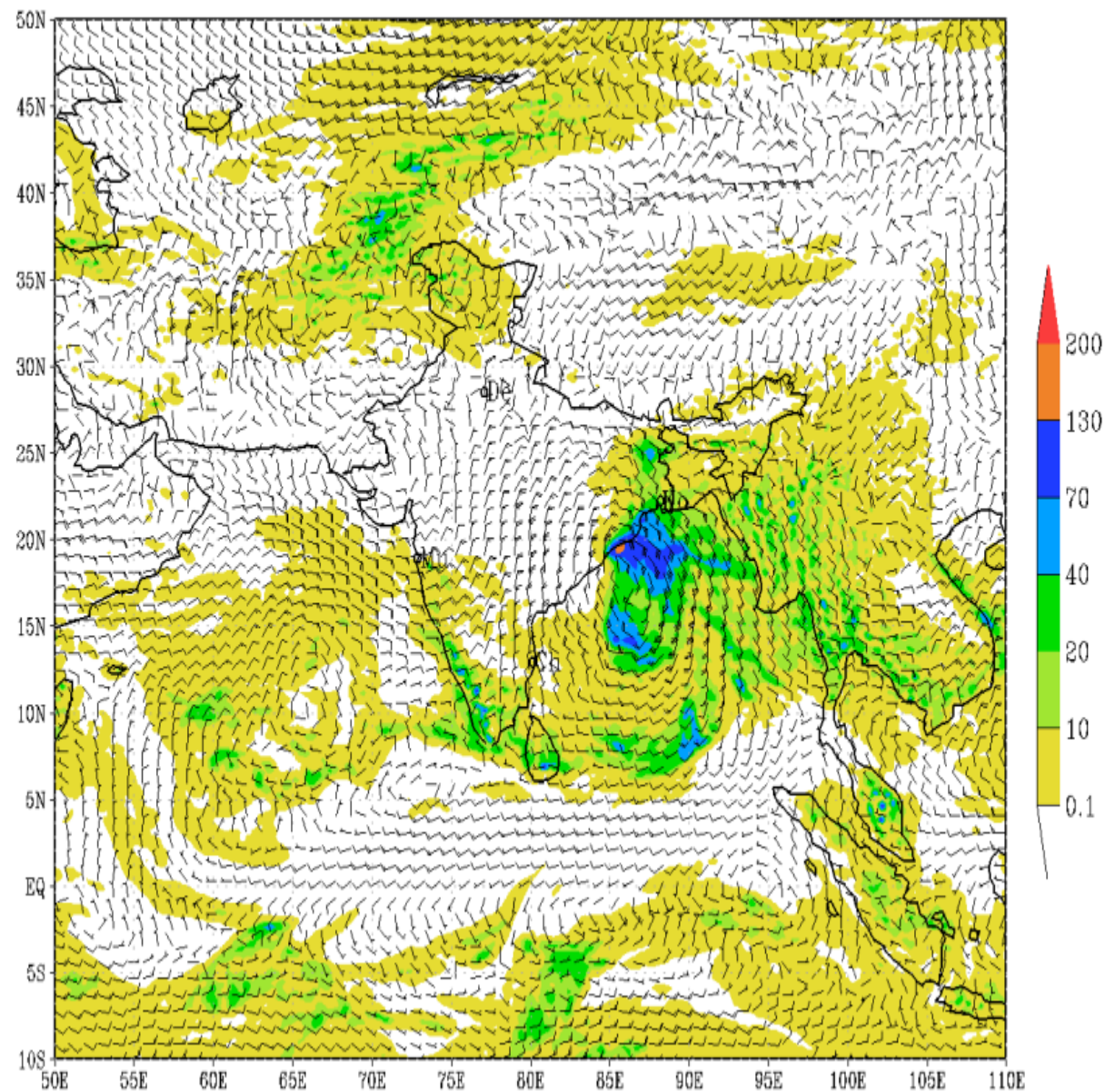
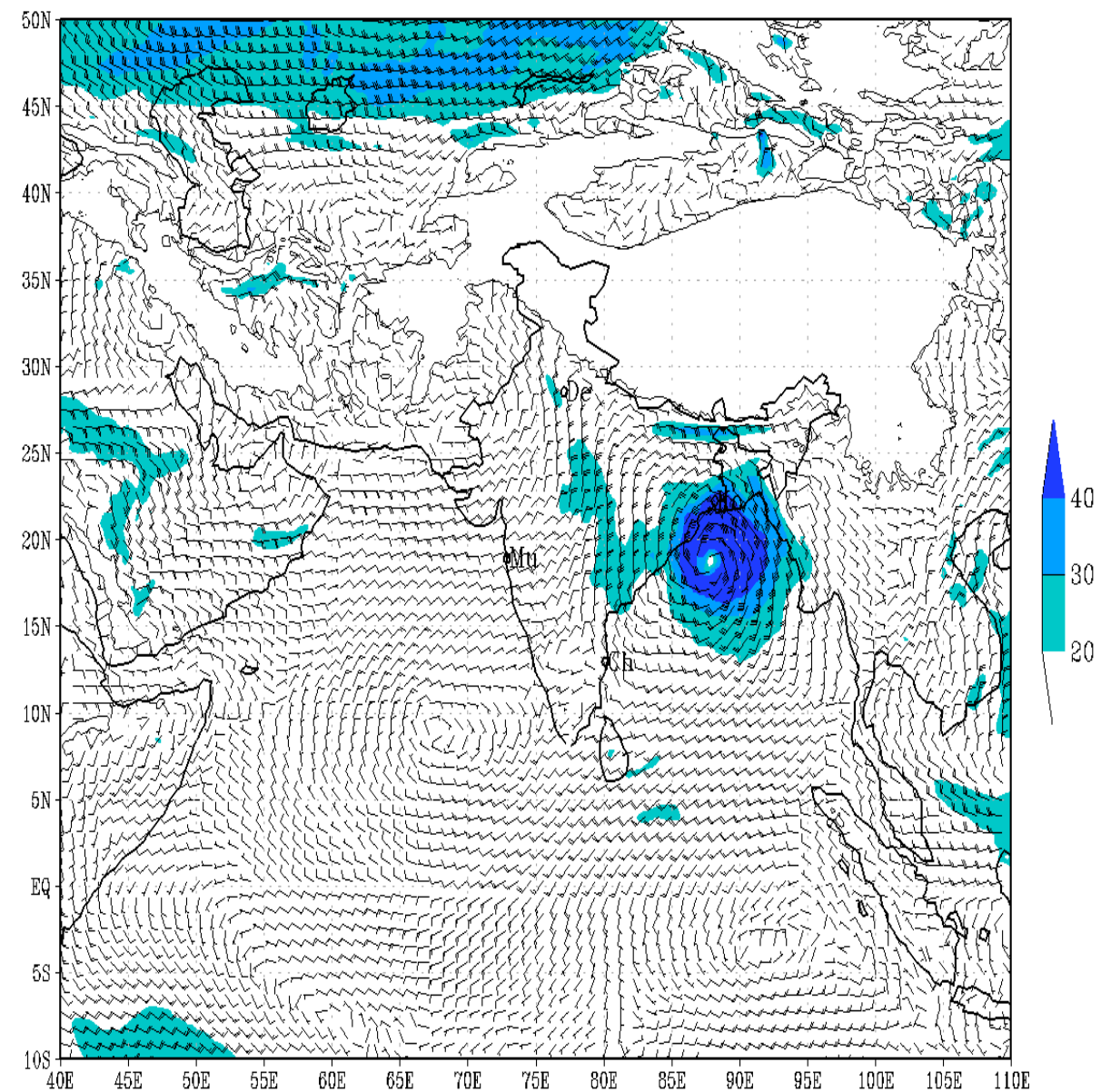


IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (168 HR)
based on 00 UTC of 17-10-2024 valid for 03 UTC of 24-10-2024

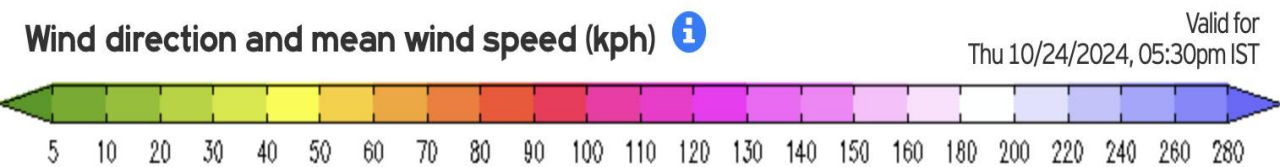
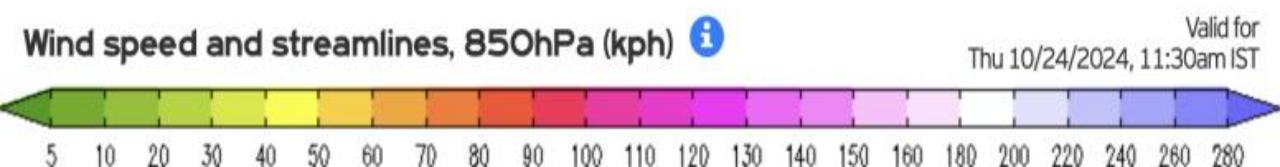
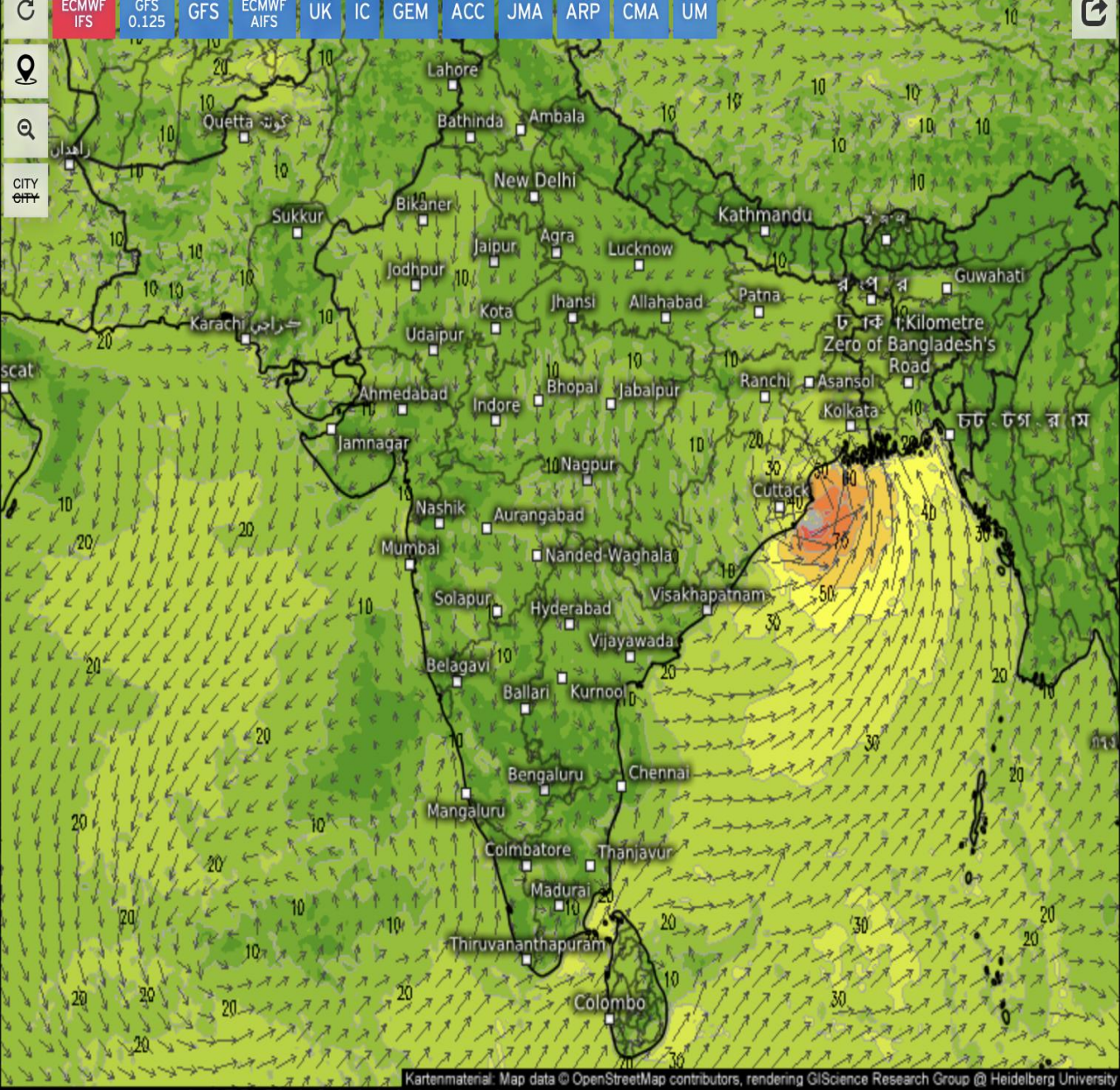
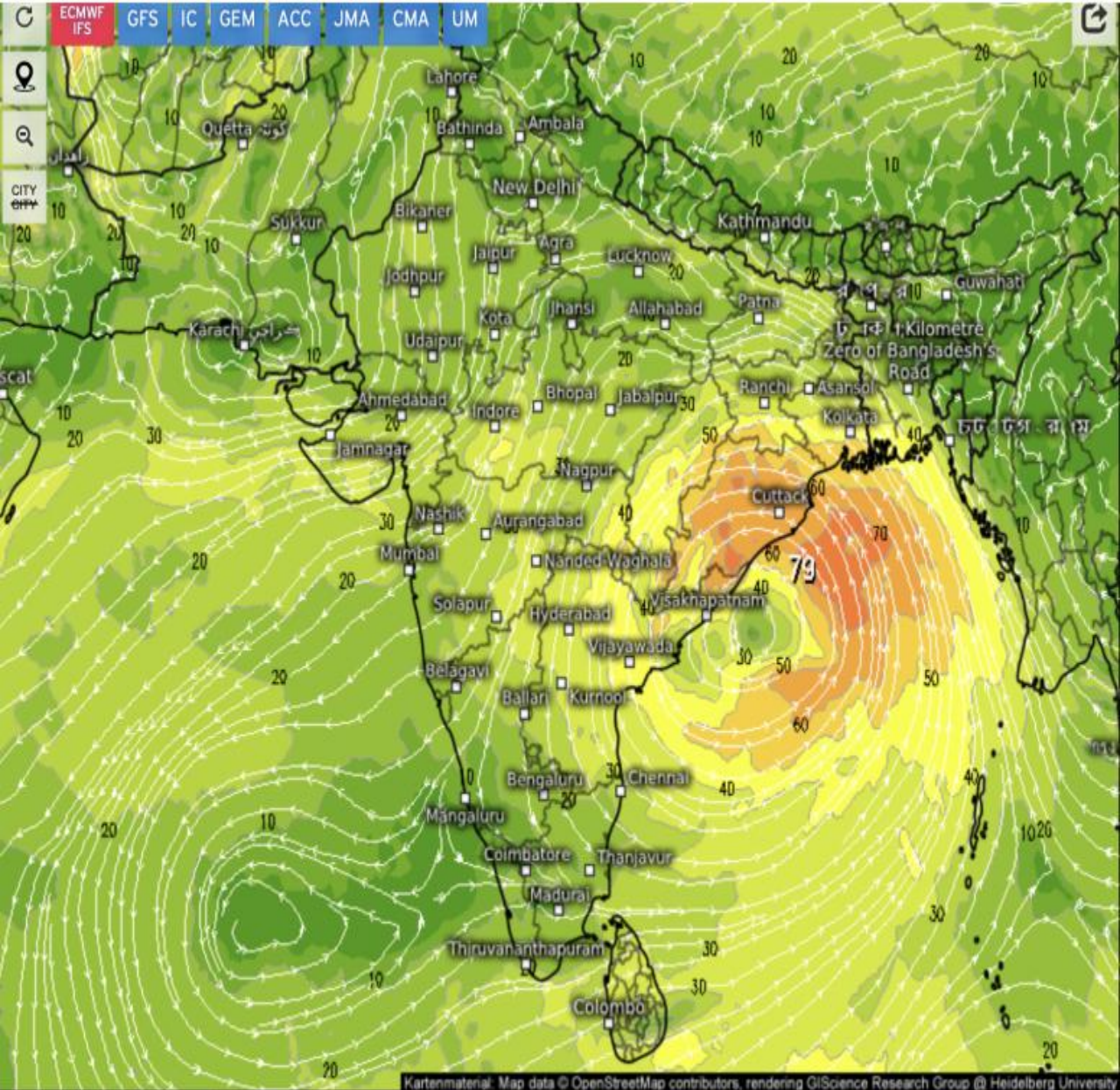


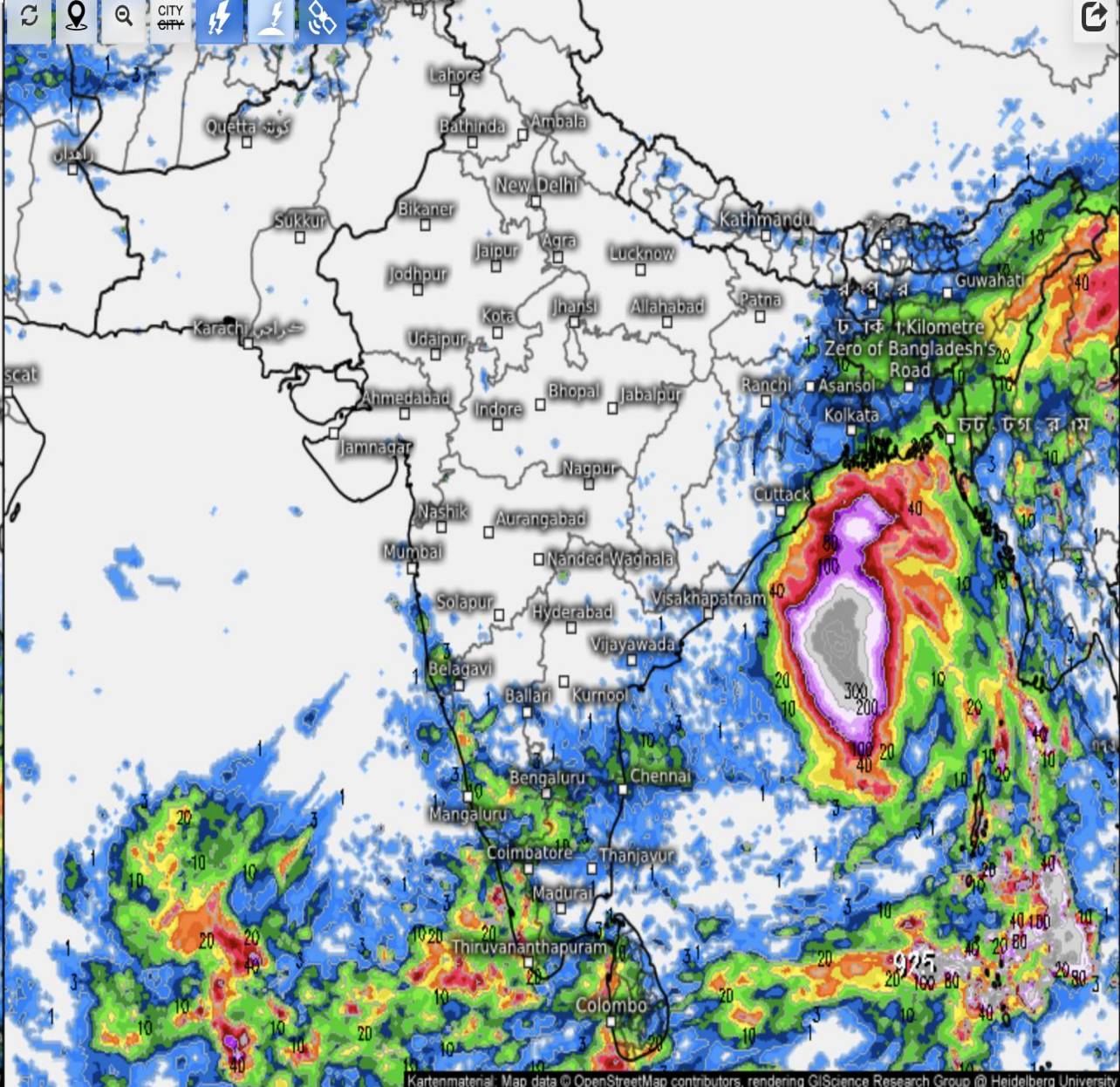
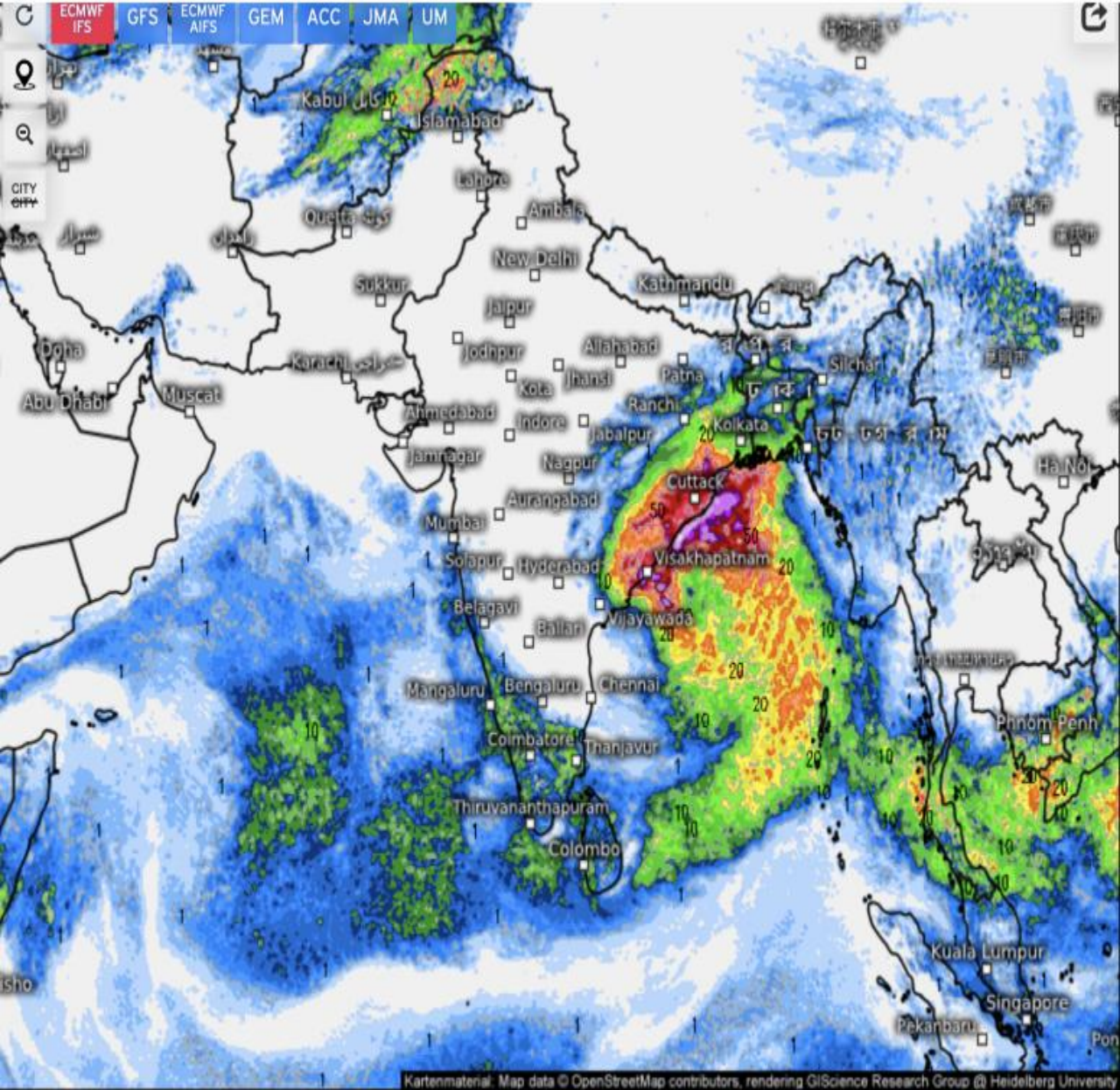
(Background does not depict political boundary)

IMD:GFS MODEL(12 Km) 850 hPa WIND (kt) FORECAST (00 HR)
based on 00 UTC of 24-10-2024 valid for 00 UTC of 24-10-2024



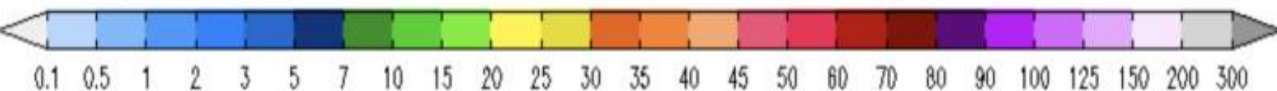
(Background does not depict political boundary)





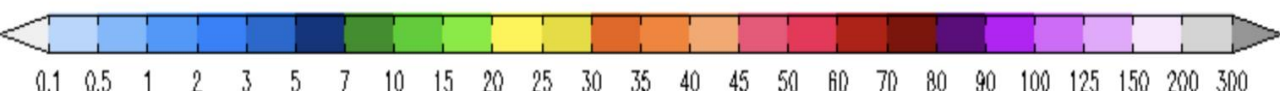
Precipitation, 24h (mm)

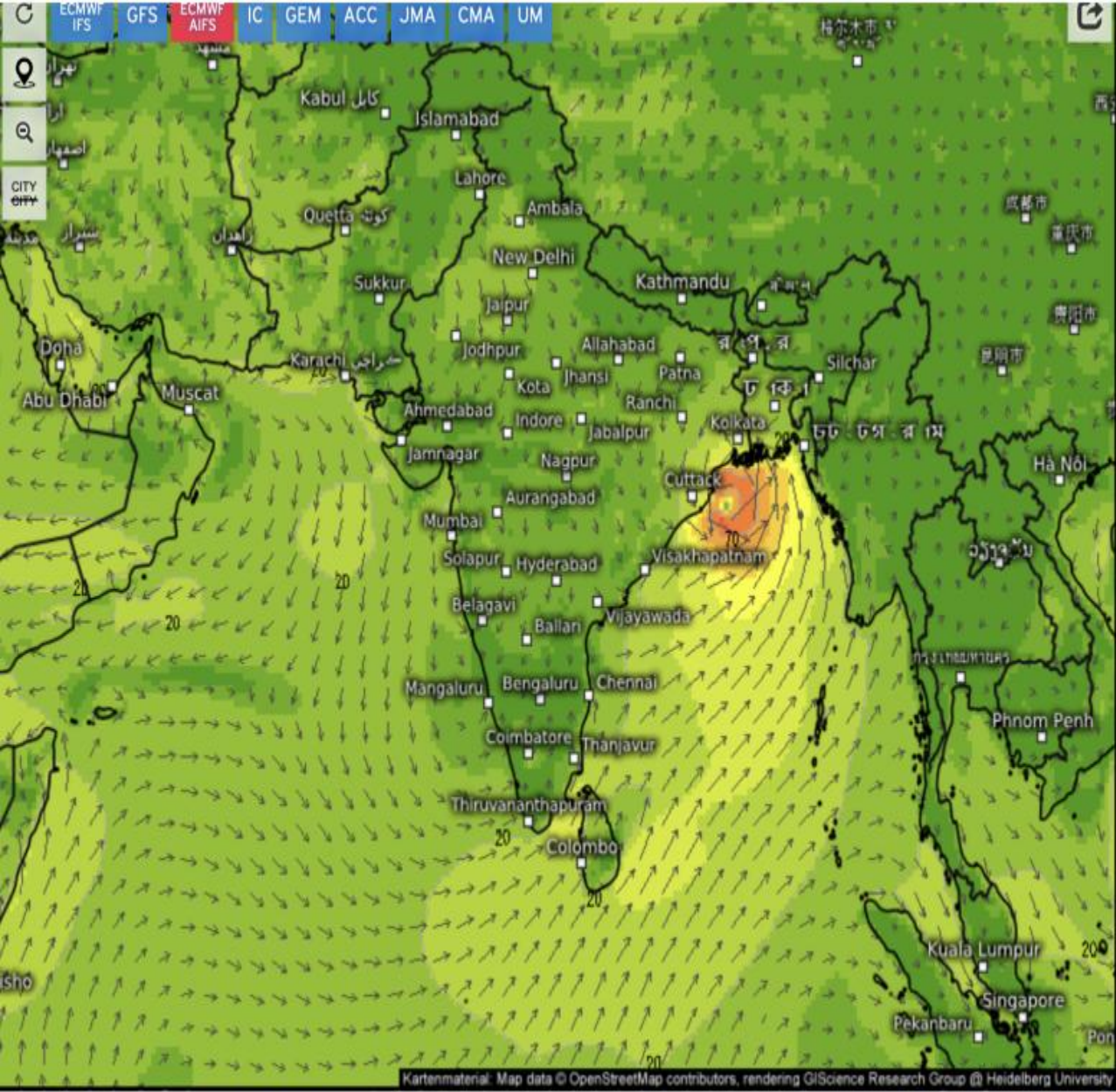
Valid for
Thu 10/24/2024, 11:30pm IST



Accumulated Precipitation, 24h (Satellite) (mm)

