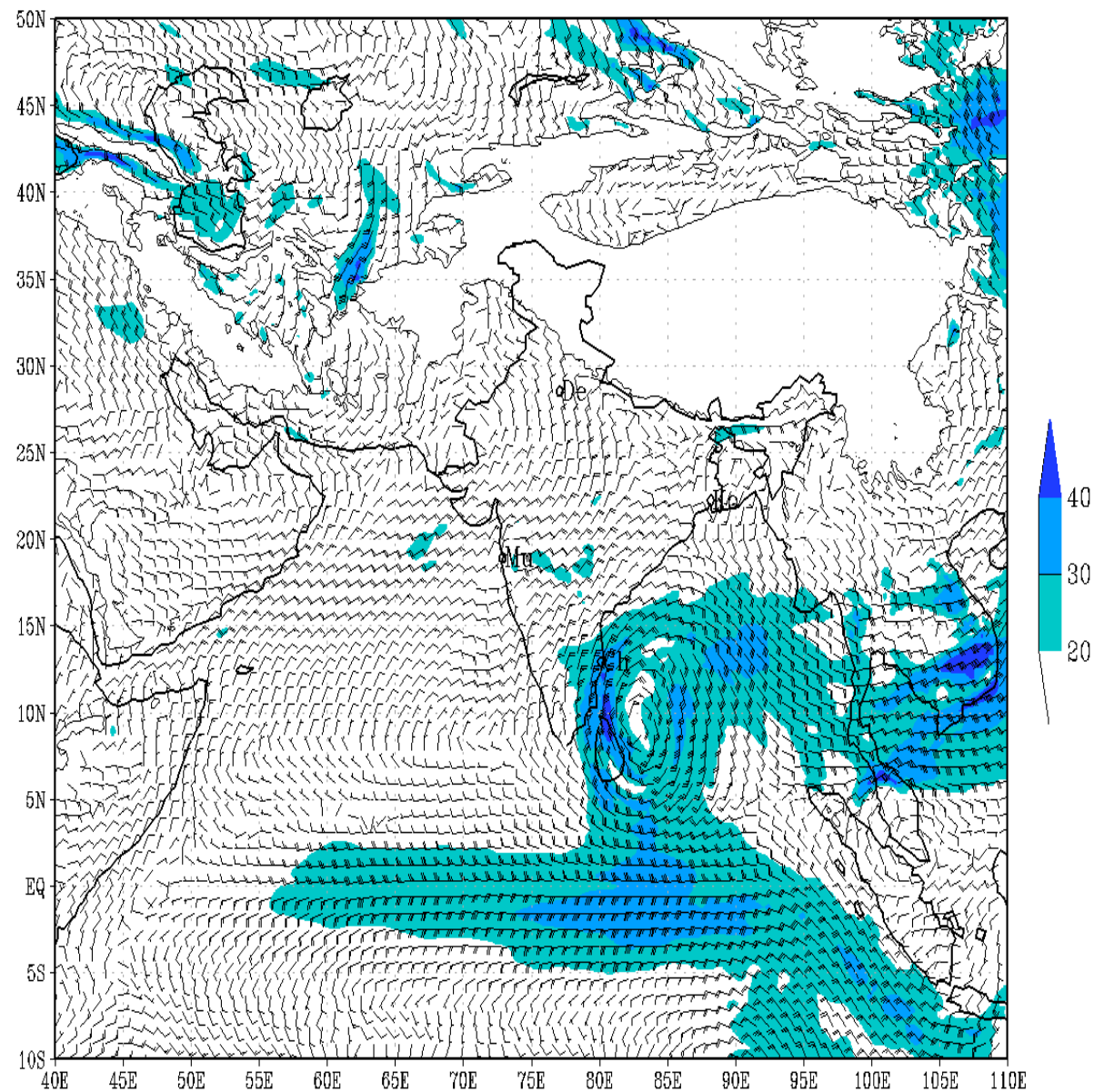


IMD:GFS MODEL(12 Km) 850 hPa WIND (kt) FORECAST (00 HR)

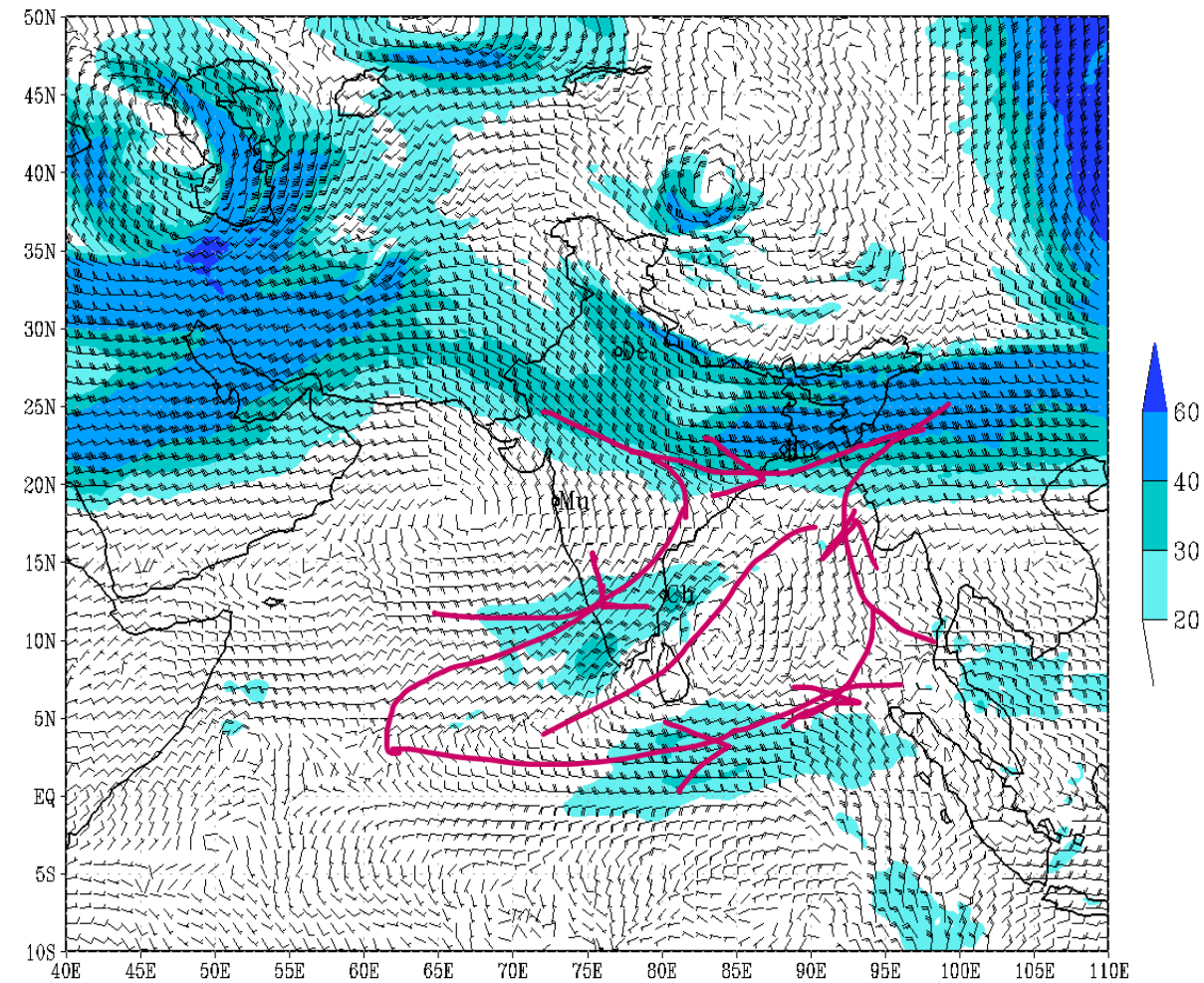
based on 00 UTC of 28-11-2024 valid for 00 UTC of 28-11-2024



(Background does not depict political boundary)

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

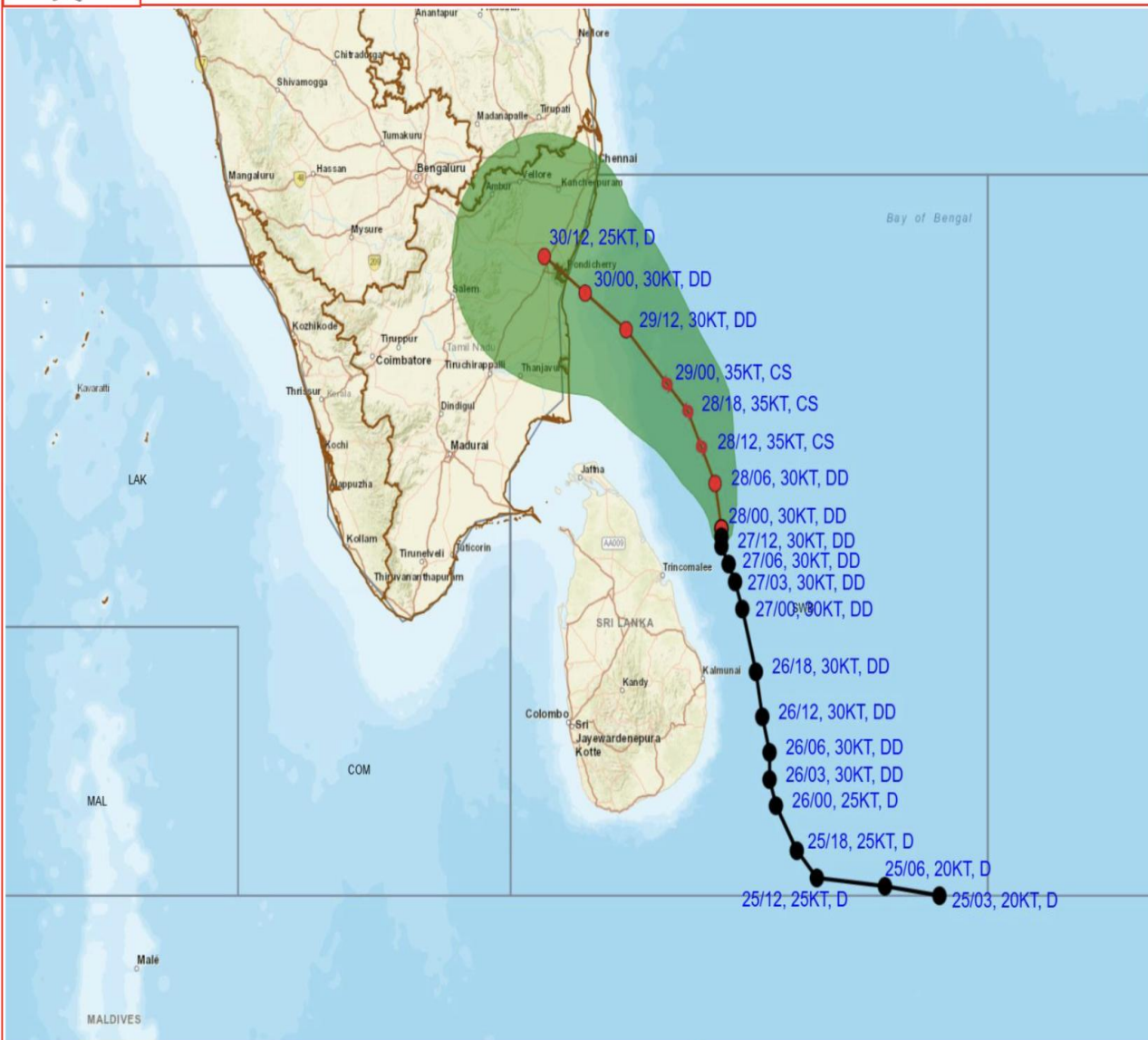
based on 00 UTC of 28-11-2024 valid for 00 UTC of 28-11-2024



(Background does not depict political boundary)



OBSERVED AND FORECAST TRACK ALONG WITH CONE OF UNCERTAINTY OF DEEP DEPRESSION OVER SOUTHWEST BAY OF BENGAL BASED ON 0000 UTC (0530 HRS. IST) OF 28TH NOVEMBER, 2024



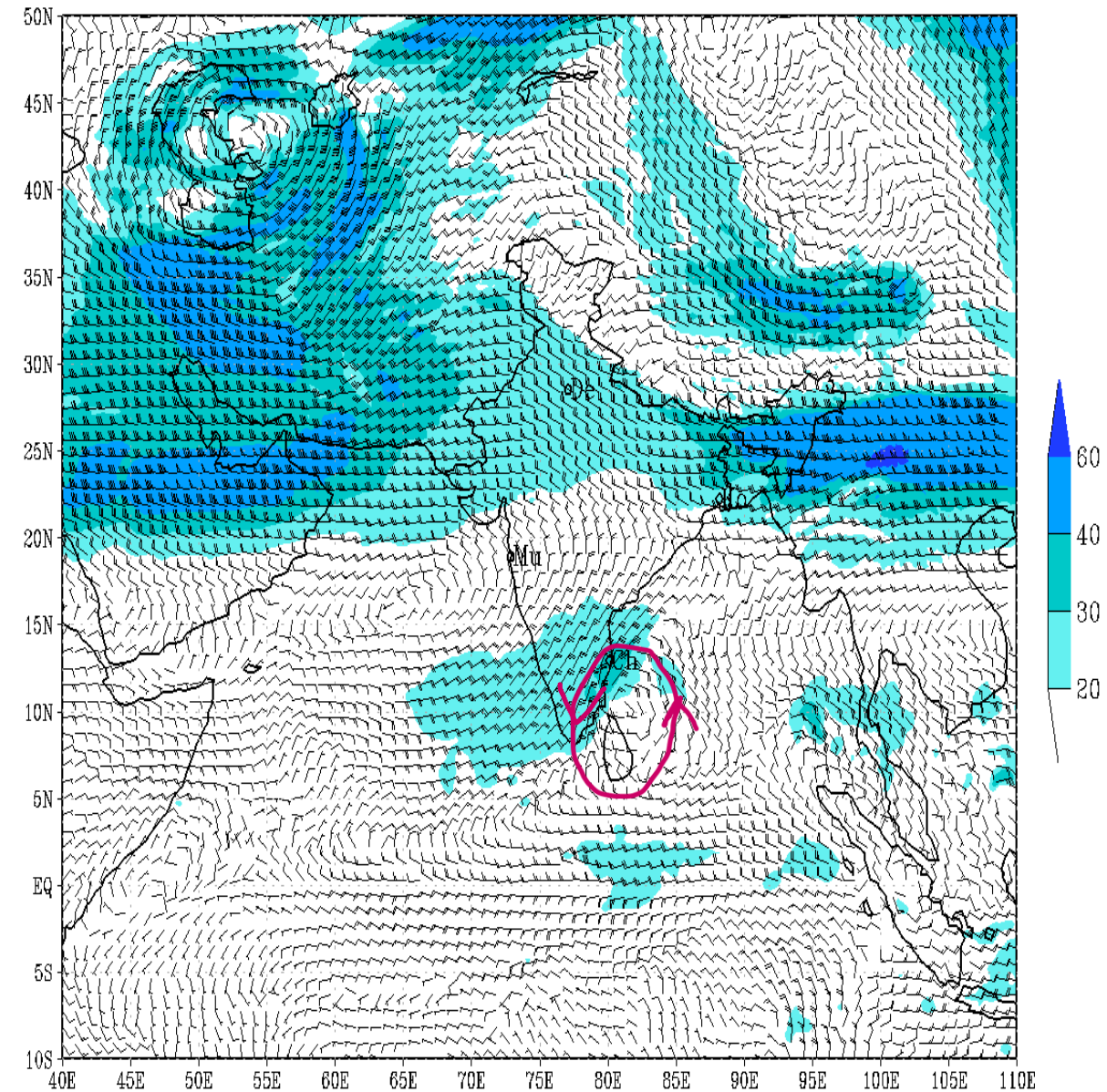
DATE/TIME : IN UTC
IST : UTC + 0530
KT : NAUTICAL MILE S/HOUR = 1.85 KM/HOUR

● LESS THAN 34 KT

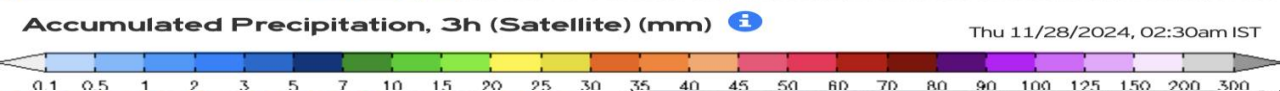
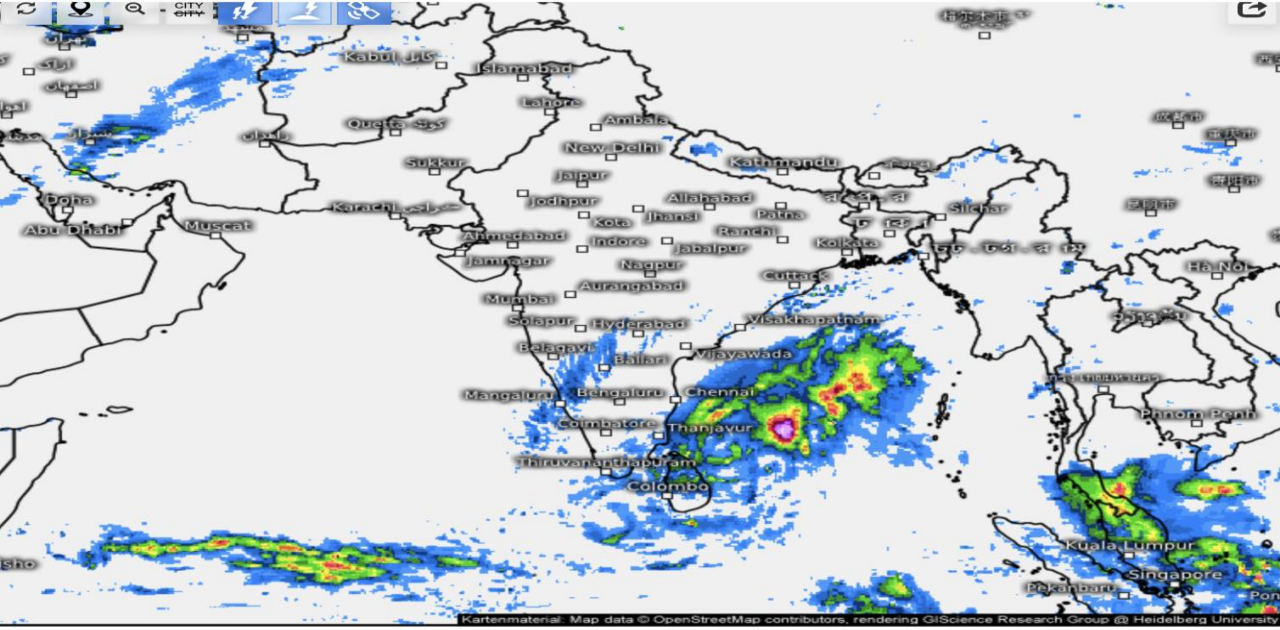
● 34.47 KT

IMD:GFS MODEL(12 Km) 500 hPa WIND (kt) FORECAST (24 HR)

based on 00 UTC of 28-11-2024 valid for 00 UTC of 29-11-2024



(Background does not depict political boundary)

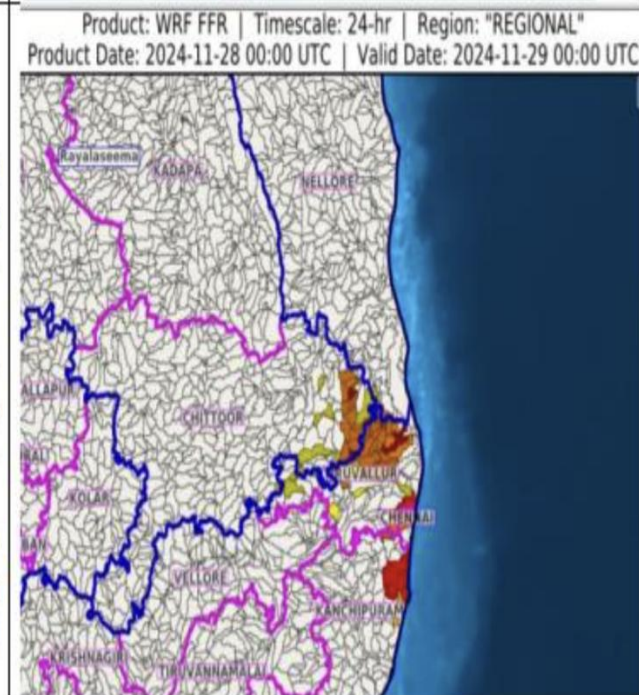


24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 29-11-2024 :

Low flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Rayalaseema - Chittoor district.
Tamil Nadu - Pudu & Karaikal - Chennai, Kanchipuram and Tiruvallur districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



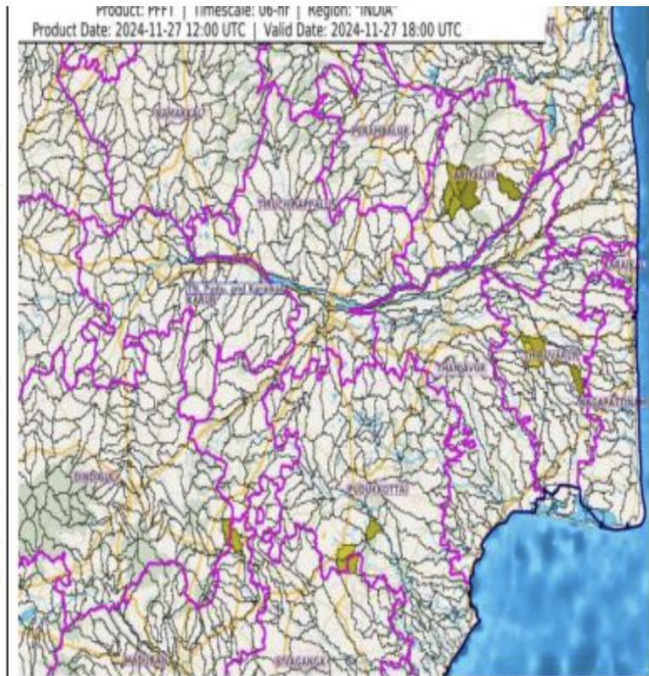
Flash Flood Risk

Persistent Flash Flood Threat (PFFT) till 2330 IST of 27-11-2024 :

Low to Moderate flash flood threat likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 6 hours.

Tamil Nadu - Pudu & Karaikal - Ariyalur, Pudukkottai, Madurai and Thiruvallur districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 6 hours.

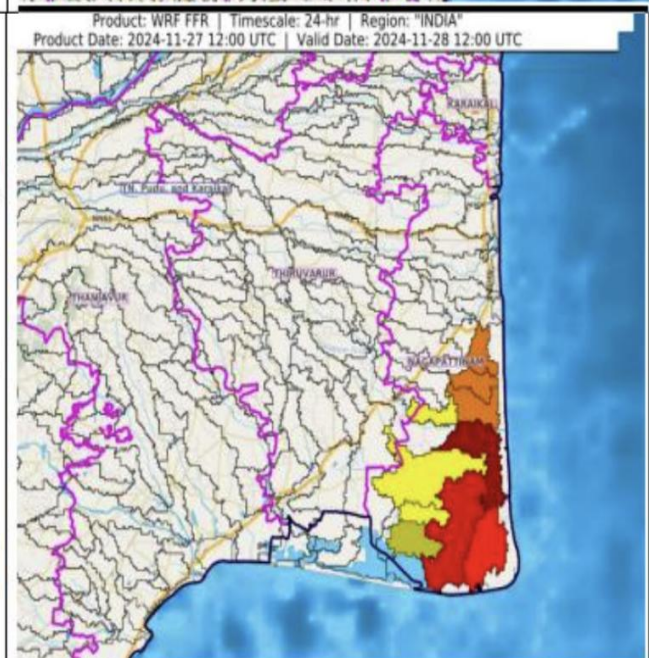


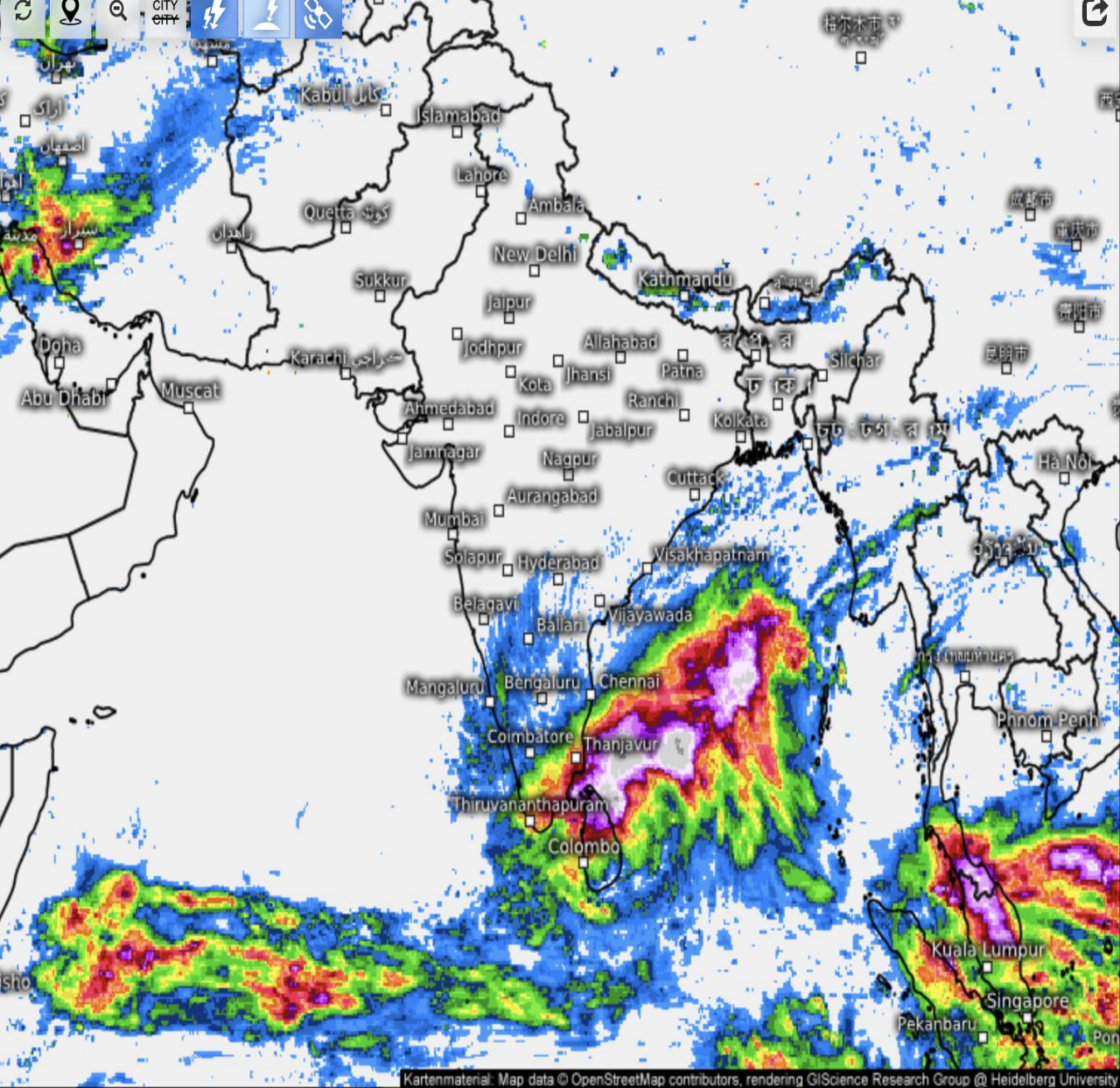
24 hours Outlook for the Flash Flood Risk (FFR) till 1730 IST of 28-11-2024 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Tamil Nadu - Pudu & Karaikal - Nagapattinam district.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.

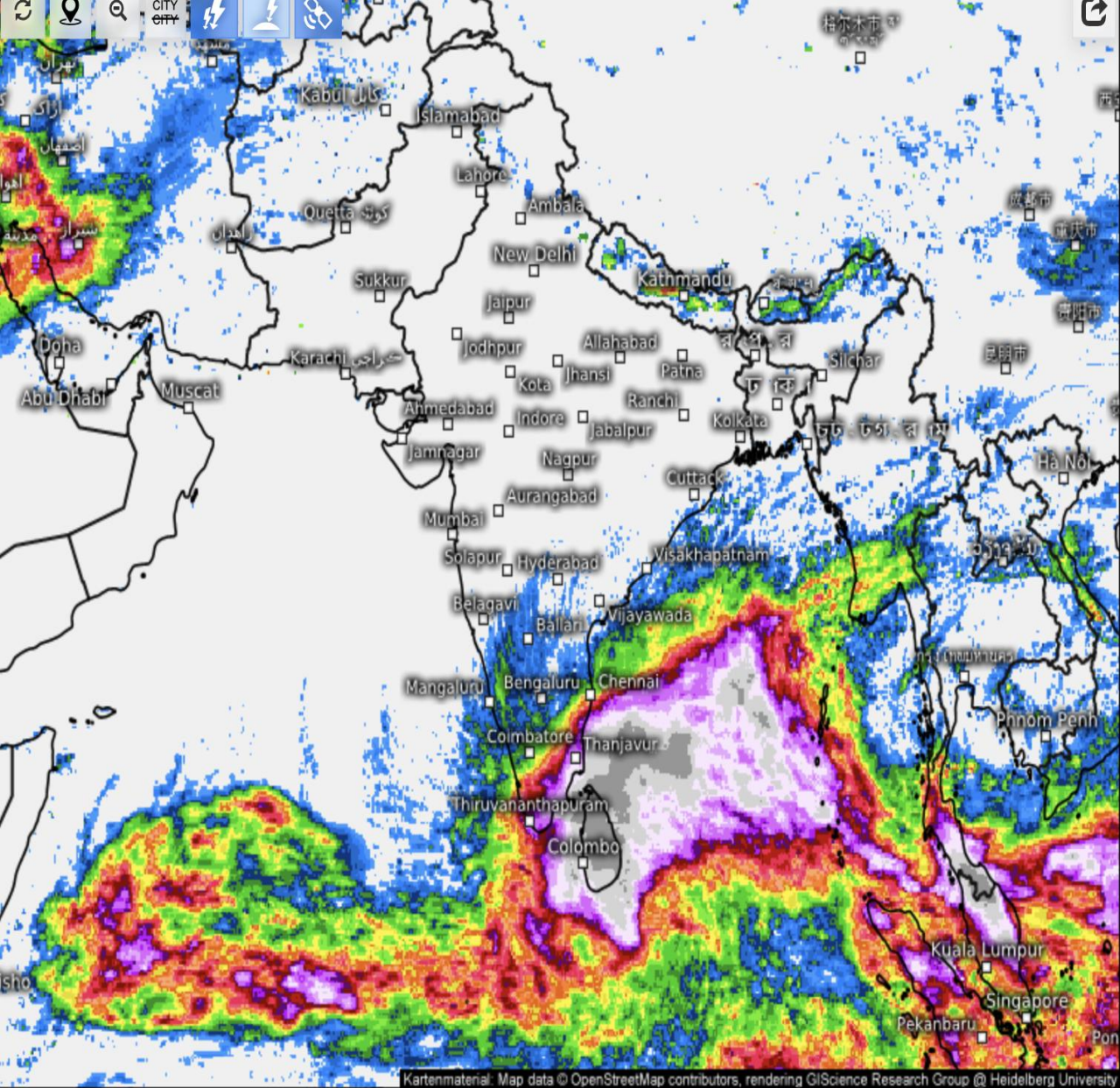
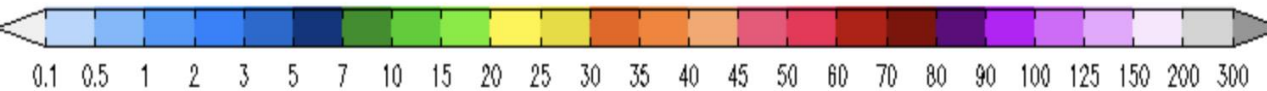




Kartenmaterial: Map data © OpenStreetMap contributors, rendering GIScience Research Group @ Heidelberg University

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

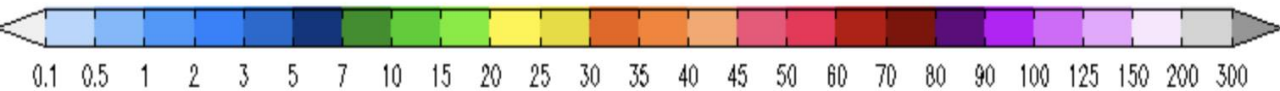
Thu 11/28/2024, 02:30am IST

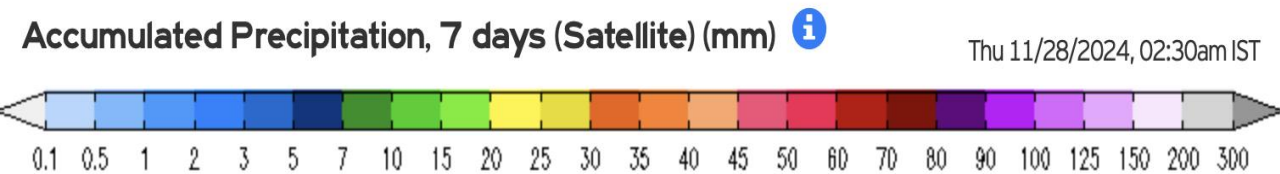
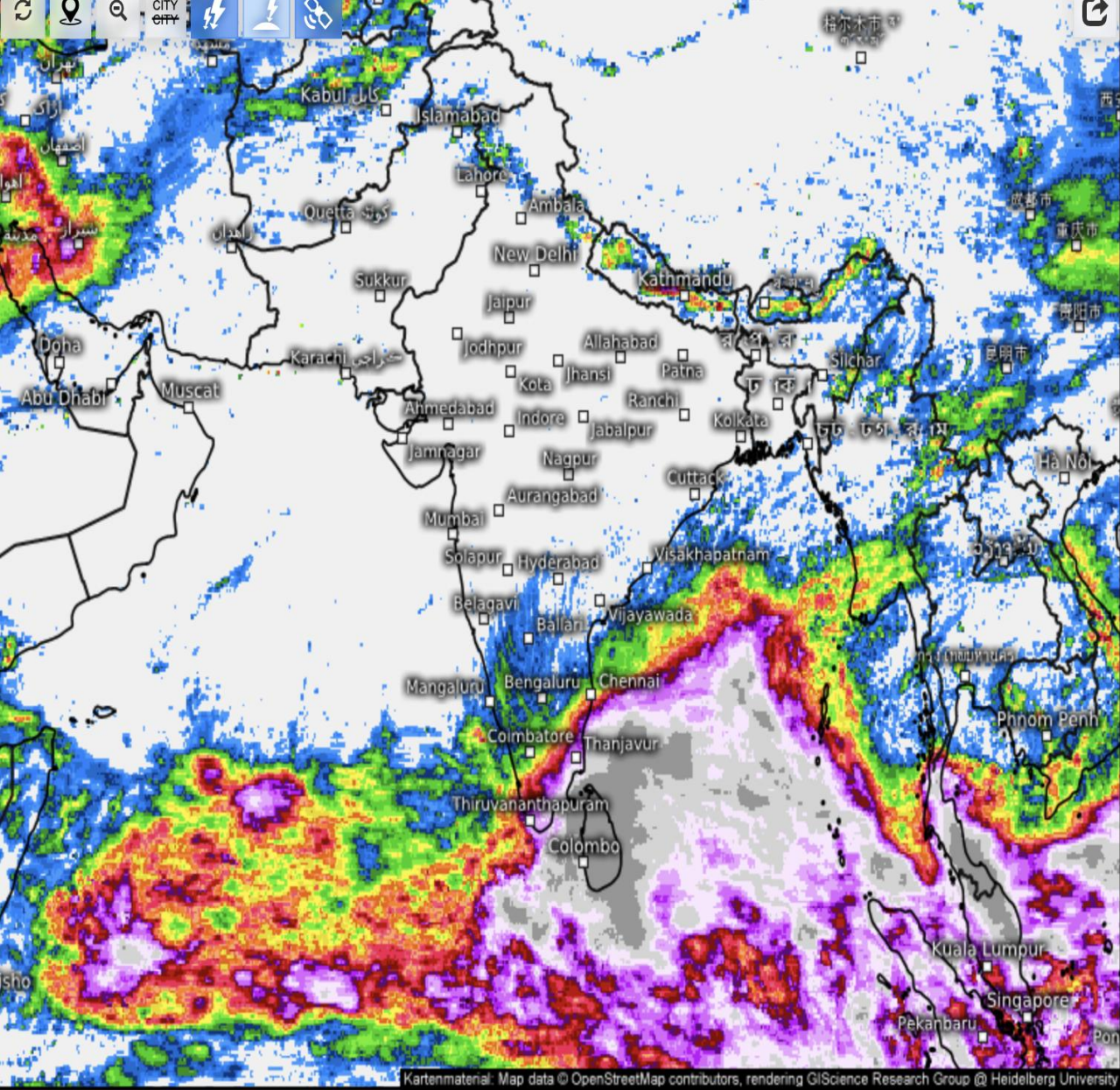


Kartenmaterial: Map data © OpenStreetMap contributors, rendering GIScience Research Group @ Heidelberg University

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

Thu 11/28/2024, 02:30am IST

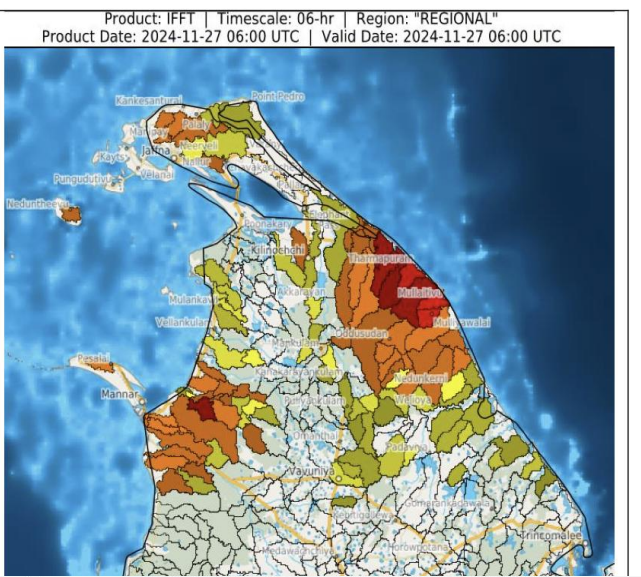




Prognostic Guidance: Dynamic Global (GFS) & Mesoscale Model (WRF & NCUM) forecast rainfall up to 150 mm in next 24 hours over the region.

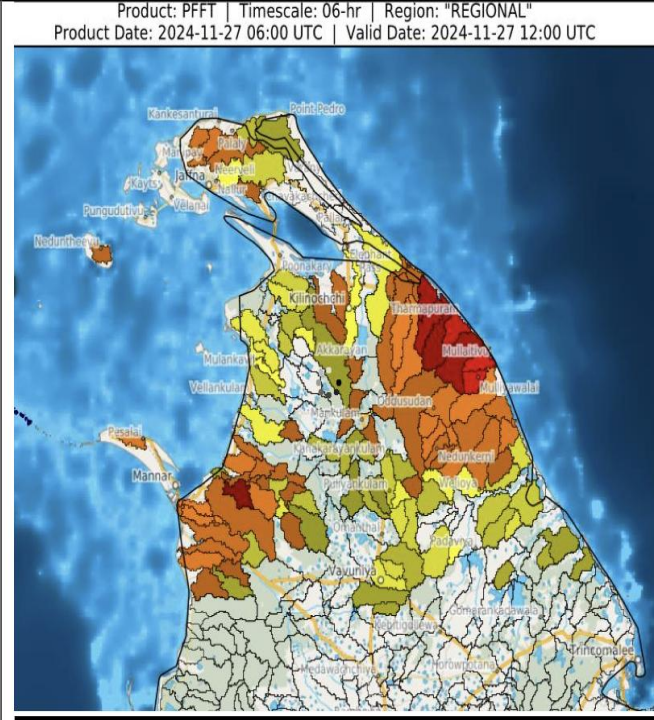
Observed Flash Flood Threat (IFFT)
Till 0600 UTC of 27.11.2024:

Moderate to High flash flood threat observed over few watersheds and neighbourhoods of northern parts of Sri Lanka (as shown in adjacent map) during last 6 hours.



Persistent Flash Flood Threat (PFFT)
Till 1200 UTC of 27.11.2024:

Moderate to High flash flood threat likely over few watersheds and neighbourhoods of northern parts of Sri Lanka (as shown in adjacent map) during next 6 hours.

