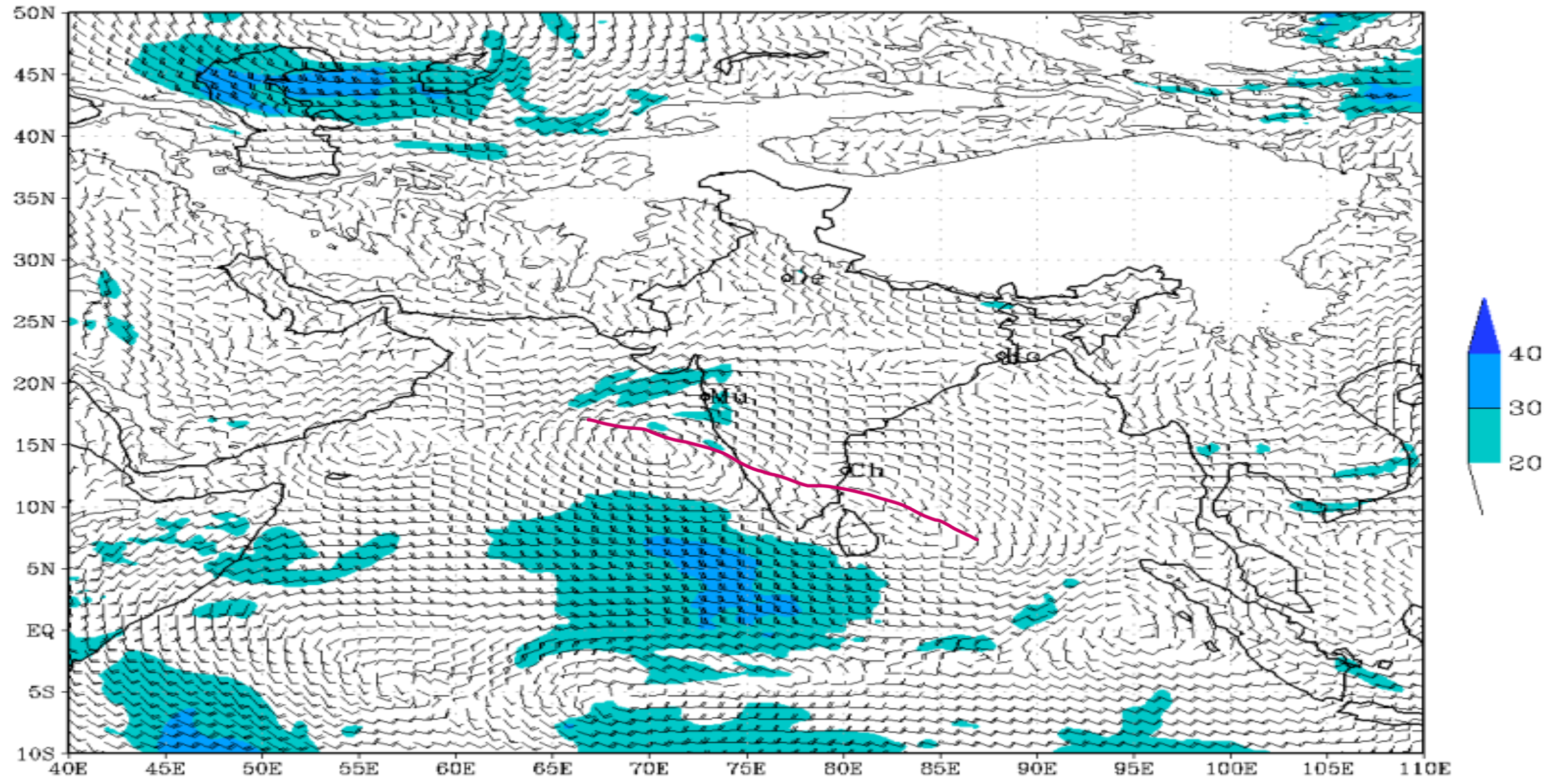
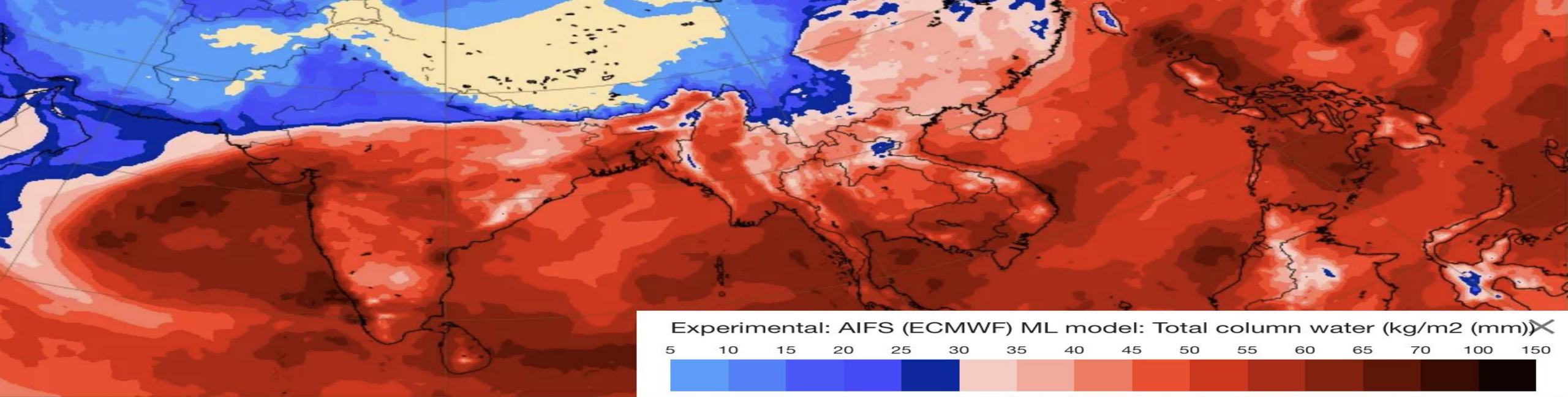


