

☒ Day 3 (08:30 IST 13/1/2025 - 08:30 IST 16/1/2025)

☐ Day 4 (08:30 IST 12/1/2025 - 08:30 IST 16/1/2025)

☐ Day 5 (08:30 IST 11/1/2025 - 08:30 IST 16/1/2025)

☐ Day 6 (08:30 IST 10/1/2025 - 08:30 IST 16/1/2025)

☐ Day 7 (08:30 IST 09/1/2025 - 08:30 IST 16/1/2025)

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 13/1/2025 - 08:30 IST 16/1/2025)

☐ Day 4 (08:30 IST 12/1/2025 - 08:30 IST 16/1/2025)

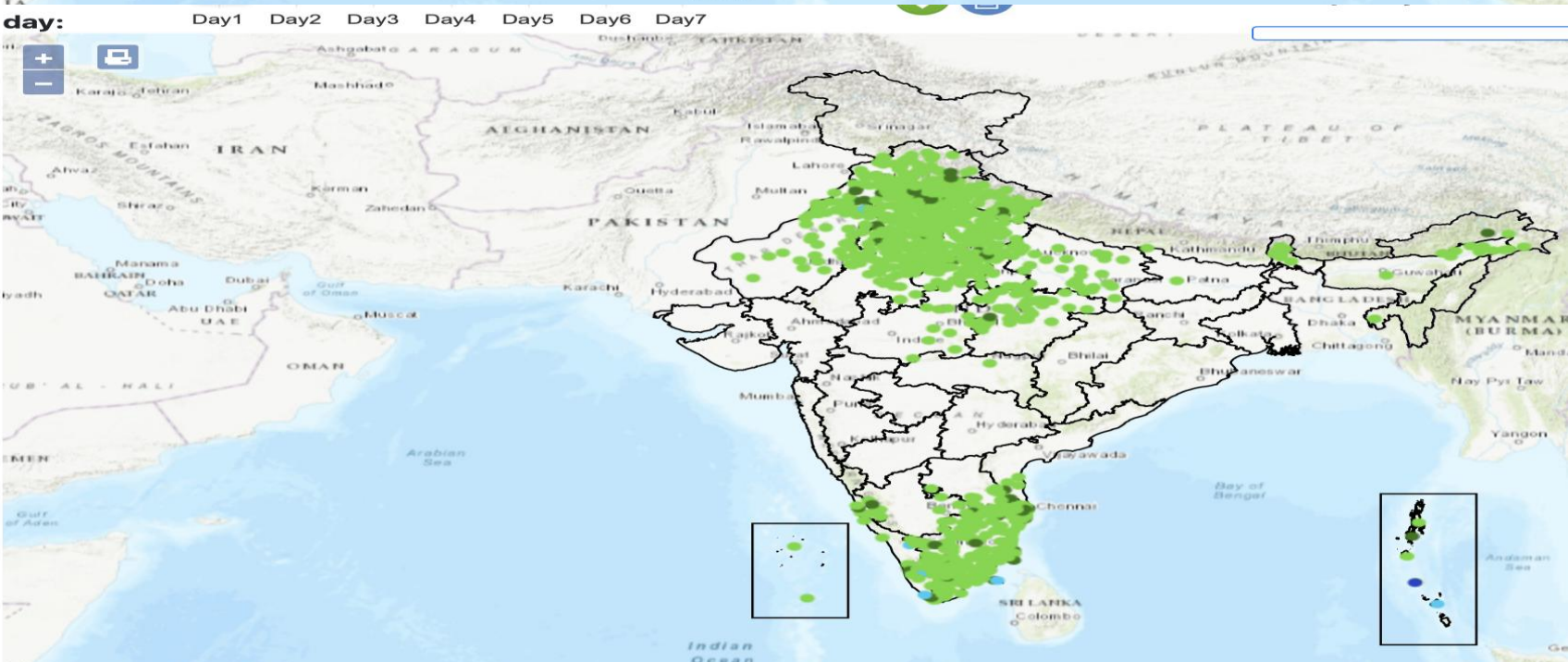
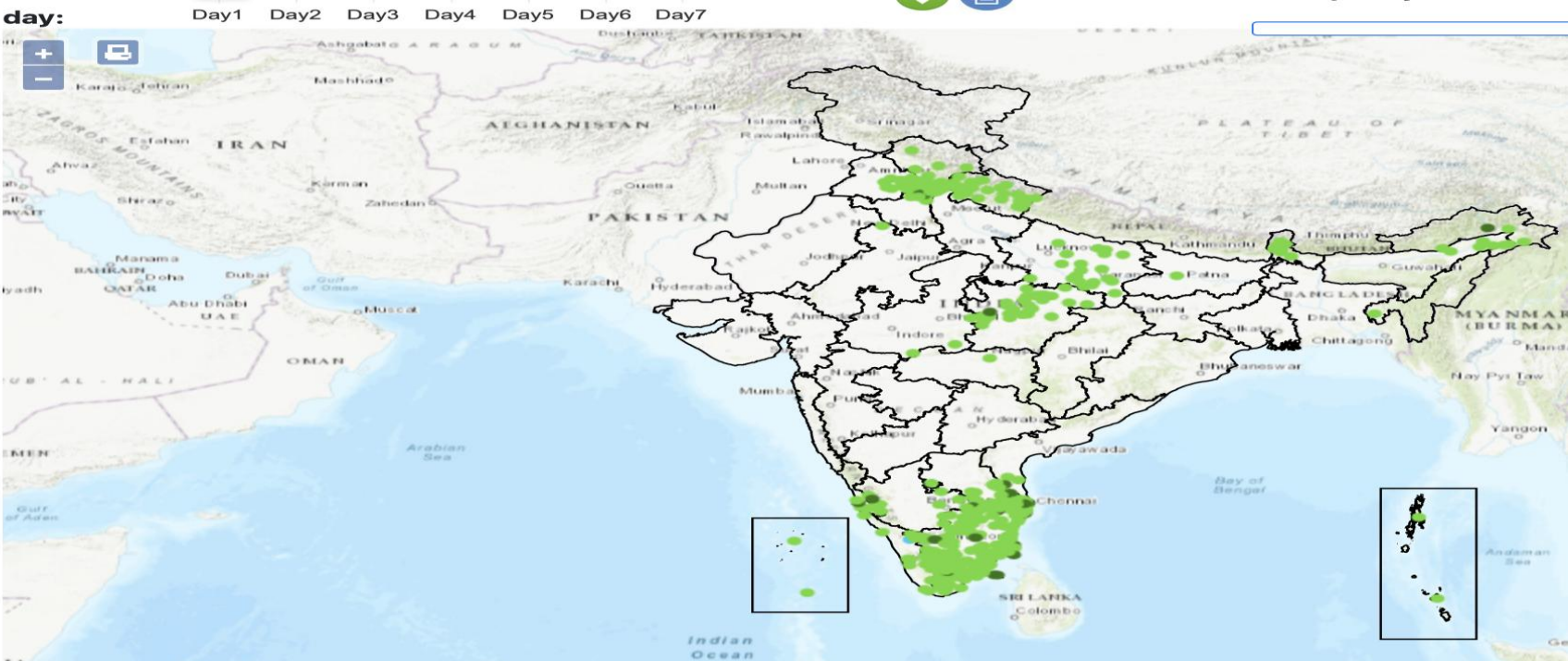
☐ Day 5 (08:30 IST 11/1/2025 - 08:30 IST 16/1/2025)

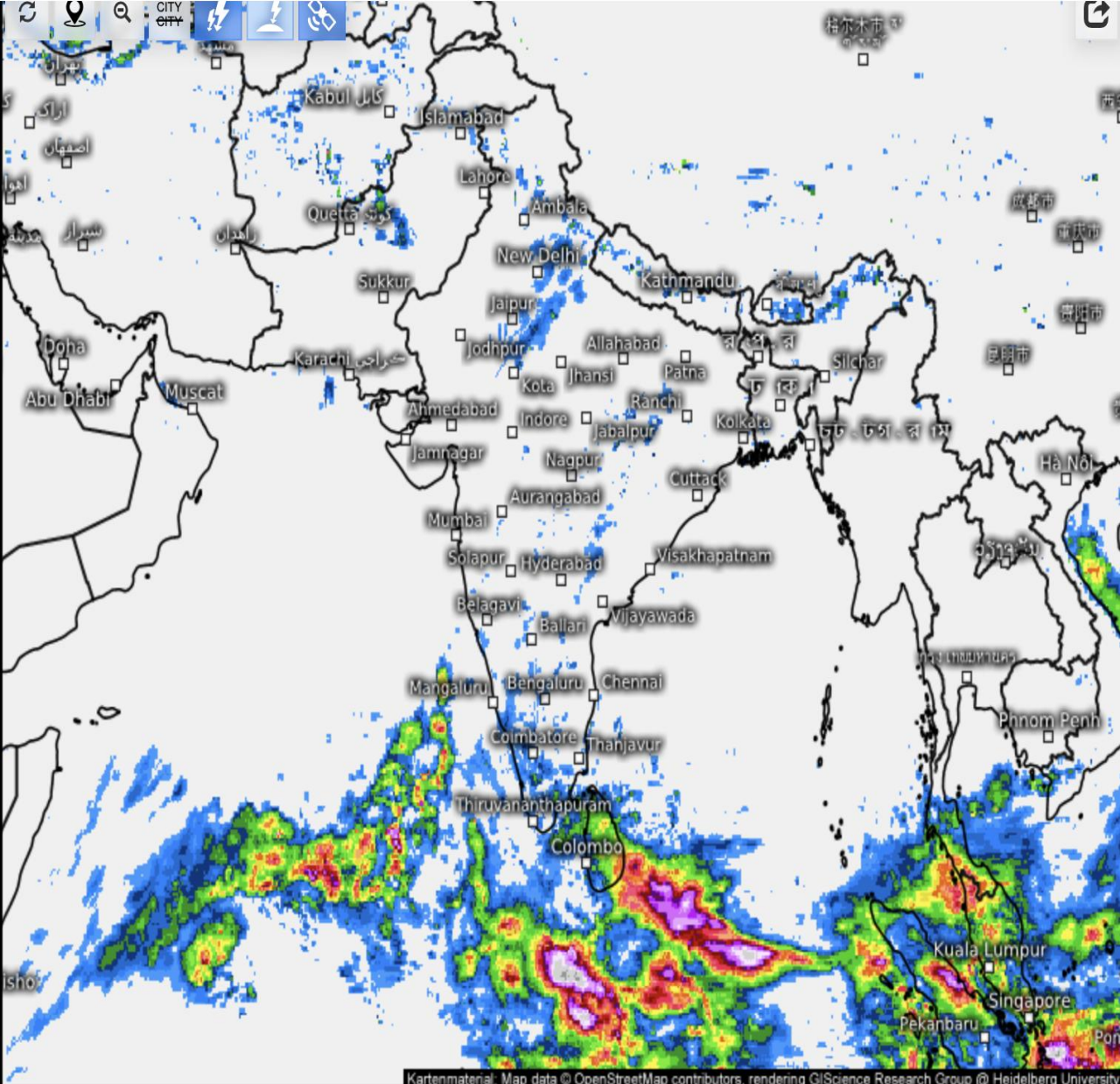
☐ Day 6 (08:30 IST 10/1/2025 - 08:30 IST 16/1/2025)

☒ Day 7 (08:30 IST 09/1/2025 - 08:30 IST 16/1/2025)

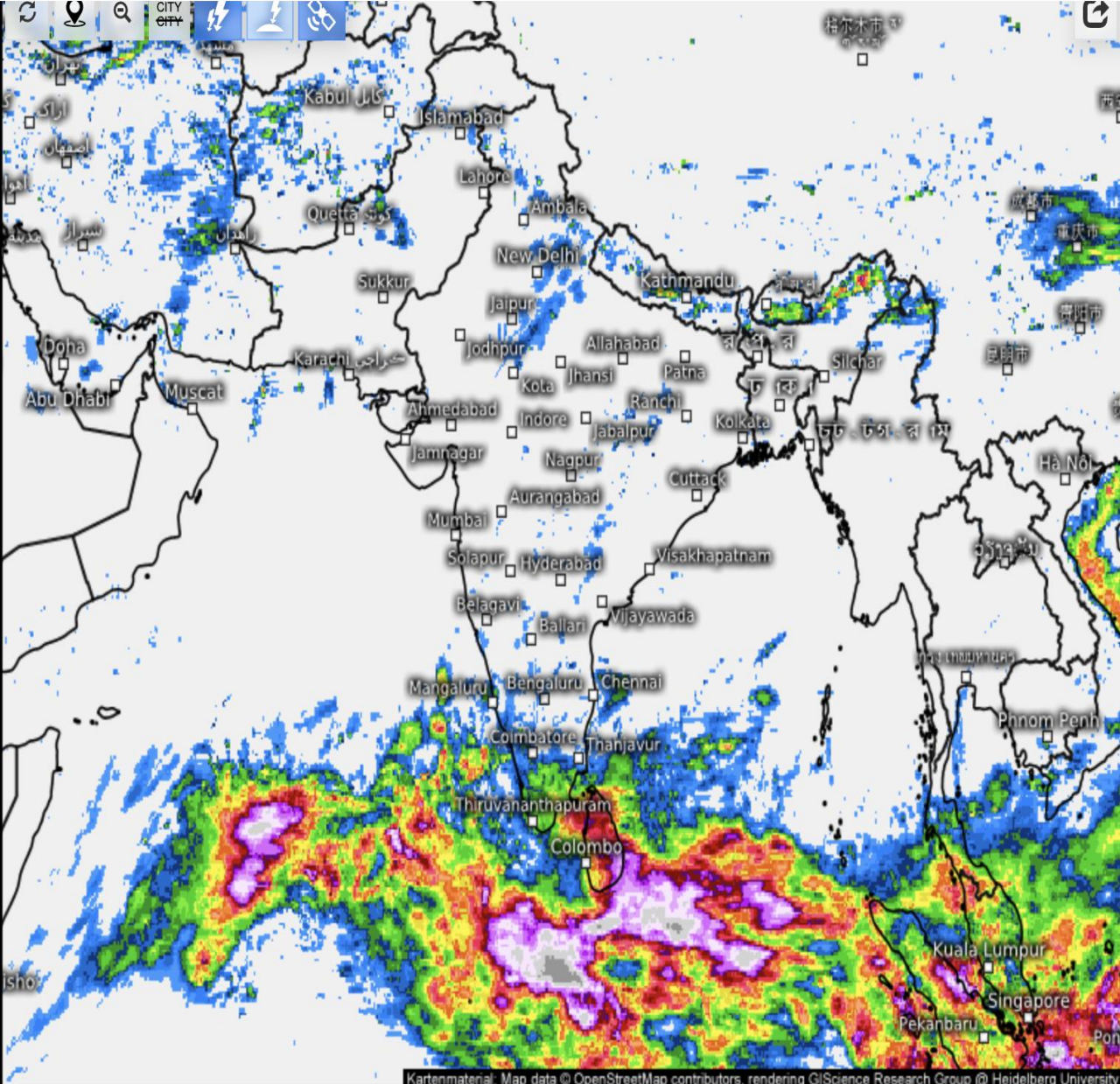
Legend: (Rainfall in mm)

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





Kartenmaterial: Map data © OpenStreetMap contributors, rendering GIScience Research Group @ Heidelberg University



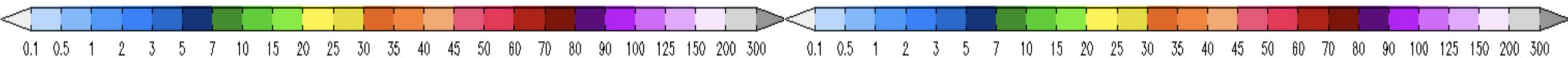
Kartenmaterial: Map data © OpenStreetMap contributors, rendering GIScience Research Group @ Heidelberg University

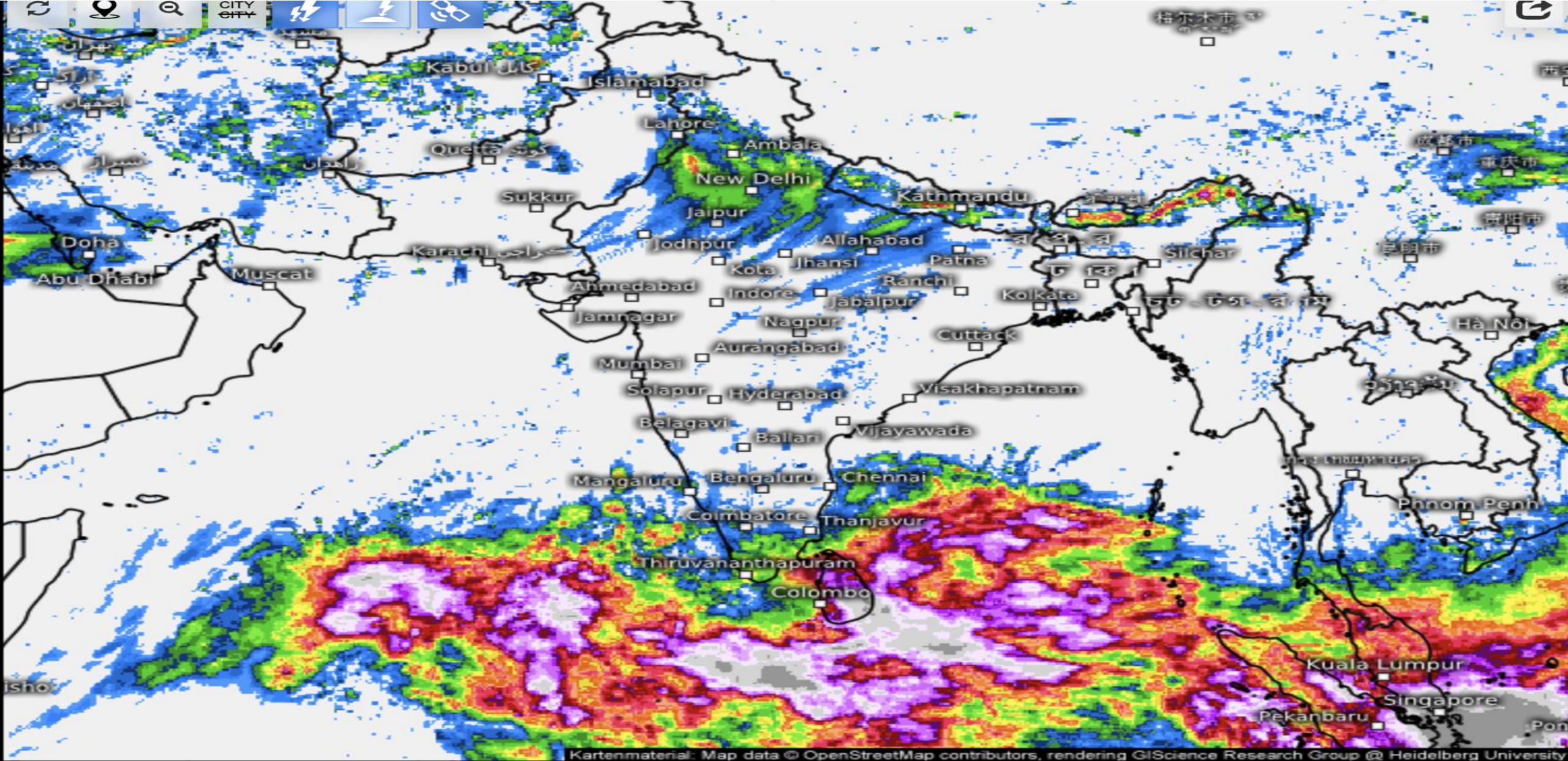
Accumulated Precipitation, 24h (Satellite) (mm) ⓘ

Thu 01/16/2025, 05:30am IST

Accumulated Precipitation, 72h (Satellite) (mm) ⓘ

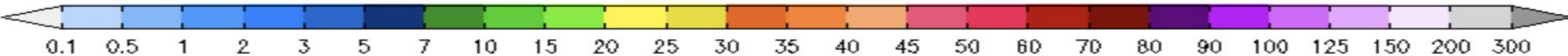
Thu 01/16/2025, 05:30am IST





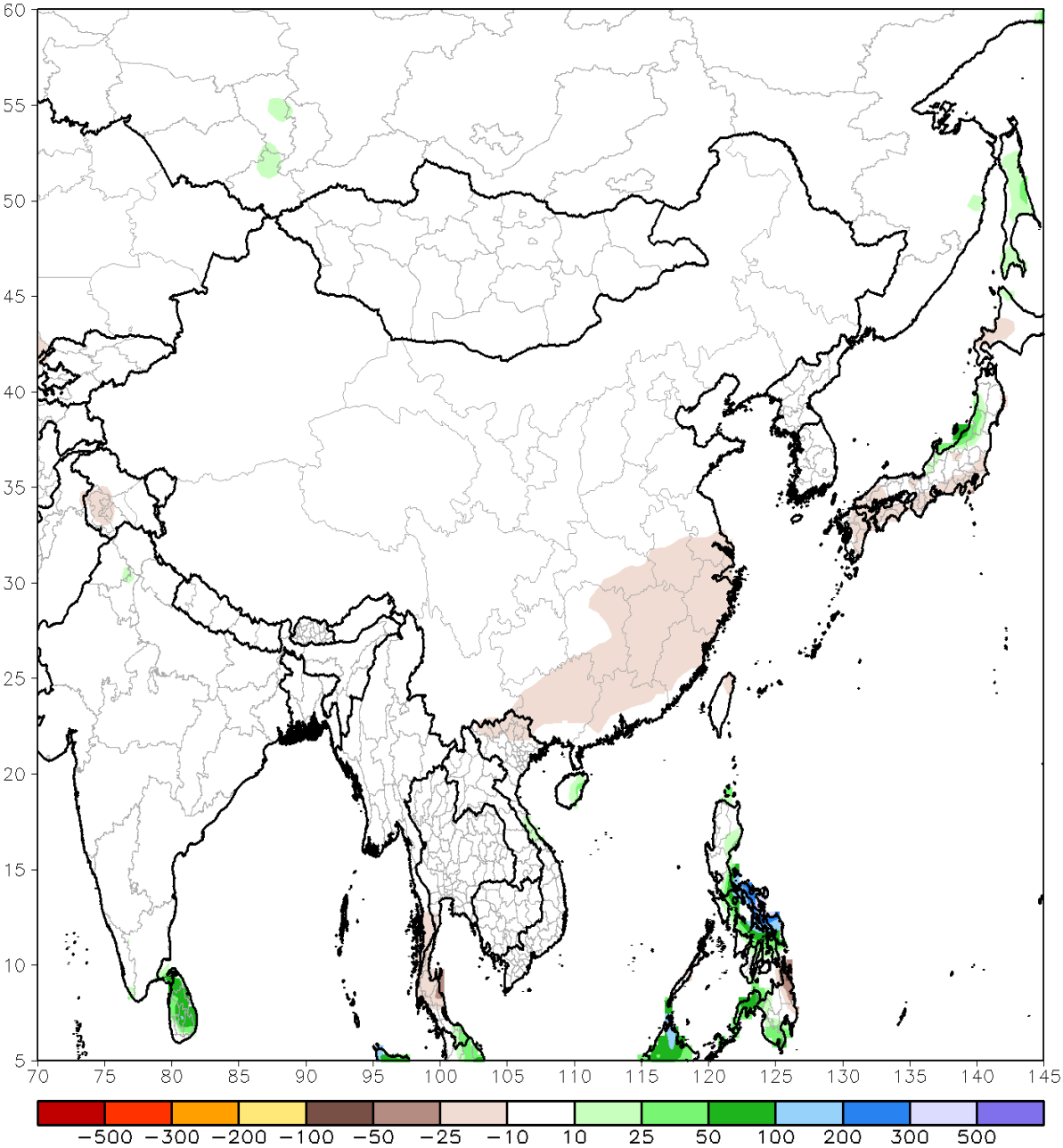
Accumulated Precipitation, 7 days (Satellite) (mm) 

Thu 01/16/2025, 05:30am IST



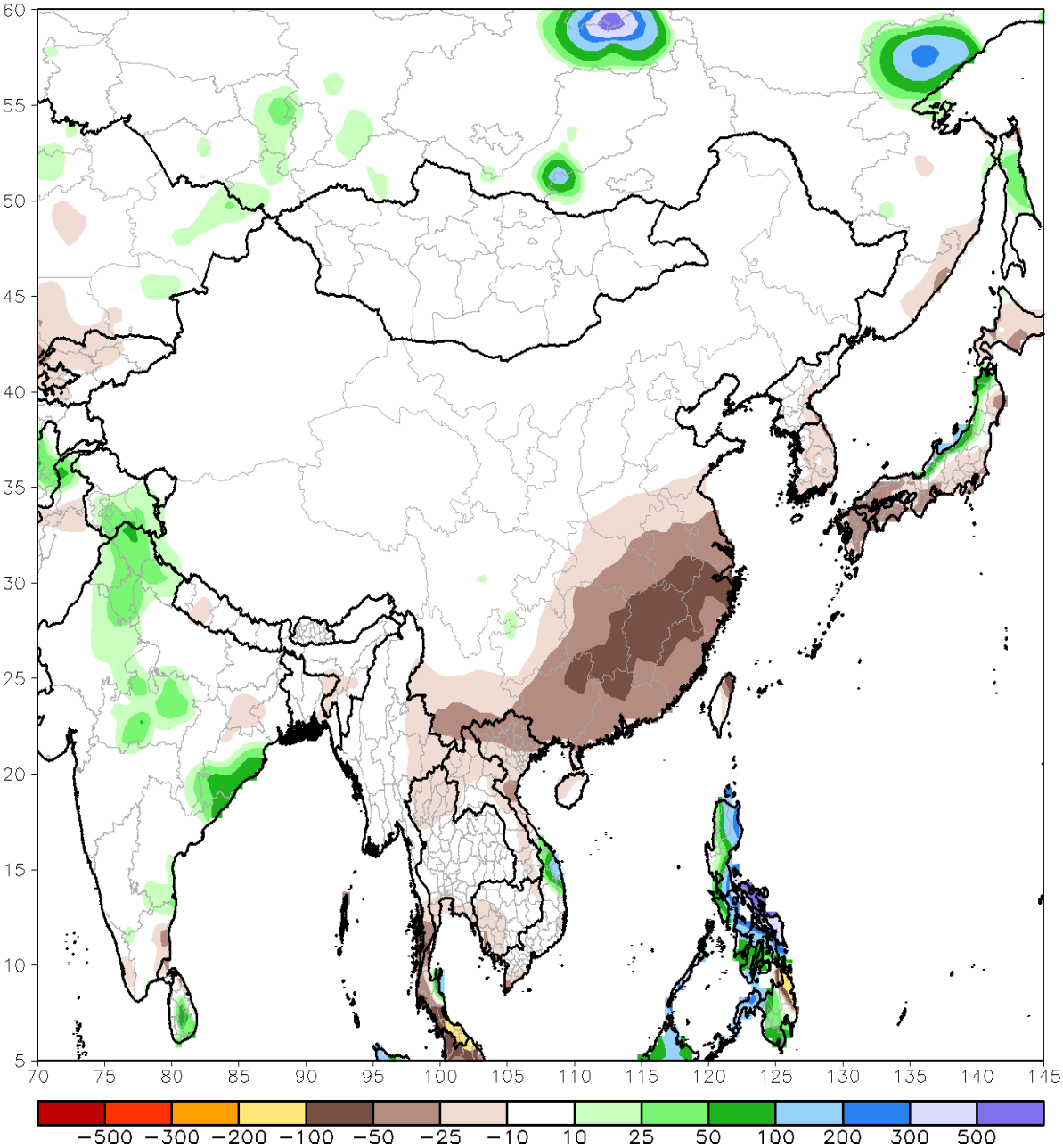
CPC Unified Gauge 7-Day Total Rainfall Anomaly (mm)

Period: 08Jan2025 - 14Jan2025

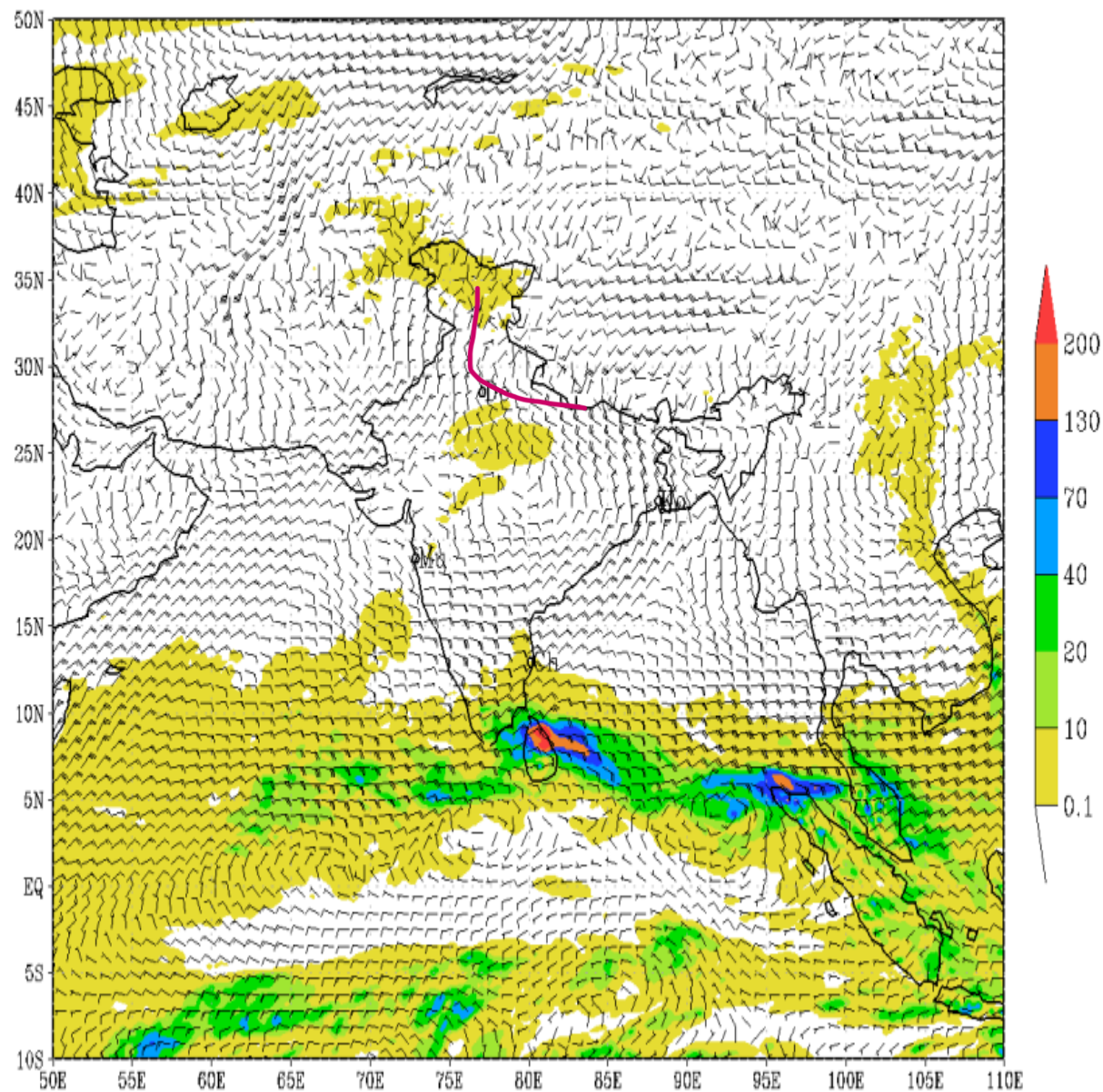


CPC Unified Gauge 30-Day Total Rainfall Anomaly (mm)

Period: 16Dec2024 - 14Jan2025

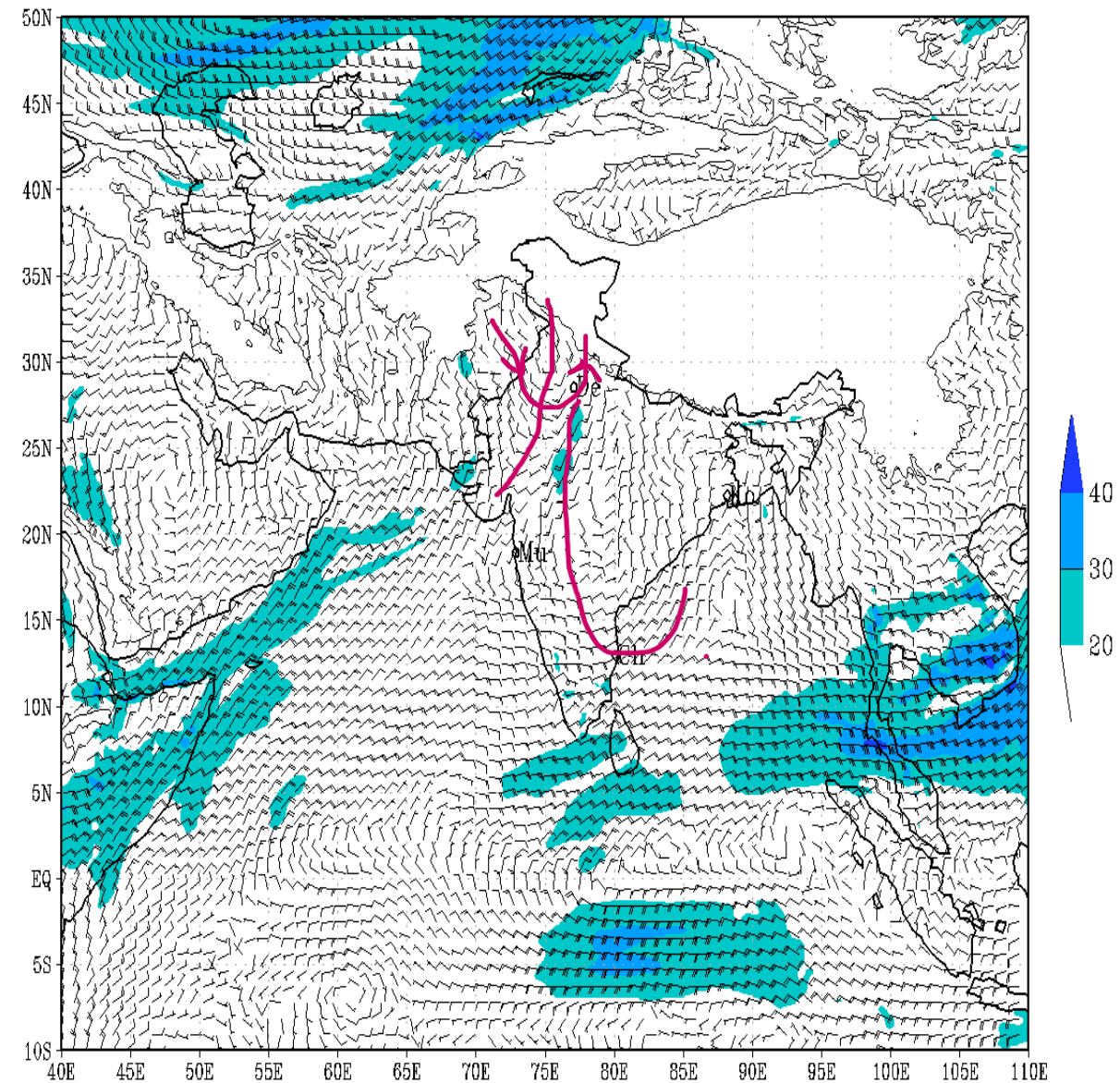


IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (168 HR)
based on 00 UTC of 09-01-2025 valid for 03 UTC of 16-01-2025