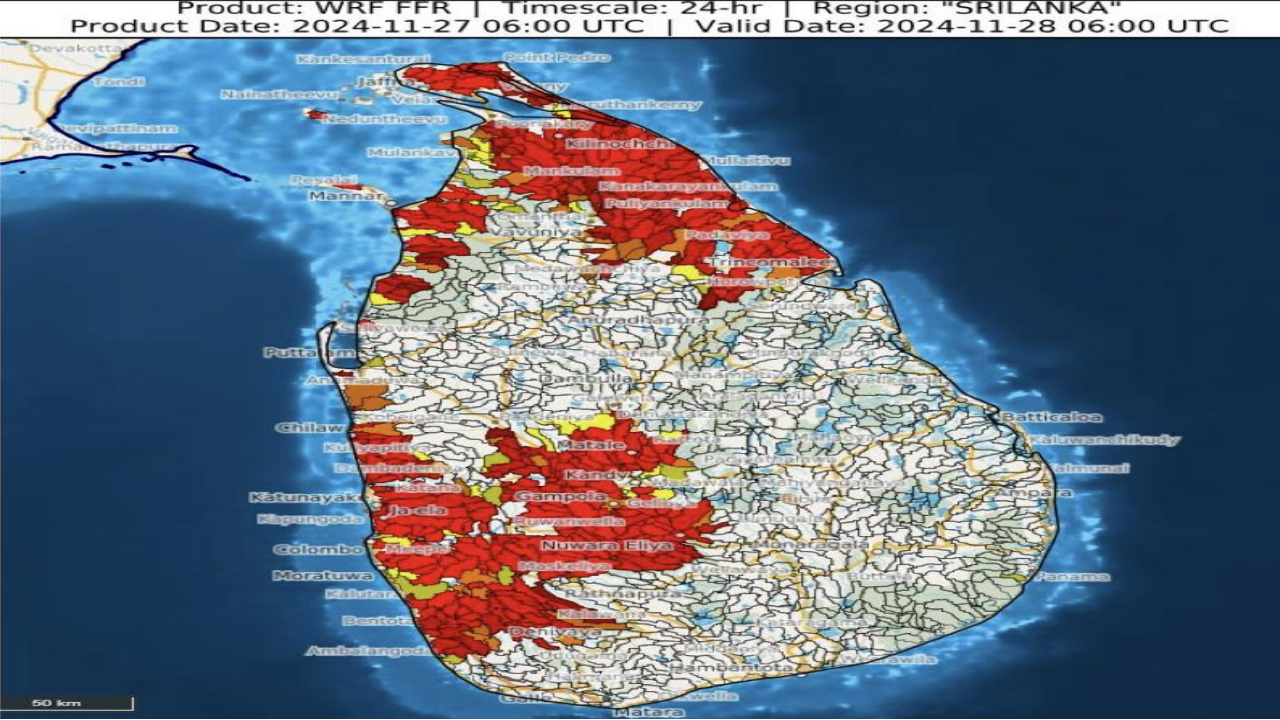
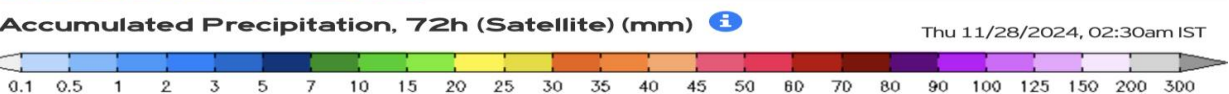
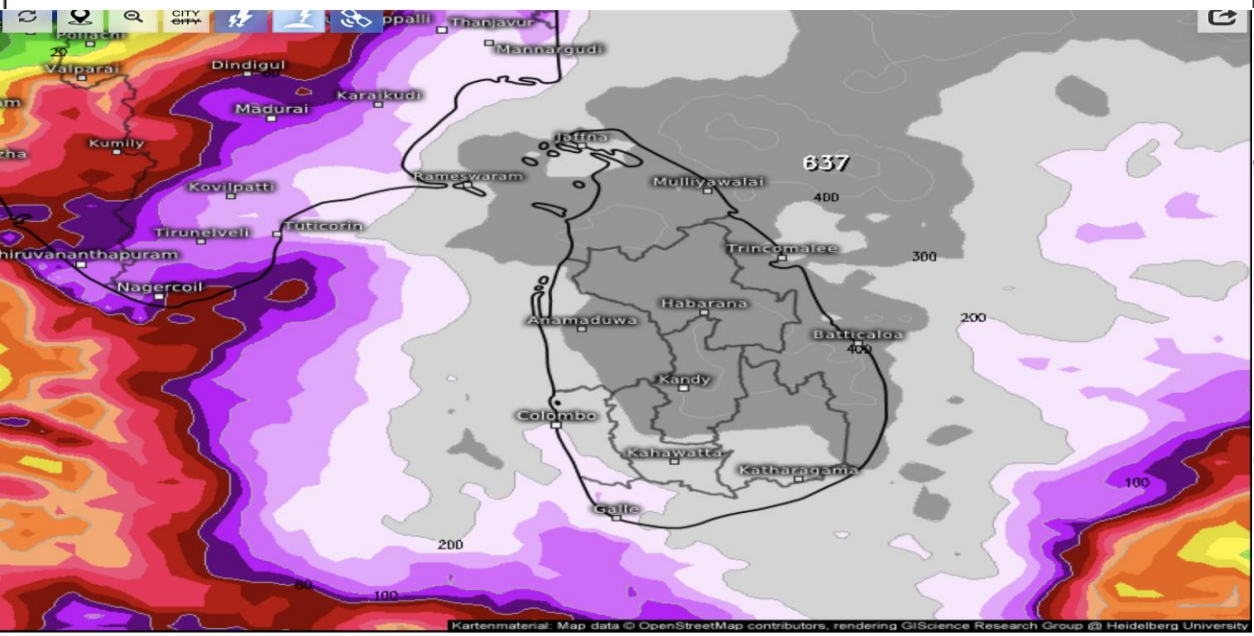


Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 6 hours.

24 hours Flash Flood Risk Outlook till 0600 UTC of 28.11.2024:

High flash flood threat likely over few watersheds and neighbourhoods of Sri Lanka (as shown in adjacent map) during next 24 hours.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



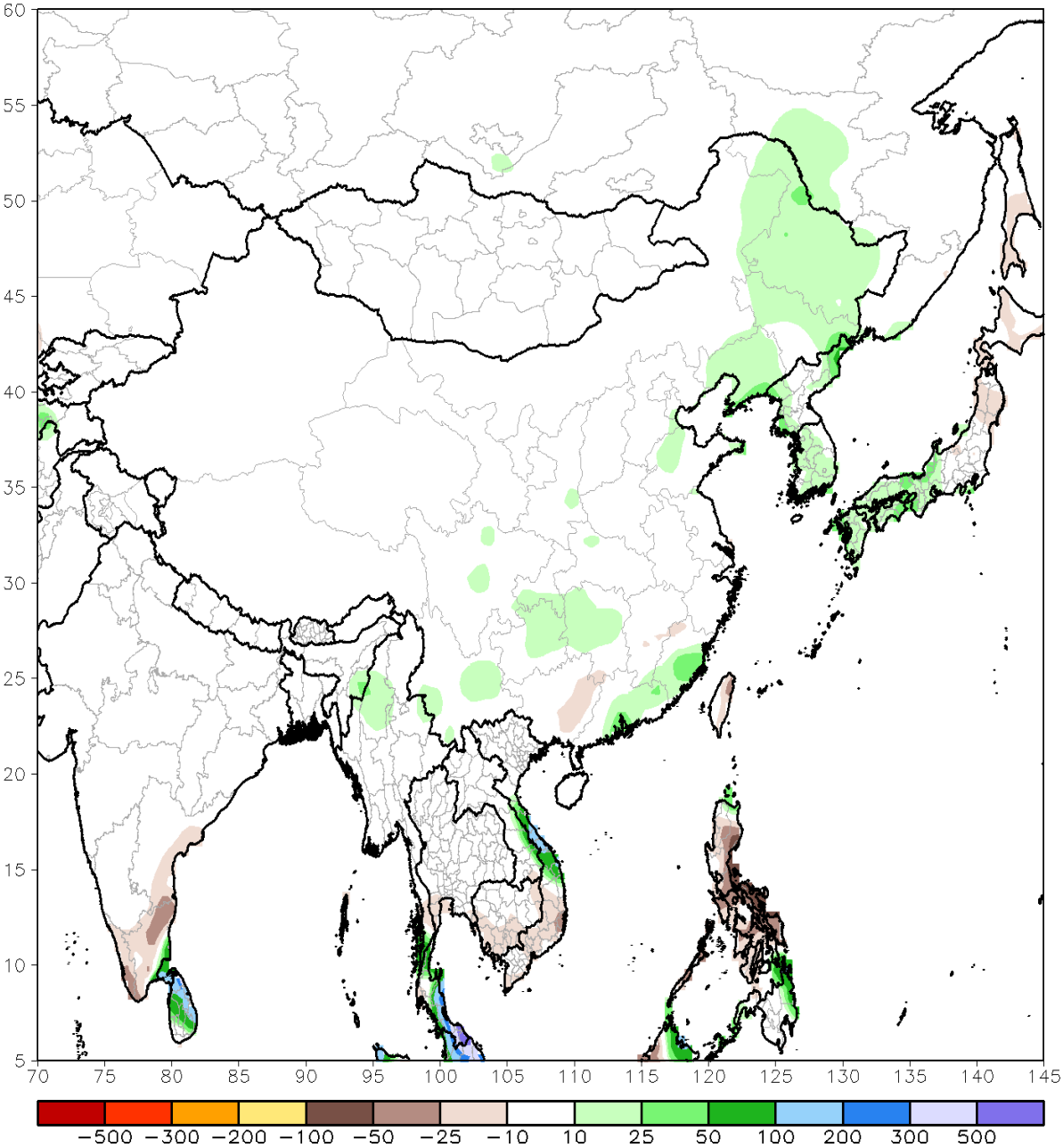
COLOMBO, Nov. 28 (Xinhua) -- Four people were killed, nine were injured, and six were missing due to floods in Sri Lanka, said the Disaster Management Center (DMC) on Wednesday.

The floods have affected 230,743 people and destroyed more than 600 houses, Director General of the DMC Udaya Herath told a press conference.

A total of 165 relief camps have been established

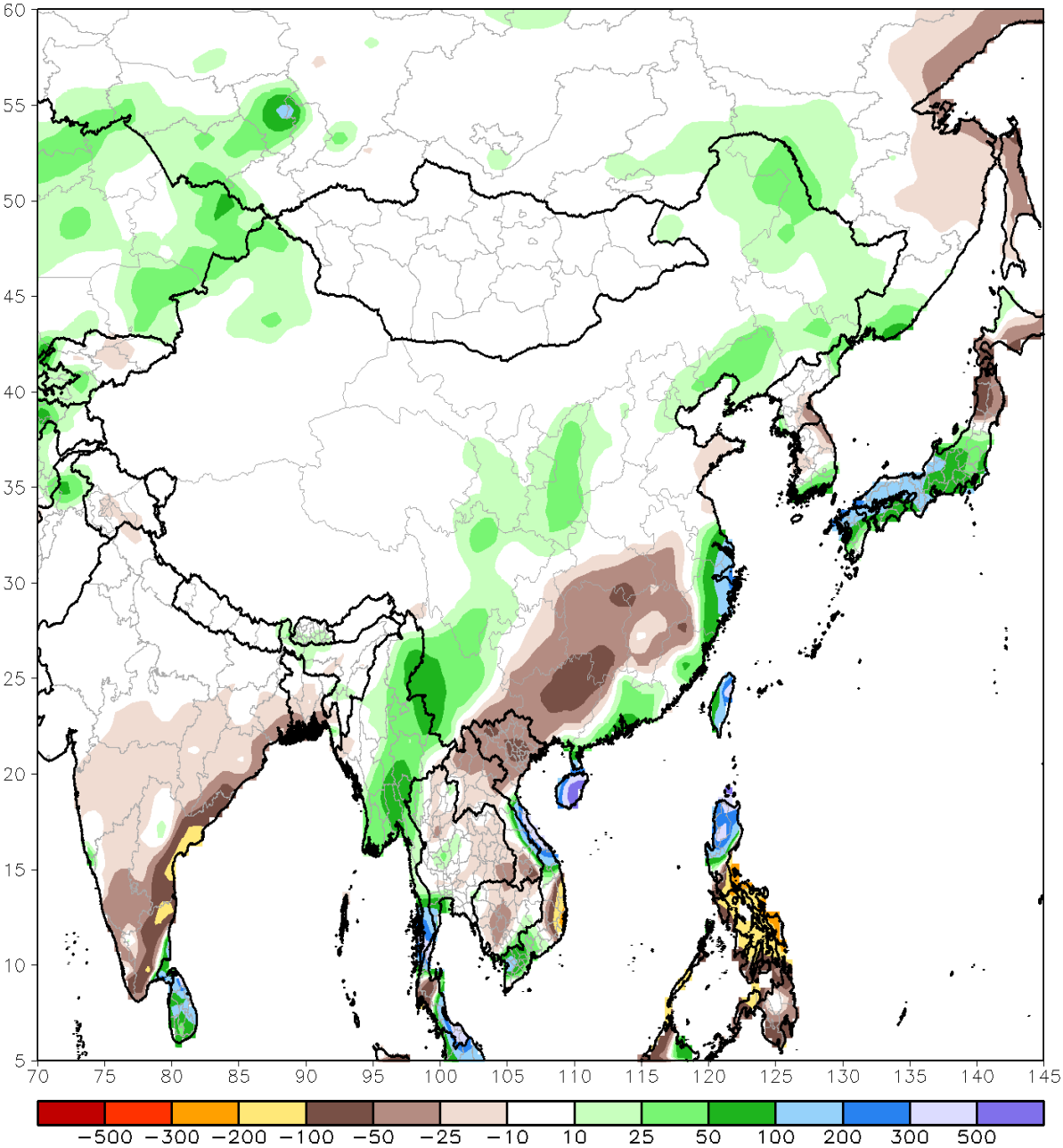
CPC Unified Gauge 7-Day Total Rainfall Anomaly (mm)

Period: 20Nov2024 - 26Nov2024

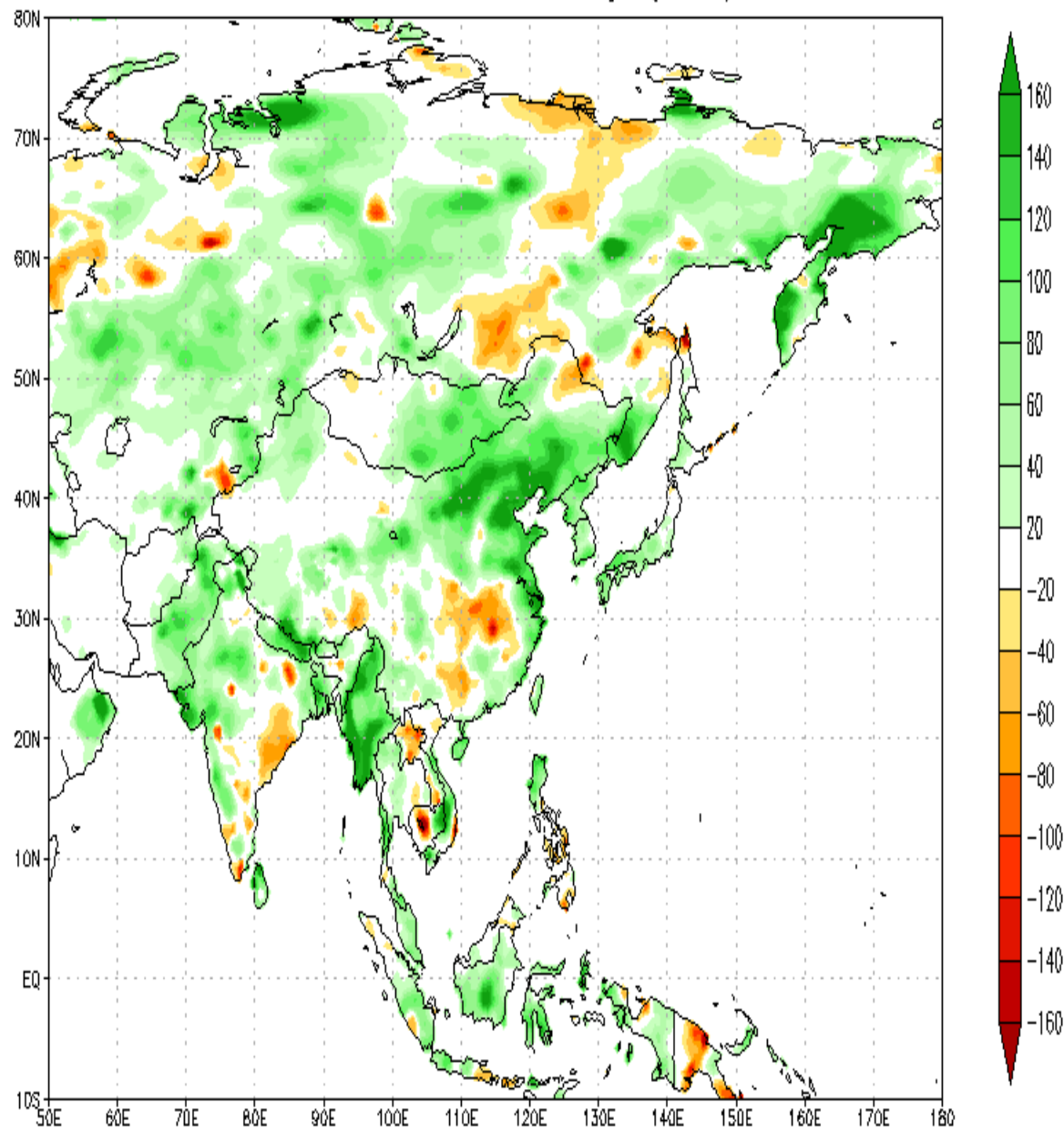


CPC Unified Gauge 30-Day Total Rainfall Anomaly (mm)

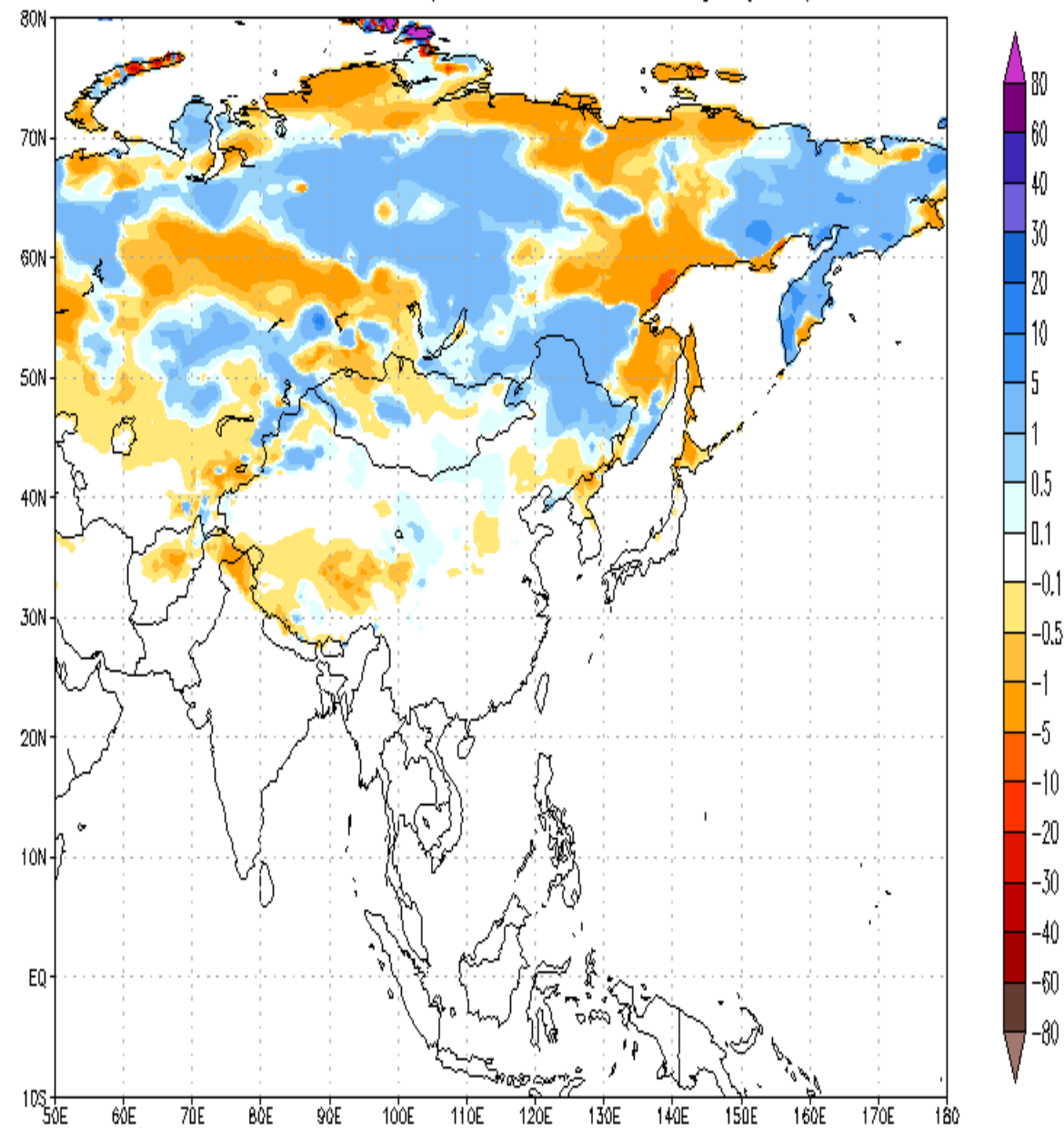
Period: 28Oct2024 - 26Nov2024



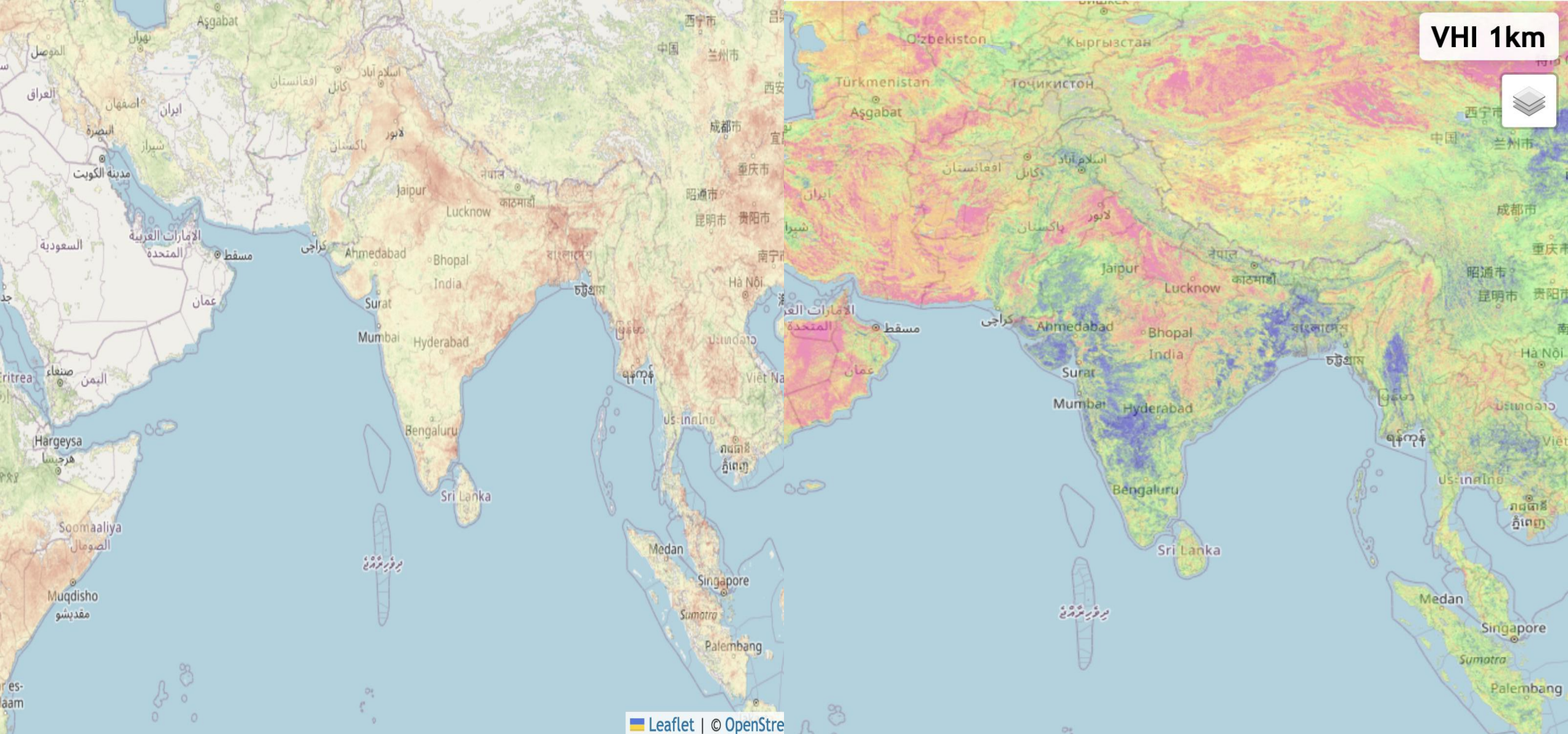
Calculated Soil Moisture Anomaly (mm) 20241126



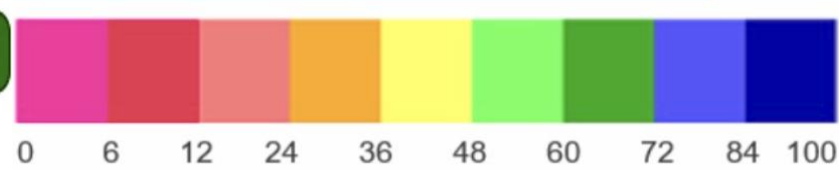
Calculated Snow Water Equivalent Anomaly (cm) 20241126



VHI 1km

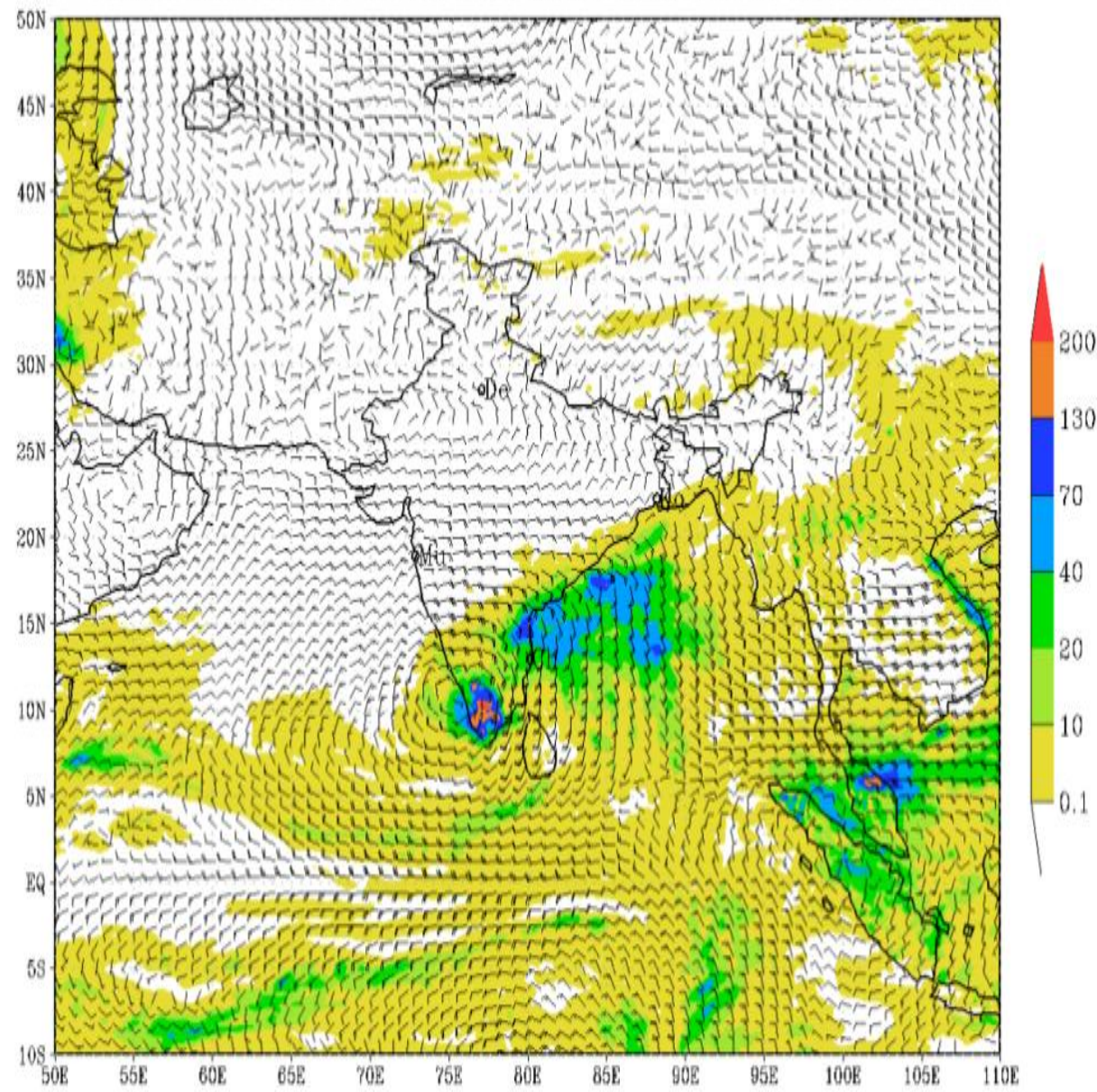


Standardized ET/PET Anomalies

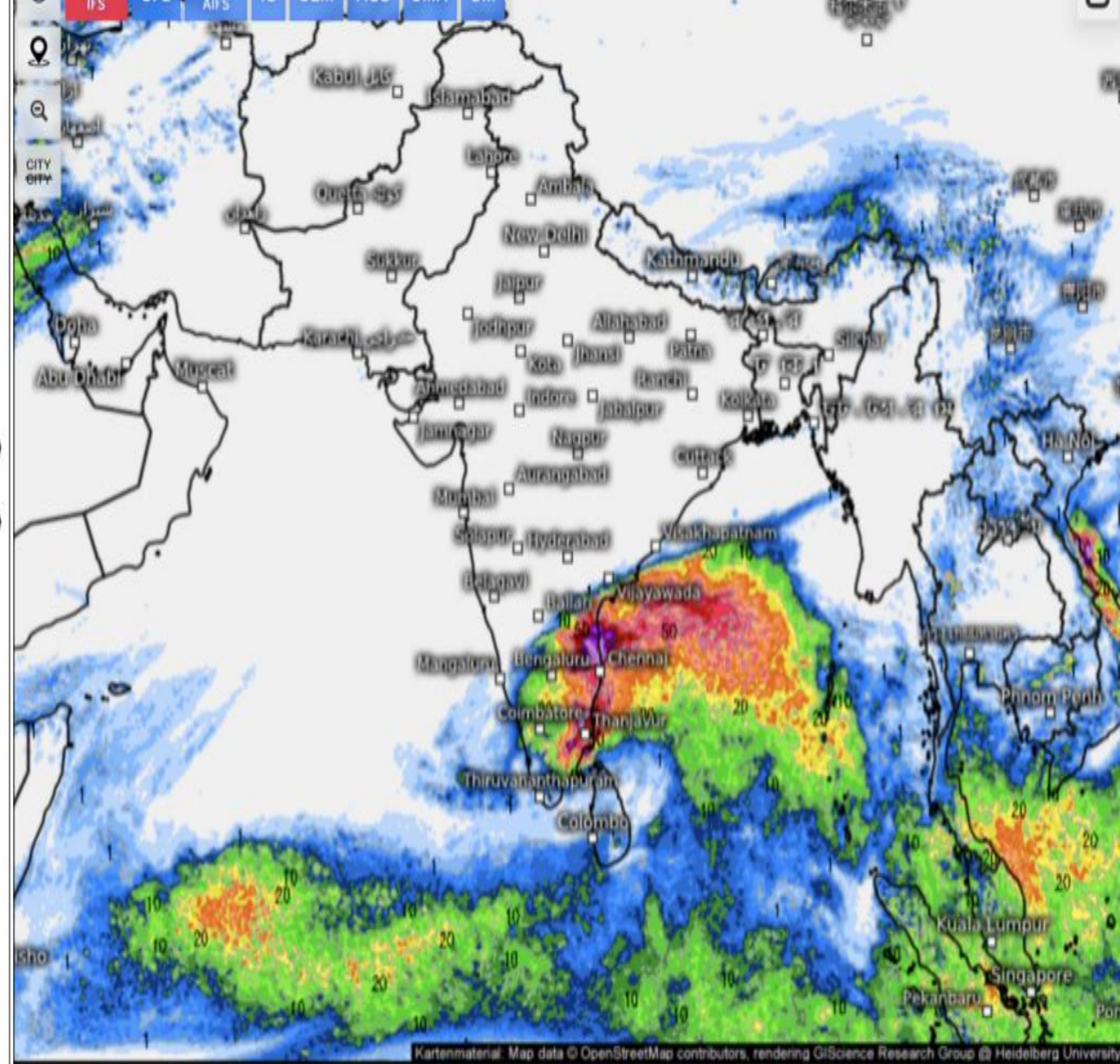


IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (168 HR)

based on 00 UTC of 21-11-2024 valid for 03 UTC of 28-11-2024

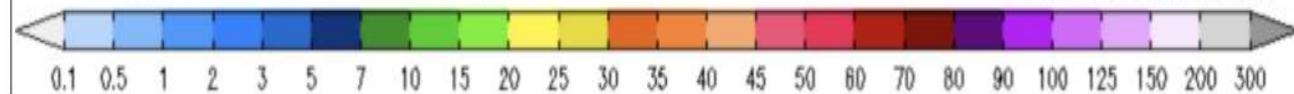


(Background does not depict political boundary)

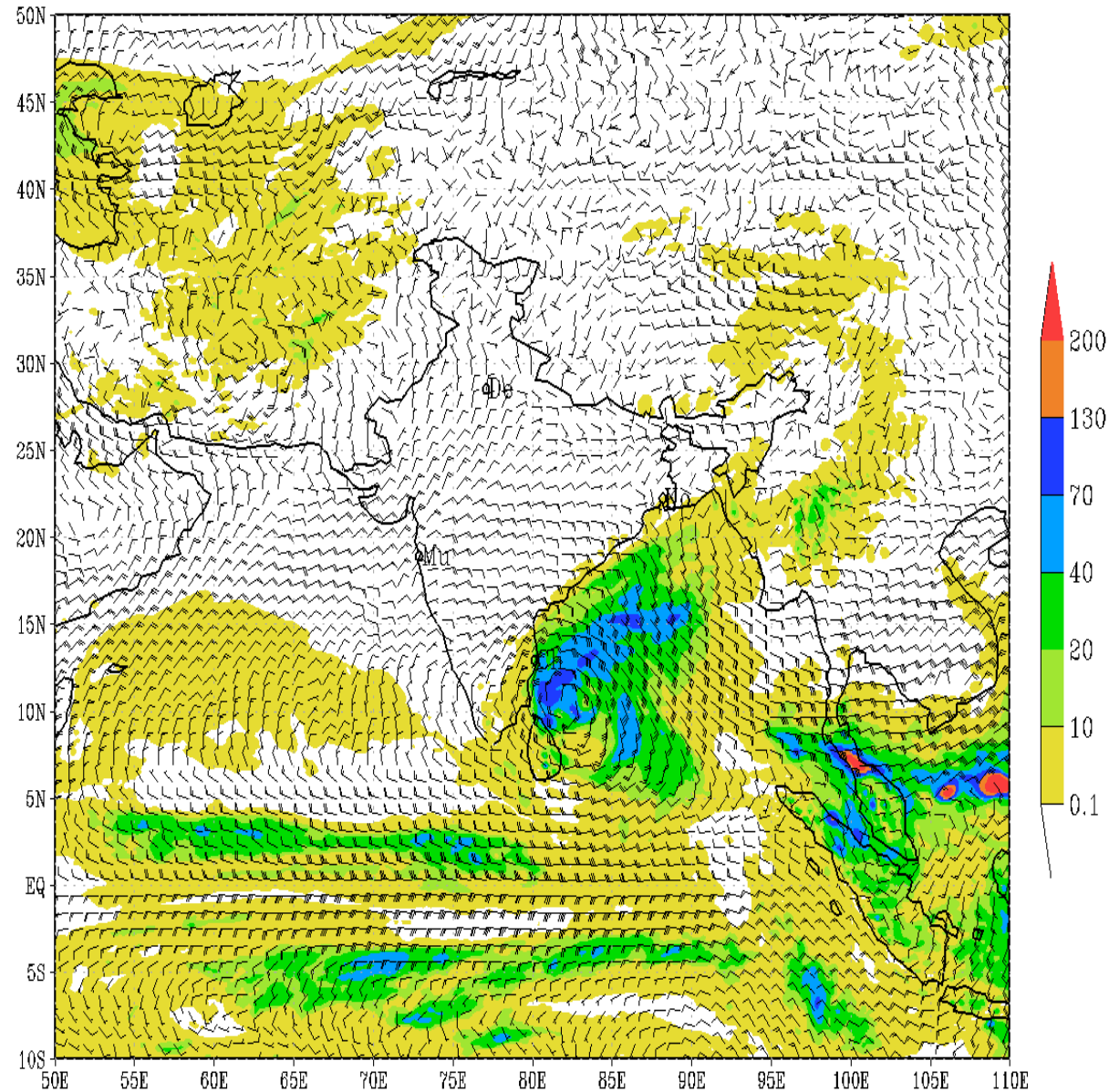


Precipitation, 24h (mm) 

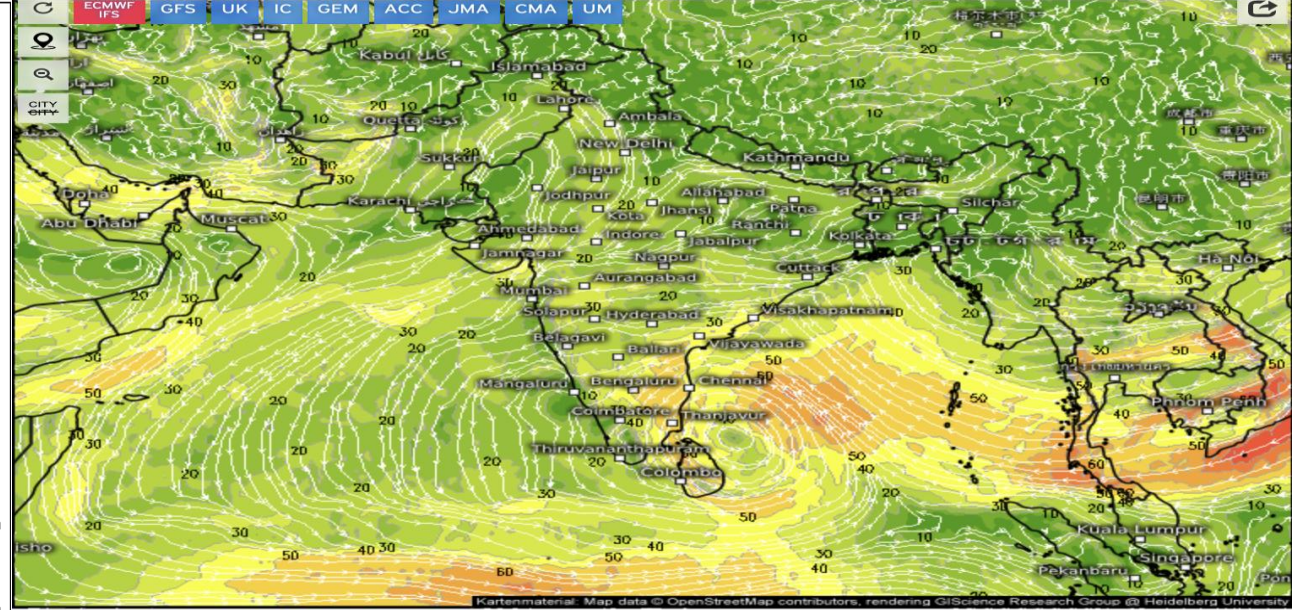
Valid for
Thu 11/28/2024, 05:30am IST



IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (24 HR)
based on 00 UTC of 28-11-2024 valid for 03 UTC of 29-11-2024

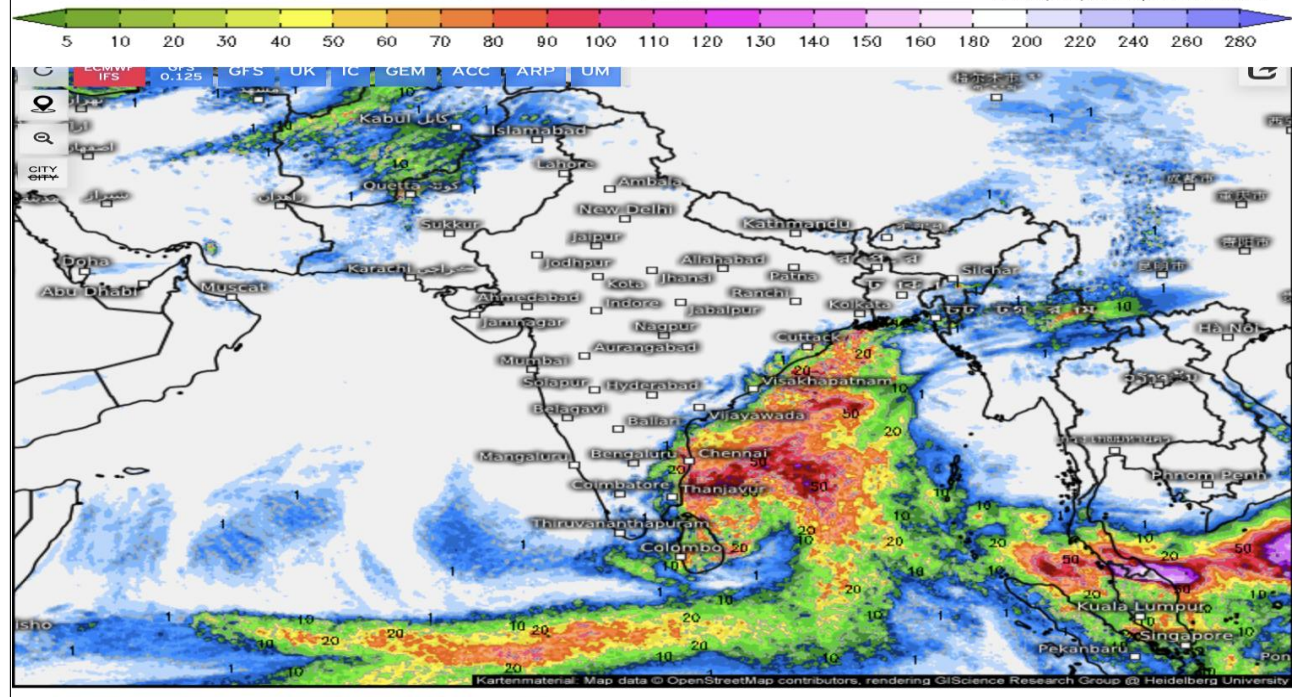


(Background does not depict political boundary)