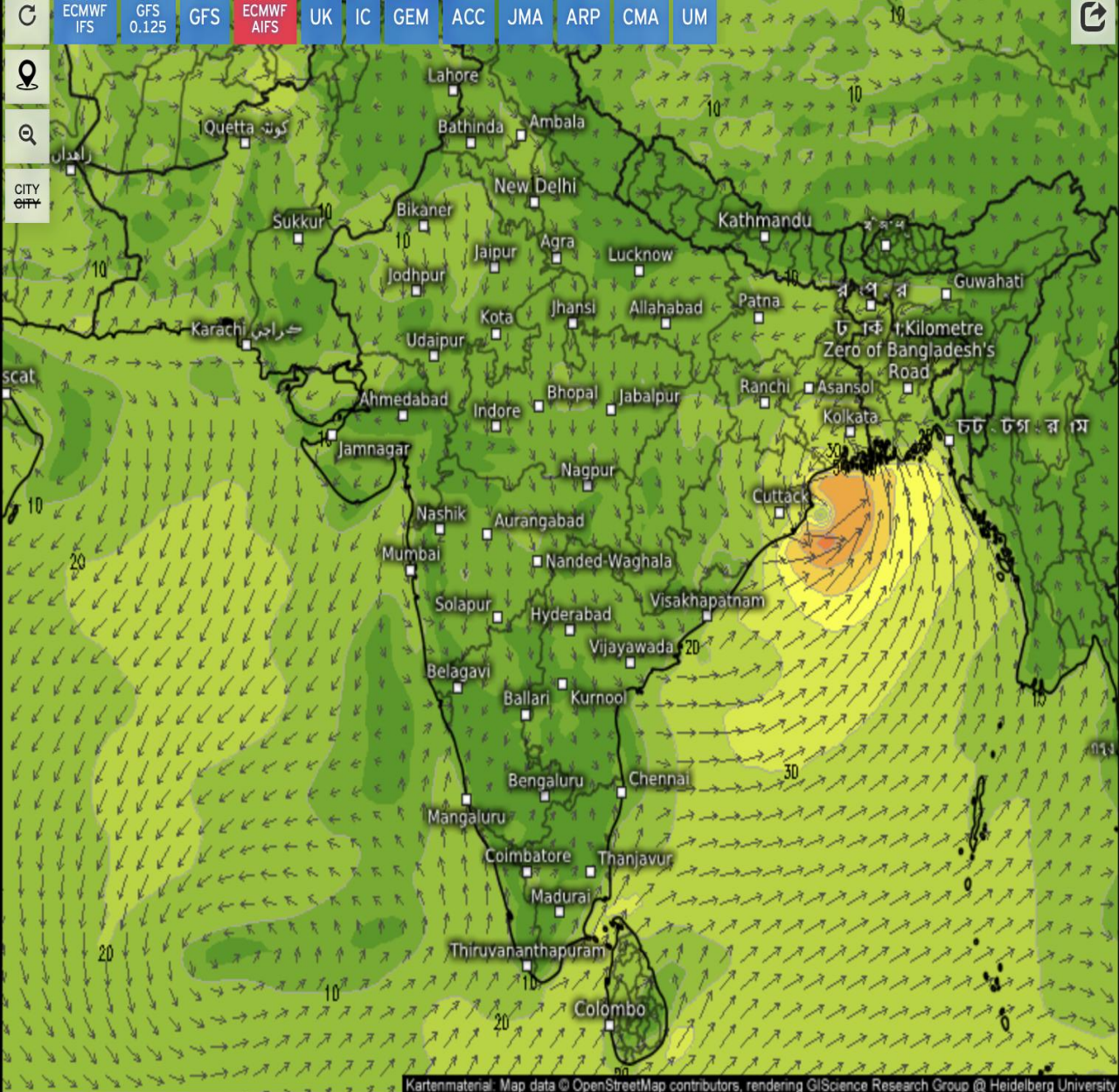
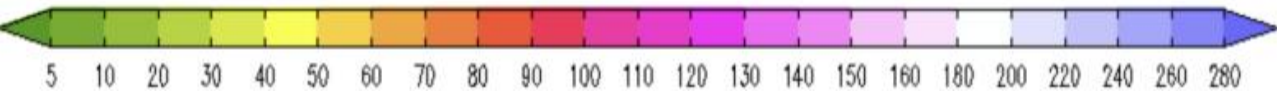
Thu 10/24/2024, 05:30am IST





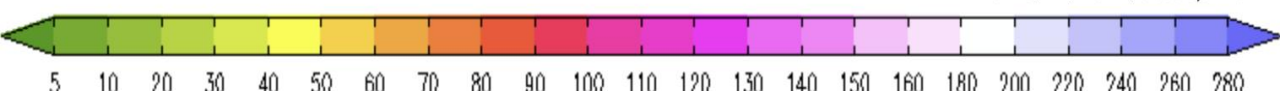
Wind direction and mean wind speed (kph)

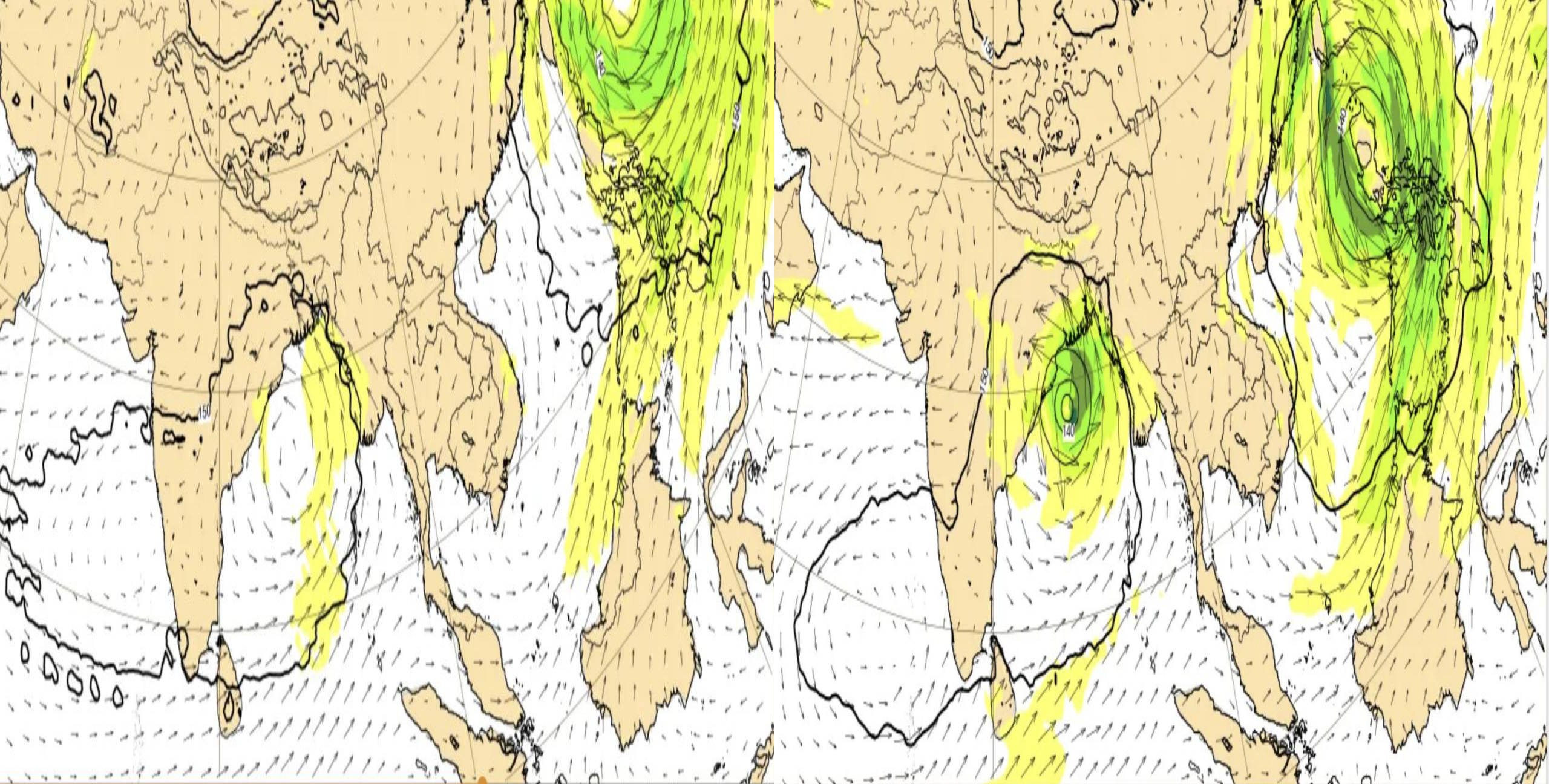
Valid for
Thu 10/24/2024, 05:30pm IST

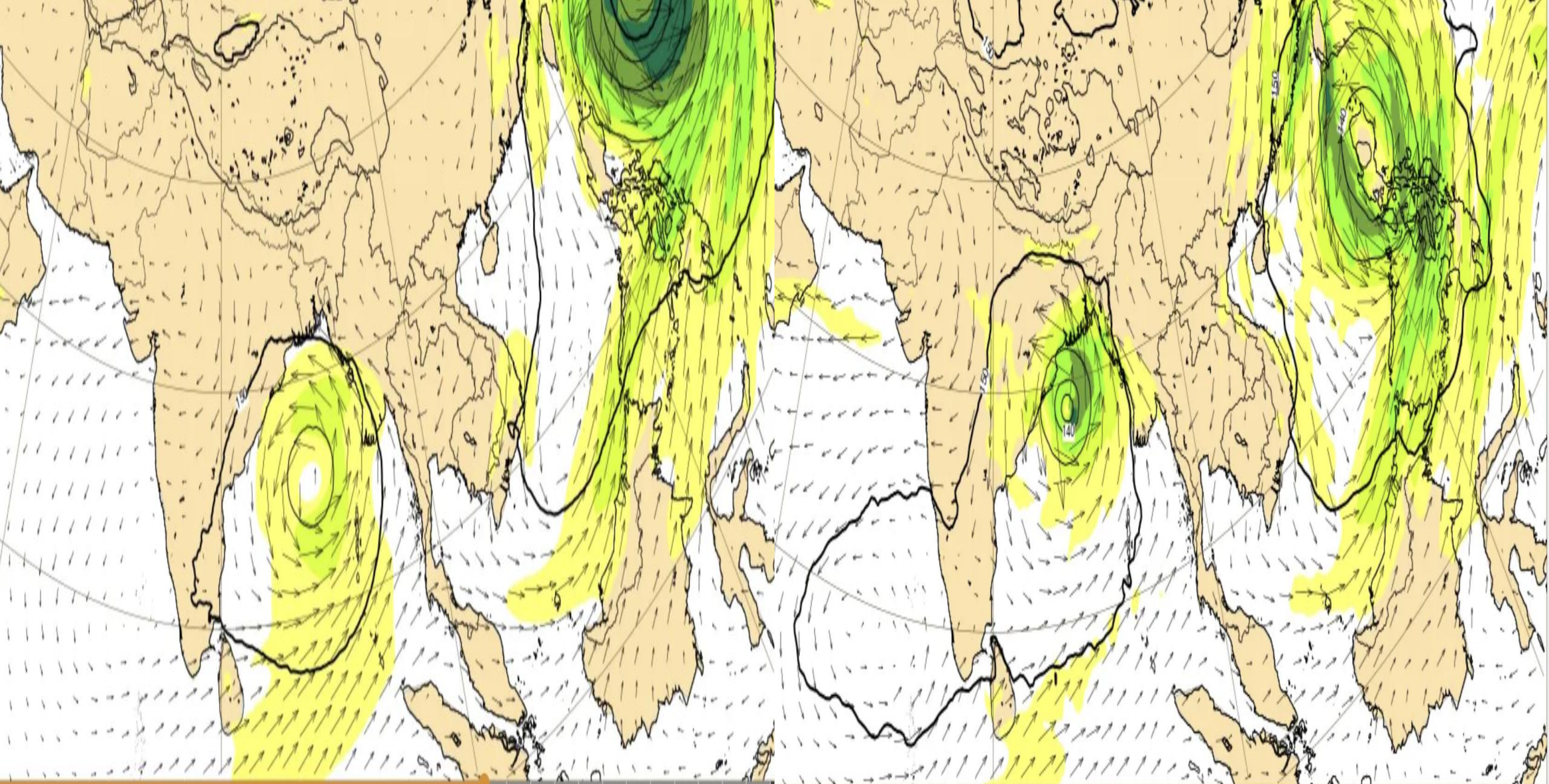


Wind direction and mean wind speed (kph)

Valid for
Thu 10/24/2024, 05:30pm IST







Thu 24 Oct 2024 00 UTC (T+168)

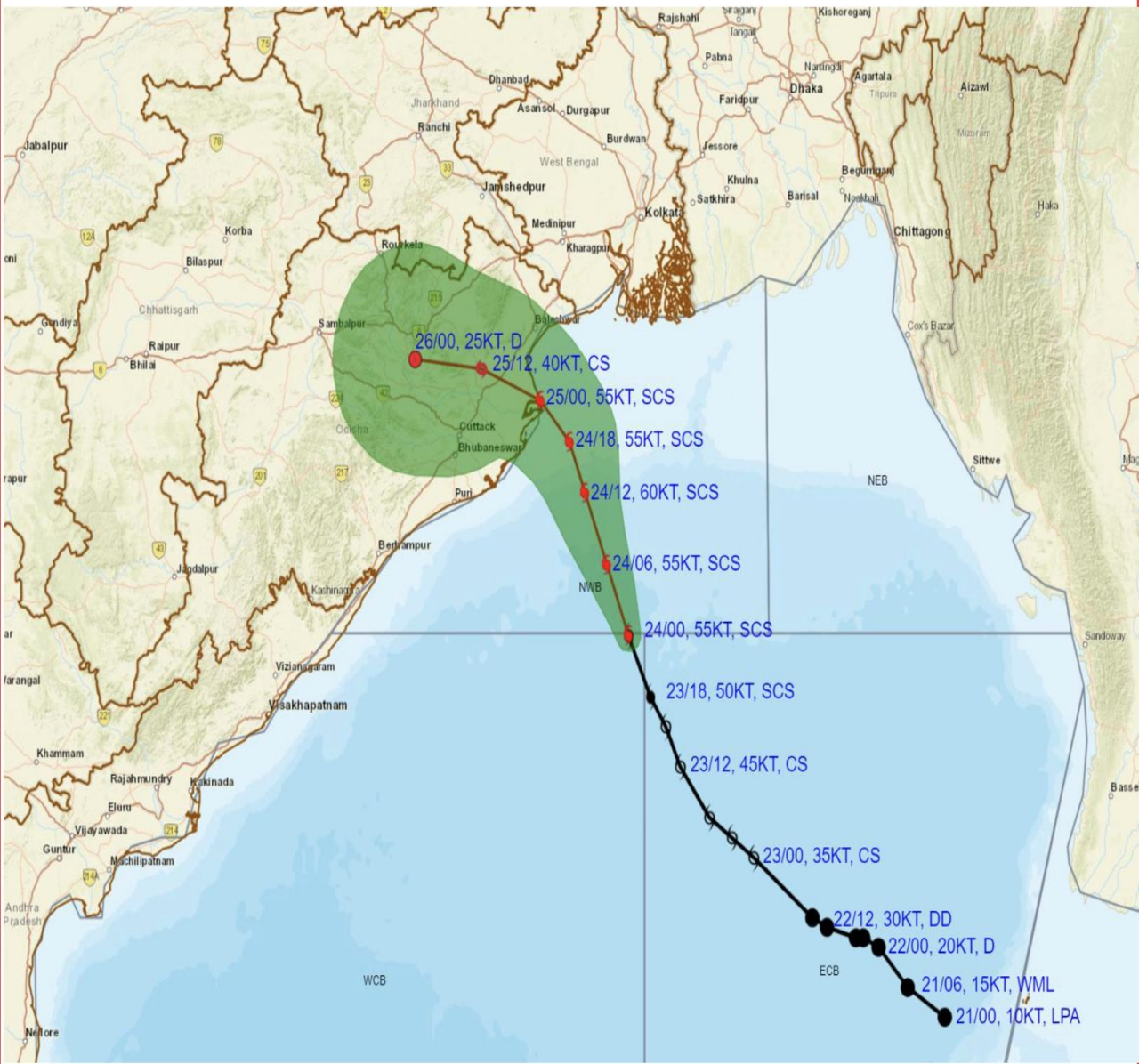


Thu 24 Oct 2024 00 UTC (T+0)

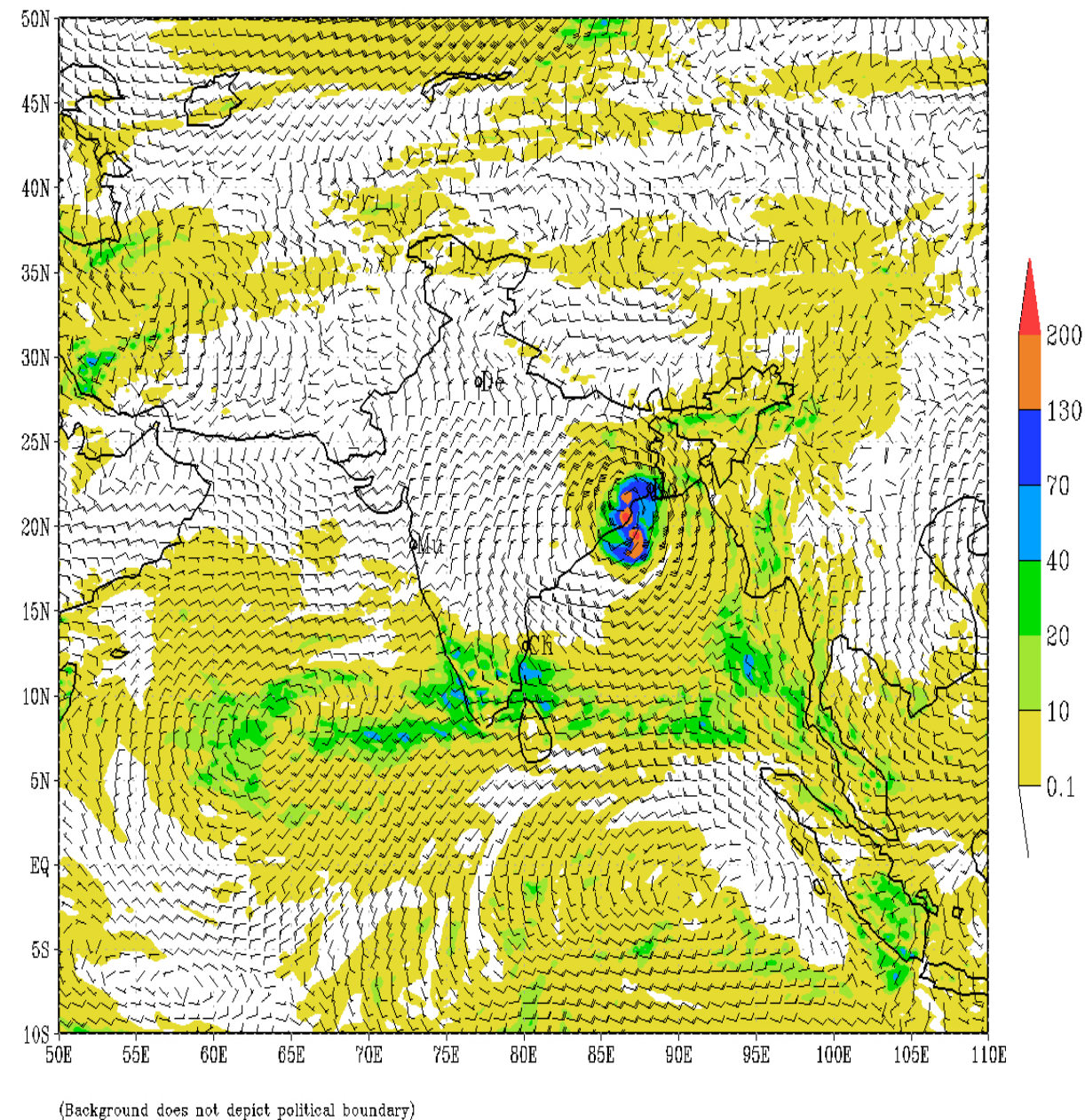


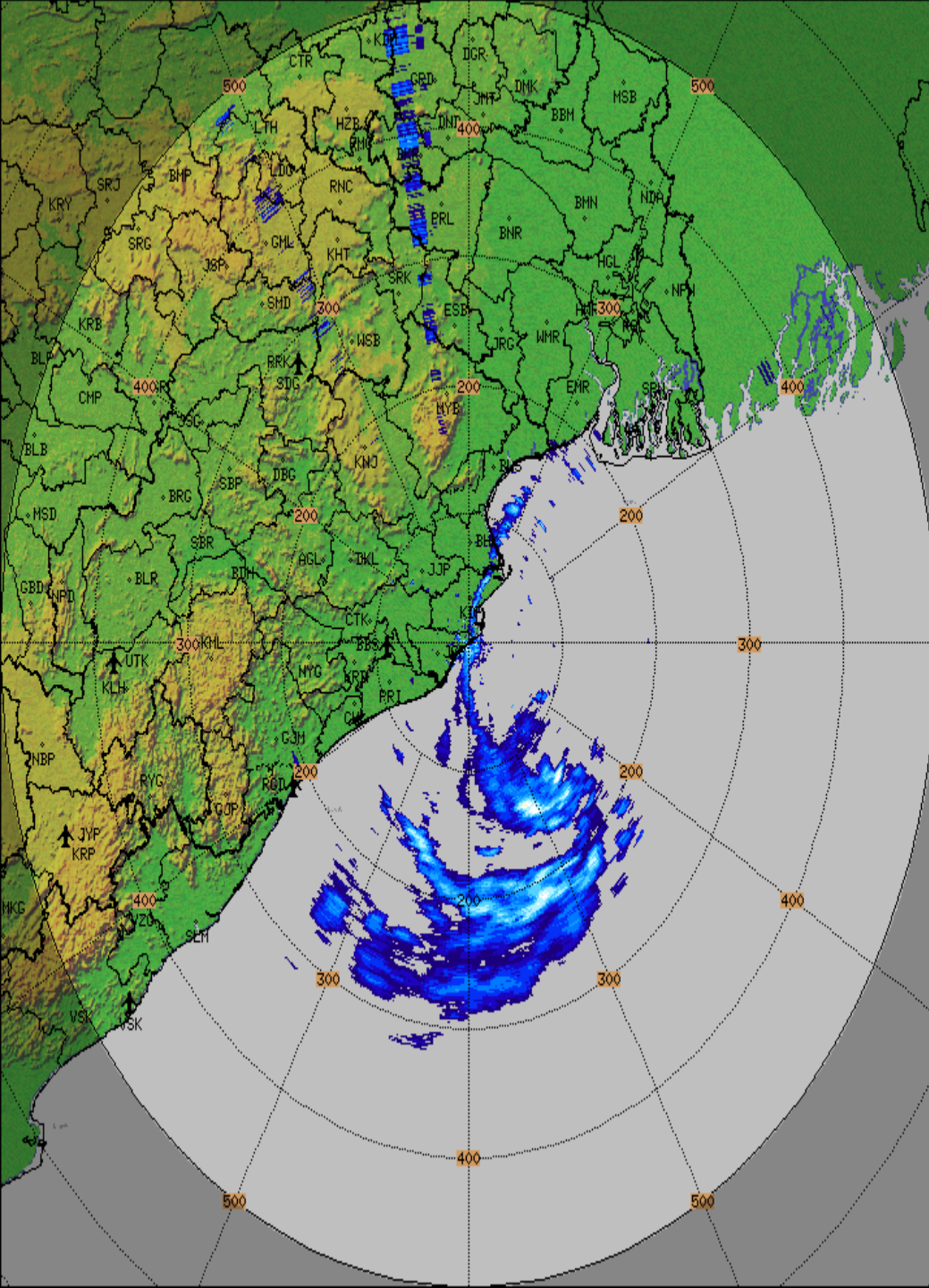


OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF CYCLONIC STORM 'DANA' OVER NORTHWEST AND ADJOINING CENTRAL BAY OF BENGAL BASED ON 0000 UTC (0530 Hrs. IST) OF 24th OCTOBER 2024



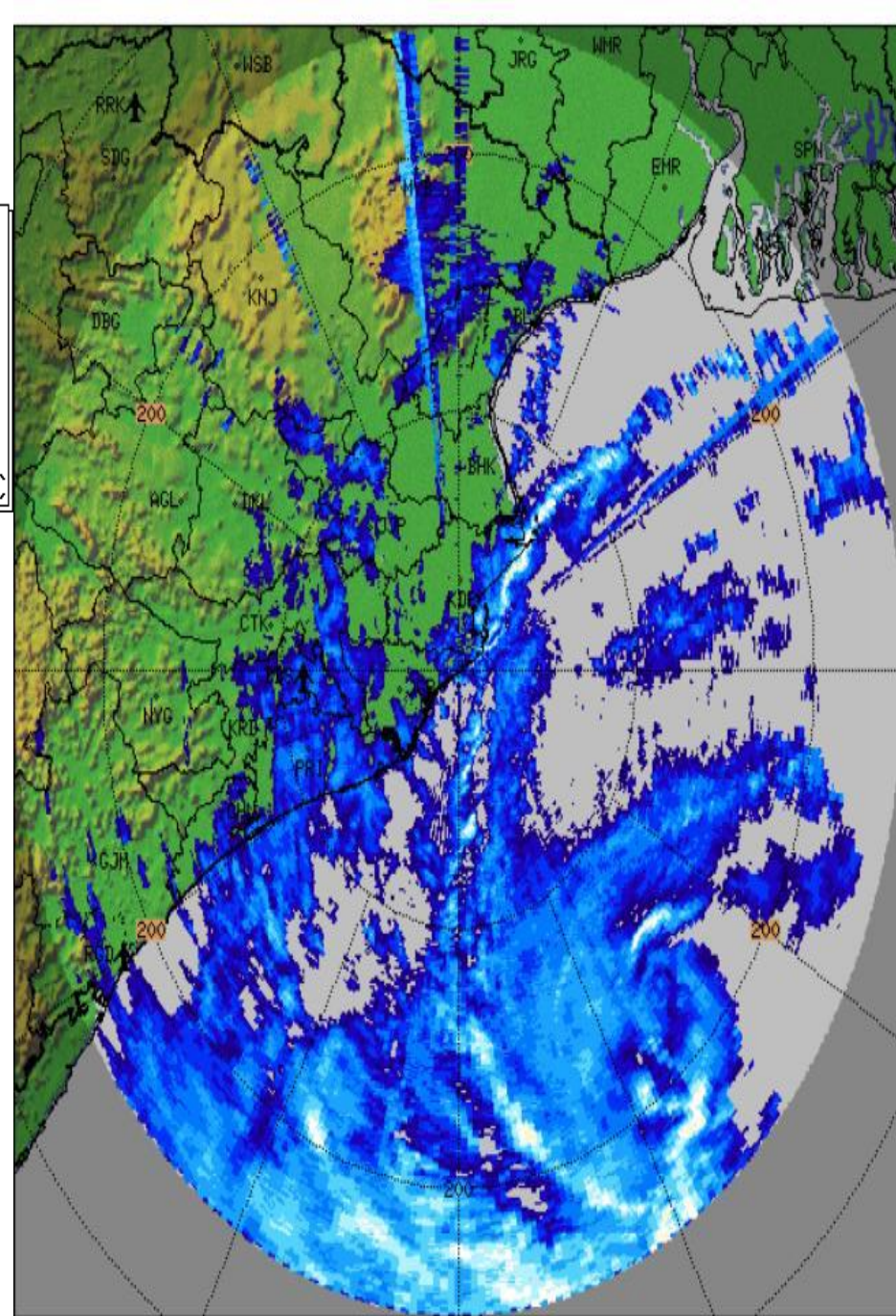
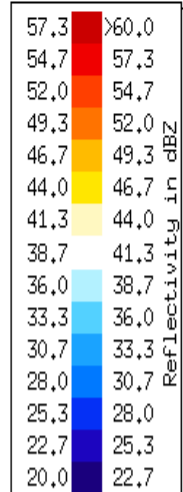
IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (24 HR) based on 00 UTC of 24-10-2024 valid for 03 UTC of 25-10-2024



