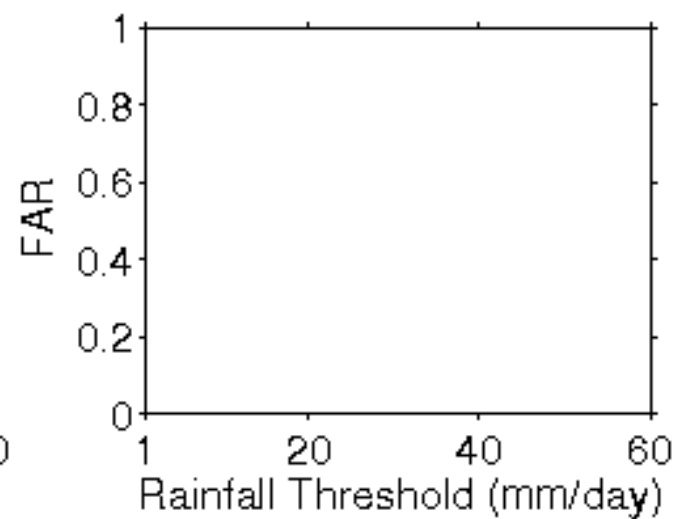
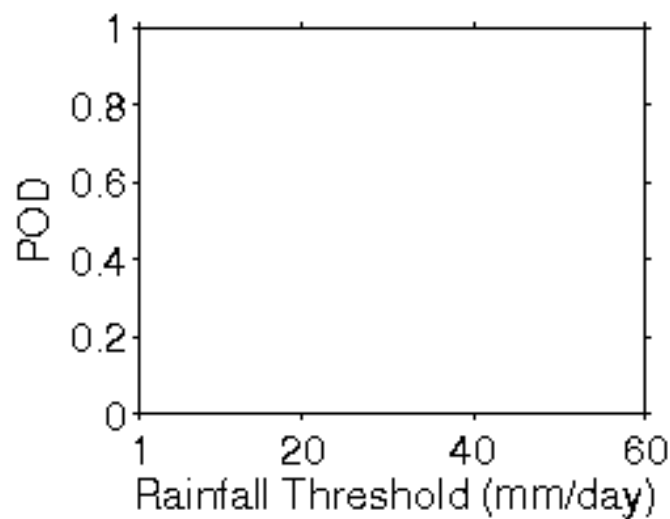
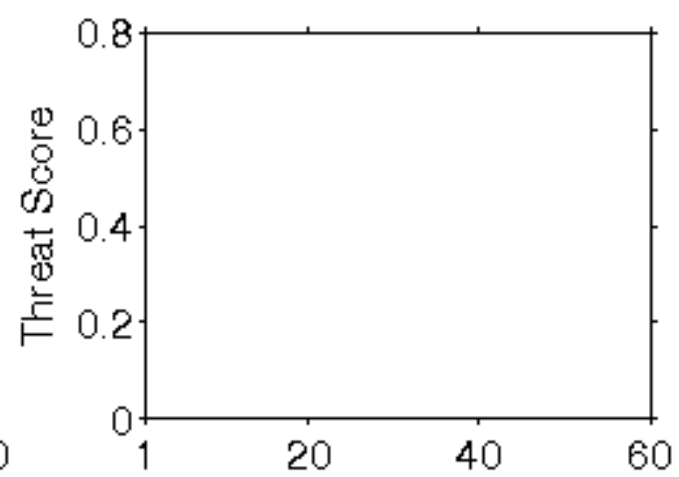
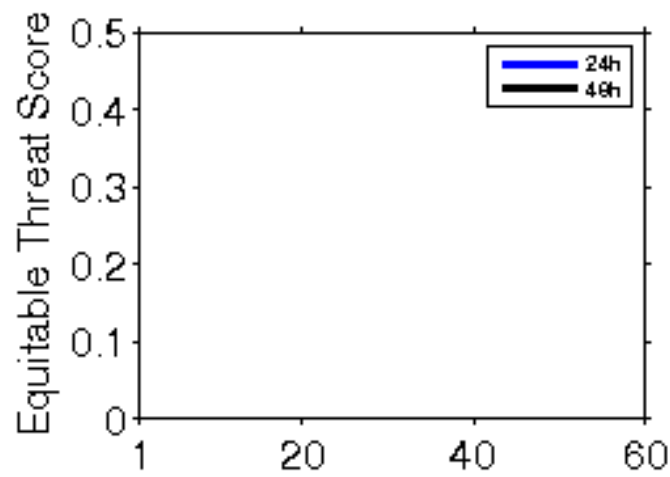


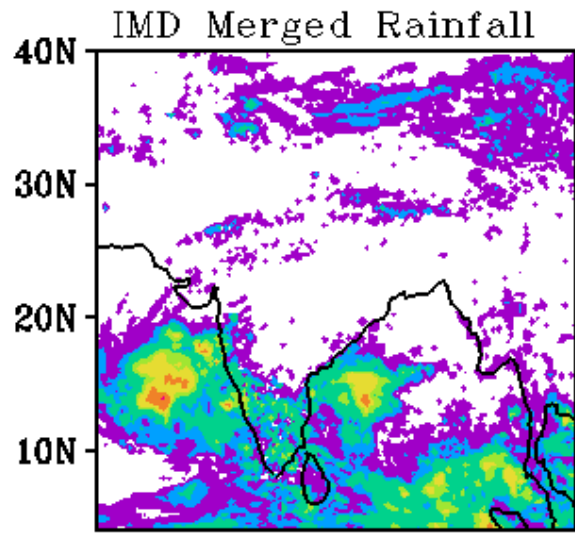
WRF Start Time

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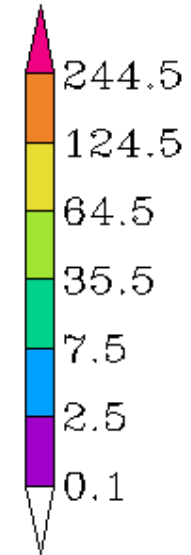
Forecast Period

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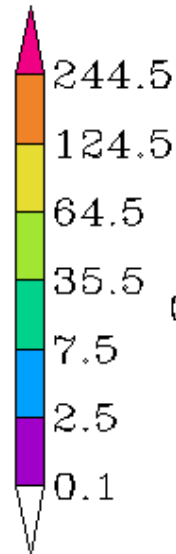




WRF Rainfall 24h FC



WRF-IMD Rainfall

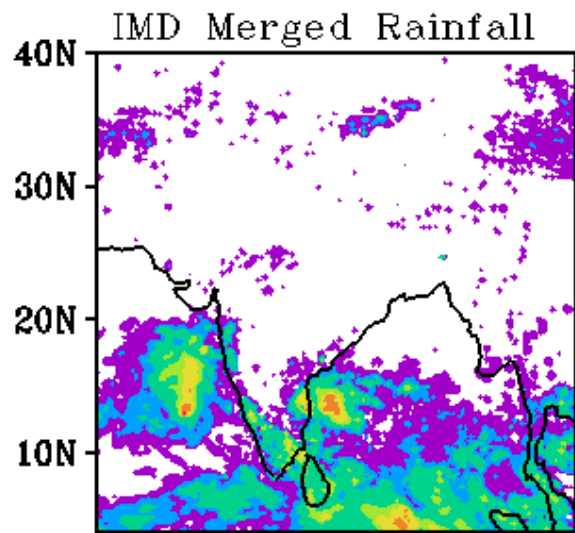


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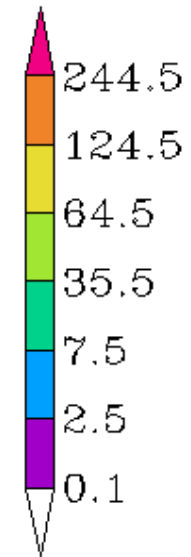
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Forecast Period

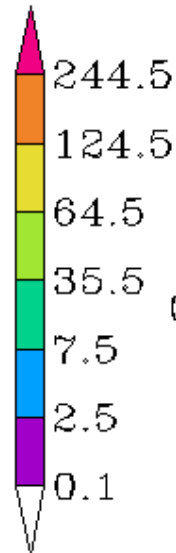
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WRF Rainfall 48h FC



WRF-IMD Rainfall

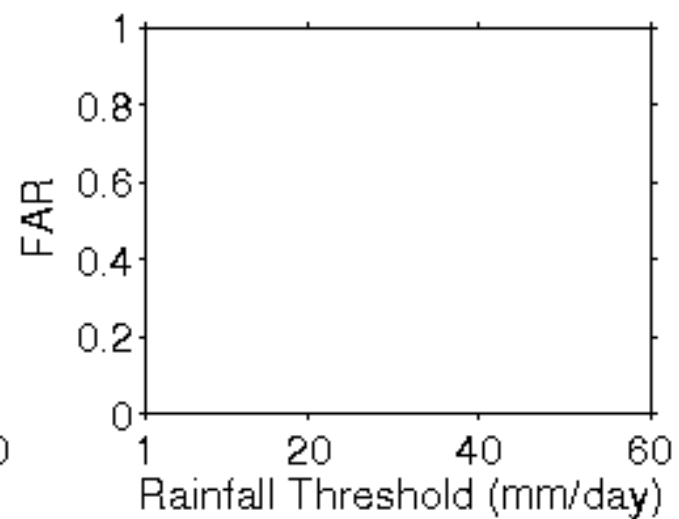
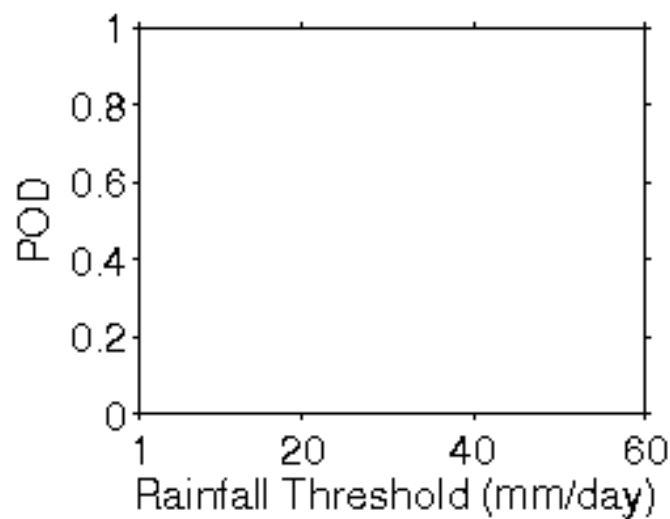
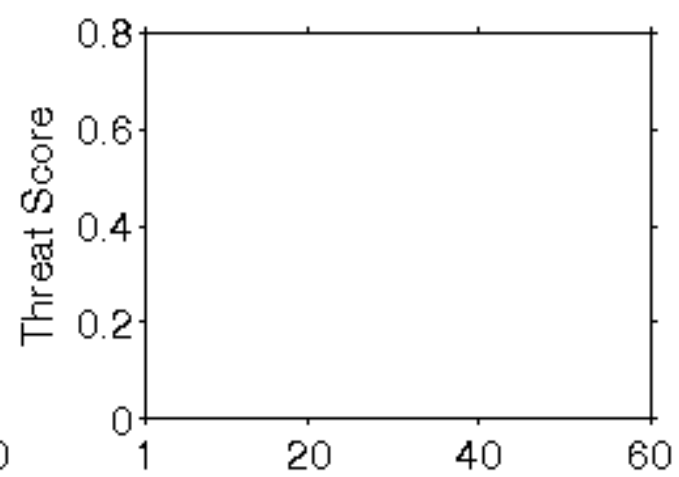
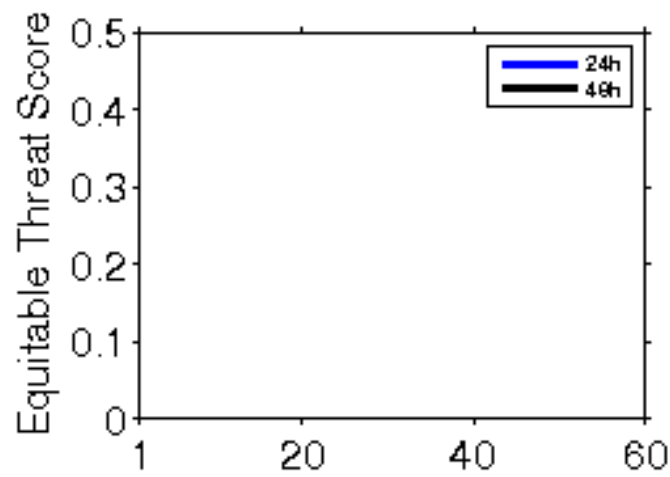


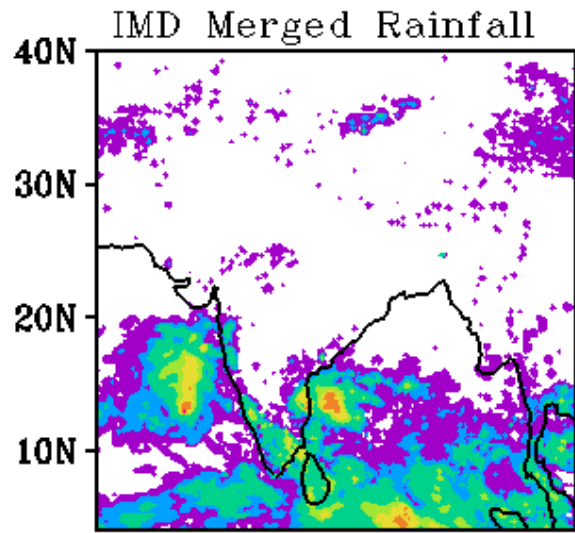
WRF Start Time

00Z 05112021

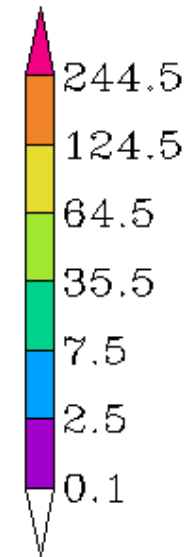
Forecast Period

03Z 06112021-03Z 07112021

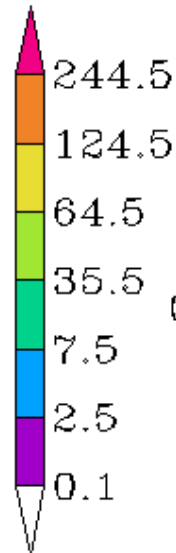




WRF Rainfall 24h FC



WRF-IMD Rainfall

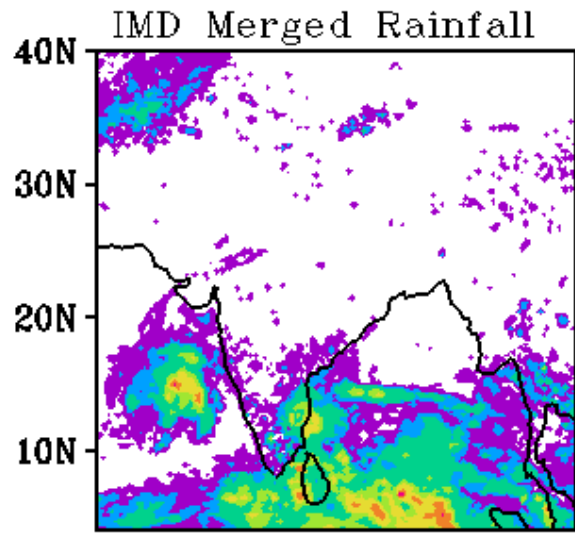


WRF Start Time

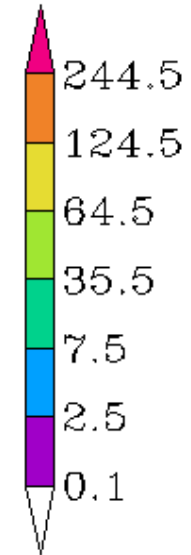
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Forecast Period

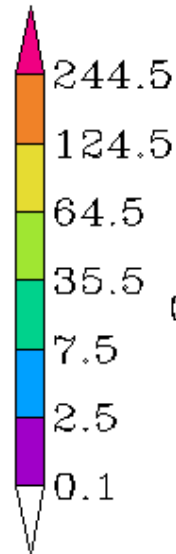
03Z 06112021-03Z 07112021



WRF Rainfall 48h FC



WRF-IMD Rainfall

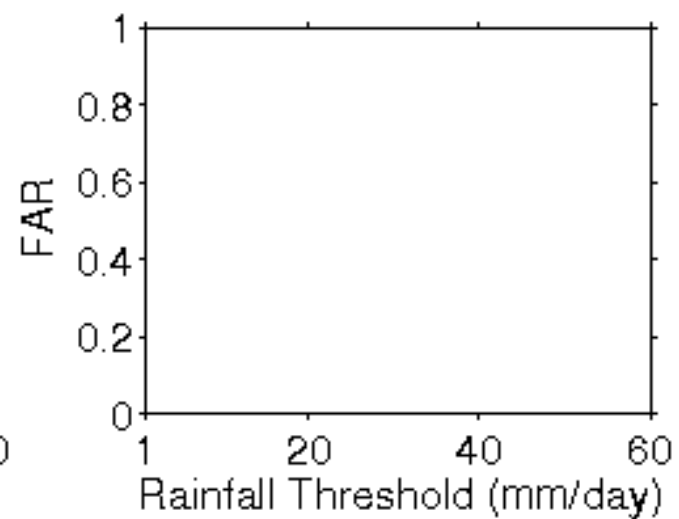
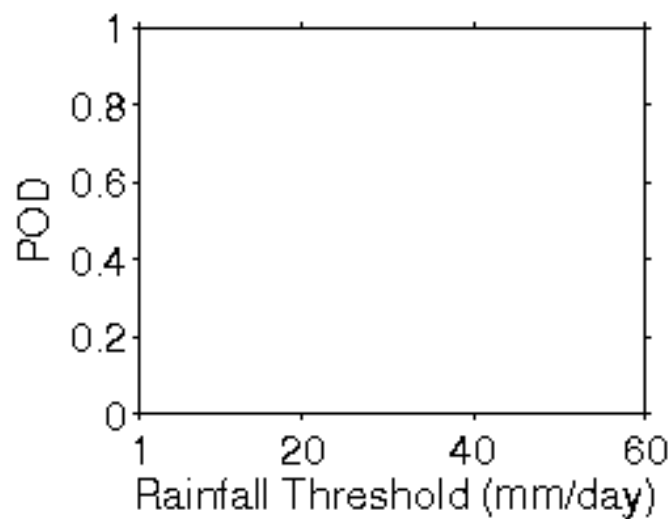
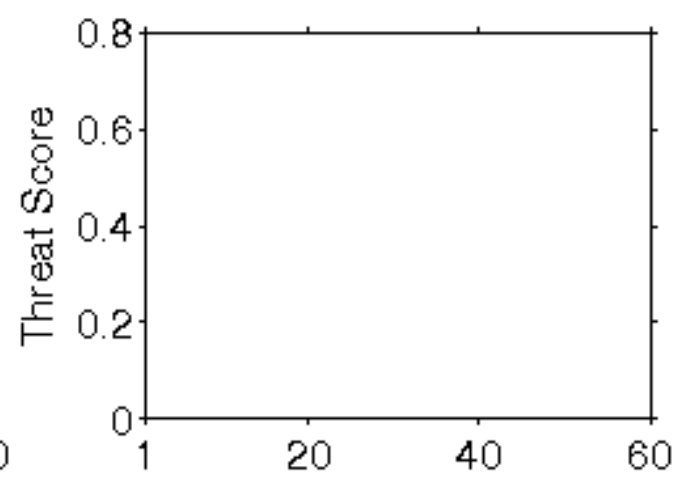
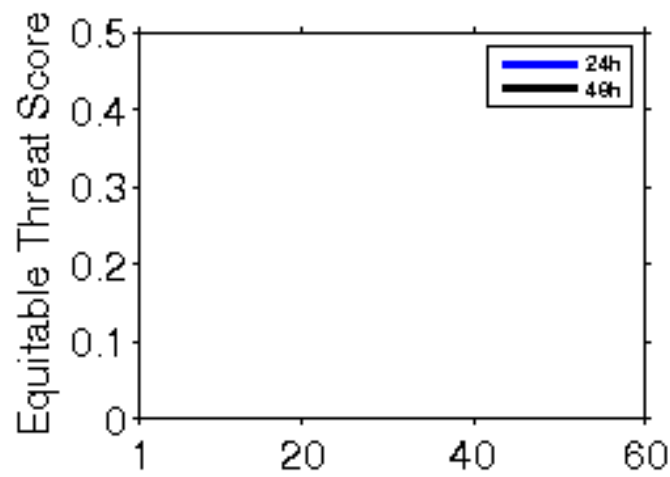


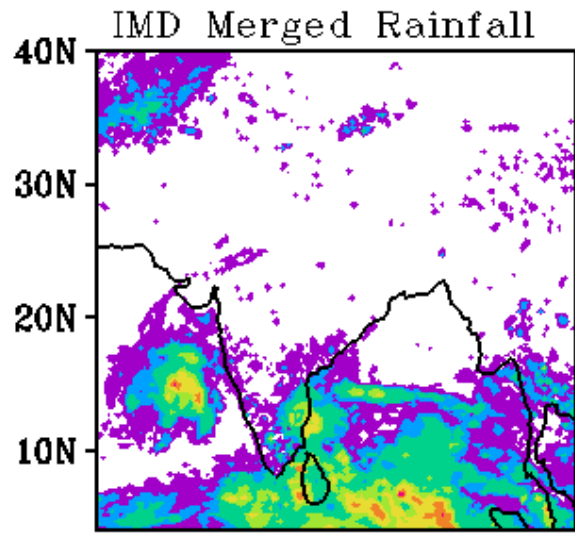
WRF Start Time

00Z 06112021

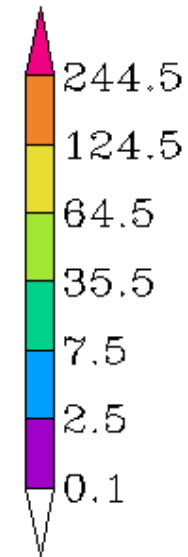
Forecast Period

03Z 07112021-03Z 08112021

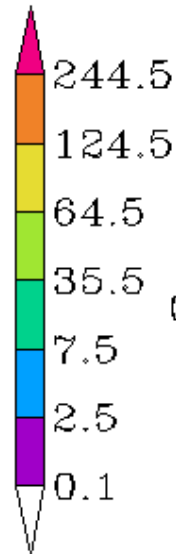




WRF Rainfall 24h FC



WRF-IMD Rainfall

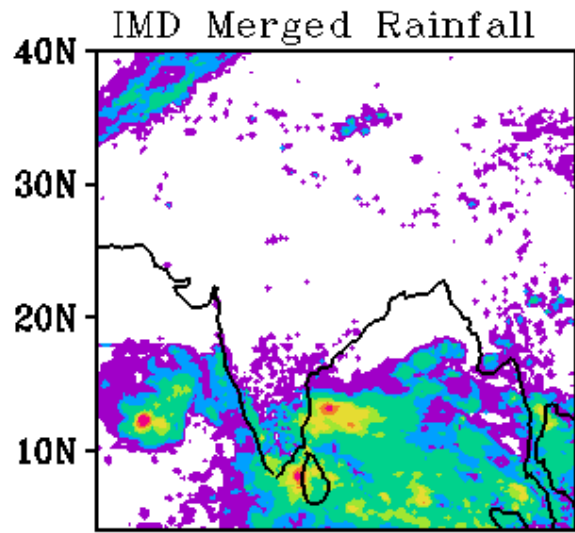


WRF Start Time

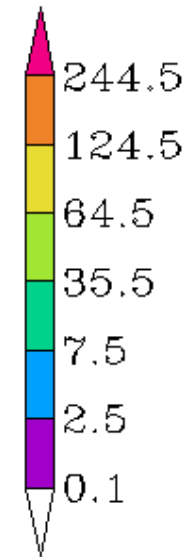
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Forecast Period

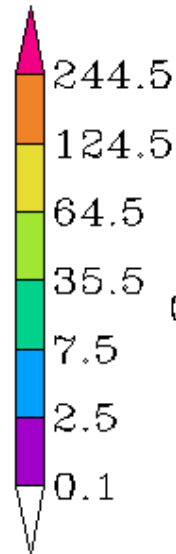
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WRF Rainfall 48h FC



WRF-IMD Rainfall

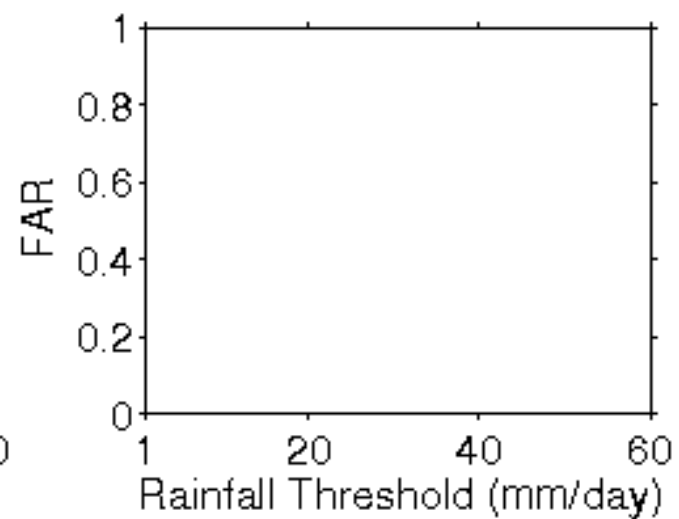
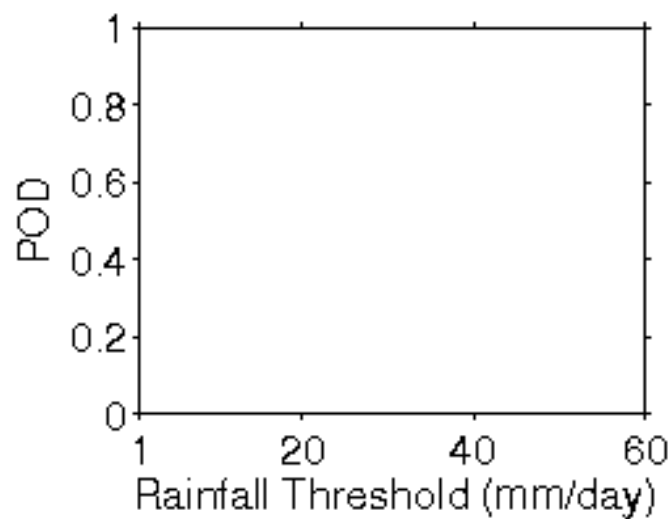
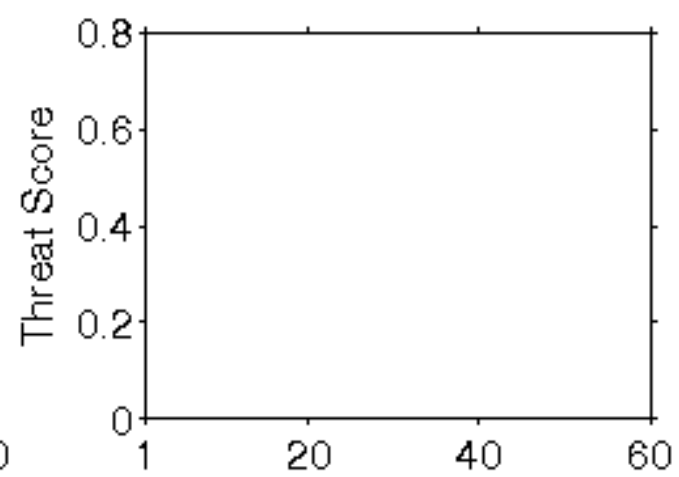
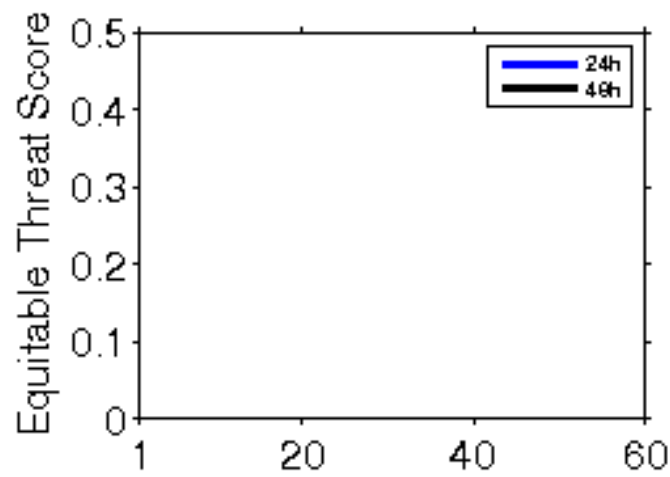


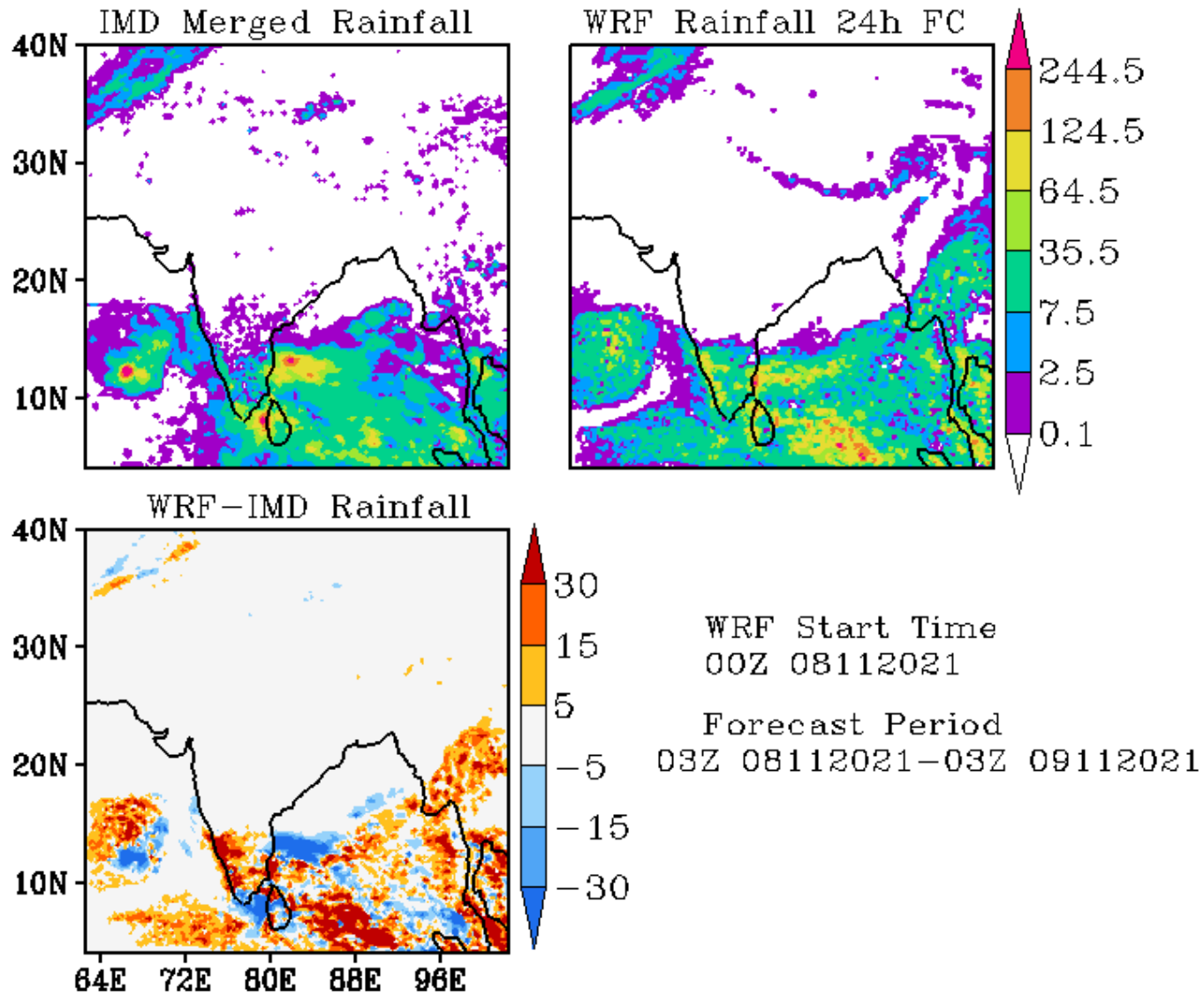
WRF Start Time

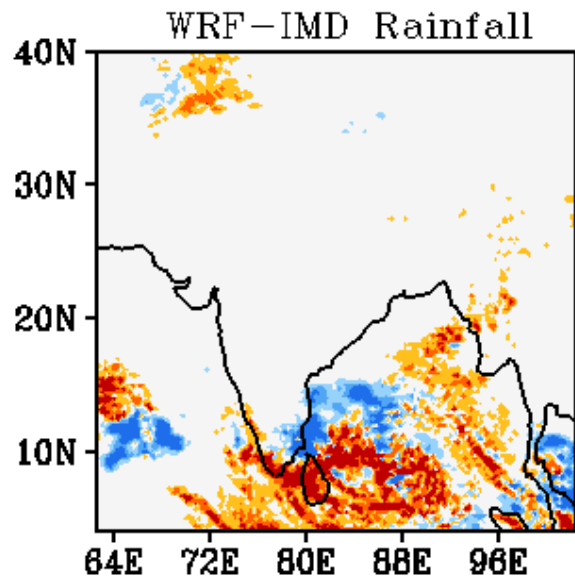
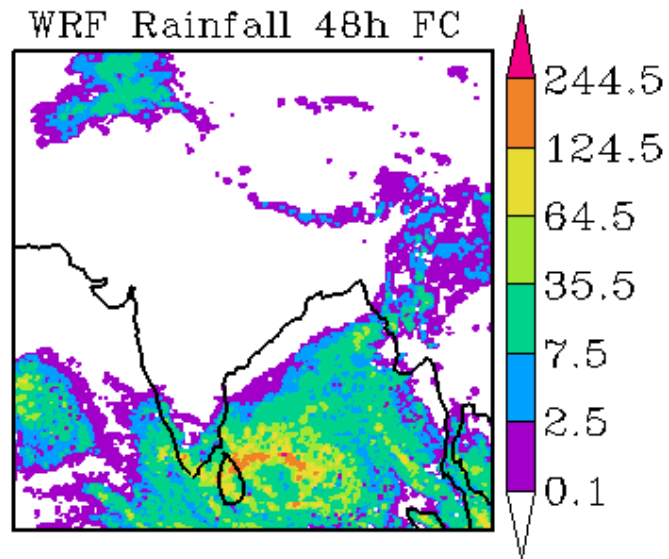
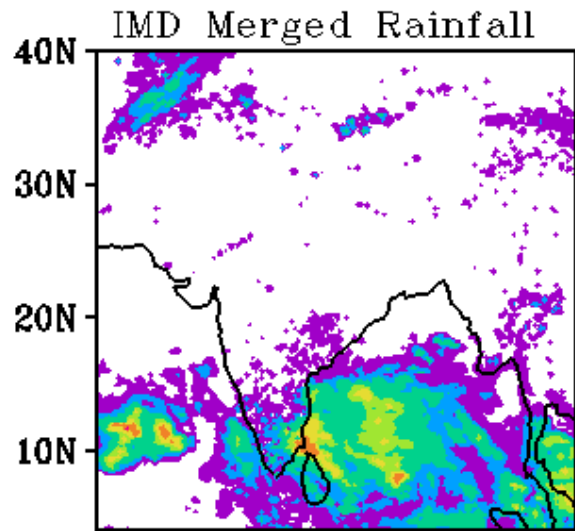
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Forecast Period