Wind speed and streamlines, 850hPa (kph)

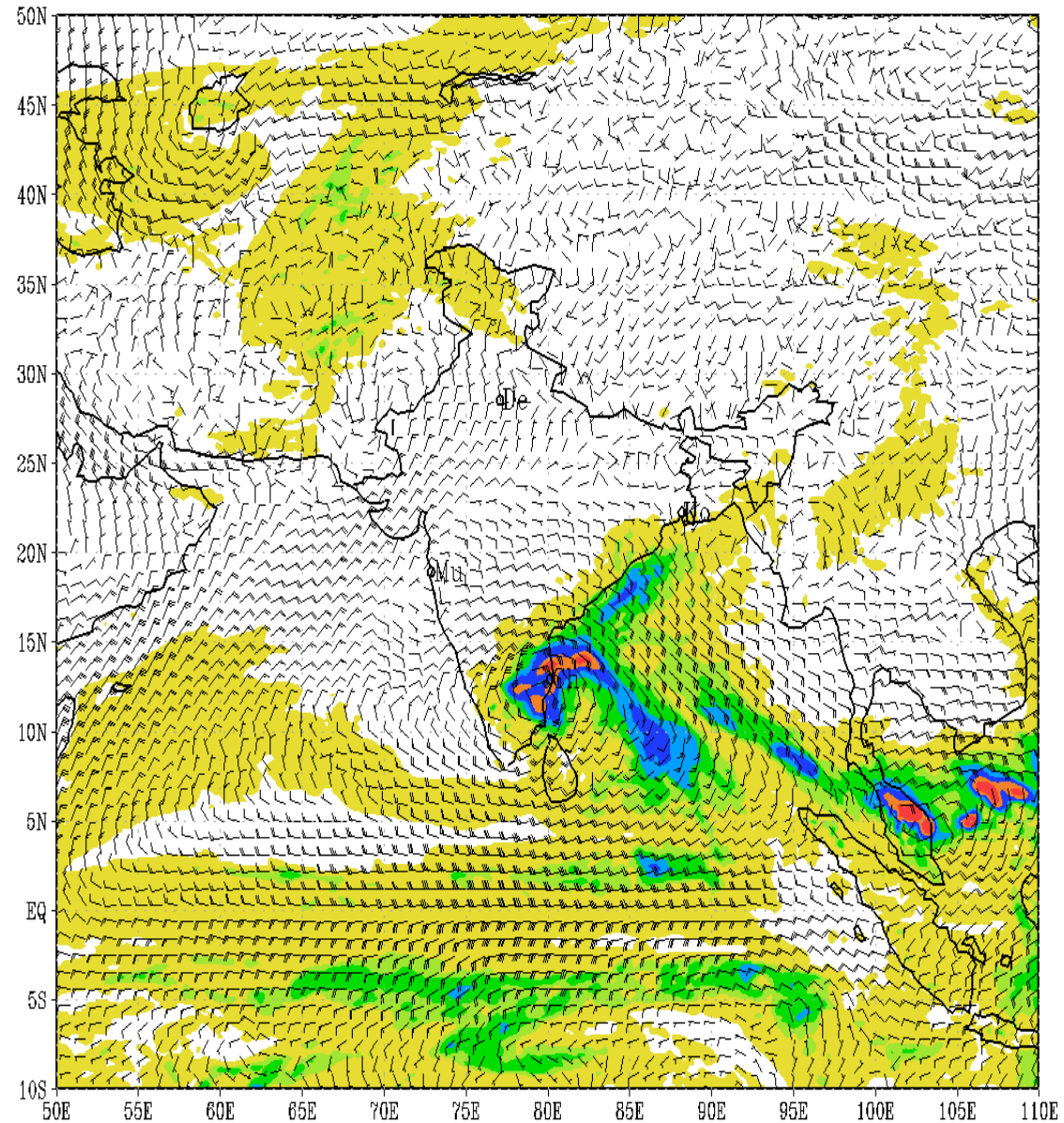
Valid for
Fri 11/29/2024, 05:30am IST



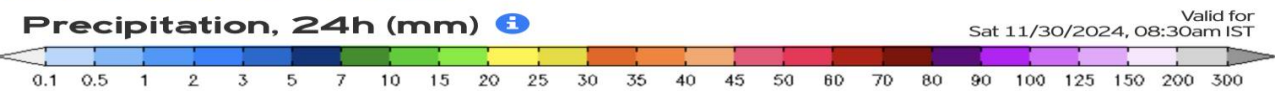
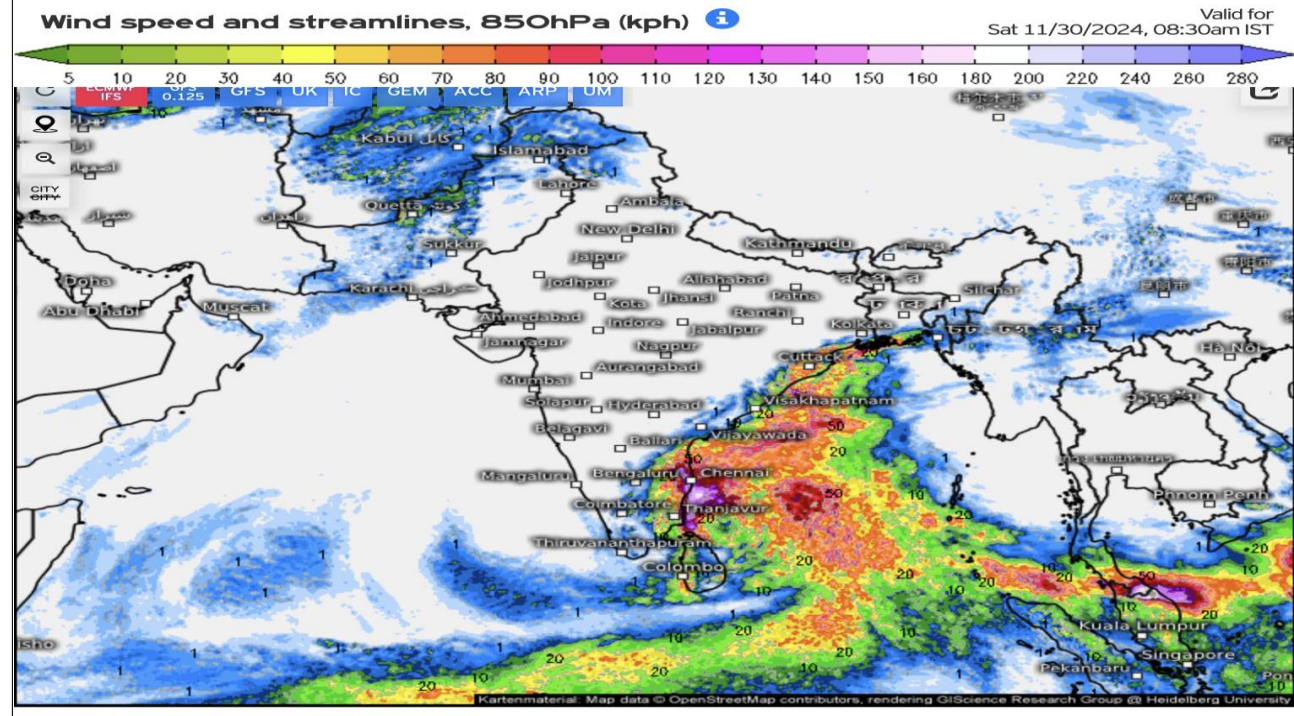
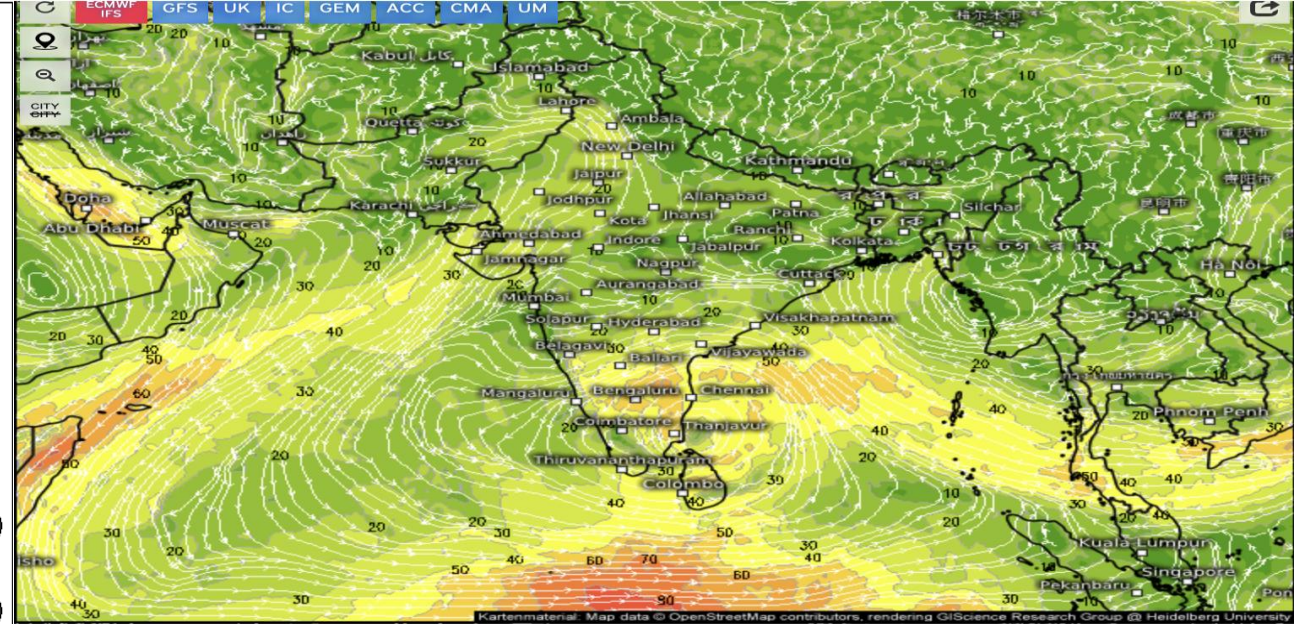
Precipitation, 24h (mm)

Valid for
Fri 11/29/2024, 08:30pm IST

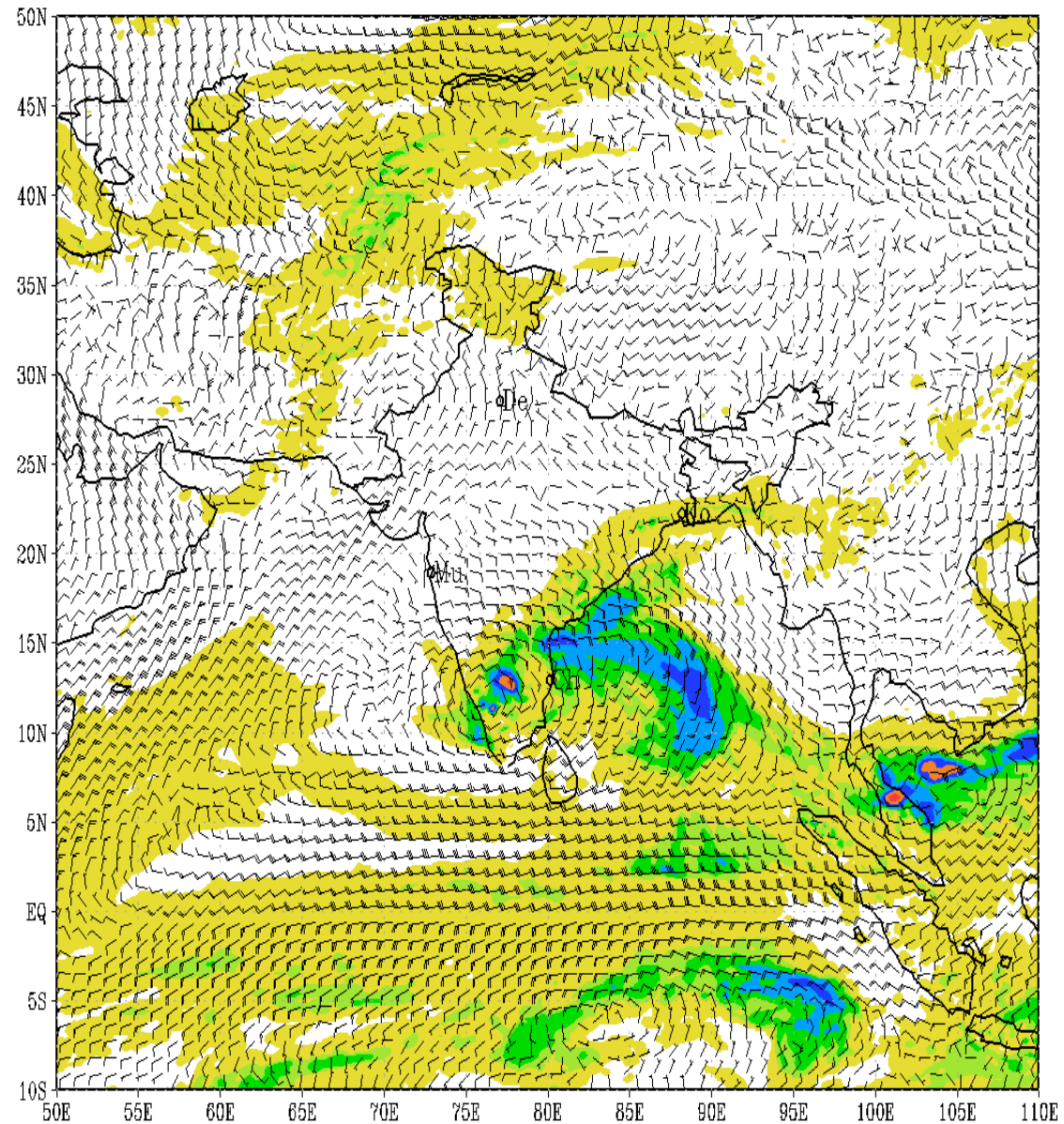
IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (48 HR)
based on 00 UTC of 28-11-2024 valid for 03 UTC of 30-11-2024



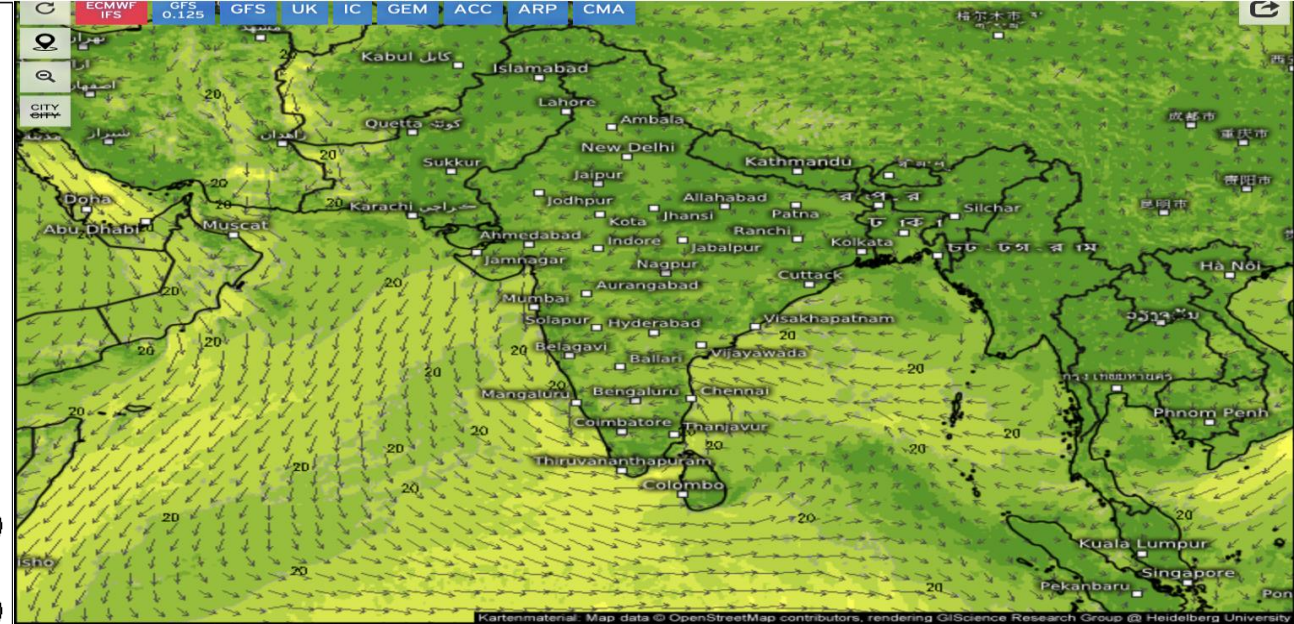
(Background does not depict political boundary)



IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (72 HR)
based on 00 UTC of 28-11-2024 valid for 03 UTC of 01-12-2024

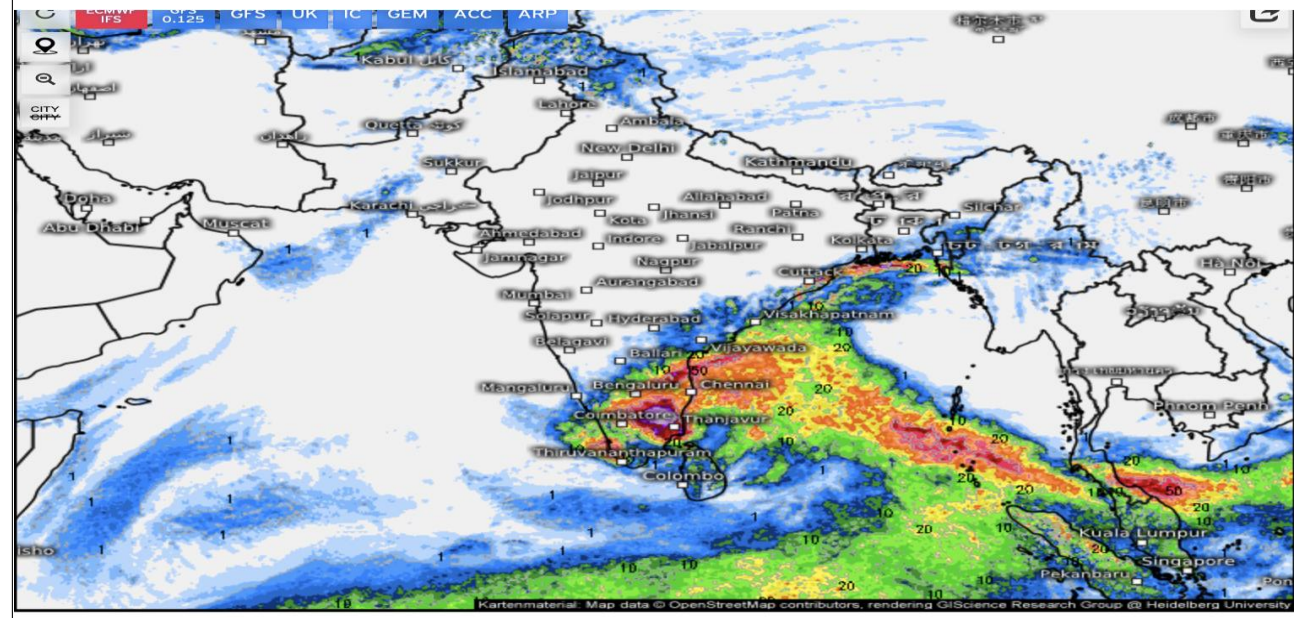


(Background does not depict political boundary)



Wind direction and mean wind speed (kph)

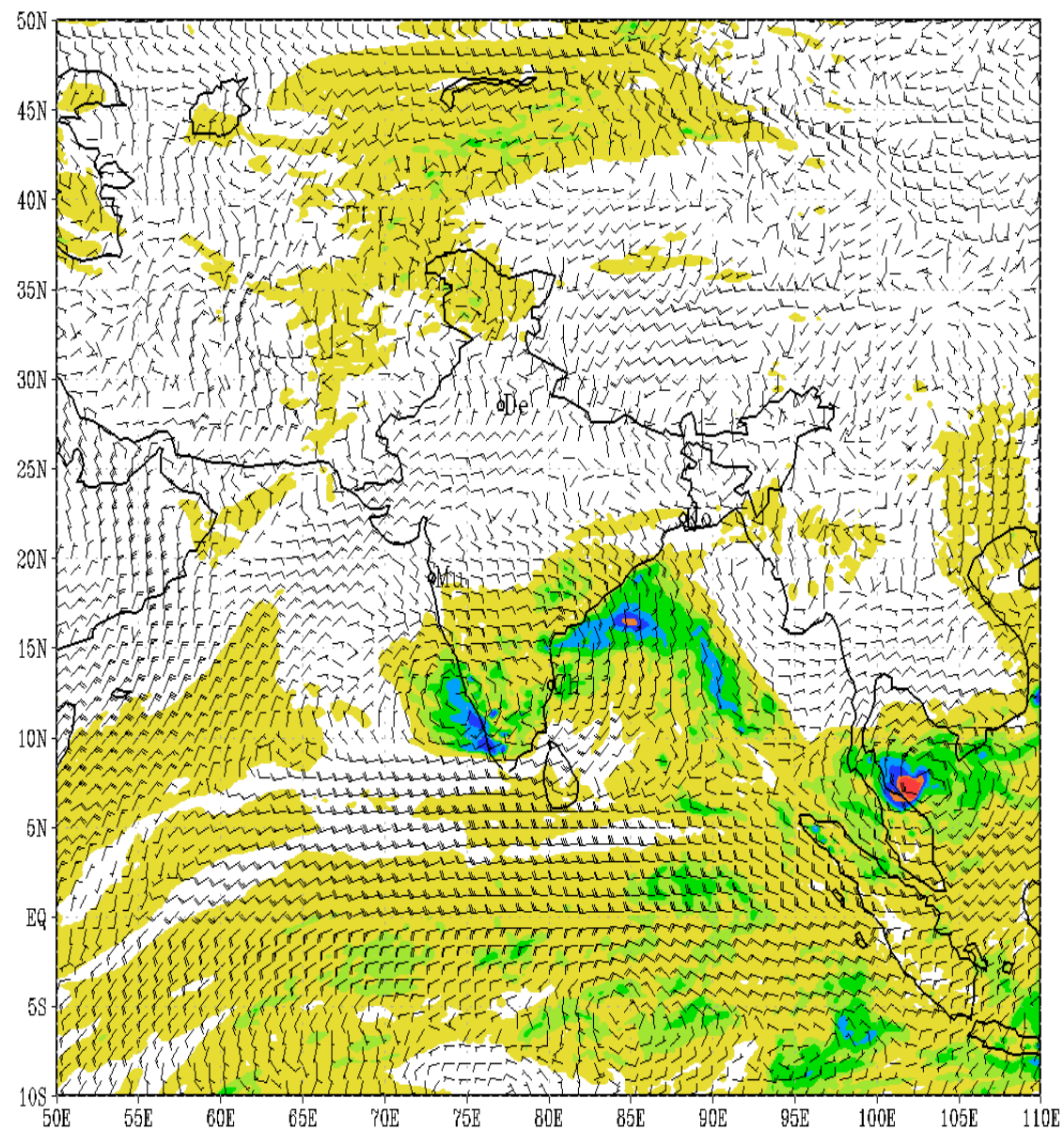
Valid for Sun 12/01/2024, 08:30pm IST



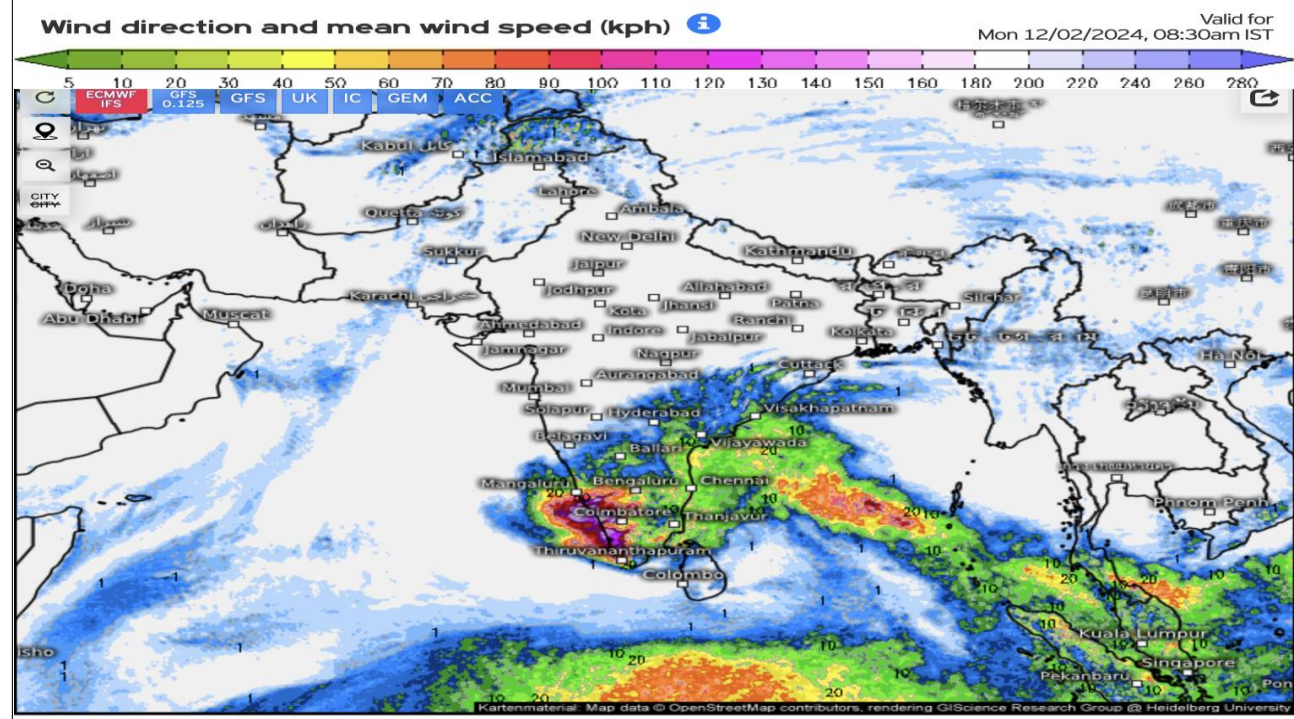
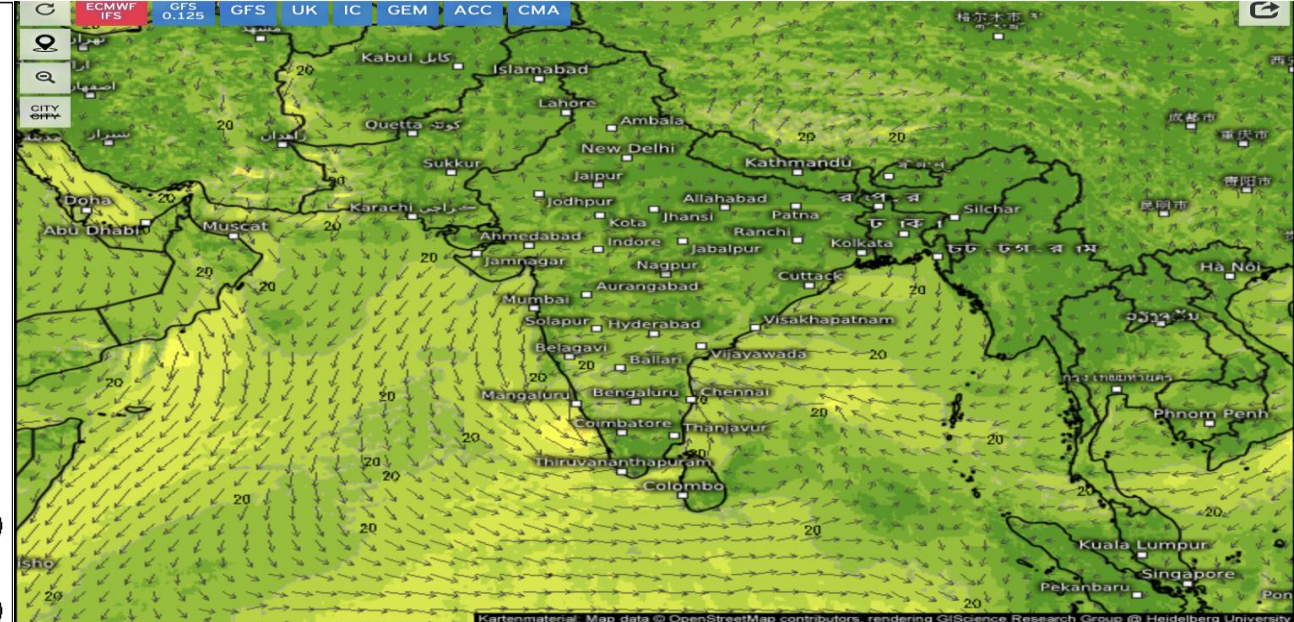
Precipitation, 24h (mm)

Valid for Sun 12/01/2024, 08:30am IST

IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (96 HR)
based on 00 UTC of 28-11-2024 valid for 03 UTC of 02-12-2024

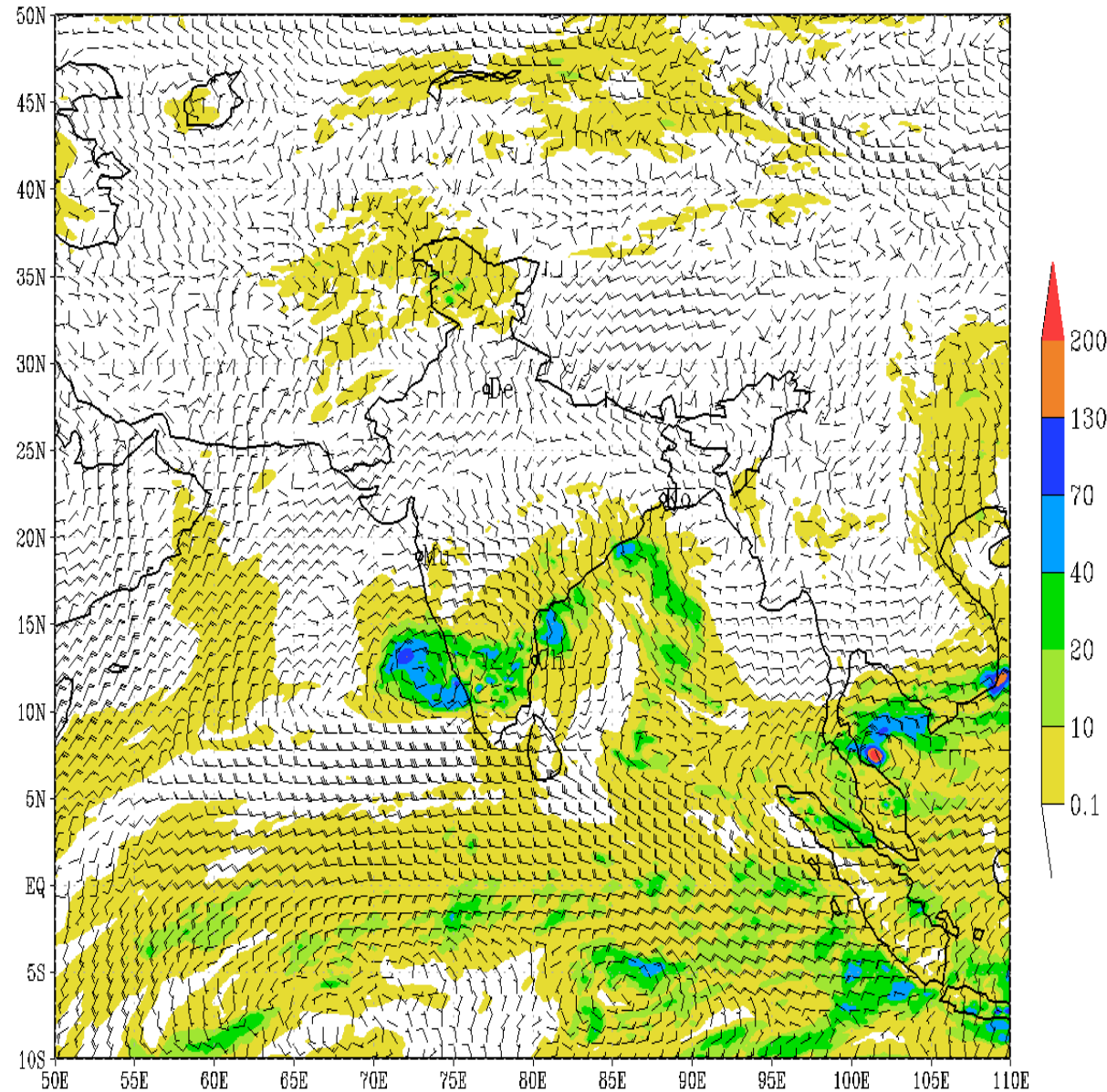


(Background does not depict political boundary)

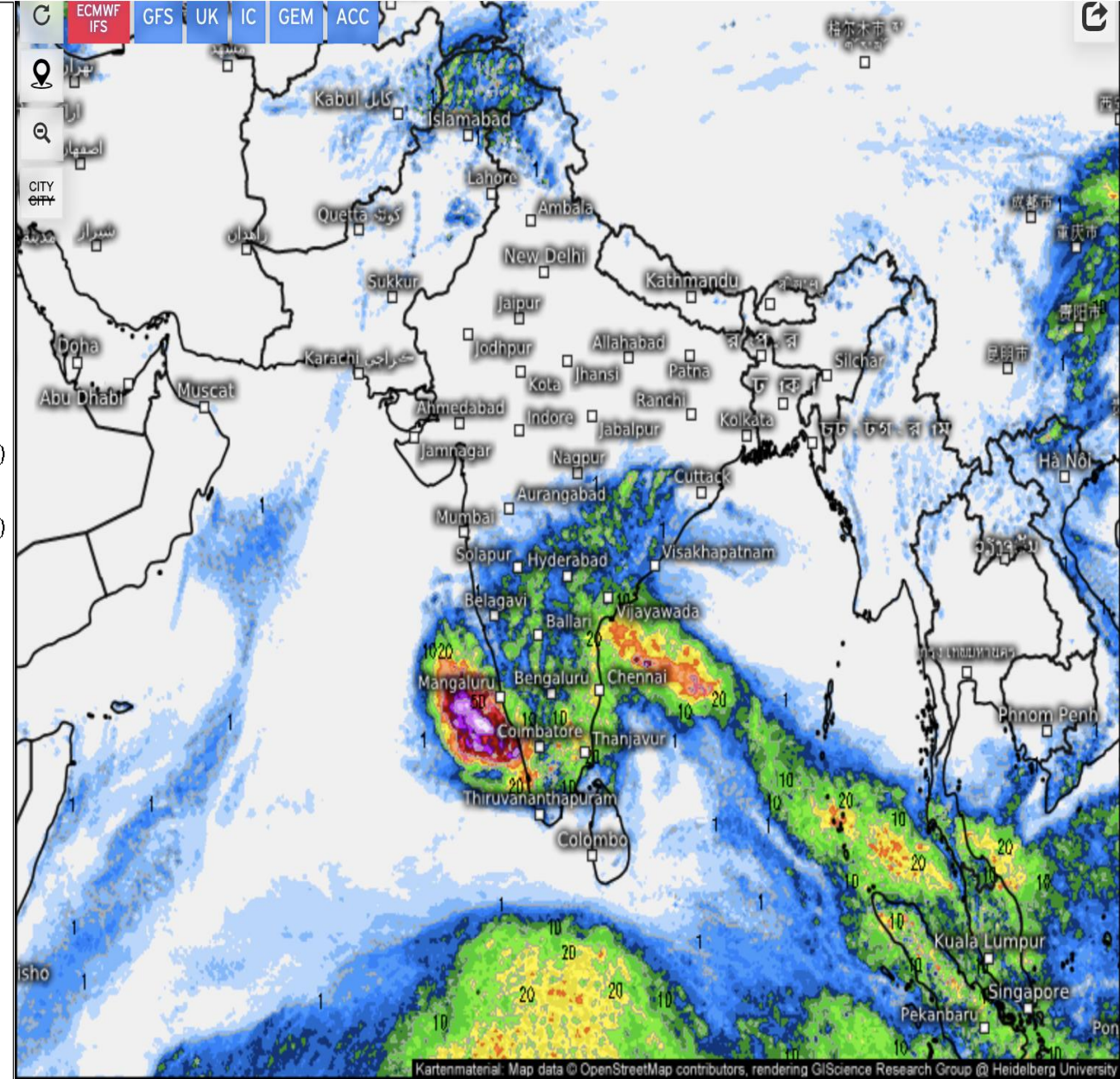


Valid for Mon 12/02/2024, 08:30am IST

IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (120 HR)
based on 00 UTC of 28-11-2024 valid for 03 UTC of 03-12-2024



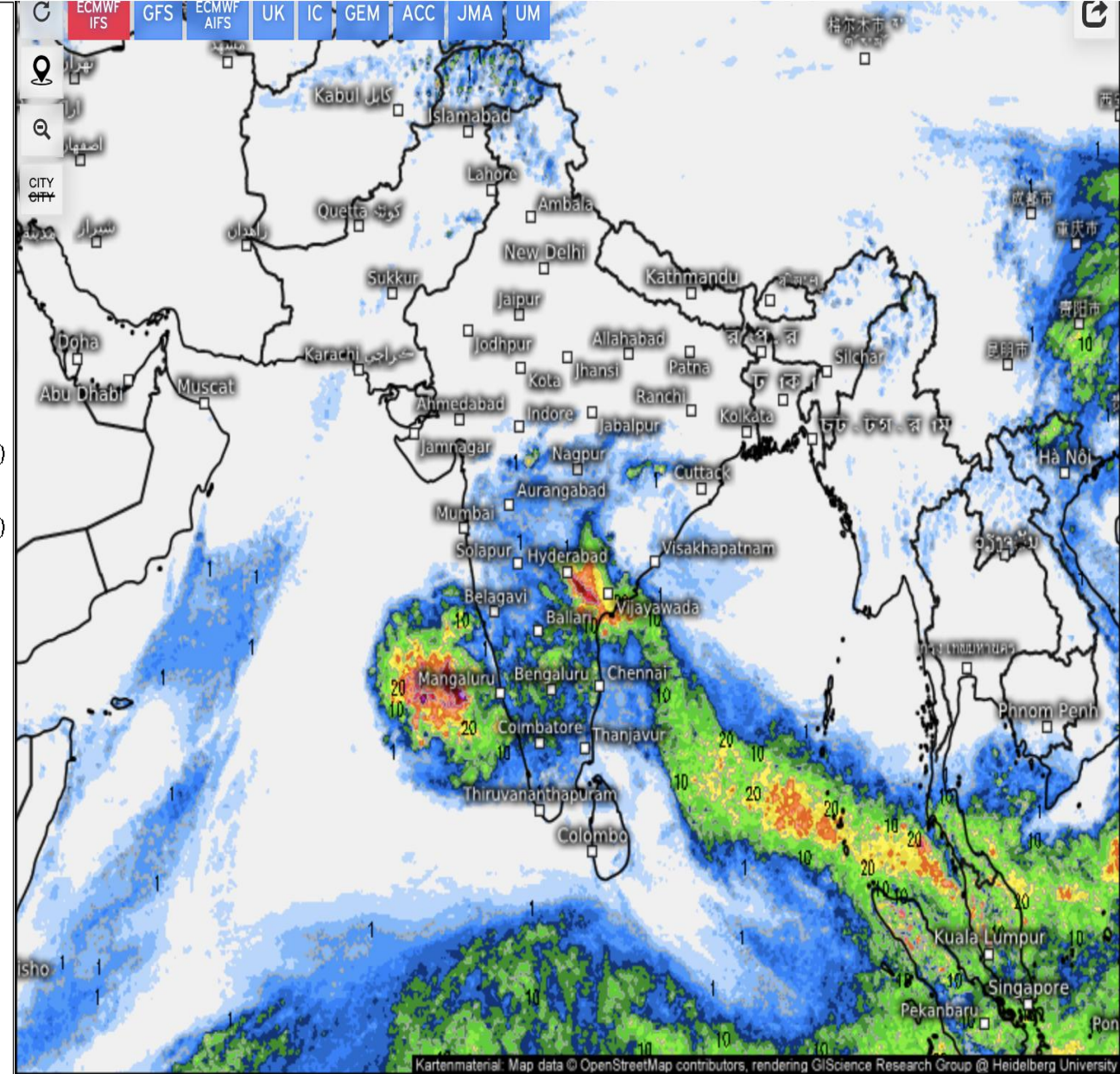
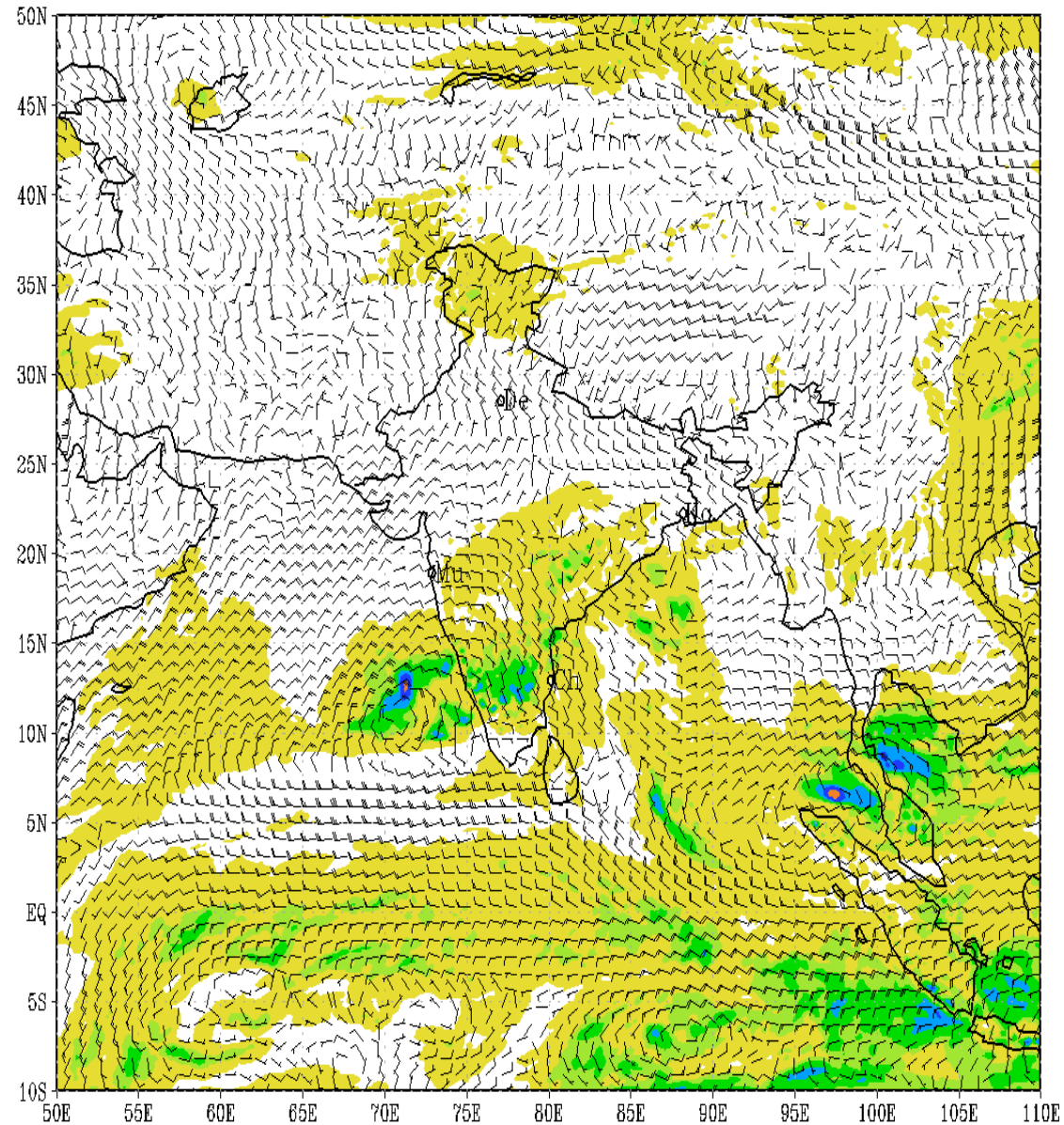
(Background does not depict political boundary)



