

Error Statistics in Surface Meteorological Parameter
 Validation Time 0000 UTC 01-12-21
 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	1.87(-0.36)	13.81(5.57)	2.23(1.08)
48 Hour	2.22(-0.34)	19.47(6.31)	3.13(1.47)
72 Hour	2.69(-0.21)	23.38(5.23)	3.48(1.59)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 02-12-21

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	1.83(-0.41)	14.88(6.91)	2.38(1.07)
48 Hour	2.96(-0.58)	22.11(5.87)	3.25(1.65)
72 Hour	3.61(-0.75)	21.52(3.39)	3.30(1.65)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 03-12-21

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(-0.57)	13.47(5.10)	2.13(0.88)
48 Hour	3.00(-0.67)	18.92(3.66)	2.47(1.50)
72 Hour	2.98(-0.77)	22.95(0.29)	2.85(1.59)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 04-12-21

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	1.82(-0.45)	12.84(2.45)	2.14(1.14)
48 Hour	2.23(-0.44)	20.14(0.55)	2.66(1.33)
72 Hour	2.60(-0.64)	19.07(-1.14)	3.08(1.51)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 05-12-21

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(-0.12)	14.21(4.33)	2.31(1.31)
48 Hour	2.29(0.18)	16.79(3.82)	2.76(1.43)
72 Hour	3.07(0.17)	20.43(2.63)	3.06(1.36)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 06-12-21

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	1.99(-0.33)	13.09(4.62)	2.23(1.19)
48 Hour	2.89(0.05)	19.39(5.42)	2.65(1.67)
72 Hour	3.32(0.16)	20.52(4.75)	2.76(1.55)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 07-12-21

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	1.91(-0.66)	14.43(2.32)	2.11(0.99)
48 Hour	2.71(-0.40)	18.58(0.56)	2.29(1.20)
72 Hour	2.29(-0.28)	18.77(2.31)	2.84(1.29)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 08-12-21

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	2.09(-0.37)	13.94(3.06)	1.96(0.90)
48 Hour	2.36(-0.17)	15.67(1.86)	2.57(0.90)
72 Hour	2.73(-0.12)	19.74(0.71)	2.85(1.11)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 09-12-21

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	2.04(-0.39)	13.71(3.81)	2.20(1.20)
48 Hour	2.62(0.09)	18.03(3.79)	2.60(1.32)
72 Hour	3.45(0.25)	20.65(3.86)	2.63(1.37)

Error Statistics in Surface Meteorological Parameter
 Validation Time 0000 UTC 10-12-21
 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(-0.63)	14.58(3.08)	2.00(0.98)
48 Hour	2.70(-0.37)	17.08(2.12)	2.20(1.01)
72 Hour	3.18(-0.02)	18.95(3.21)	2.30(1.28)

Error Statistics in Surface Meteorological Parameter
 Validation Time 0000 UTC 11-12-21
 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	2.19(-0.58)	14.87(2.51)	1.93(0.84)
48 Hour	2.66(-0.50)	17.35(2.81)	2.22(0.83)
72 Hour	3.09(-0.40)	18.15(1.16)	2.63(0.99)

Error Statistics in Surface Meteorological Parameter
 Validation Time 0000 UTC 12-12-21
 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	2.28(-0.14)	14.87(4.78)	2.02(1.01)
48 Hour	3.13(0.04)	15.96(3.58)	2.48(1.09)
72 Hour	3.33(-0.26)	19.57(2.16)	2.78(0.96)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 13-12-21

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	2.25(-0.25)	15.02(5.71)	2.16(1.20)
48 Hour	2.28(0.30)	17.14(4.95)	2.62(1.34)
72 Hour	2.73(0.46)	17.90(4.91)	2.66(1.32)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 14-12-21

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	1.97(-0.42)	14.23(4.39)	2.30(1.17)
48 Hour	2.39(-0.01)	16.67(4.42)	2.38(1.35)
72 Hour	2.93(0.53)	18.57(5.17)	2.79(1.39)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 15-12-21

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	2.11(-0.62)	14.86(3.10)	2.22(0.93)
48 Hour	2.37(-0.22)	16.97(1.69)	2.50(1.12)
72 Hour	3.45(0.07)	19.15(2.80)	3.21(1.29)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 16-12-21

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	2.16(-0.64)	14.99(4.12)	2.17(1.00)
48 Hour	2.42(-0.27)	18.11(2.61)	2.38(1.01)
72 Hour	2.75(0.09)	21.14(2.61)	2.66(1.41)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 17-12-21

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	2.18(-0.43)	14.83(3.59)	2.23(0.95)
48 Hour	2.62(-0.10)	17.55(3.00)	2.45(0.97)
72 Hour	3.48(0.64)	21.12(4.33)	2.92(1.22)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 18-12-21

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	2.24(-0.26)	14.52(3.76)	2.10(0.94)
48 Hour	2.90(-0.06)	18.62(2.82)	2.45(1.06)
72 Hour	4.18(0.60)	23.54(3.10)	2.53(1.18)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 19-12-21

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	2.23(-0.20)	14.74(2.41)	2.31(1.19)
48 Hour	3.37(0.25)	20.73(2.58)	2.31(1.13)
72 Hour	3.72(0.36)	21.41(1.46)	2.17(1.44)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 20-12-21

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	2.40(-0.13)	15.33(4.29)	2.16(1.25)
48 Hour	3.49(0.32)	20.40(3.85)	2.05(1.42)
72 Hour	2.92(0.68)	20.97(3.54)	2.52(1.48)

Error Statistics in Surface Meteorological Parameter
 Validation Time 0000 UTC 21-12-21
 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	2.23(-0.29)	17.14(7.42)	1.91(1.20)
48 Hour	2.60(0.48)	20.36(6.93)	2.40(1.31)
72 Hour	2.59(0.44)	20.14(5.21)	2.30(1.49)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 22-12-21

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	2.14(-0.61)	16.51(6.17)	2.10(1.25)
48 Hour	2.78(0.03)	19.40(5.18)	2.07(1.26)
72 Hour	2.88(0.35)	20.36(5.35)	2.07(1.29)

Error Statistics in Surface Meteorological Parameter
 Validation Time 0000 UTC 23-12-21
 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	2.27(-0.59)	15.47(5.98)	1.94(1.21)
48 Hour	2.69(-0.26)	20.65(6.05)	1.96(1.25)
72 Hour	2.57(0.09)	22.62(4.62)	2.36(1.34)

Error Statistics in Surface Meteorological Parameter
 Validation Time 0000 UTC 24-12-21
 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	1.98(-0.61)	16.77(5.70)	1.76(0.92)
48 Hour	2.11(-0.33)	20.28(4.58)	2.14(1.12)
72 Hour	2.57(-0.10)	21.15(3.41)	2.56(1.28)

Error Statistics in Surface Meteorological Parameter
 Validation Time 0000 UTC 25-12-21
 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(-0.54)	16.68(5.49)	1.88(1.13)
48 Hour	2.51(-0.12)	19.35(4.45)	2.28(1.26)
72 Hour	2.99(0.11)	19.47(2.84)	2.85(1.35)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 26-12-21

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(-0.40)	15.11(5.10)	2.02(1.20)
48 Hour	2.39(0.06)	18.07(4.44)	2.34(1.43)
72 Hour	3.12(0.42)	20.25(4.63)	3.21(1.44)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 27-12-21

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(-0.83)	15.73(5.21)	1.98(1.16)
48 Hour	2.41(-0.26)	19.37(3.69)	2.54(1.30)
72 Hour	3.23(0.29)	21.50(3.44)	3.02(1.58)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 28-12-21

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	1.91(-0.43)	15.38(3.91)	2.10(0.98)
48 Hour	3.25(-0.07)	19.79(3.46)	2.45(1.10)
72 Hour	3.28(0.58)	21.74(4.49)	2.89(1.50)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 29-12-21

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	2.00(-0.16)	14.00(4.33)	2.17(0.86)
48 Hour	2.88(0.16)	18.77(5.48)	2.68(1.03)
72 Hour	4.21(0.64)	25.71(6.18)	3.10(1.34)

Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 30-12-21

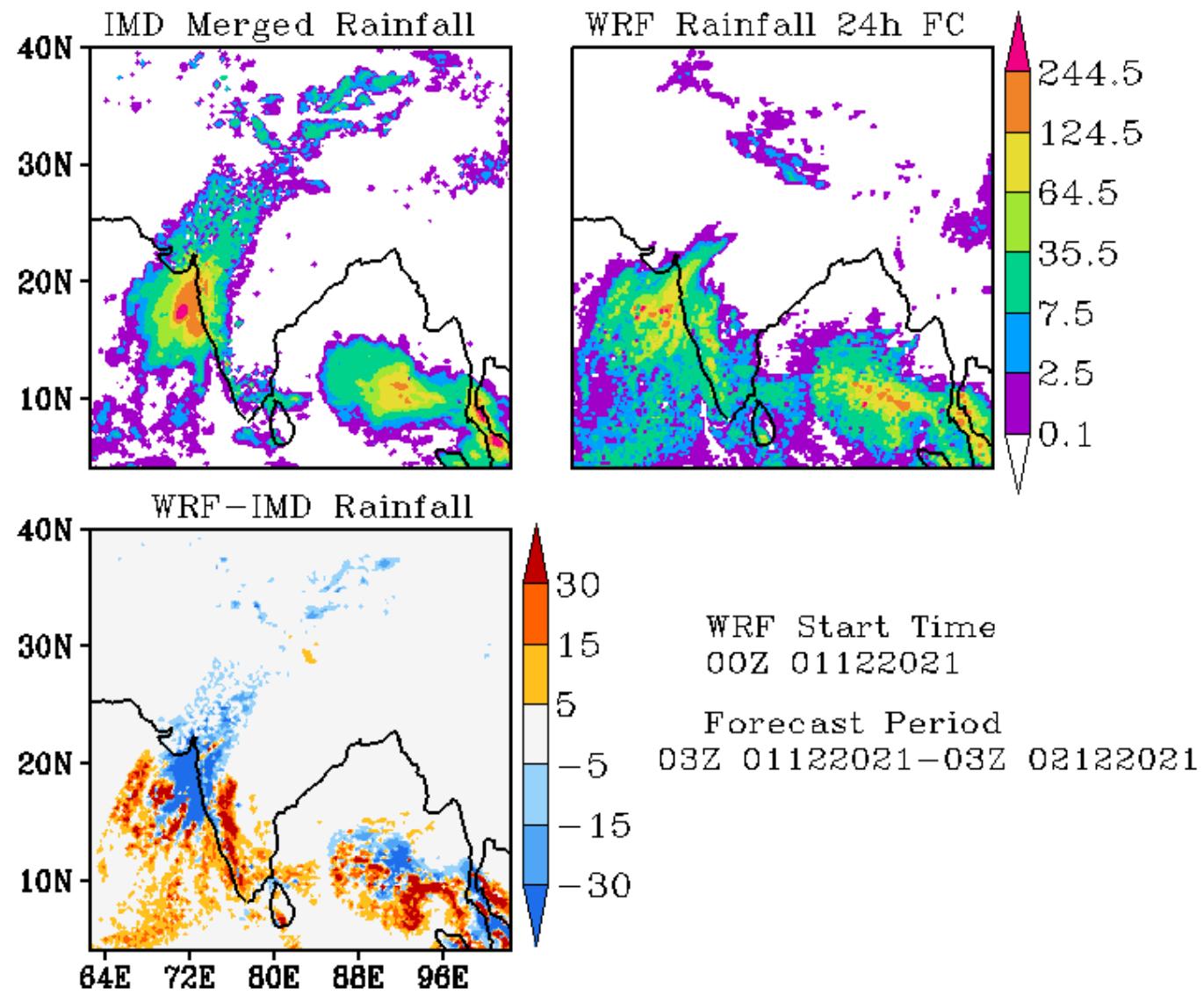
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km

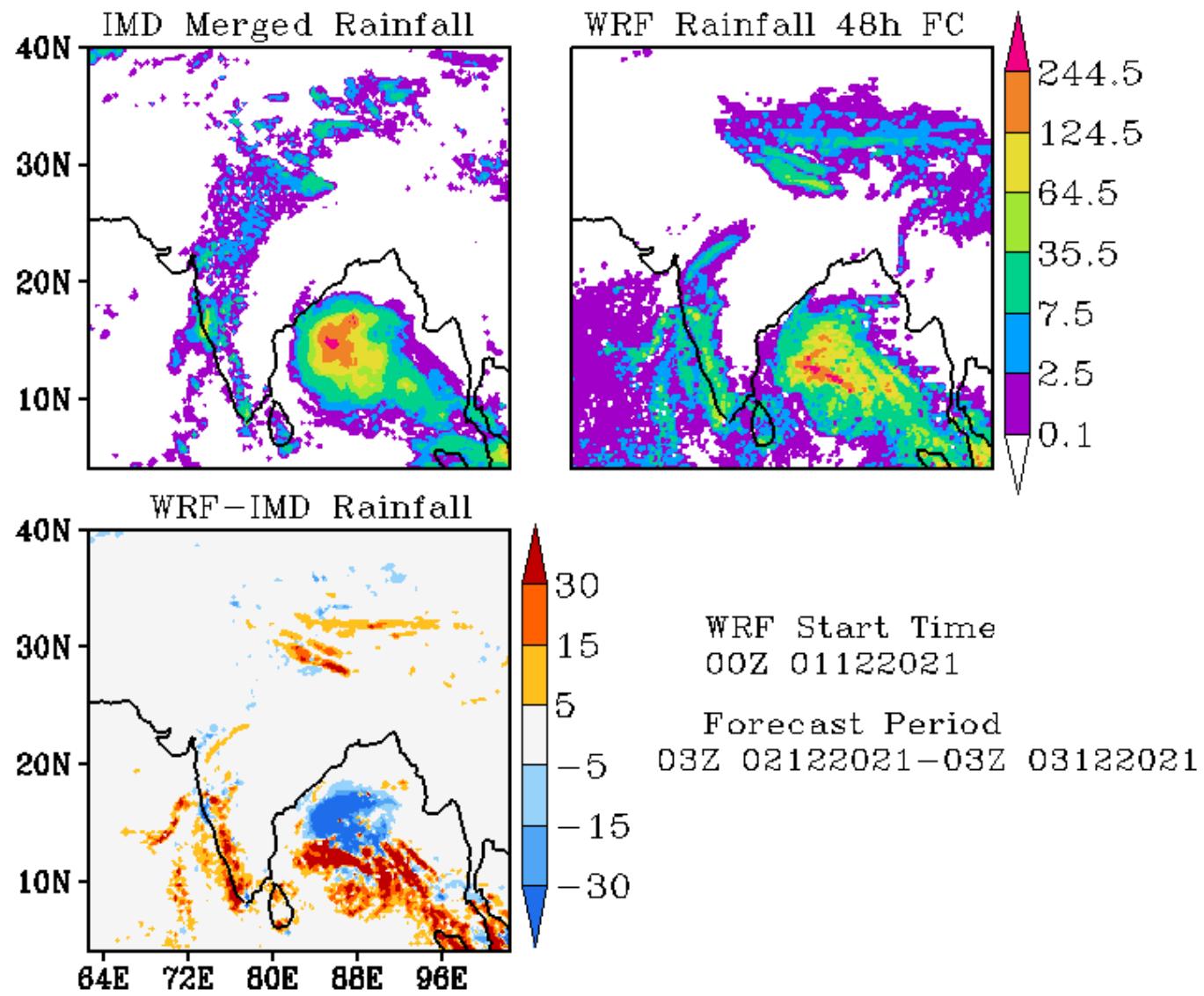
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	1.96(-0.26)	13.95(0.75)	2.03(0.78)
48 Hour	3.55(-0.08)	22.27(2.06)	2.43(0.95)
72 Hour	3.78(0.03)	23.97(2.79)	2.69(1.18)

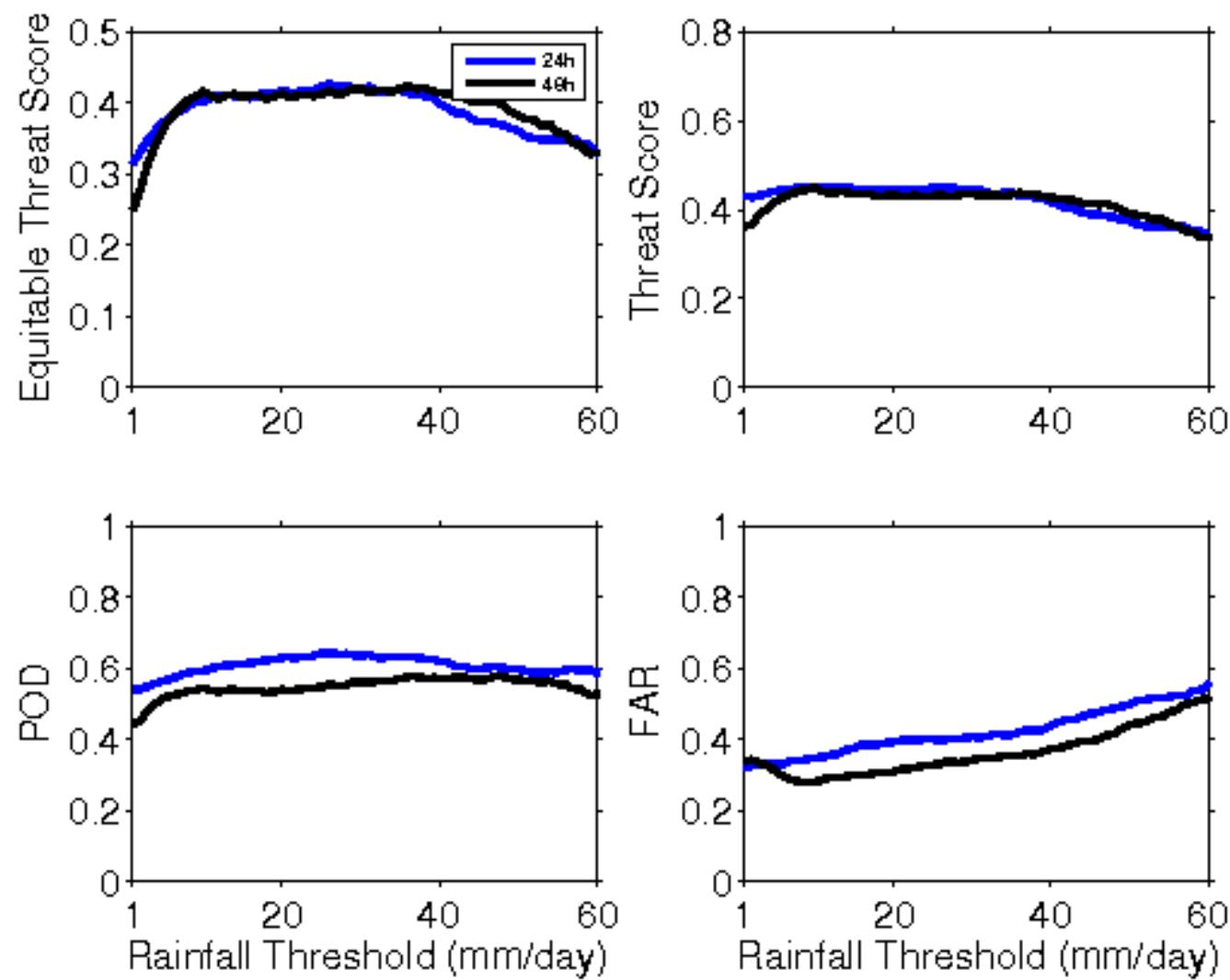
Error Statistics in Surface Meteorological Parameter
Validation Time 0000 UTC 31-12-21

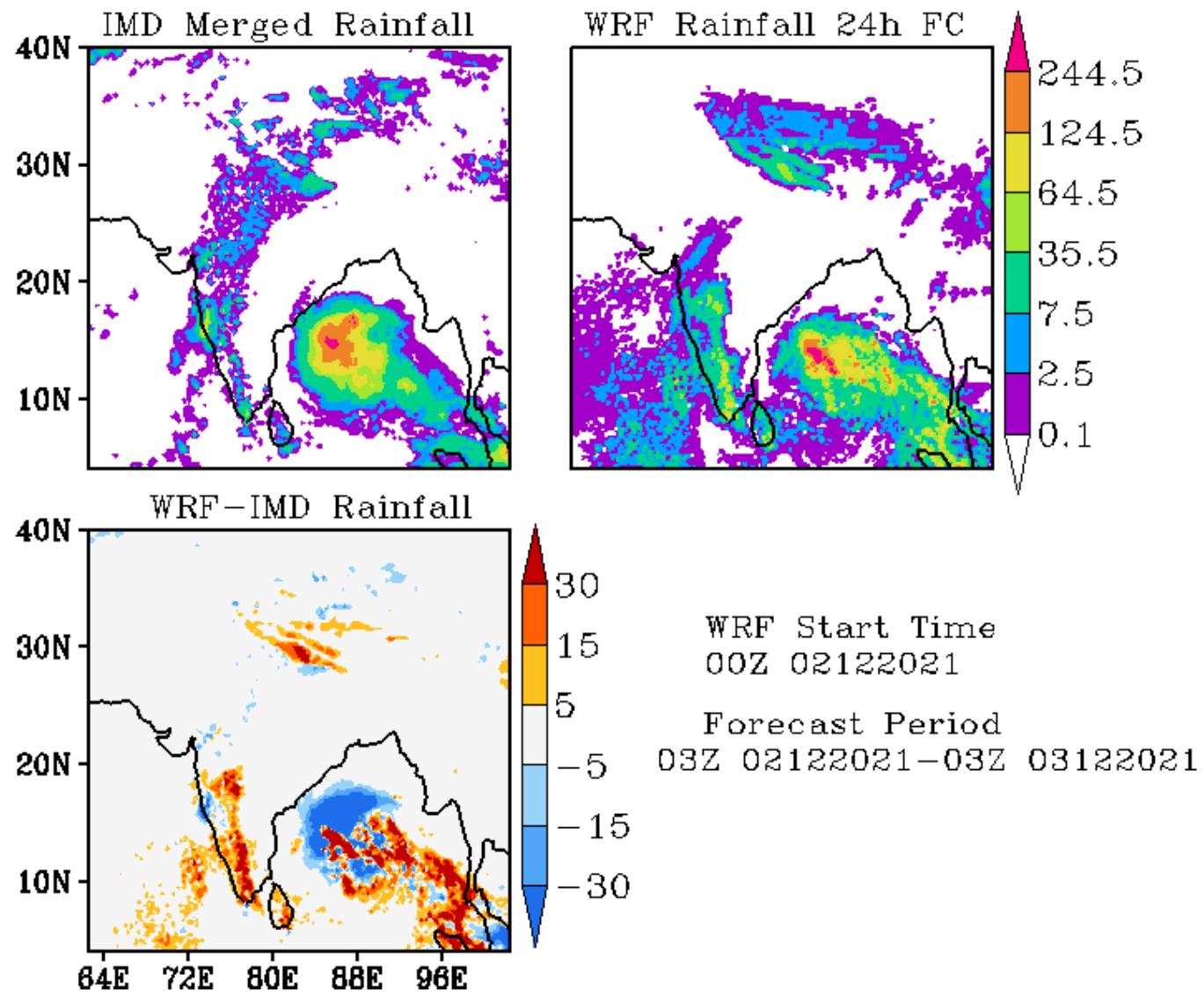
Domain [lon 67.8E-98E,lat 7N-38N] Resolution 5 Km

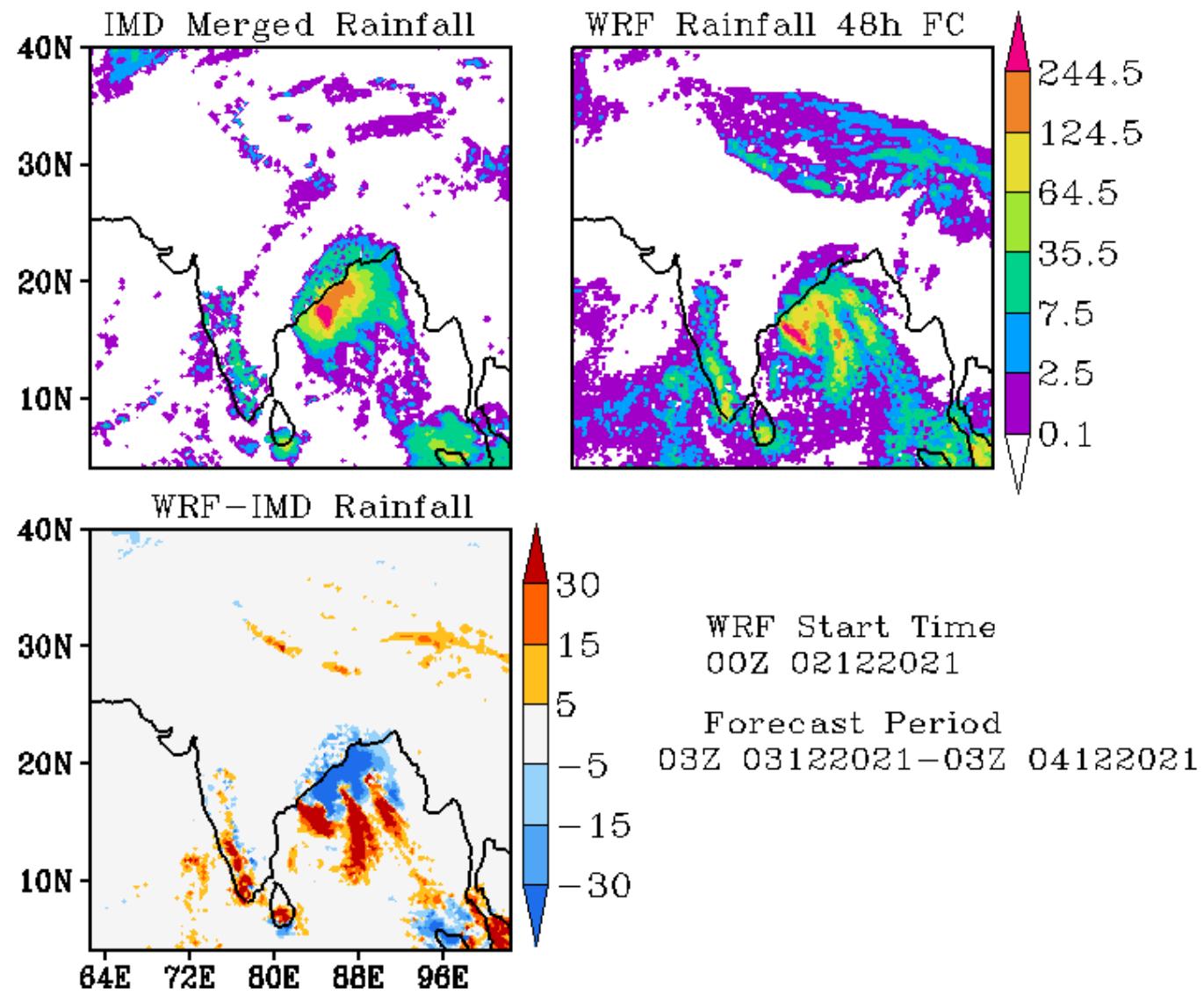
Forecast Hour	Temperature (C)	Relative Humidity (%)	Wind Speed (m/s)
	Rmsd (Bias)	Rmsd (Bias)	Rmsd (Bias)
24 Hour	2.07(-0.17)	14.91(0.69)	1.99(0.85)
48 Hour	3.23(0.14)	19.97(-1.21)	2.43(0.91)
72 Hour	3.74(0.06)	20.94(-0.47)	2.56(1.29)