03Z 08112021-03Z 09112021

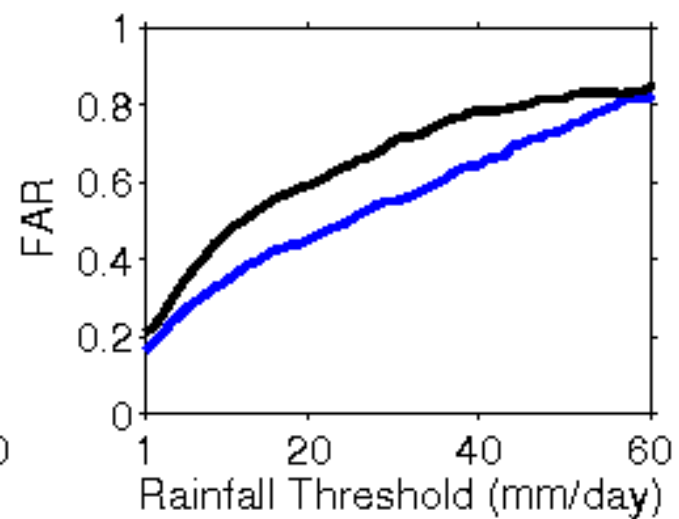
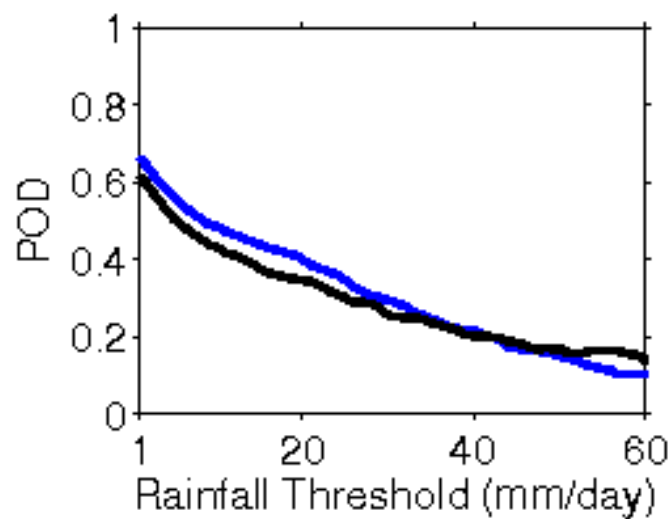
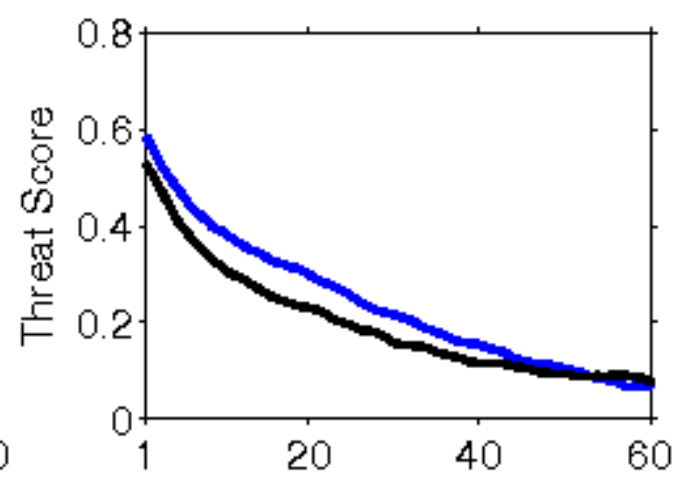
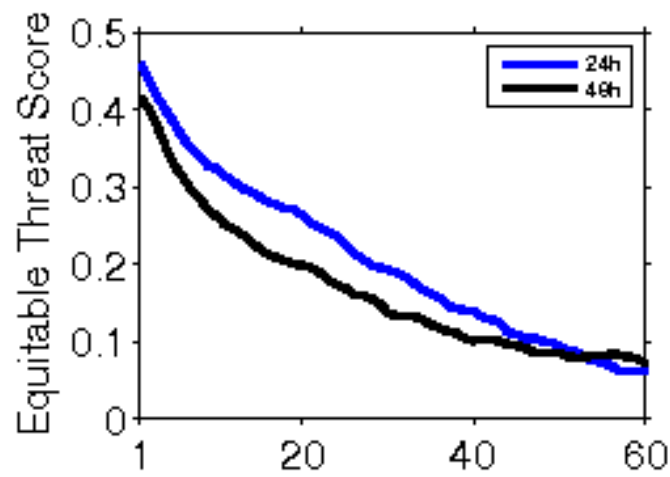


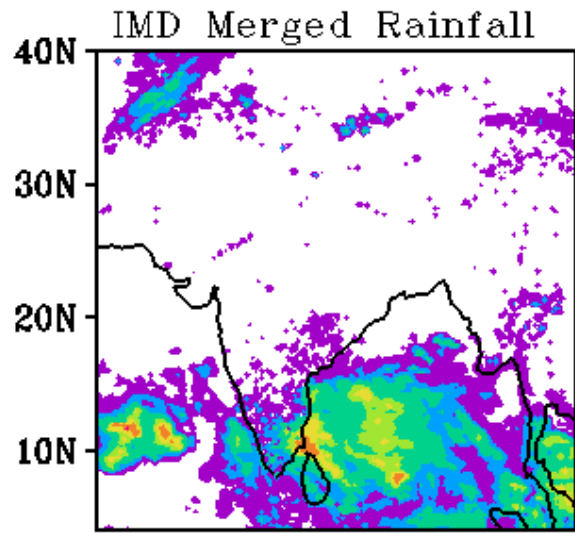




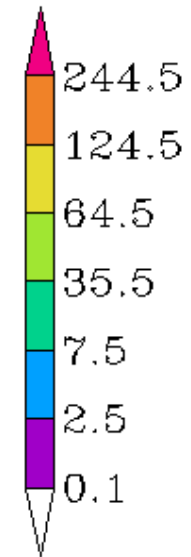
WRF Start Time
00Z 08112021

Forecast Period
03Z 09112021-03Z 10112021

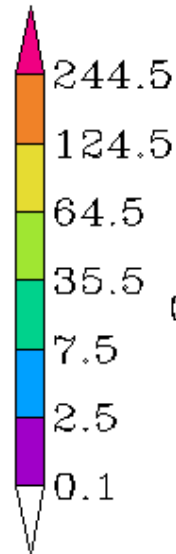




WRF Rainfall 24h FC



WRF-IMD Rainfall

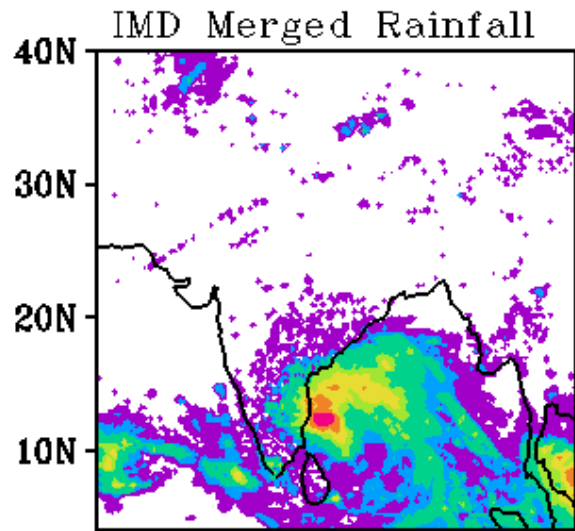


WRF Start Time

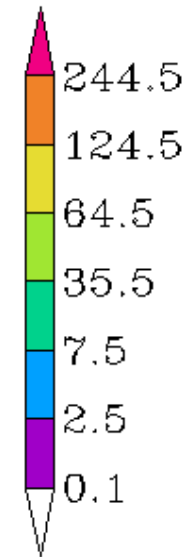
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Forecast Period

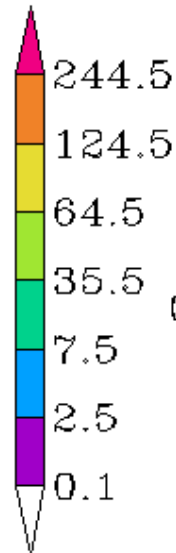
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WRF Rainfall 48h FC



WRF-IMD Rainfall

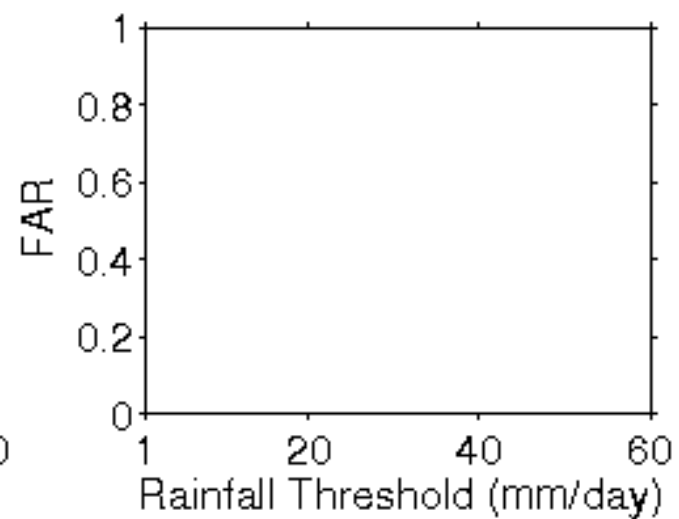
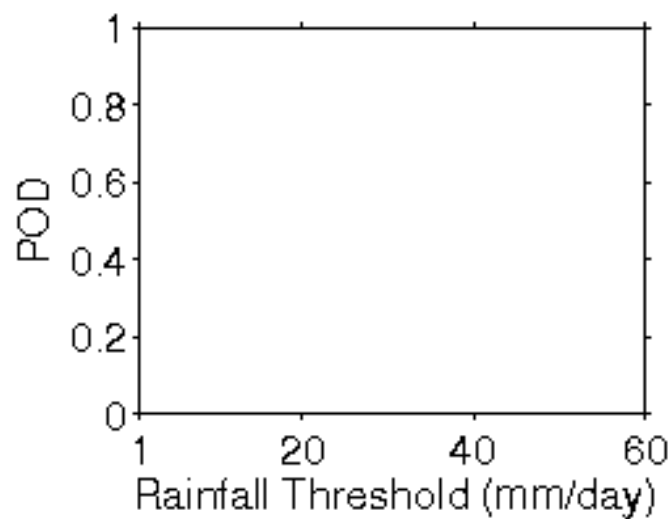
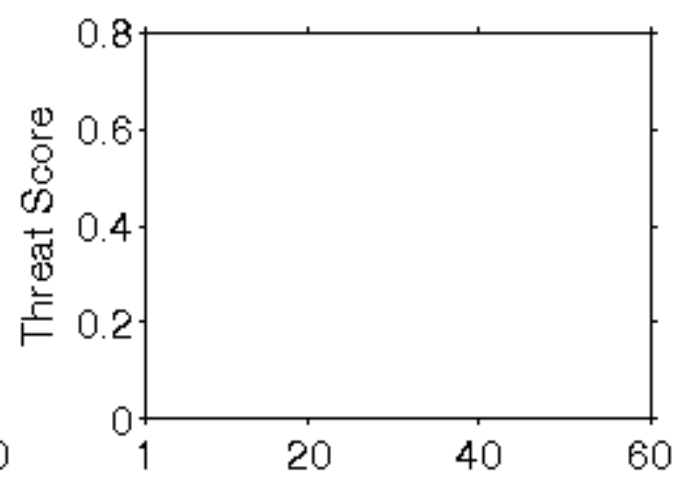
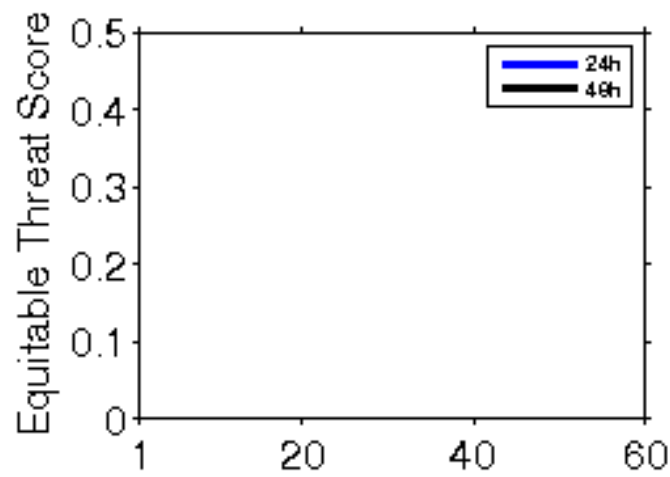


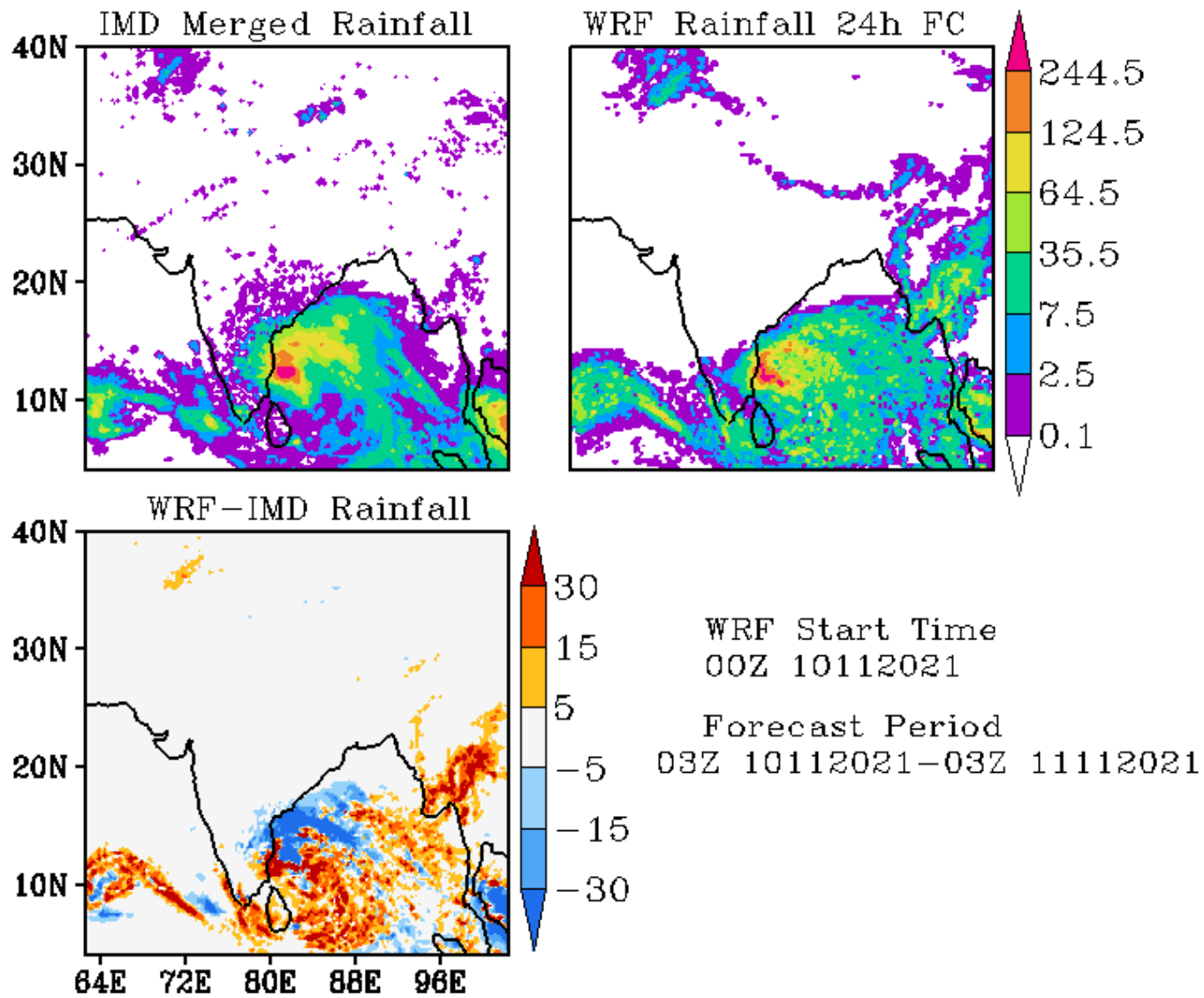
WRF Start Time

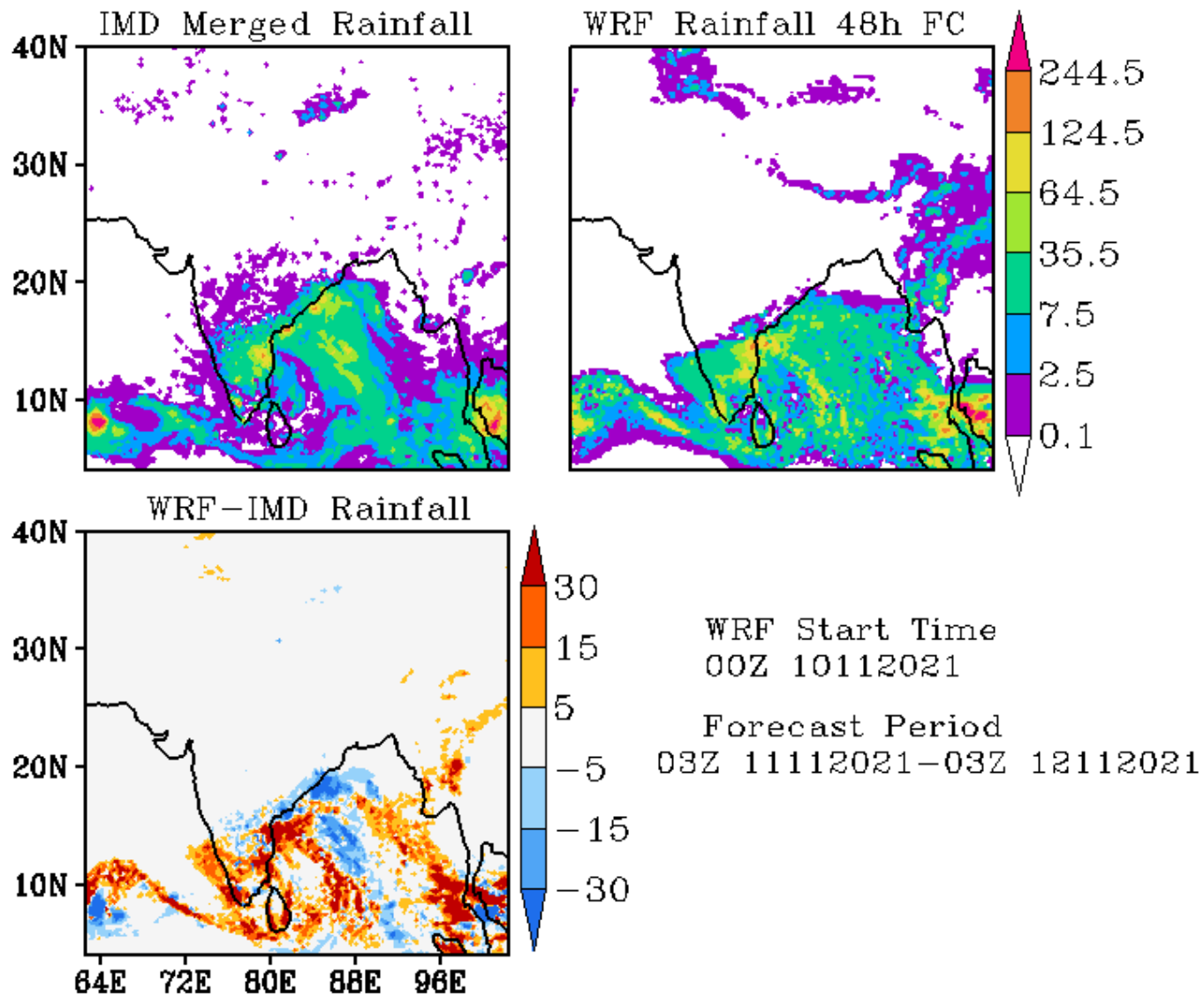
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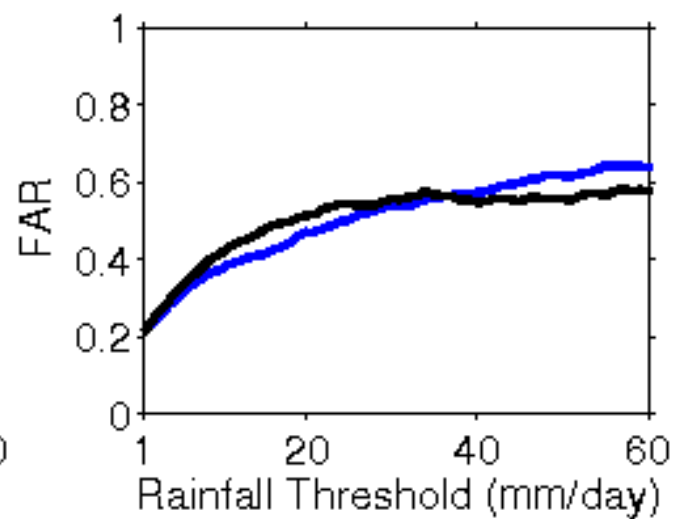
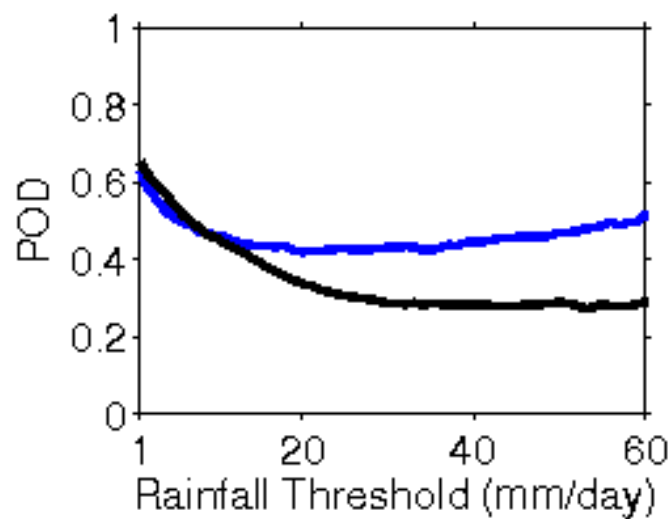
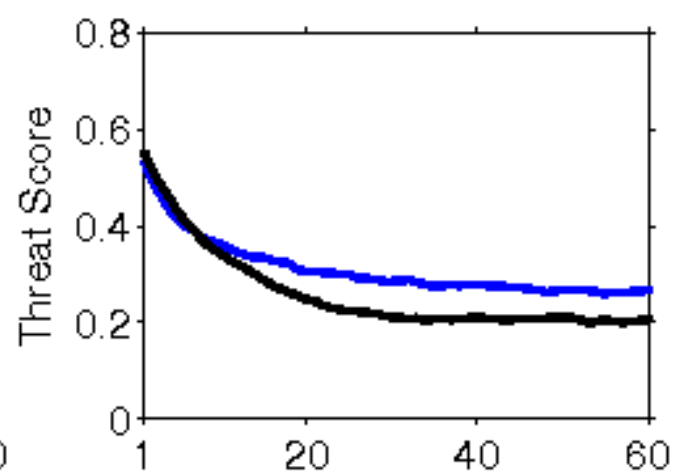
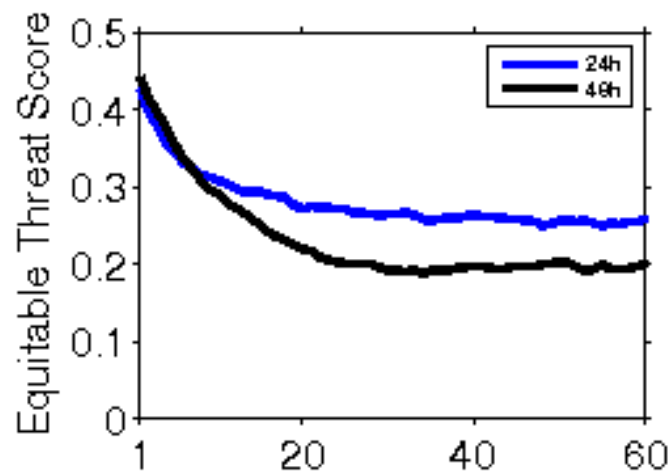
Forecast Period

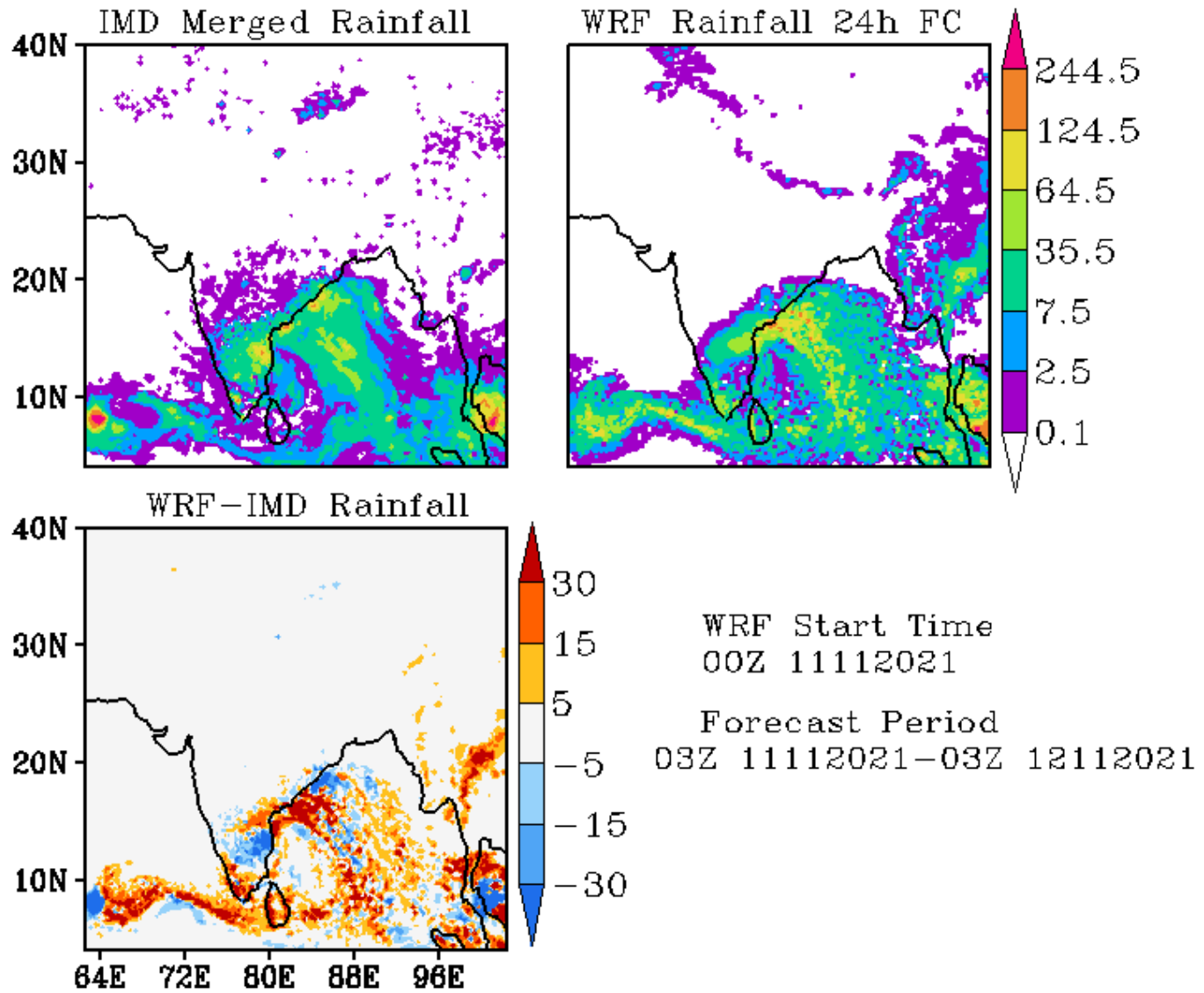
03Z 10112021-03Z 11112021

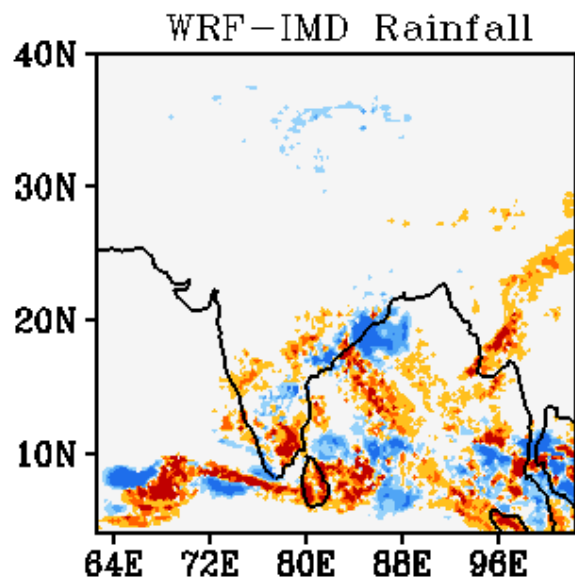
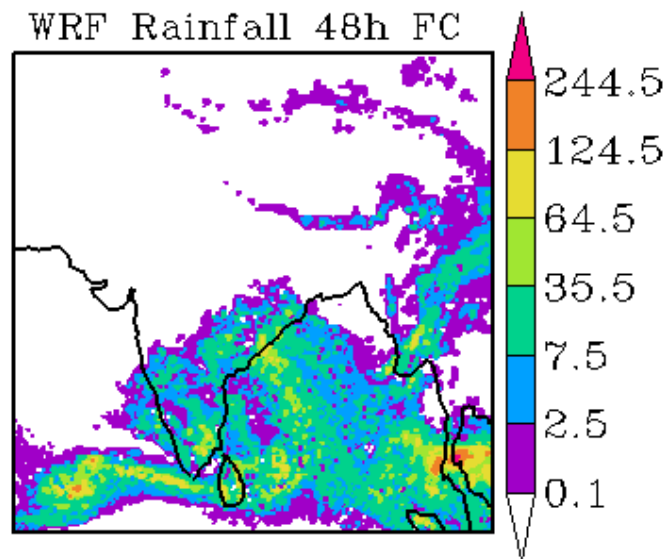
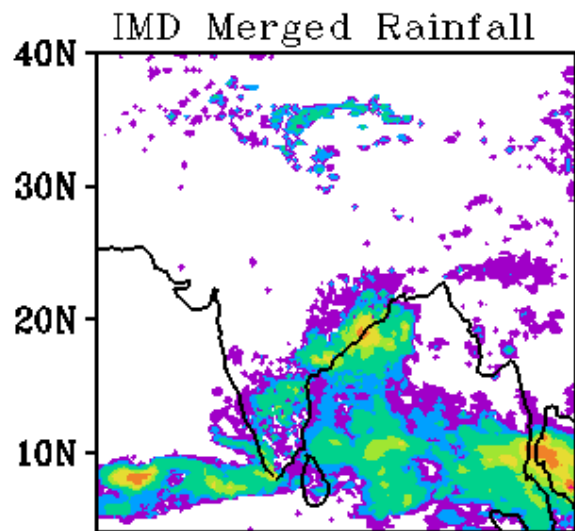