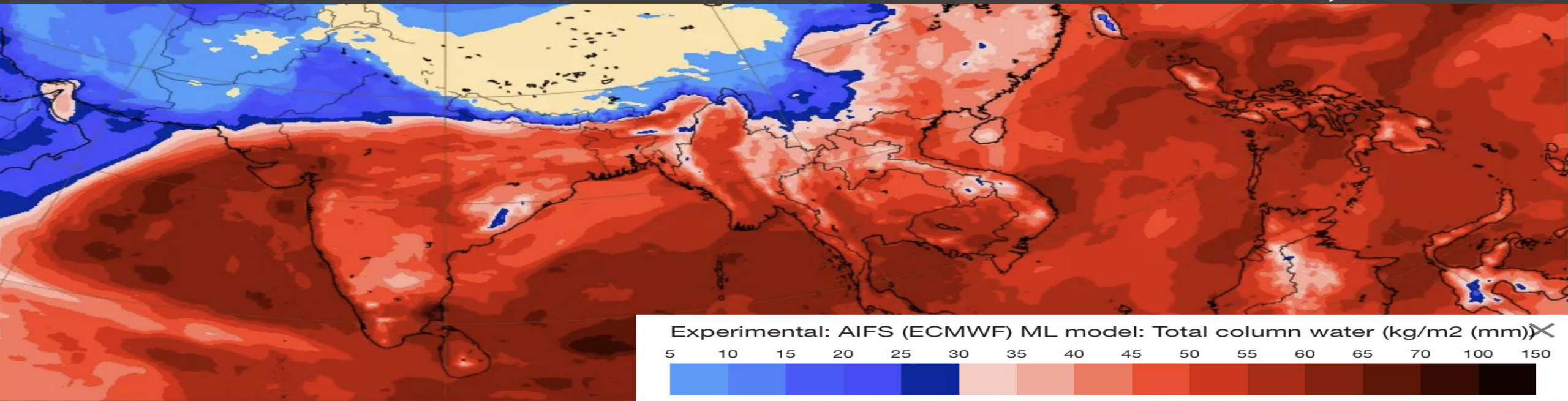
IMD:GFS MODEL(12 Km) 850 hPa WIND (kt) FORECAST (00 HR)
based on 00 UTC of 10-10-2024 valid for 00 UTC of 10-10-2024