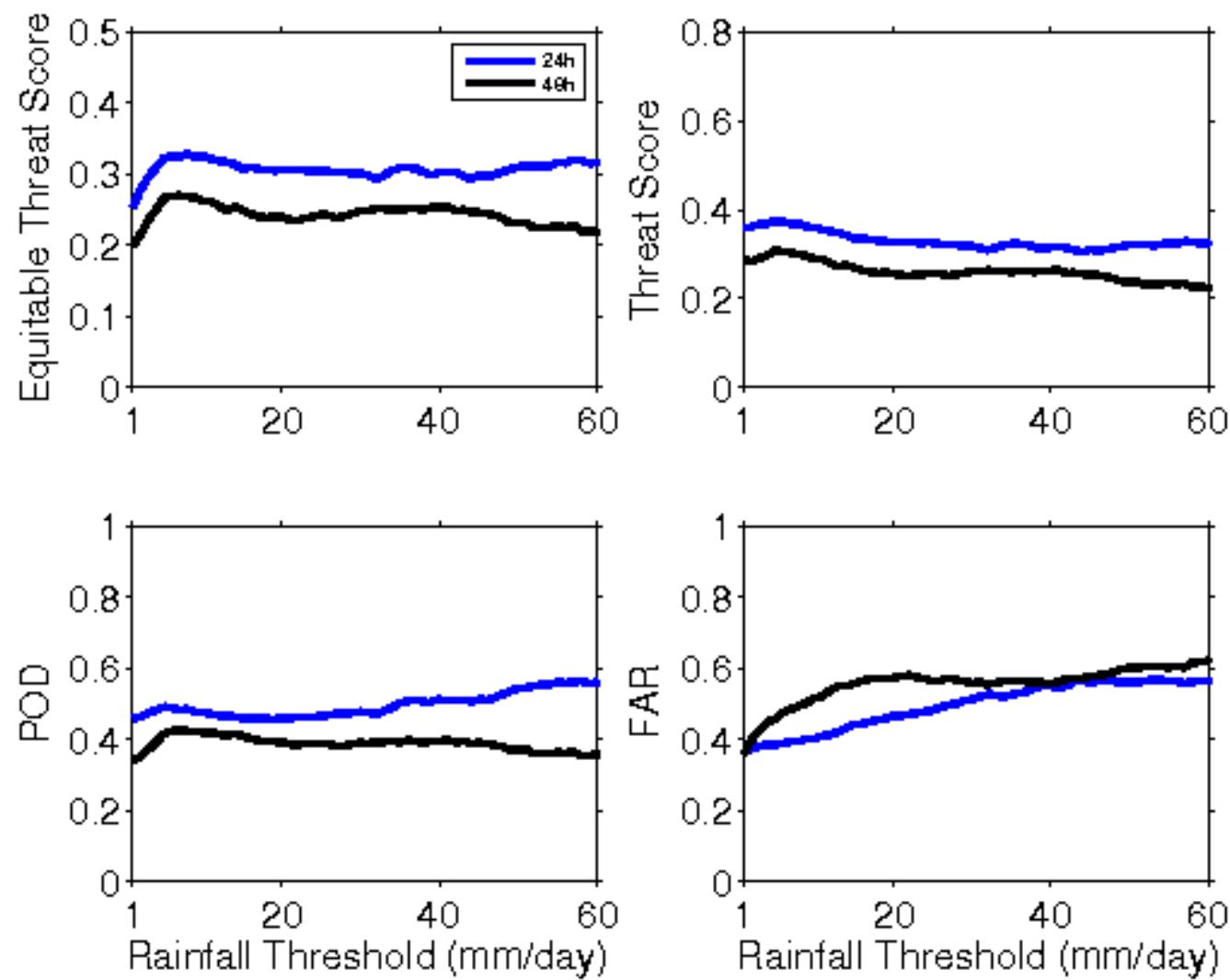


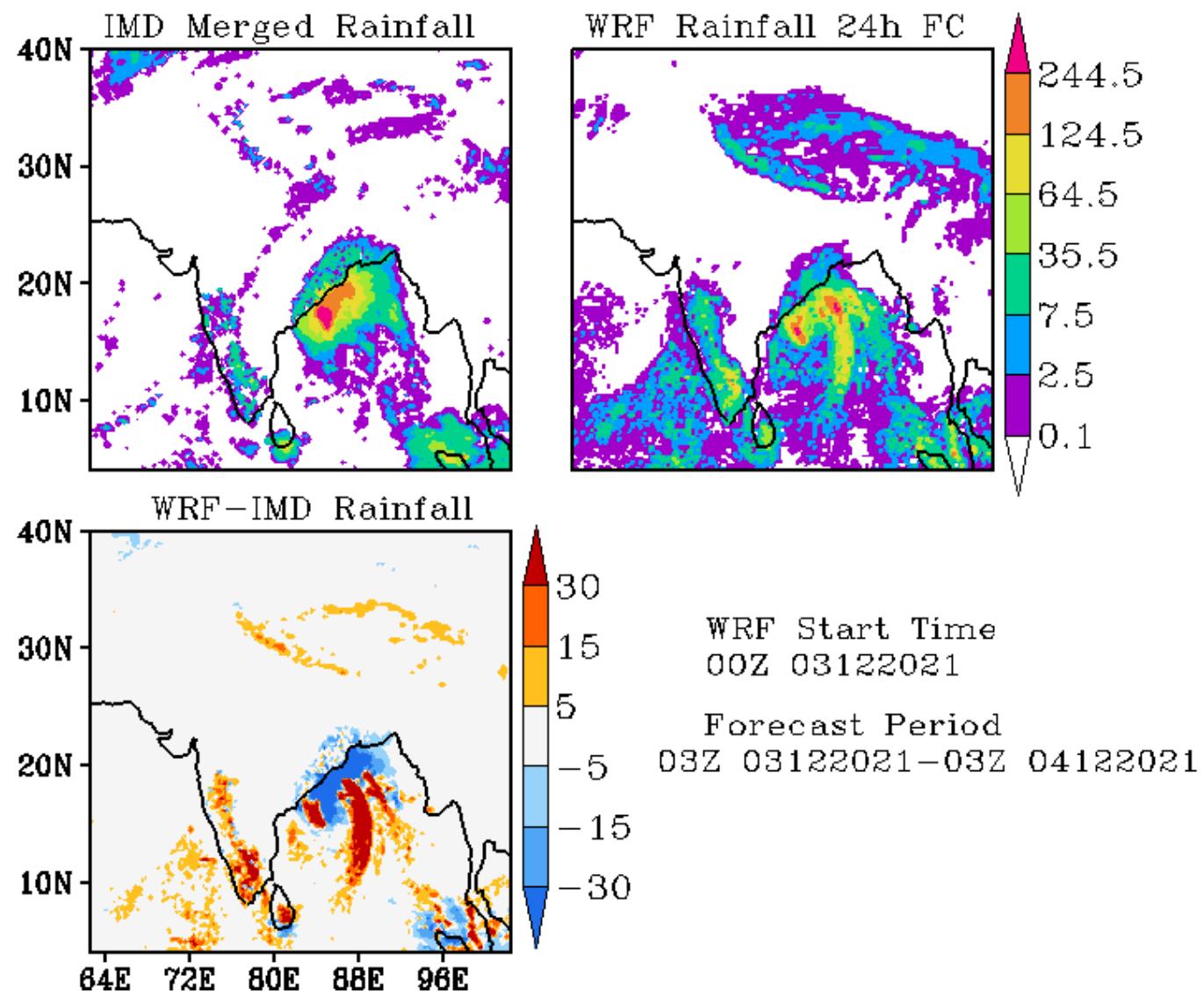


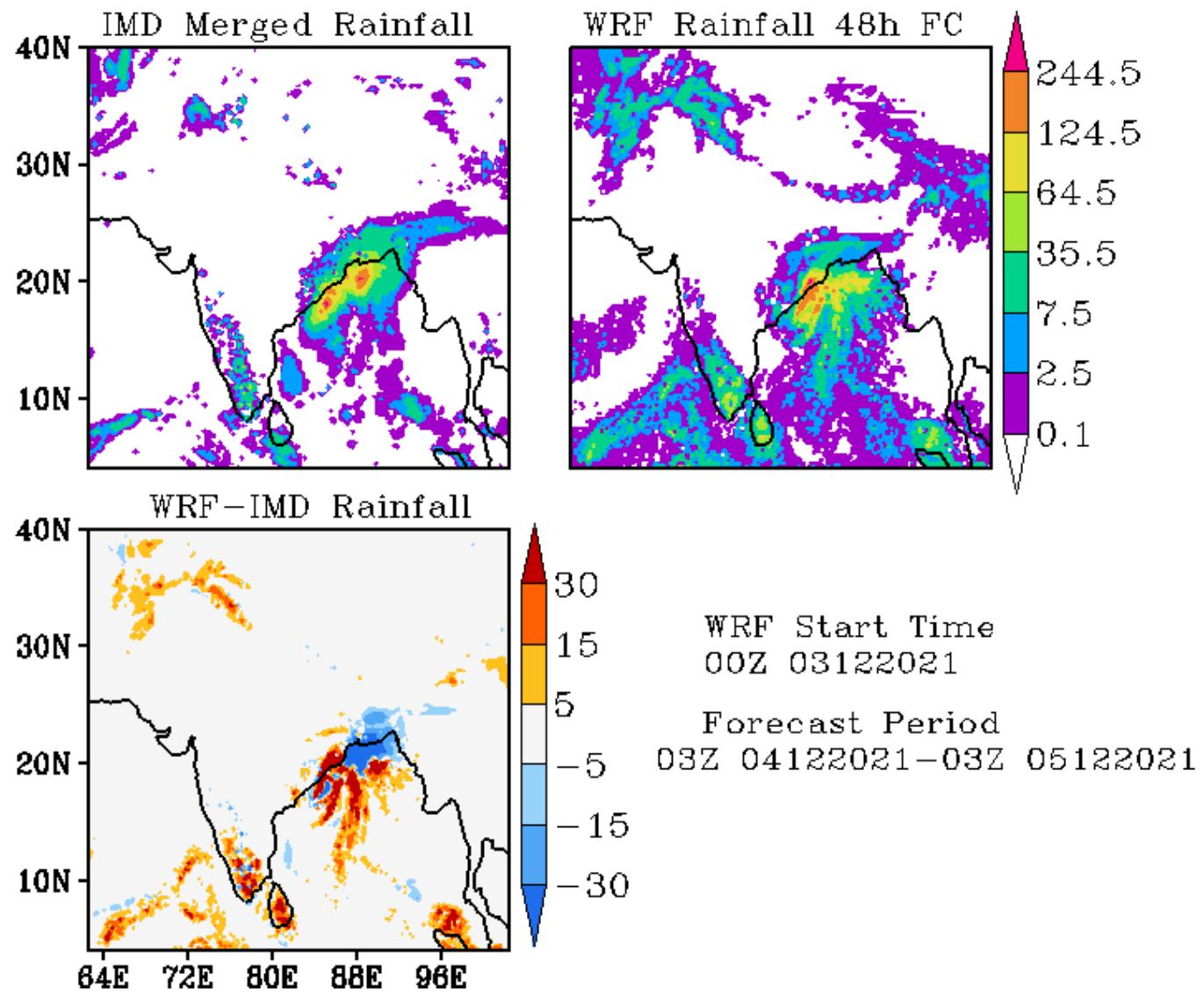


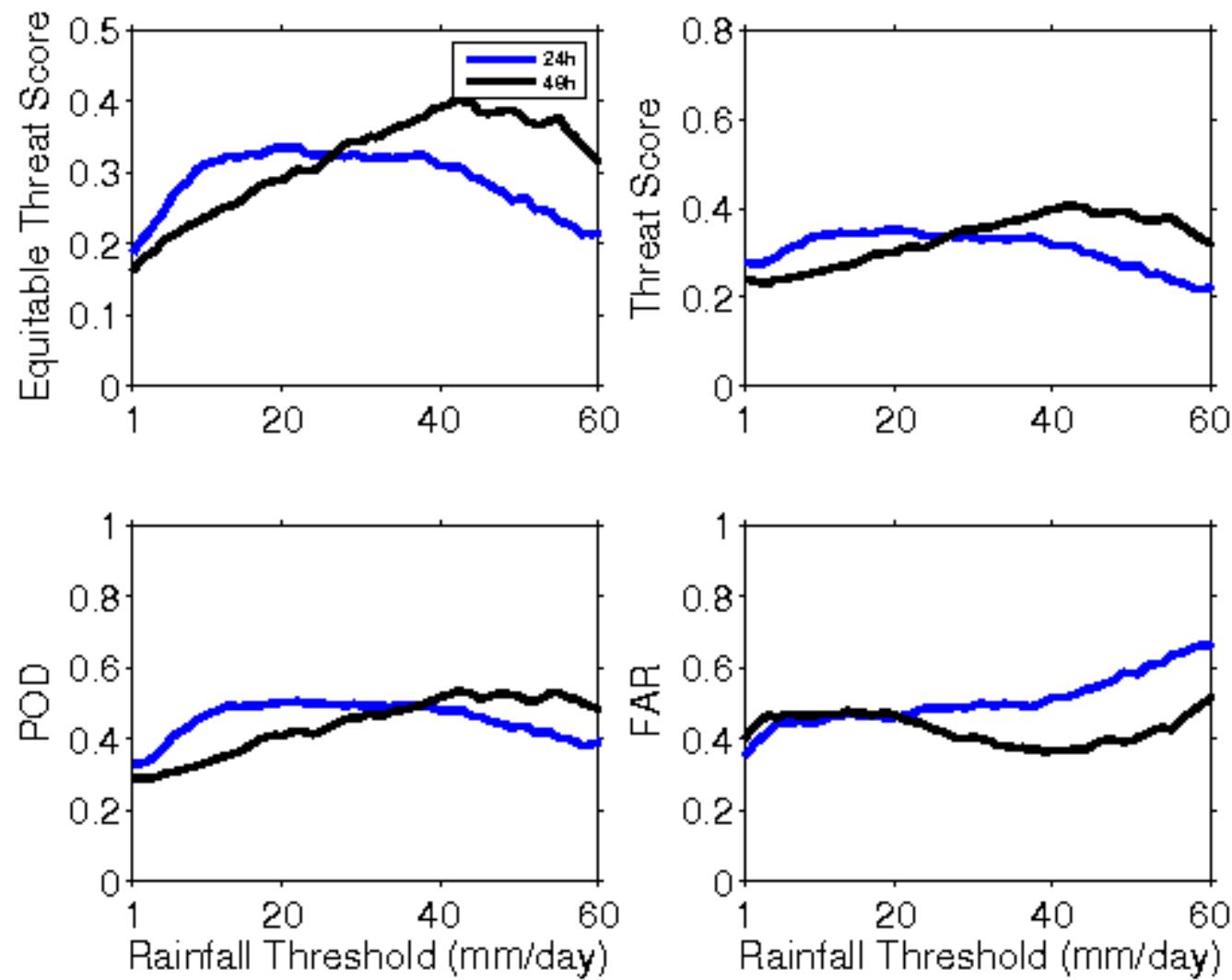


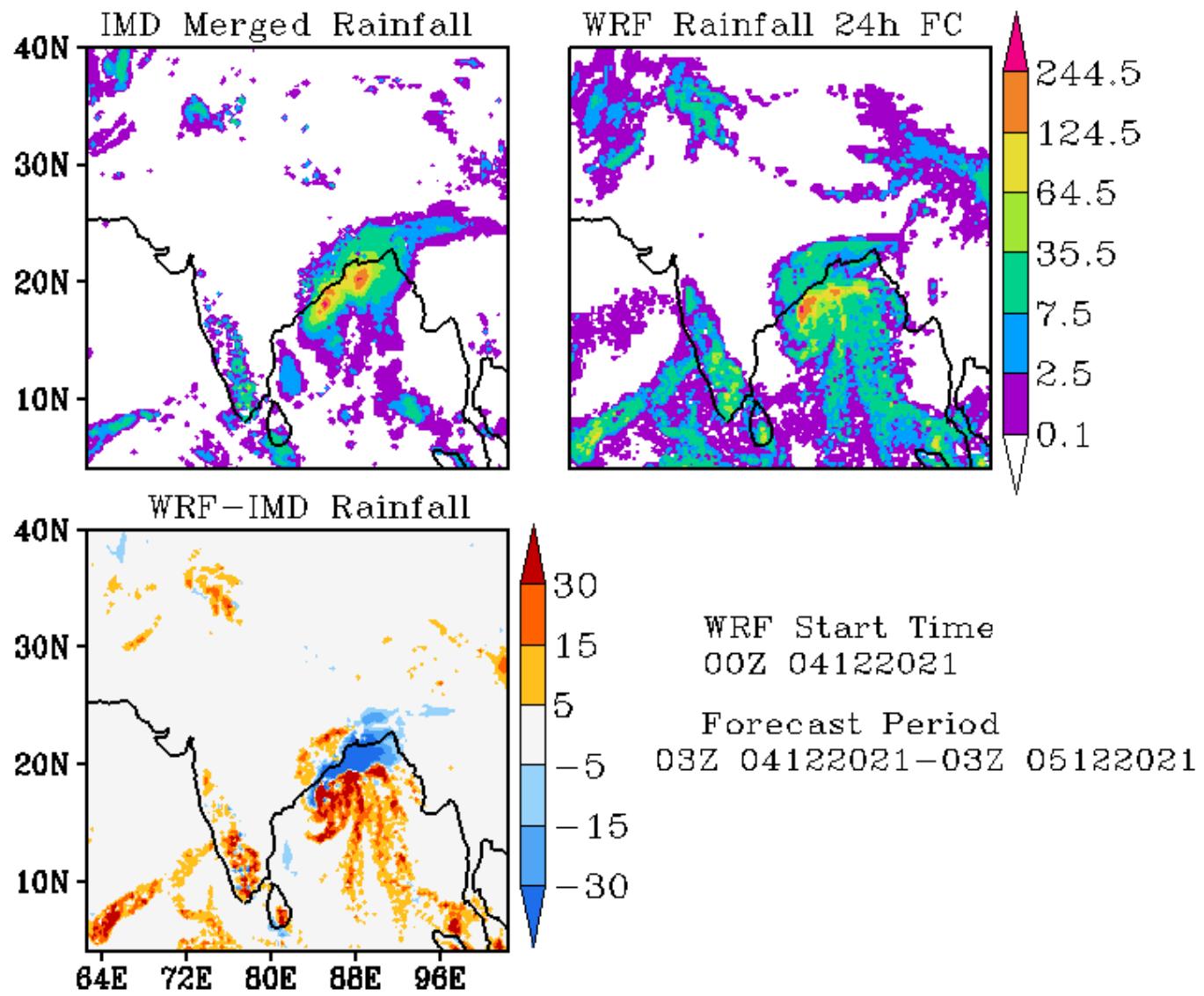


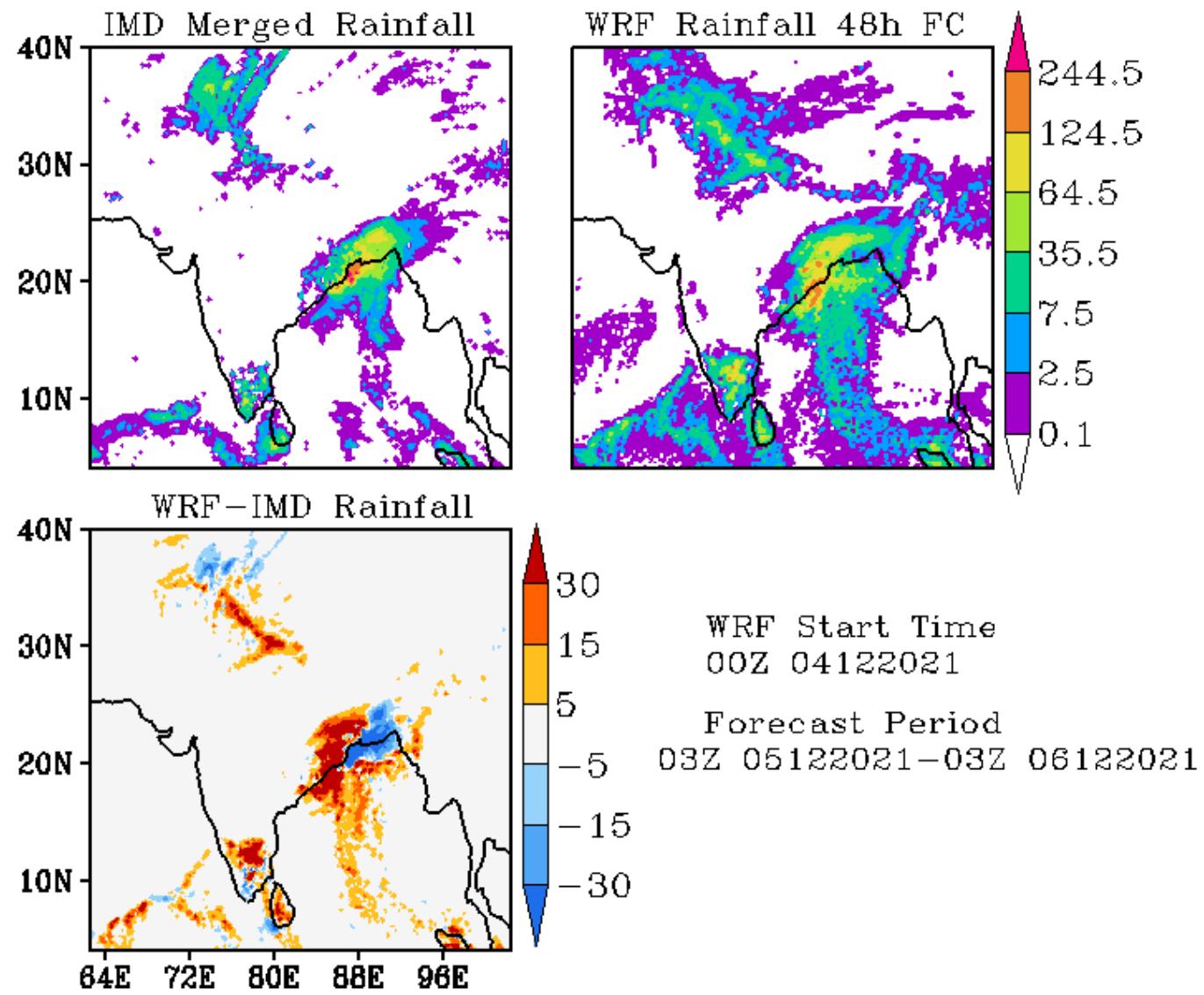


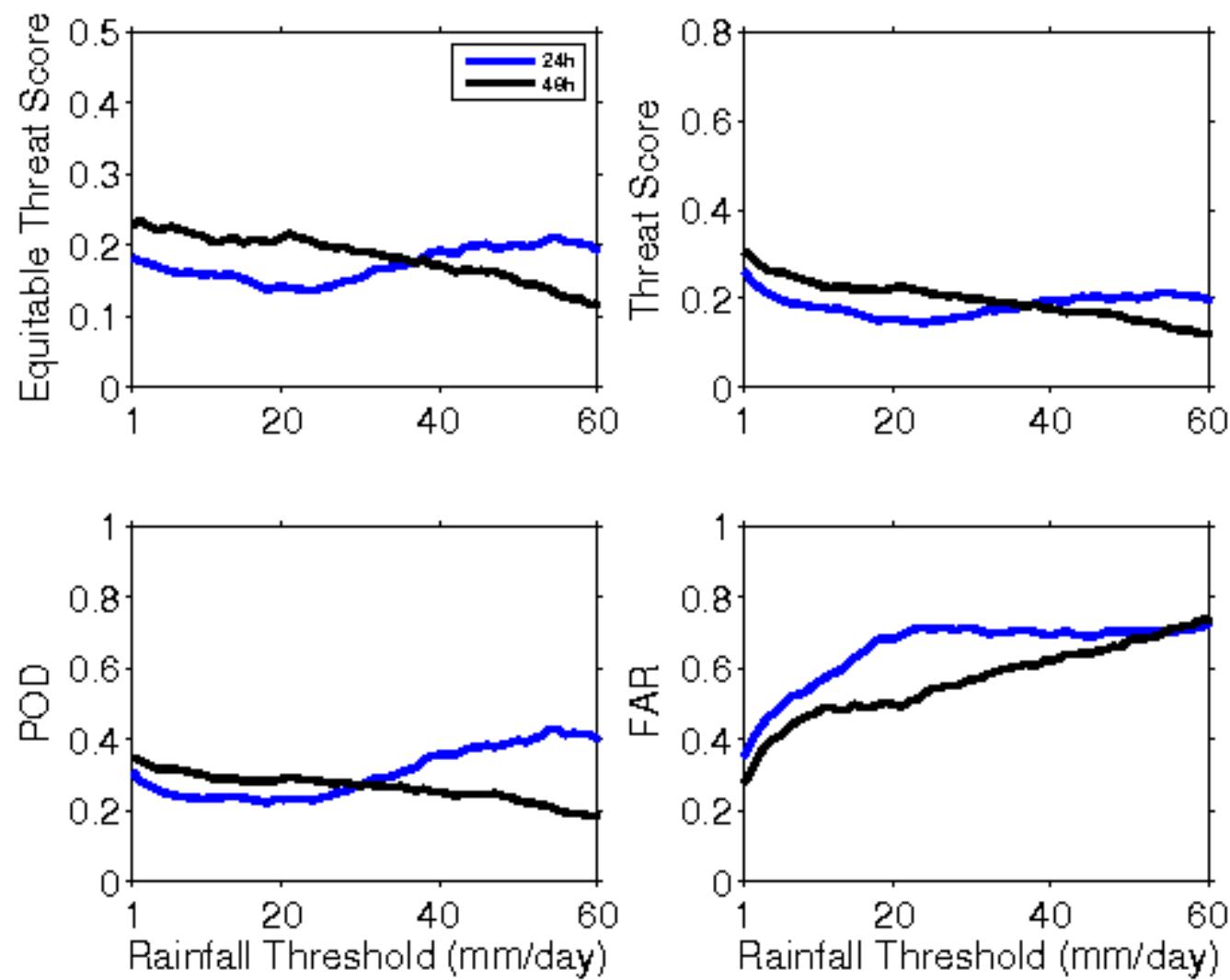


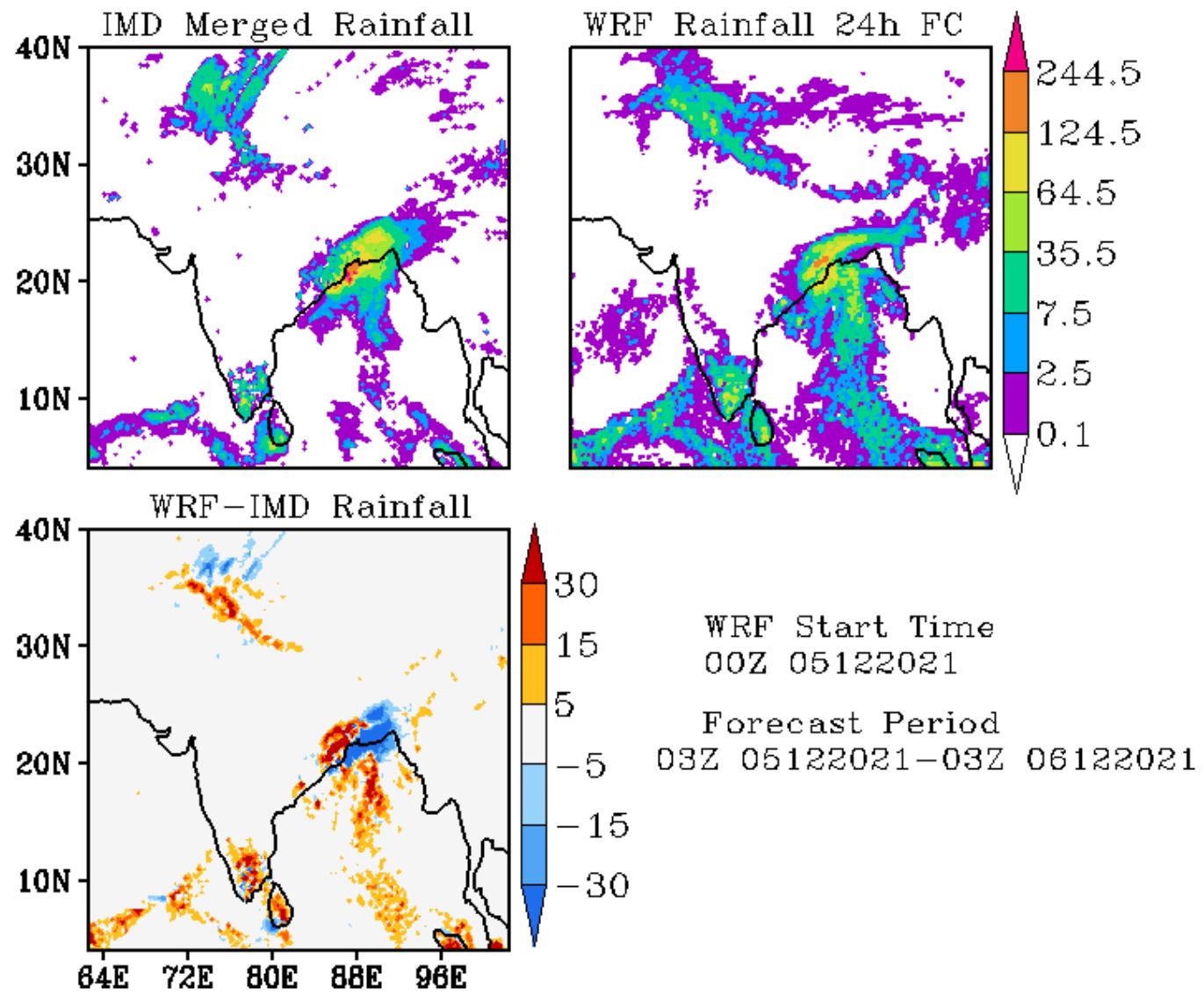


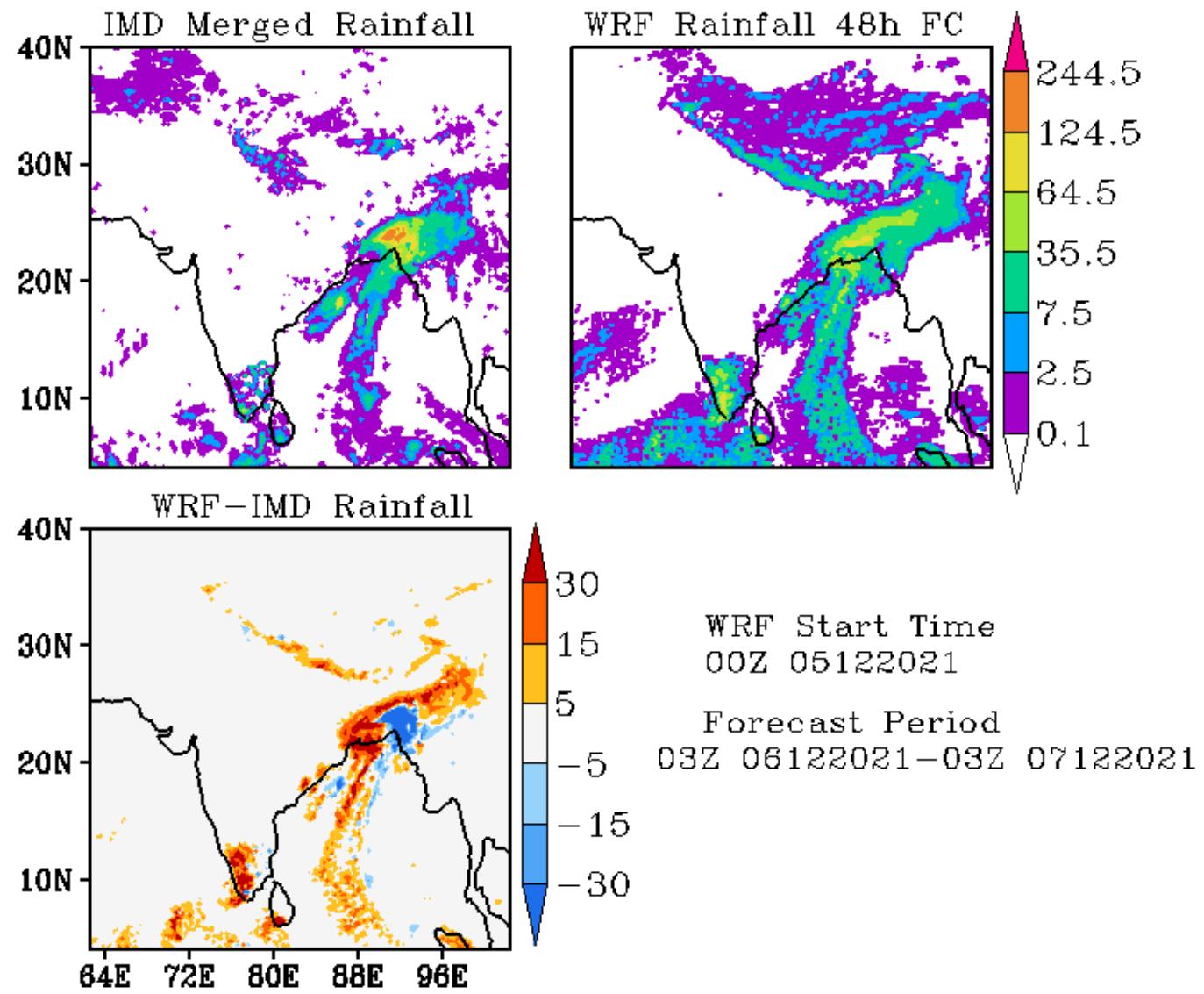


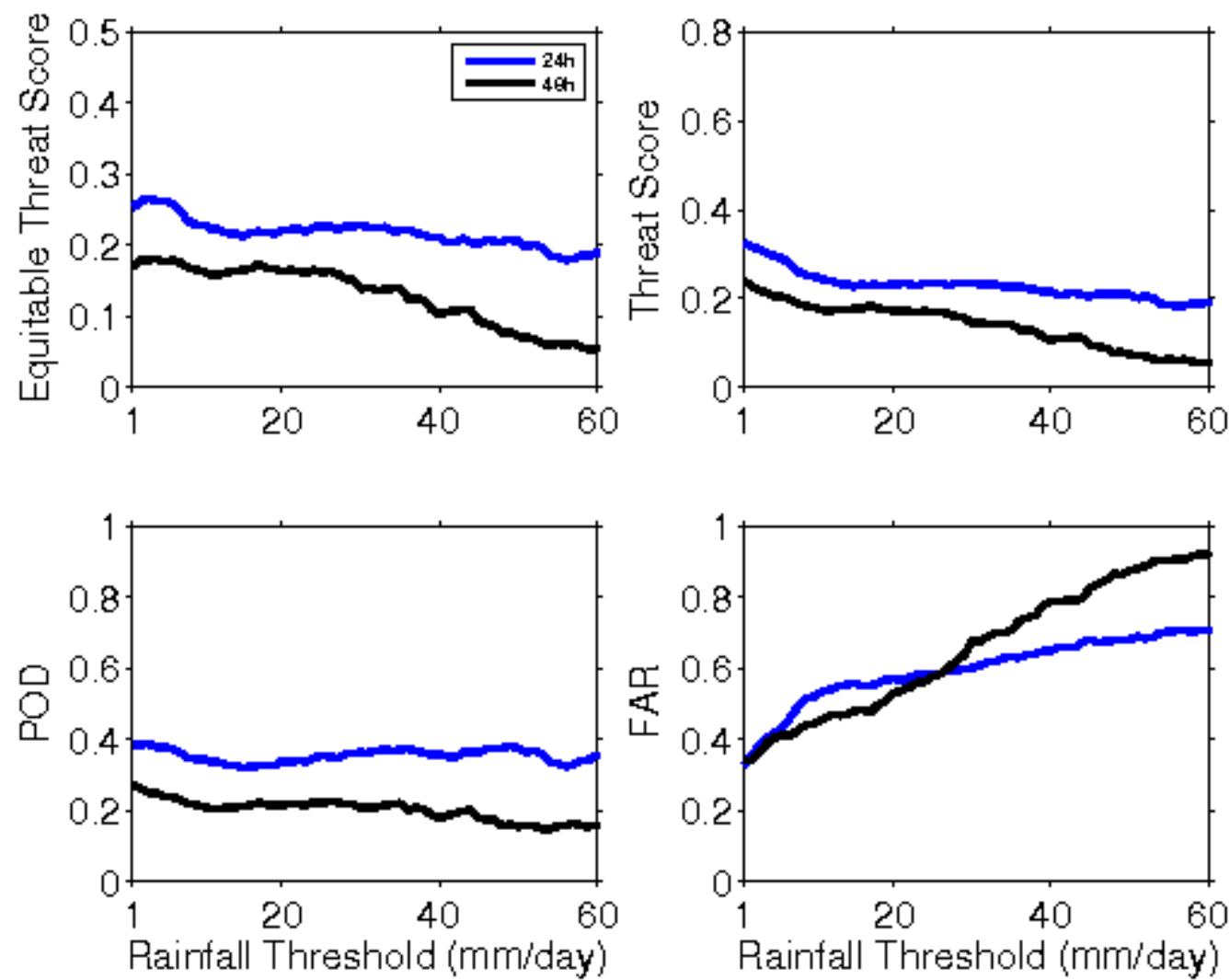


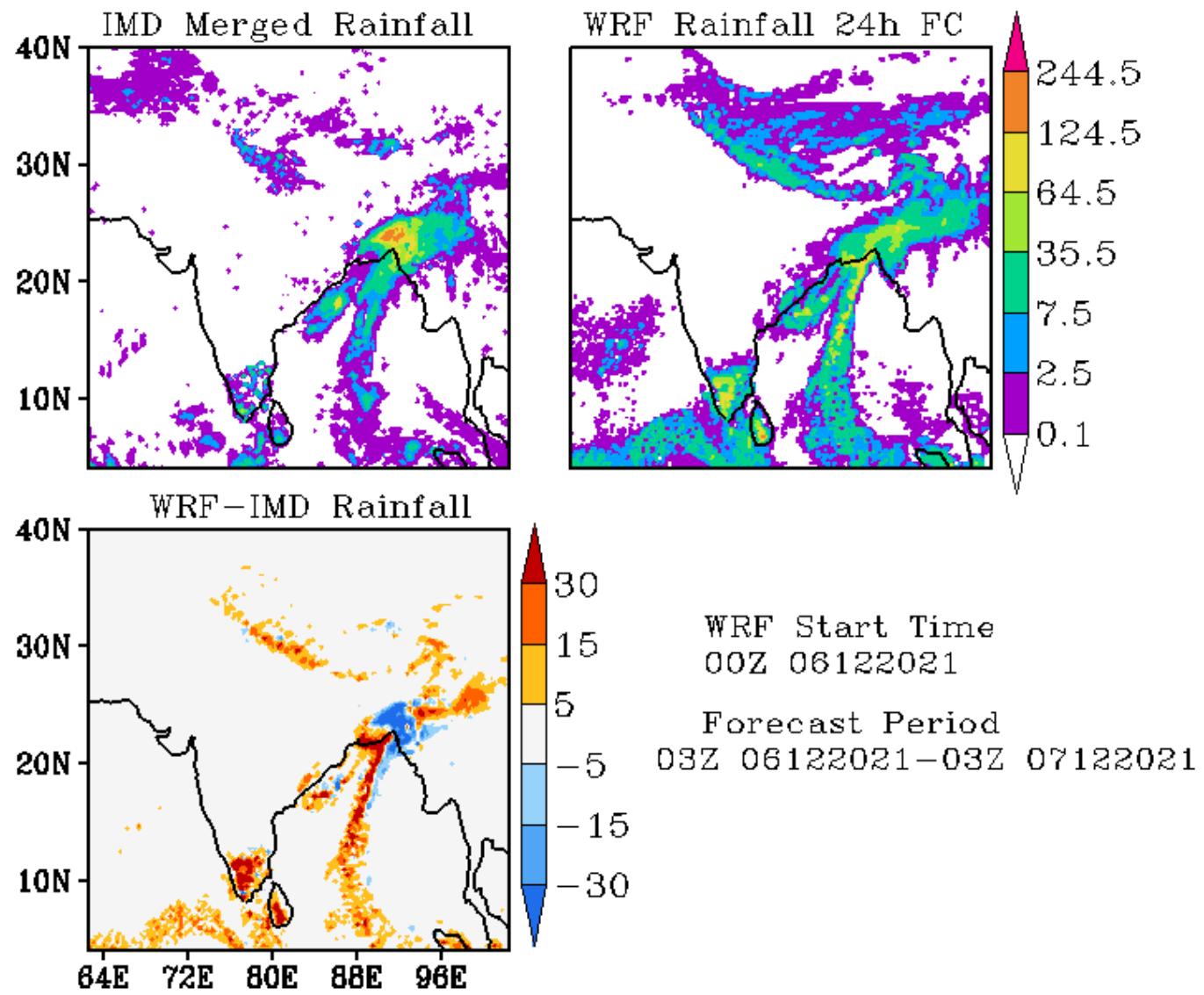


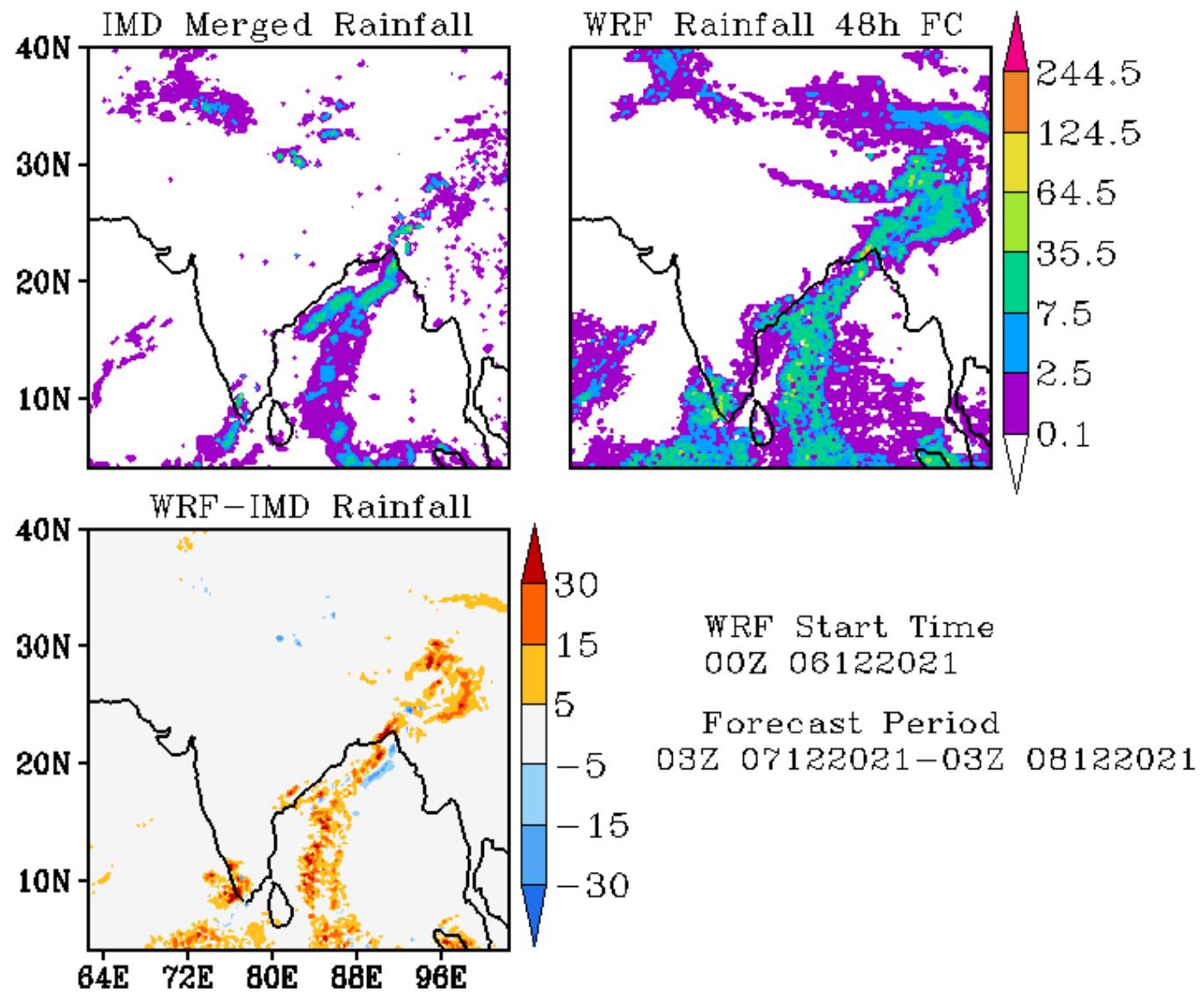


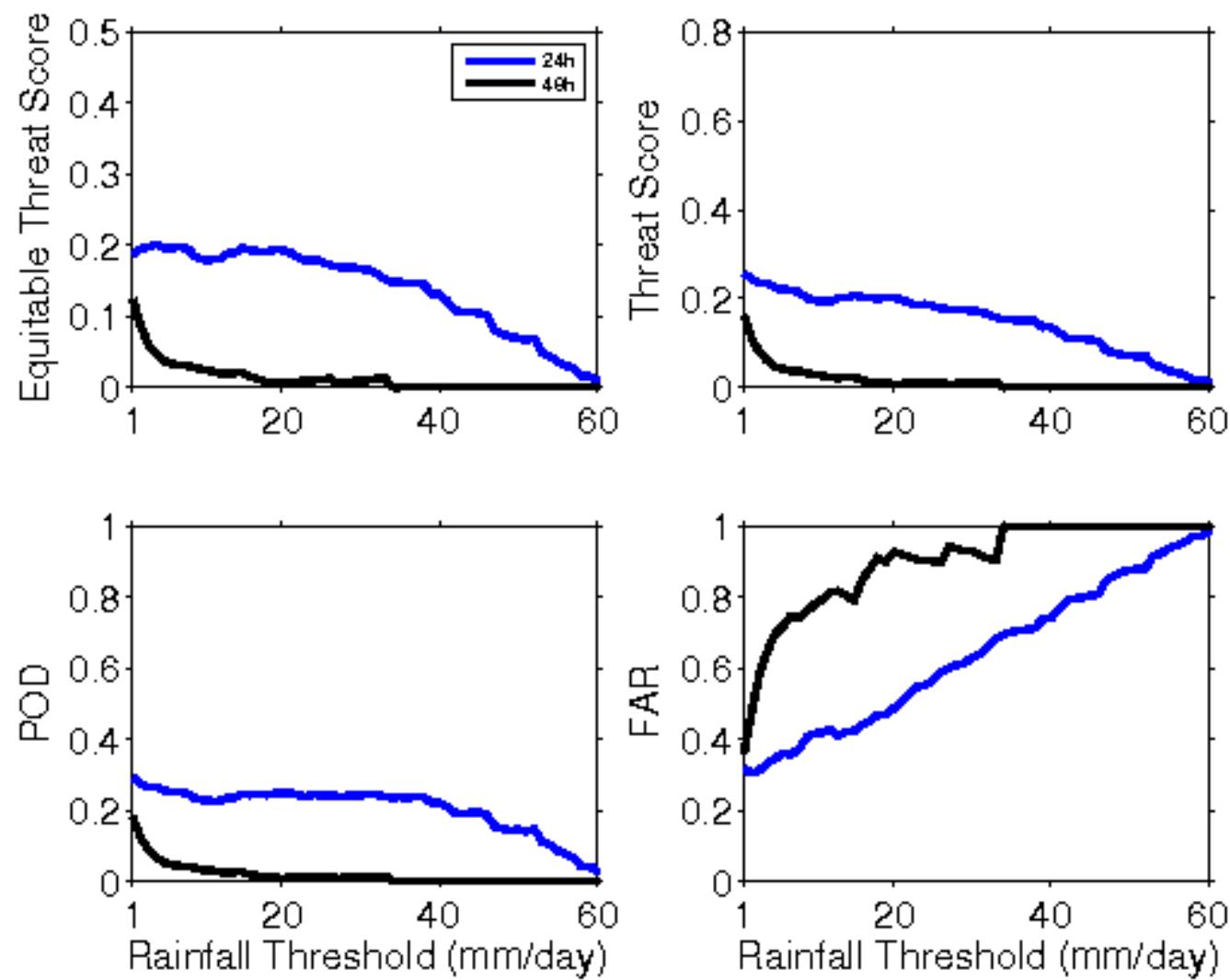


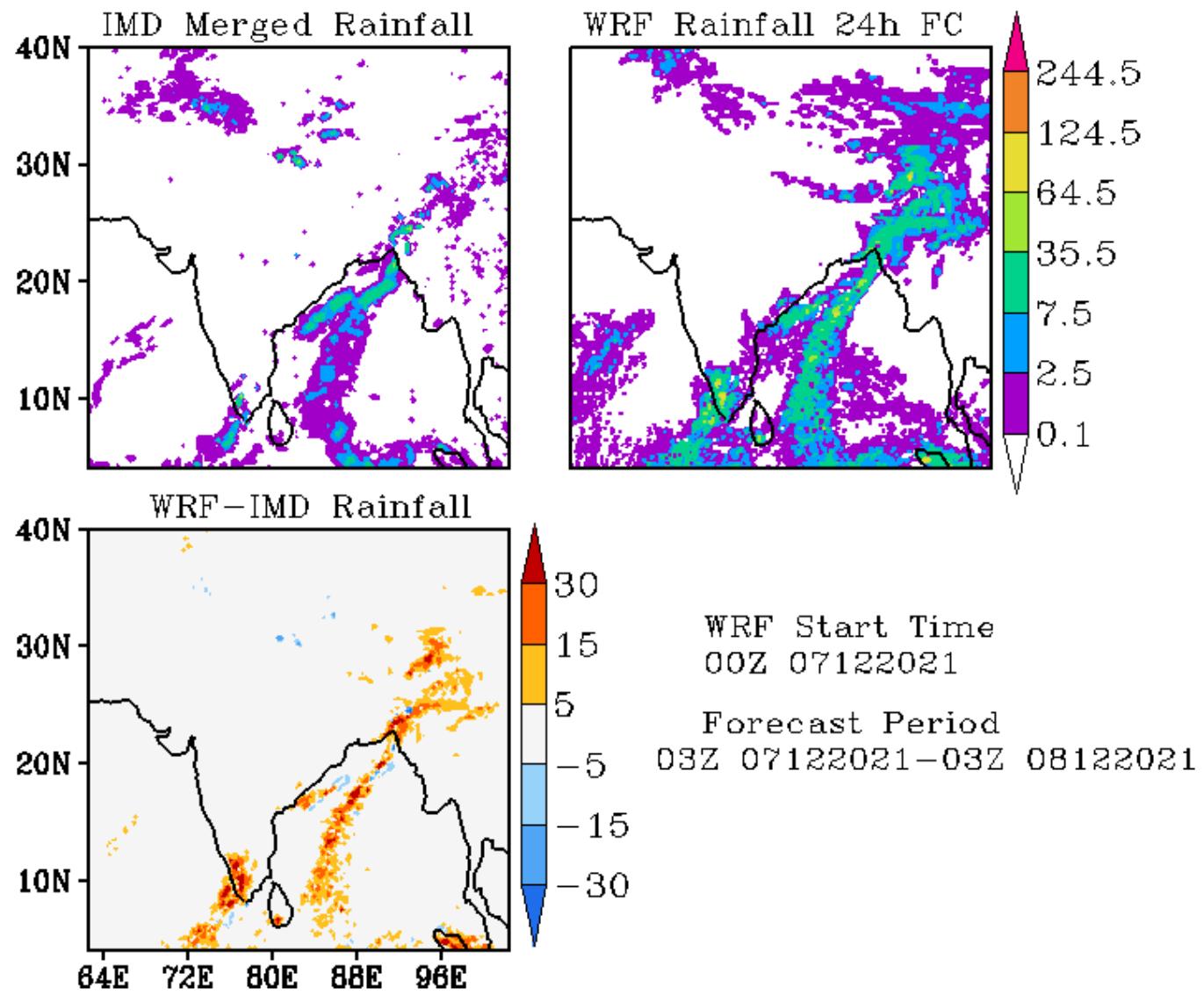


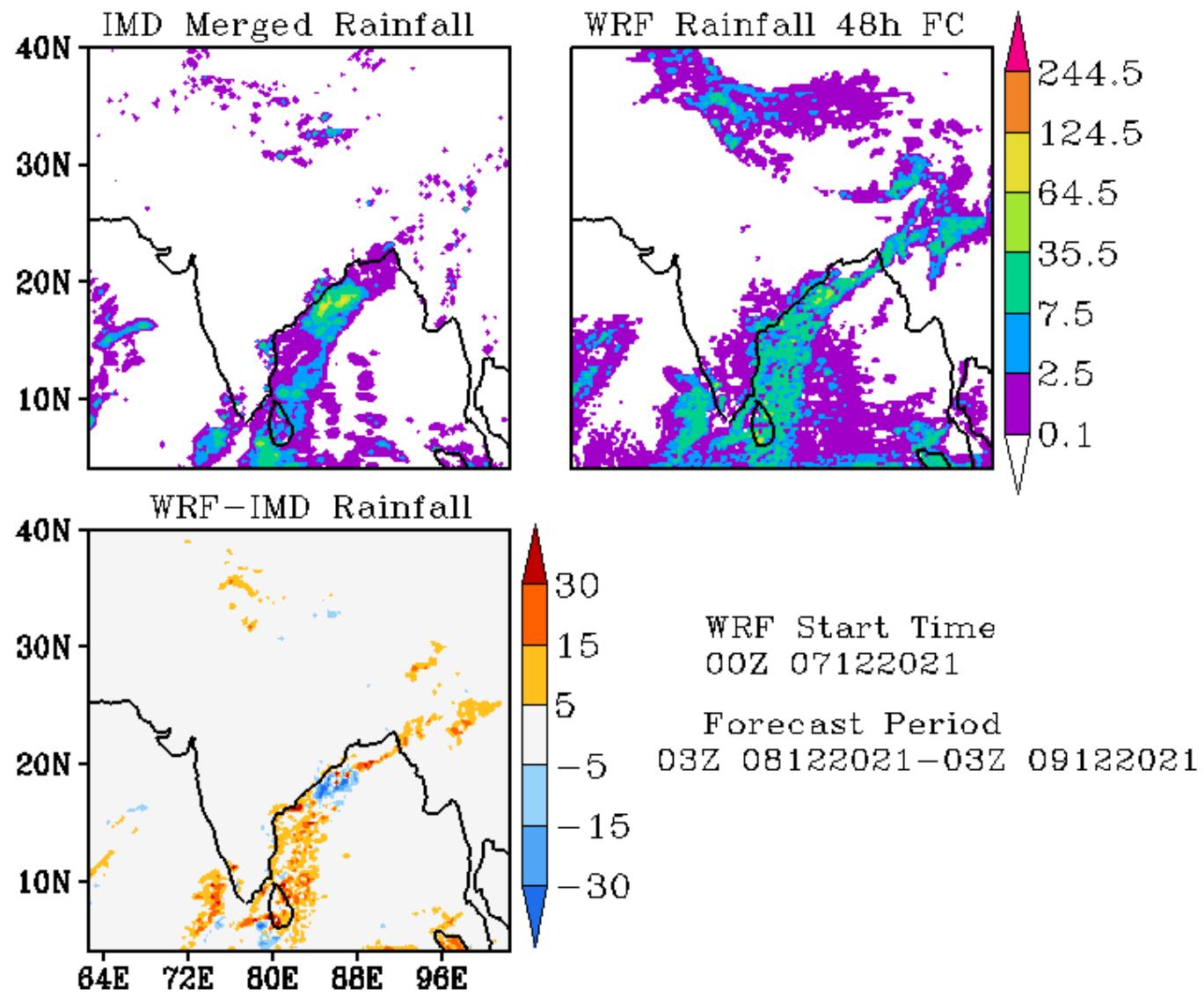


