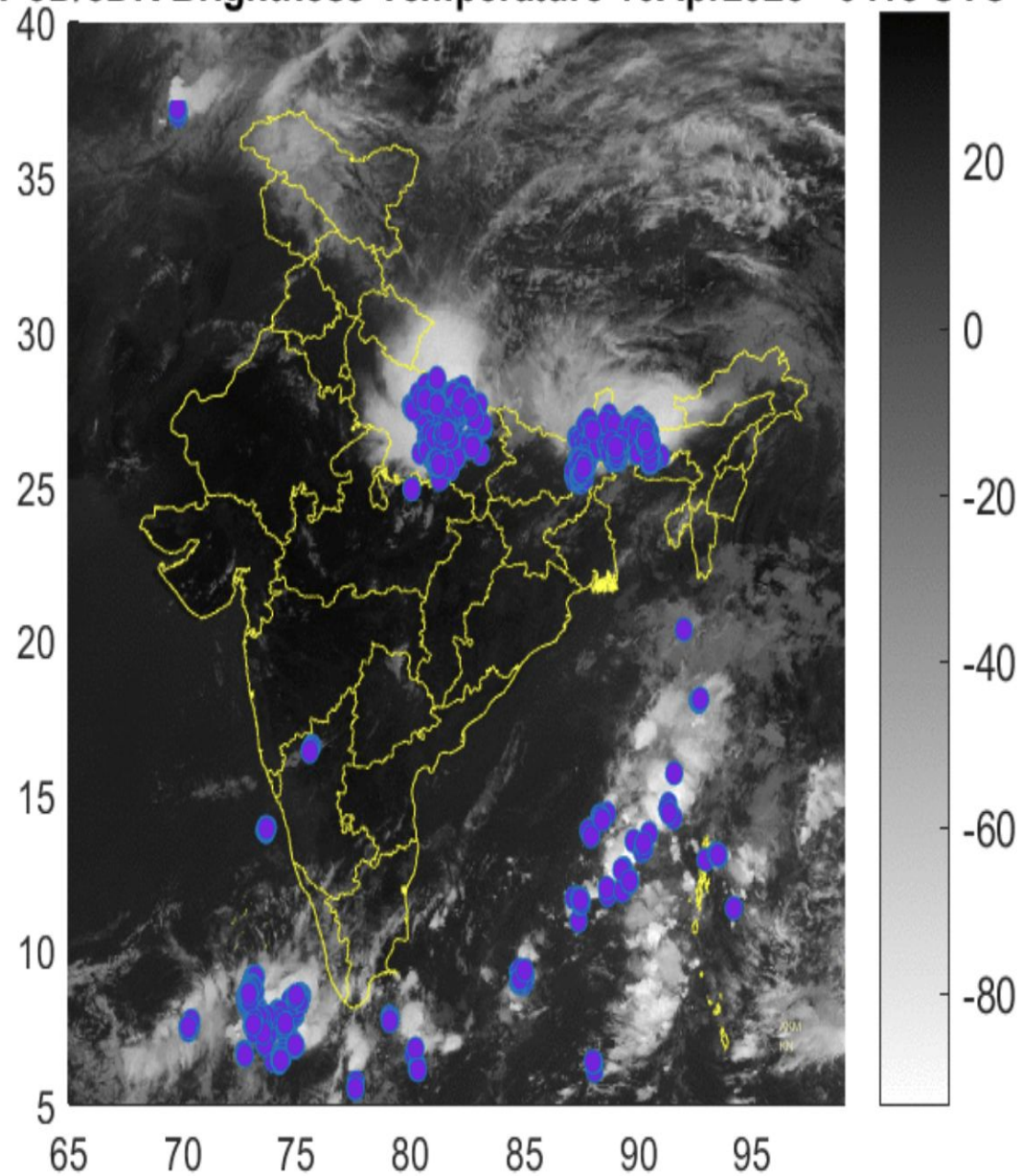


INSAT 3D/3DR Brightness Temperature 10Apr2025 0415 UTC



☒ Day 3 (08:30 IST 07/4/2025 - 08:30 IST 10/4/2025)

☐ Day 4 (08:30 IST 06/4/2025 - 08:30 IST 10/4/2025)

☐ Day 5 (08:30 IST 05/4/2025 - 08:30 IST 10/4/2025)

☐ Day 6 (08:30 IST 04/4/2025 - 08:30 IST 10/4/2025)

☐ Day 7 (08:30 IST 03/4/2025 - 08:30 IST 10/4/2025)

Legend: (Rainfall in mm)

- 0.1 - 15
- 15 - 35
- 35 - 65
- 65 - 115
- 115 - 200
- 200 - 300
- 300 - 400
- 400 - 500
- > 500

☐ Day 3 (08:30 IST 07/4/2025 - 08:30 IST 10/4/2025)

☐ Day 4 (08:30 IST 06/4/2025 - 08:30 IST 10/4/2025)

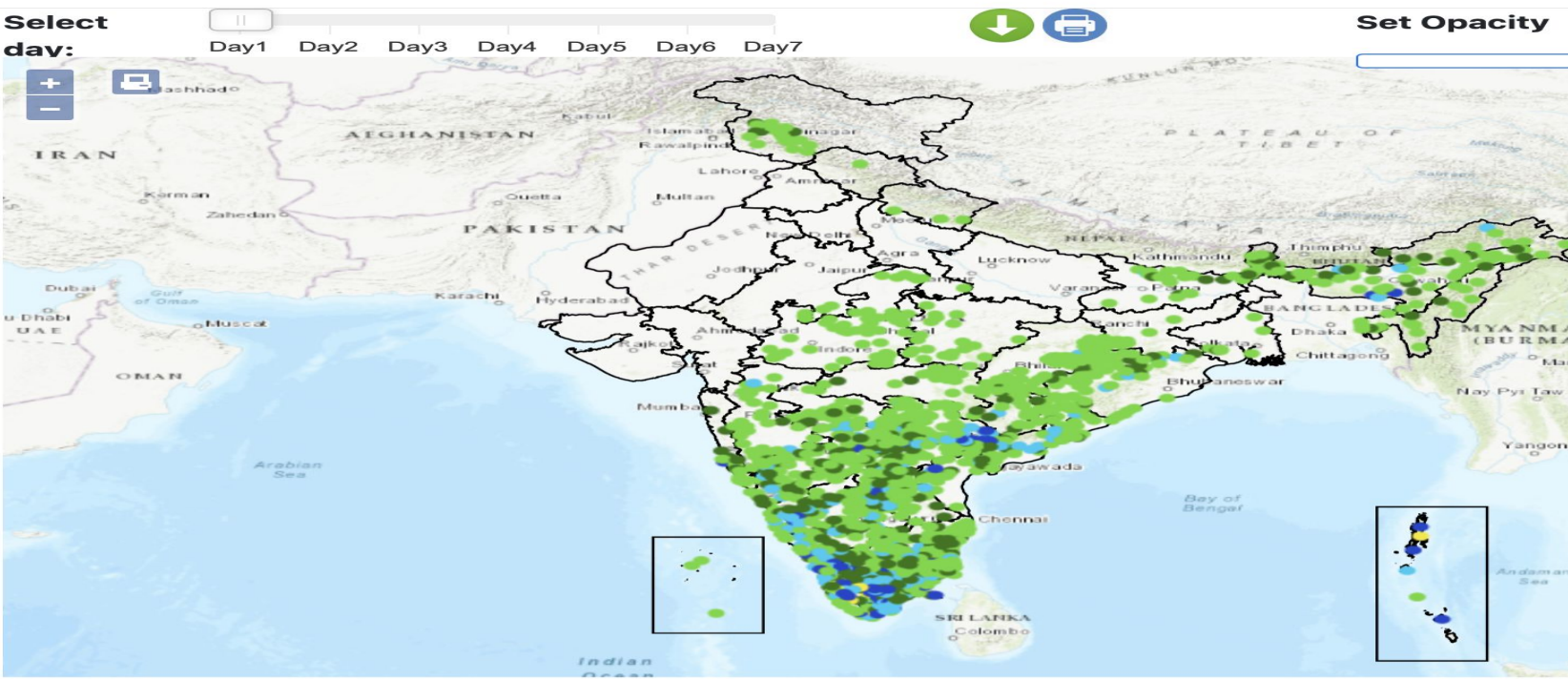
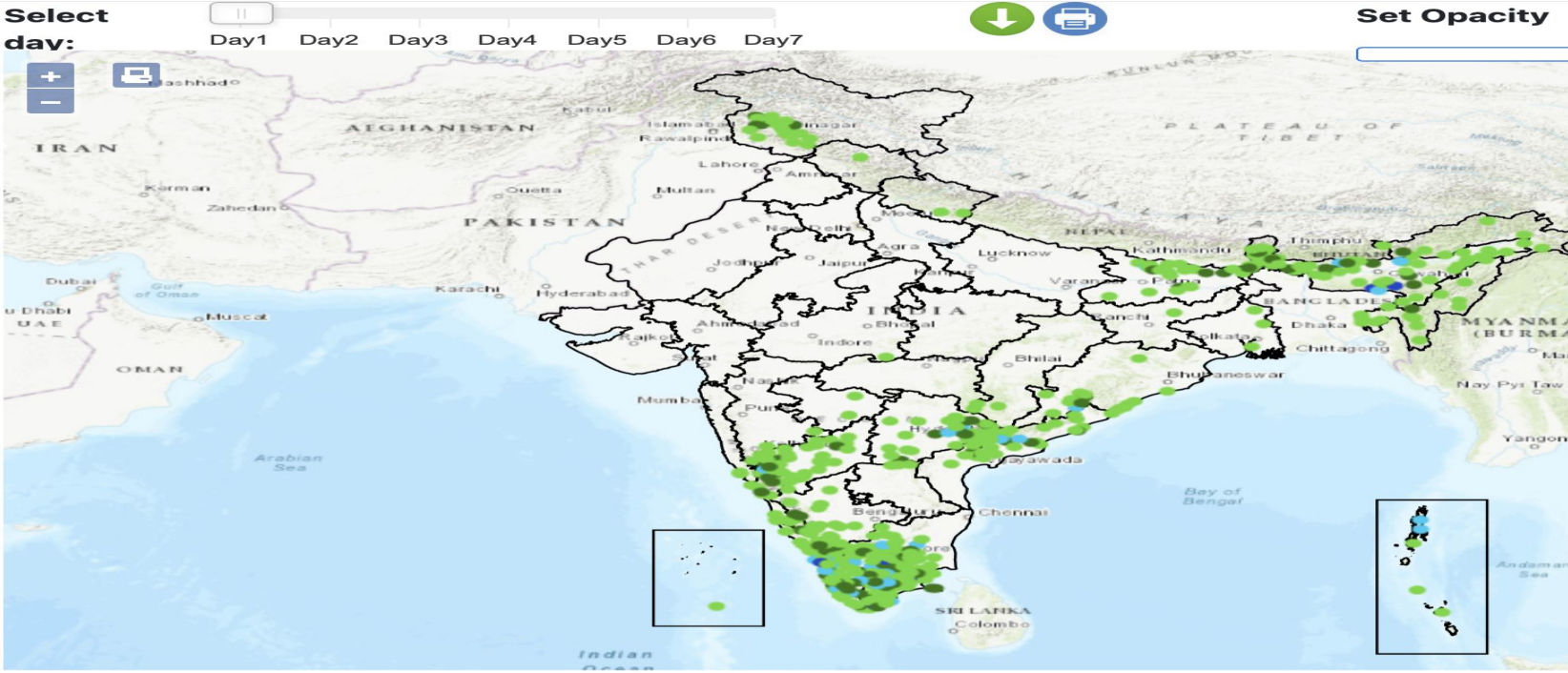
☐ Day 5 (08:30 IST 05/4/2025 - 08:30 IST 10/4/2025)

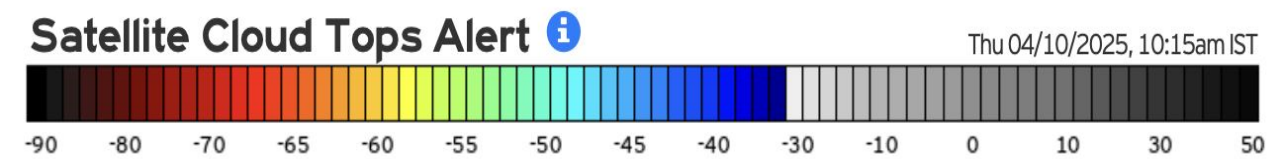
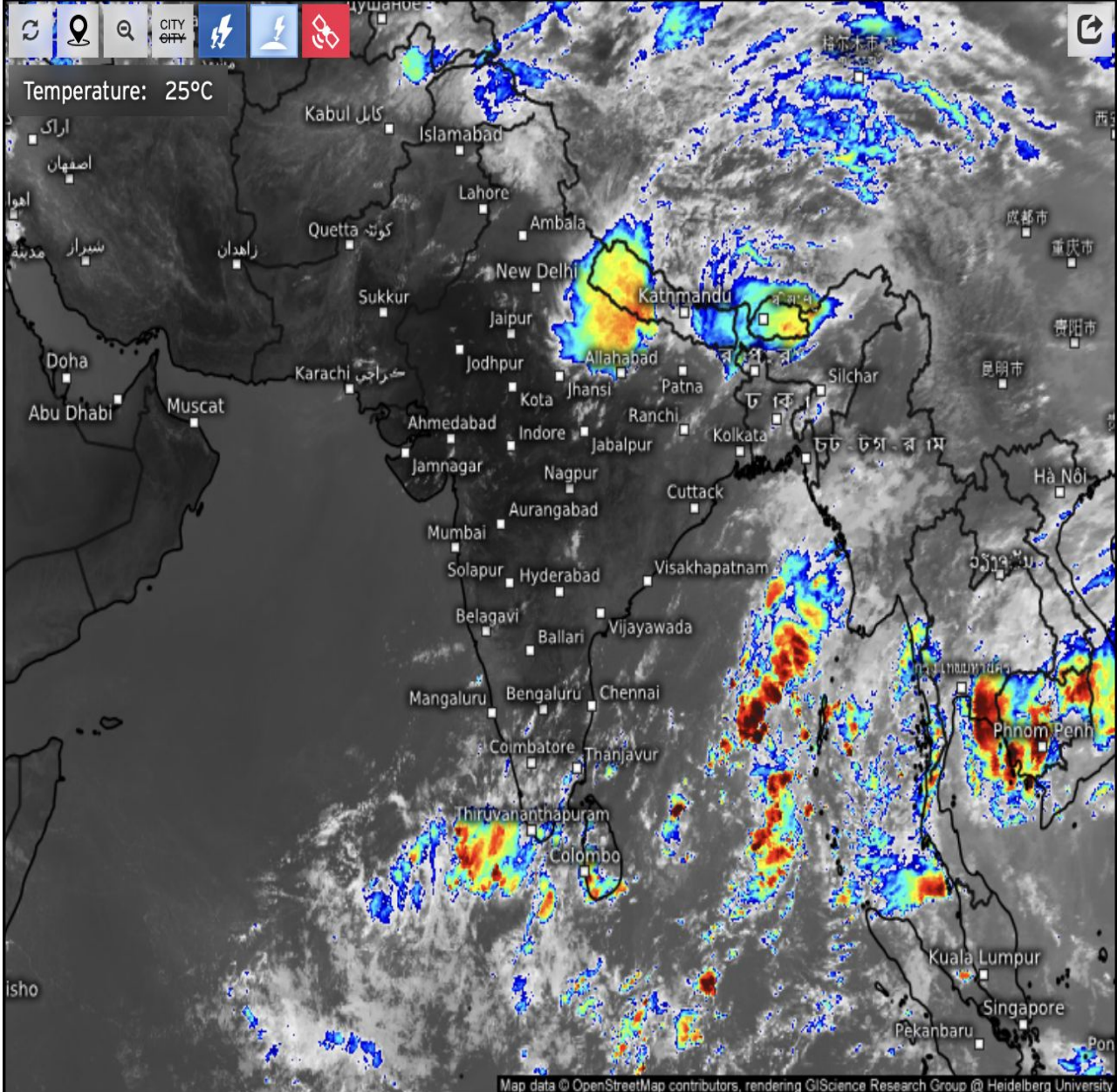
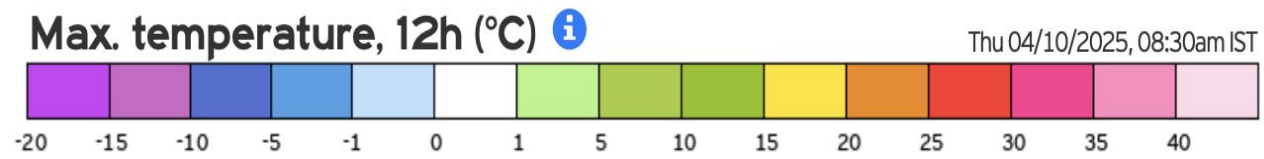
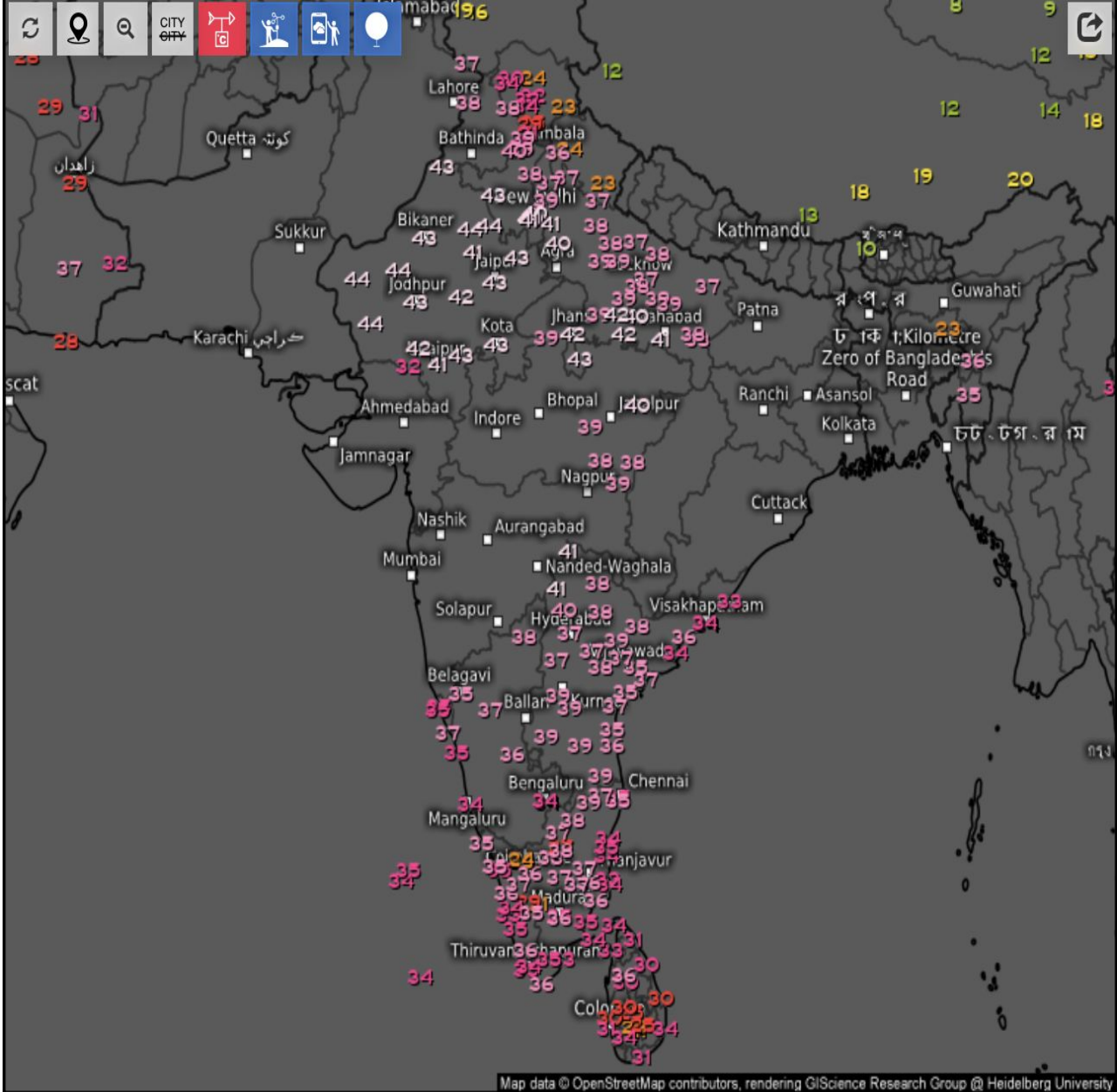
☐ Day 6 (08:30 IST 04/4/2025 - 08:30 IST 10/4/2025)

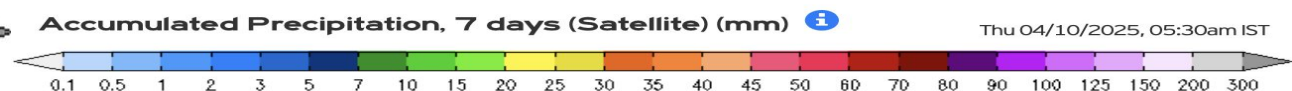
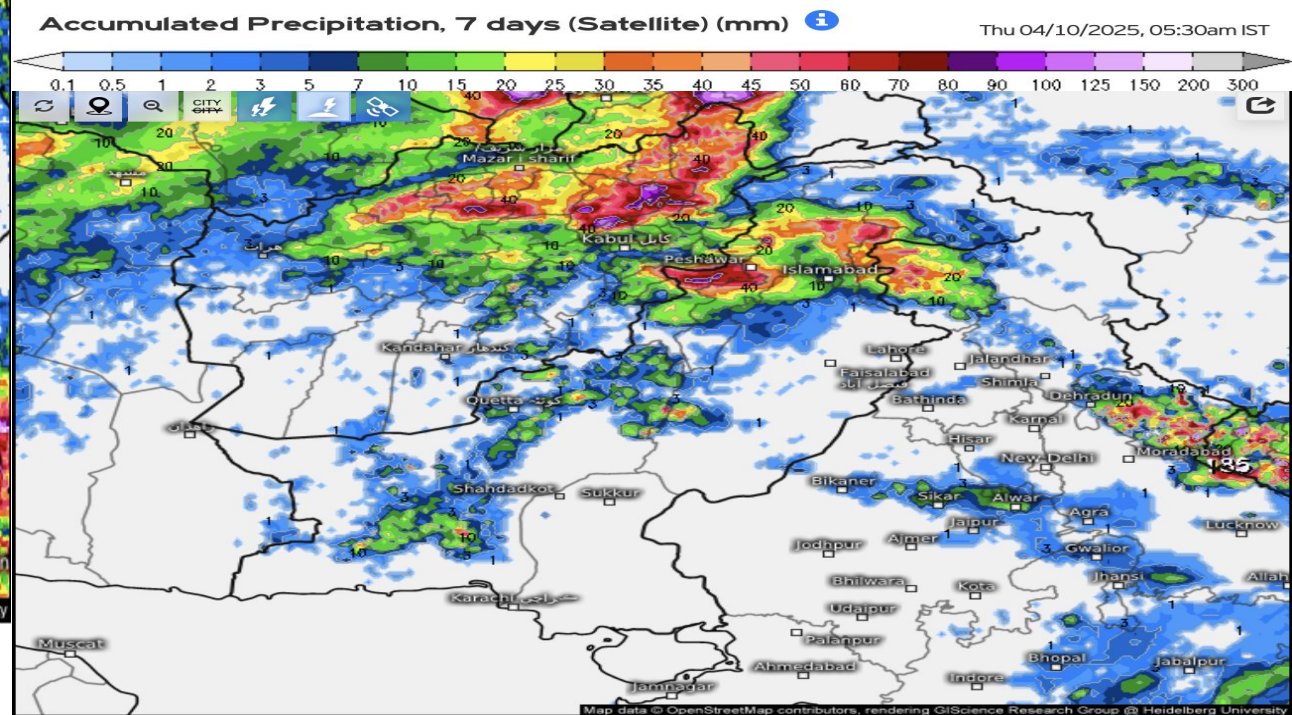
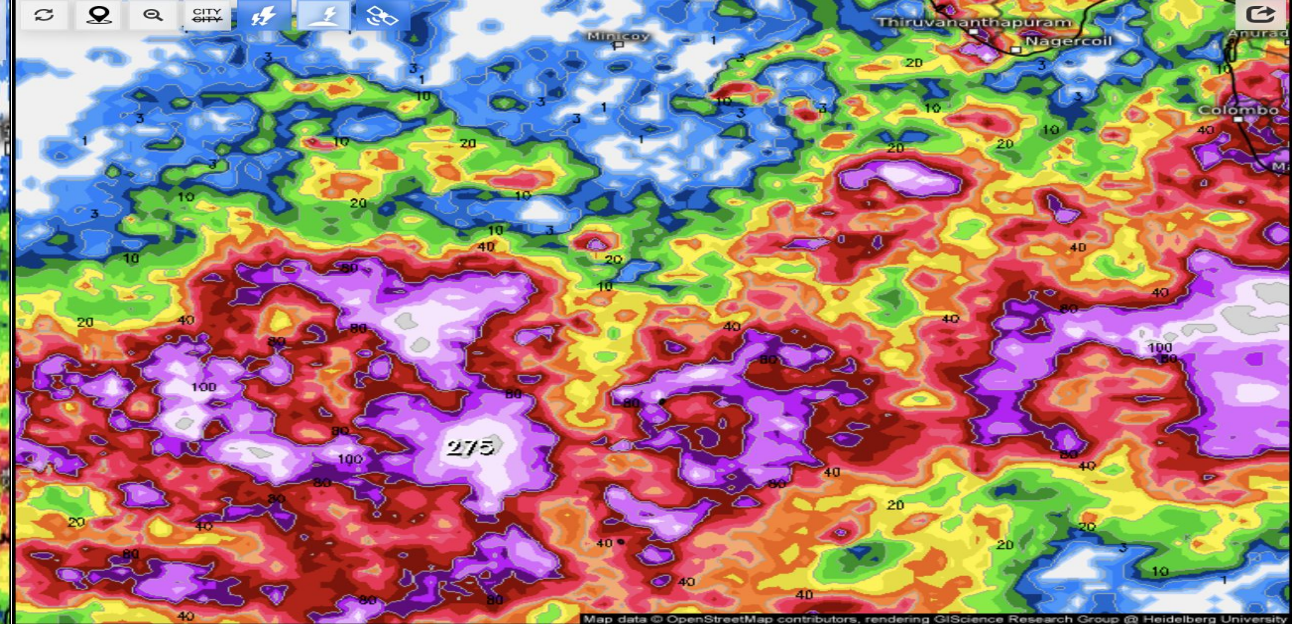
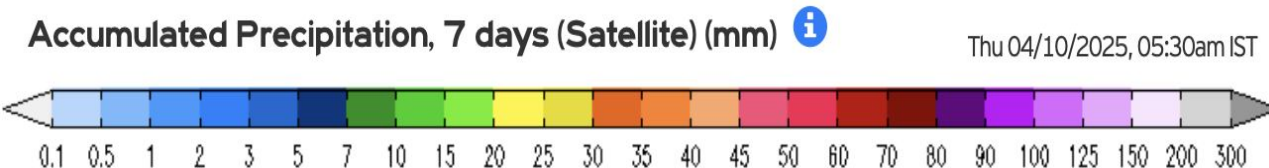
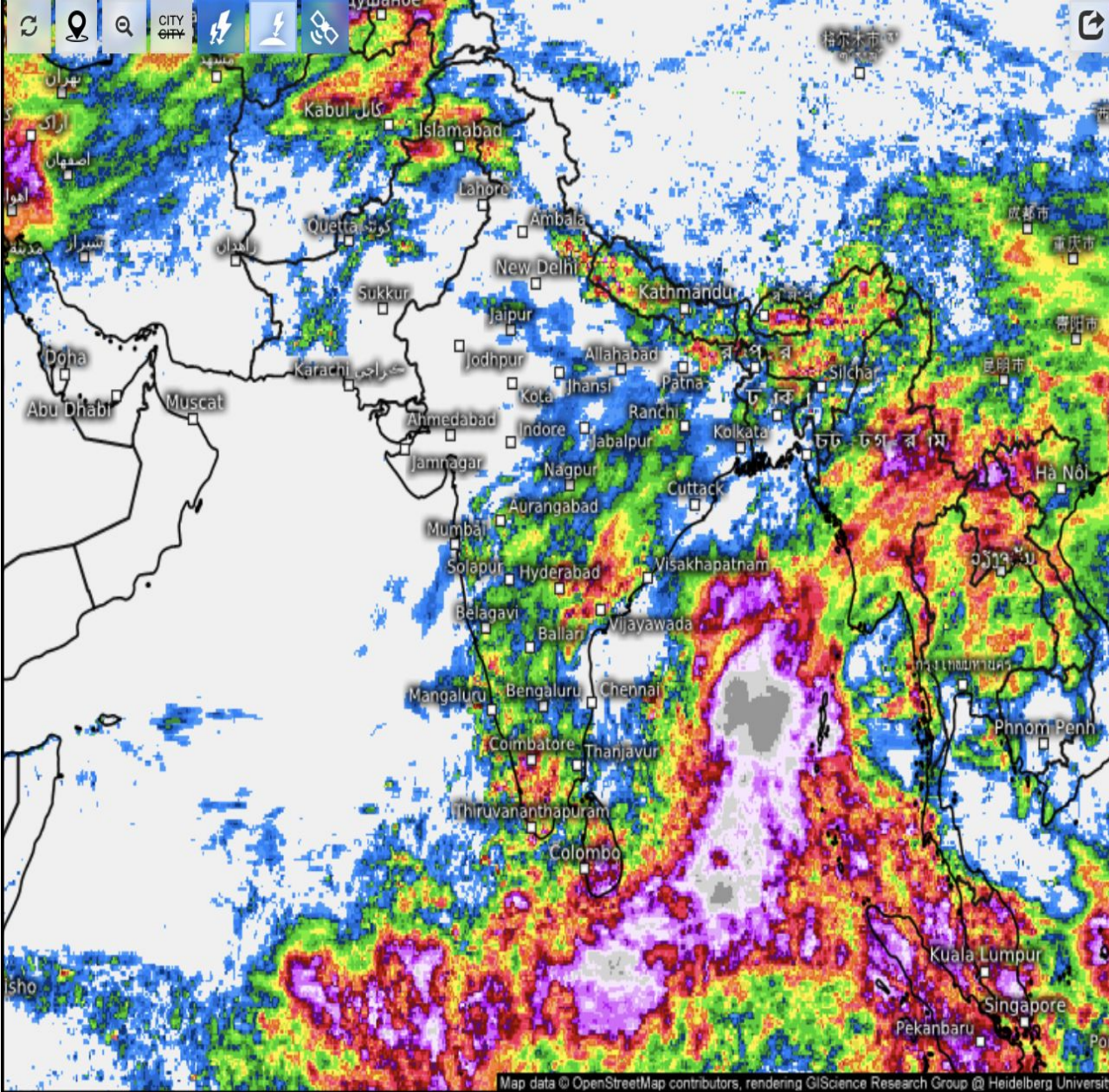
☒ Day 7 (08:30 IST 03/4/2025 - 08:30 IST 10/4/2025)

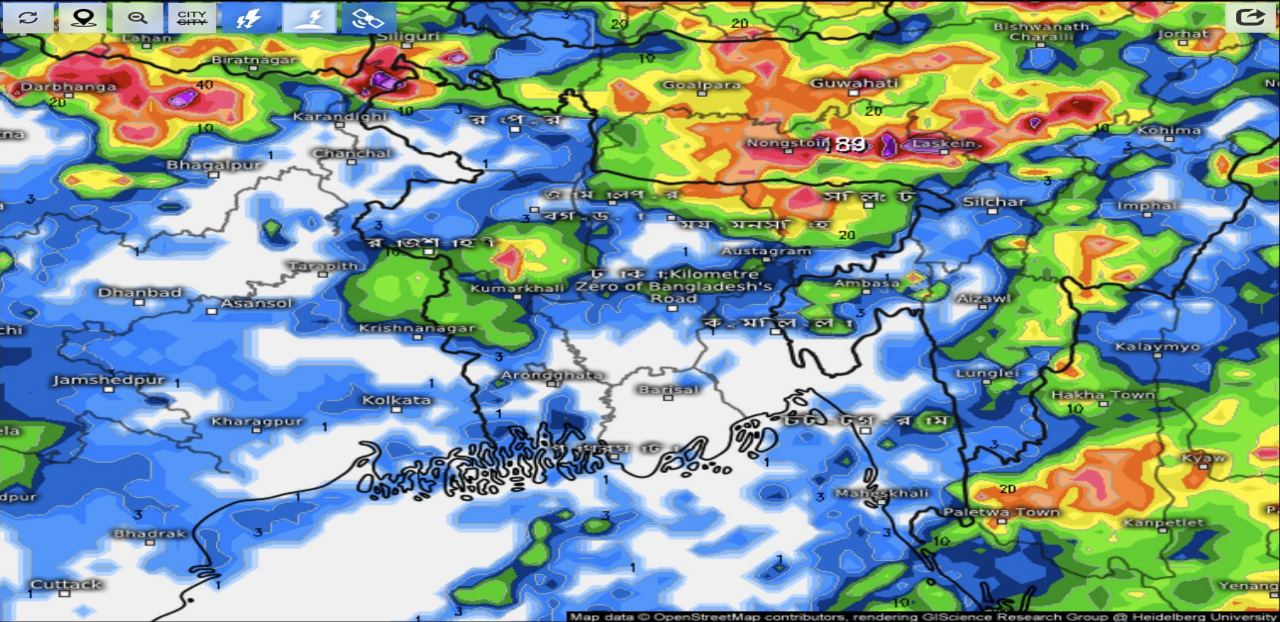
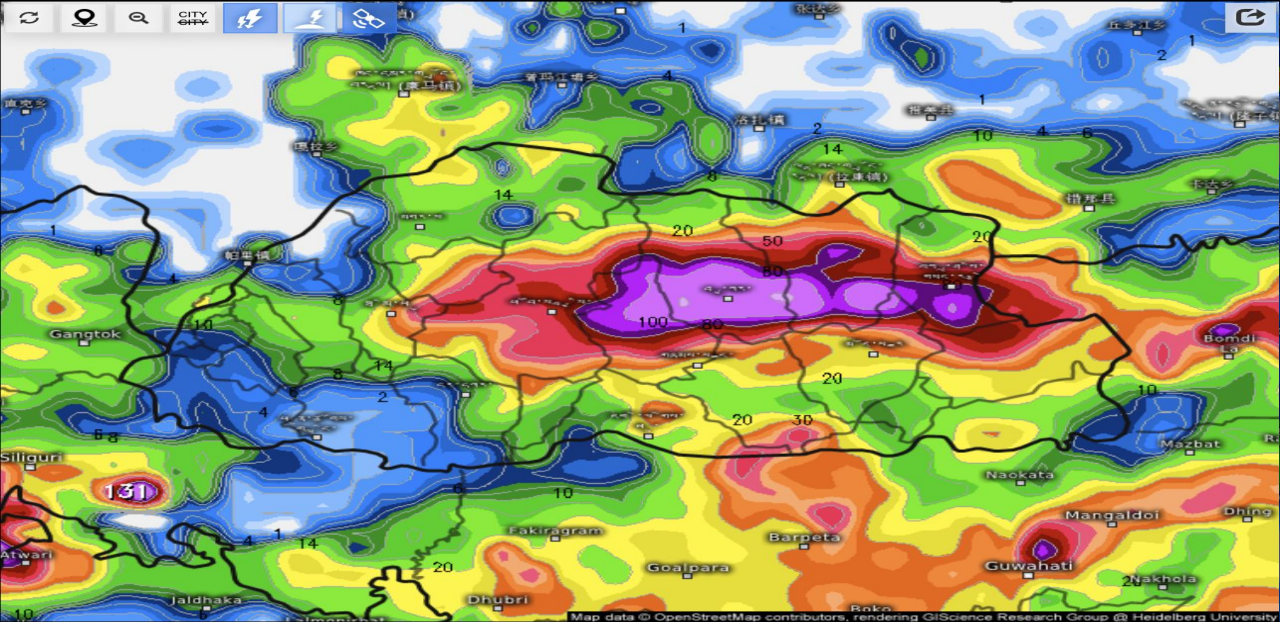
Legend: (Rainfall in mm)

- 0.1 - 15
- 15 - 35
- 35 - 65
- 65 - 115
- 115 - 200
- 200 - 300
- 300 - 400
- 400 - 500
- > 500



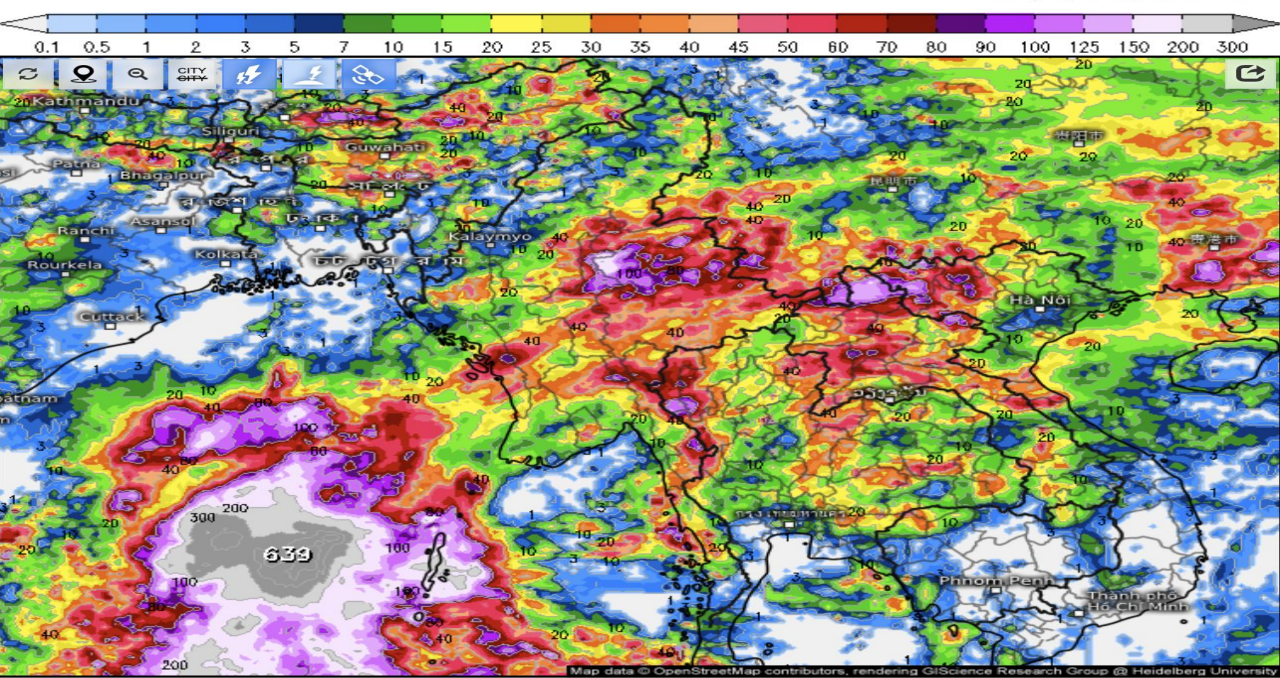
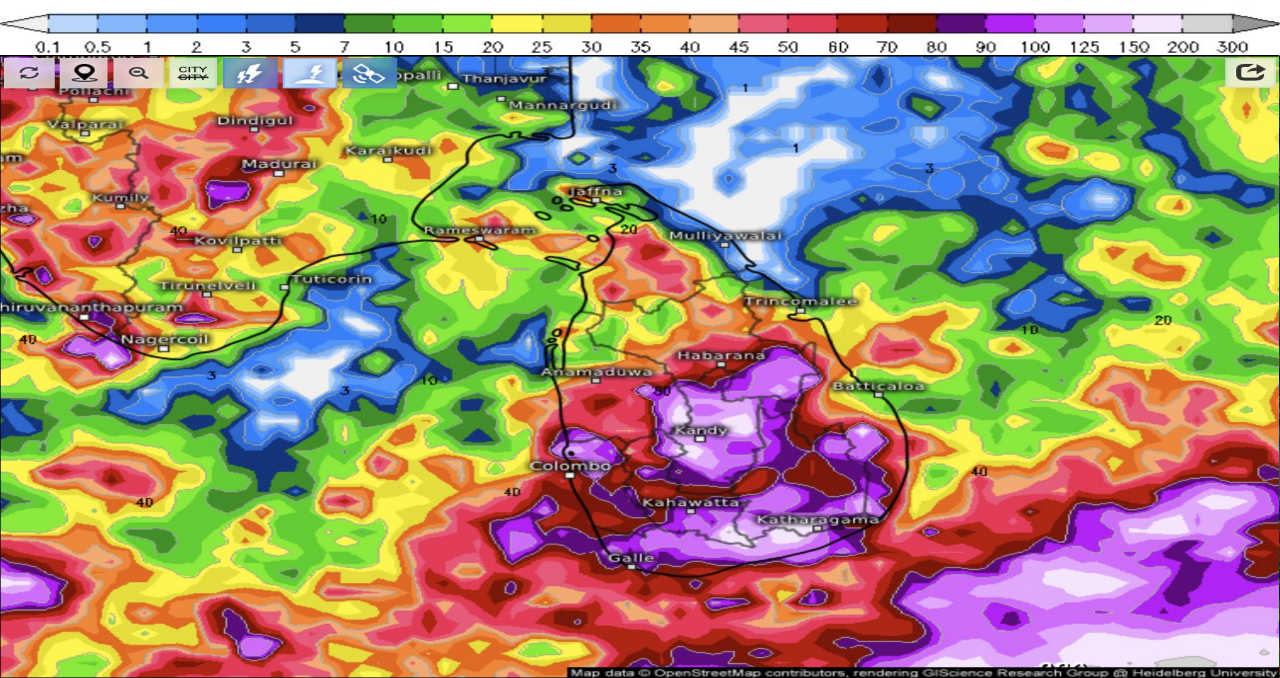