Precipitation, 24h (mm)

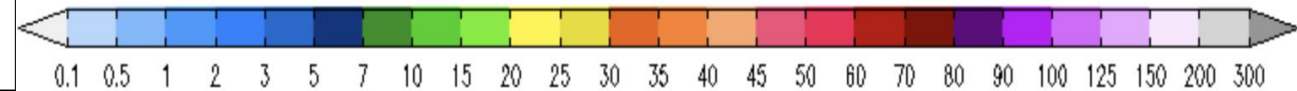
Valid for
Tue 12/03/2024, 08:30am IST

IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (144 HR)
based on 00 UTC of 28-11-2024 valid for 03 UTC of 04-12-2024

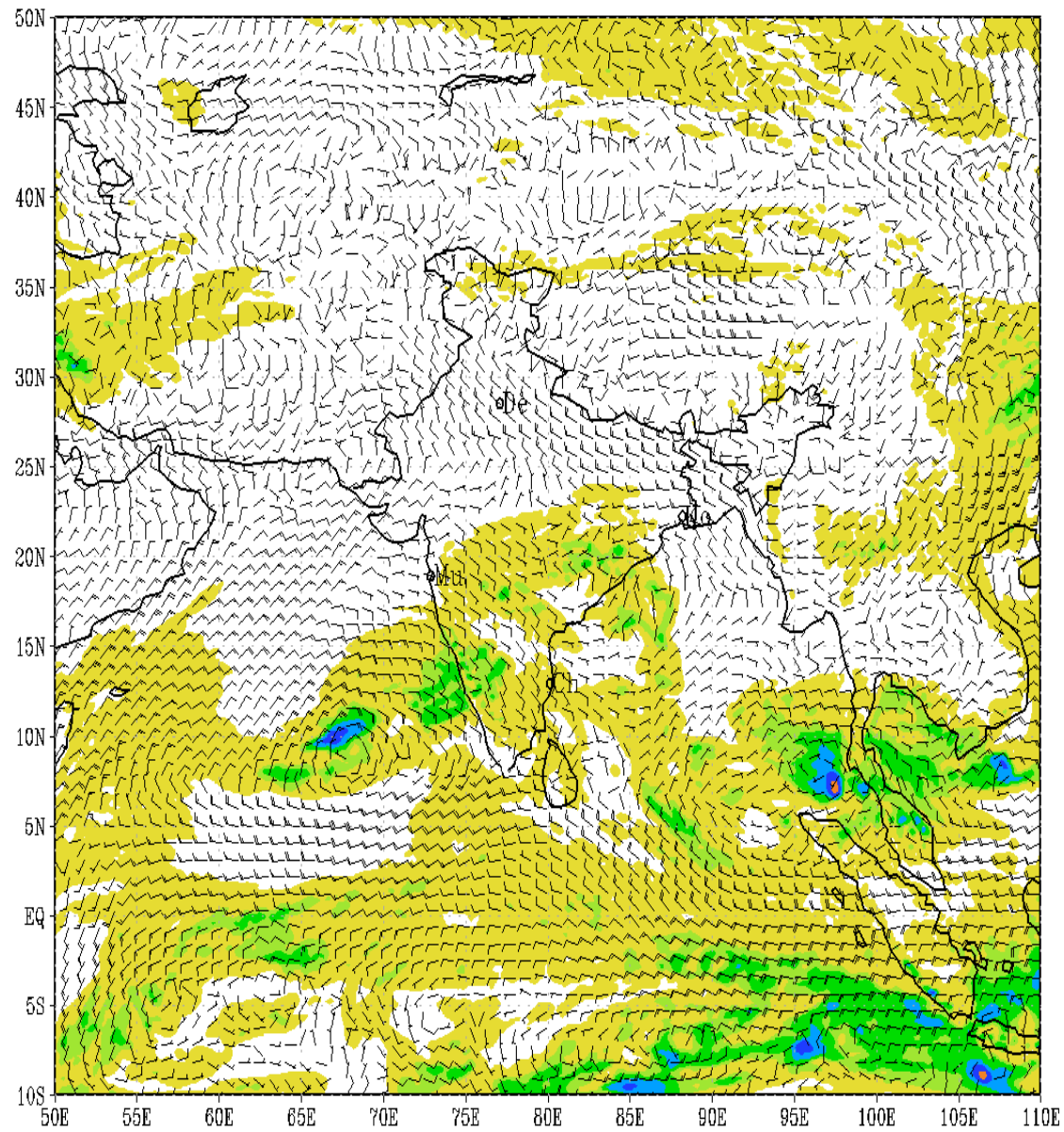


Precipitation, 24h (mm) [i](#)

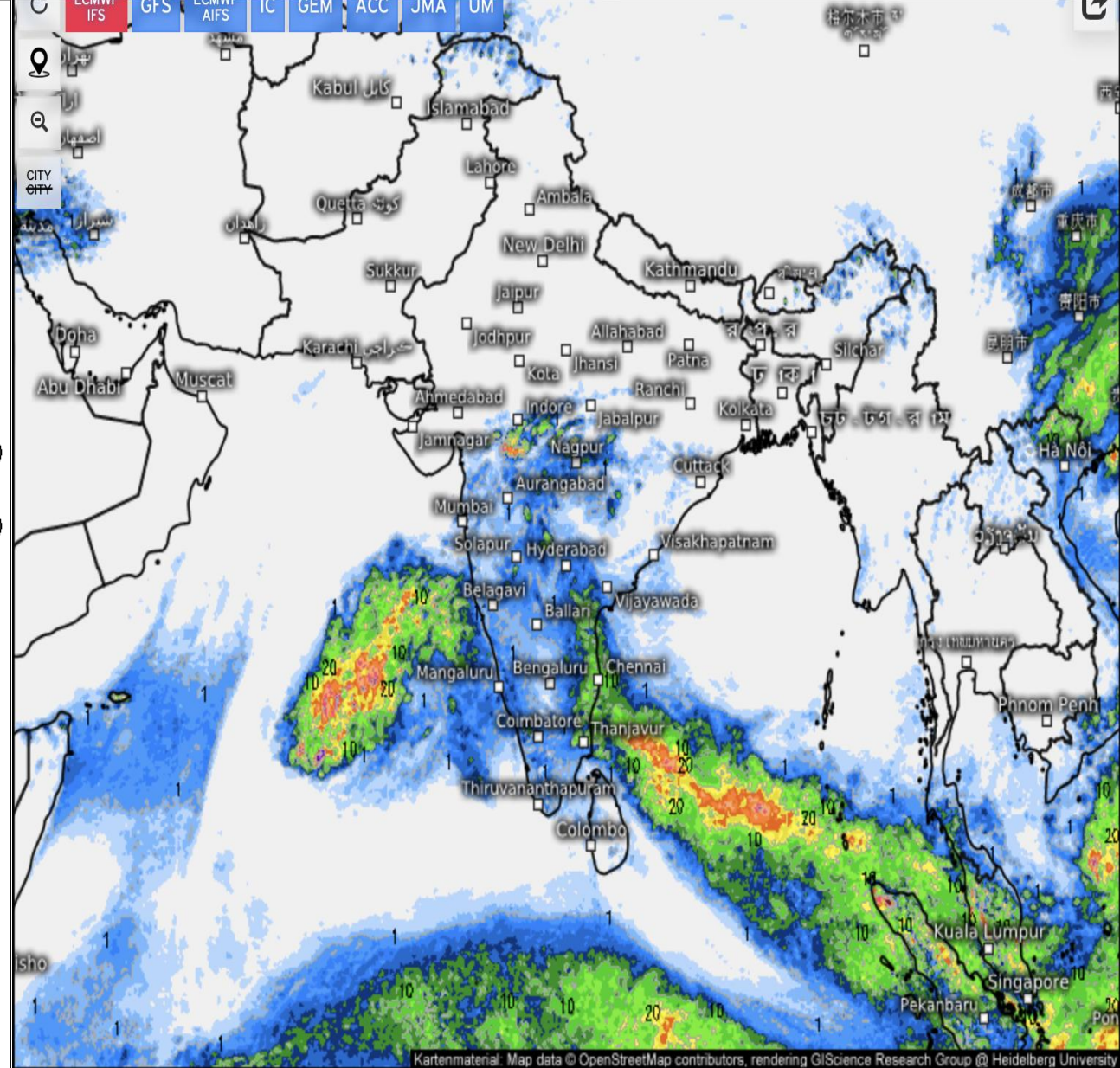
Valid for
Wed 12/04/2024, 05:30am IST



IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (168 HR)
based on 00 UTC of 28-11-2024 valid for 03 UTC of 05-12-2024

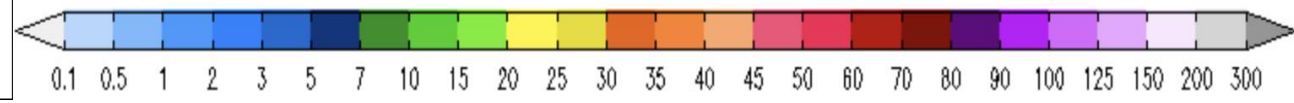


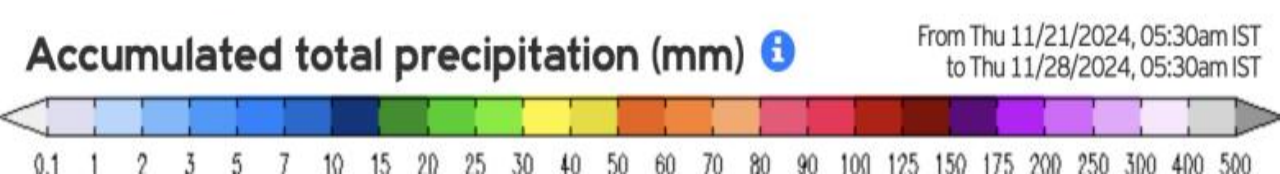
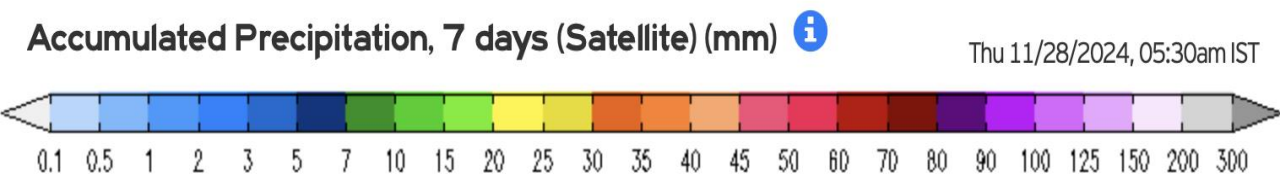
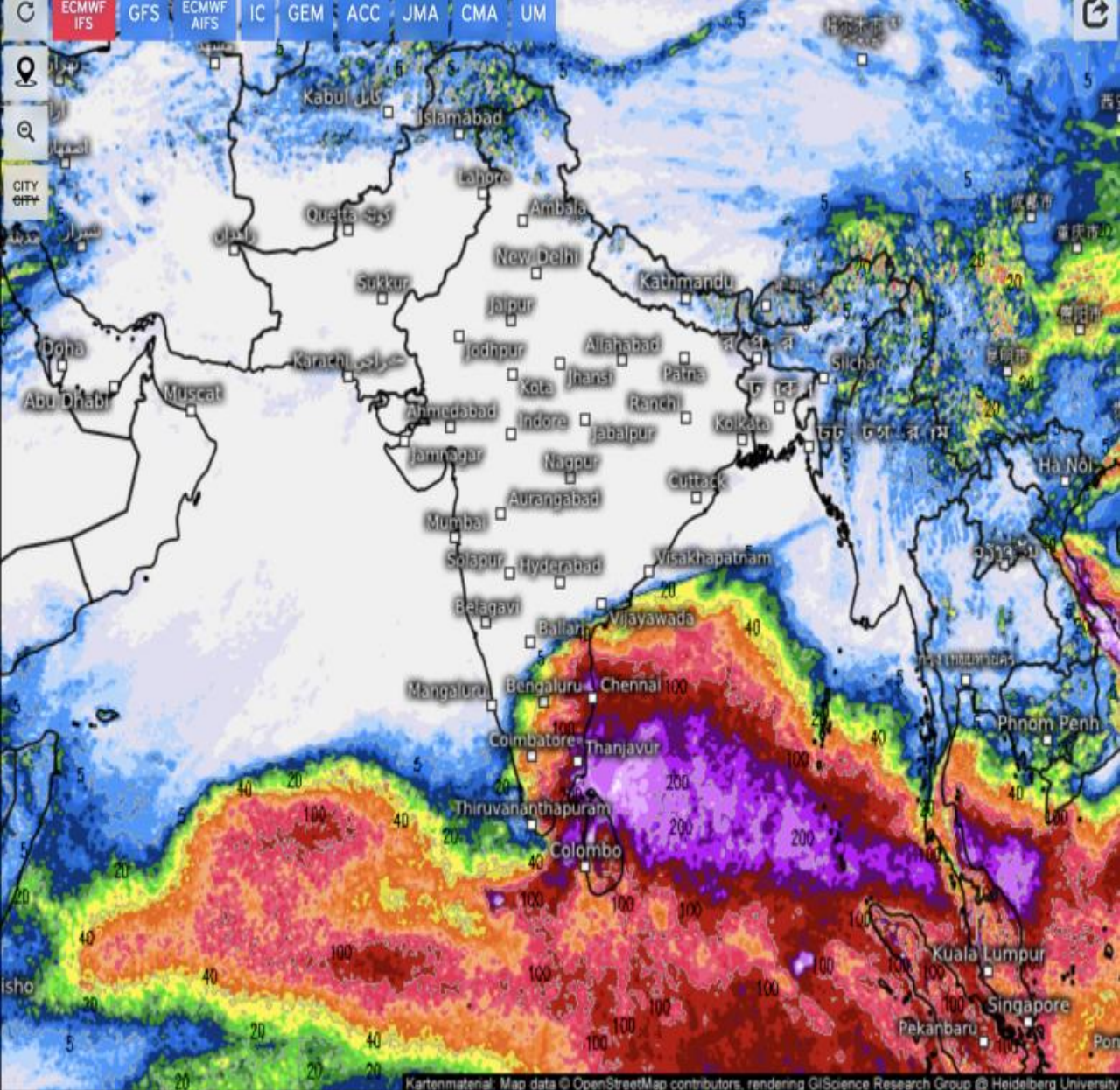
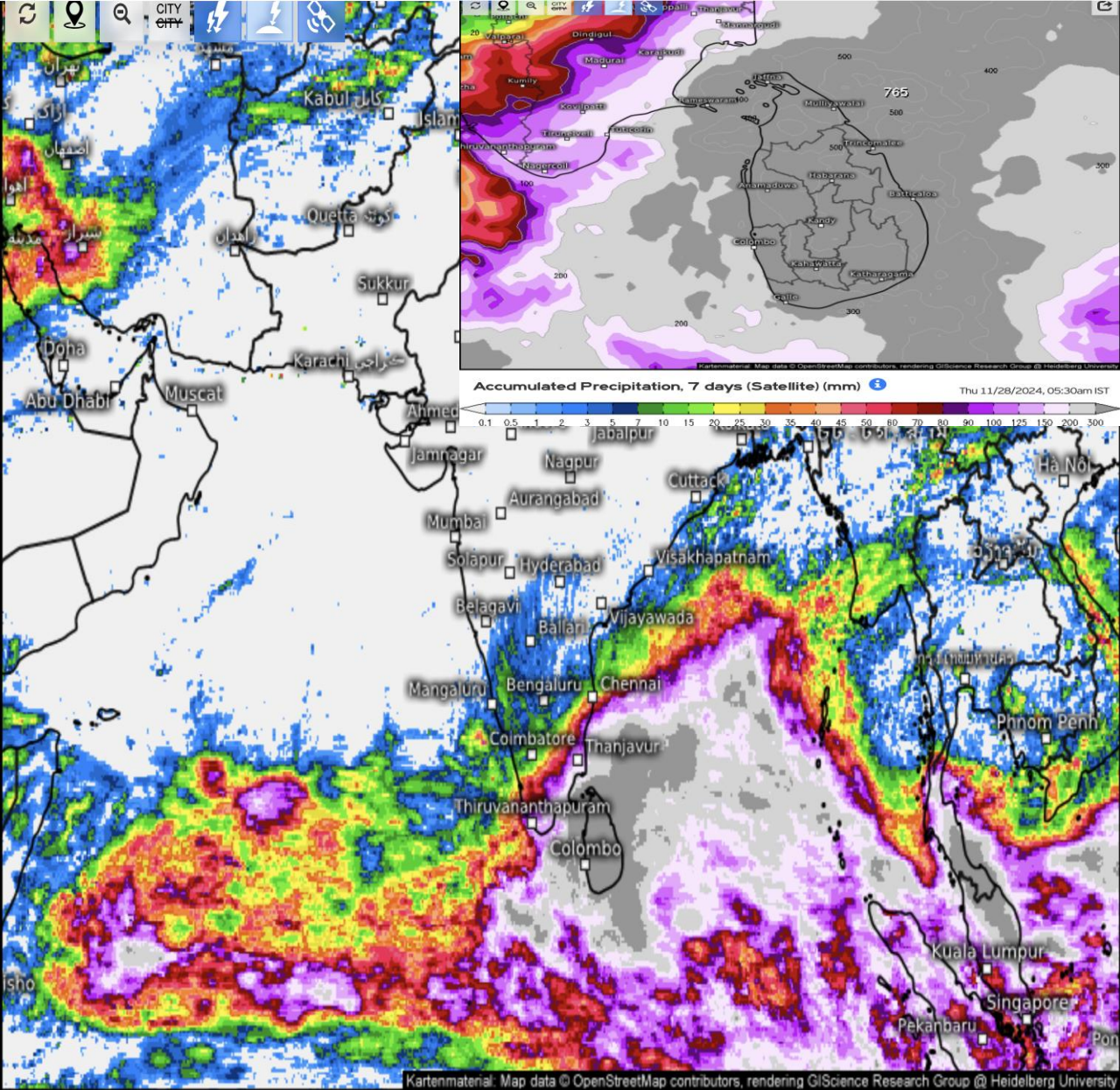
(Background does not depict political boundary)

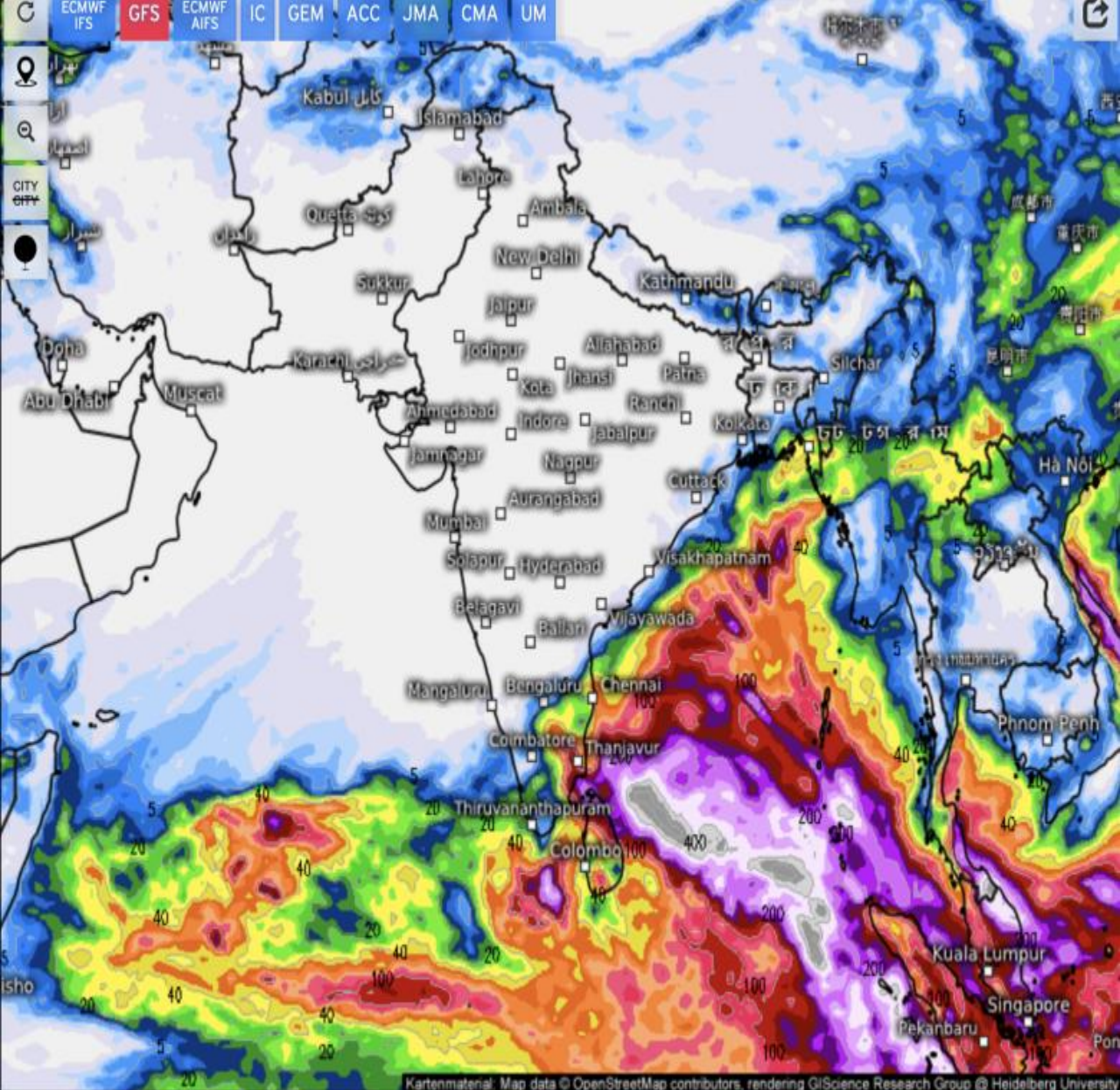
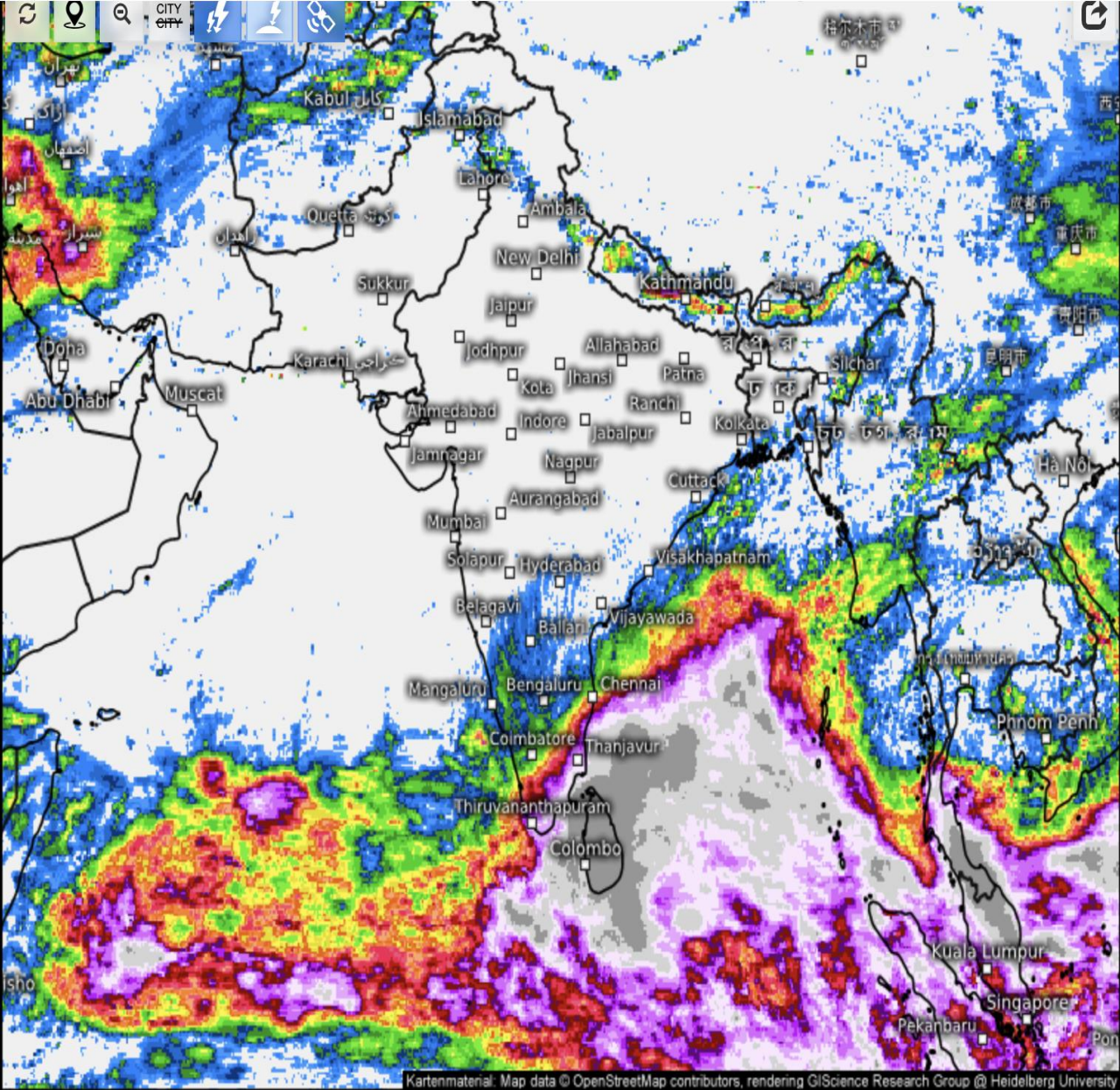


Precipitation, 24h (mm)

Valid for
Thu 12/05/2024, 05:30am IST





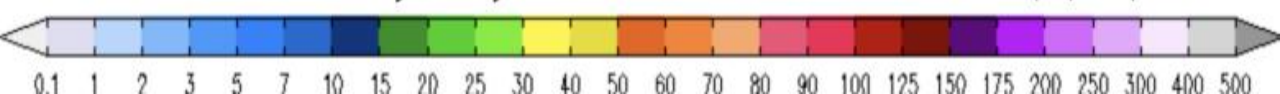
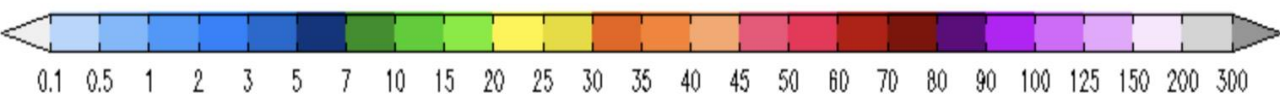


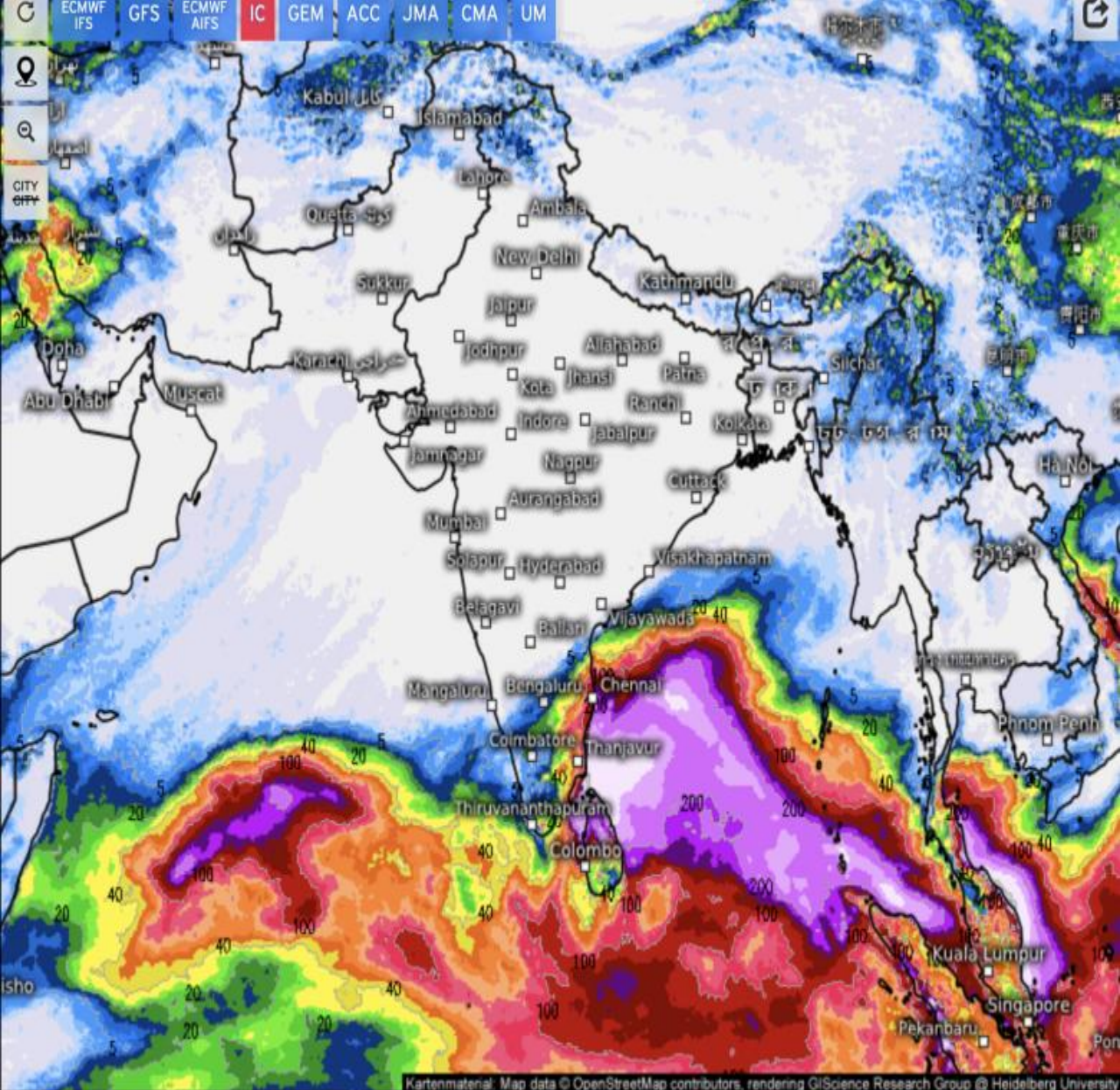
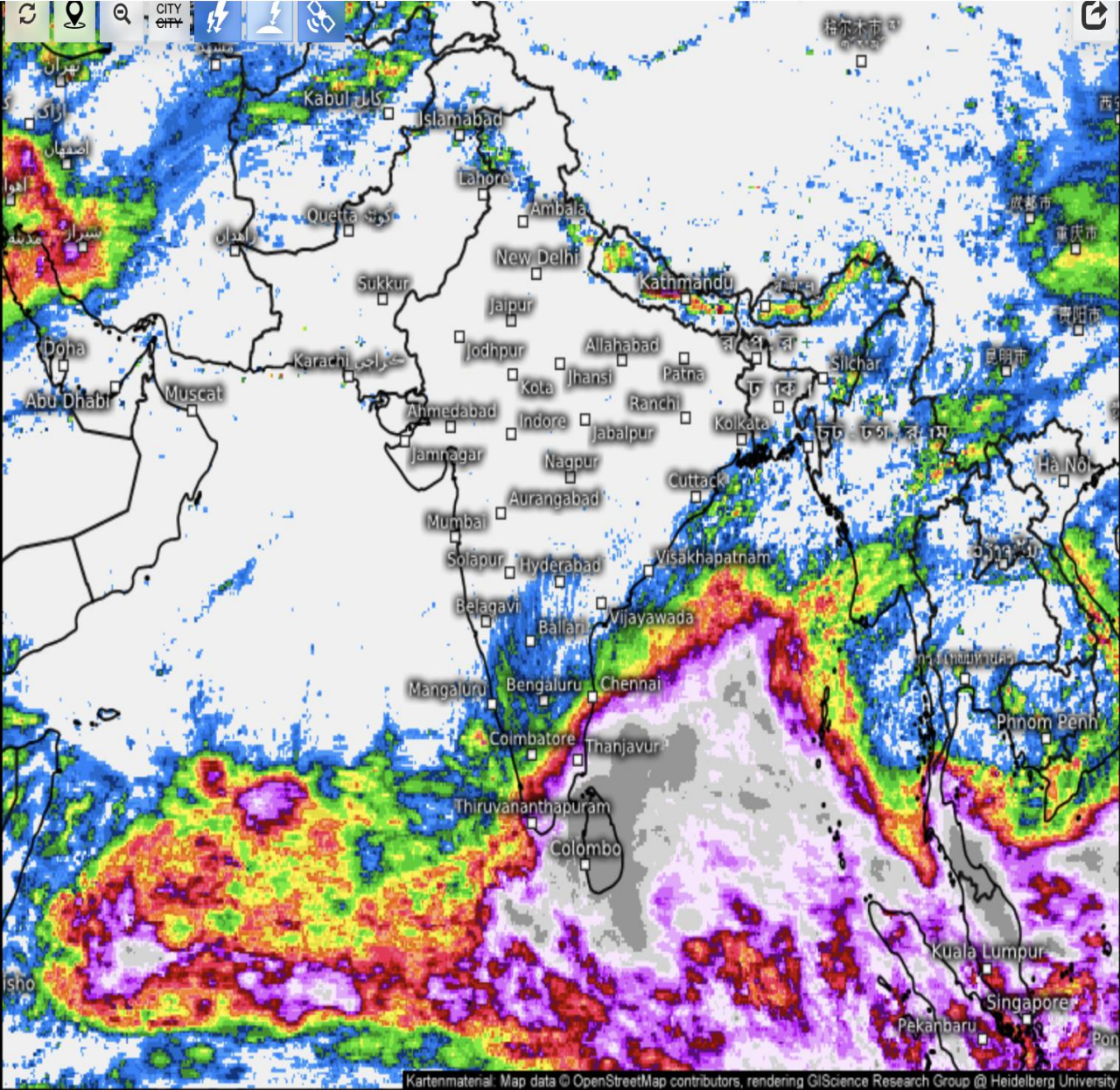
Accumulated Precipitation, 7 days (Satellite) (mm)

Thu 11/28/2024, 05:30am IST

Accumulated total precipitation (mm)

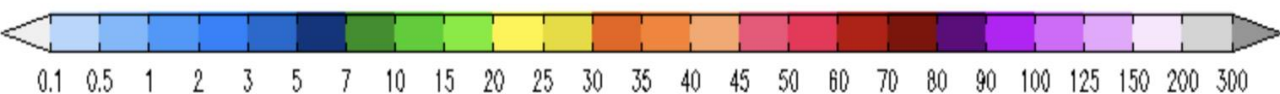
From Thu 11/21/2024, 05:30am IST
to Thu 11/28/2024, 05:30am IST





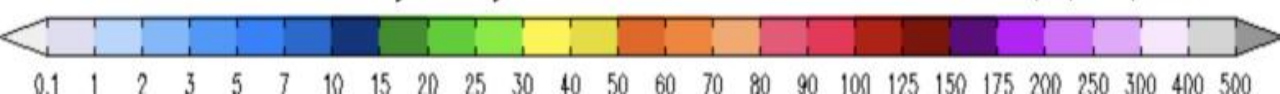
Accumulated Precipitation, 7 days (Satellite) (mm) ⓘ