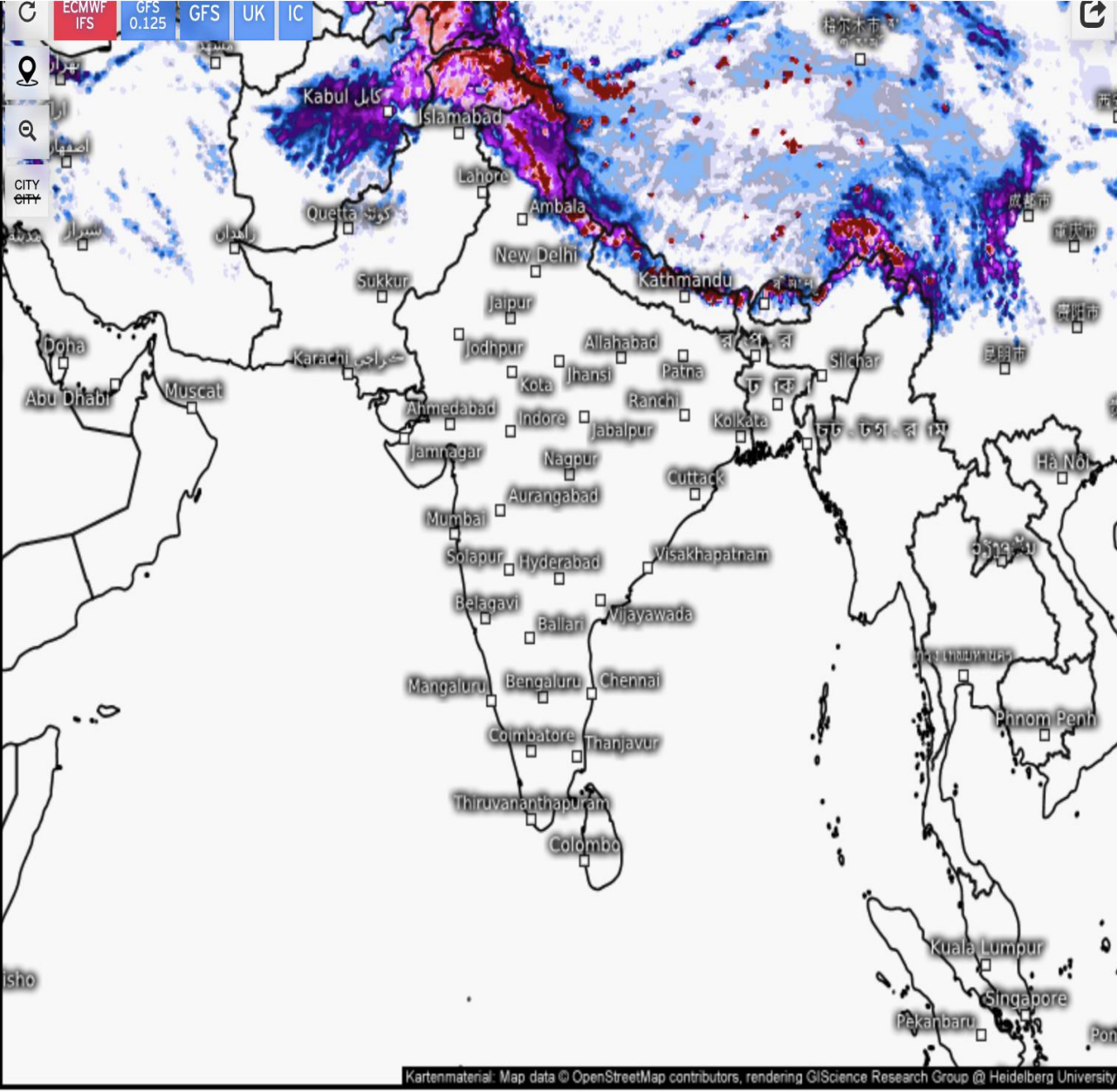
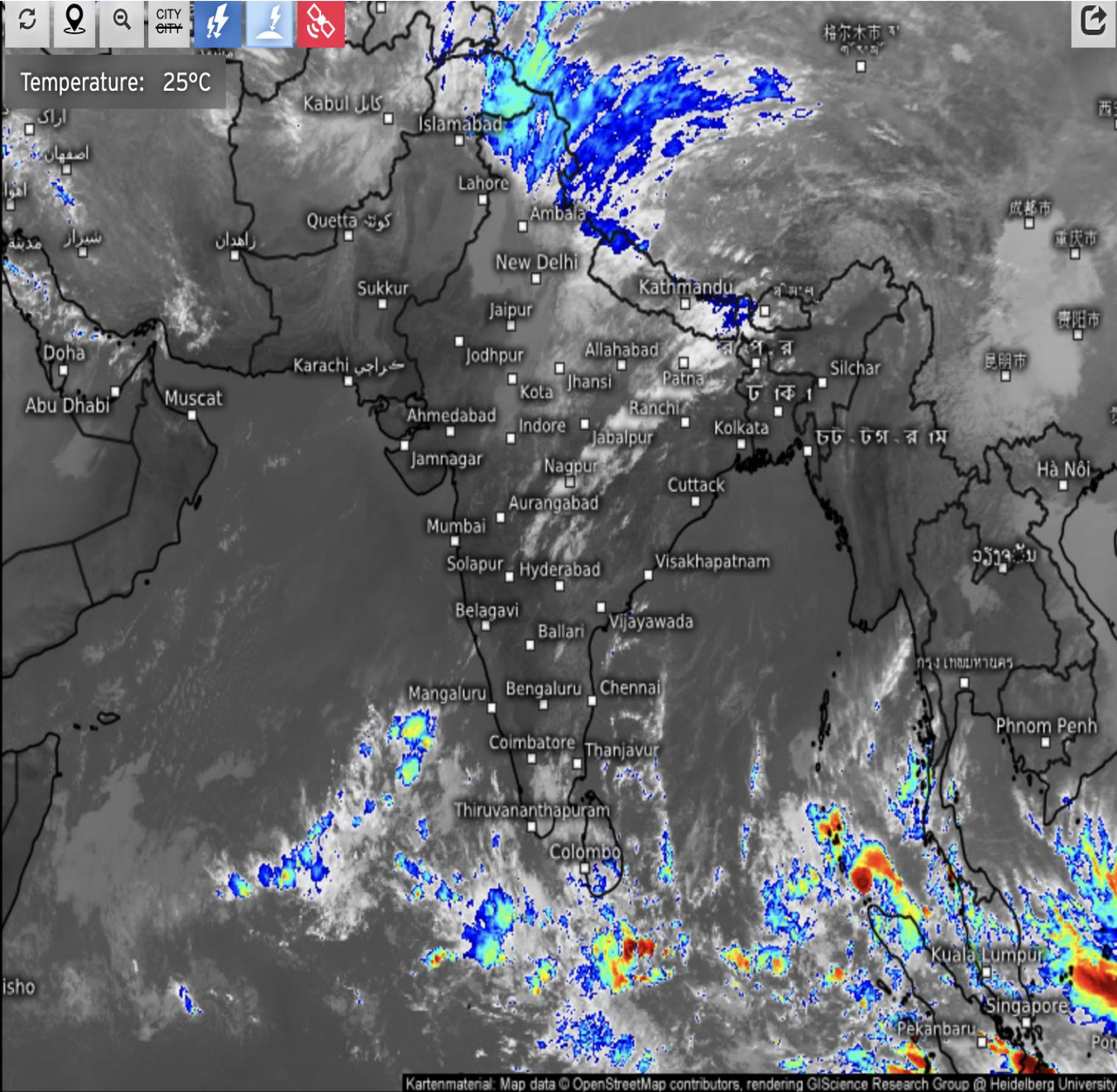


(Background does not depict political boundary)

IMD:GFS MODEL(12 Km) 850 hPa WIND (kt) FORECAST (00 HR)
based on 00 UTC of 16-01-2025 valid for 00 UTC of 16-01-2025

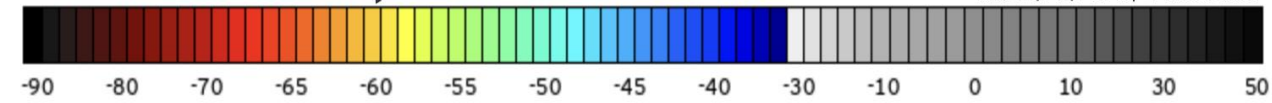


(Background does not depict political boundary)



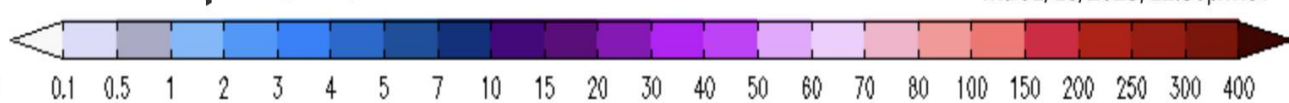
Satellite Cloud Tops Alert

Thu 01/16/2025, 11:30am IST

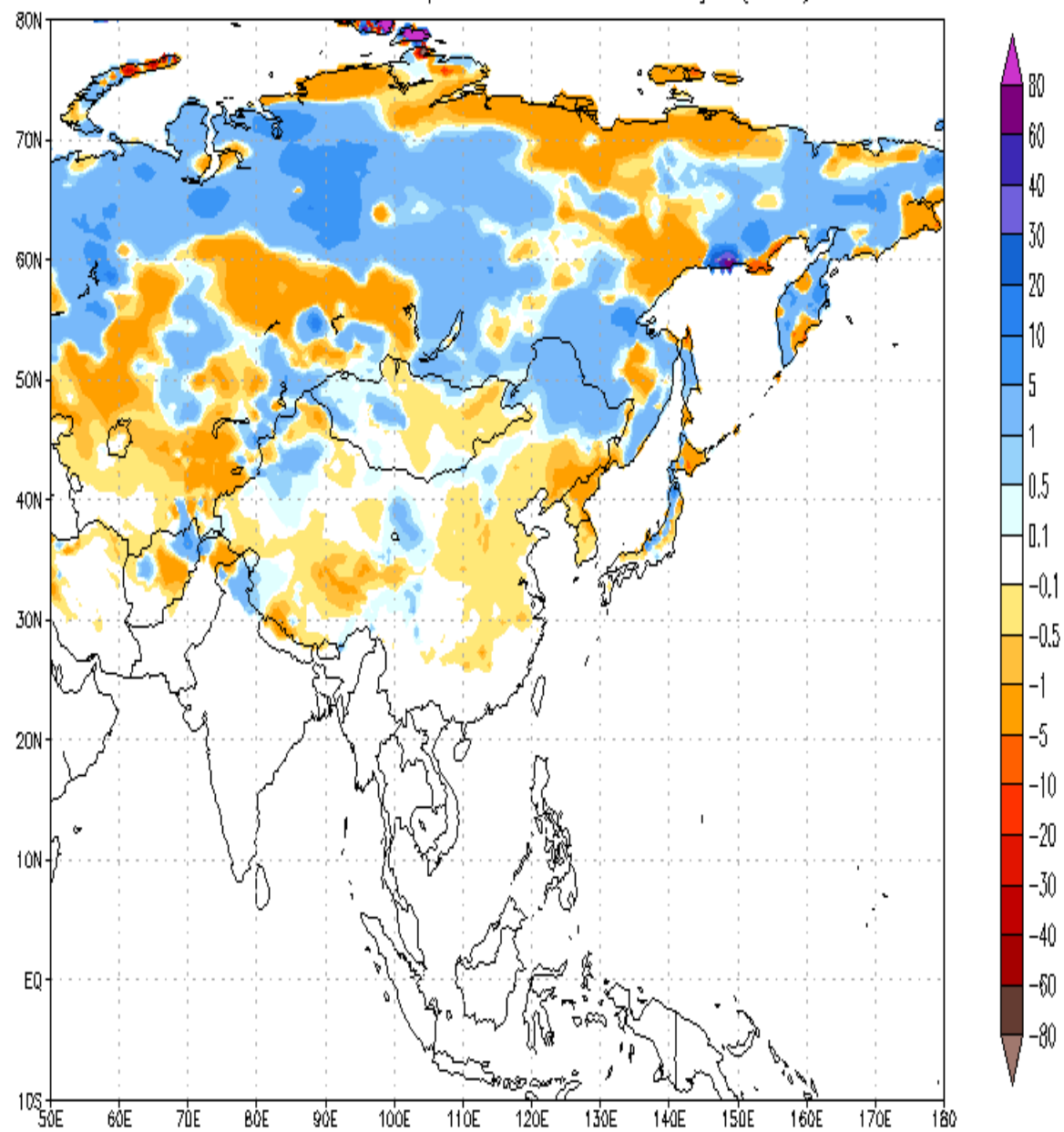


Snow depth (cm)

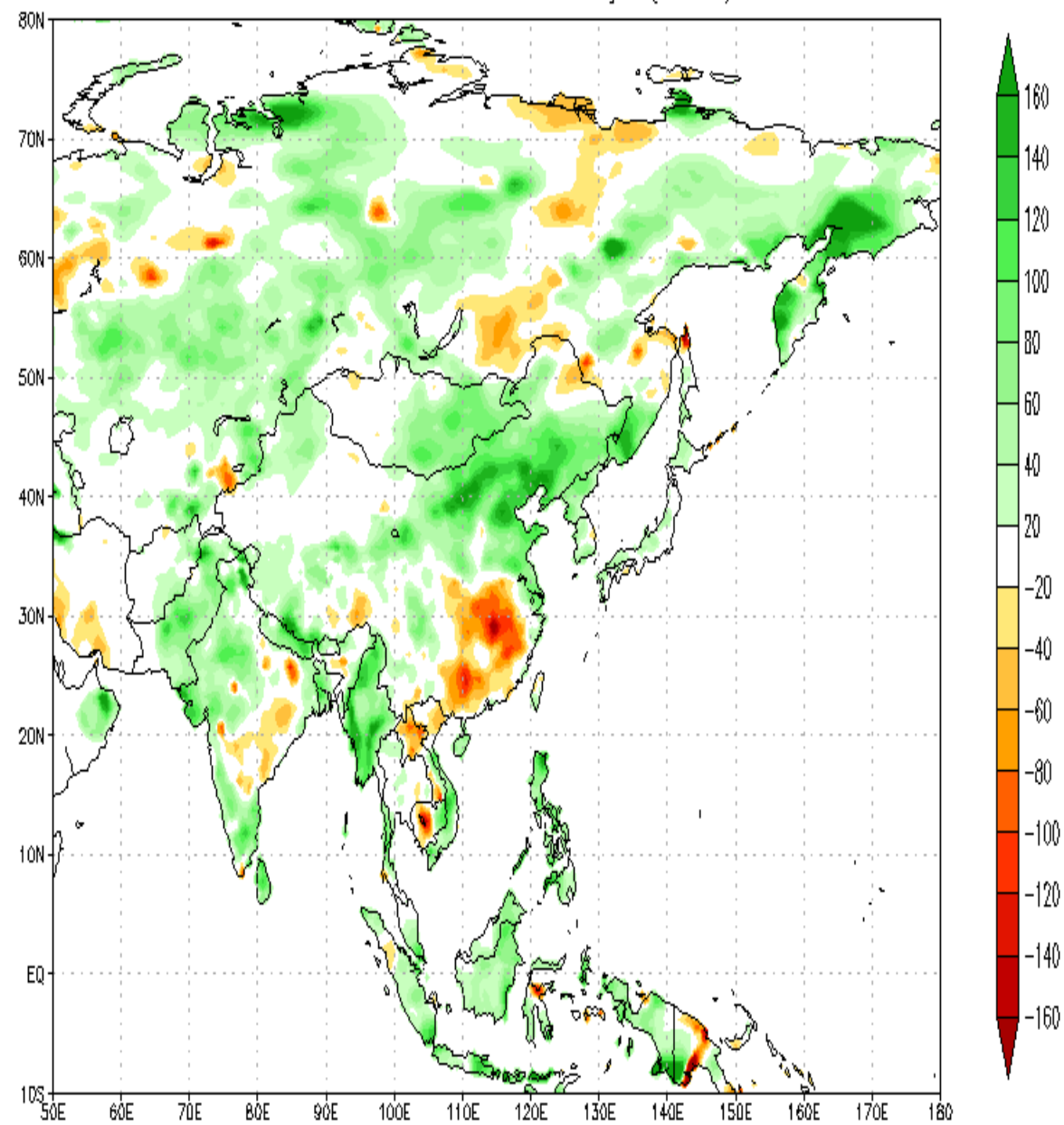
Valid for
Thu 01/16/2025, 12:30pm IST

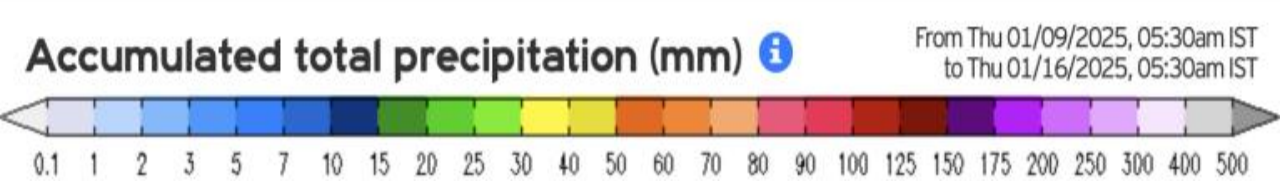
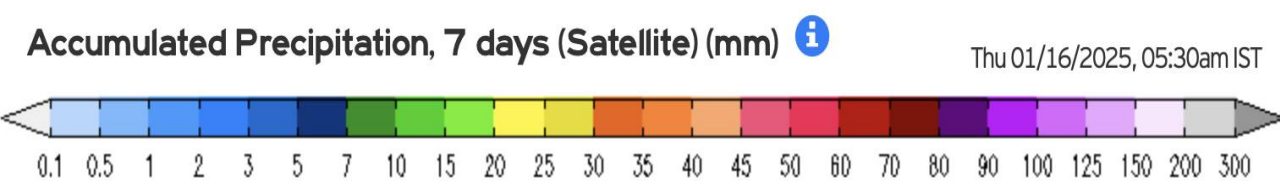
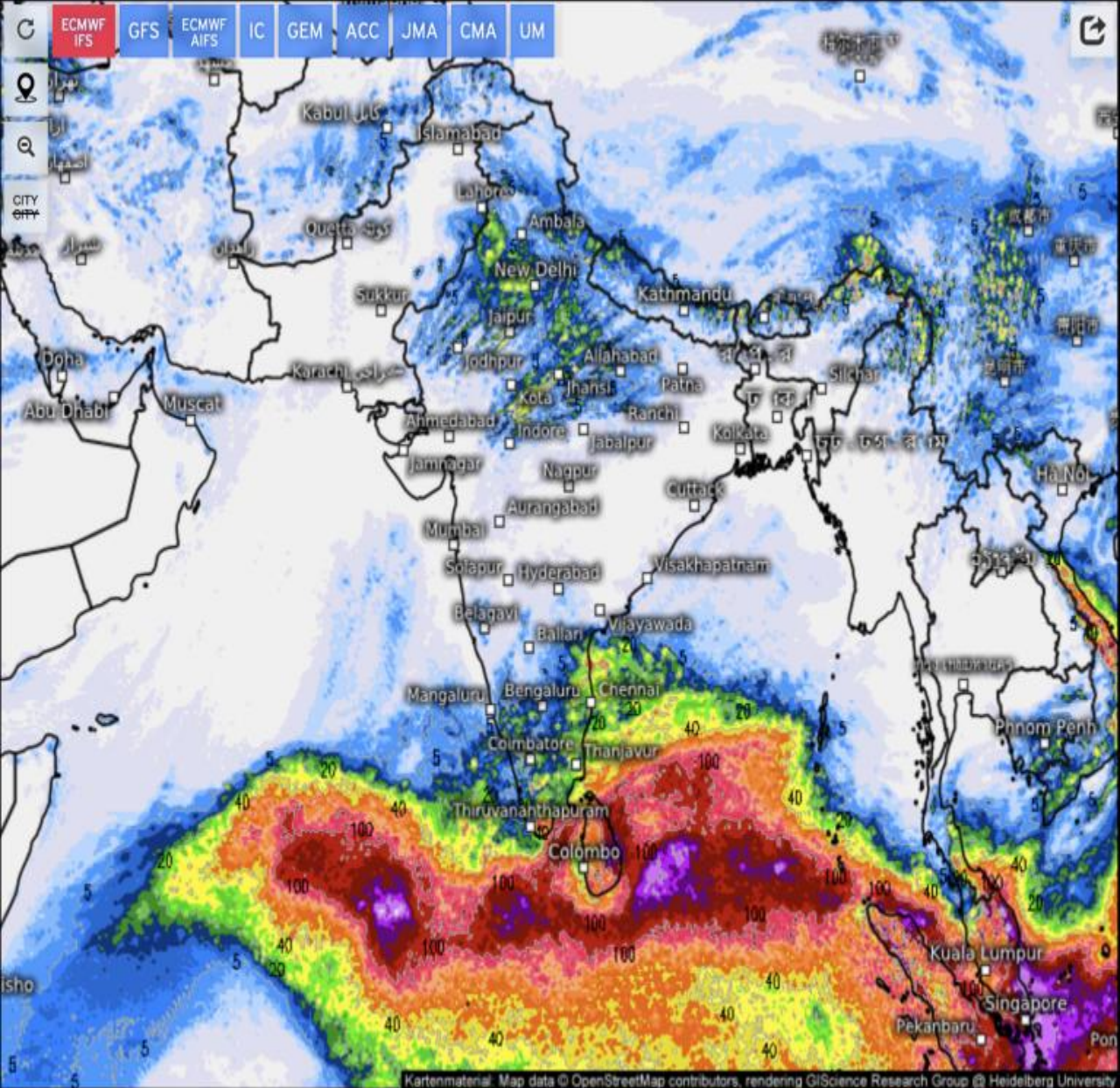
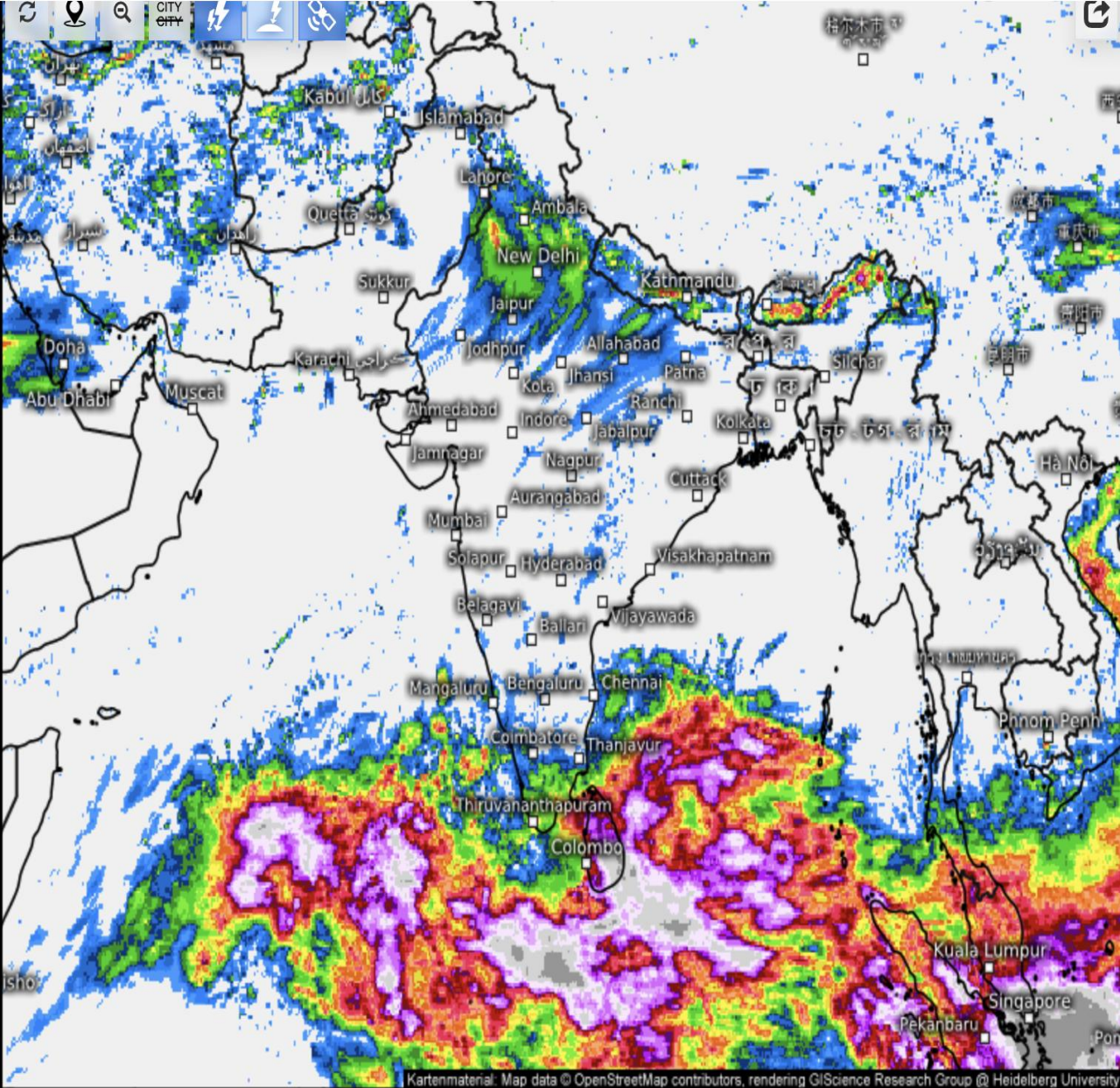


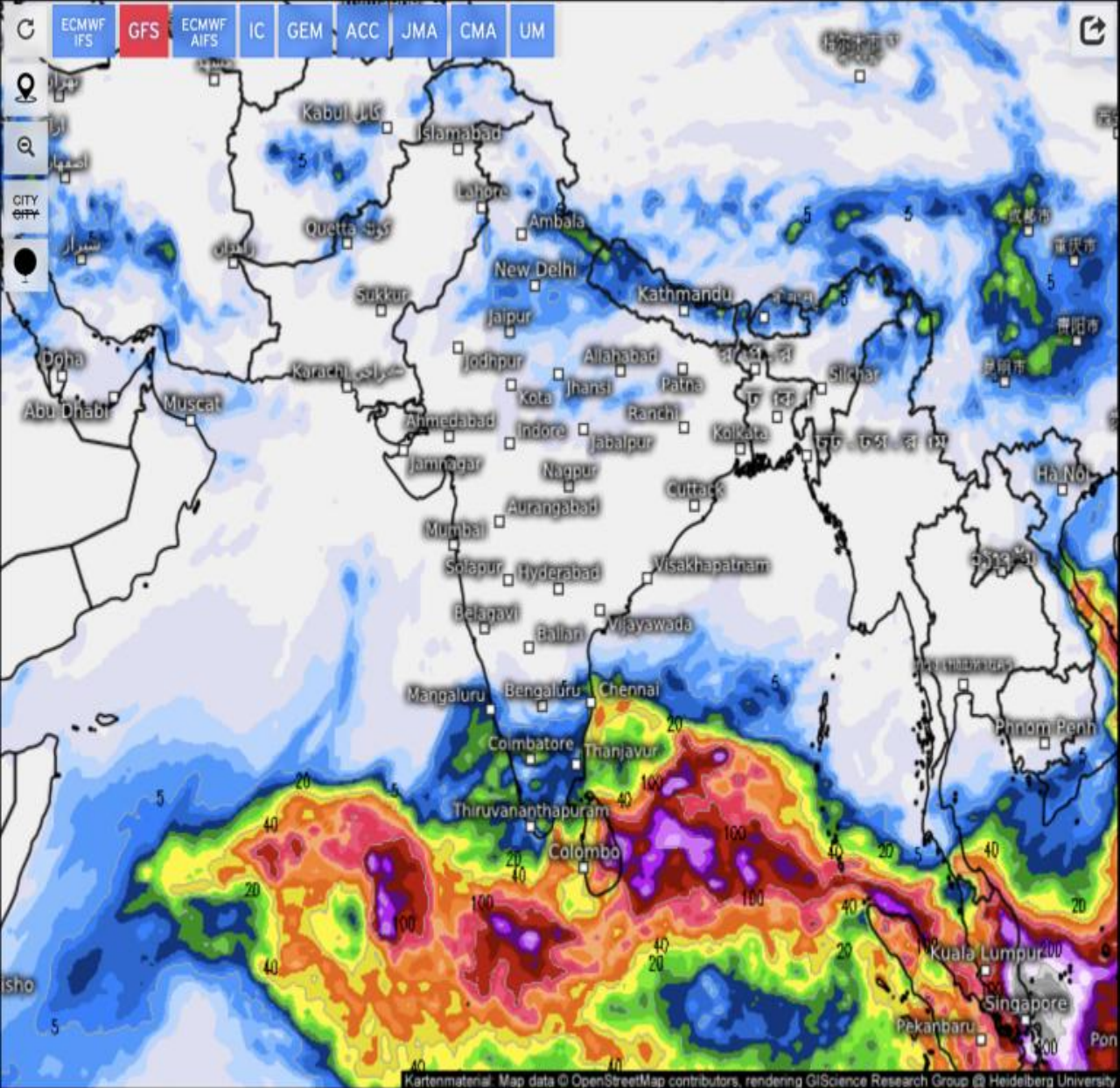
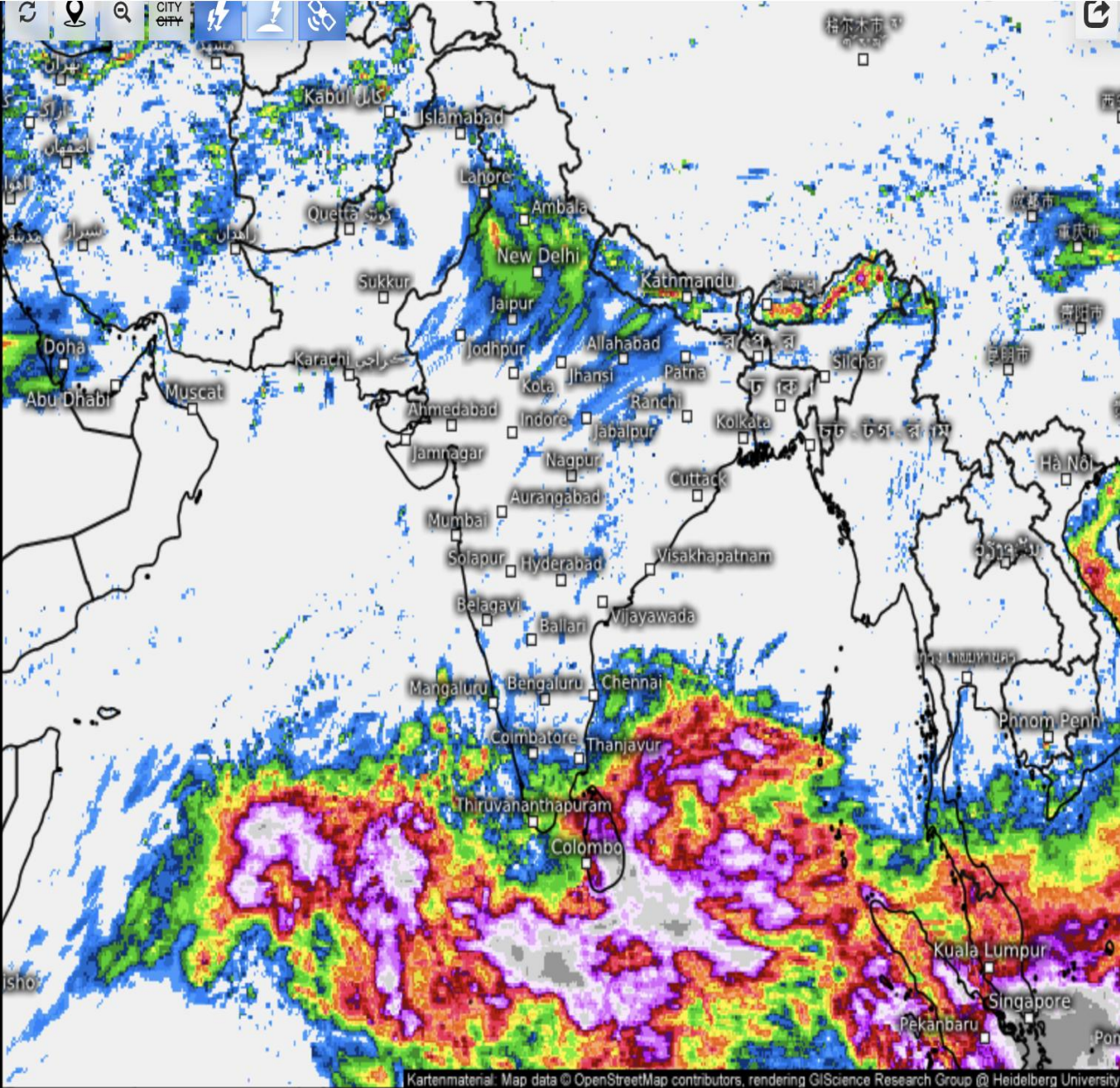
Calculated Snow Water Equivalent Anomaly (cm) 20250114