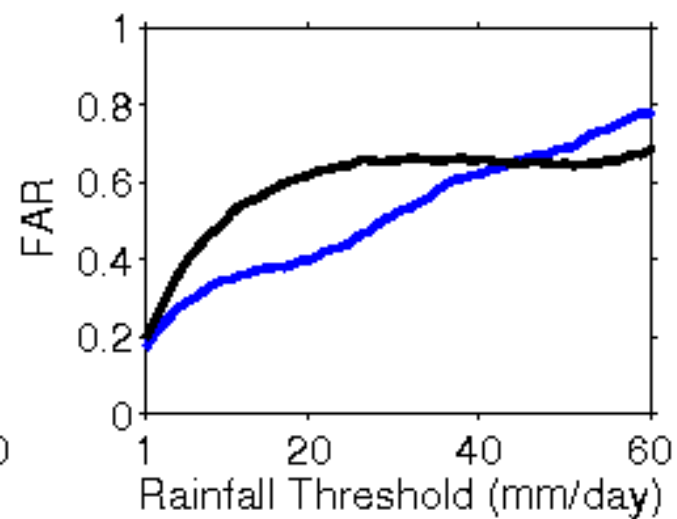
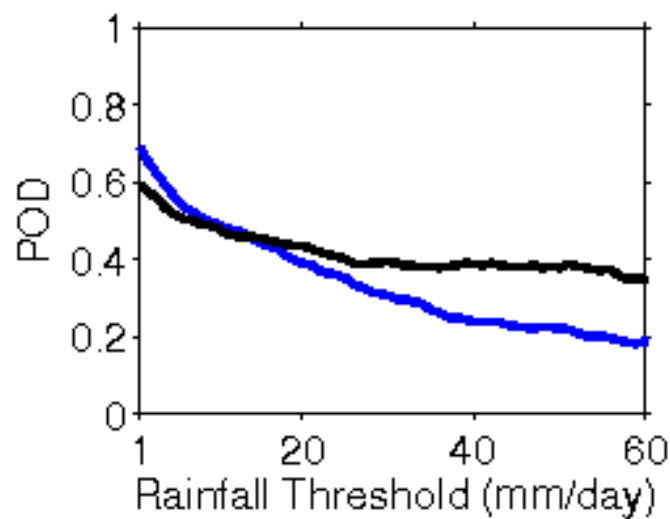
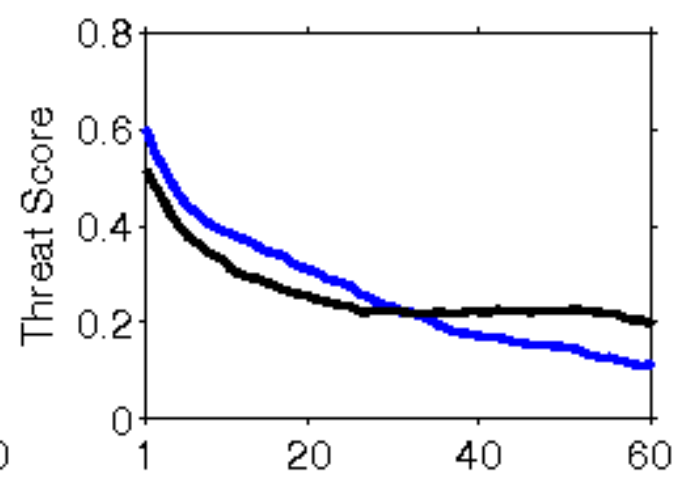
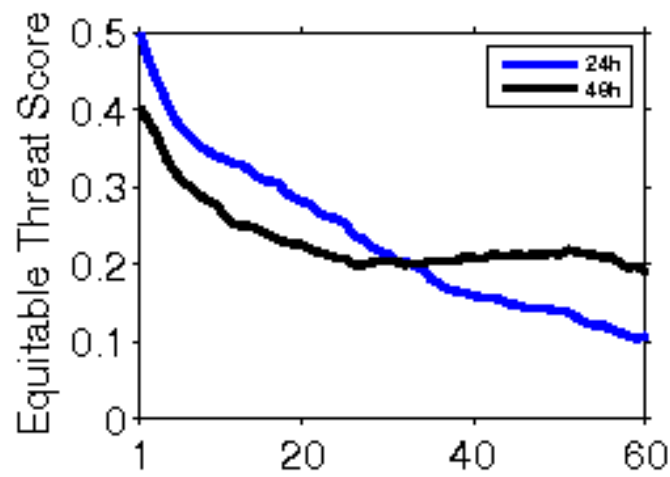


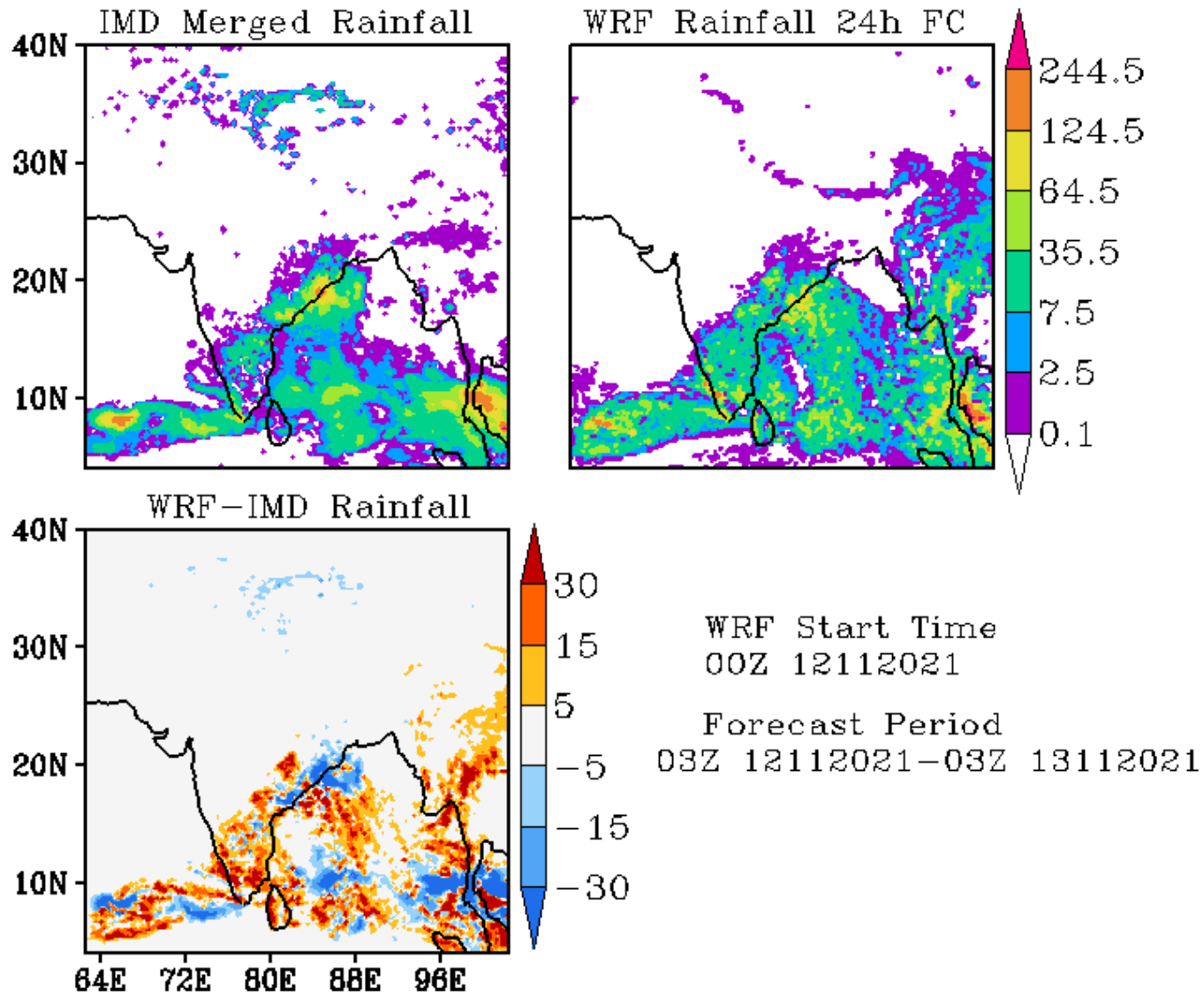


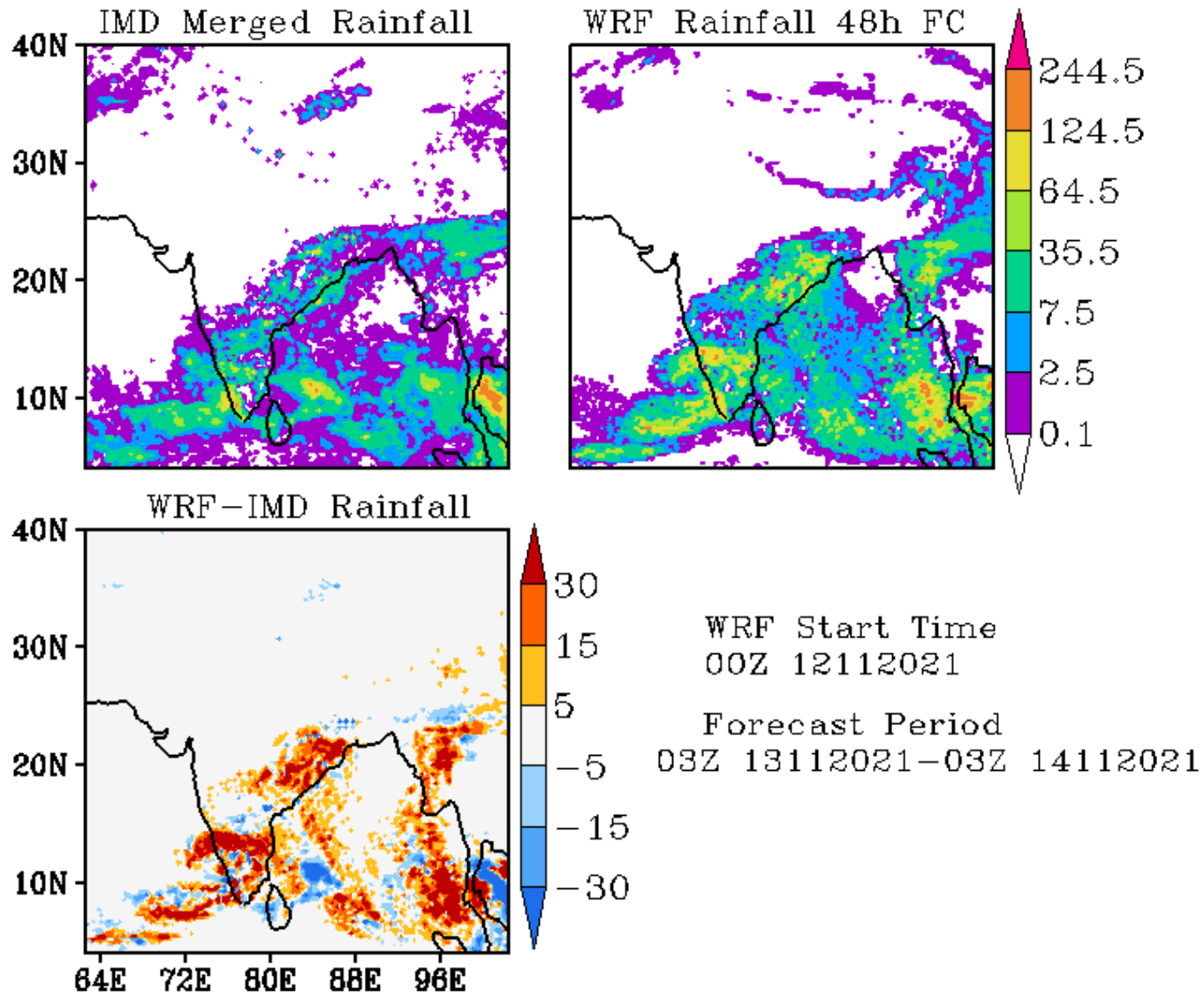


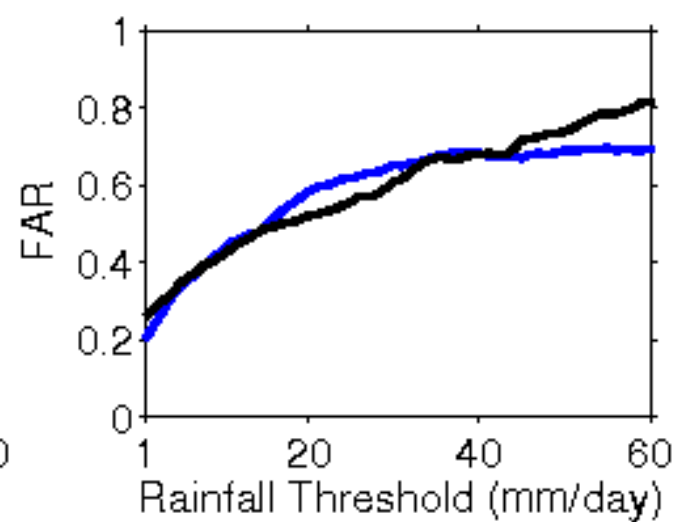
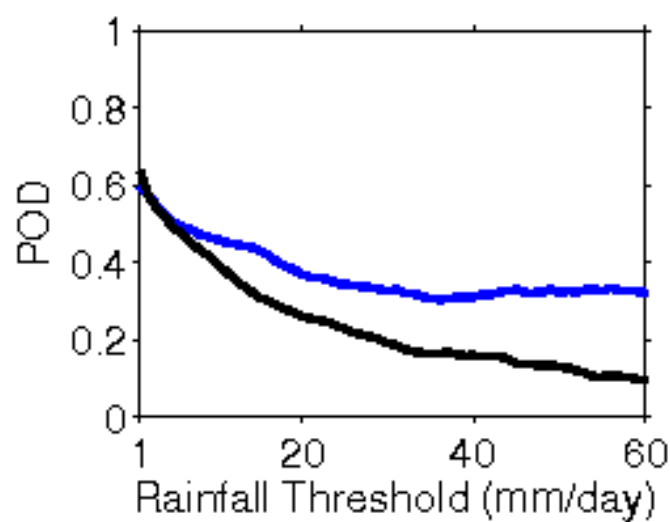
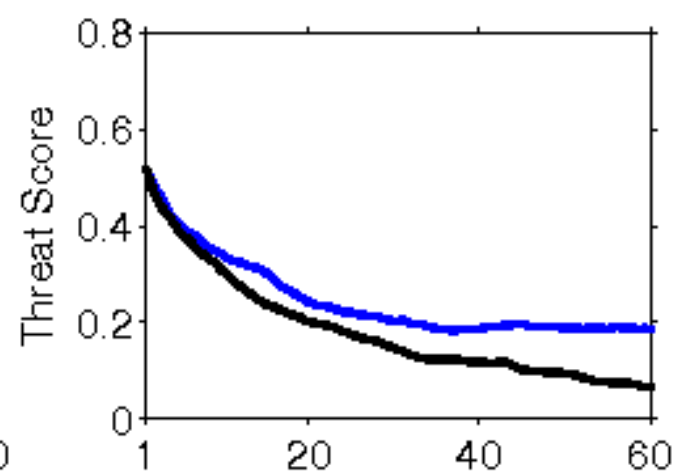
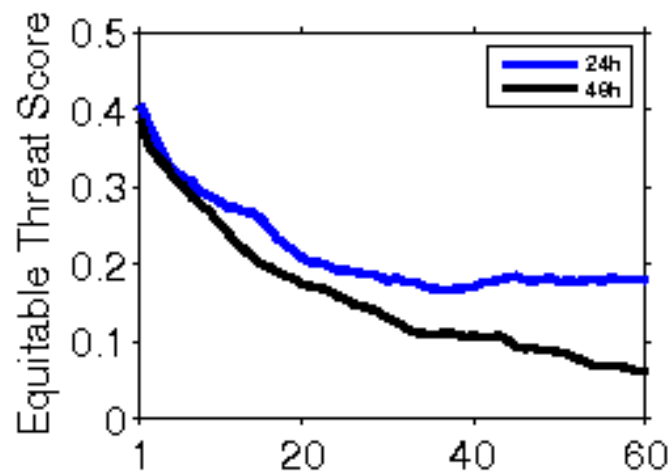
WRF Start Time
00Z 11112021

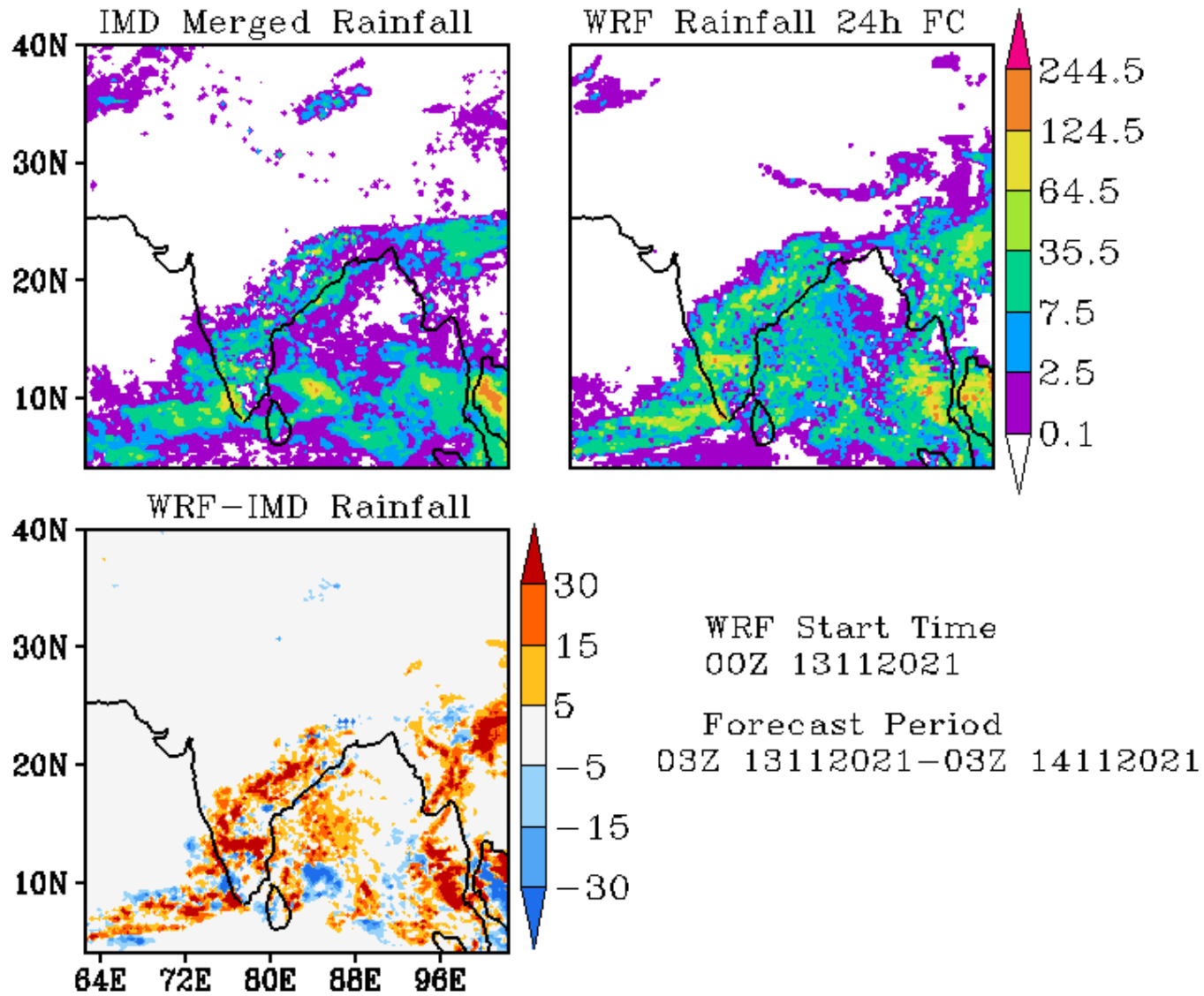
Forecast Period
03Z 12112021-03Z 13112021

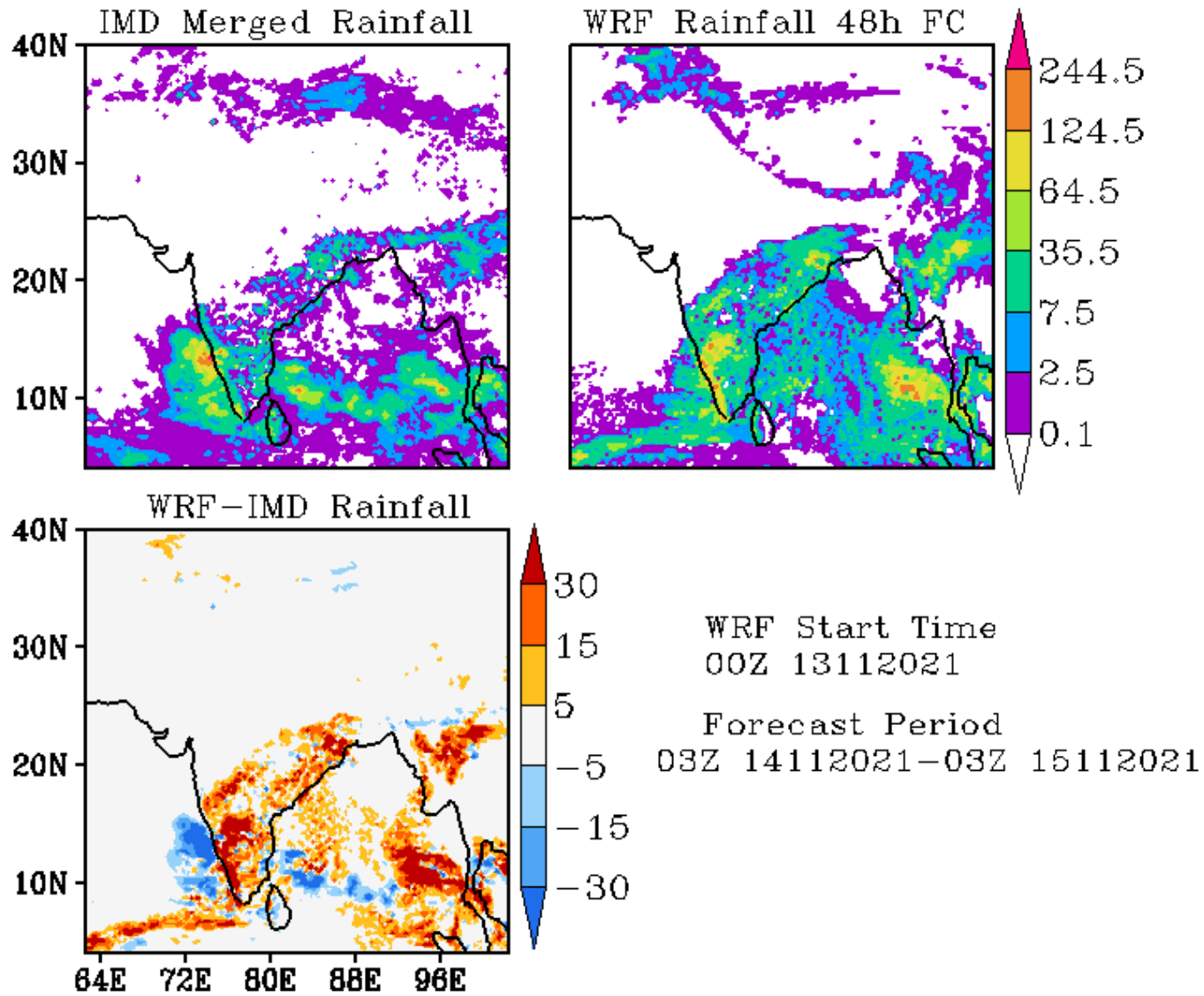


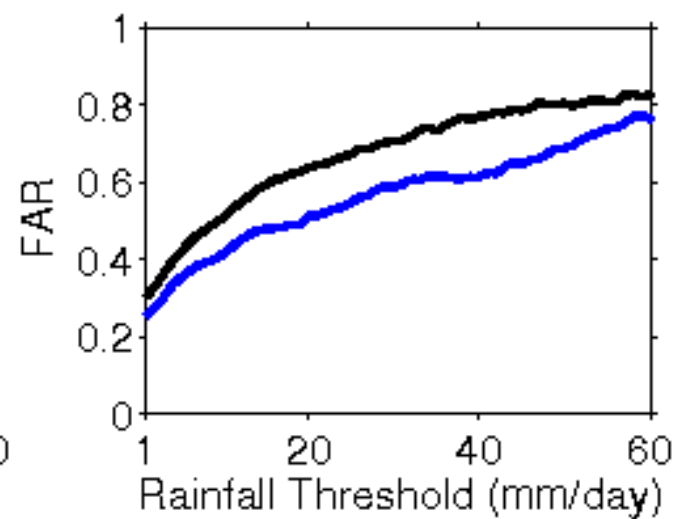
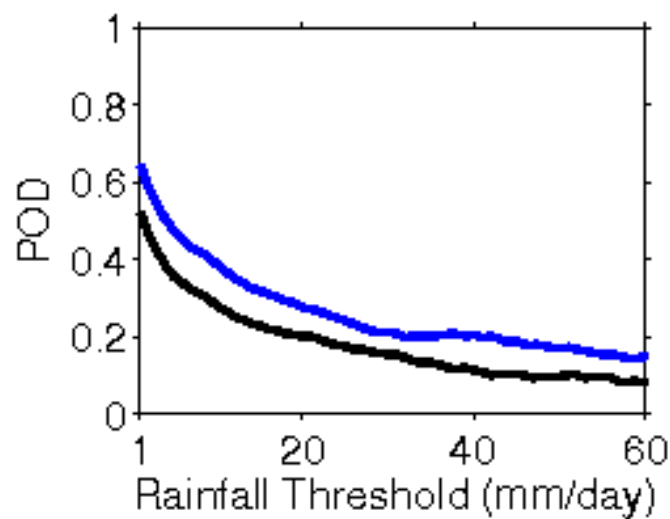
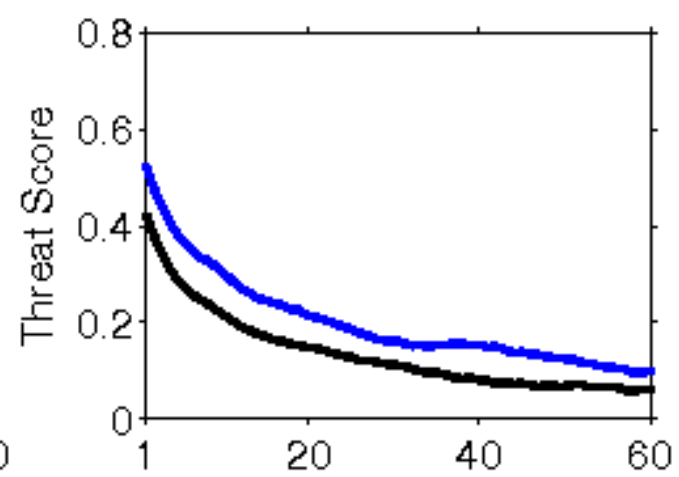
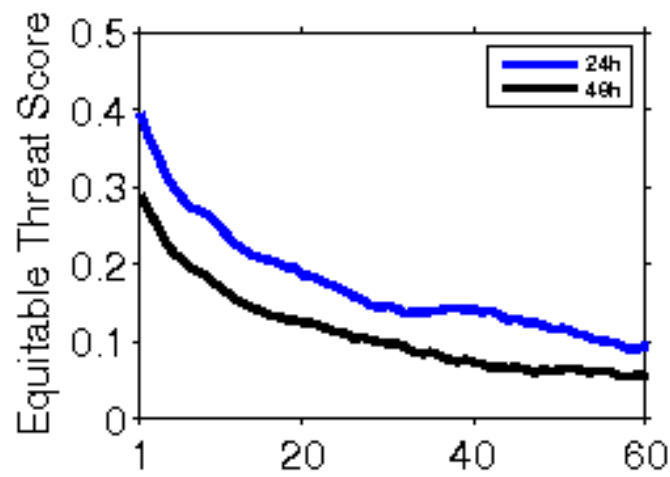