Accumulated Precipitation, 7 days (Satellite) (mm) Thu 04/10/2025, 05:30am IST

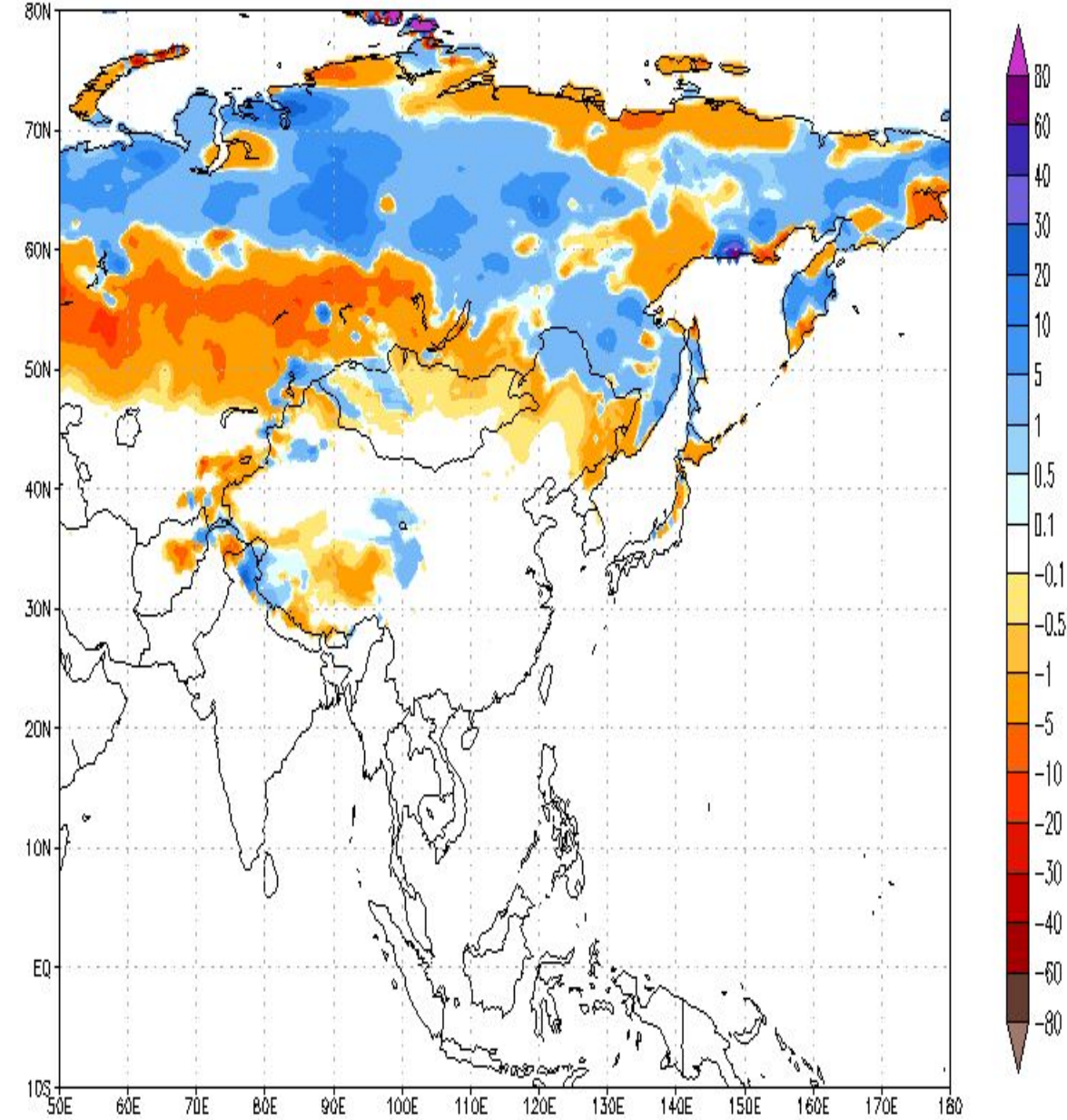
Accumulated Precipitation, 7 days (Satellite) (mm) Thu 04/10/2025, 05:30am IST



Accumulated Precipitation, 7 days (Satellite) (mm) Thu 04/10/2025, 05:30am IST

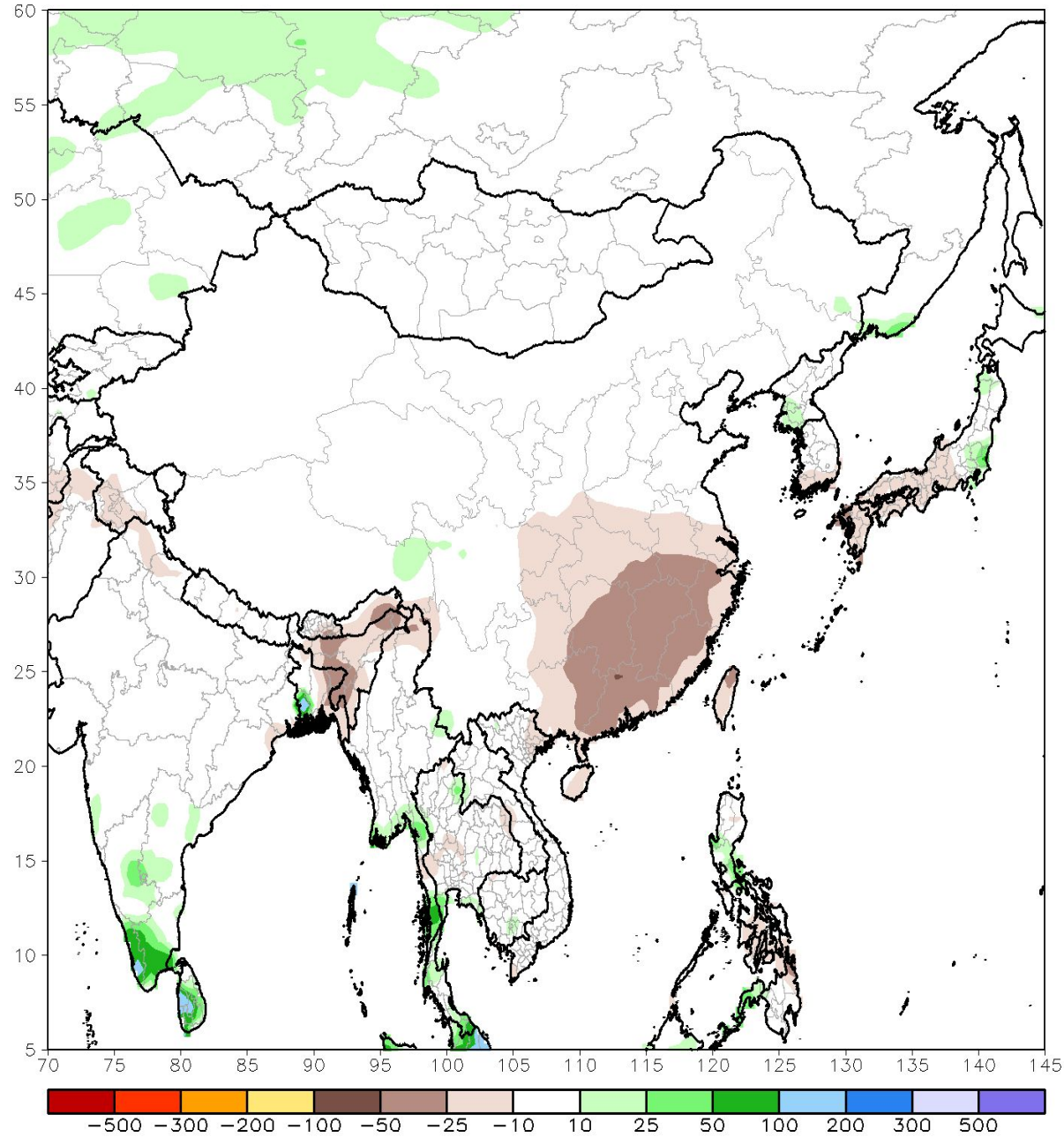
Accumulated Precipitation, 7 days (Satellite) (mm) Thu 04/10/2025, 05:30am IST

Calculated Snow Water Equivalent Anomaly (cm) 20250408



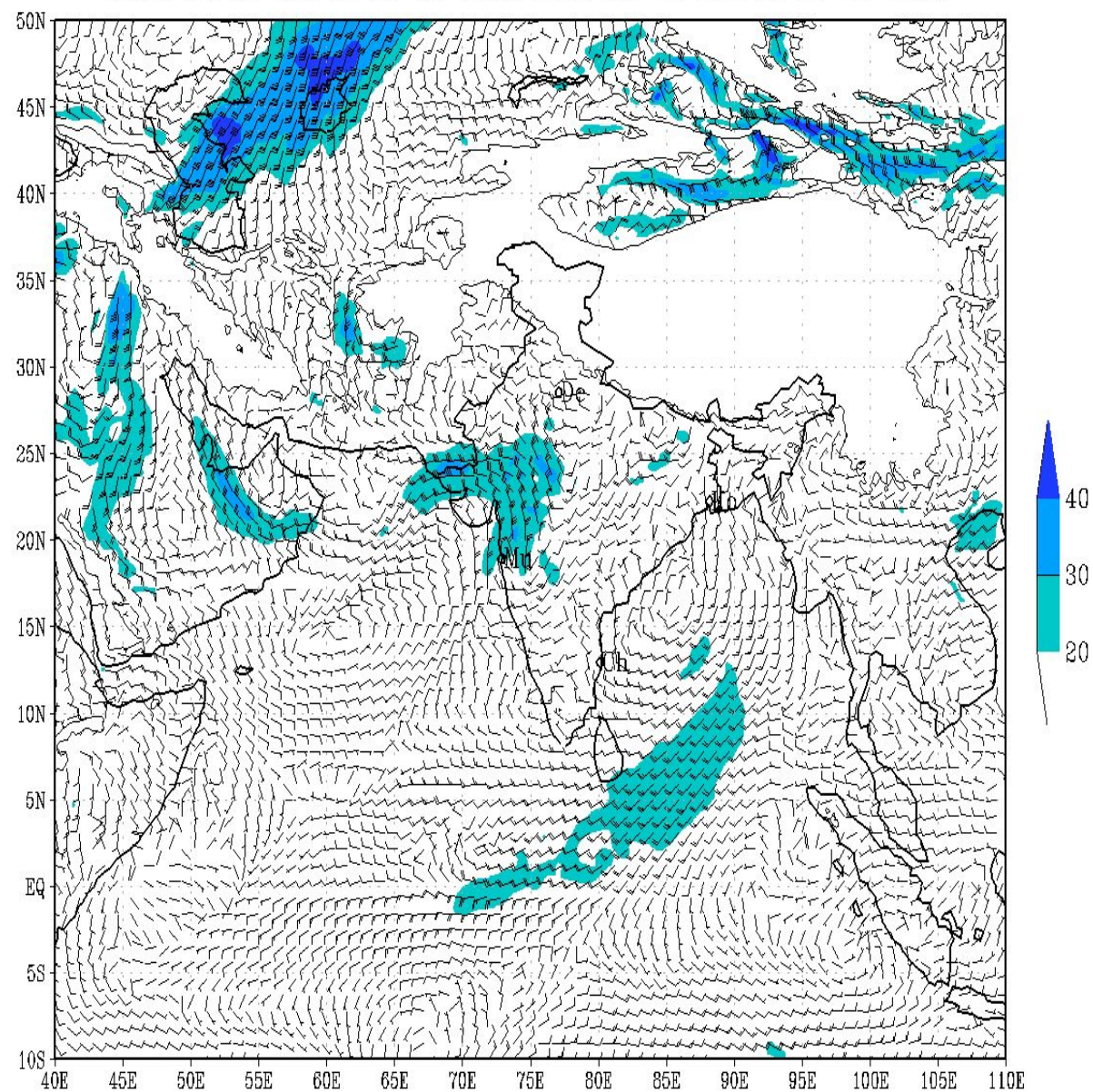
CPC Unified Gauge 7-Day Total Rainfall Anomaly (mm)

Period: 02Apr2025 - 08Apr2025



IMD:GFS MODEL(12 Km) 850 hPa WIND (kt) FORECAST (00 HR)

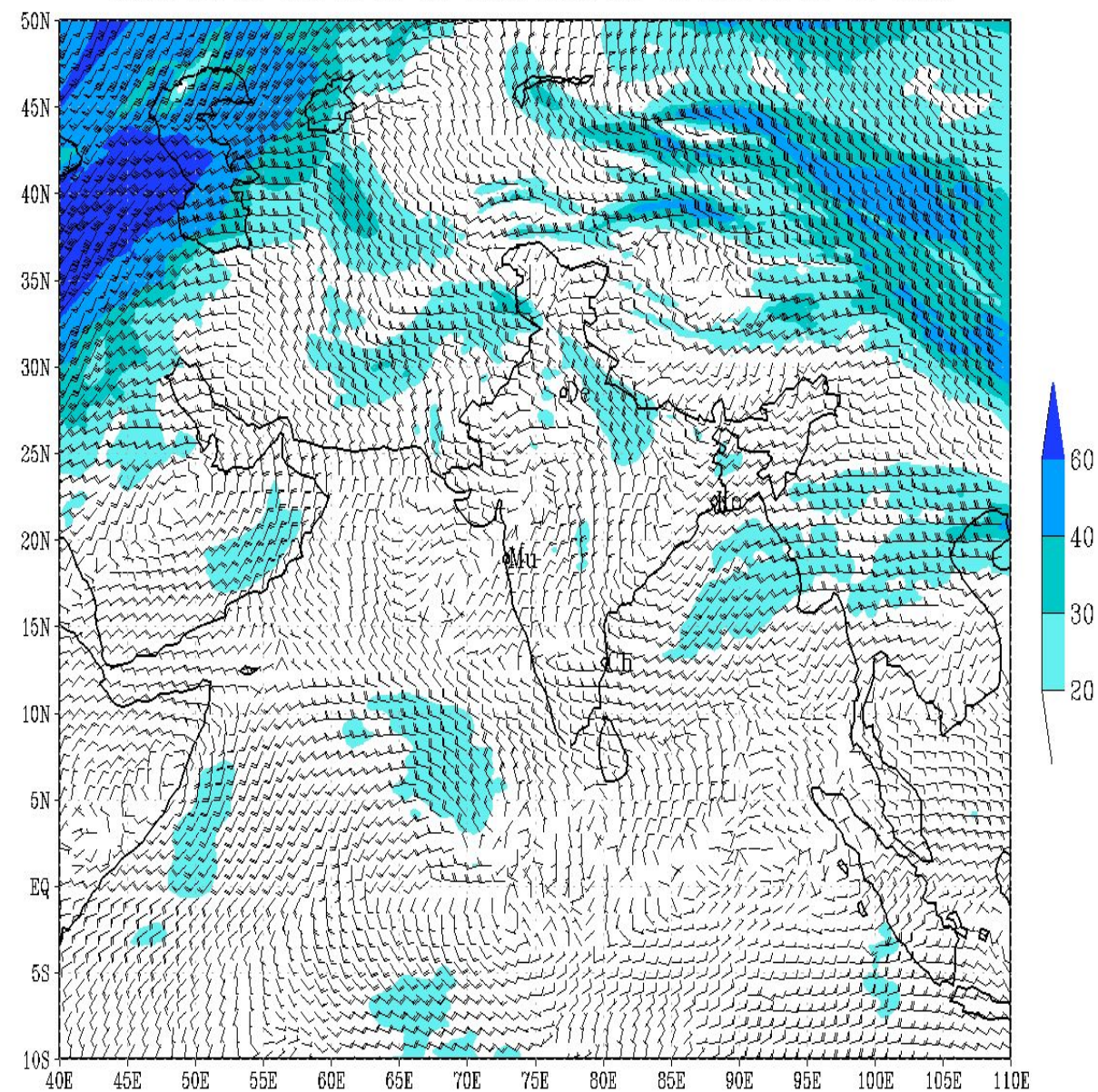
based on 00 UTC of 10-04-2025 valid for 00 UTC of 10-04-2025



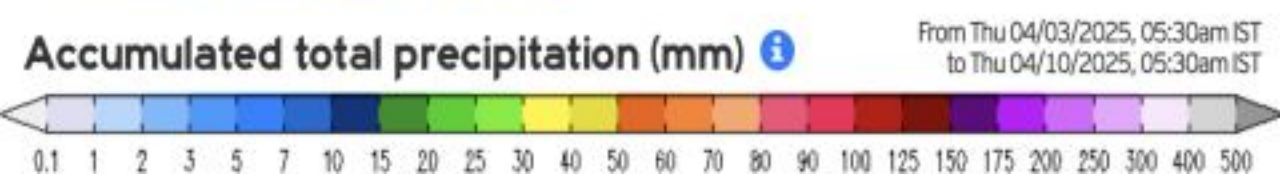
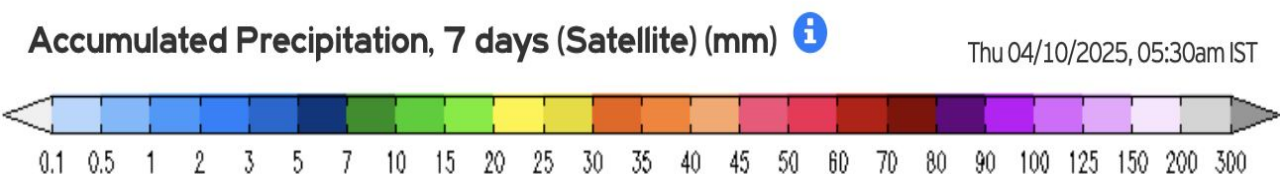
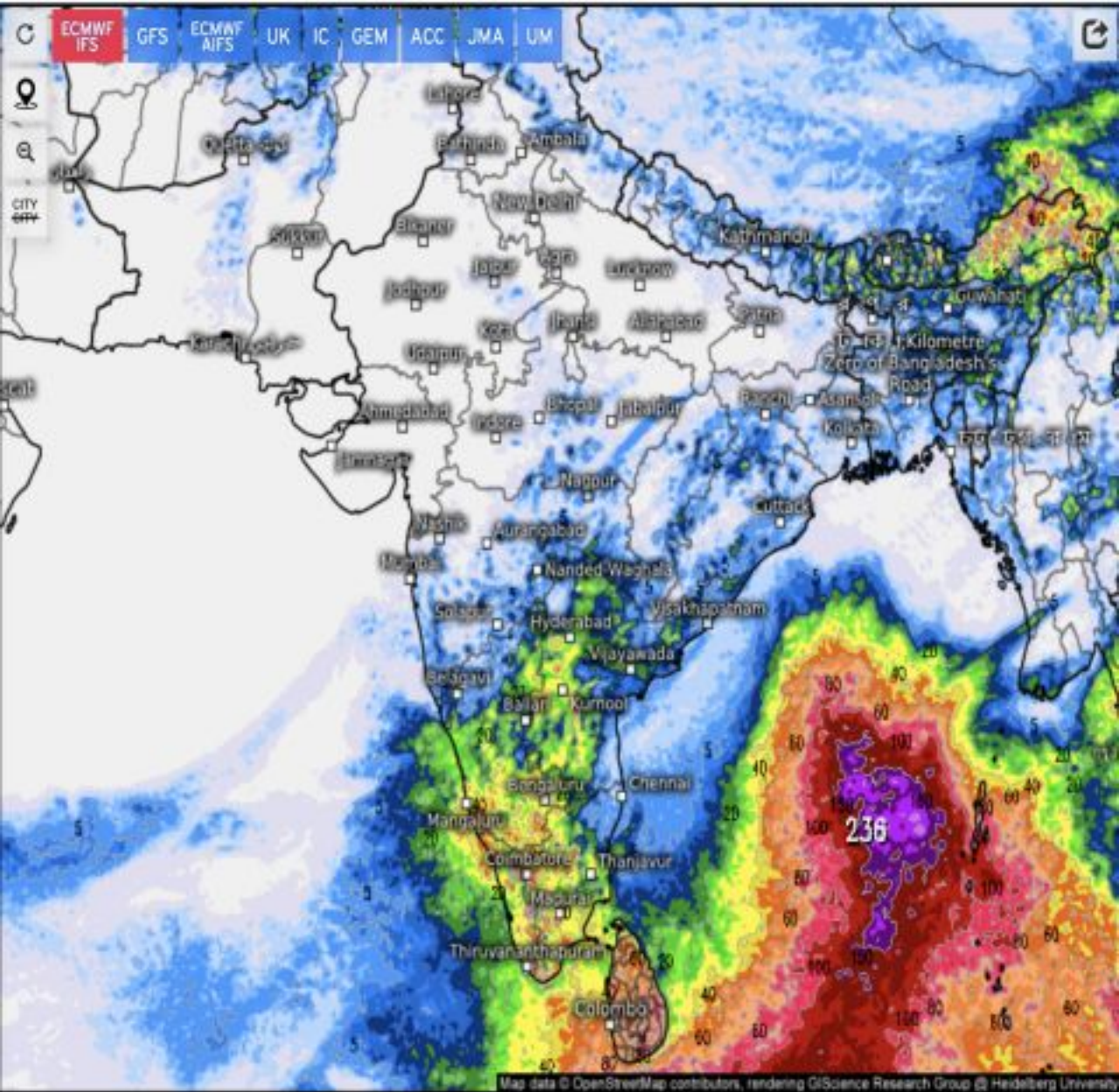
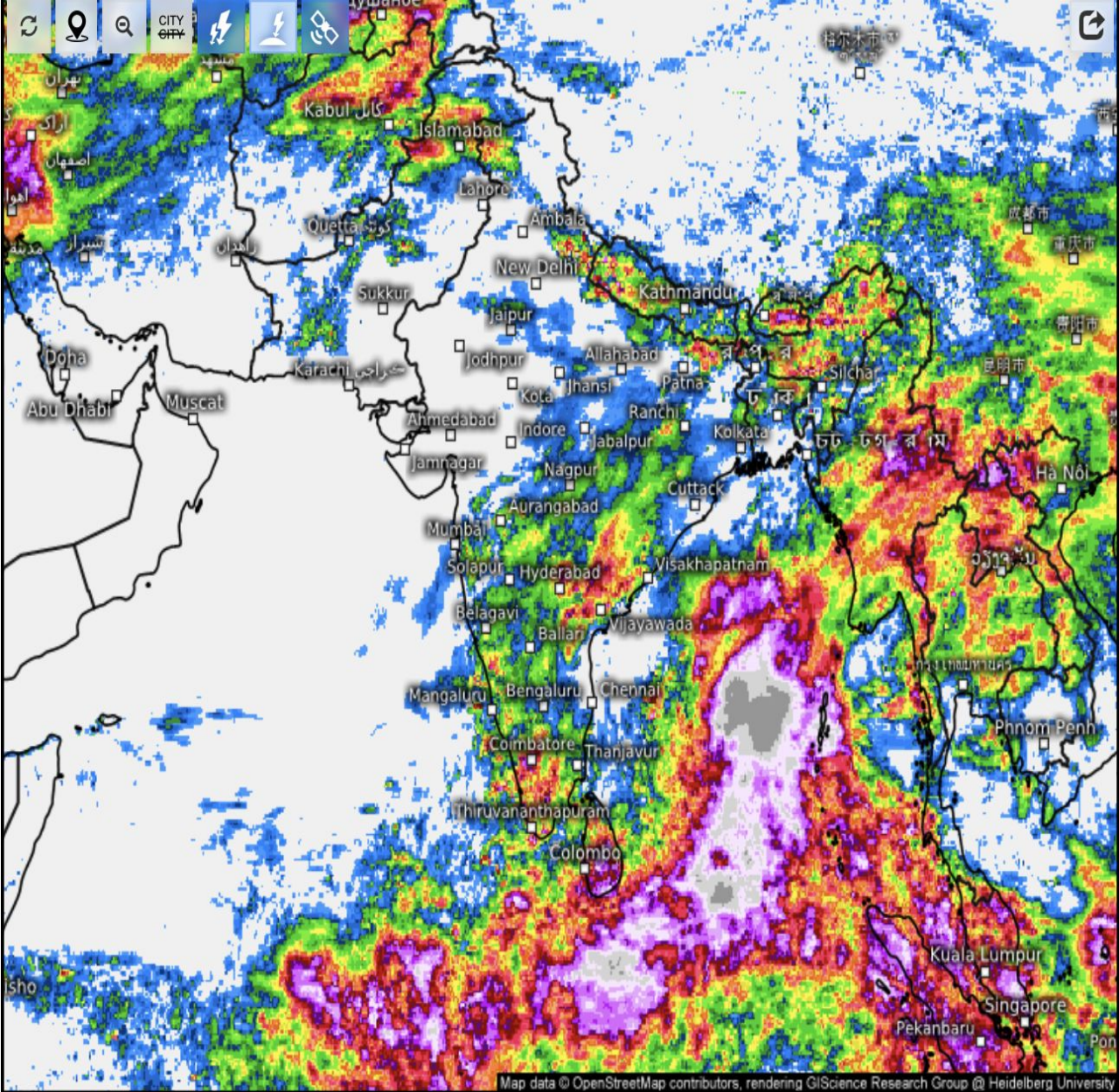
(Background does not depict political boundary)

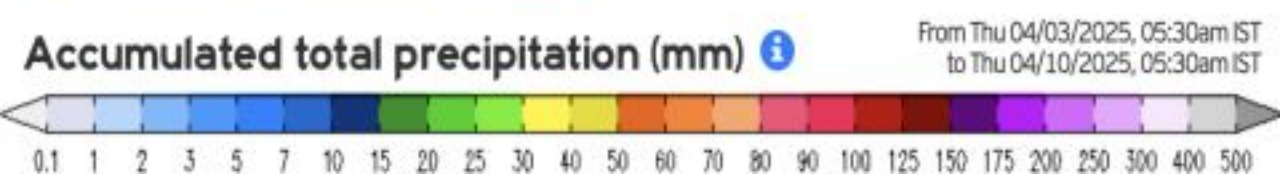
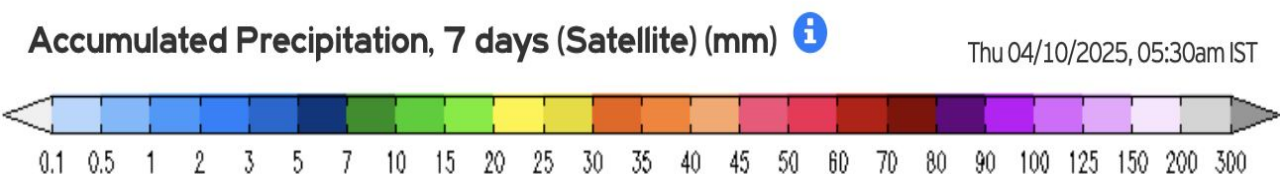
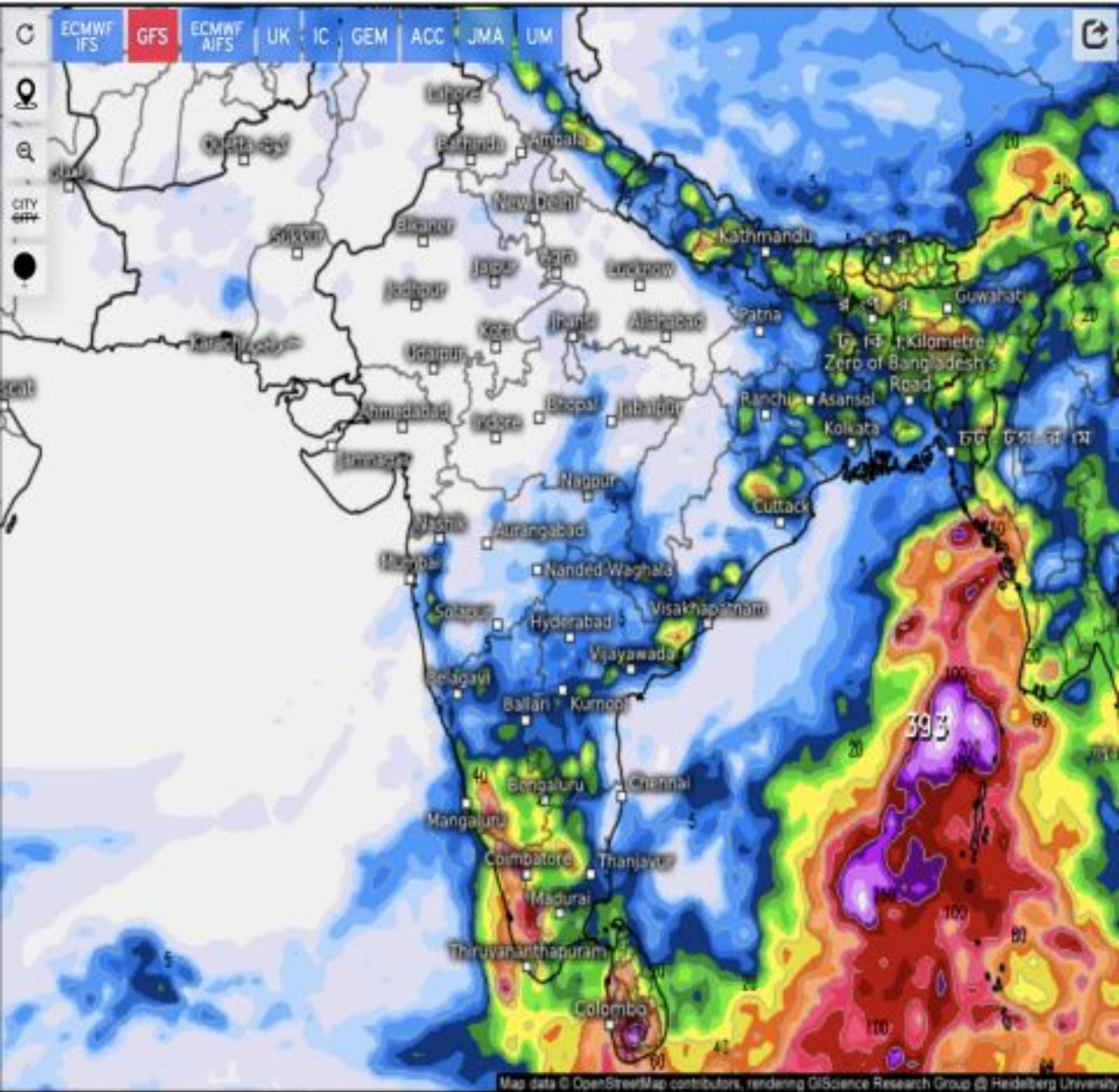
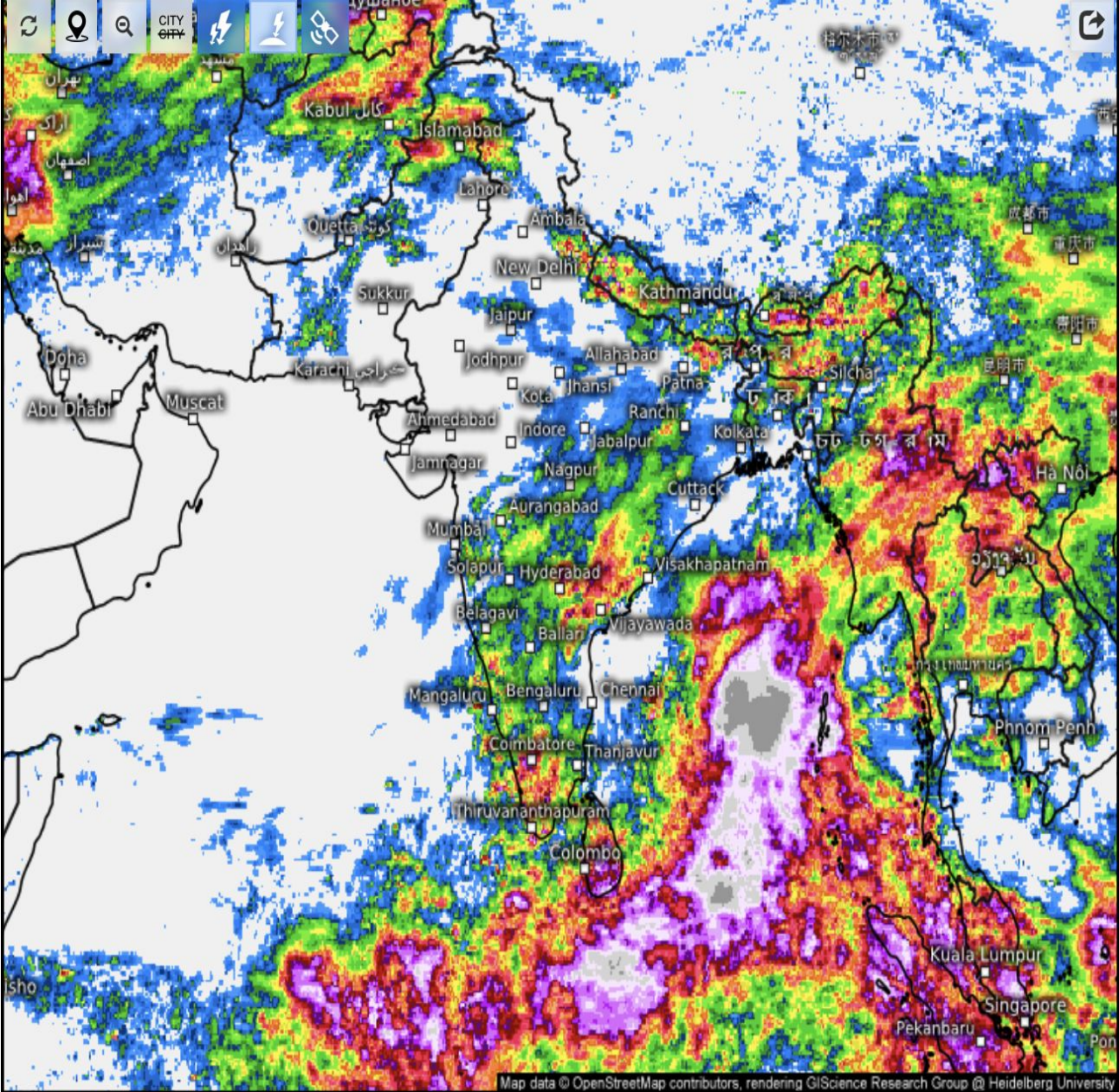
IMD:GFS MODEL(12 Km) 500 hPa WIND (kt) FORECAST (00 HR)

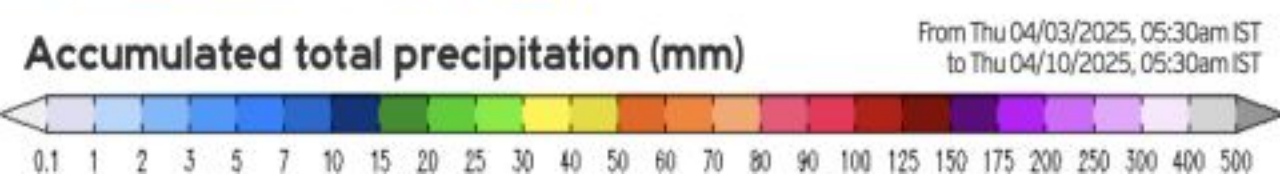
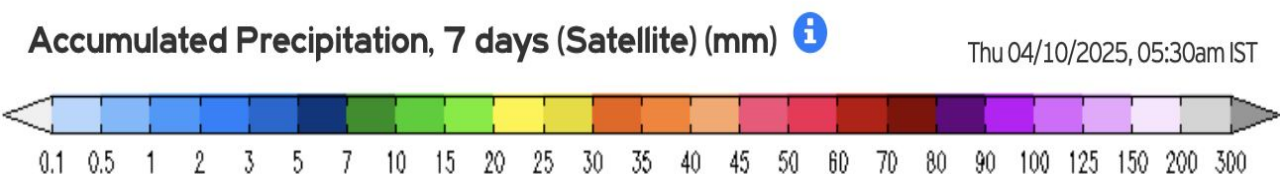
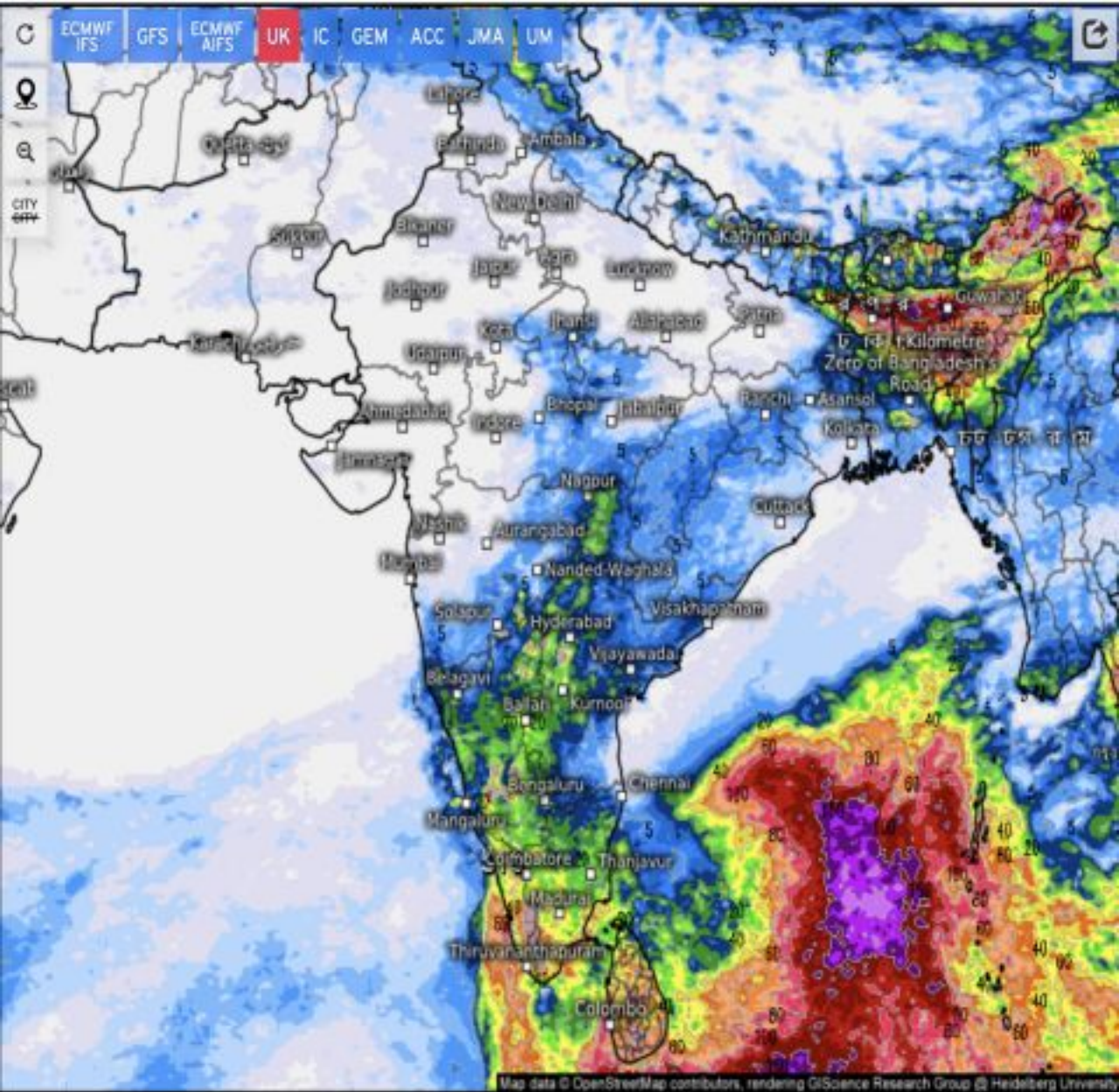
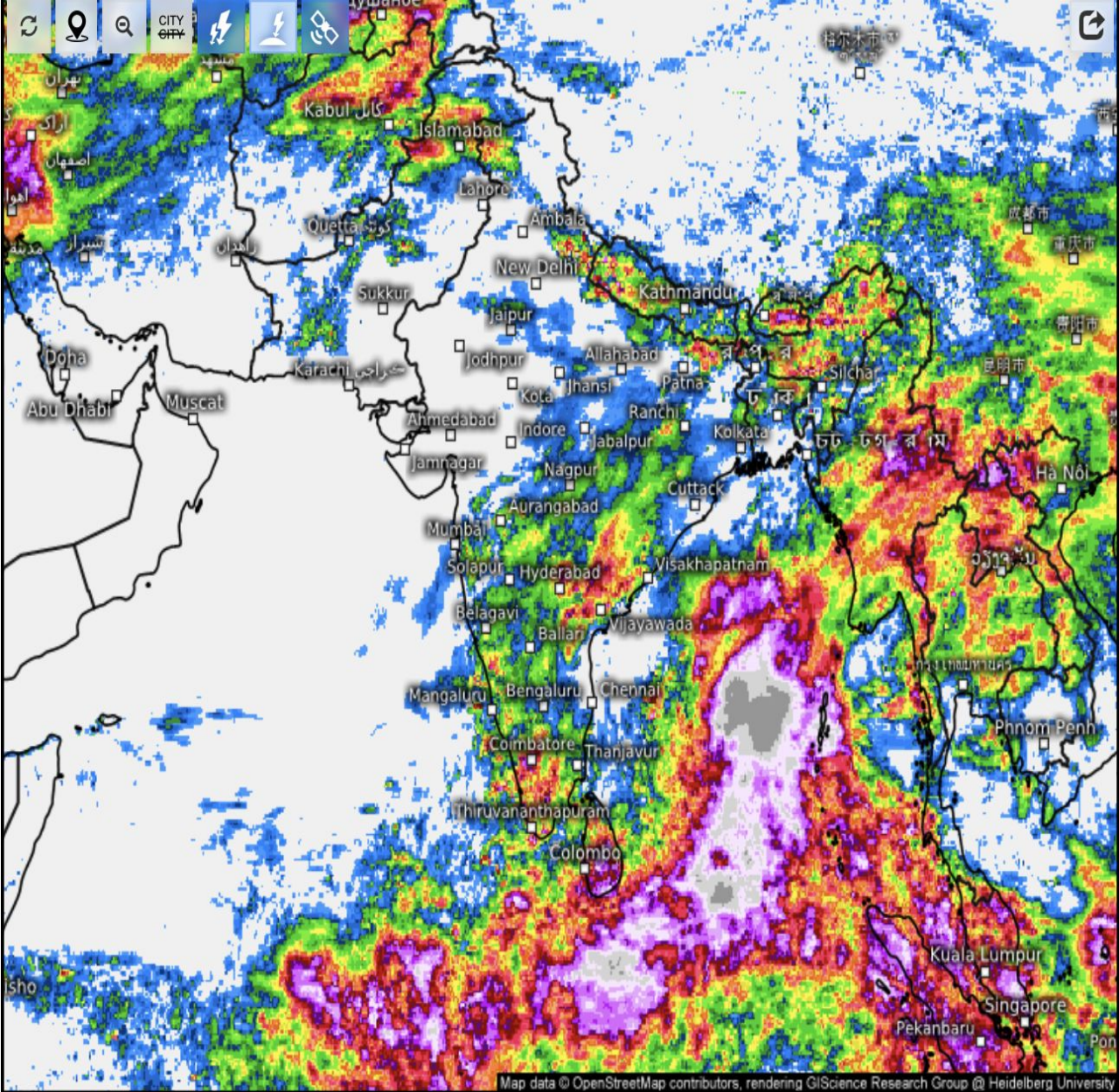
based on 00 UTC of 10-04-2025 valid for 00 UTC of 10-04-2025