Calculated Soil Moisture Anomaly (mm) 20250114





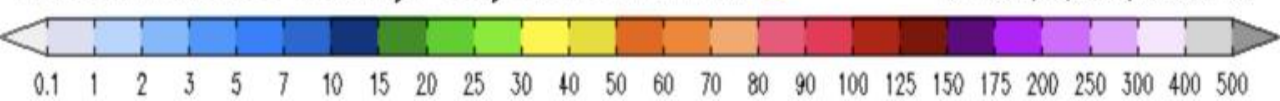
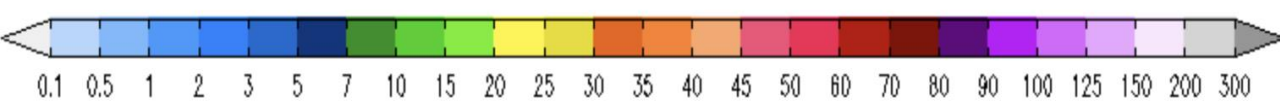


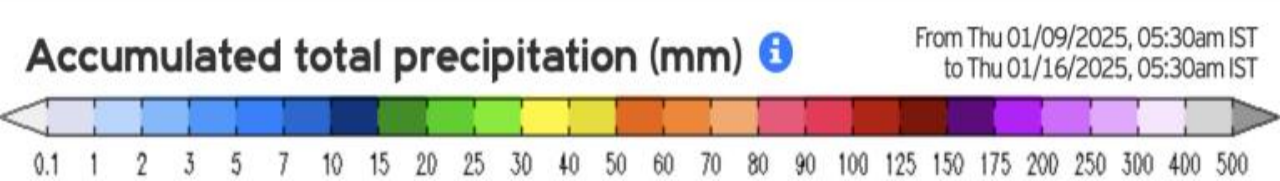
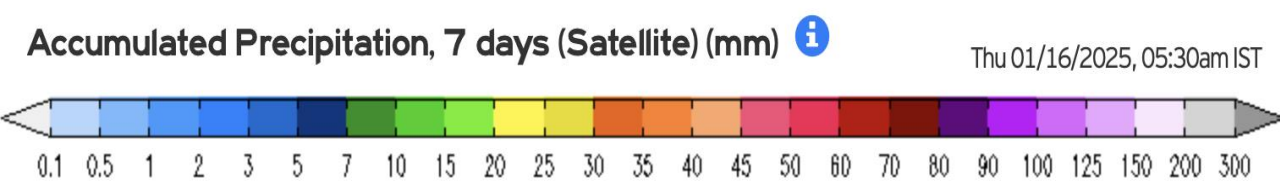
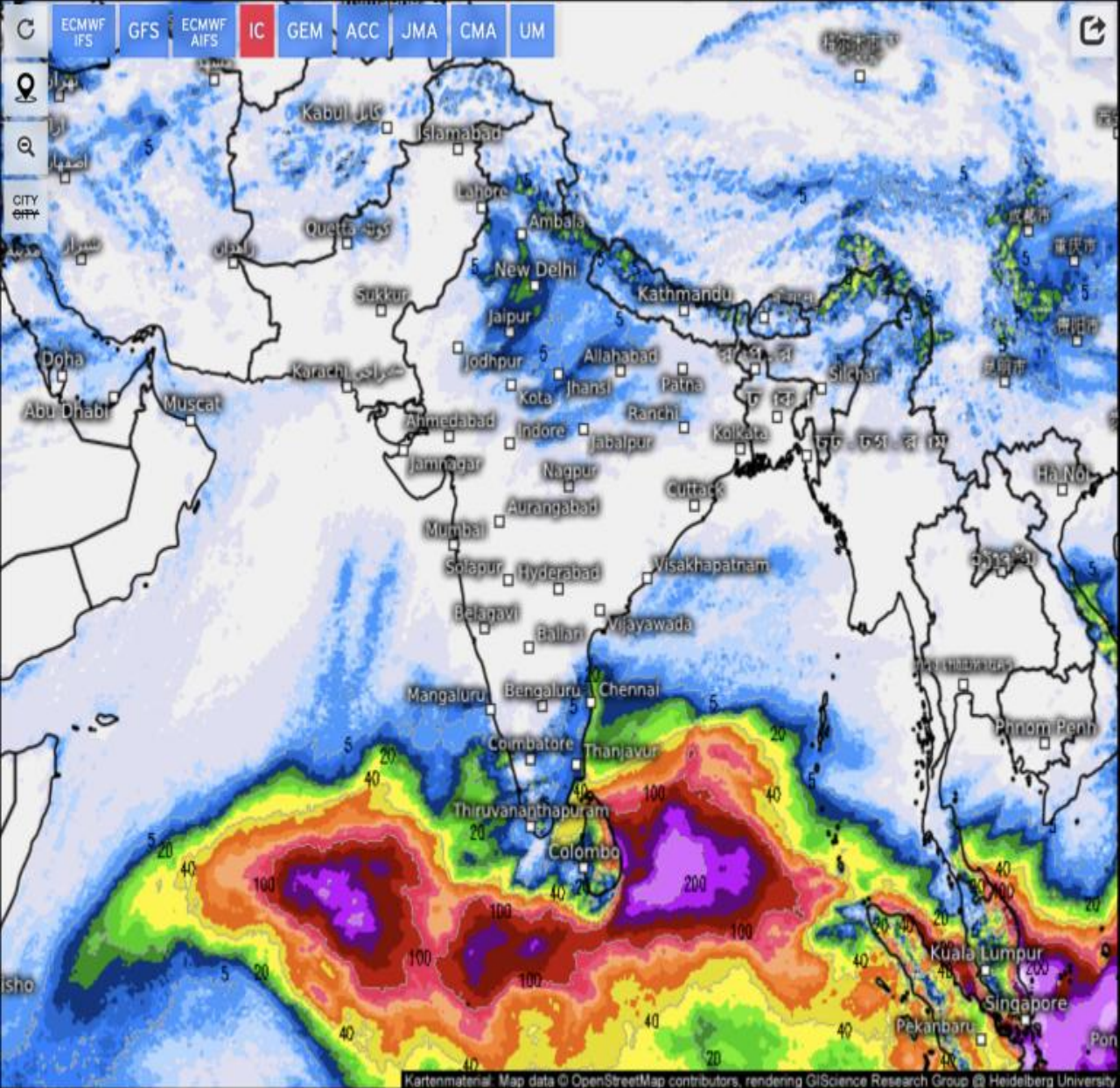
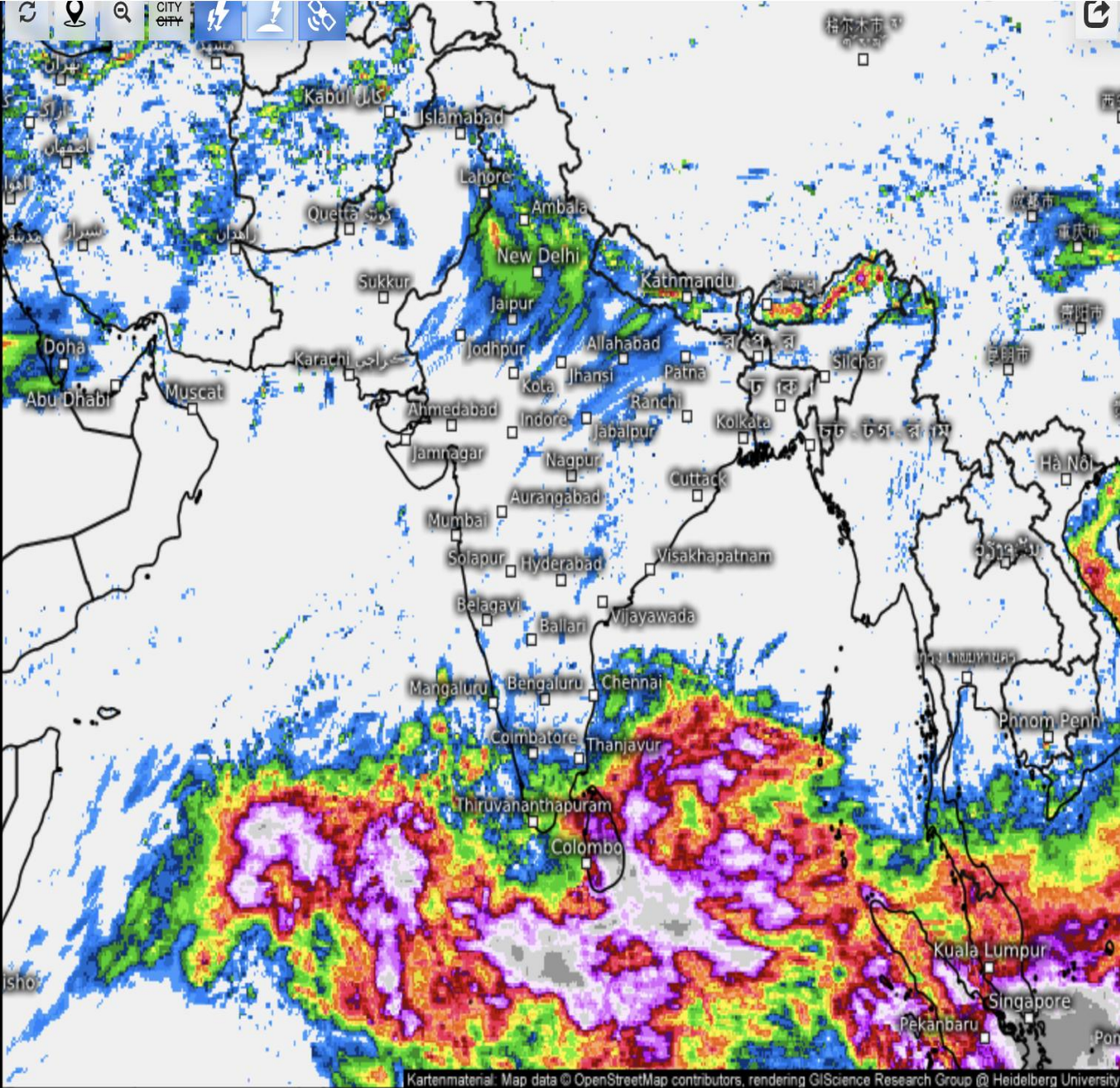
Accumulated Precipitation, 7 days (Satellite) (mm) ⓘ

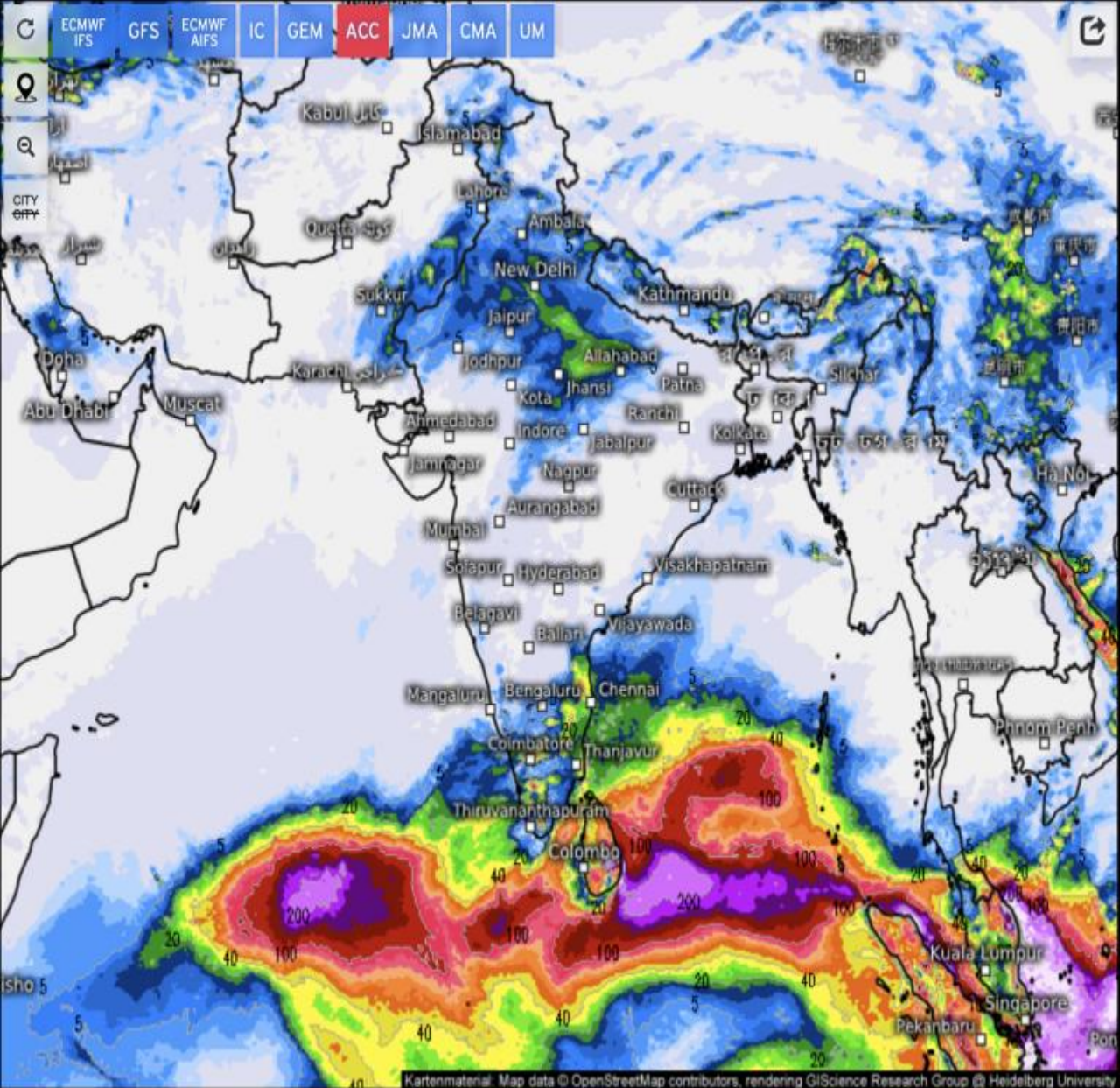
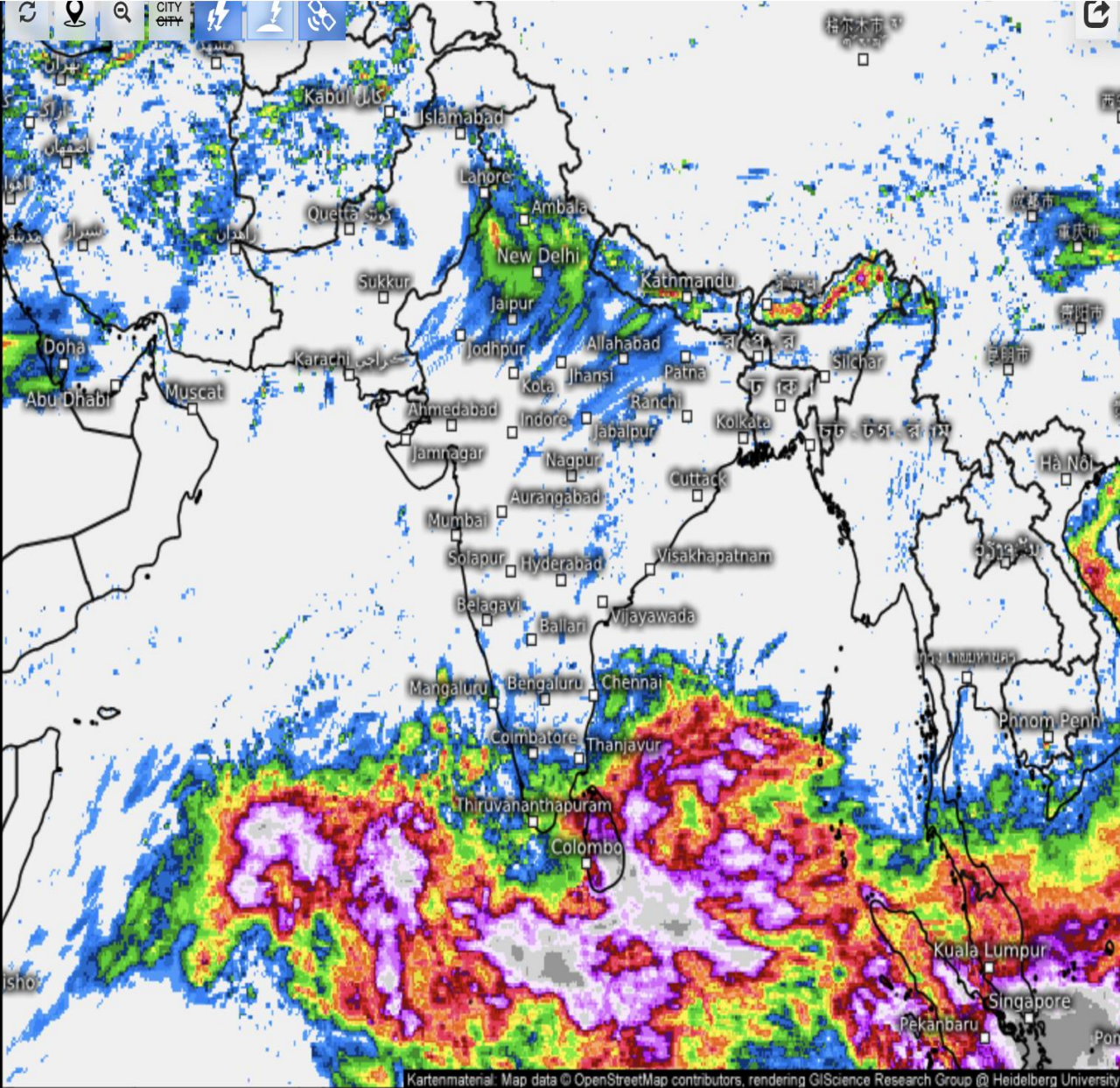
Thu 01/16/2025, 05:30am IST

Accumulated total precipitation (mm) ⓘ

From Thu 01/09/2025, 05:30am IST
to Thu 01/16/2025, 05:30am IST

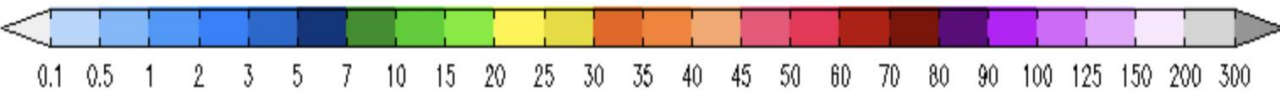






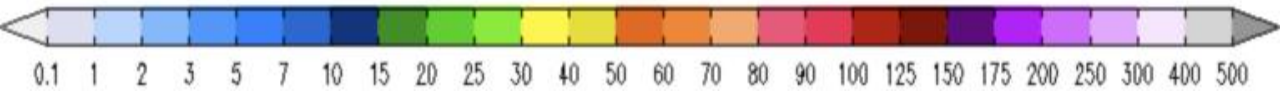
Accumulated Precipitation, 7 days (Satellite) (mm) ⓘ

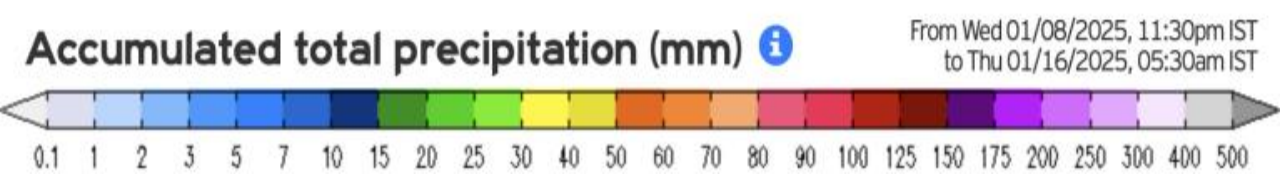
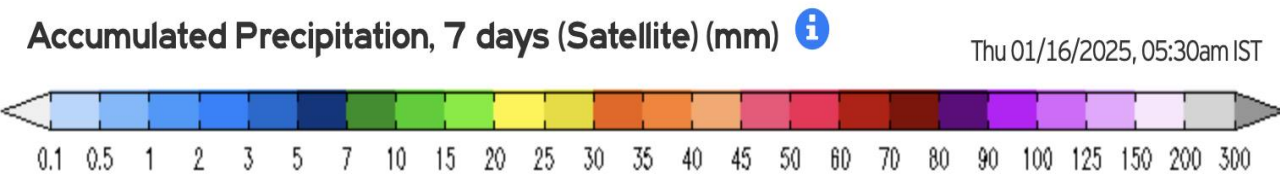
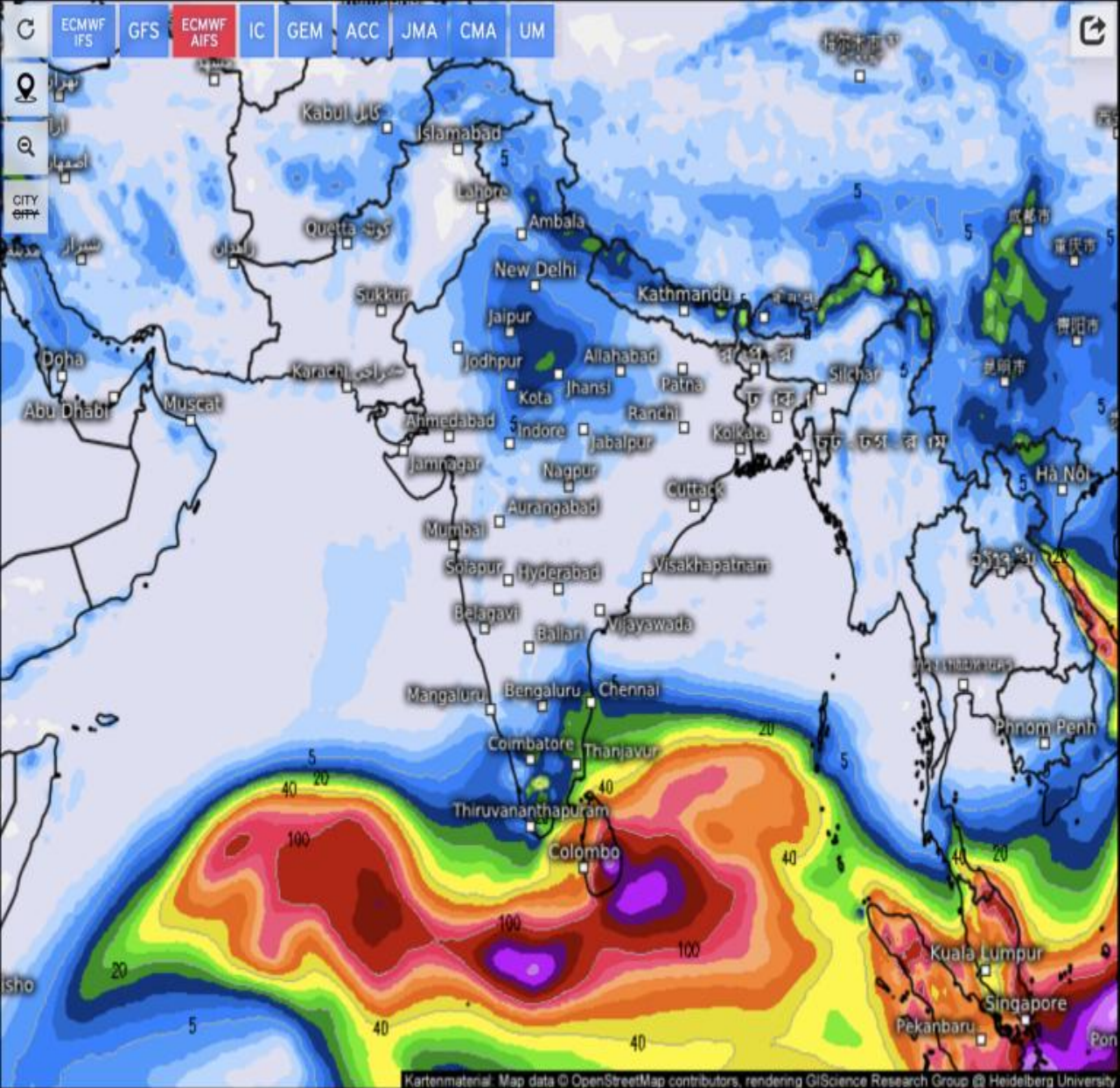
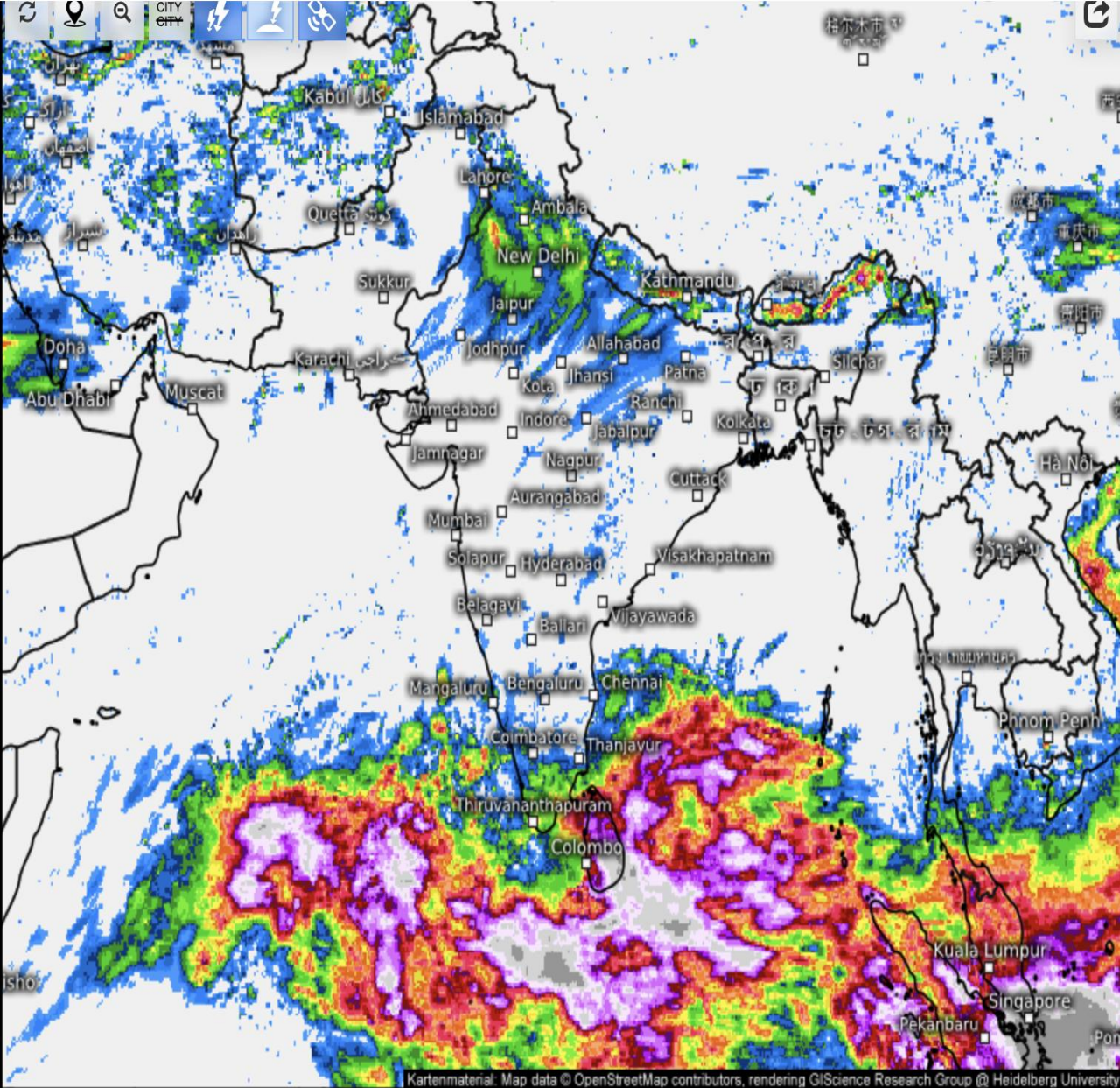
Thu 01/16/2025, 05:30am IST

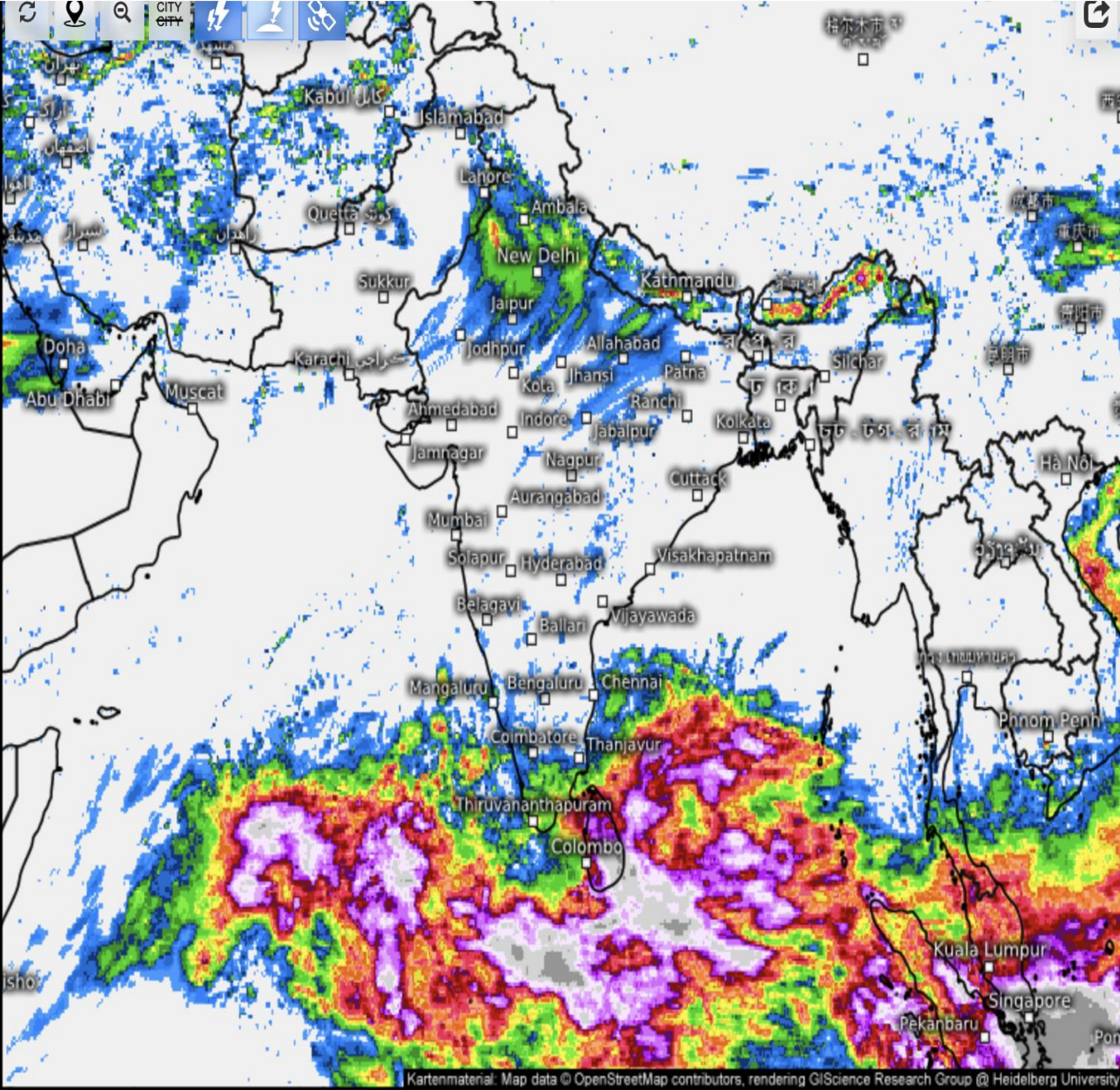


Accumulated total precipitation (mm) ⓘ

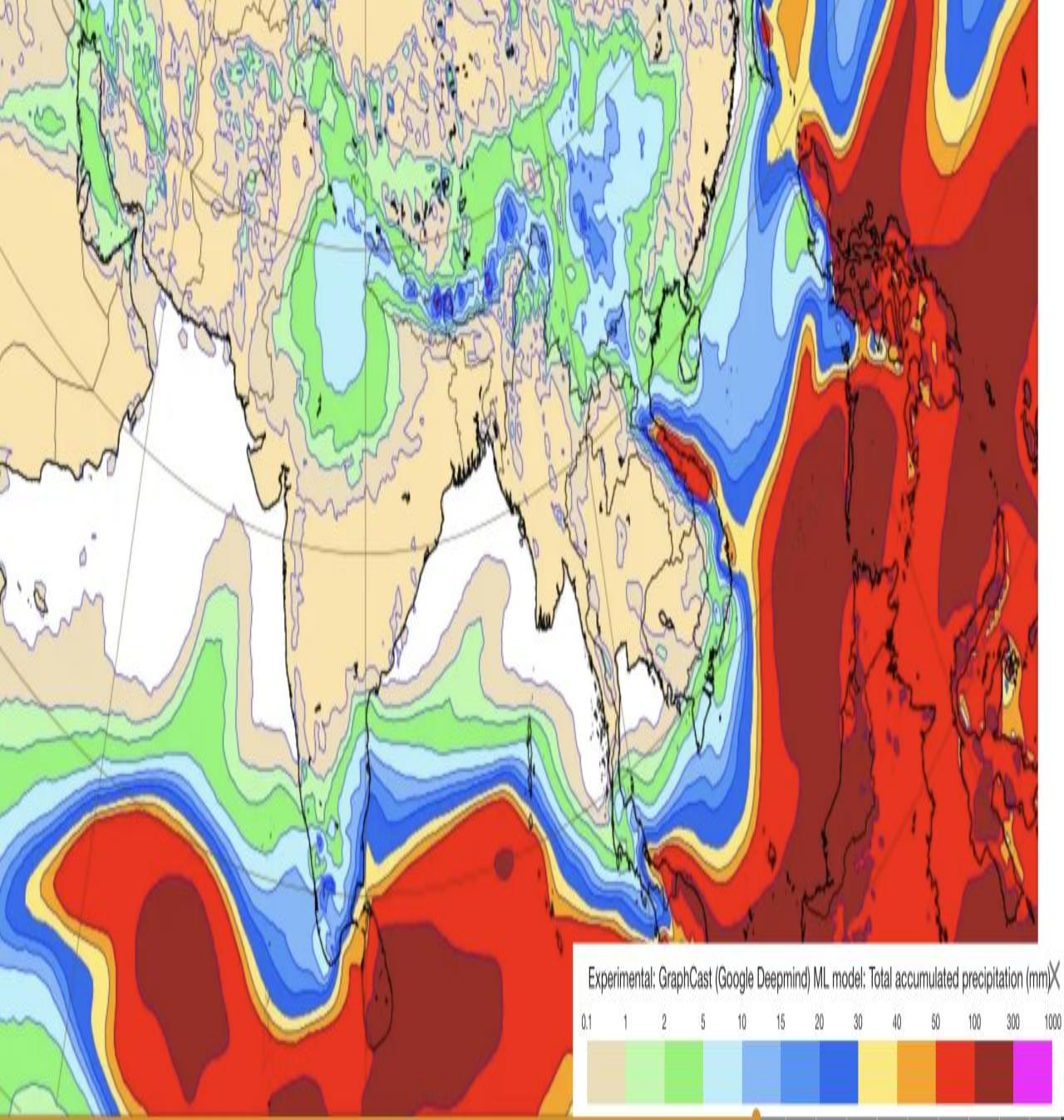
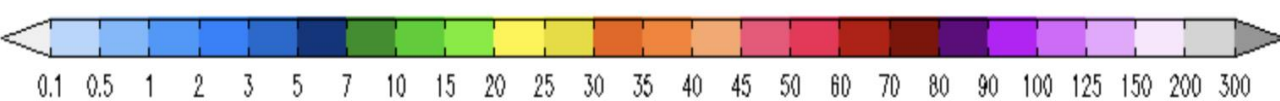
From Wed 01/08/2025, 05:30pm IST
to Thu 01/16/2025, 05:30am IST