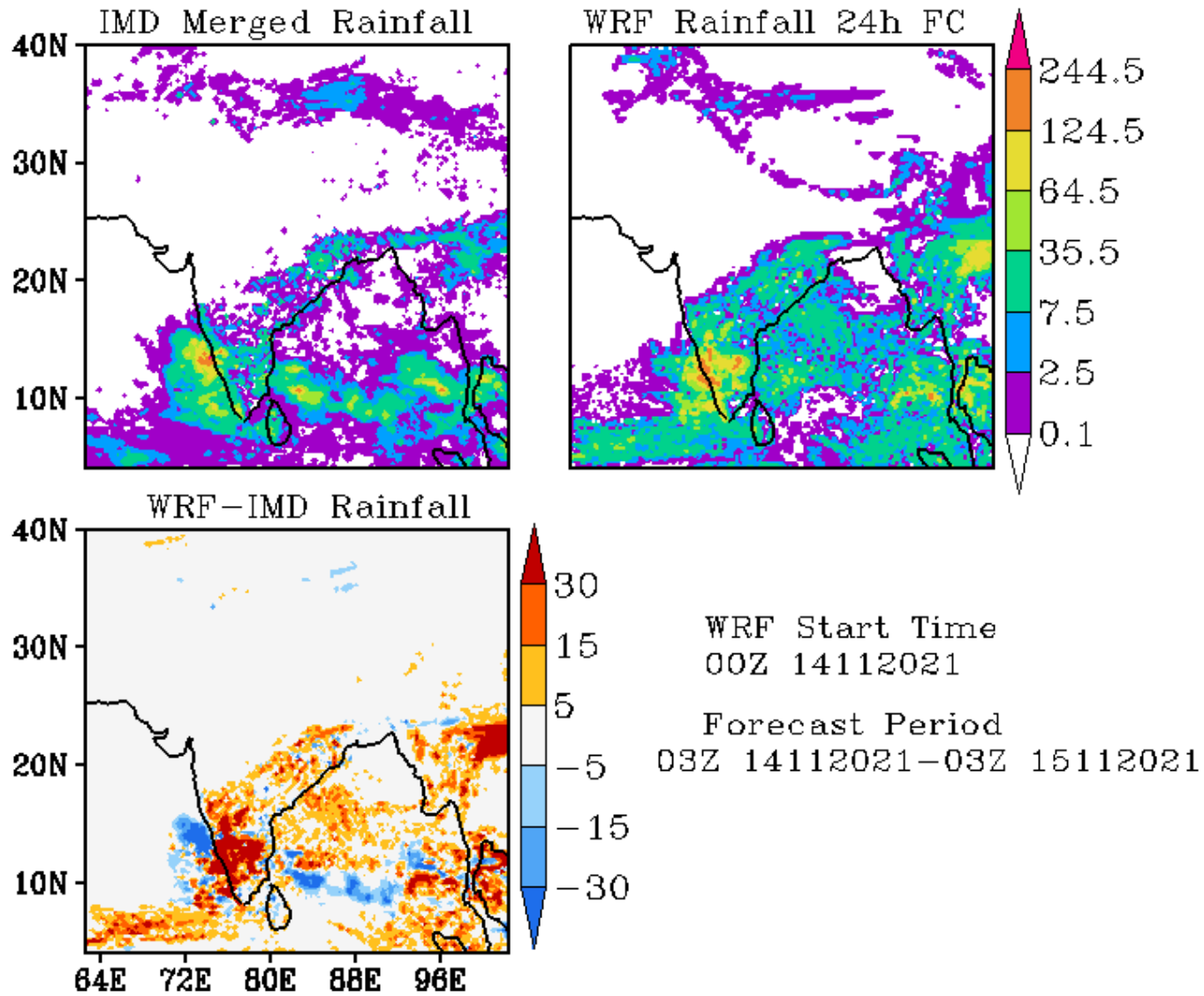


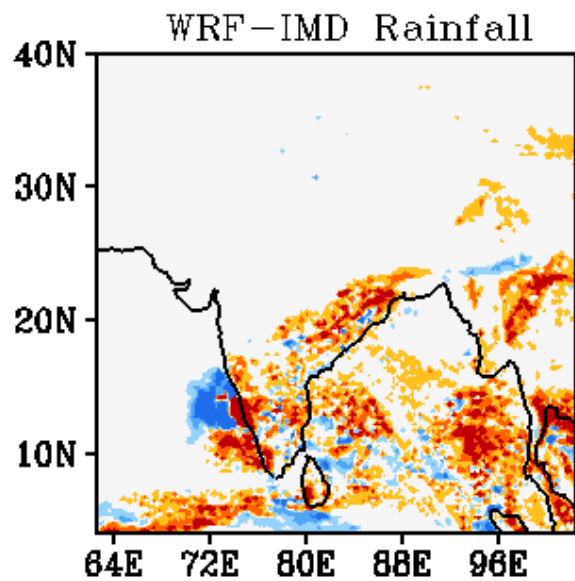
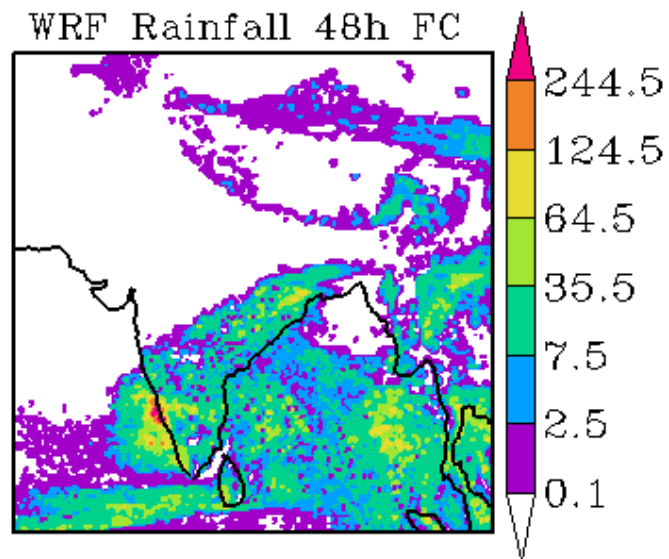
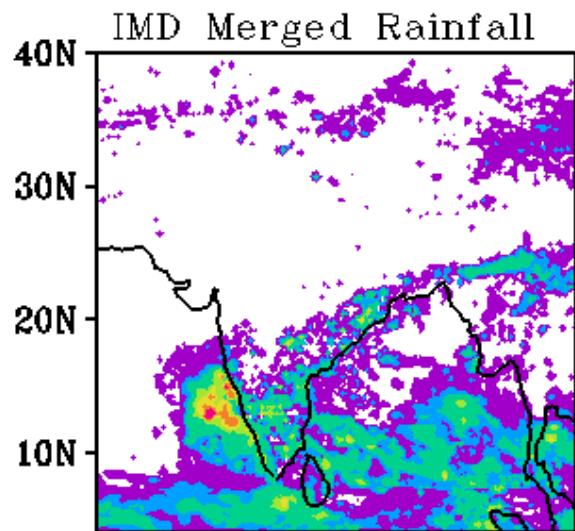






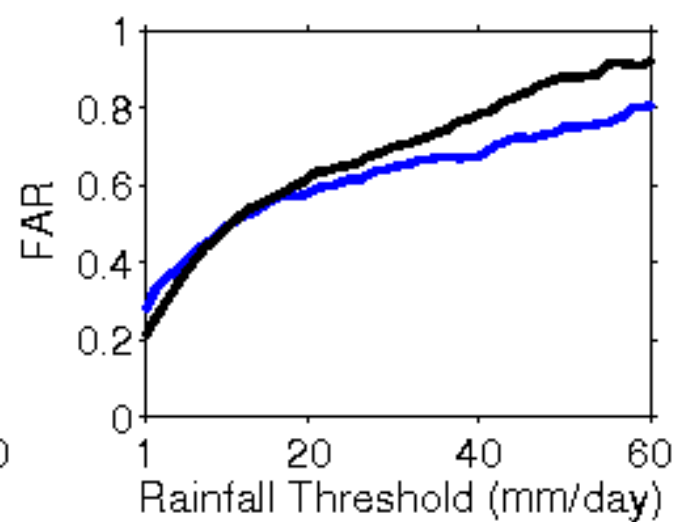
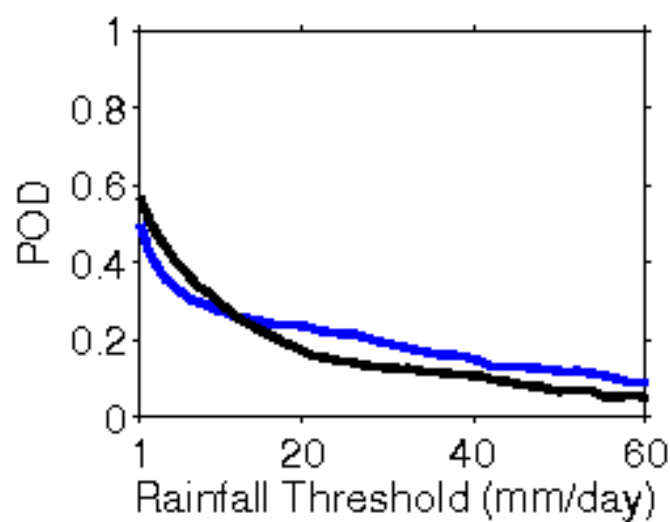
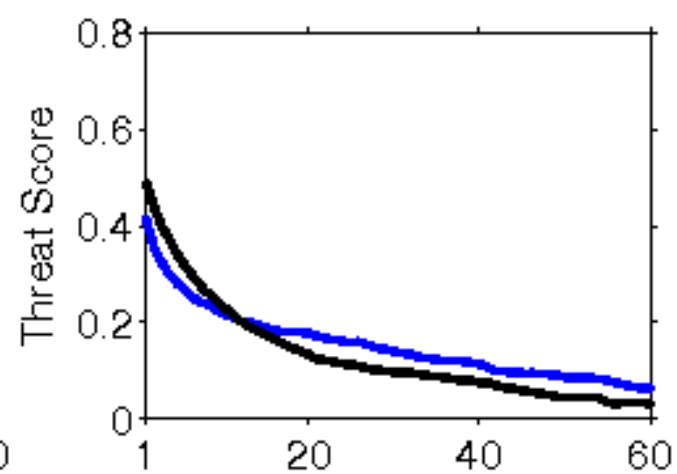
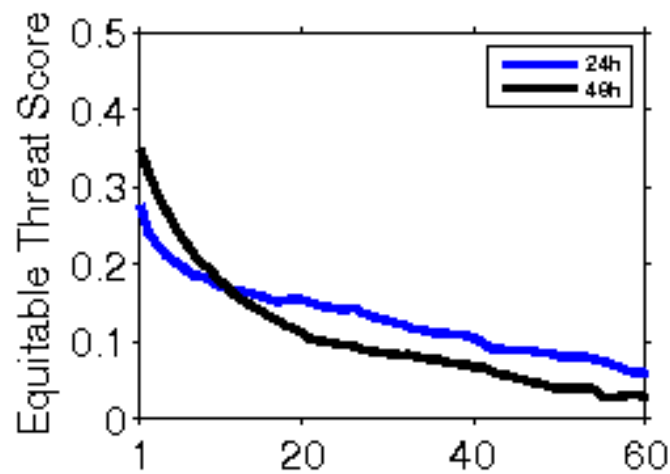


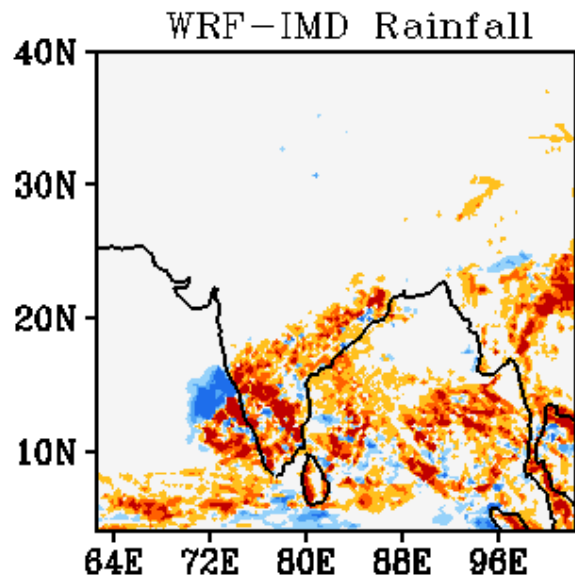
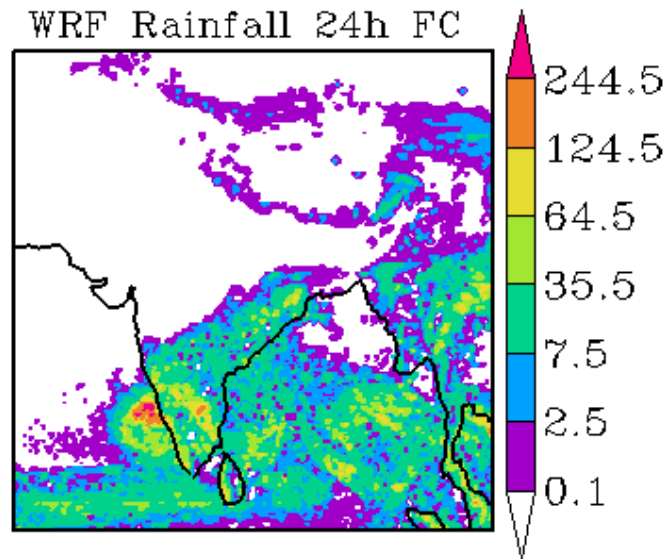
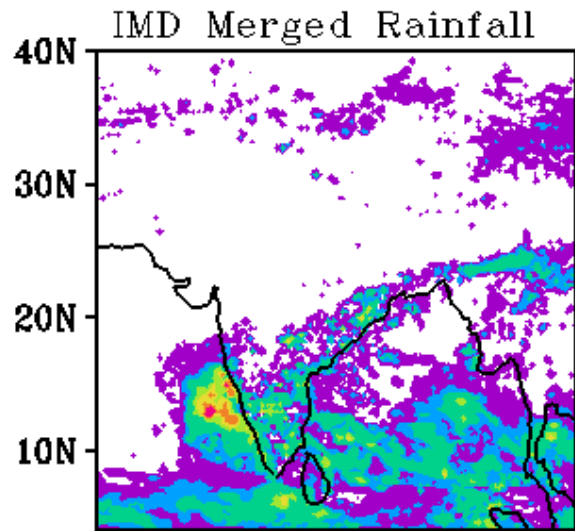




WRF Start Time
00Z 14112021

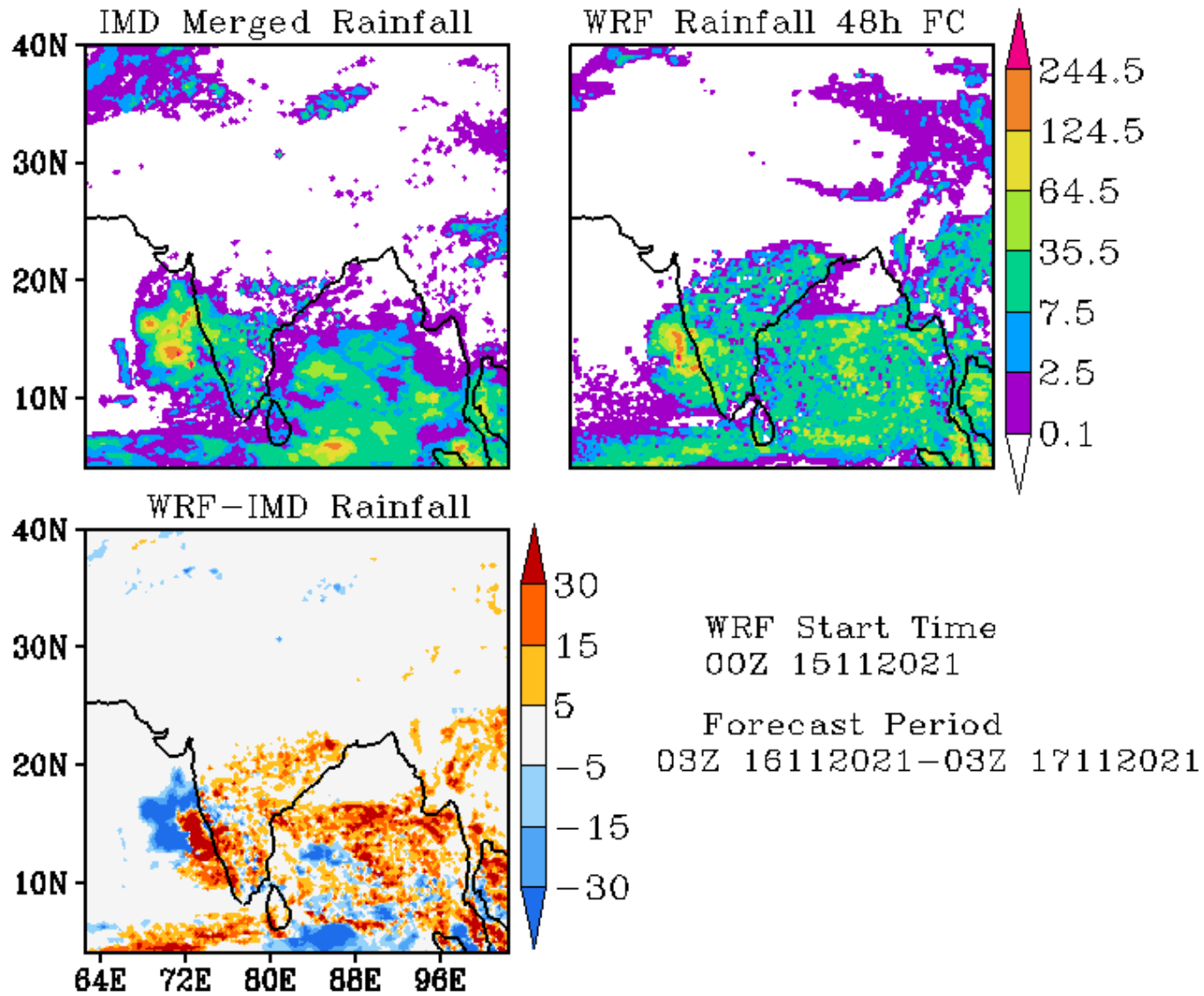
Forecast Period
03Z 15112021-03Z 16112021

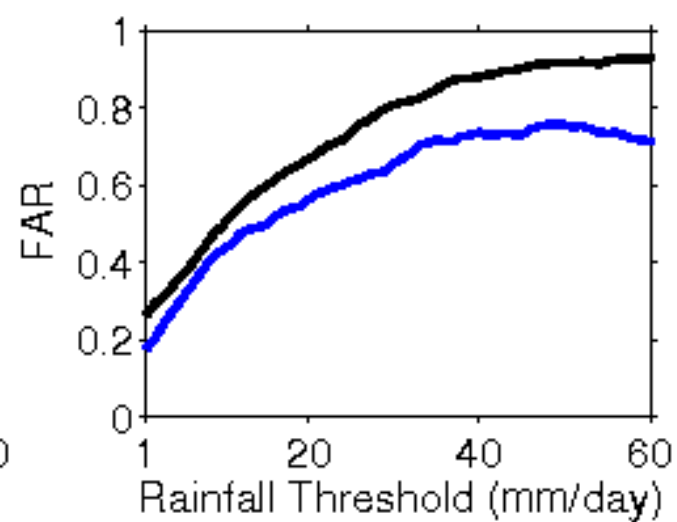
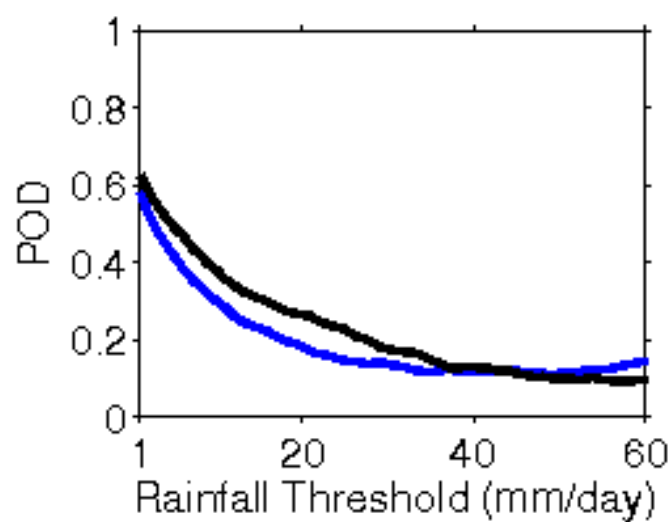
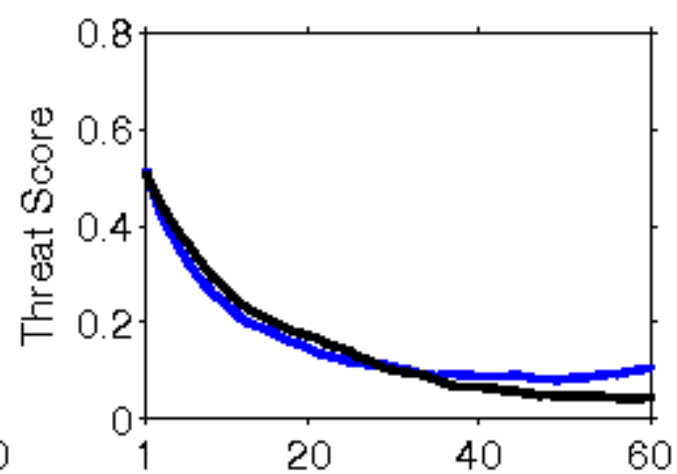
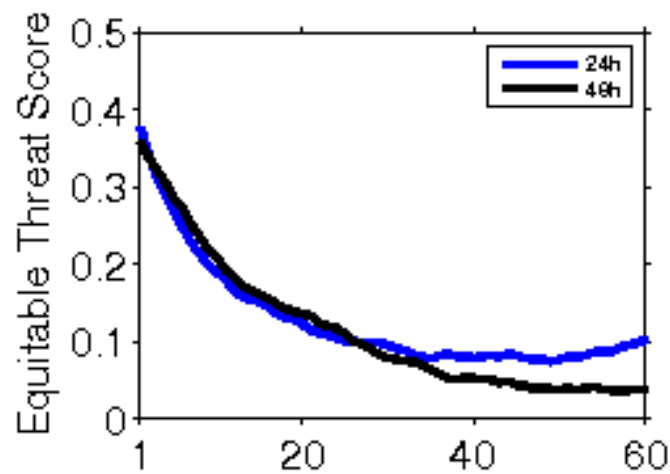


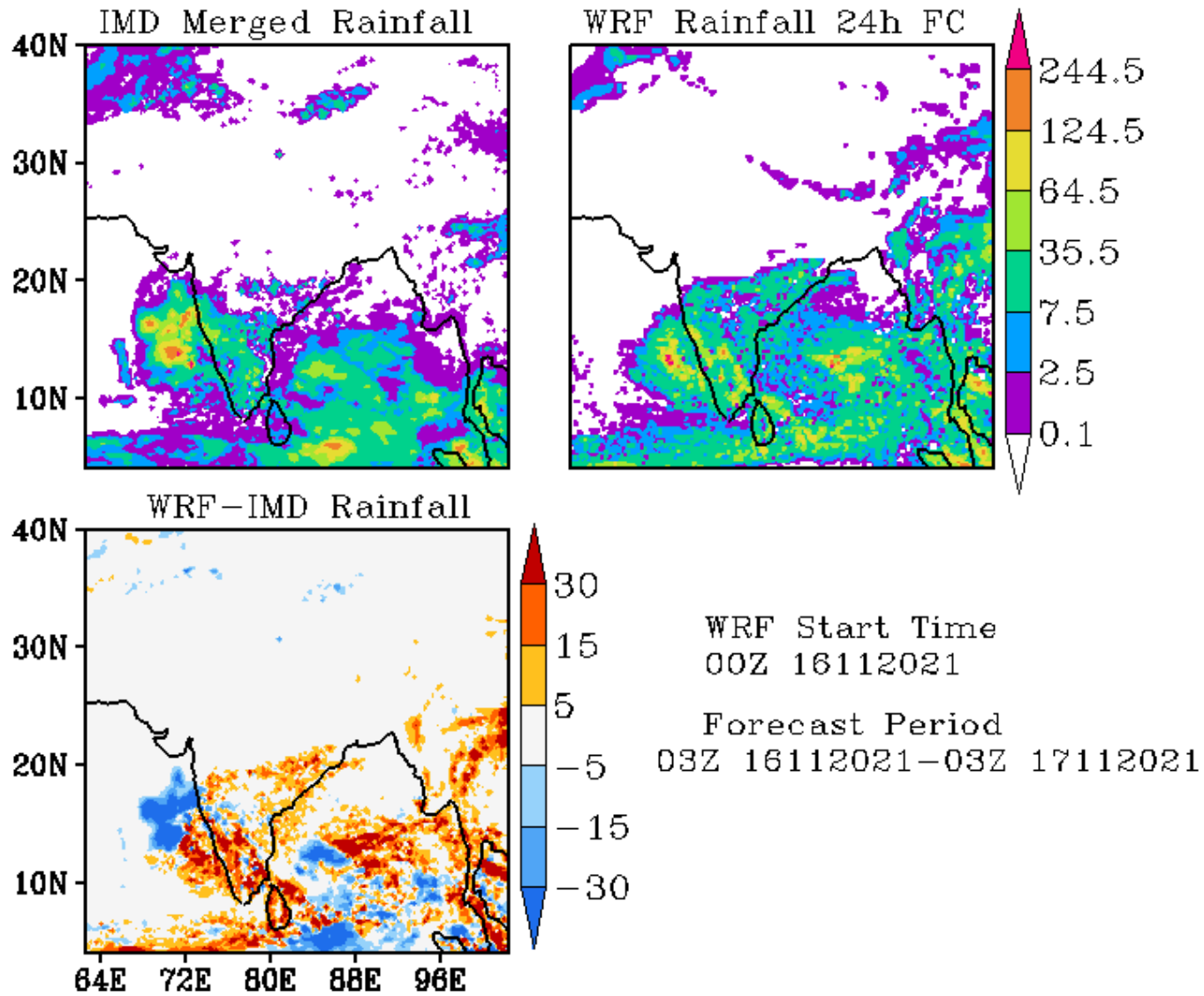


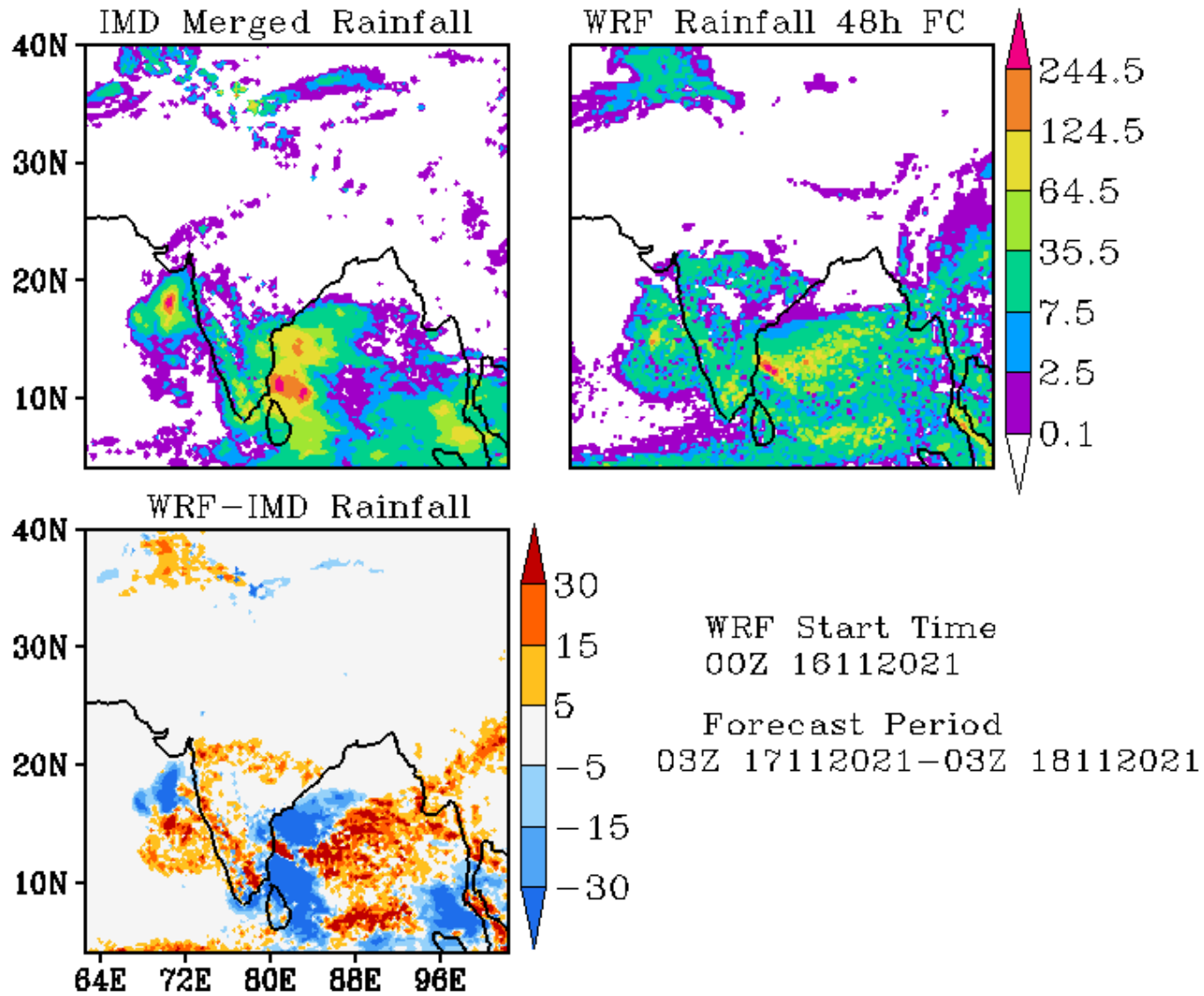
WRF Start Time
00Z 15112021

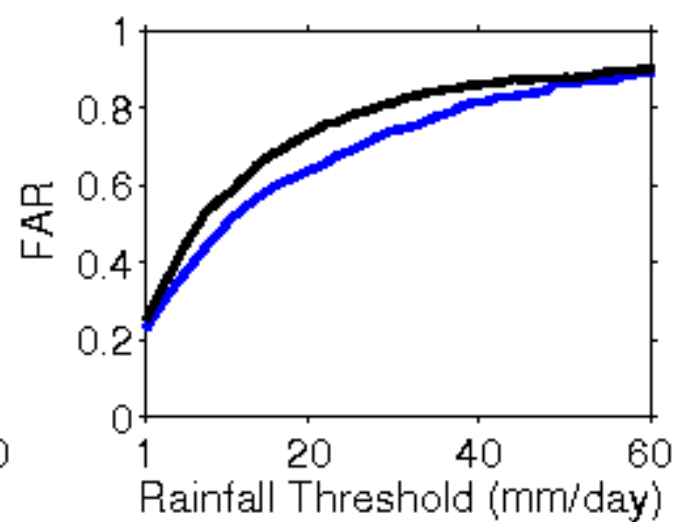
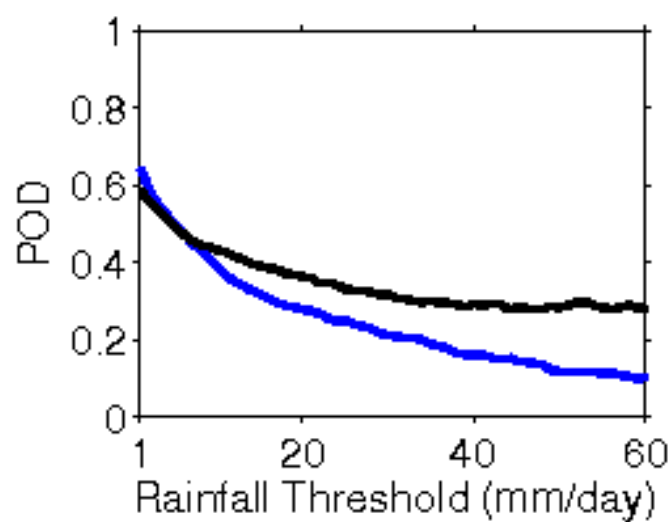
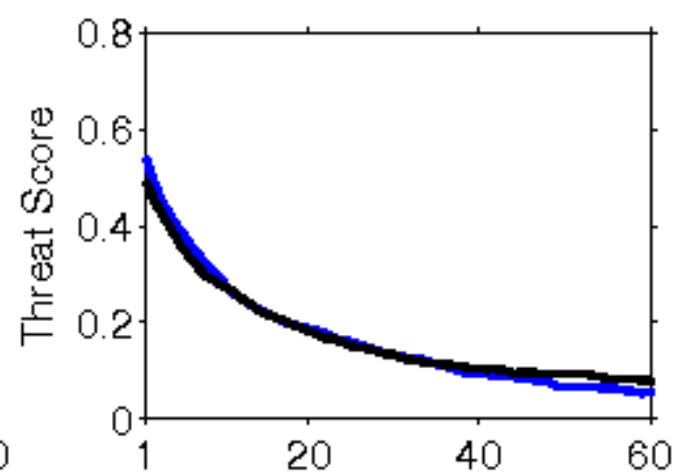
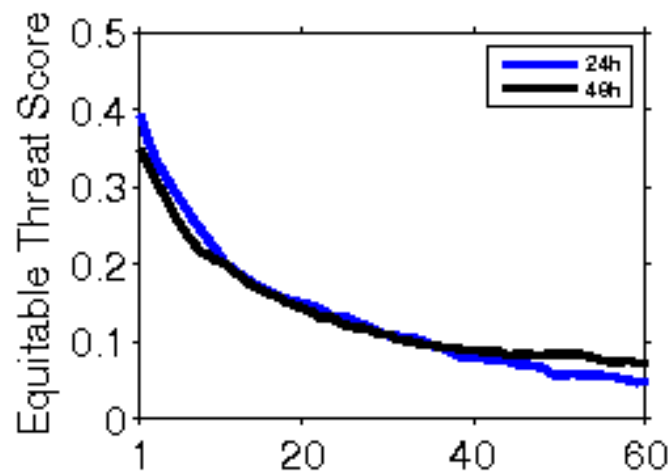
Forecast Period
03Z 15112021-03Z 16112021