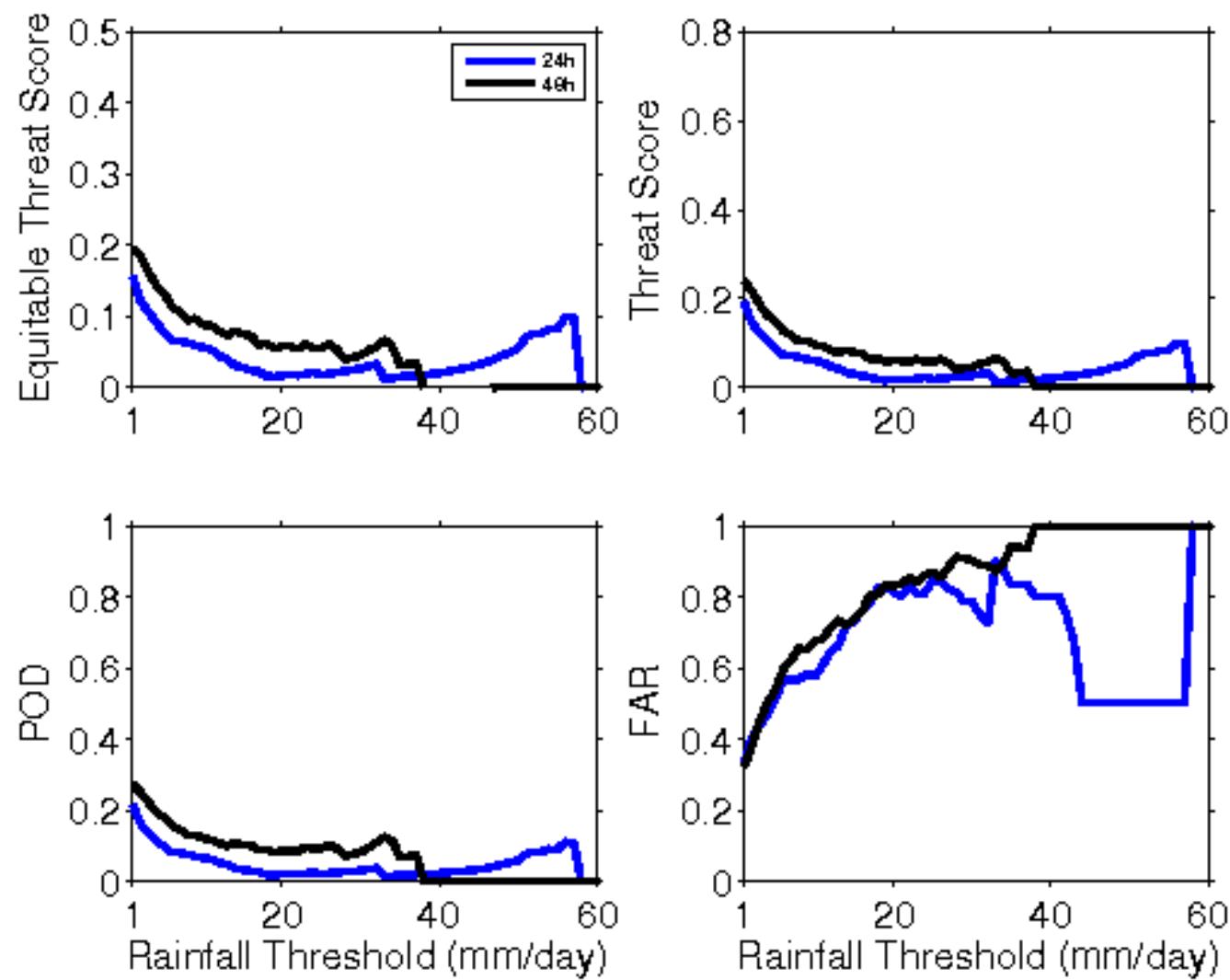


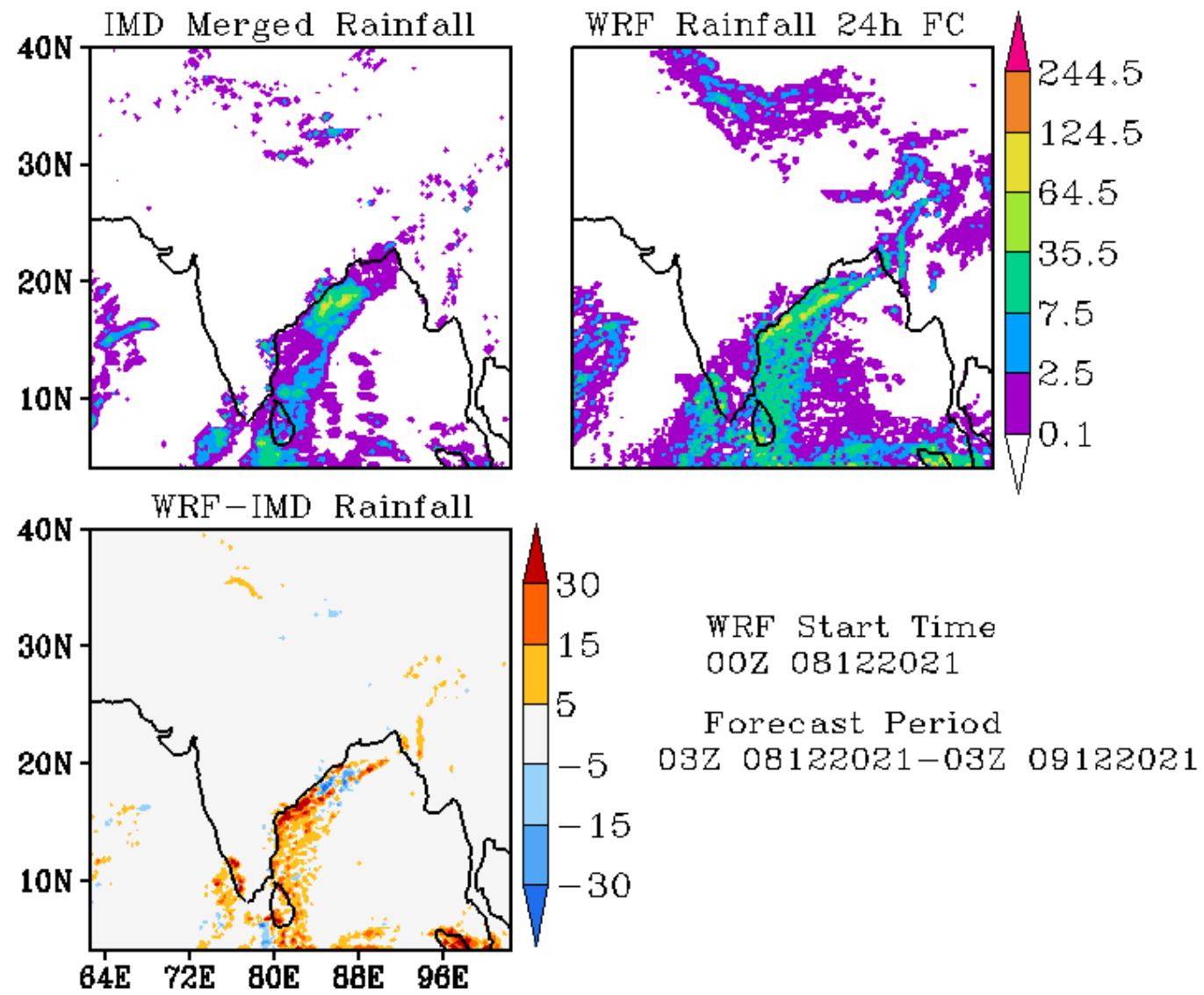


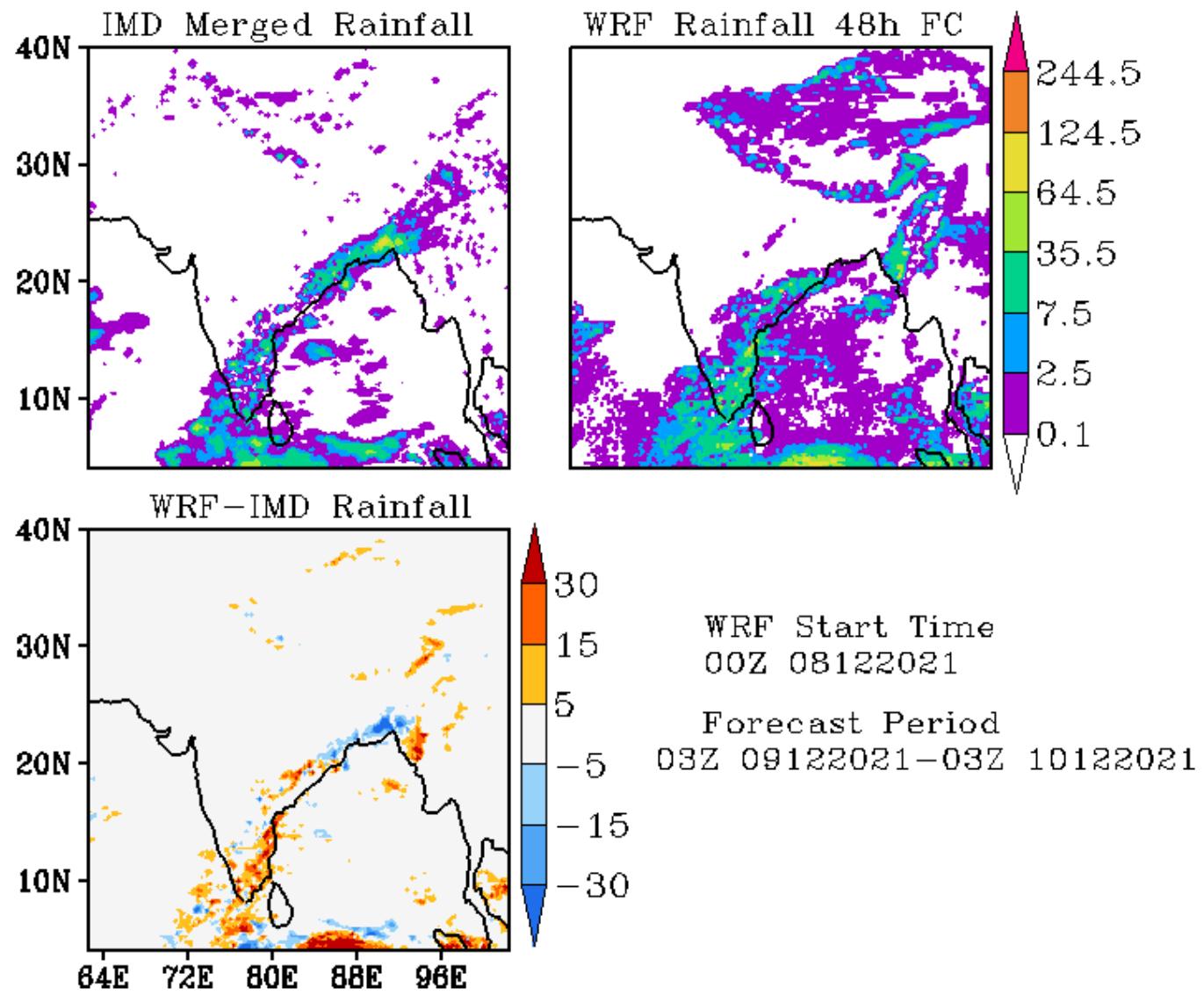


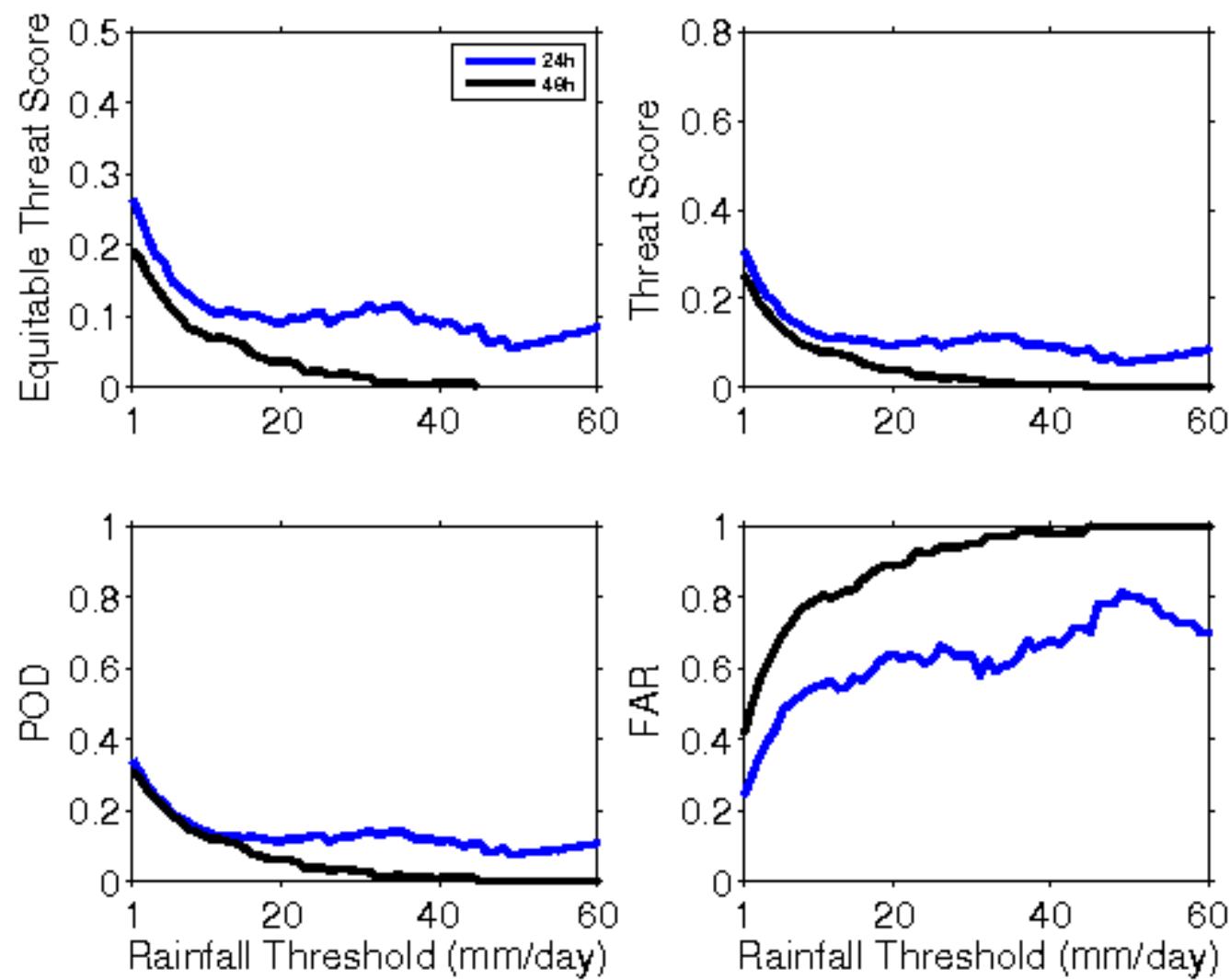


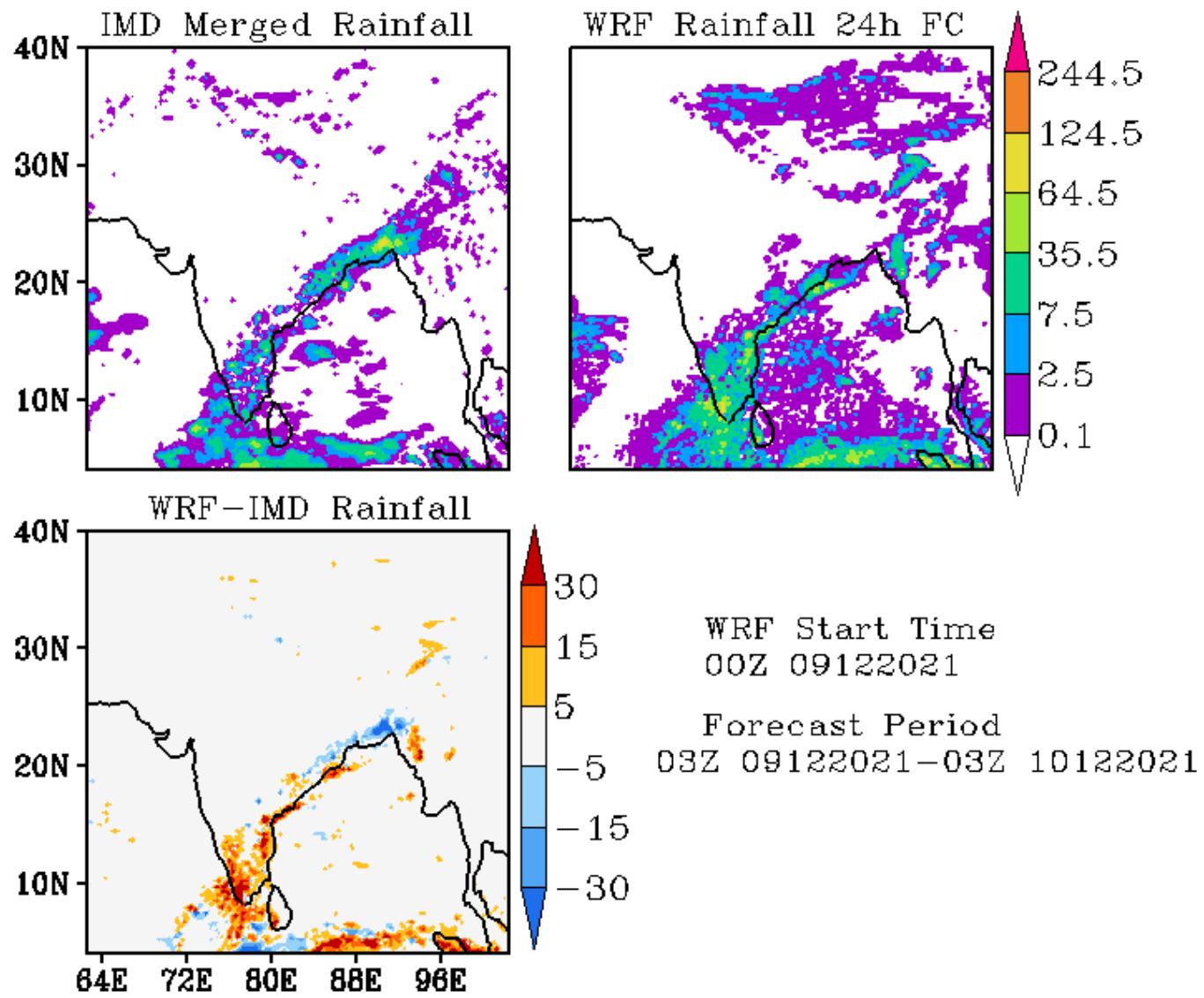


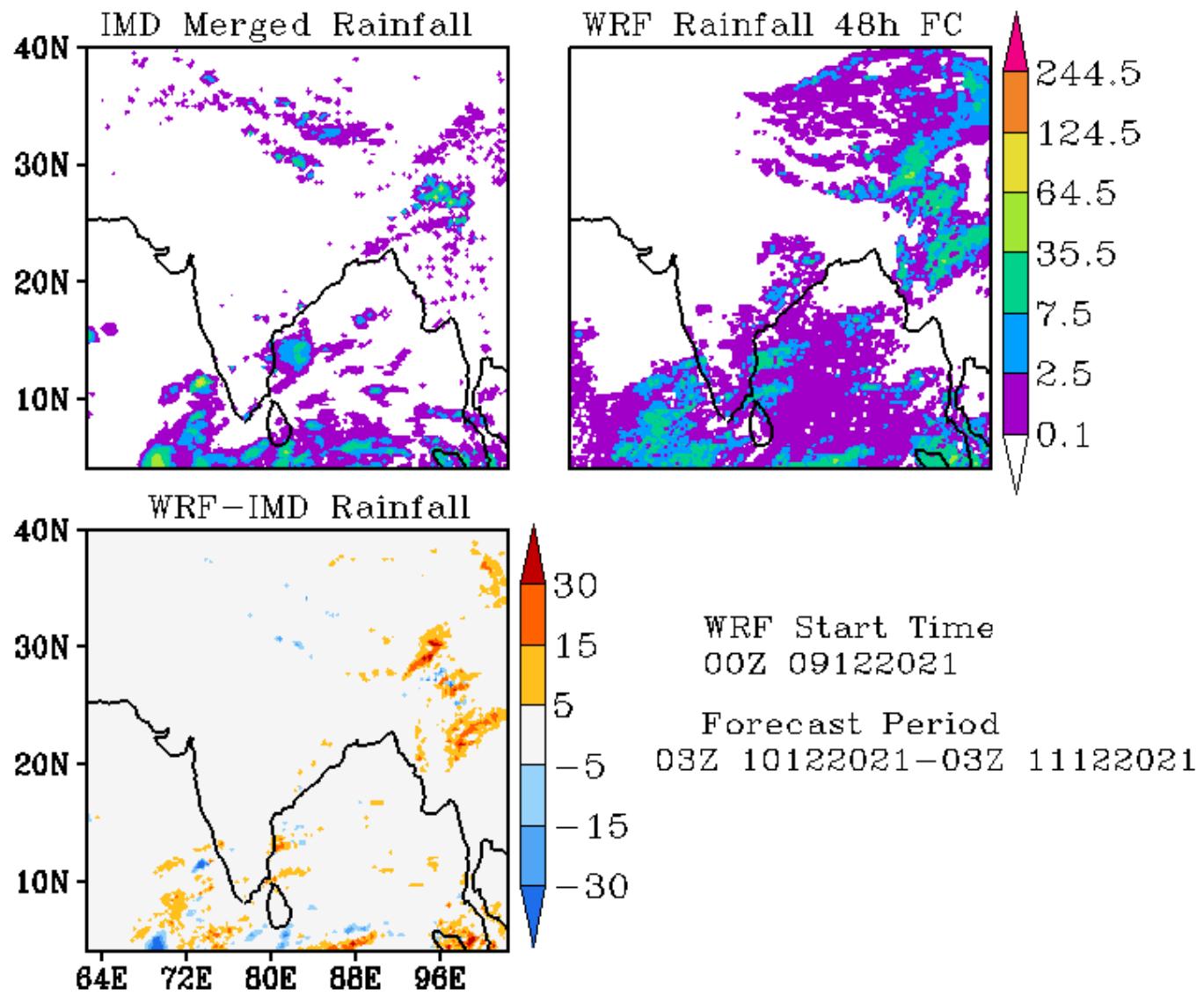


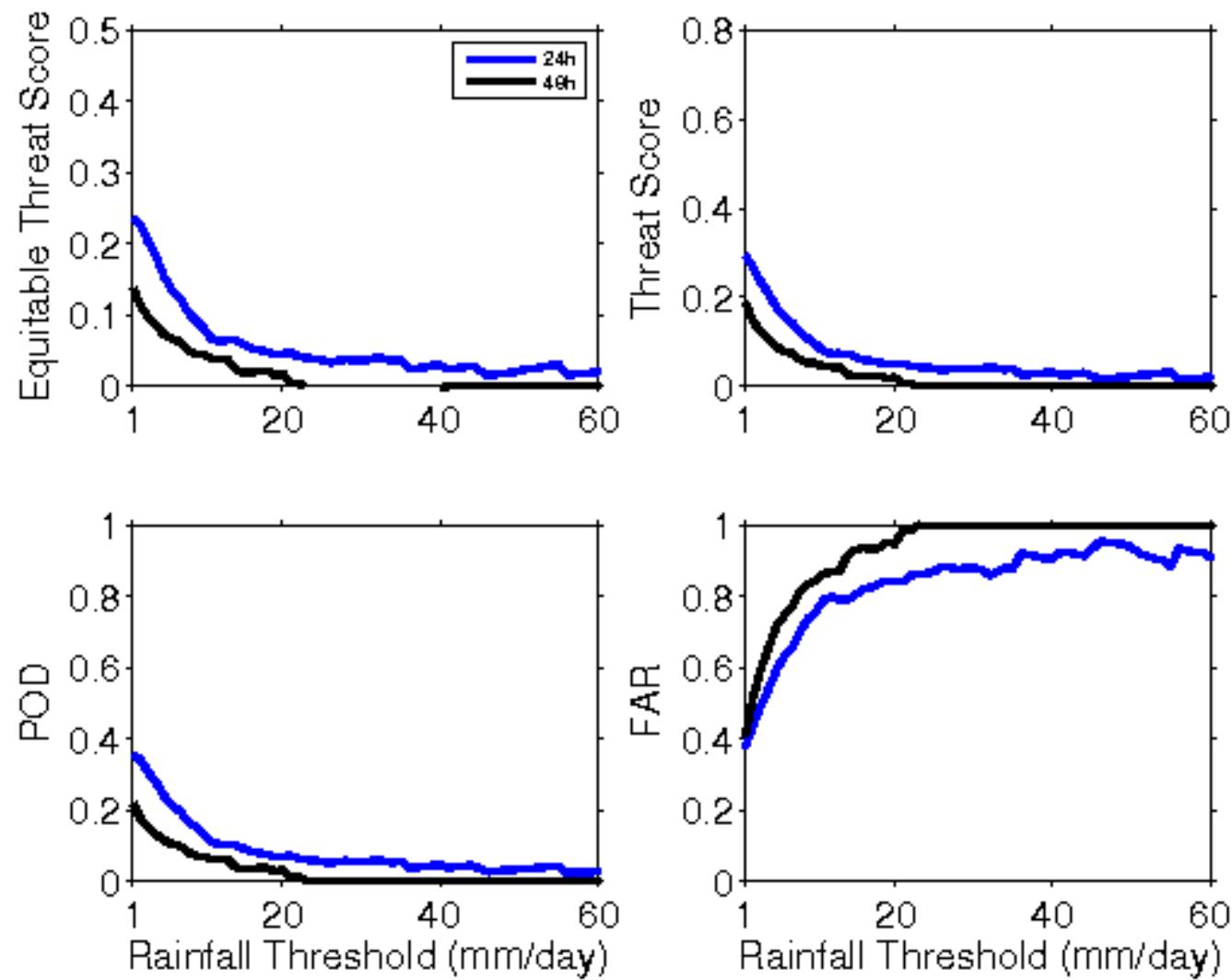


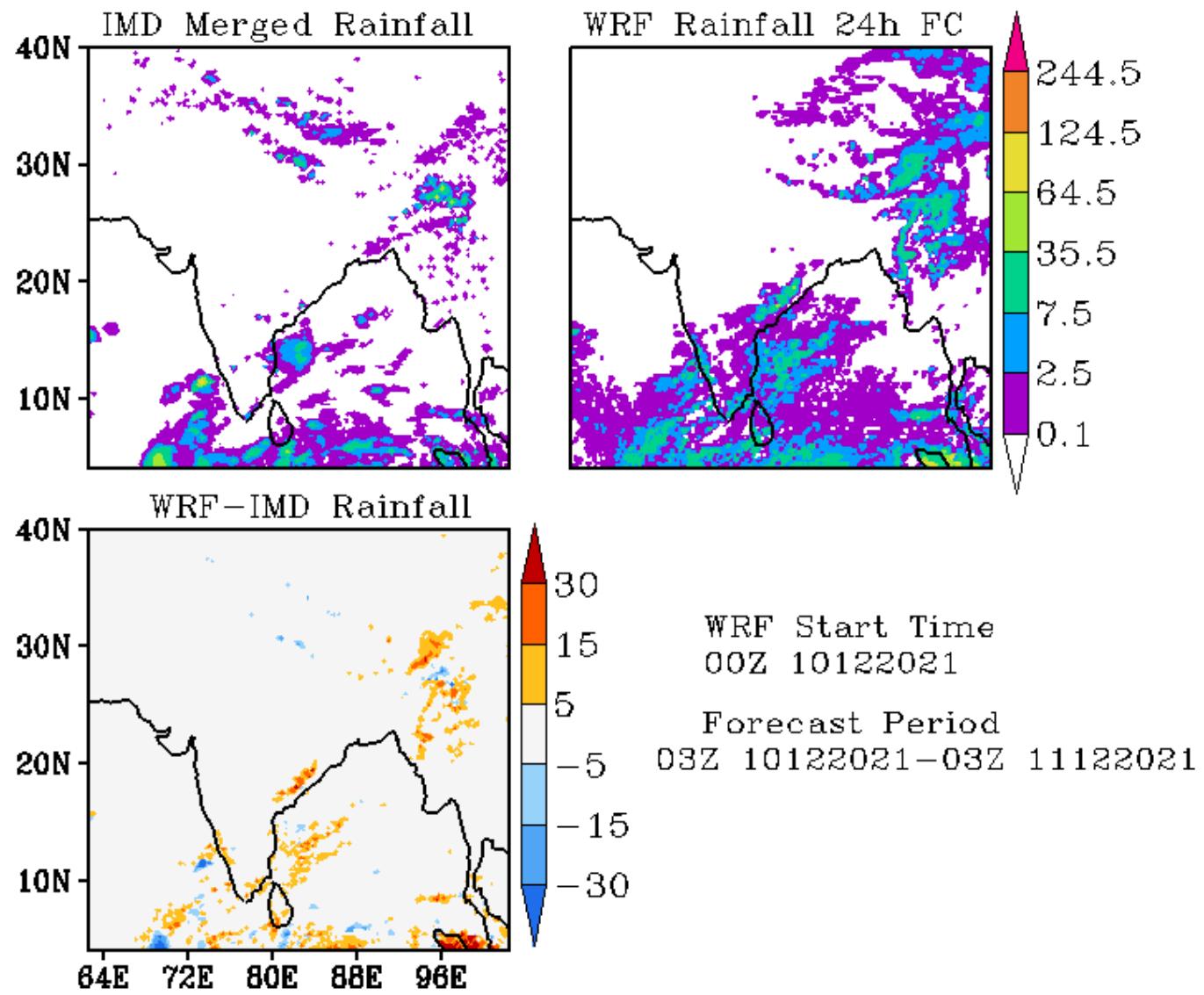


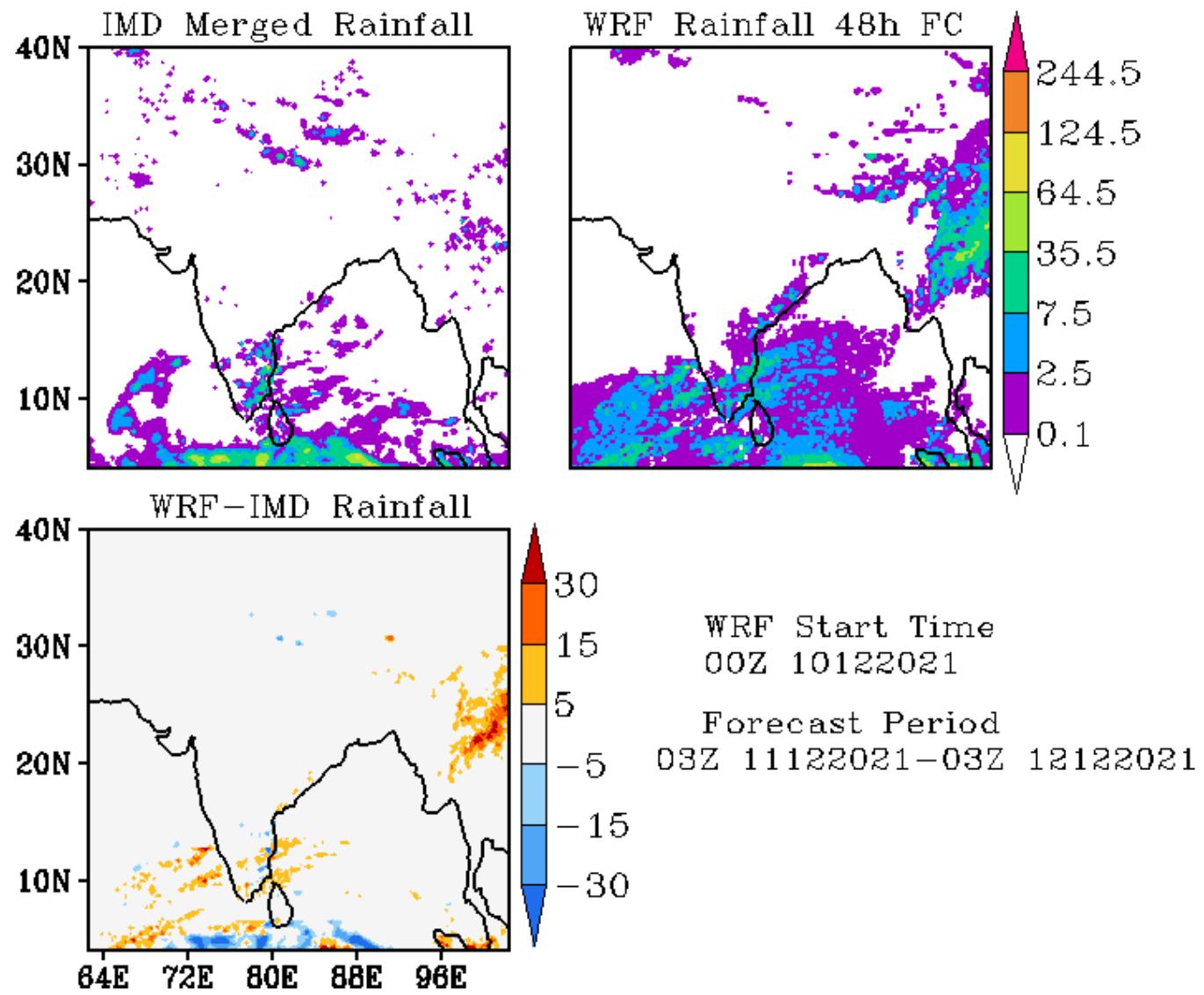


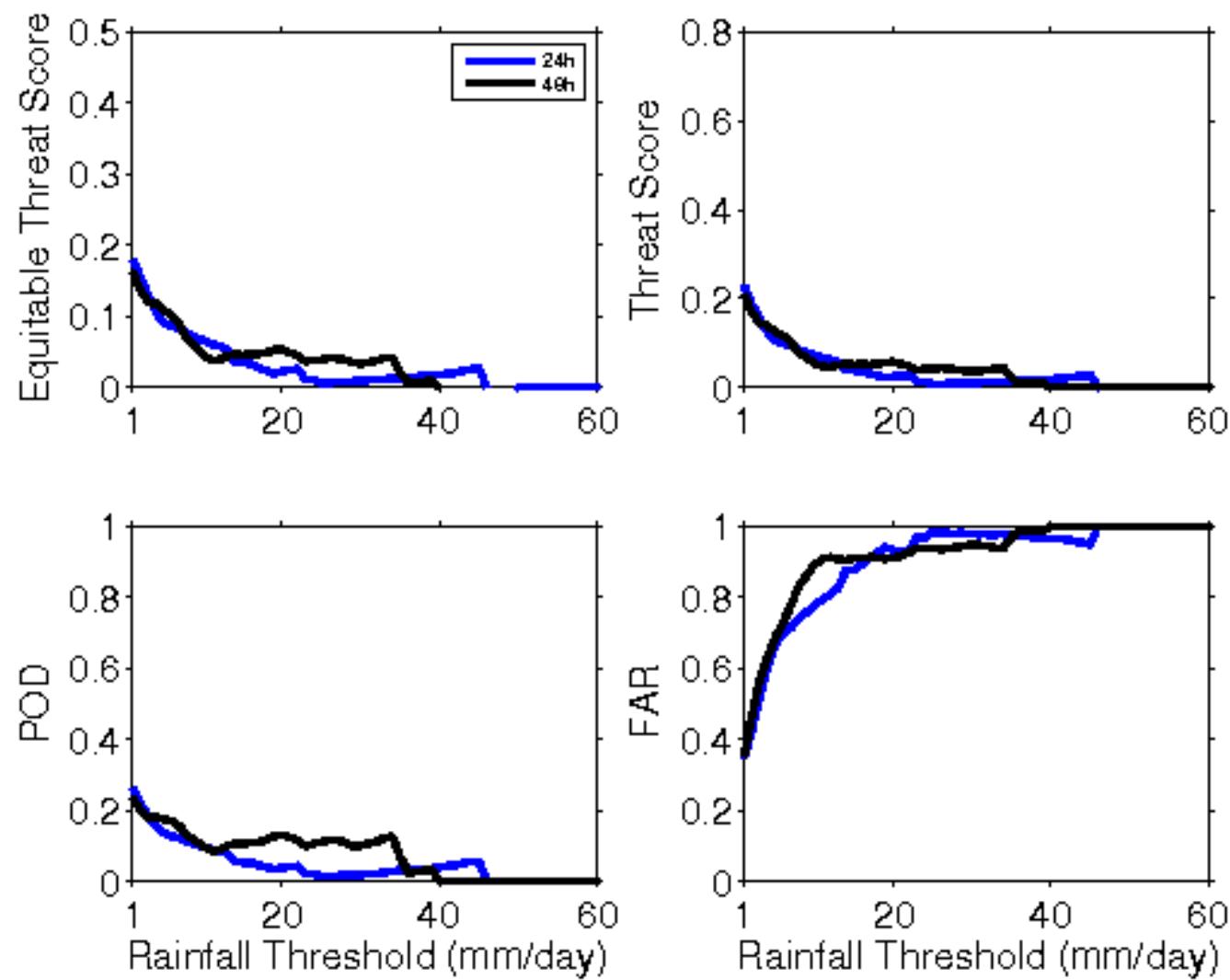


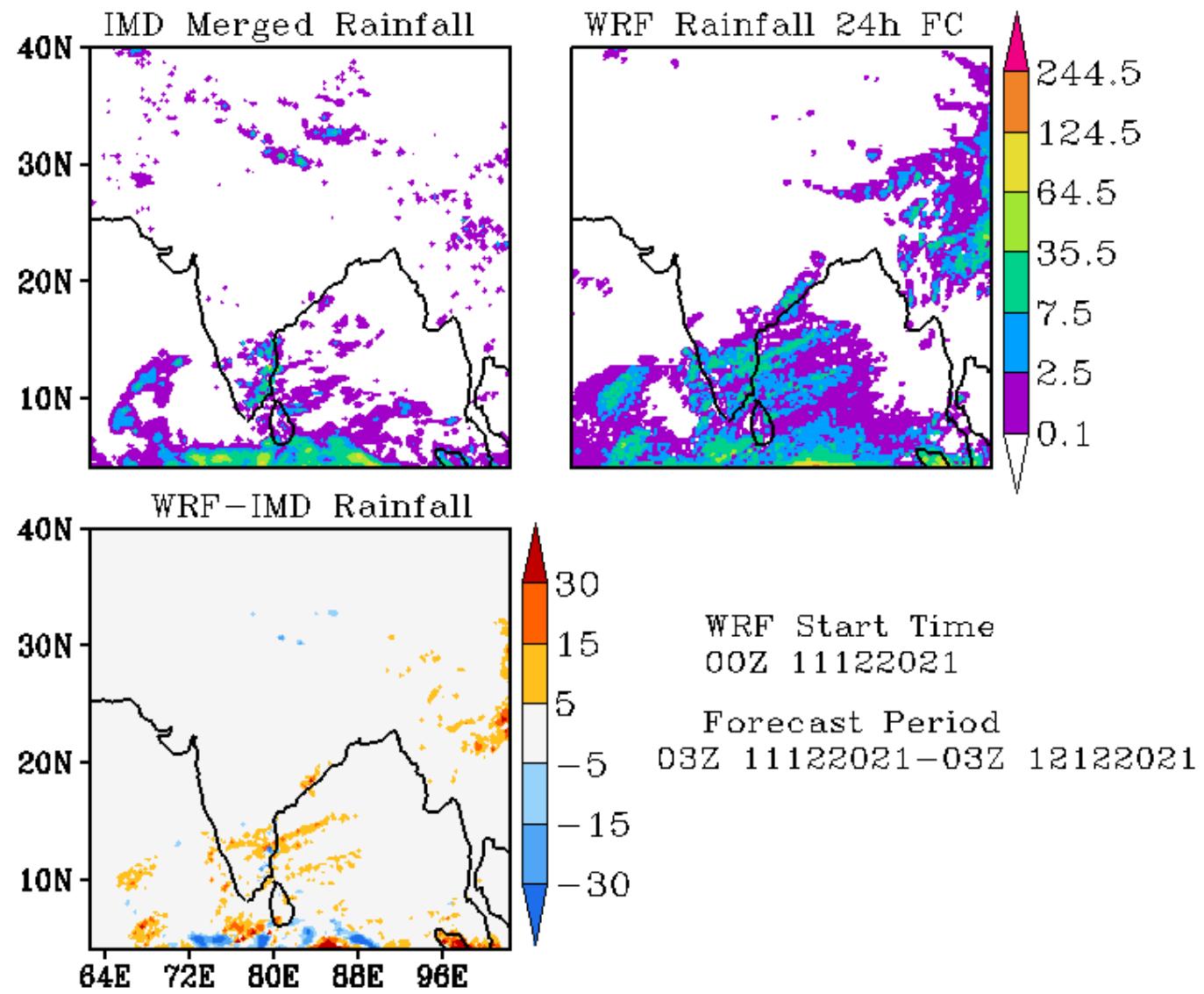


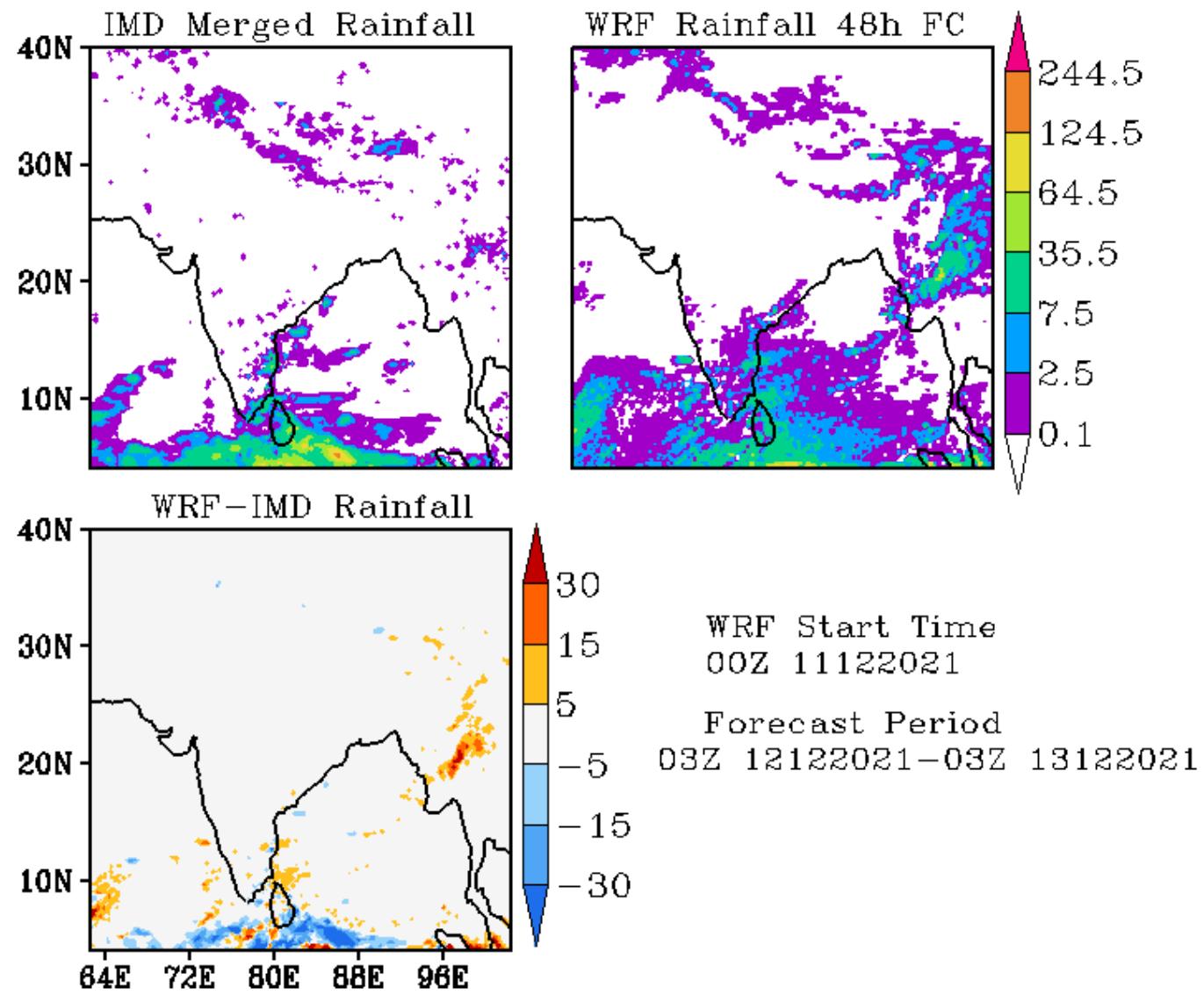


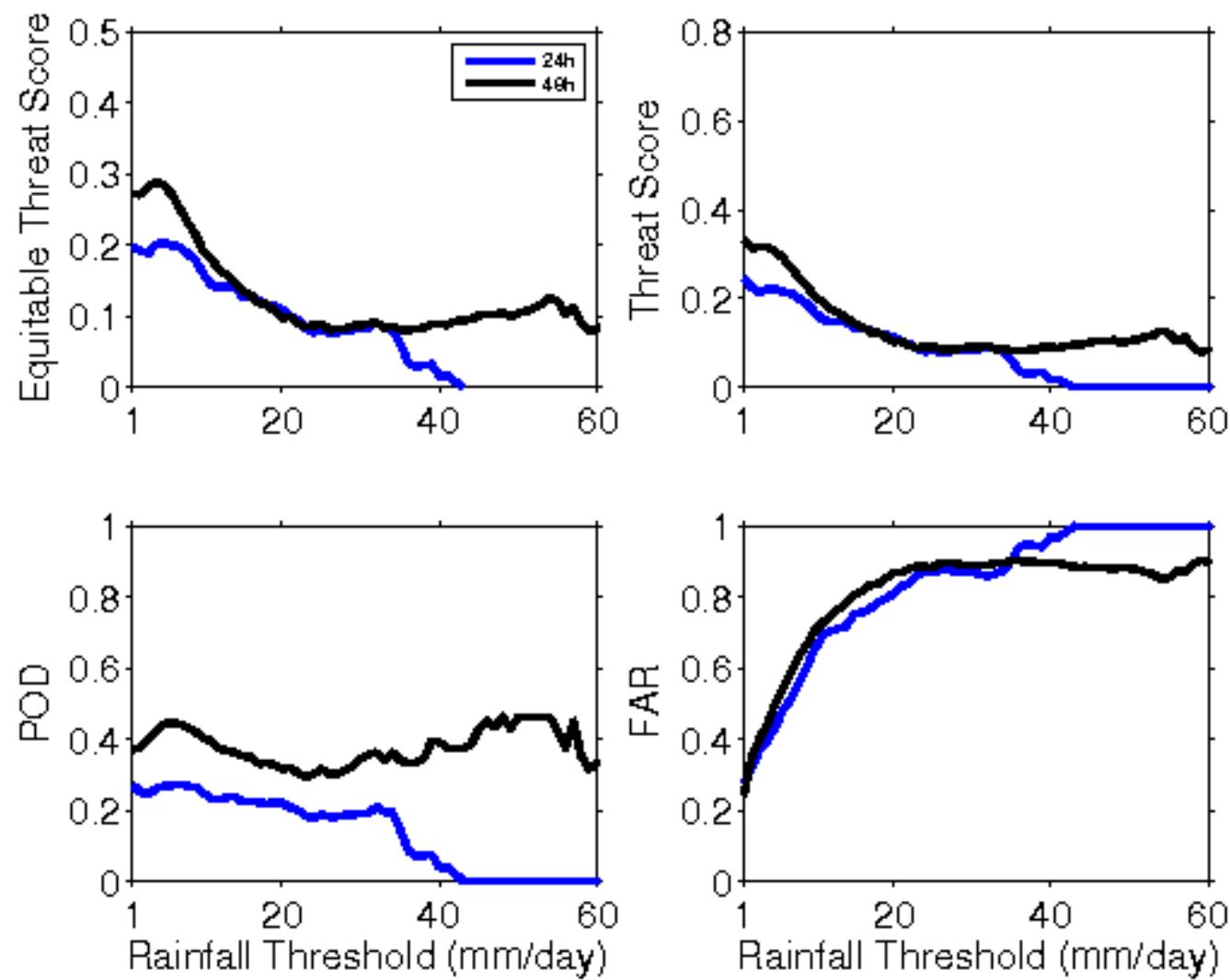


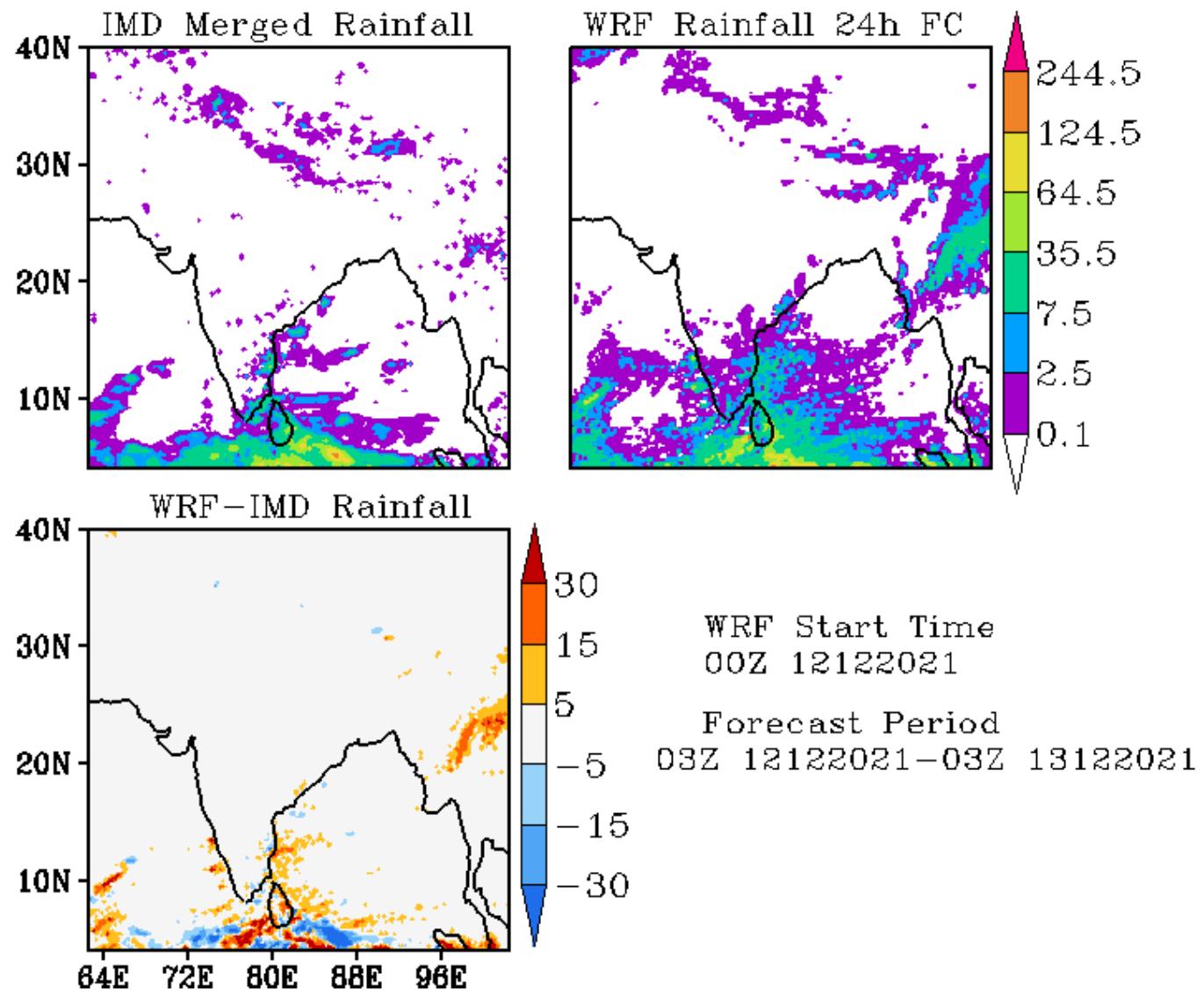