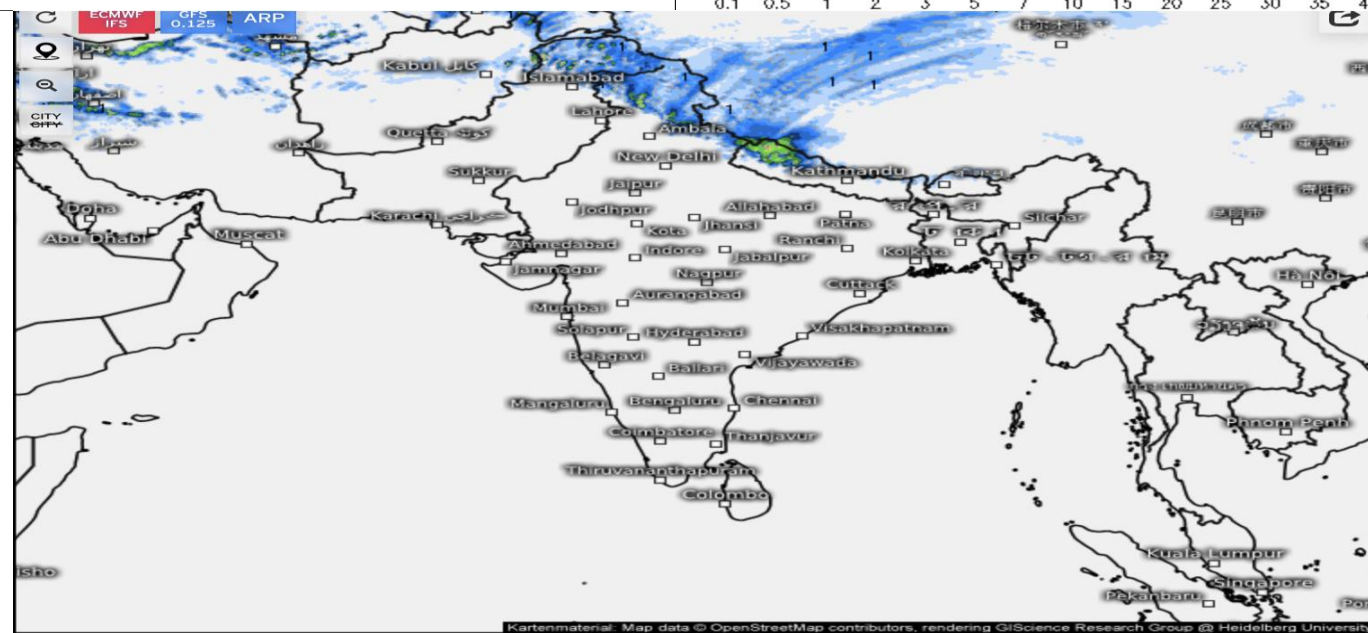
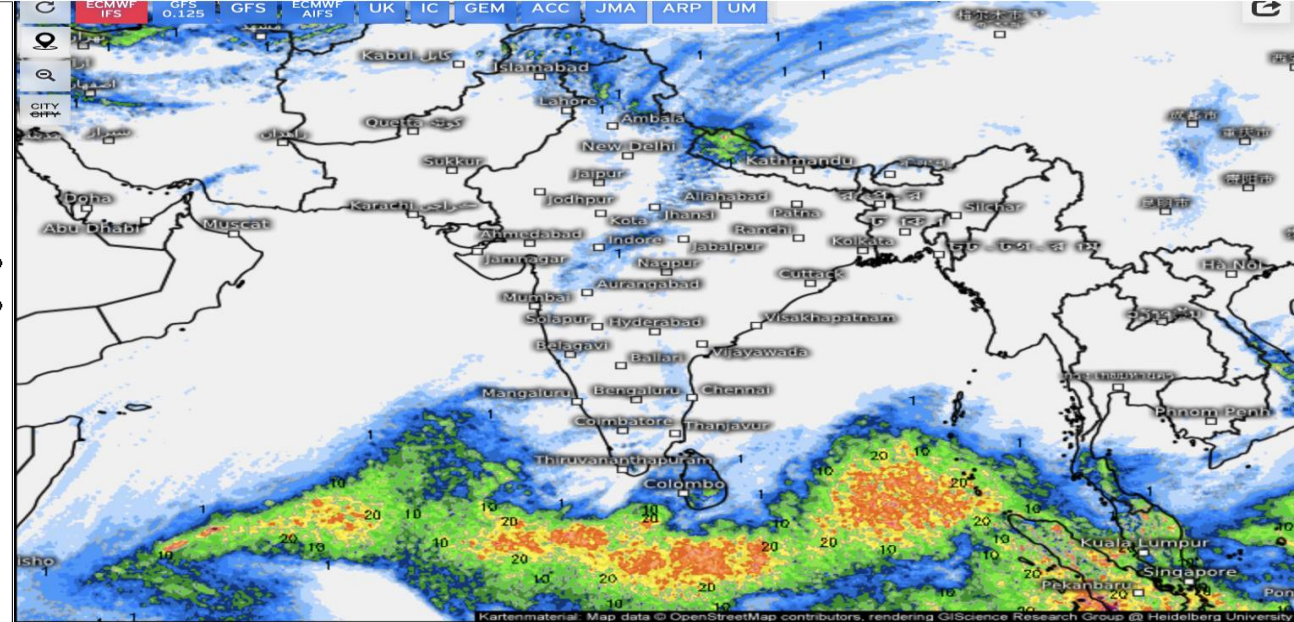
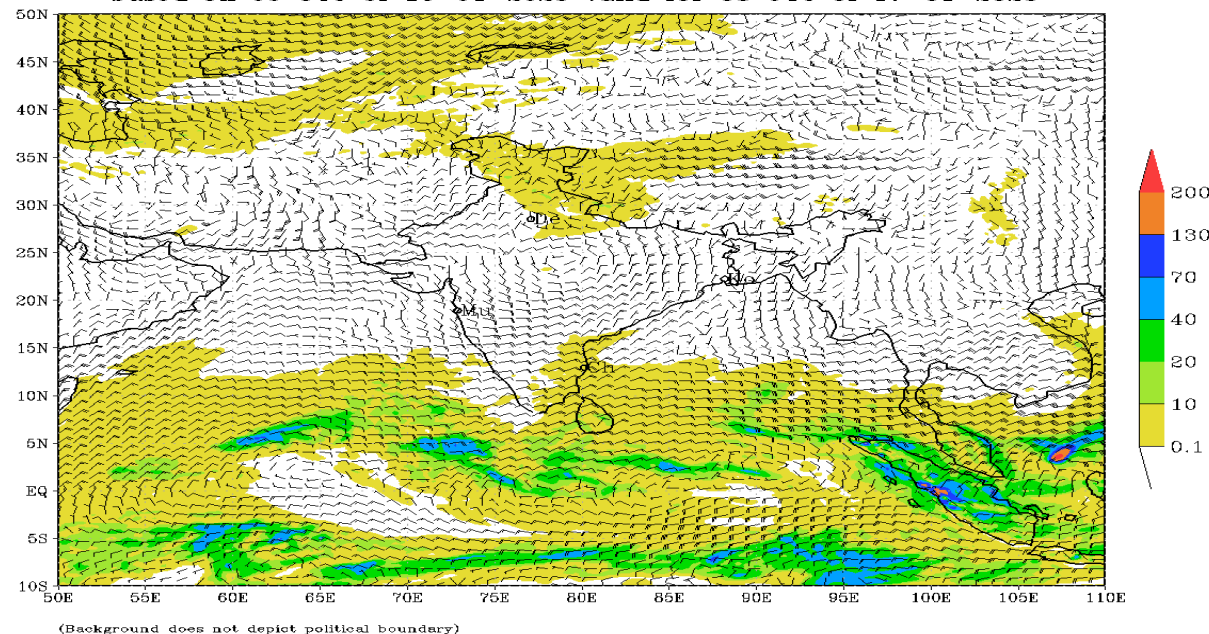




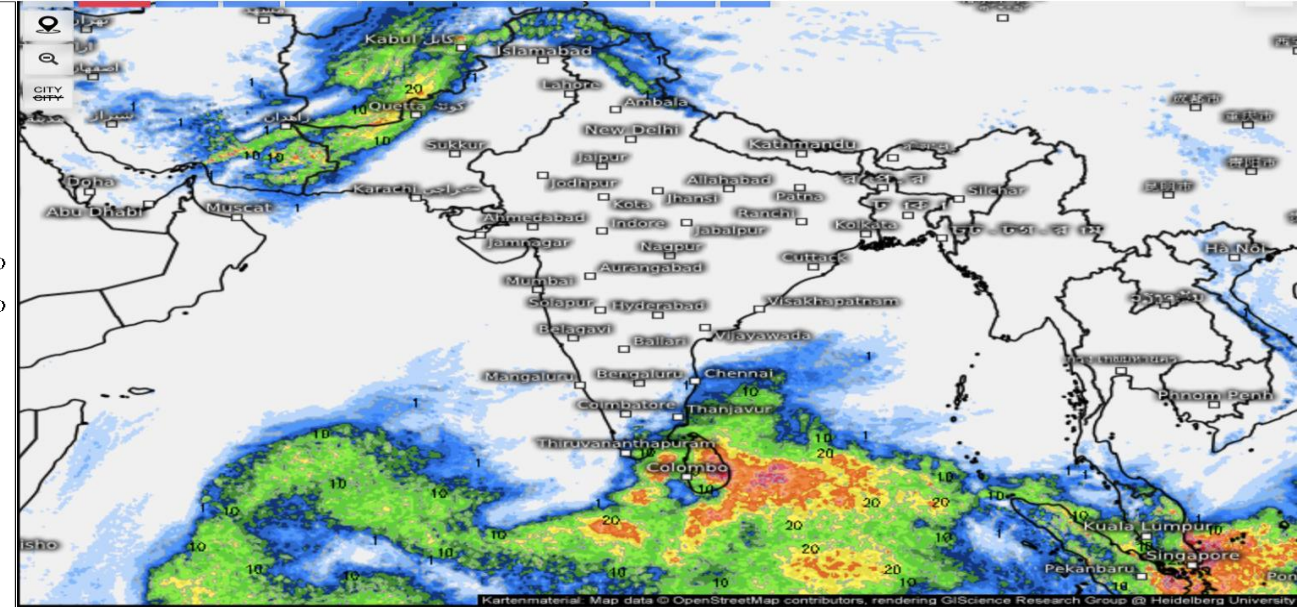
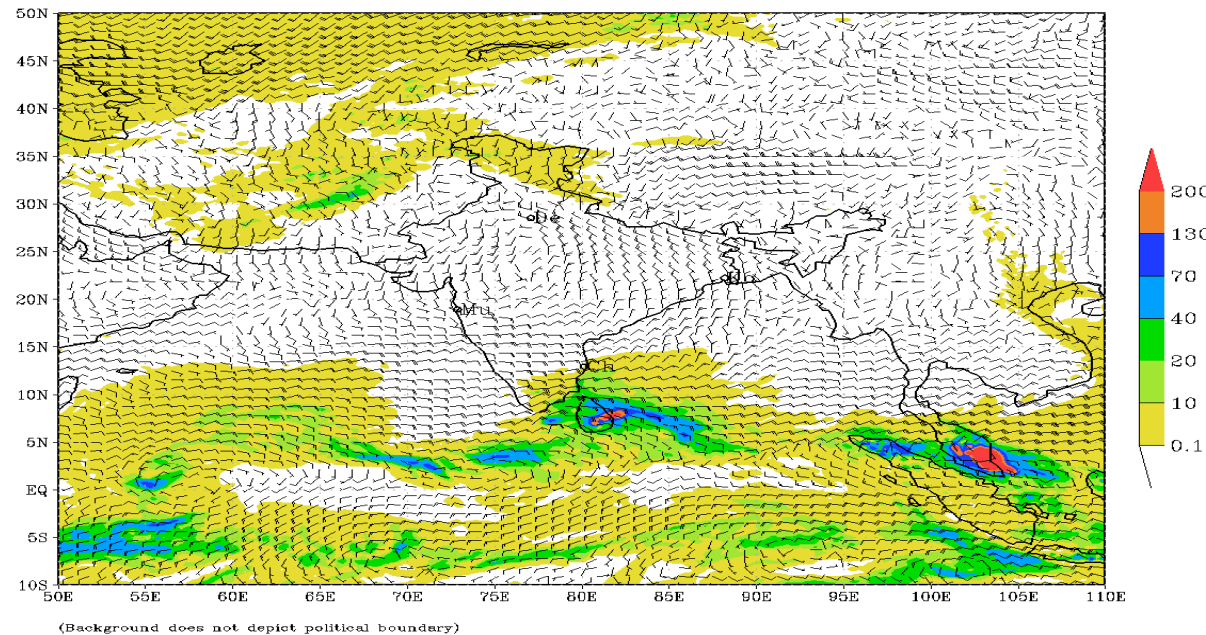
Accumulated Precipitation, 7 days (Satellite) (mm) Thu 01/16/2025, 05:30am IST



IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (24 HR)
based on 00 UTC of 16-01-2025 valid for 03 UTC of 17-01-2025

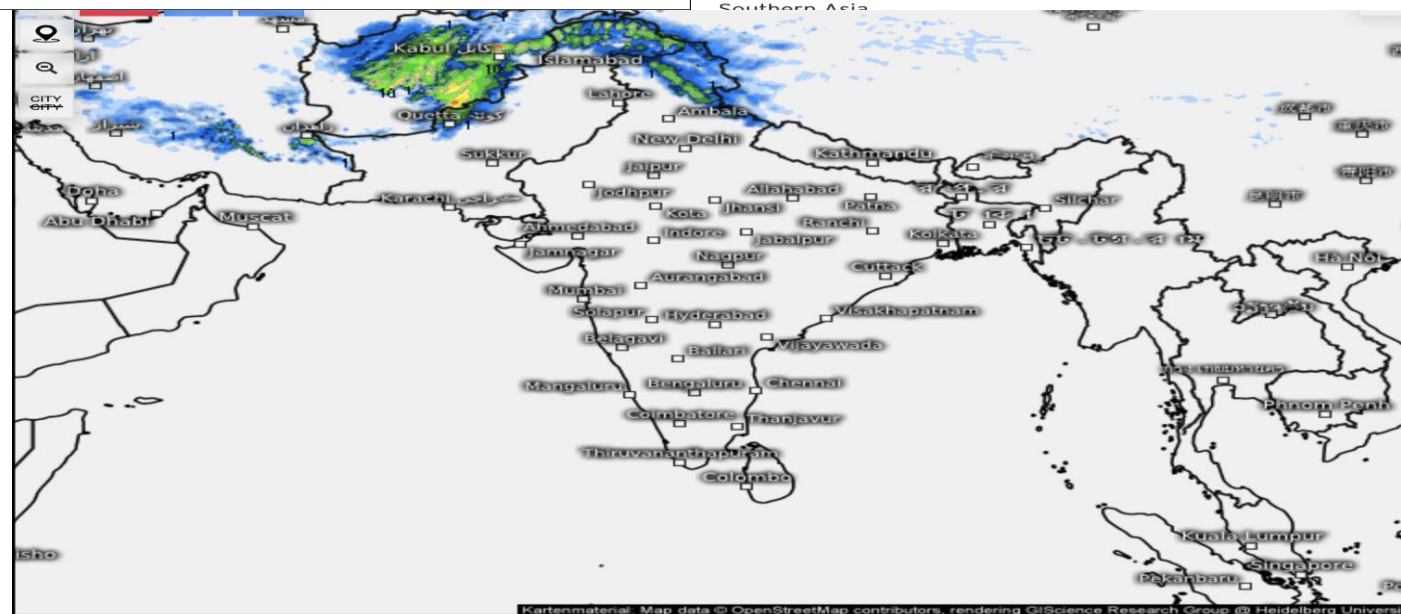
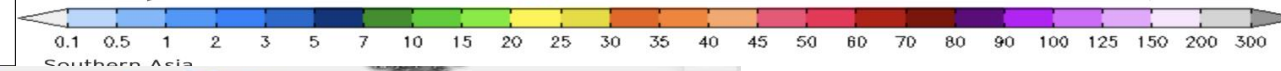


IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (72 HR)
based on 00 UTC of 18-01-2025 valid for 03 UTC of 19-01-2025



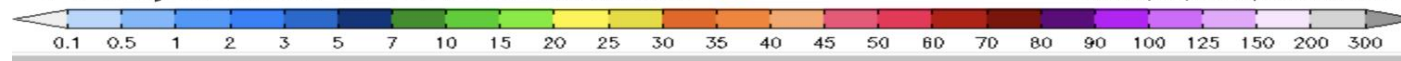
Precipitation, 24h (mm) ⓘ

Valid for
Sun 01/19/2025, 05:30am IST

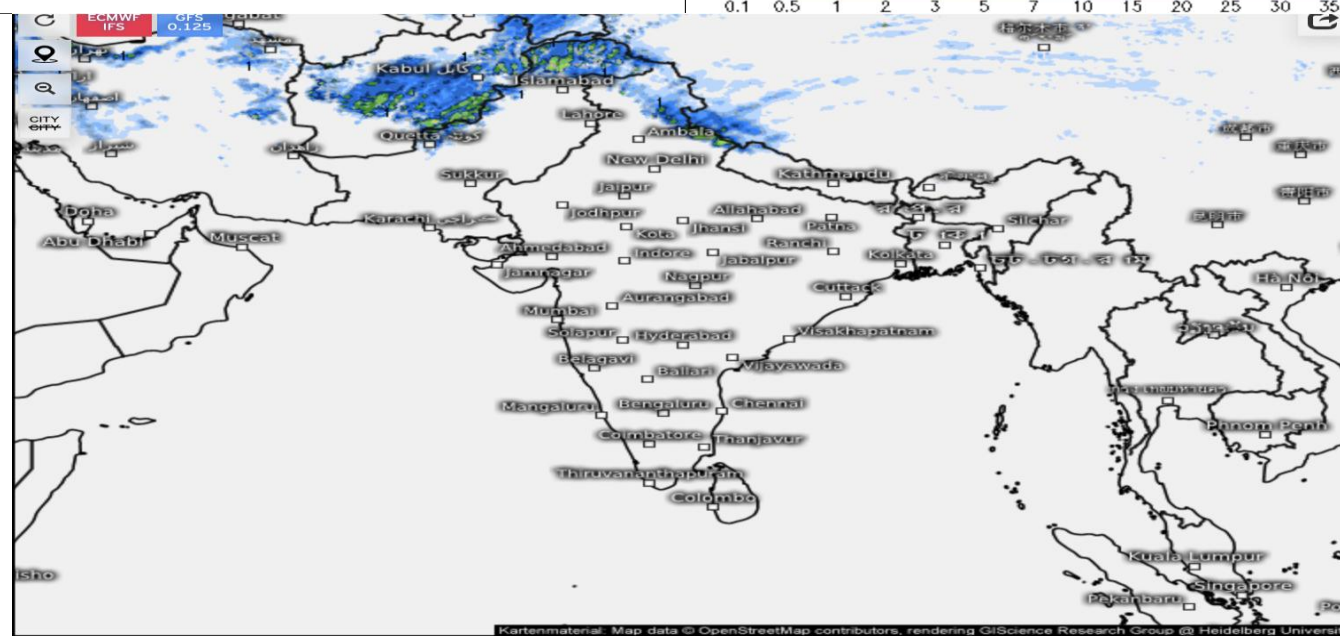
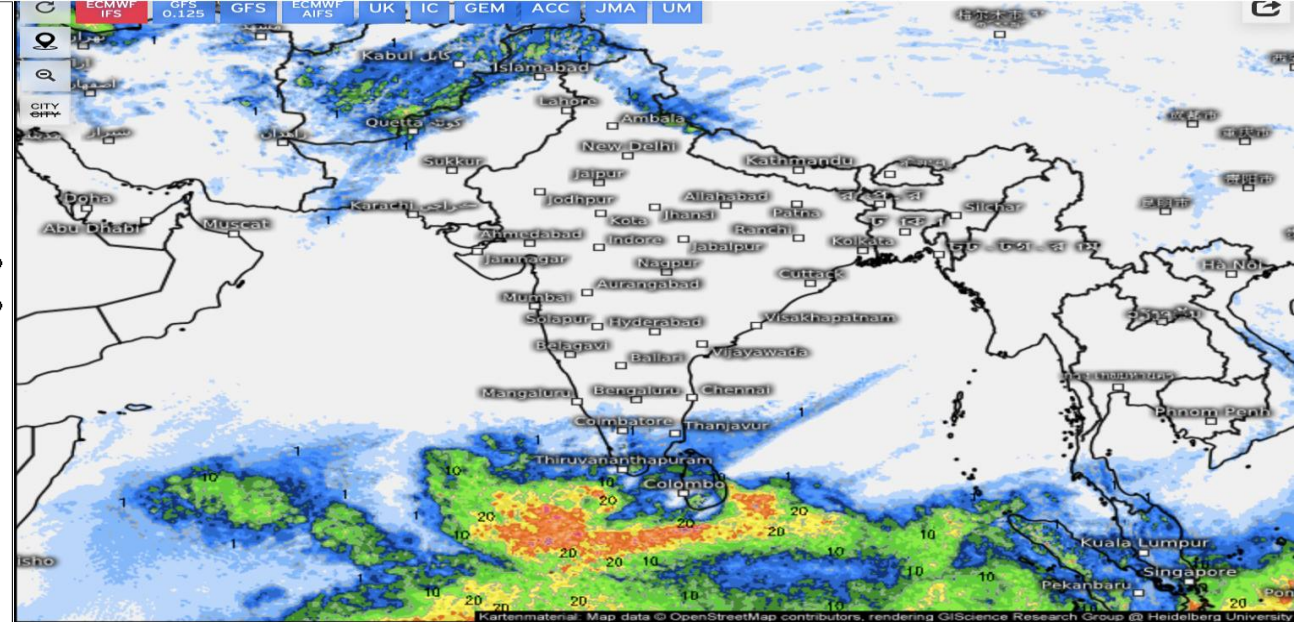
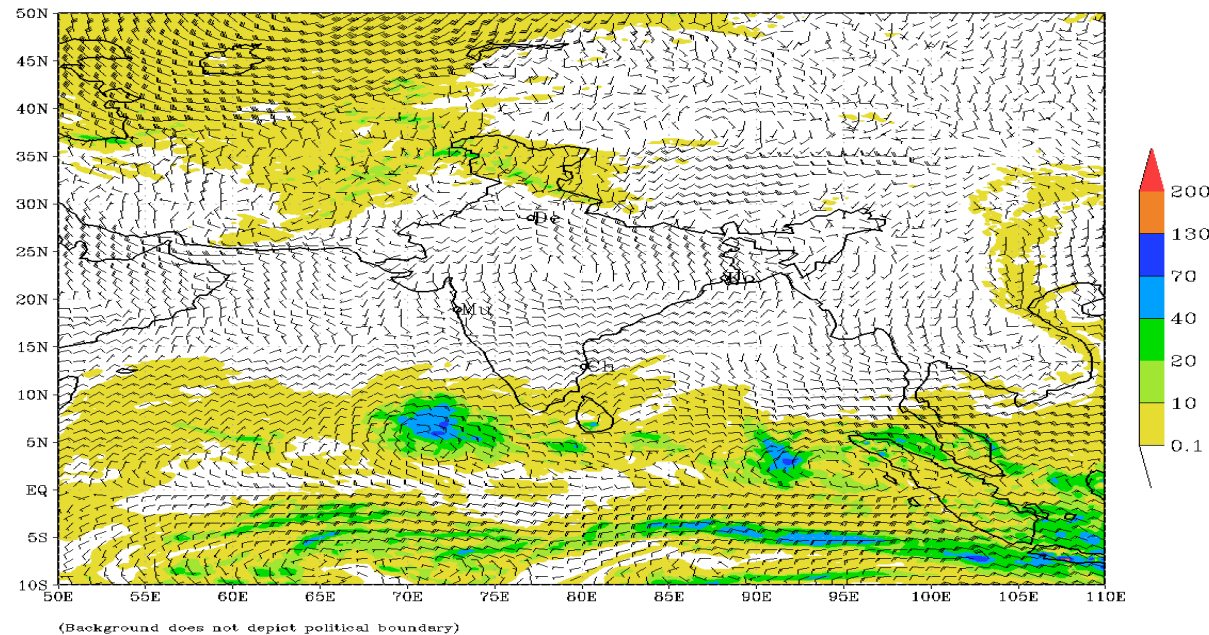


Precipitation, 24h (Snow) (mm) ⓘ

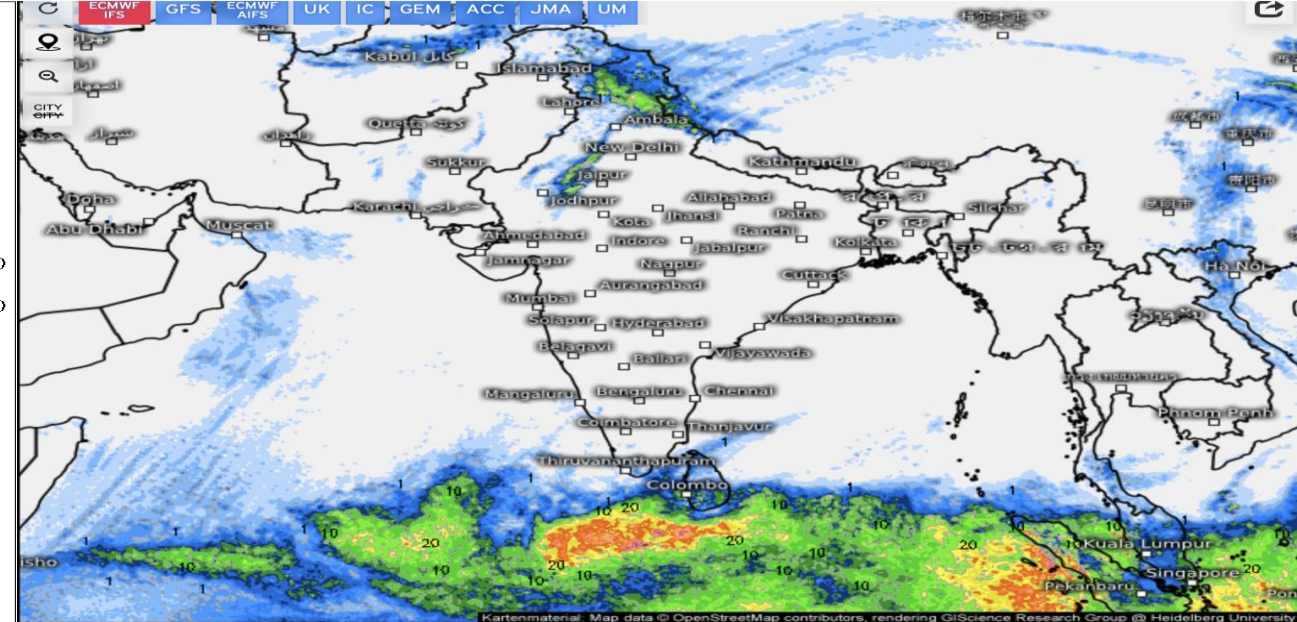
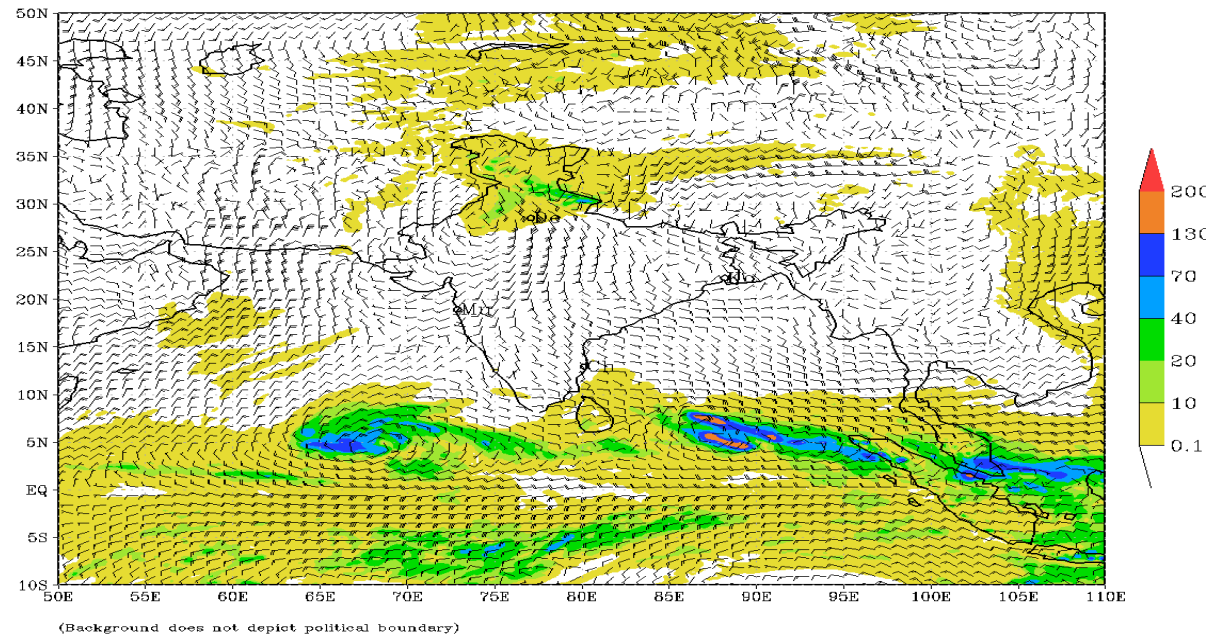
Valid for
Sun 01/19/2025, 05:30am IST



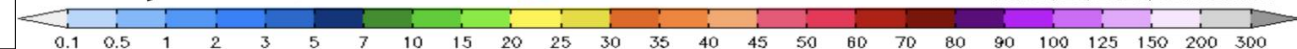
IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (120 HR)
based on 00 UTC of 18-01-2025 valid for 03 UTC of 21-01-2025



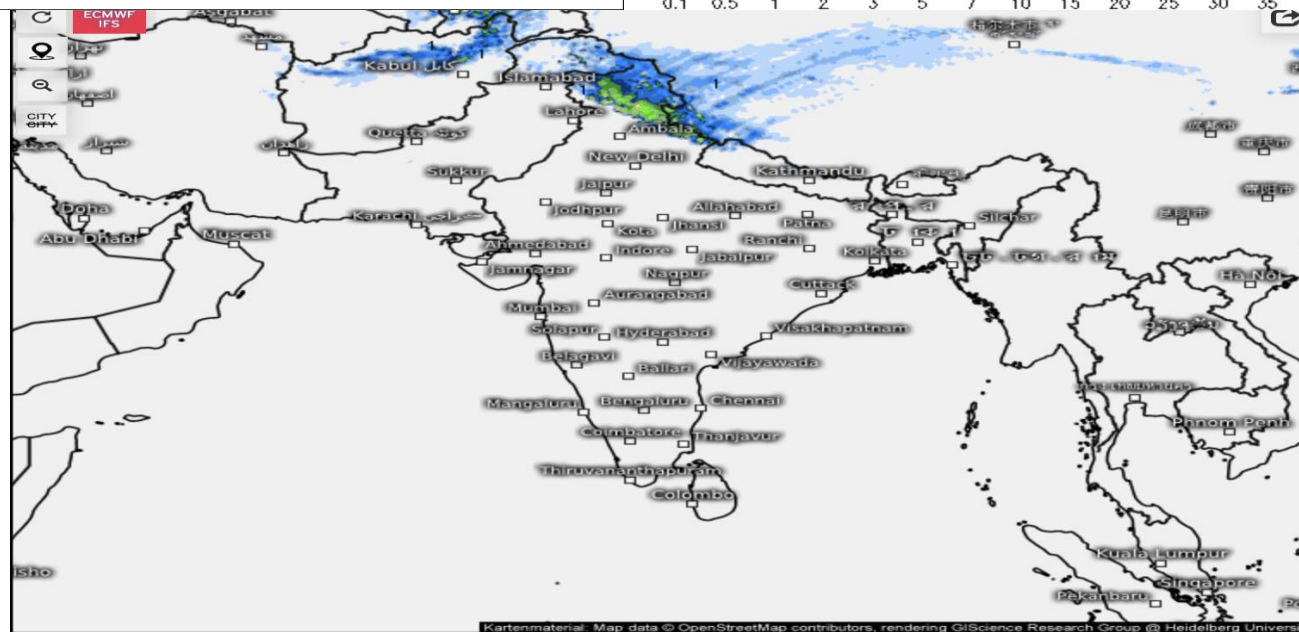
IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (168 HR)
based on 00 UTC of 18-01-2025 valid for 03 UTC of 23-01-2025



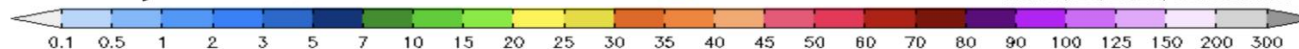
Precipitation, 24h (mm)