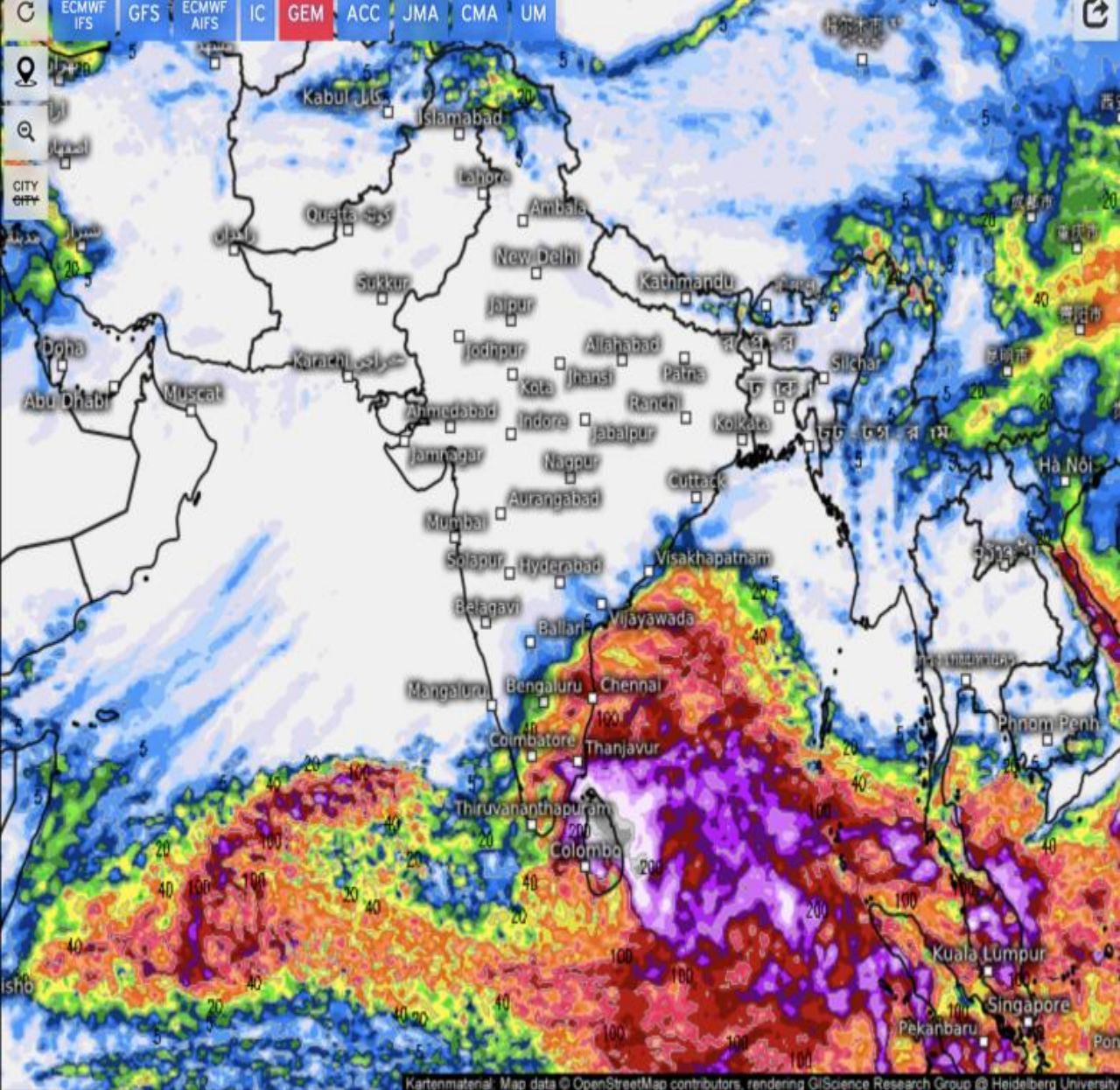
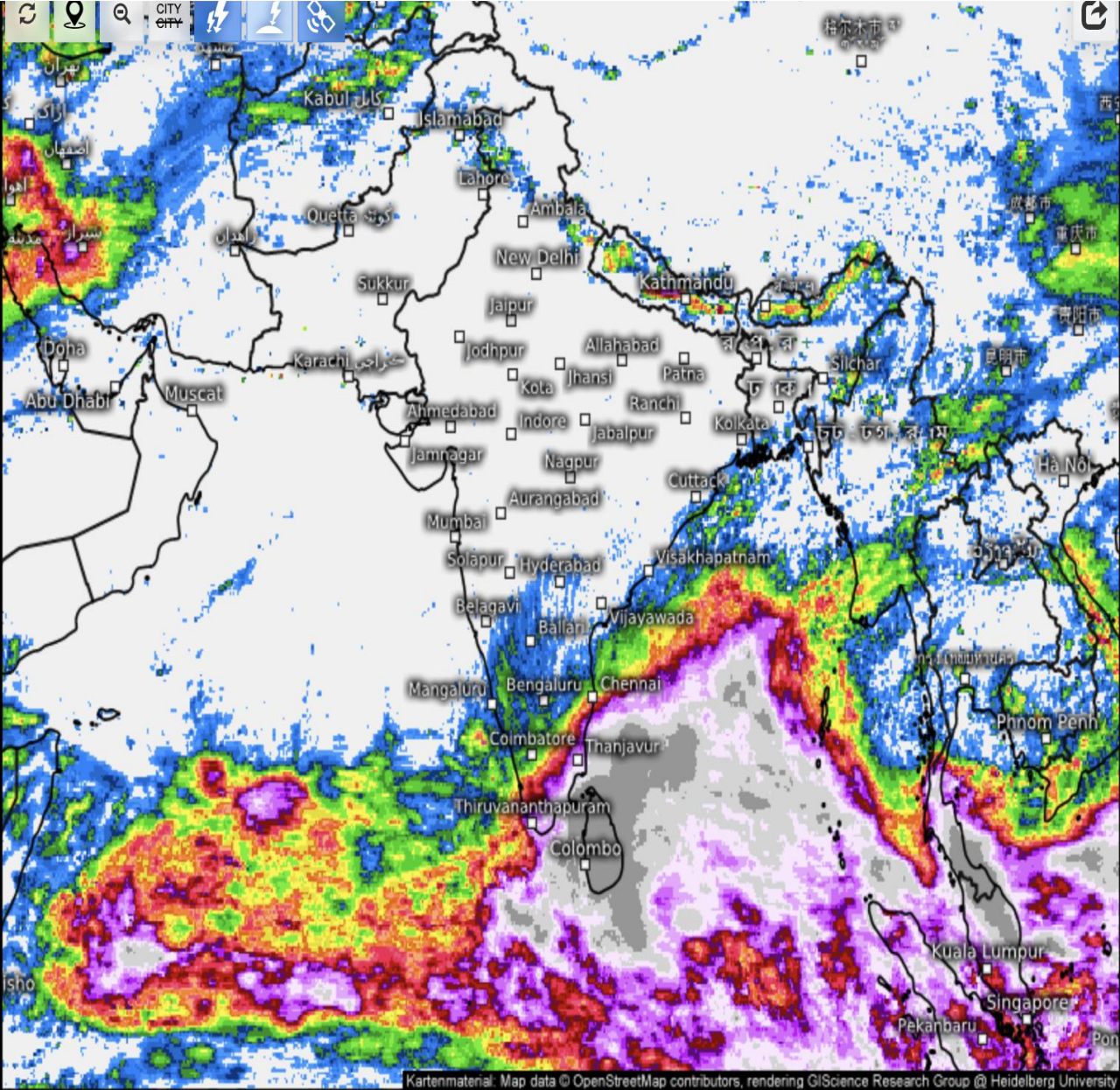
Thu 11/28/2024, 05:30am IST



Accumulated total precipitation (mm) ⓘ

From Thu 11/21/2024, 05:30am IST
to Thu 11/28/2024, 05:30am IST



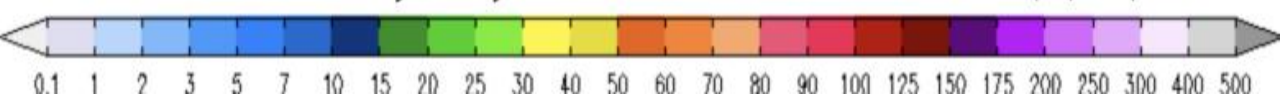
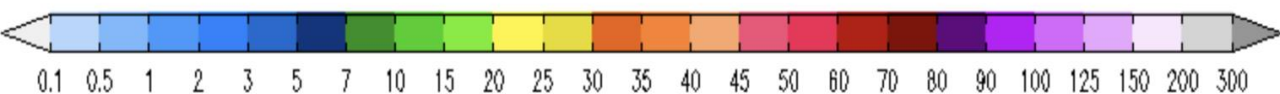


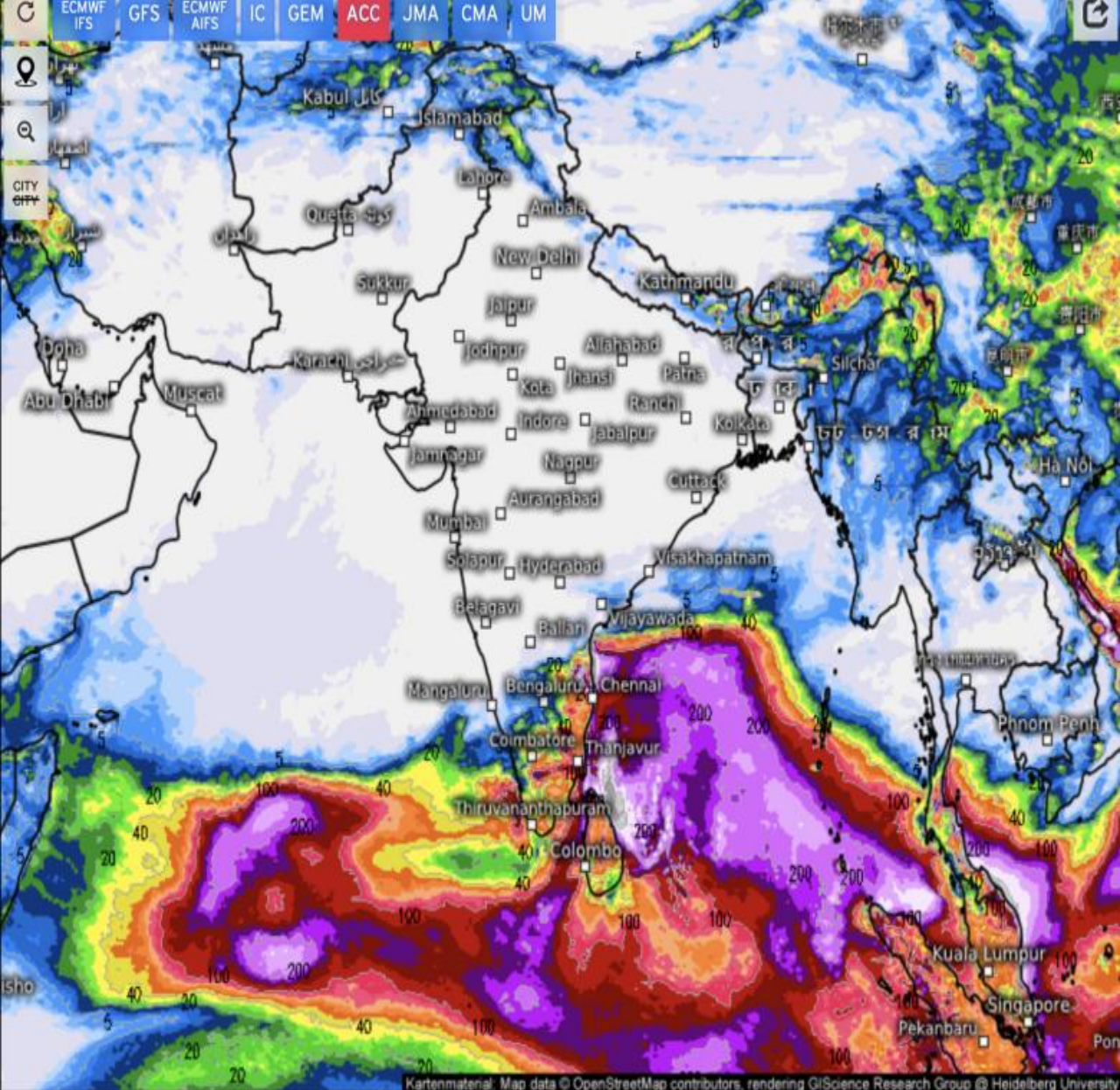
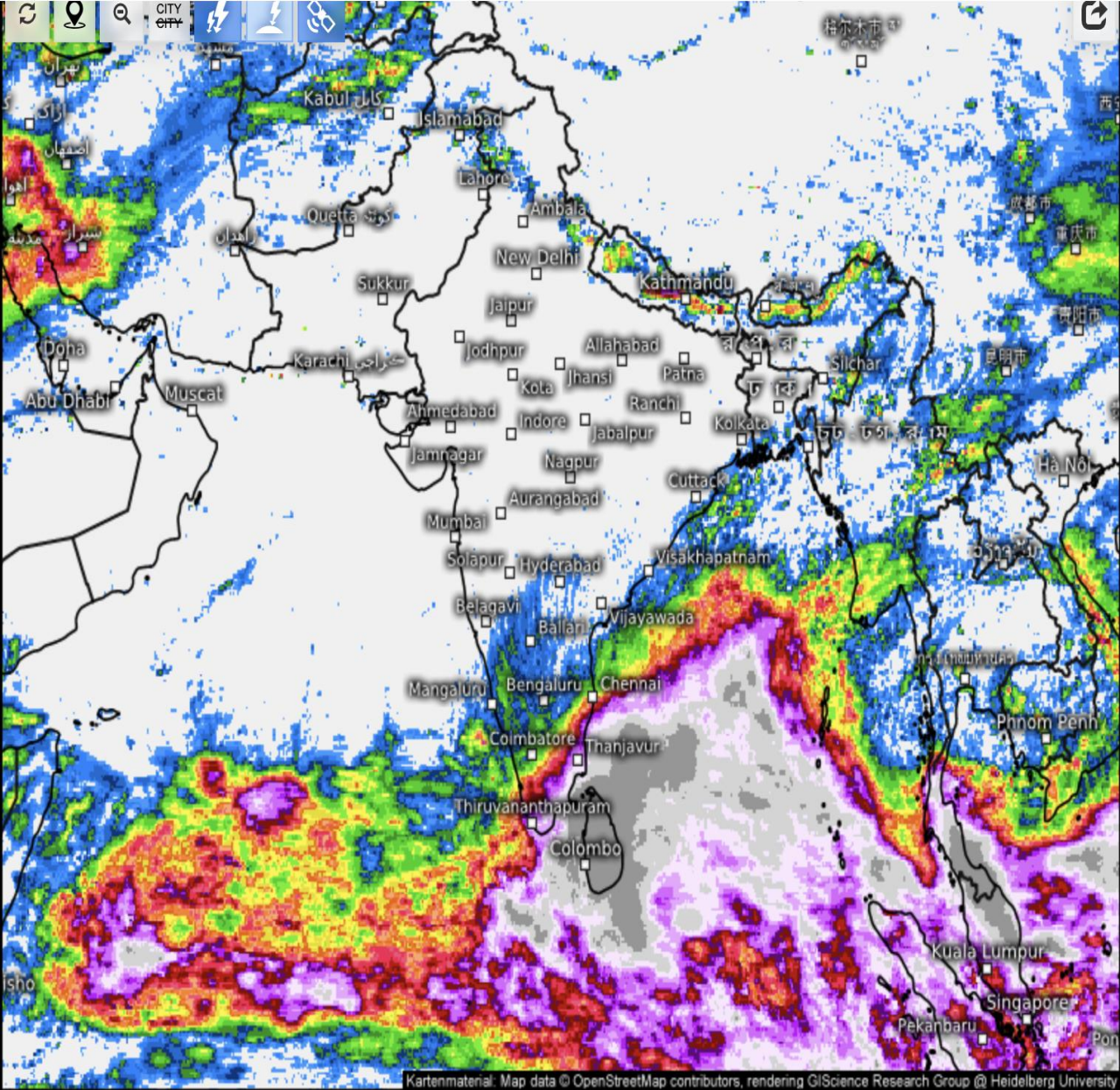
Accumulated Precipitation, 7 days (Satellite) (mm)

Thu 11/28/2024, 05:30am IST

Accumulated total precipitation (mm)

From Thu 11/21/2024, 05:30am IST
to Thu 11/28/2024, 05:30am IST



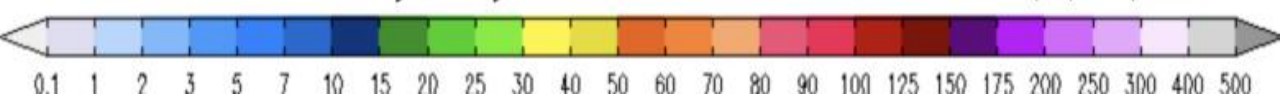
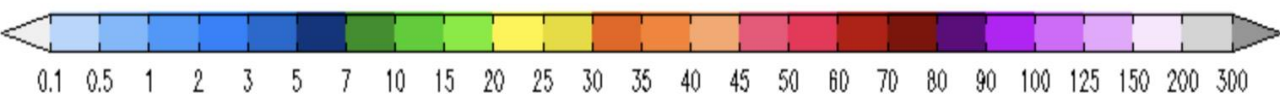


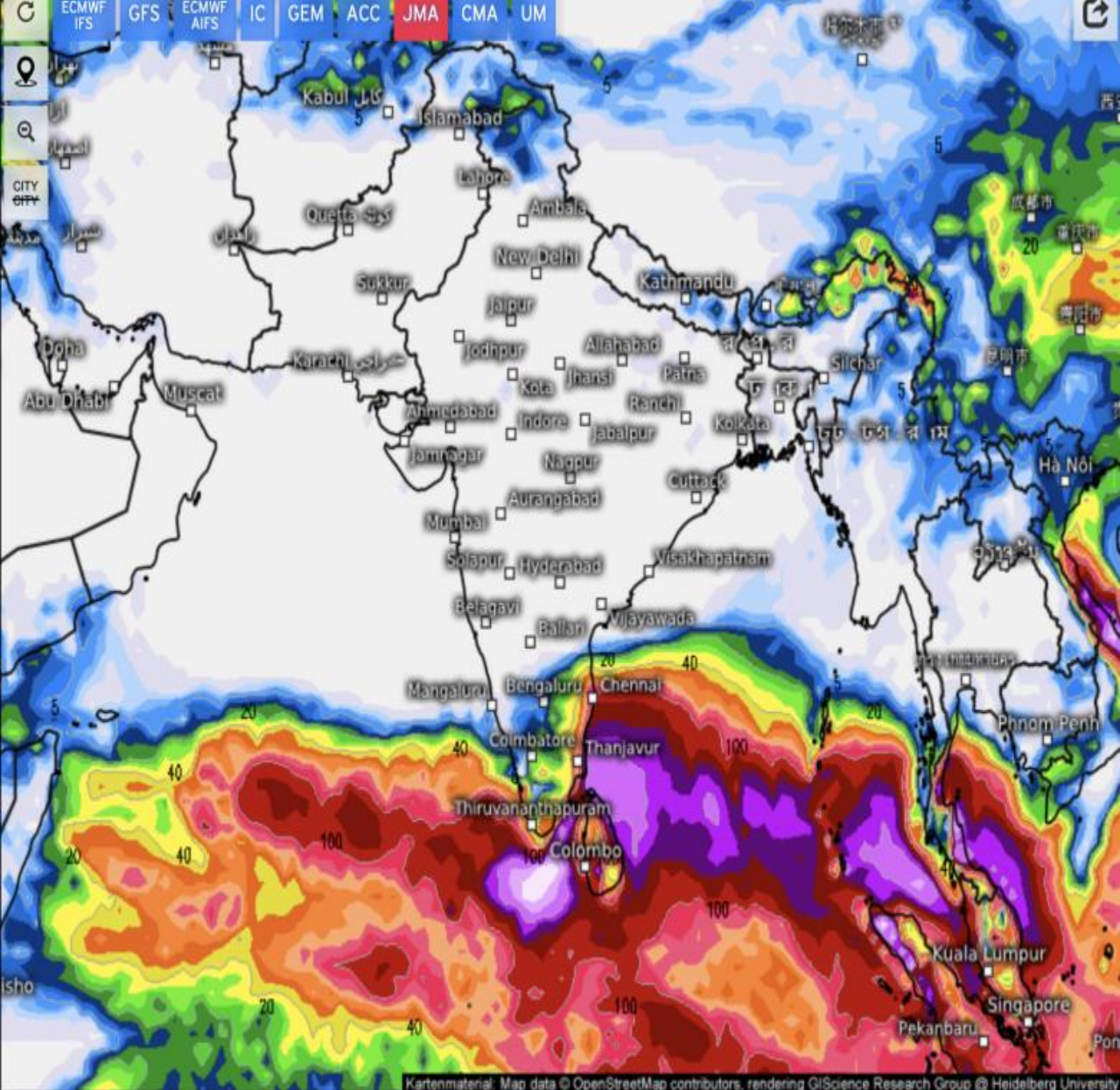
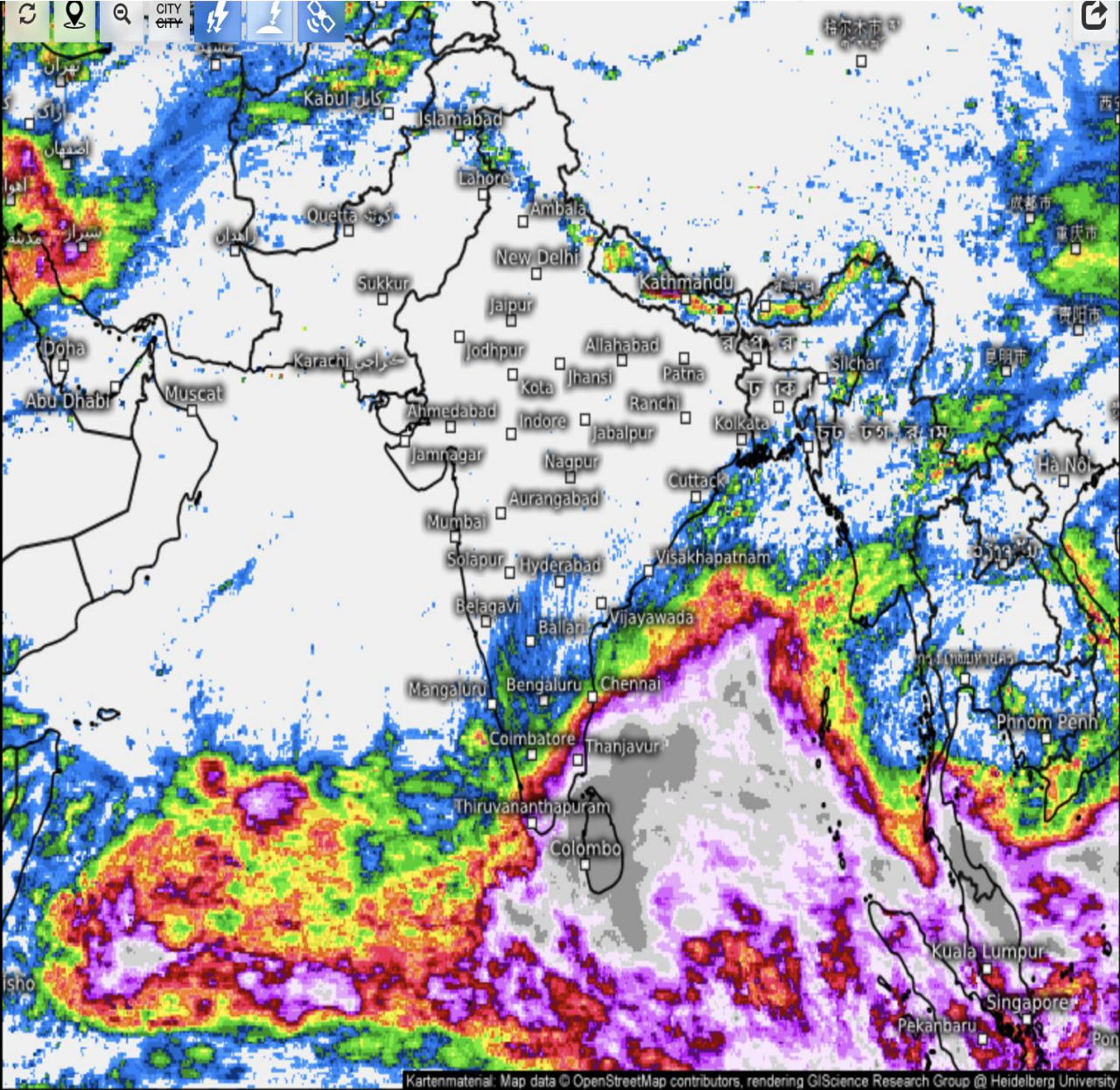
Accumulated Precipitation, 7 days (Satellite) (mm)

Thu 11/28/2024, 05:30am IST

Accumulated total precipitation (mm)

From Wed 11/20/2024, 05:30pm IST
to Thu 11/28/2024, 05:30am IST



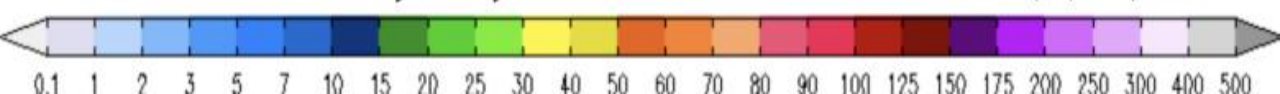
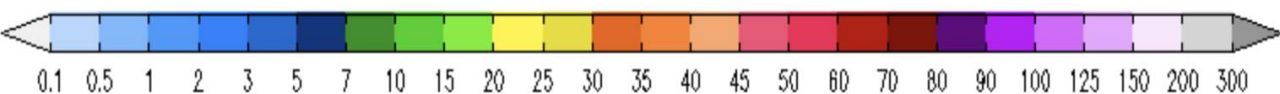


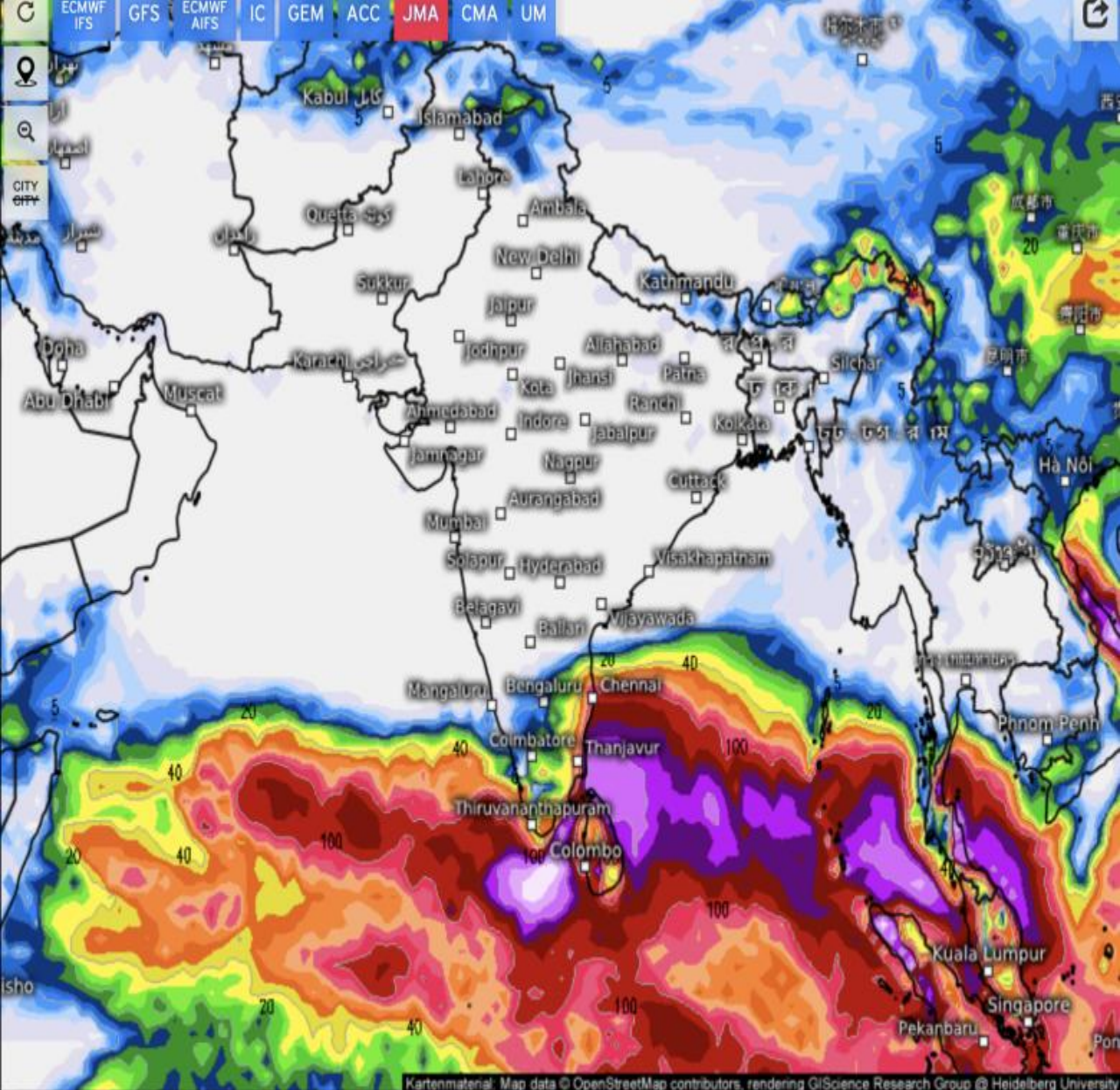
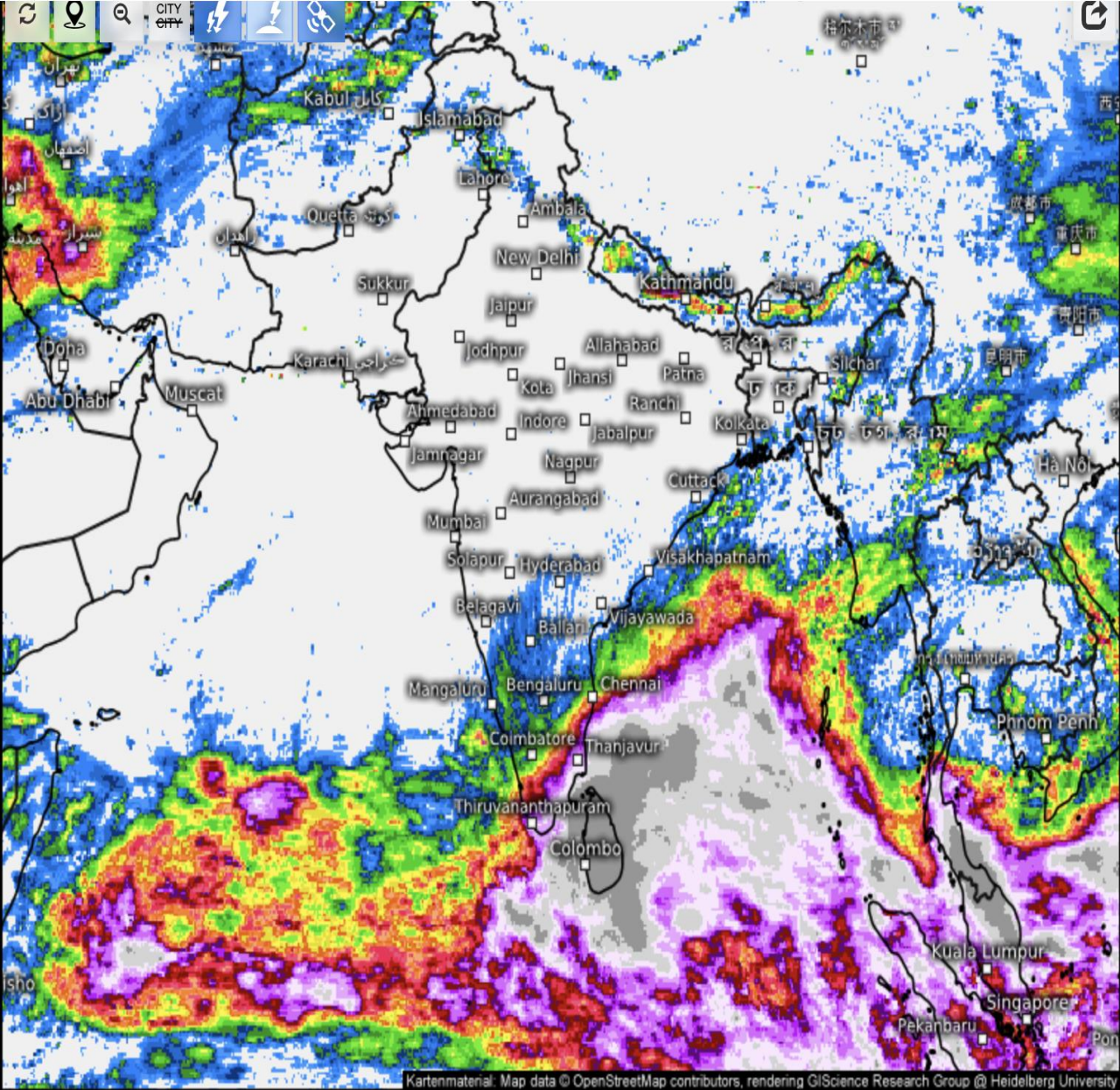
Accumulated Precipitation, 7 days (Satellite) (mm)

Thu 11/28/2024, 05:30am IST

Accumulated total precipitation (mm)

From Wed 11/20/2024, 05:30pm IST
to Thu 11/28/2024, 05:30am IST



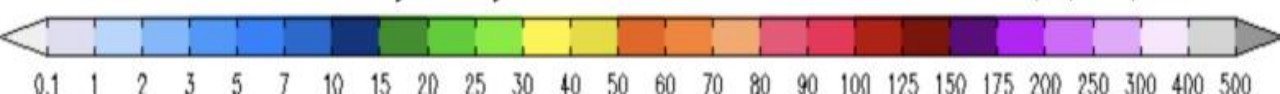
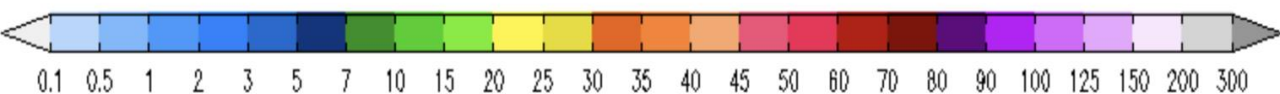


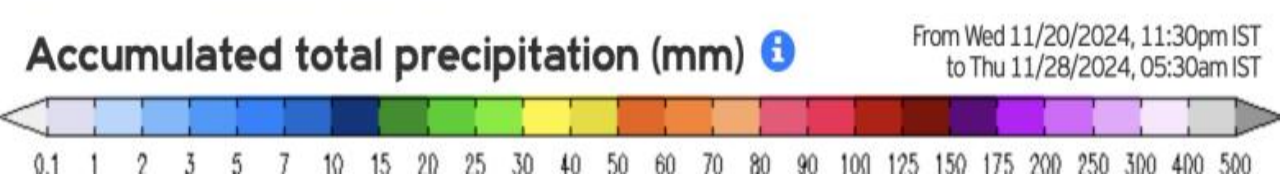
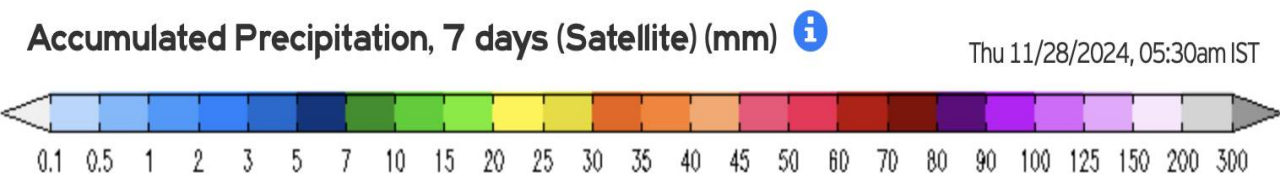
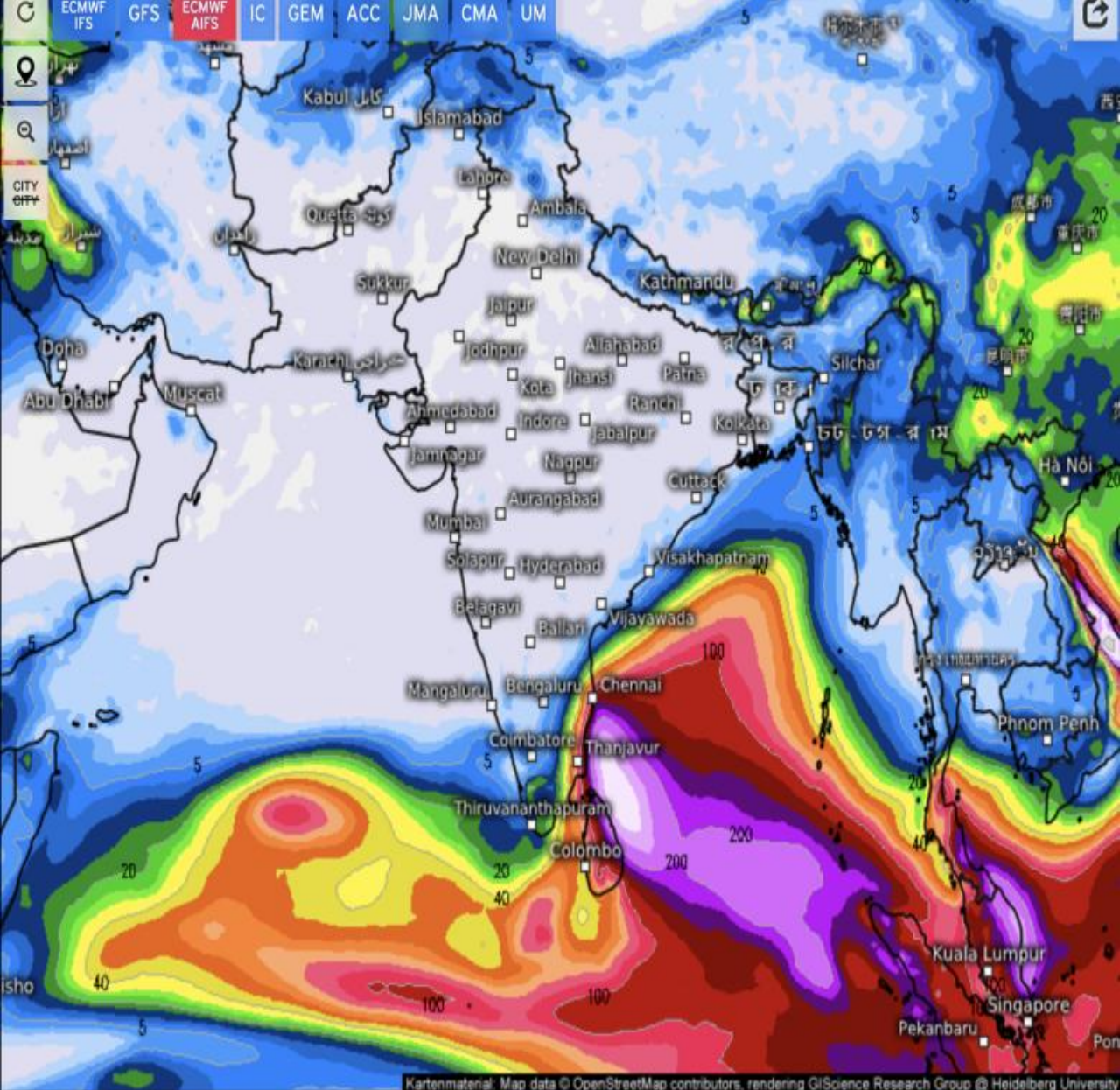
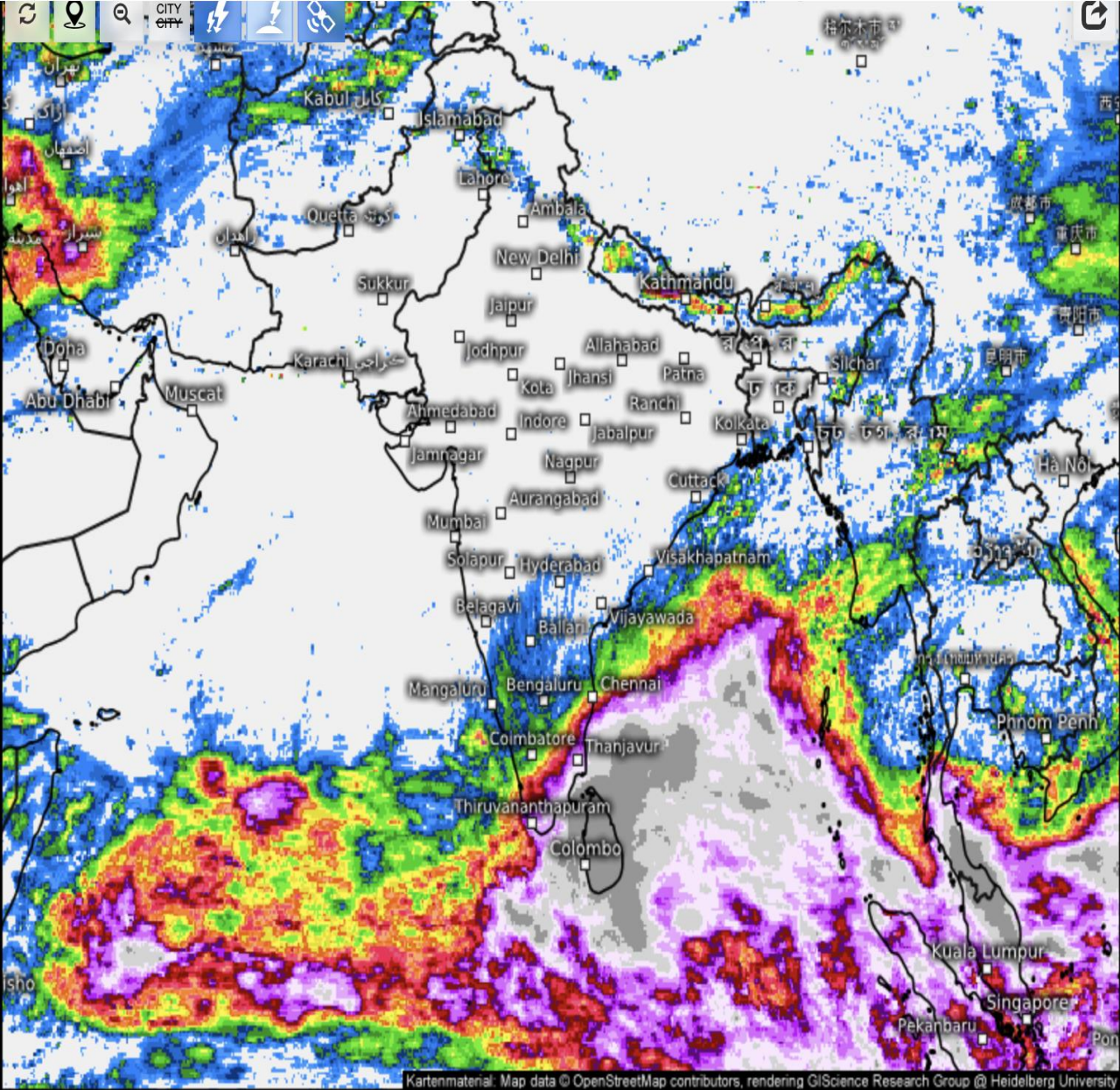
Accumulated Precipitation, 7 days (Satellite) (mm)