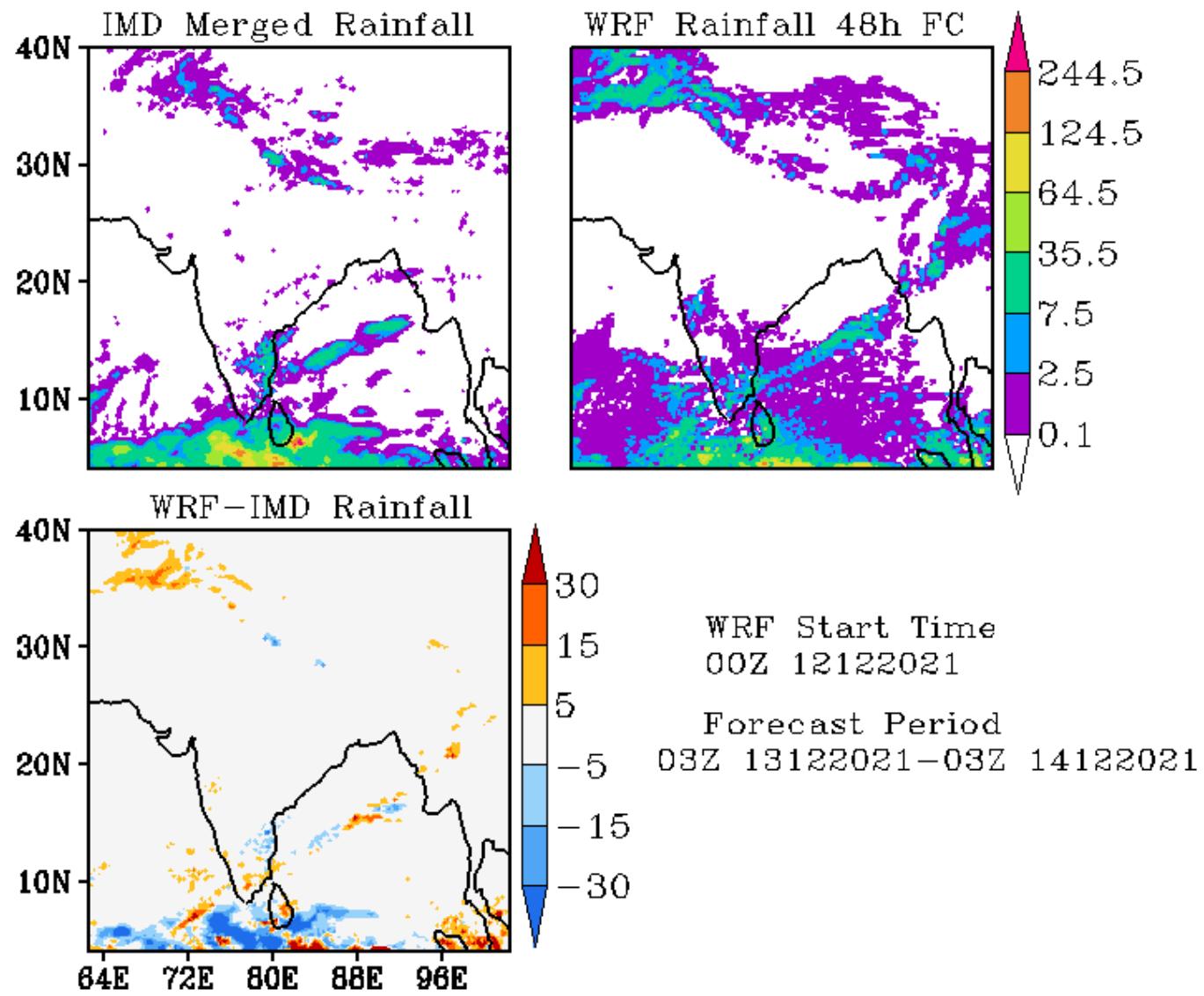


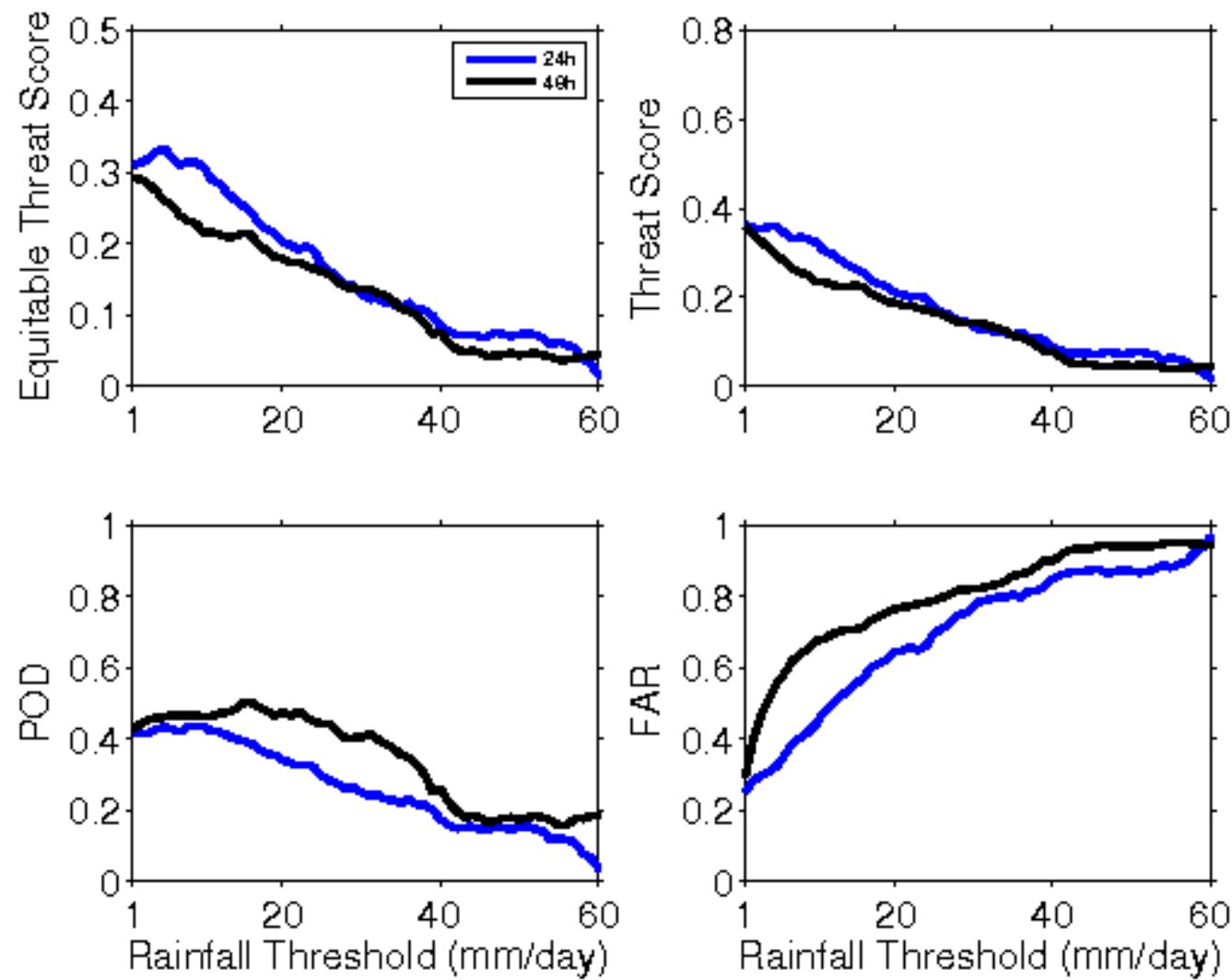


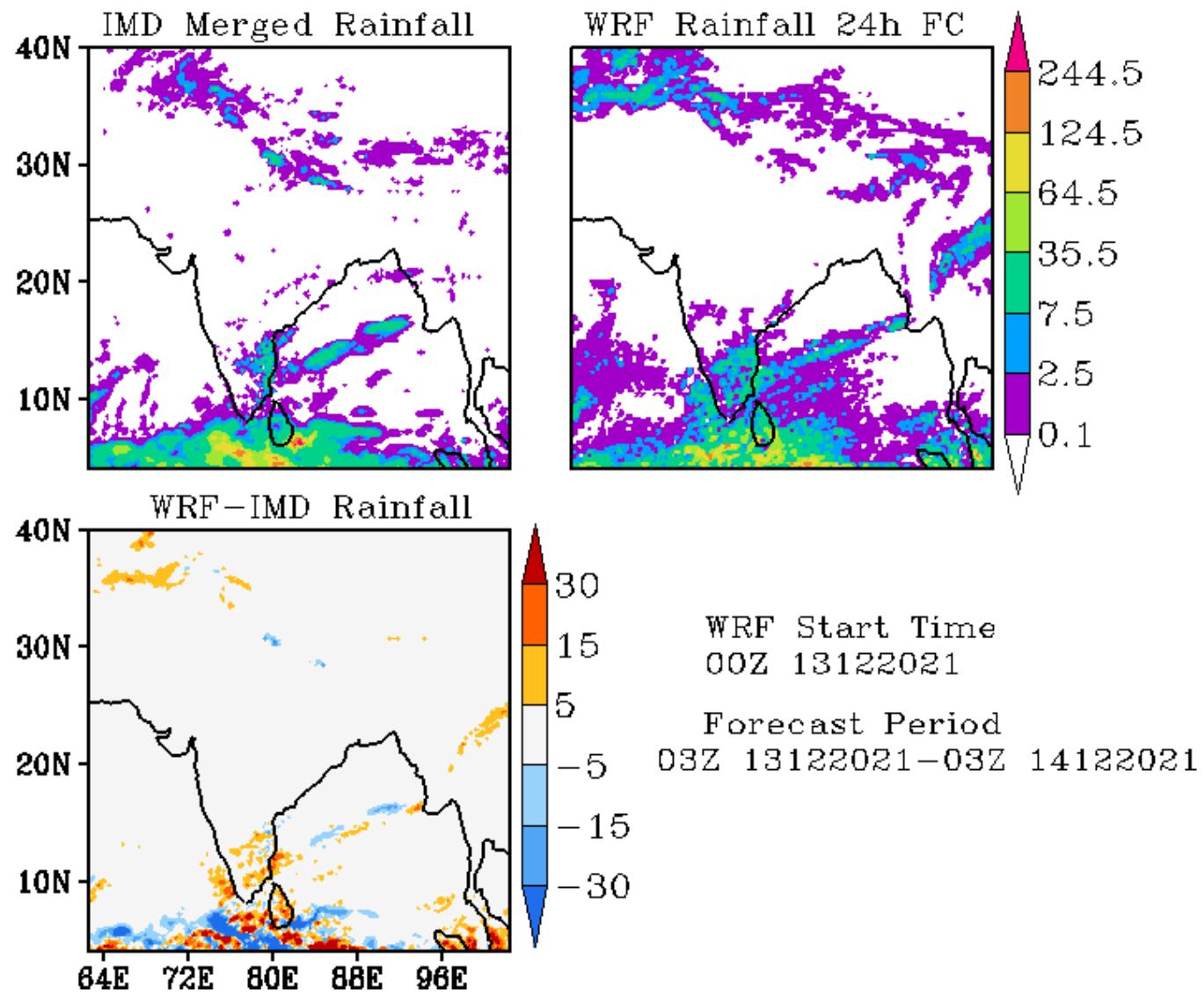


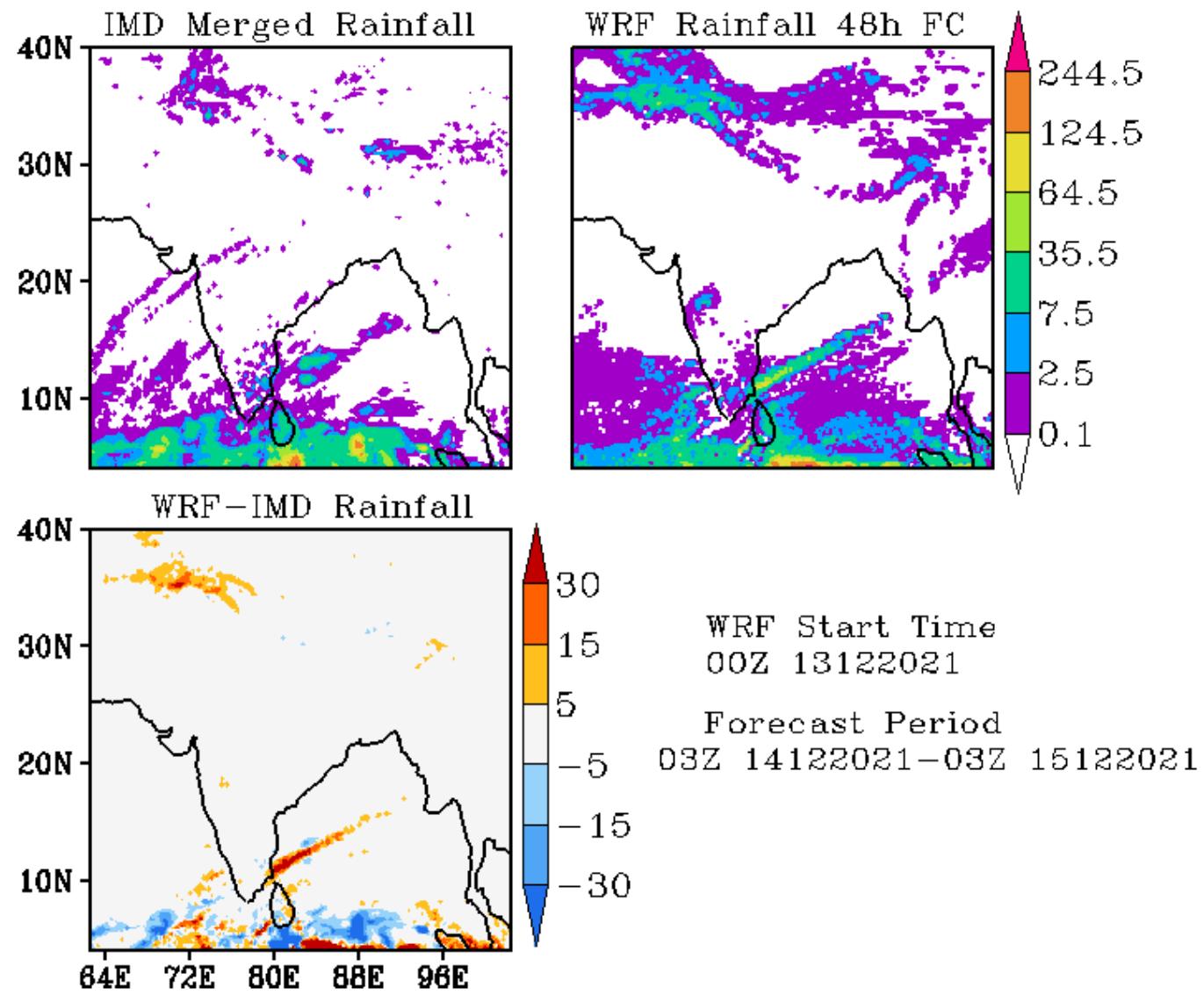


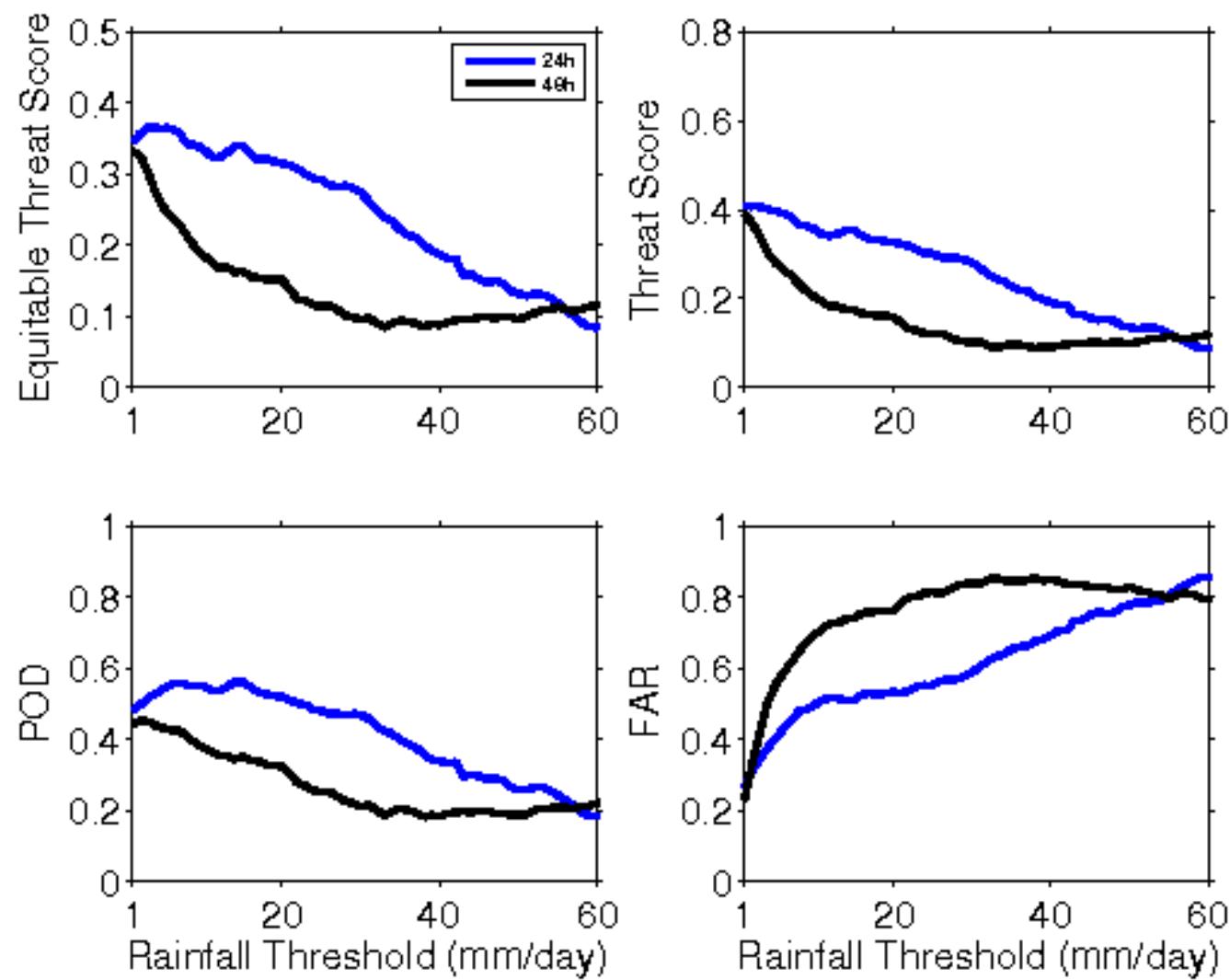


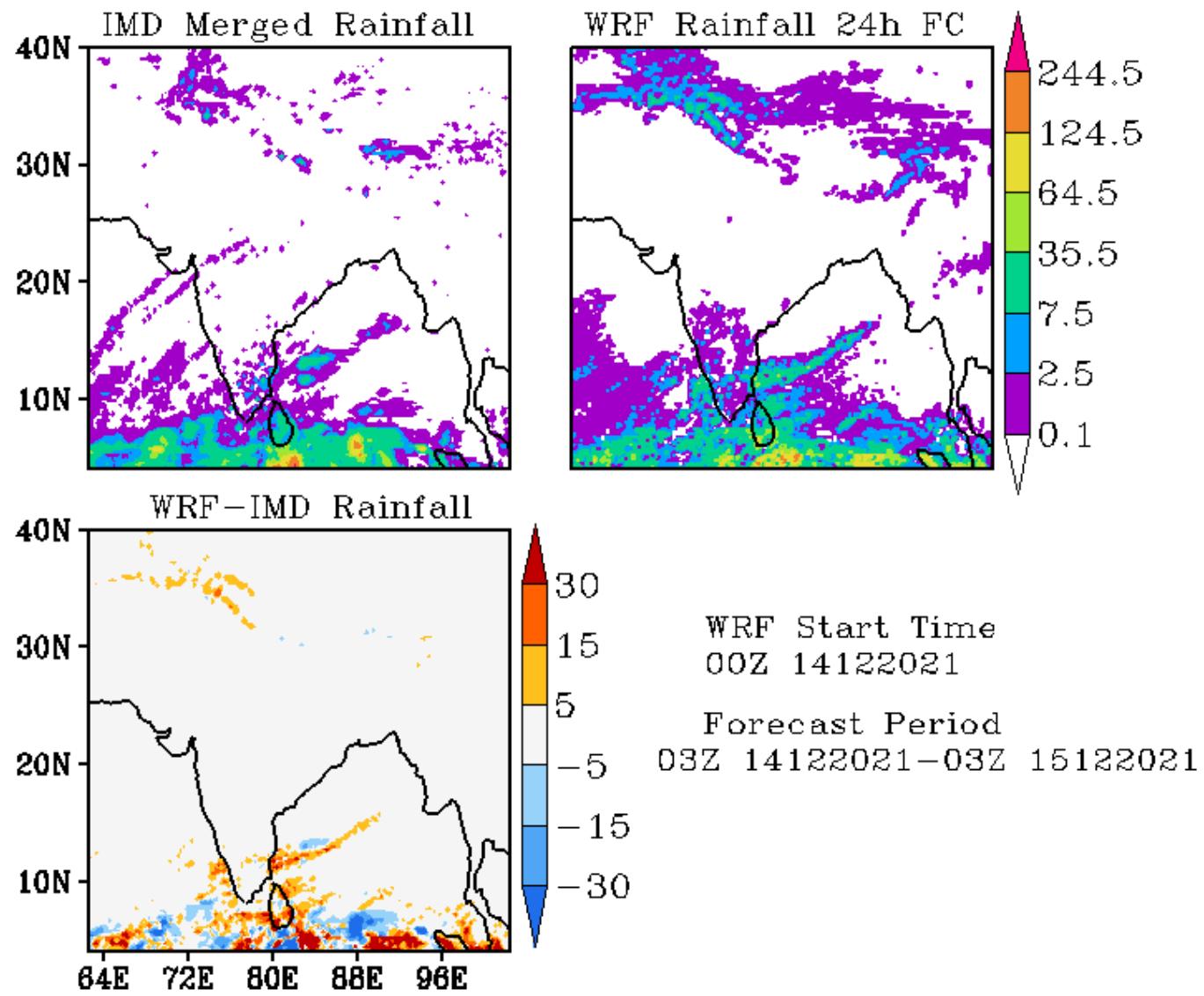


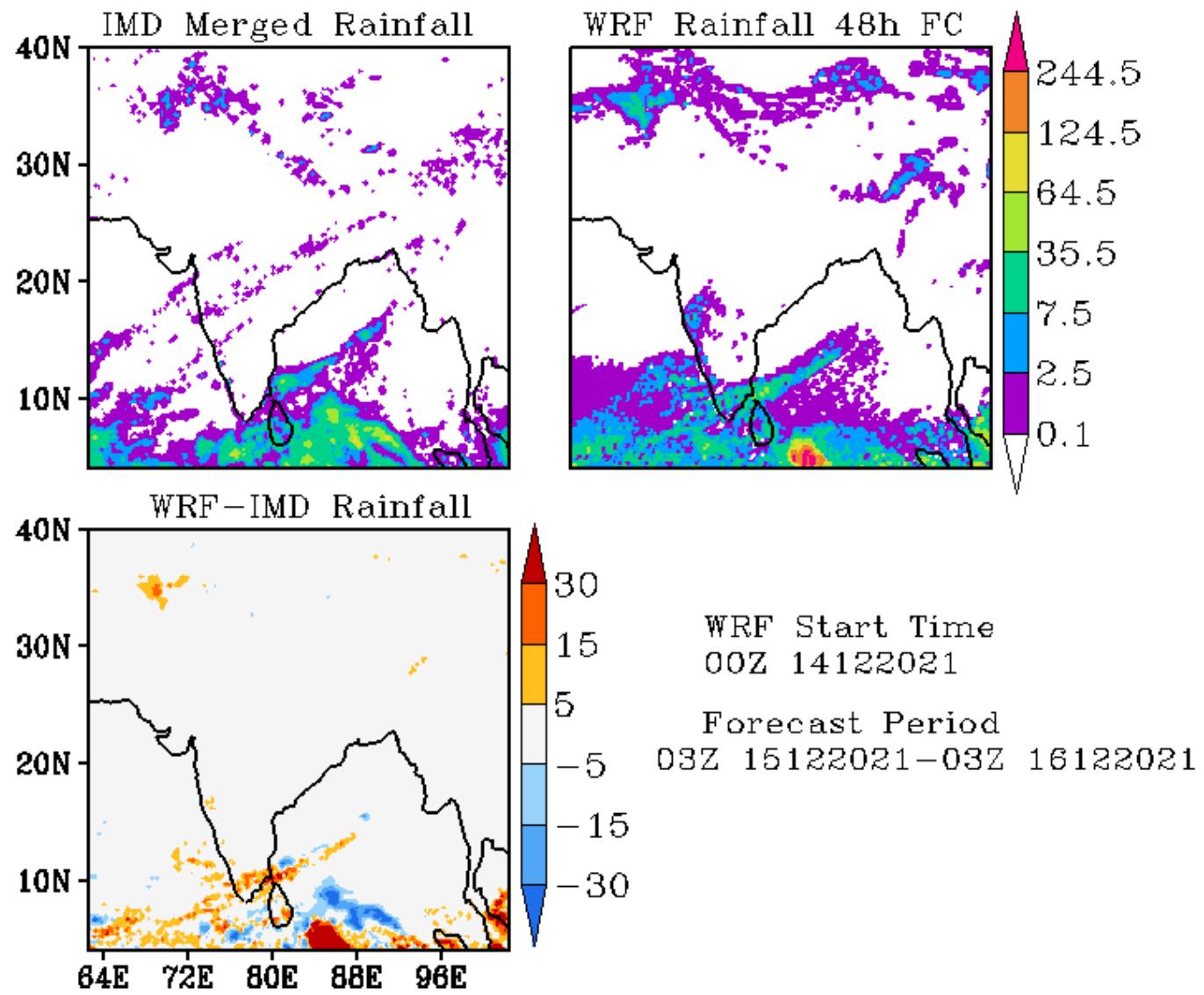


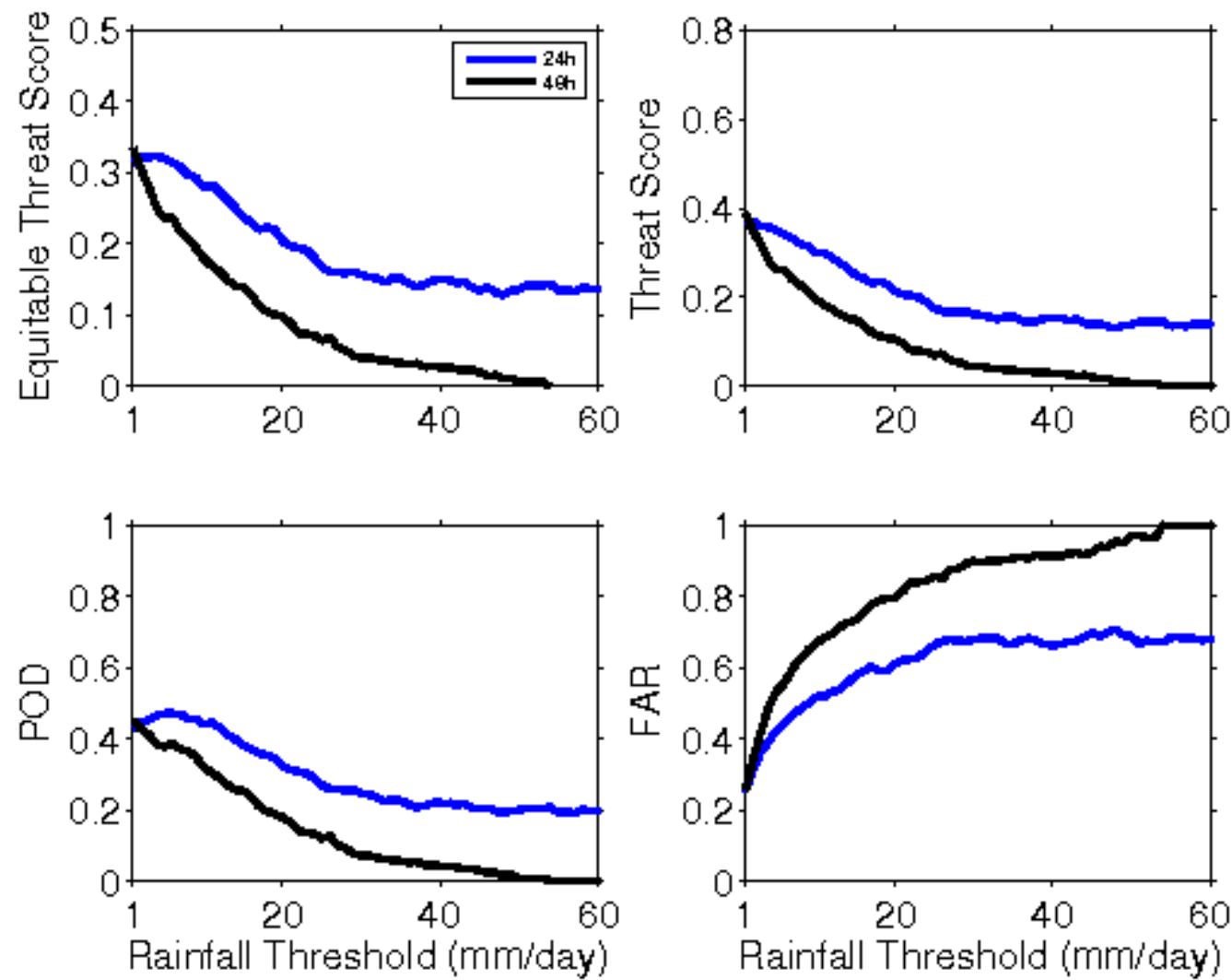


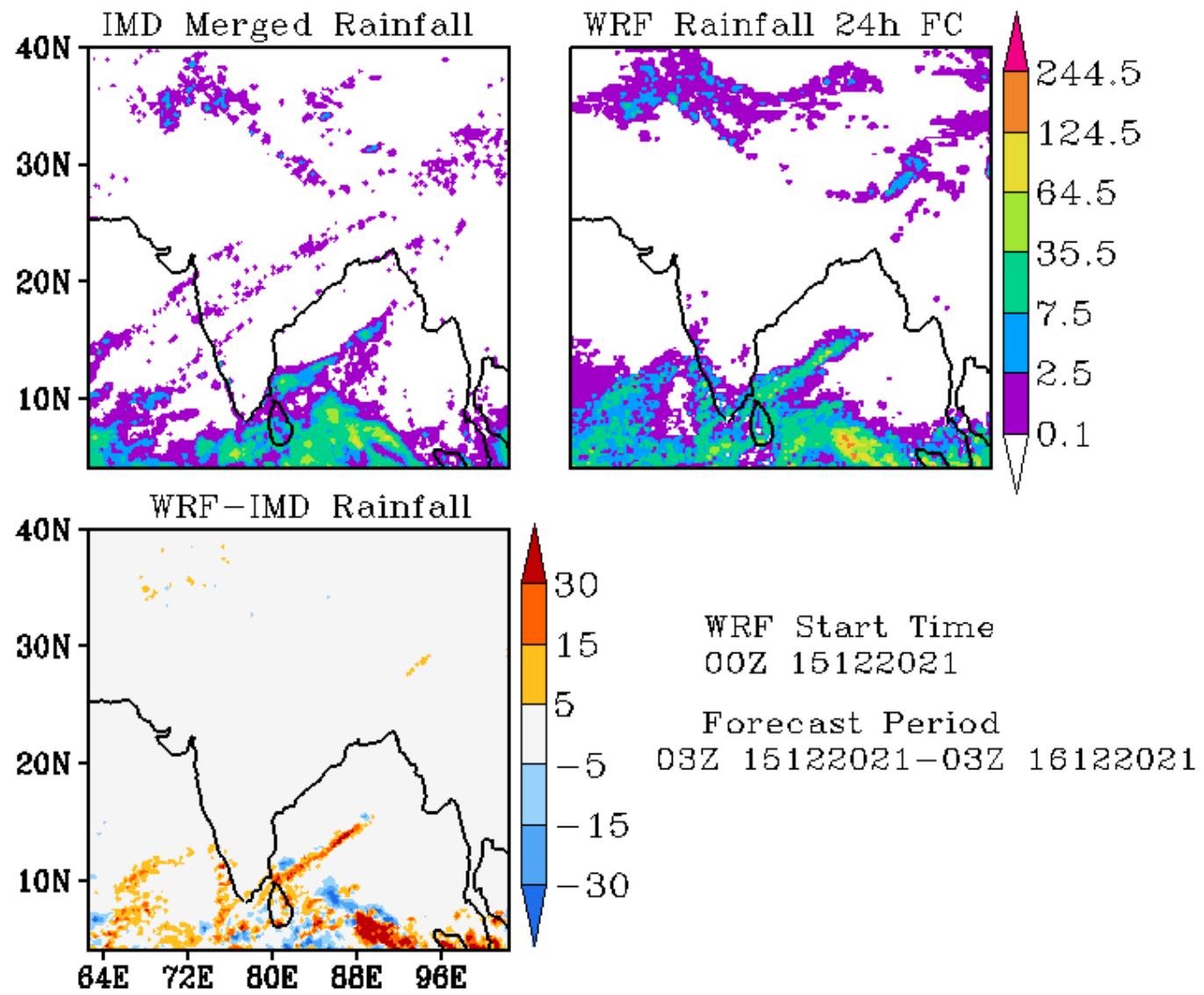


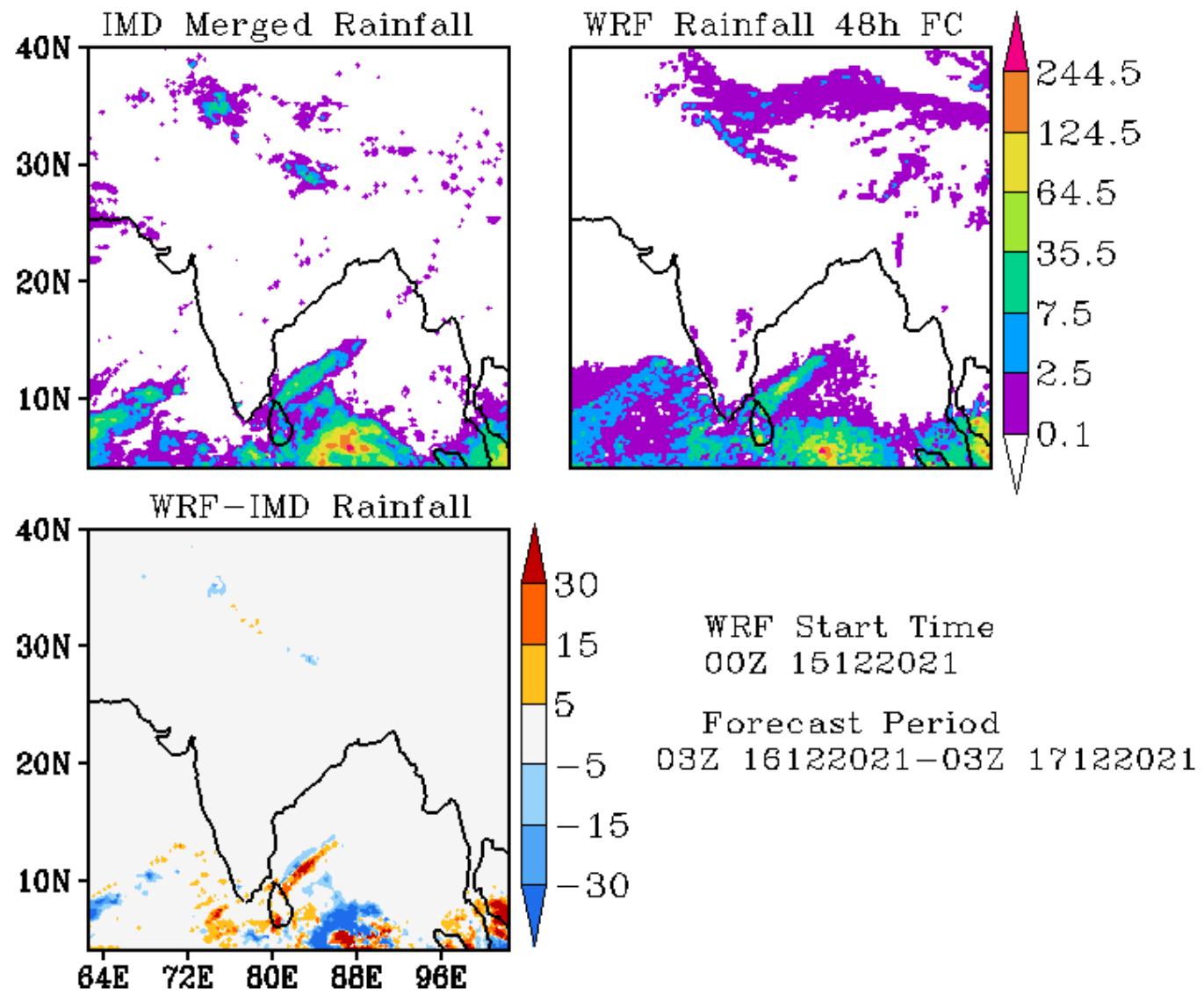


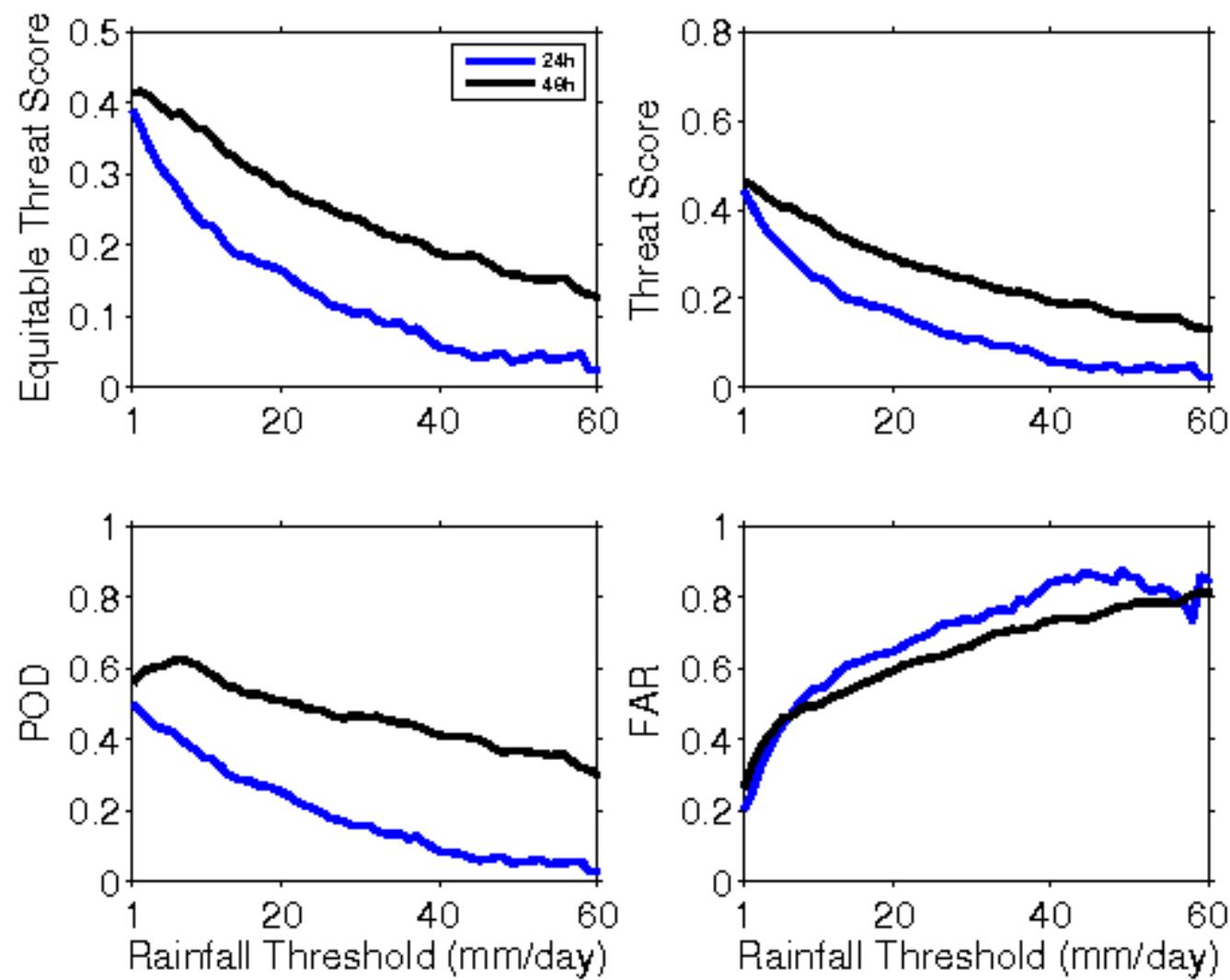


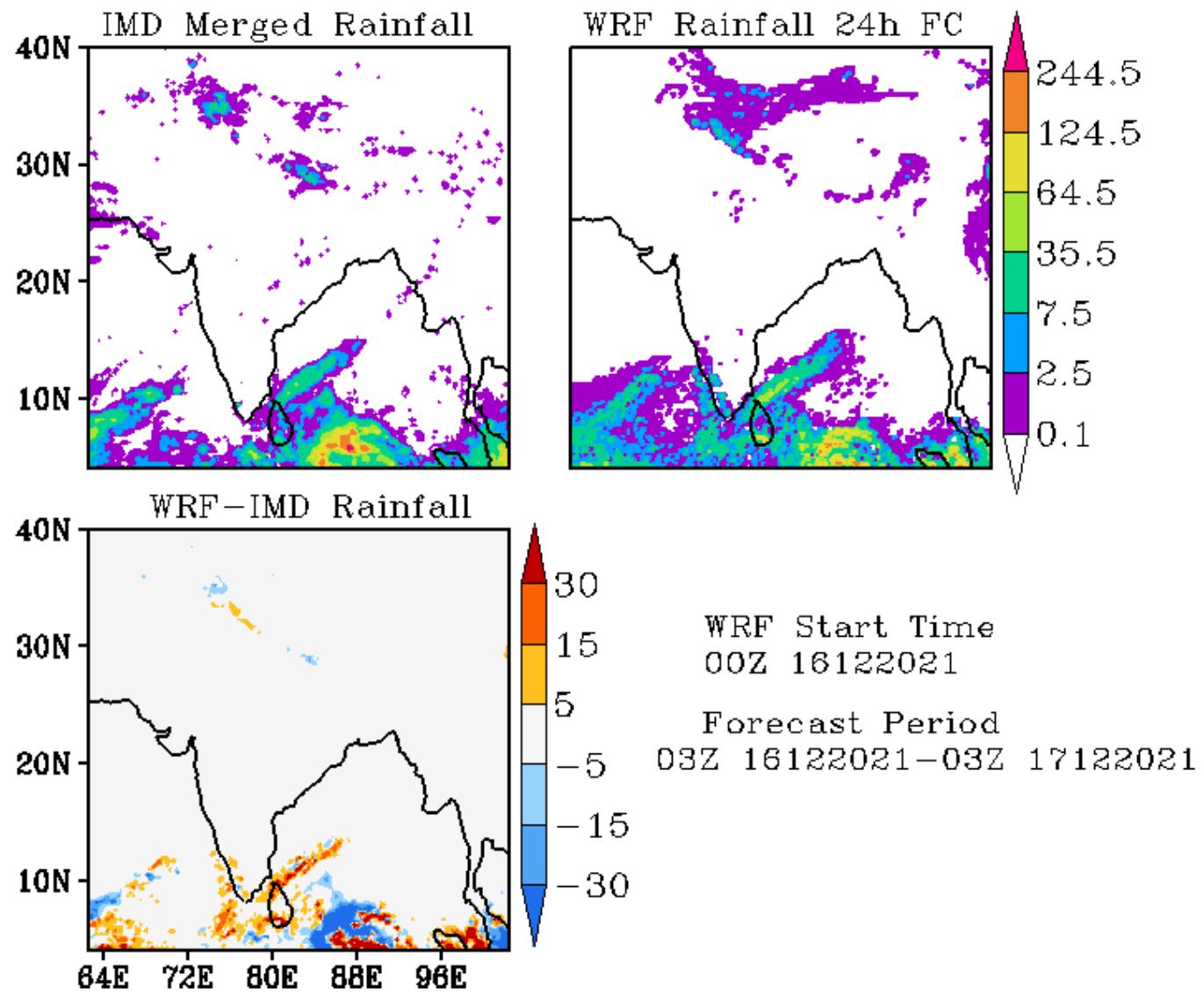


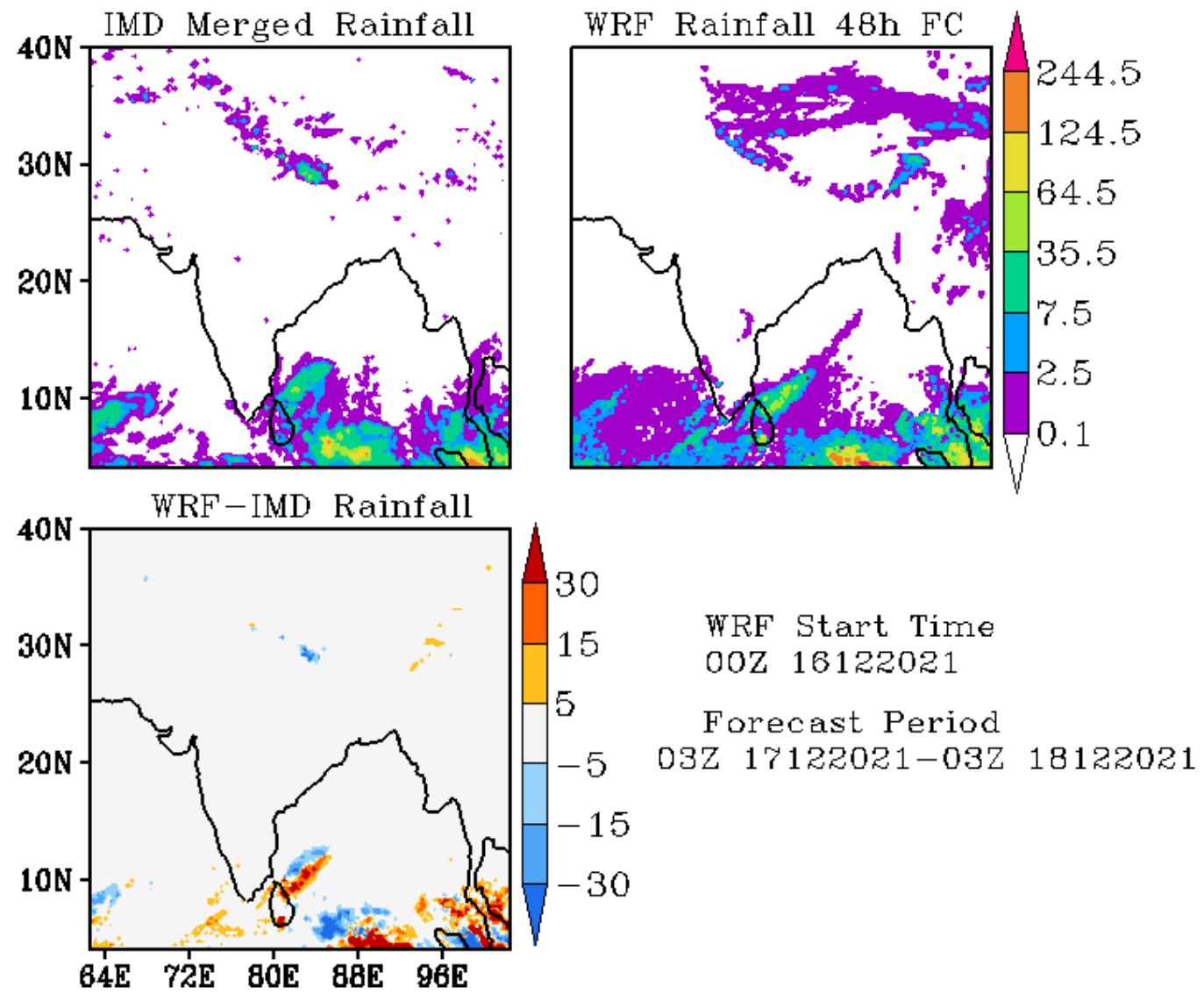


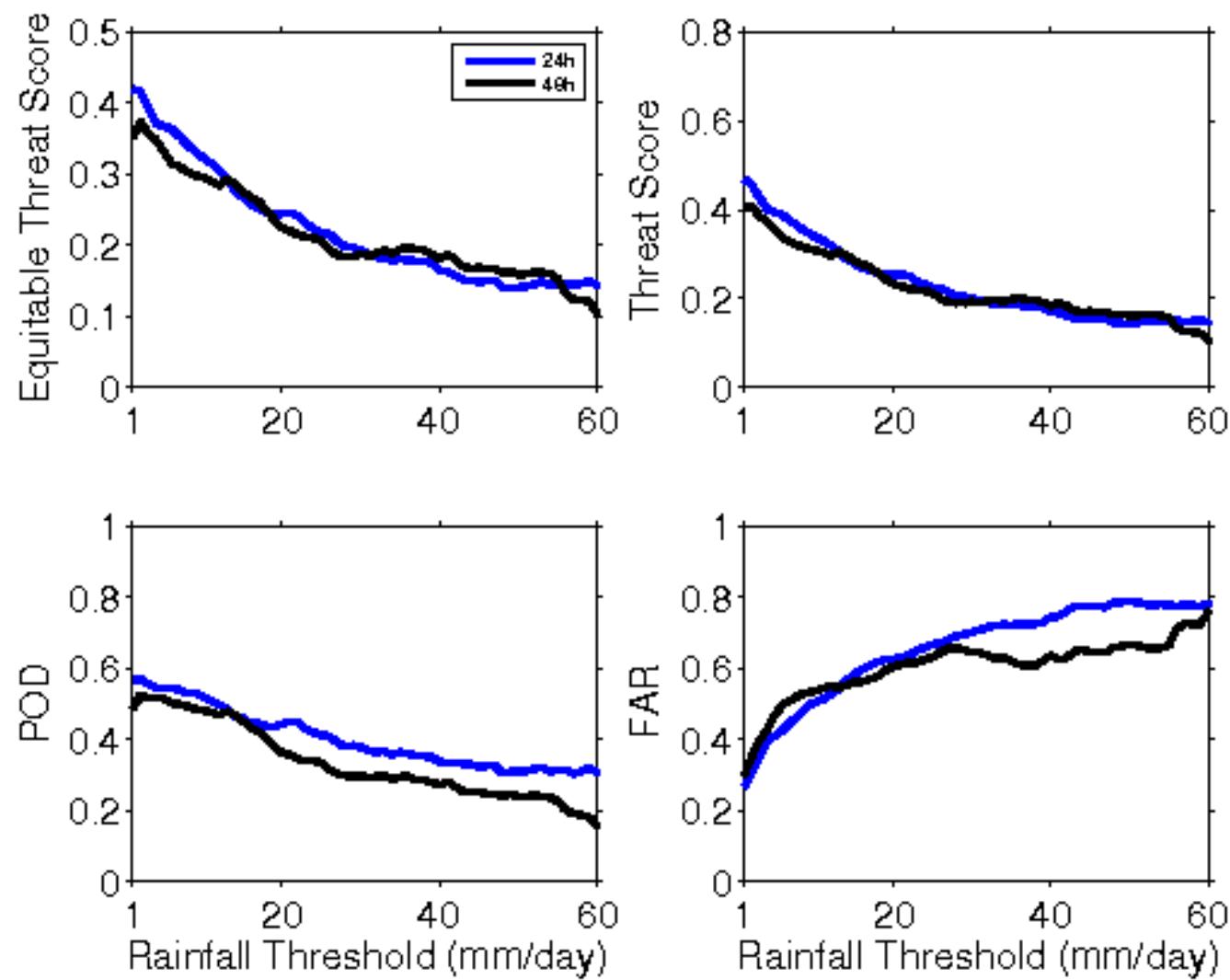


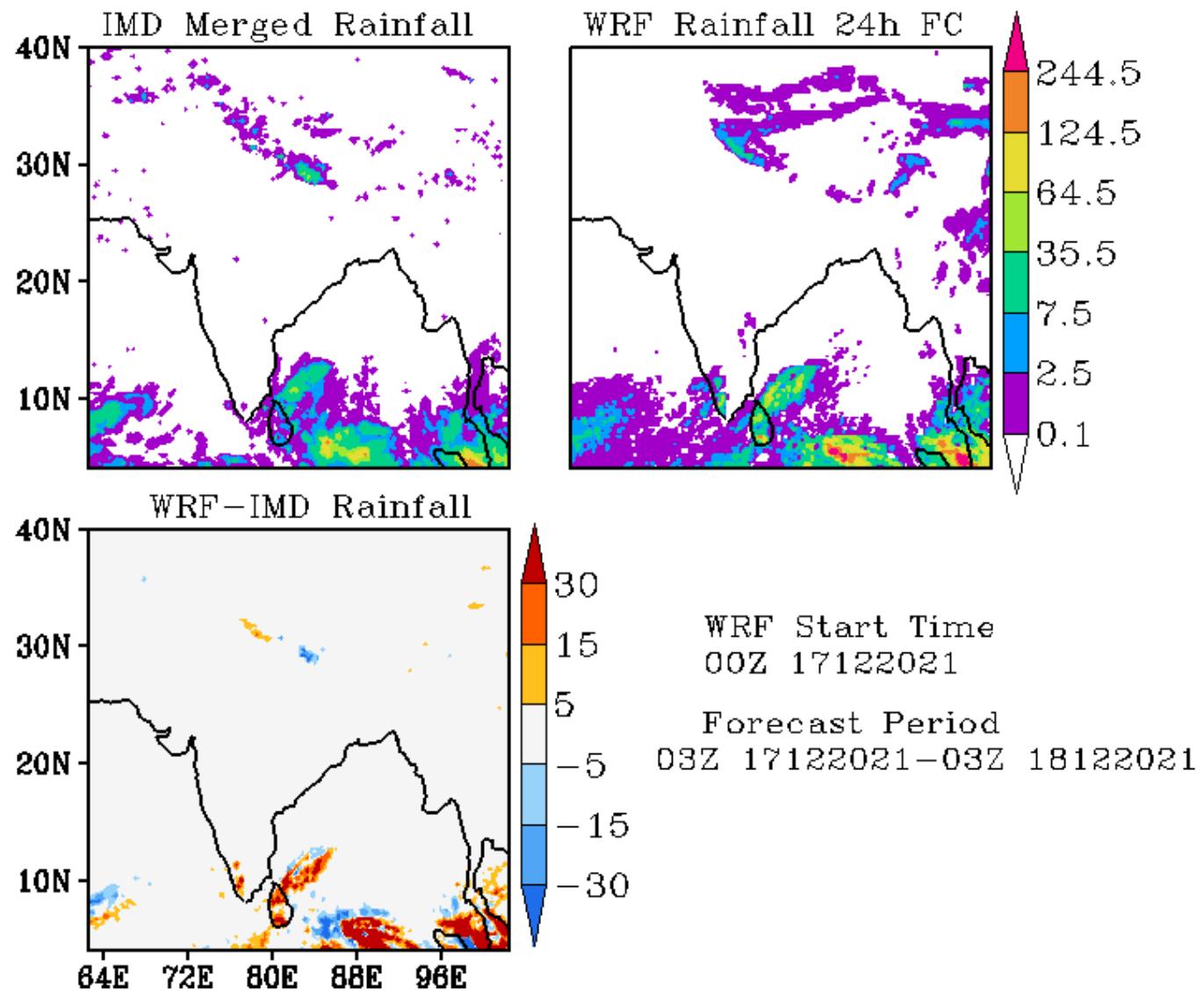