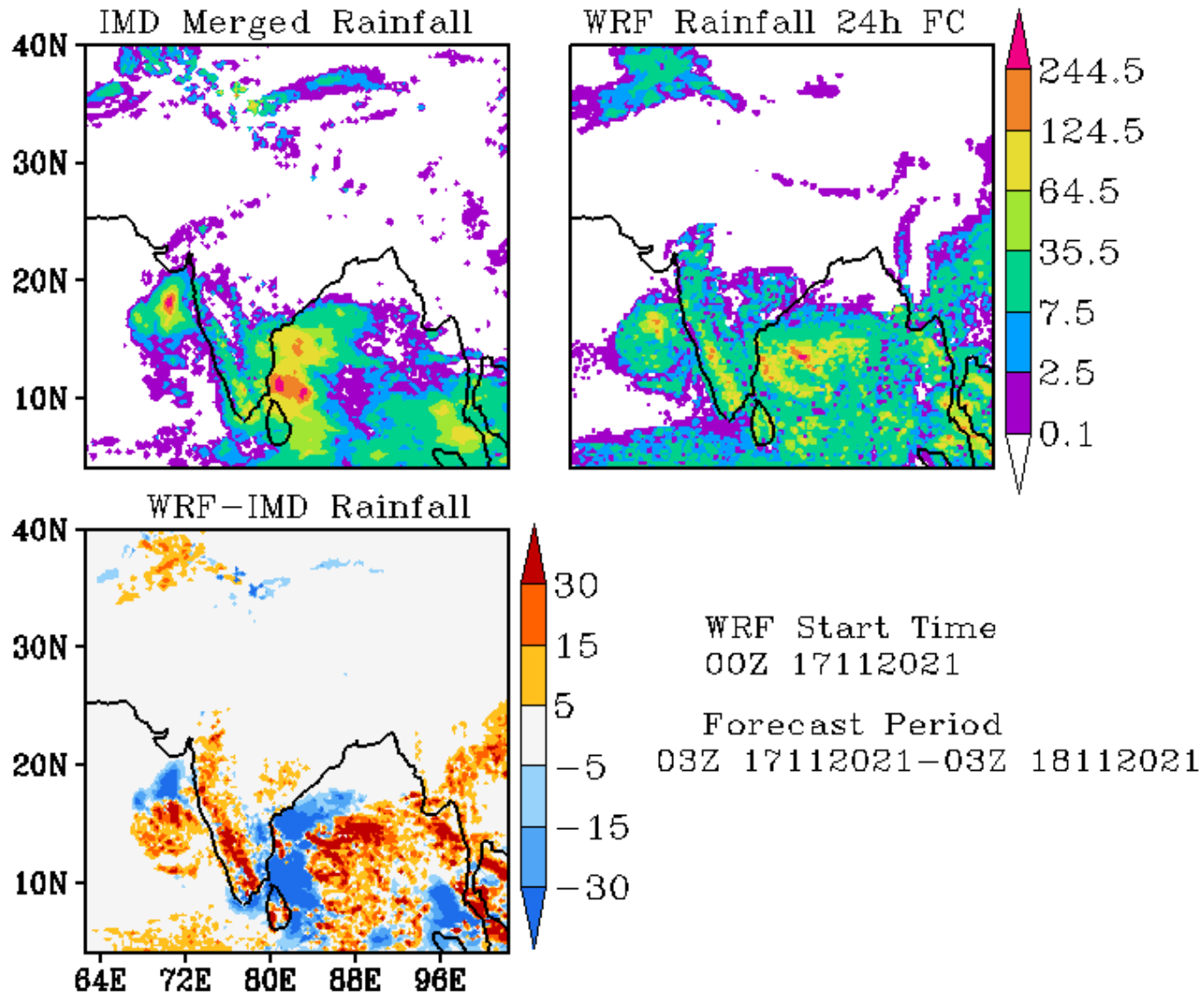


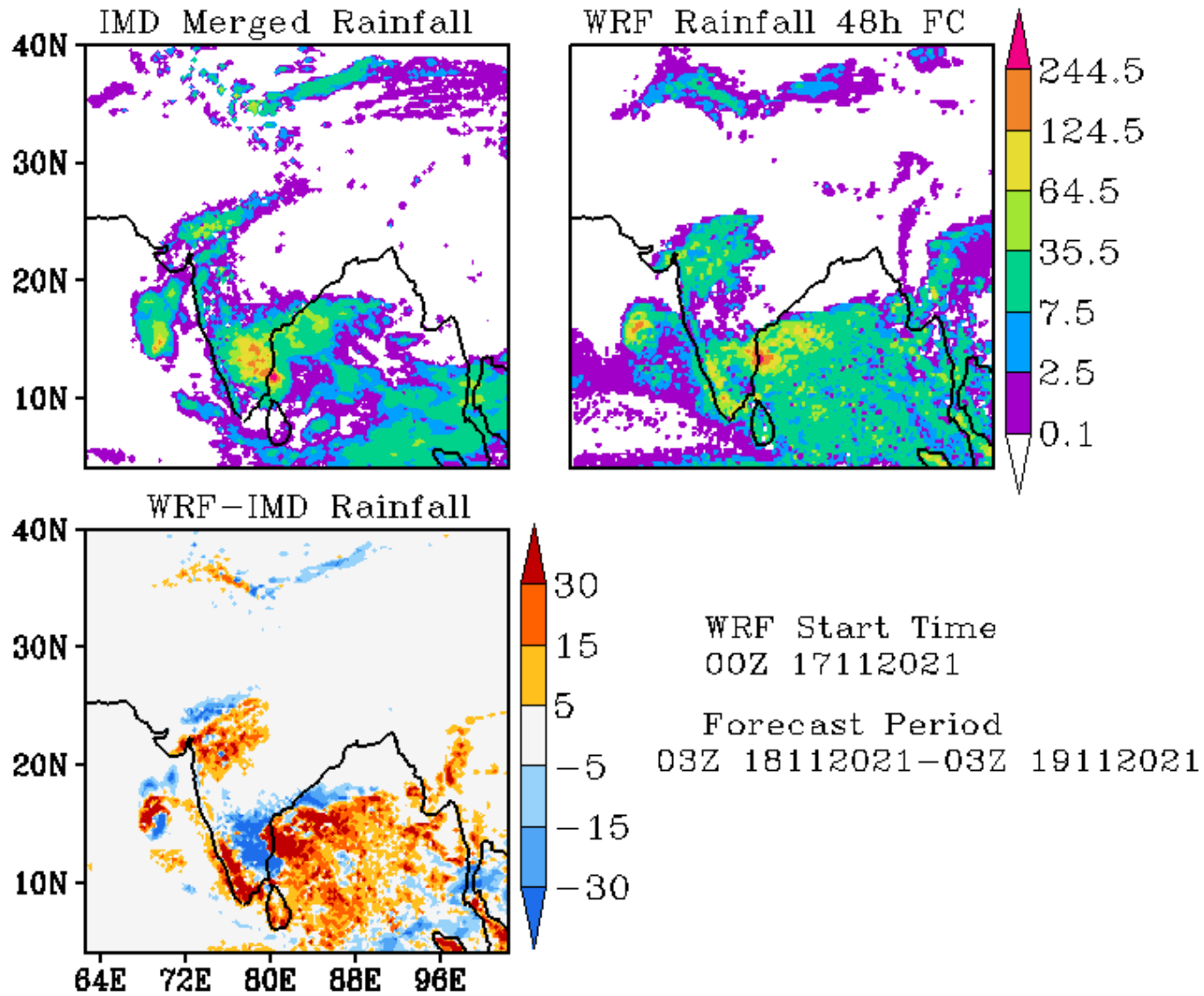


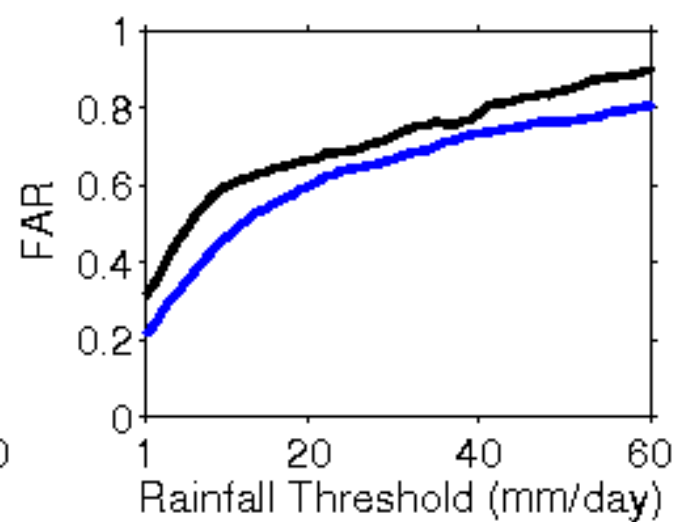
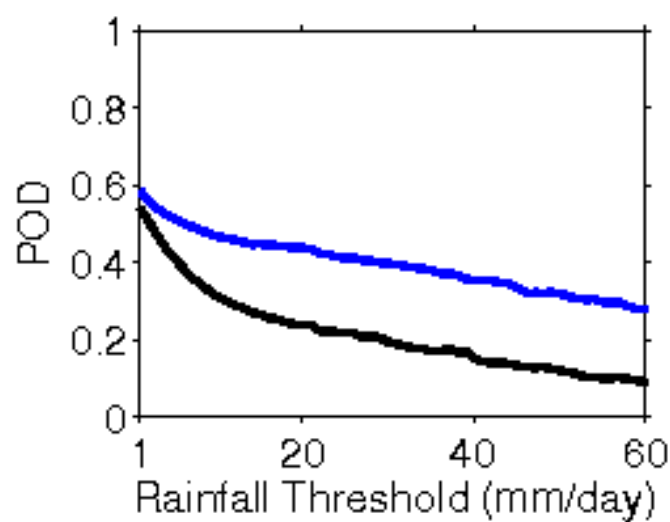
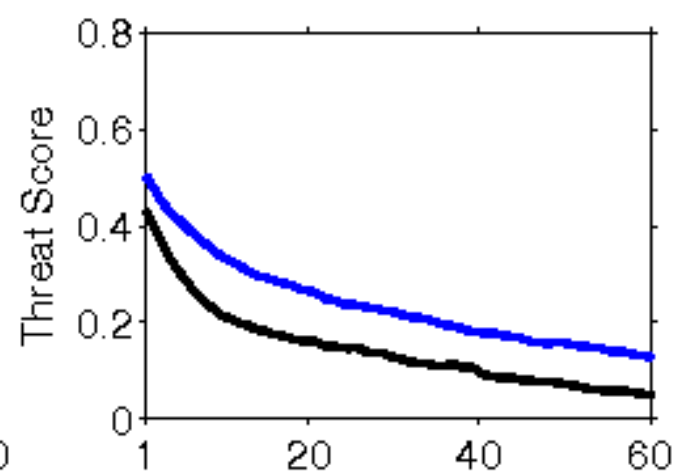
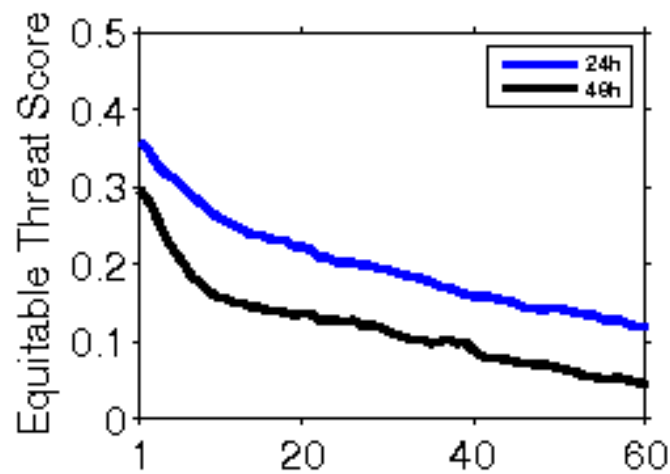


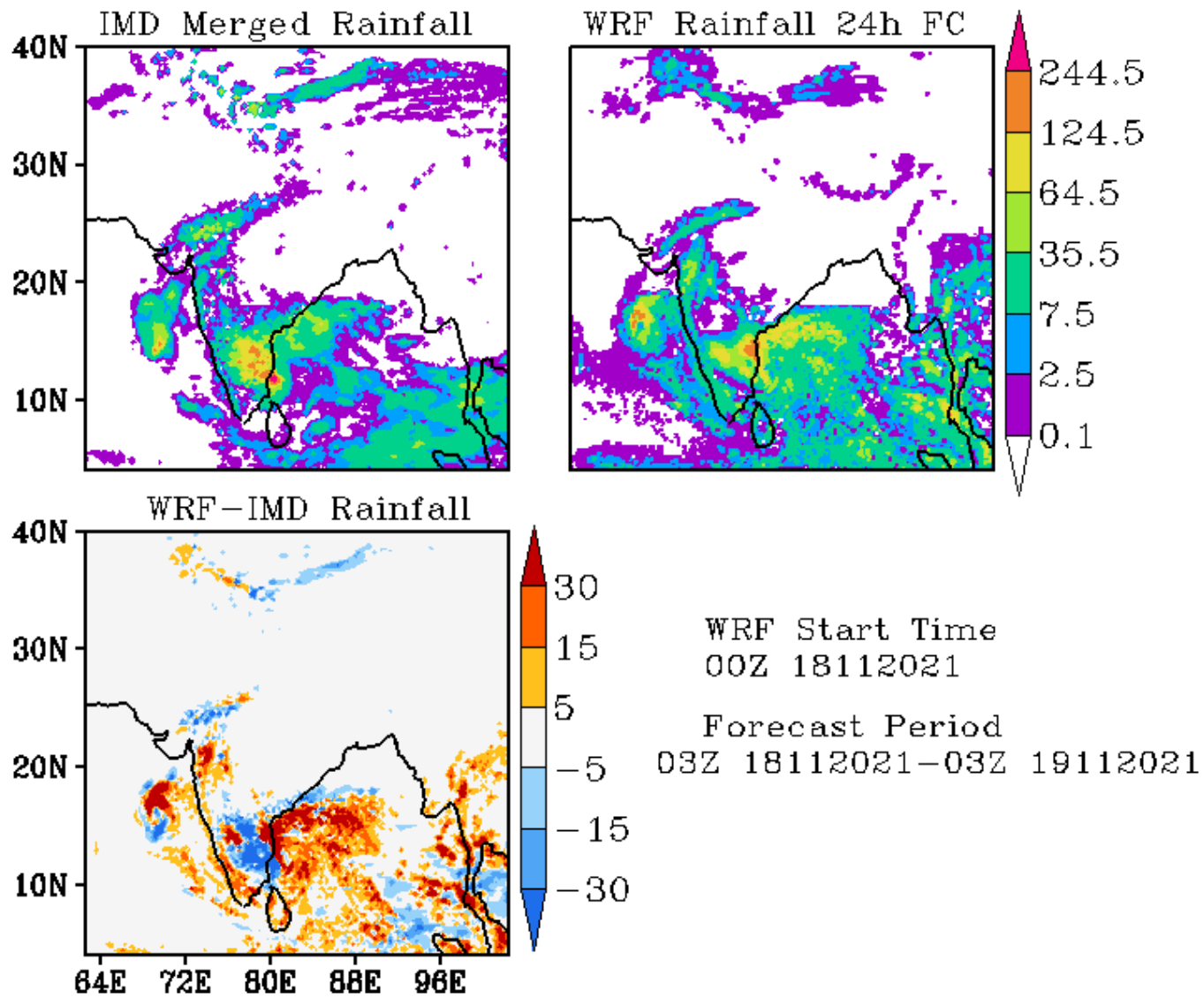


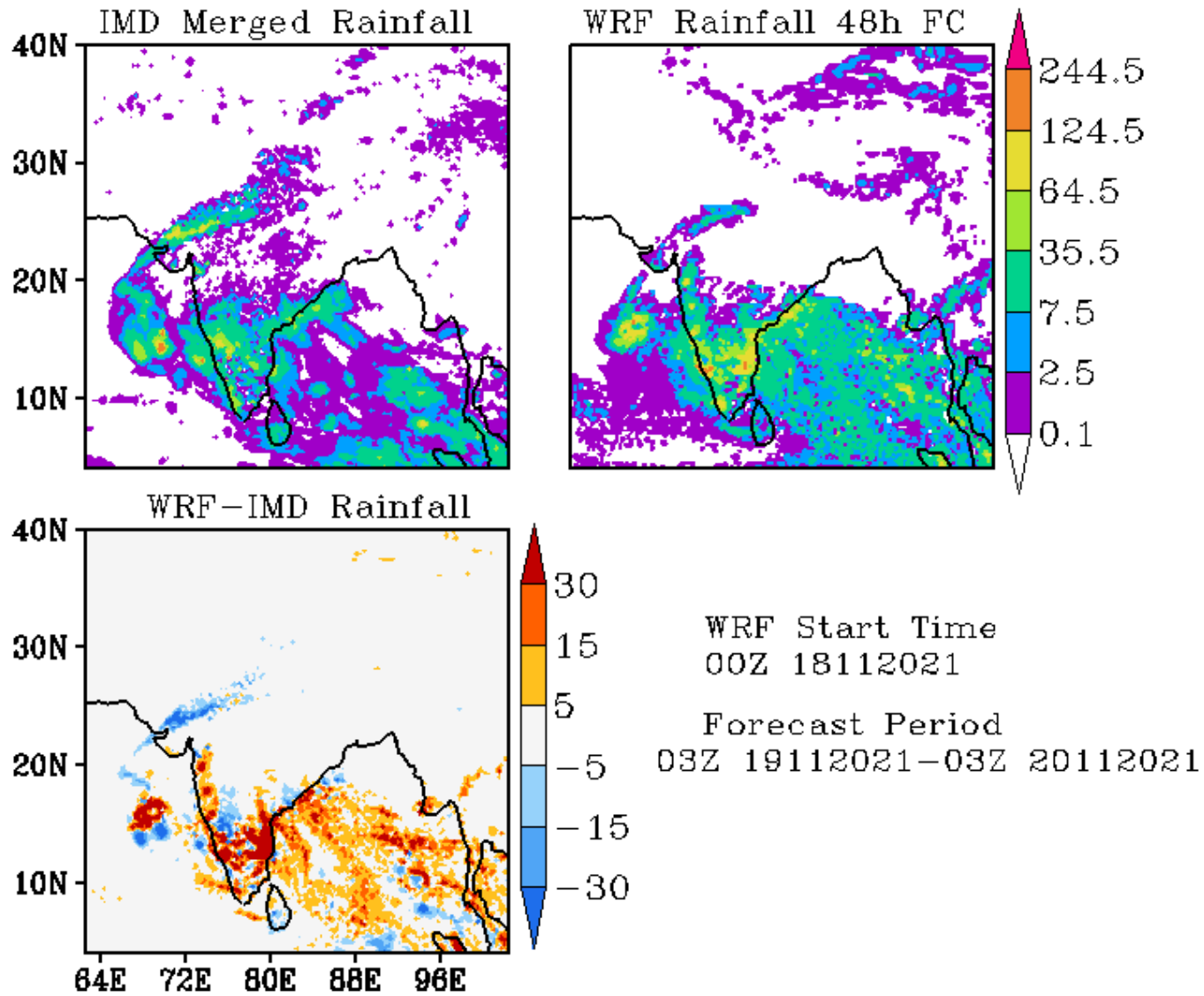


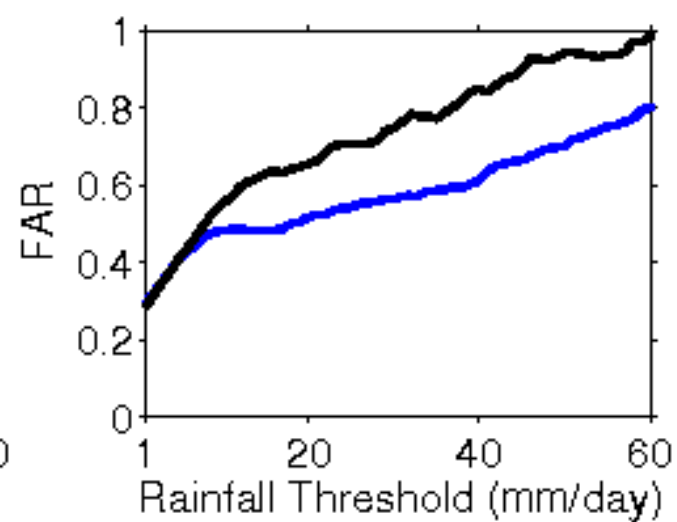
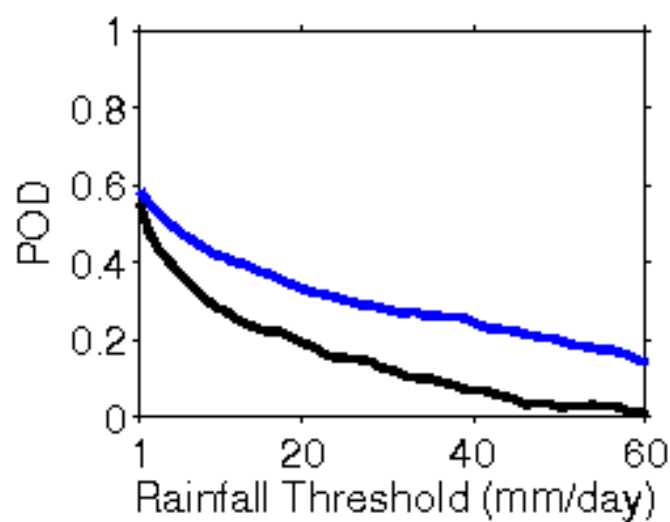
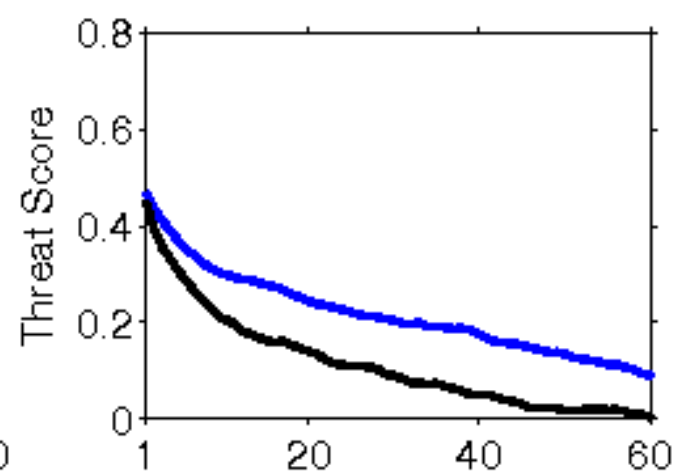
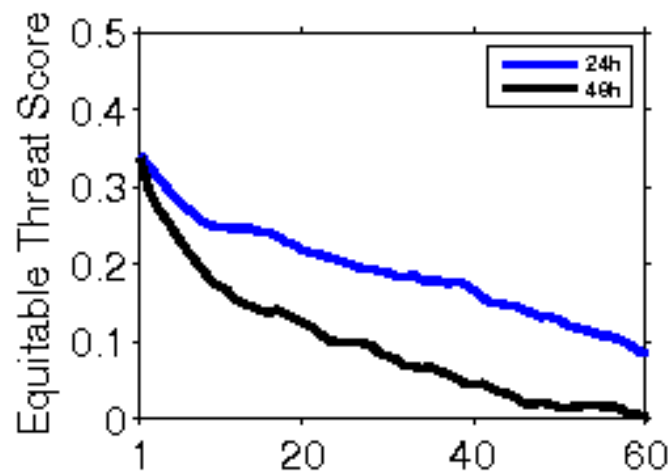


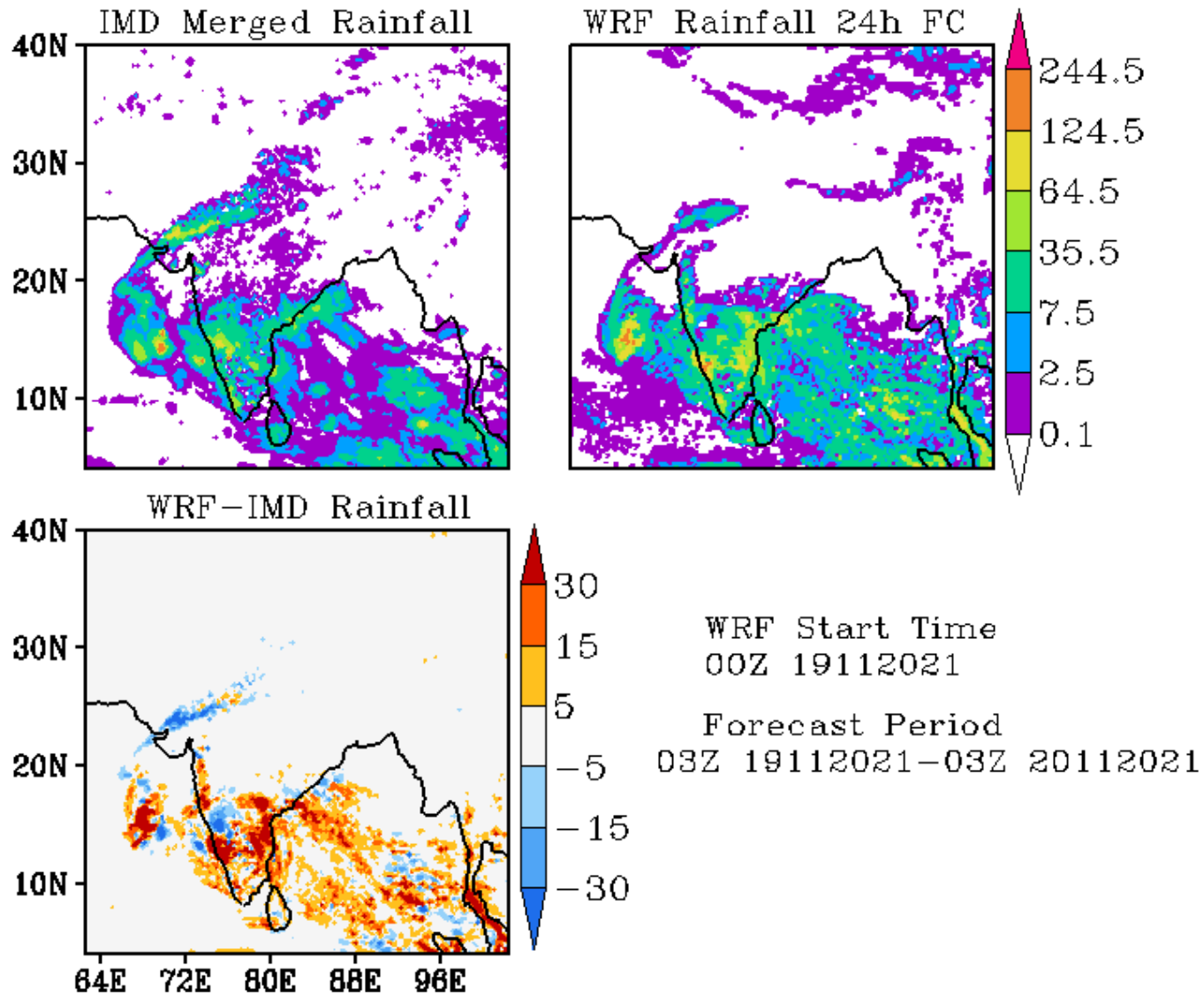


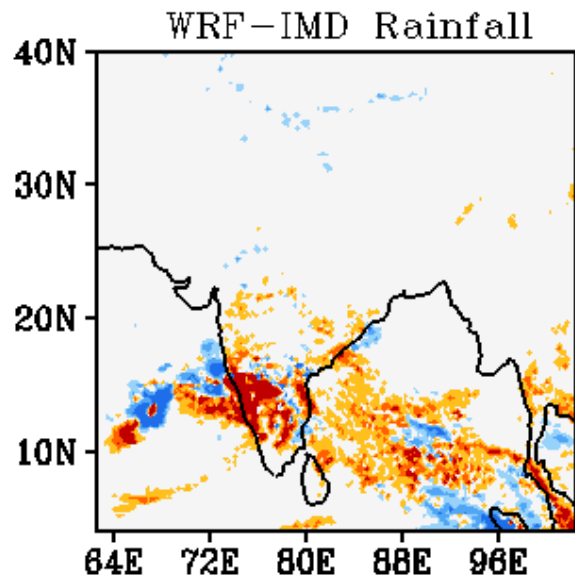
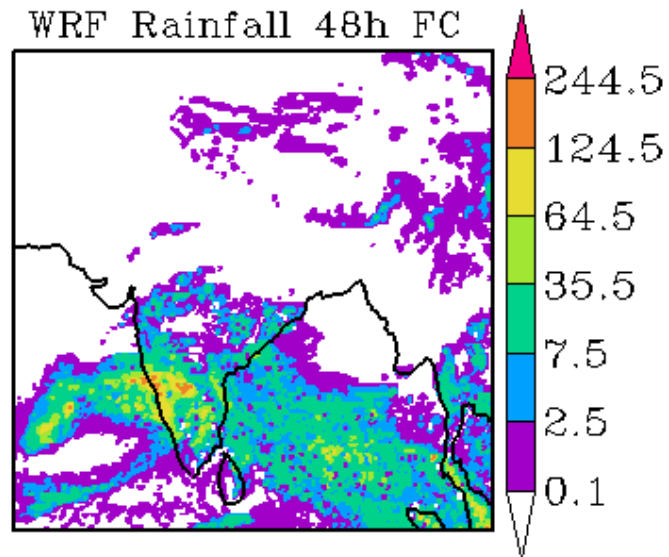
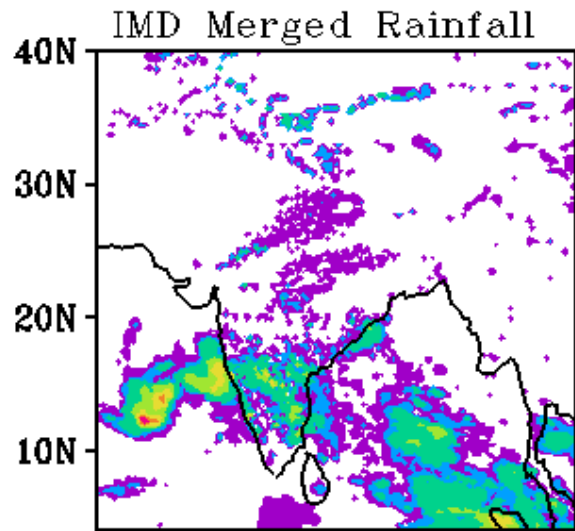






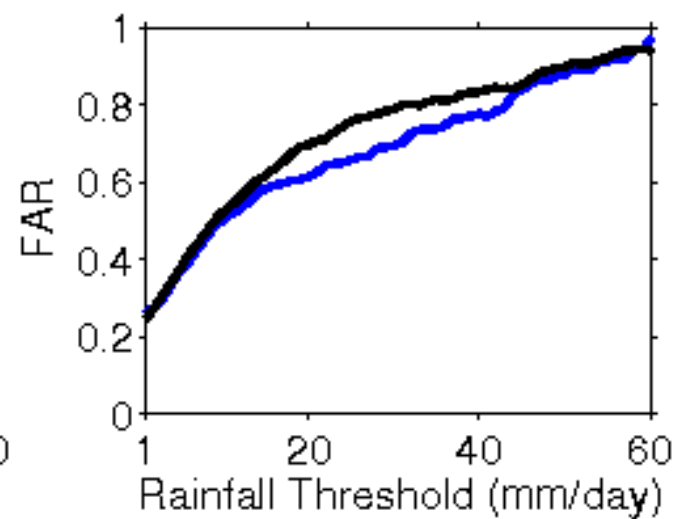
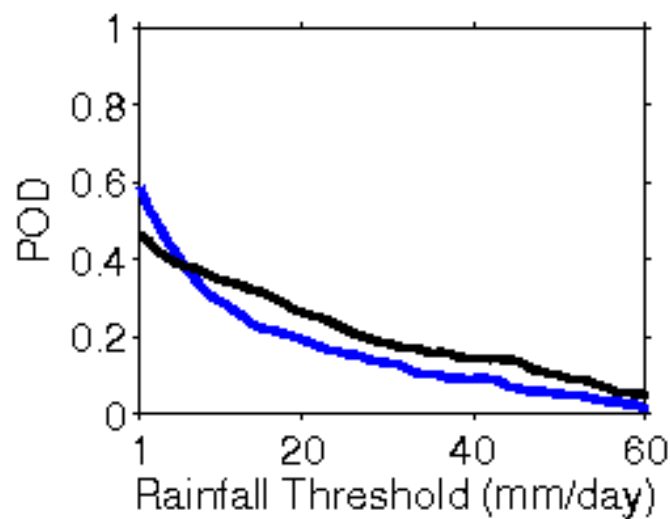
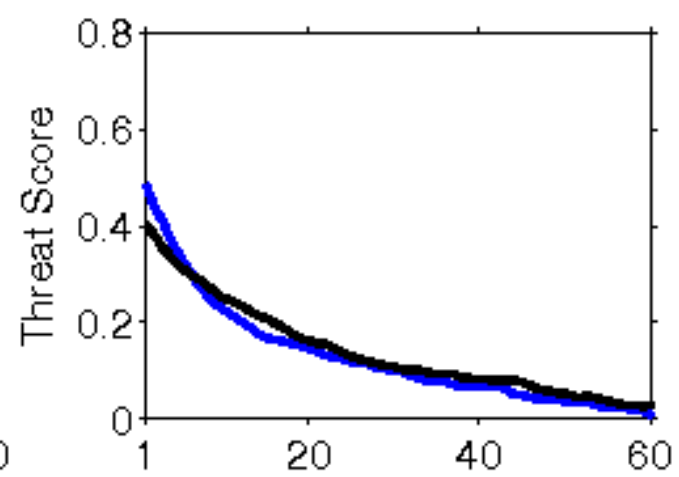
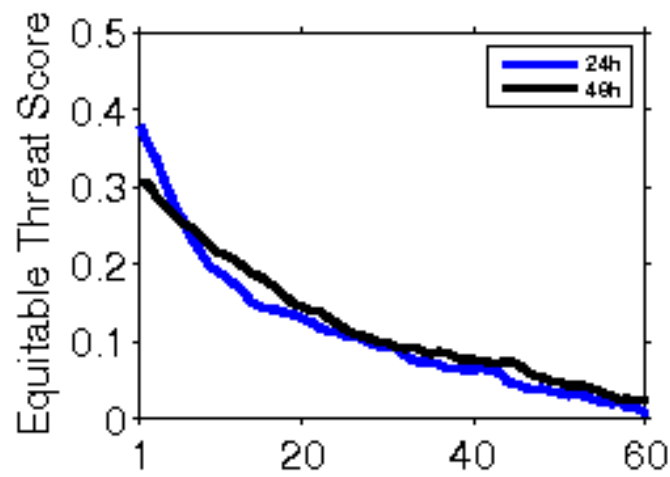