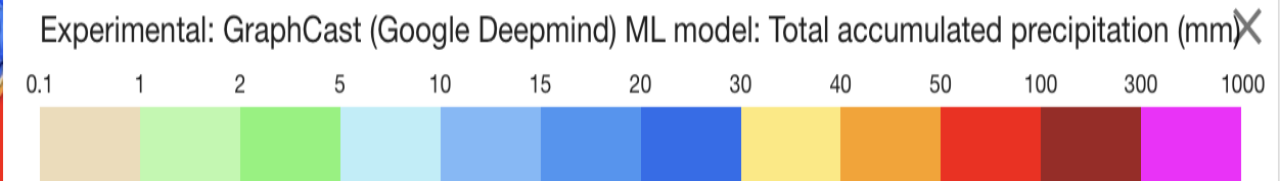
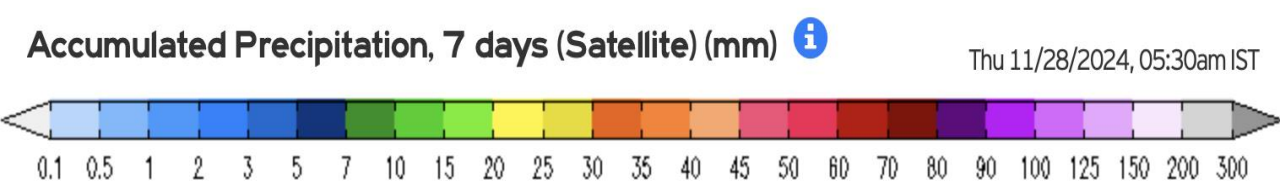
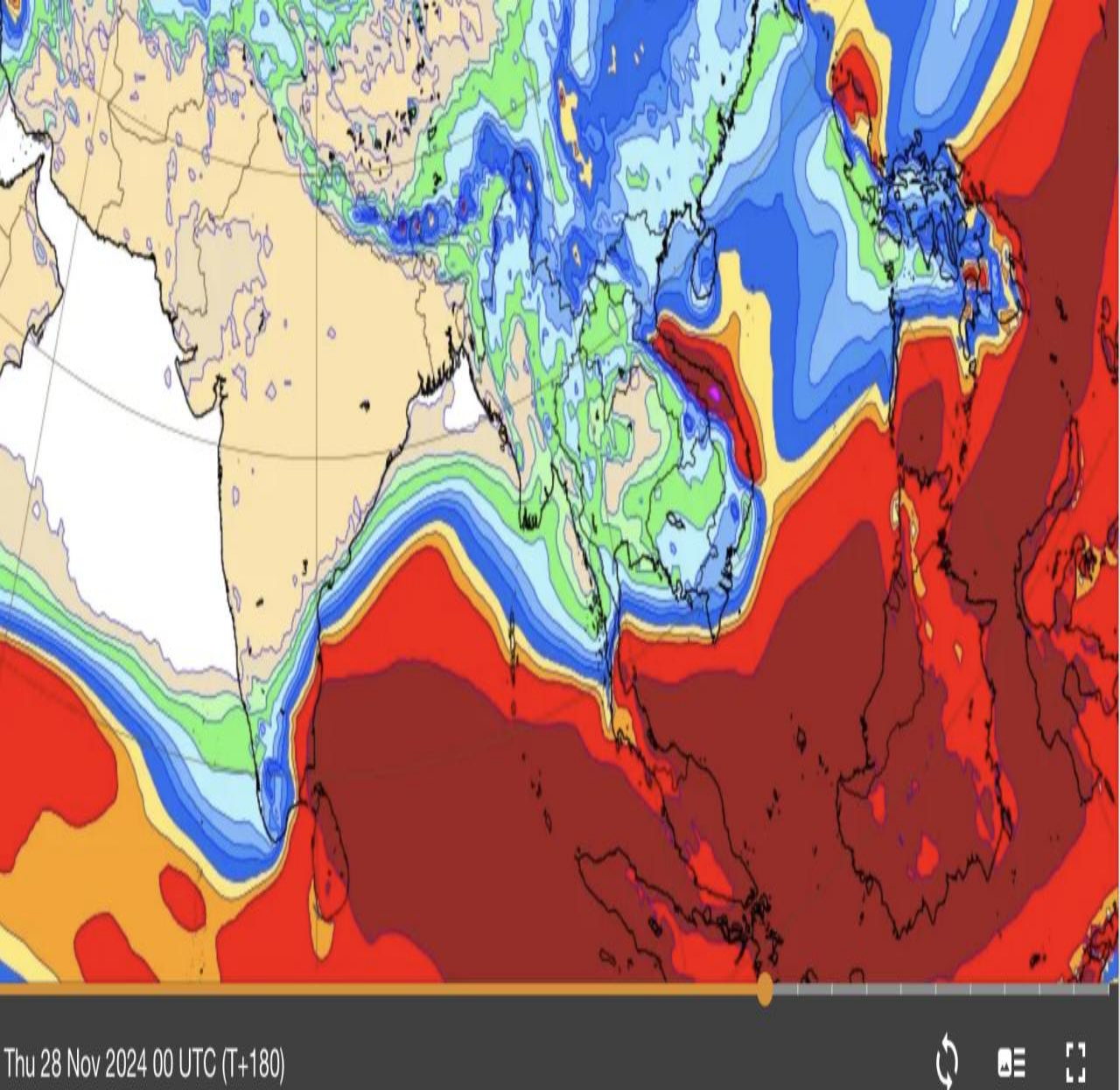
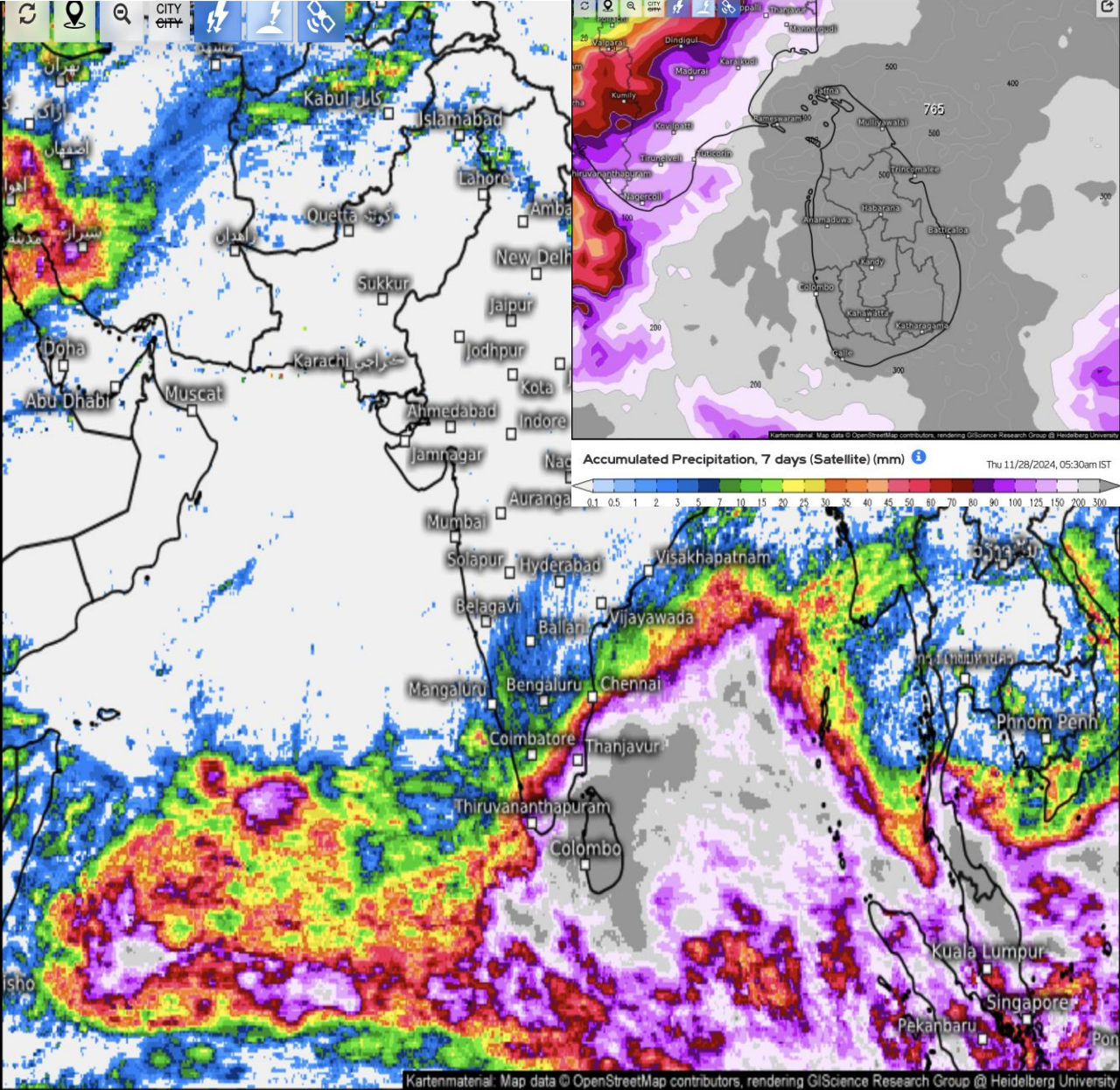
Thu 11/28/2024, 05:30am IST

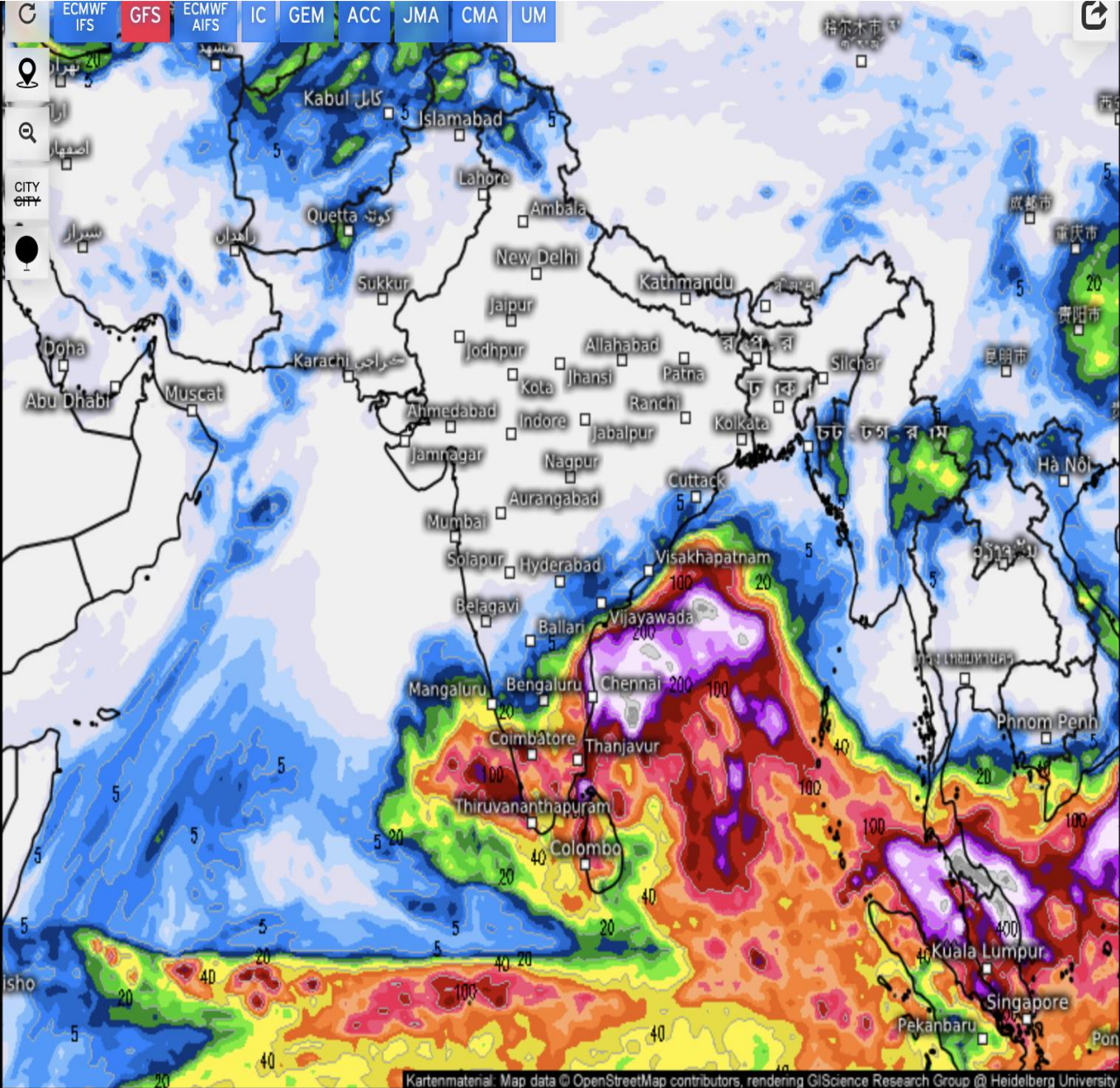
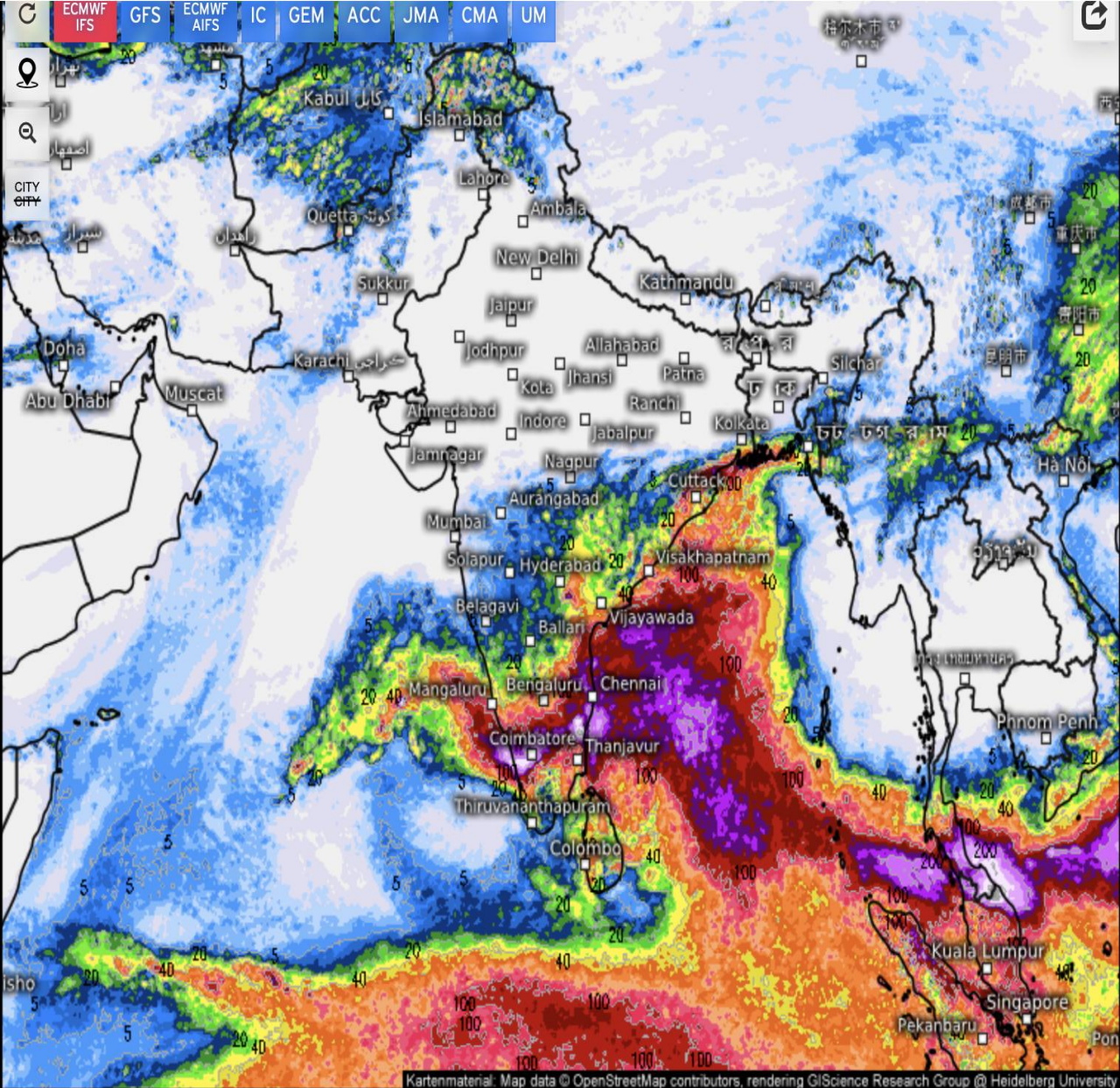
Accumulated total precipitation (mm)

From Wed 11/20/2024, 05:30pm IST
to Thu 11/28/2024, 05:30am IST



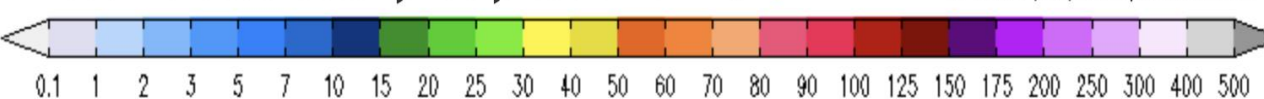






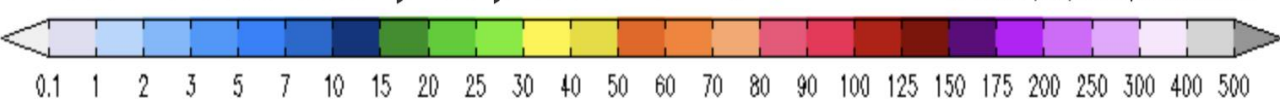
Accumulated total precipitation (mm) ⓘ

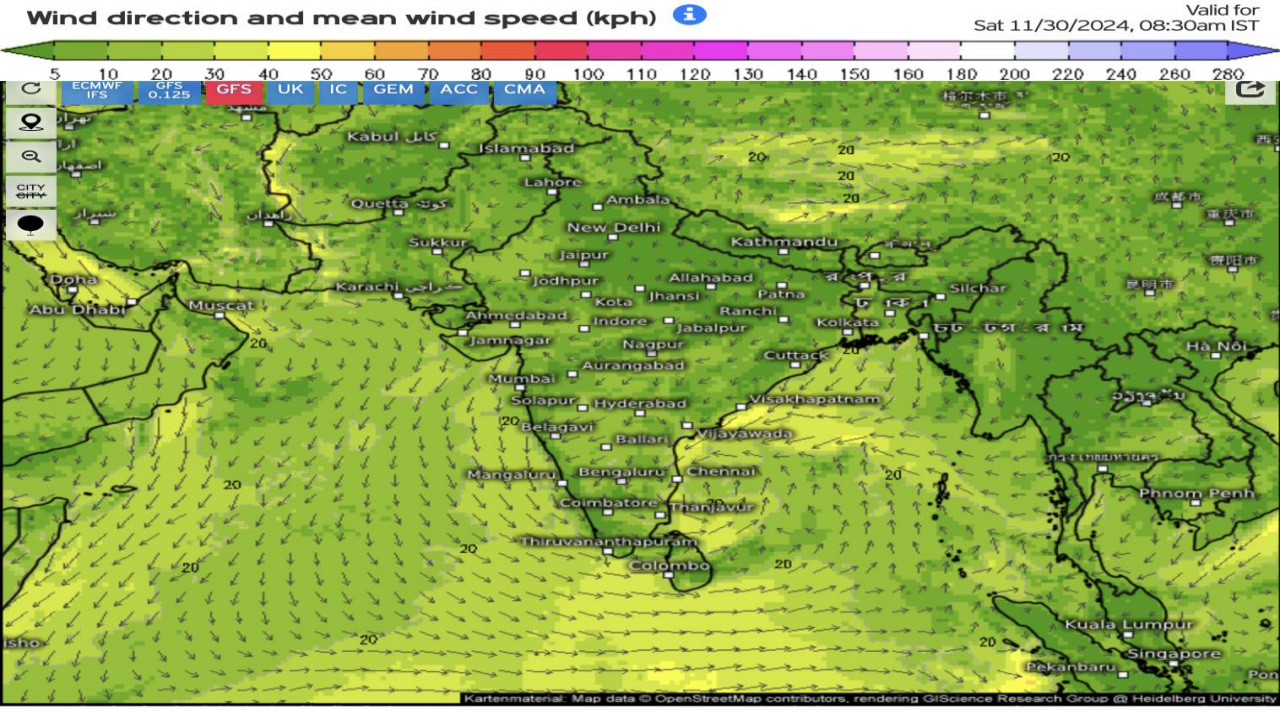
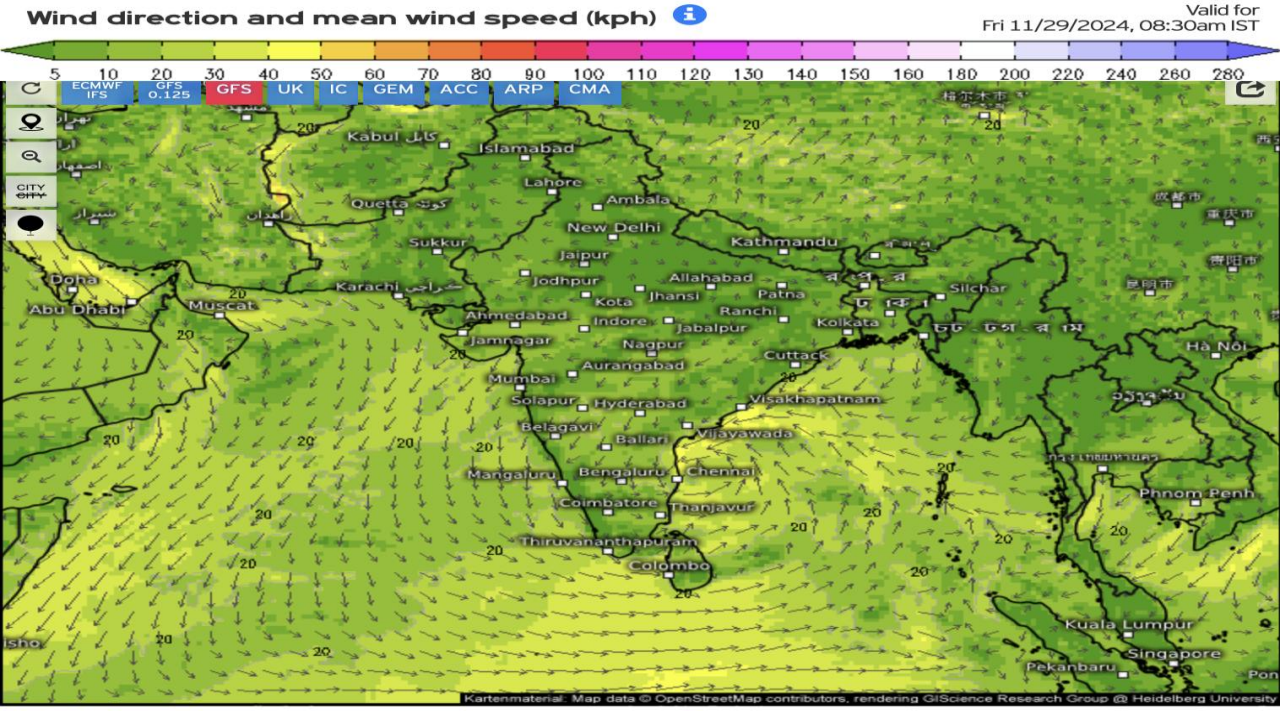
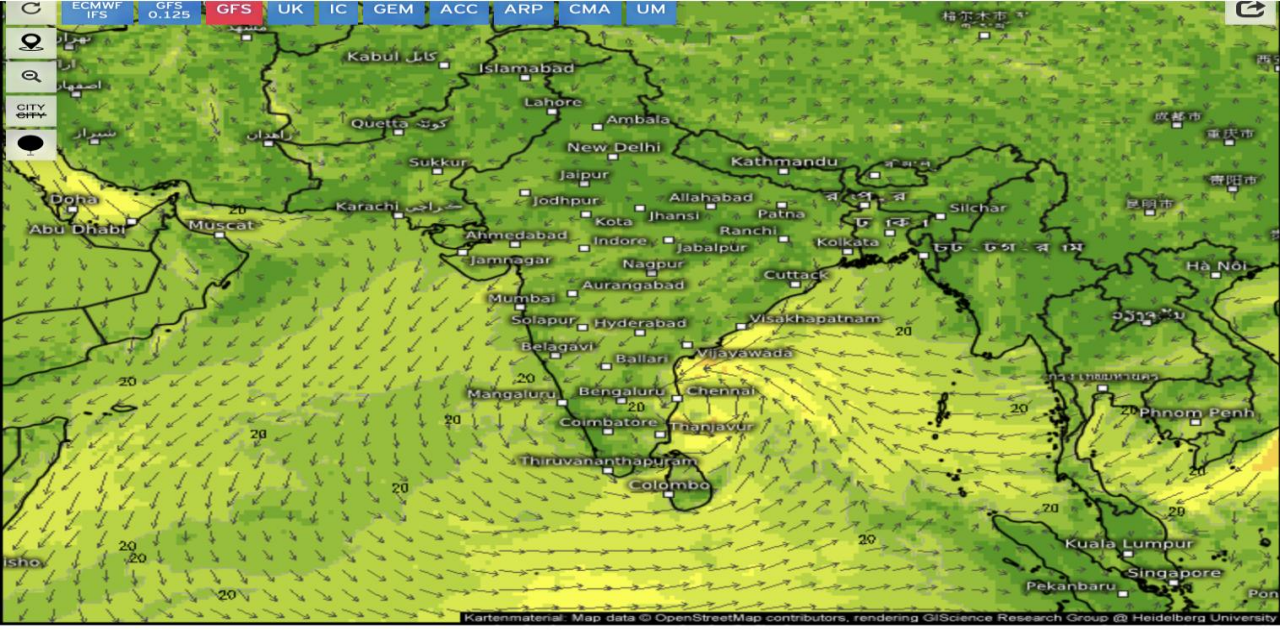
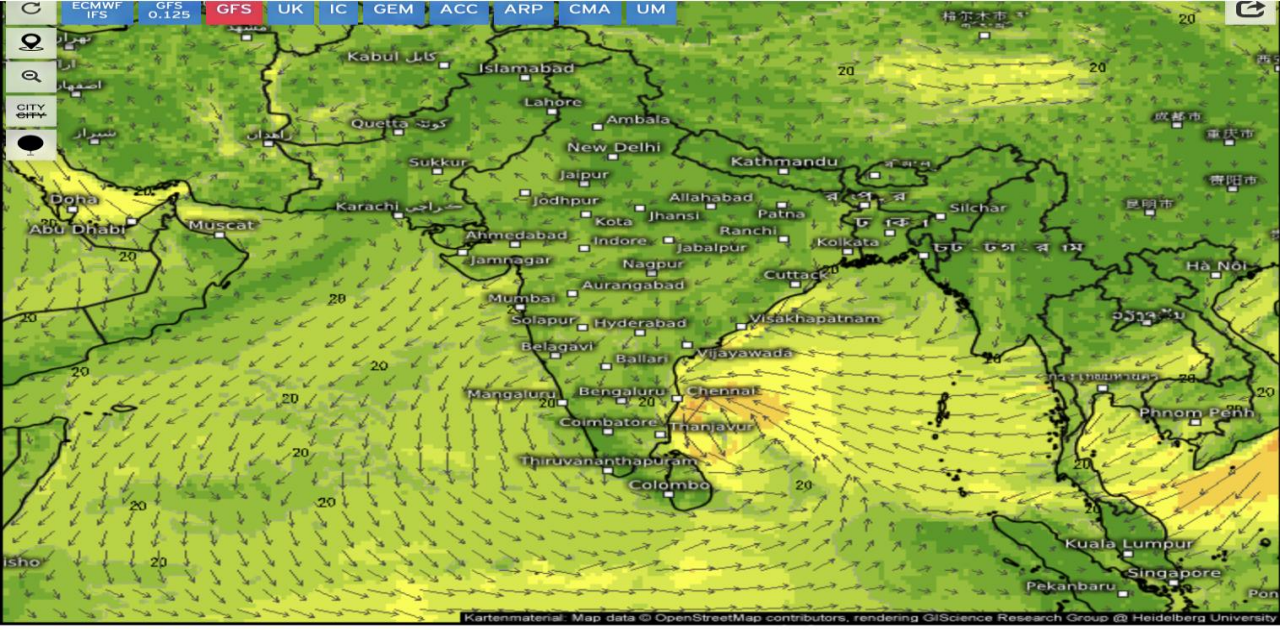
From Thu 11/28/2024, 05:30am IST
to Thu 12/05/2024, 05:30am IST

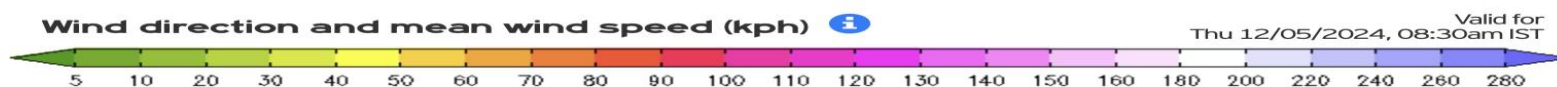
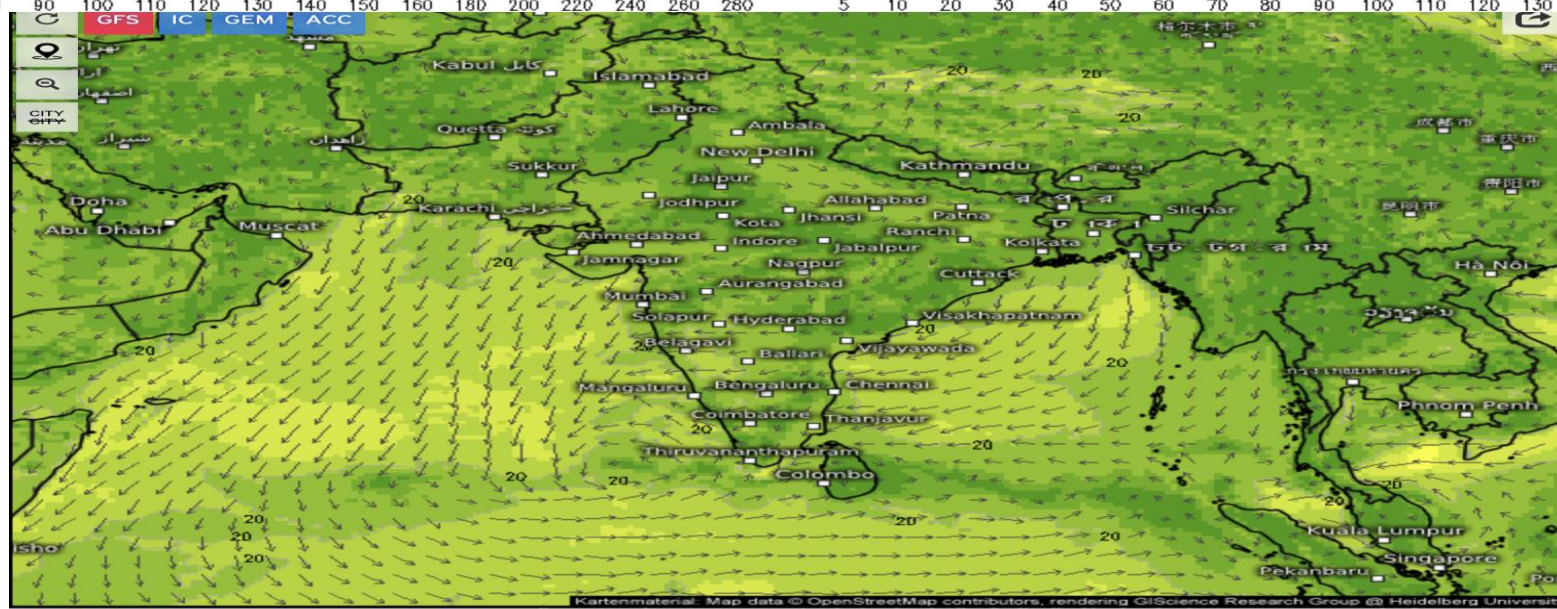
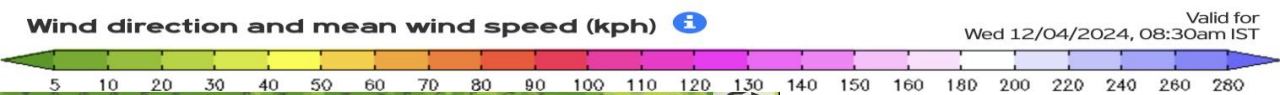
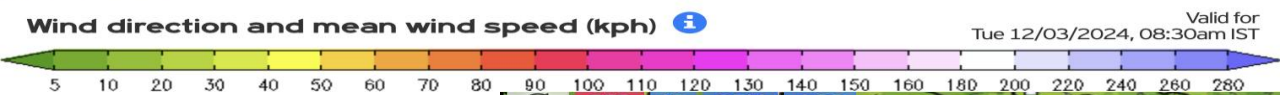
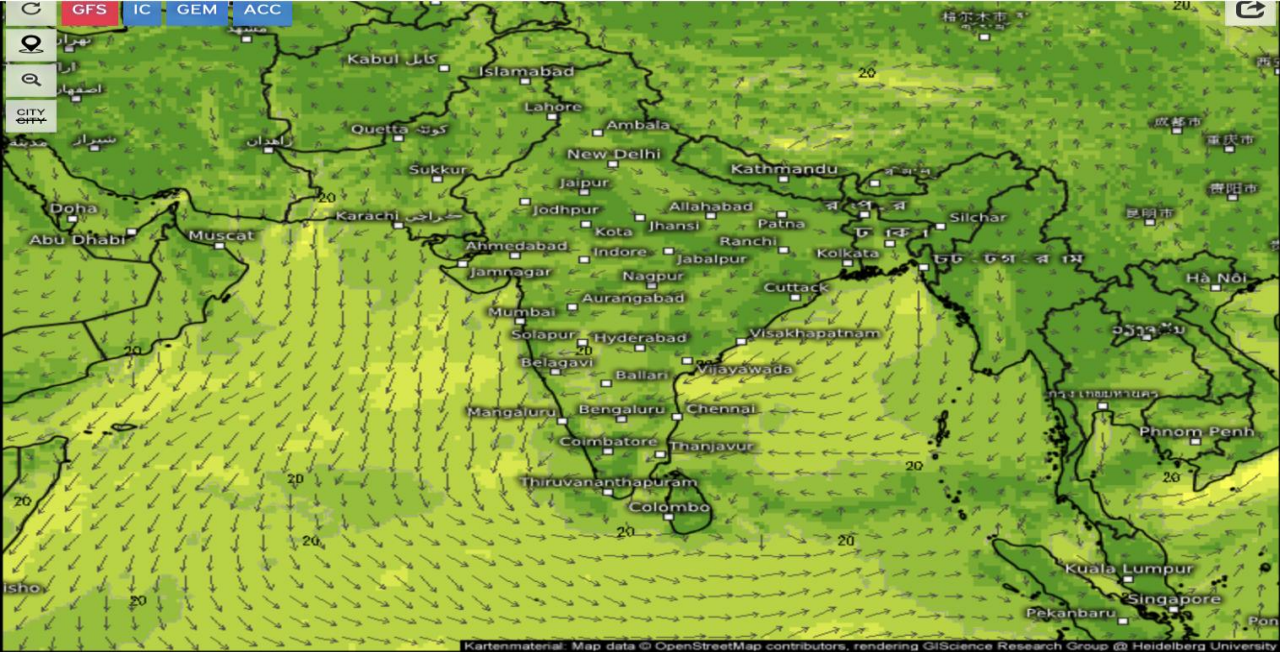
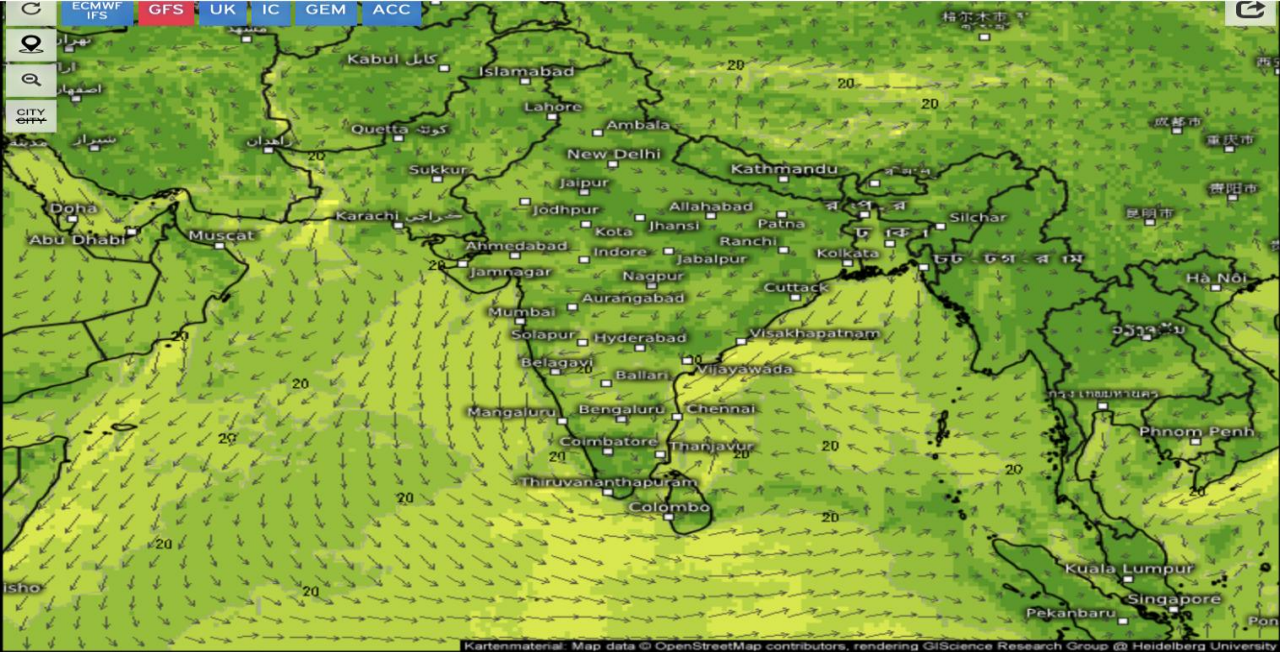