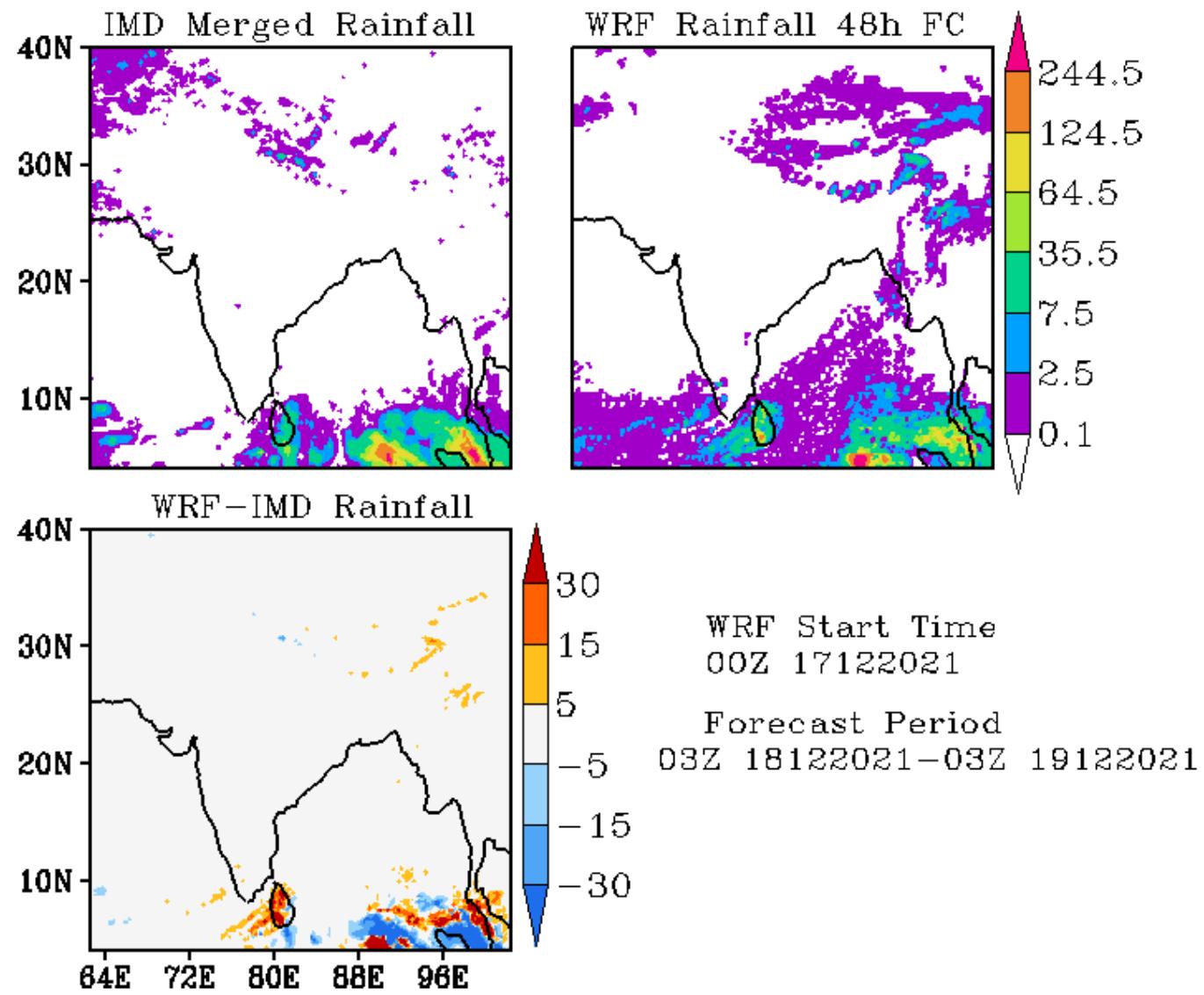


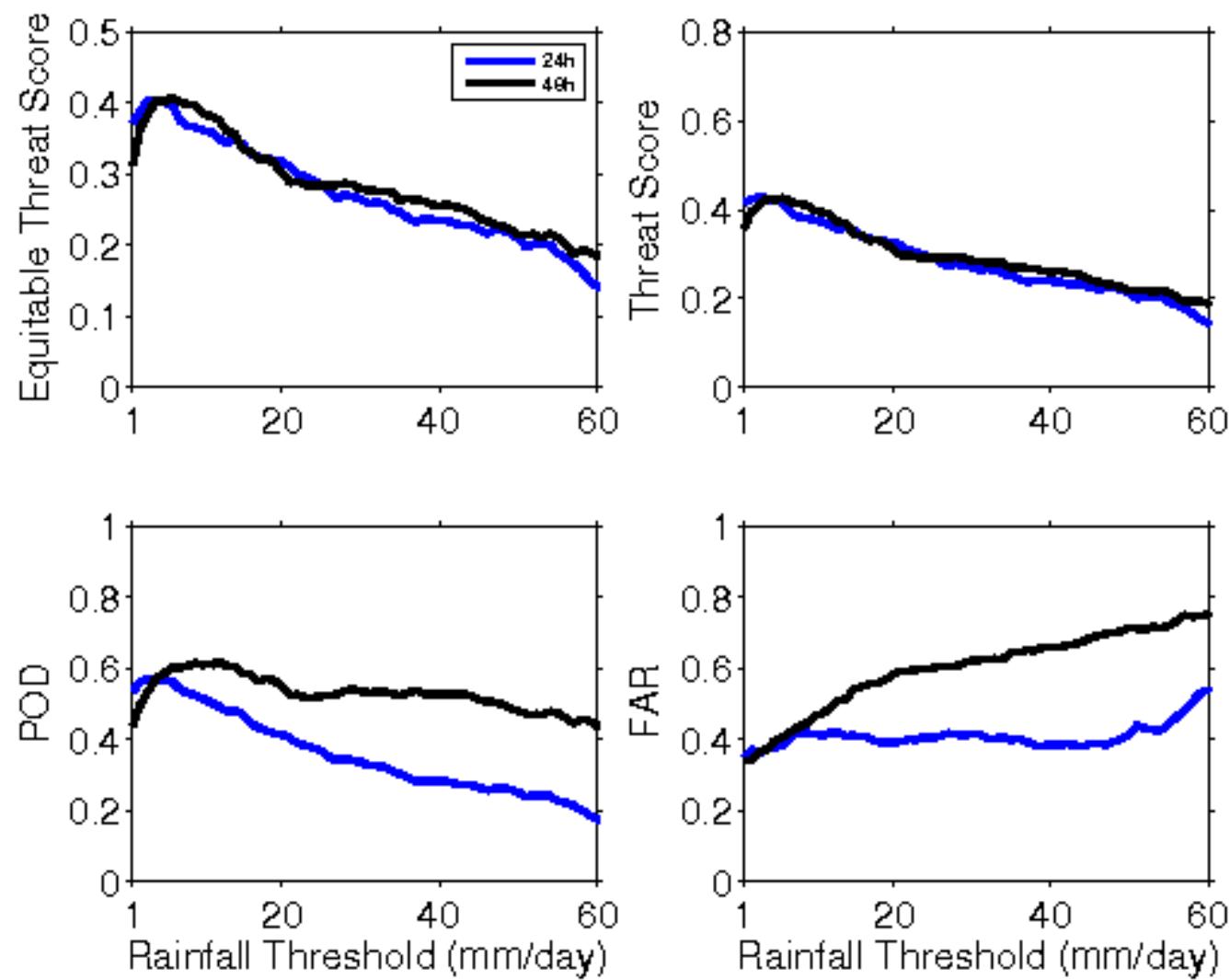


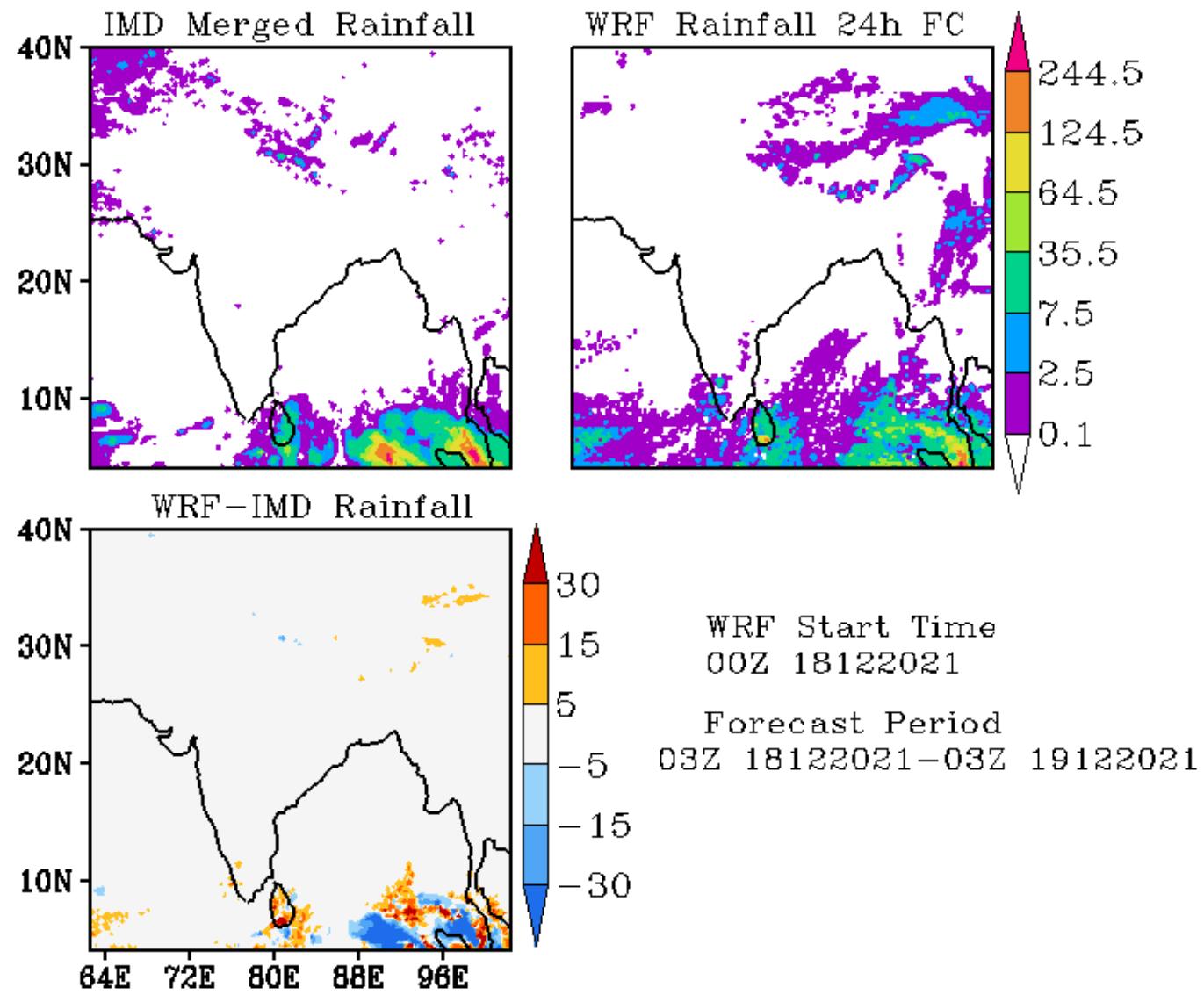


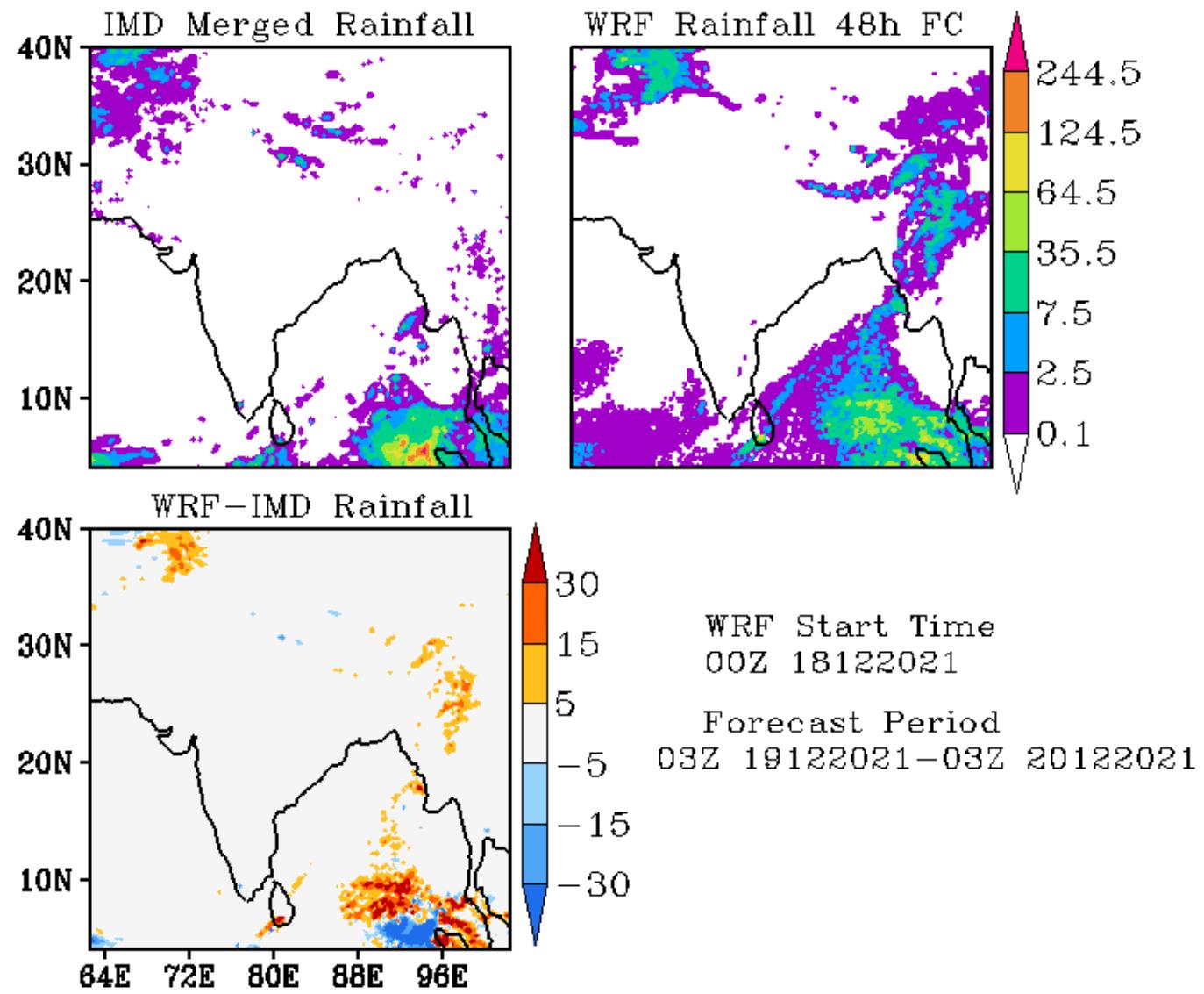


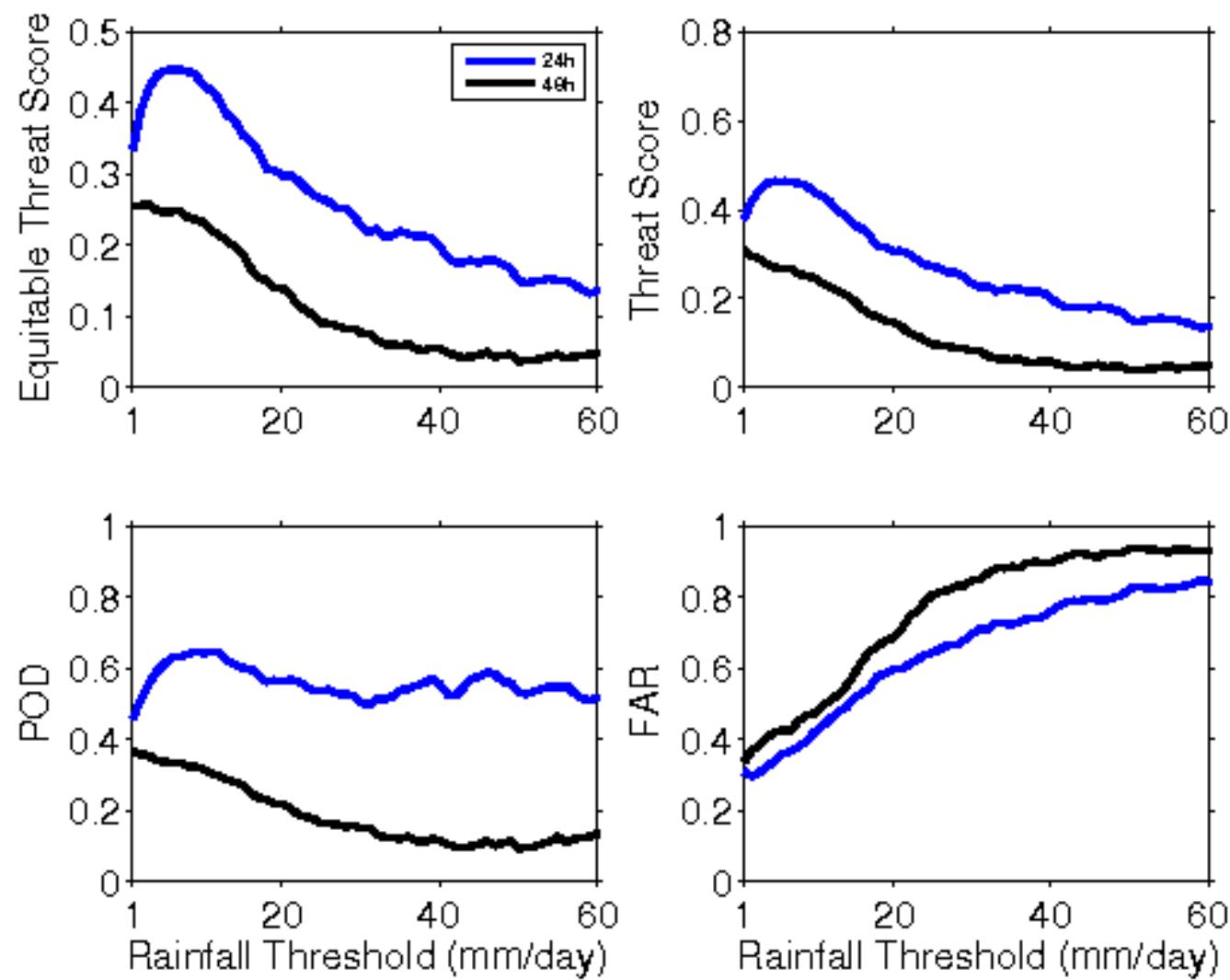


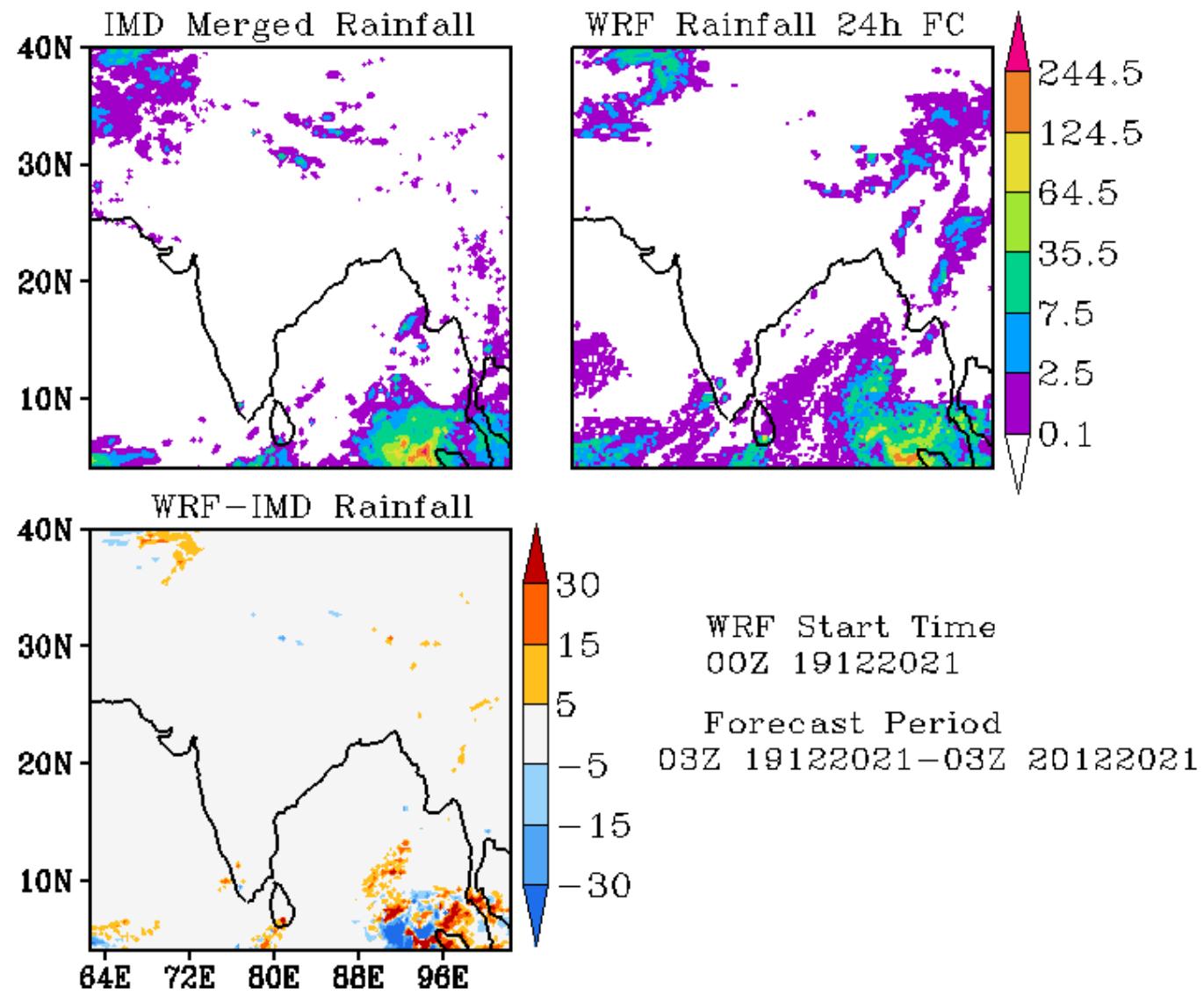


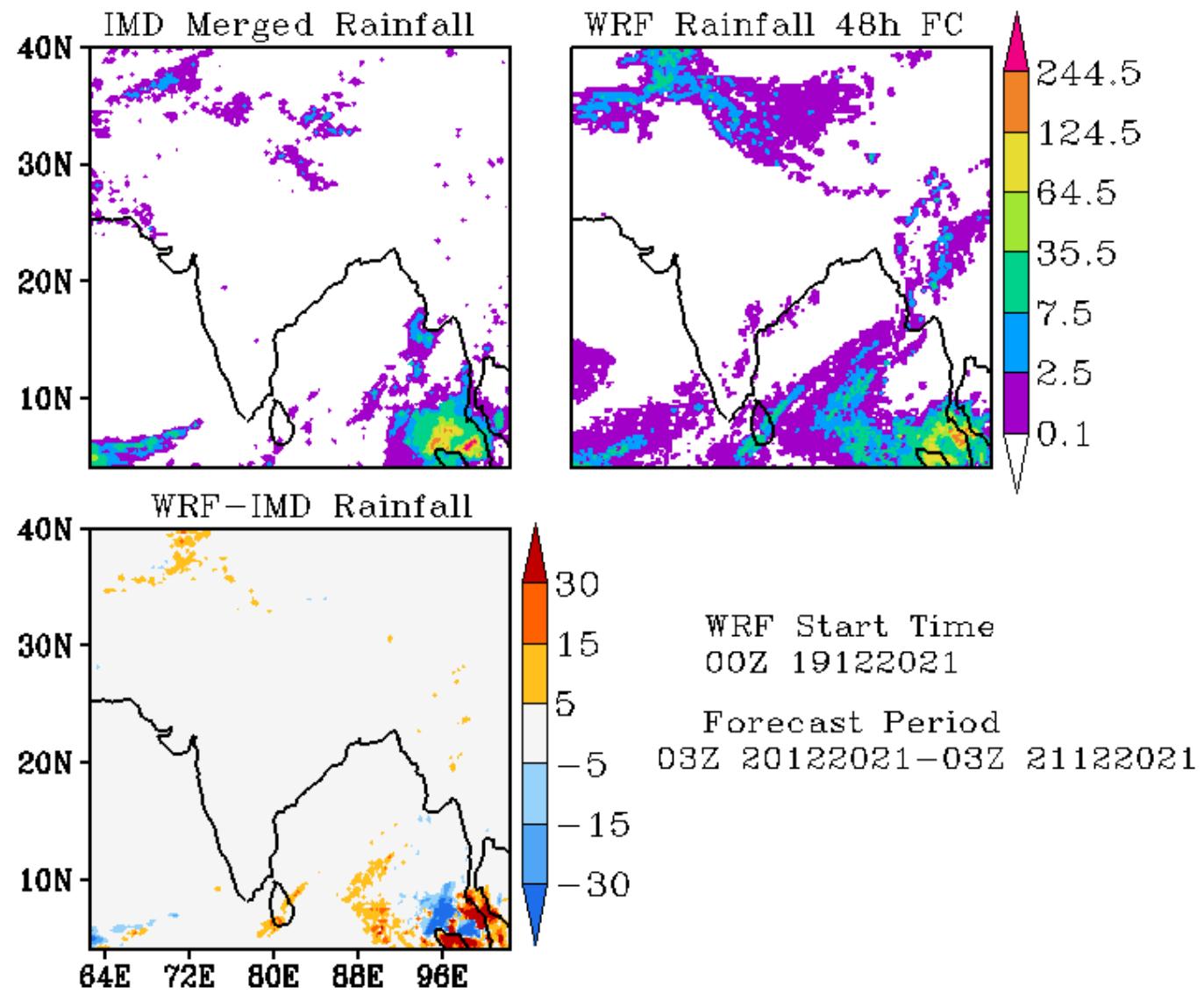


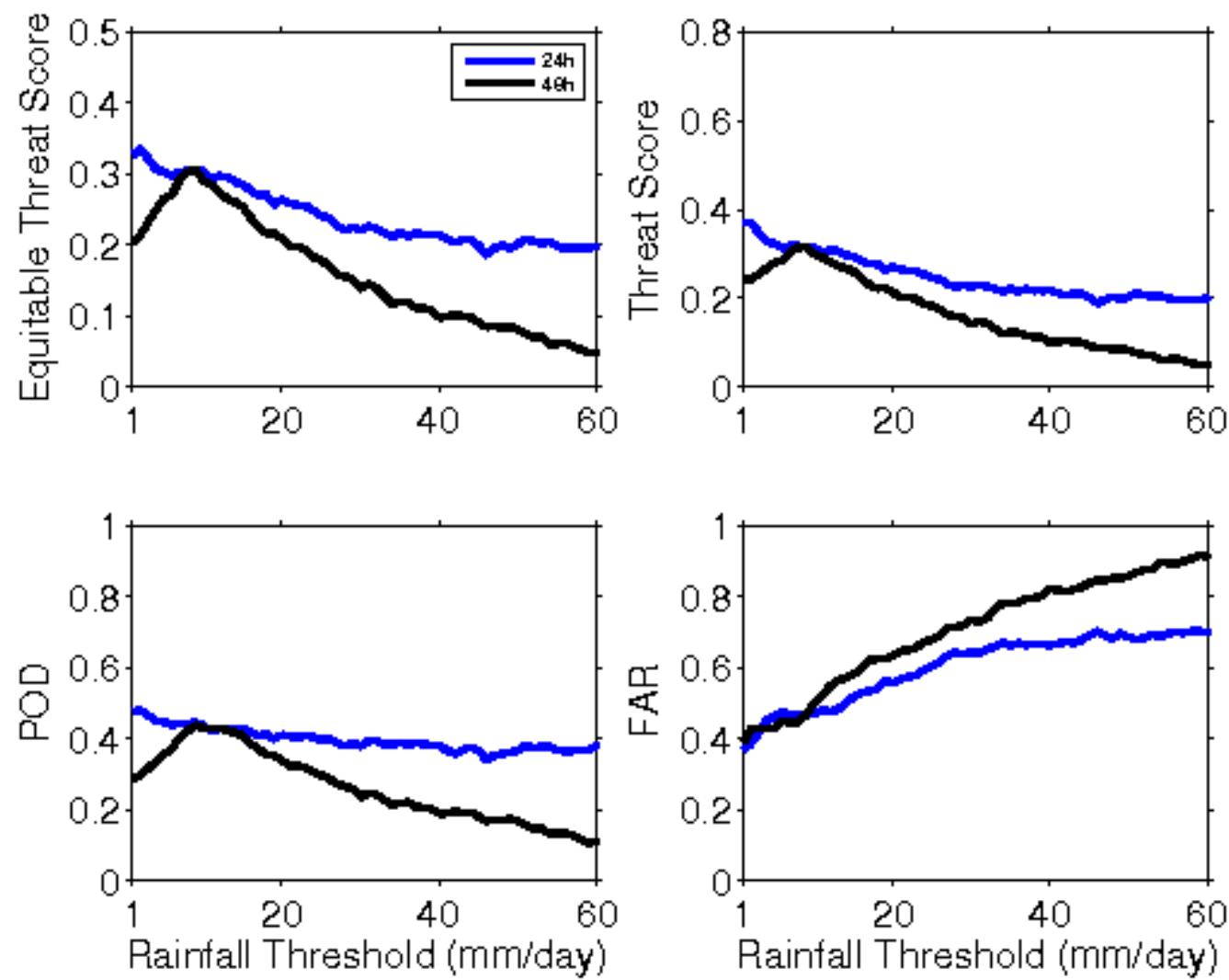


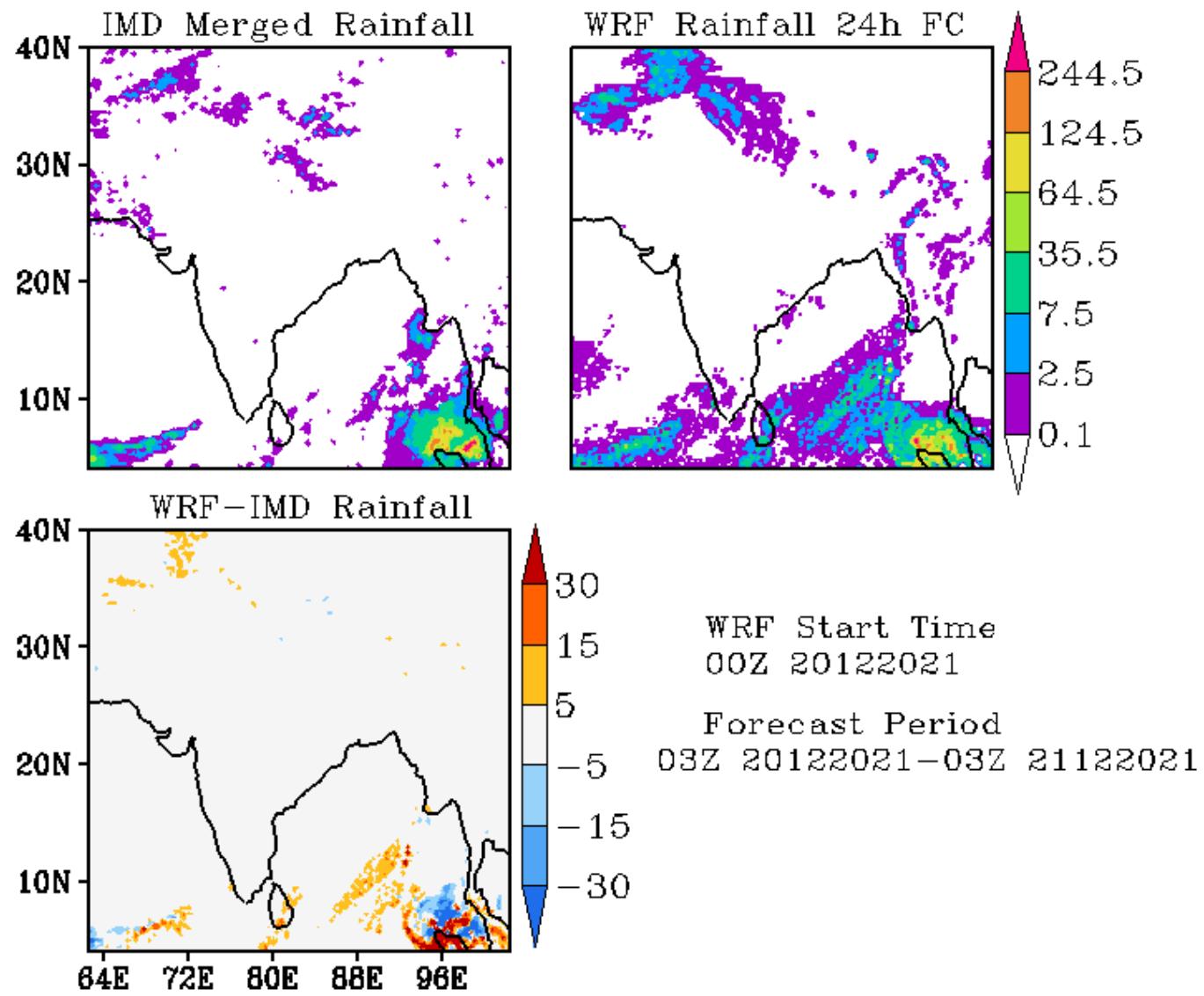


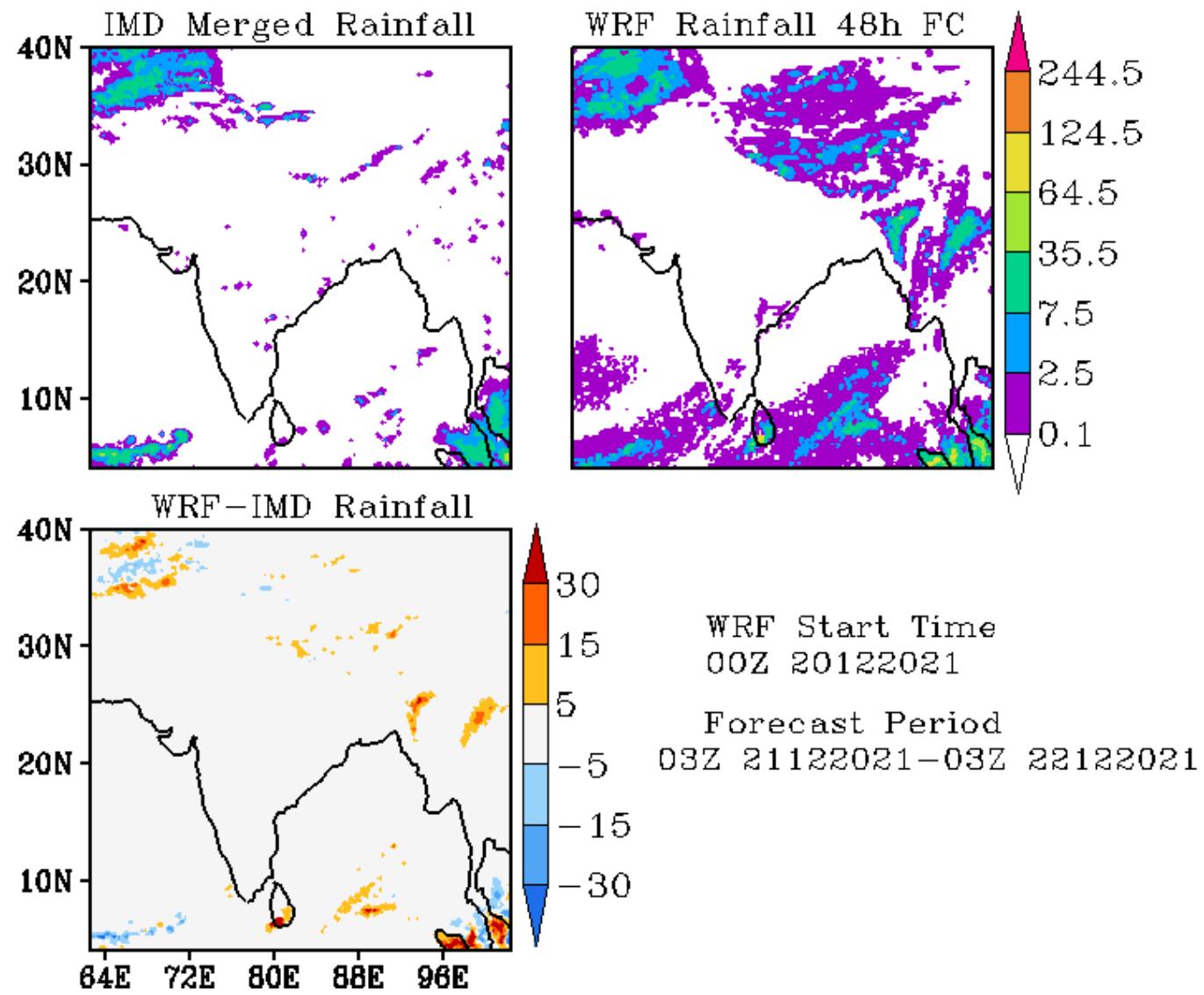


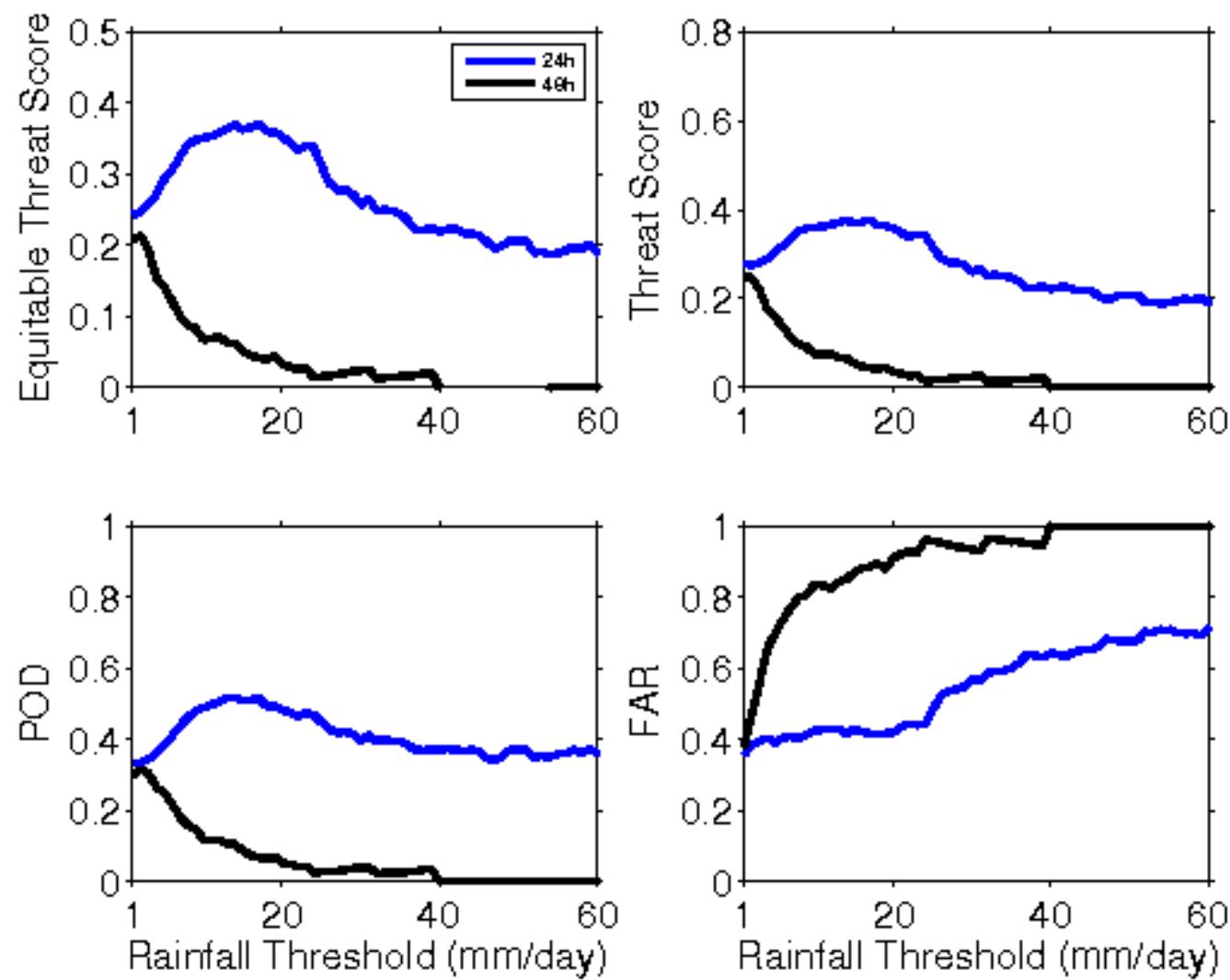


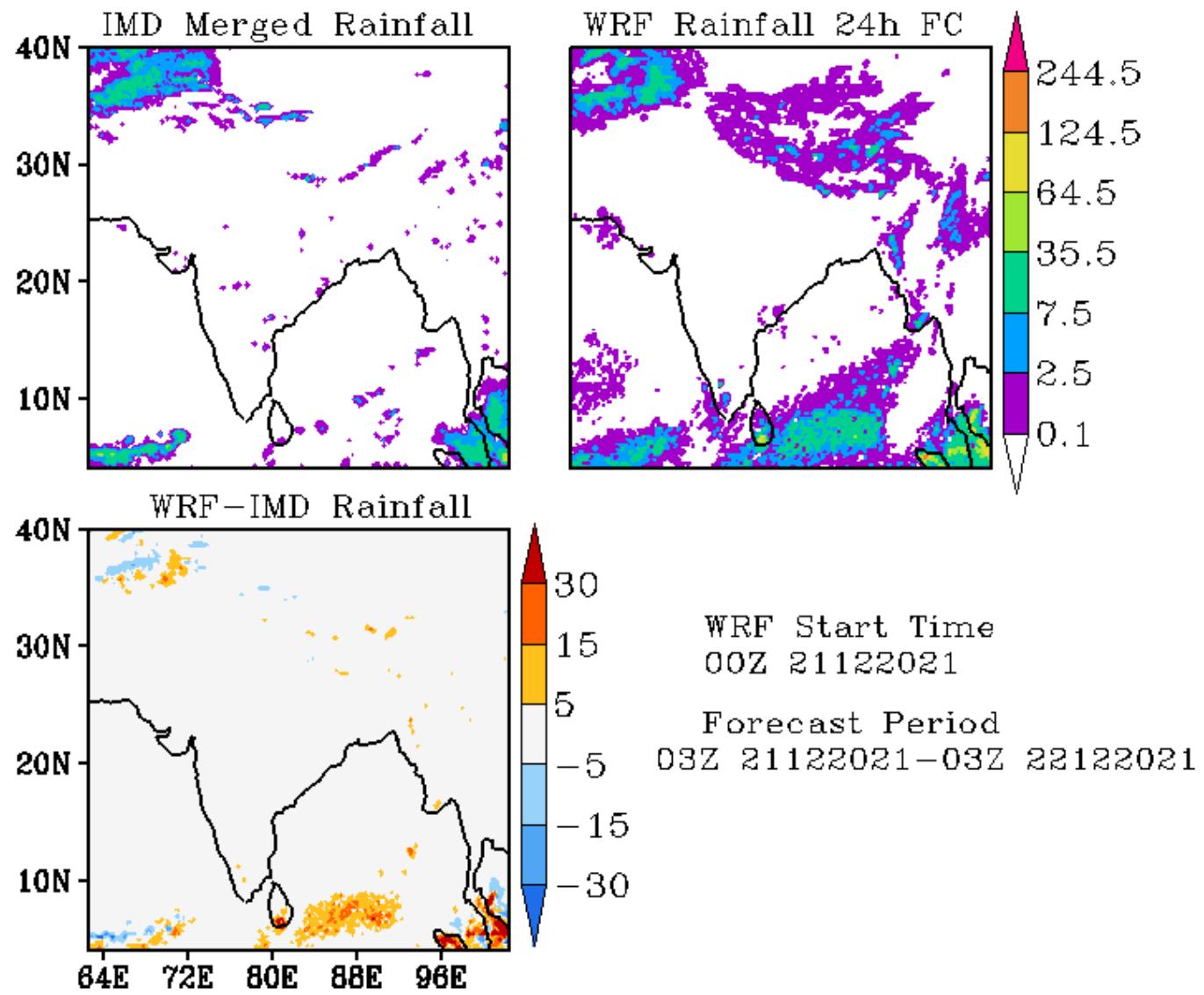


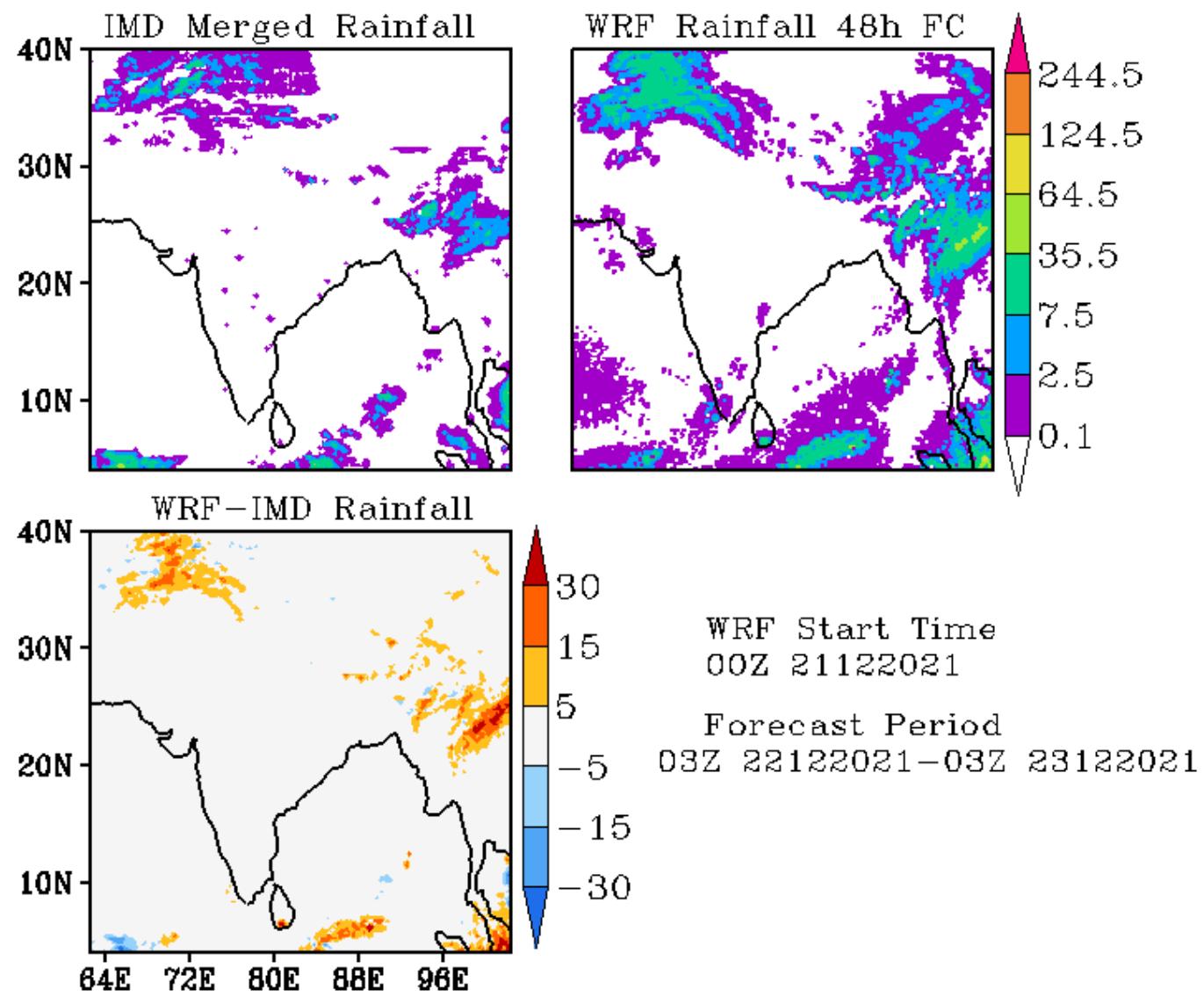


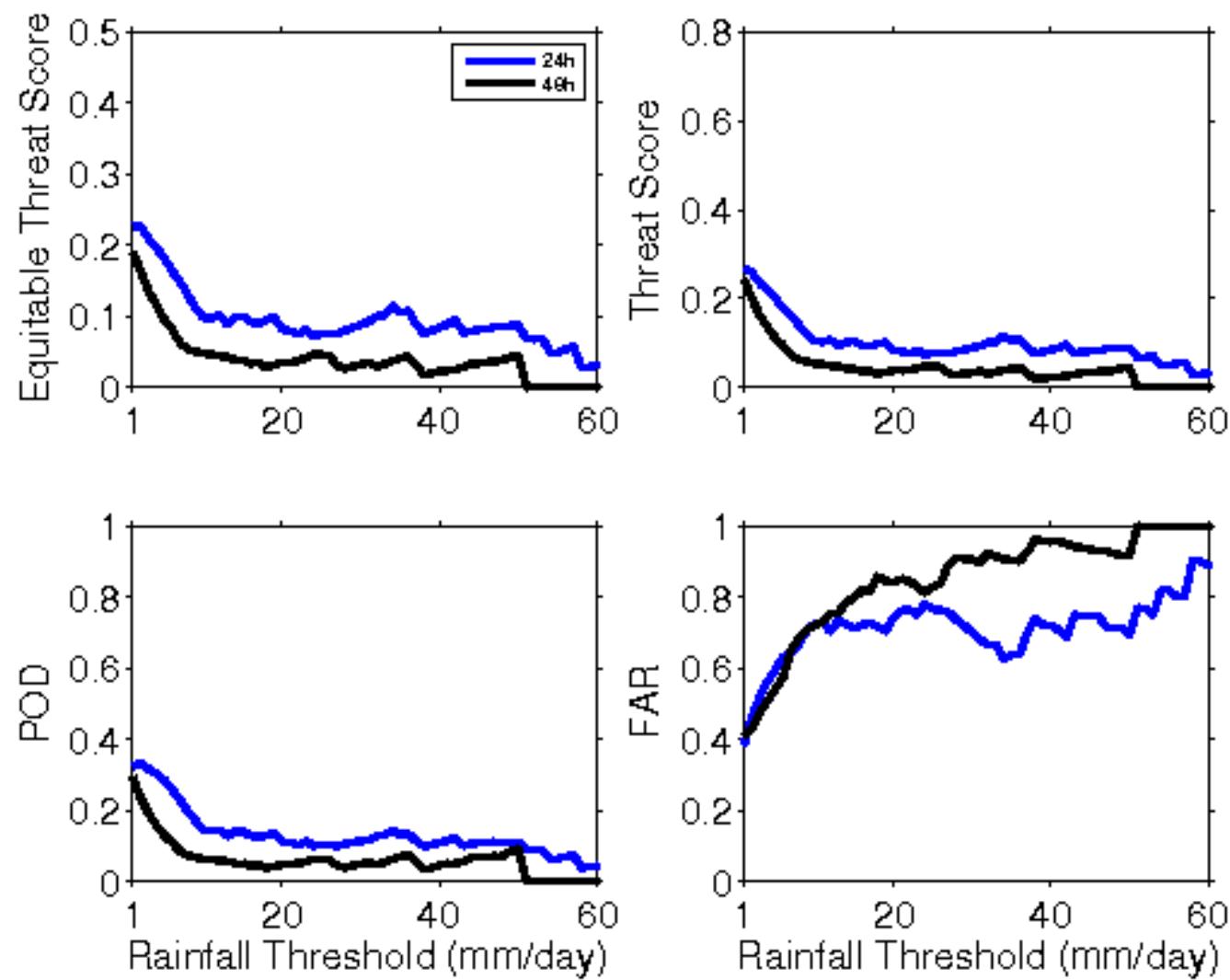


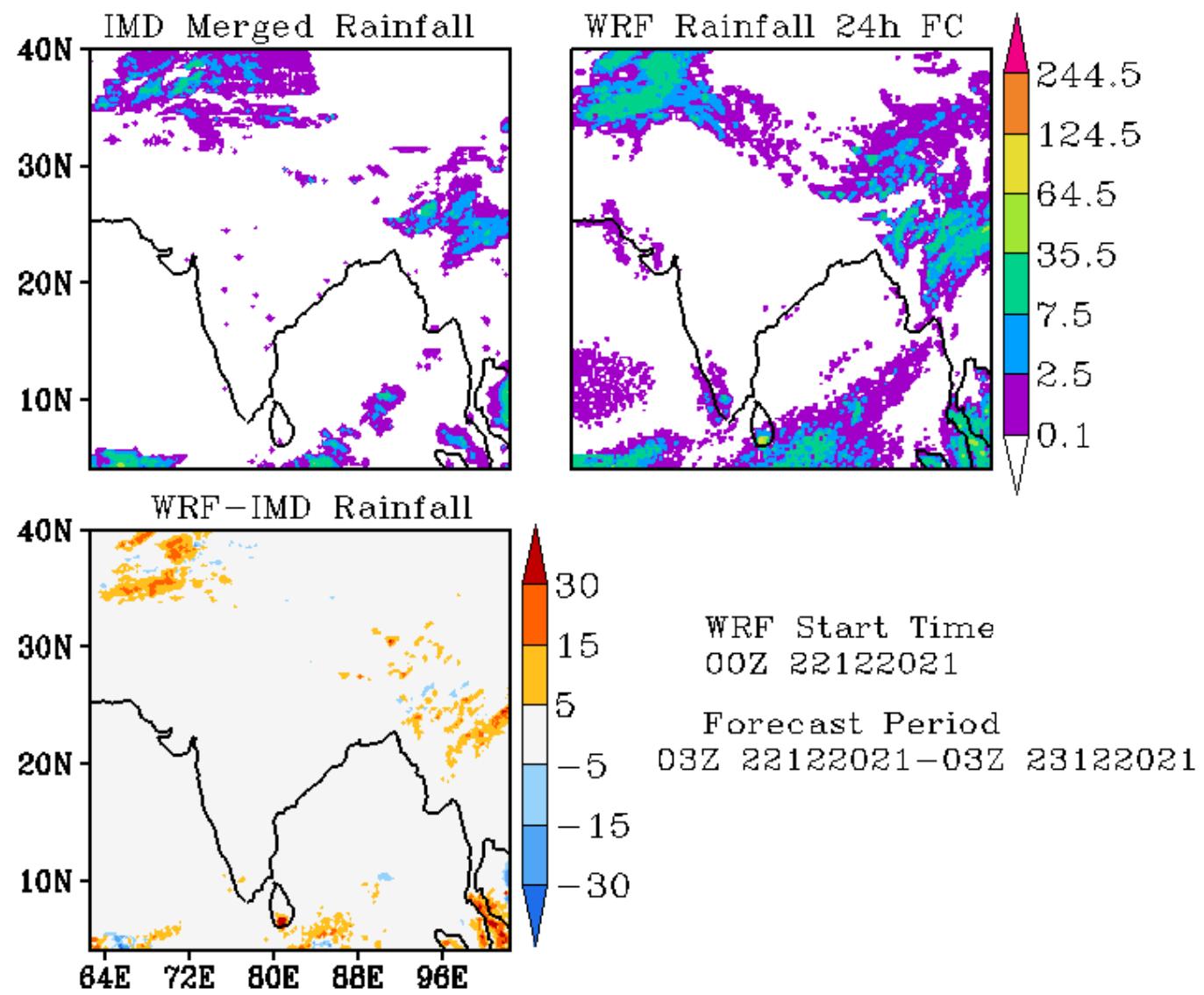