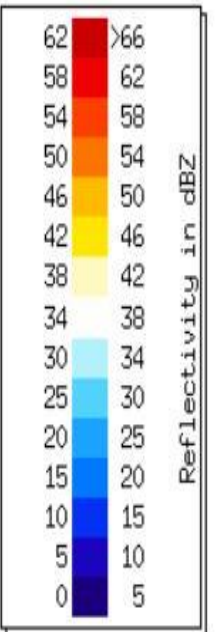


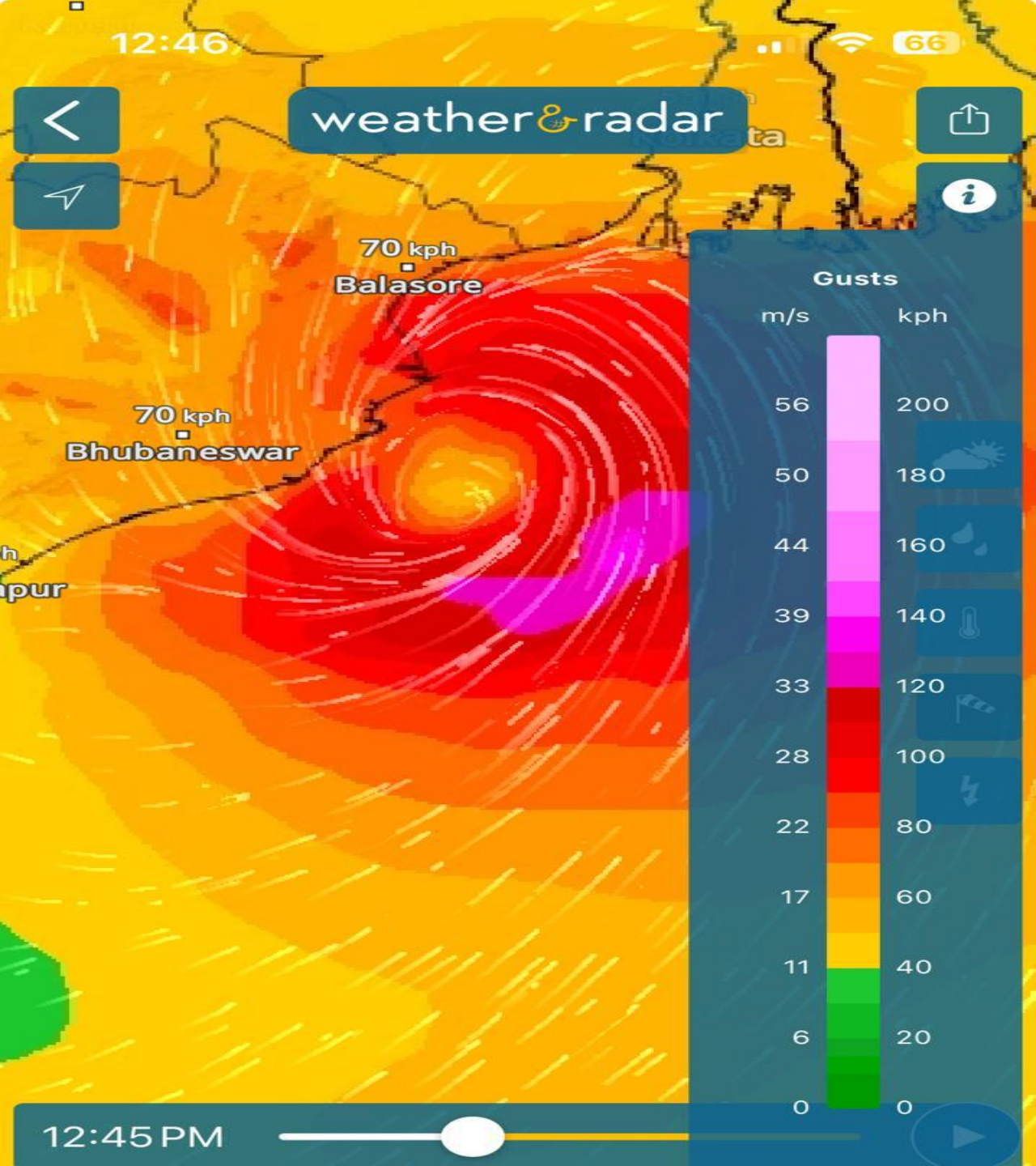
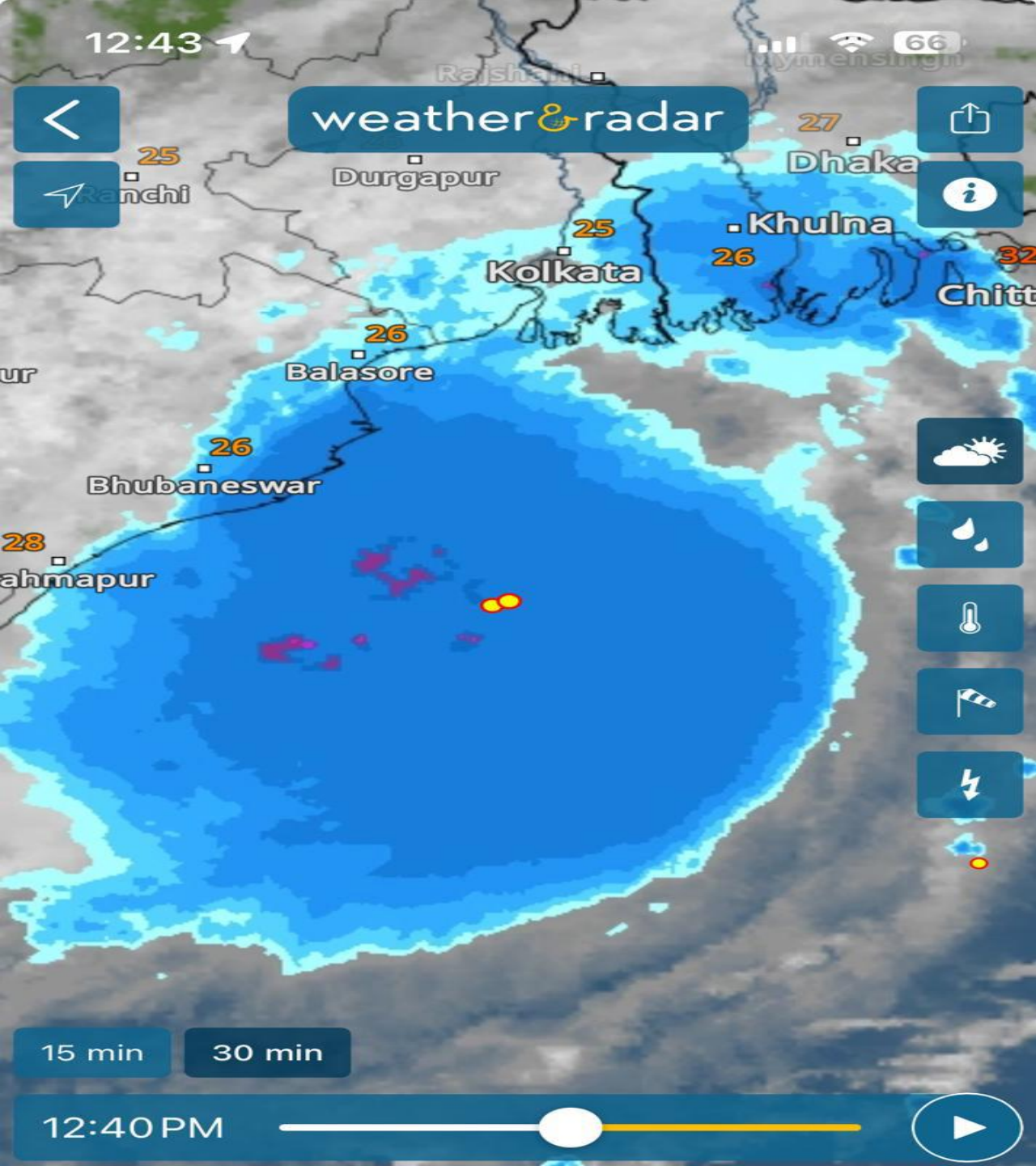
PARADEEP-RADAR
PPI
PPI_Z
Task: IMD-C
PRF: 250Hz
Elevation:0,5
Max Range:500 km
07:00:25Z
24 OCT 2024 UTC

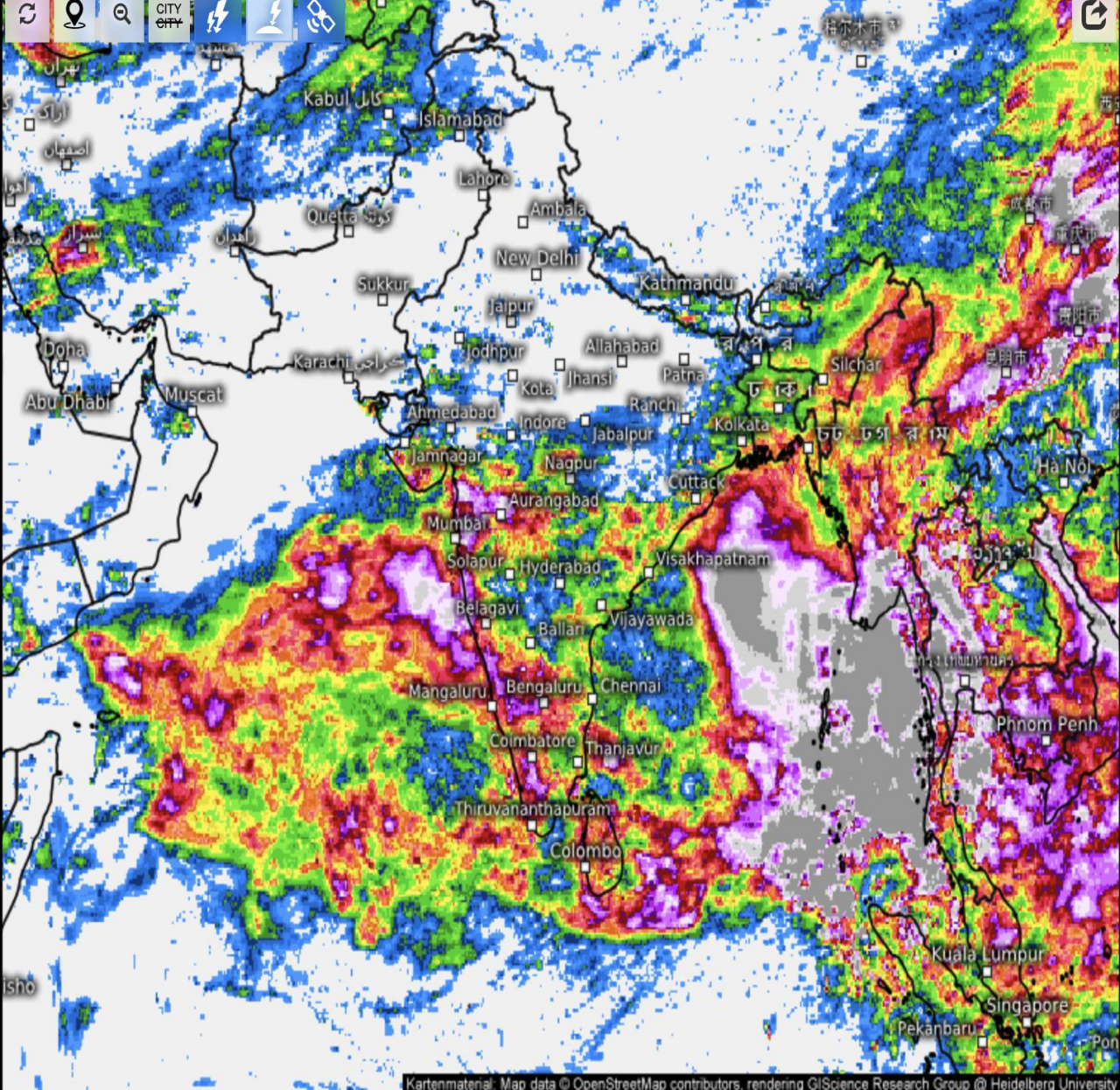
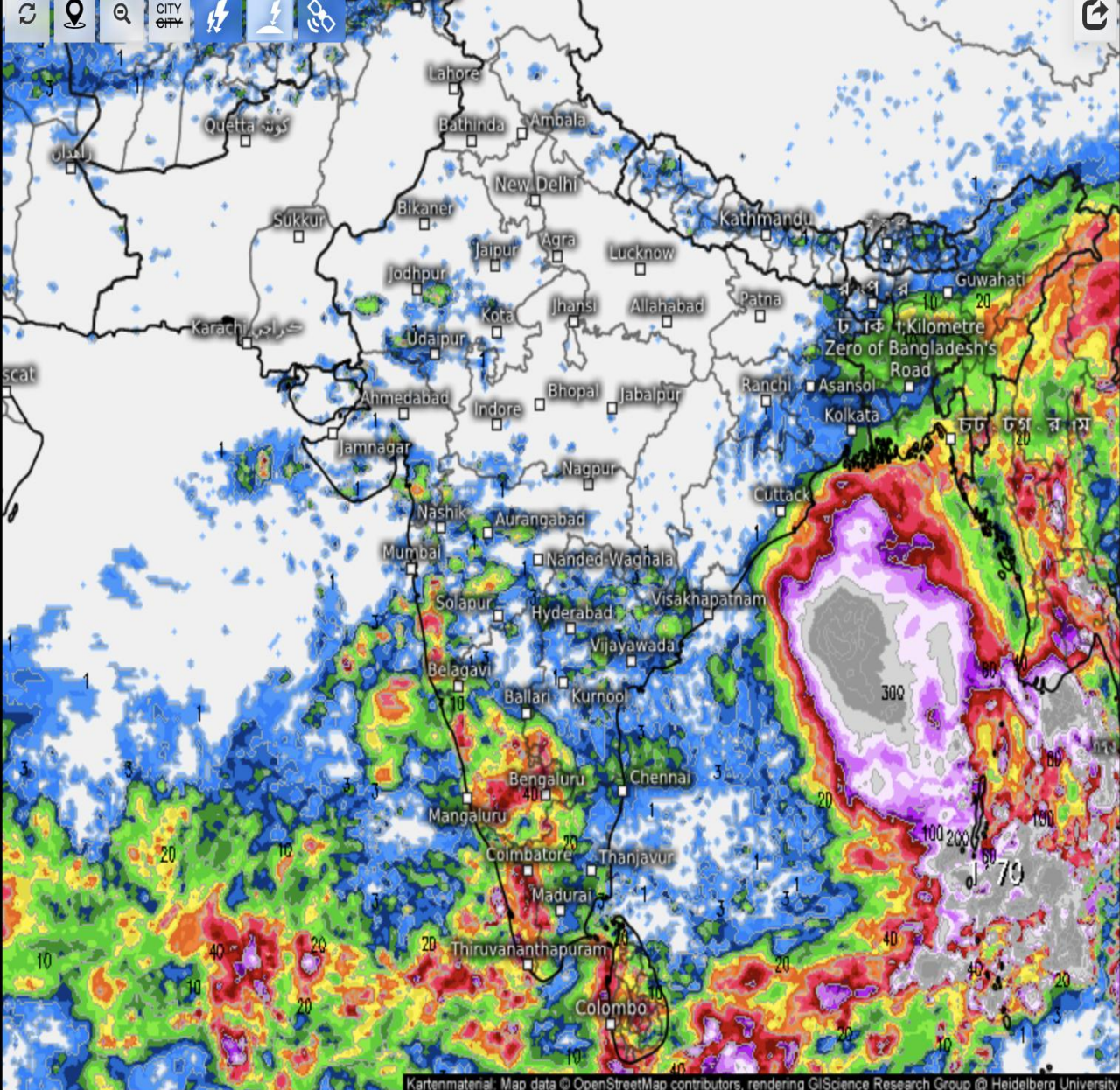
12:30:25 IST



PARADEEP-RADAR
CAPPI
Z_250_PSEUDO
Task: IMD-B
PRF:600/450
Height:1,0 km
Max Range:250 km
04:12:23Z
24 OCT 2024 UTC





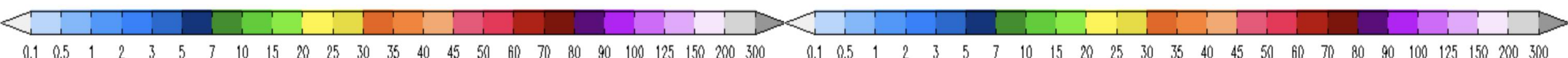


Accumulated Precipitation, 72h (Satellite) (mm)

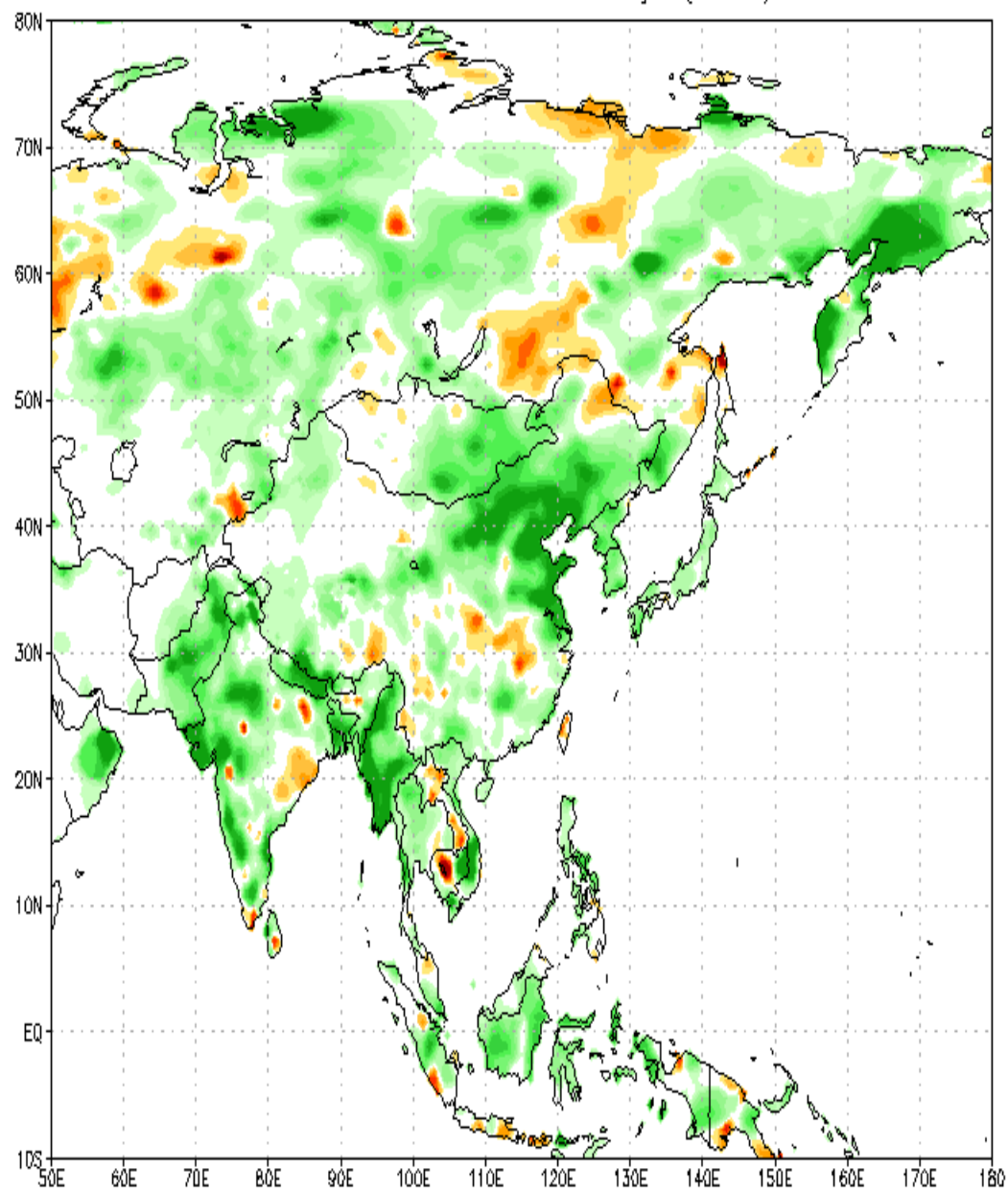
Thu 10/24/2024, 08:30am IST

Accumulated Precipitation, 7 days (Satellite) (mm)

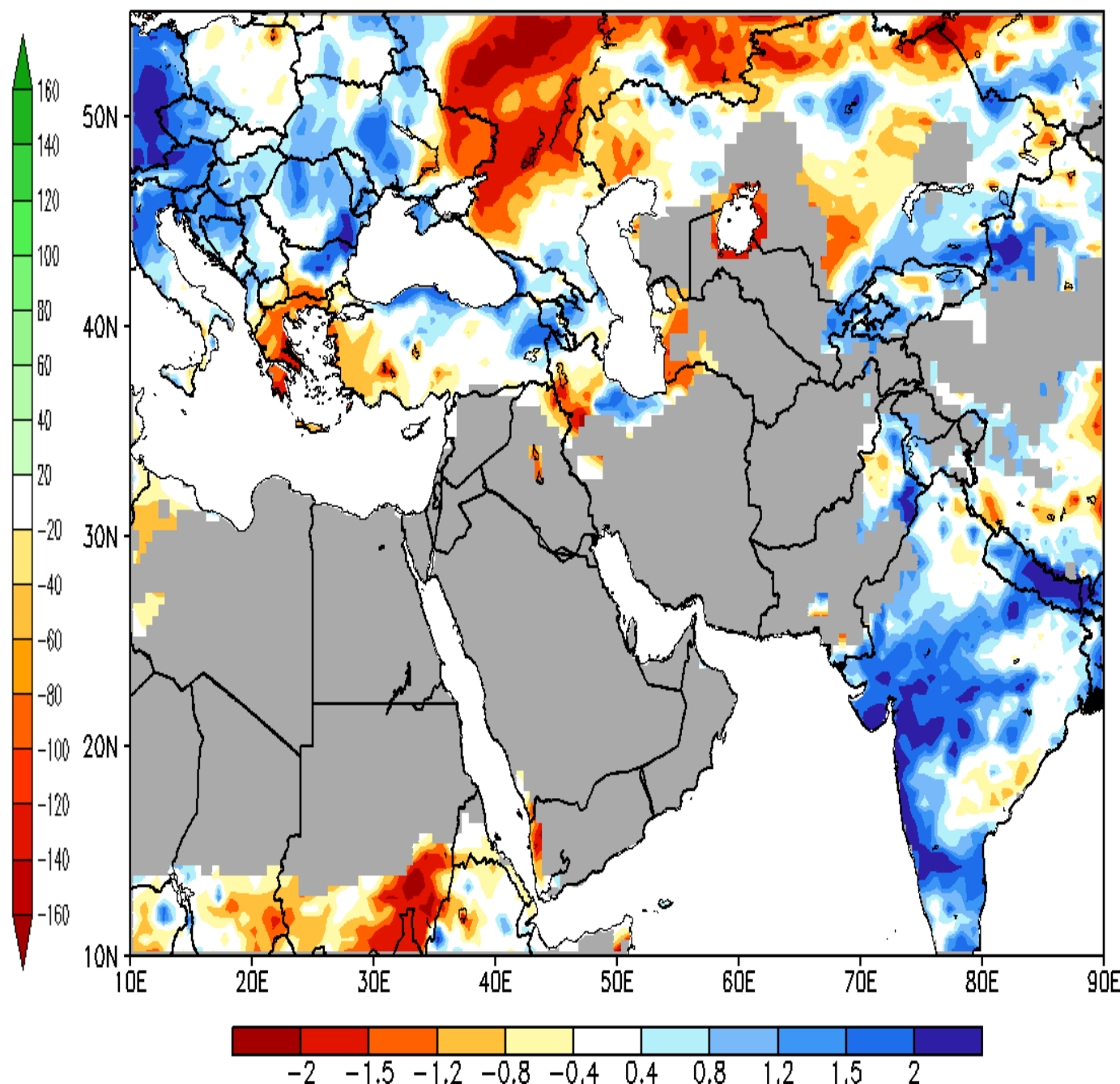
Thu 10/24/2024, 08:30am IST

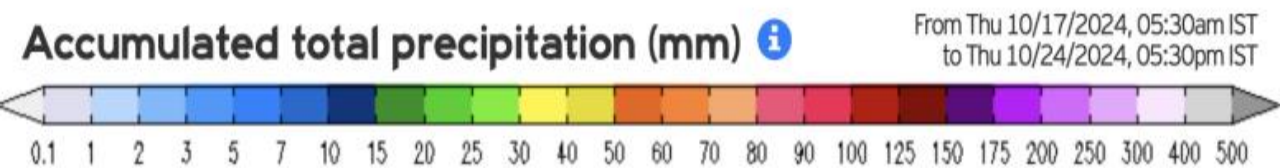
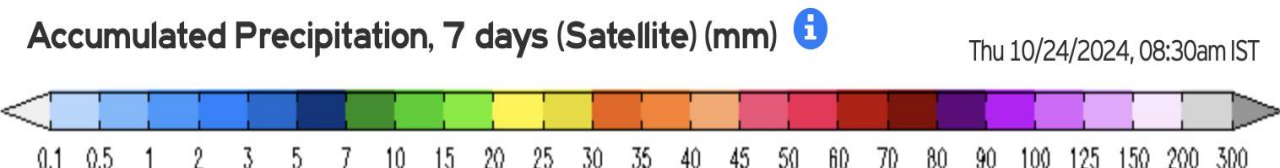
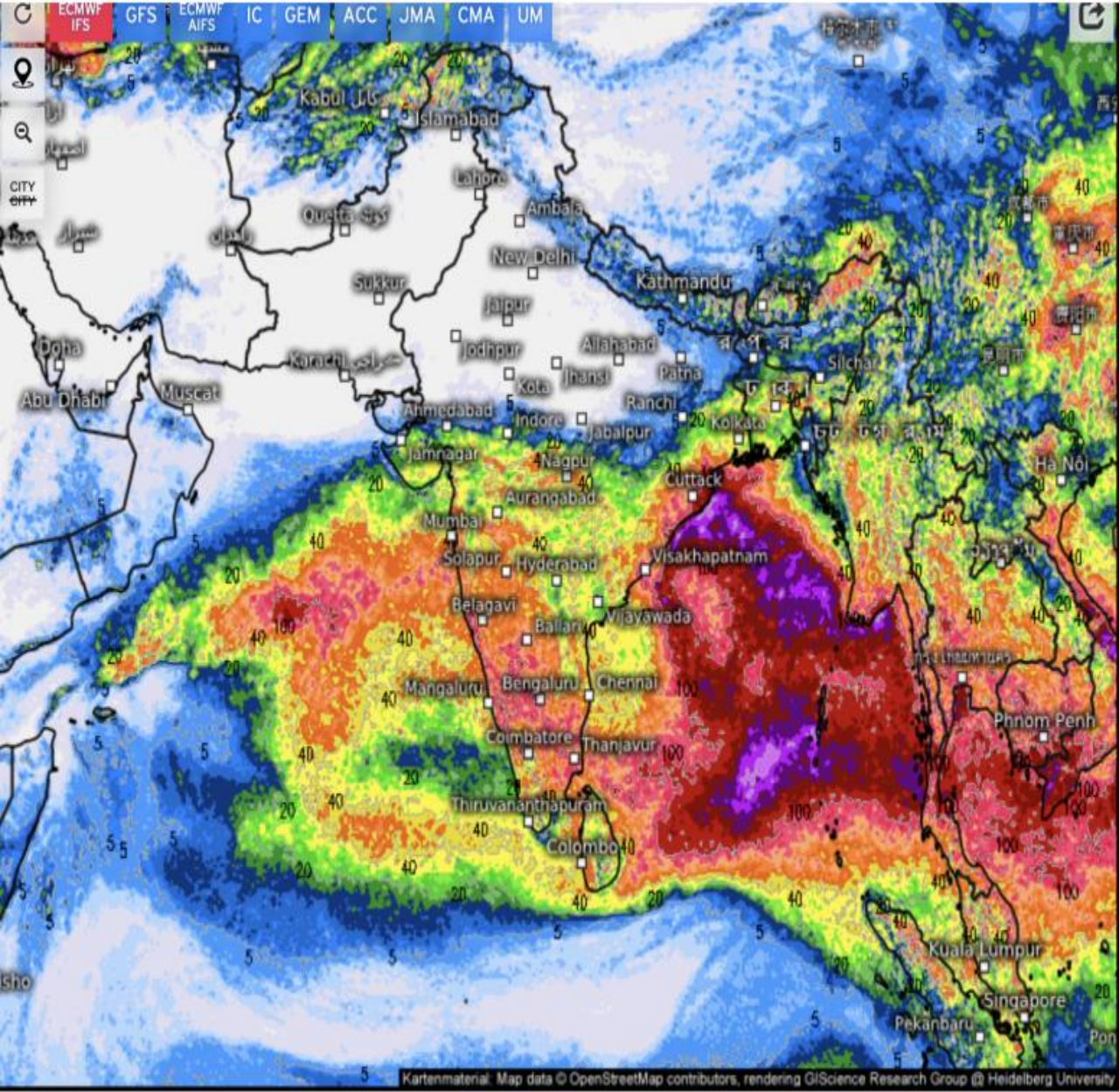
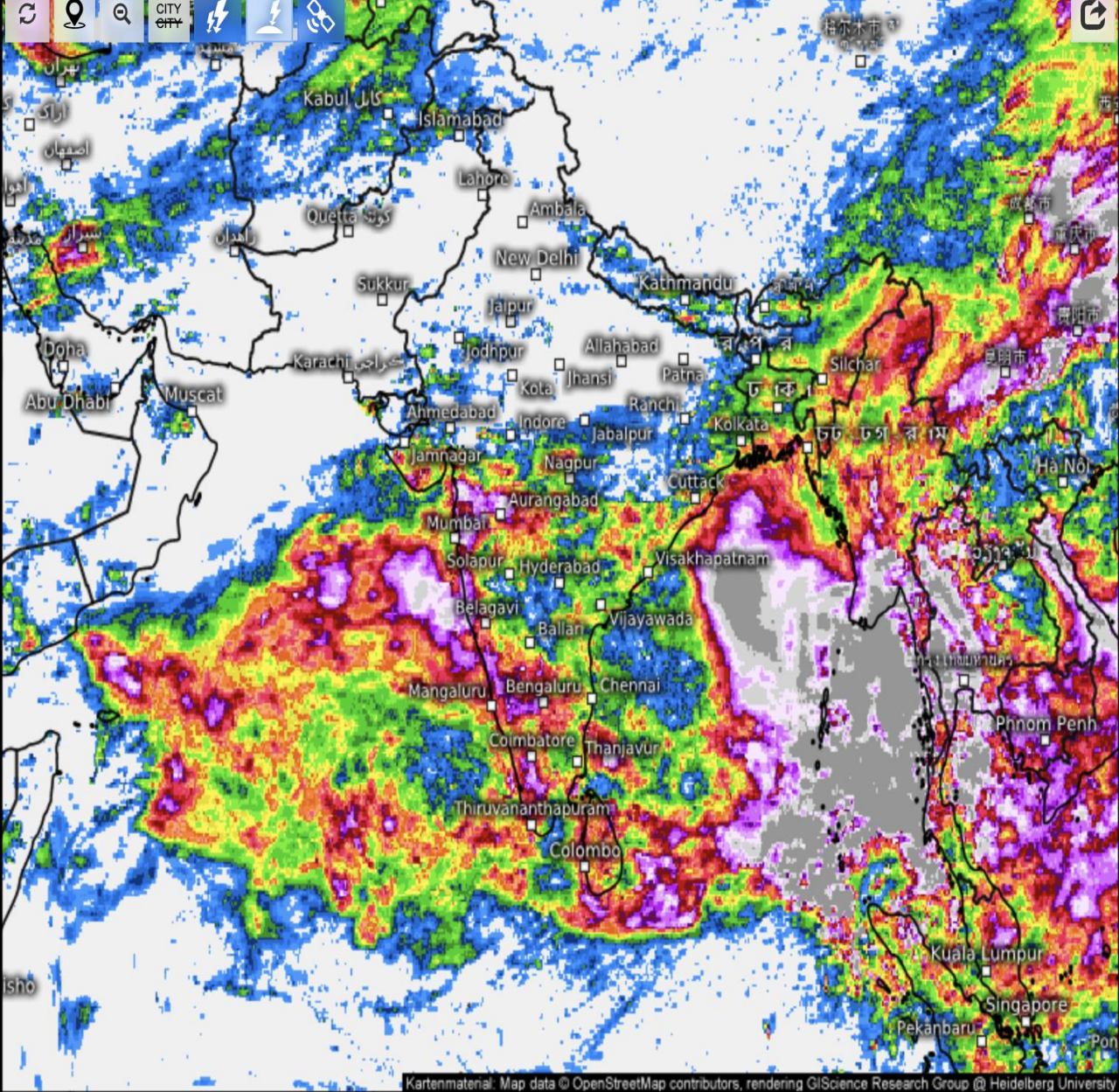