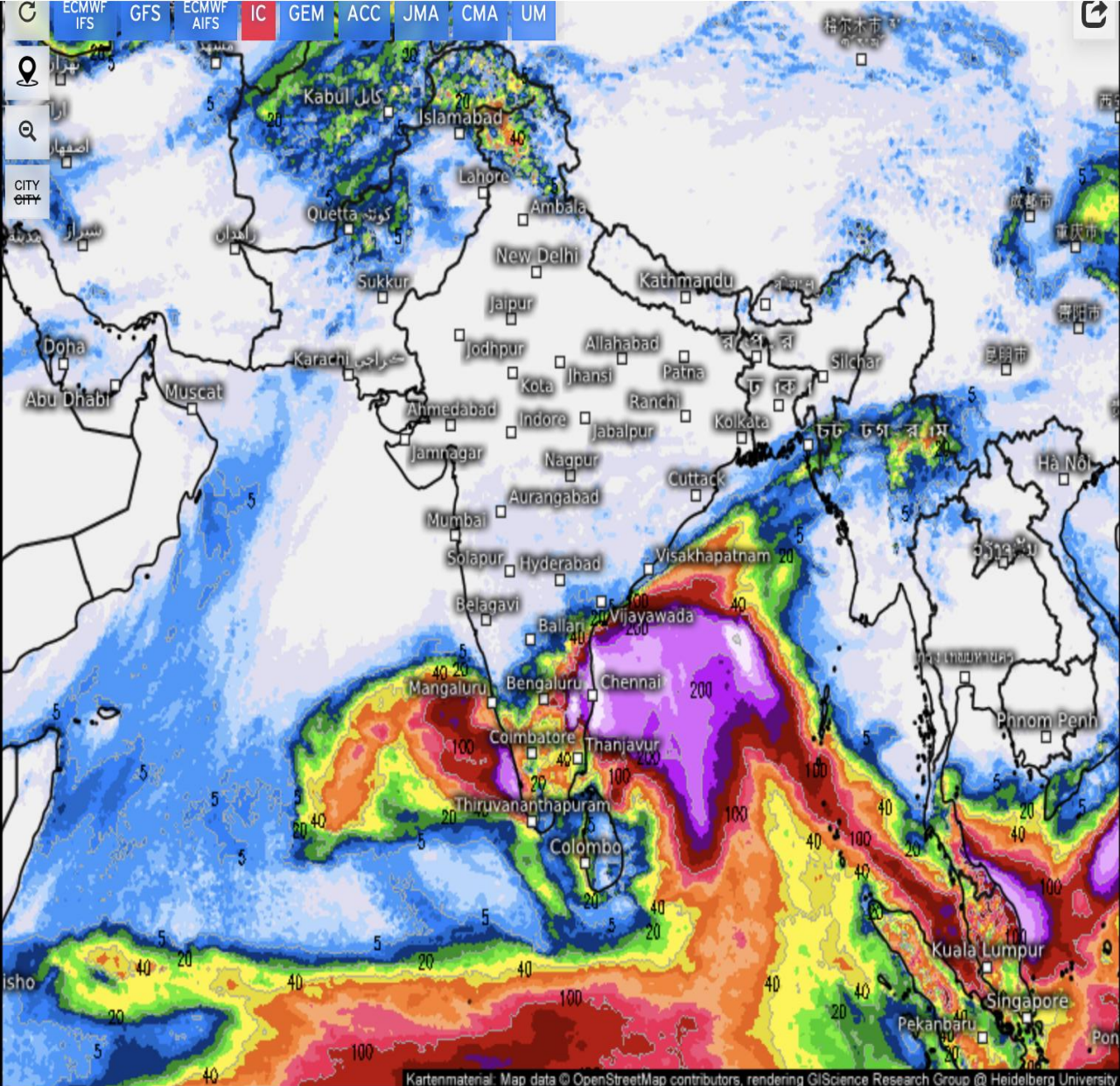
Accumulated total precipitation (mm) ⓘ

From Thu 11/28/2024, 05:30am IST
to Thu 12/05/2024, 05:30am IST



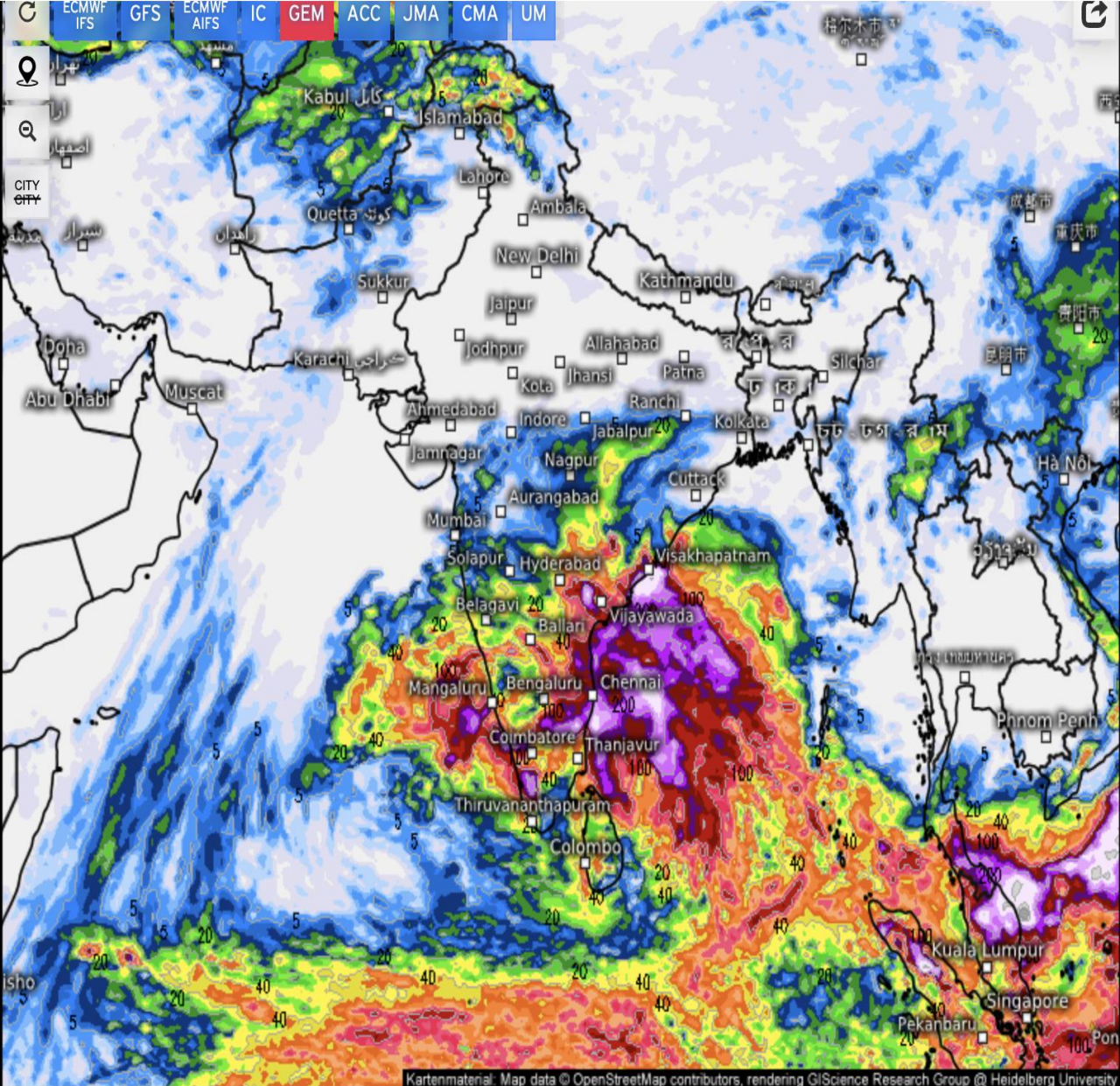
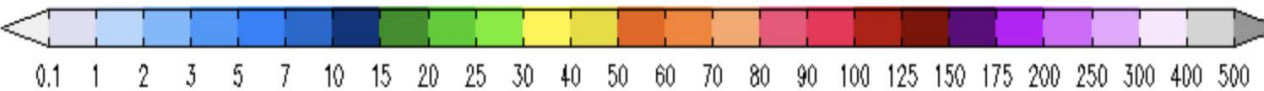






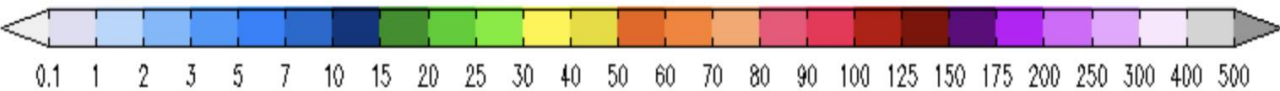
Accumulated total precipitation (mm) ⓘ

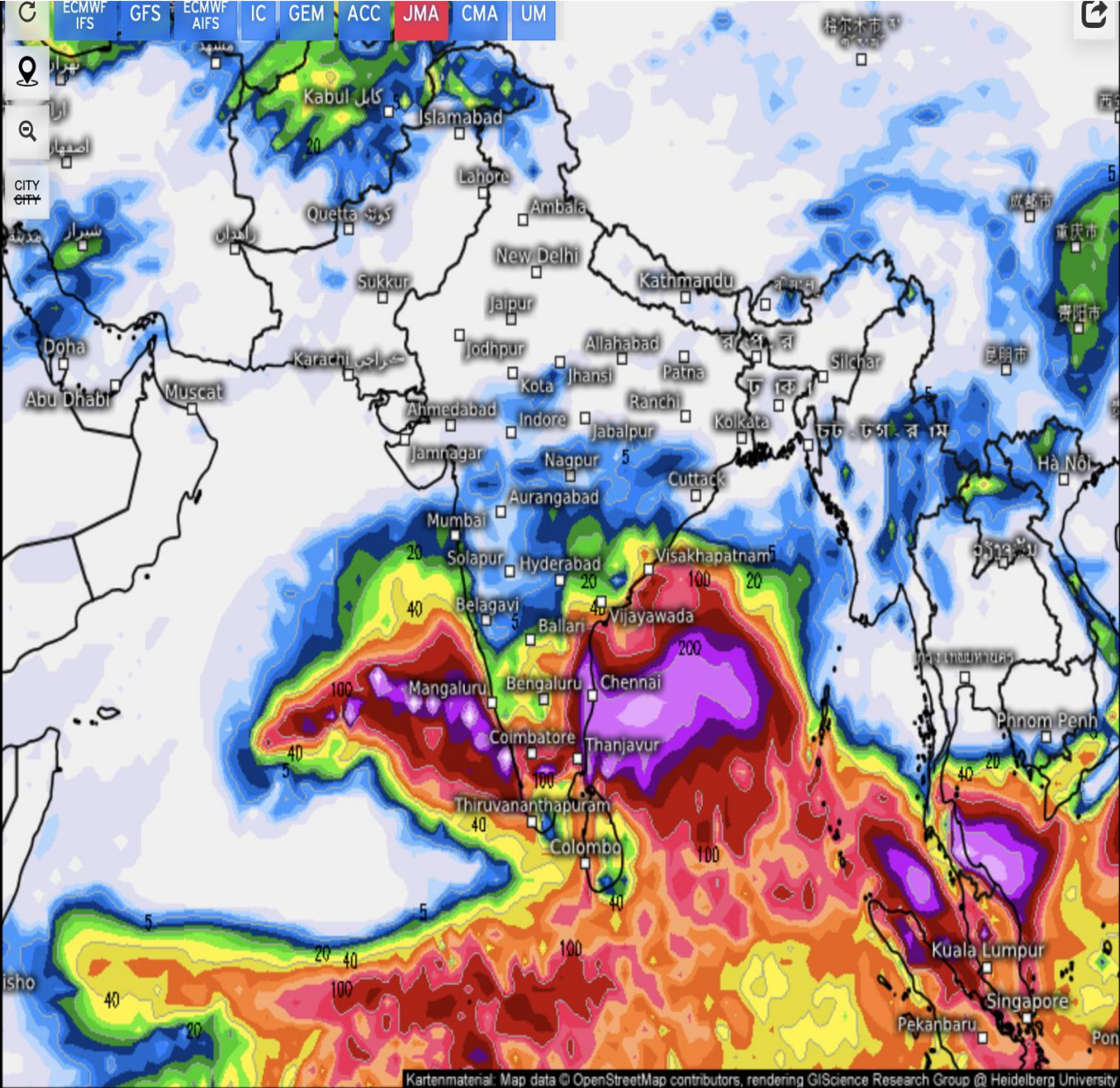
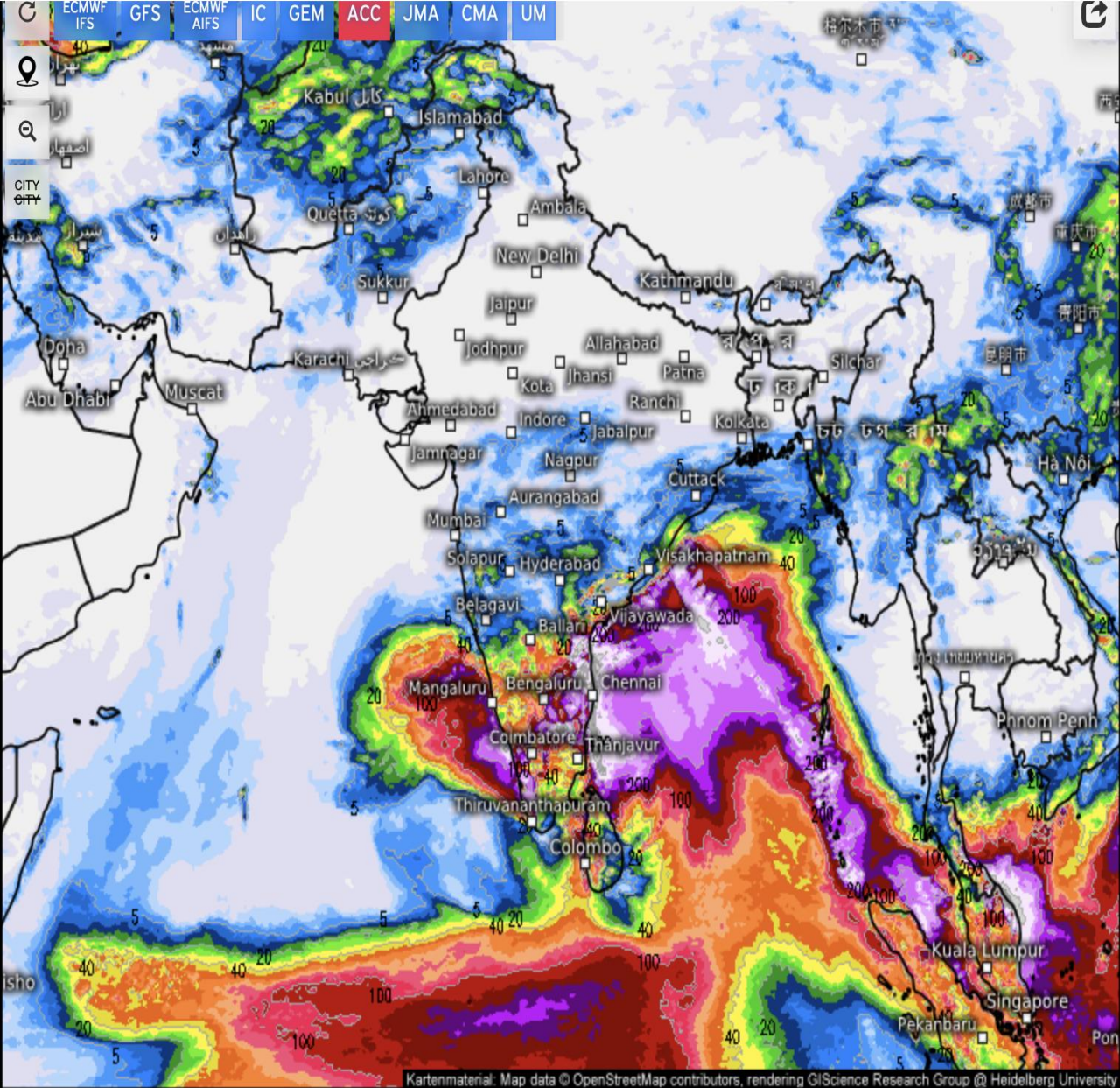
From Thu 11/28/2024, 05:30am IST
to Thu 12/05/2024, 05:30am IST



Accumulated total precipitation (mm) ⓘ

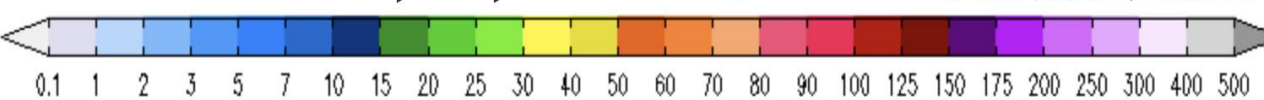
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to Thu 12/05/2024, 05:30am IST





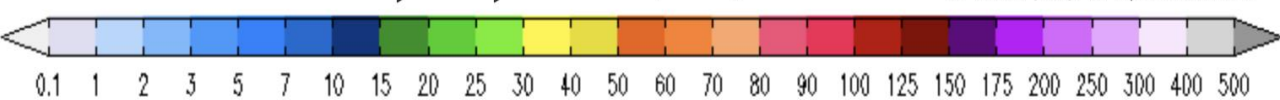
Accumulated total precipitation (mm) ⓘ

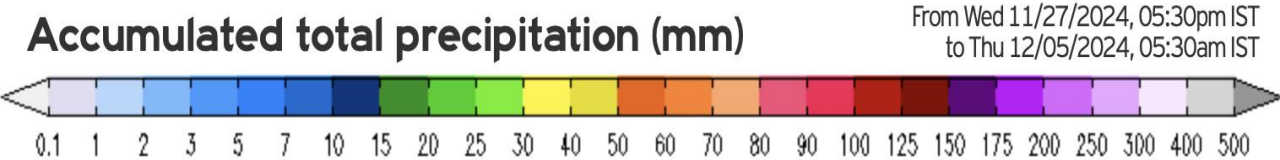
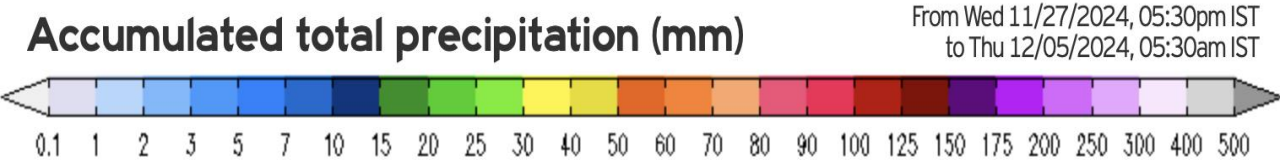
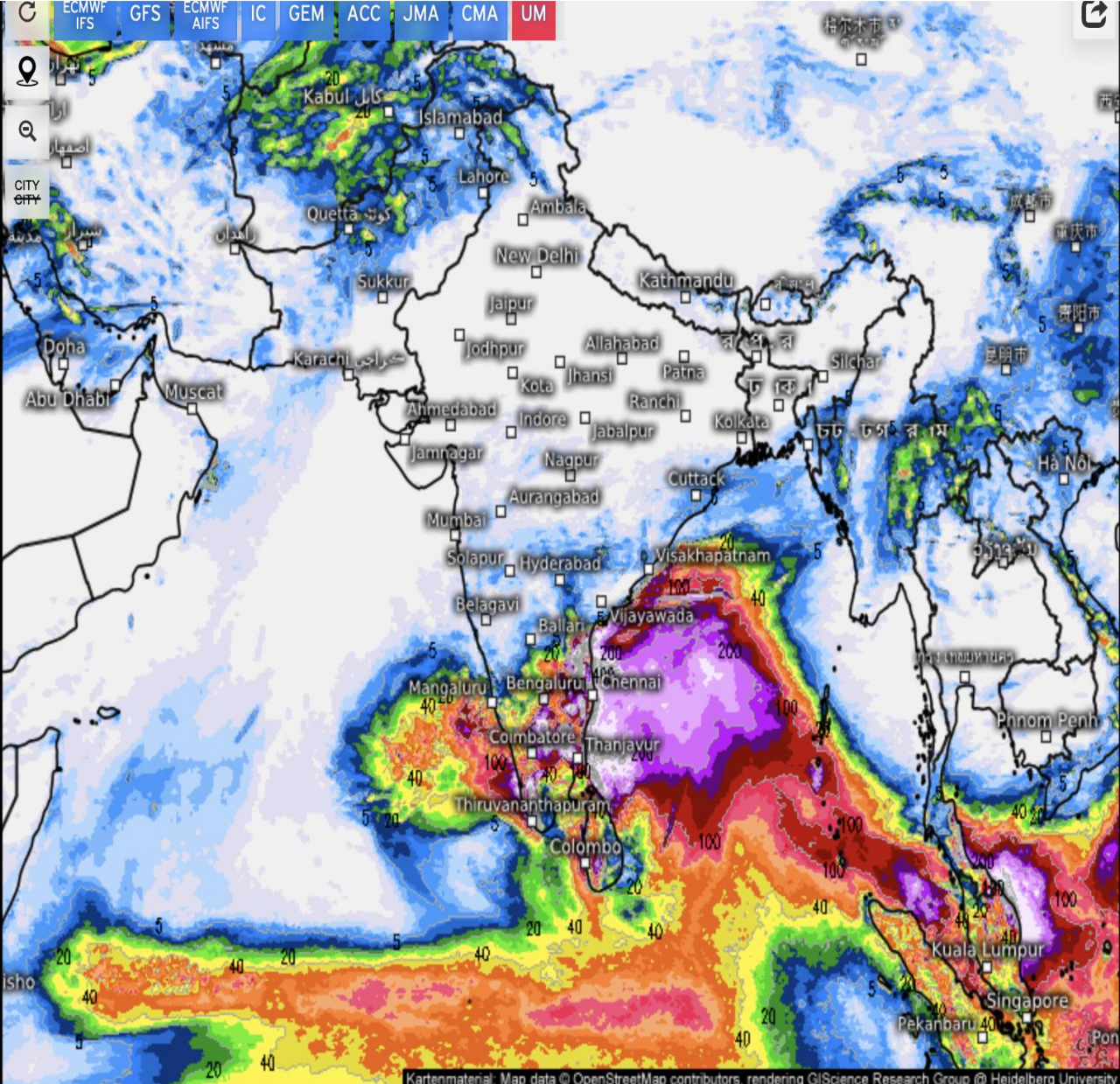
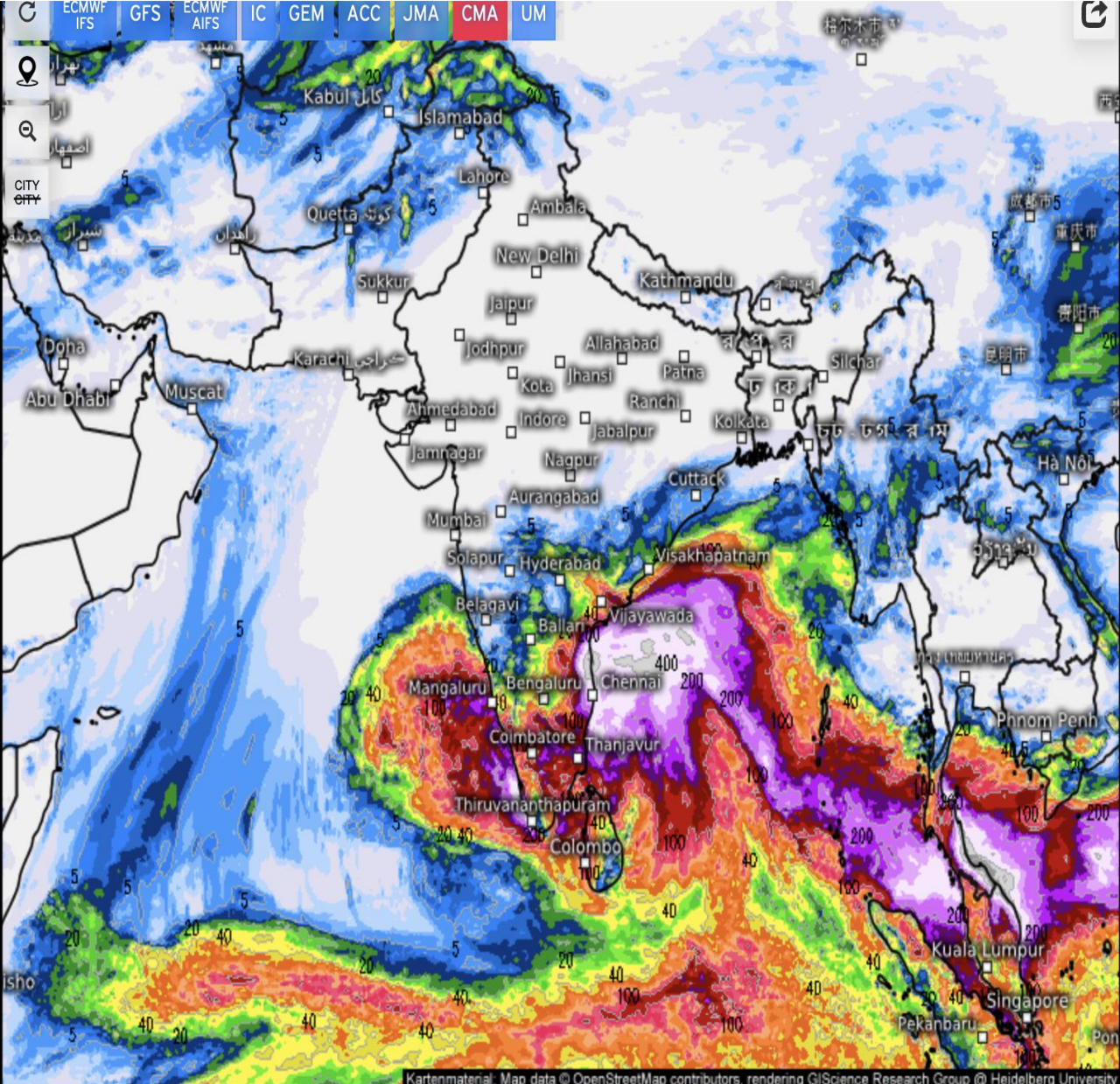
From Wed 11/27/2024, 05:30pm IST
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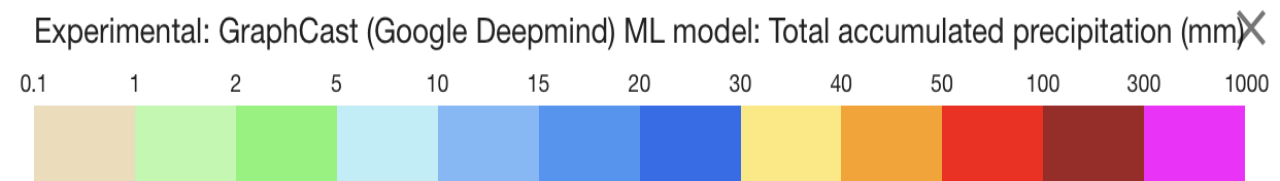
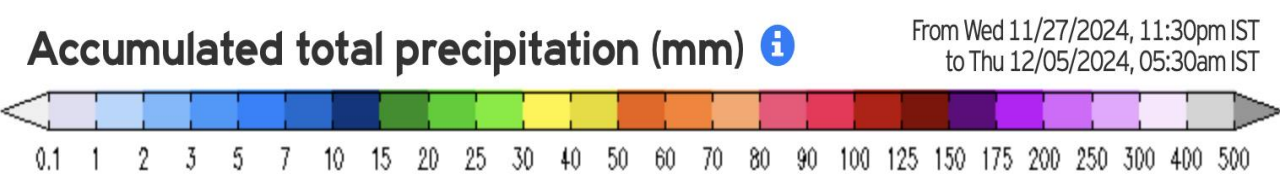
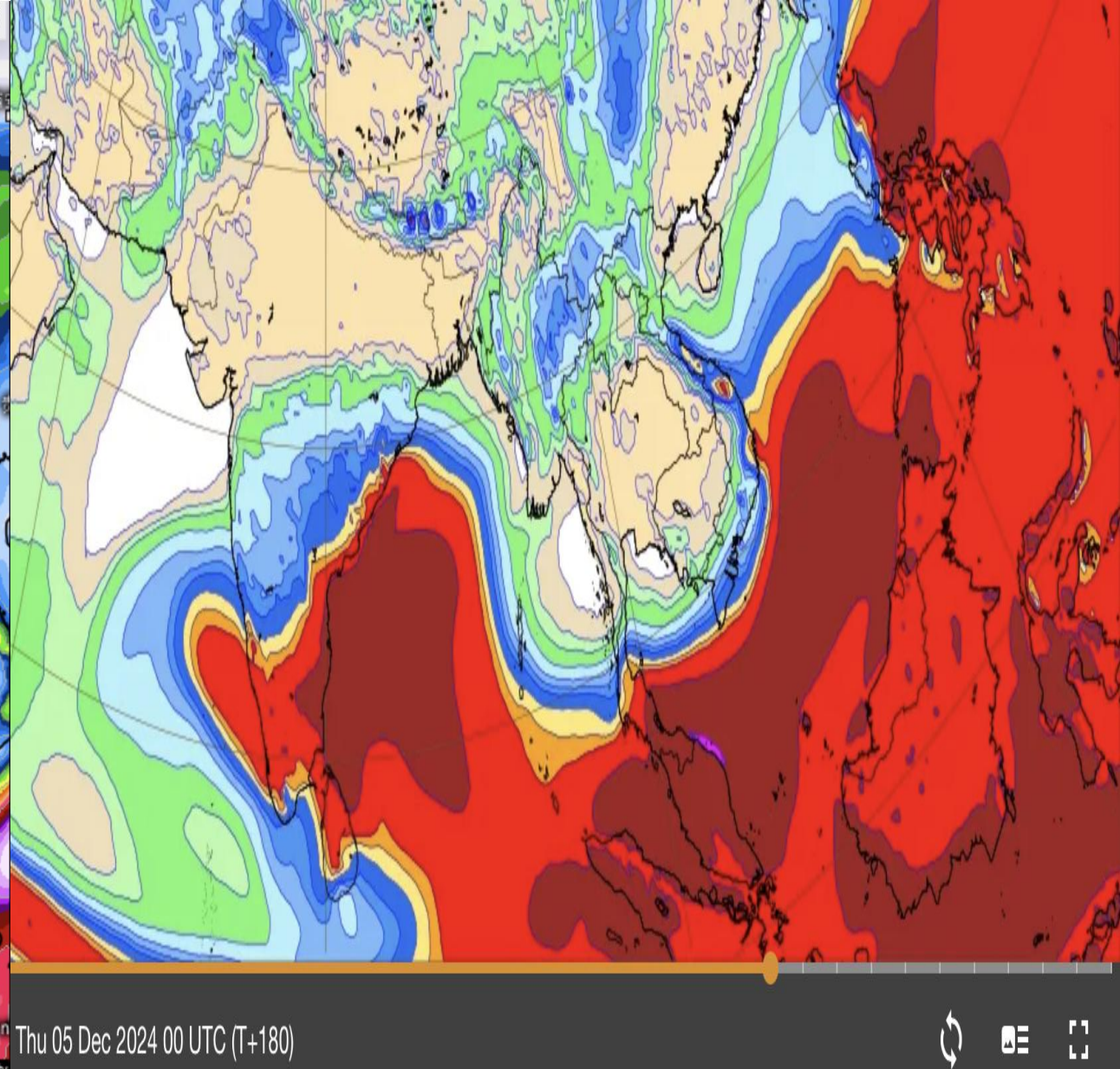
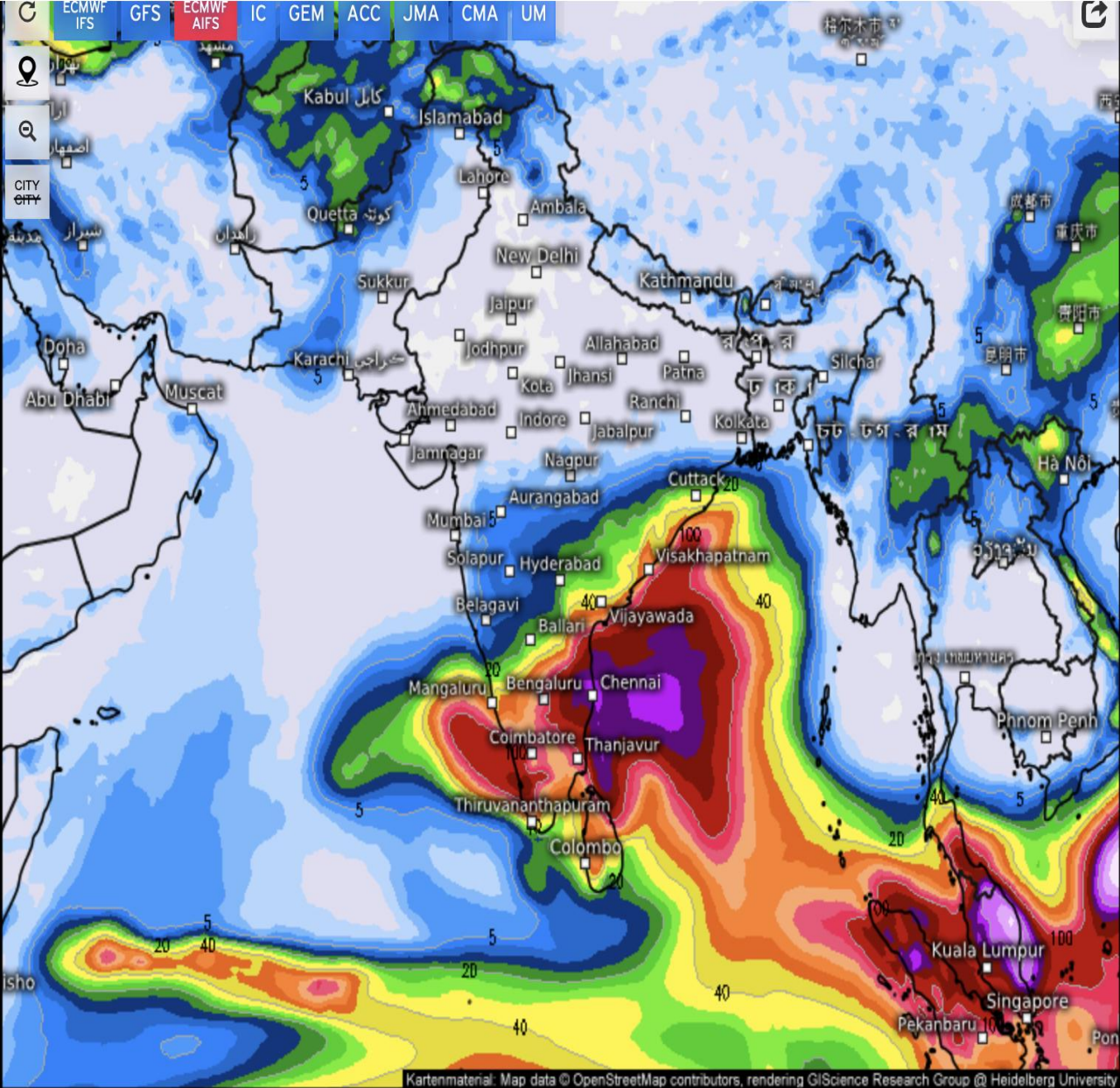


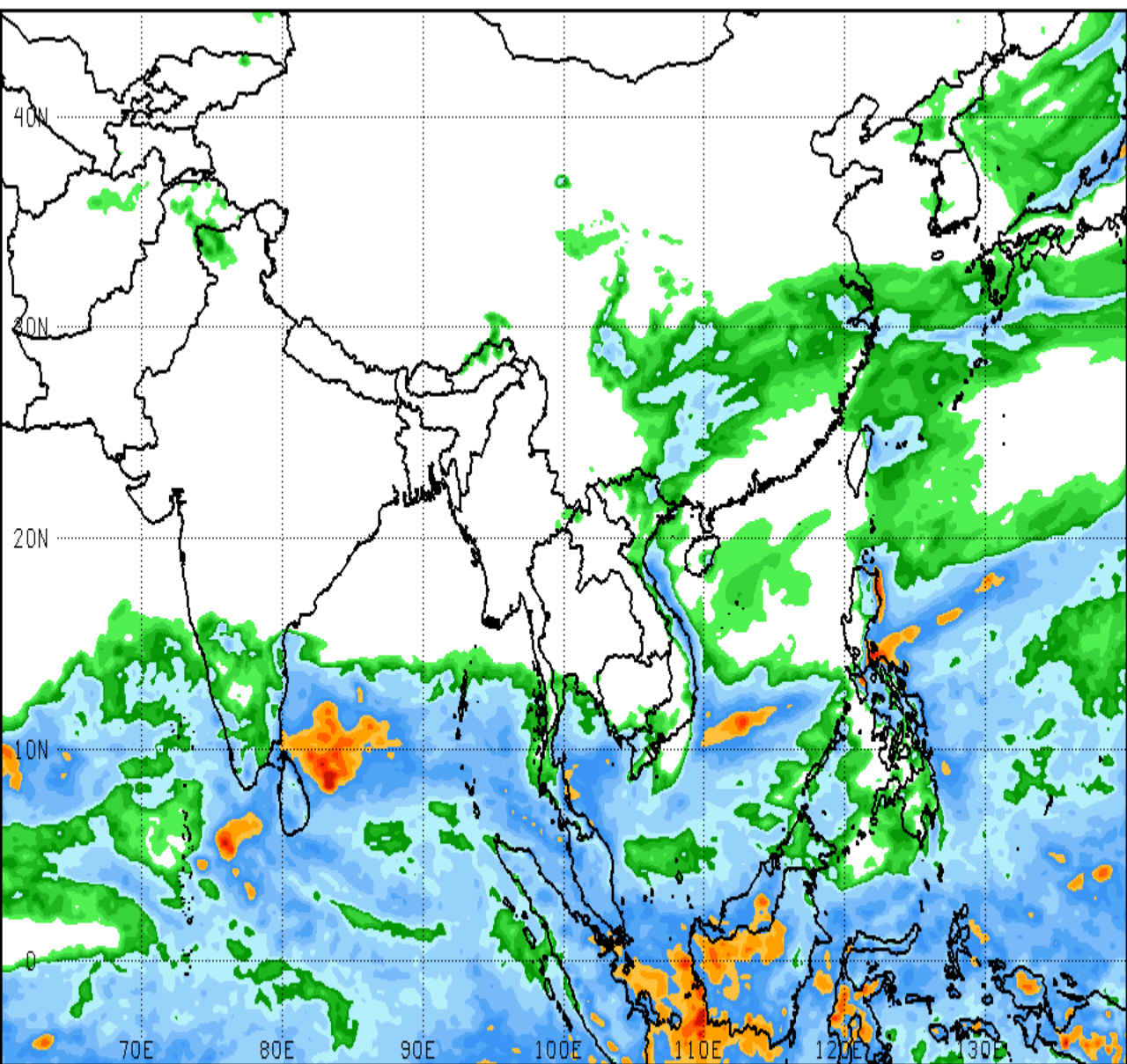
Accumulated total precipitation (mm)

From Wed 11/27/2024, 05:30pm IST
to Thu 12/05/2024, 05:30am IST

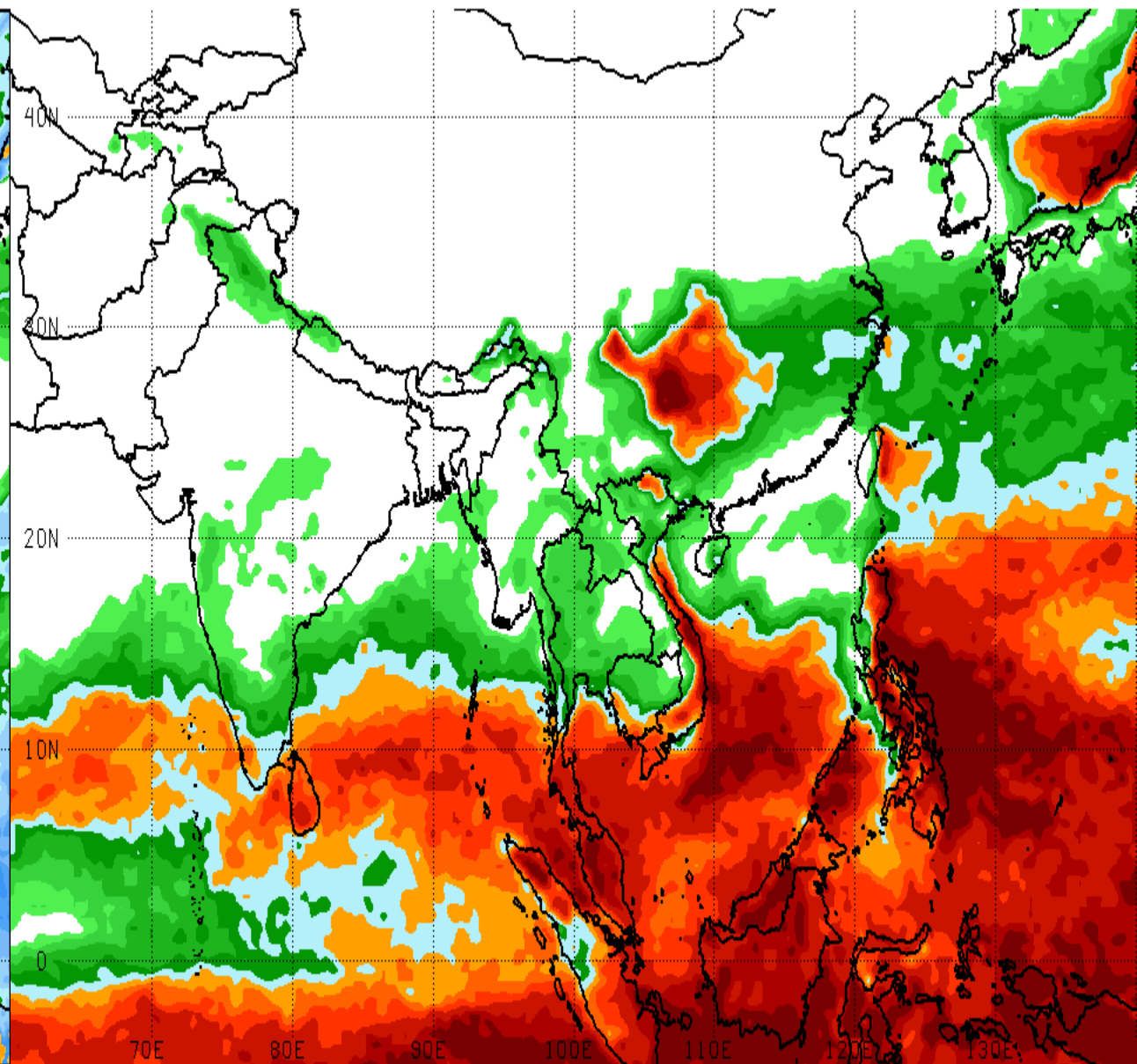
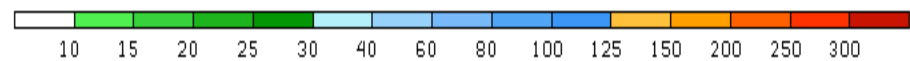