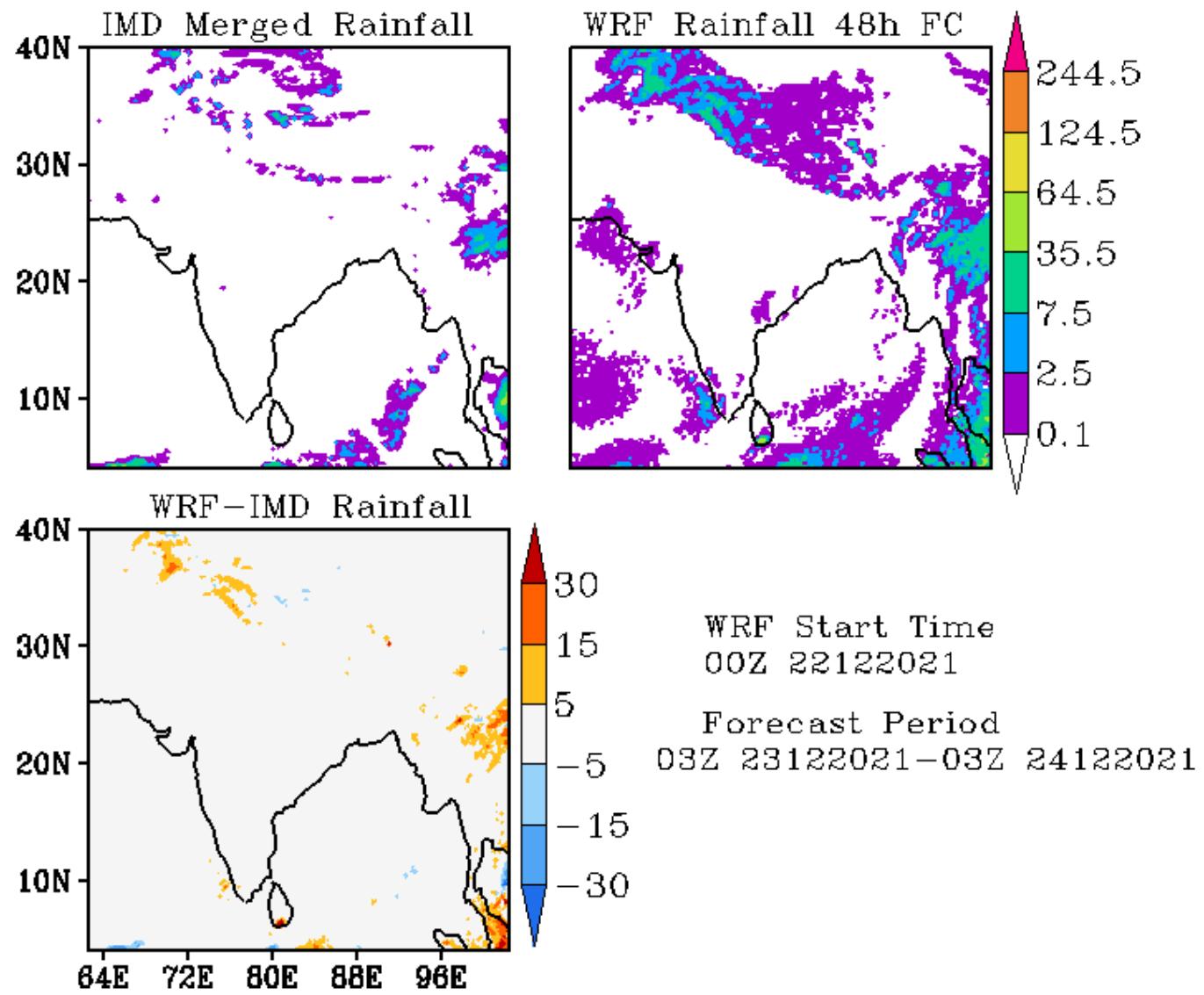


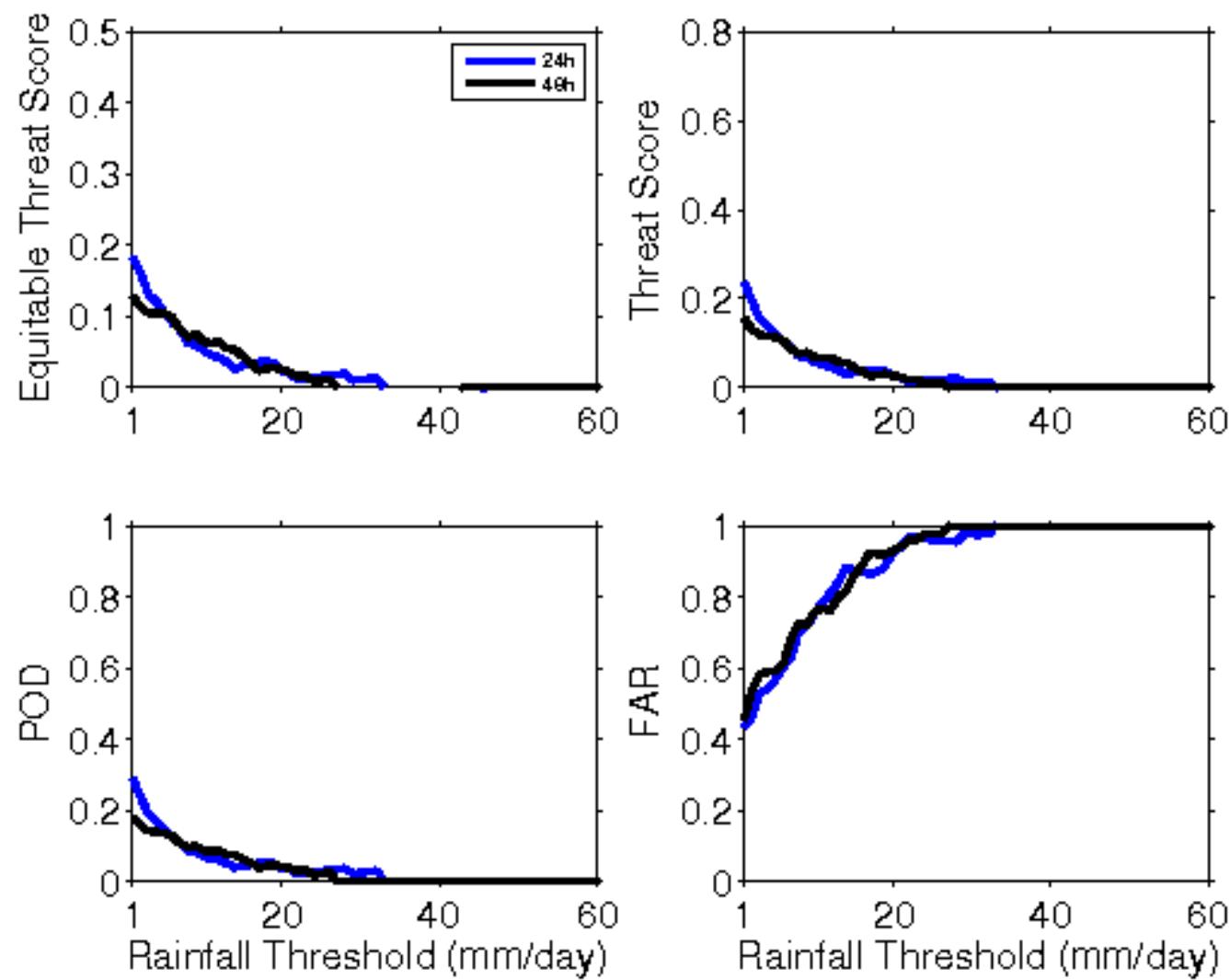


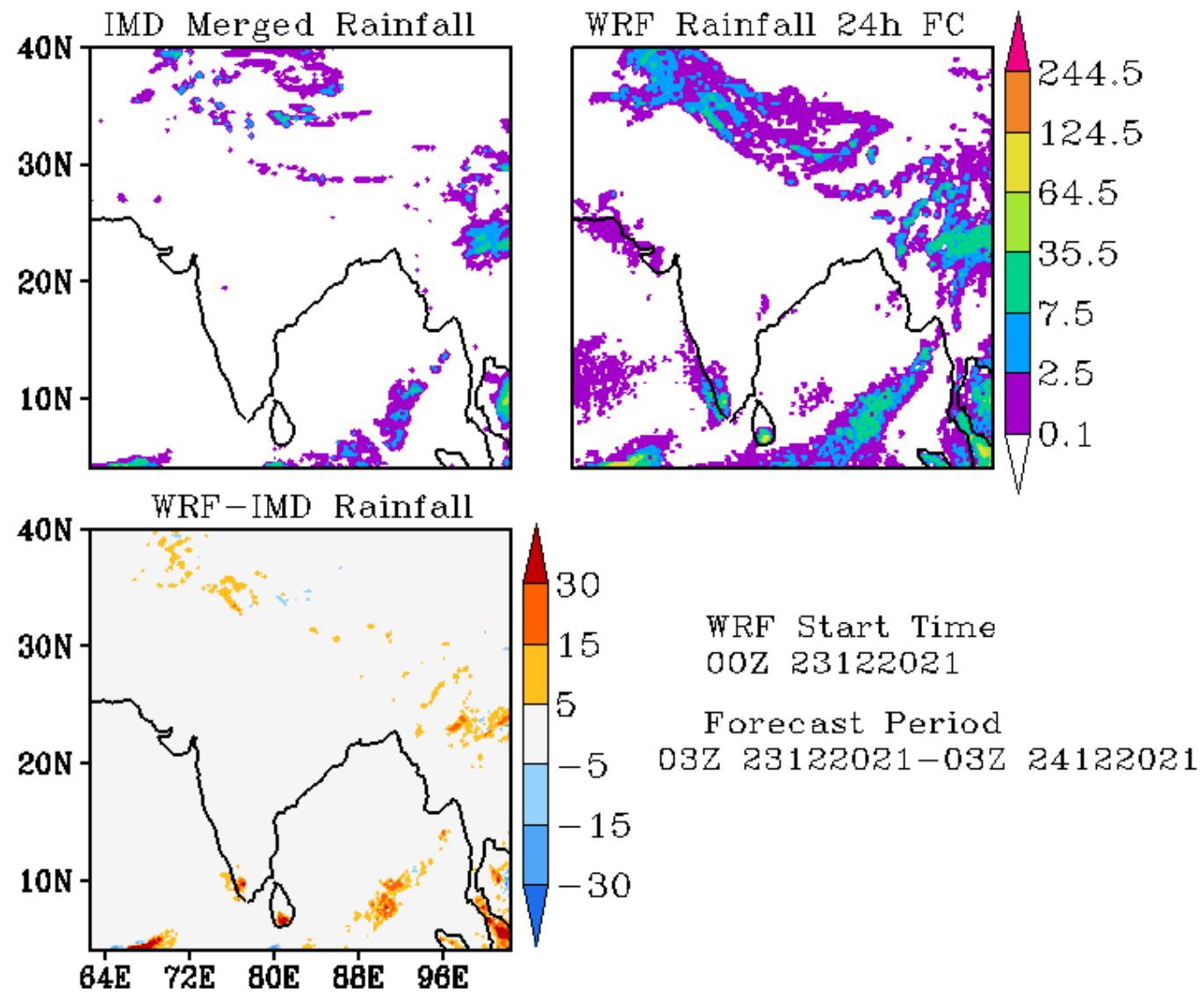


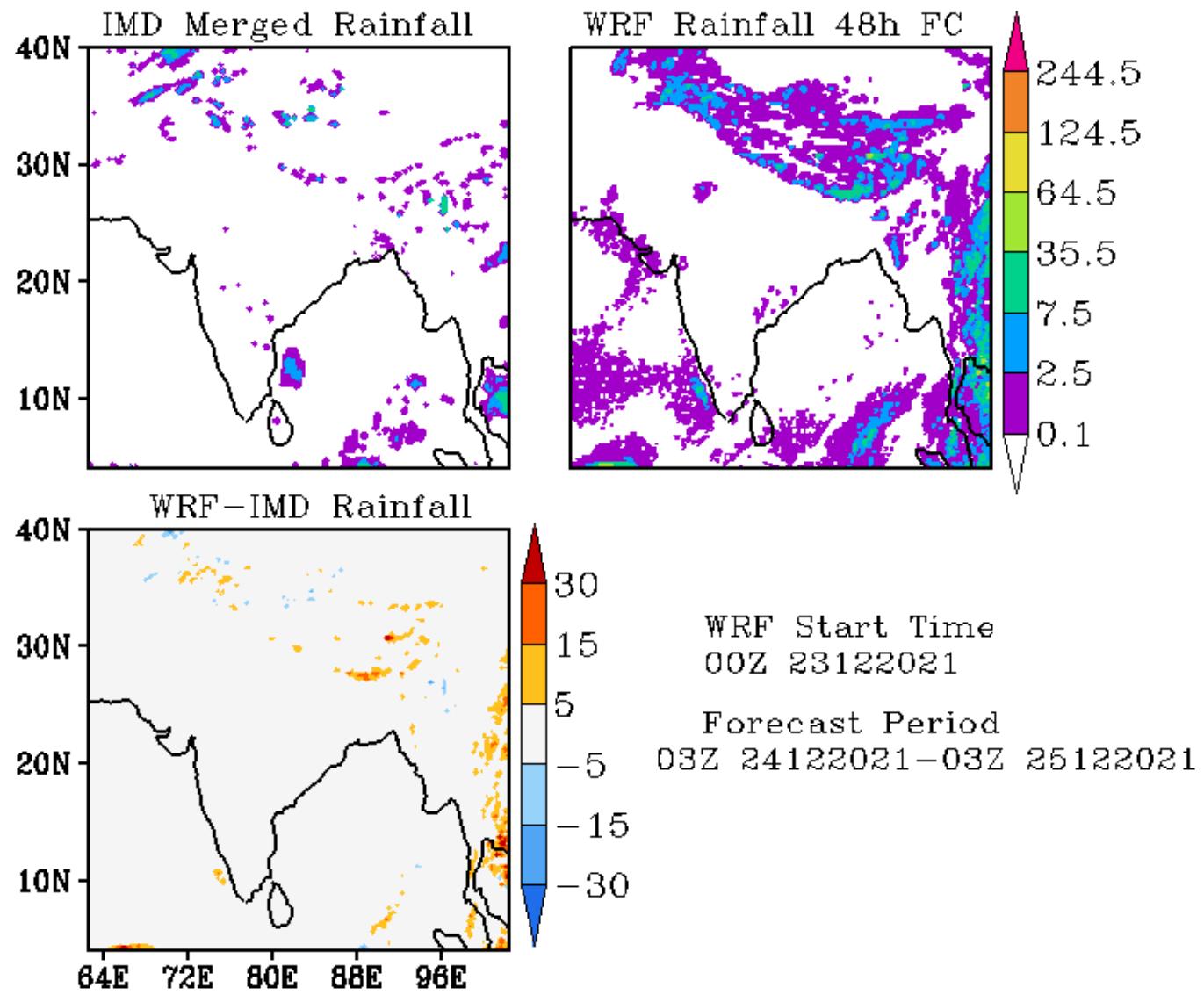


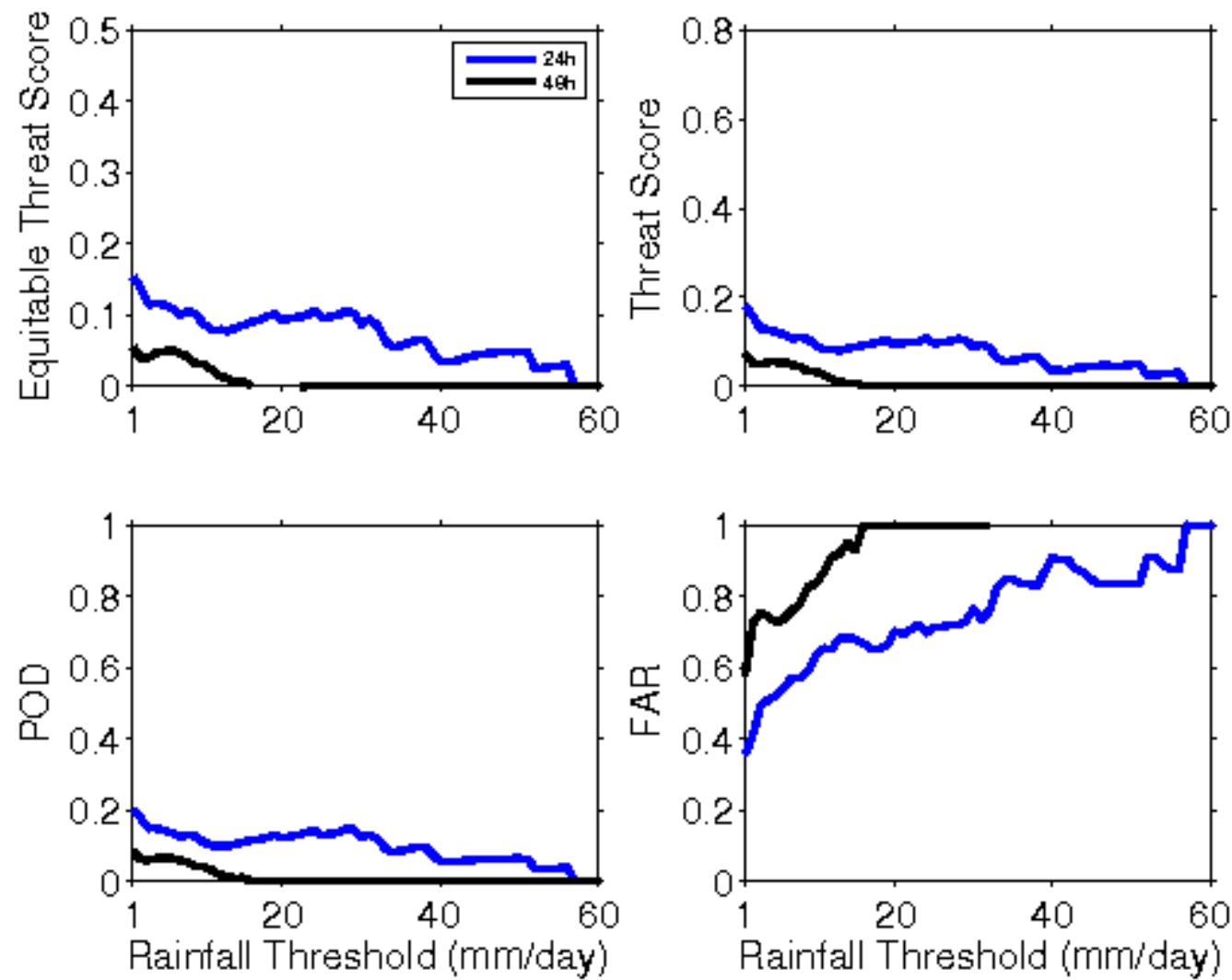


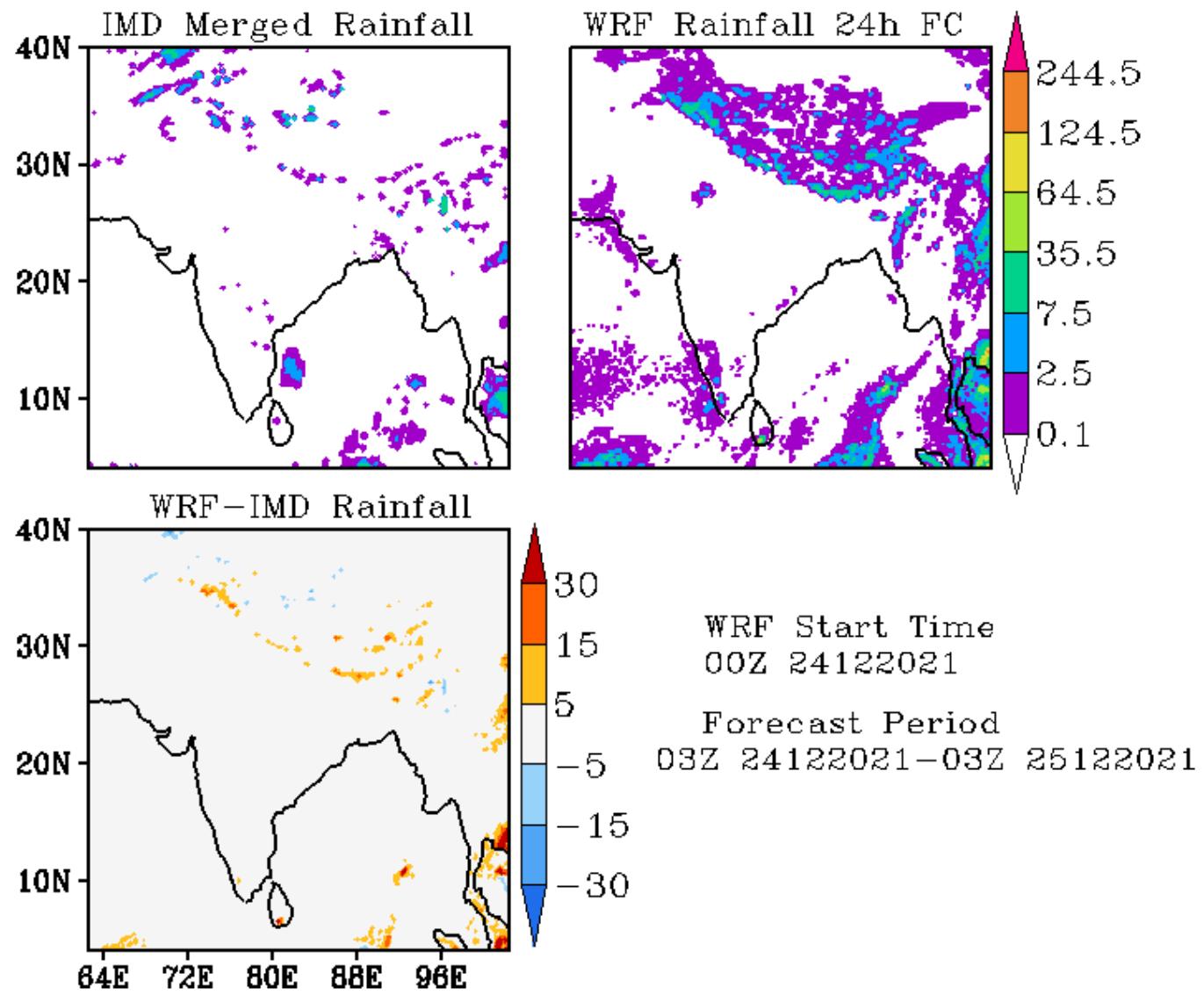


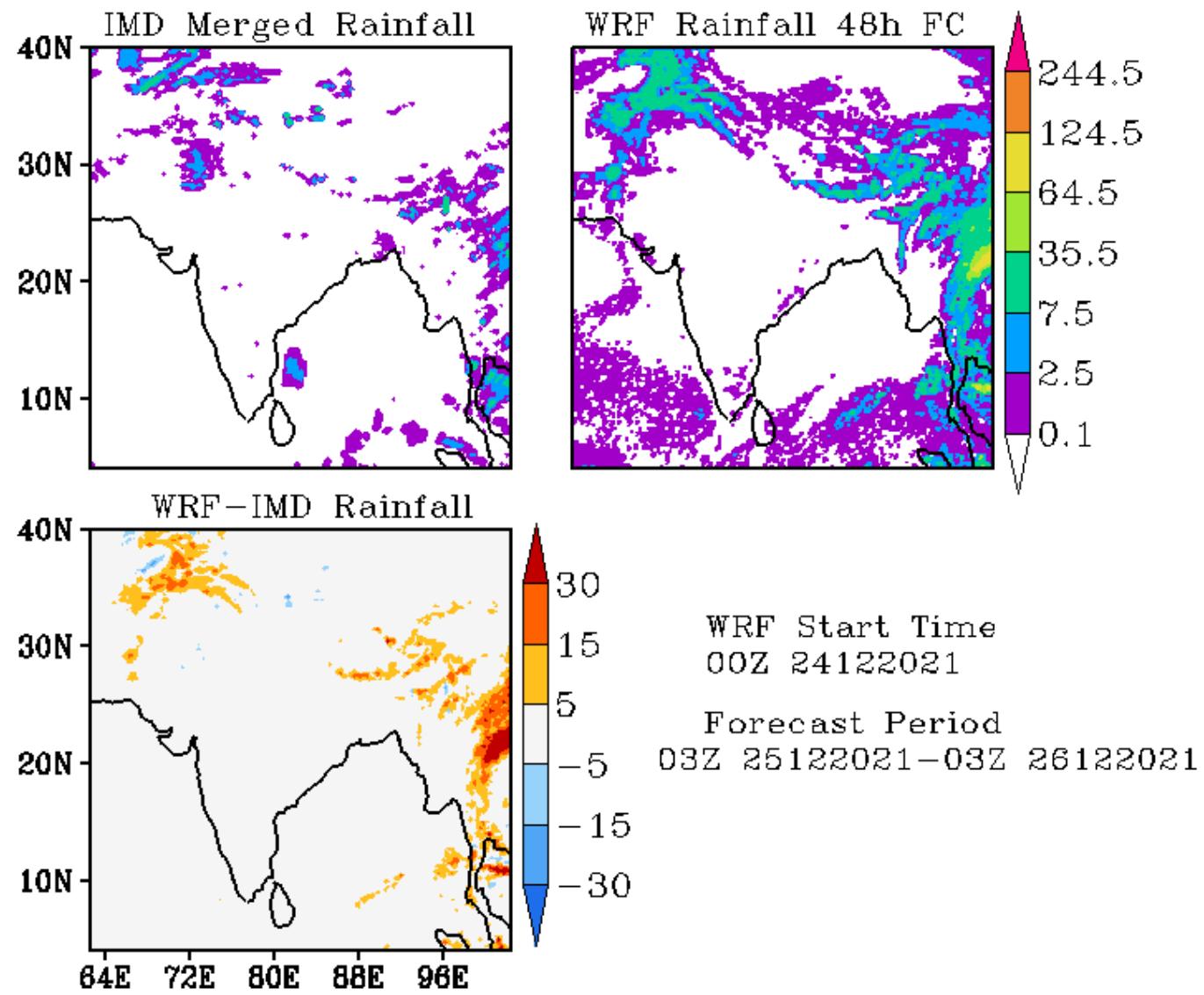


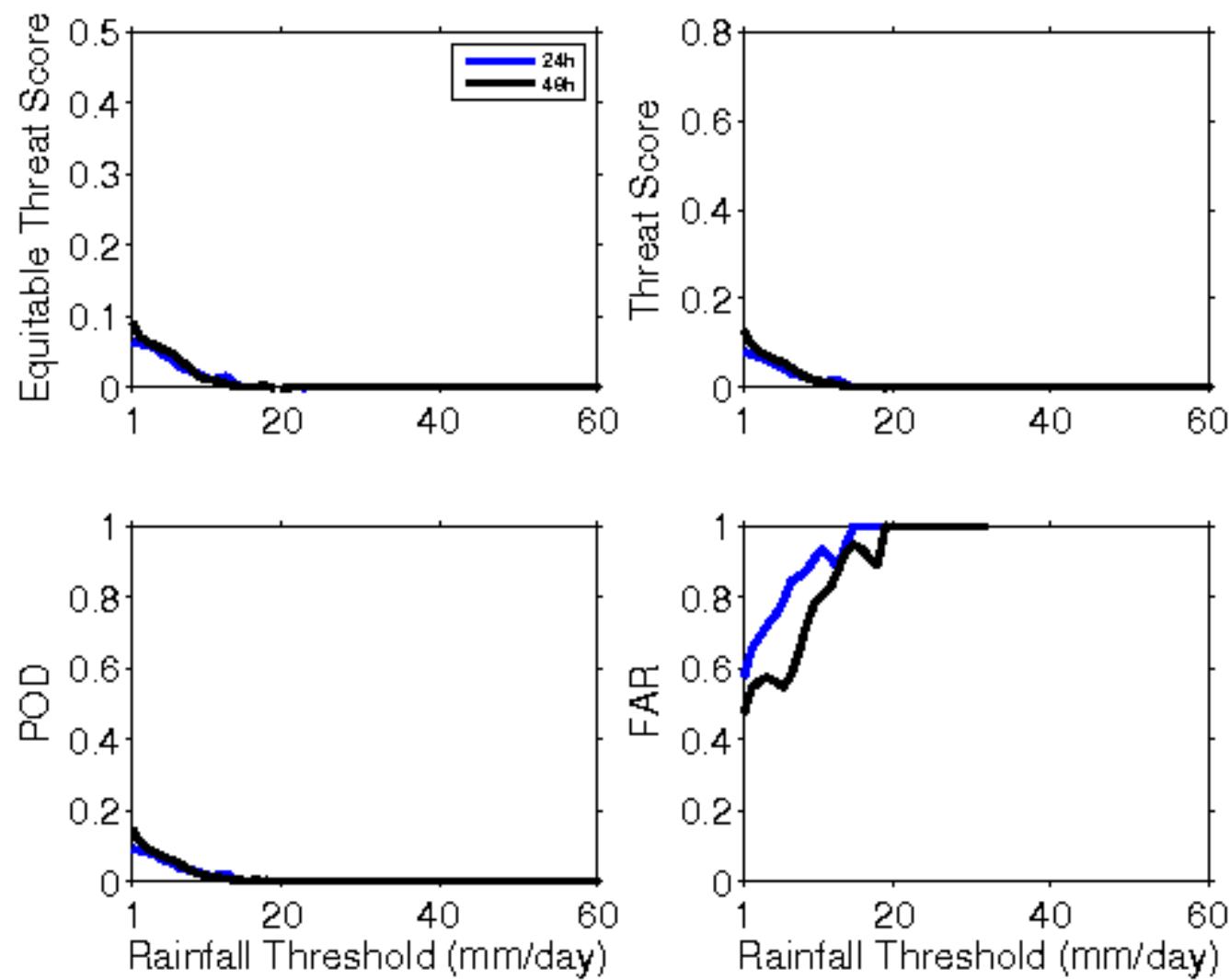


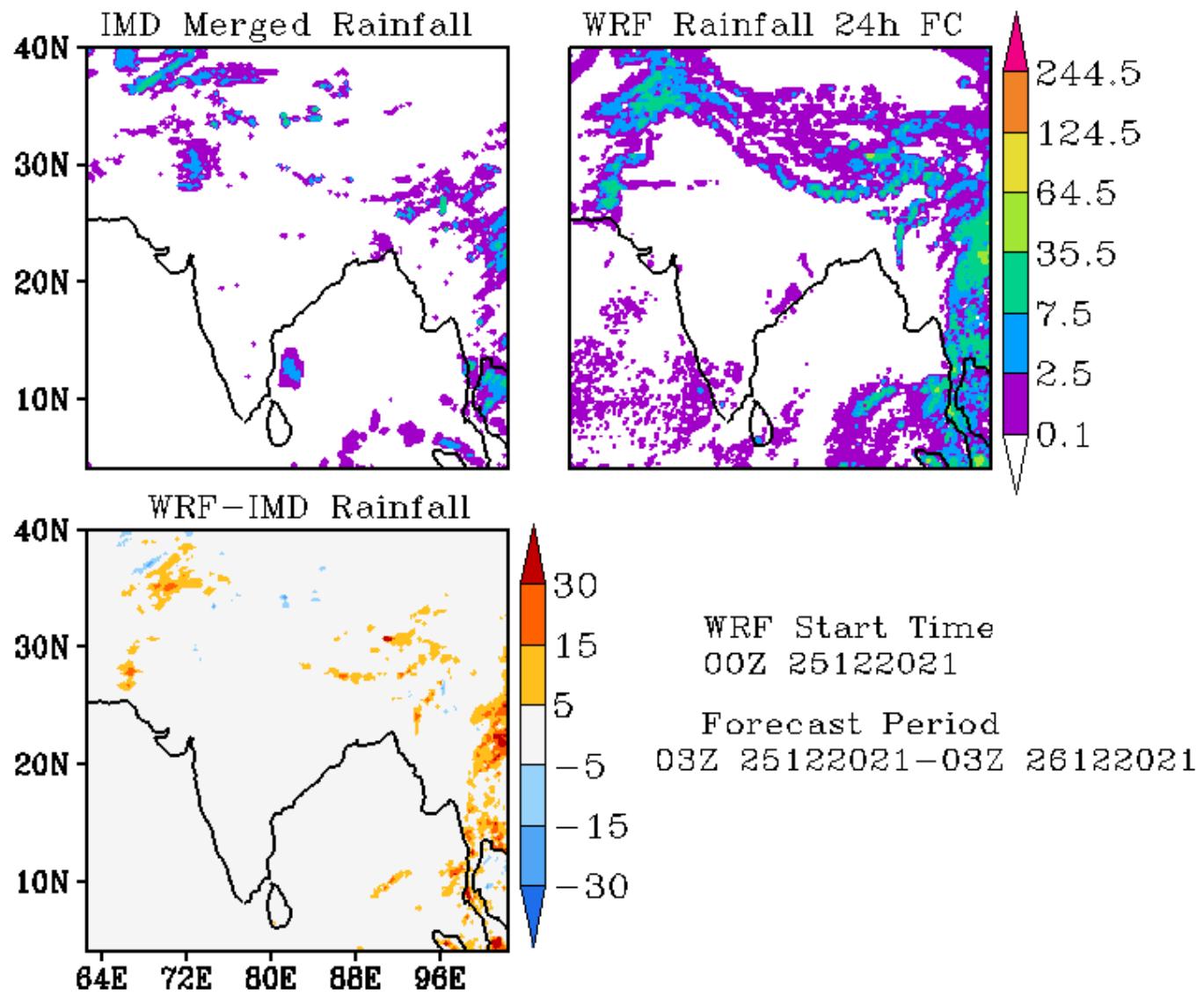


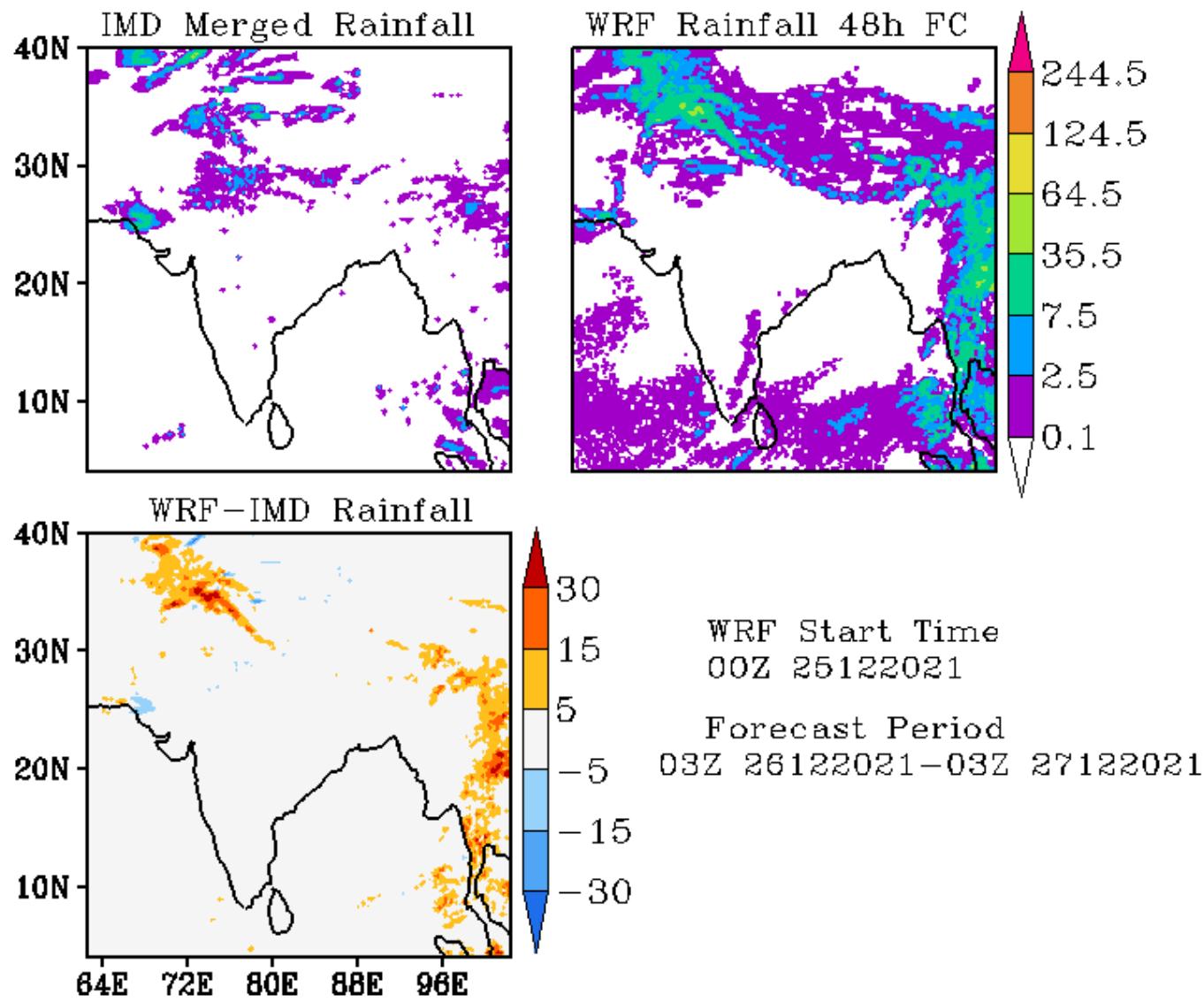


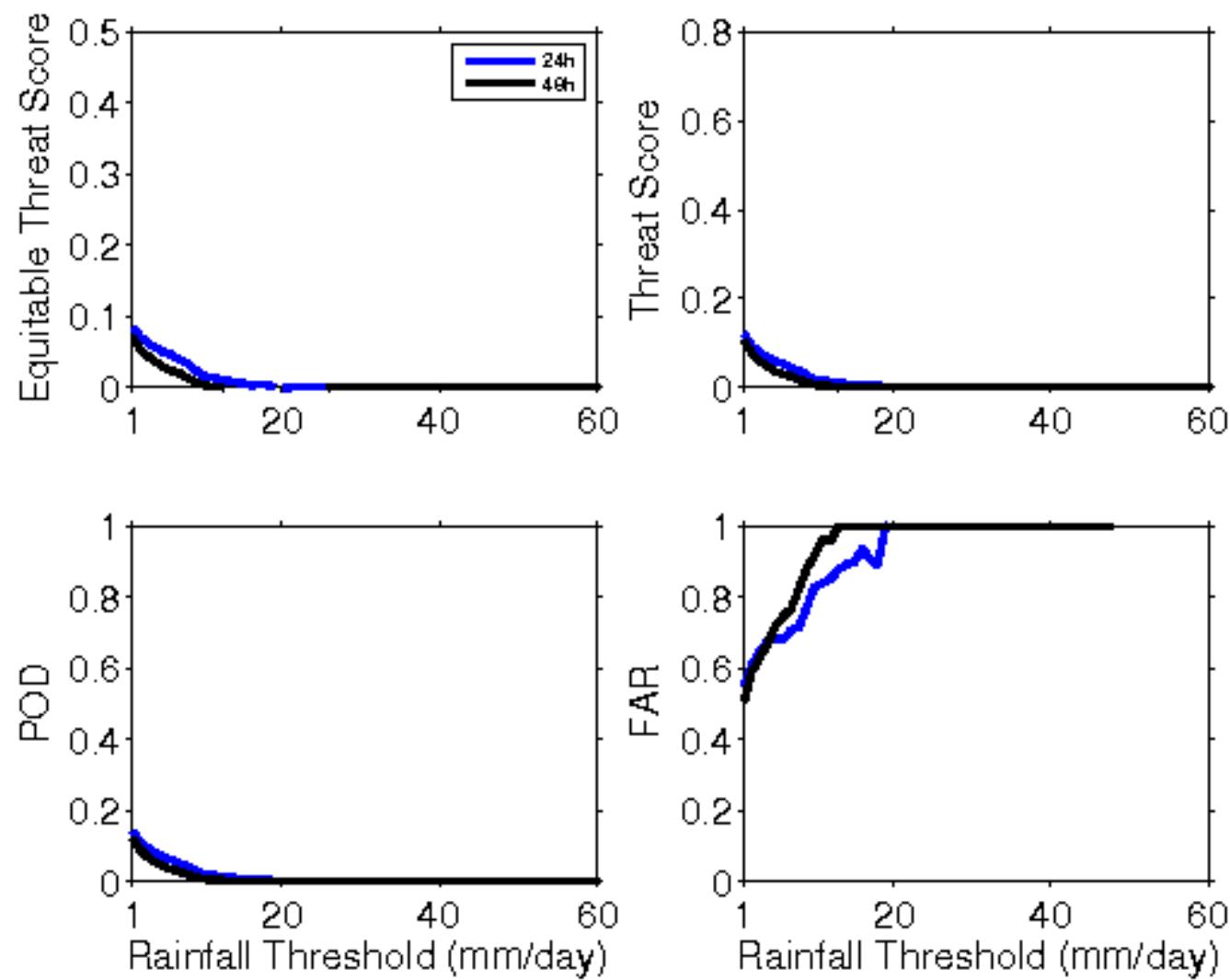


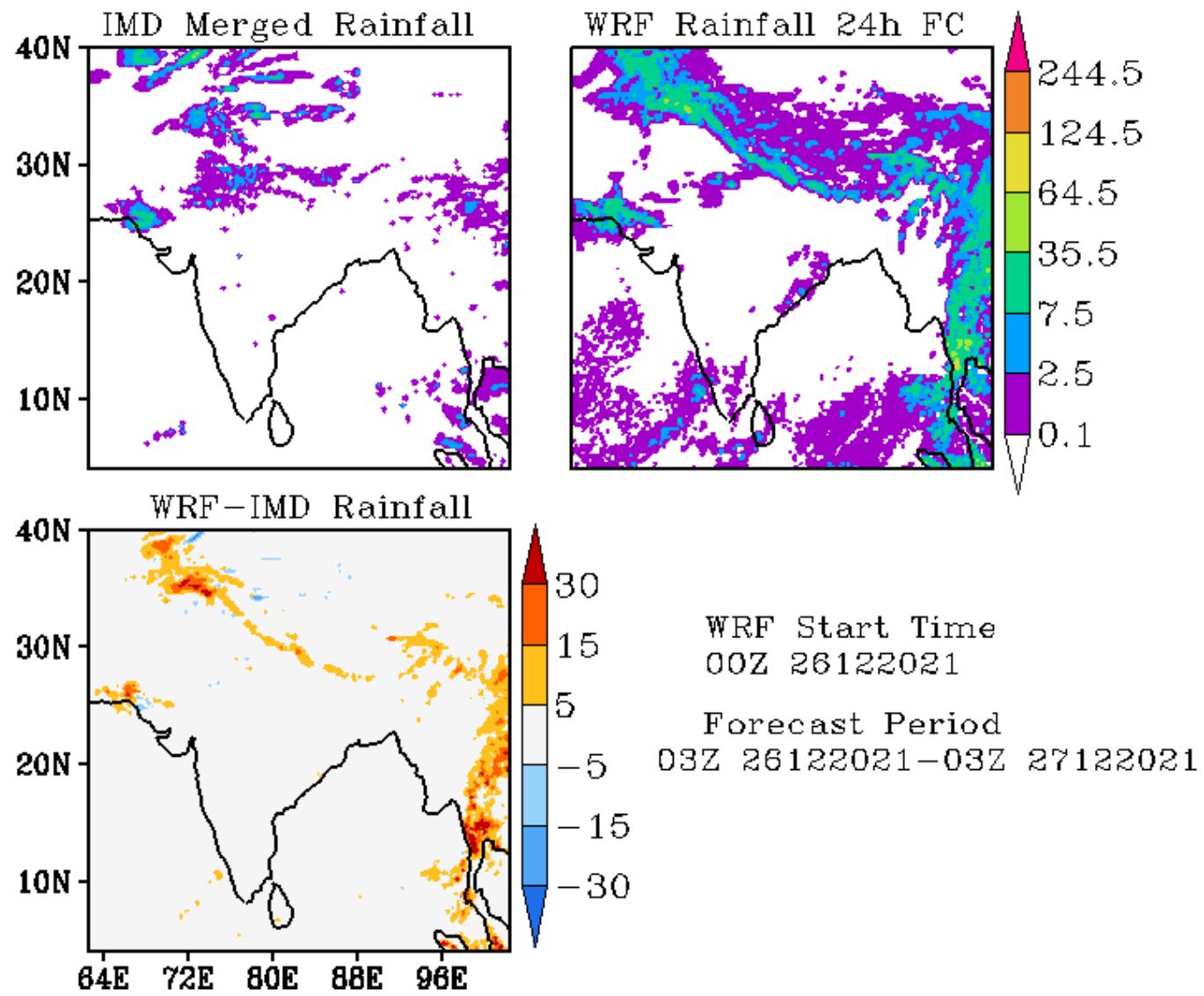


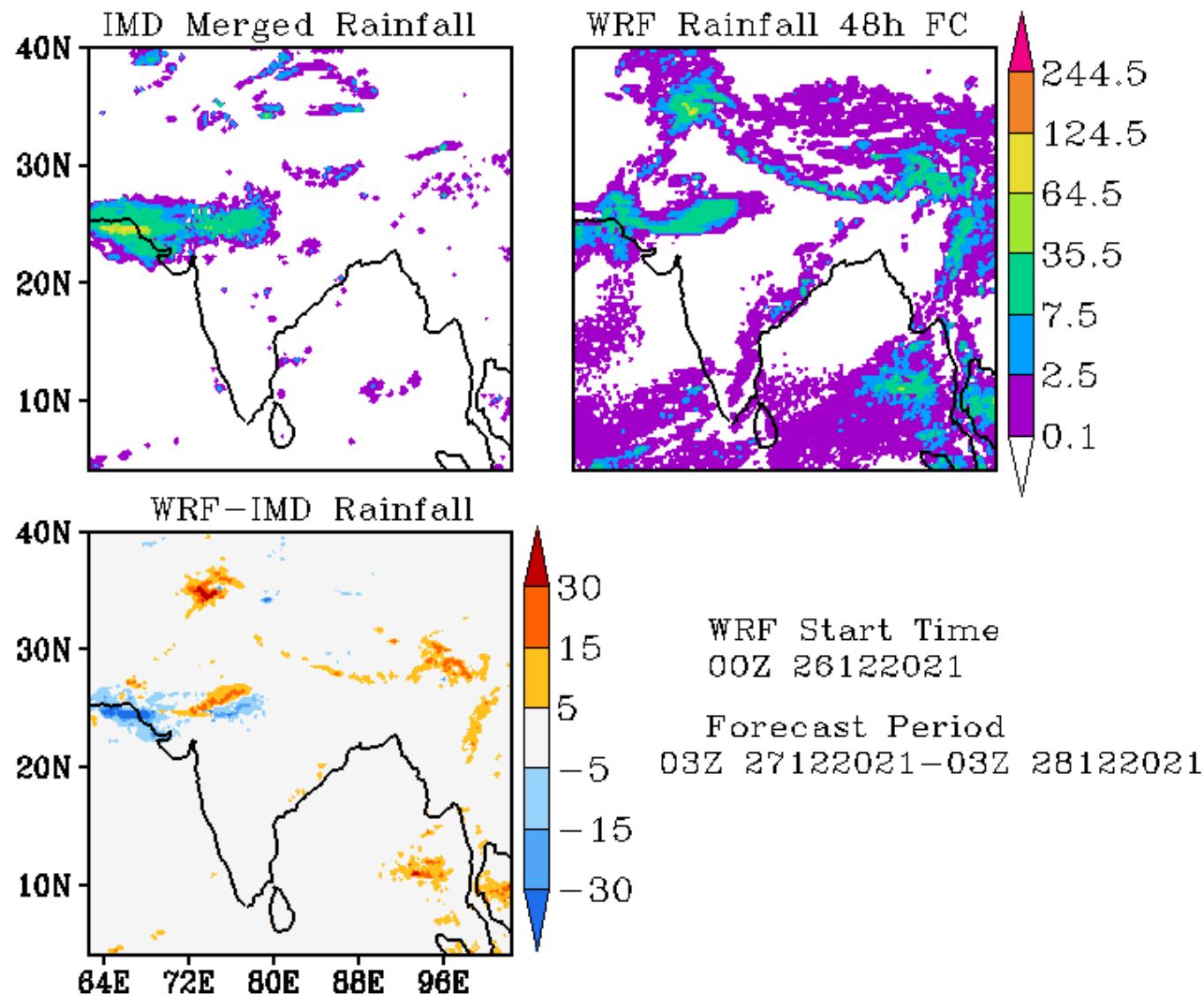


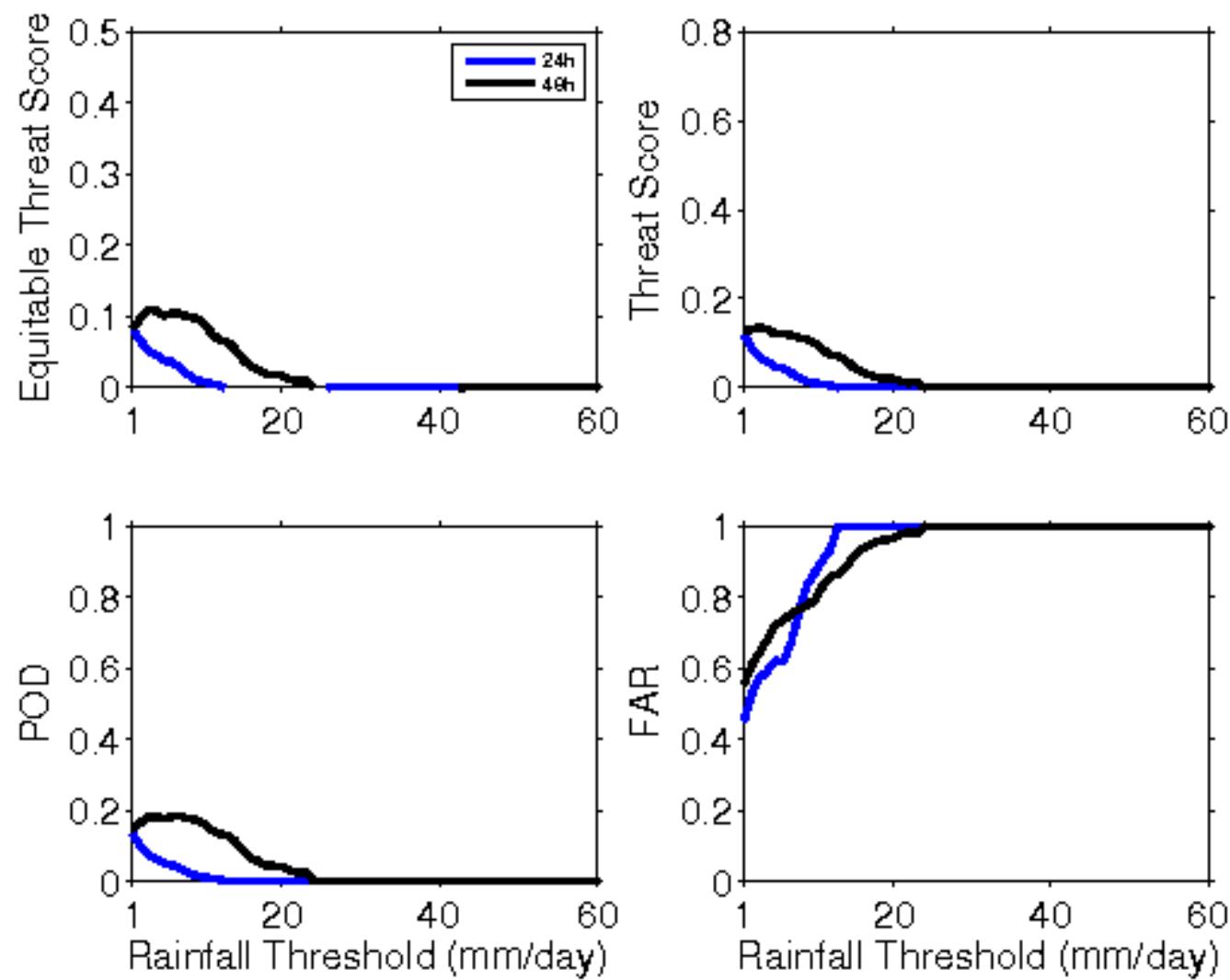


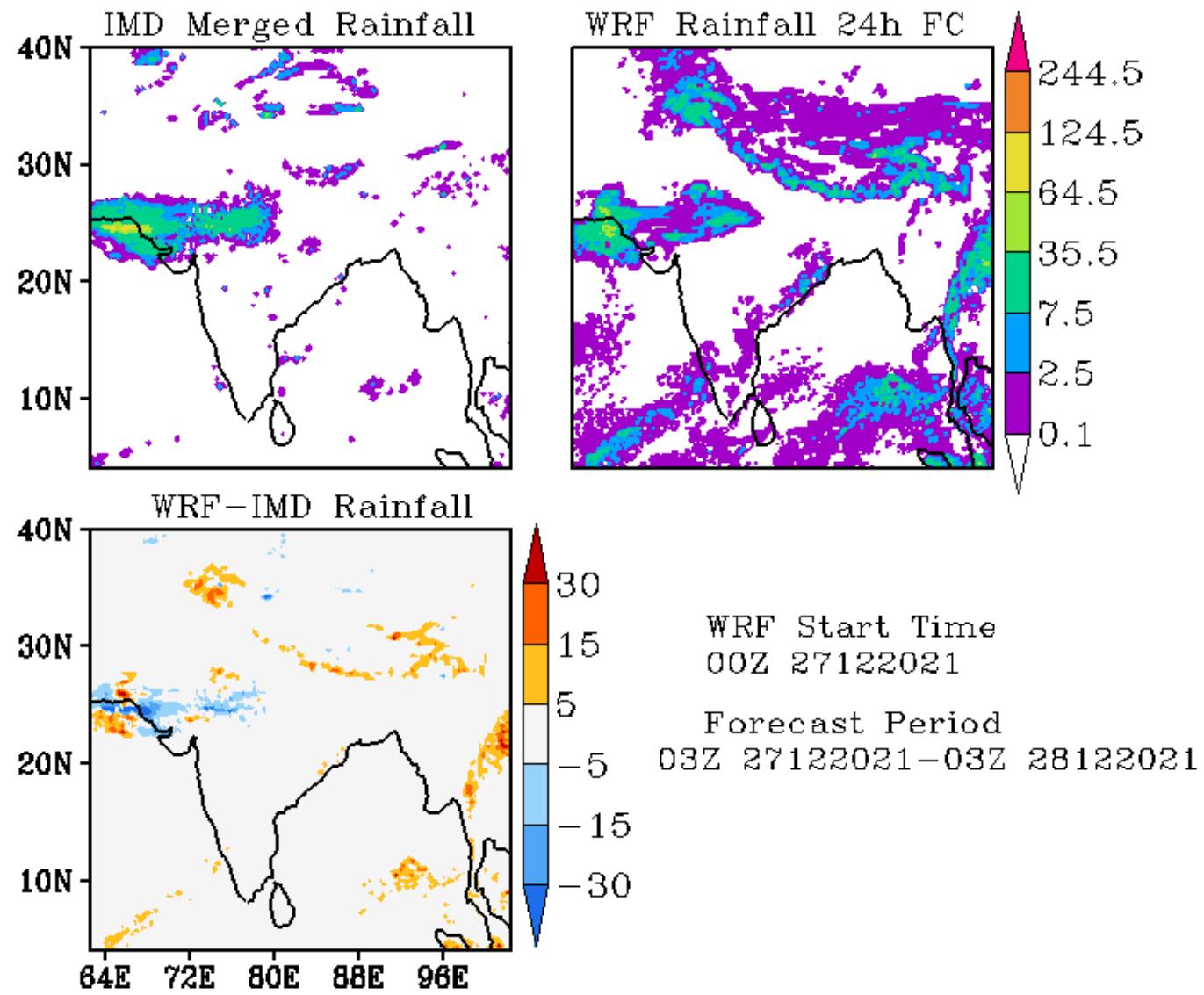