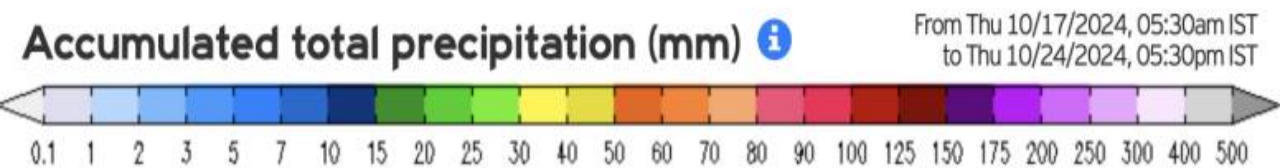
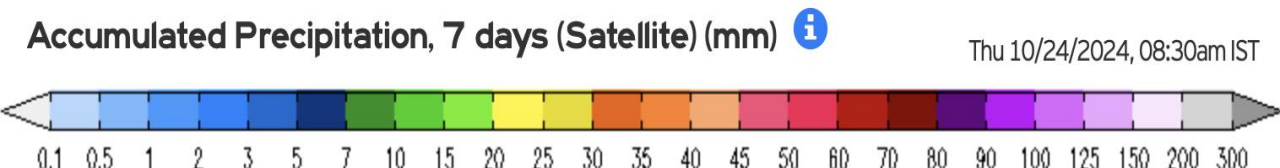
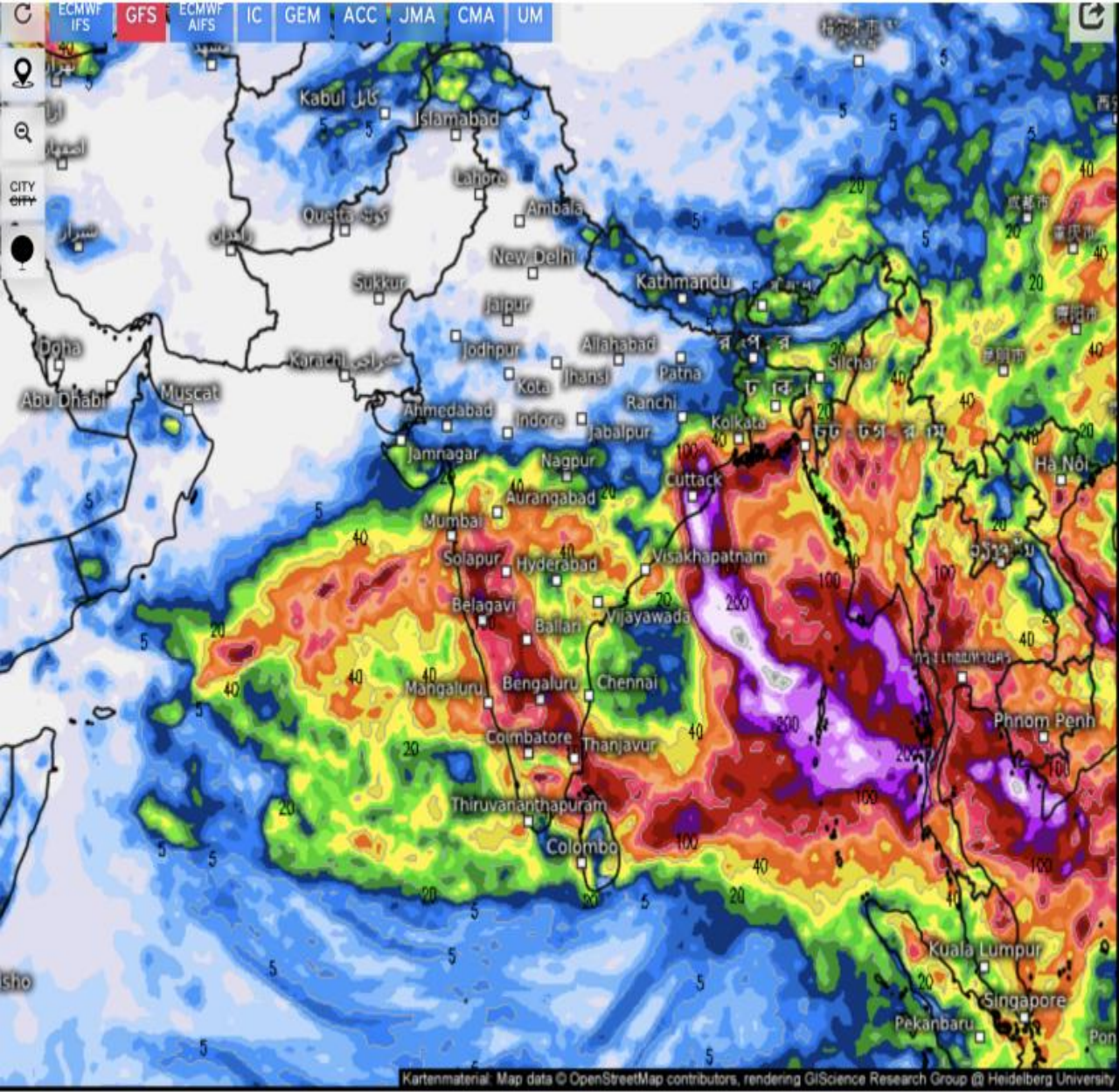
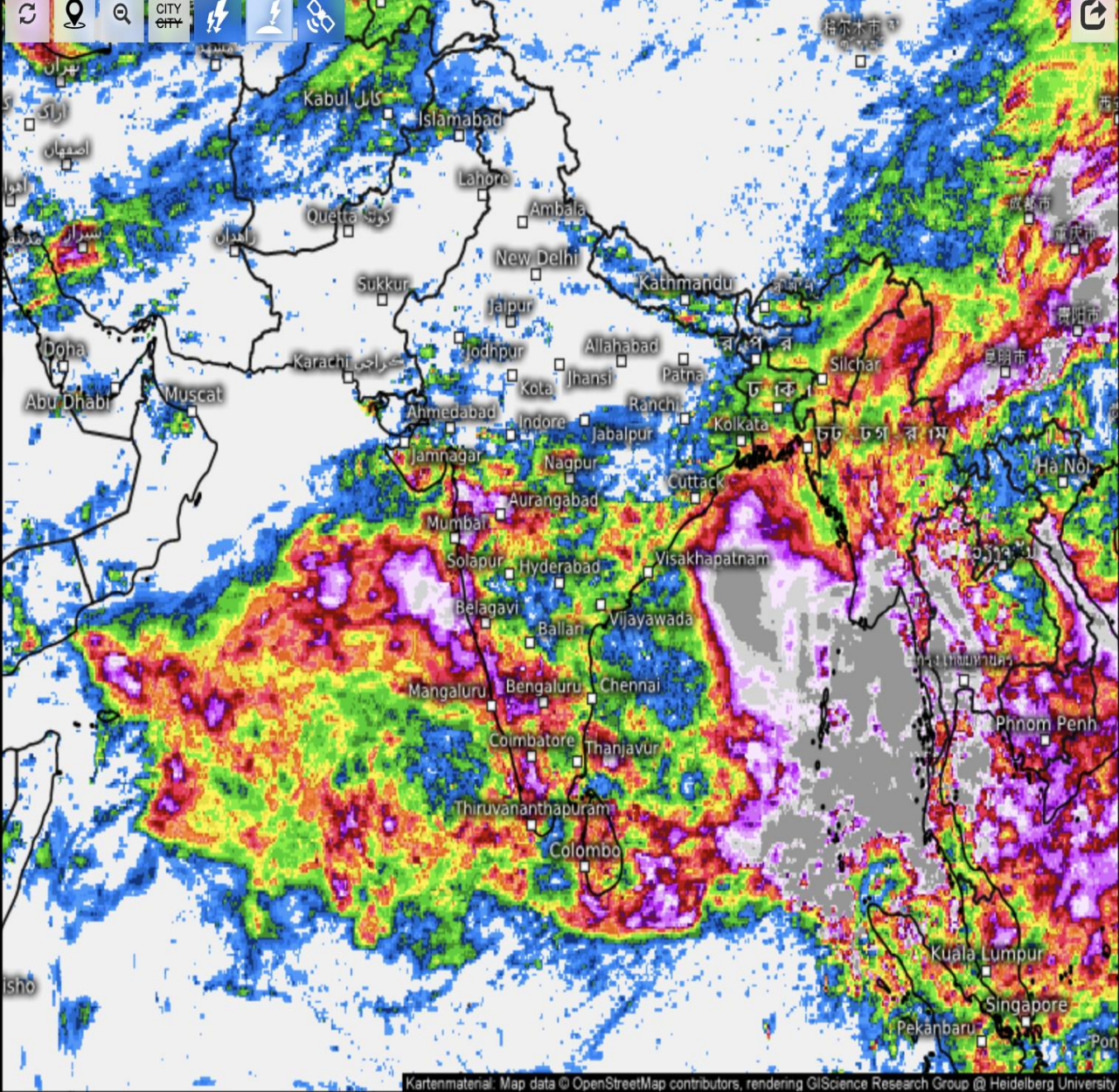
Calculated Soil Moisture Anomaly (mm) 20241022

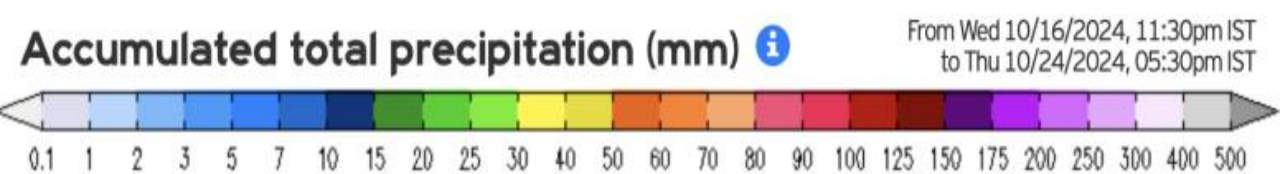
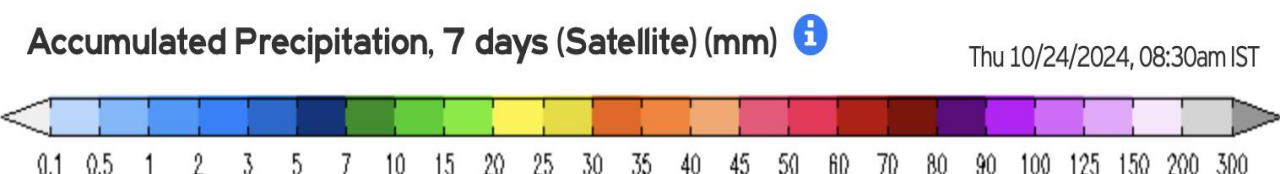
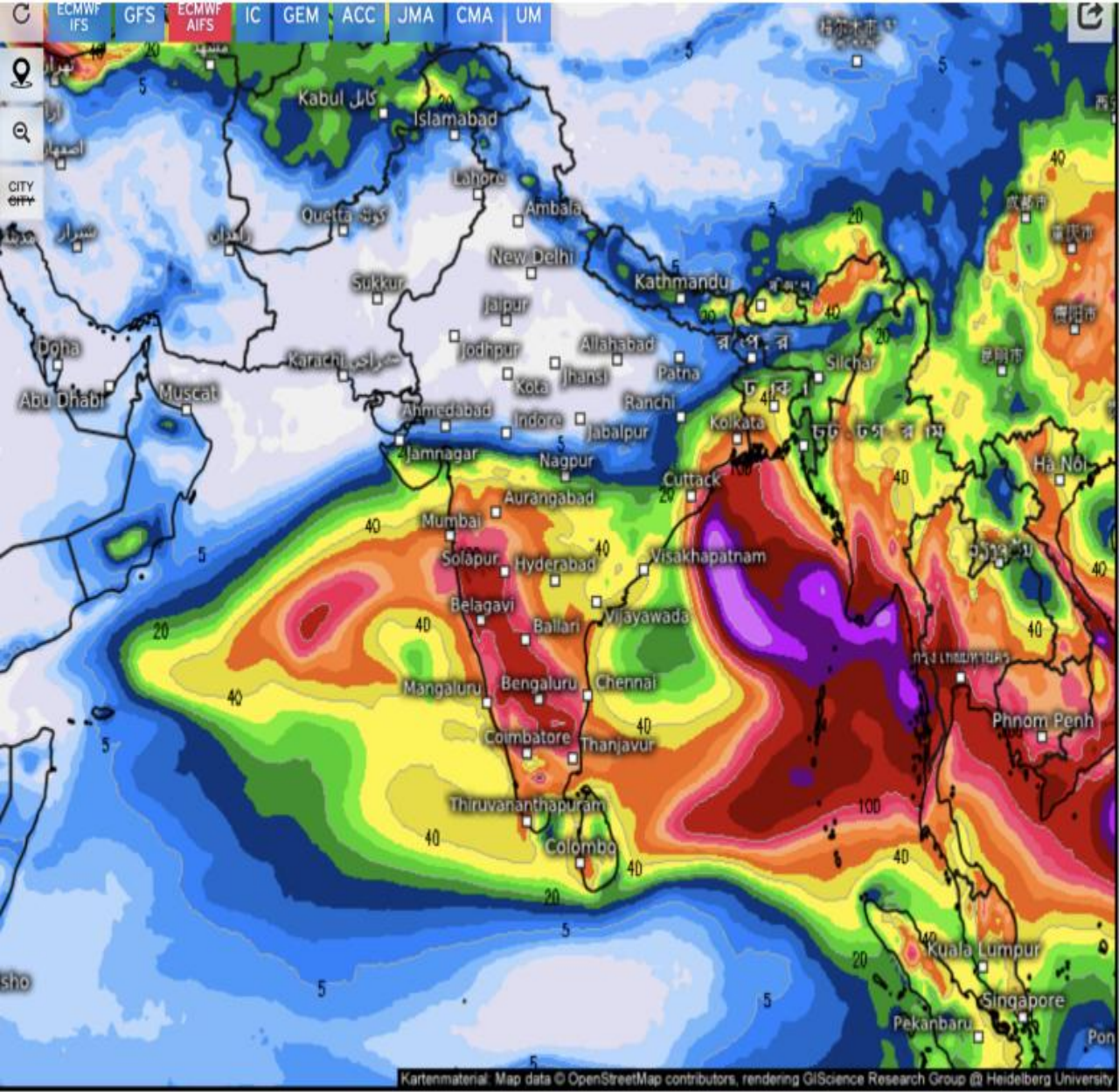
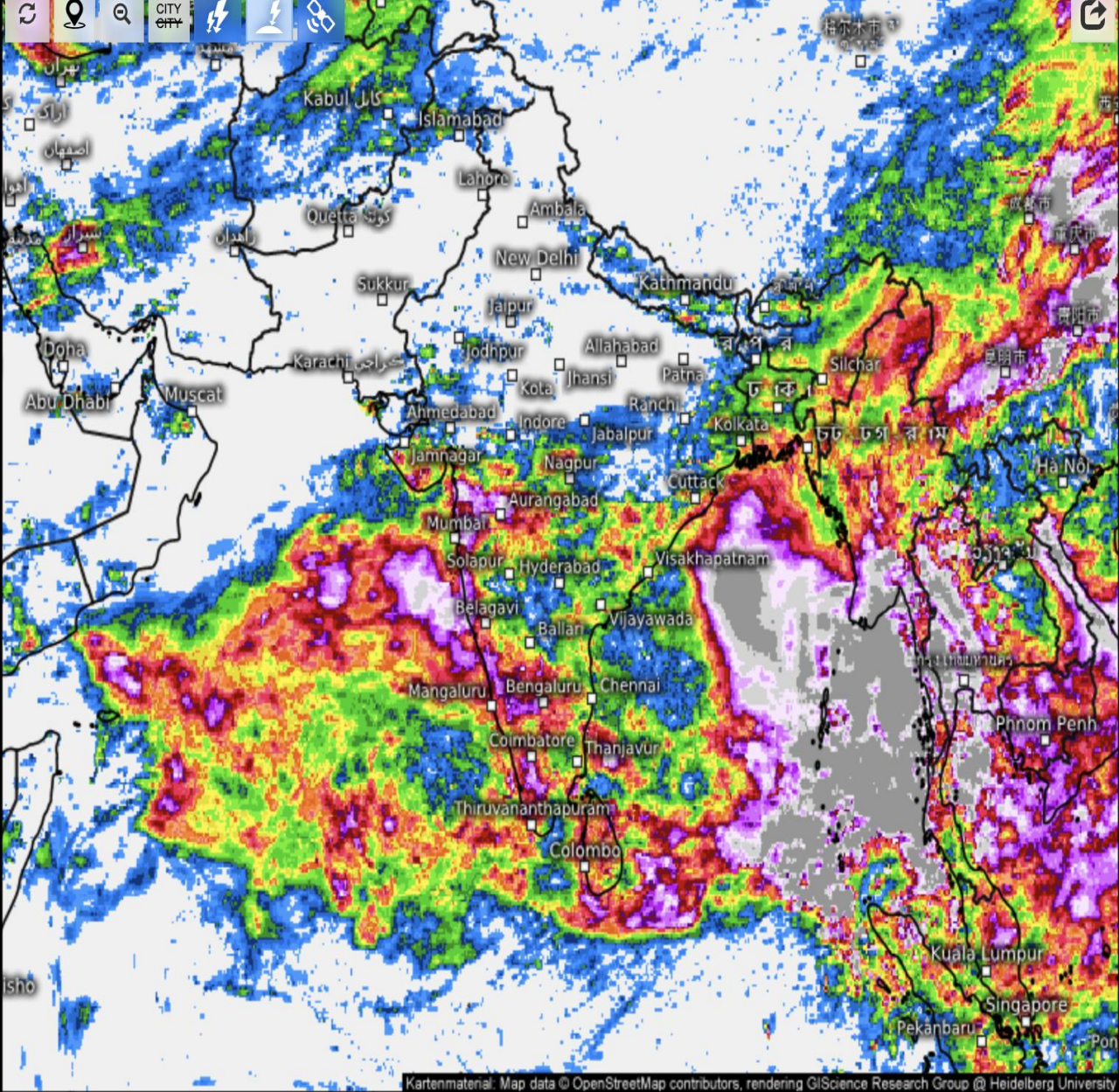


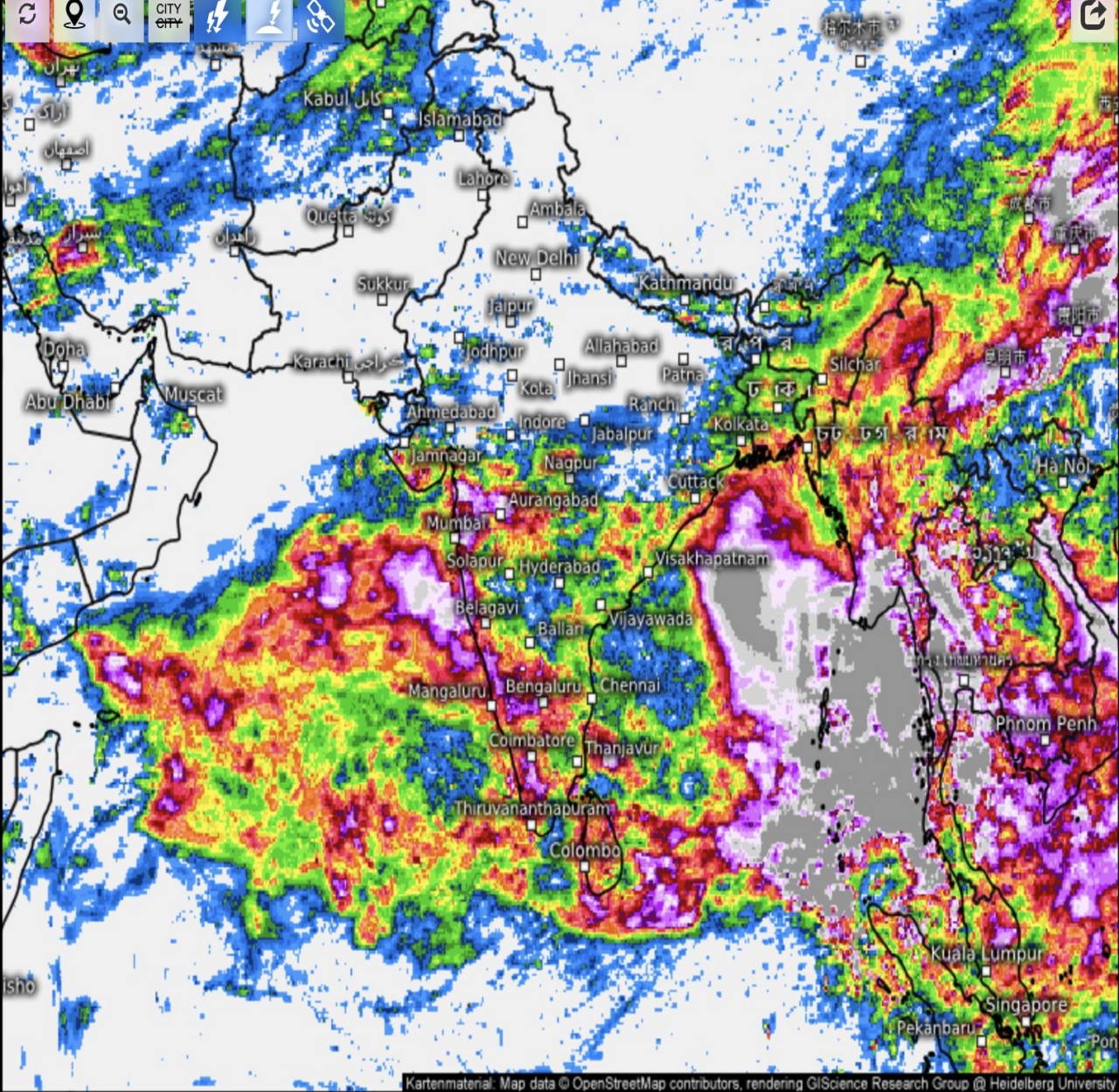
CMORPH ADJ 00Z SPEI 1mo
22 September 2024 – 21 October 2024





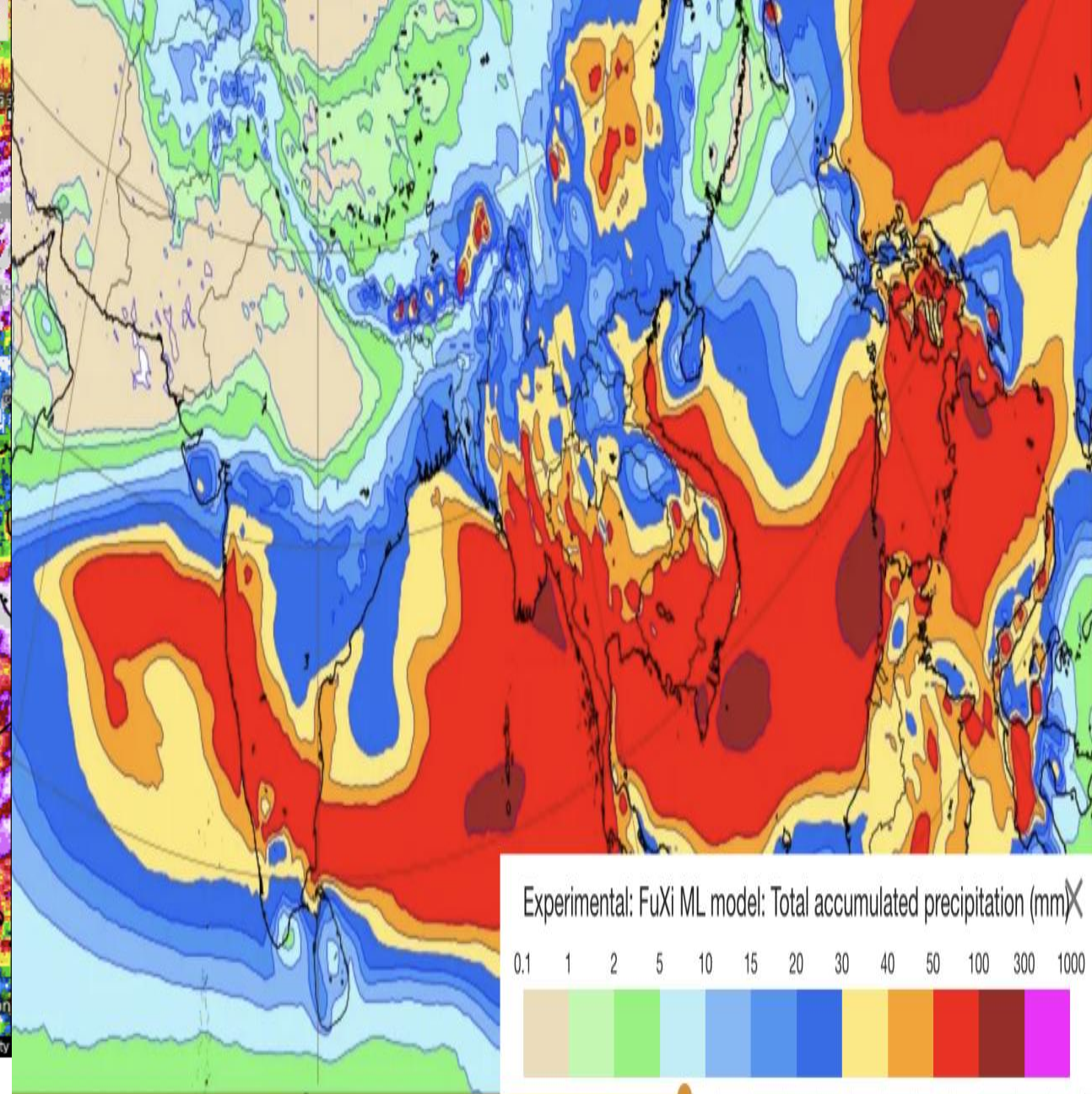
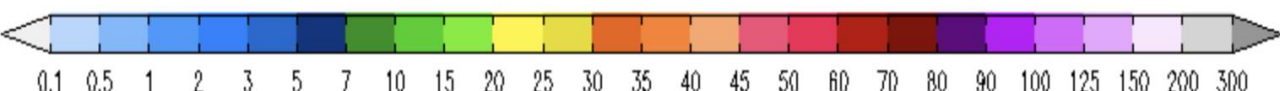