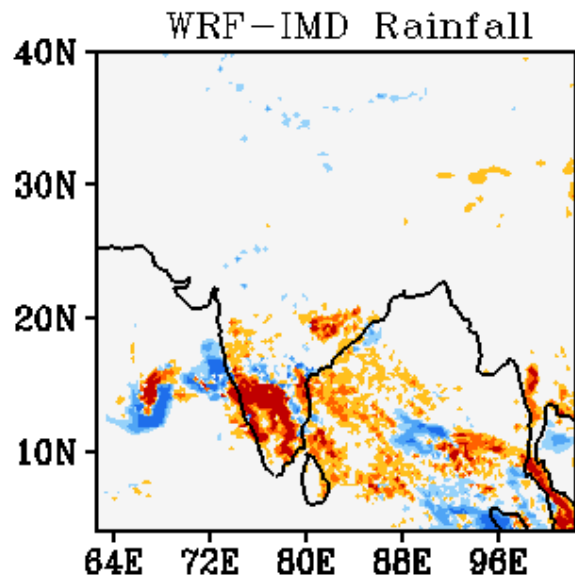
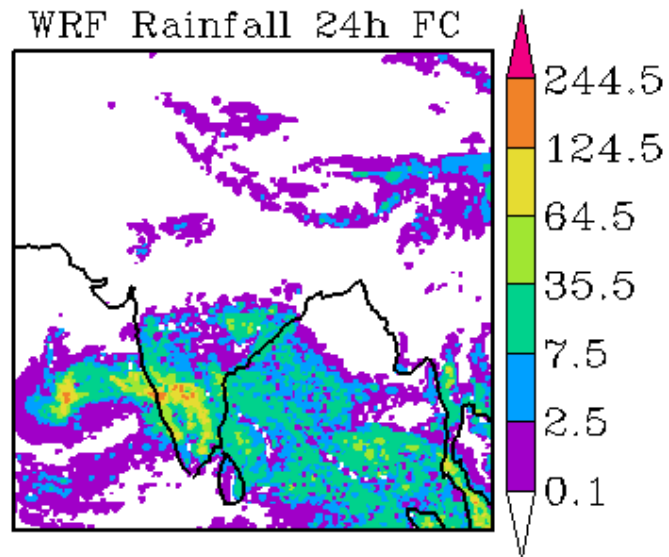
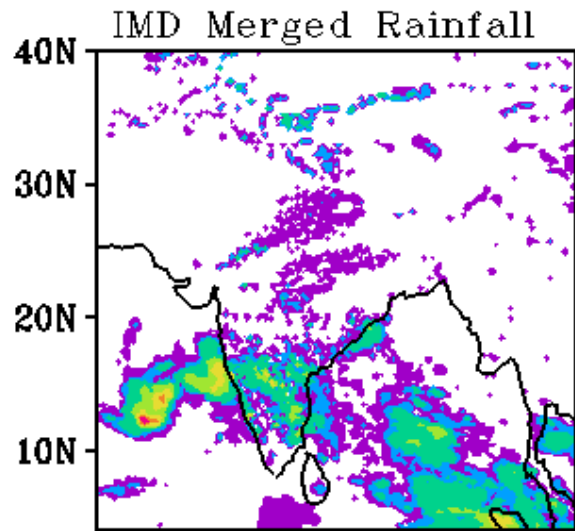




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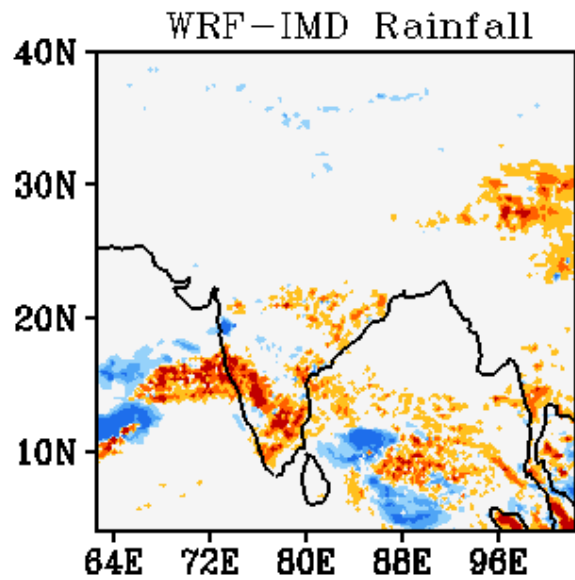
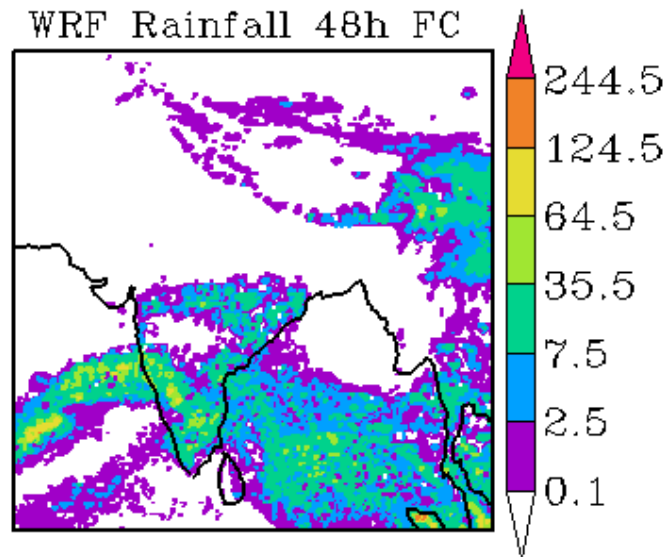
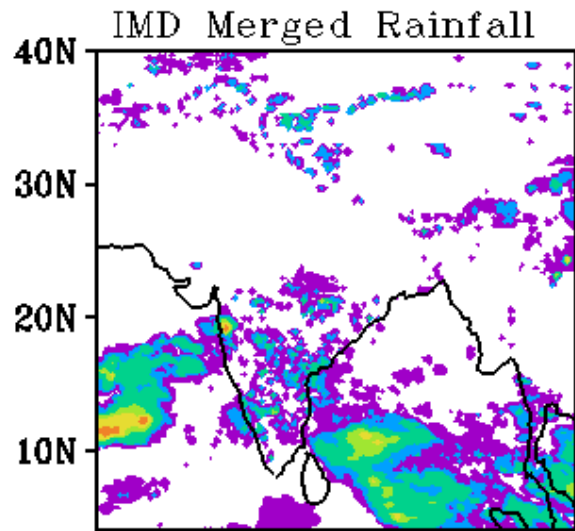
Forecast Period
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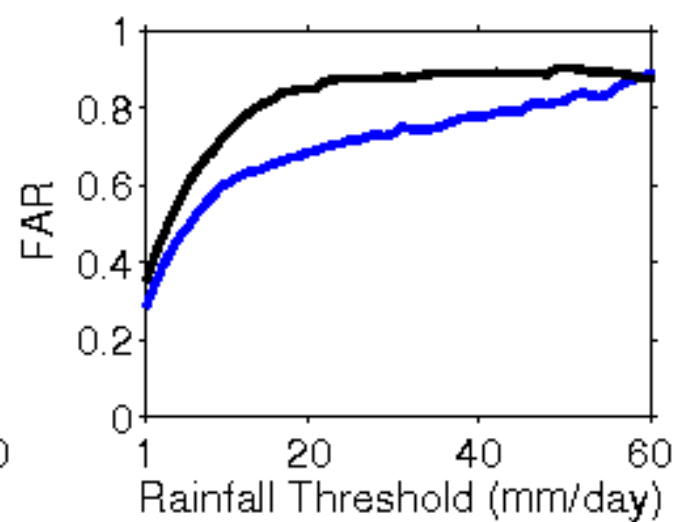
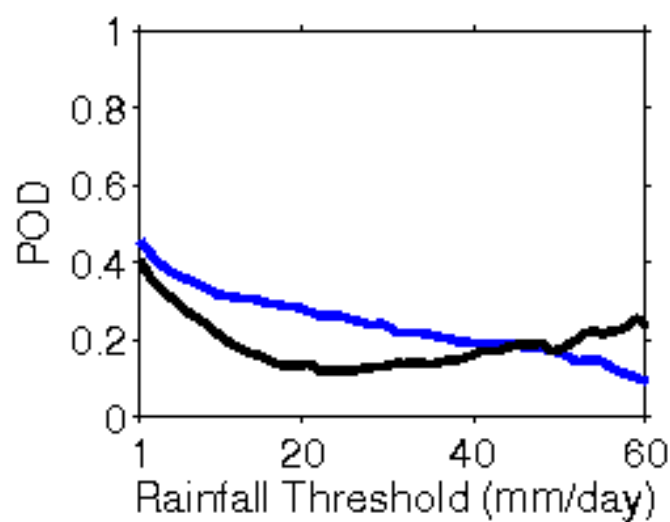
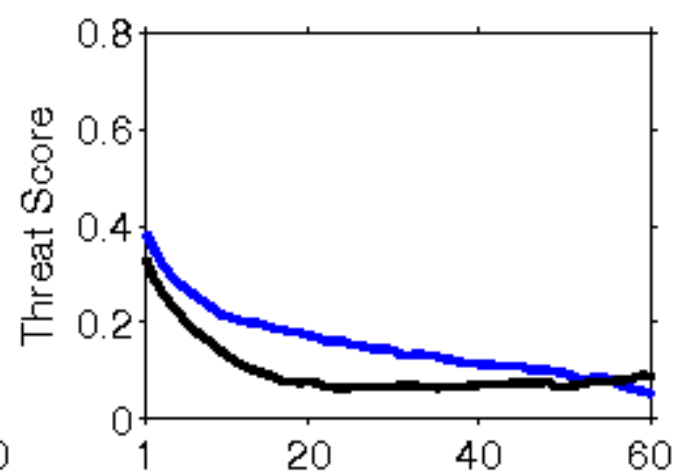
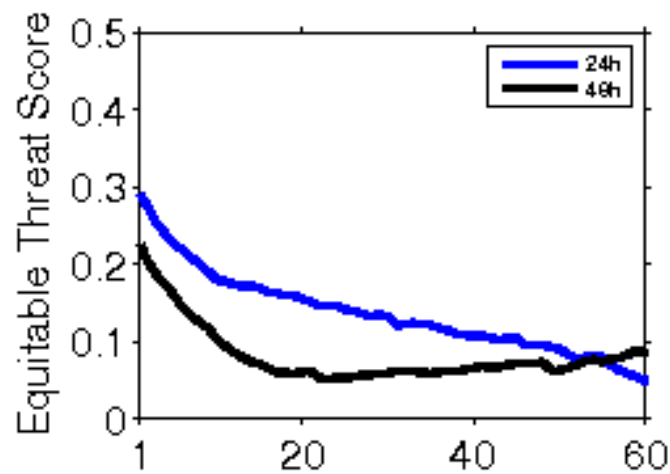
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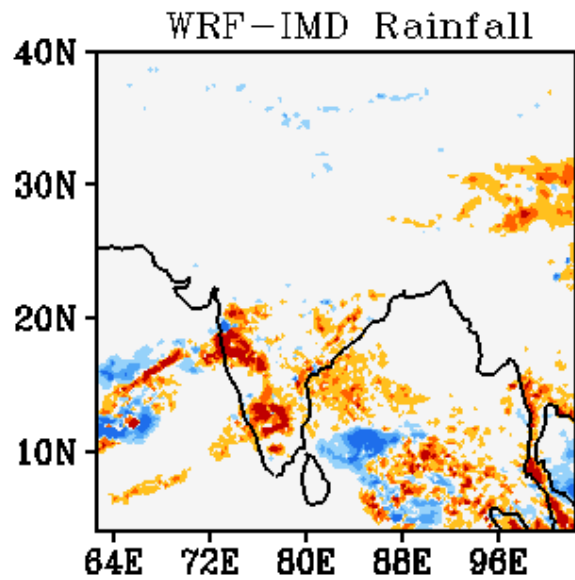
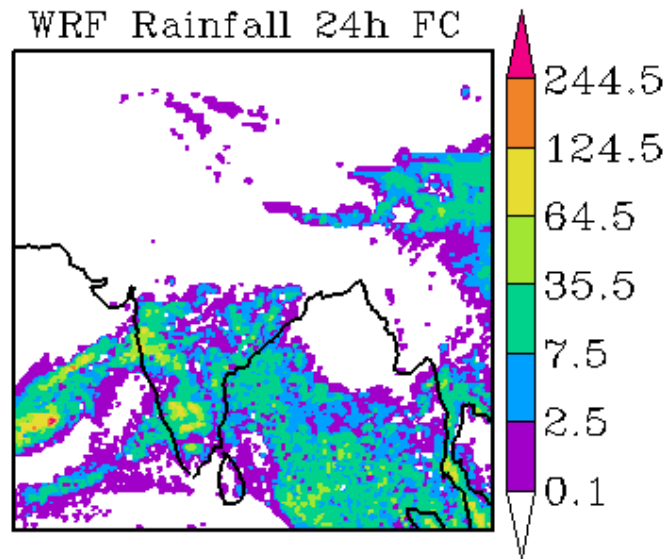
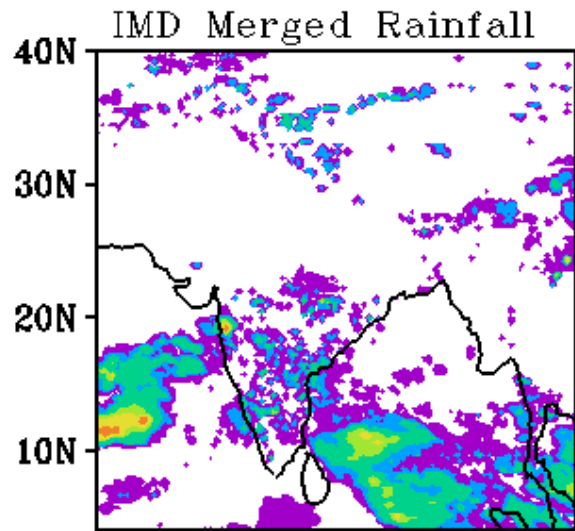
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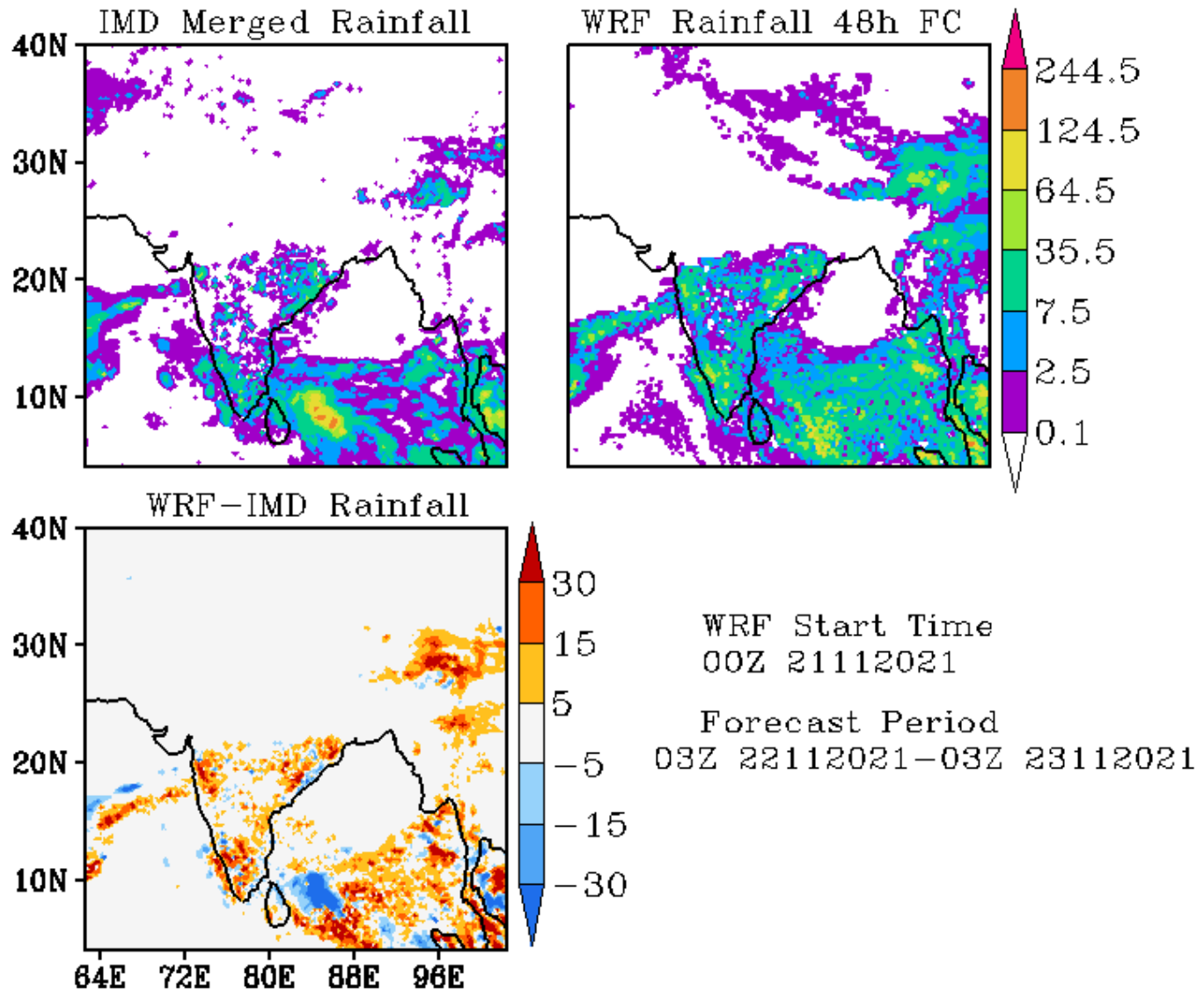
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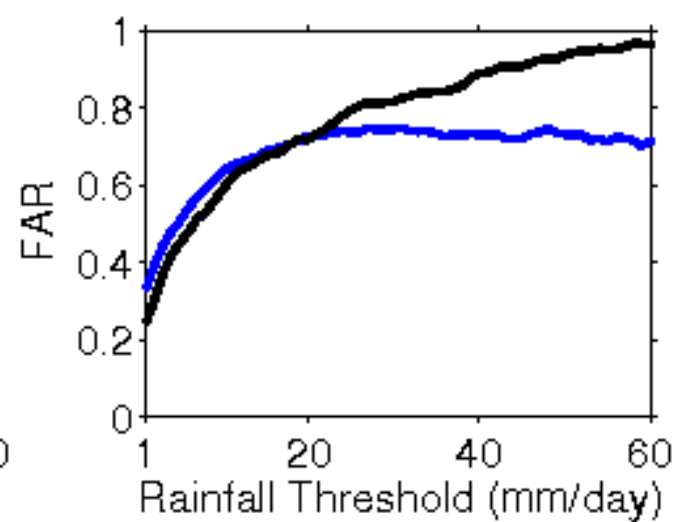
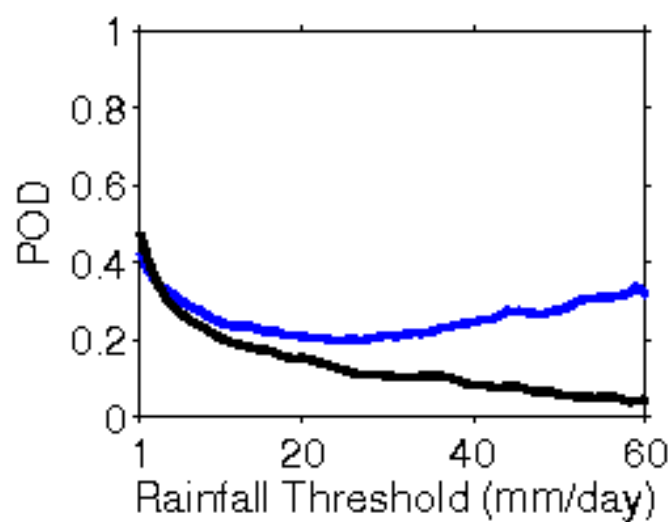
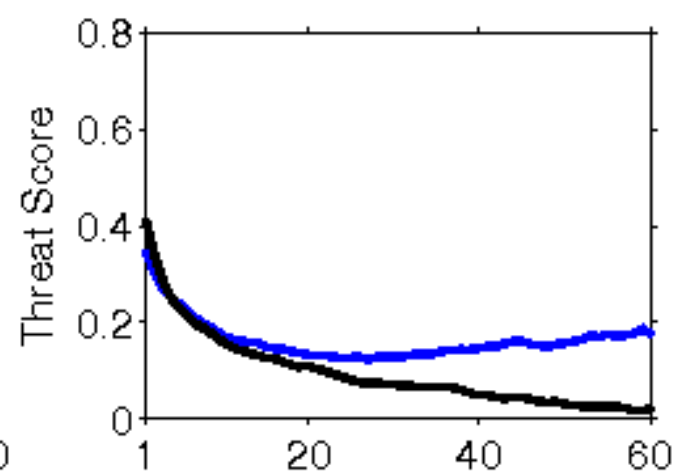
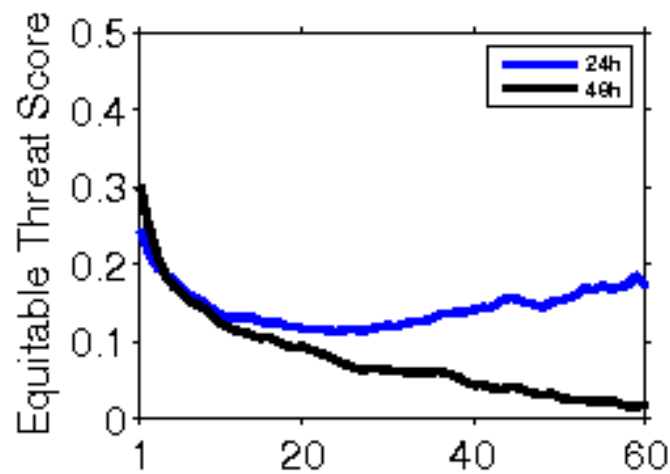


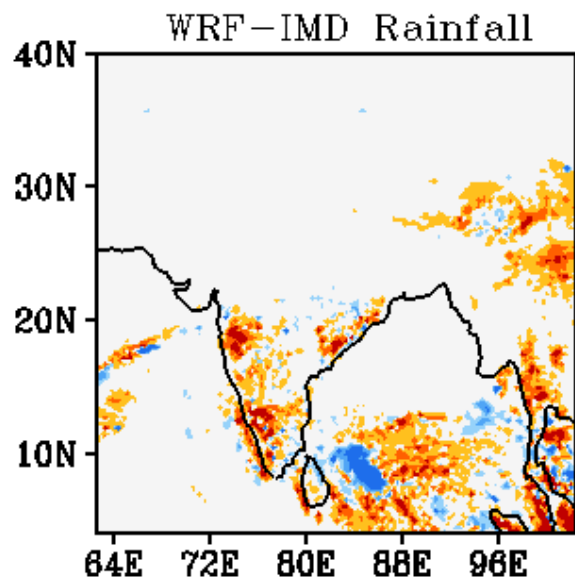
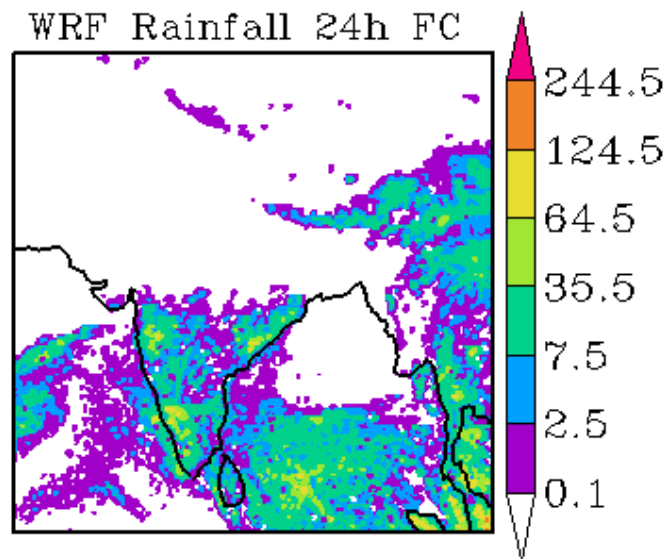
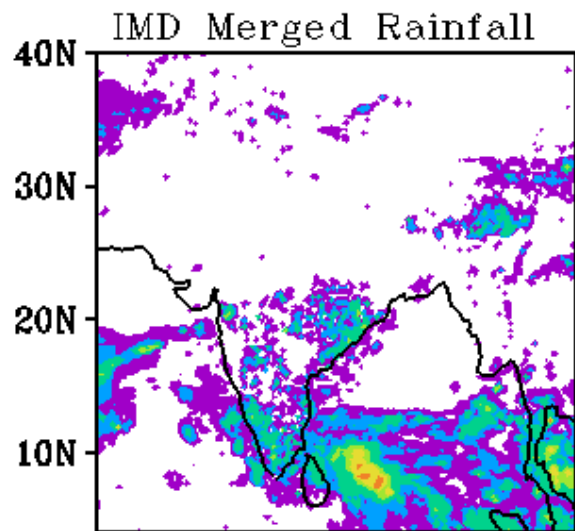


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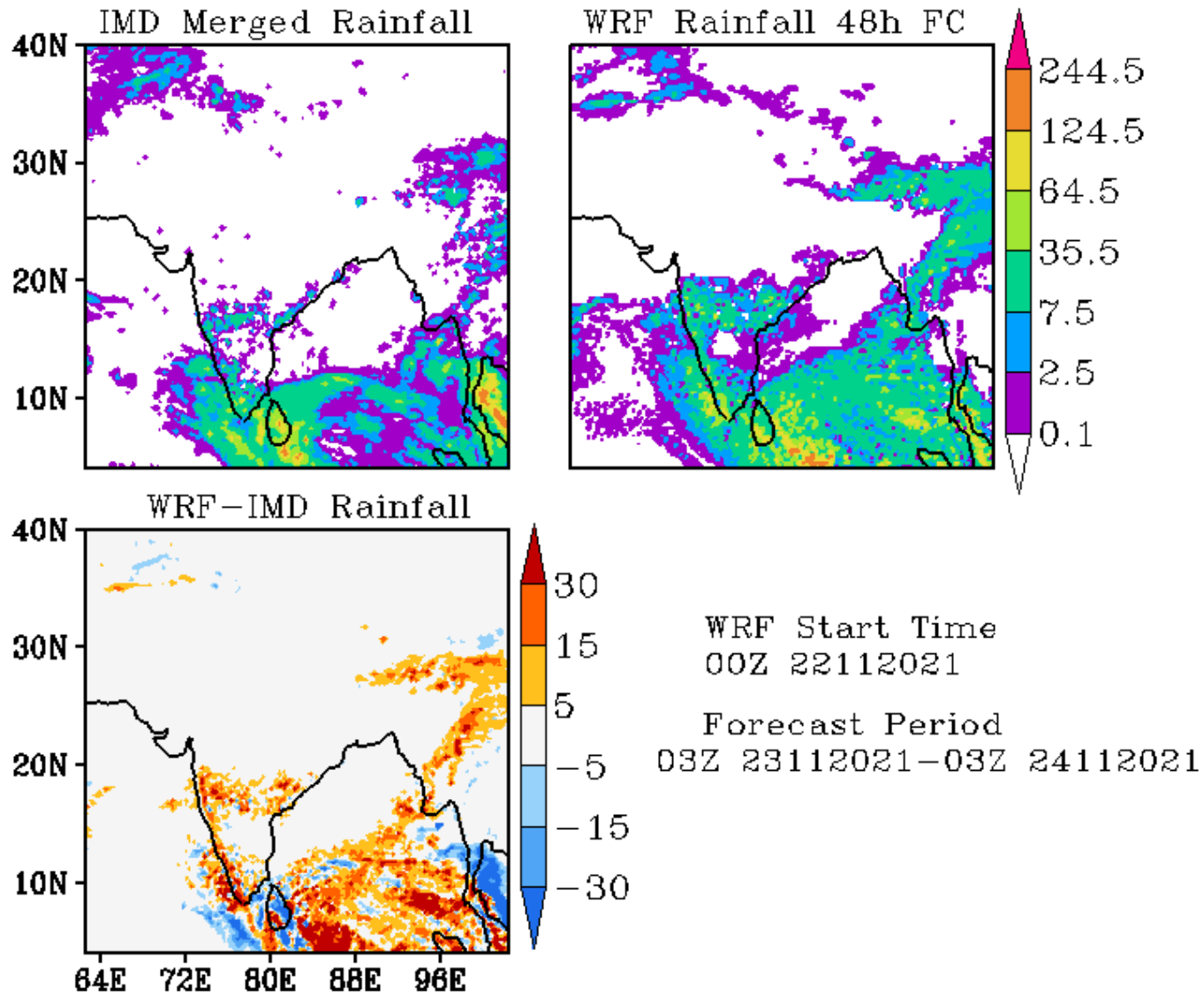


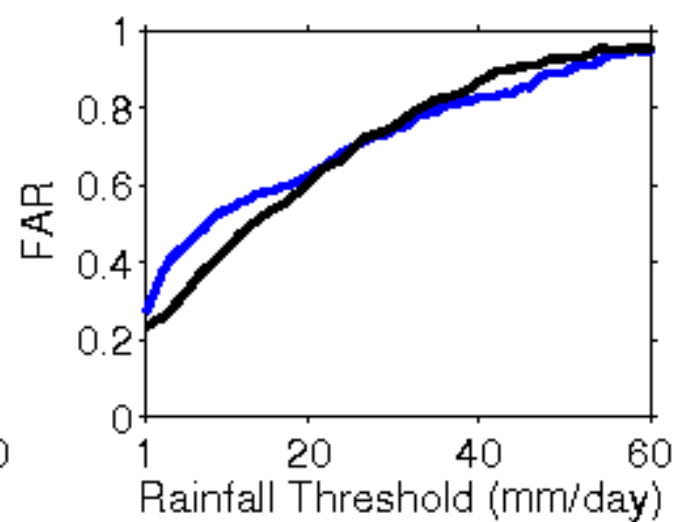
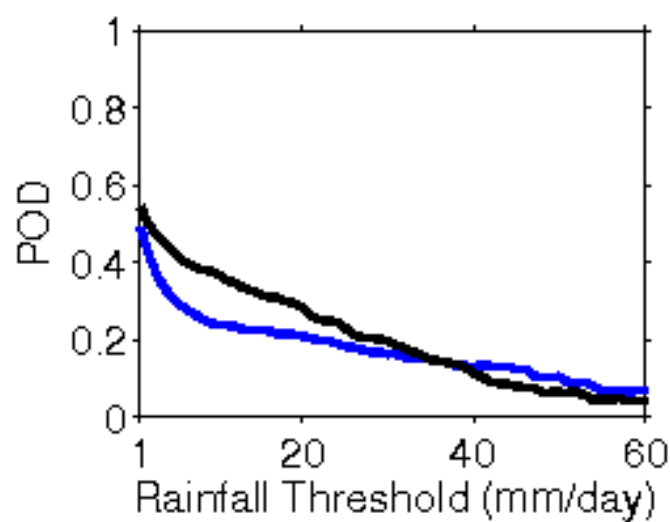
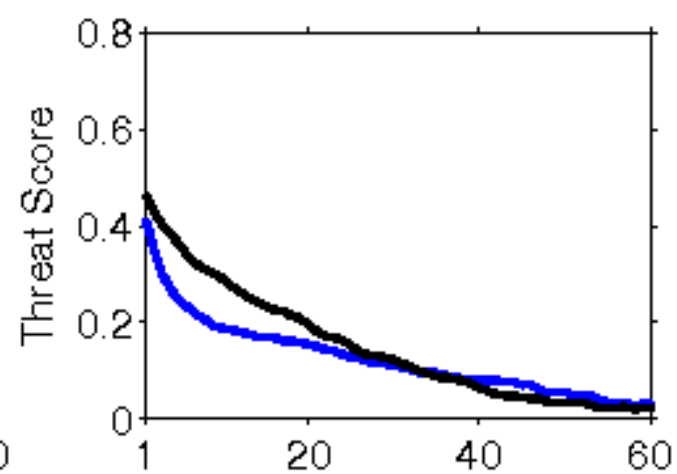
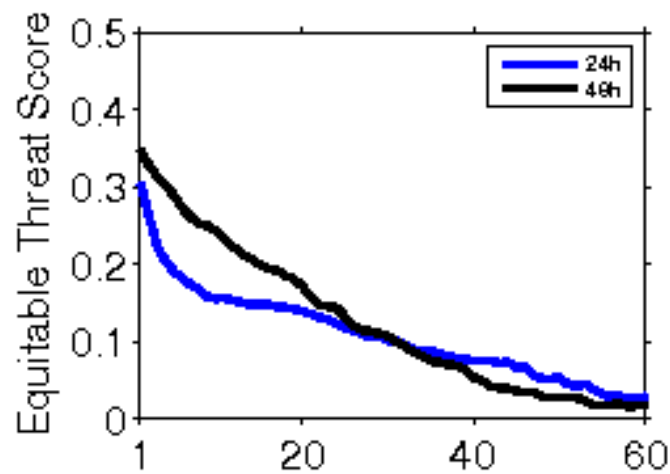