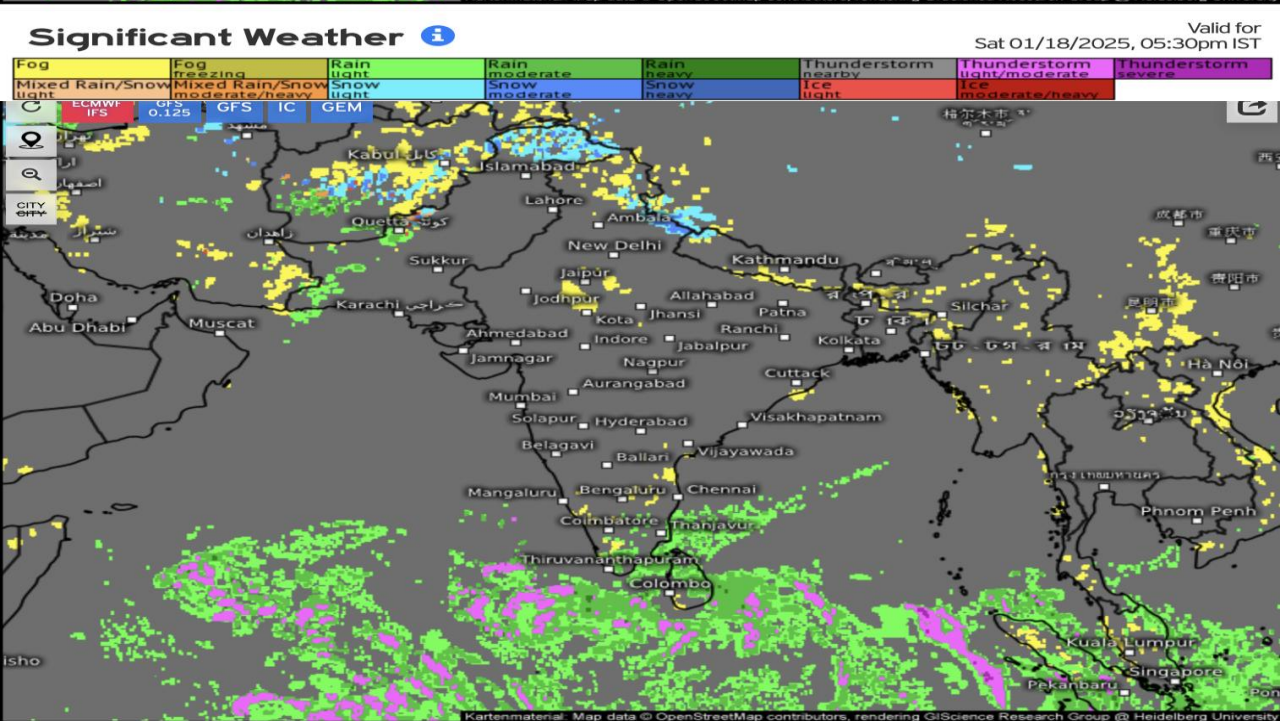
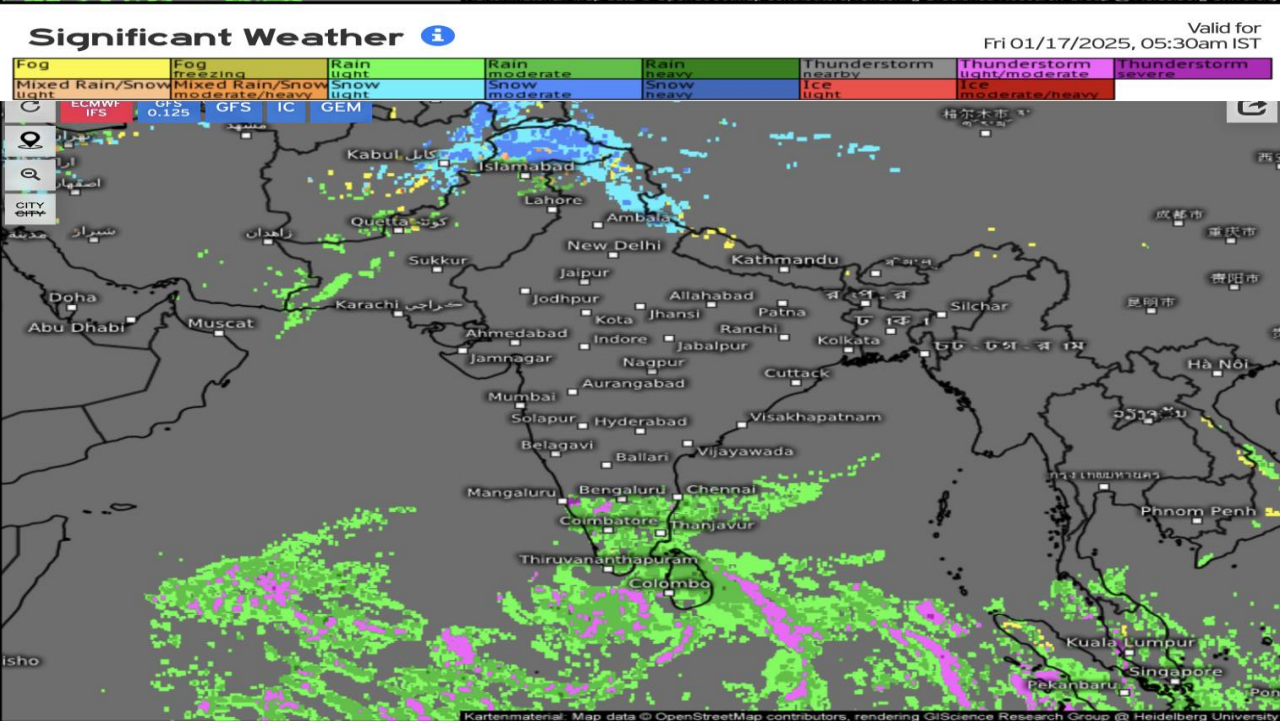
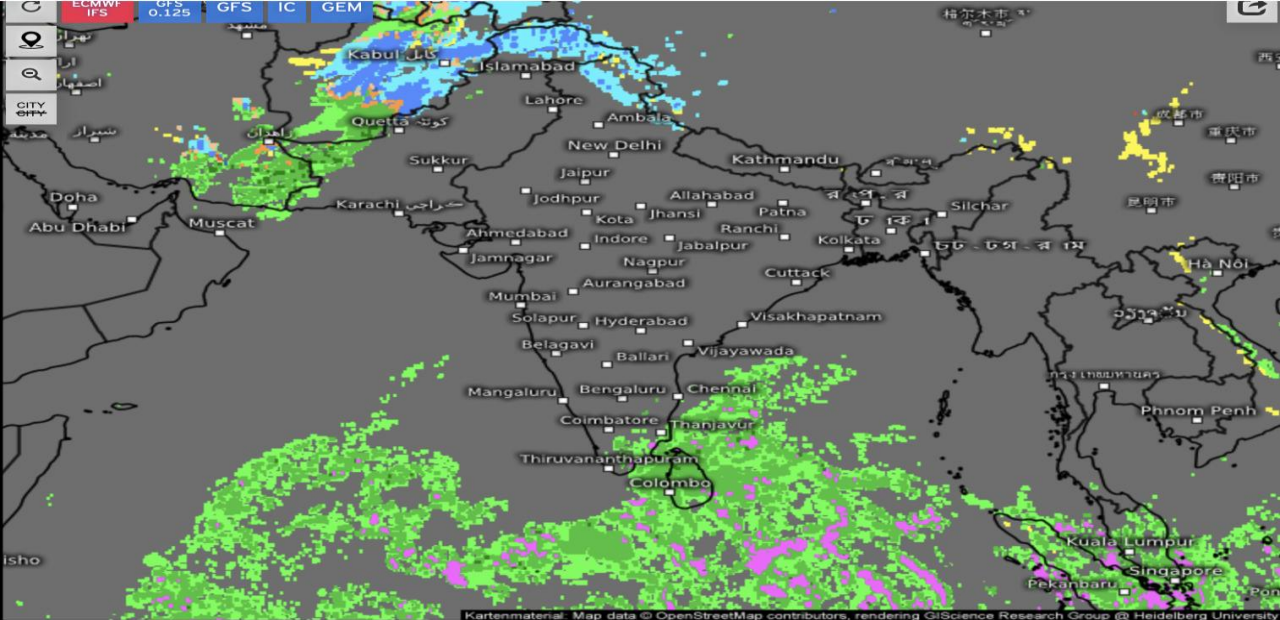
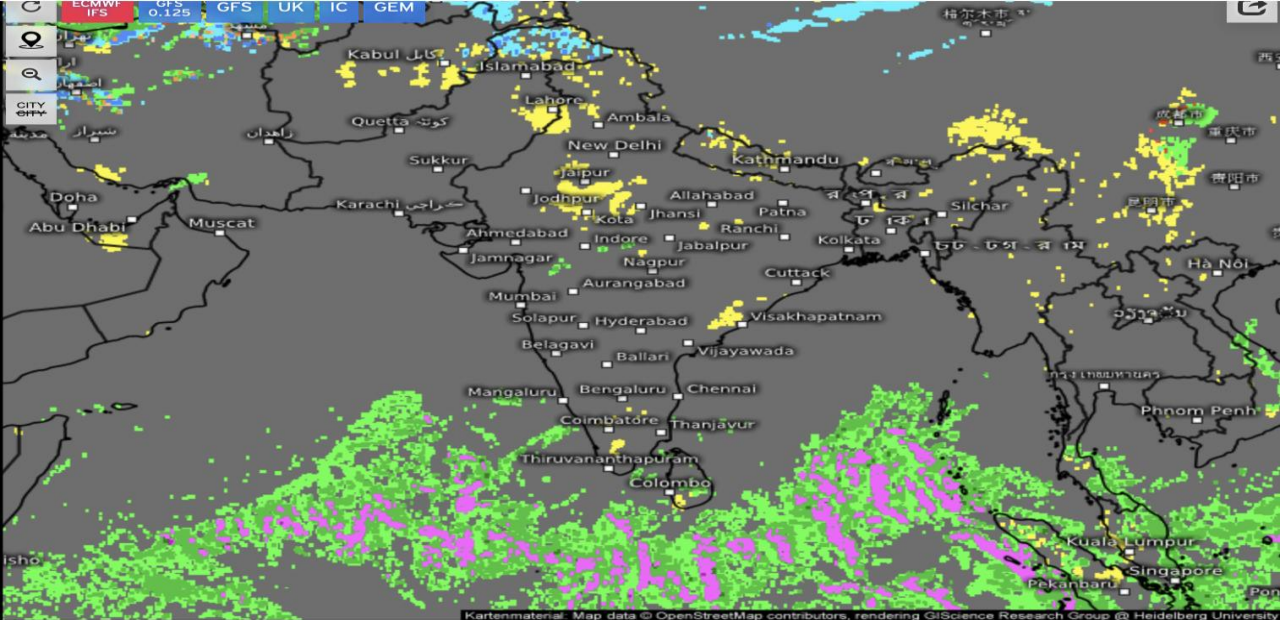
Valid for
Thu 01/23/2025, 05:30am IST

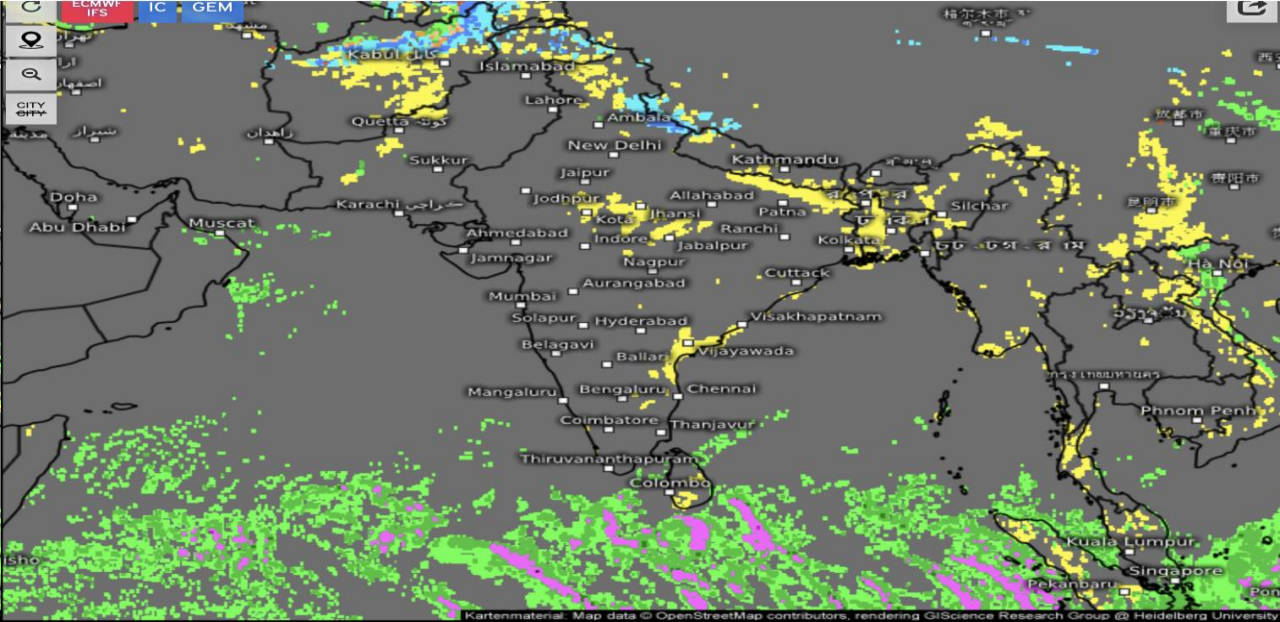
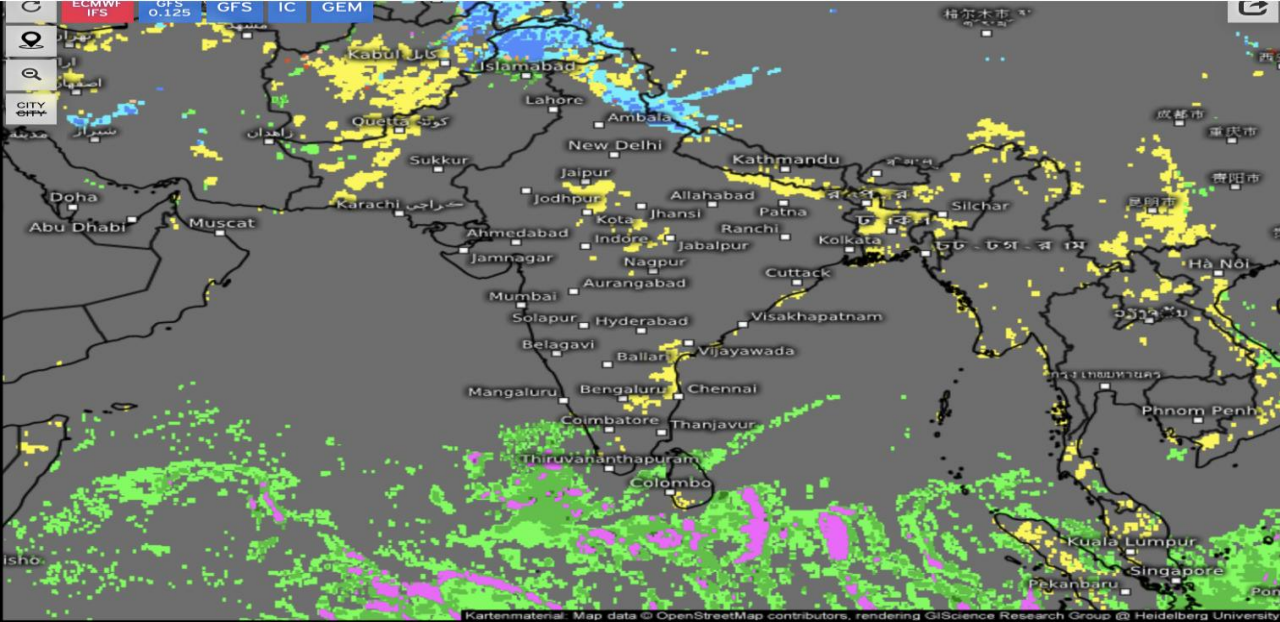


Precipitation, 24h (Snow) (mm)



Valid for
Thu 01/23/2025, 05:30am IST



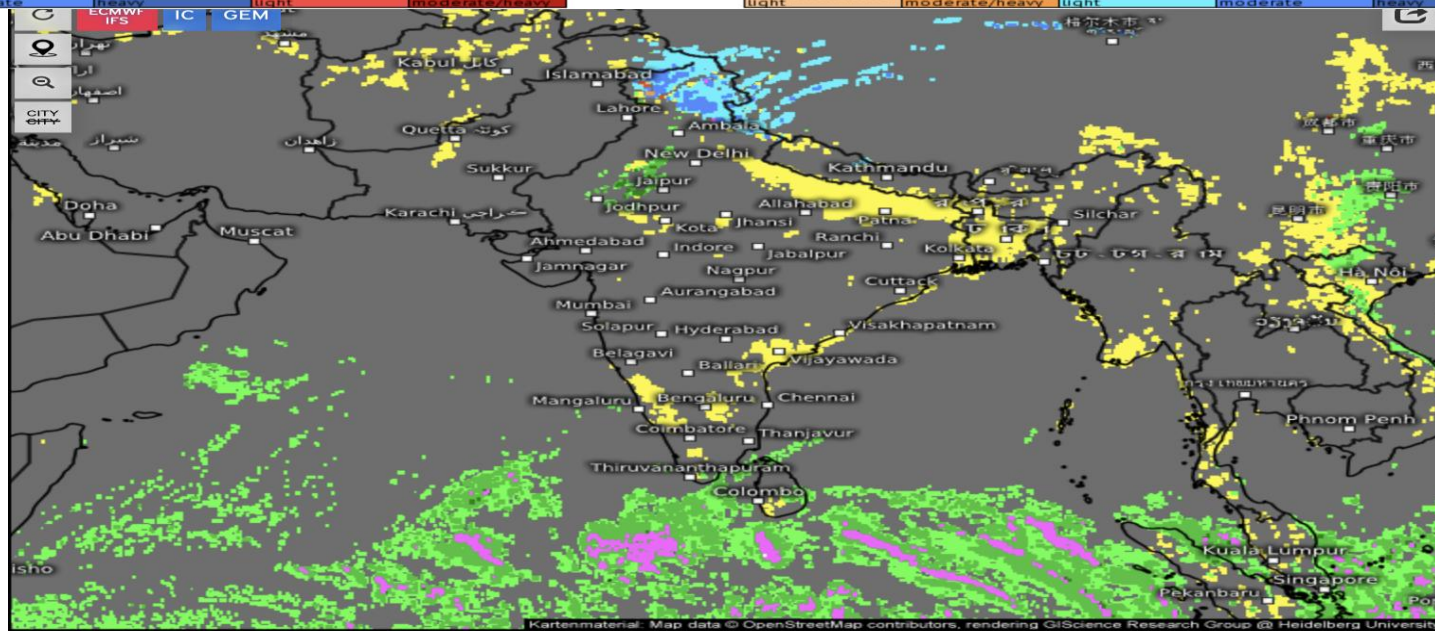


Significant Weather [i](#) Valid for Tue 01/21/2025, 05:30am IST

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

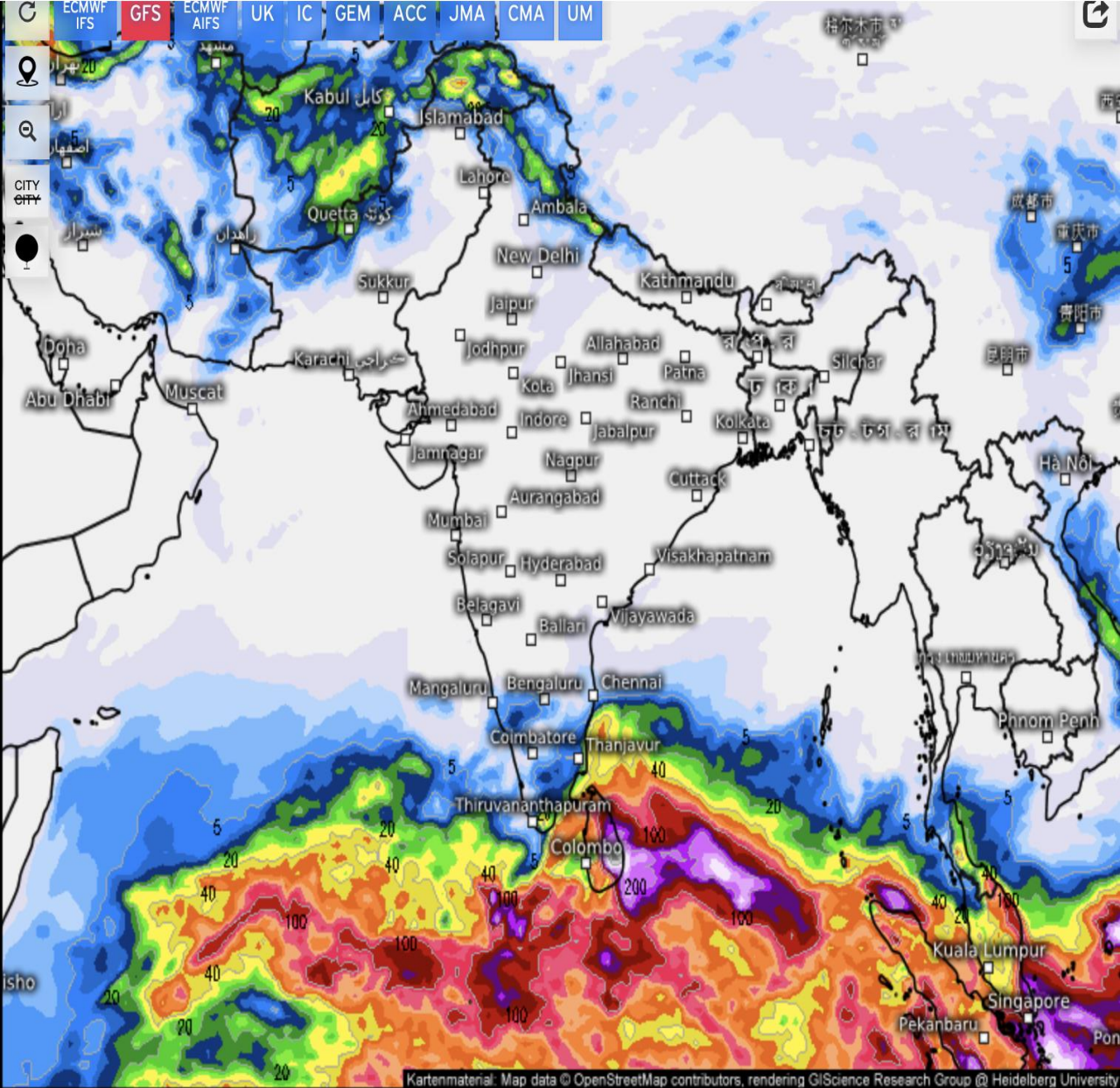
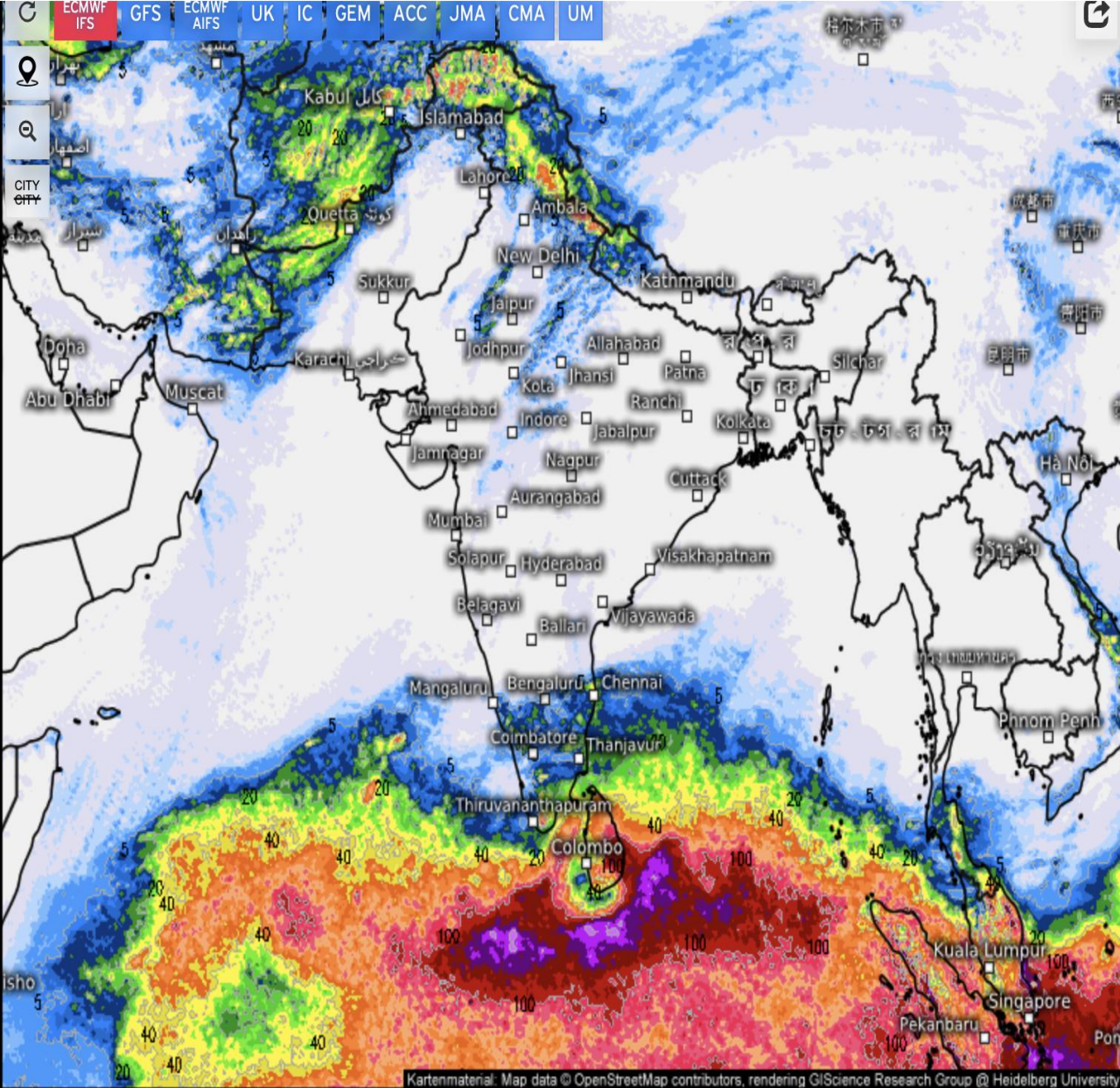
Significant Weather [i](#) Valid for Wed 01/22/2025, 05:30am IST

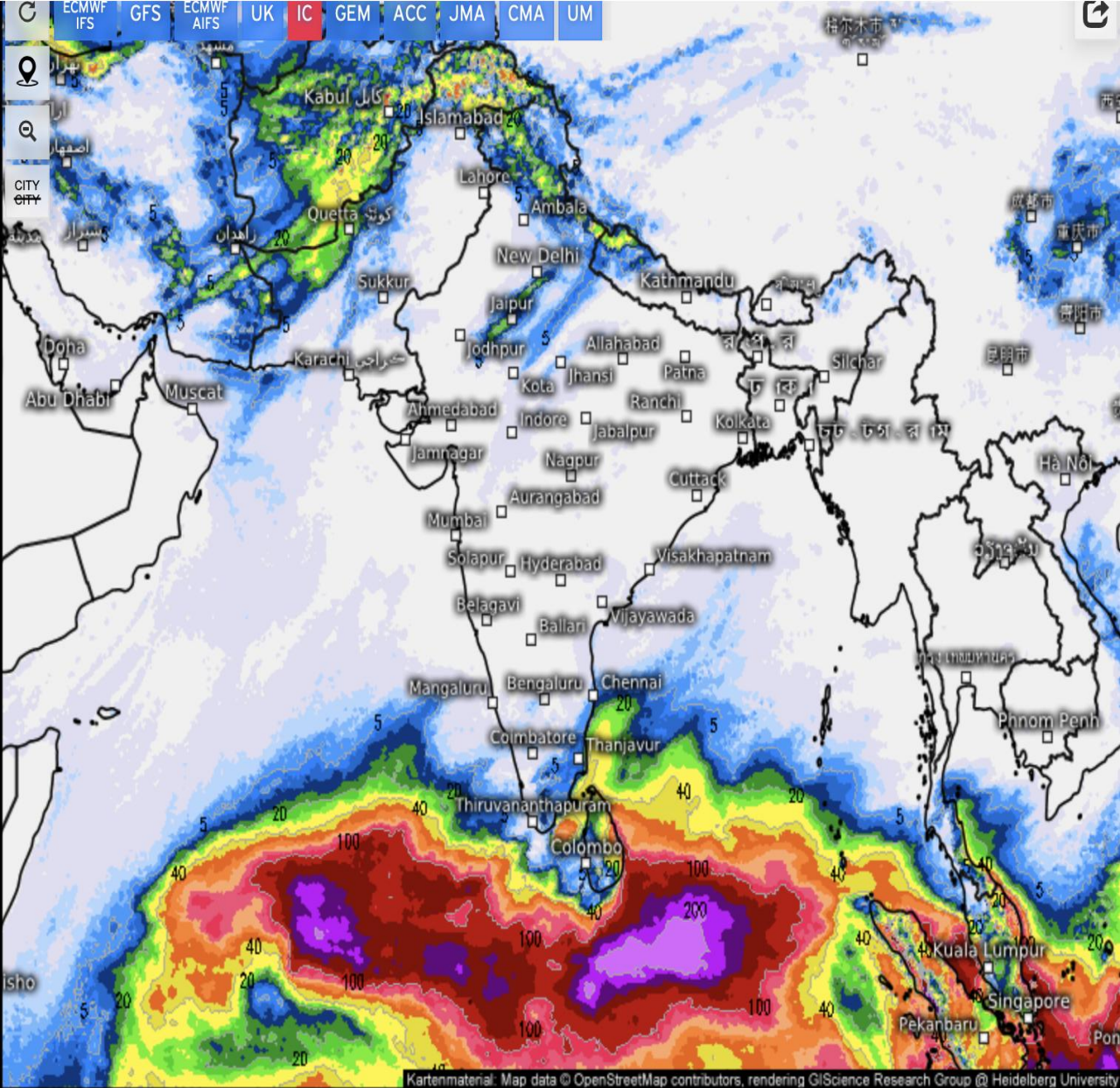
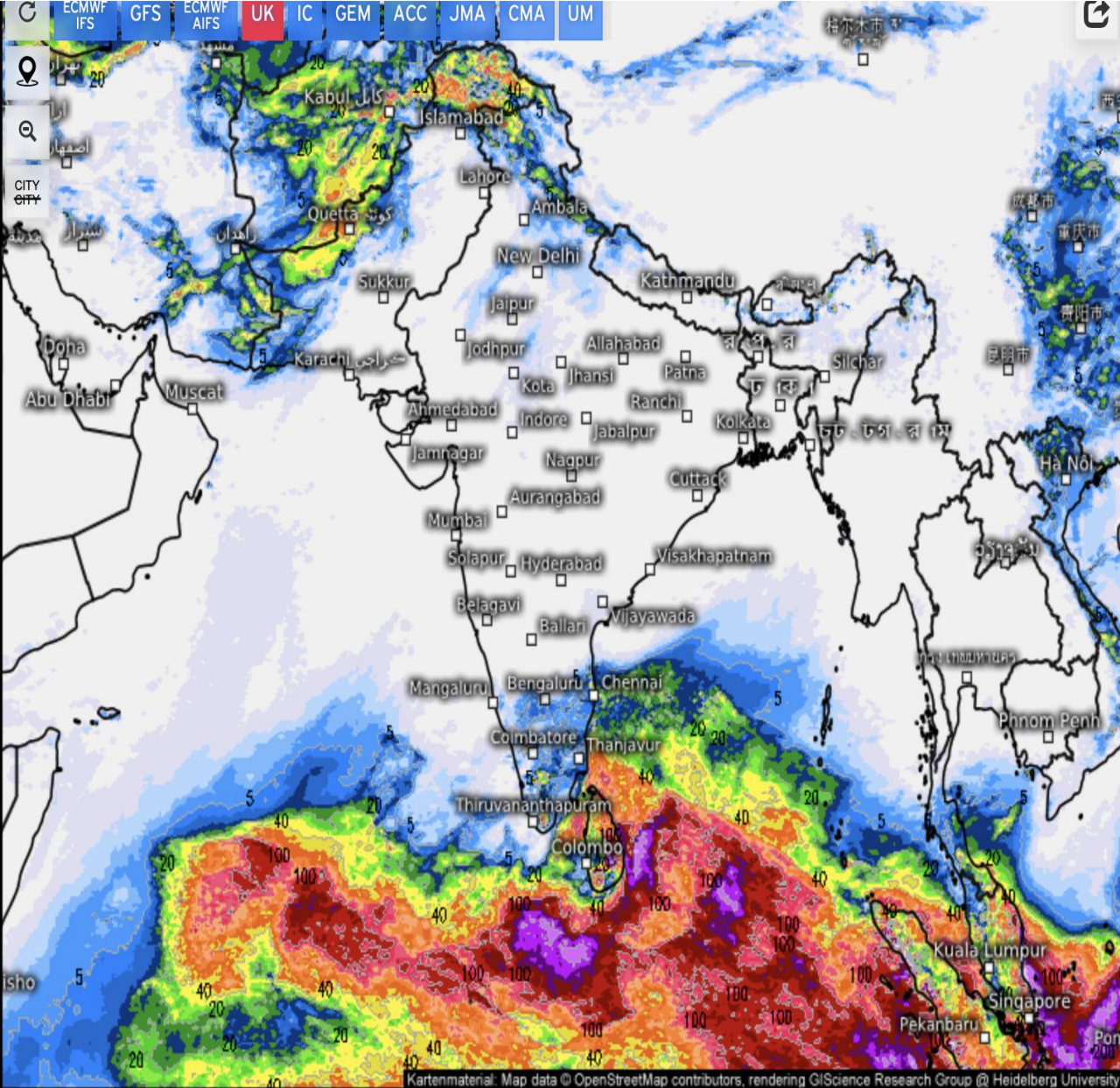
Fog	Fog freezing	Rain light	Rain moderate	Rain heavy	Thunderstorm nearby	Thunderstorm light/moderate	Thunderstorm severe
Mixed Rain/Snow light	Mixed Rain/Snow moderate/heavy	Snow light	Snow moderate	Snow heavy	Ice light	Ice moderate/heavy	



Significant Weather [i](#) Valid for Thu 01/23/2025, 05:30am IST

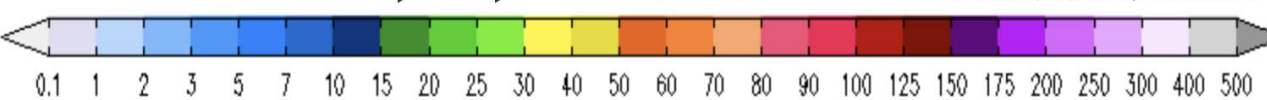
Fog	Fog freezing	Rain light	Rain moderate	Rain heavy	Thunderstorm nearby	Thunderstorm light/moderate	Thunderstorm severe
Mixed Rain/Snow light	Mixed Rain/Snow moderate/heavy	Snow light	Snow moderate	Snow heavy	Ice light	Ice moderate/heavy	