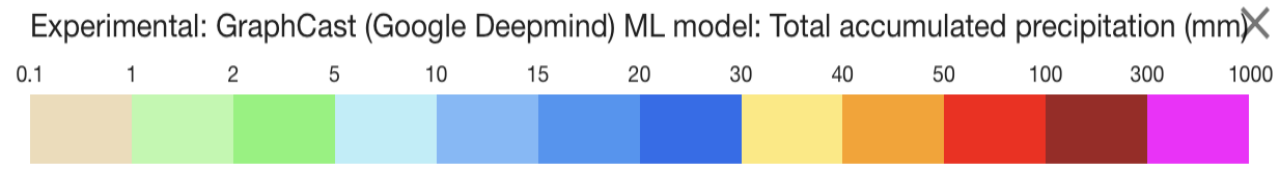
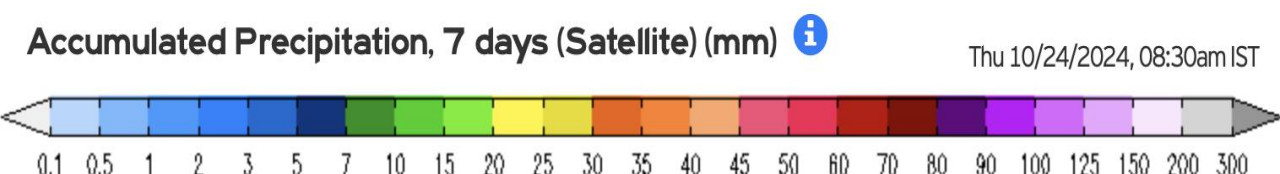
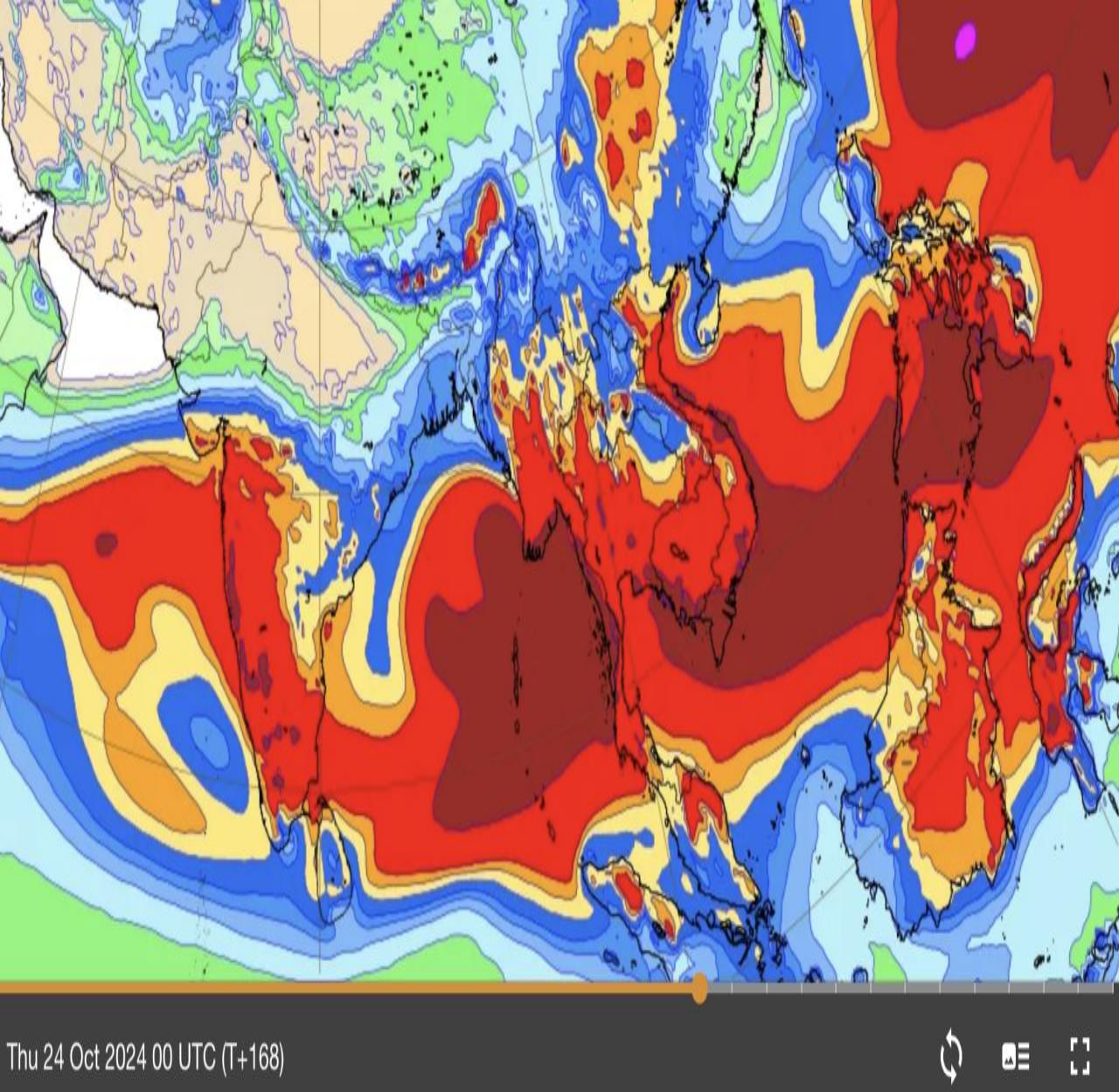
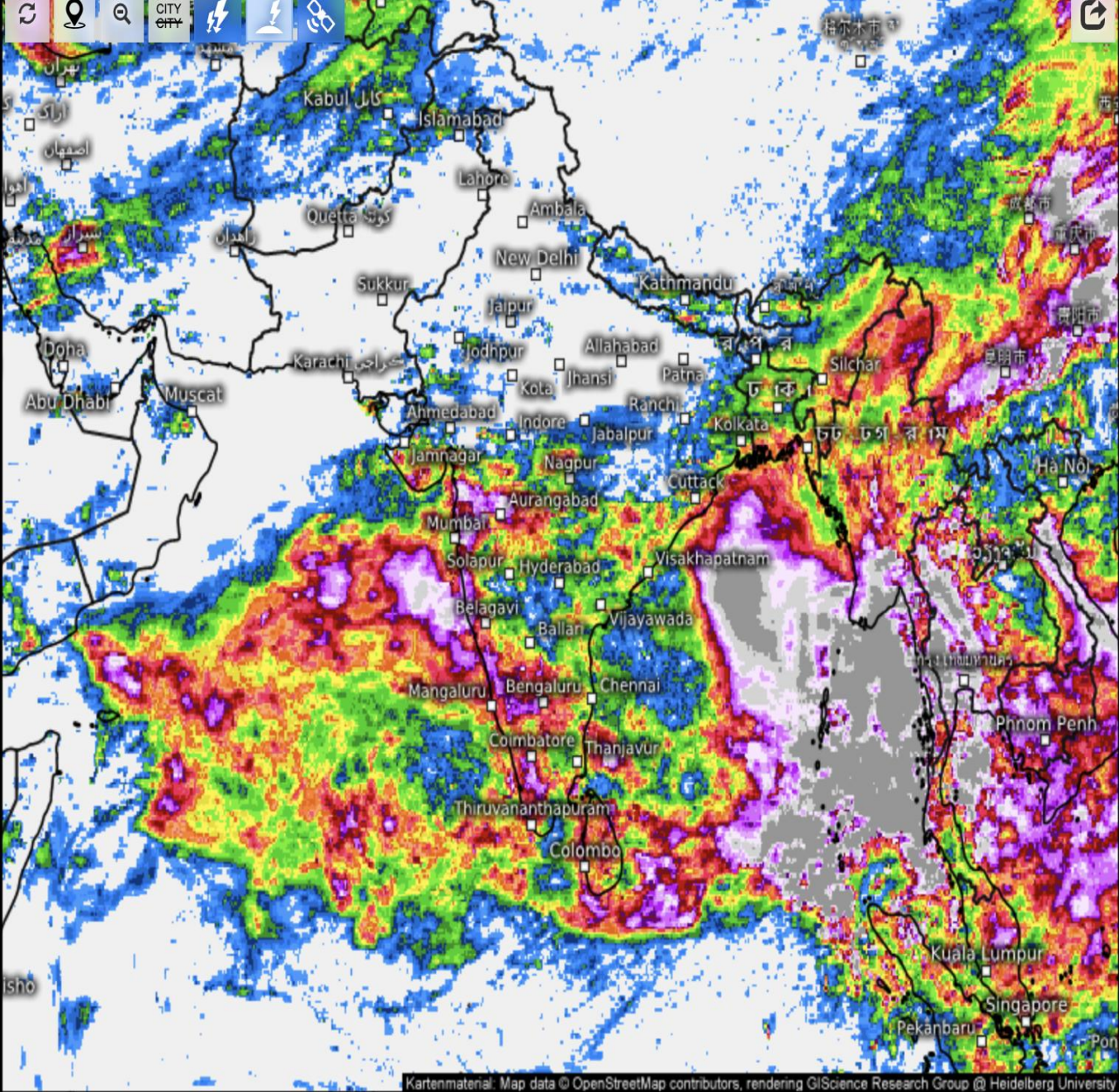
Accumulated Precipitation, 7 days (Satellite) (mm)

Thu 10/24/2024, 08:30am IST

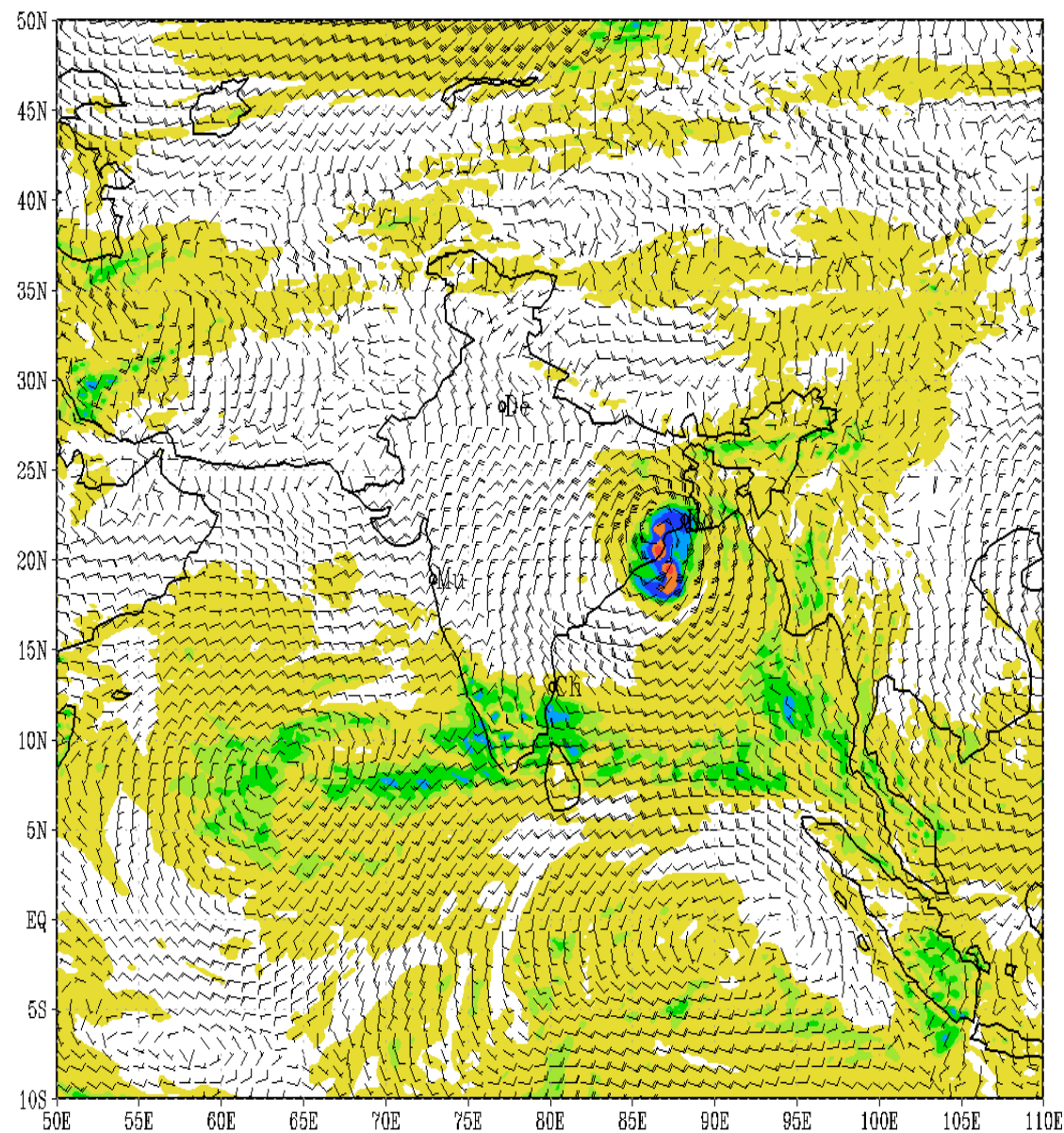


Thu 24 Oct 2024 00 UTC (T+168)

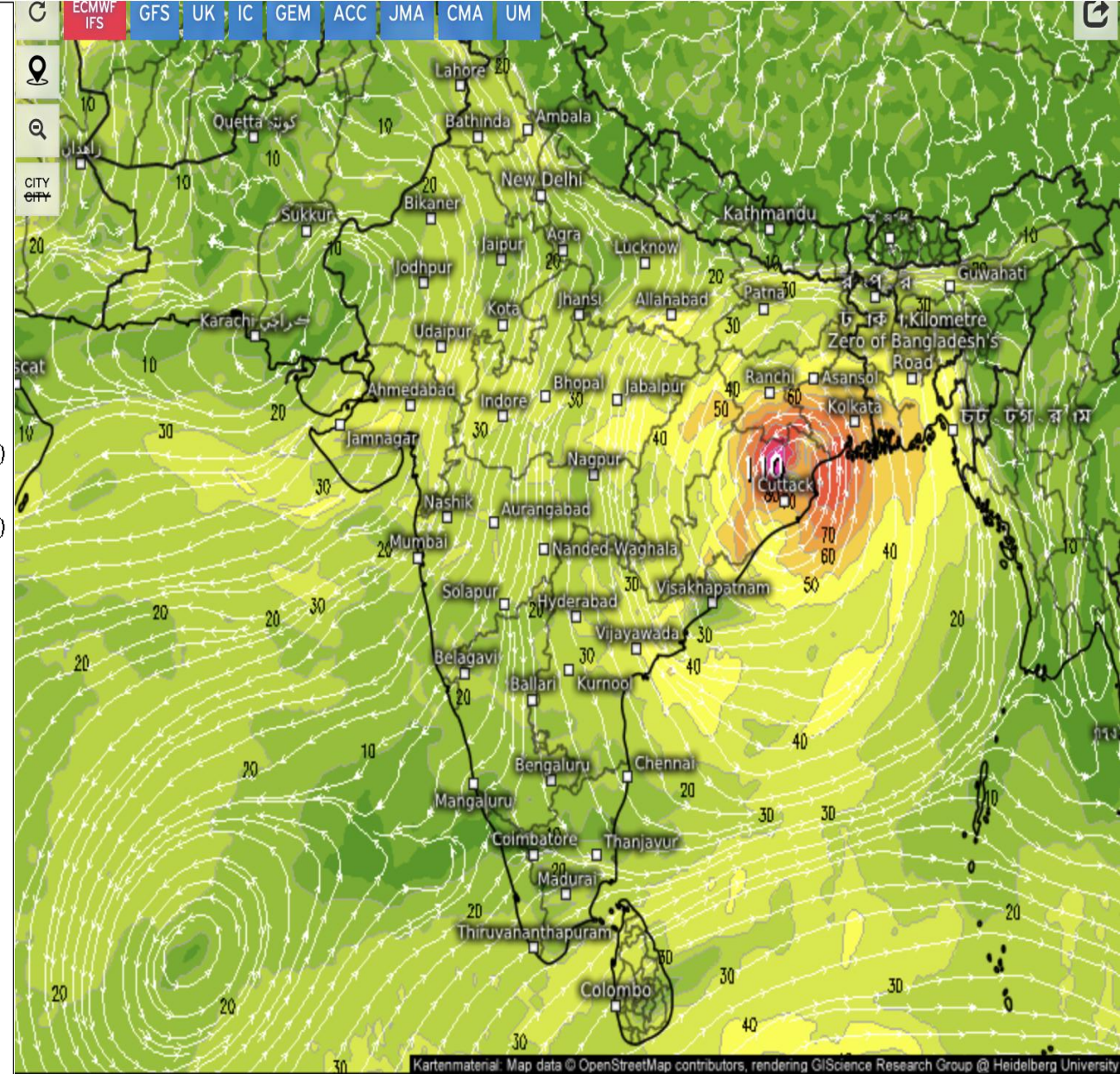




IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (24 HR)
based on 00 UTC of 24-10-2024 valid for 03 UTC of 25-10-2024

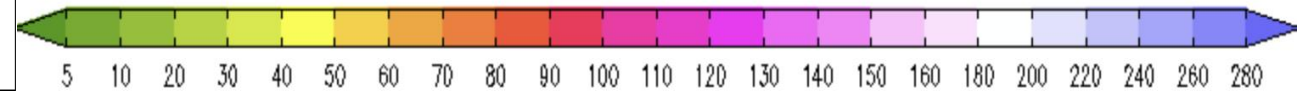


(Background does not depict political boundary)

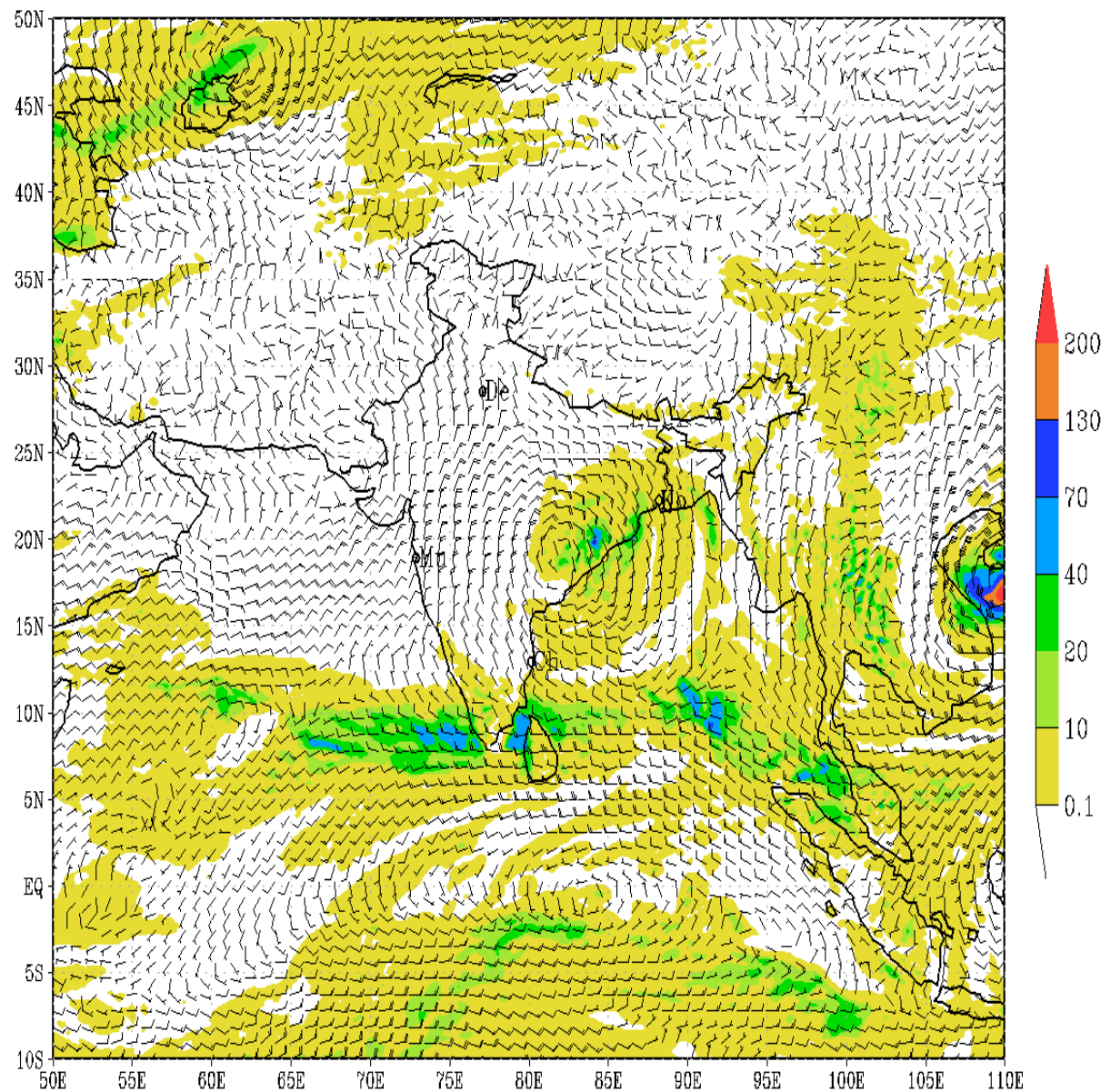


Wind speed and streamlines, 850hPa (kph) 

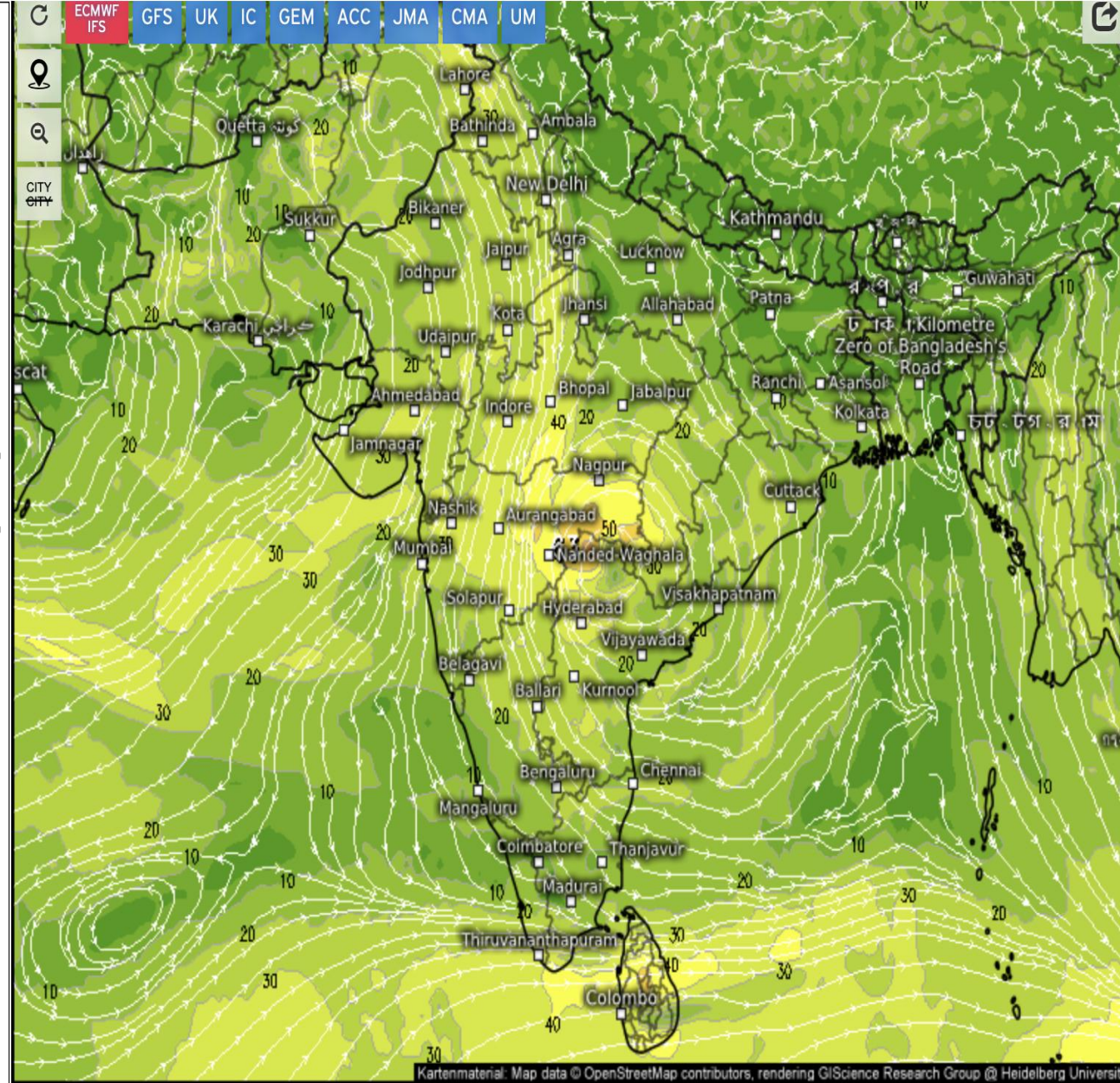
Valid for
Fri 10/25/2024, 05:30am IST



IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (72 HR)
based on 00 UTC of 24-10-2024 valid for 03 UTC of 27-10-2024

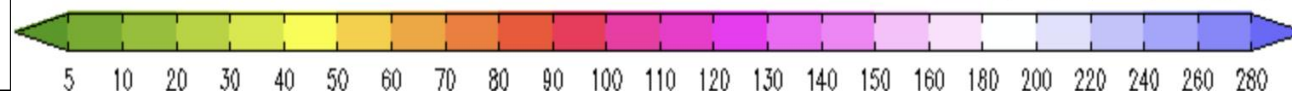


(Background does not depict political boundary)

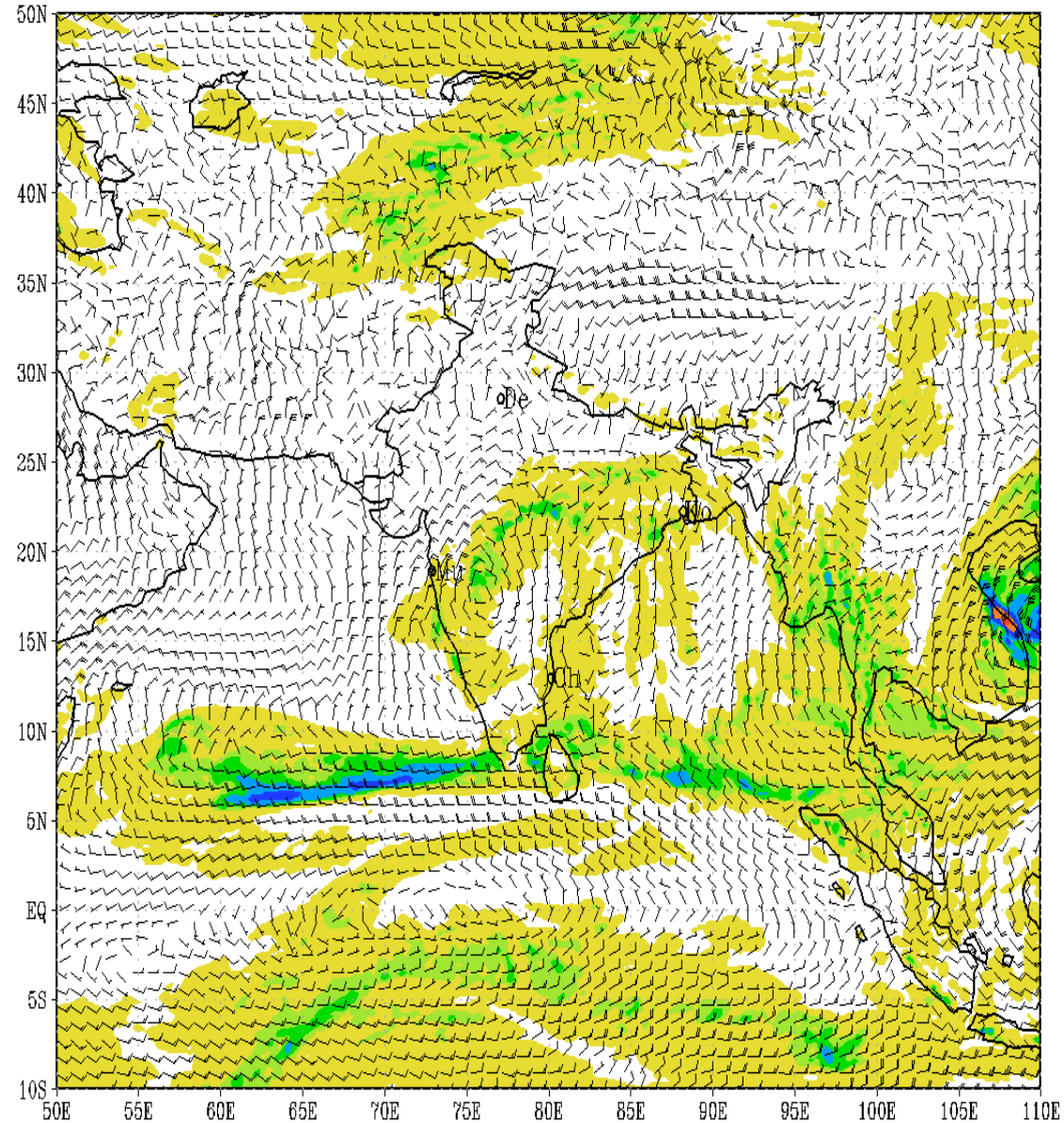


Wind speed and streamlines, 850hPa (kph)

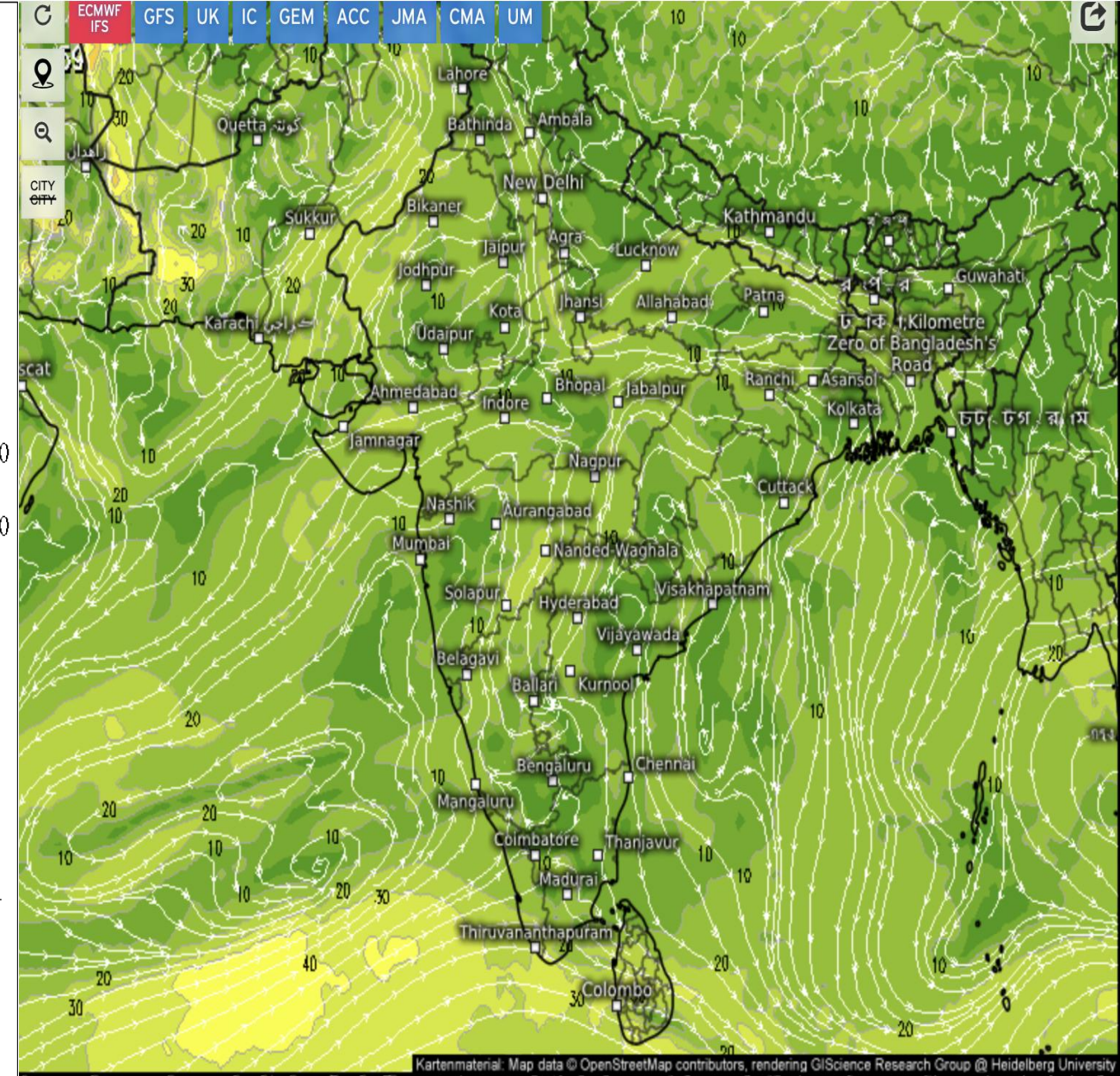
Valid for
Sun 10/27/2024, 05:30am IST



IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (120 HR)
based on 00 UTC of 24-10-2024 valid for 03 UTC of 29-10-2024

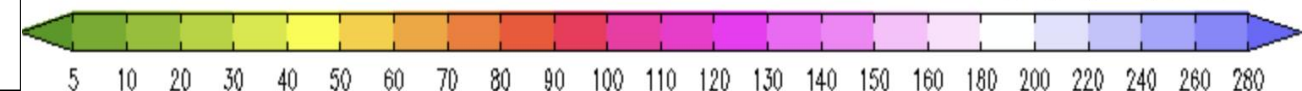


(Background does not depict political boundary)