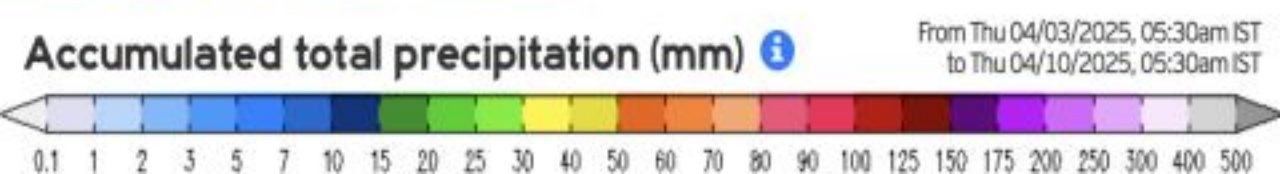
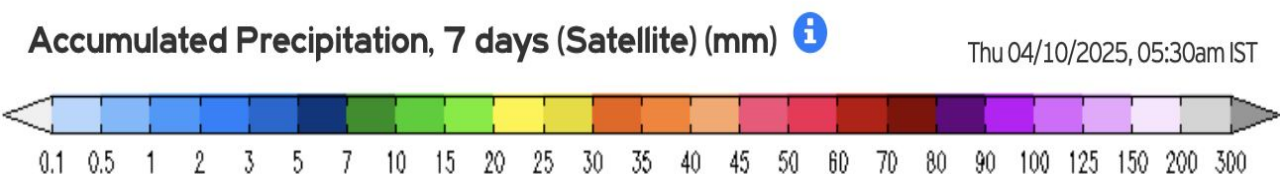
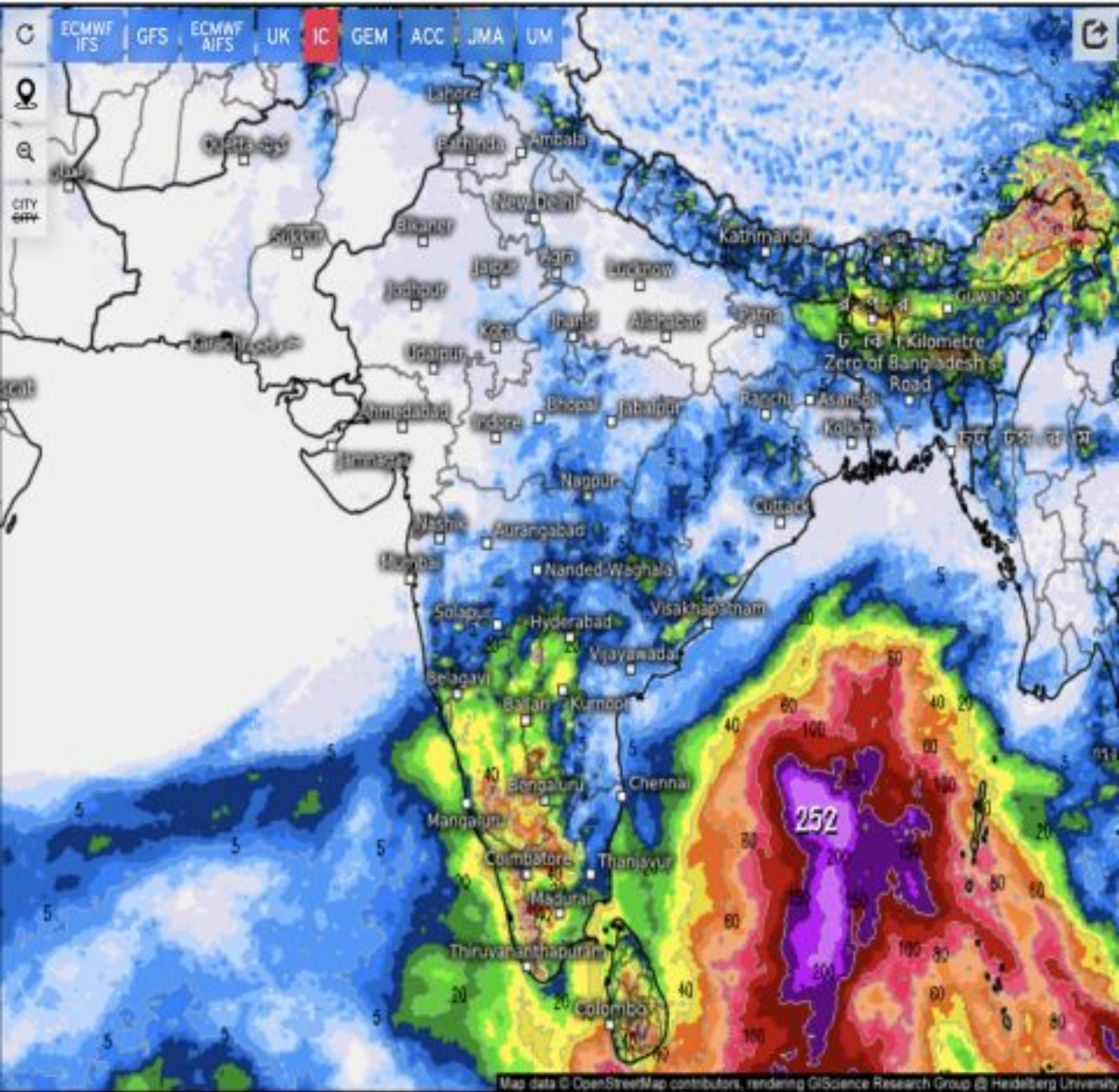
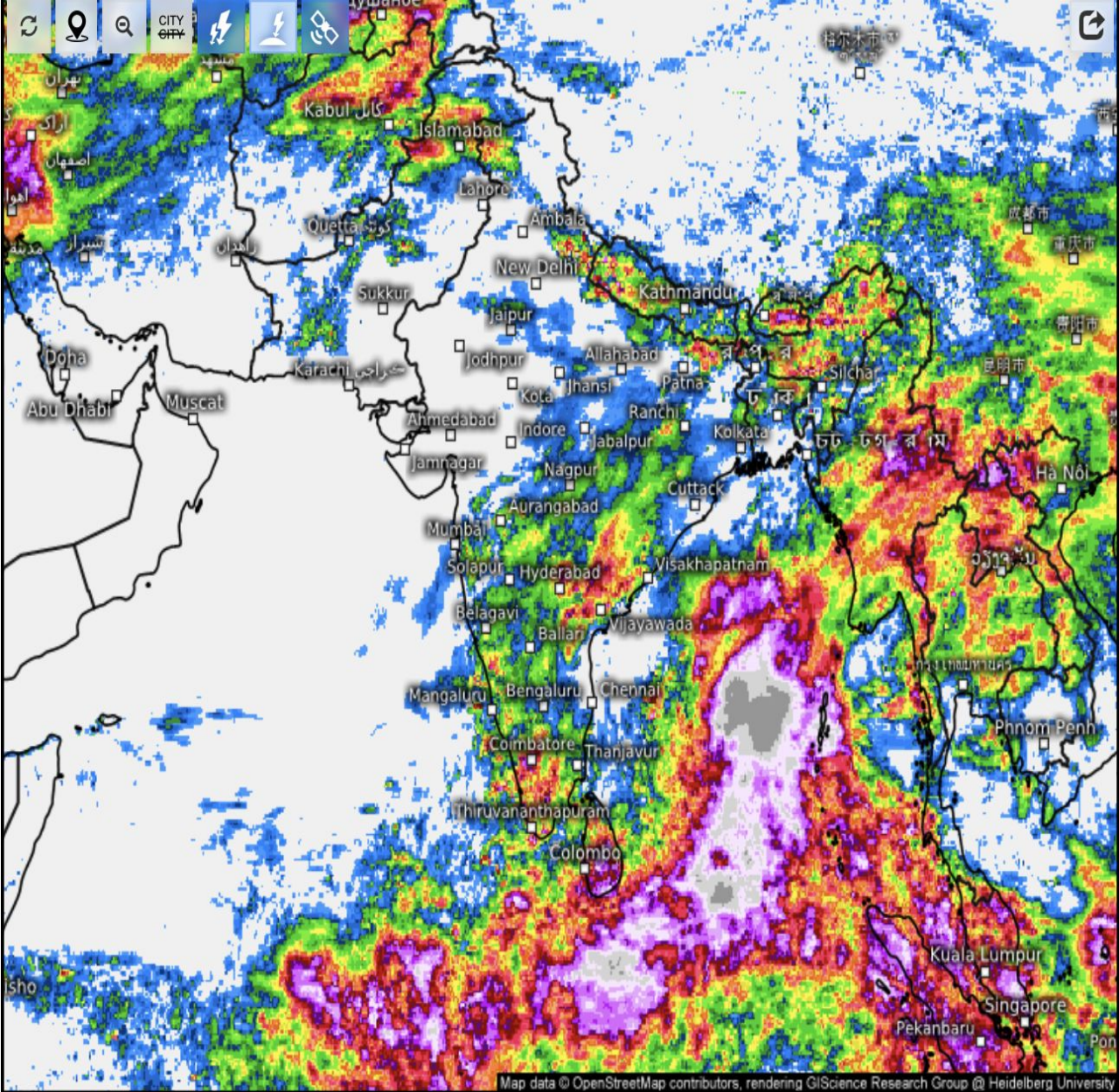


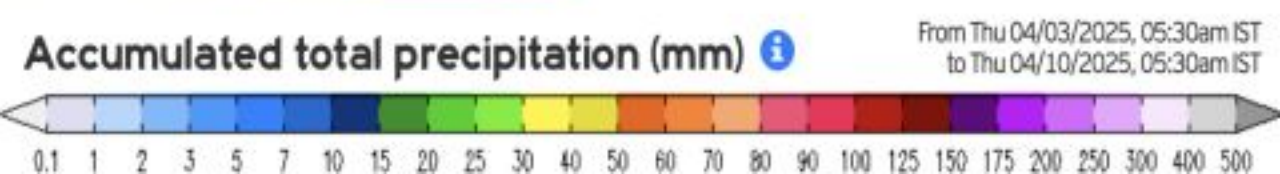
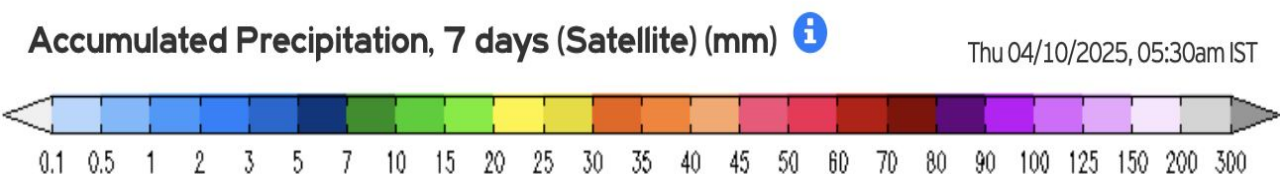
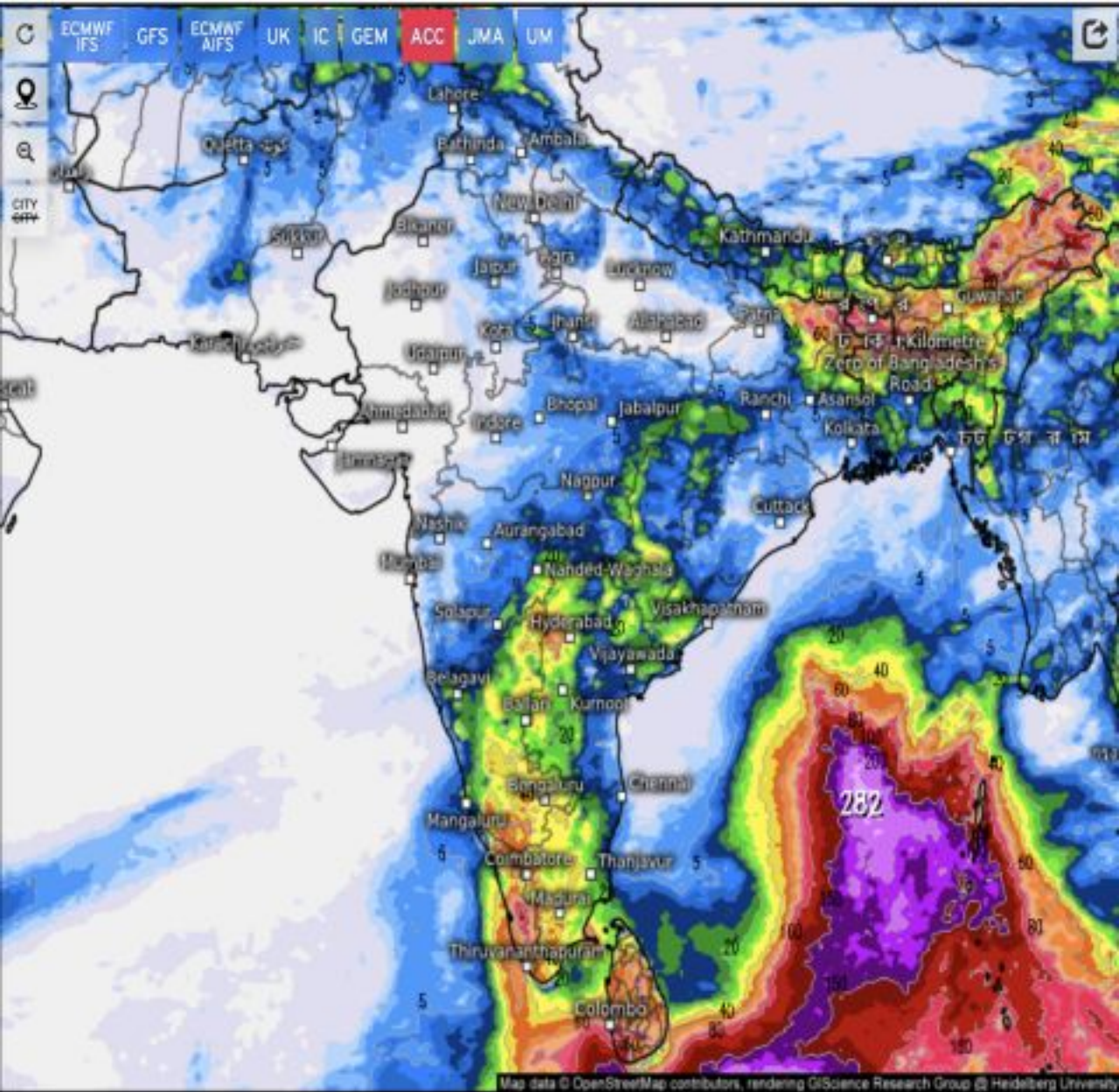
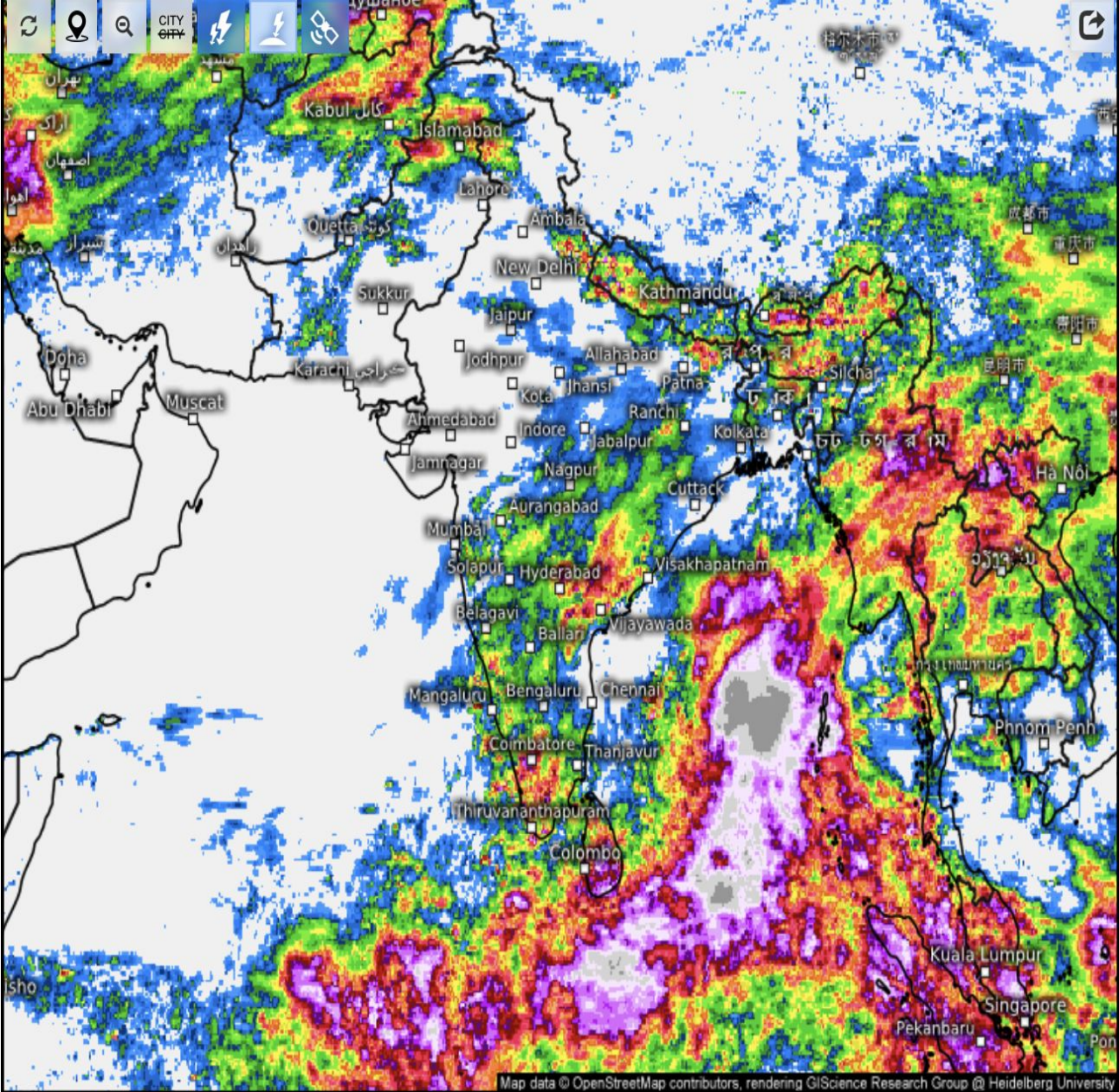
(Background does not depict political boundary)

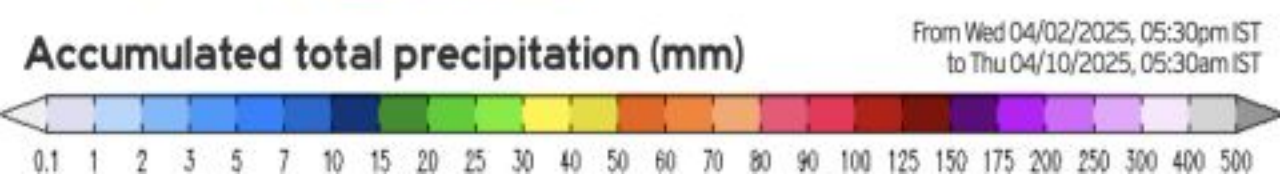
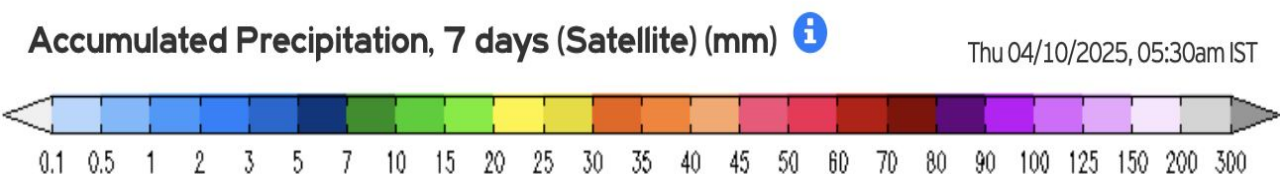
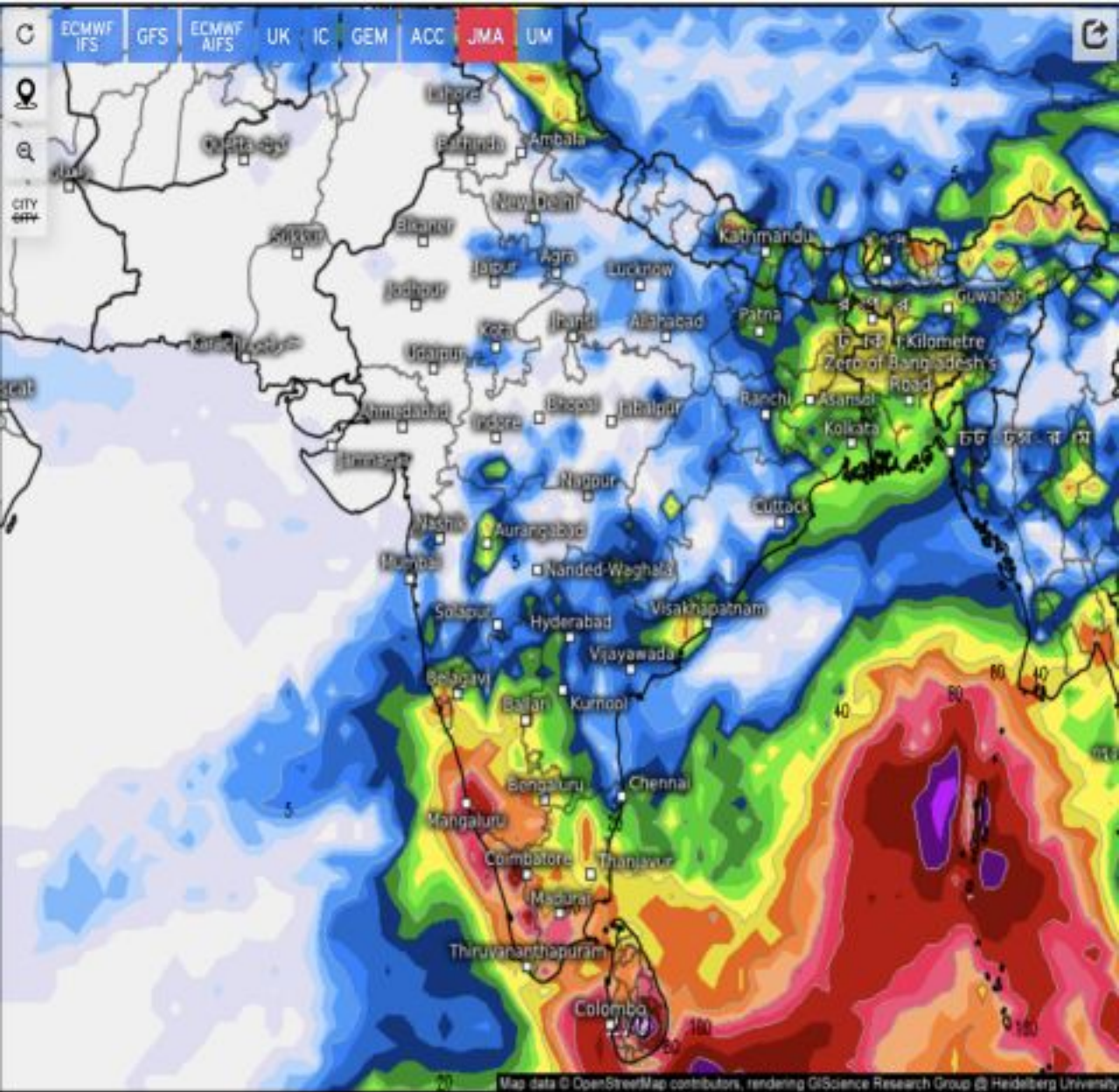
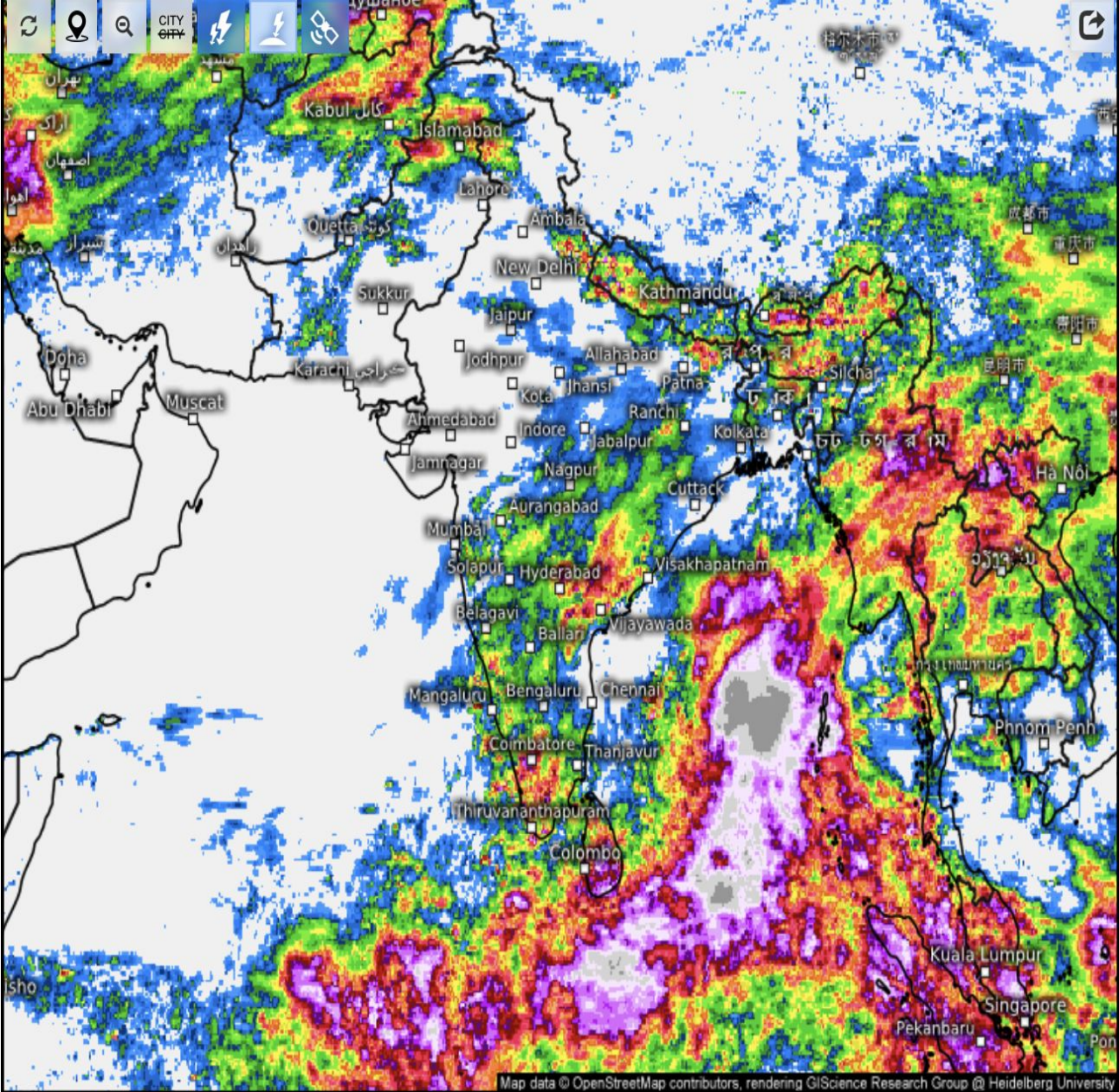


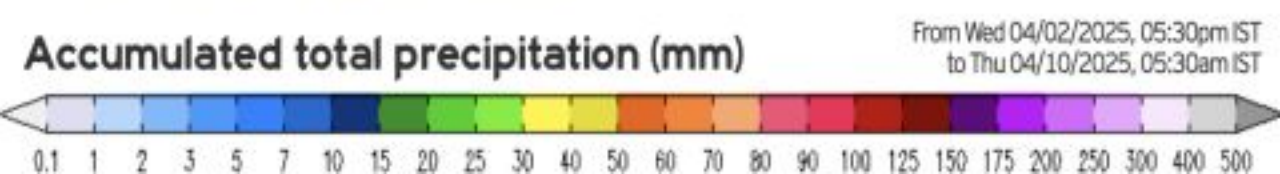
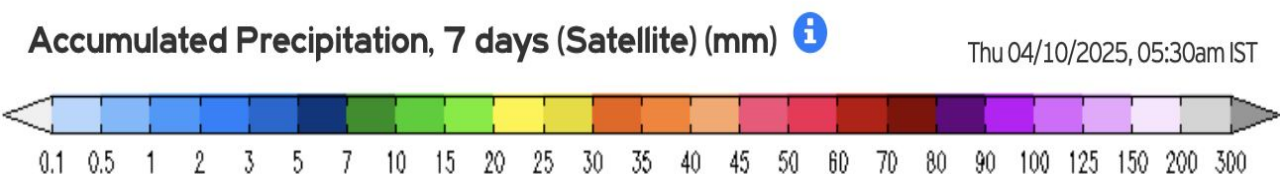
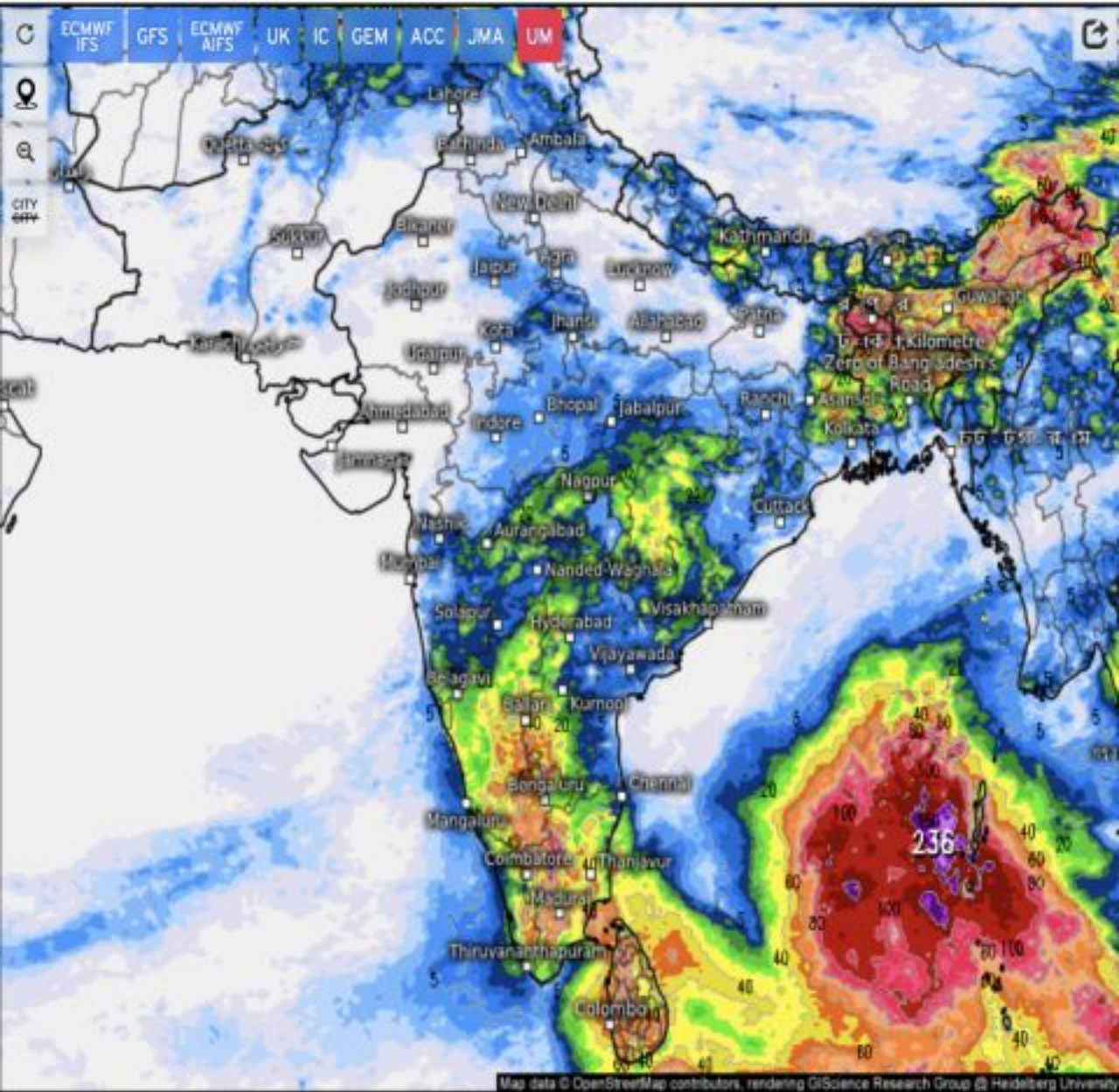
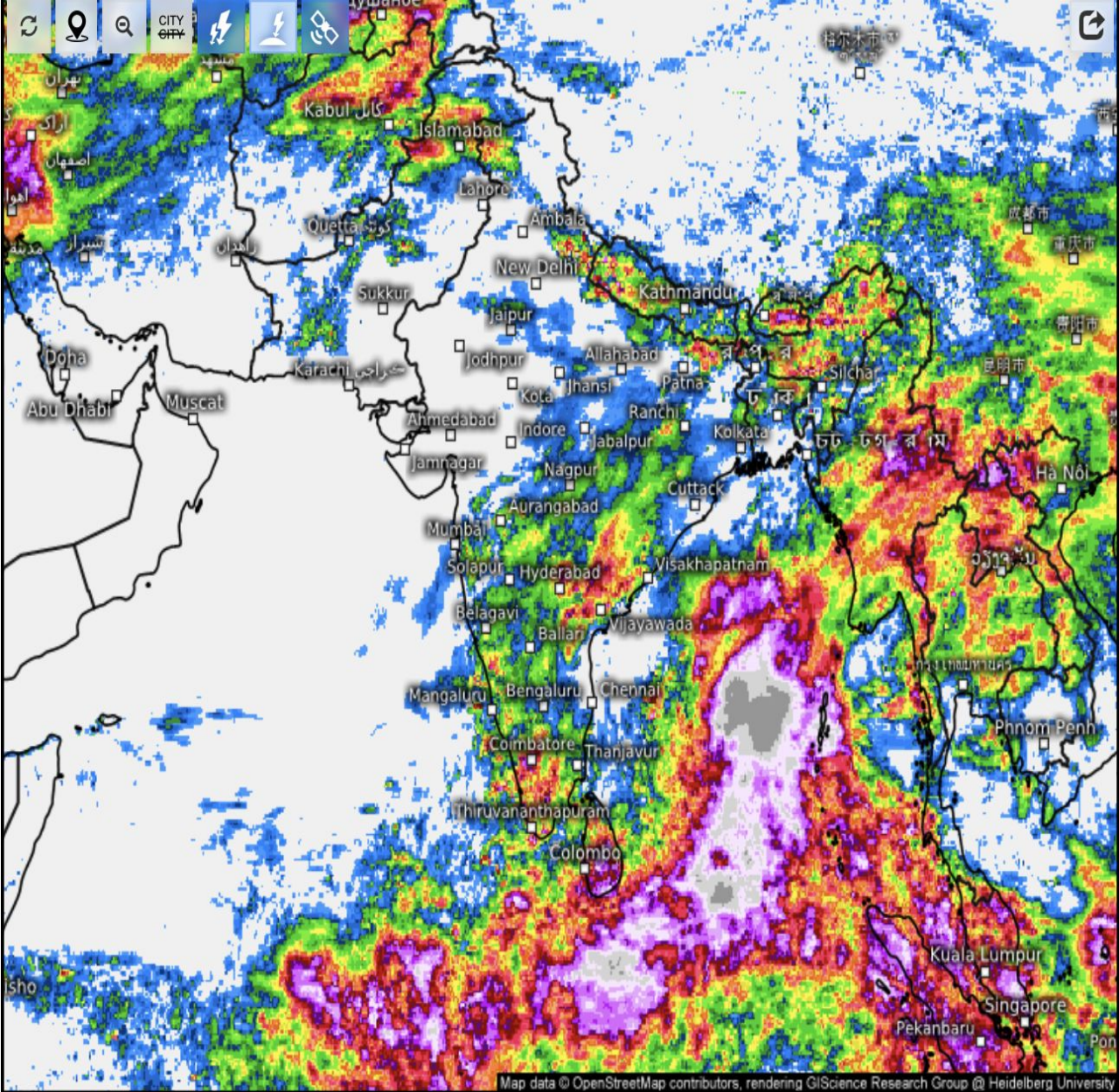