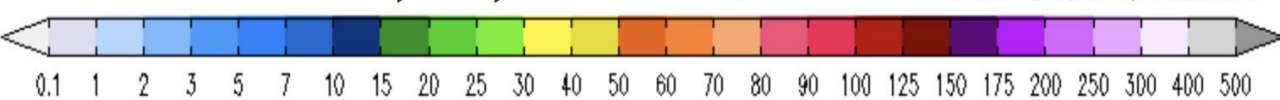
Accumulated total precipitation (mm)

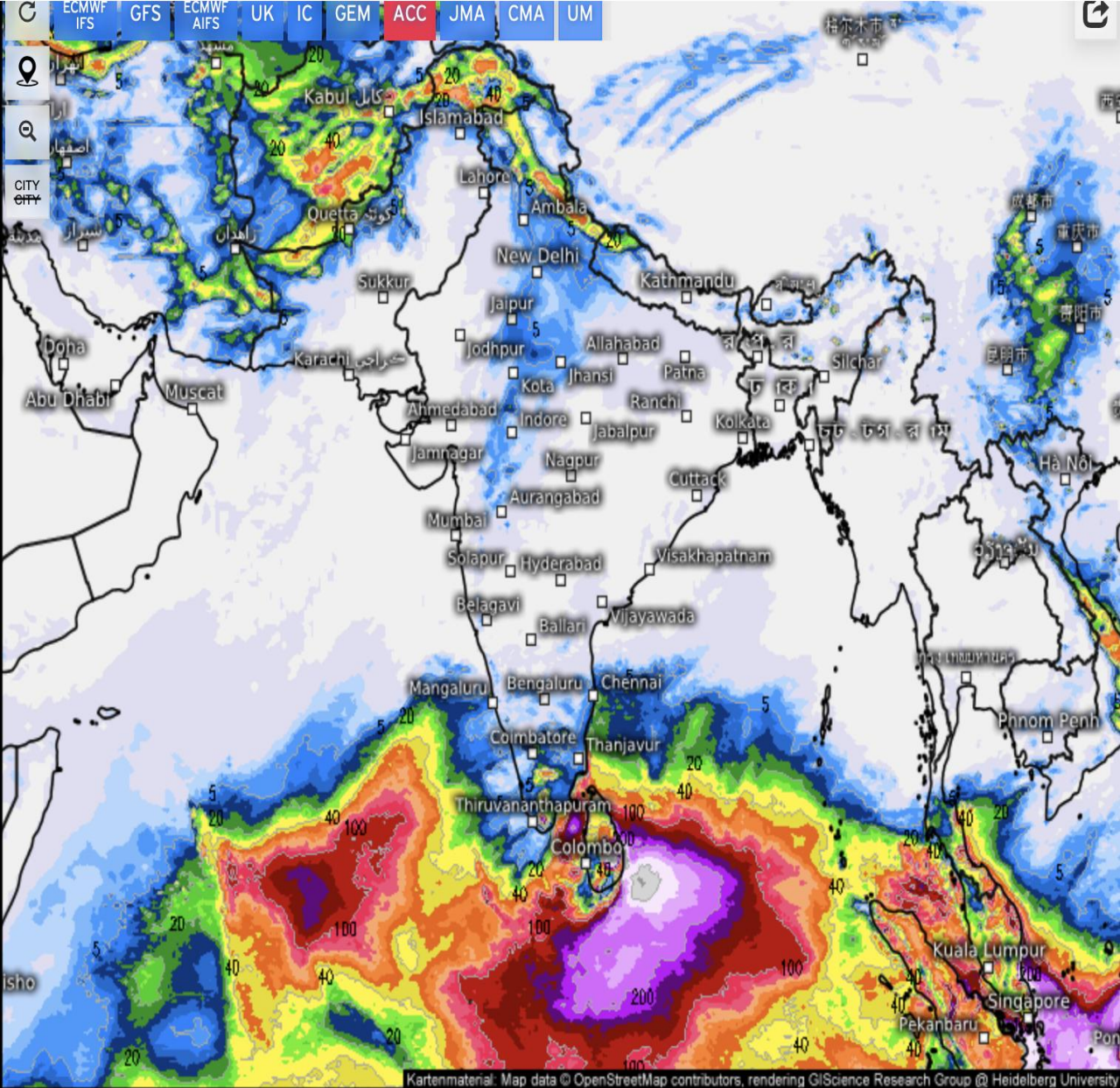
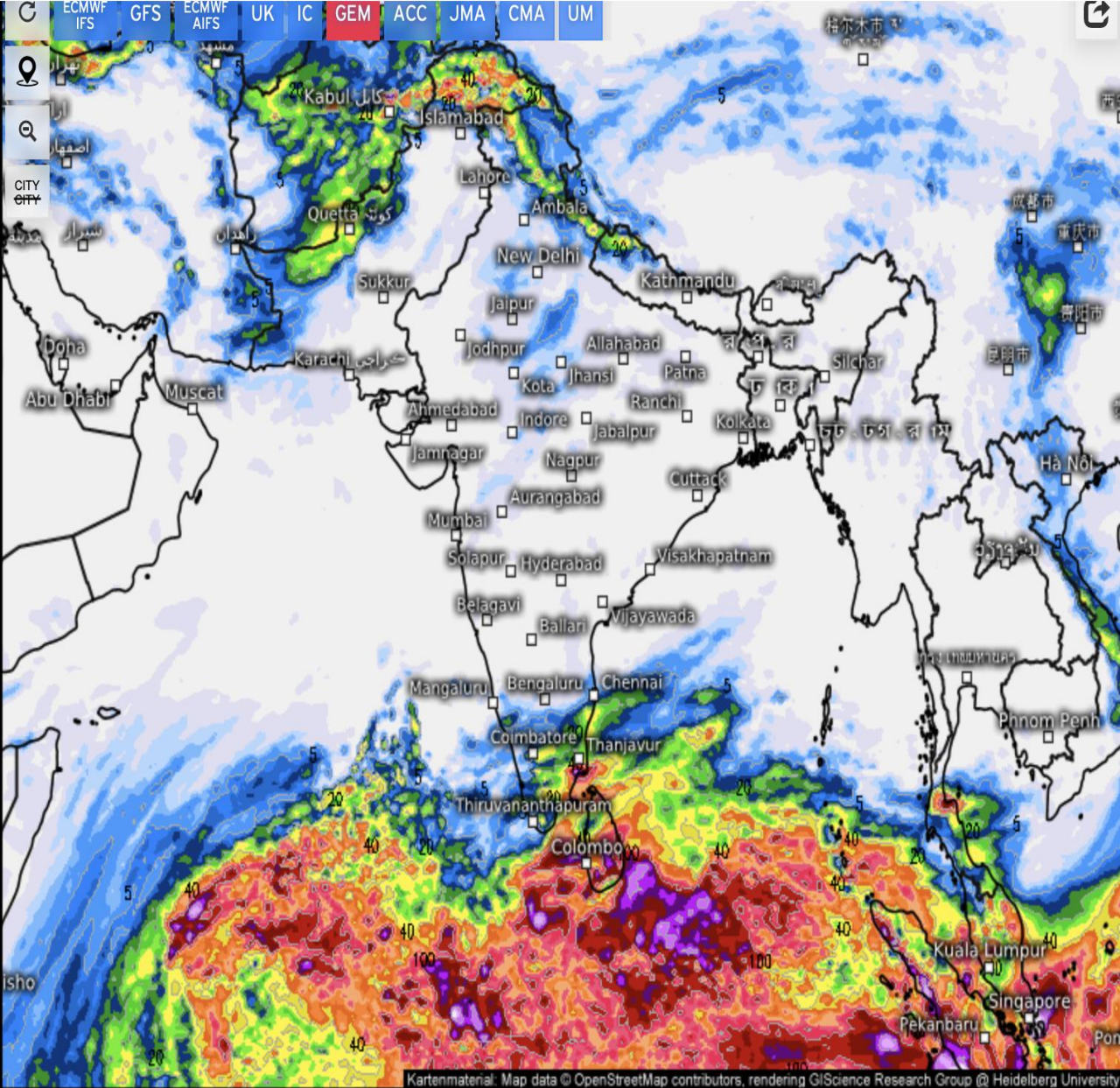
From Thu 01/16/2025, 05:30am IST
to Thu 01/23/2025, 05:30am IST



Accumulated total precipitation (mm)

From Thu 01/16/2025, 05:30am IST
to Thu 01/23/2025, 05:30am IST



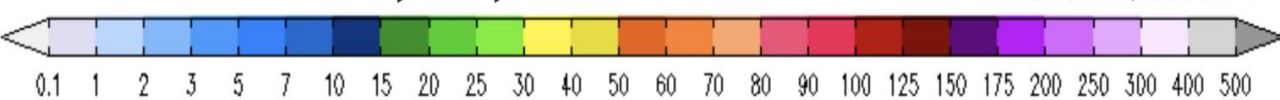
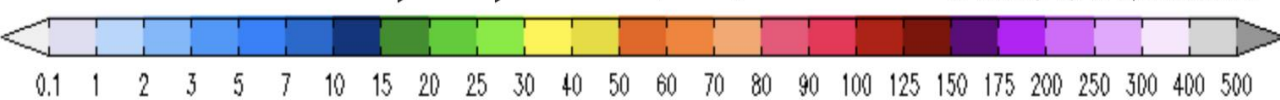


Accumulated total precipitation (mm)

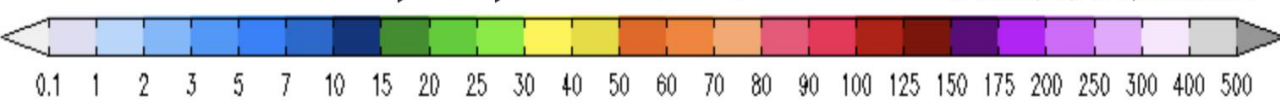
From Thu 01/16/2025, 05:30am IST
to Thu 01/23/2025, 05:30am IST

Accumulated total precipitation (mm)

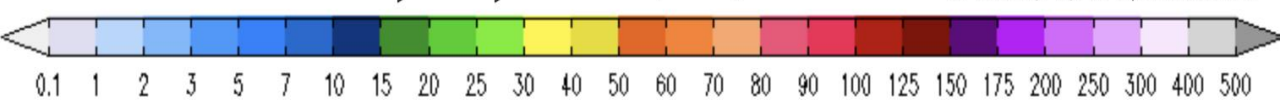
From Wed 01/15/2025, 05:30pm IST
to Thu 01/23/2025, 05:30am IST

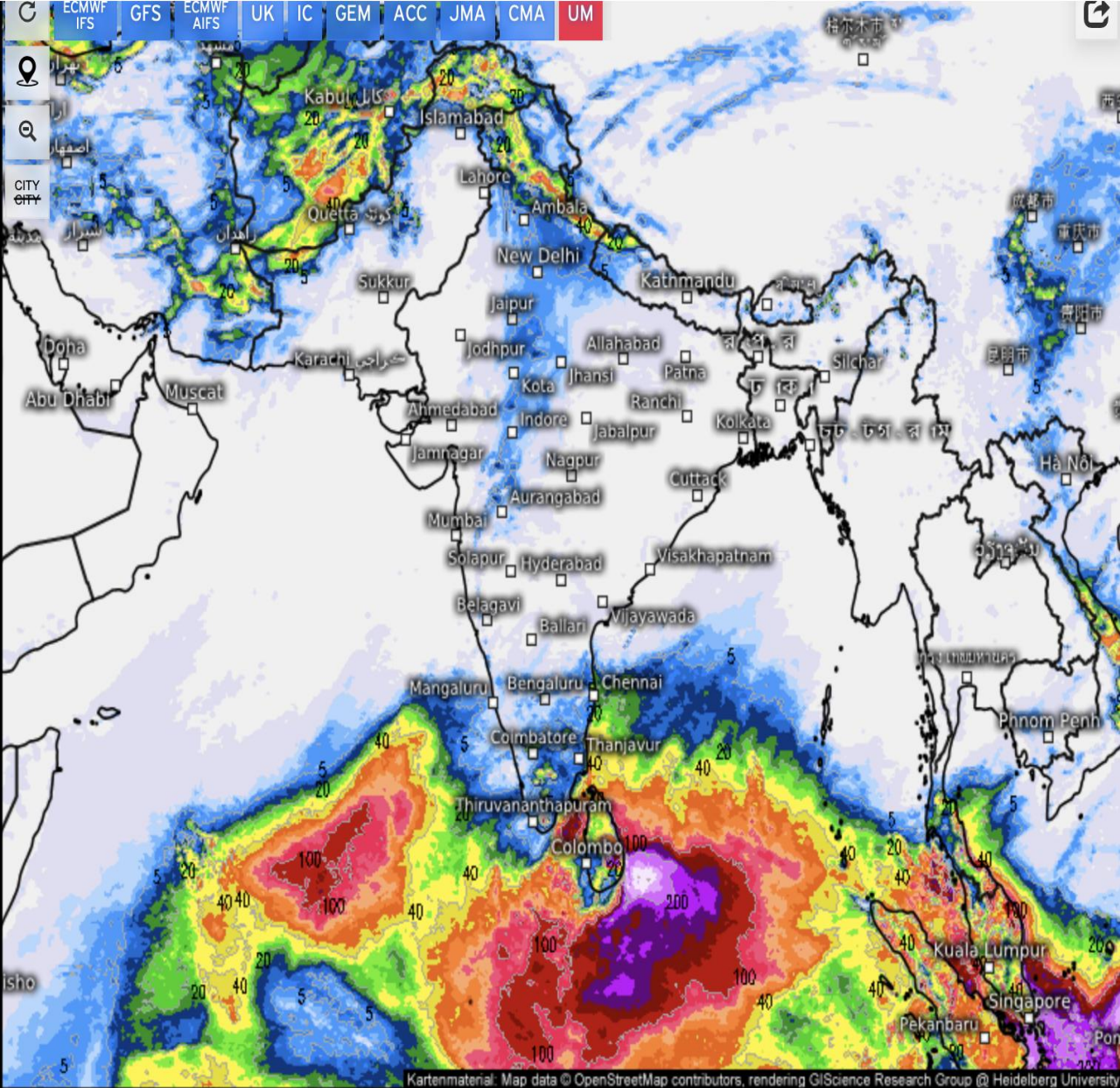


From Wed 01/15/2025, 05:30pm IST
to Thu 01/23/2025, 05:30am IST

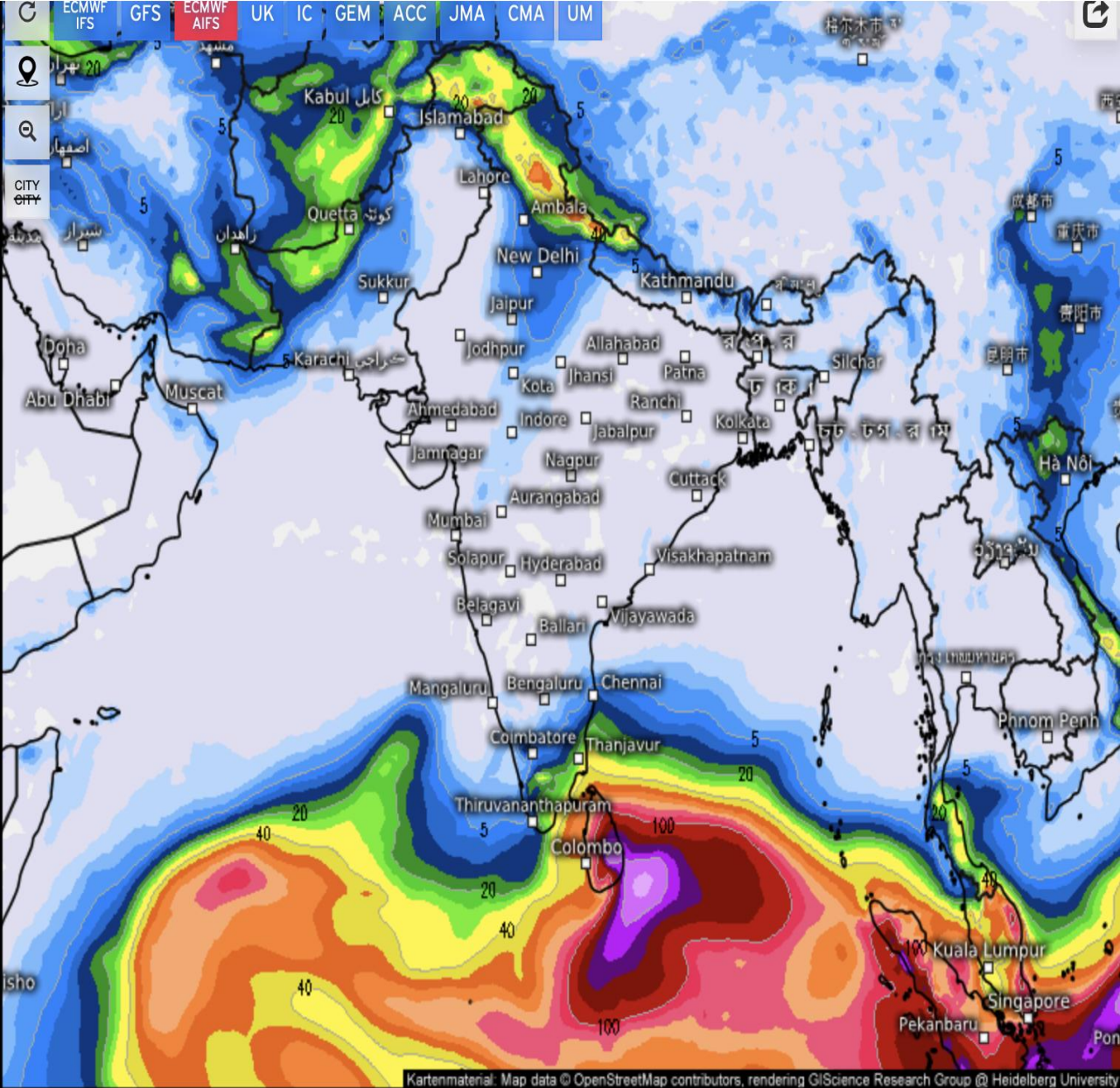
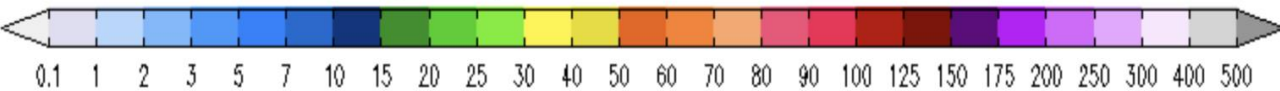


Accumulated total precipitation (mm)

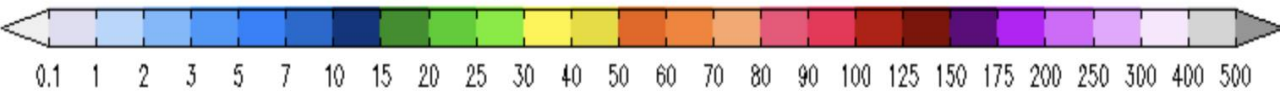


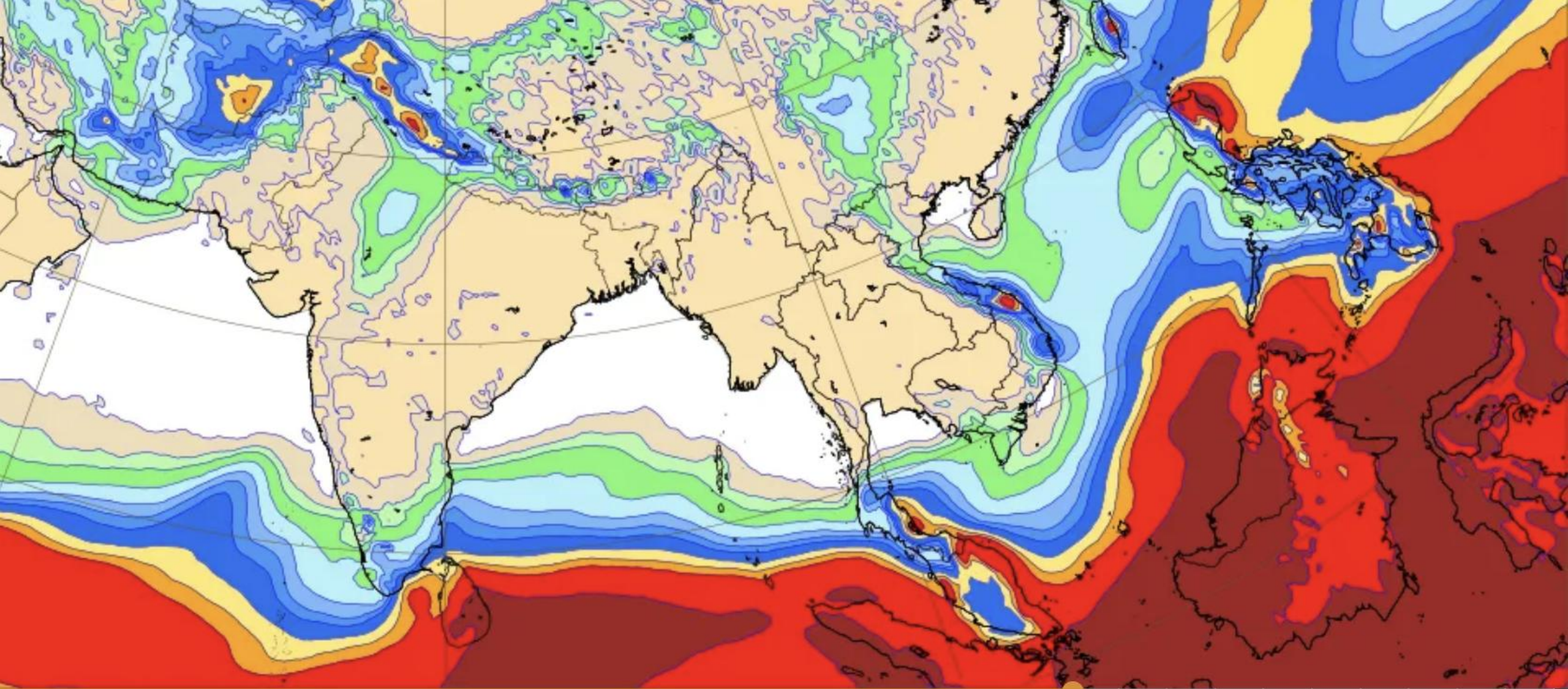


Accumulated total precipitation (mm)



Accumulated total precipitation (mm)





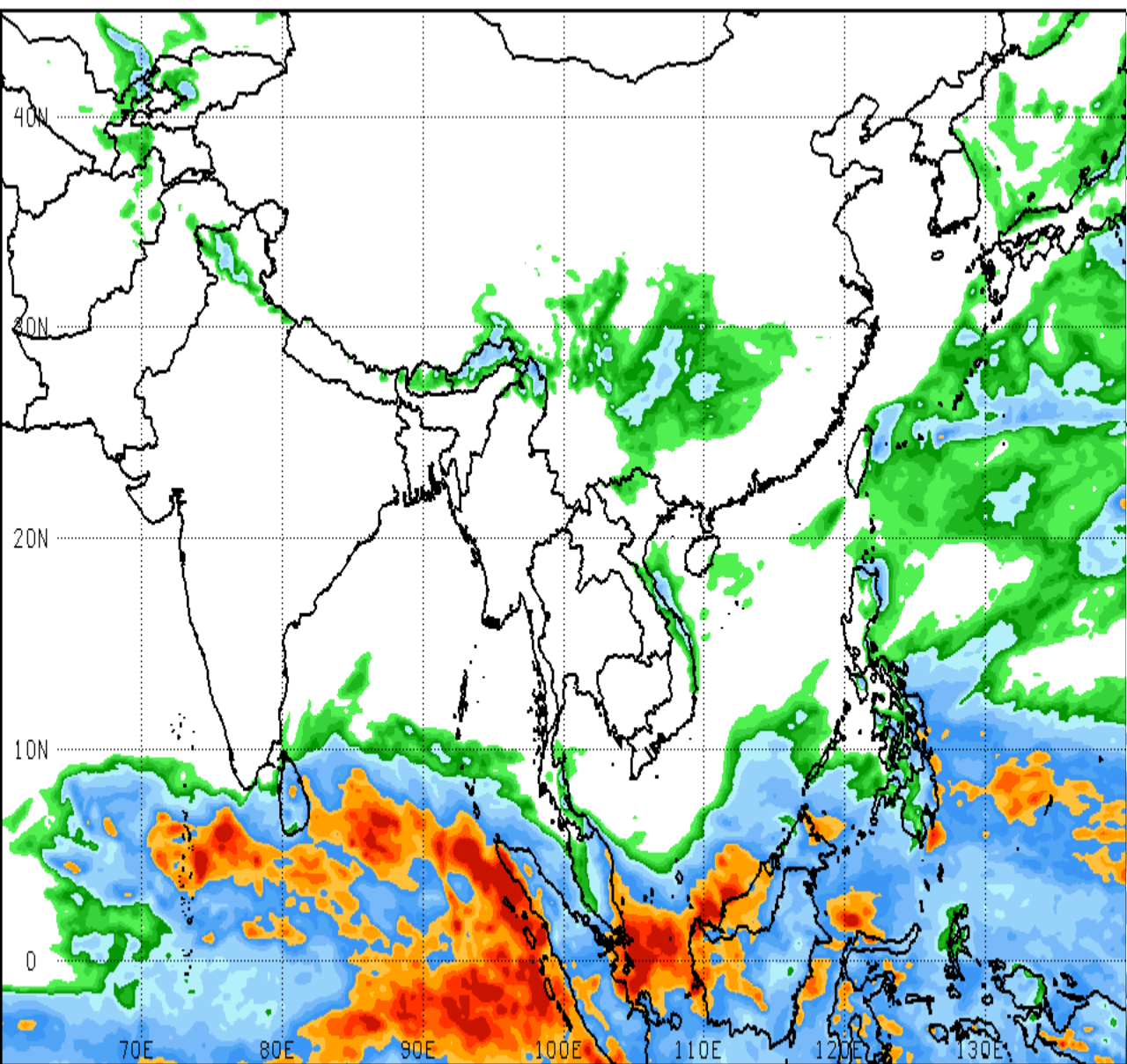
Thu 23 Jan 2025 00 UTC (T+180)



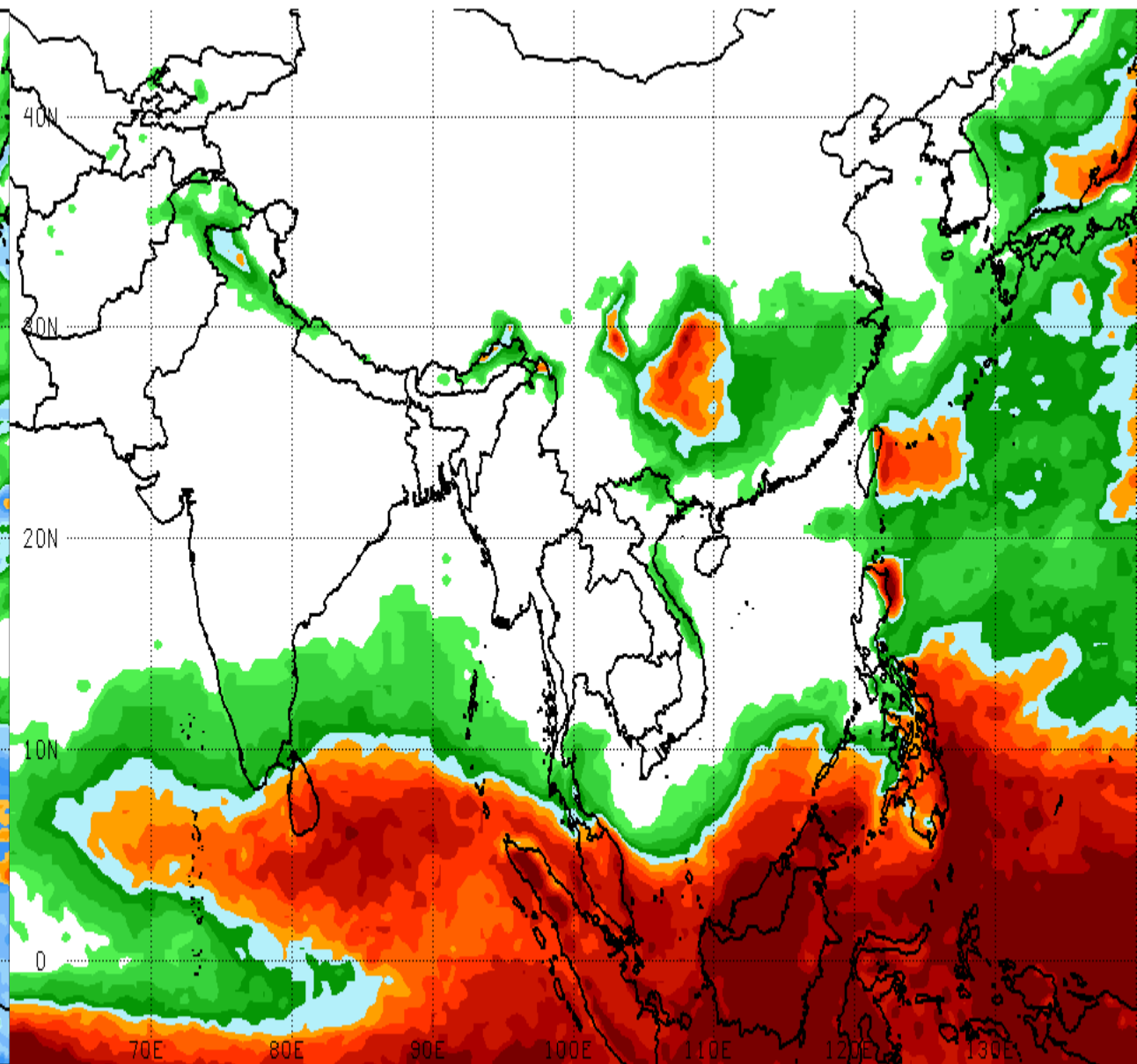
Experimental: GraphCast (Google Deepmind) ML model: Total accumulated precipitation (mm) X

0.1 1 2 5 10 15 20 30 40 50 100 300 1000

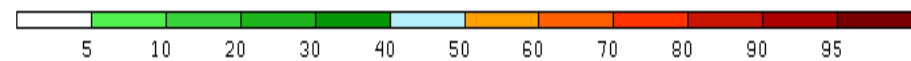


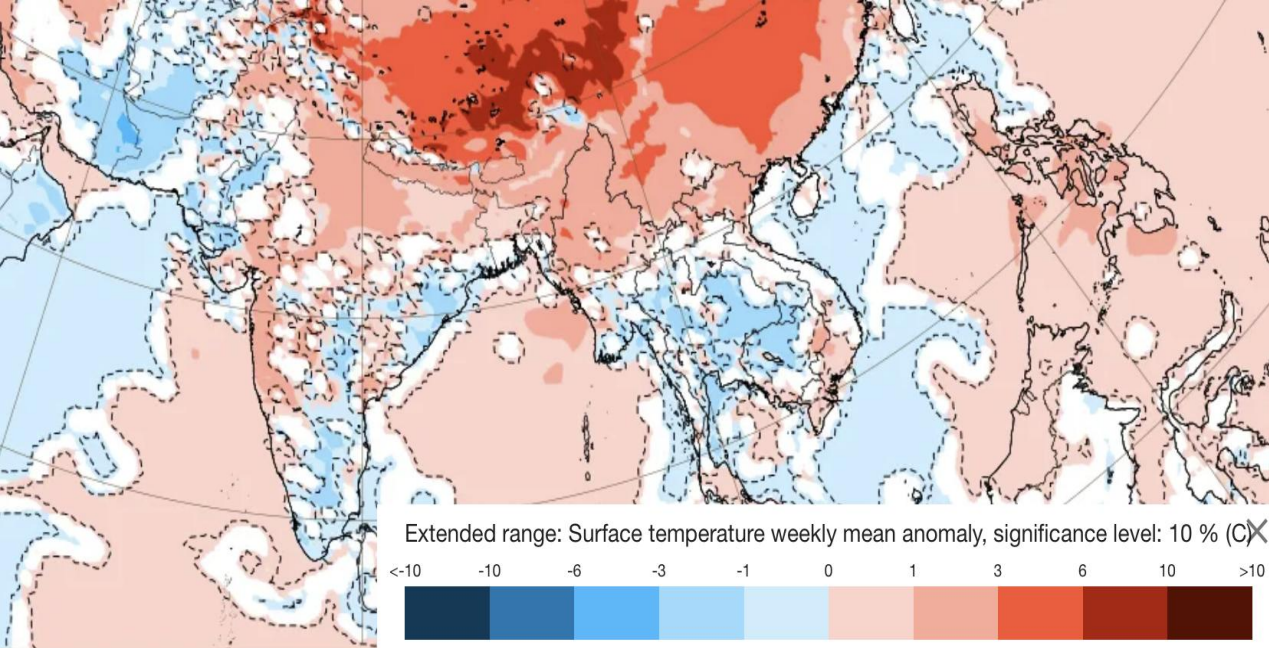


NOAA GFS 20250115 t18z cycle FCST week2 Total Precip (mm) VALID 2025012918Z

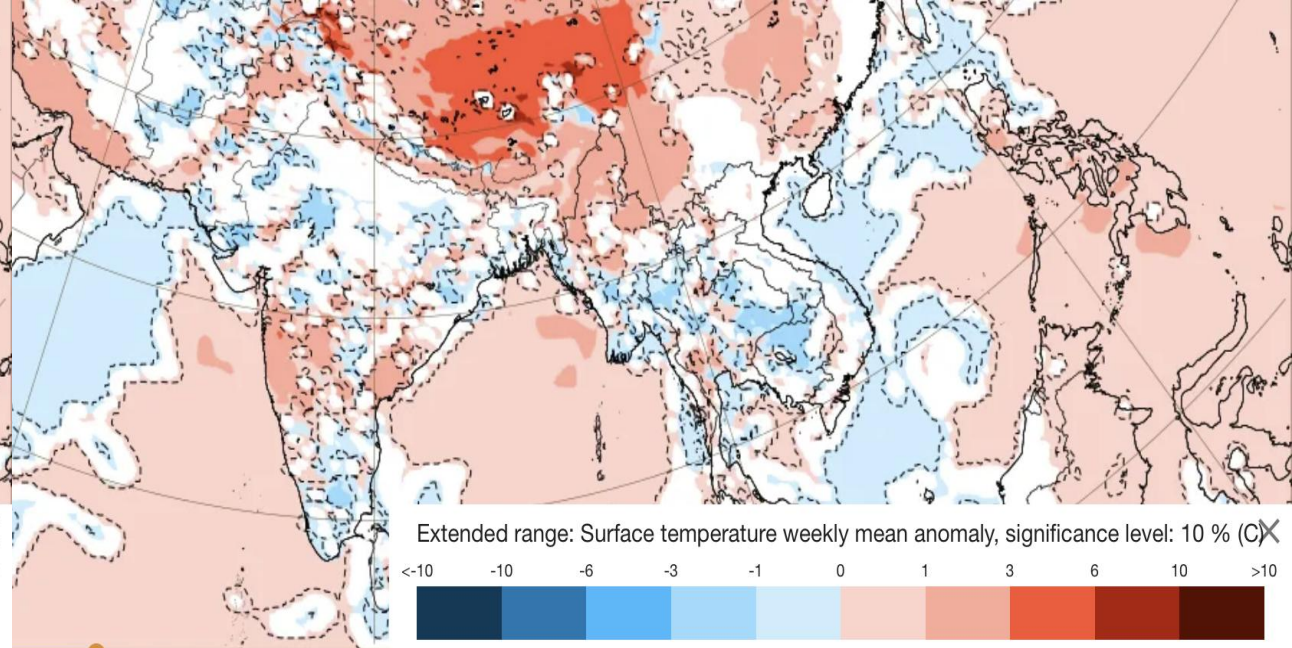


NOAA GEFS 20250115 00zCYC FCST Probability of Week2 Precip > 25mm VALID 20250129/1800V336