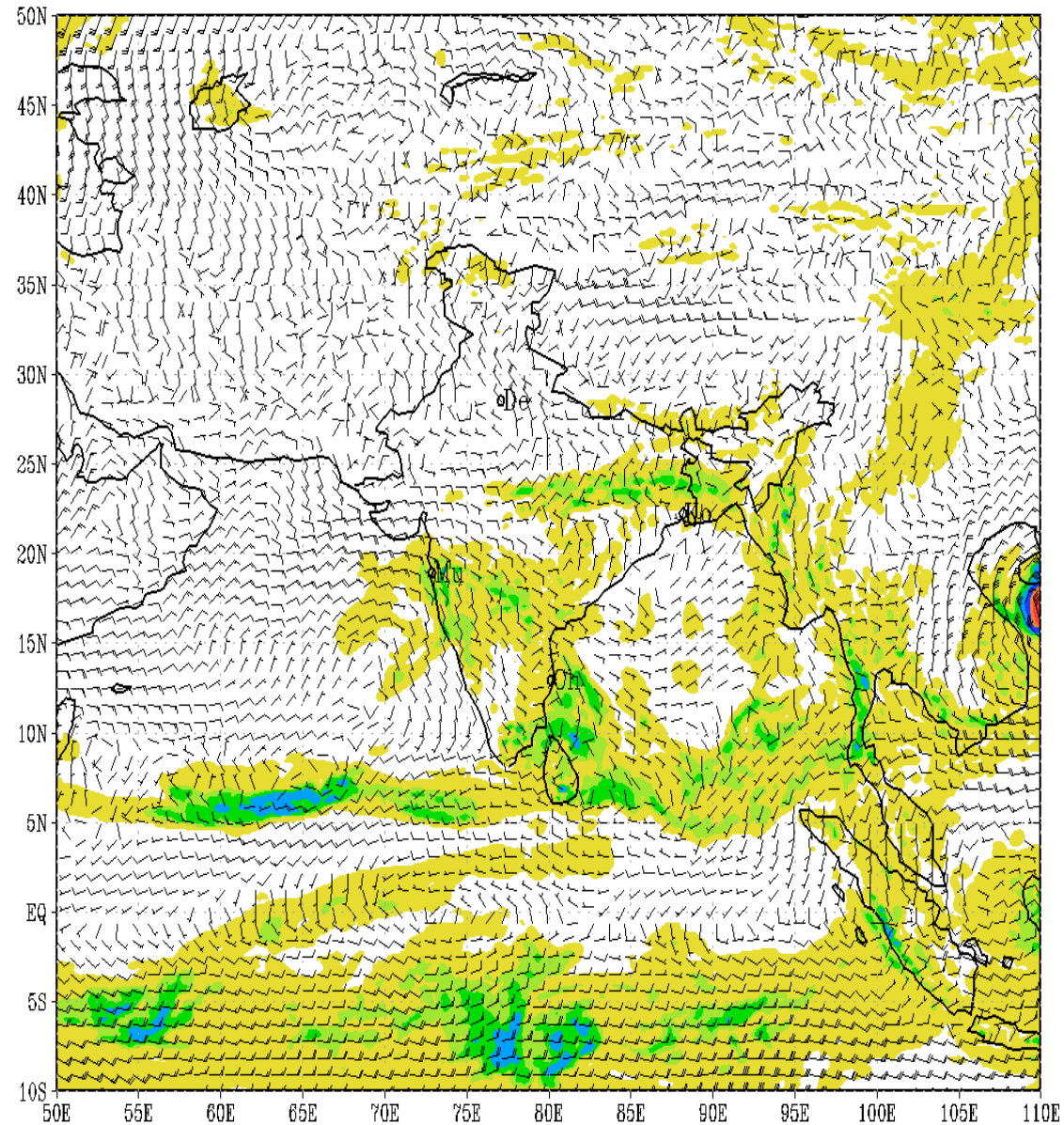


Wind speed and streamlines, 850hPa (kph) 

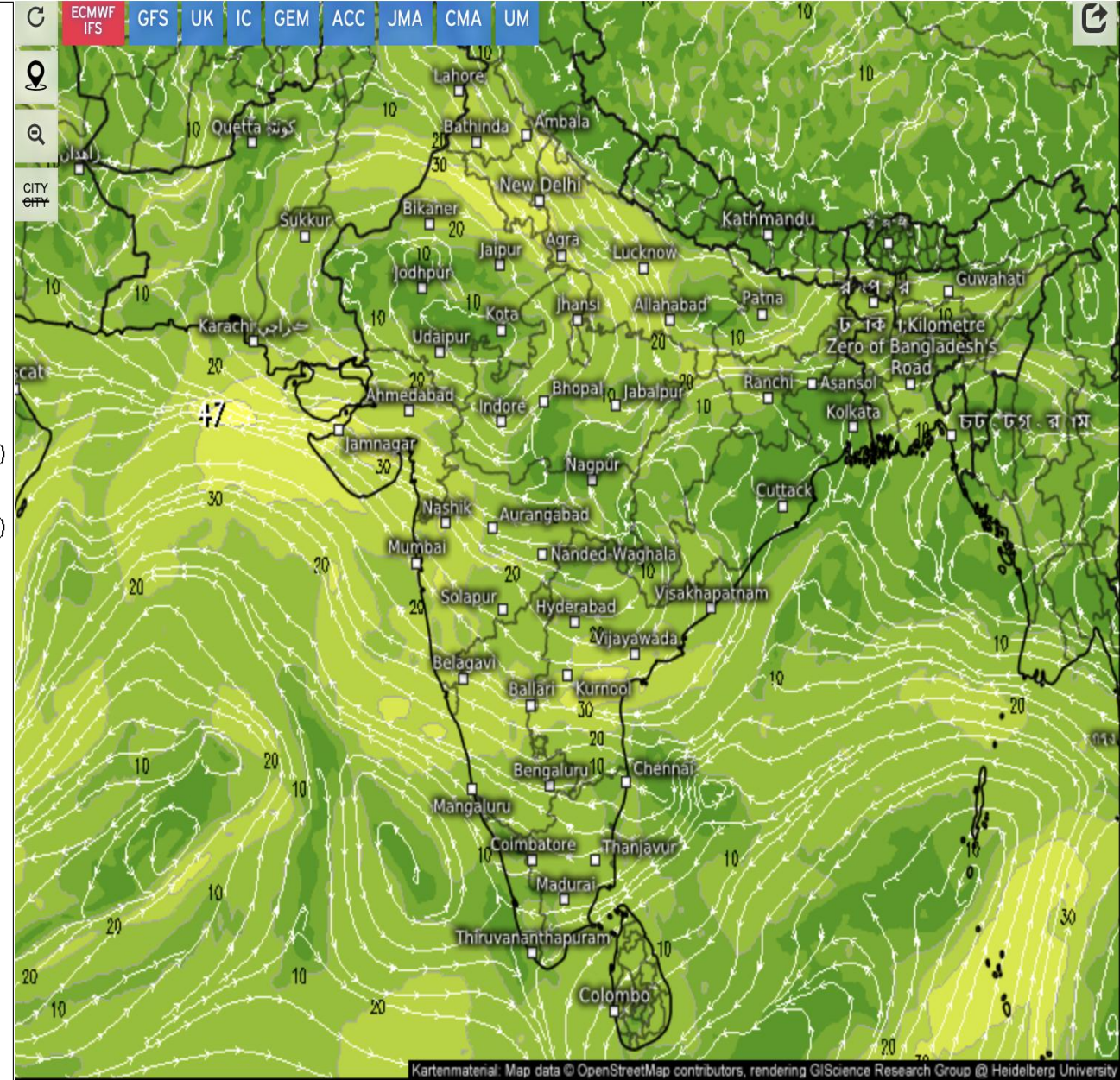
Valid for
Tue 10/29/2024, 05:30am IST



IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (168 HR)
based on 00 UTC of 24-10-2024 valid for 03 UTC of 31-10-2024



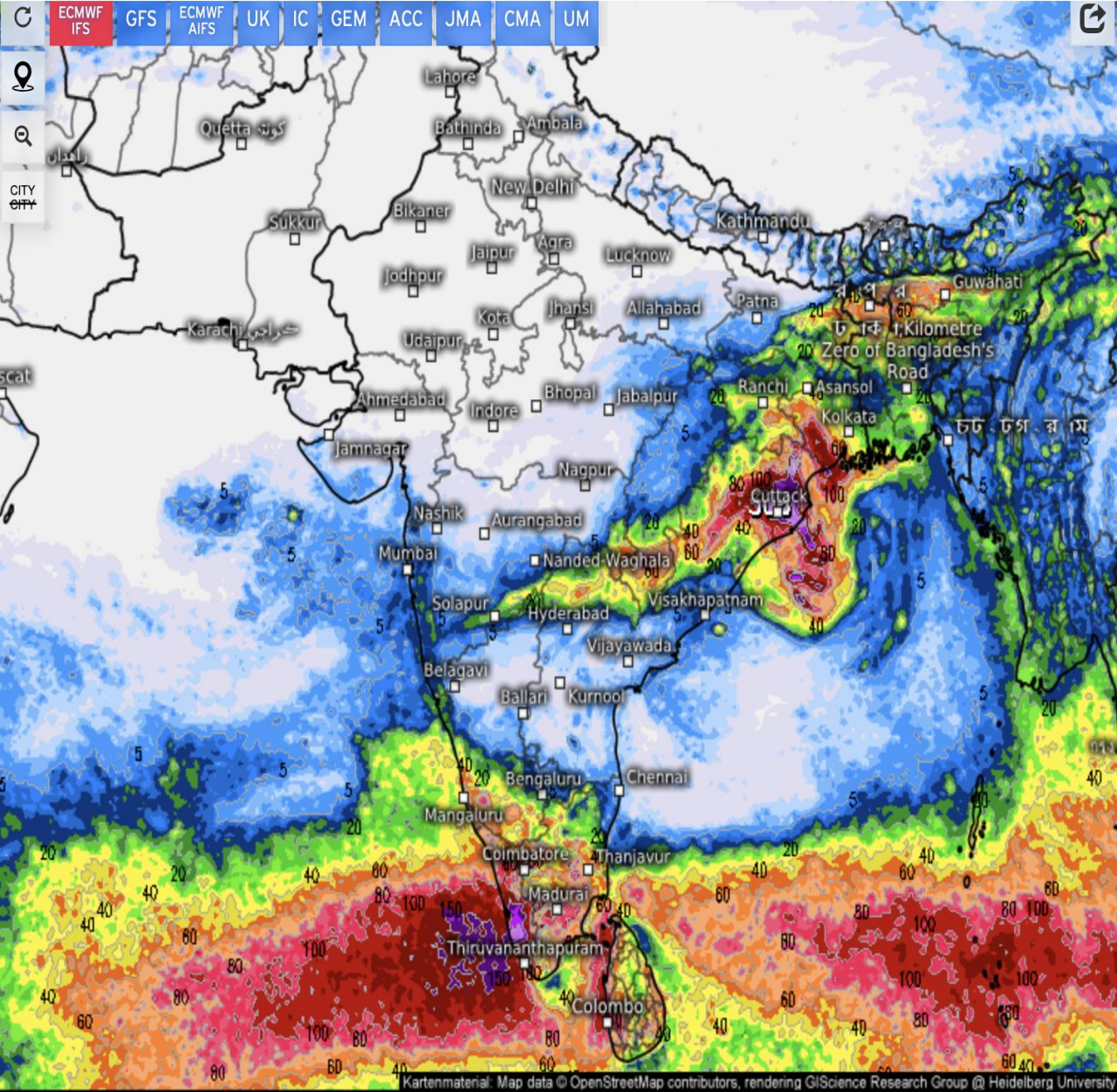
(Background does not depict political boundary)



Wind speed and streamlines, 850hPa (kph)

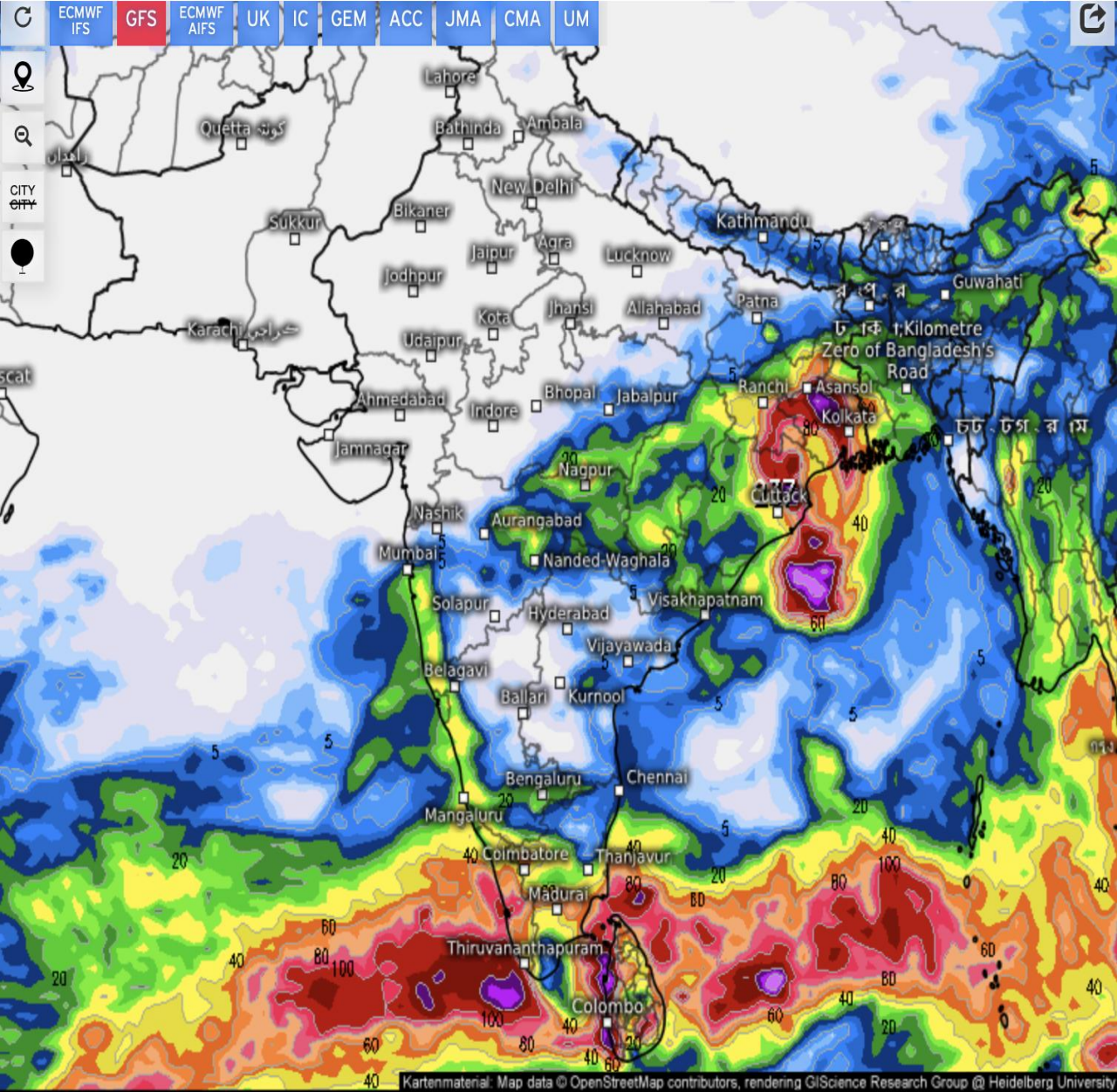
Valid for
Thu 10/31/2024, 05:30am IST





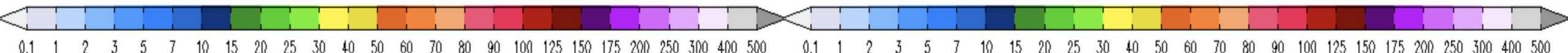
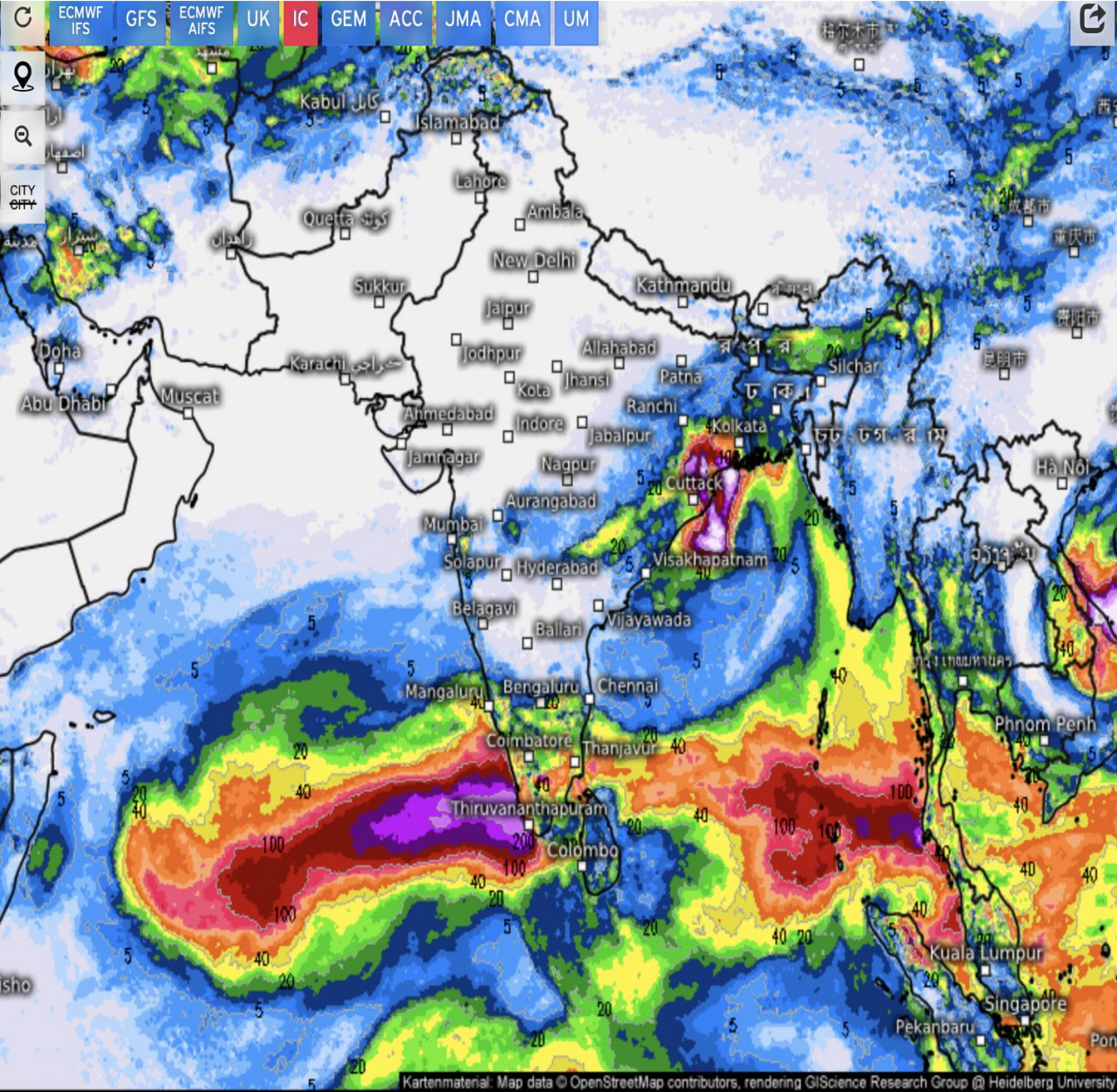
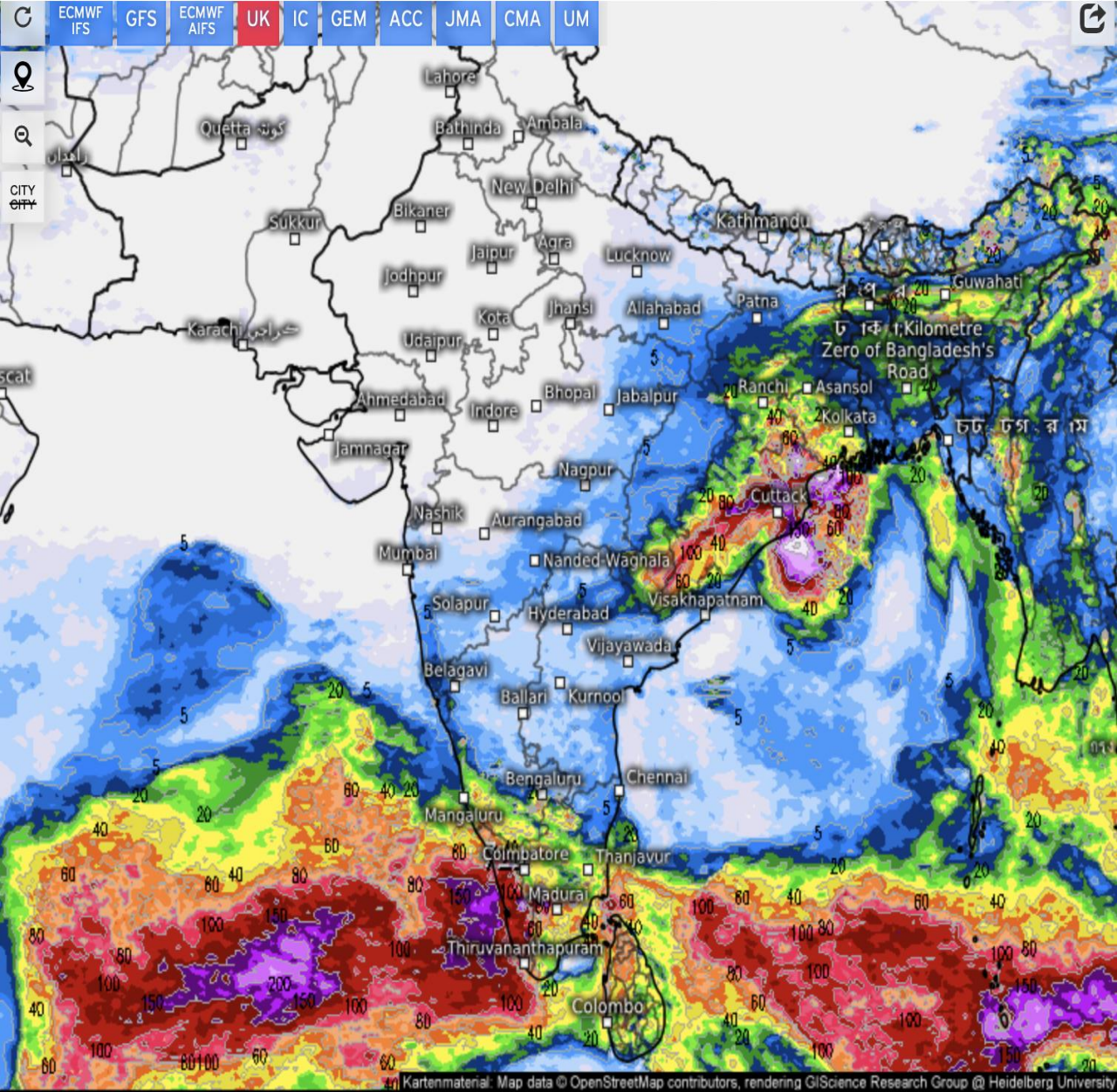
Accumulated total precipitation (mm)

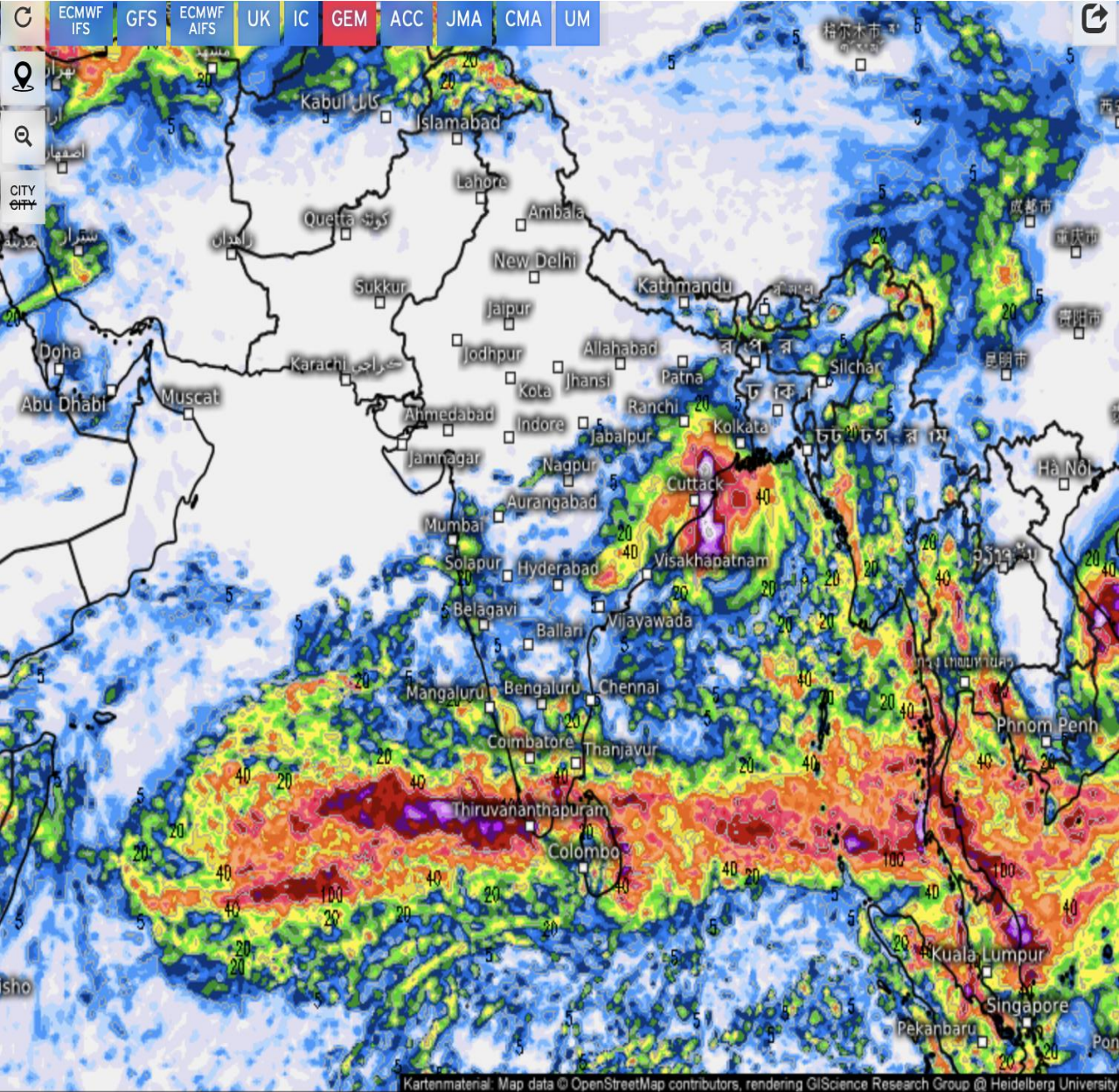
From Thu 10/24/2024, 05:30am IST
to Thu 10/31/2024, 05:30am IST



Accumulated total precipitation (mm)

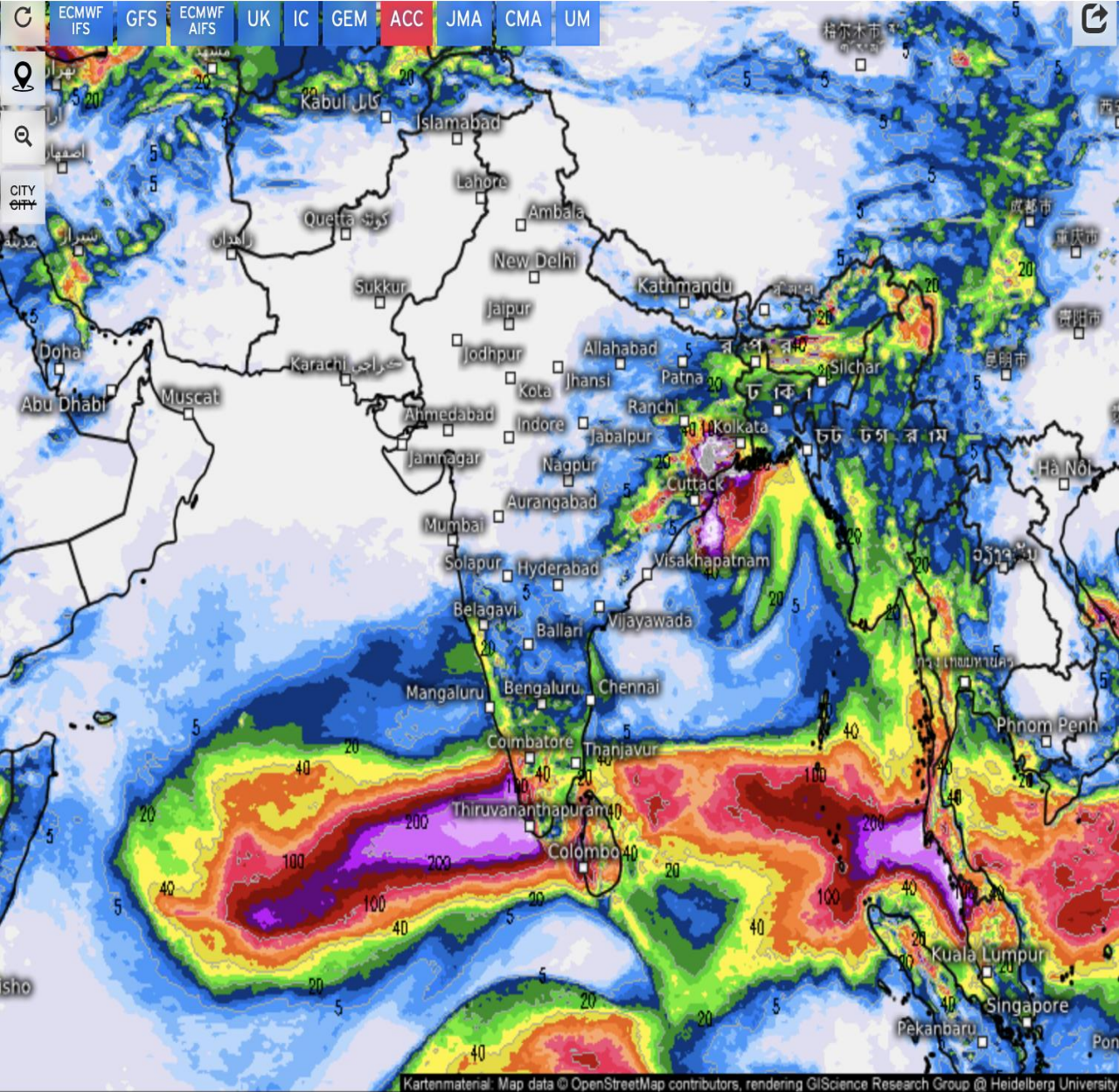
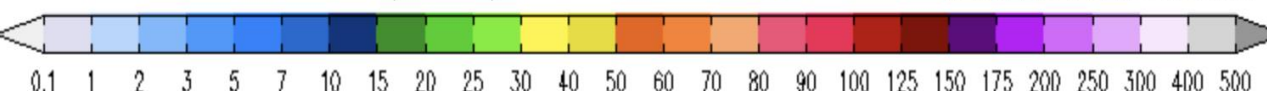
From Thu 10/24/2024, 05:30am IST
to Thu 10/31/2024, 05:30am IST