(Background does not depict political boundary)

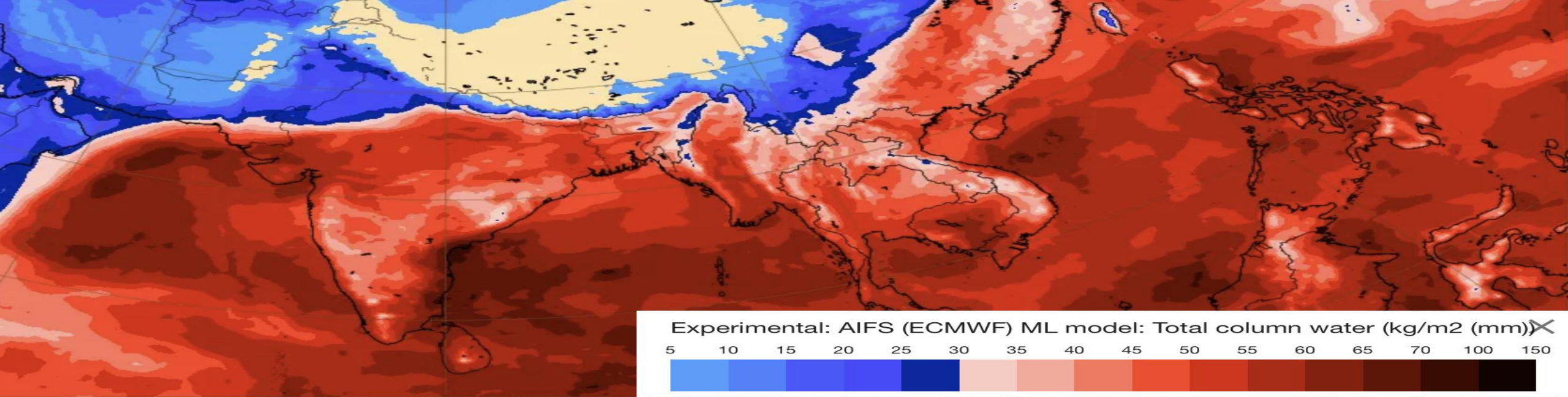


Sat 12 Oct 2024 00 UTC (T+0)

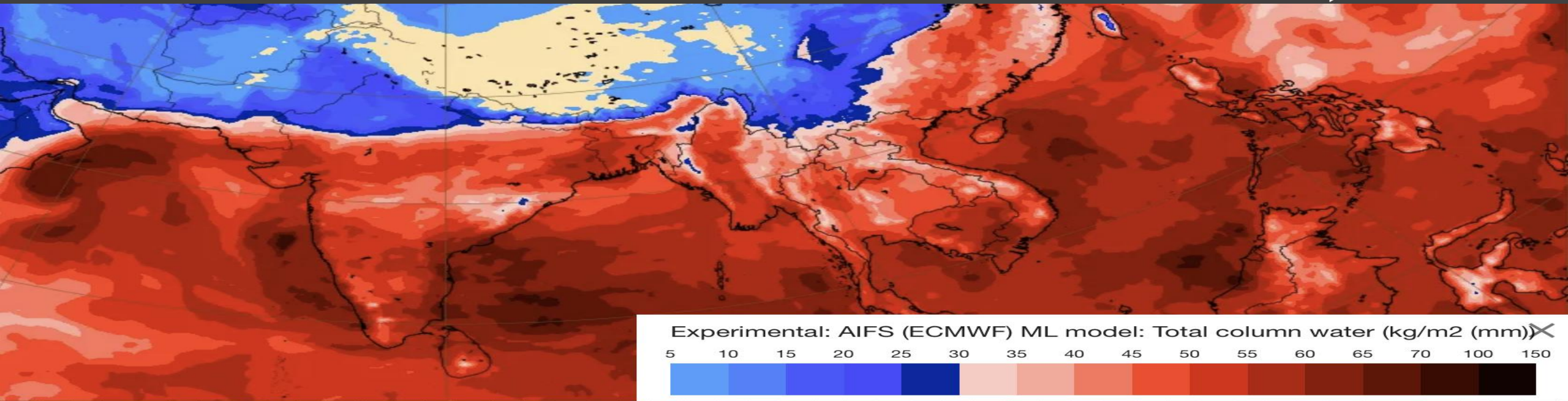


Sun 13 Oct 2024 00 UTC (T+0)