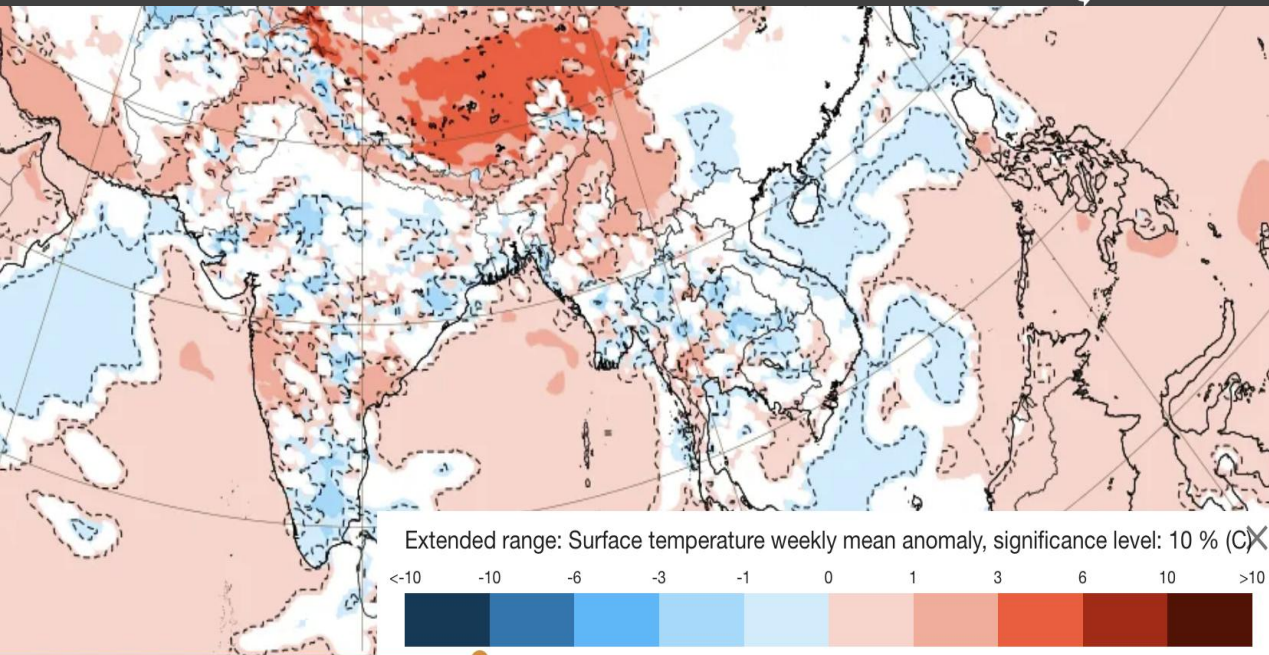




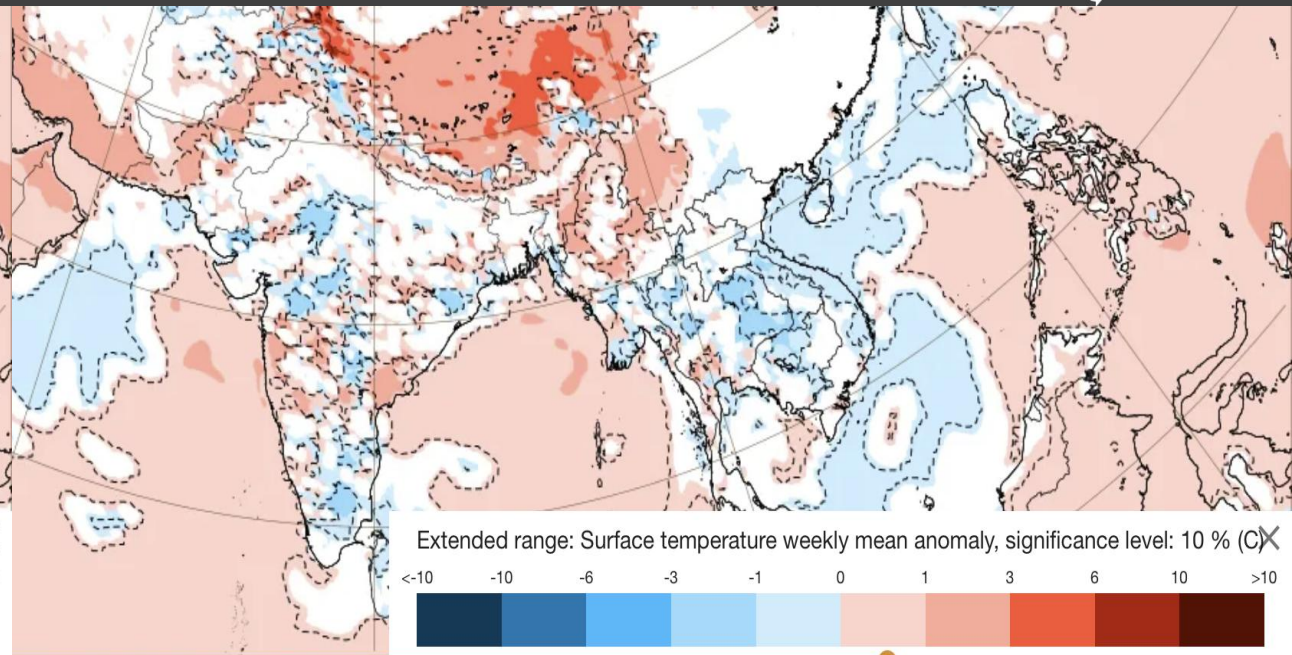
Mon 20 Jan 2025 - Mon 27 Jan 2025



Mon 27 Jan 2025 - Mon 03 Feb 2025



Mon 03 Feb 2025 - Mon 10 Feb 2025



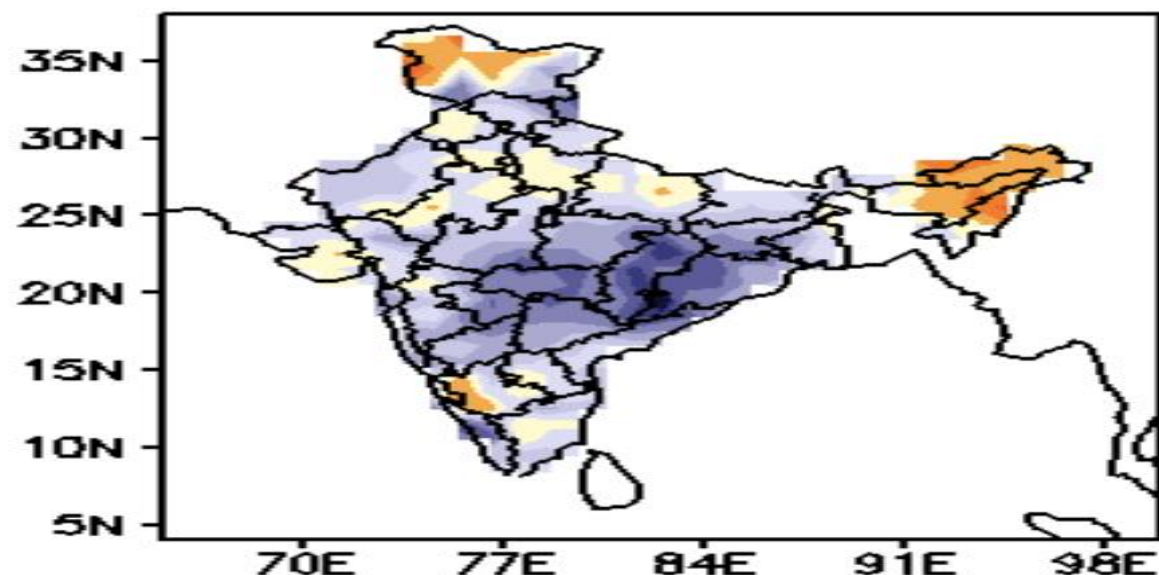
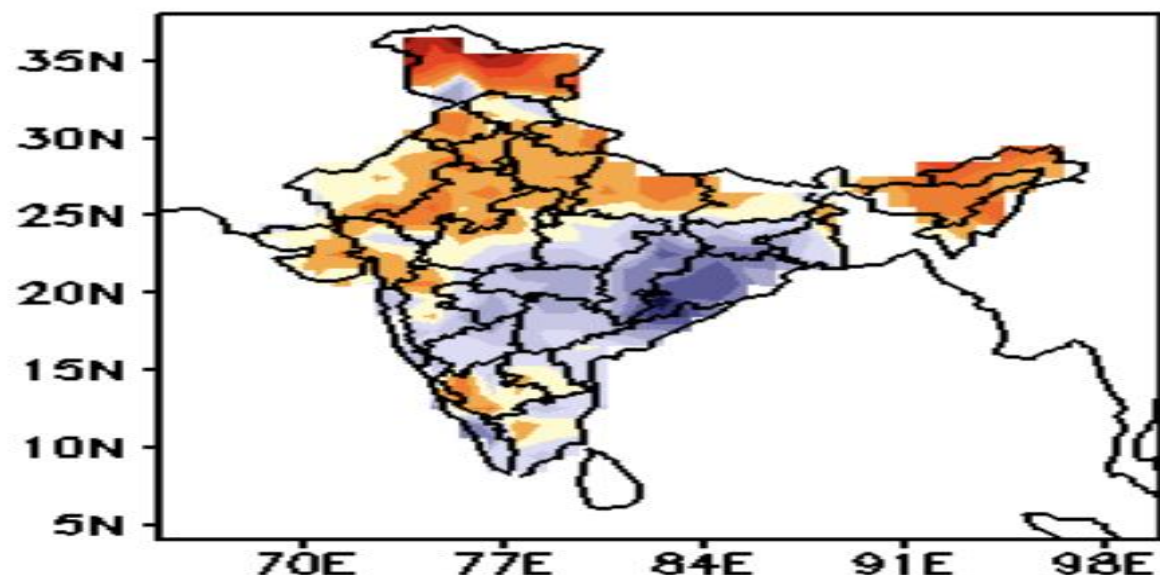
Mon 10 Feb 2025 - Mon 17 Feb 2025



MME forecast Tmin anomaly (Deg C)

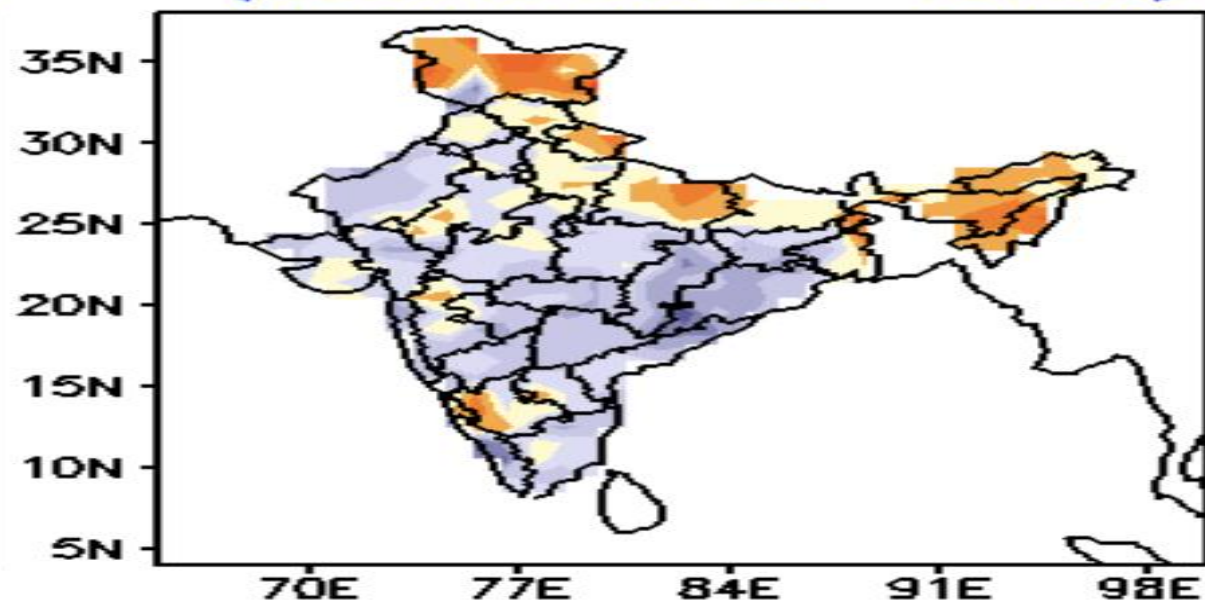
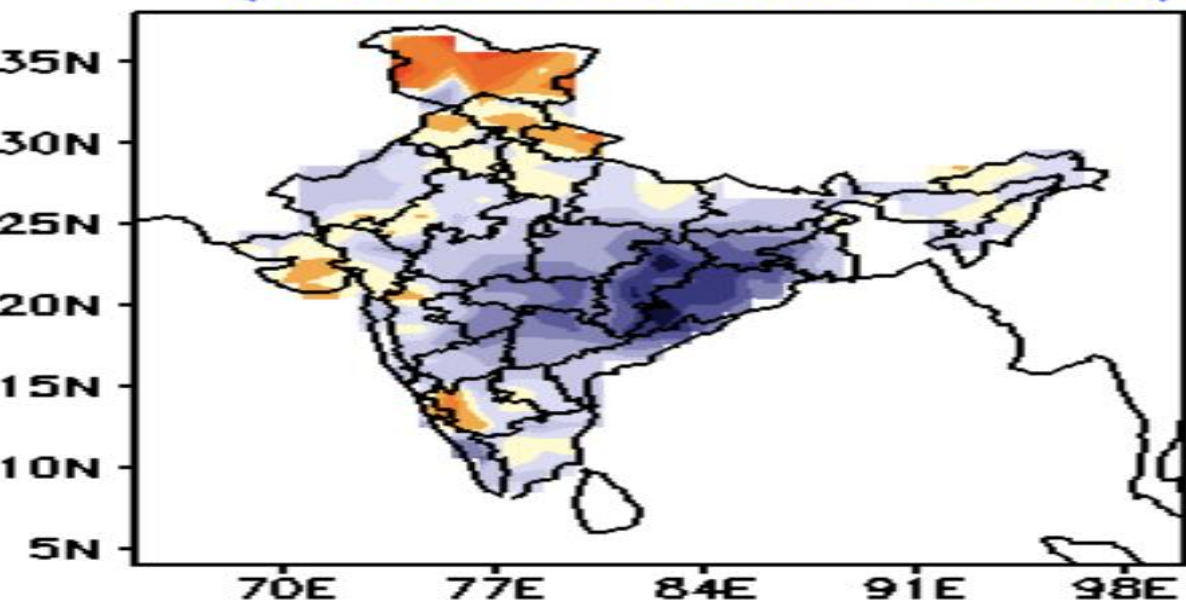
(Week1: 17Jan-23Jan)

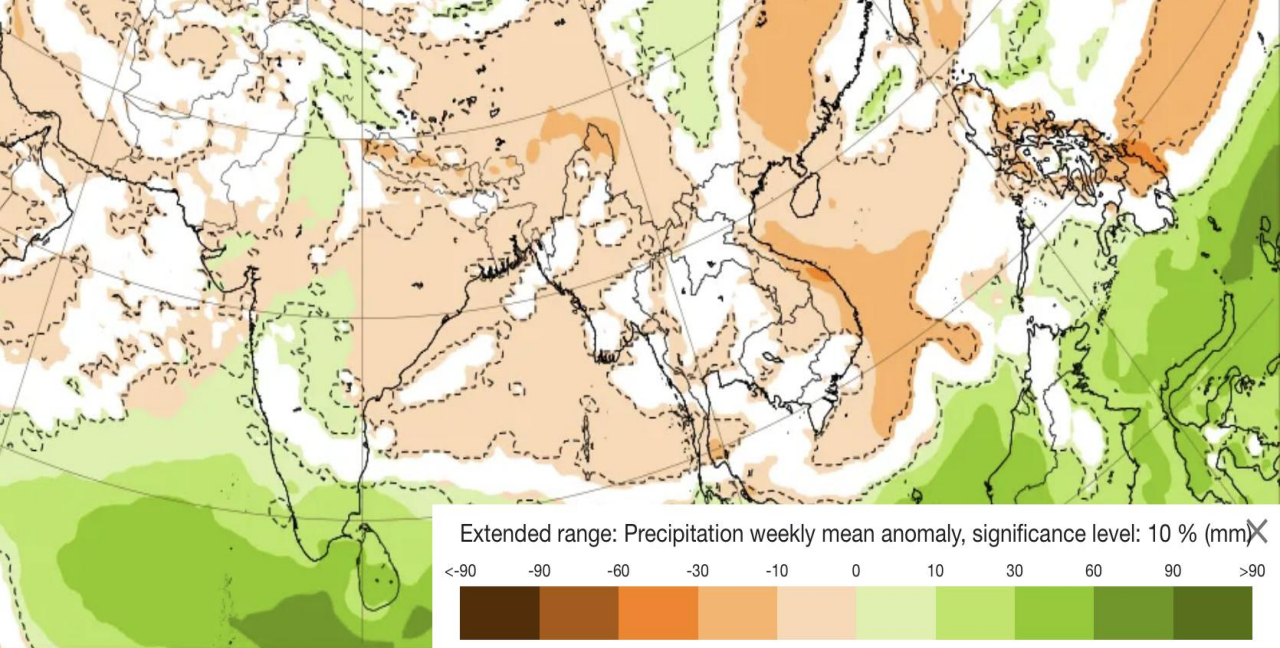
(Week2: 24Jan-30Jan)



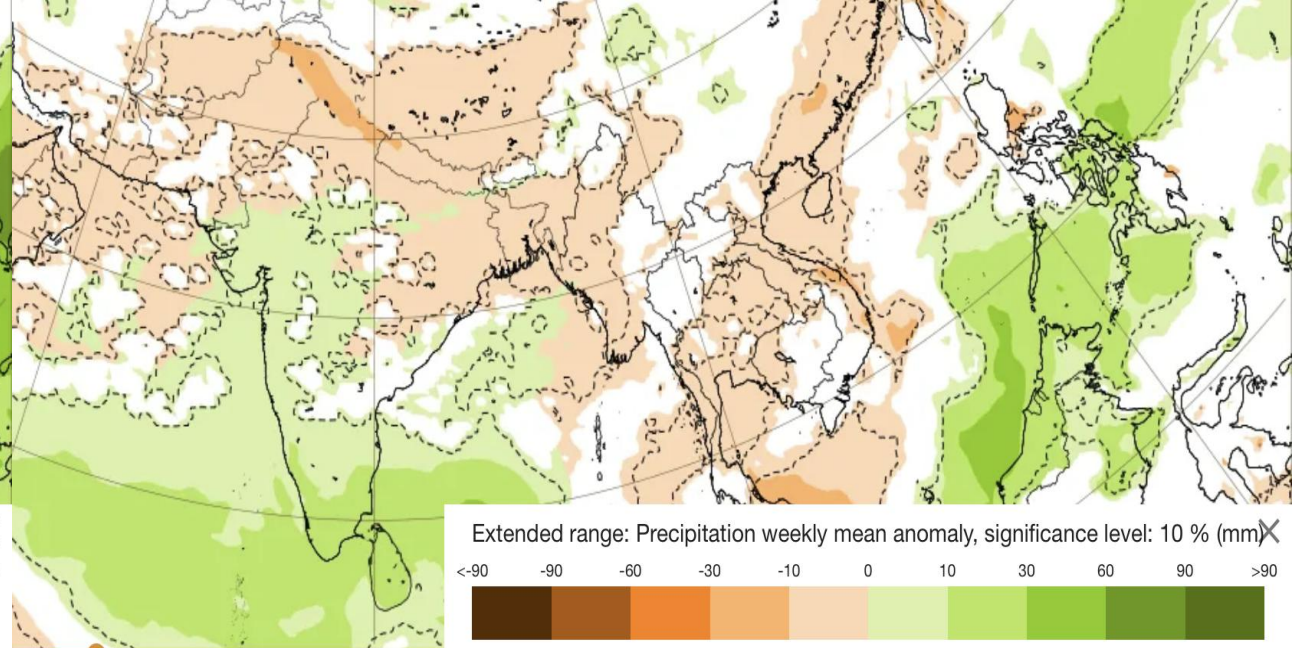
(Week3: 31Jan-06Feb)

(Week4: 07Feb-13Feb)

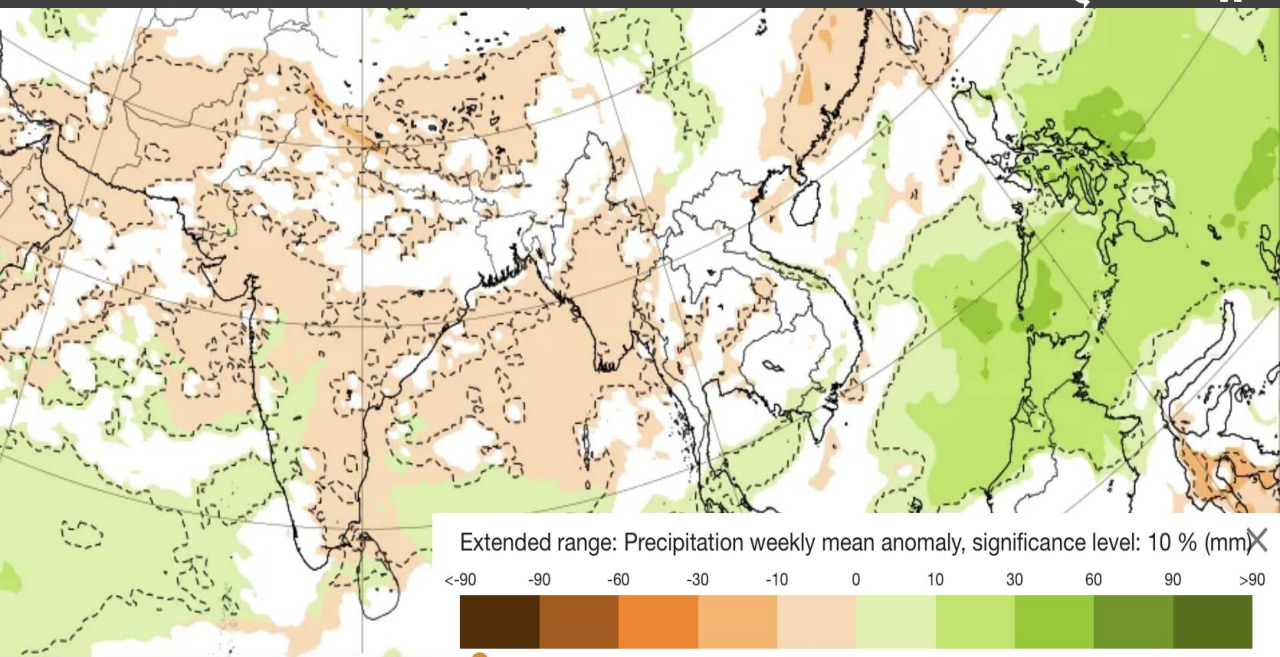




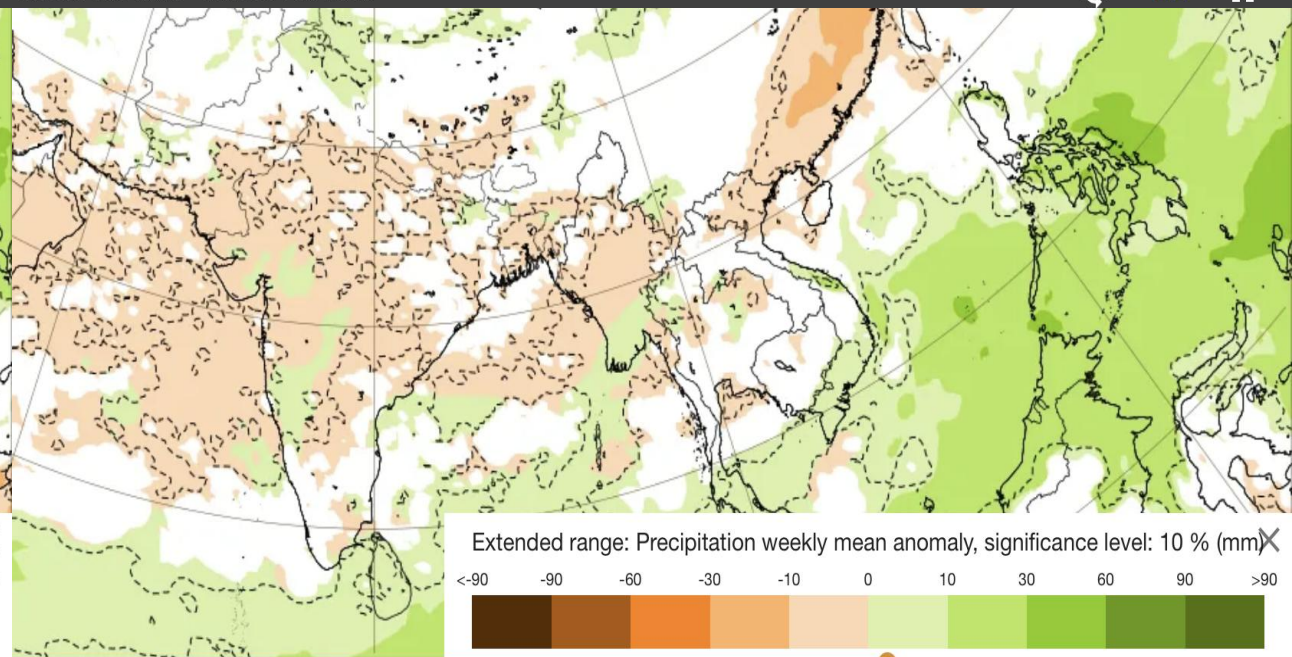
Mon 20 Jan 2025 - Mon 27 Jan 2025



Mon 27 Jan 2025 - Mon 03 Feb 2025



Mon 03 Feb 2025 - Mon 10 Feb 2025

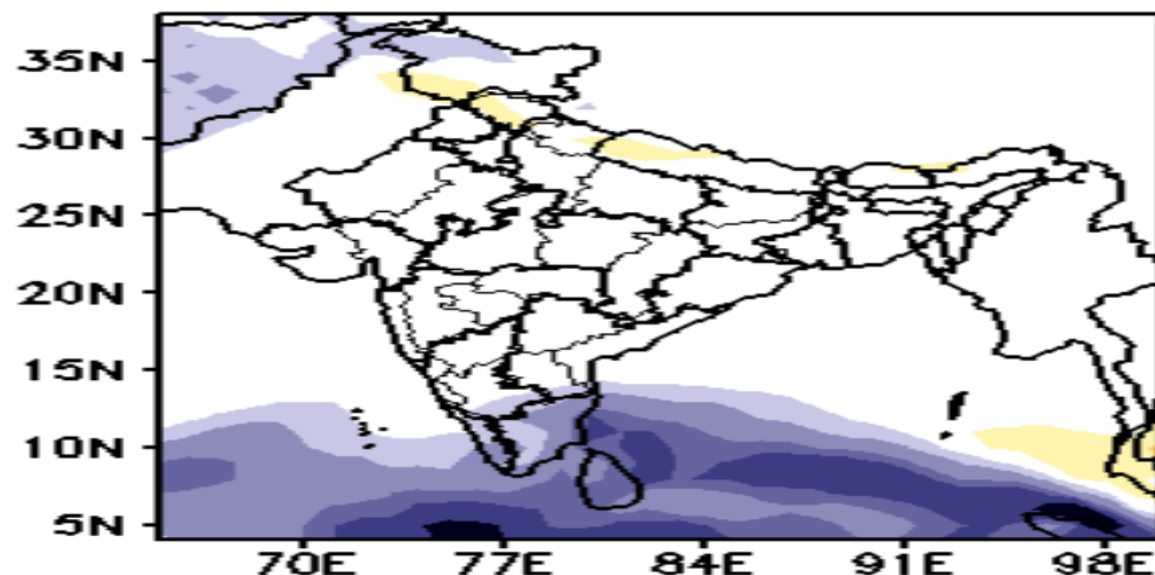


Mon 10 Feb 2025 - Mon 17 Feb 2025

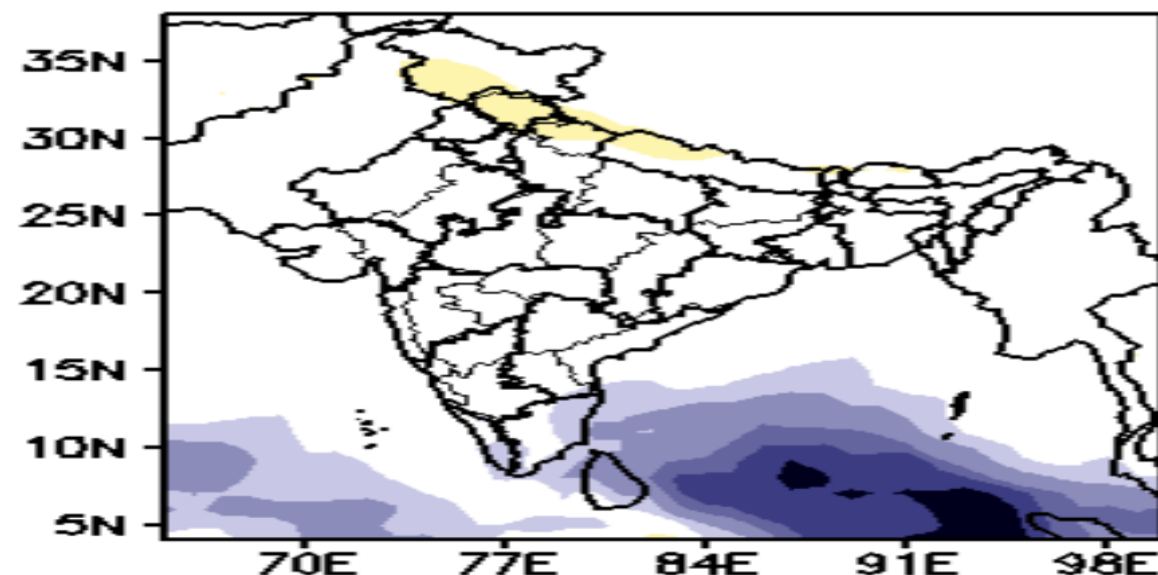


Forecast Rainfall Anomaly (mm/day) (00Z=0530 hrs IST)

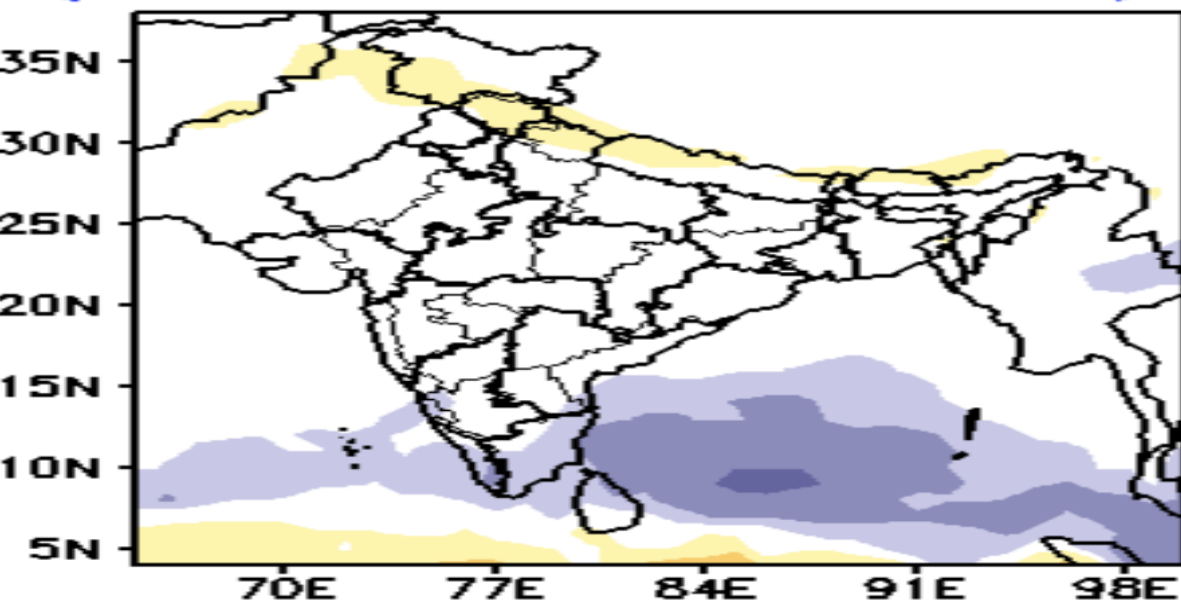
(Week1:00Z16Jan-00Z23Jan)