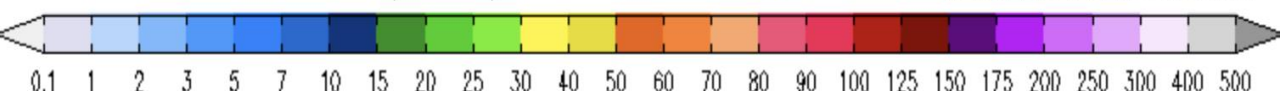
Accumulated total precipitation (mm)

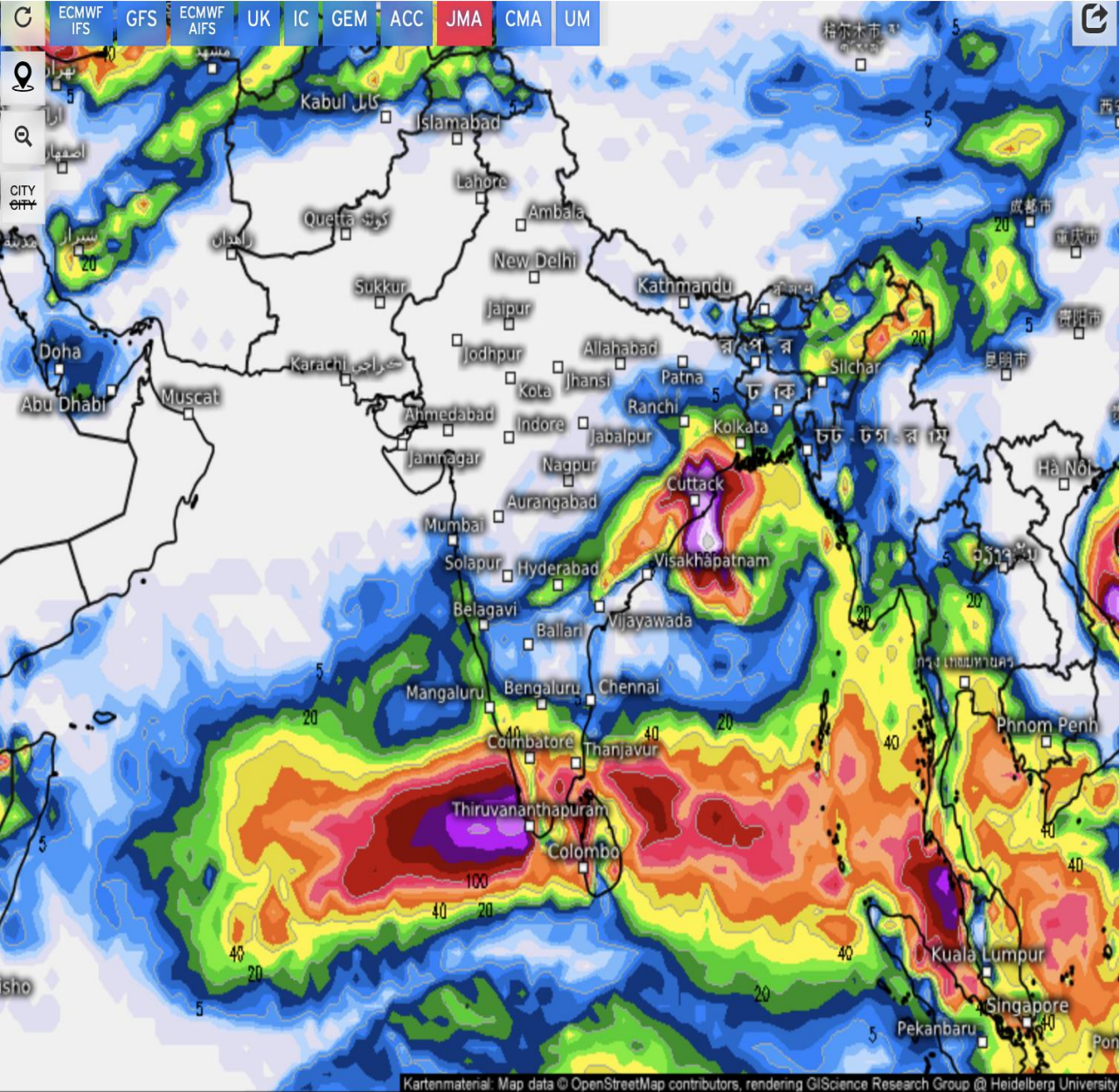
From Thu 10/24/2024, 05:30am IST
to Thu 10/31/2024, 05:30am IST



Accumulated total precipitation (mm)

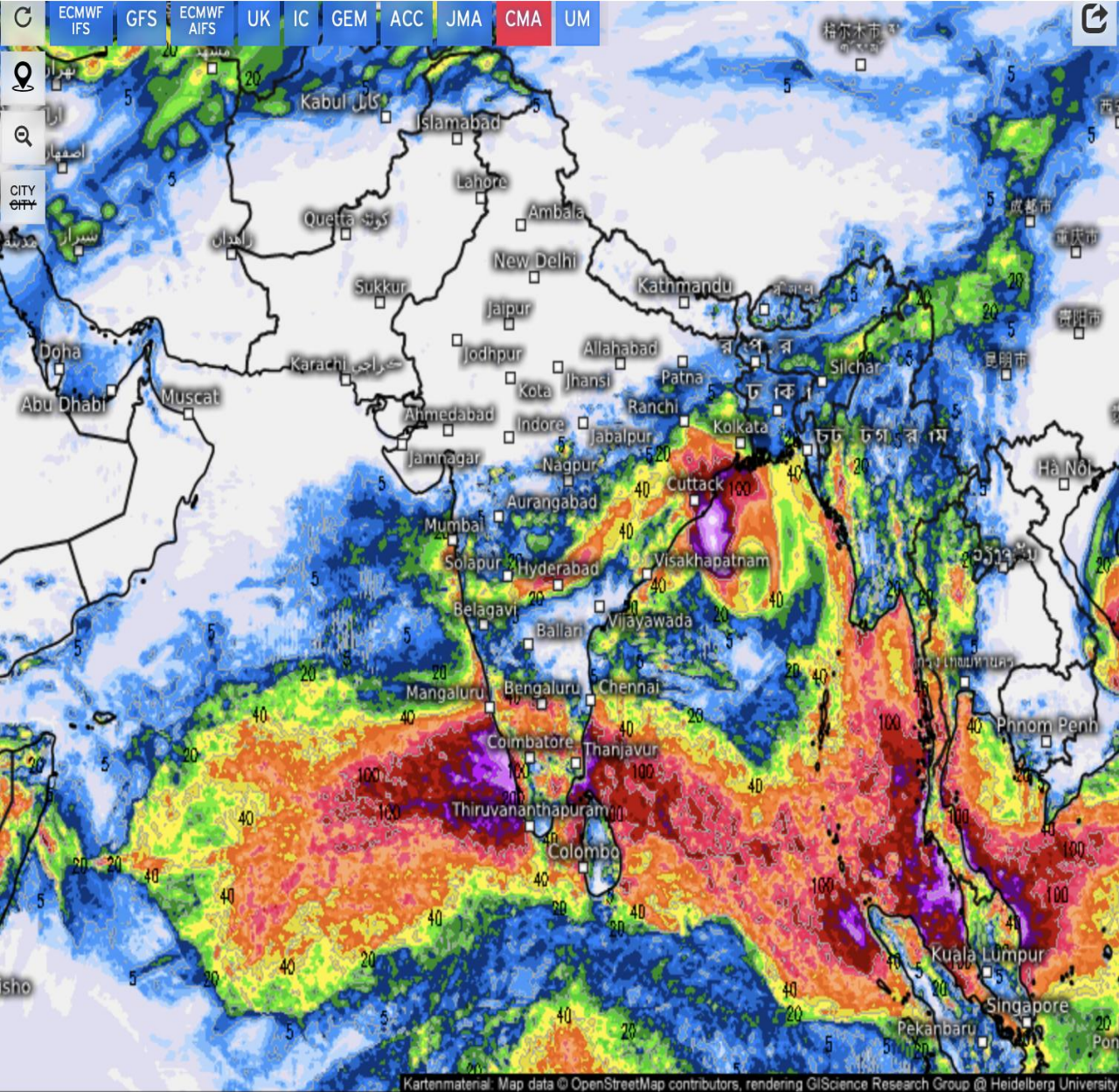
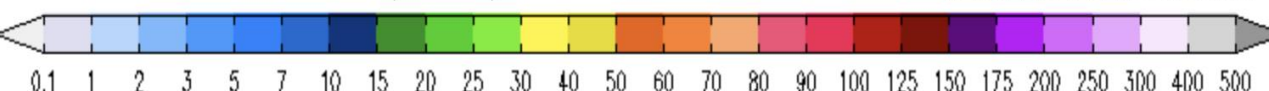
From Thu 10/24/2024, 05:30am IST
to Thu 10/31/2024, 05:30am IST





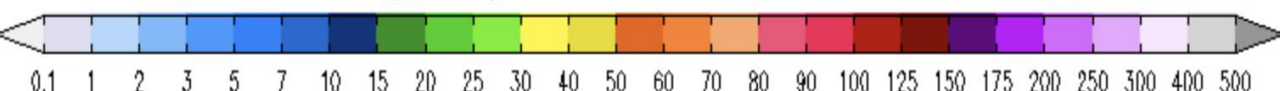
Accumulated total precipitation (mm)

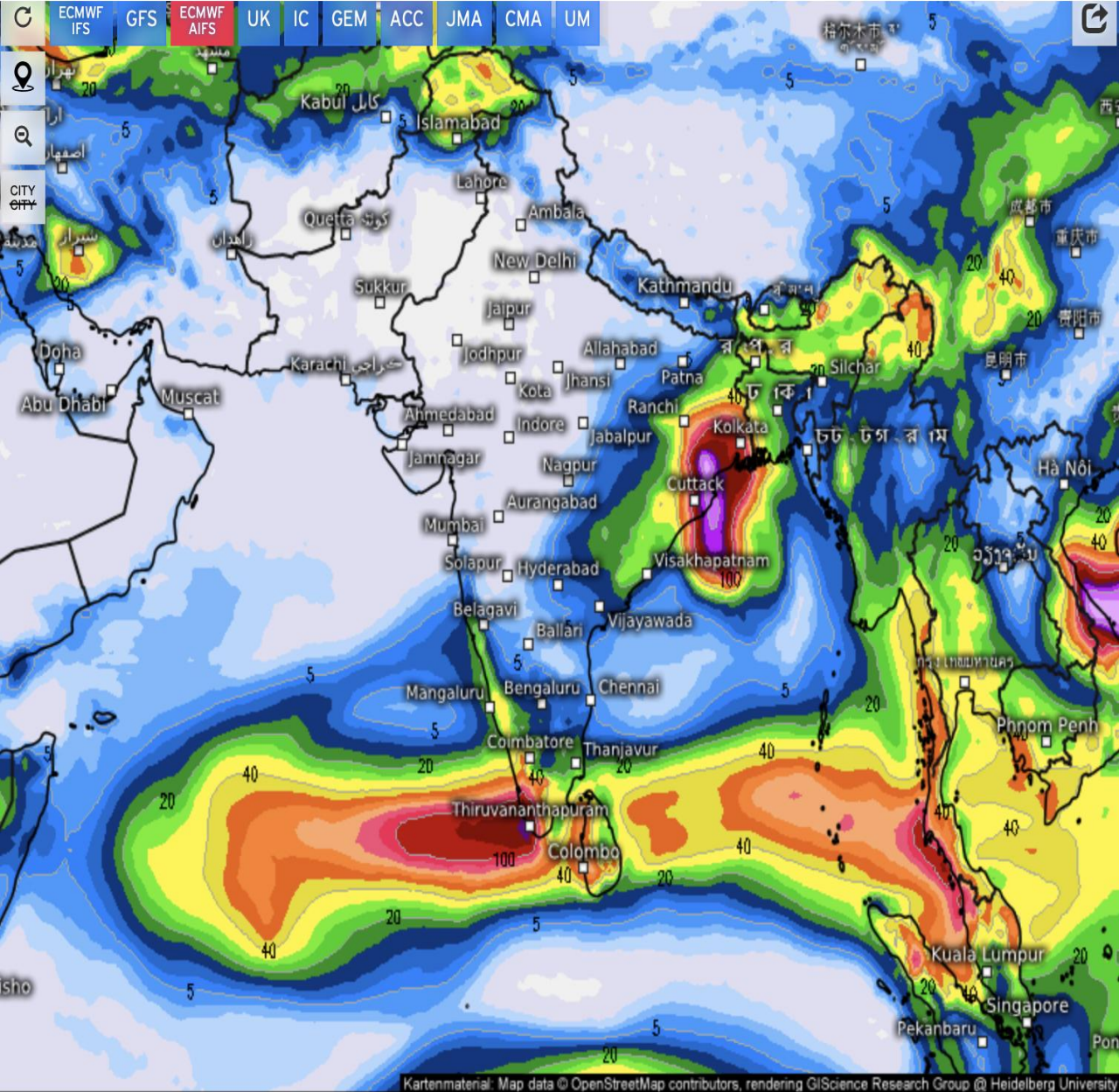
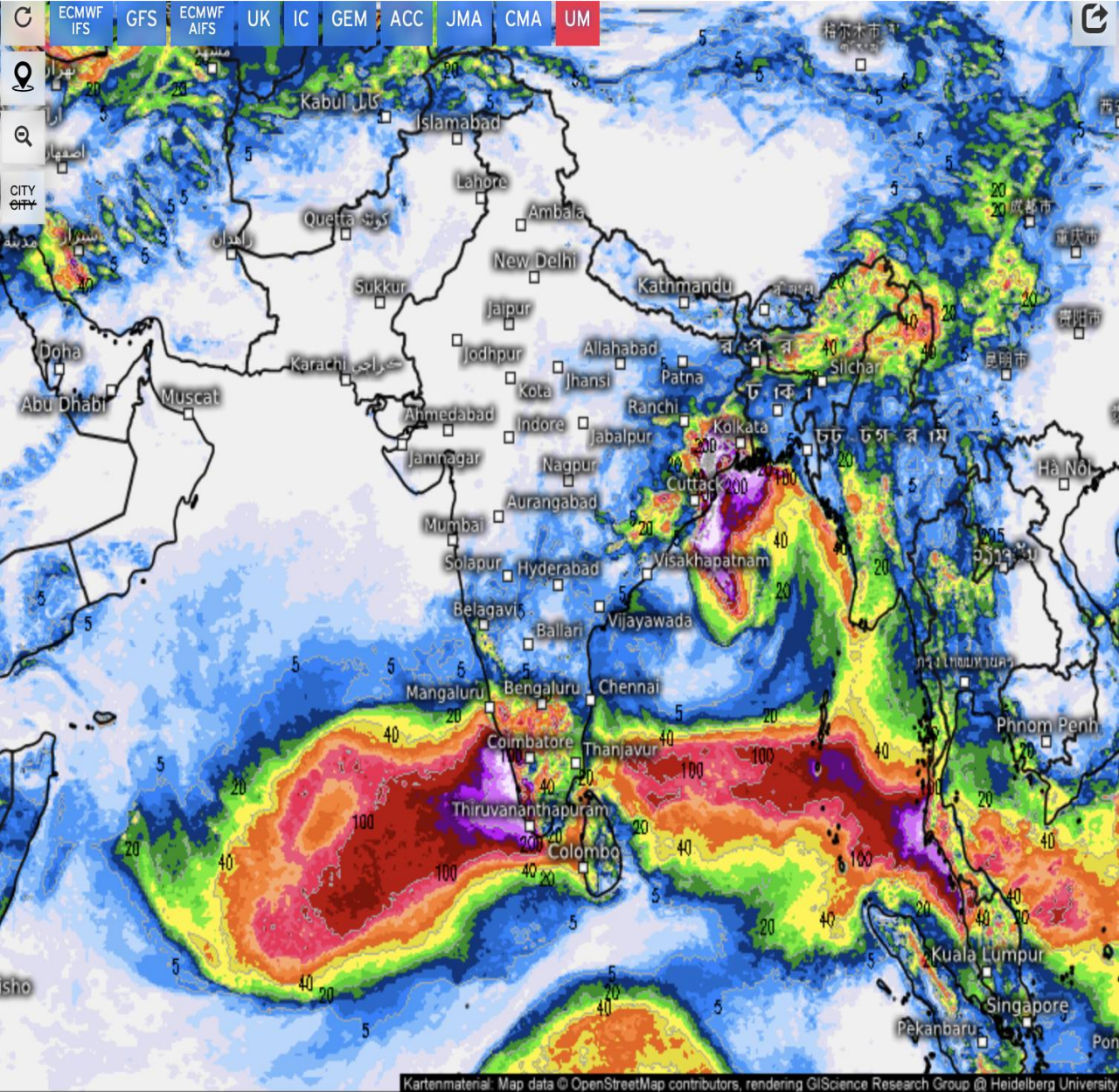
From Wed 10/23/2024, 05:30pm IST
to Thu 10/31/2024, 05:30am IST

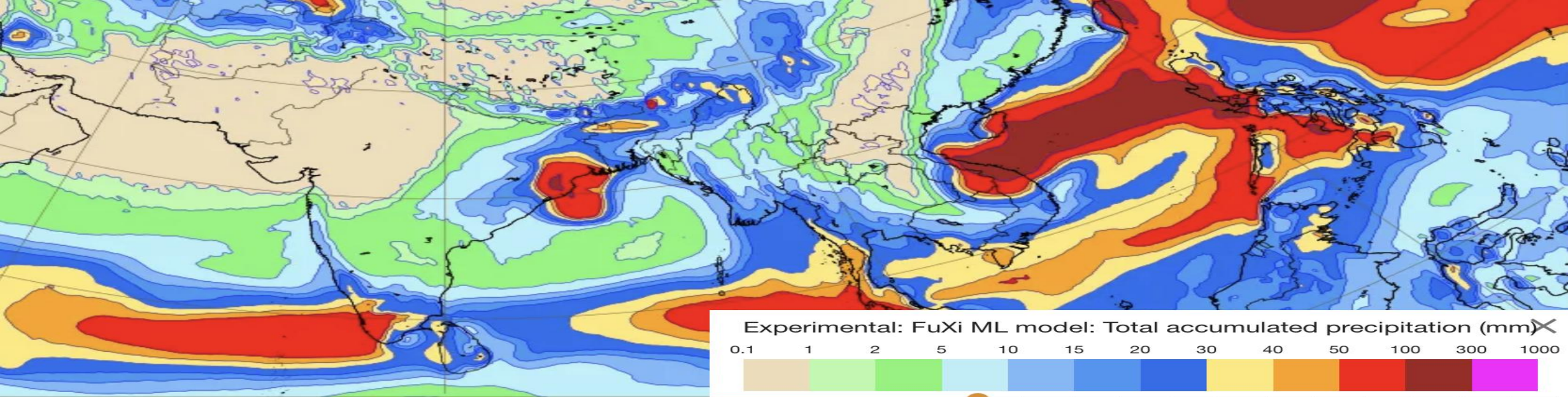


Accumulated total precipitation (mm)

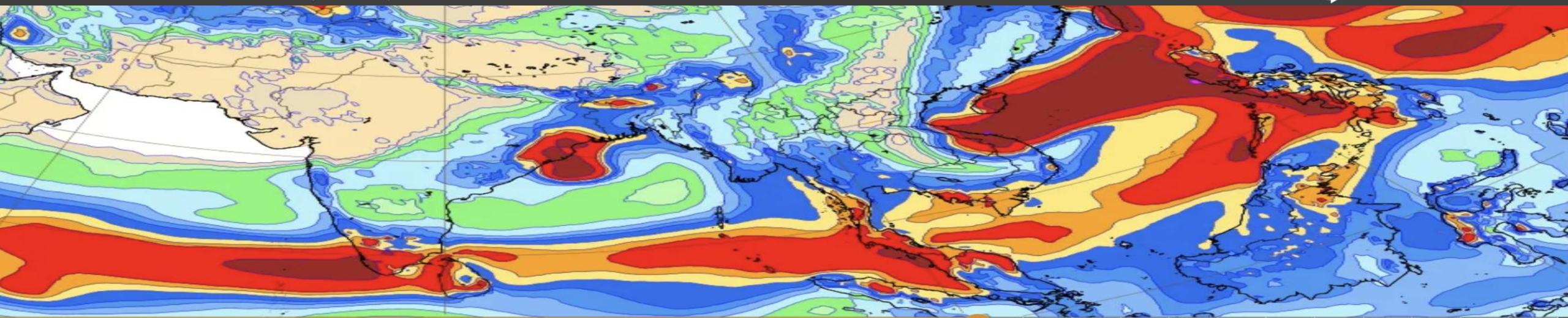
From Wed 10/23/2024, 05:30pm IST
to Thu 10/31/2024, 05:30am IST







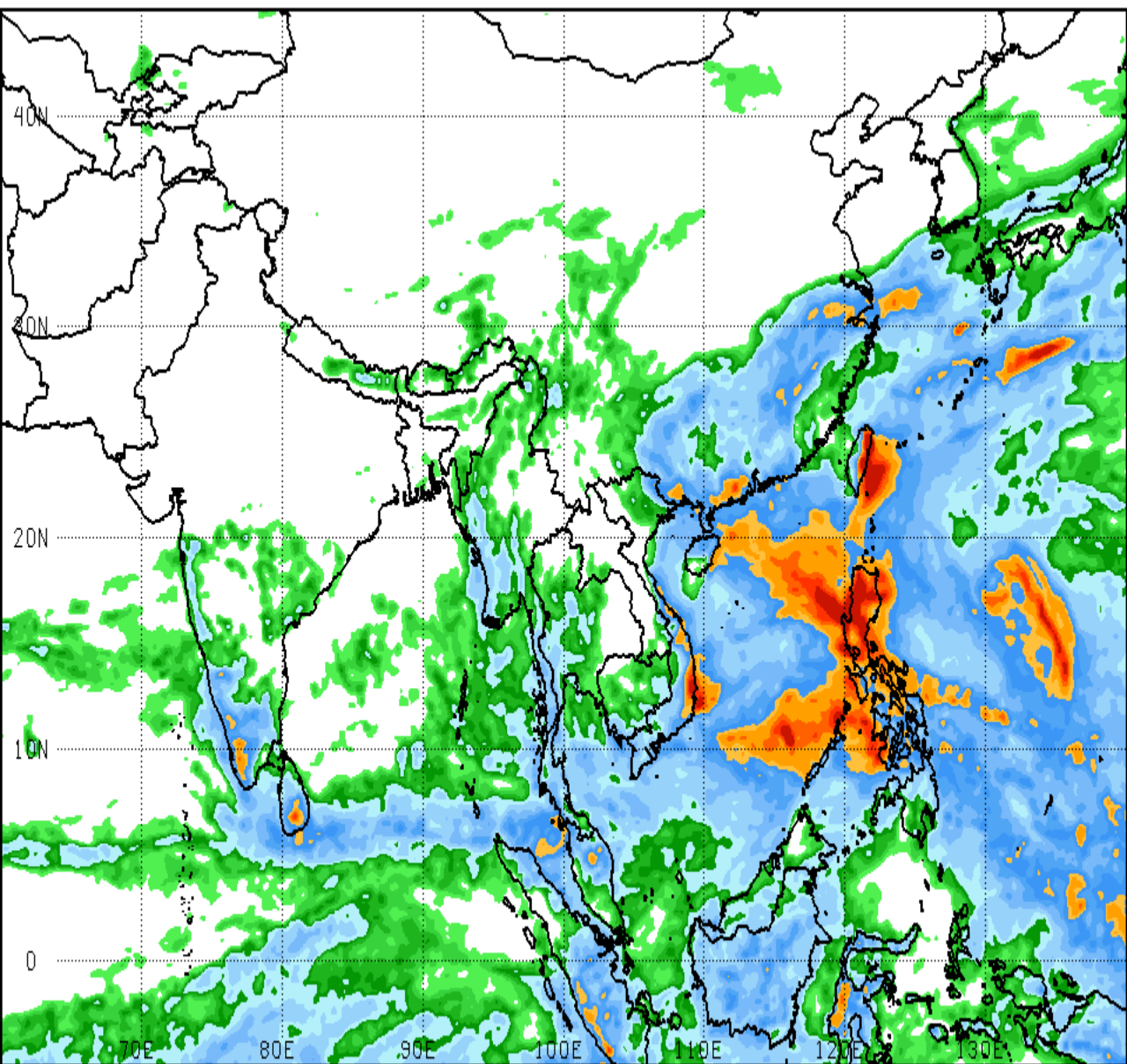
Thu 31 Oct 2024 00 UTC (T+168)



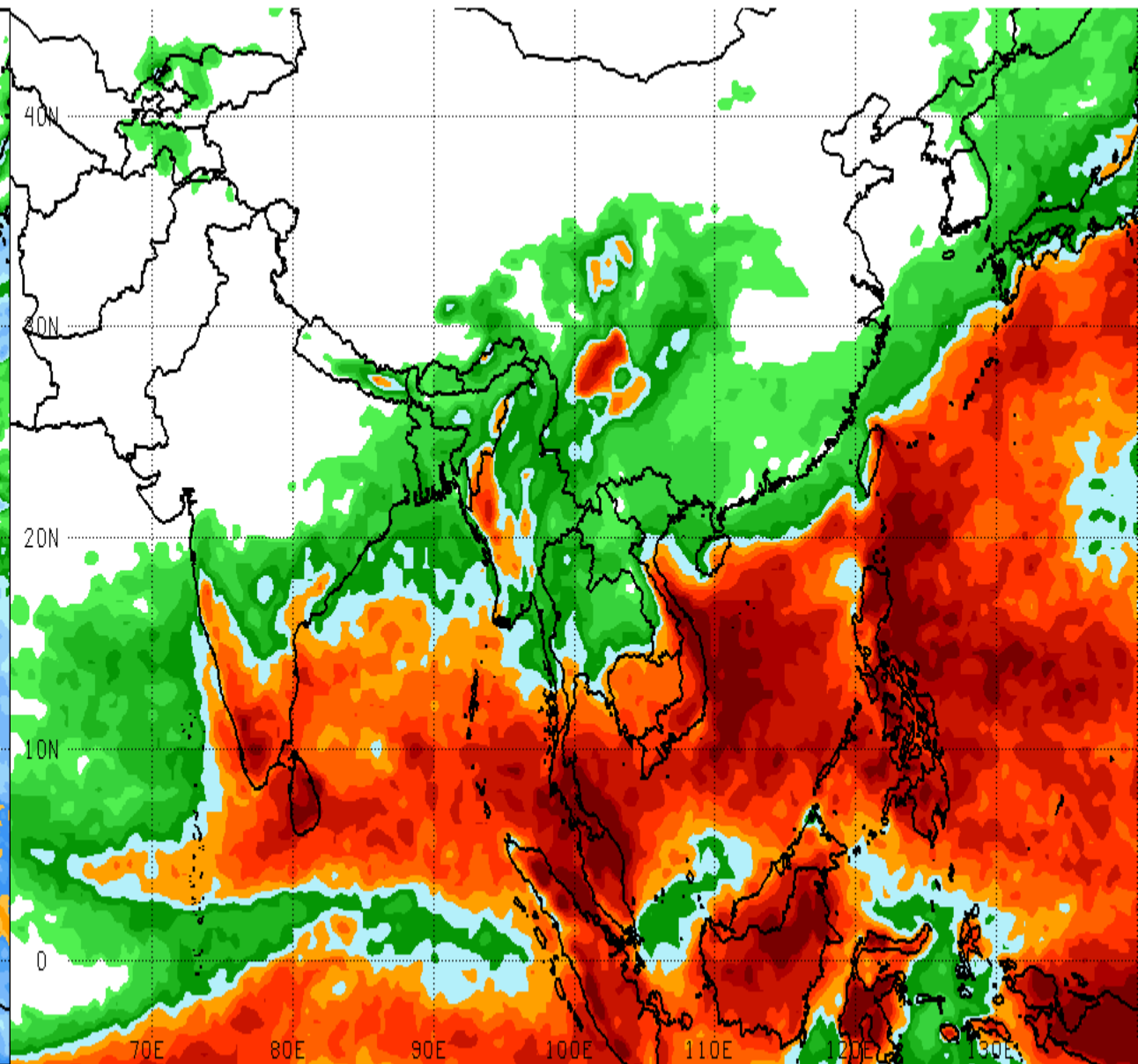
Thu 31 Oct 2024 00 UTC (T+168)



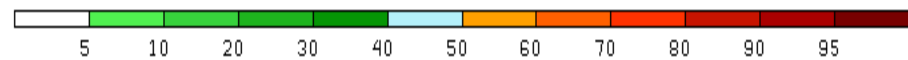
Experimental: GraphCast (Google Deepmind) ML model: Total accumulated precipitation (mm)