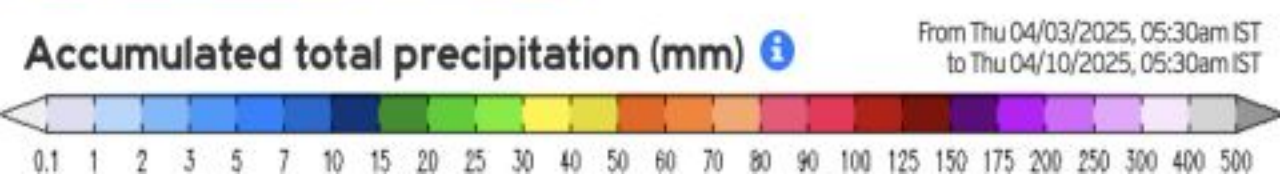
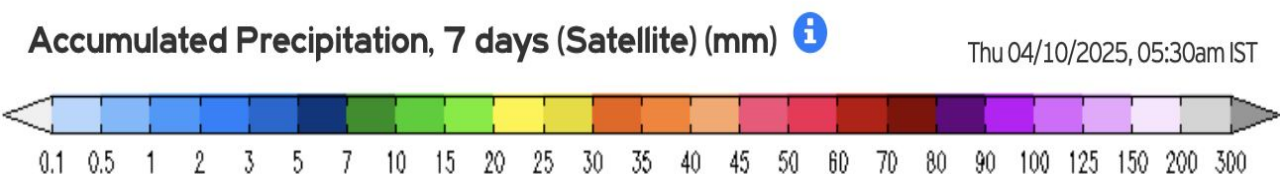
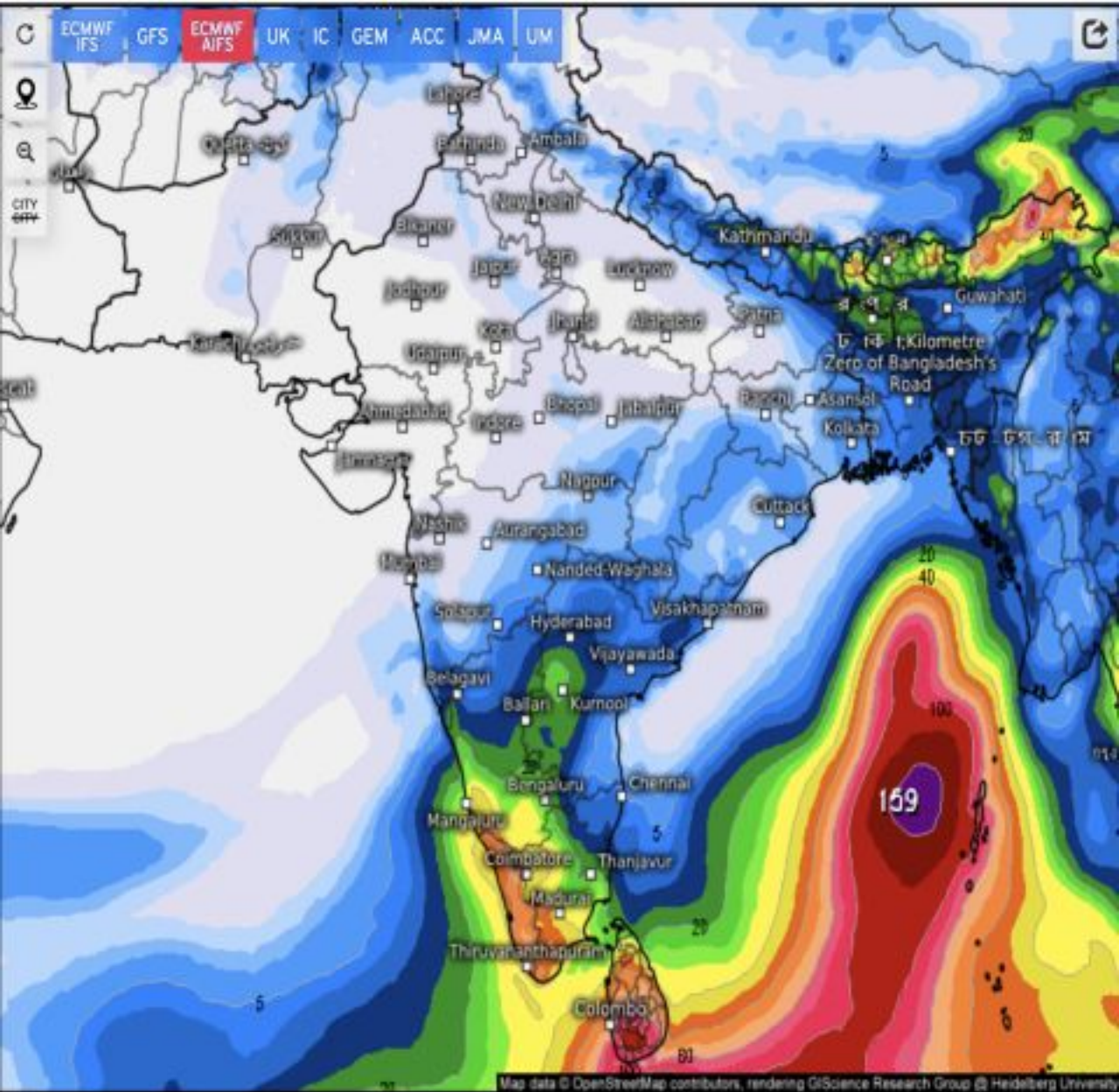
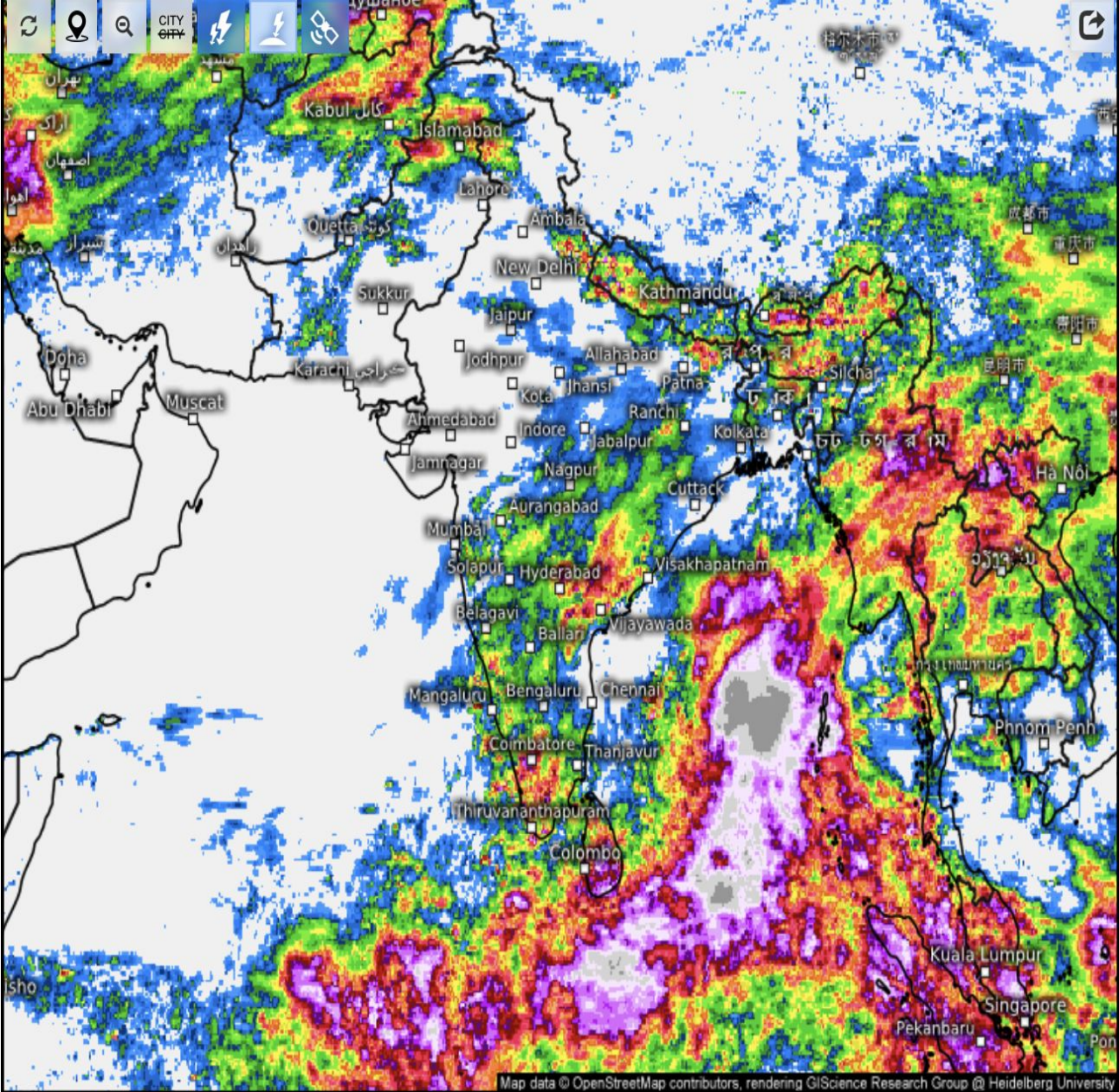


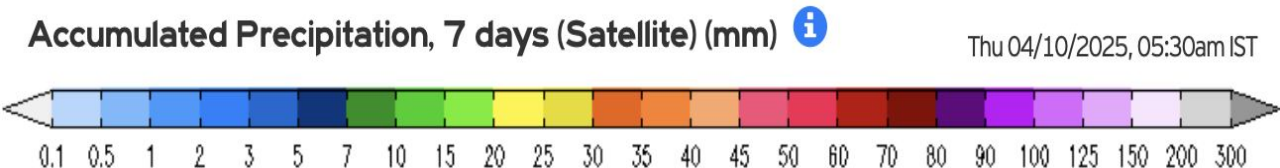
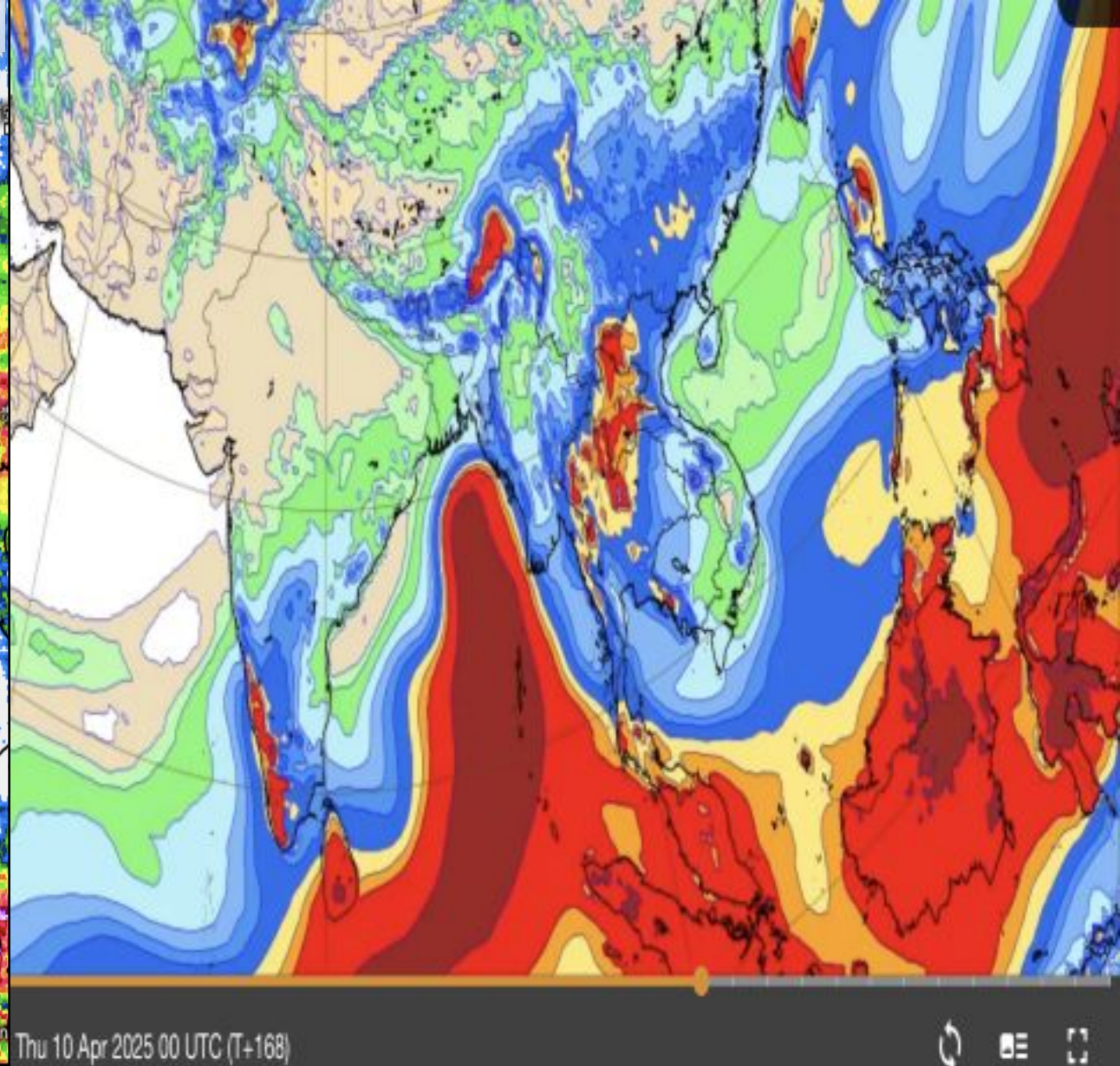
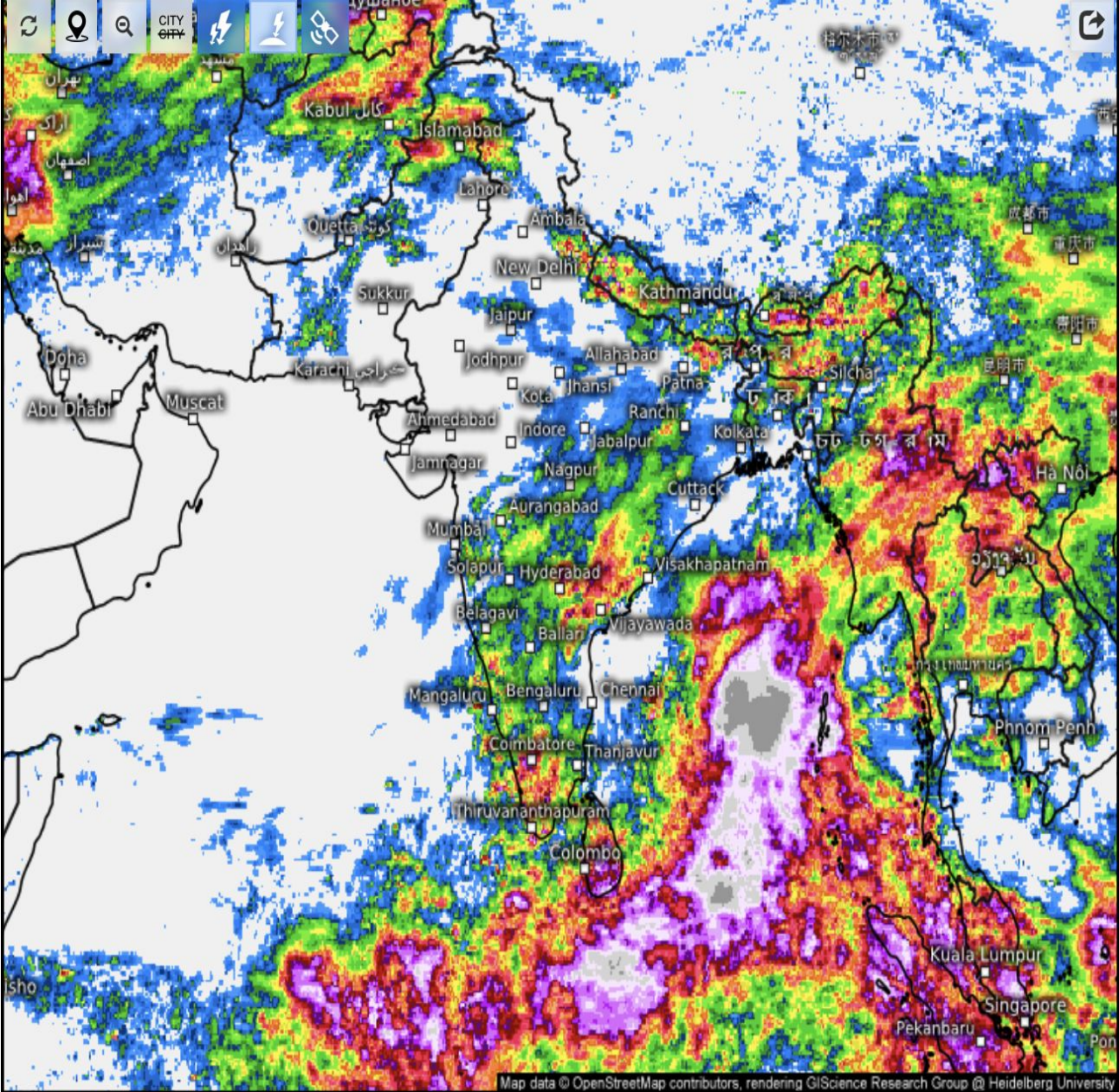




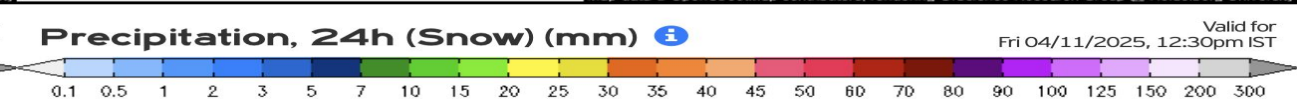
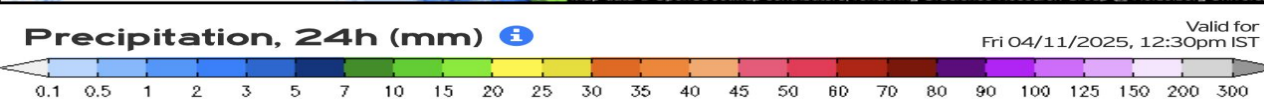
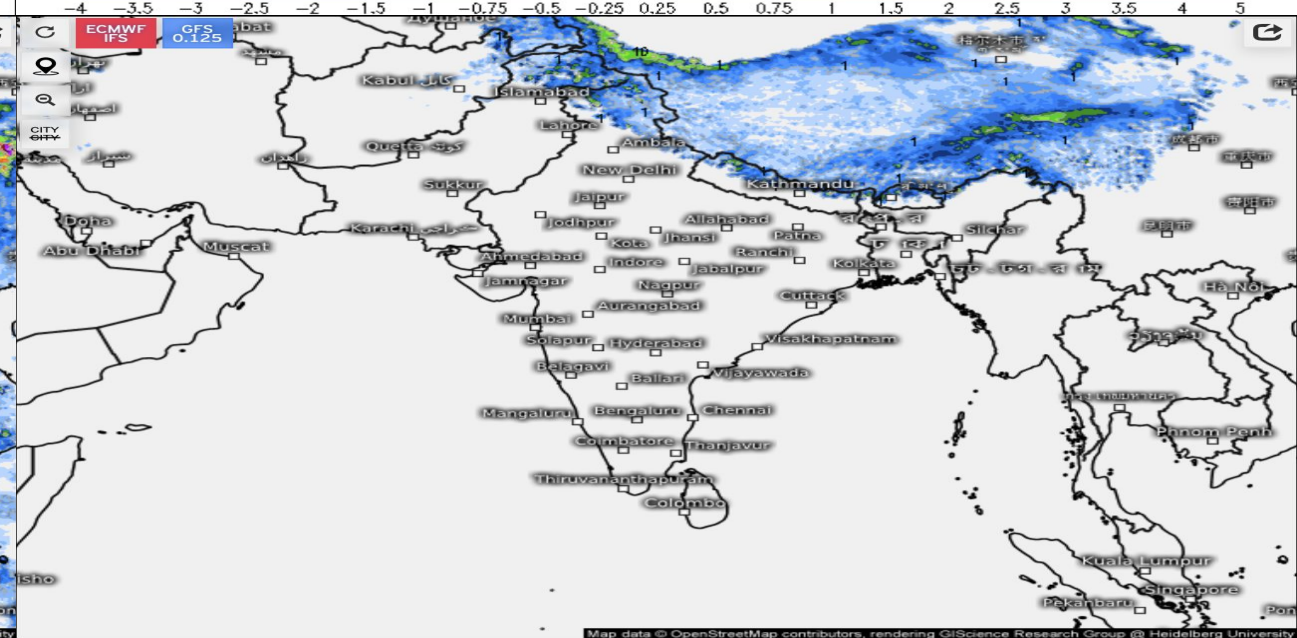
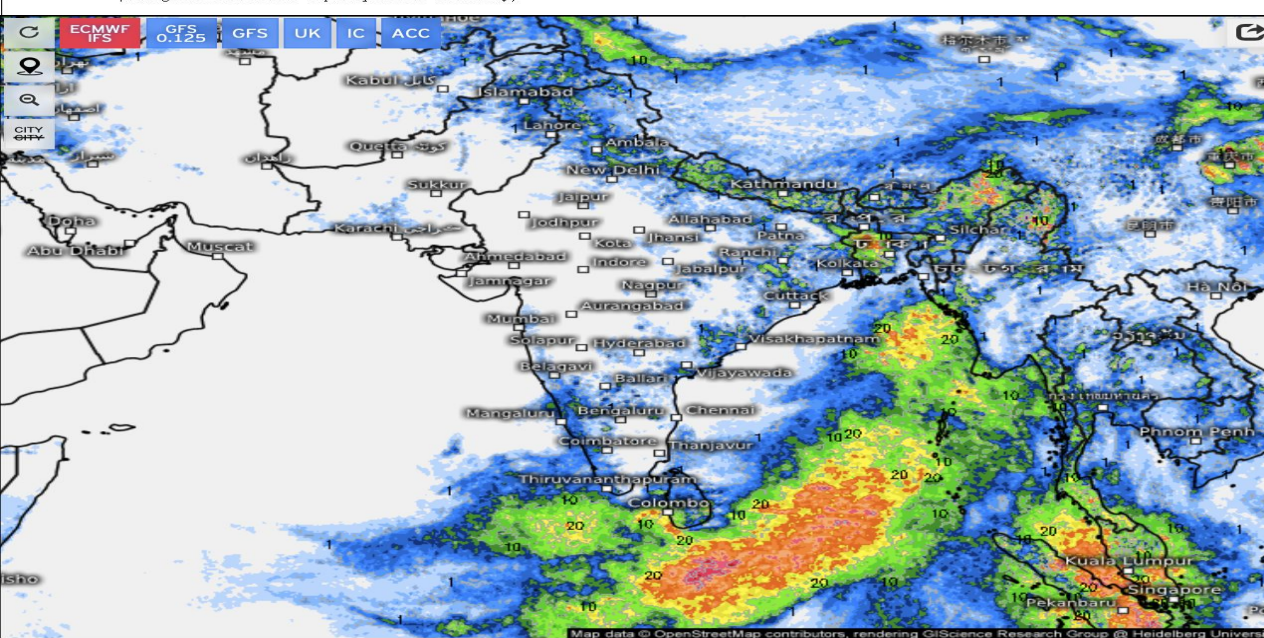
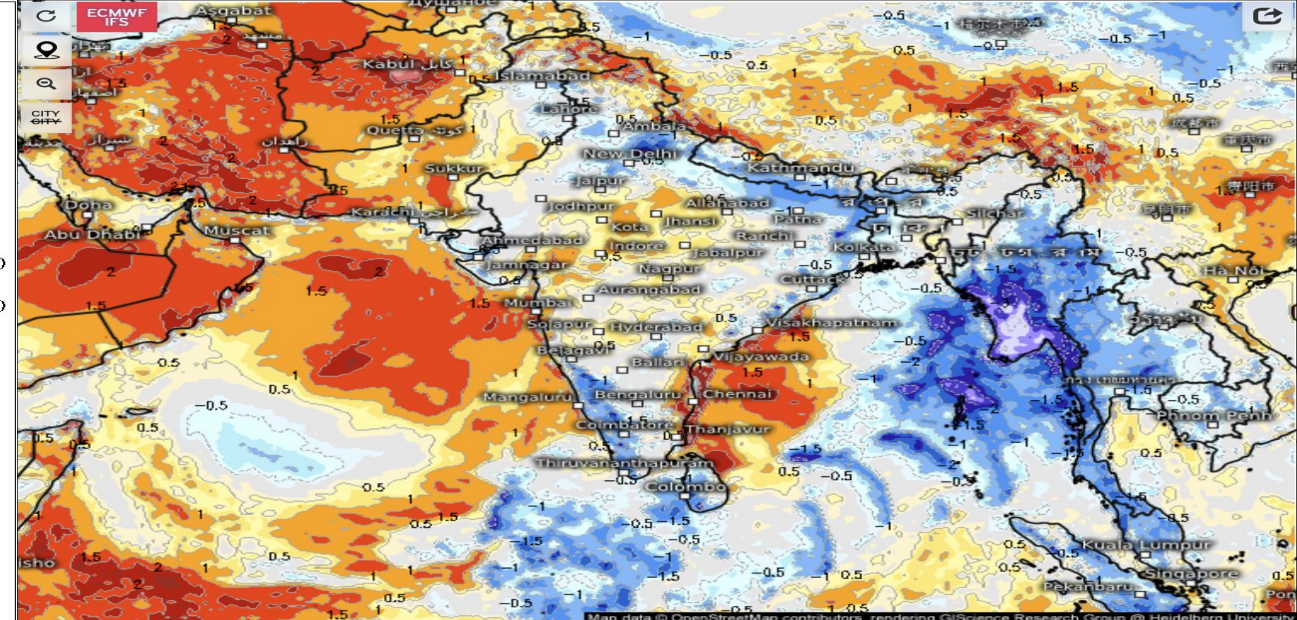
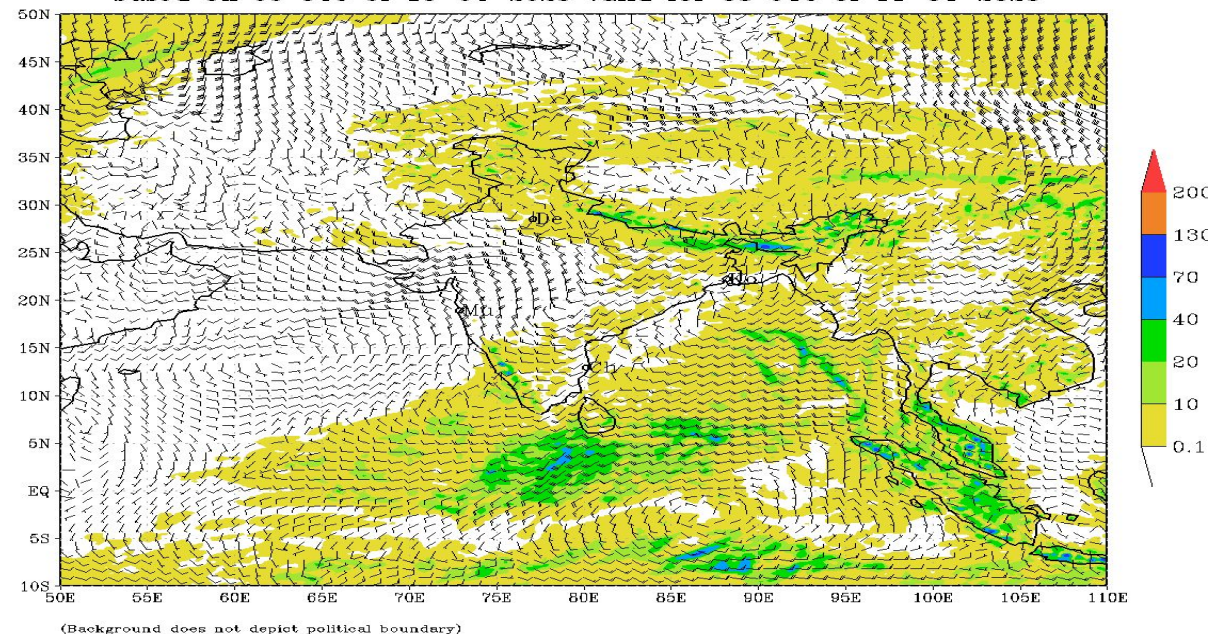


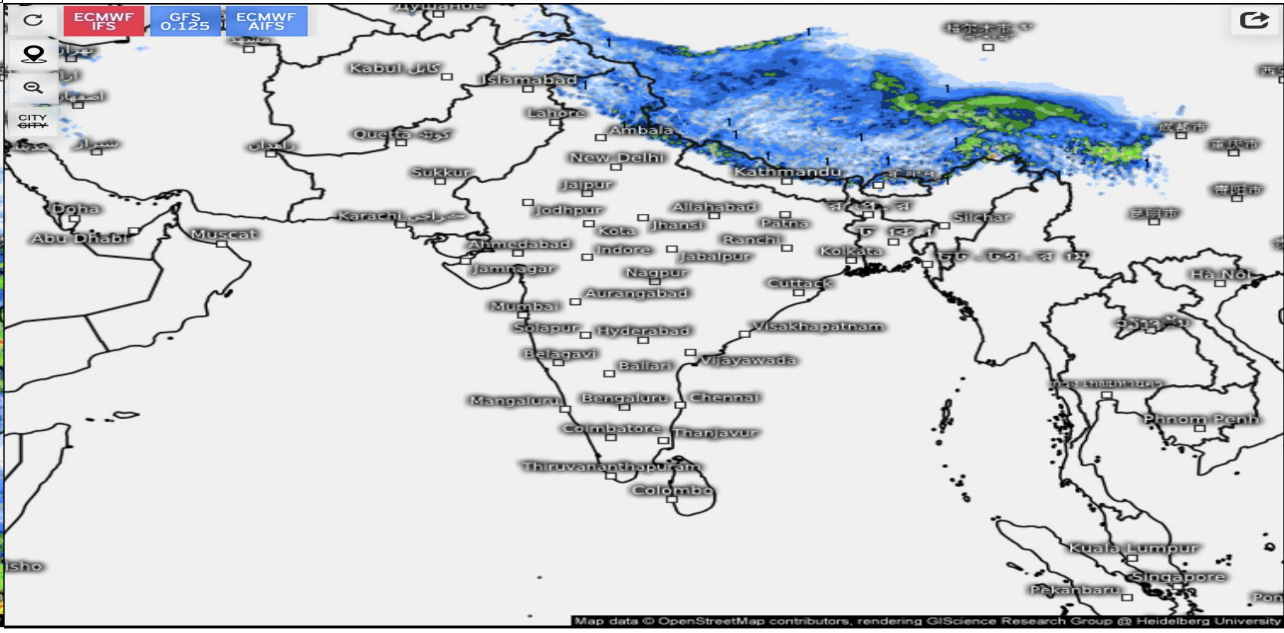
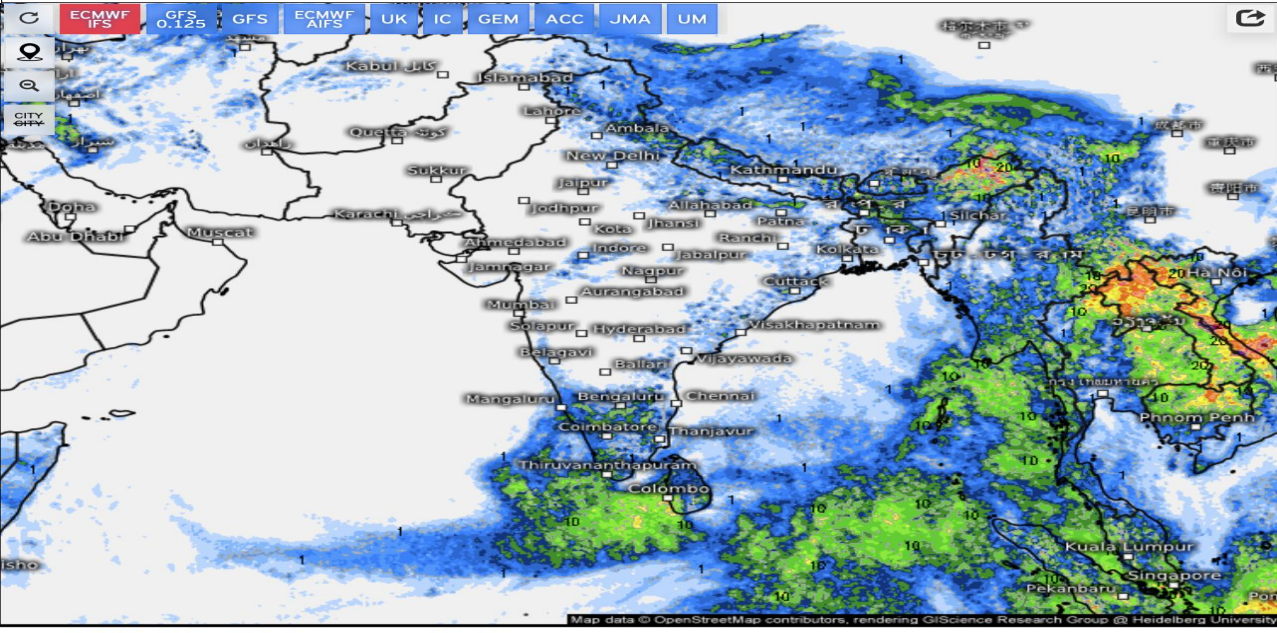
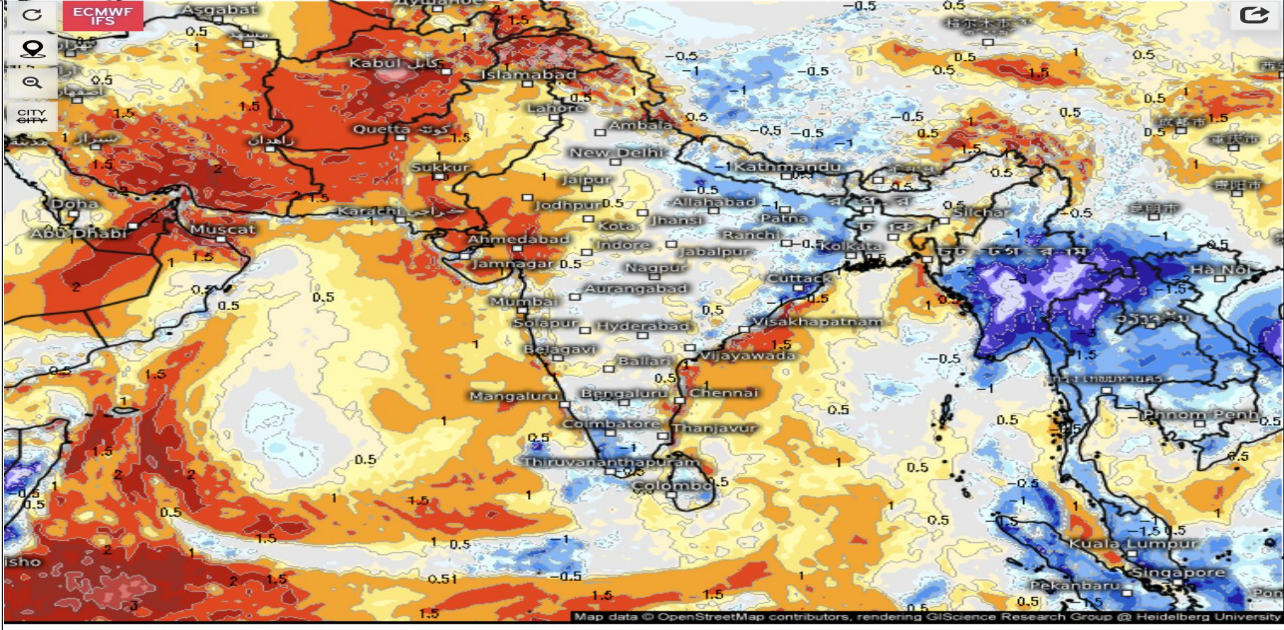
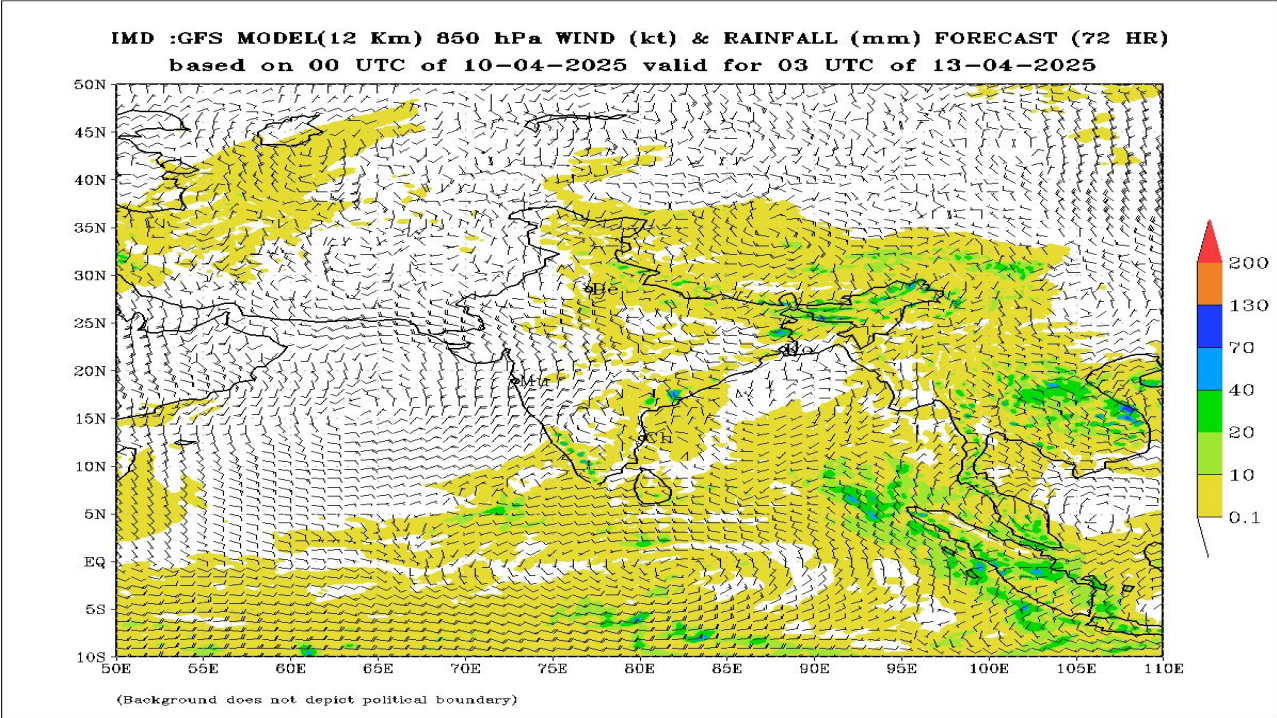




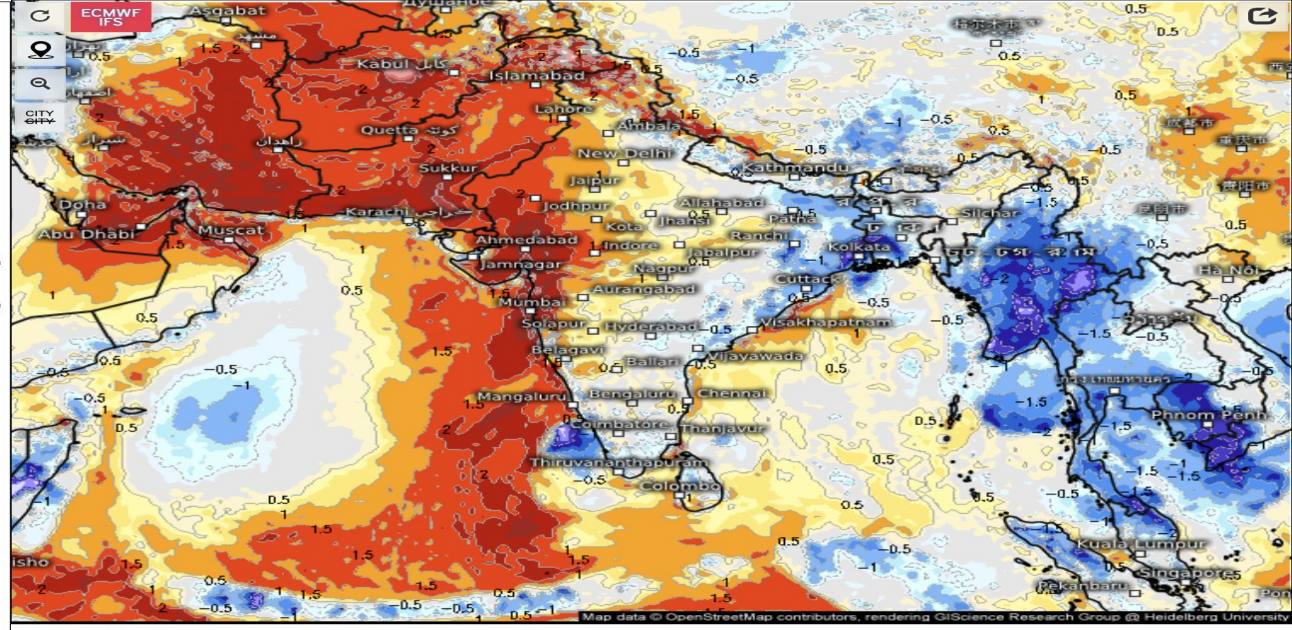
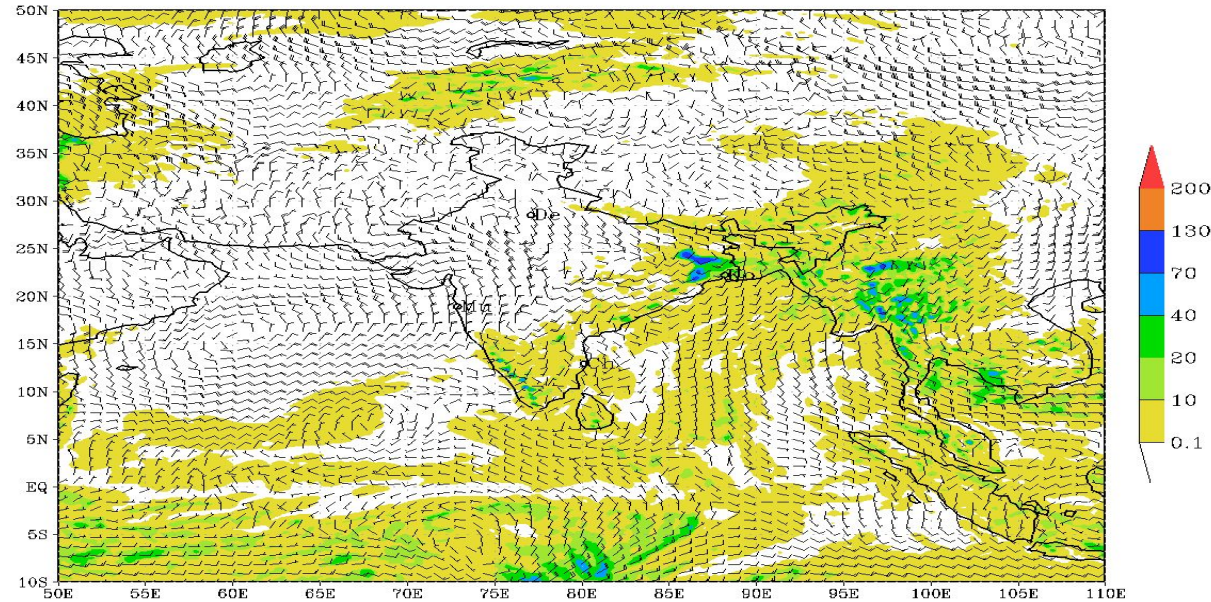


IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (24 HR)
based on 00 UTC of 10-04-2025 valid for 03 UTC of 11-04-2025



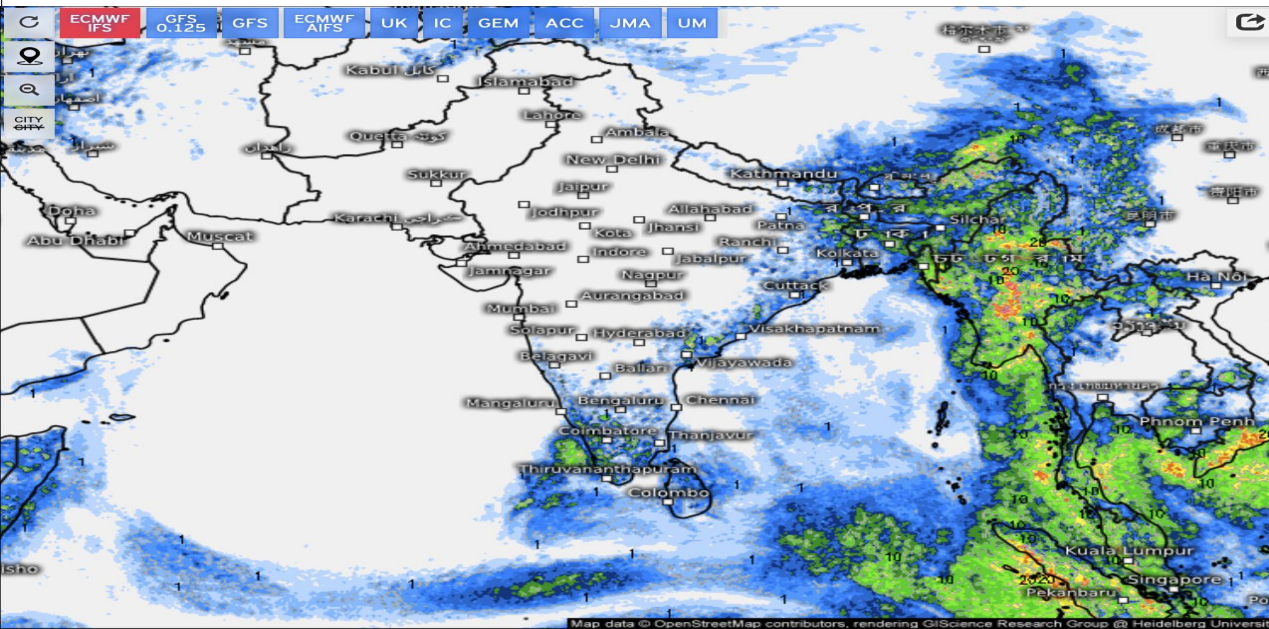


IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (120 HR)
based on 00 UTC of 10-04-2025 valid for 03 UTC of 15-04-2025



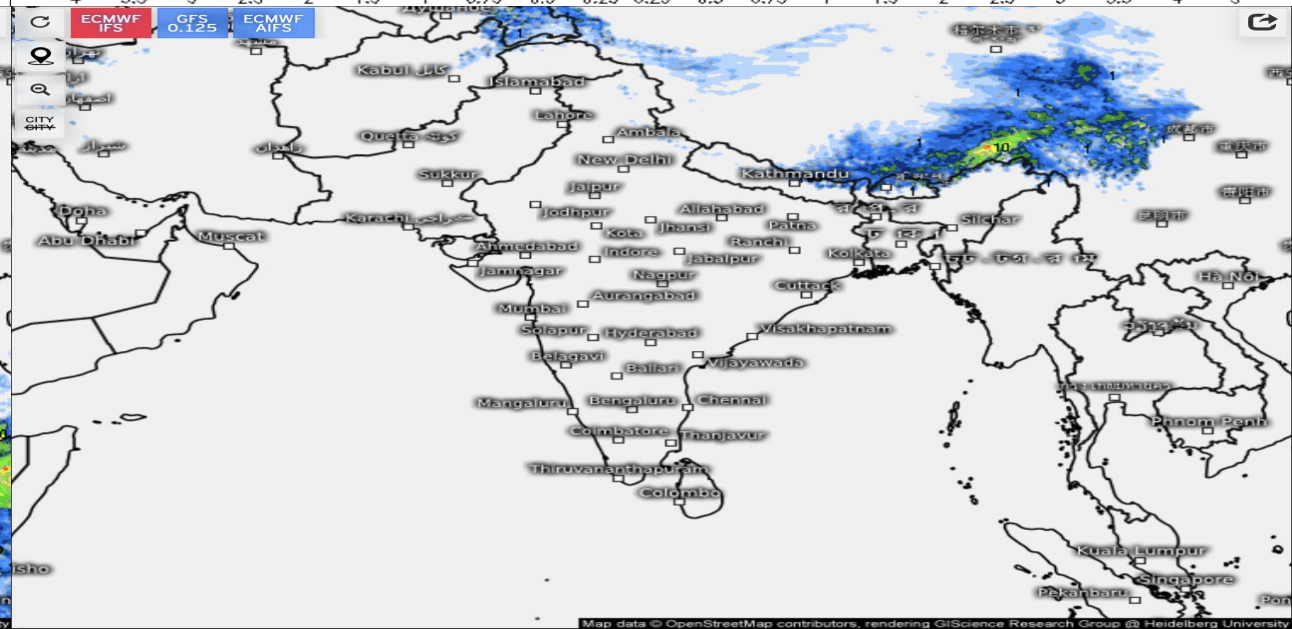
Temperature anomaly (std. deviation)

Valid for Tue 04/15/2025, 02:30pm IST



Precipitation, 24h (mm)

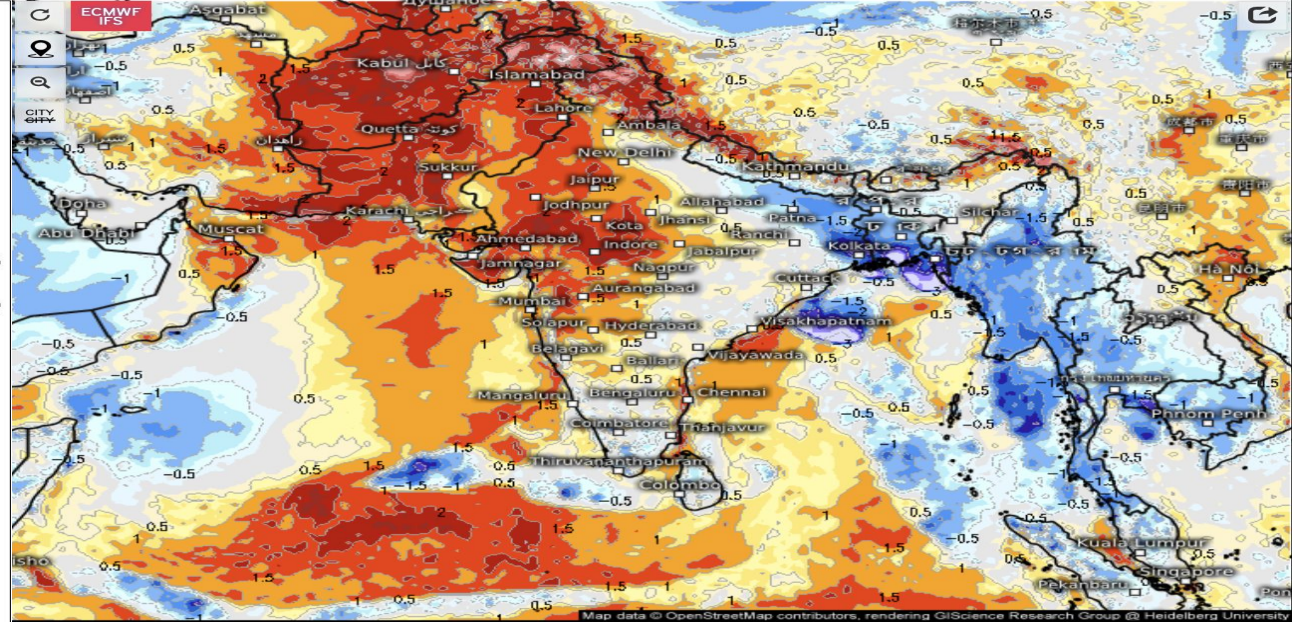
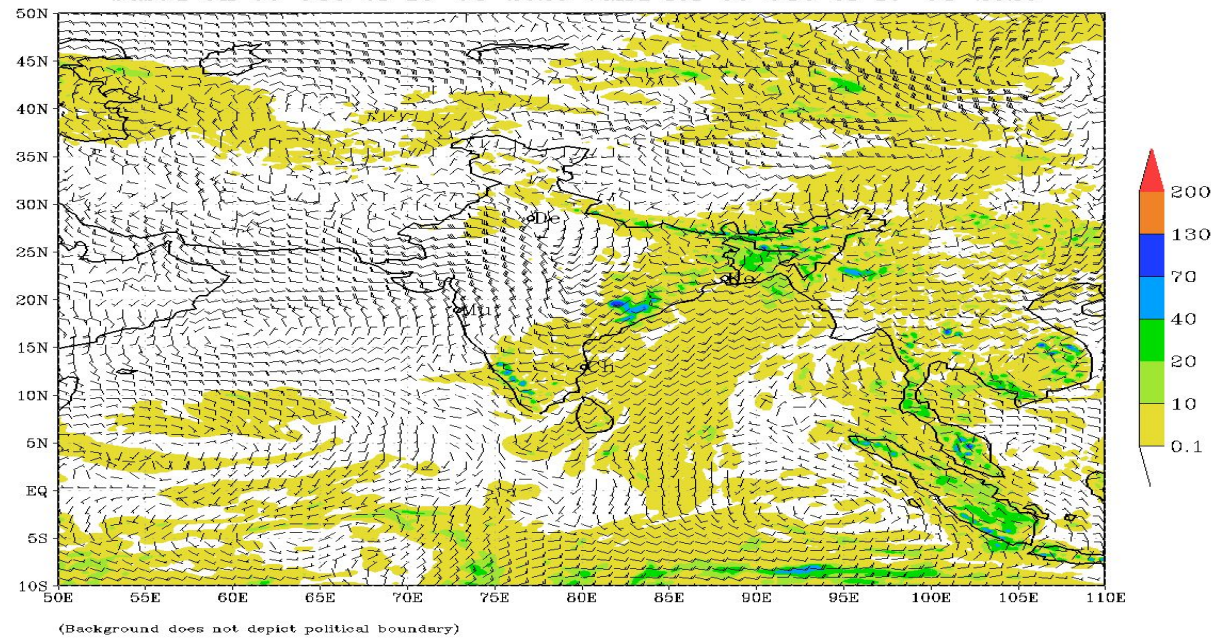
Valid for Tue 04/15/2025, 05:30am IST



Precipitation, 24h (Snow) (mm)

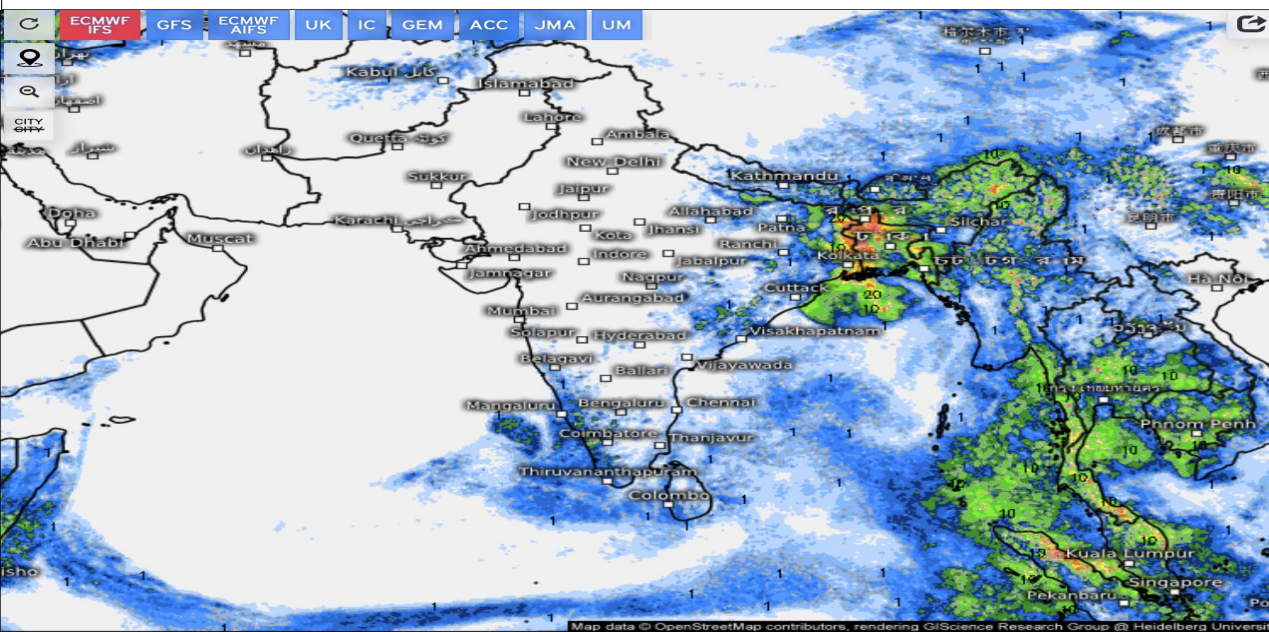
Valid for Tue 04/15/2025, 05:30am IST

IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (168 HR)
based on 00 UTC of 10-04-2025 valid for 03 UTC of 17-04-2025



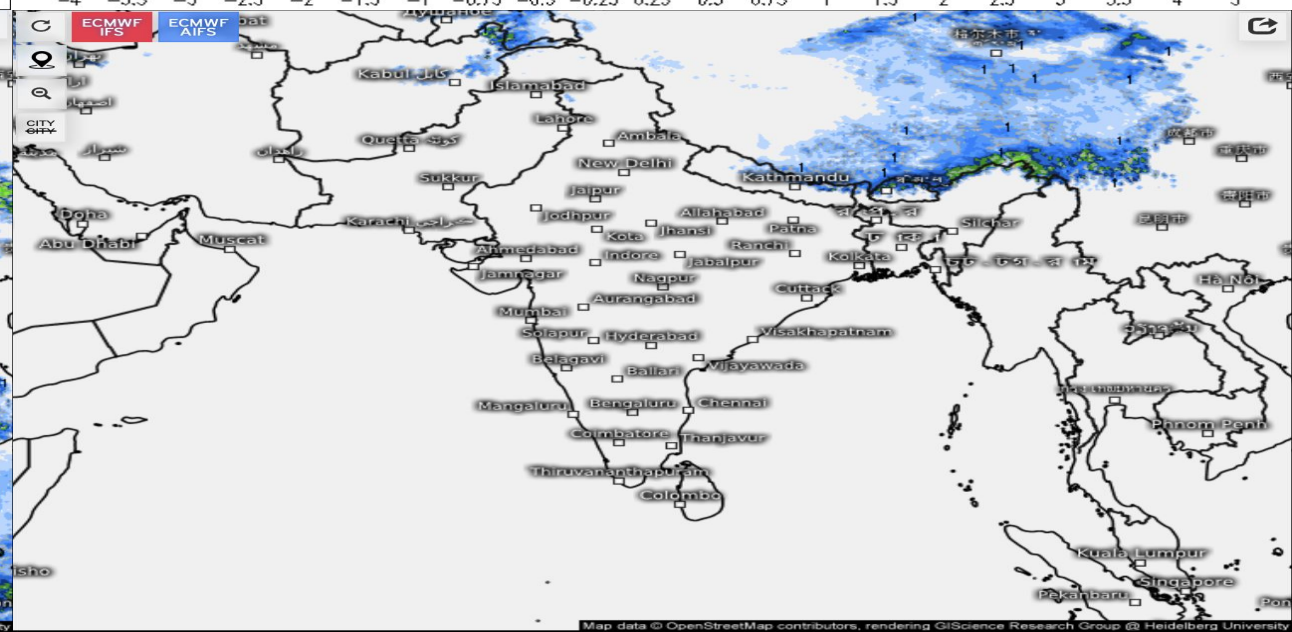
Temperature anomaly (std. deviation) ⓘ

Valid for
Thu 04/17/2025, 11:30am IST



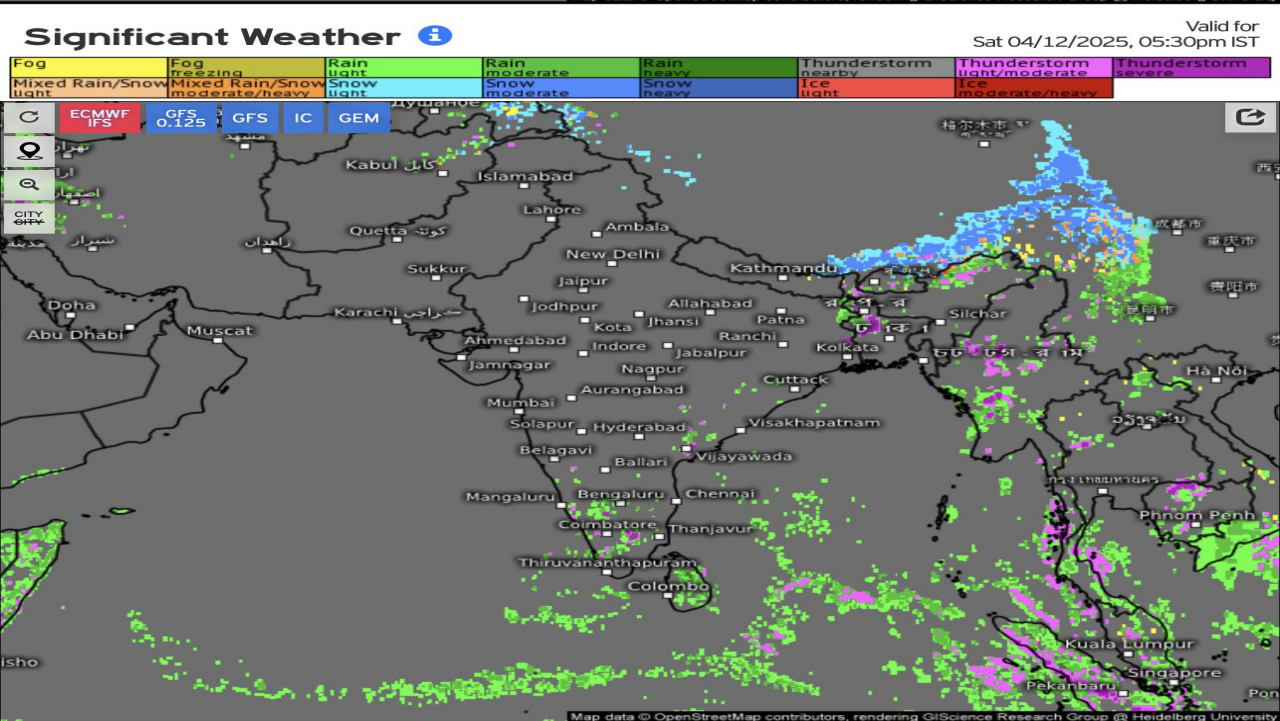
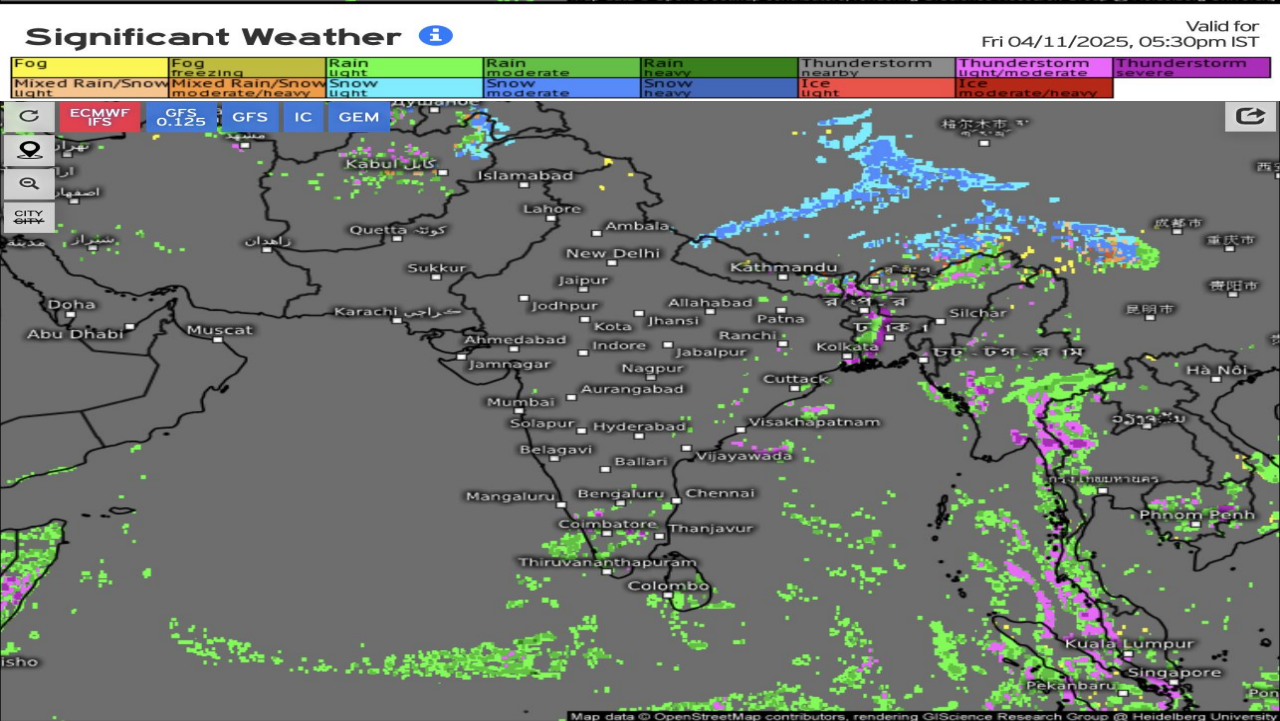
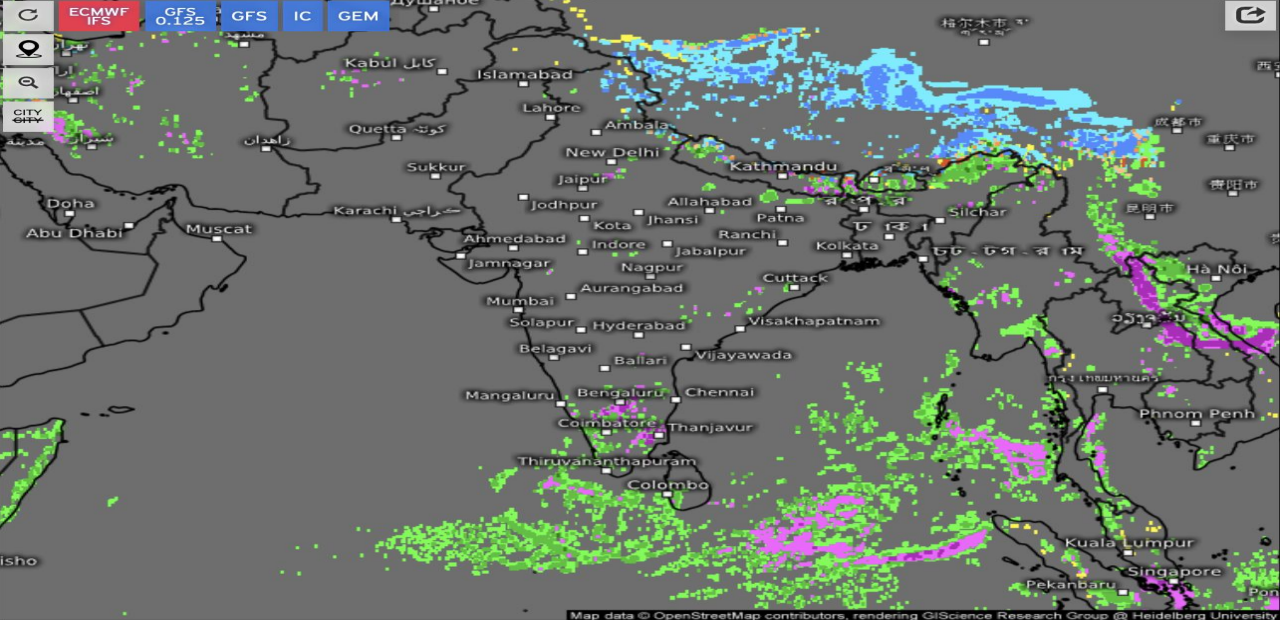
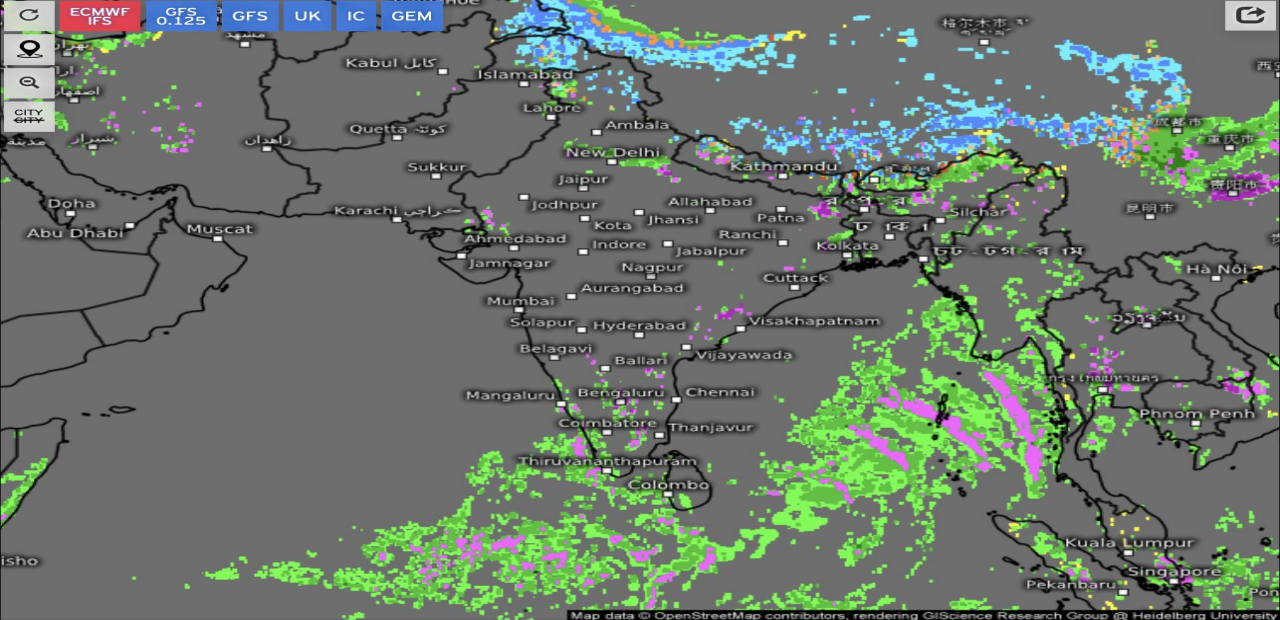
Precipitation, 24h (mm) ⓘ

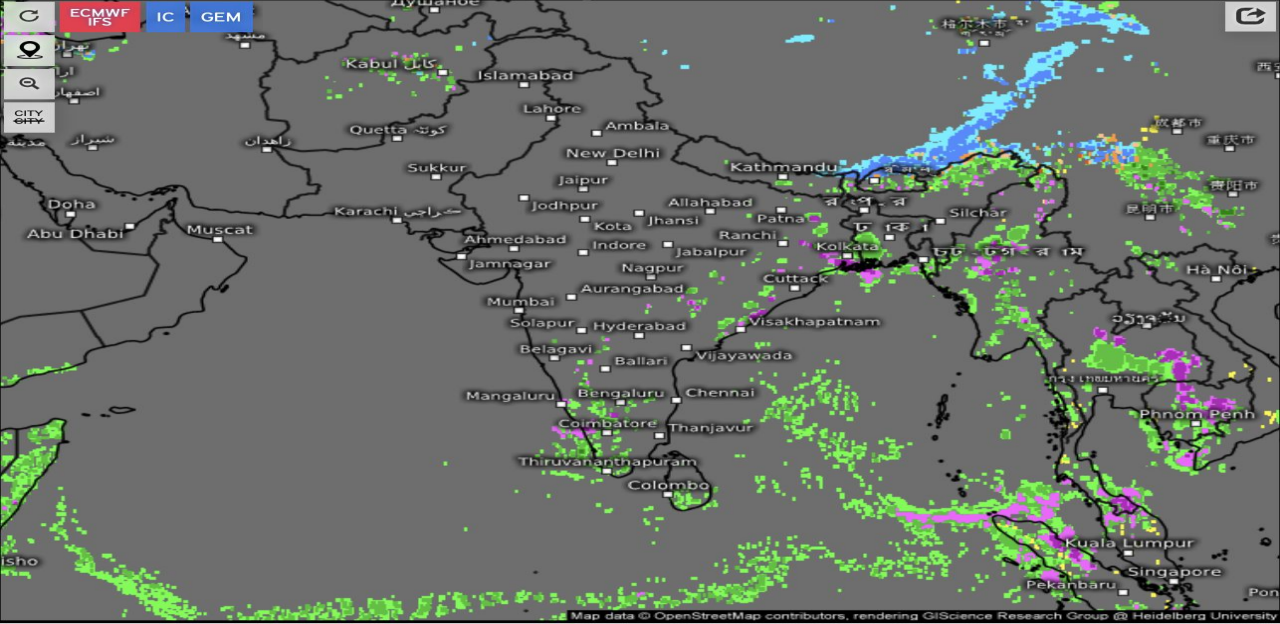
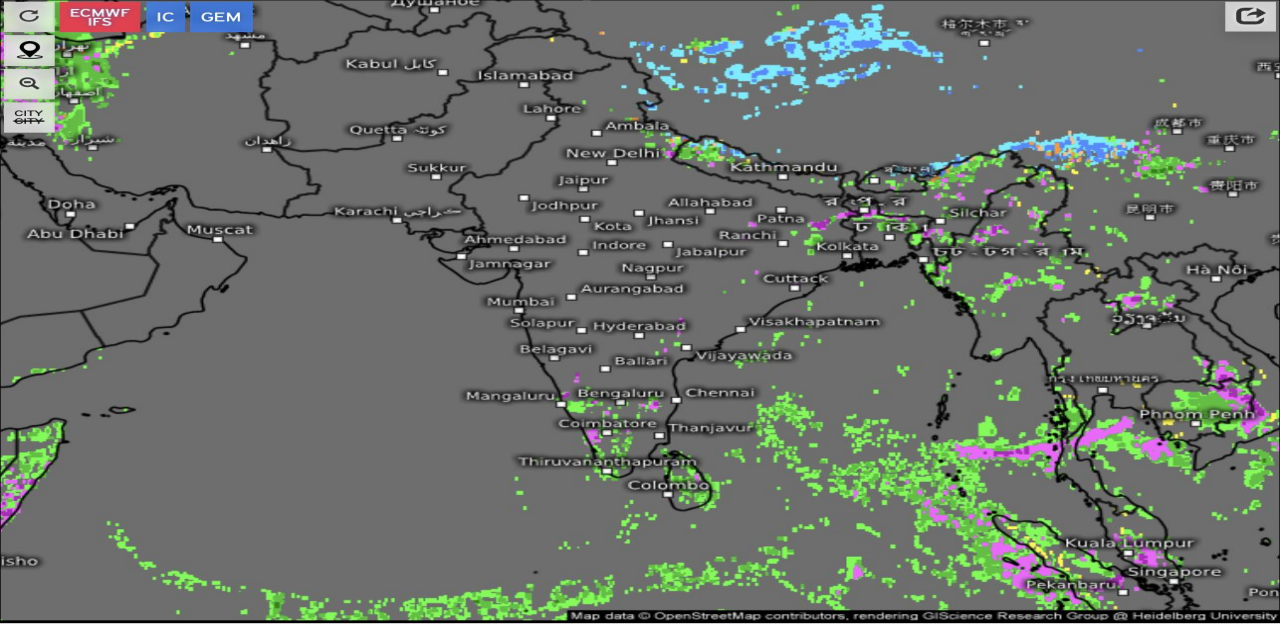
Valid for
Thu 04/17/2025, 05:30am IST



Precipitation, 24h (Snow) (mm) ⓘ

Valid for
Thu 04/17/2025, 05:30am IST



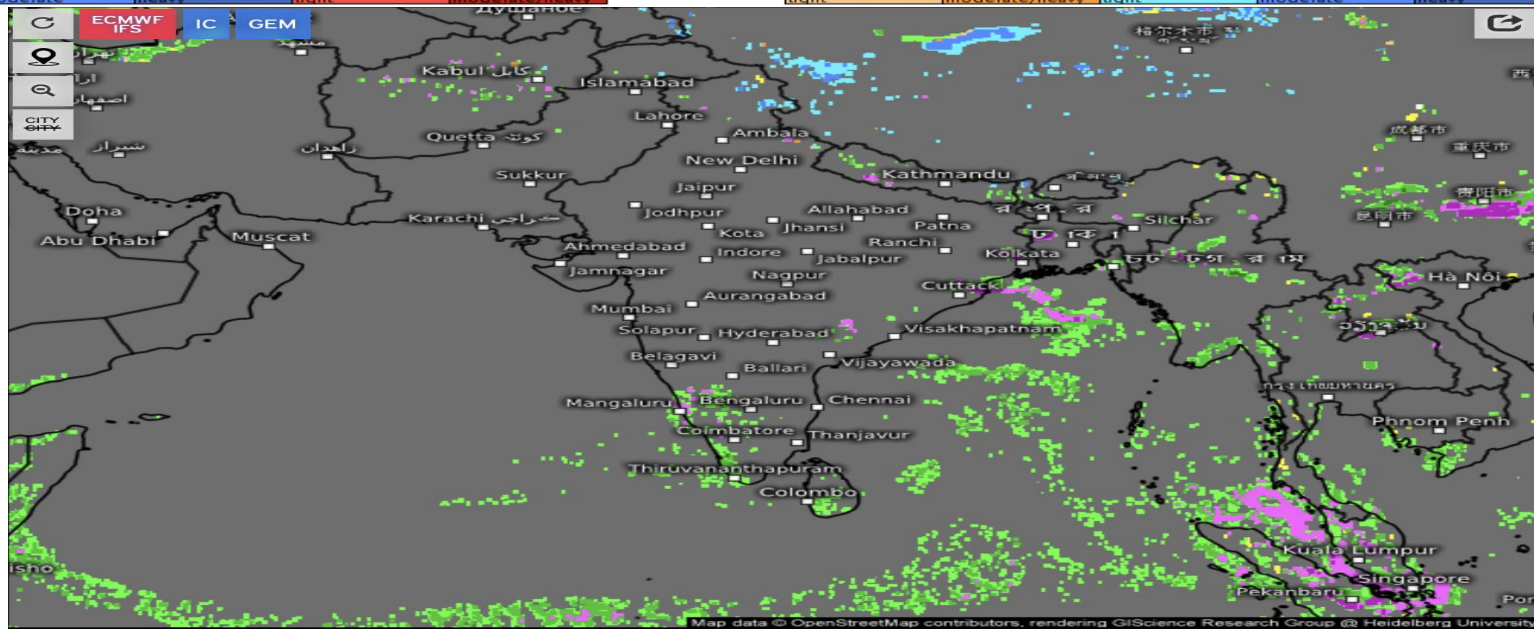


Significant Weather [i](#) Valid for Tue 04/15/2025, 05:30pm IST

Fog	Fog	Rain	Rain	Rain	Thunderstorm	Thunderstorm	Thunderstorm
Mixed Rain/Snow	freezing	light	moderate	heavy	nearby	light/moderate	severe
light	Mixed Rain/Snow	snow	snow	snow	ice	ice	ice
	moderate/heavy	light	moderate	heavy	light	moderate/heavy	

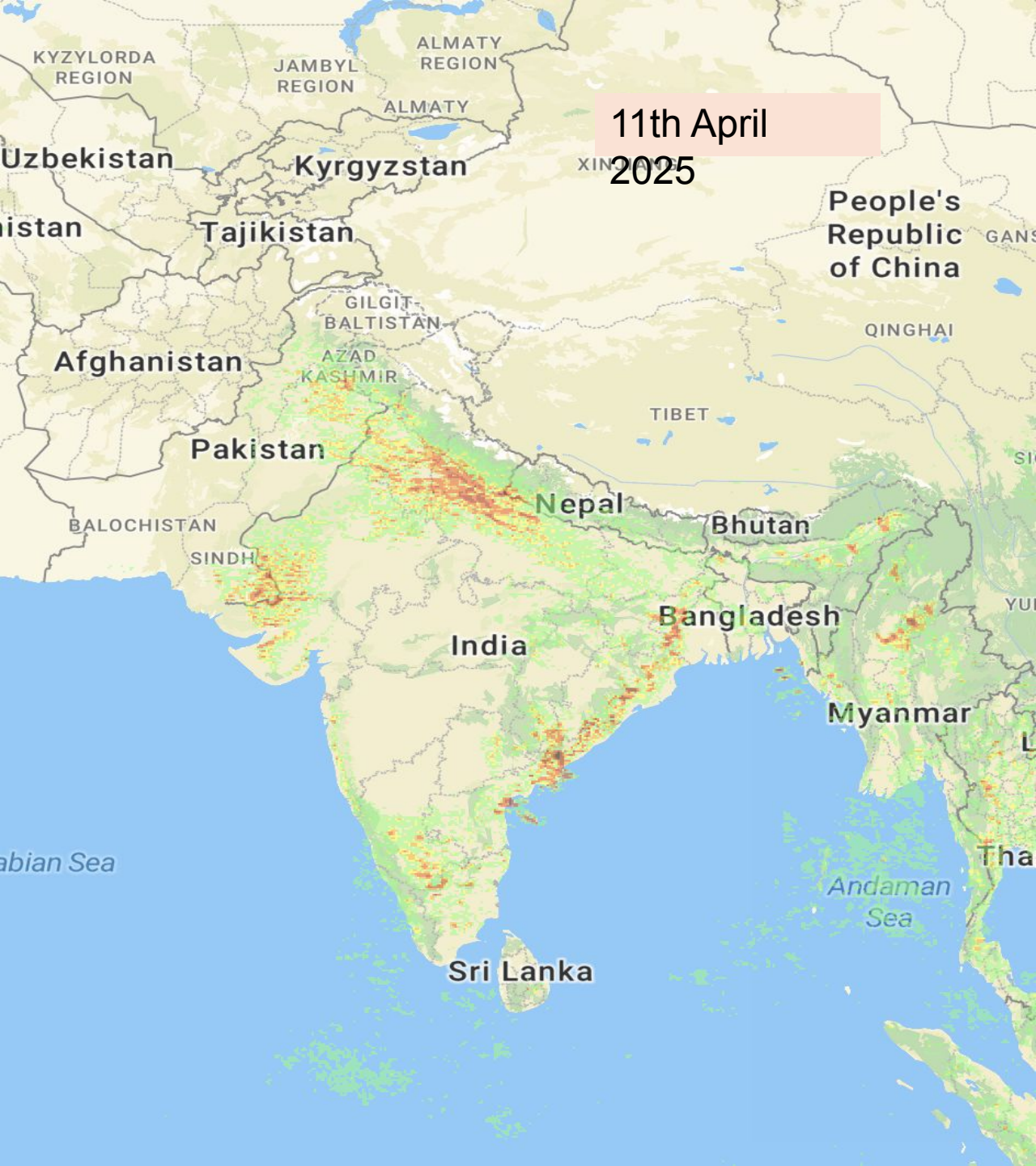
Significant Weather [i](#) Valid for Wed 04/16/2025, 05:30pm IST