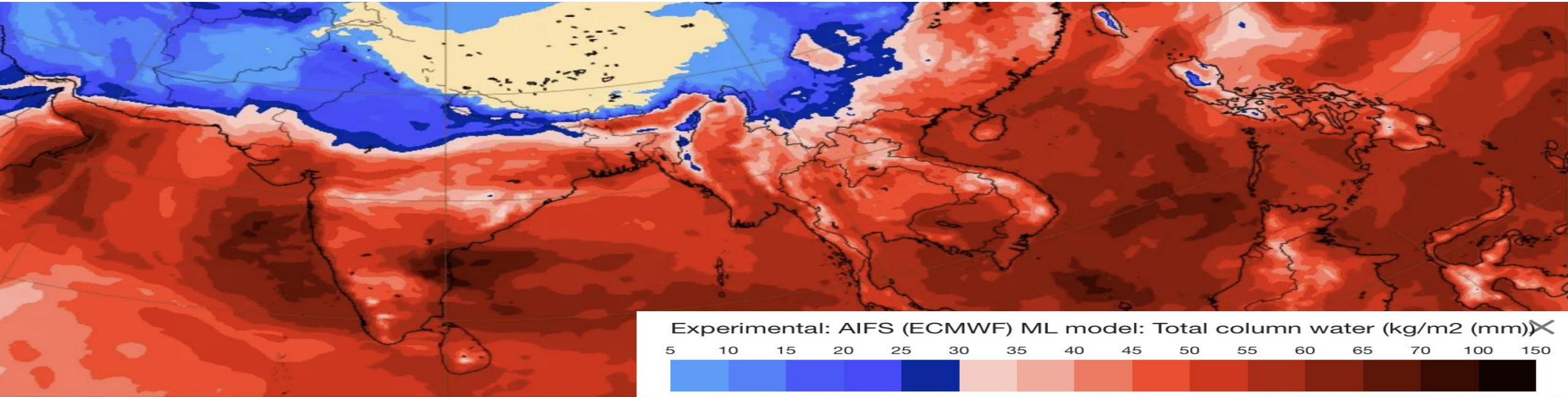


Mon 14 Oct 2024 00 UTC (T+0)

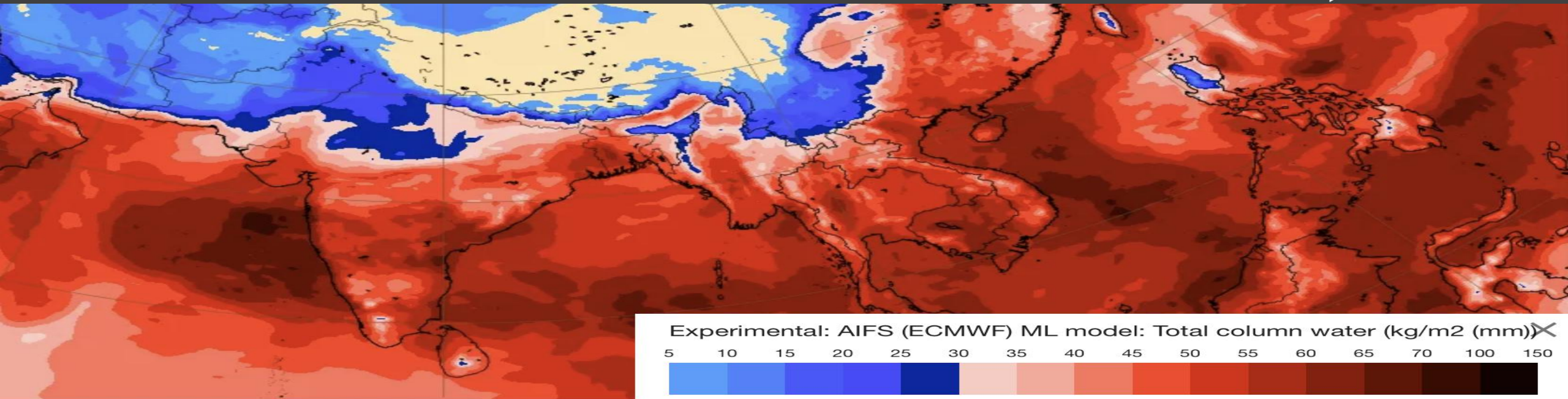


Tue 15 Oct 2024 00 UTC (T+0)