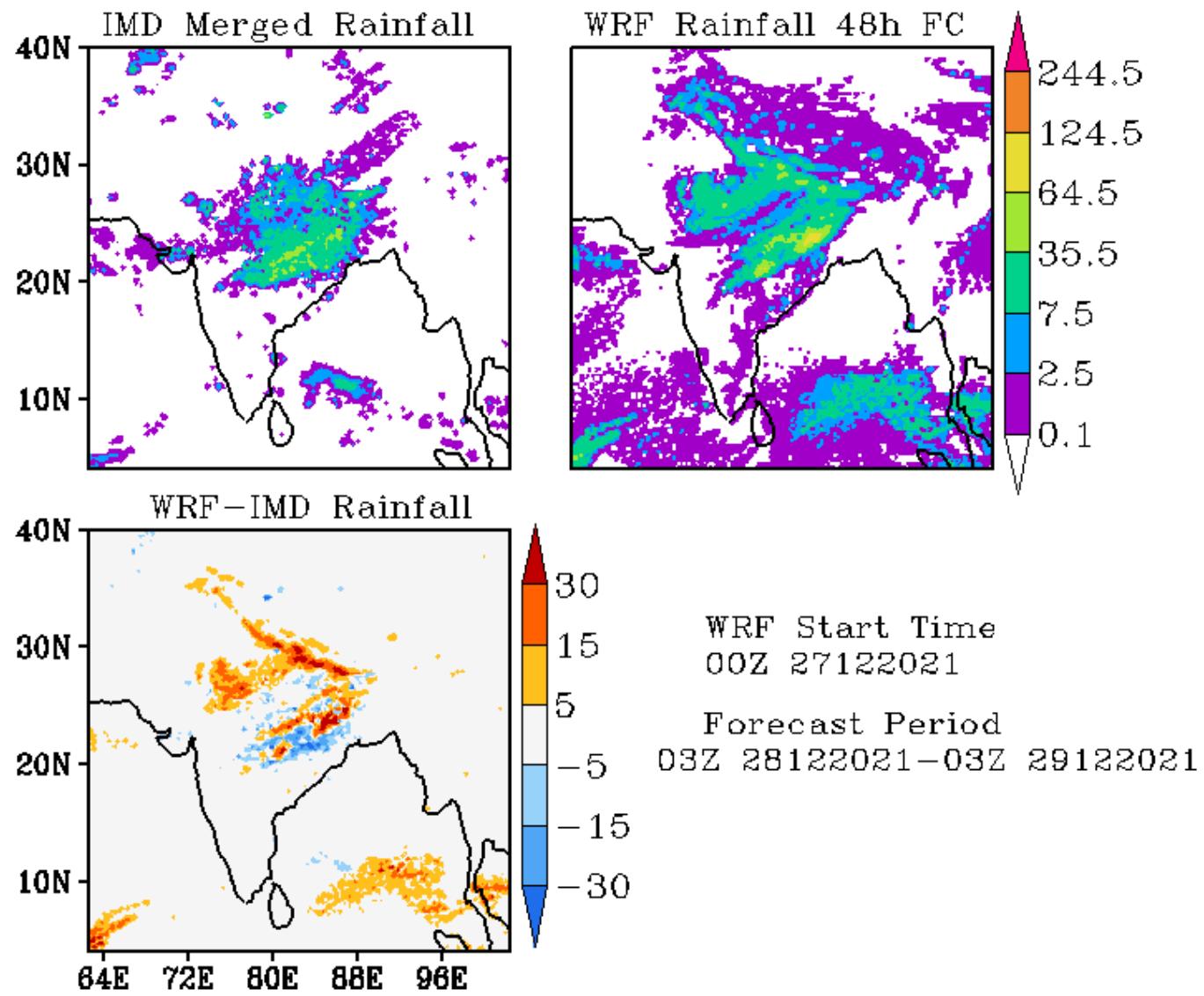


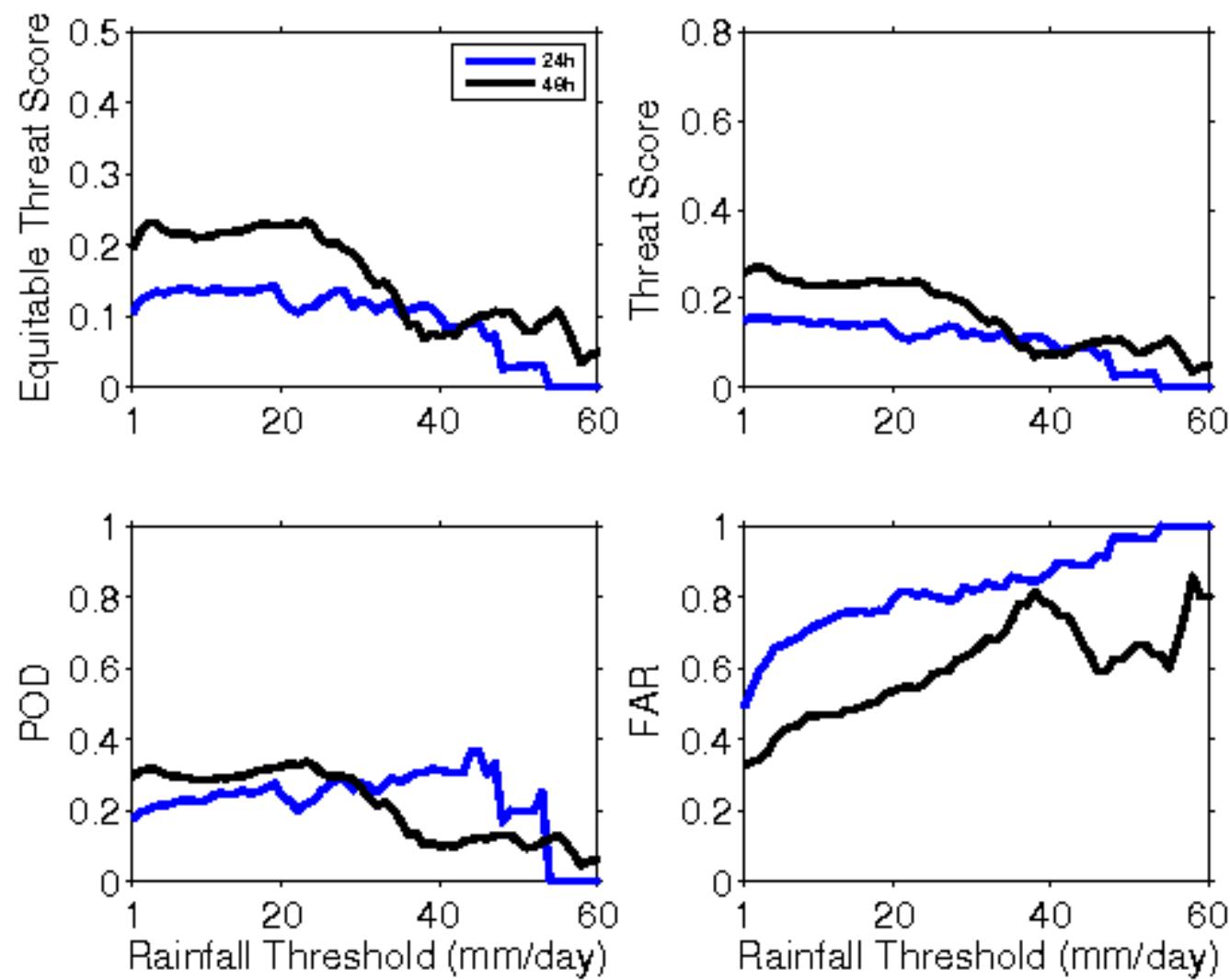


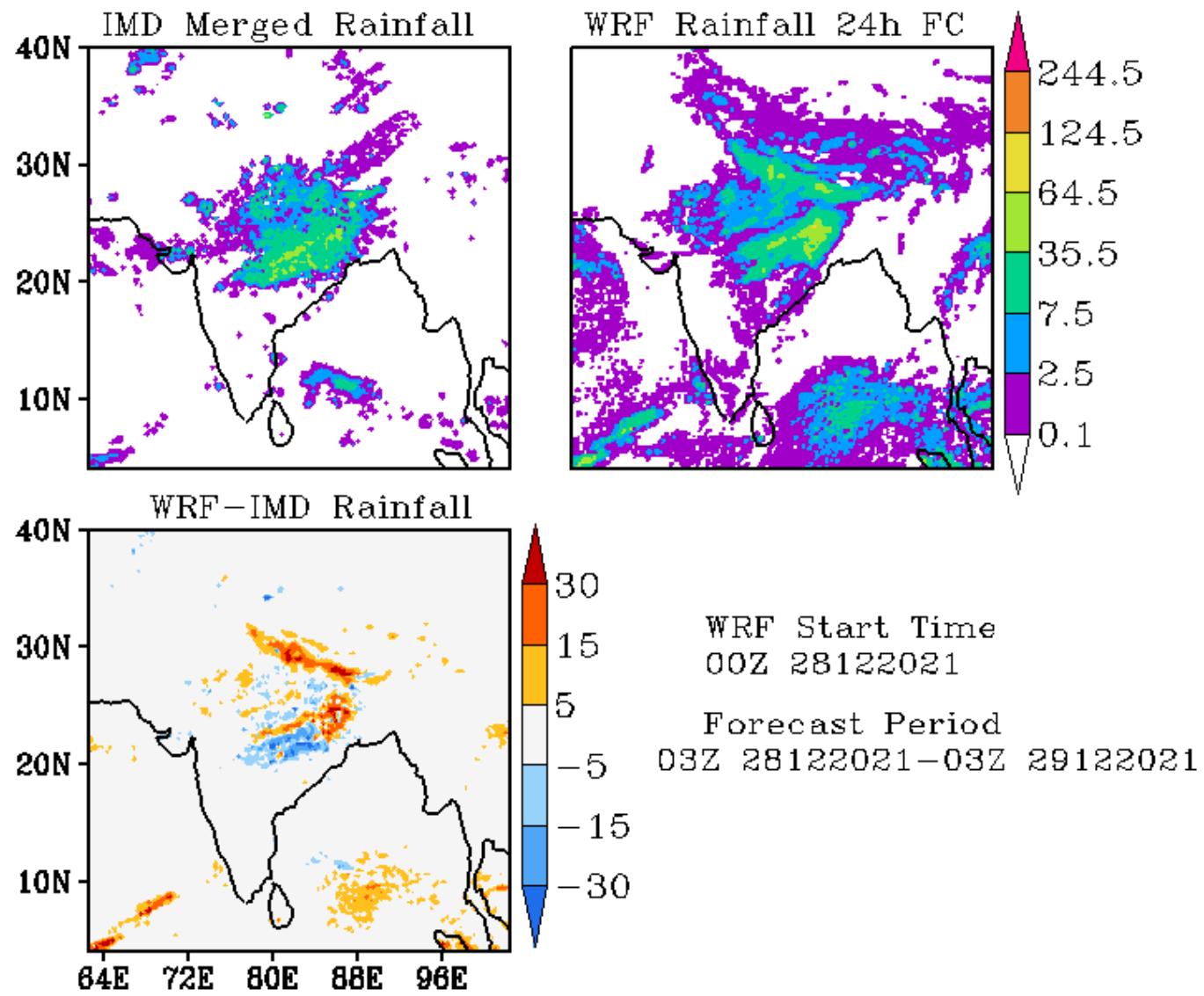


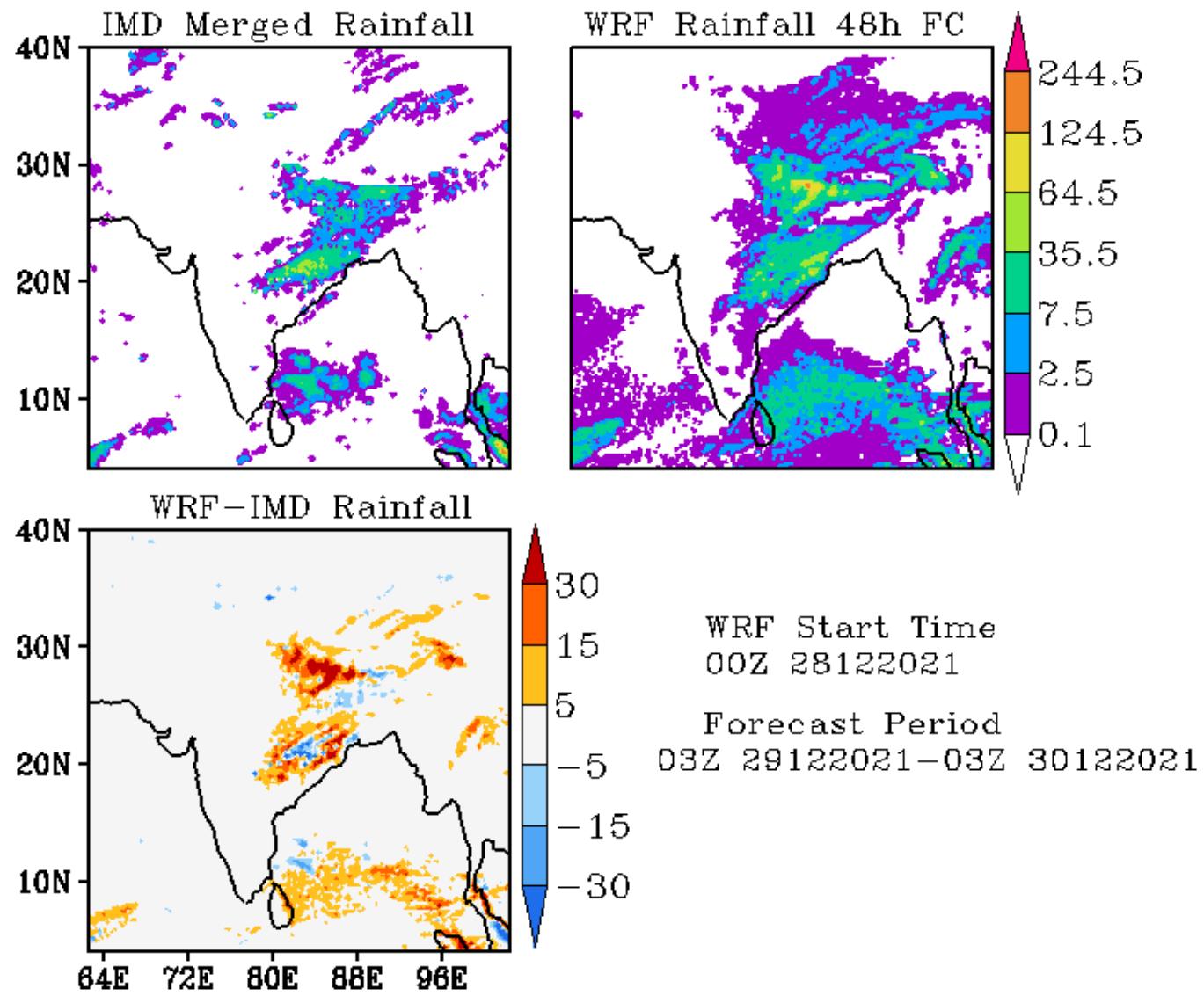


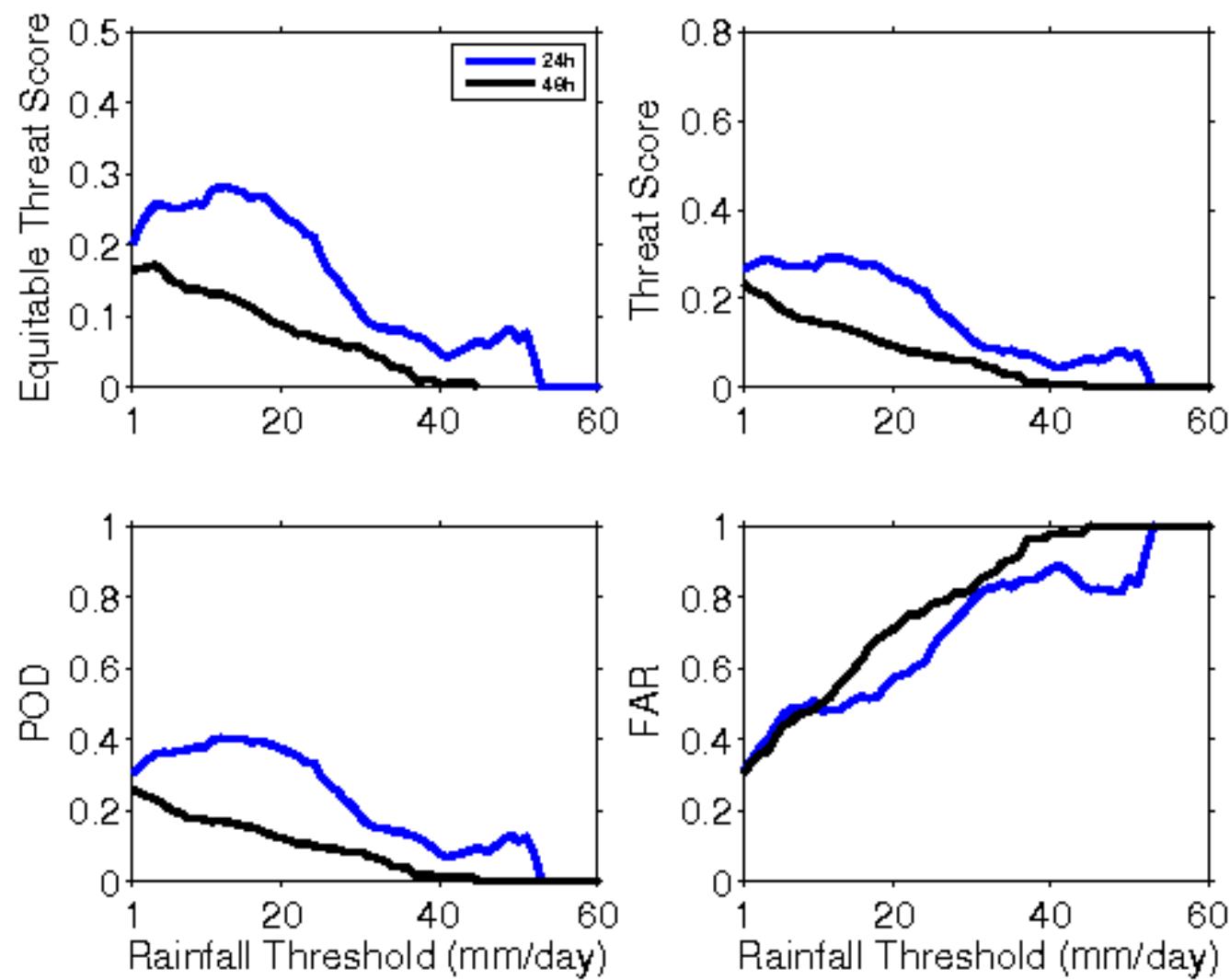


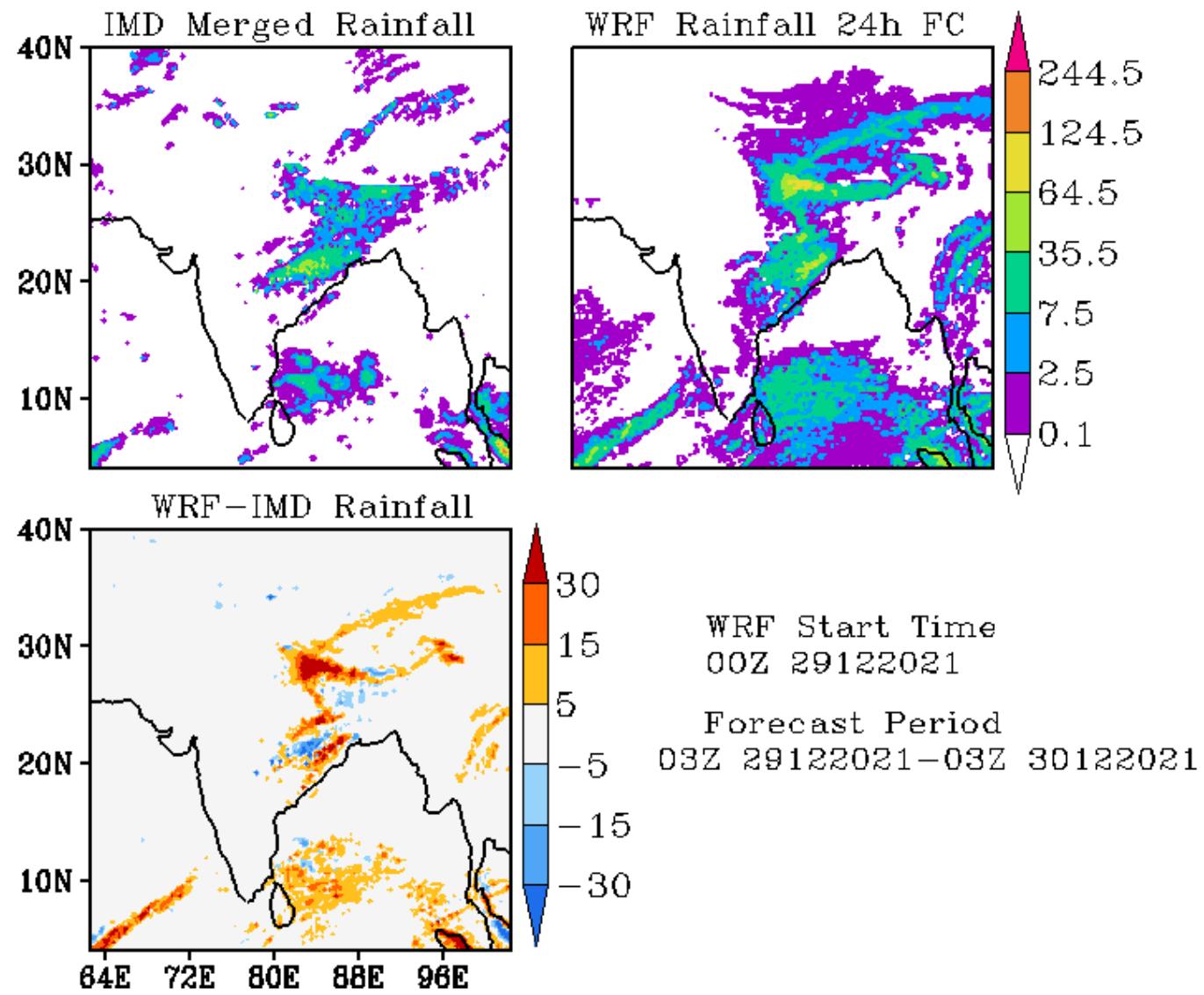


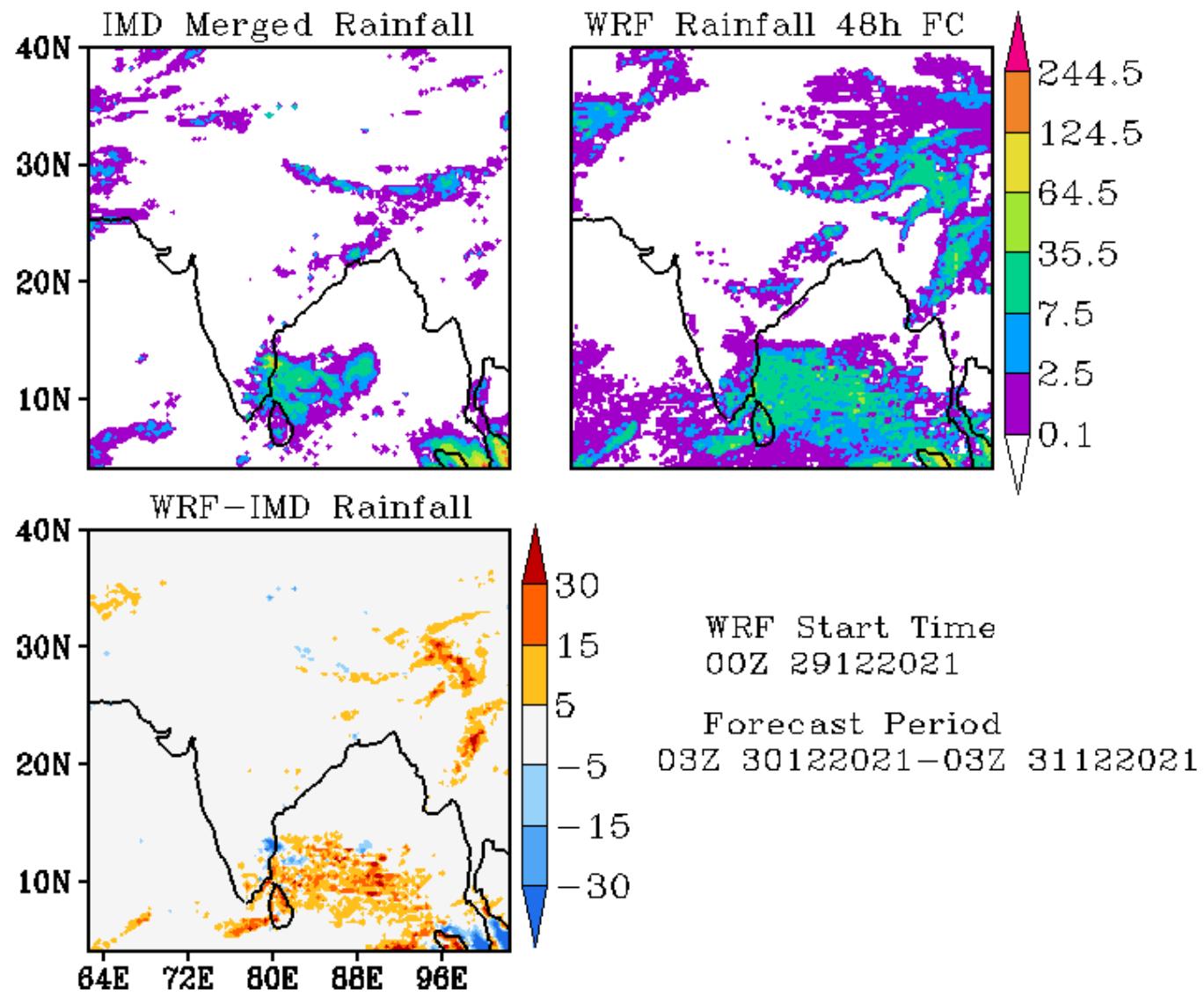


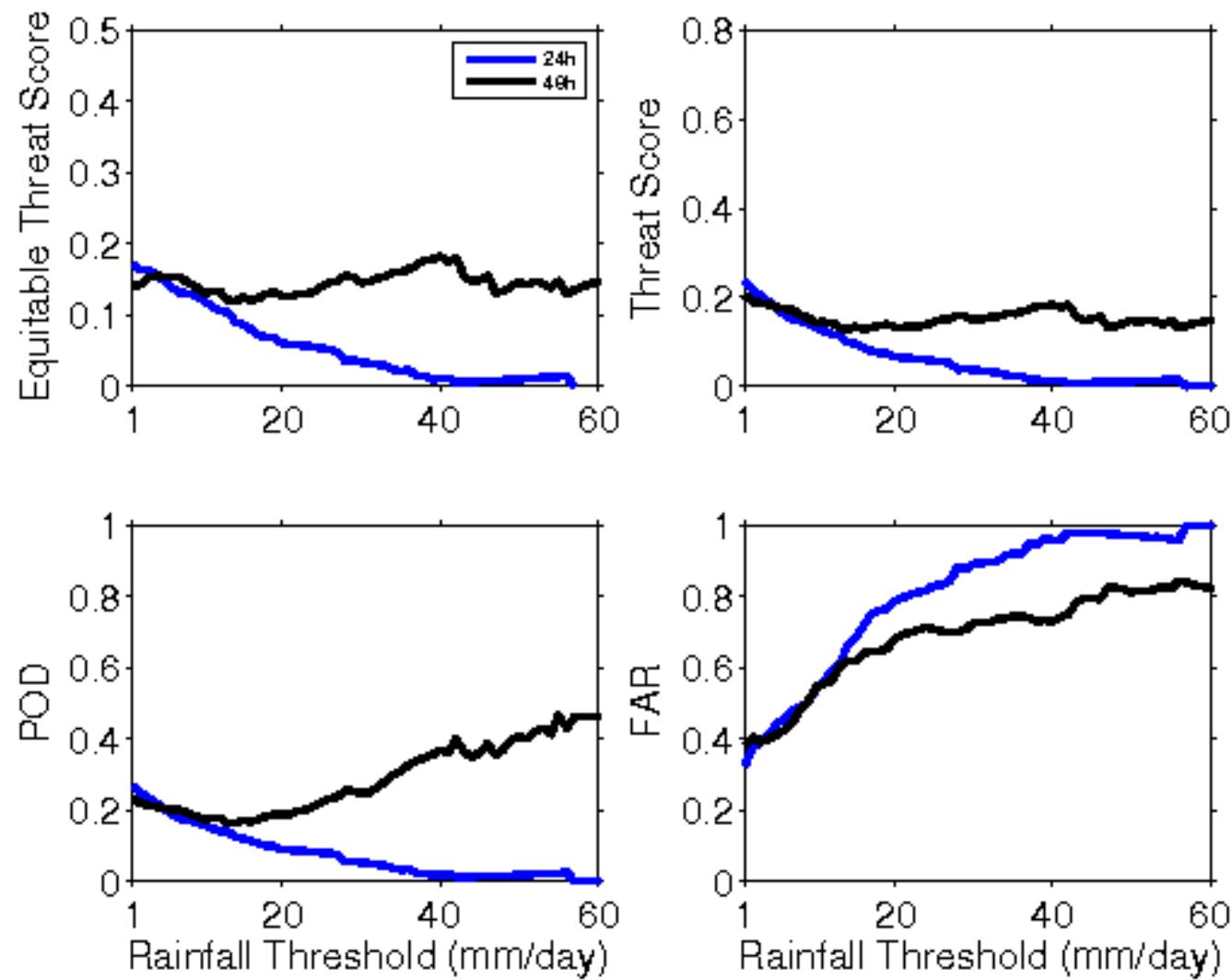


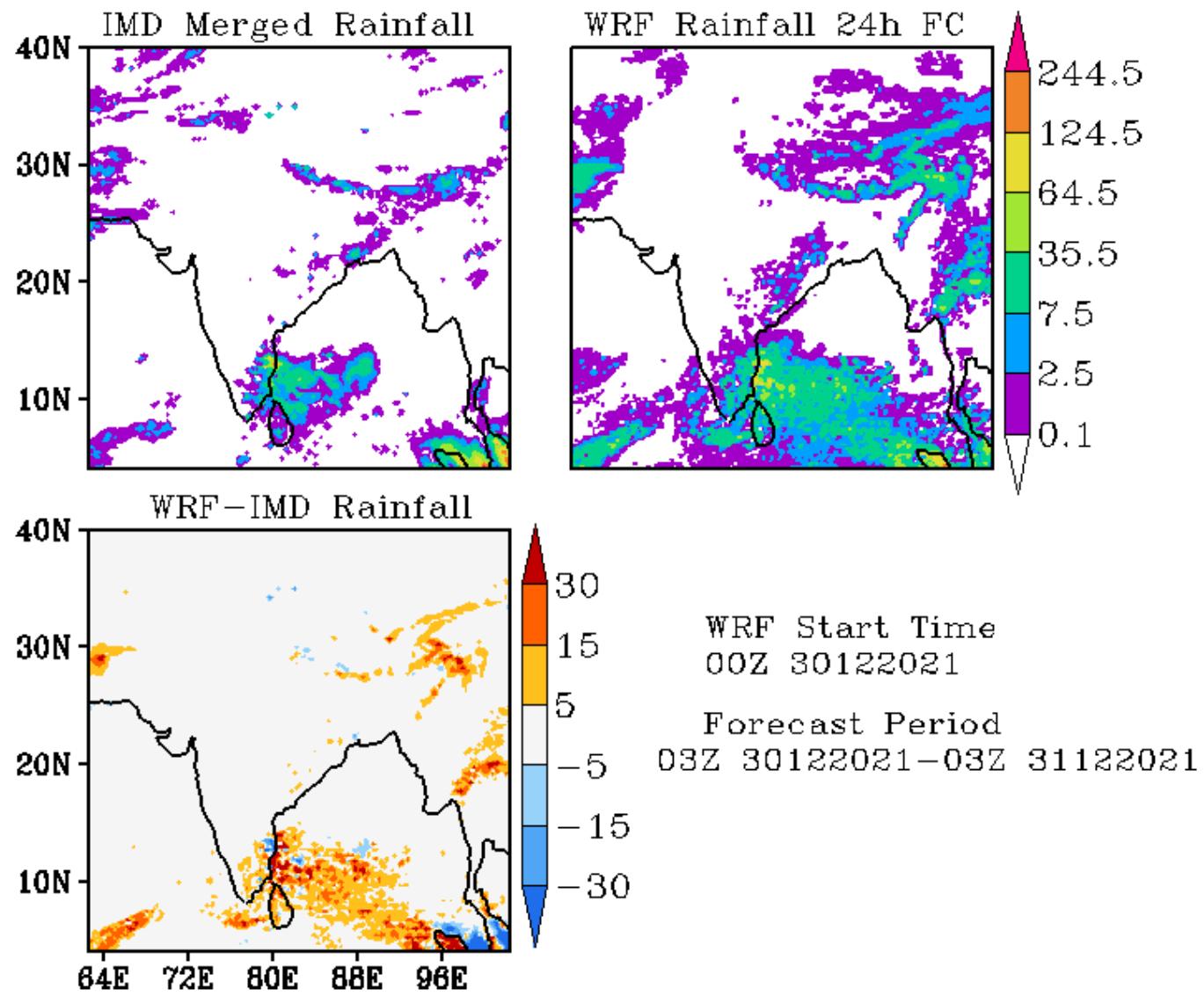






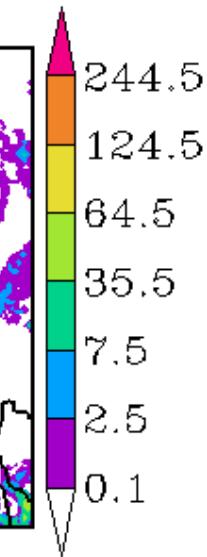
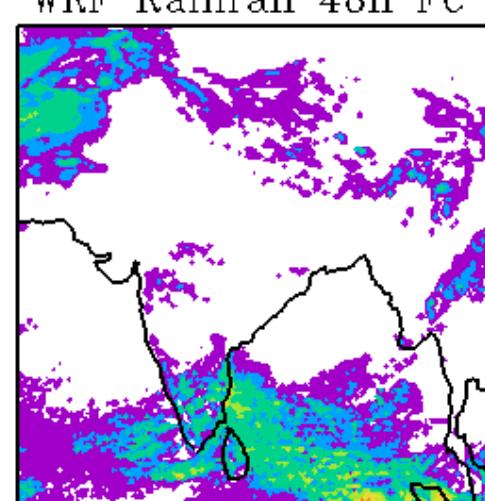




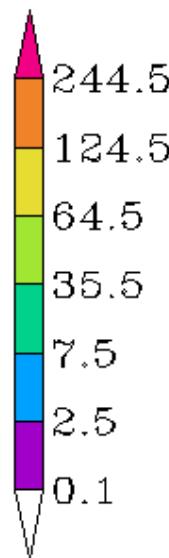


IMD Merged Rainfall

WRF Rainfall 48h FC

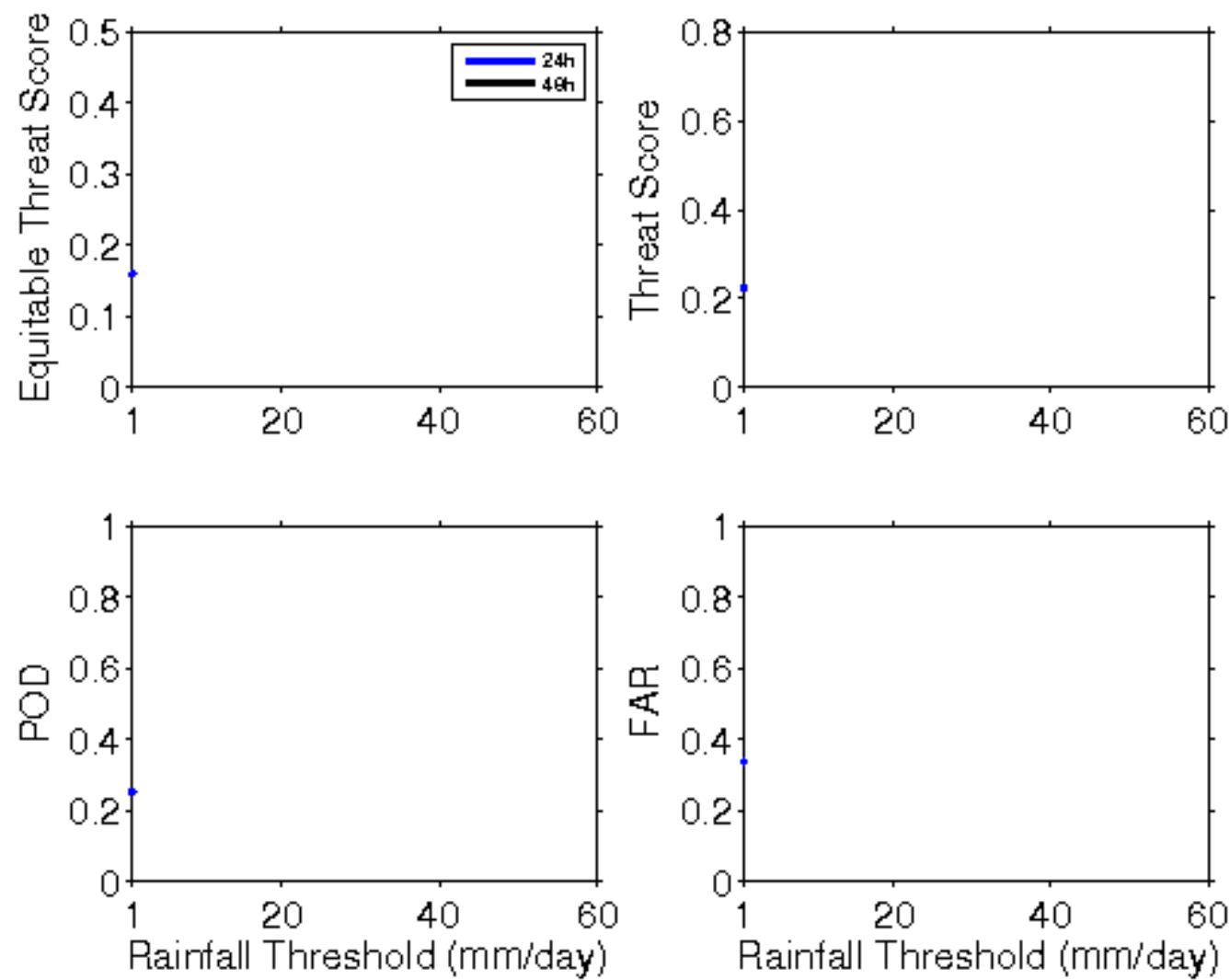


WRF-IMD Rainfall