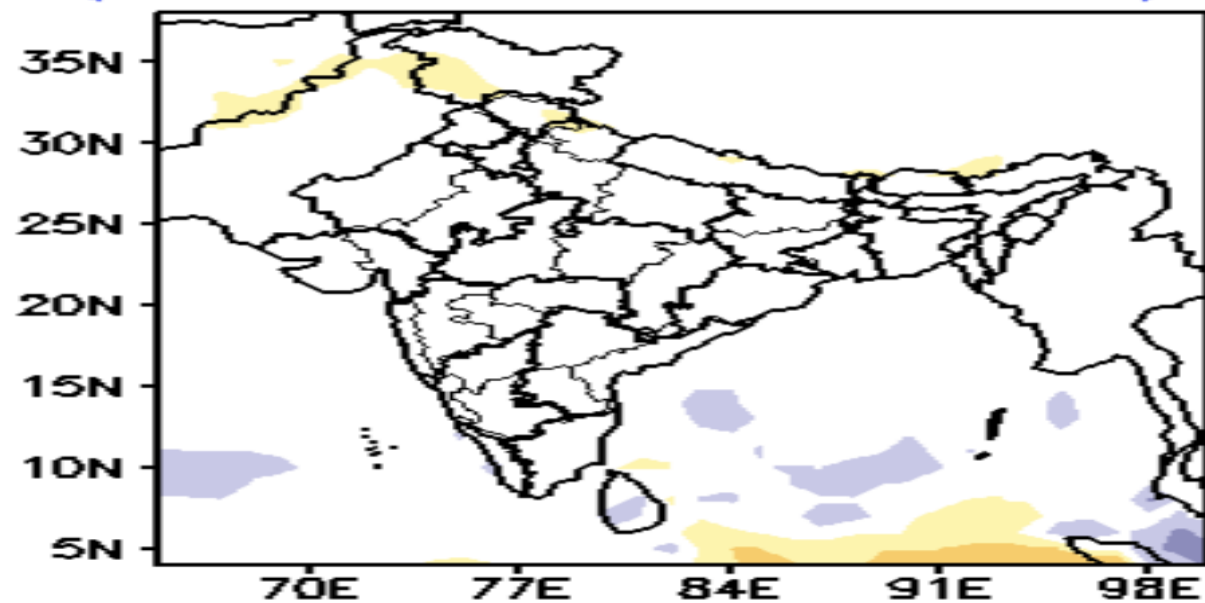
(Week2:00Z23Jan-00Z30Jan)

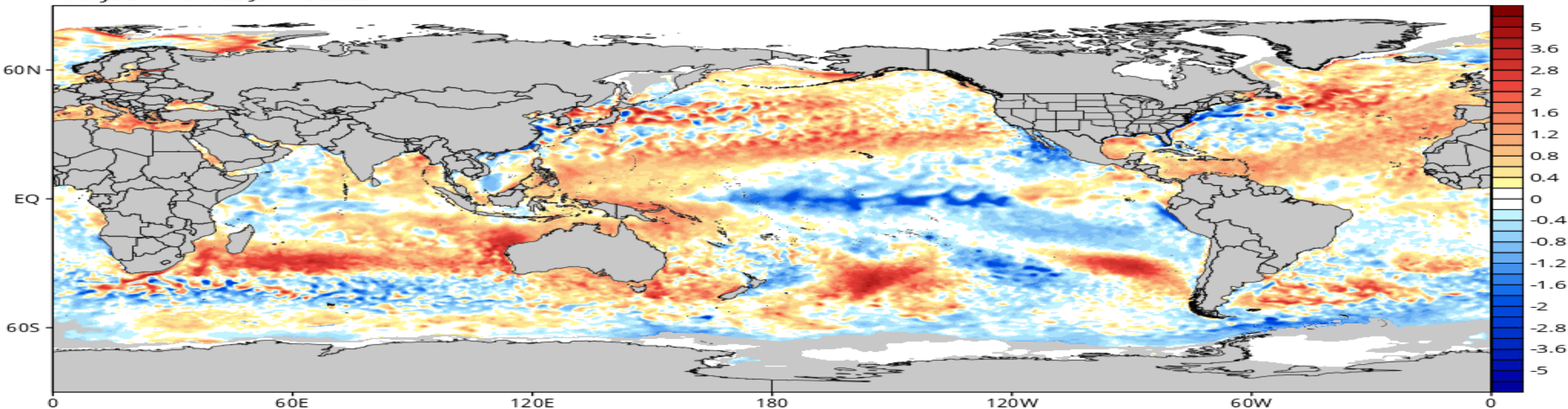


(Week3:00Z30Jan-00Z06Feb)

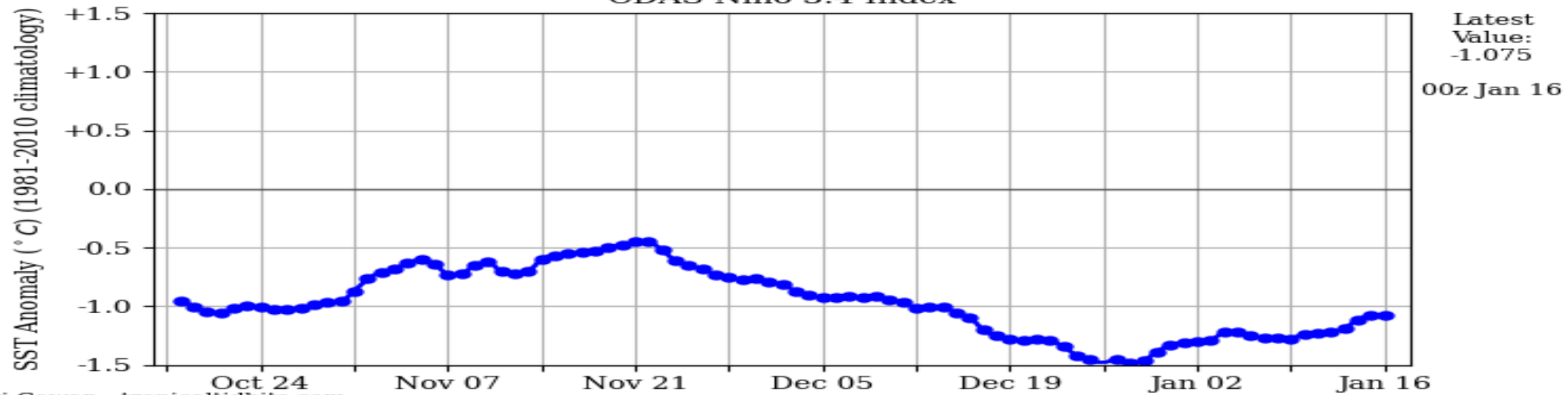


(Week4:00Z06Feb-00Z13Feb)



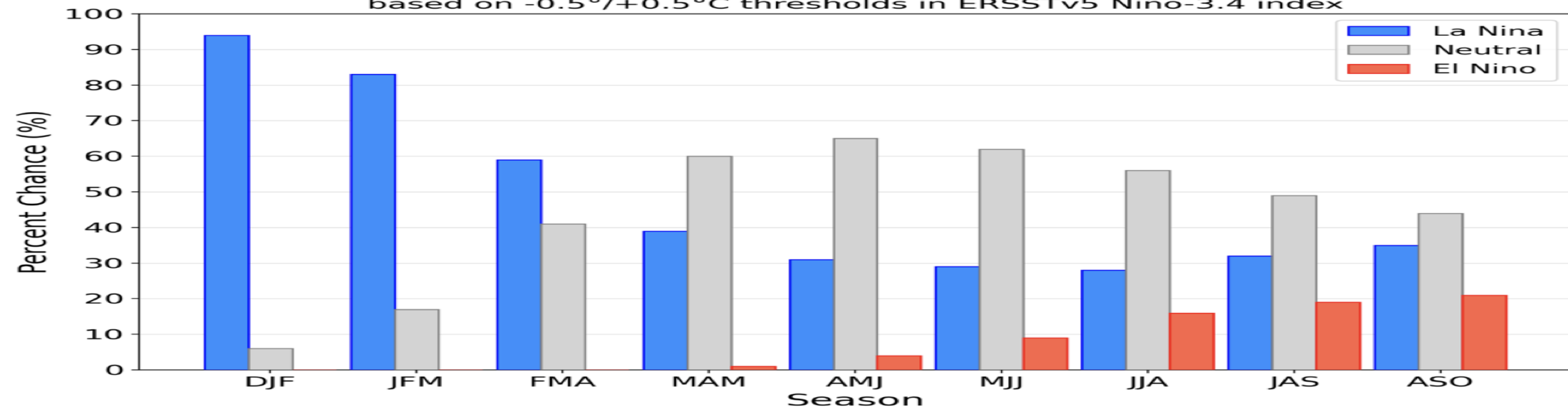


CDAS Niño 3.4 Index

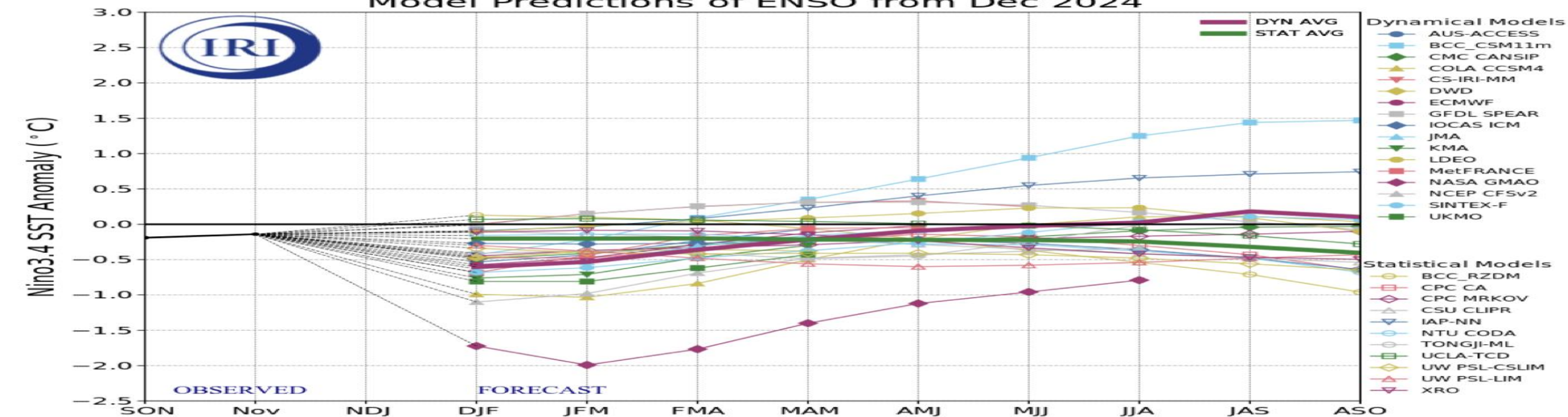


Official NOAA CPC ENSO Probabilities (issued January 2025)

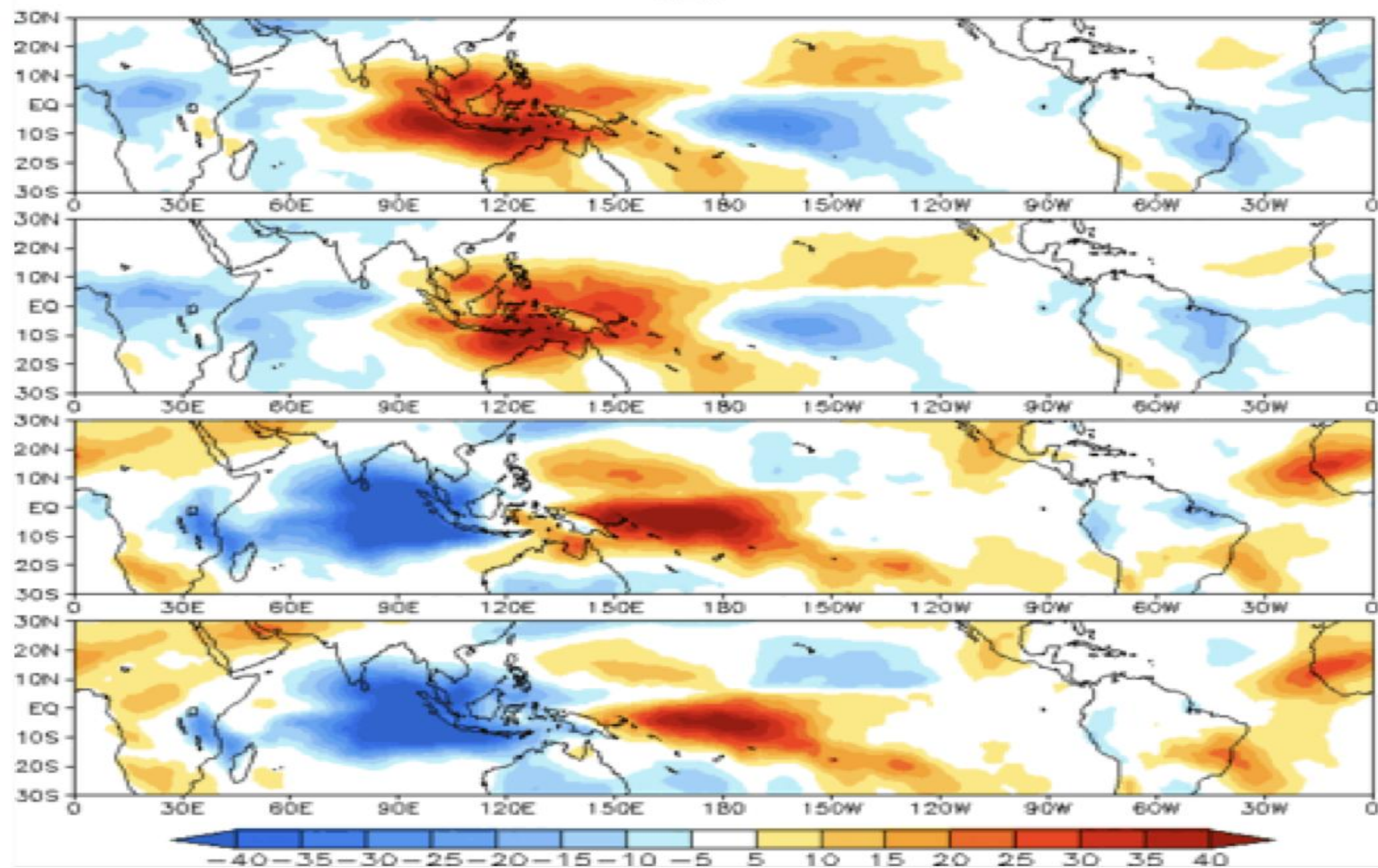
based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index



Model Predictions of ENSO from Dec 2024



Prediction of MJO-related anomalies using GEFS operational forecast
Initial date: 12 Jan 2025
OLR



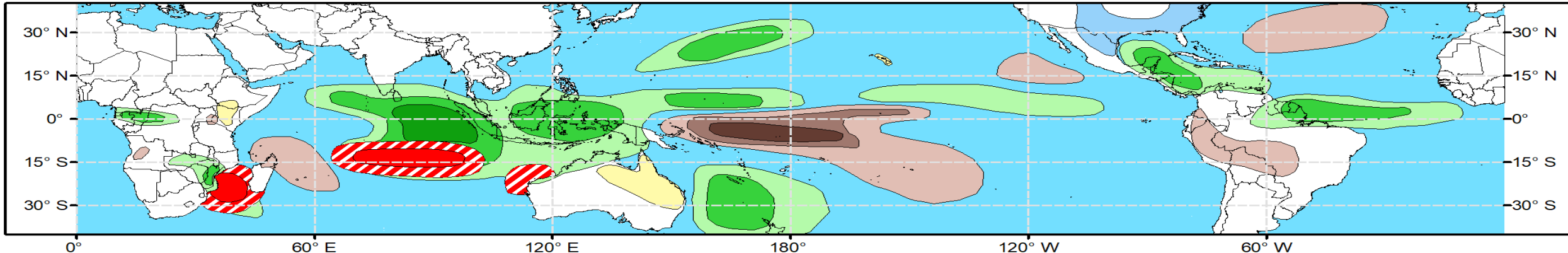


Global Tropics Hazards Outlook

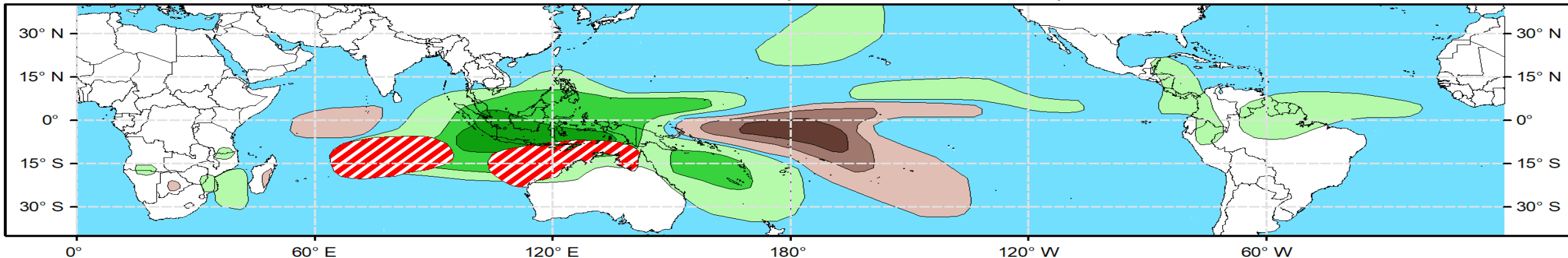
Climate Prediction Center



Week 2 - Valid: Jan 22, 2025 - Jan 28, 2025



Week 3 - Valid: Jan 29, 2025 - Feb 04, 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**

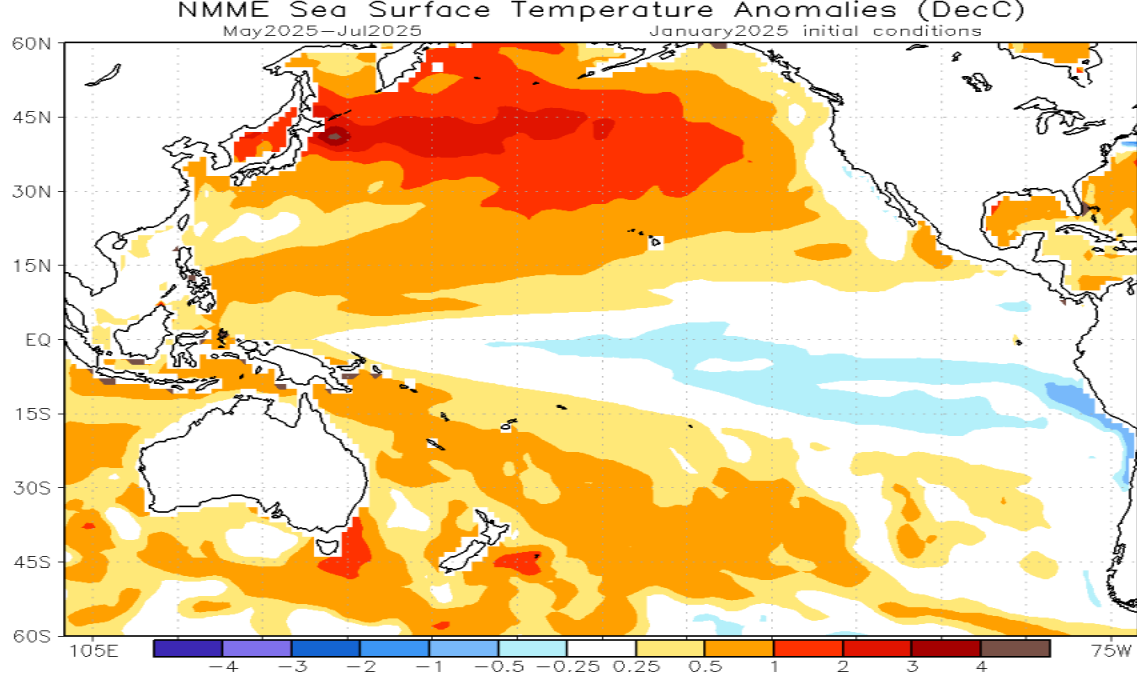


>50% >65% >80%

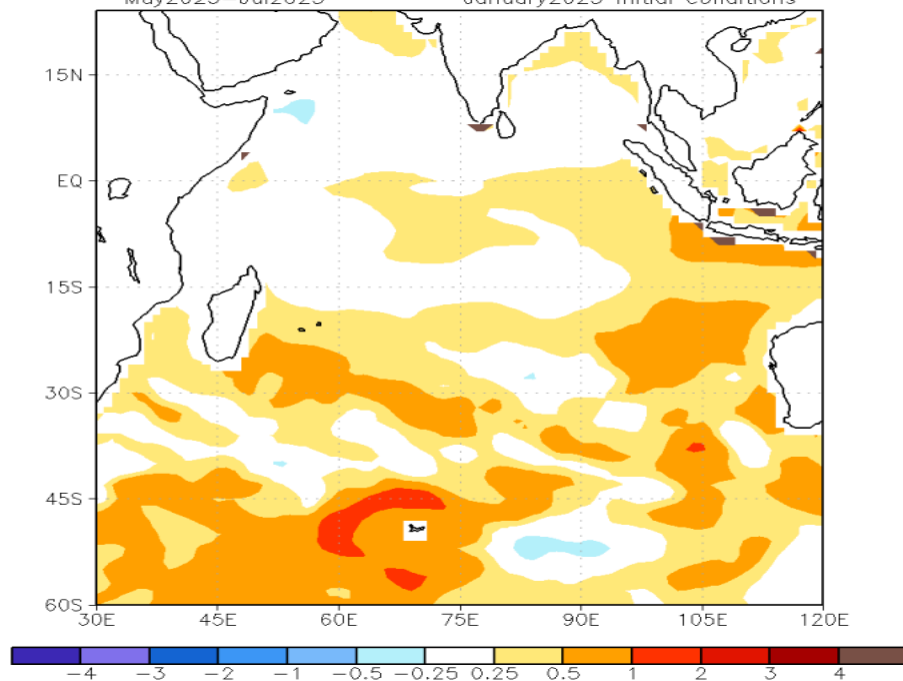
*7-day min temperatures in the
Lower third of the historical range*

**Issued: 01/14/2025
Forecaster: Novella**

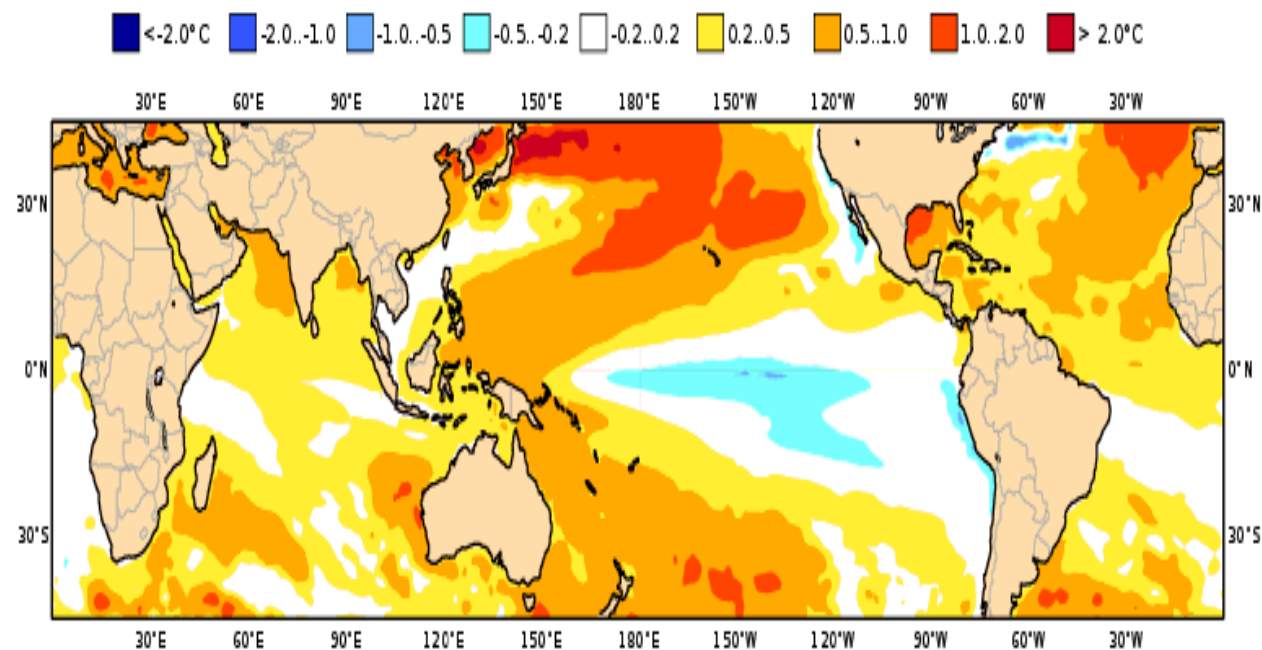
**This product is updated once per week and targets broad scale conditions integrated over a 7-day period for US interests only.
Consult your local responsible forecast agency.**



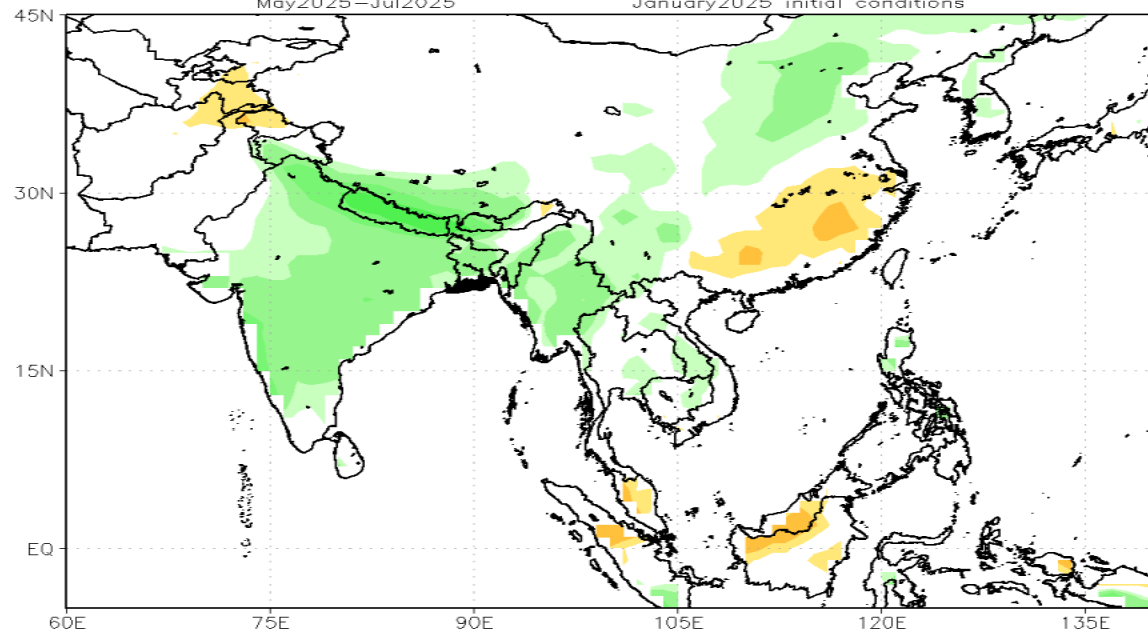
NMME Sea Surface Temperature Anomalies (DecC)
May2025-Jul2025 January2025 initial conditions



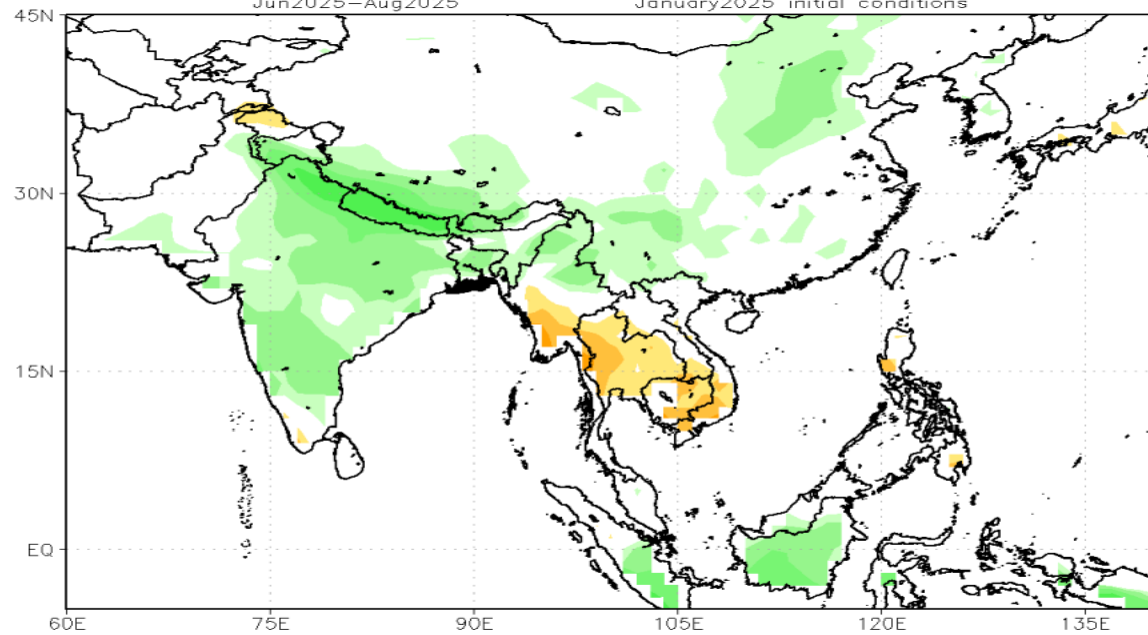
C3S multi-system seasonal forecast ECMWF/Met Office/Météo-France/CMCC/DWD/NCEP/JMA/ECCC
Mean forecast SST anomaly
Nominal forecast start: 01/01/25
Variance-standardized mean
MAM 2025



NMME Precipitation Anomalies (mm/day)
May2025–Jul2025 January2025 initial conditions



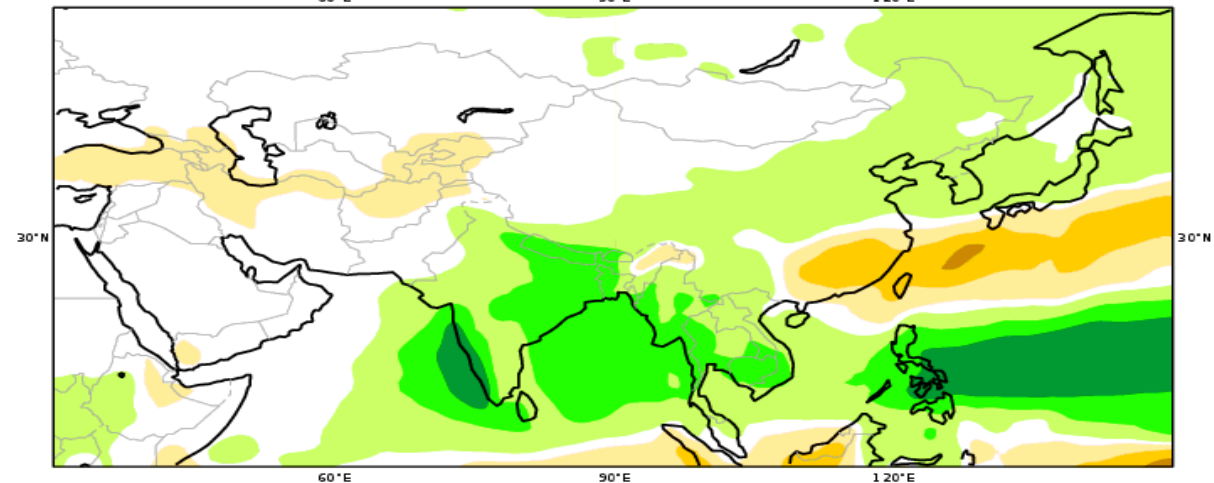
NMME Precipitation Anomalies (mm/day)
Jun2025–Aug2025 January2025 initial conditions



C3S multi-system seasonal forecast
Mean precipitation anomaly

Nominal forecast start: 01/01/25
Variance-standardized mean

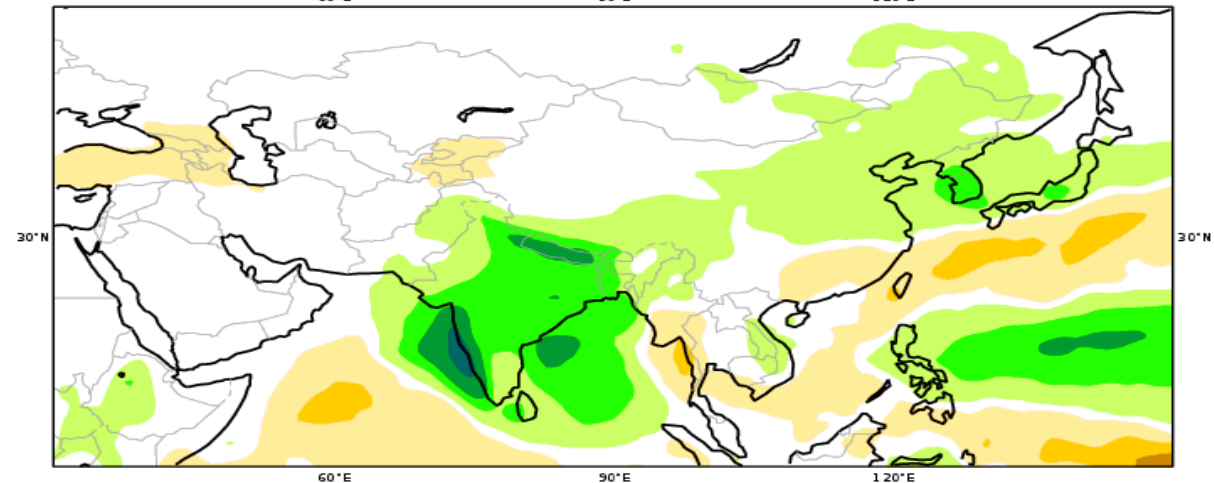
Legend: <-200mm, -200...-100, -100...-50, -50...-10, -10...10, 10...50, 50...100, 100...200, >200mm



C3S multi-system seasonal forecast
Mean precipitation anomaly

Nominal forecast start: 01/01/25
Variance-standardized mean

Legend: <-100mm, -100...-50, -50...-25, -25...-5, -5...5, 5...25, 25...50, 50...100, >100mm



ECMWF/Met Office/Météo-France/CMCC/DWD/NCEP/JMA/ECCC
AMJ 2025

ECMWF/Met Office/Météo-France/CMCC/DWD/NCEP/JMA/ECCC
JUN 2025