Wed 16 Oct 2024 00 UTC (T+0)

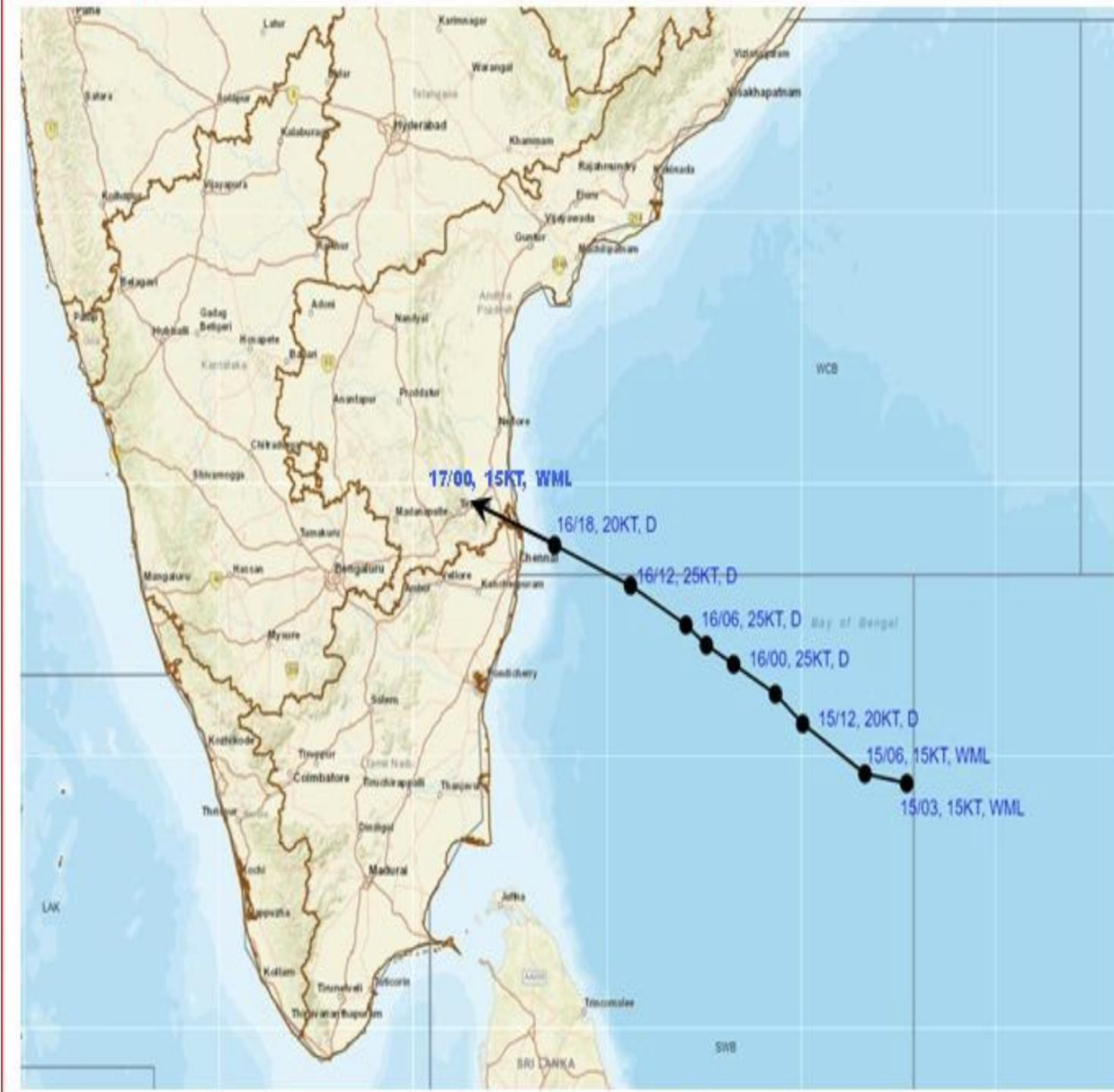


Thu 17 Oct 2024 00 UTC (T+0)