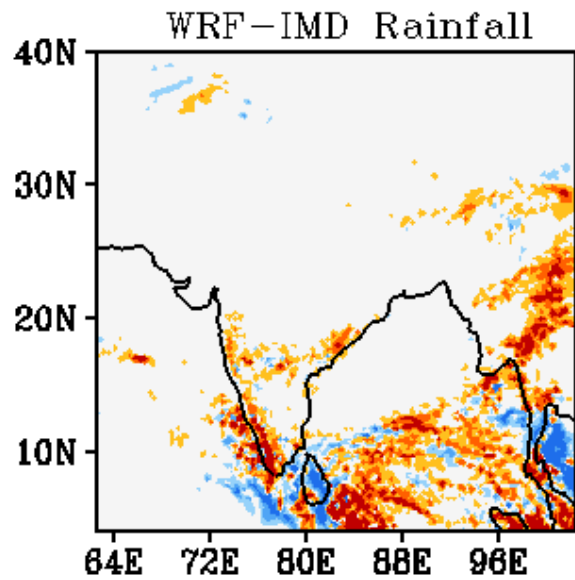
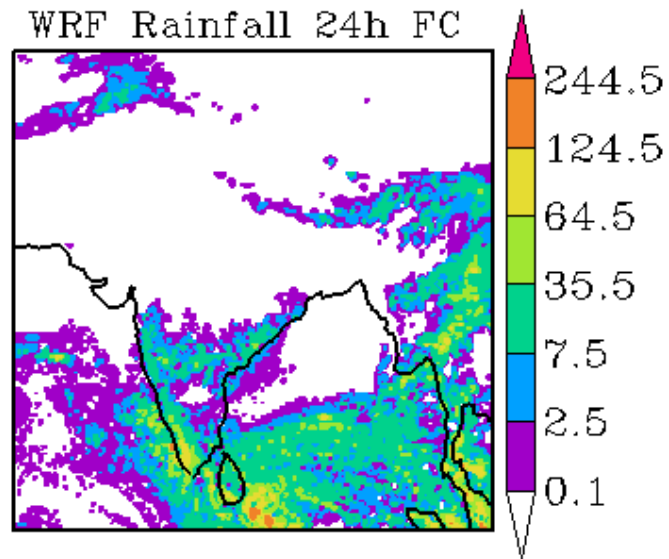
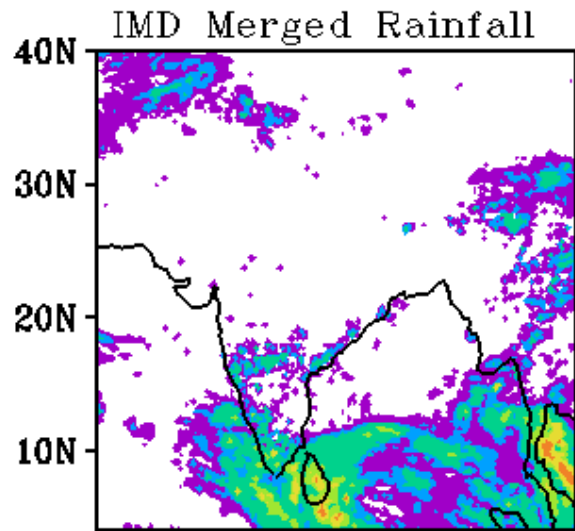


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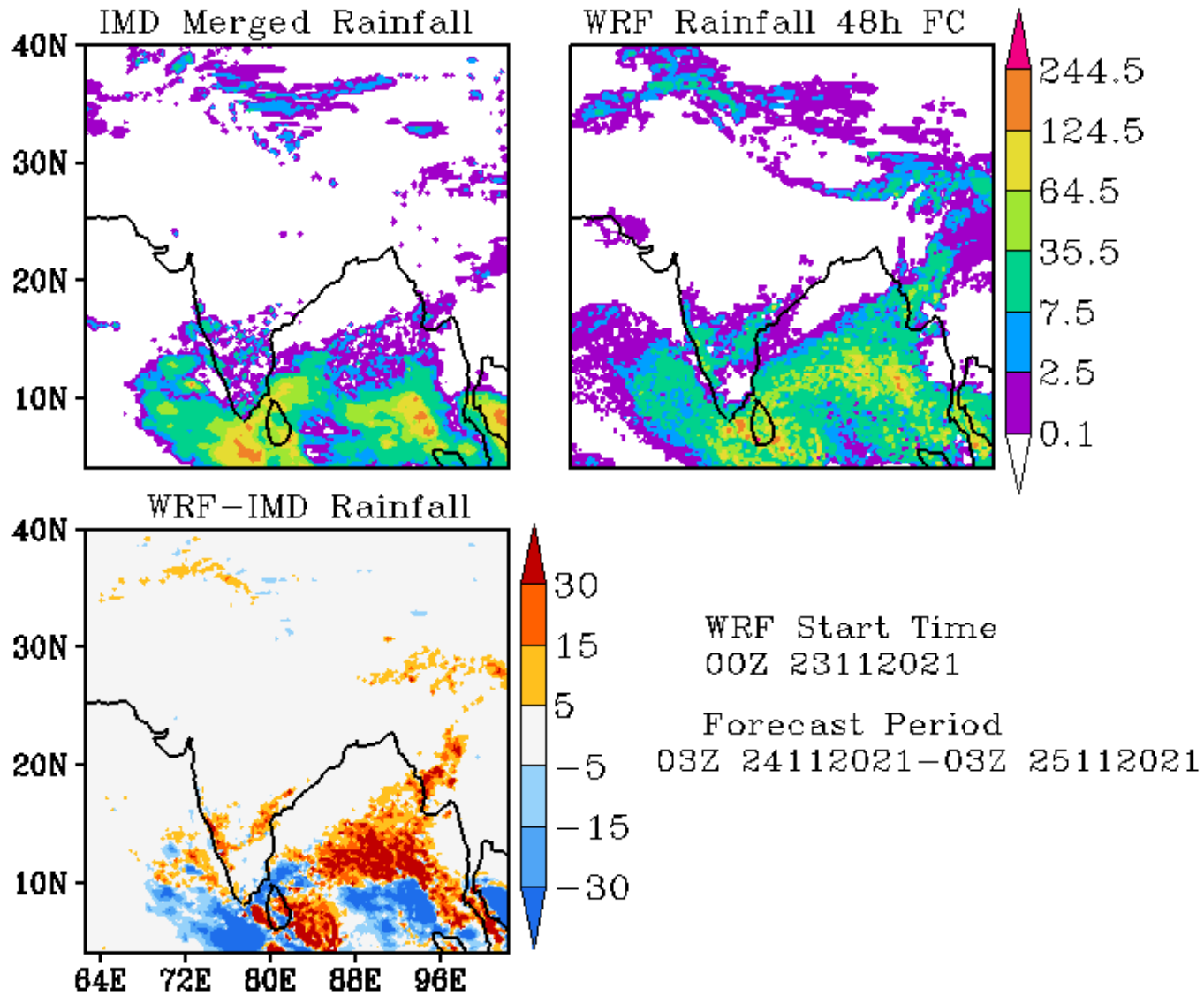


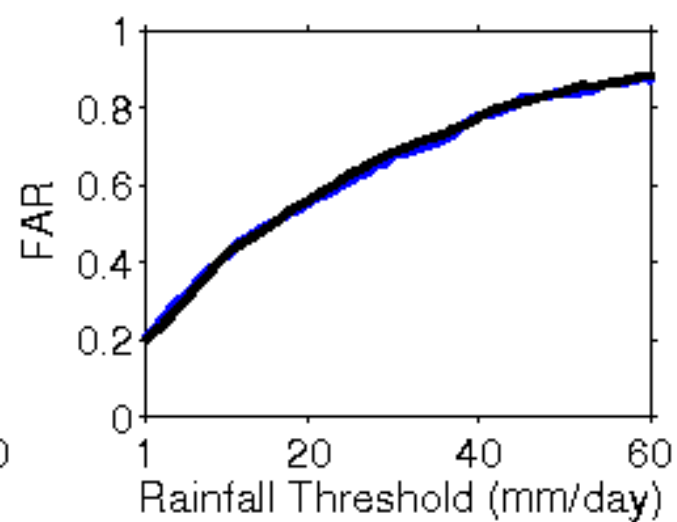
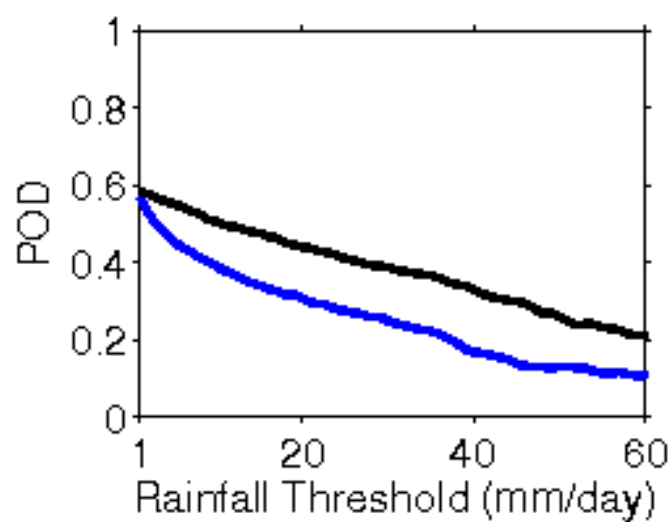
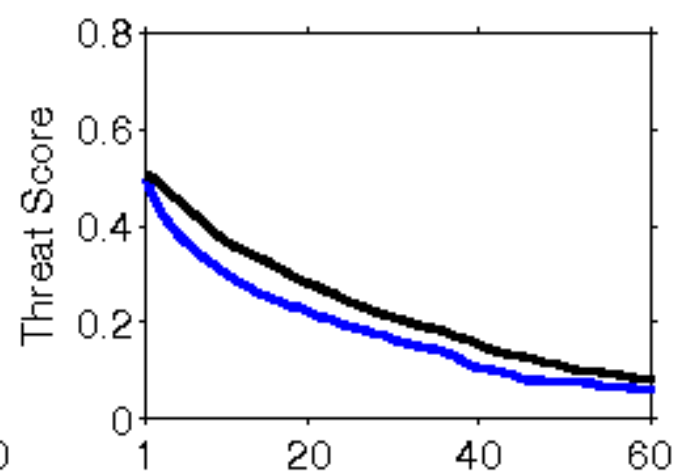
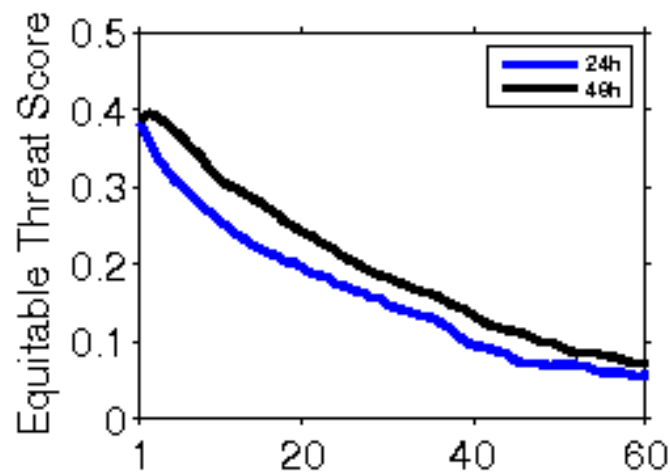


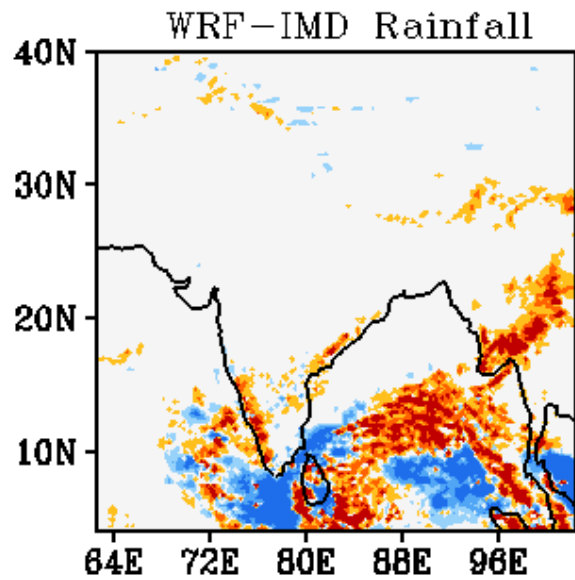
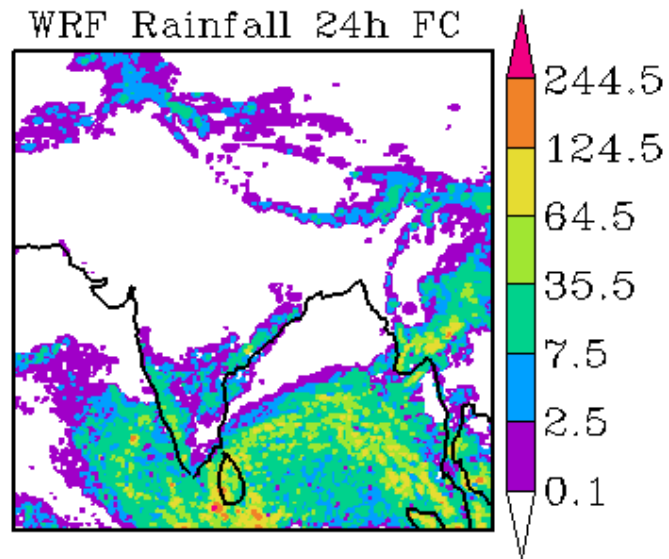
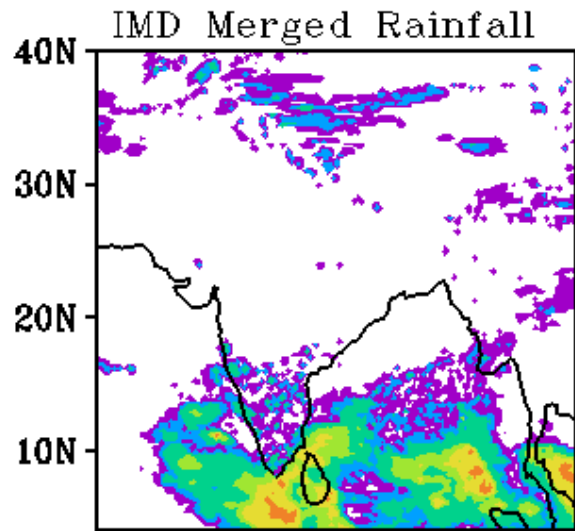


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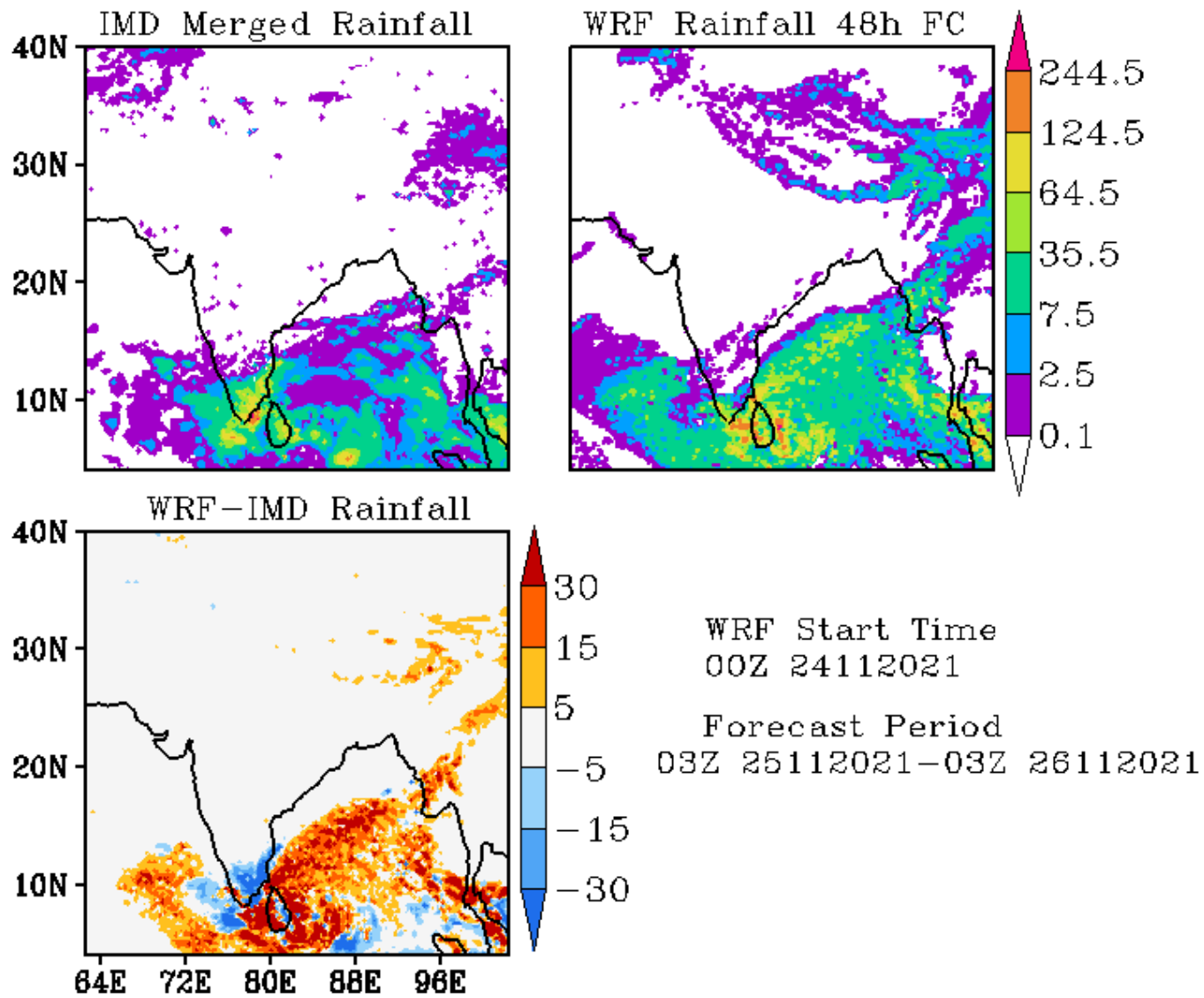


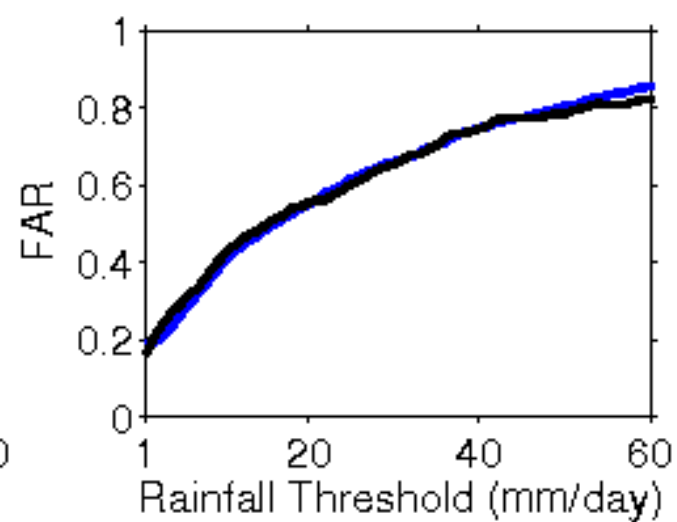
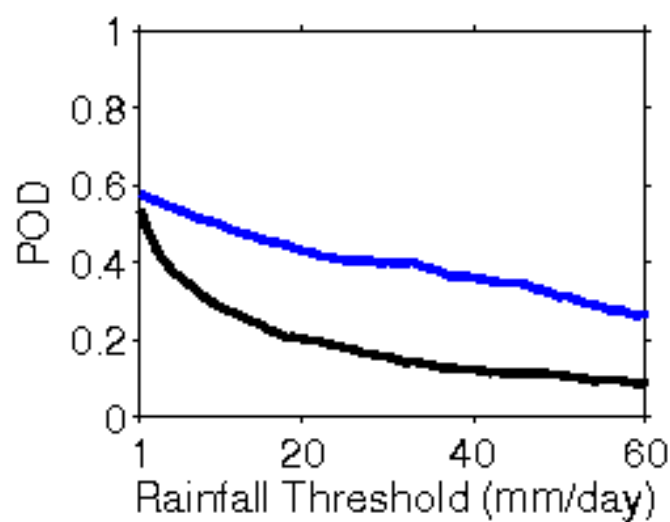
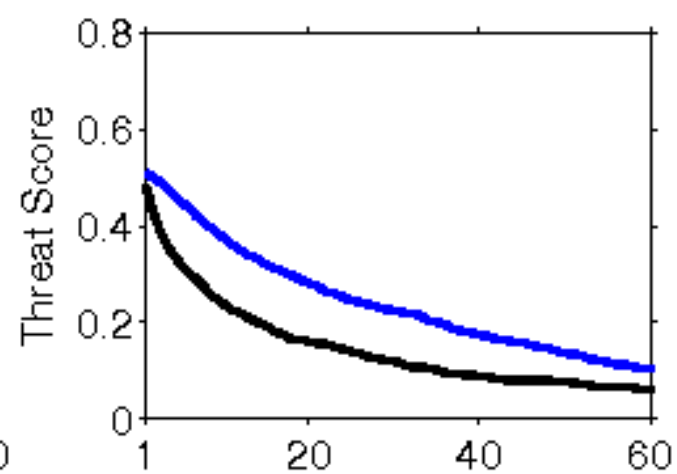
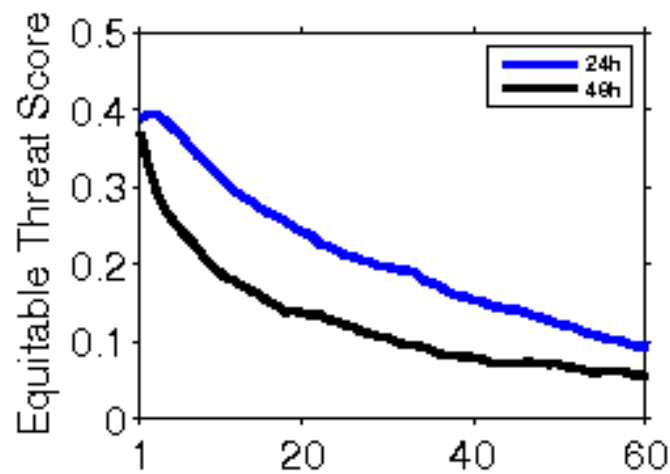