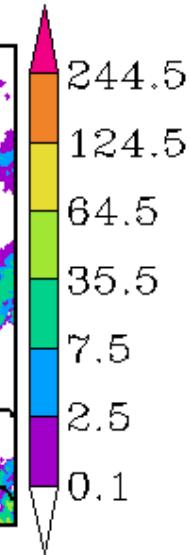
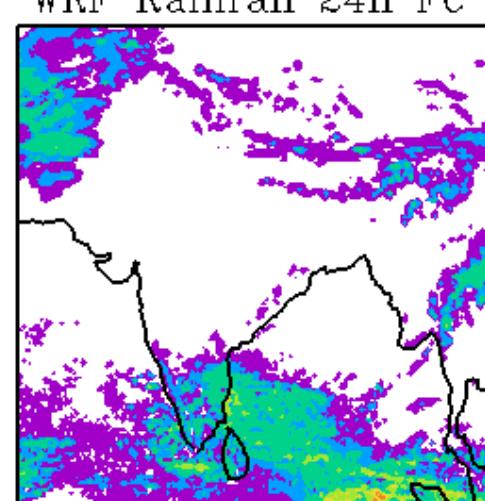
WRF Start Time
00Z 30122021

Forecast Period
03Z 31122021–03Z 01012022

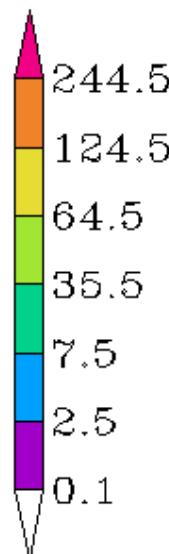


IMD Merged Rainfall

WRF Rainfall 24h FC



WRF-IMD Rainfall

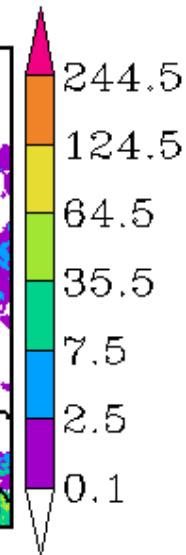
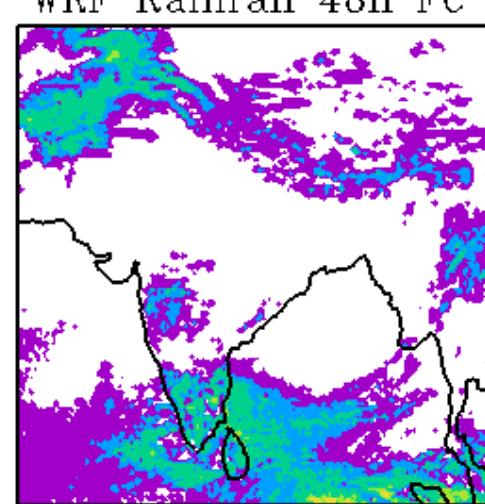


WRF Start Time
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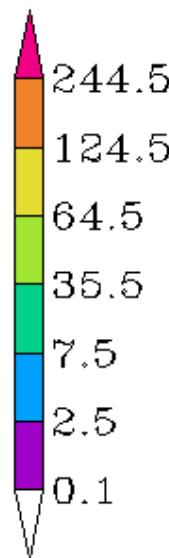
Forecast Period
03Z 31122021–03Z 01012022

IMD Merged Rainfall

WRF Rainfall 48h FC



WRF-IMD Rainfall



WRF Start Time
00Z 31122021

Forecast Period
03Z 01012022–03Z 02012022