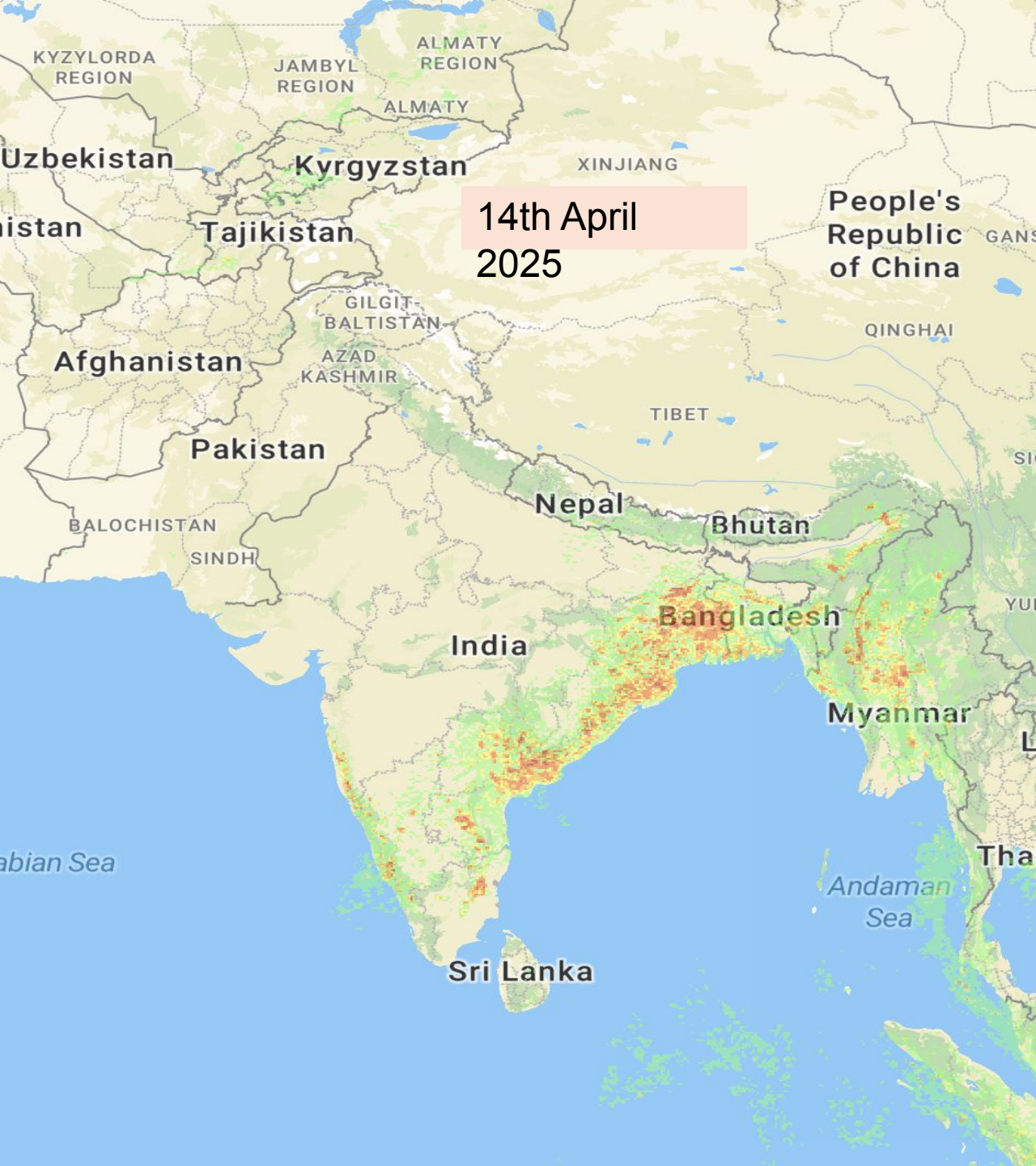
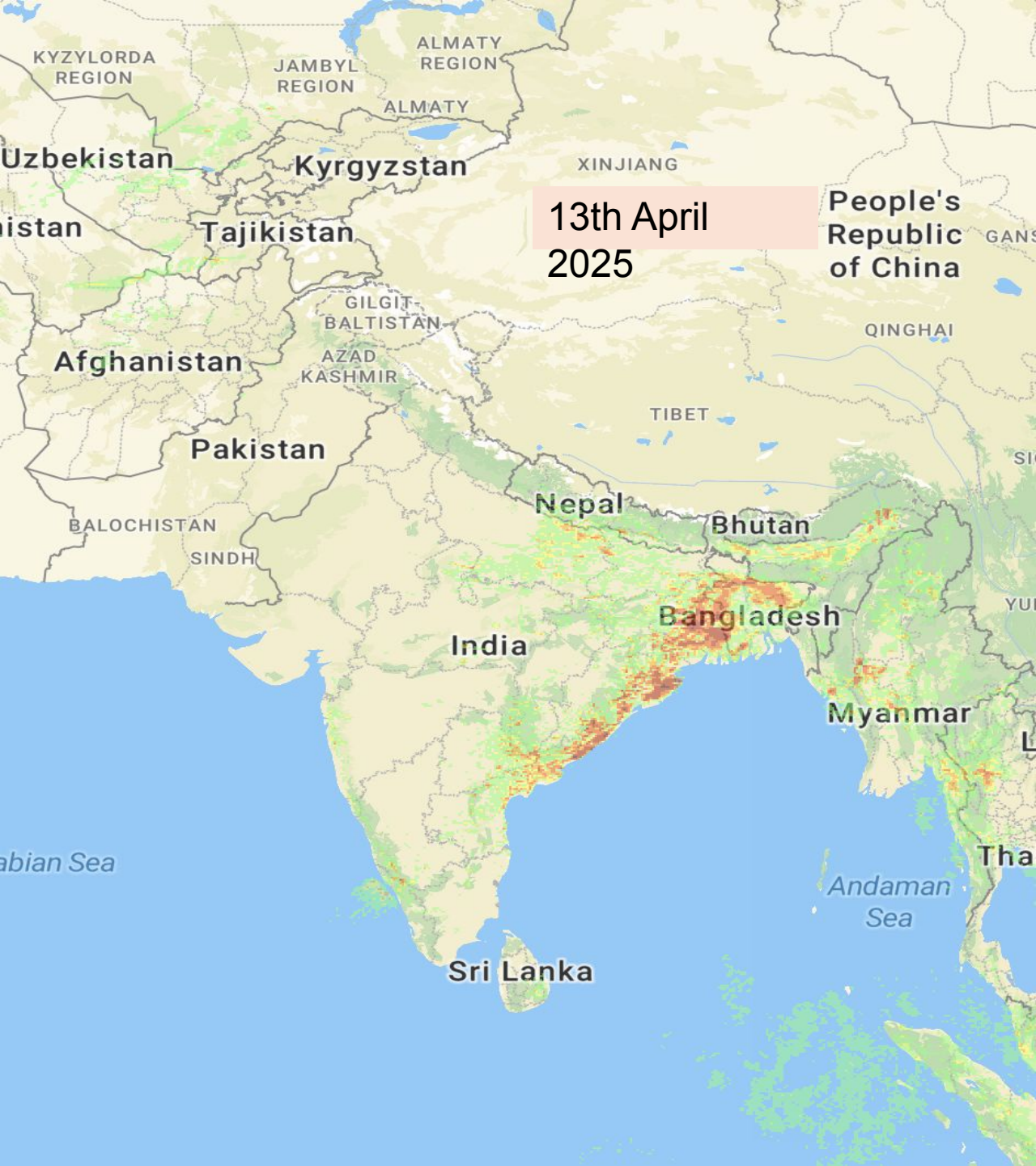
Fog	Fog	Rain	Rain	Rain	Thunderstorm	Thunderstorm	Thunderstorm
Mixed Rain/Snow	freezing	light	moderate	heavy	nearby	light/moderate	severe
light	Mixed Rain/Snow	snow	snow	snow	ice	ice	ice
	moderate/heavy	light	moderate	heavy	light	moderate/heavy	

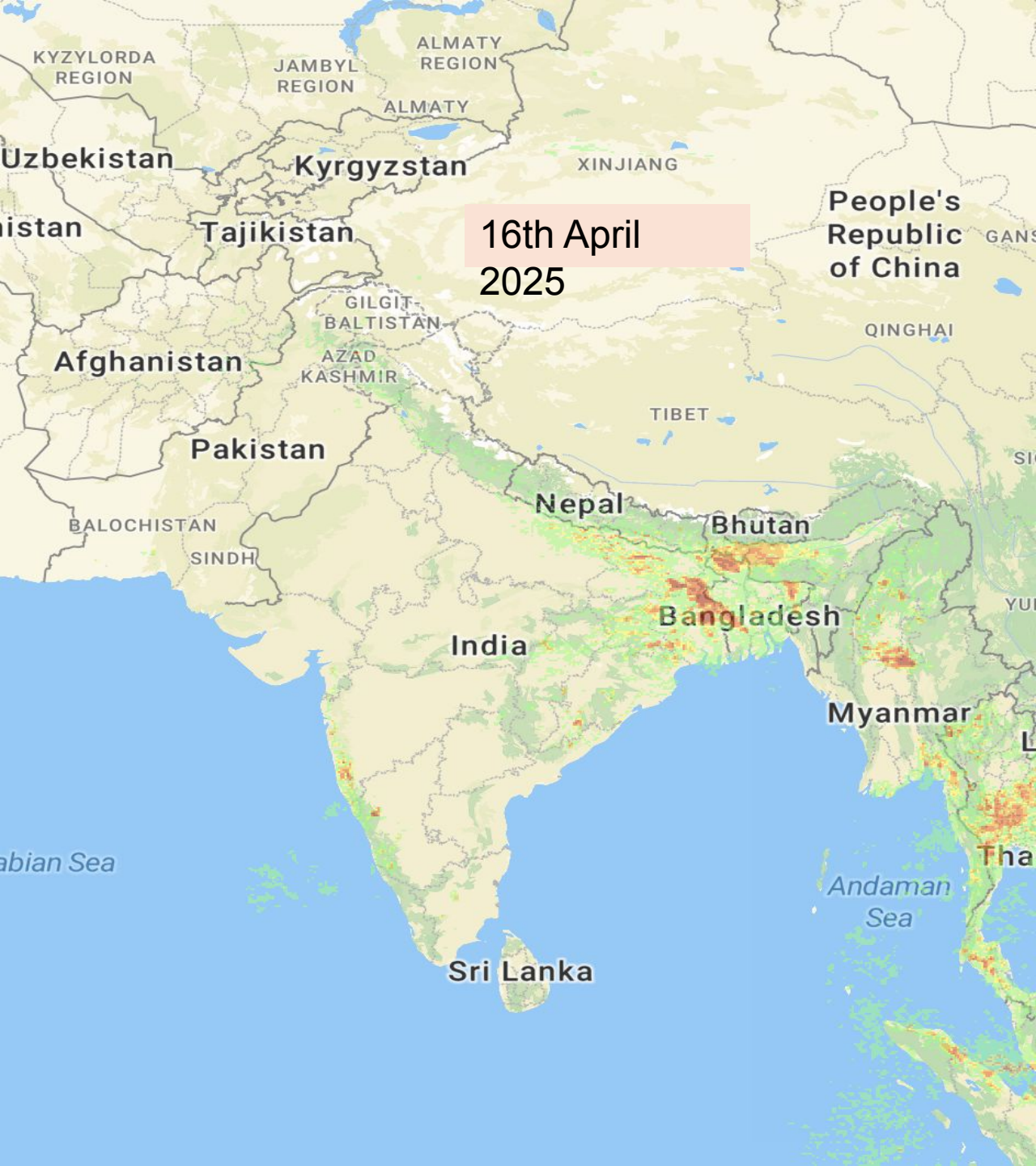
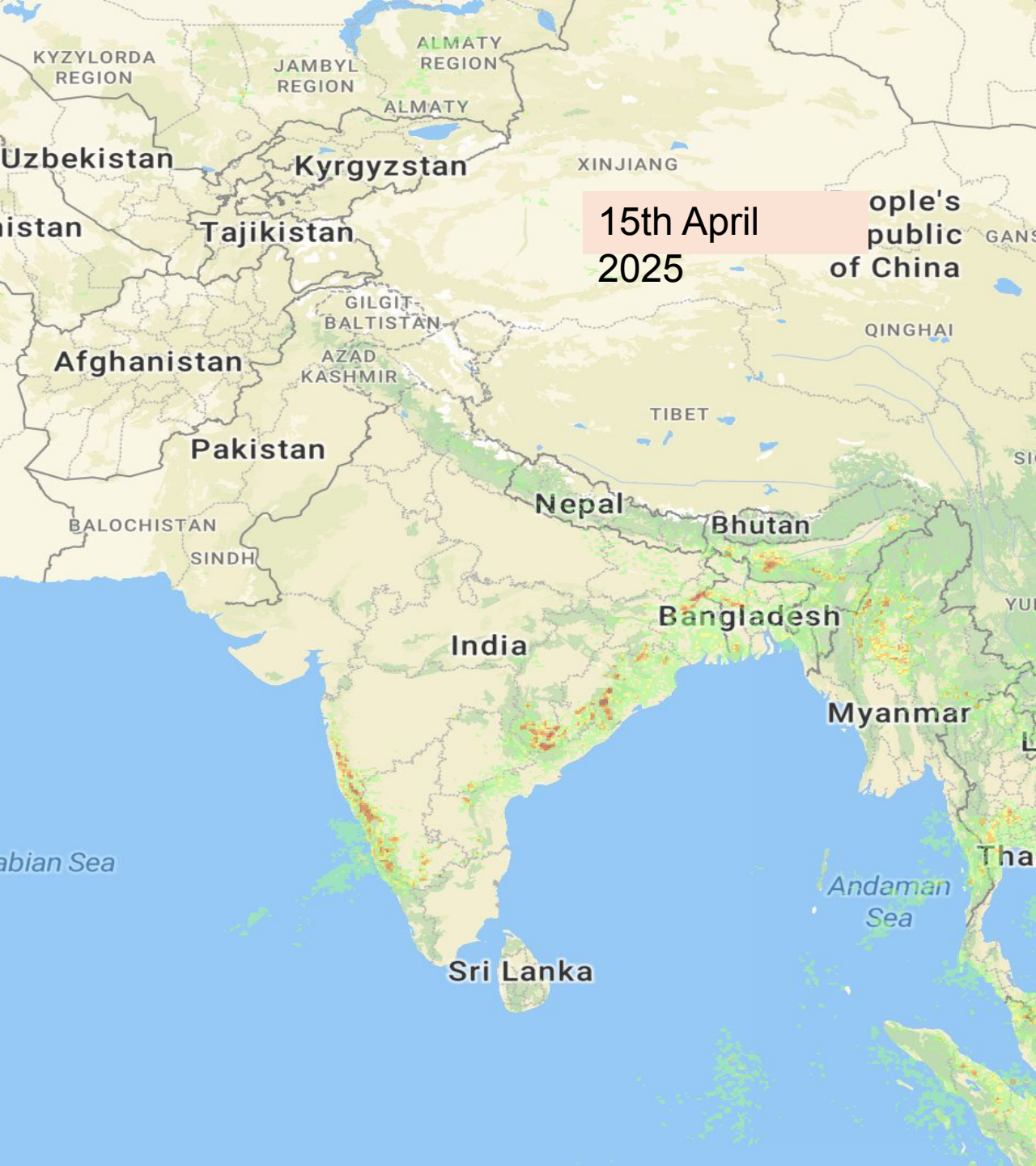


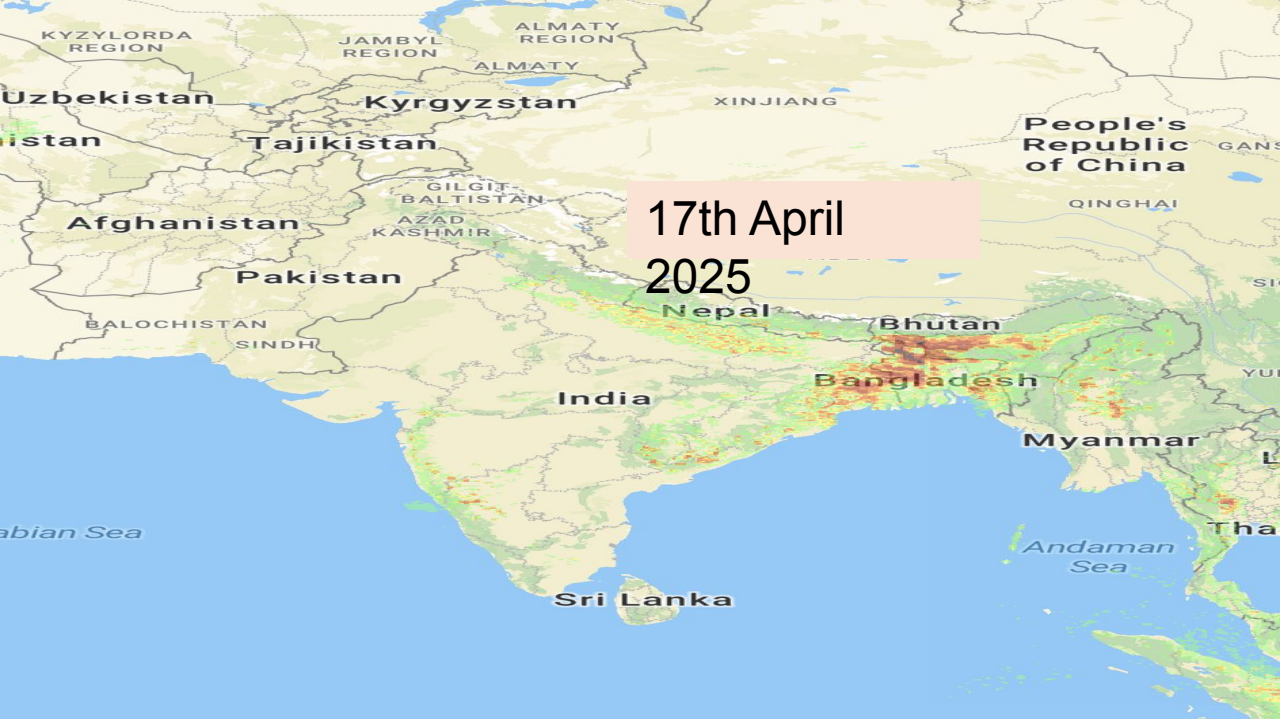
Significant Weather [i](#) Valid for Thu 04/17/2025, 05:30pm IST

Fog	Fog	Rain	Rain	Rain	Thunderstorm	Thunderstorm	Thunderstorm
Mixed Rain/Snow	freezing	light	moderate	heavy	nearby	light/moderate	severe
light	Mixed Rain/Snow	snow	snow	snow	ice	ice	ice
	moderate/heavy	light	moderate	heavy	light	moderate/heavy	

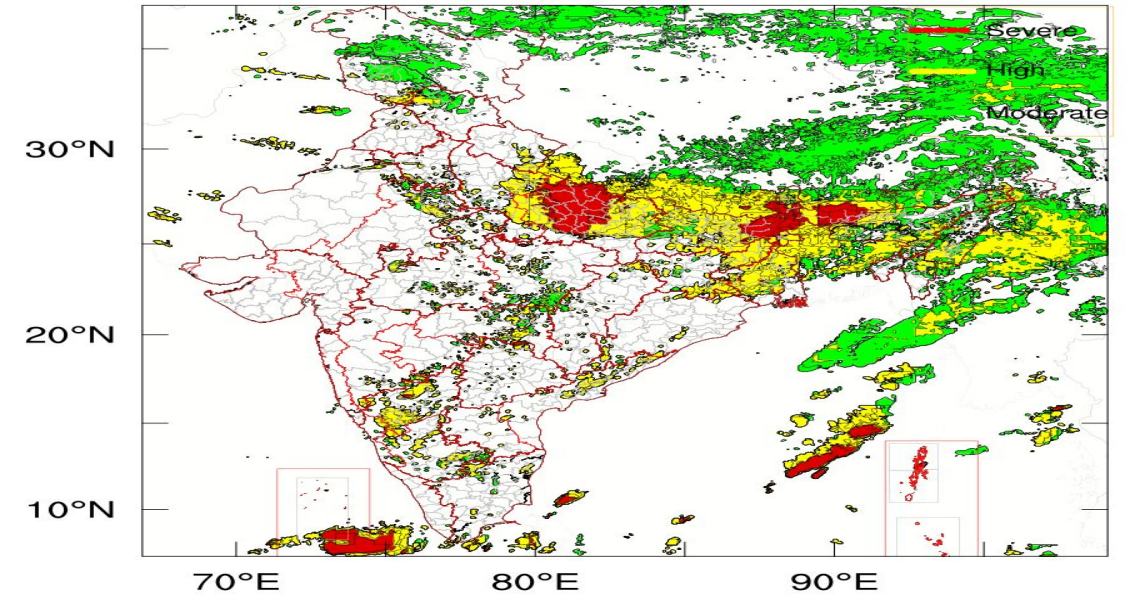




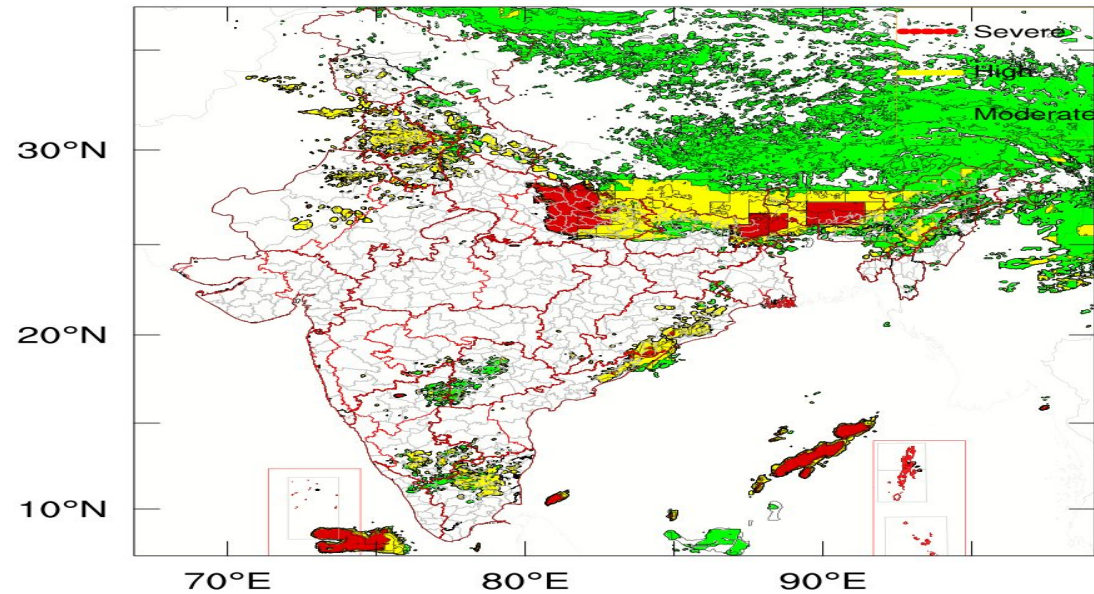




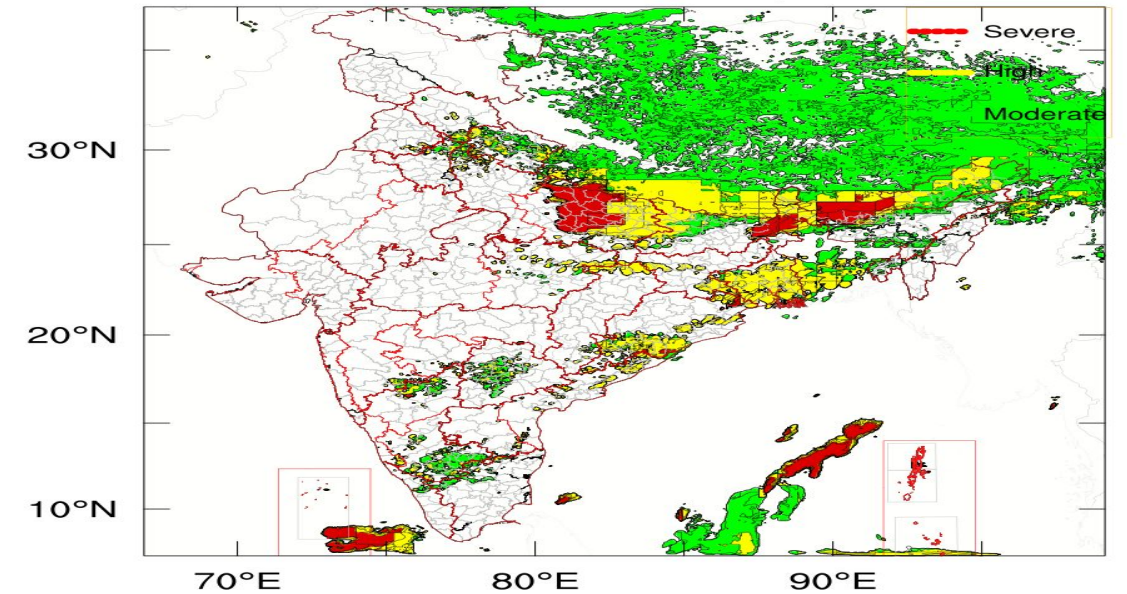
EWRf (3km): Accumulated Lightning Density forecast for 2025-04-10(24hr)
Based on IC 00 UTC of 2025-04-10 valid upto 00 UTC of 2025-04-11

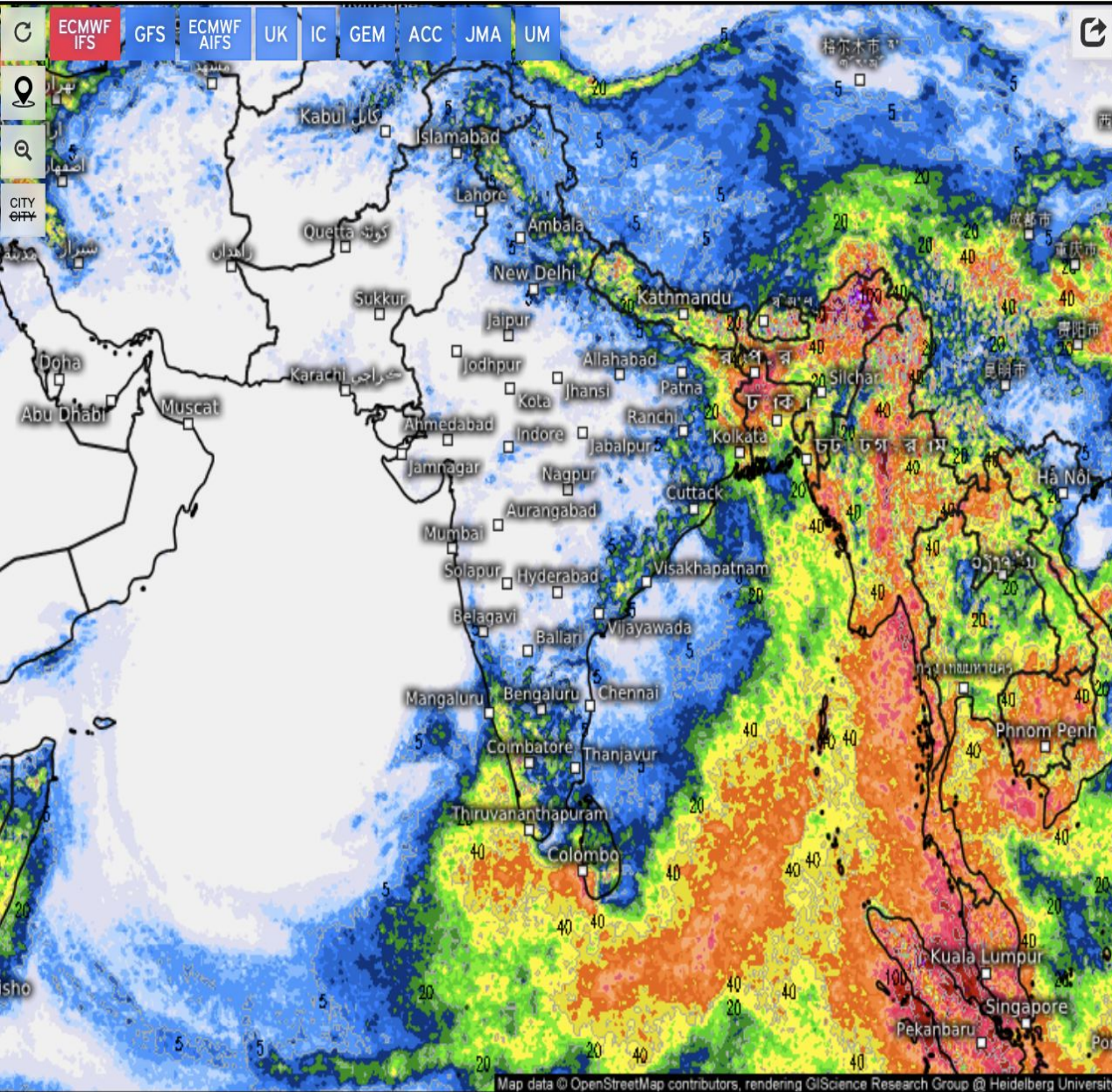


EWRf (3km): Accumulated Lightning Density Forecast for 2025-04-11(48hr)
Based on IC 00 UTC of 2025-04-10 valid upto 00 UTC of 2025-04-12



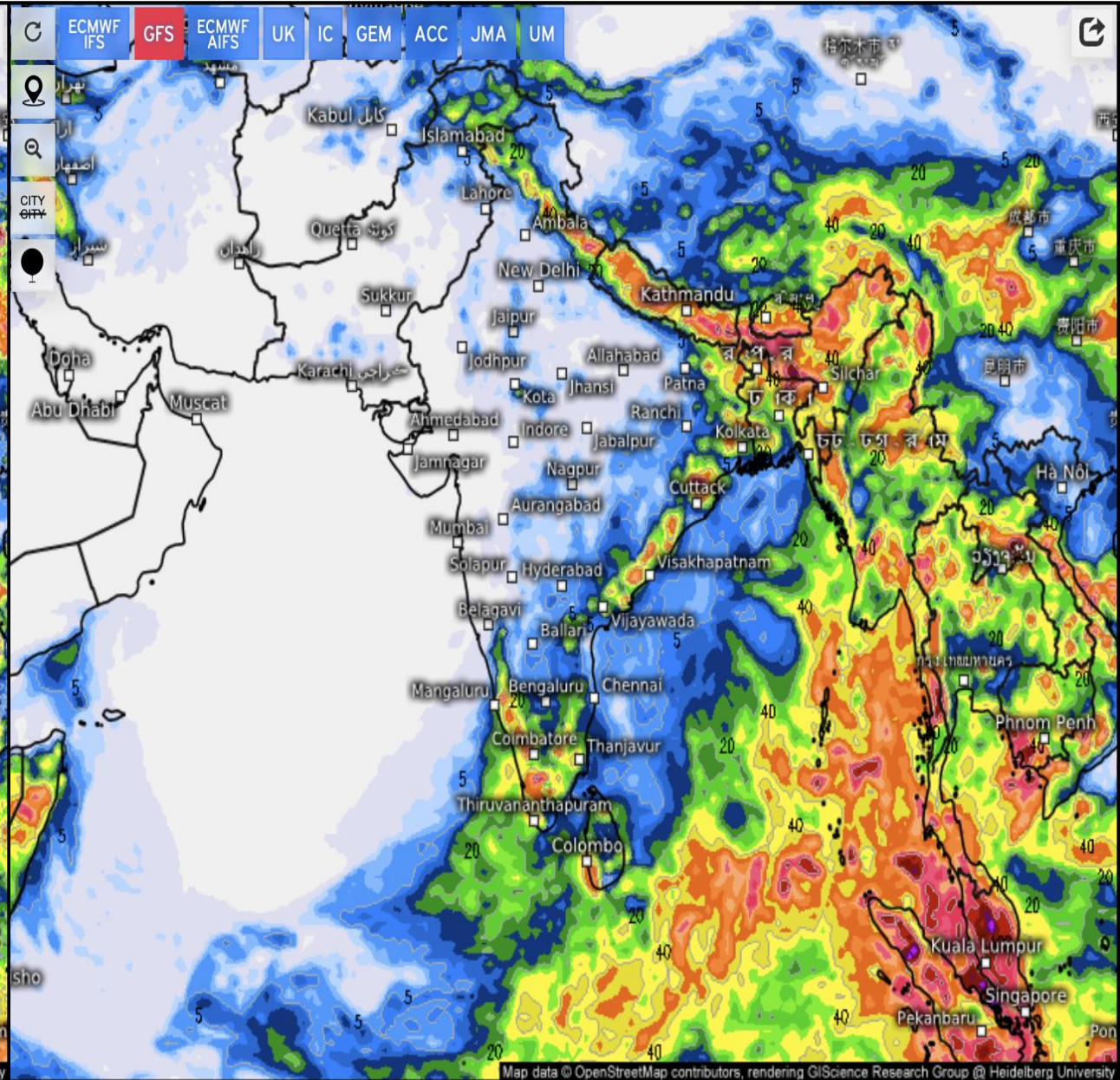
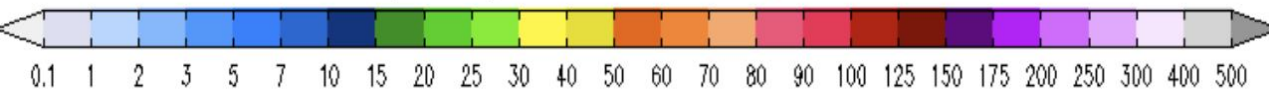
EWRf (3km): Accumulated Lightning Density Forecast for 2025-04-12(72 hr)
Based on IC 00 UTC of 2025-04-10 valid upto 00 UTC of 2025-04-13





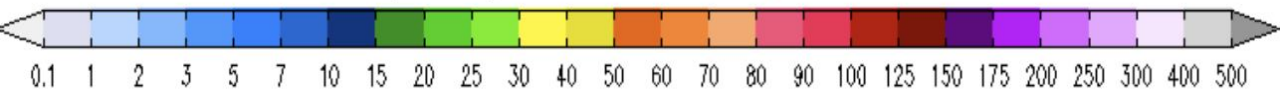
Accumulated total precipitation (mm)

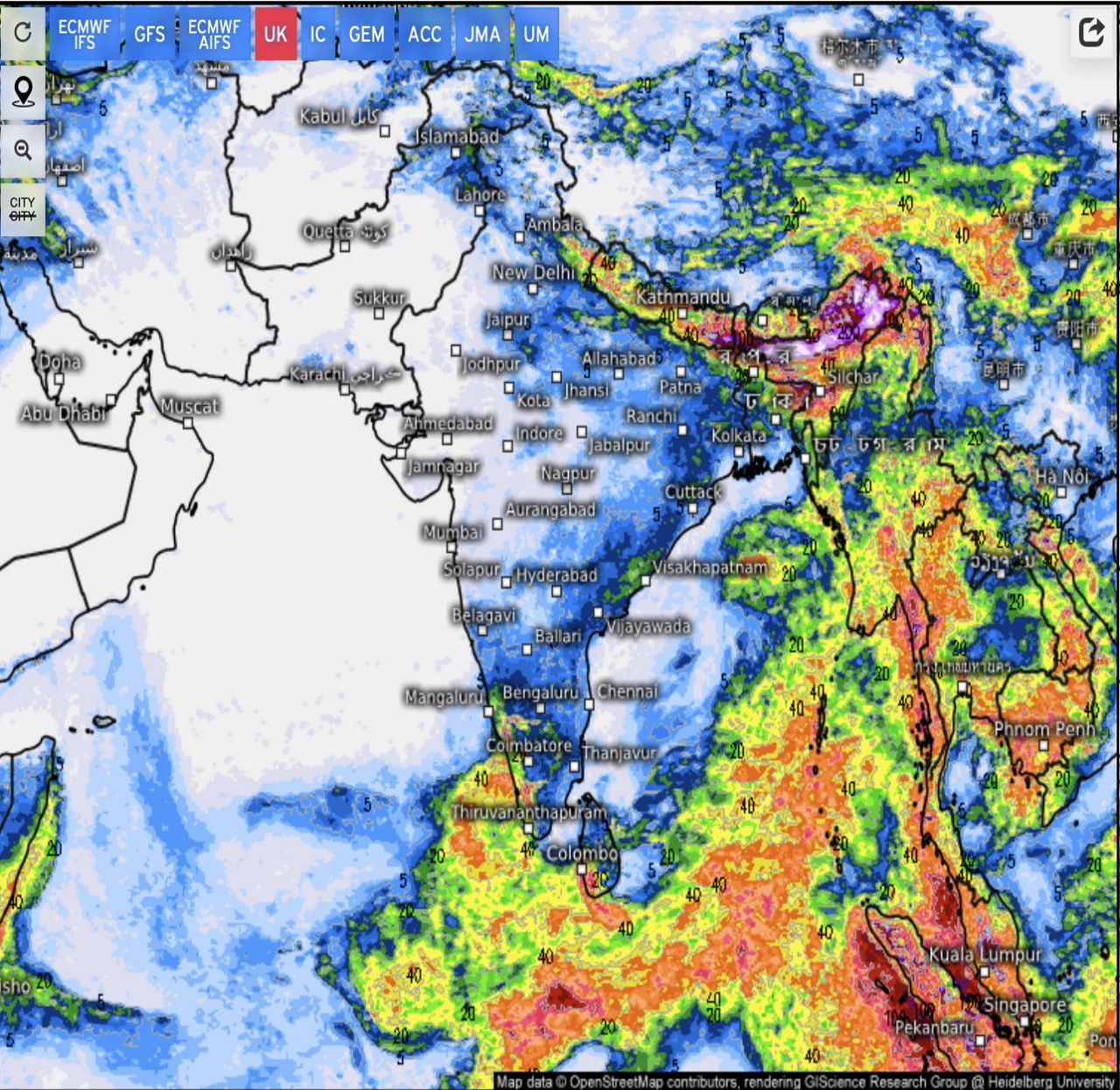
From Thu 04/10/2025, 05:30am IST
to Thu 04/17/2025, 05:30am IST



Accumulated total precipitation (mm)

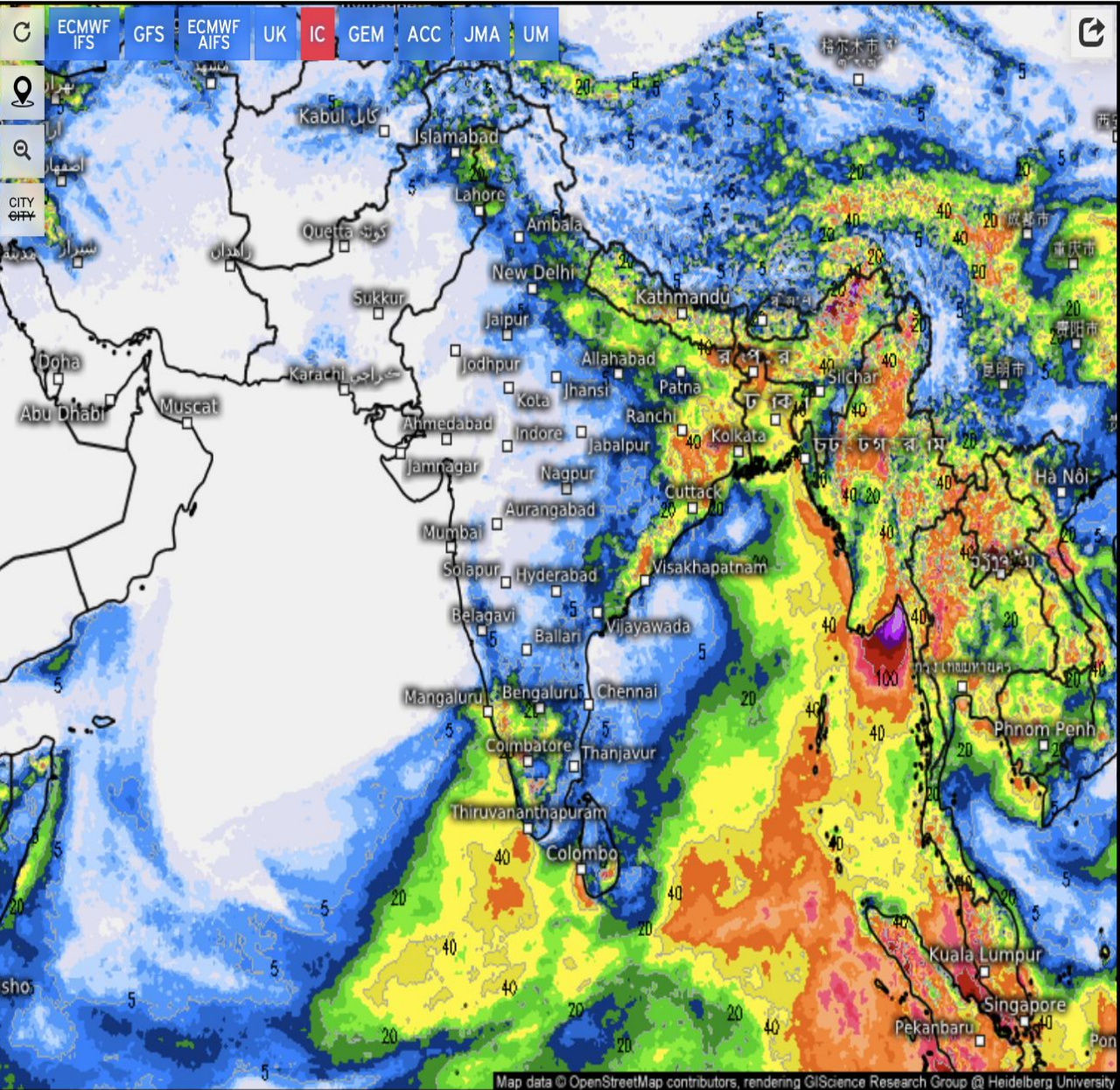
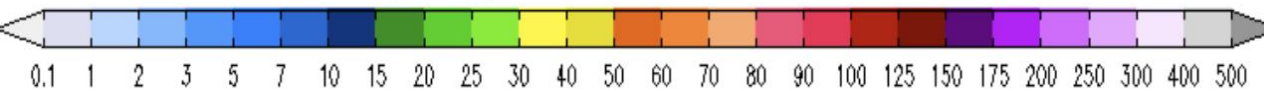
From Thu 04/10/2025, 05:30am IST
to Thu 04/17/2025, 05:30am IST





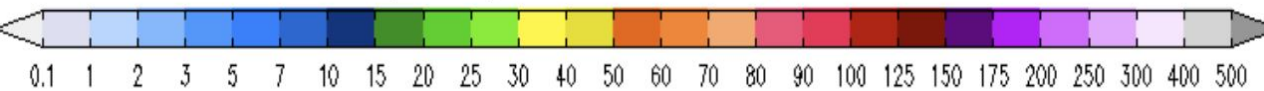
Accumulated total precipitation (mm)