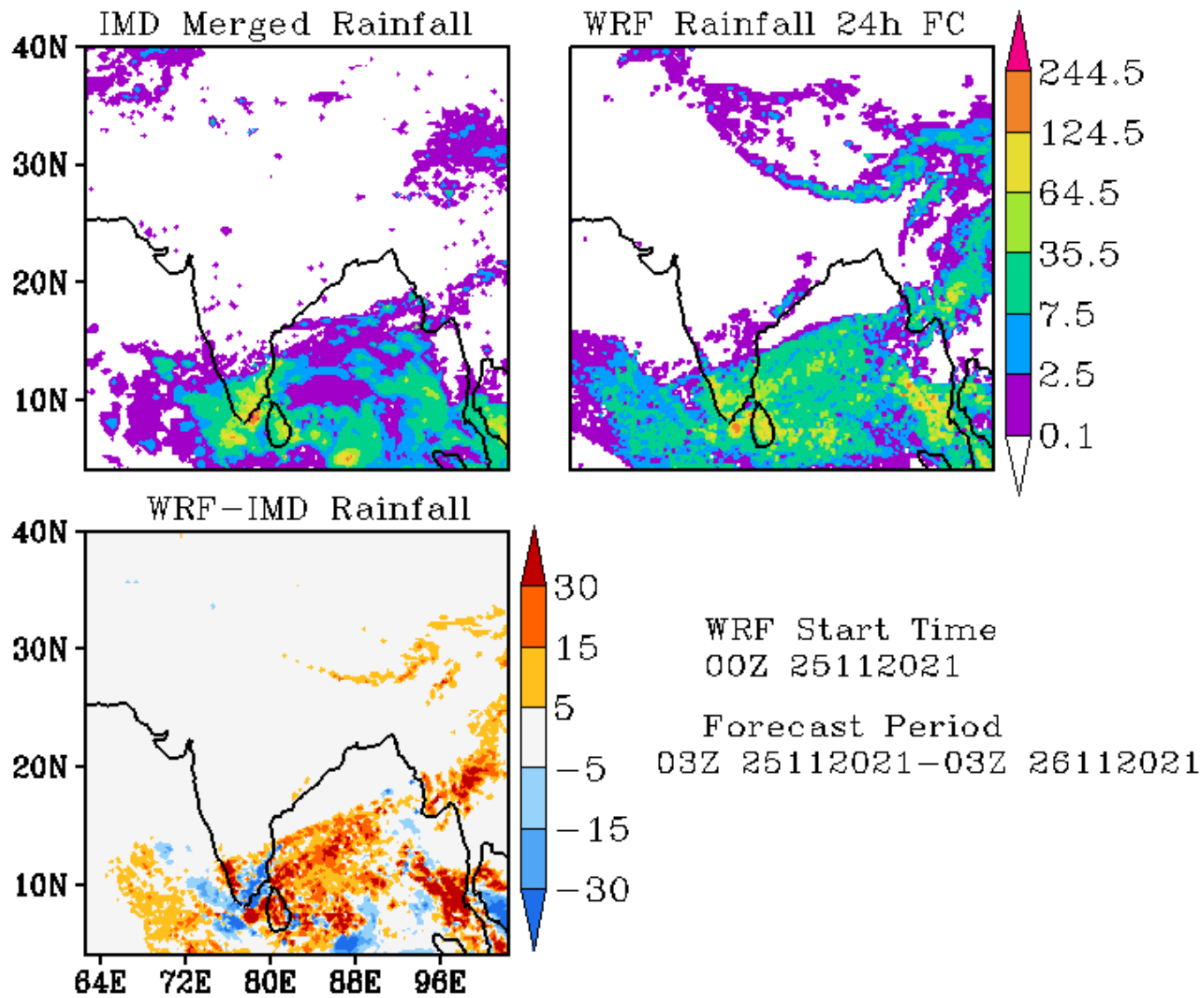


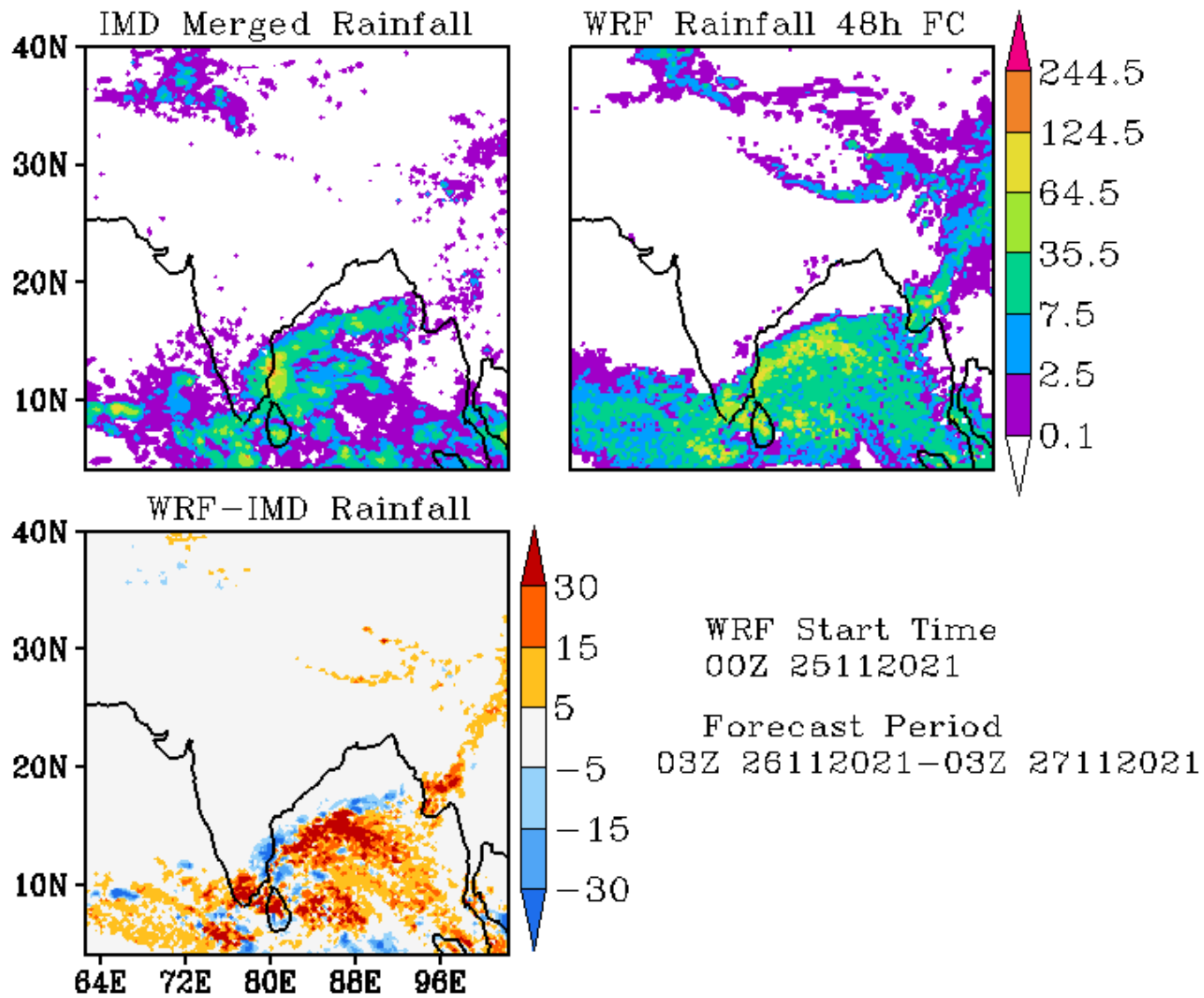
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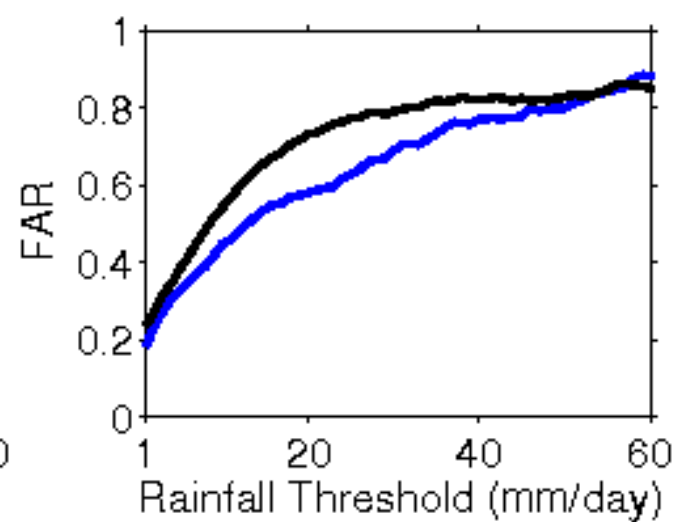
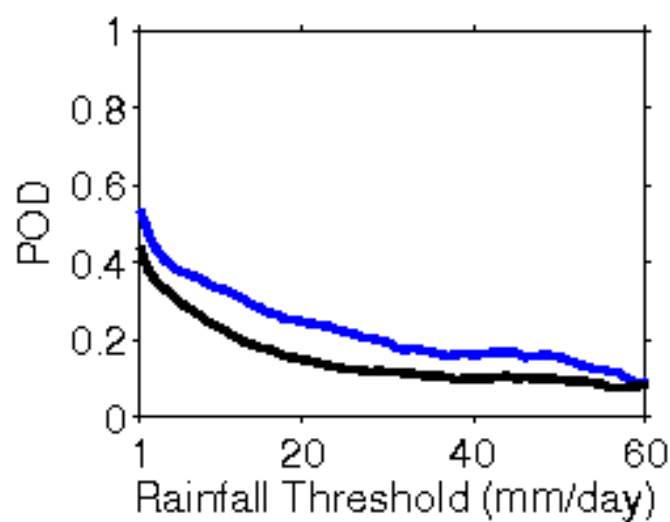
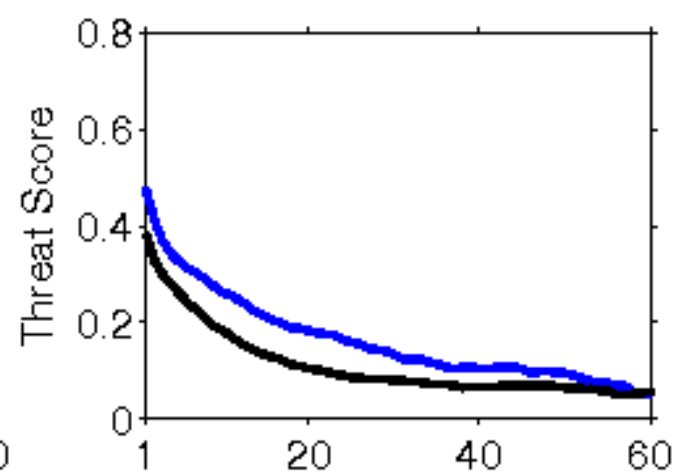
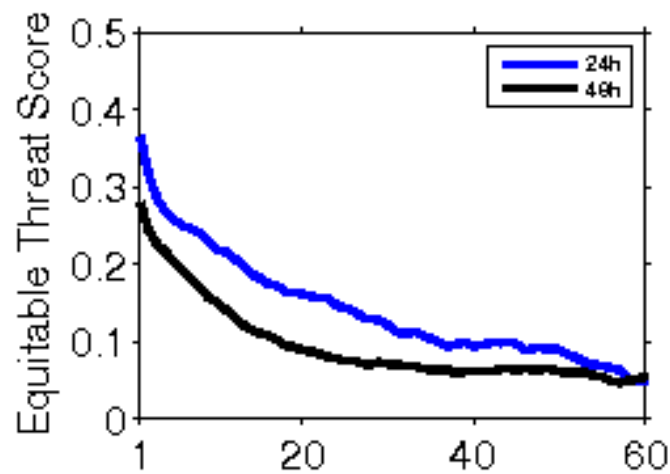
Forecast Period
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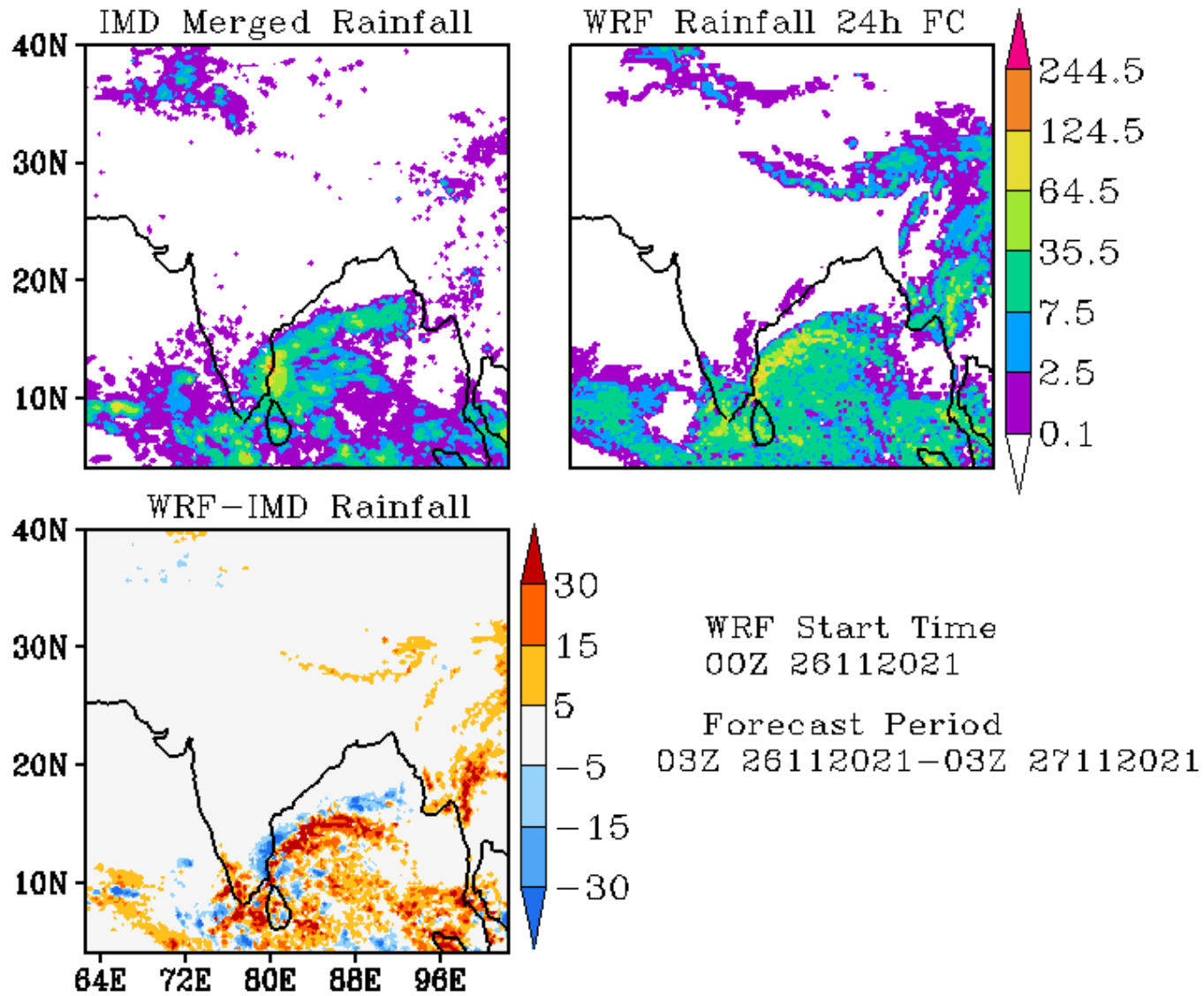


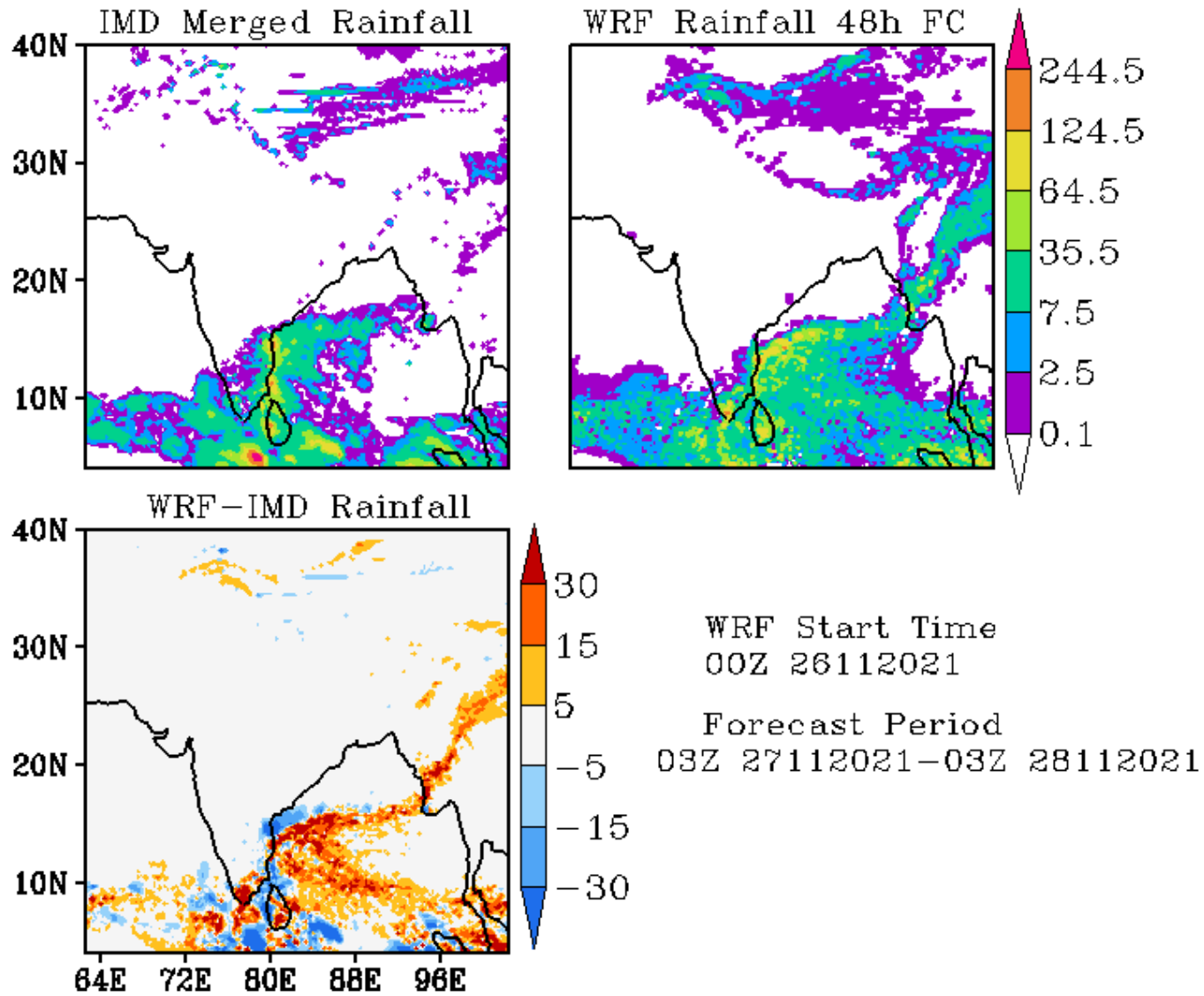


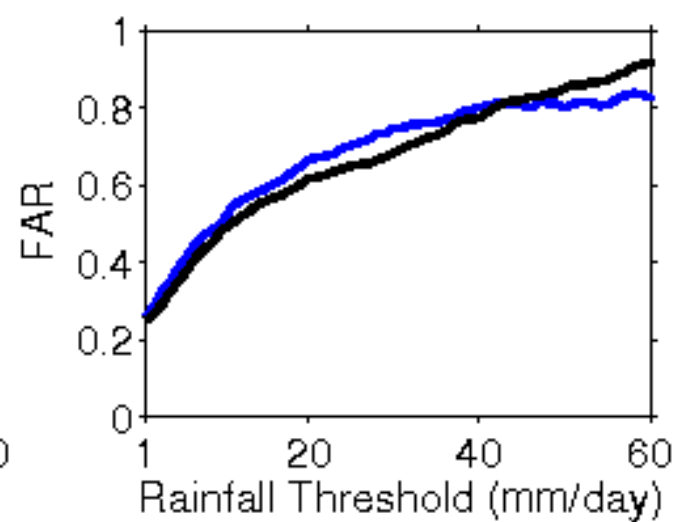
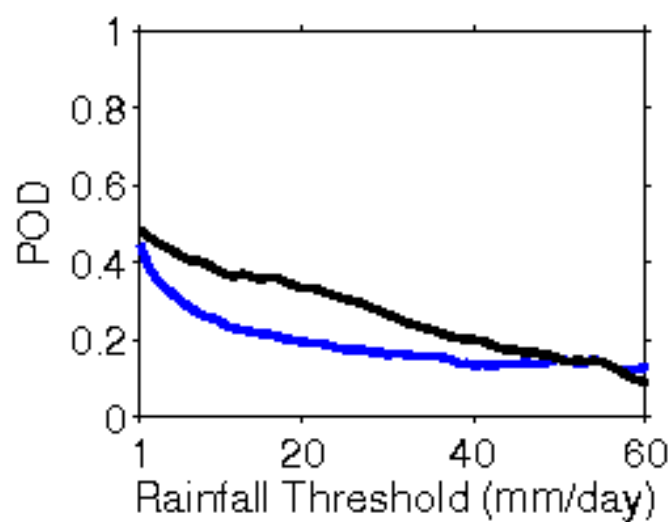
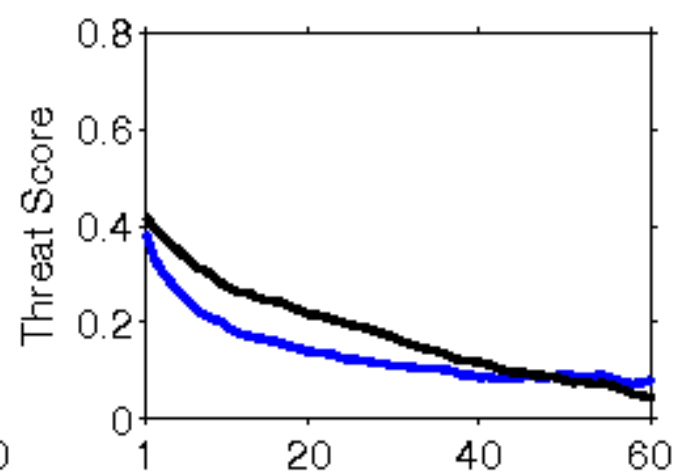
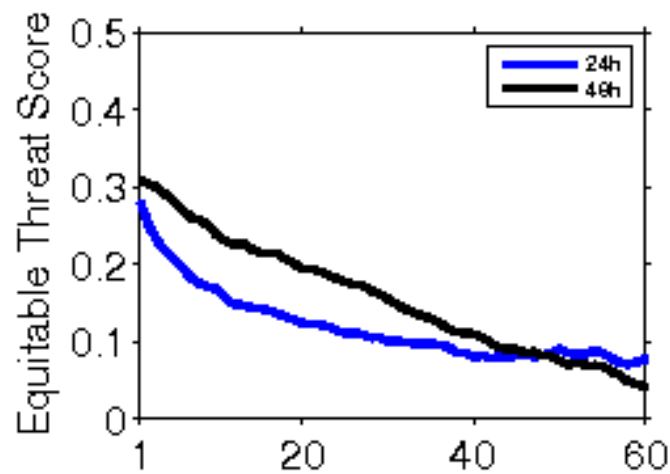


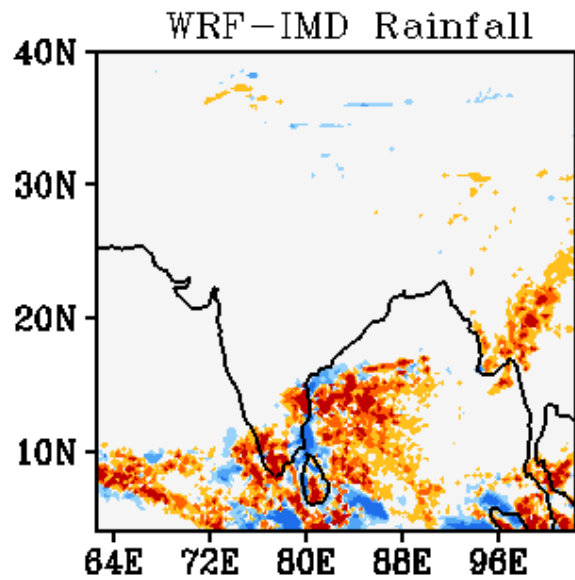
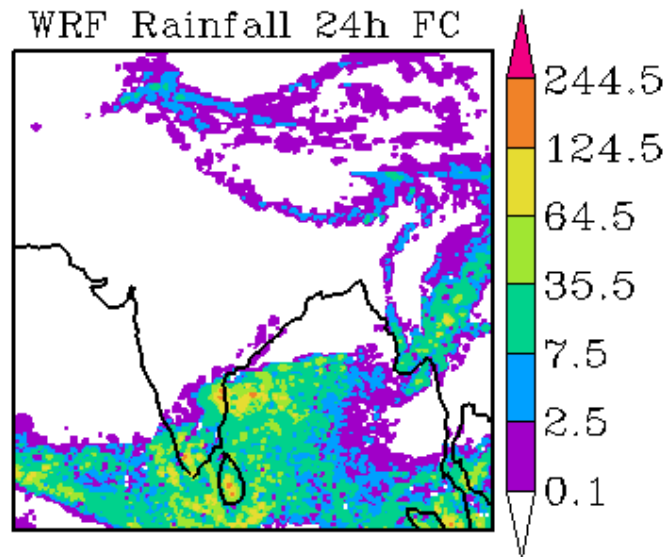
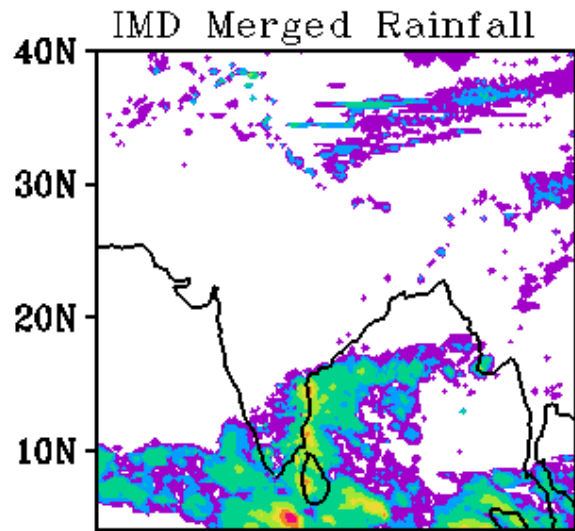






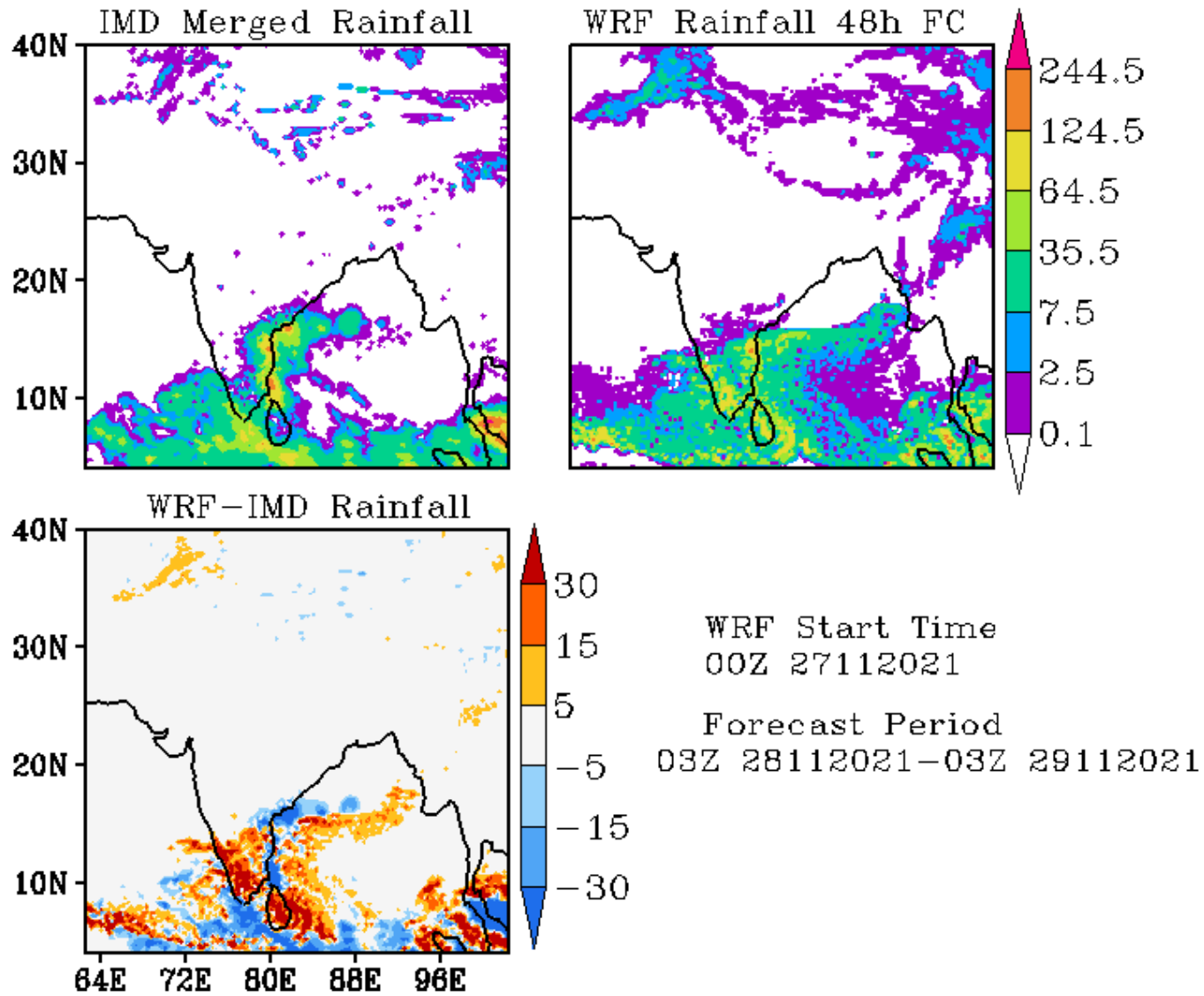


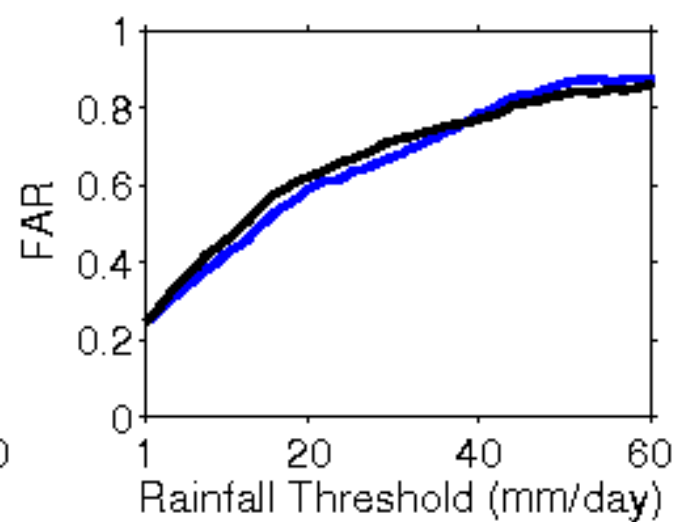
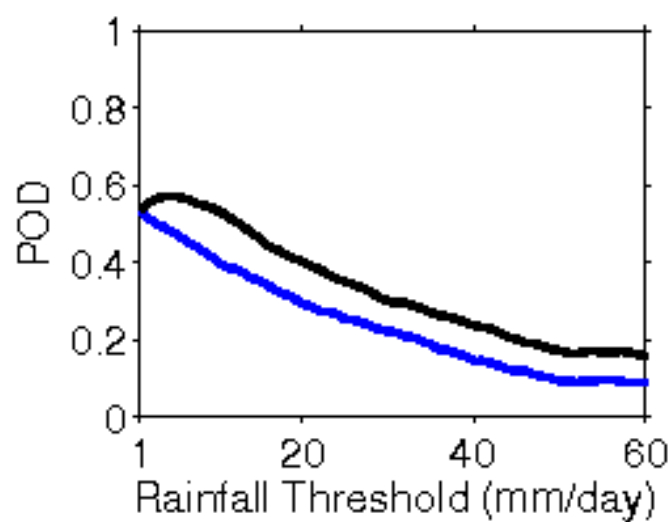
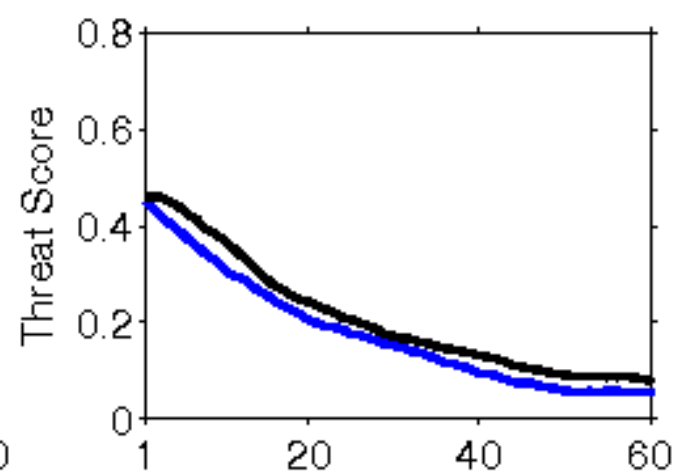
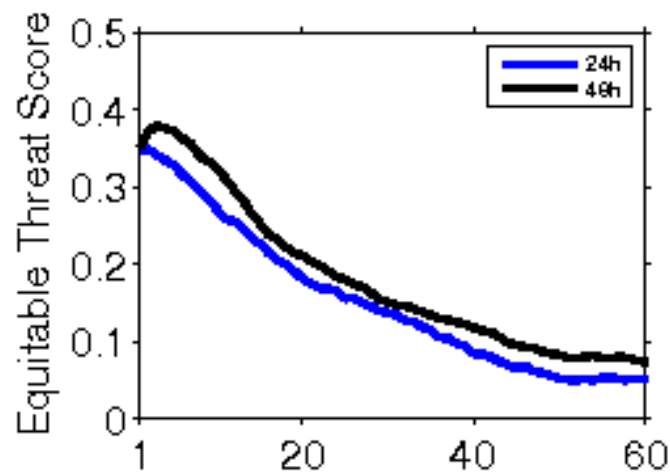


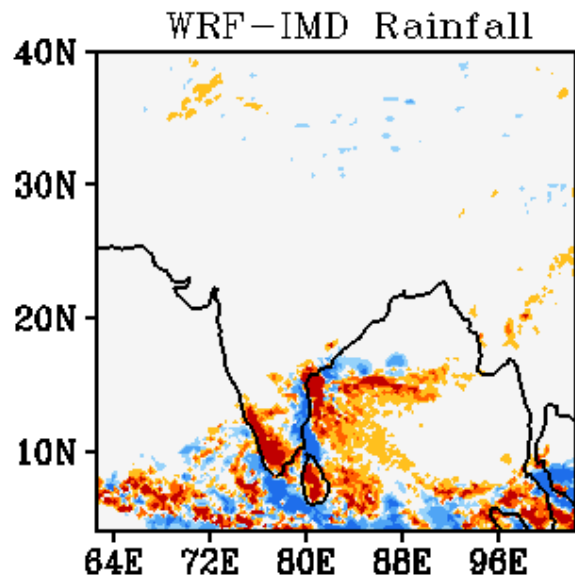
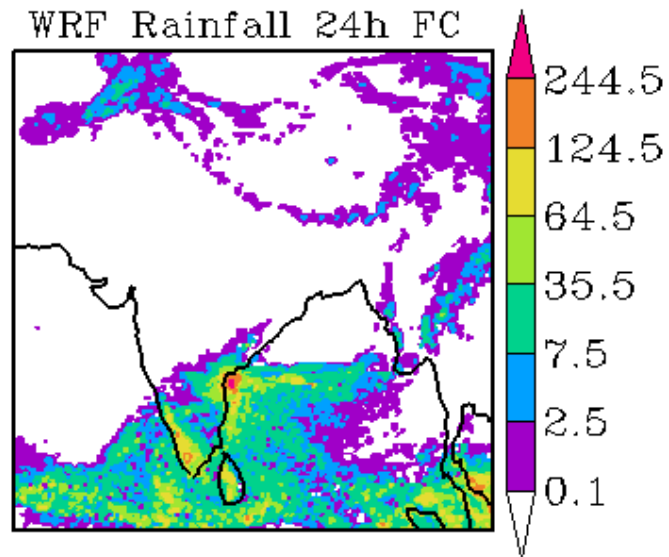
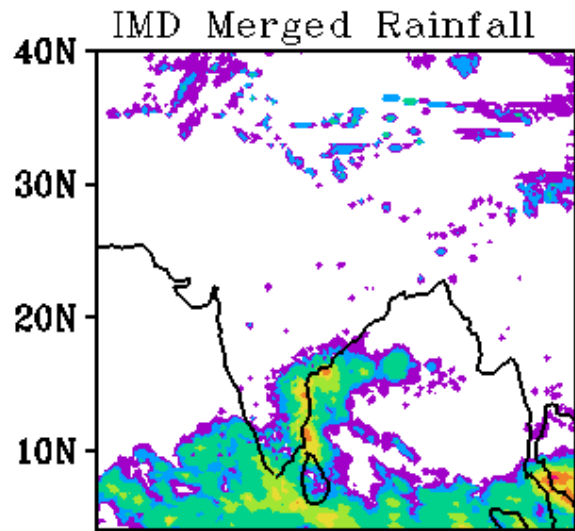


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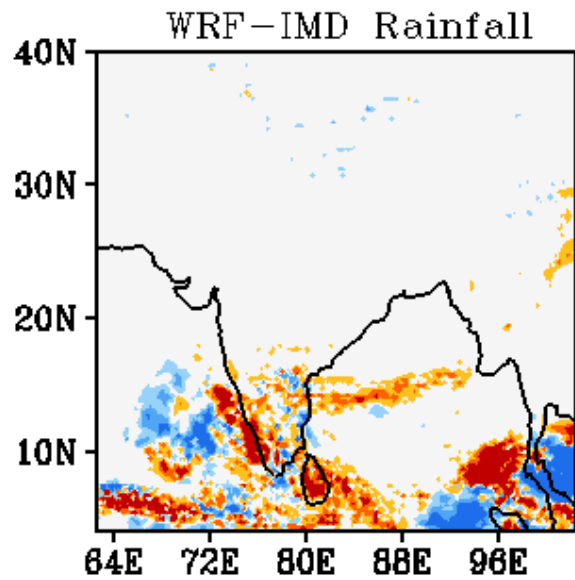
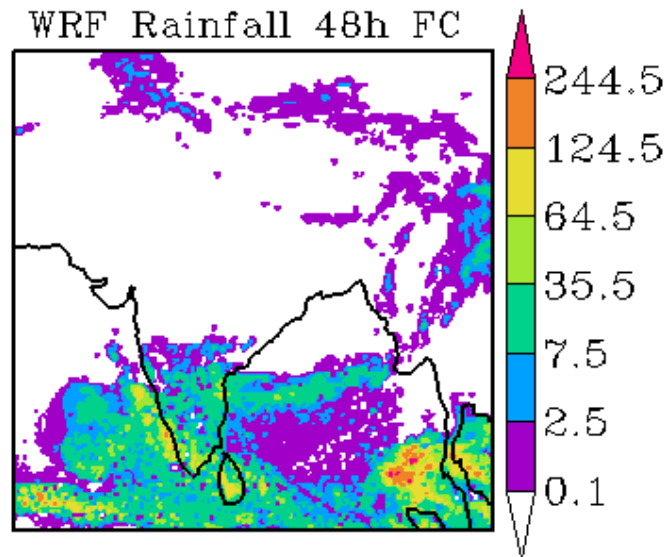
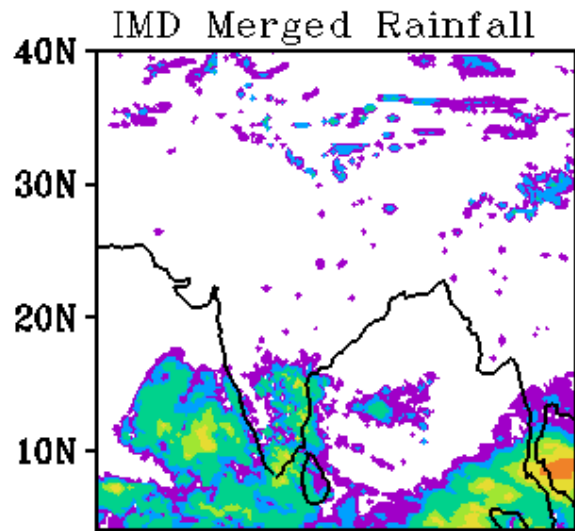






WRF Start Time
00Z 28112021

Forecast Period
03Z 28112021-03Z 29112021



WRF Start Time
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Forecast Period
03Z 29112021-03Z 30112021