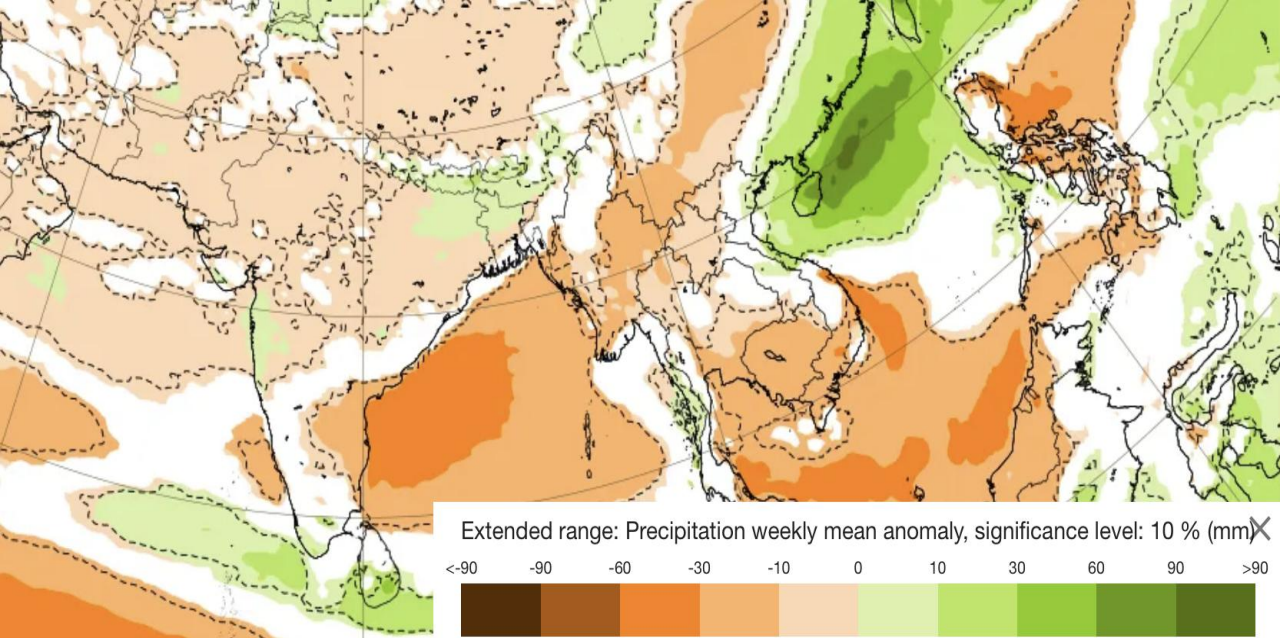


NOAA GFS 20241024 t00z cycle FCST week2 Total Precip (mm) VALID 2024110700Z

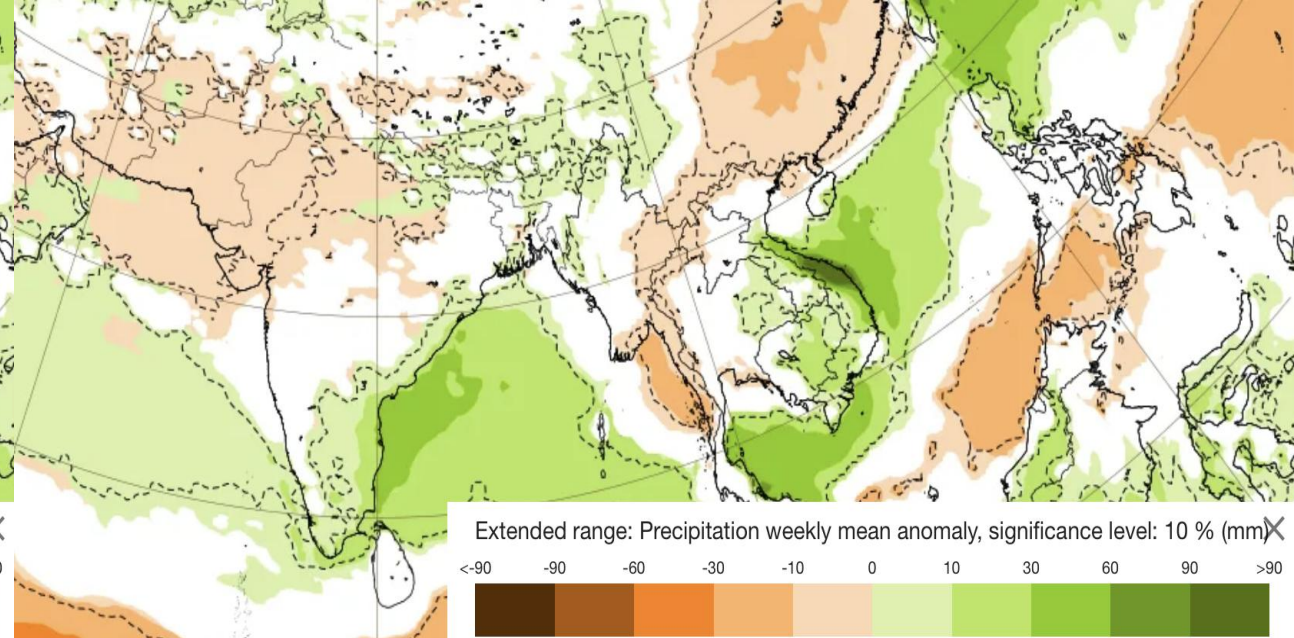


NOAA GFS 20241024 00zCYC FCST Probability of Week2 Precip > 25mm VALID 20241107/0000V336

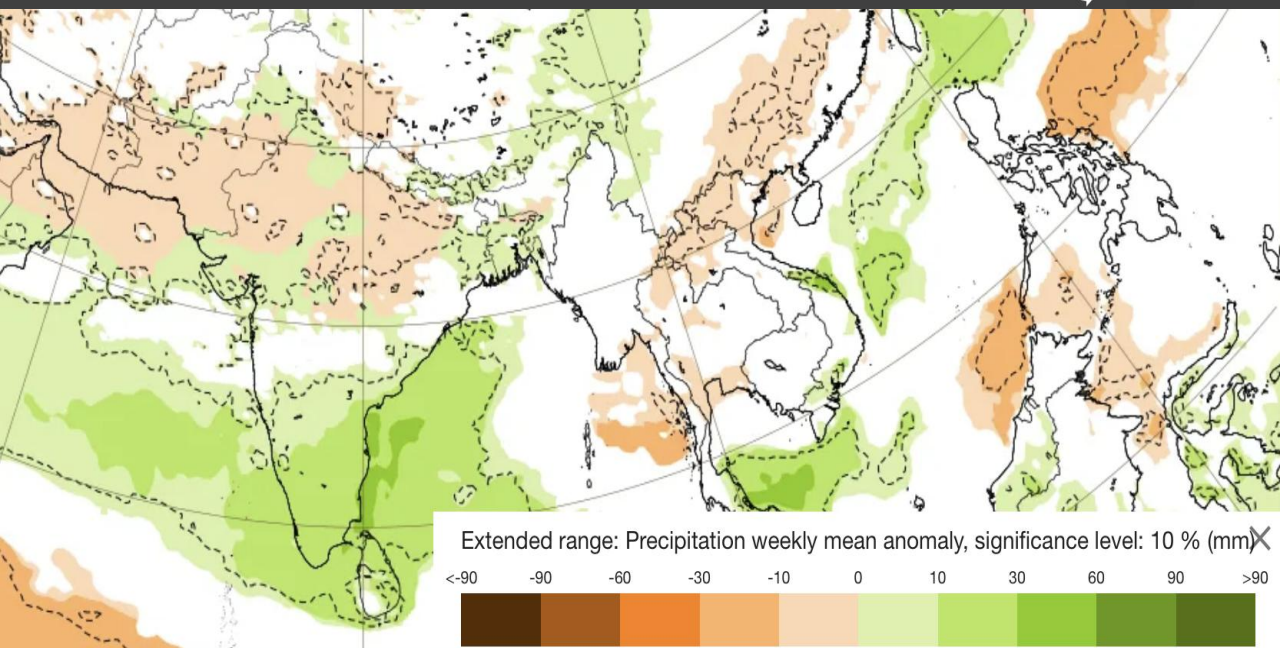




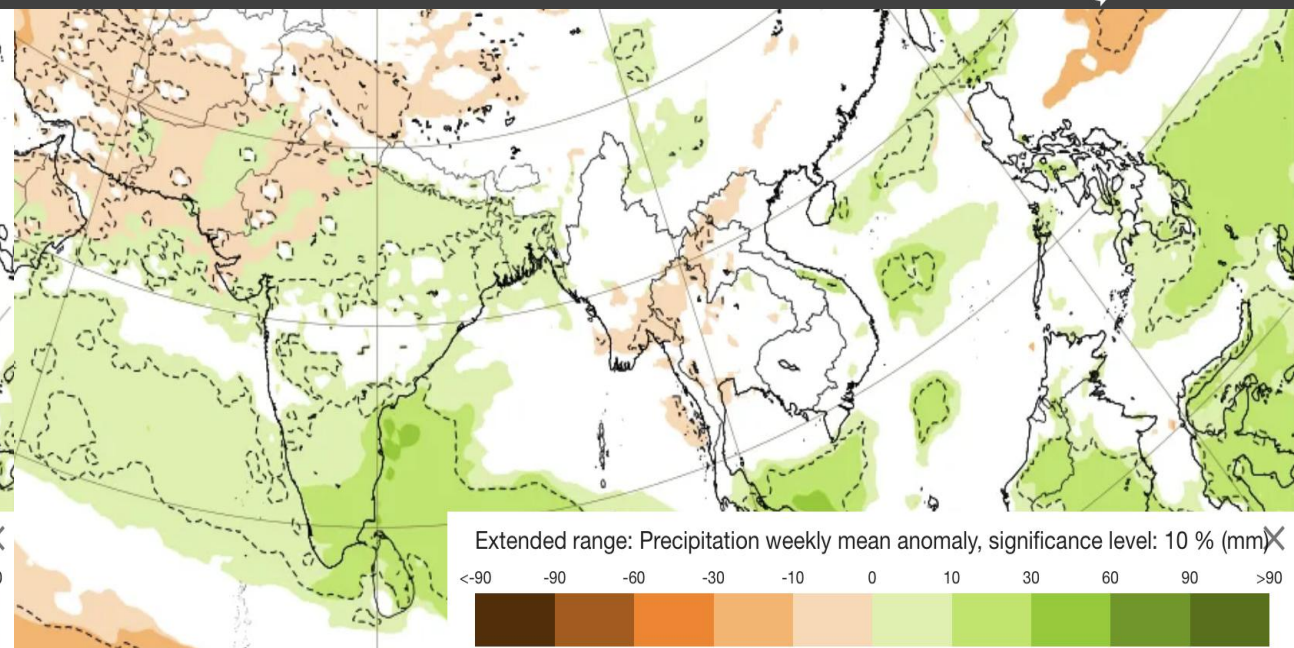
Mon 28 Oct 2024 - Mon 04 Nov 2024



Mon 04 Nov 2024 - Mon 11 Nov 2024



Mon 11 Nov 2024 - Mon 18 Nov 2024



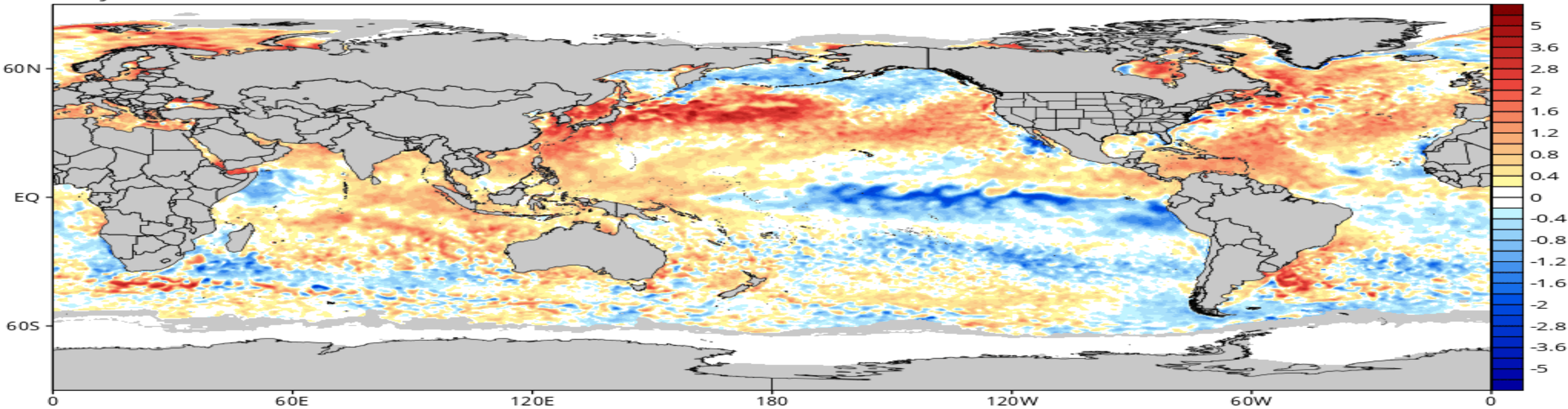
Mon 18 Nov 2024 - Mon 25 Nov 2024



CDAS Sea Surface Temperature Anomaly (°C) (based on CFSR 1981-2010 Climatology)

Analysis Time: 00z Oct 24 2024

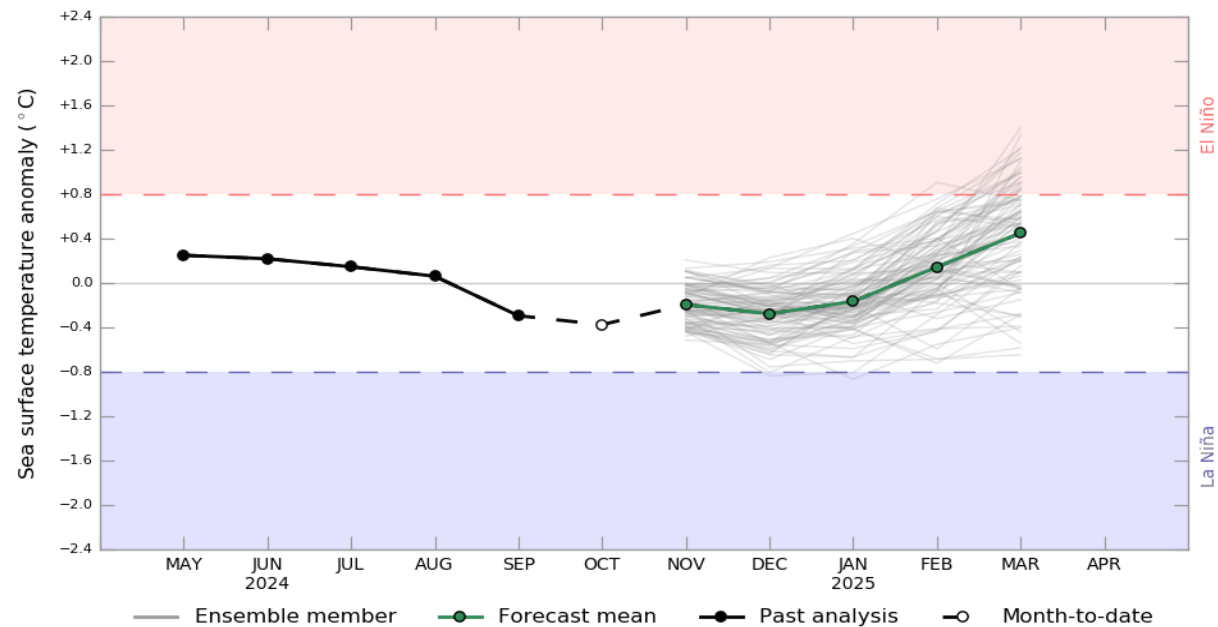
TROPICALTIDBITS.COM



CDAS Niño 3.4 Index



Niño3.4 index

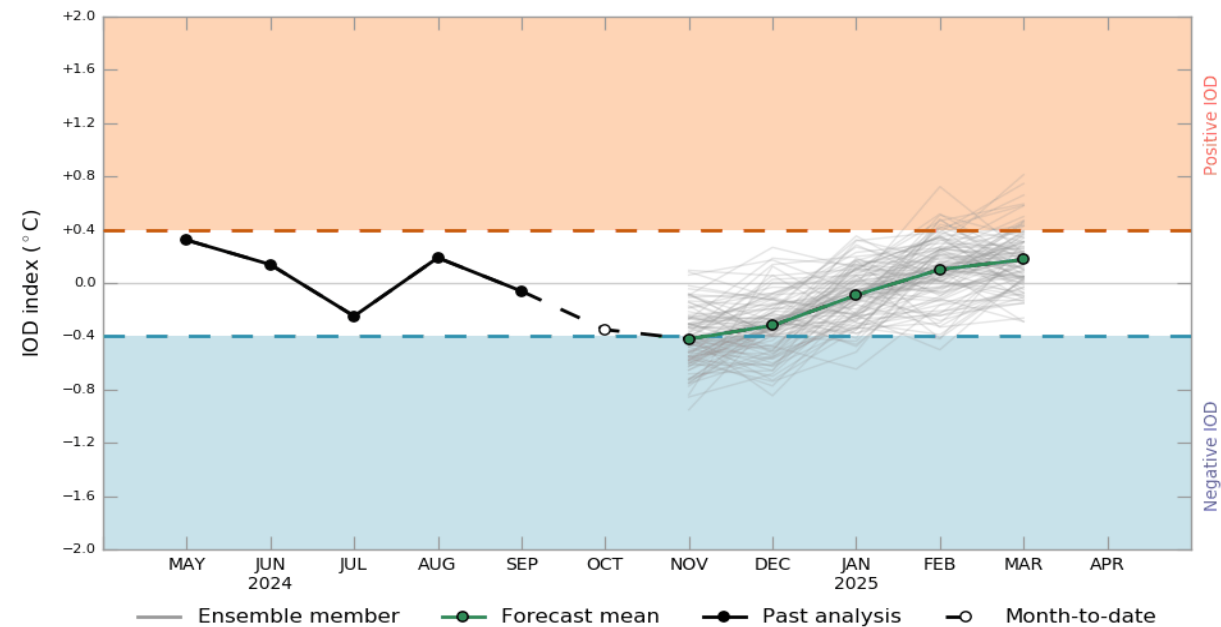


www.bom.gov.au/climate
Commonwealth of Australia 2024, Australian Bureau of Meteorology

Past analysis base period: 1991-2020
Forecast base period: 1981-2018

Model: ACCESS-S2
Model run: 12 Oct 2024

IOD index

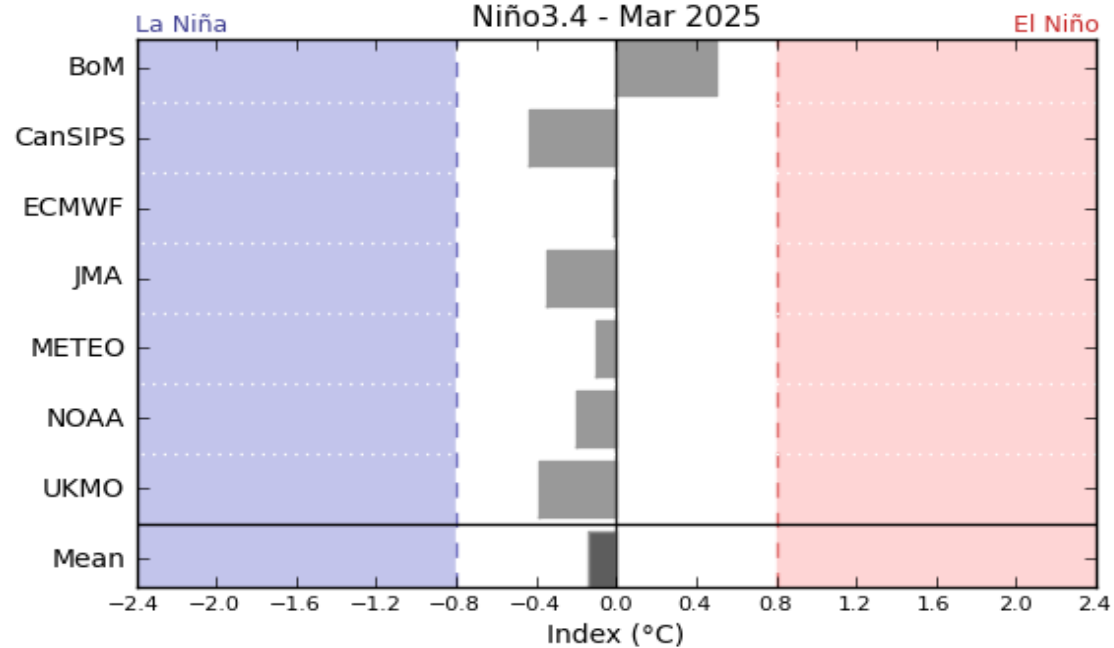


www.bom.gov.au/climate
Commonwealth of Australia 2024, Australian Bureau of Meteorology

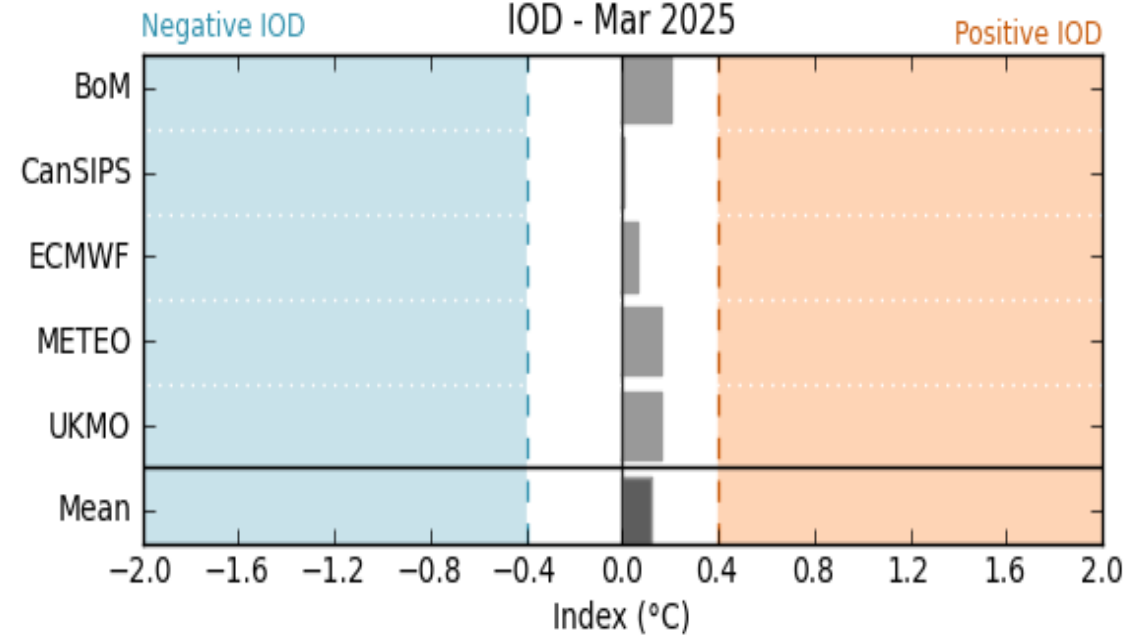
Past analysis base period: 1991-2020
Forecast base period: 1981-2018

Model: ACCESS-S2
Model run: 12 Oct 2024

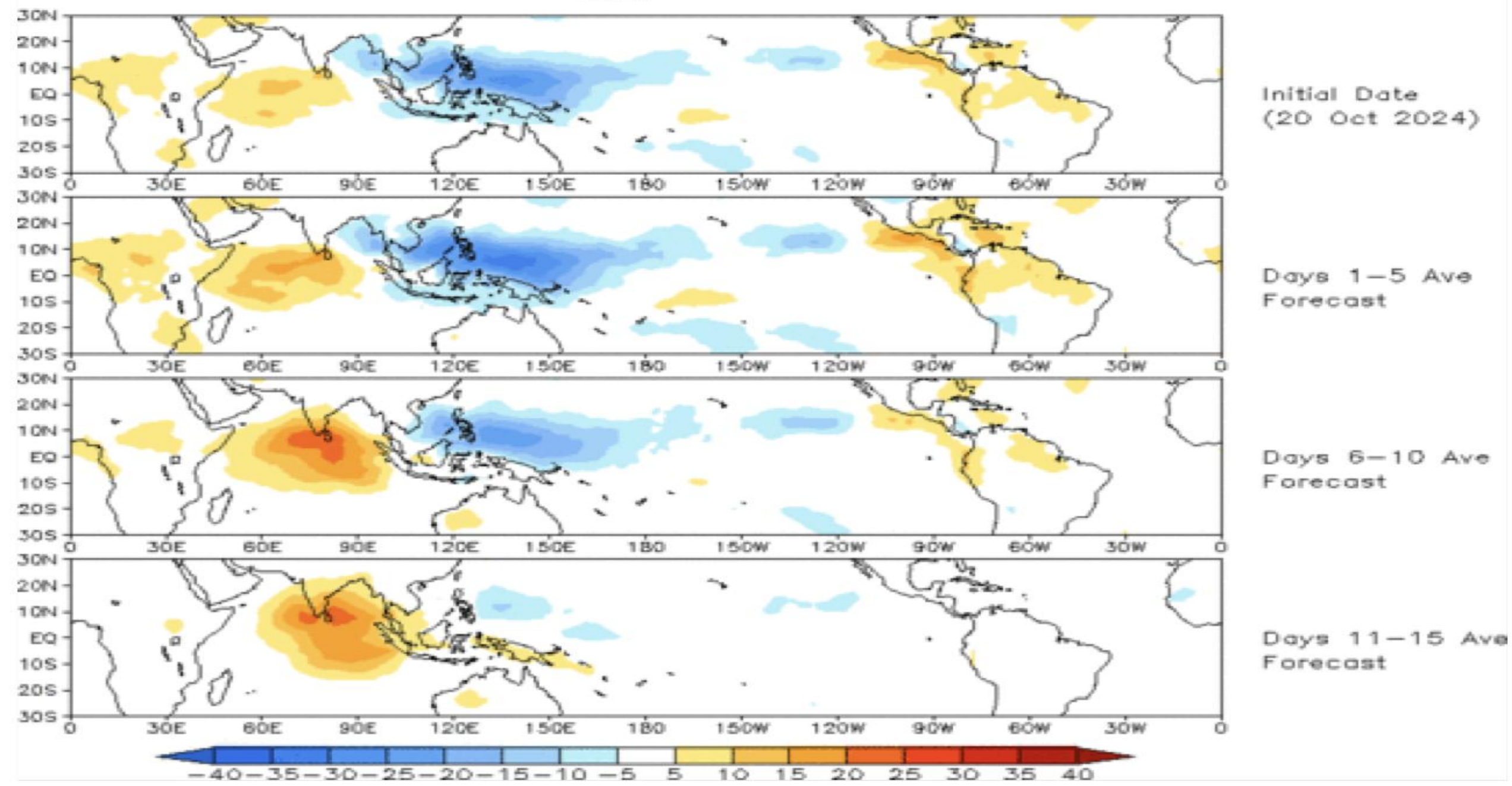
Niño3.4 - Mar 2025



IOD - Mar 2025



Prediction of MJO-related anomalies using GEFS operational forecast
Initial date: 20 Oct 2024
OLR



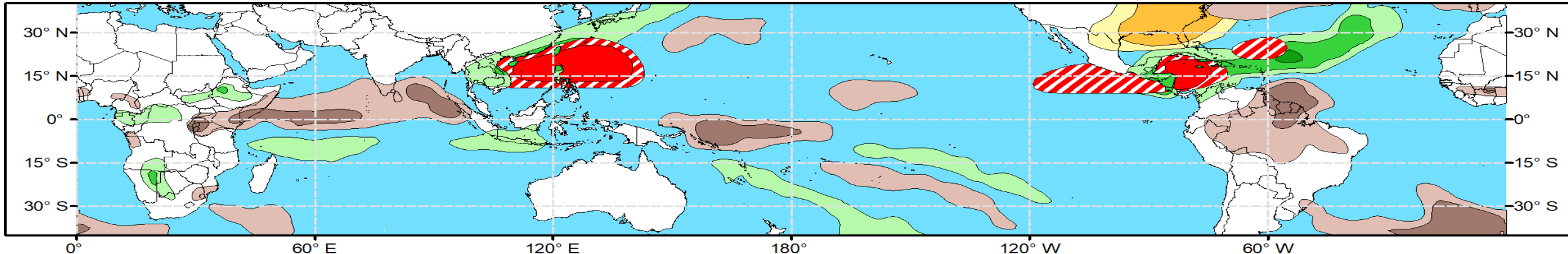


Global Tropics Hazards Outlook

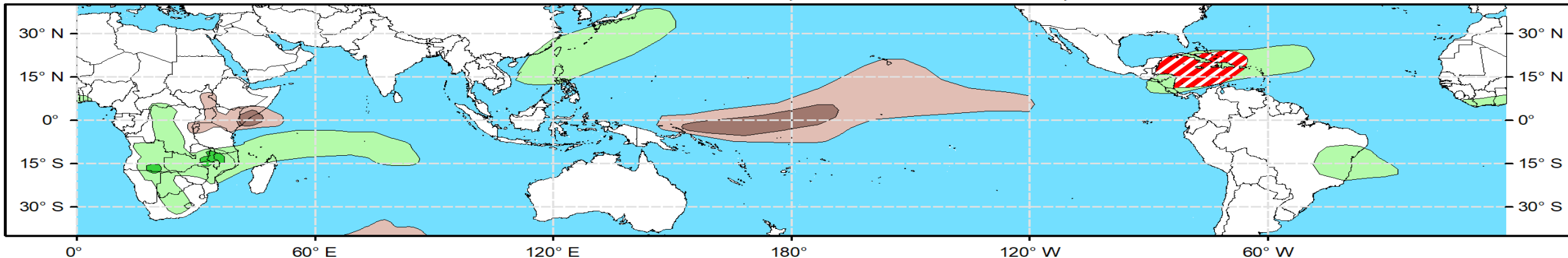
Climate Prediction Center



Week 2 - Valid: Oct 30, 2024 - Nov 05, 2024



Week 3 - Valid: Nov 06, 2024 - Nov 12, 2024



**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: 10/22/2024

Forecaster: Pugh

**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.**