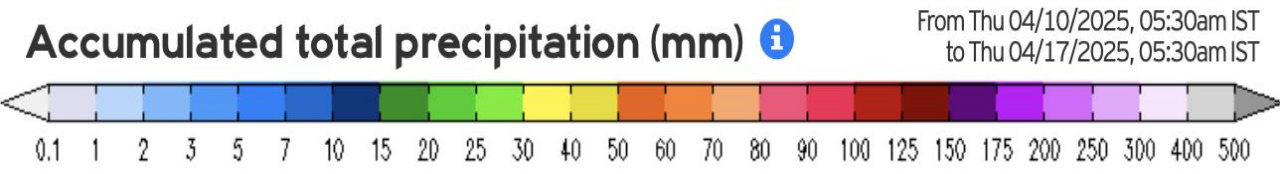
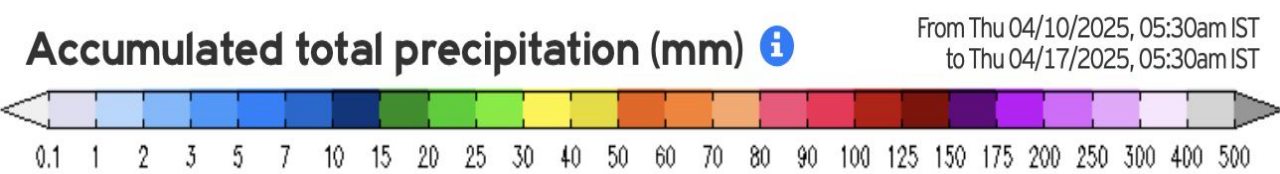
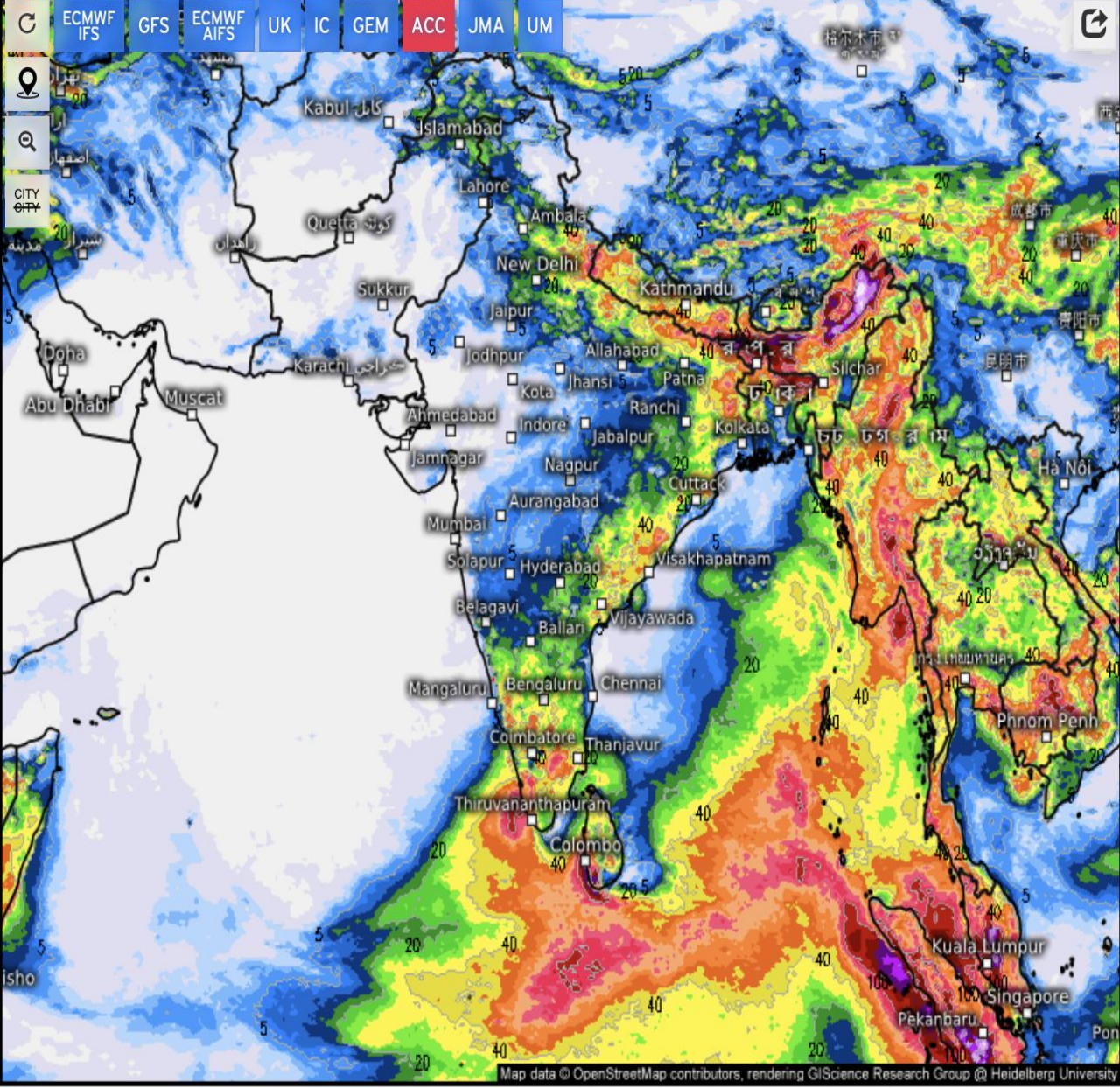
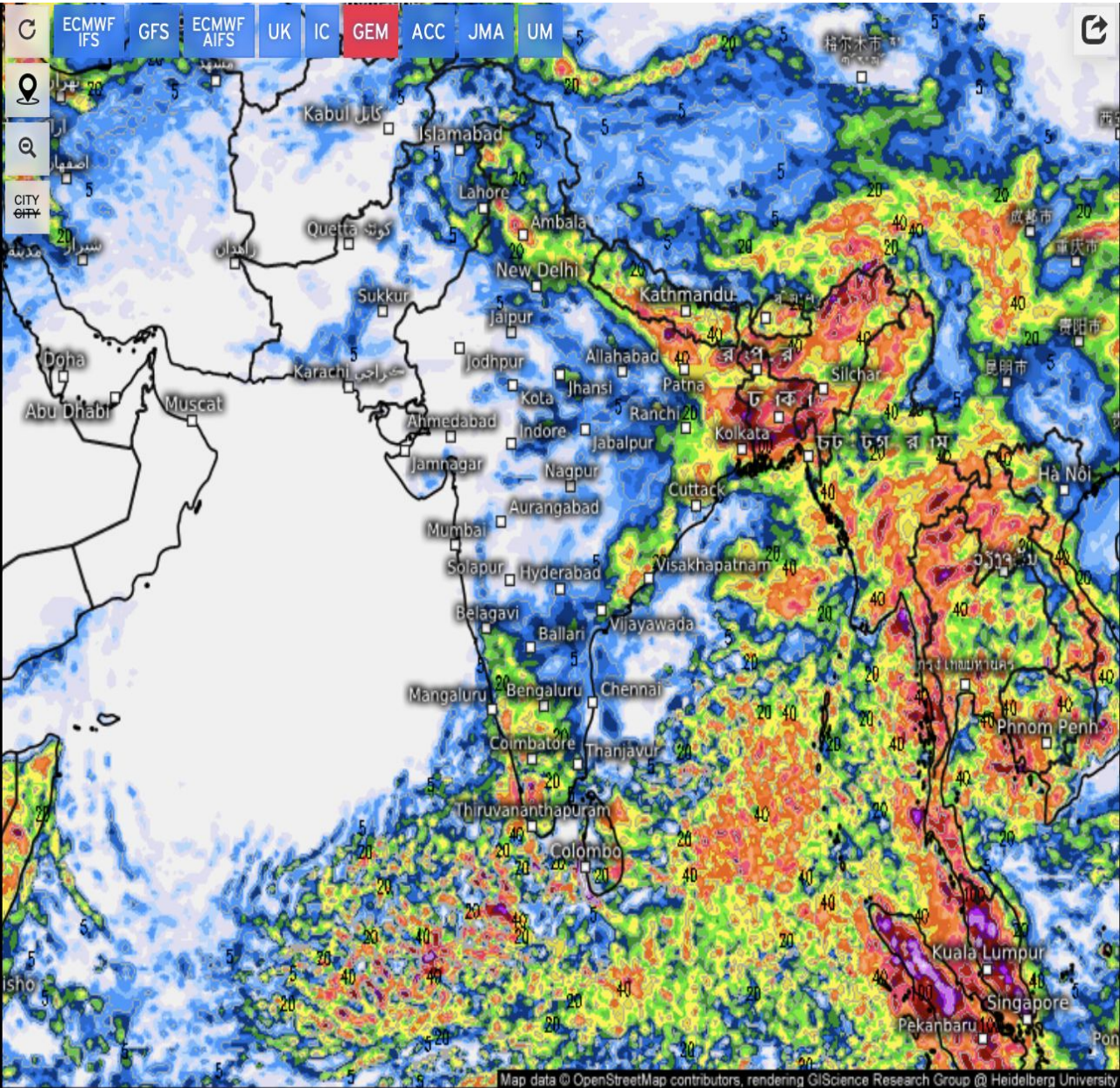
From Thu 04/10/2025, 05:30am IST
to Thu 04/17/2025, 05:30am IST

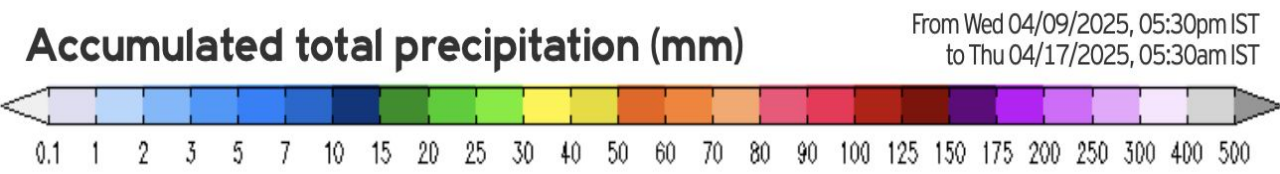
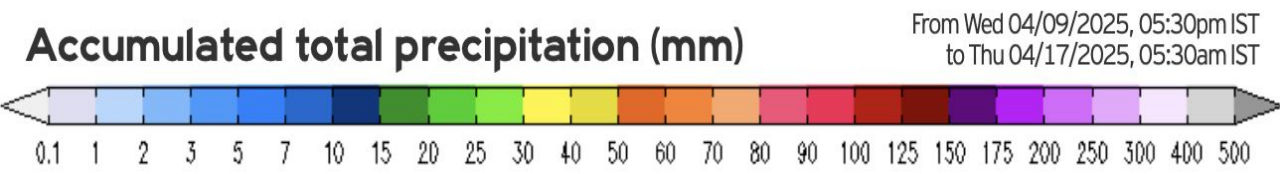
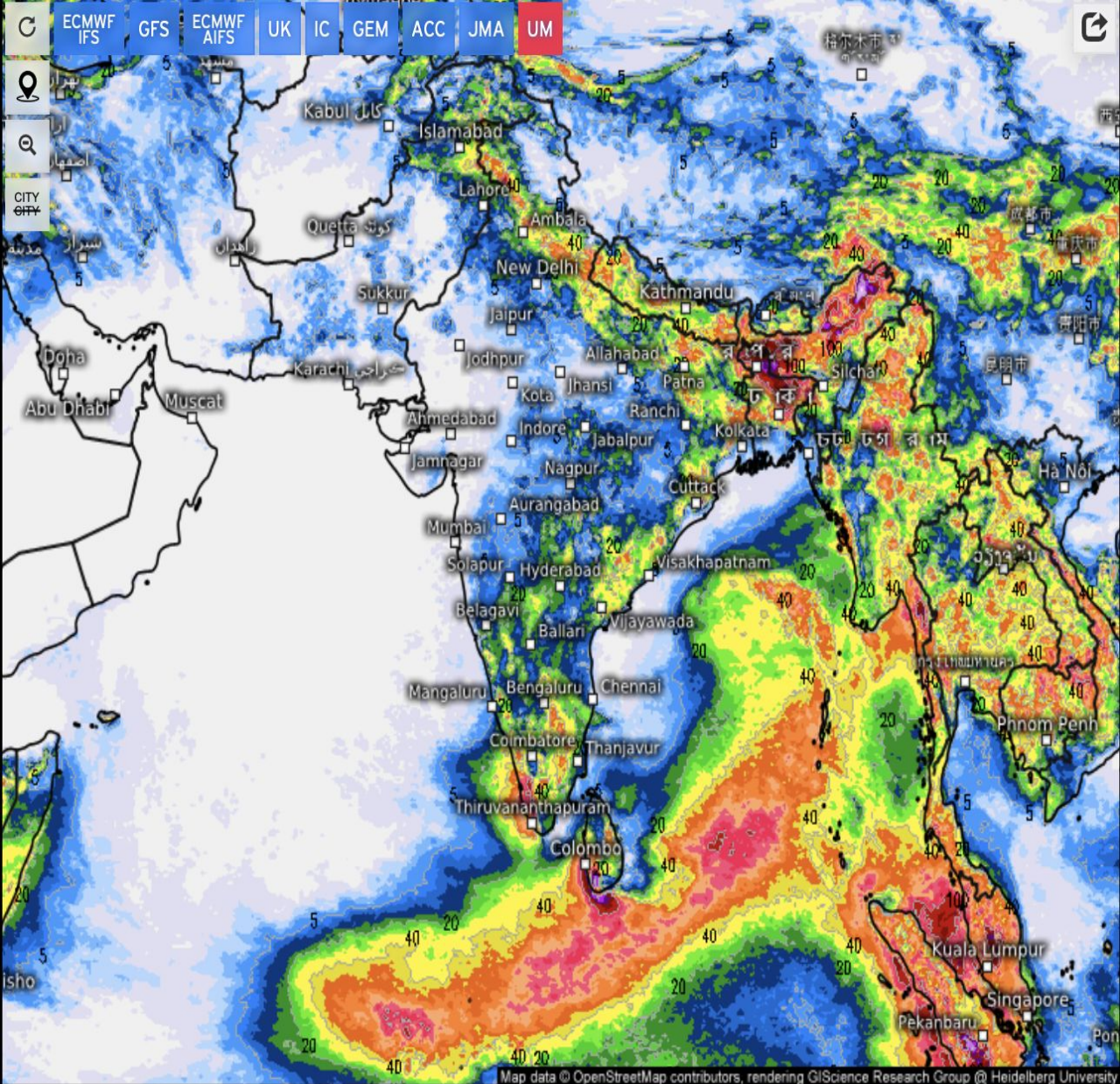
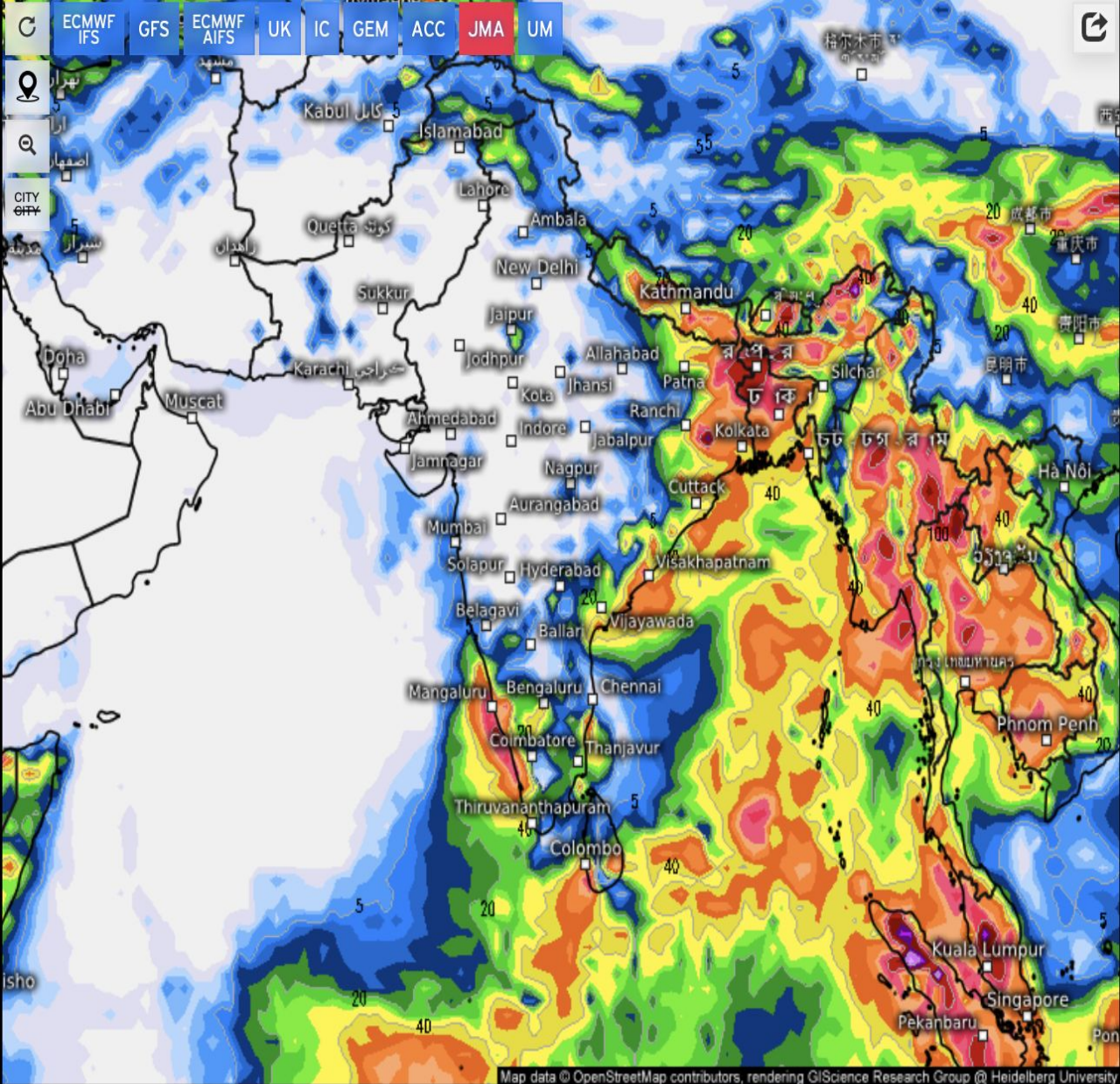


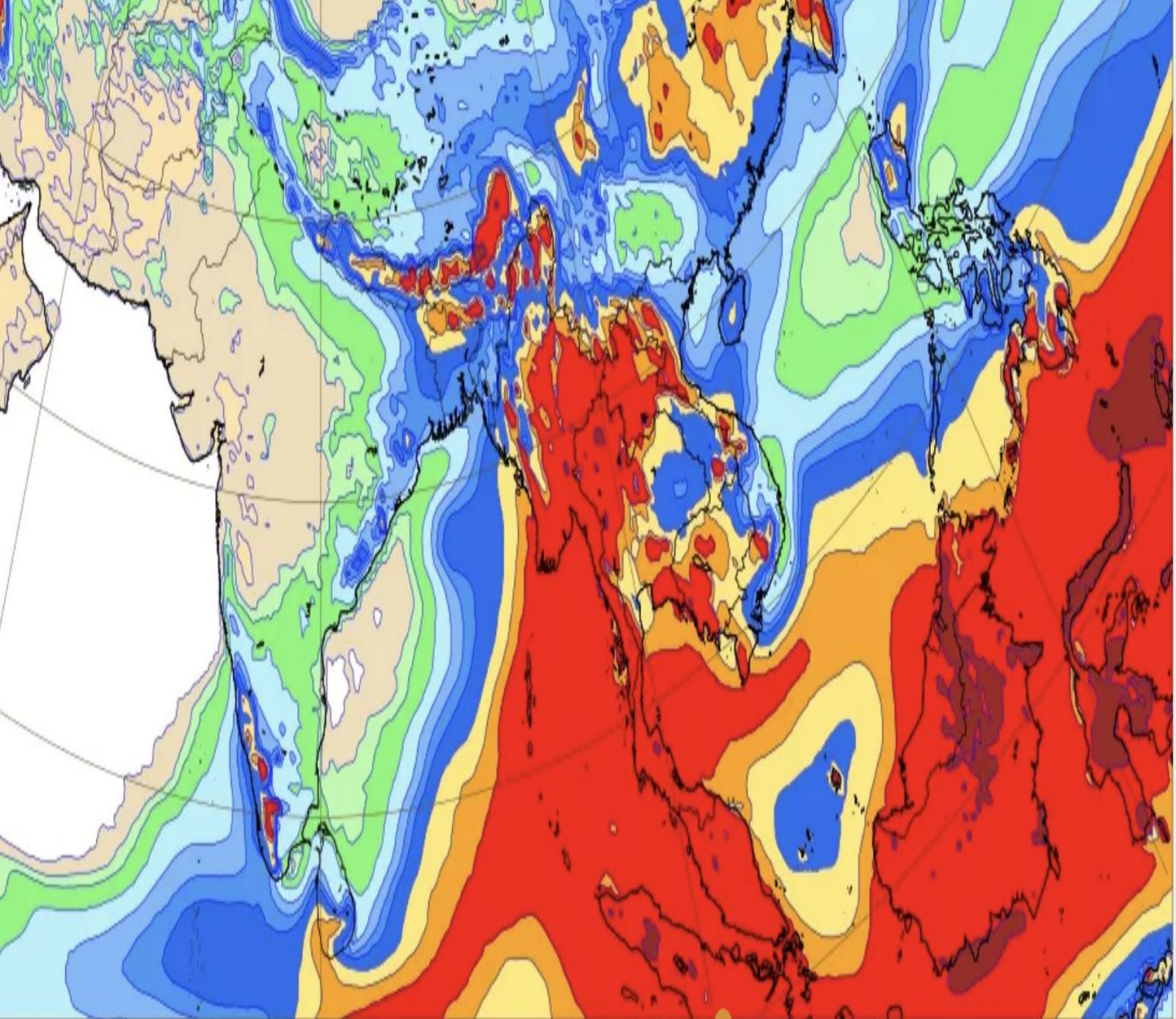
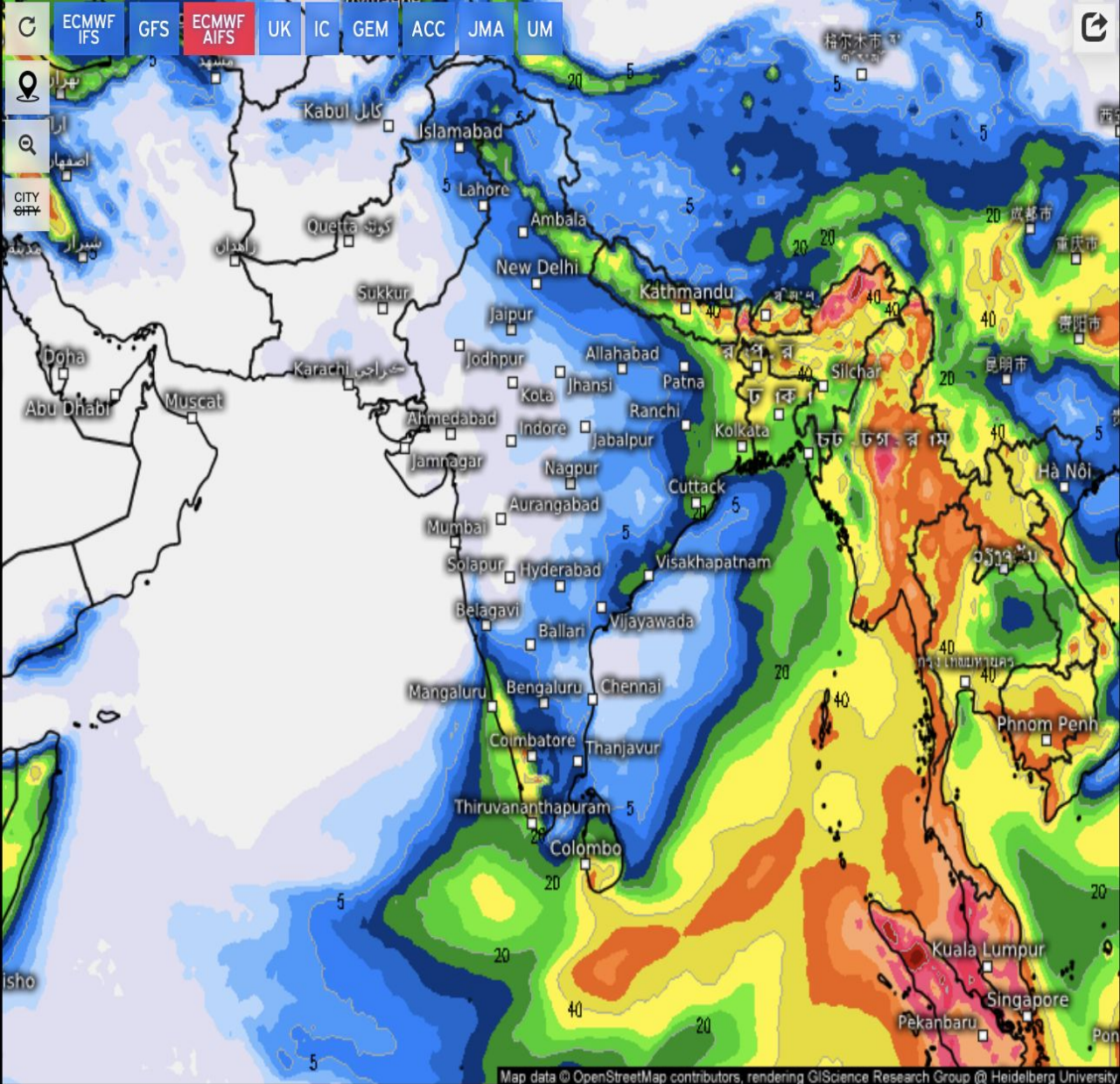
Accumulated total precipitation (mm) 

From Thu 04/10/2025, 05:30am IST
to Thu 04/17/2025, 05:30am IST



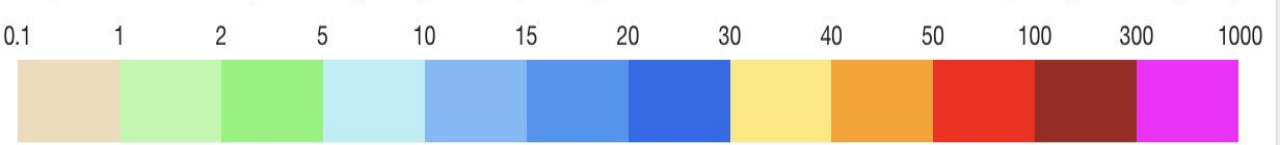
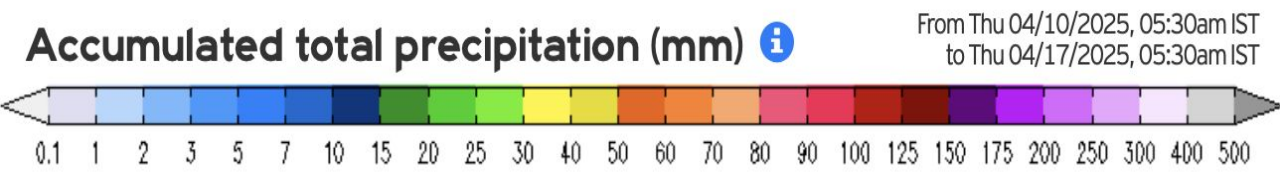


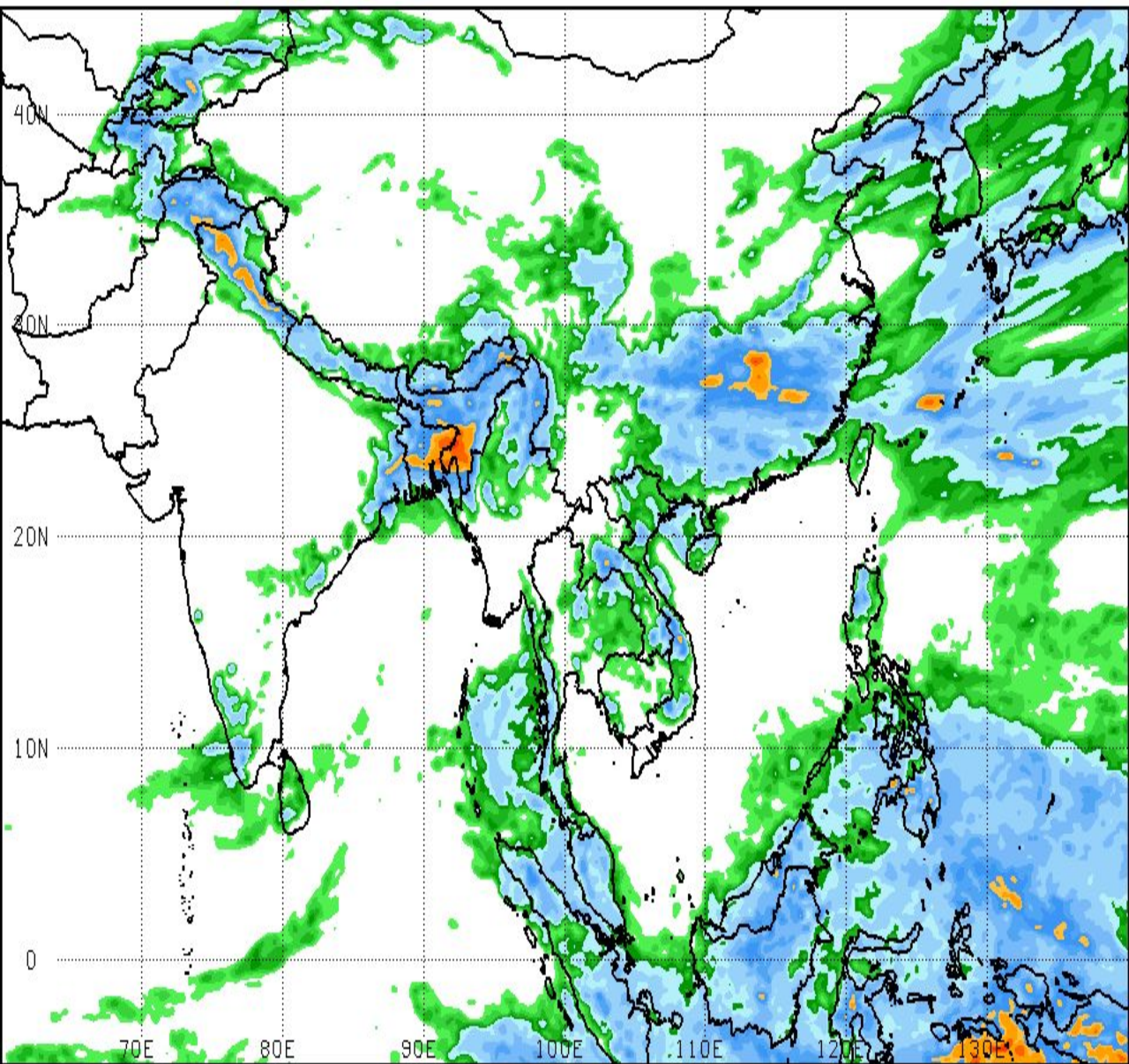




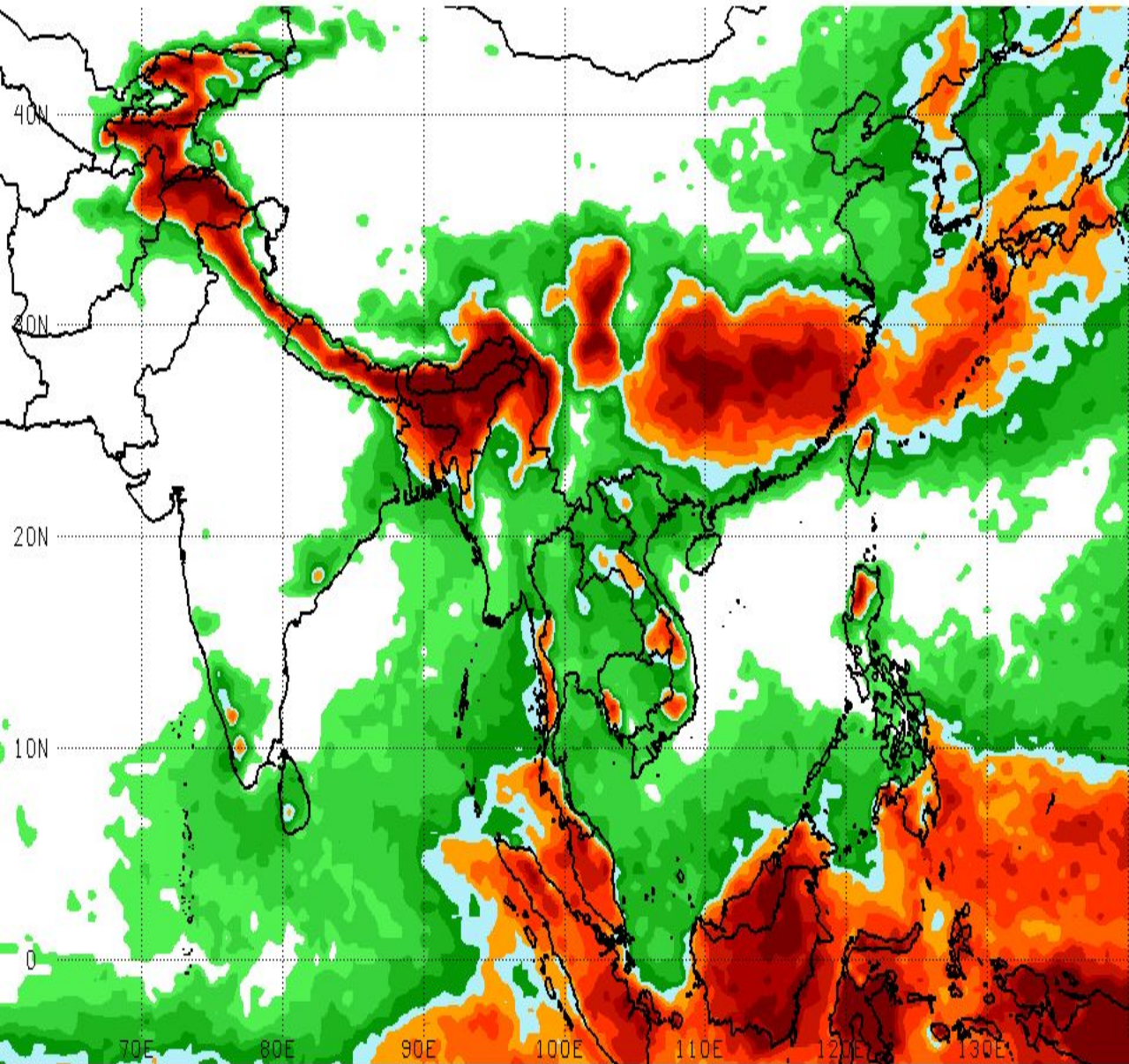
Thu 17 Apr 2025 00 UTC (T+168)

Experimental: GraphCast (Google Deepmind) ML model: Total accumulated precipitation (mm)





NOAA GFS 20250410 t00z cycle FCST week2 Total Precip (mm) VALID 2025042400Z



NOAA GFS 20250410 00zCYC FCST Probability of Week2 Precip > 25mm VALID 20250424/0000V336



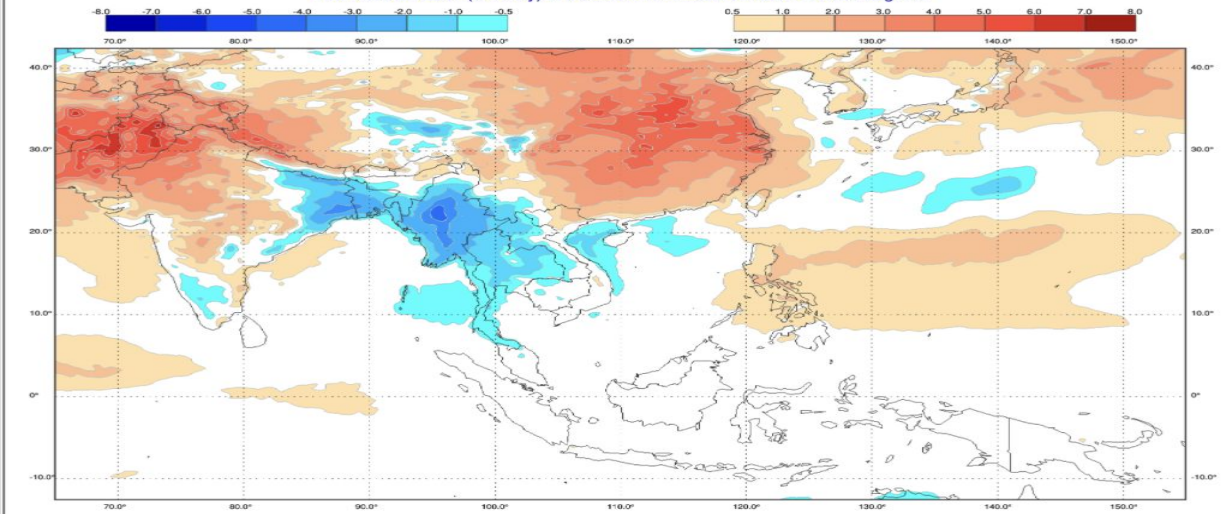
Temperature anomalies

Week 2 starting from: Monday 14/04/2025

Monthly Temperature (T2m) Anomalies valid for week: from 14 to 20 April 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 09 April 2025

Estimated deviation (anomaly) of the mean from model climate in Celsius degrees

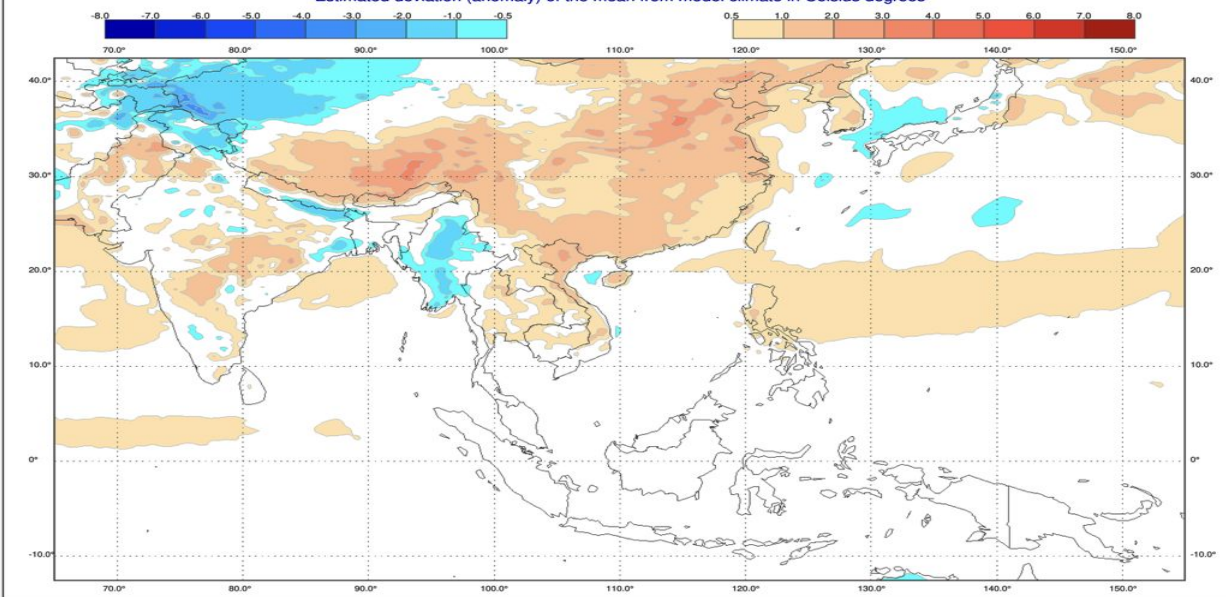


Week 3 starting from: Monday 21/04/2025

Monthly Temperature (T2m) Anomalies valid for week: from 21 to 27 April 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 09 April 2025

Estimated deviation (anomaly) of the mean from model climate in Celsius degrees



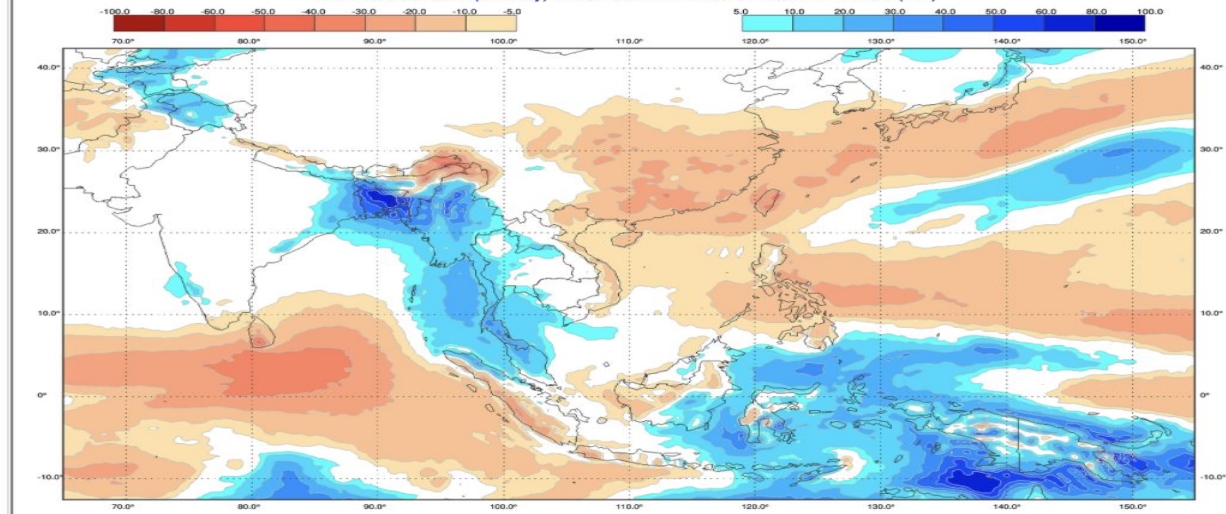
Rain anomalies

Week 2 starting from: Monday 14/04/2025

Monthly Rain Anomalies valid for week: from 14 to 20 April 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 09 April 2025

Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)

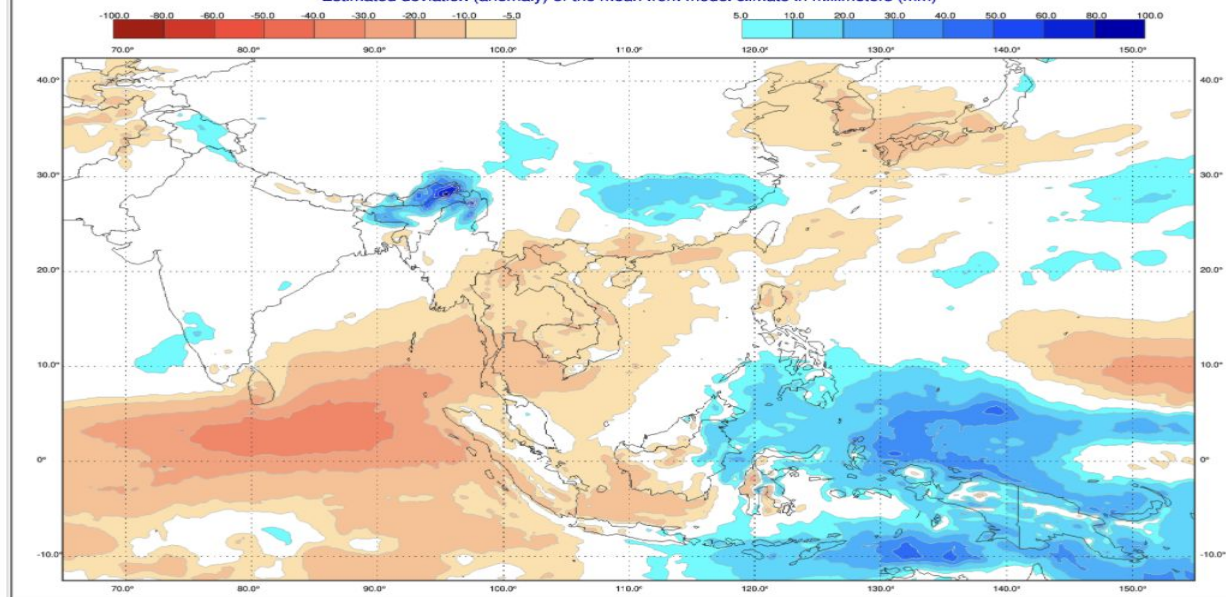


Week 3 starting from: Monday 21/04/2025

Monthly Rain Anomalies valid for week: from 21 to 27 April 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 09 April 2025

Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)

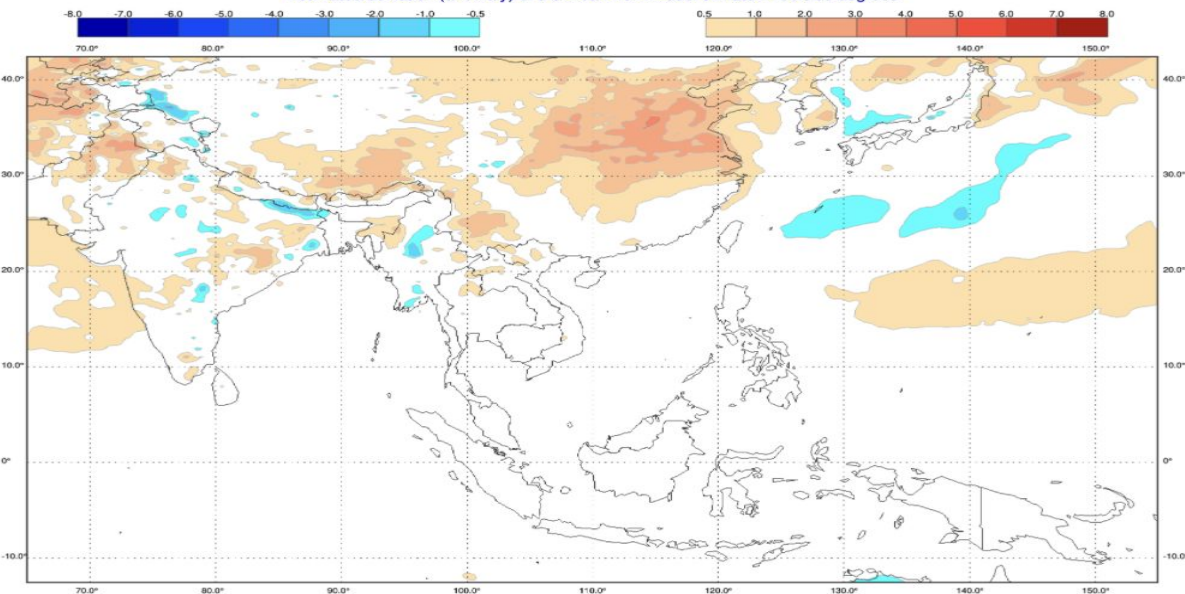


Week 4 starting from: Monday 28/04/2025

Monthly Temperature (T2m) Anomalies valid for week: from 28 April to 04 May 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 09 April 2025

Estimated deviation (anomaly) of the mean from model climate in Celsius degrees

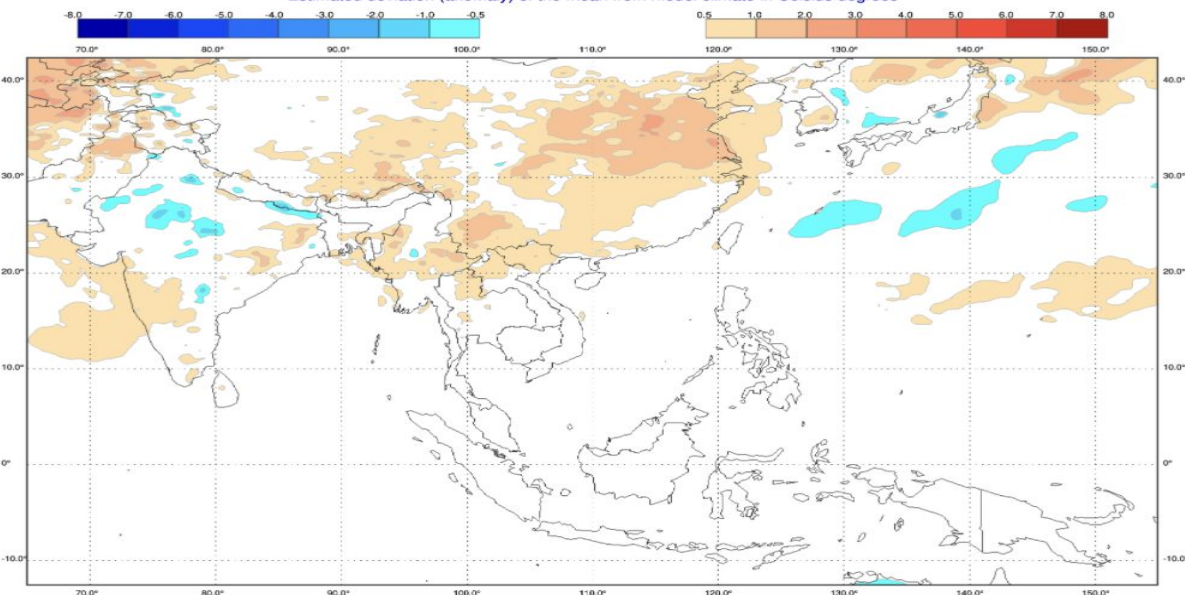


Week 5 starting from: Monday 05/05/2025

Monthly Temperature (T2m) Anomalies valid for week: from 05 to 11 May 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 09 April 2025

Estimated deviation (anomaly) of the mean from model climate in Celsius degrees

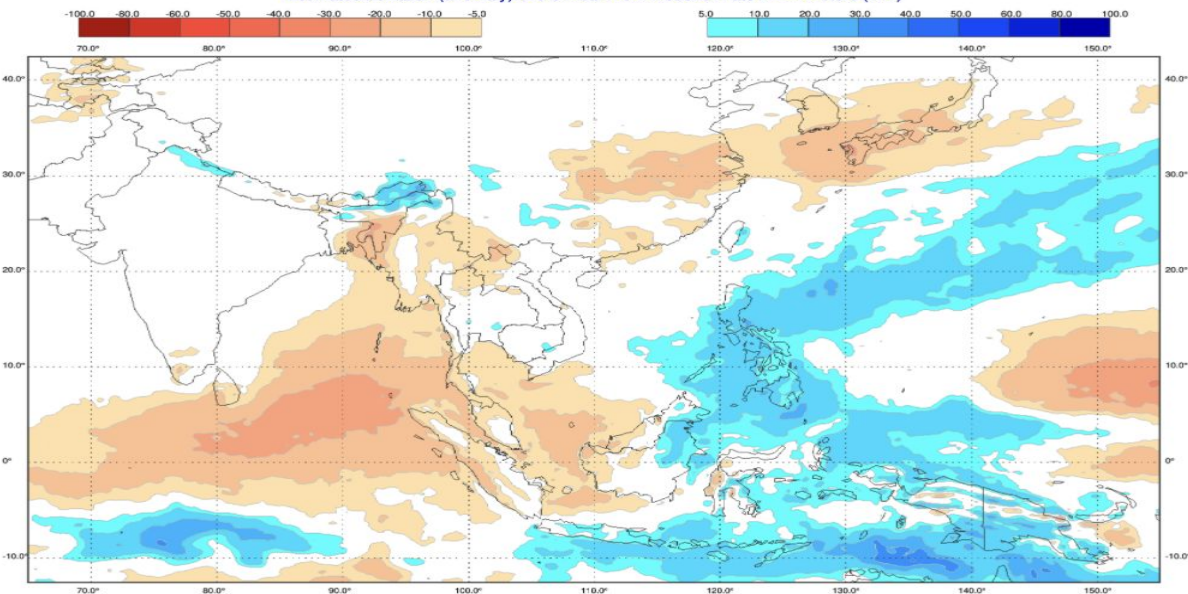


Week 4 starting from: Monday 28/04/2025

Monthly Rain Anomalies valid for week: from 28 April to 04 May 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 09 April 2025

Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)

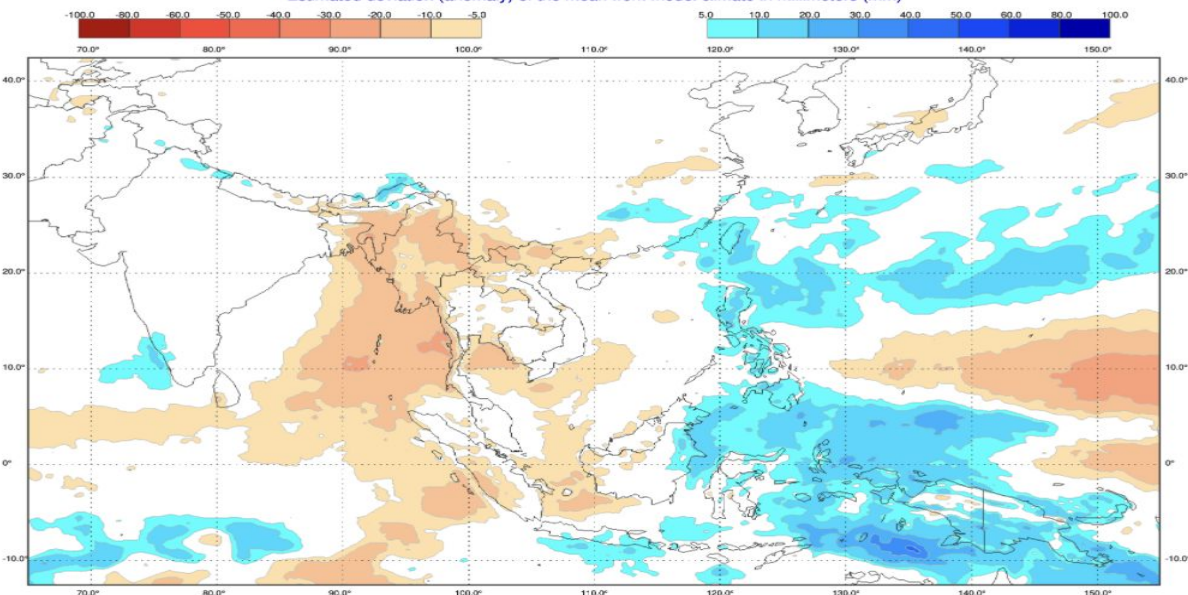


Week 5 starting from: Monday 05/05/2025

Monthly Rain Anomalies valid for week: from 05 to 11 May 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 09 April 2025

Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)



MME forecast Tmax anomaly (Deg C)

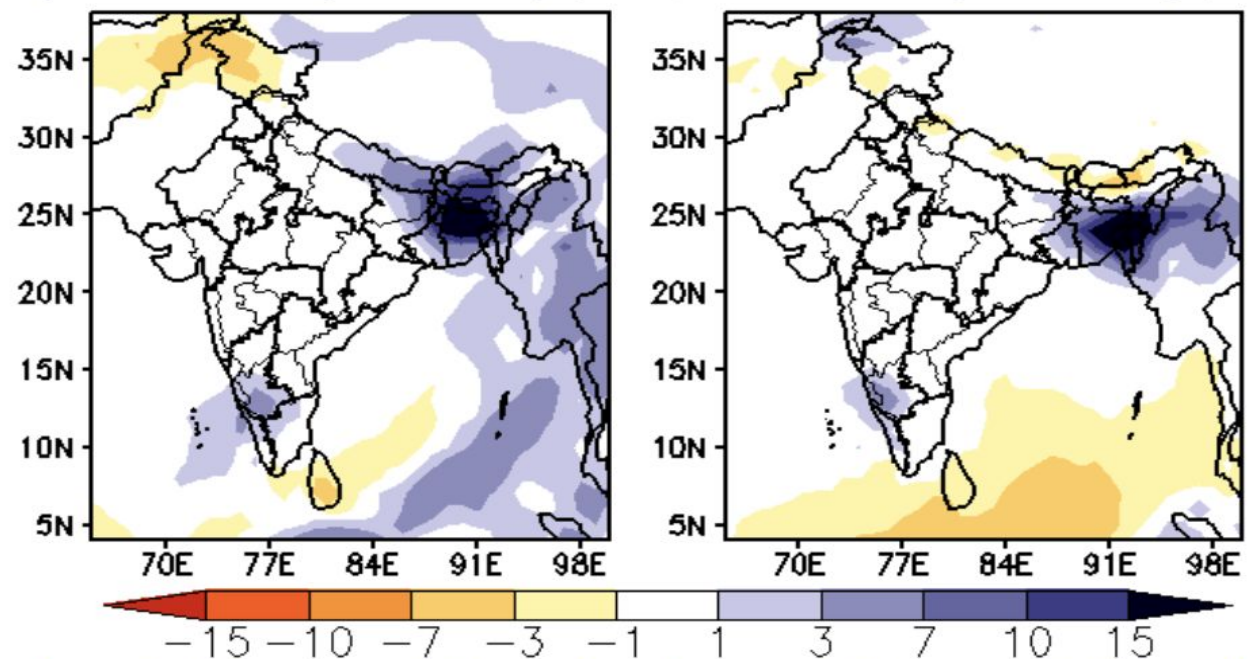
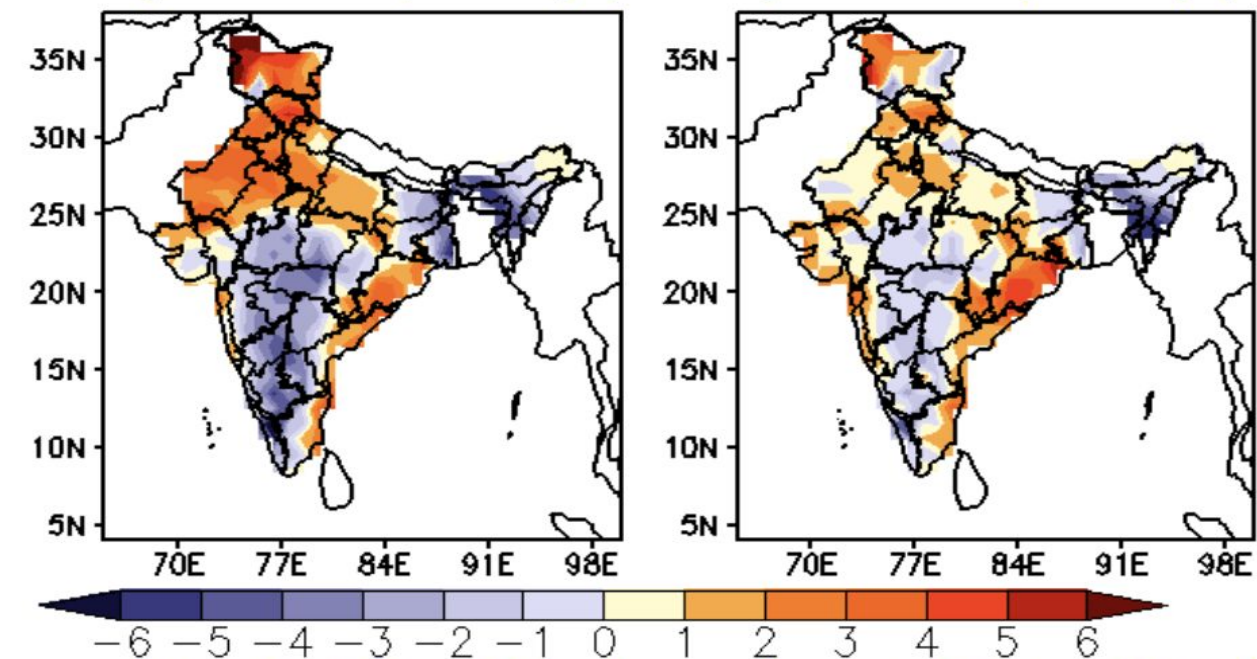
(Week1: 11Apr-17Apr)

(Week2: 18Apr-24Apr)

Forecast Rainfall Anomaly (mm/day) (00Z=0530 hrs IST)

(Week1:00Z10Apr-00Z17Apr)

(Week2:00Z17Apr-00Z24Apr)

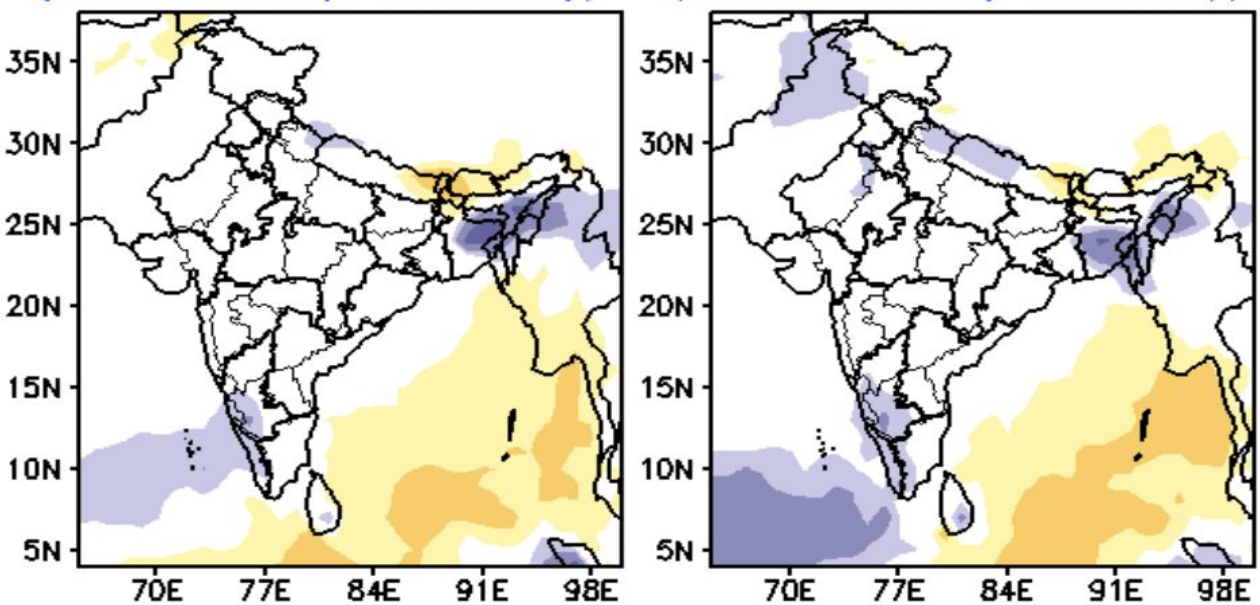
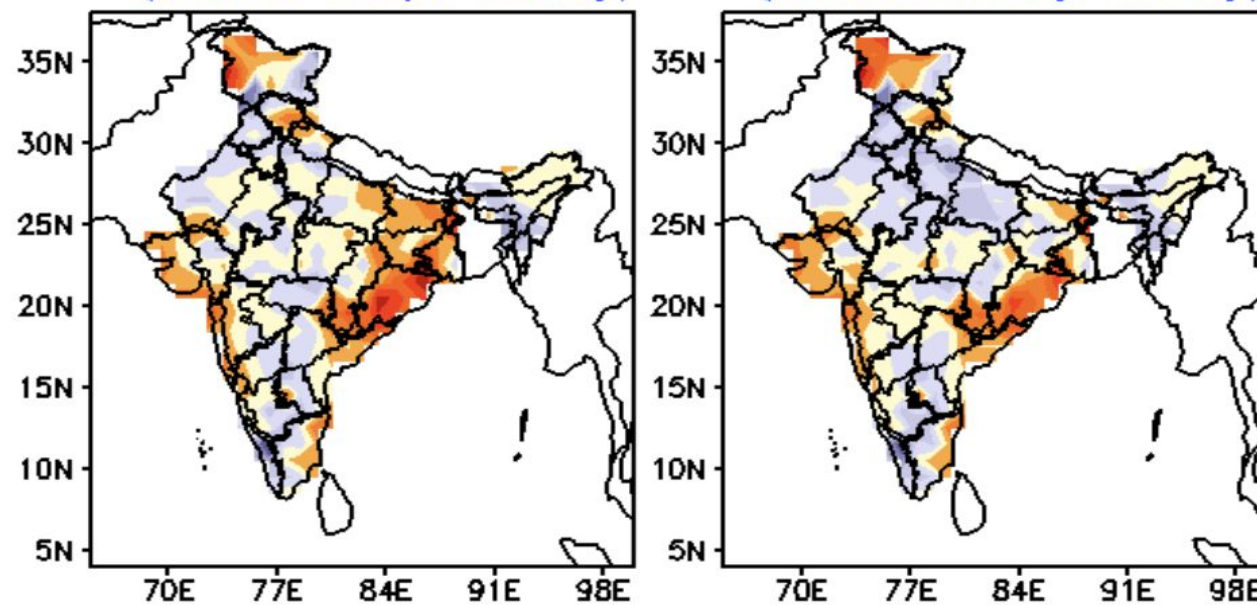


(Week3: 25Apr-01May)

(Week4: 02May-08May)

(Week3:00Z24Apr-00Z01May)

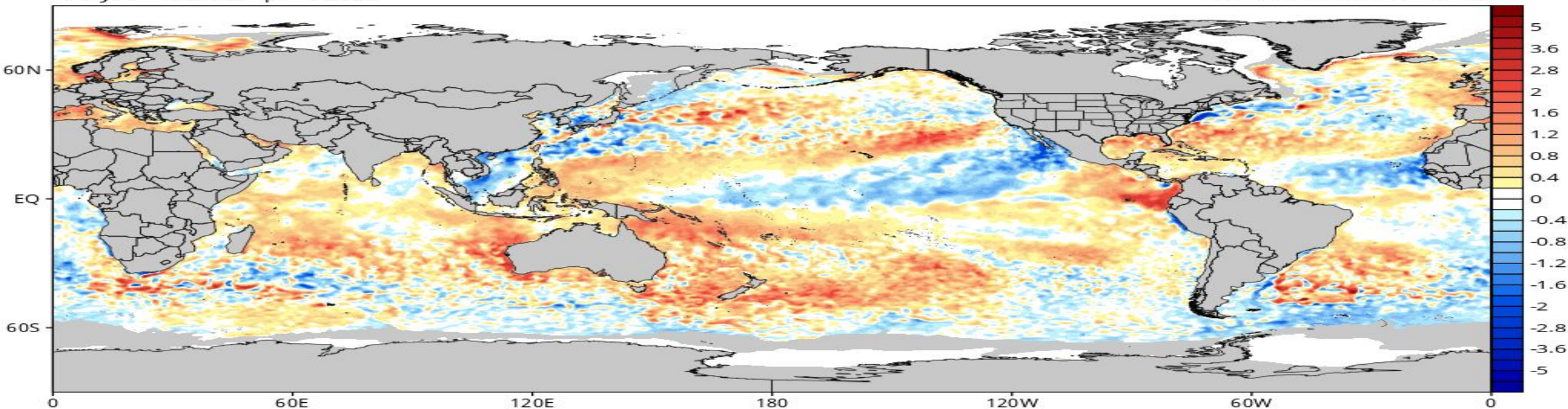
(Week4:00Z01May-00Z08May)



CDAS Sea Surface Temperature Anomaly ($^{\circ}\text{C}$) (based on CFSR 1981-2010 Climatology)

Analysis Time: 00z Apr 10 2025

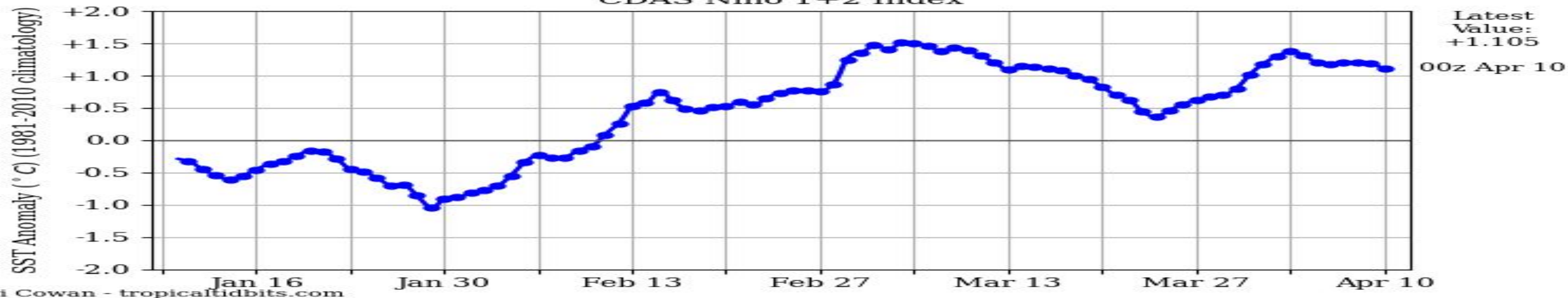
TROPICALTIDBITS.COM



CDAS Niño 3.4 Index



CDAS Niño 1+2 Index

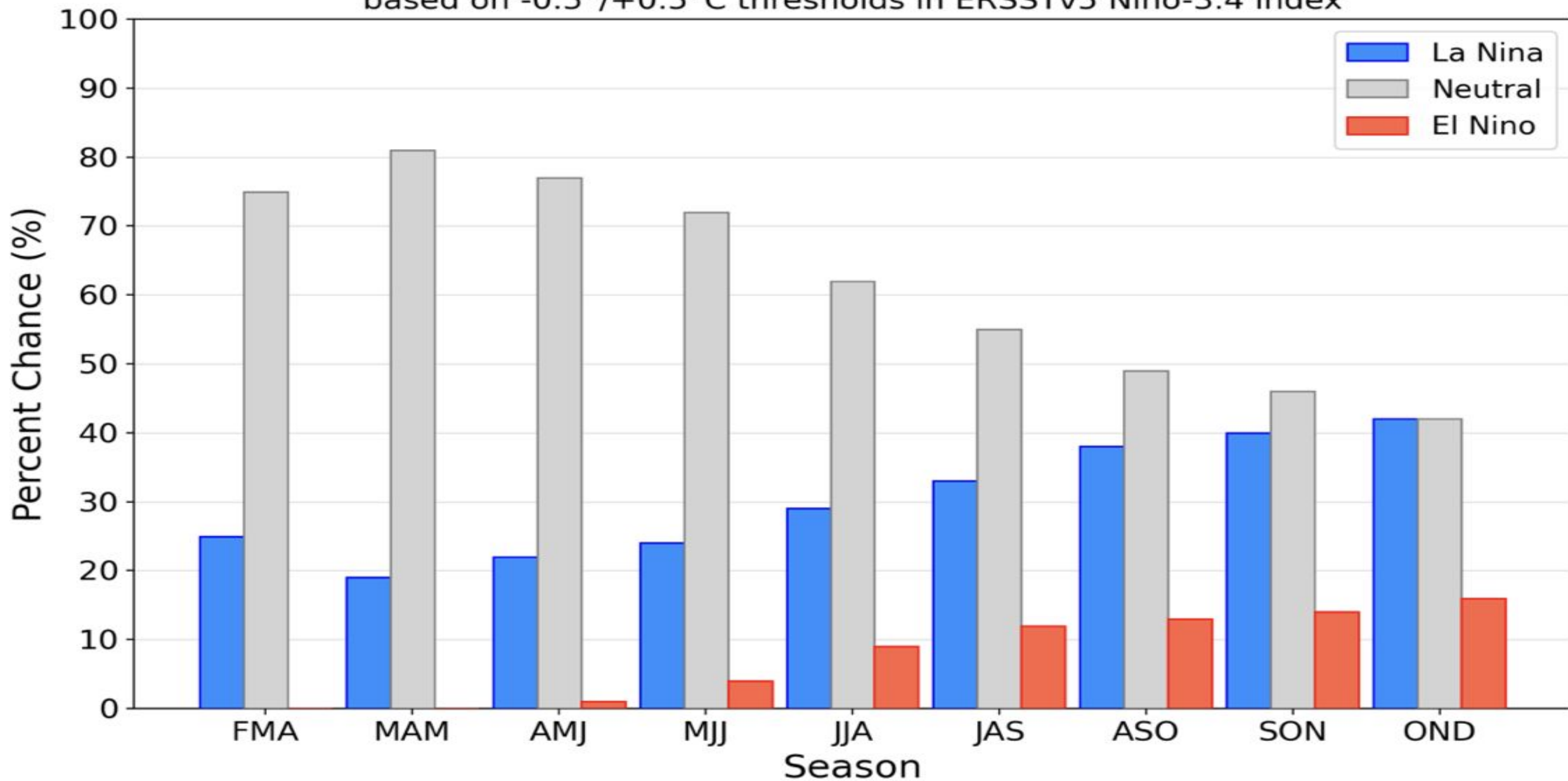


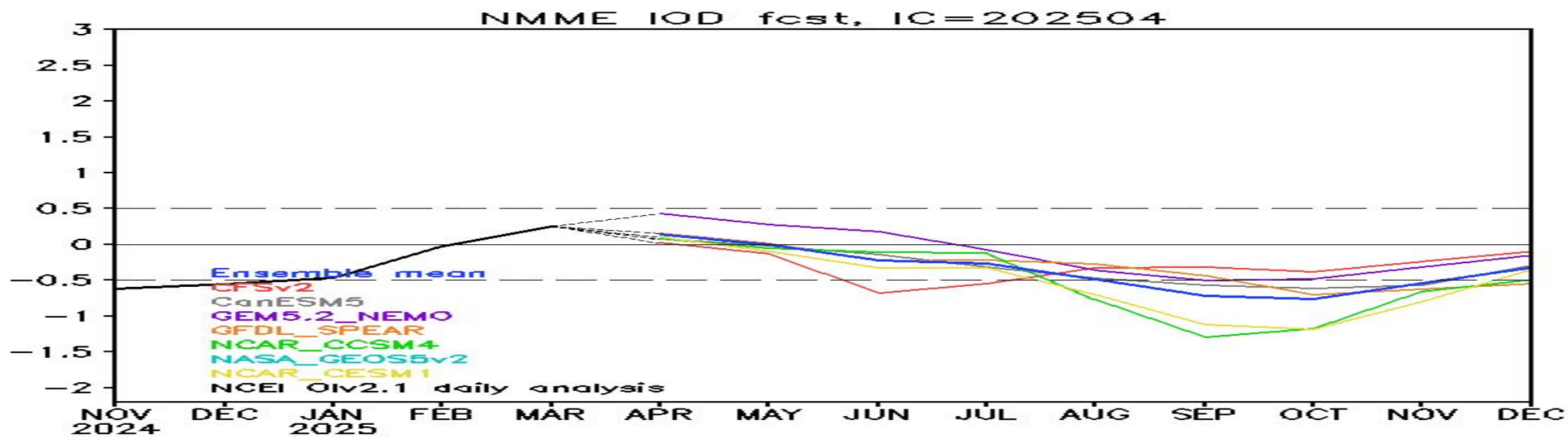
CDAS Niño 3 Index



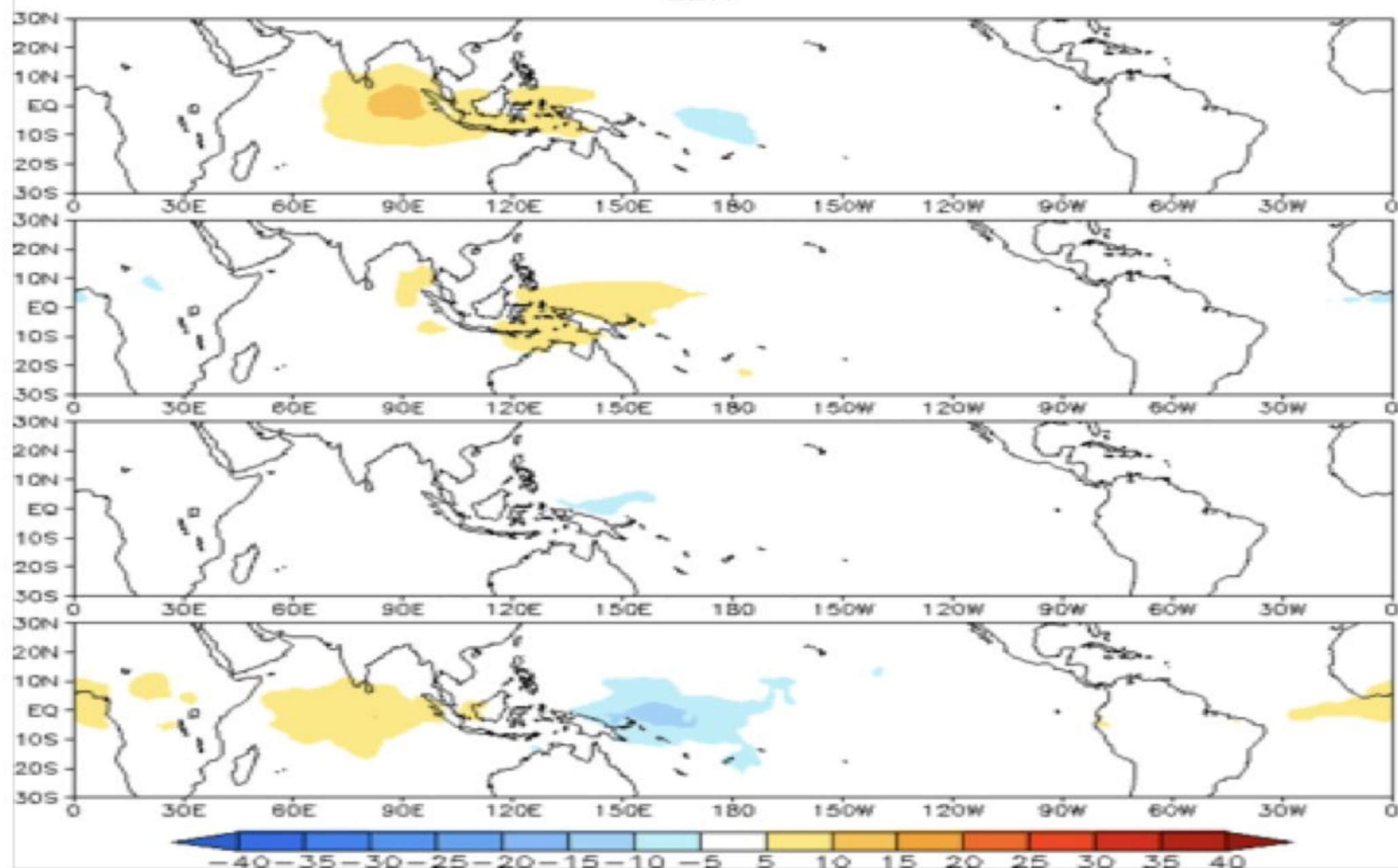
Official NOAA CPC ENSO Probabilities (issued March 2025)

based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index





Prediction of MJO-related anomalies using GEFS operational forecast
Initial date: 06 Apr 2025
OLR



Initial Date
(06 Apr 2025)

Days 1–5 Ave
Forecast

Days 6–10 Ave
Forecast

Days 11–15 Ave
Forecast

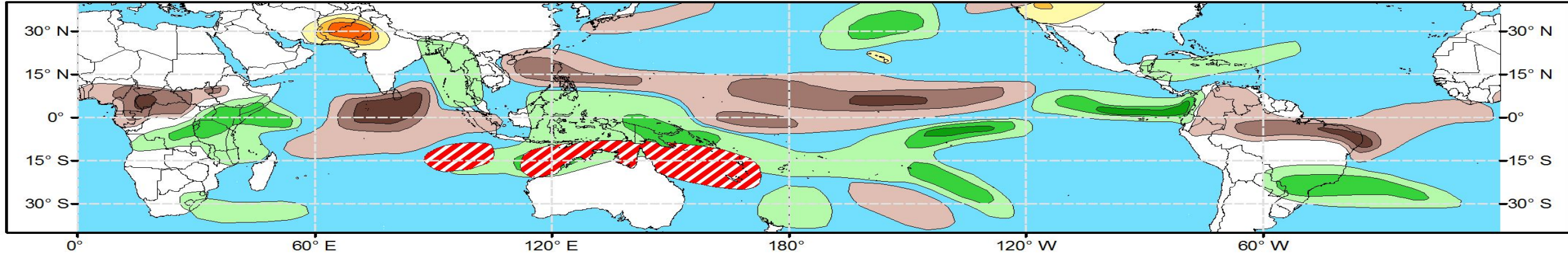


Global Tropics Hazards Outlook

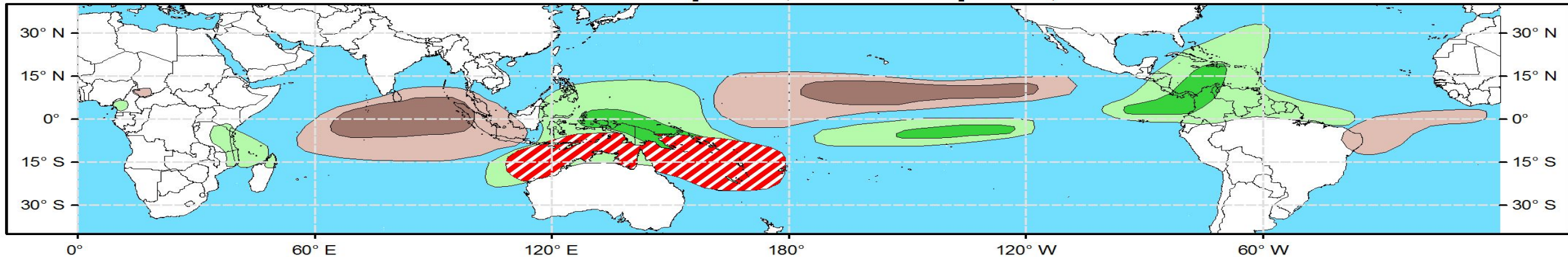
Climate Prediction Center



Week 2 - Valid: Apr 16, 2025 - Apr 22, 2025



Week 3 - Valid: Apr 23, 2025 - Apr 29, 2025



**Tropical Cyclone (TC)
Formation Probability**



>20% >40% >60%

*Tropical Depression (TD)
or greater strength*

**Above-Average
Rainfall Probability**



>50% >65% >80%

*Weekly total rainfall in the
Upper third of the historical range*

**Below-Average
Rainfall Probability**



>50% >65% >80%

*Weekly total rainfall in the
Lower third of the historical range*

**Above-Average
Temperatures Probability**



>50% >65% >80%

*7-day max temperatures in the
Upper third of the historical range*

**Below-Average
Temperatures Probability**



>50% >65% >80%

*7-day min temperatures in the
Lower third of the historical range*

**Issued: 04/08/2025
Forecaster: Novella**

**This product is updated once per week and targets broad scale conditions integrated over a 7-day period for US interests only.
Consult your local responsible forecast agency.**