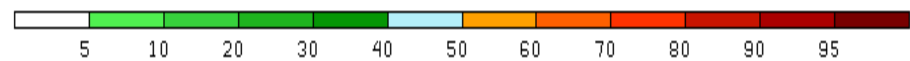


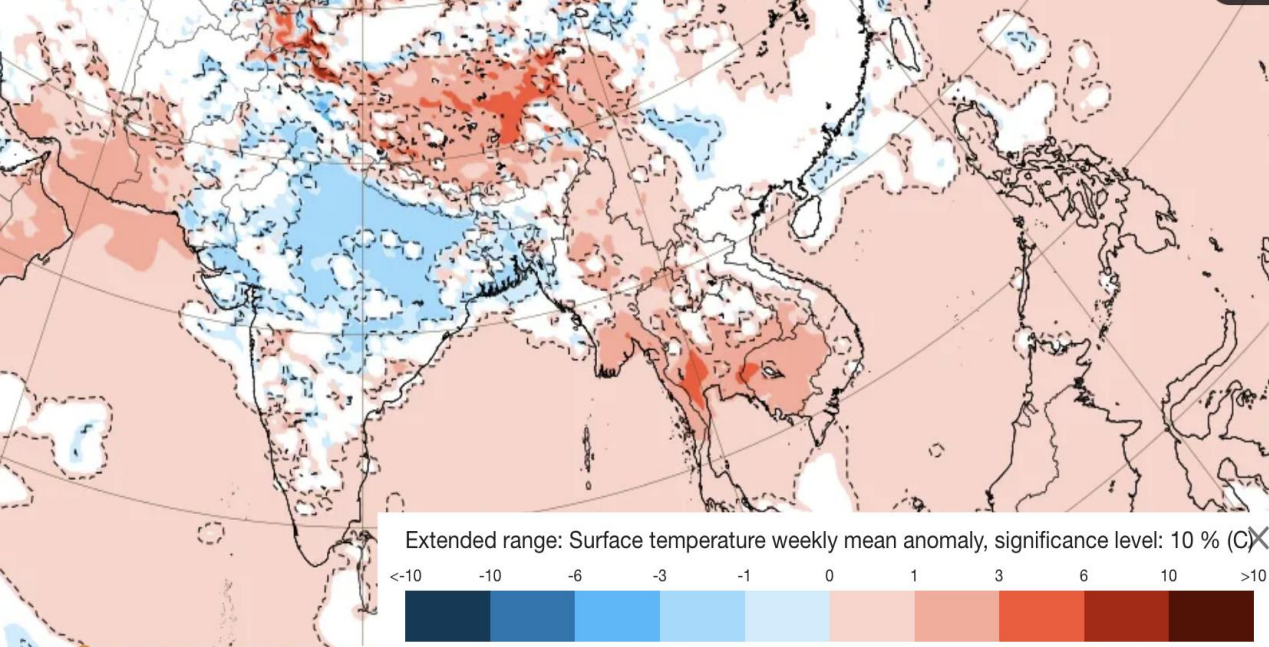


NOAA GFS 20241127 t18z cycle FCST week2 Total Precip (mm) VALID 2024121118Z

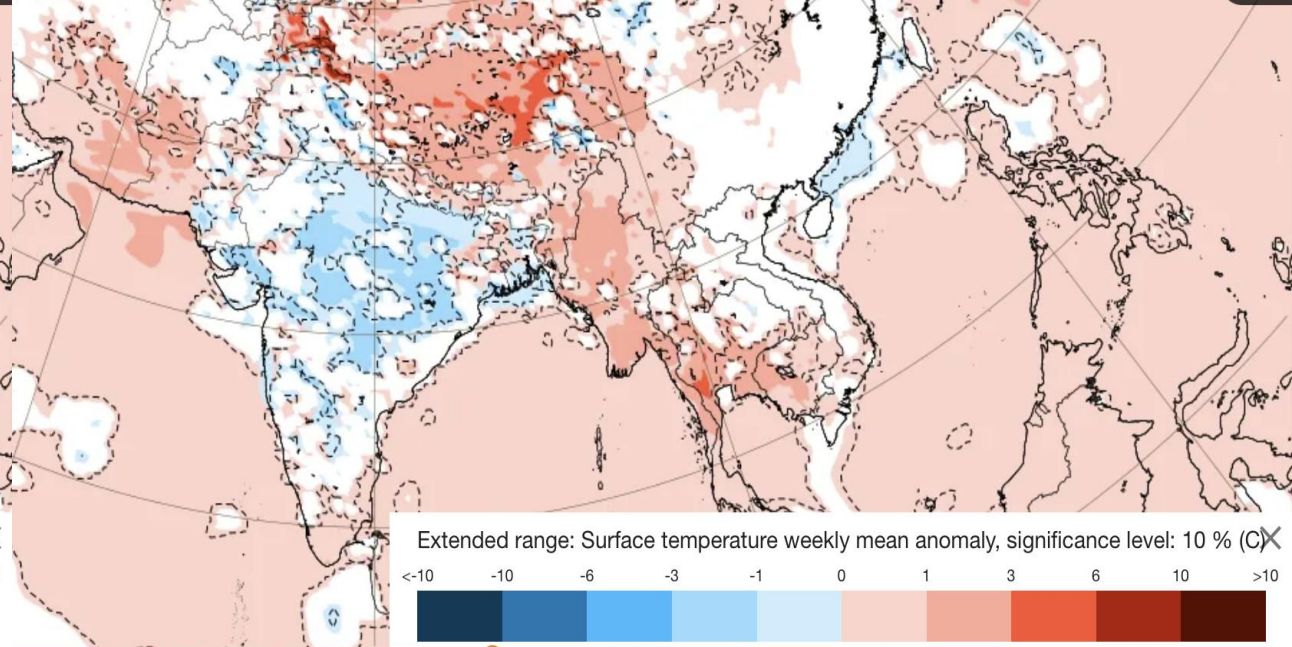


NOAA GFS 20241127 00zCYC FCST Probability of Week2 Precip > 25mm VALID 20241211/1800V336

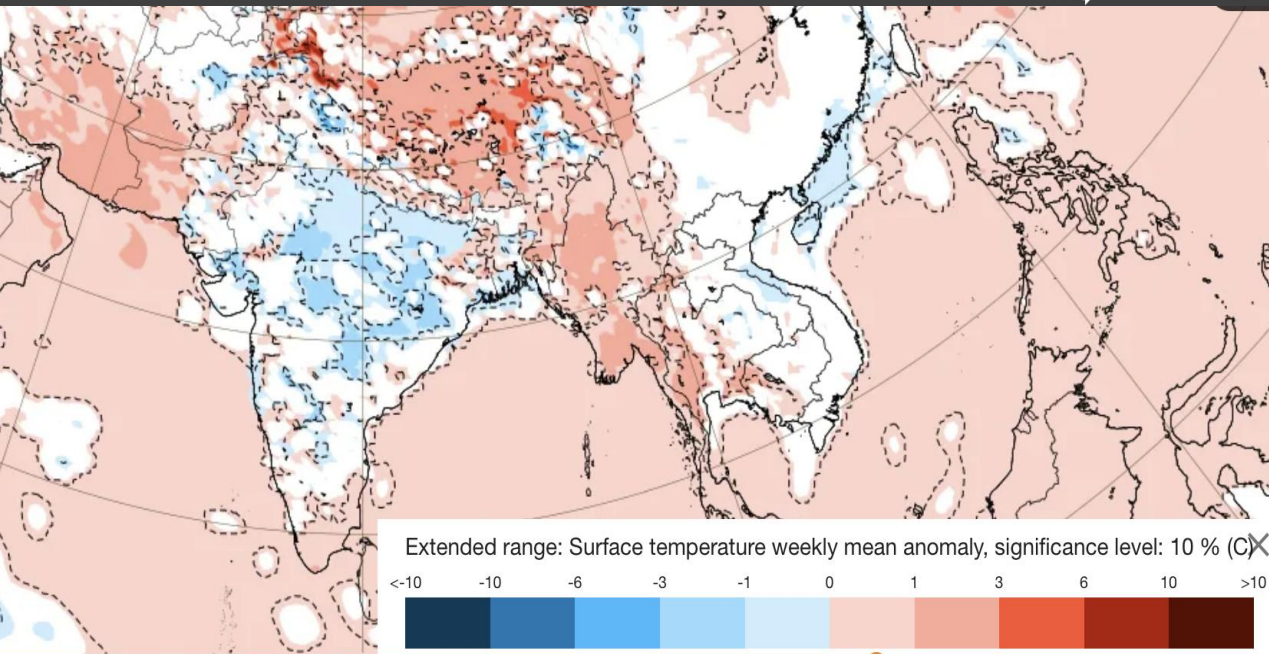




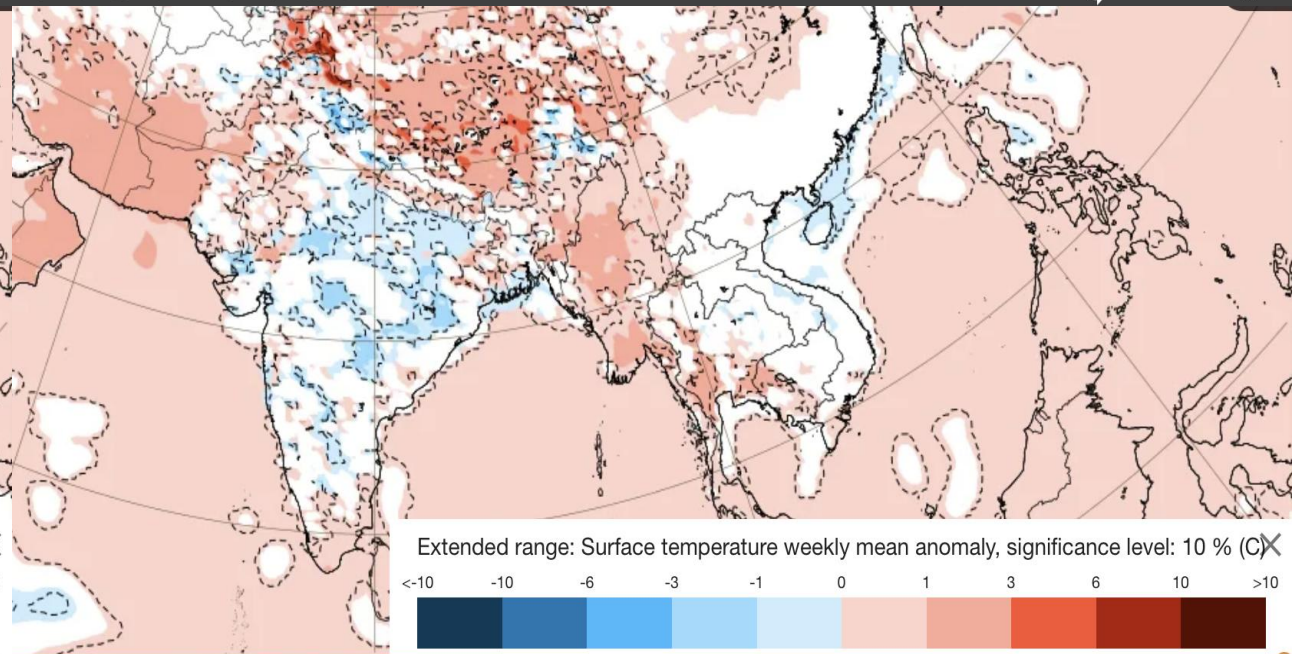
Mon 09 Dec 2024 - Mon 16 Dec 2024



Mon 16 Dec 2024 - Mon 23 Dec 2024

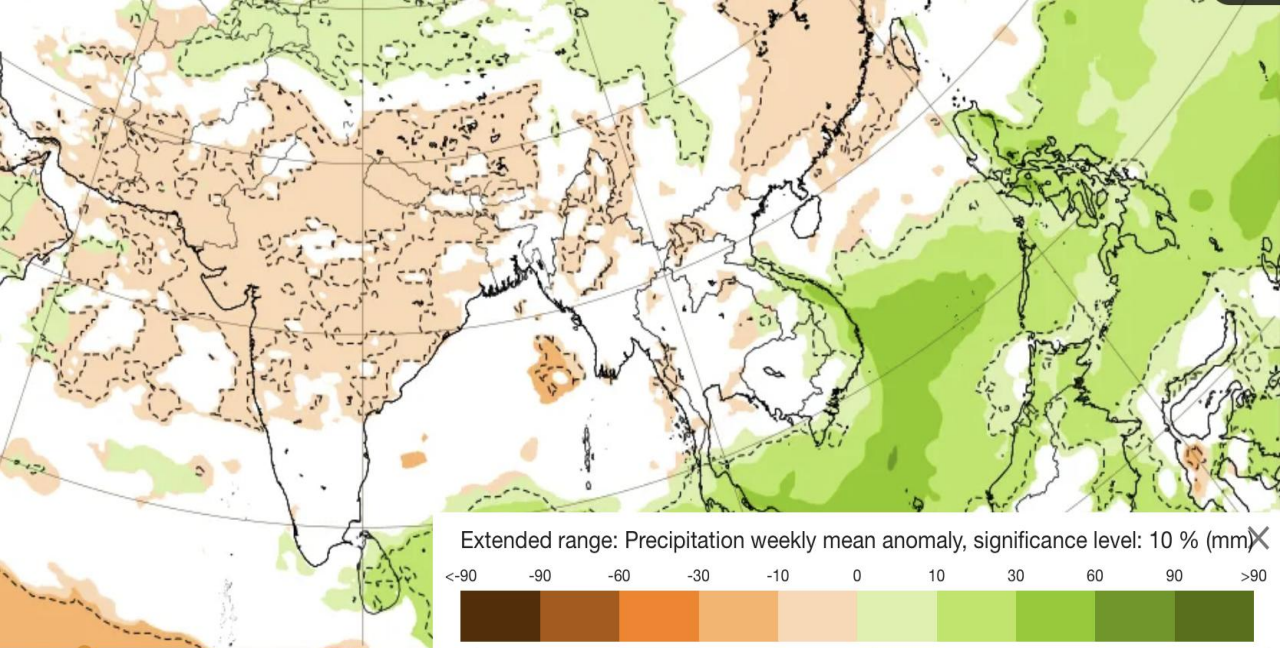


Mon 23 Dec 2024 - Mon 30 Dec 2024

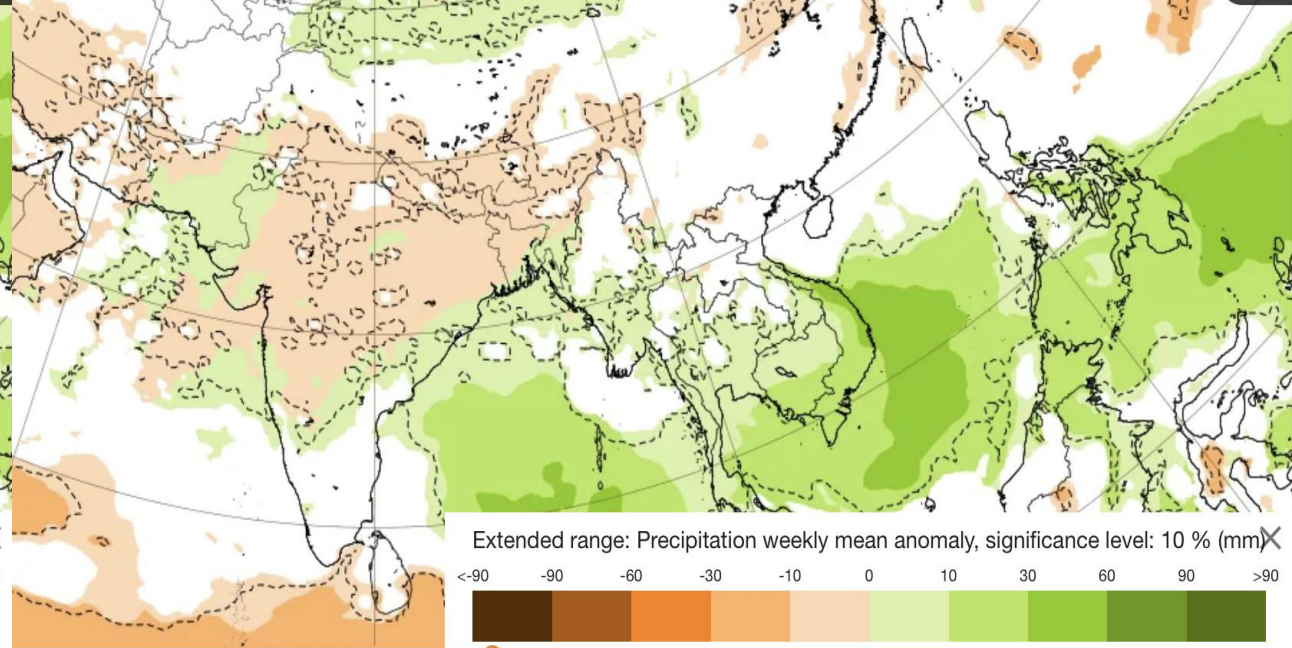


Mon 30 Dec 2024 - Mon 06 Jan 2025

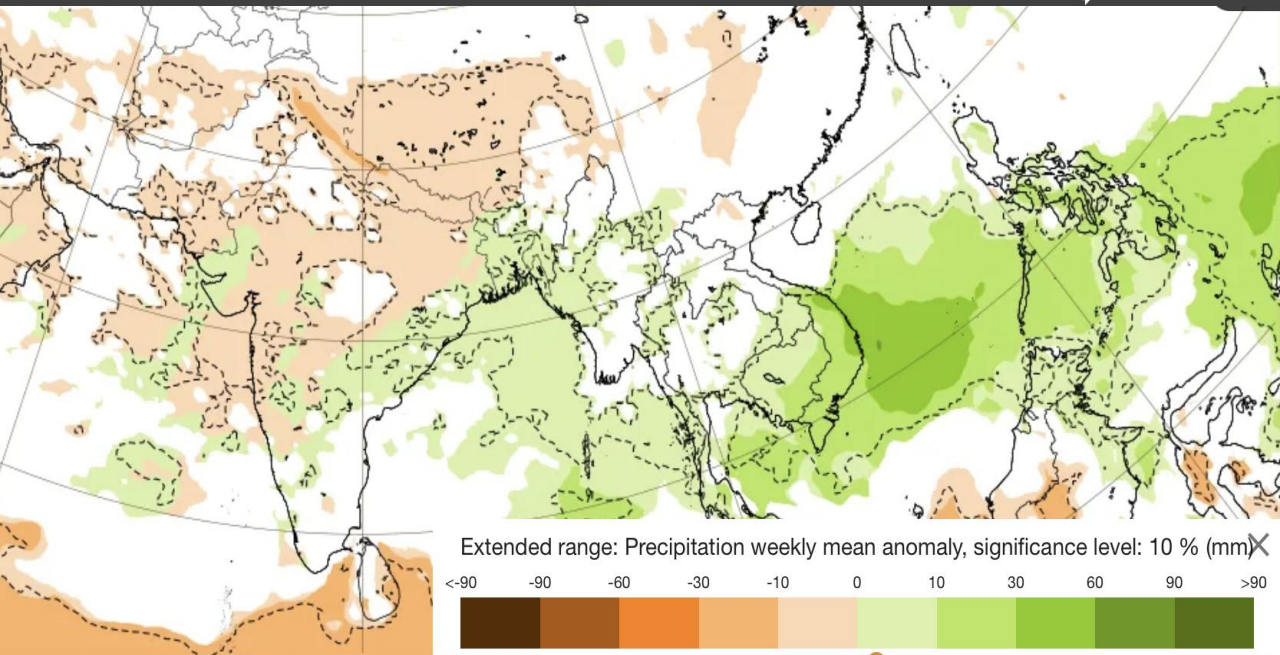




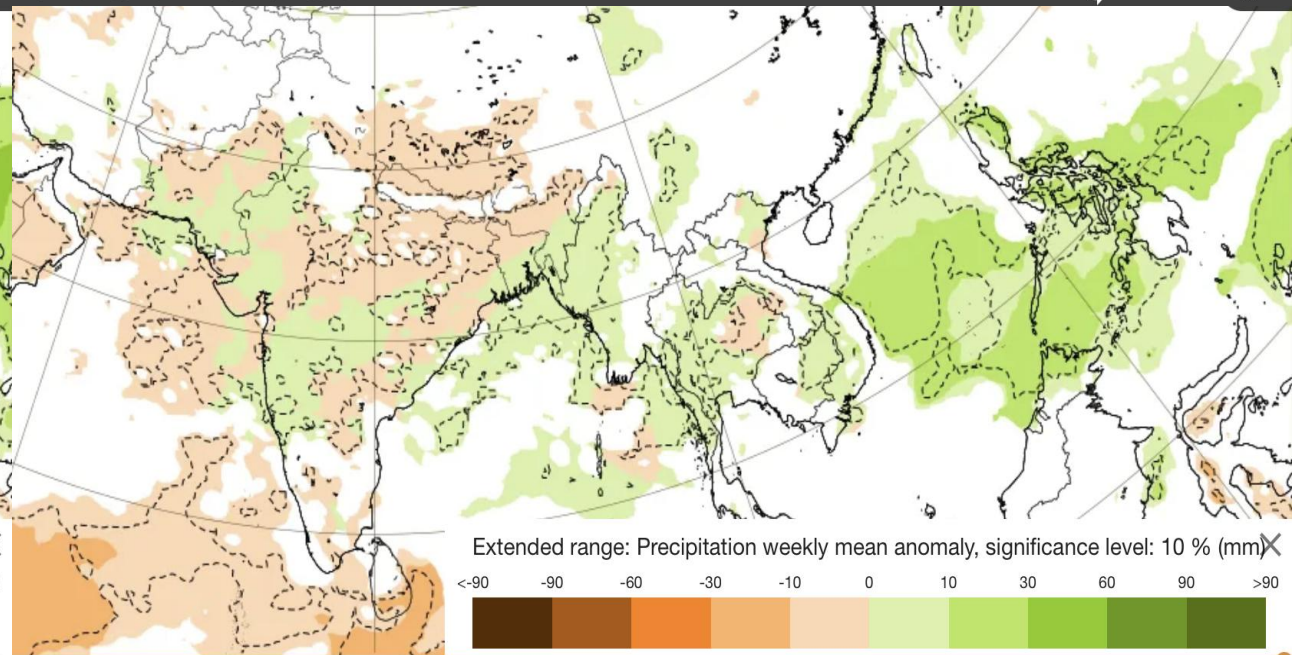
Mon 09 Dec 2024 - Mon 16 Dec 2024



Mon 16 Dec 2024 - Mon 23 Dec 2024

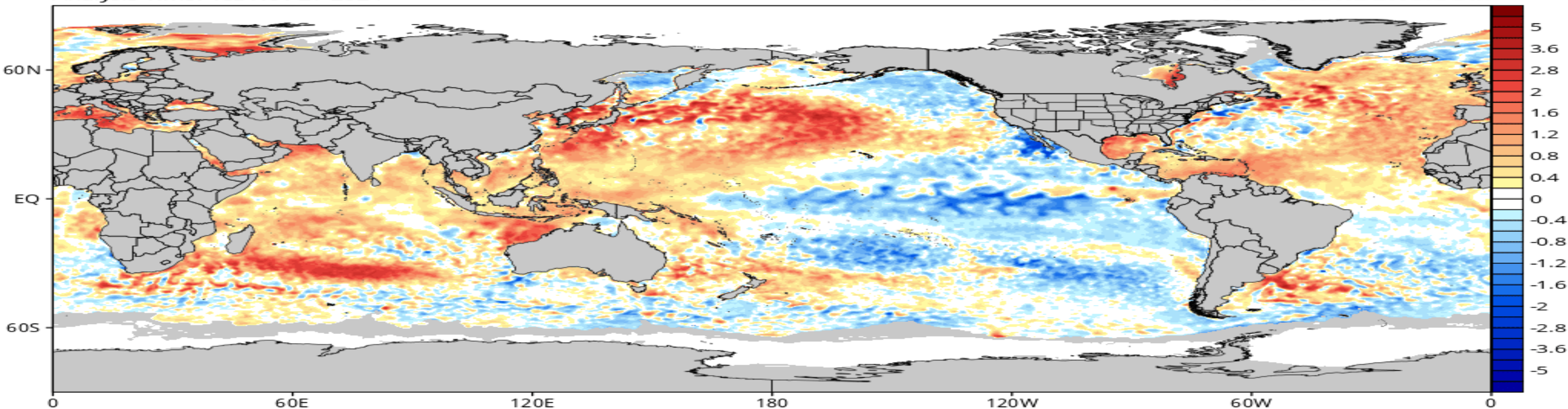


Mon 23 Dec 2024 - Mon 30 Dec 2024

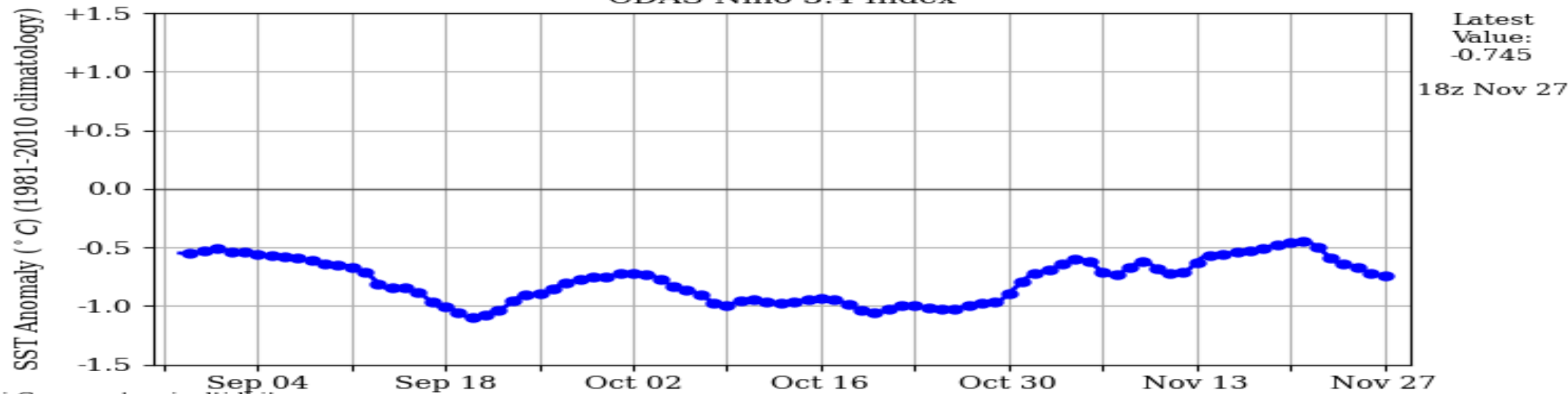


Mon 30 Dec 2024 - Mon 06 Jan 2025

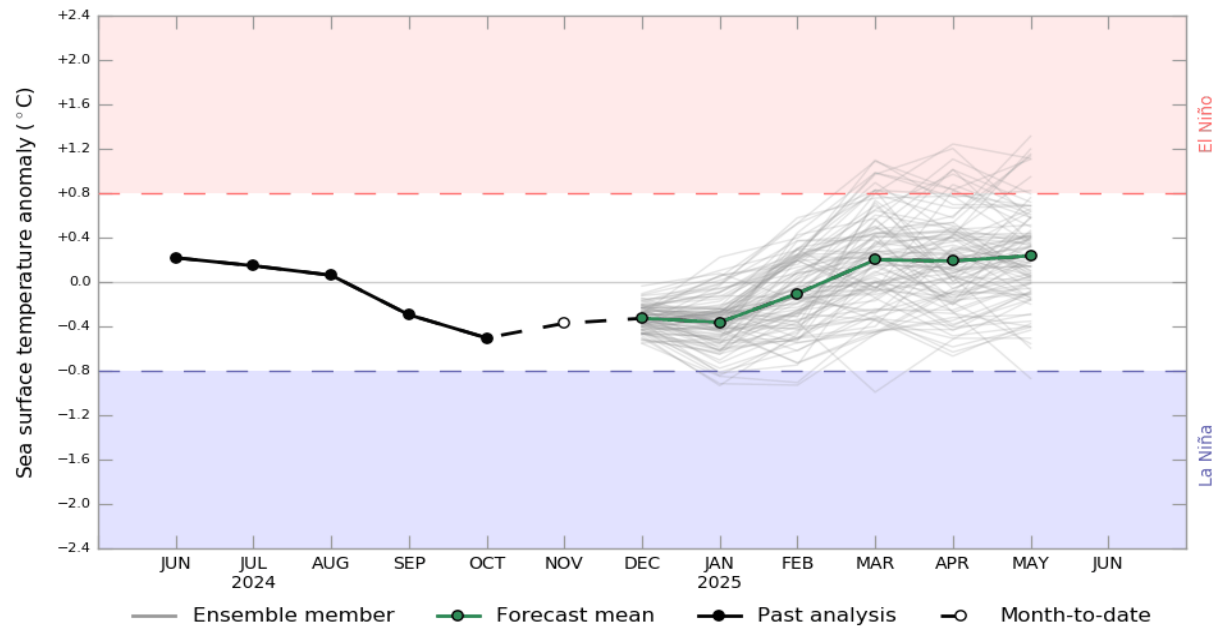




CDAS Niño 3.4 Index



Niño3.4 index

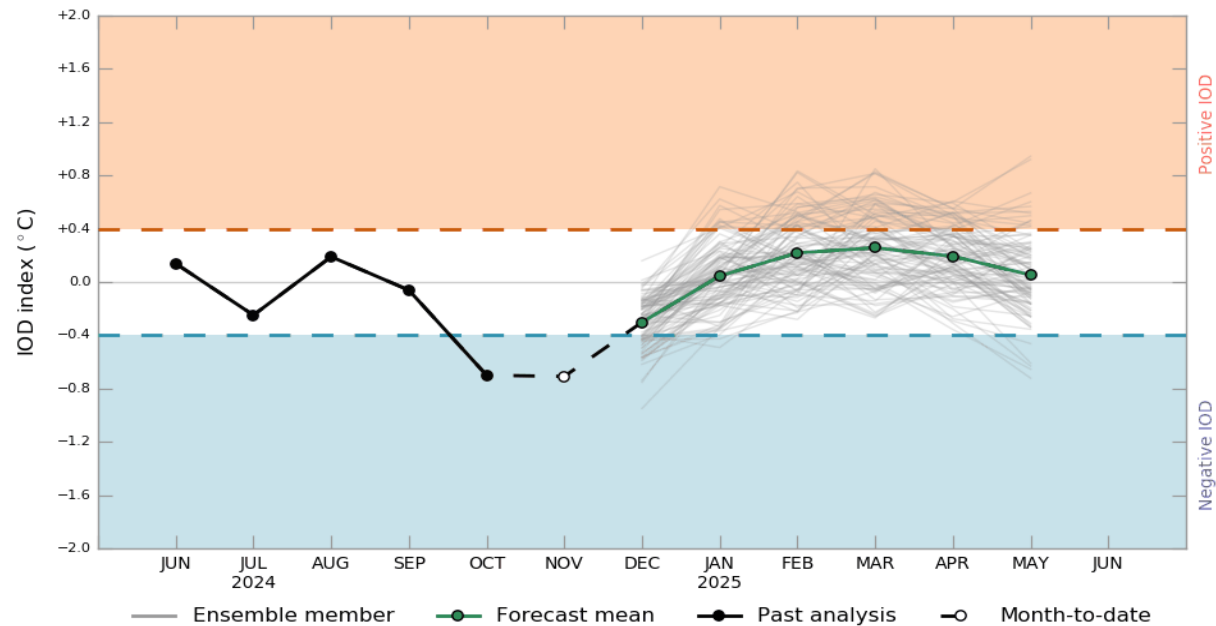


www.bom.gov.au/climate
Commonwealth of Australia 2024, Australian Bureau of Meteorology

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

Model: ACCESS-S2
Model run: 23 Nov 2024

IOD index

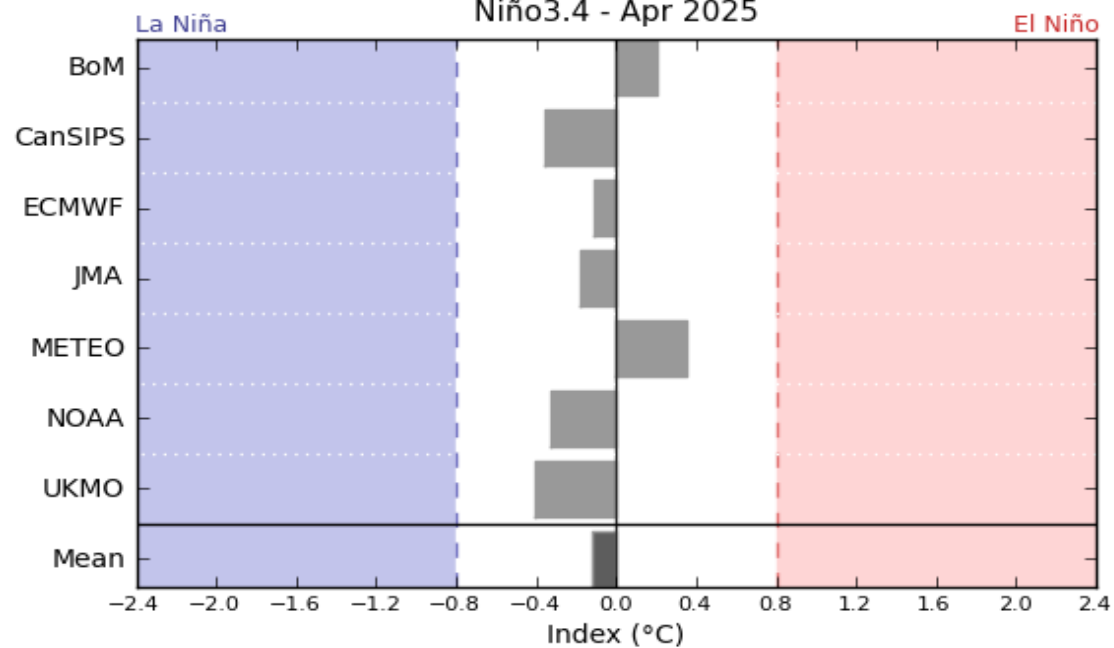


www.bom.gov.au/climate
Commonwealth of Australia 2024, Australian Bureau of Meteorology

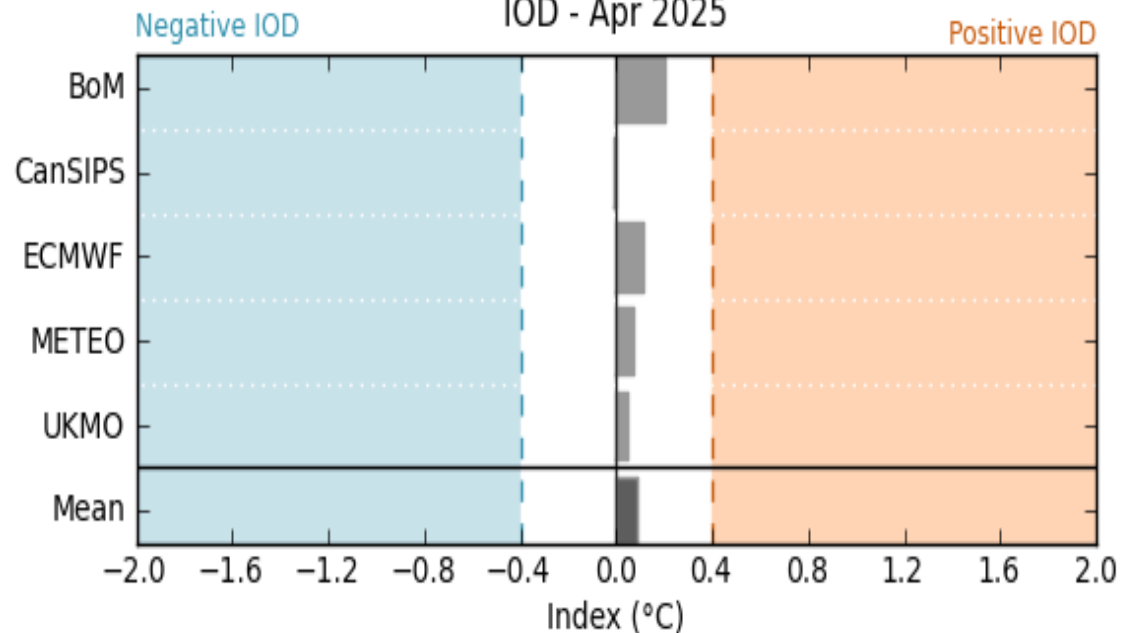
Past analysis base period: 1991-2020
Forecast base period: 1981-2018

Model: ACCESS-S2
Model run: 23 Nov 2024

Niño3.4 - Apr 2025



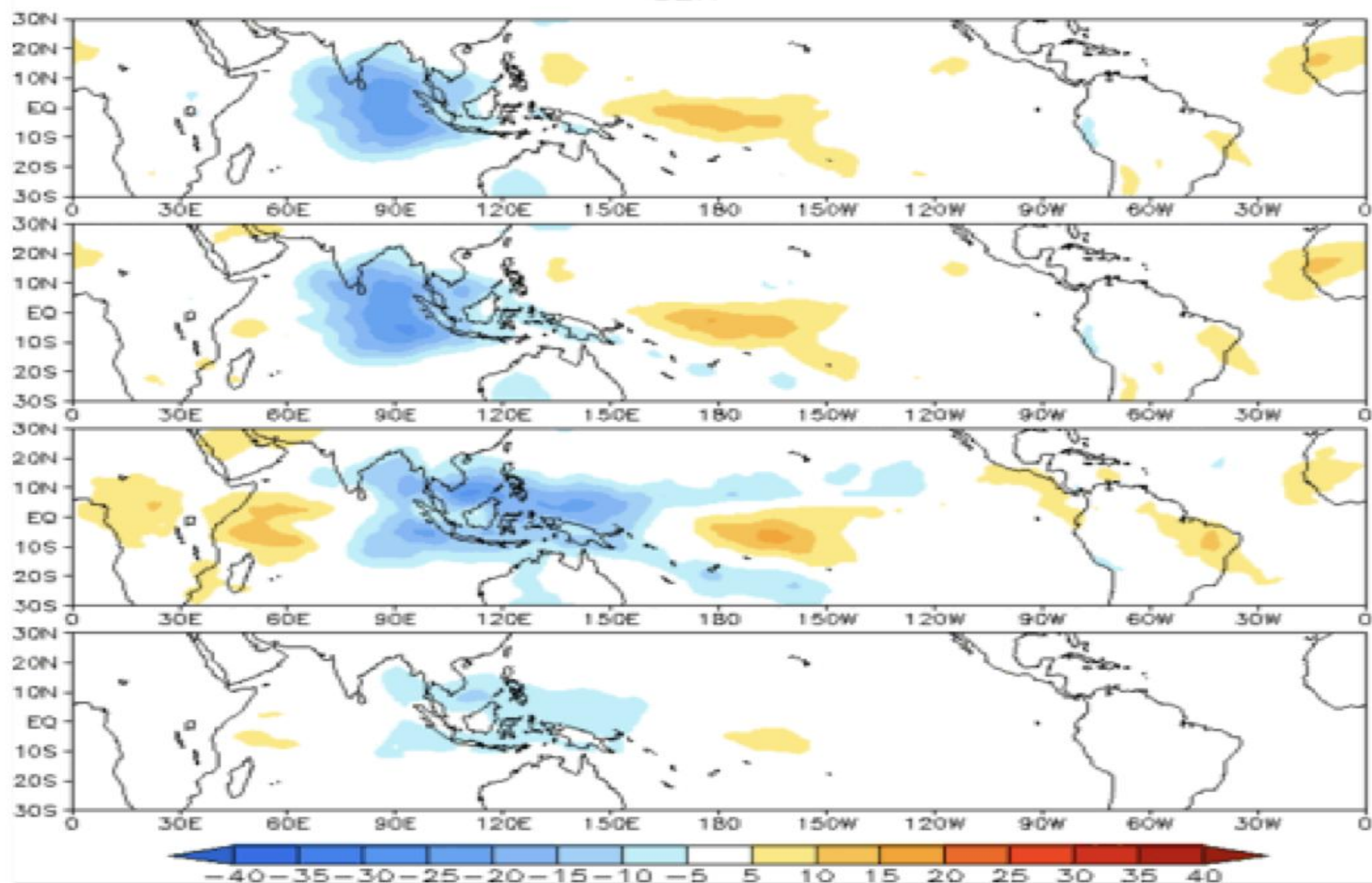
IOD - Apr 2025



Prediction of MJO-related anomalies using GEFS operational forecast

Initial date: 24 Nov 2024

OLR



Initial Date
(24 Nov 2024)

Days 1–5 Ave
Forecast

Days 6–10 Ave
Forecast

Days 11–15 Ave
Forecast

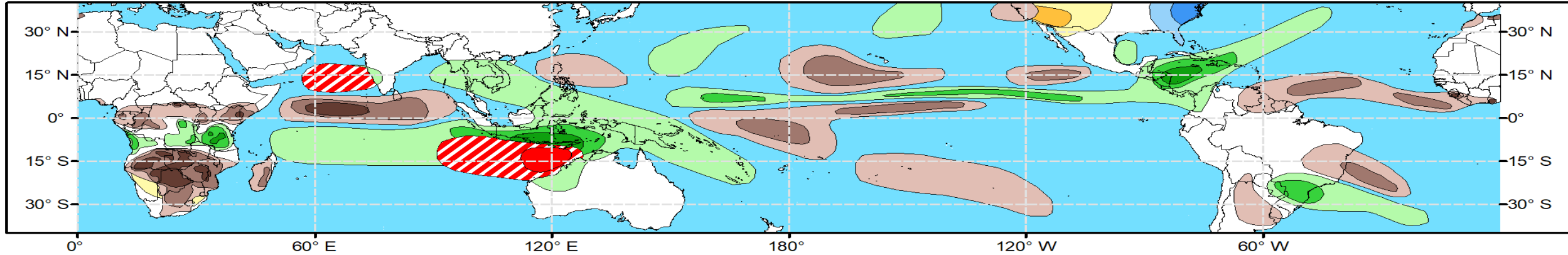


Global Tropics Hazards Outlook

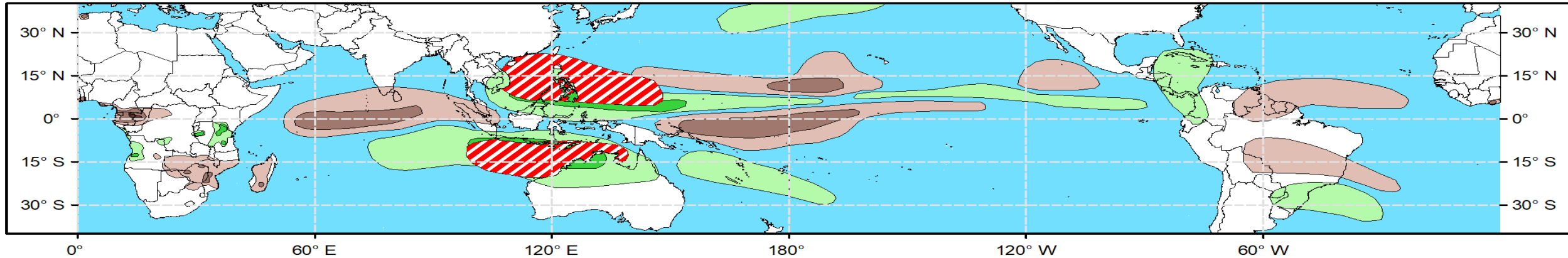
Climate Prediction Center



Week 2 - Valid: Dec 04, 2024 - Dec 10, 2024



Week 3 - Valid: Dec 11, 2024 - Dec 17, 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*

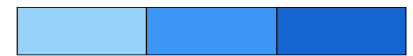
**Above-Average
Temperatures Probability**



>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: 11/26/2024
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.**