OBSERVED TRACK OF DEPRESSION OVER BAY OF BENGAL DURING 15TH TO 17TH OCTOBER, 2024



- ☒ Day 1 (08:30 IST 16/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 2 (08:30 IST 15/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 3 (08:30 IST 14/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 4 (08:30 IST 13/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 5 (08:30 IST 12/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 6 (08:30 IST 11/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 7 (08:30 IST 10/10/2024 - 08:30 IST 17/10/2024)

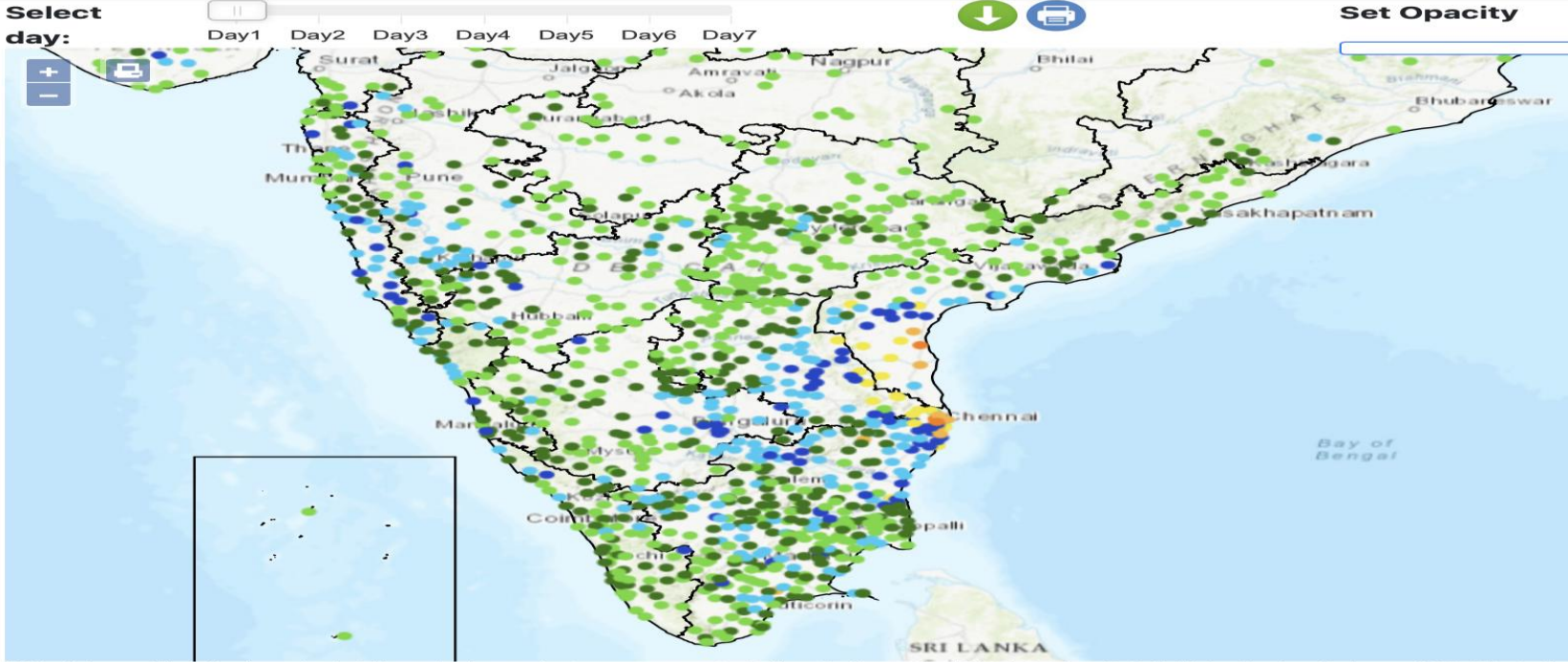
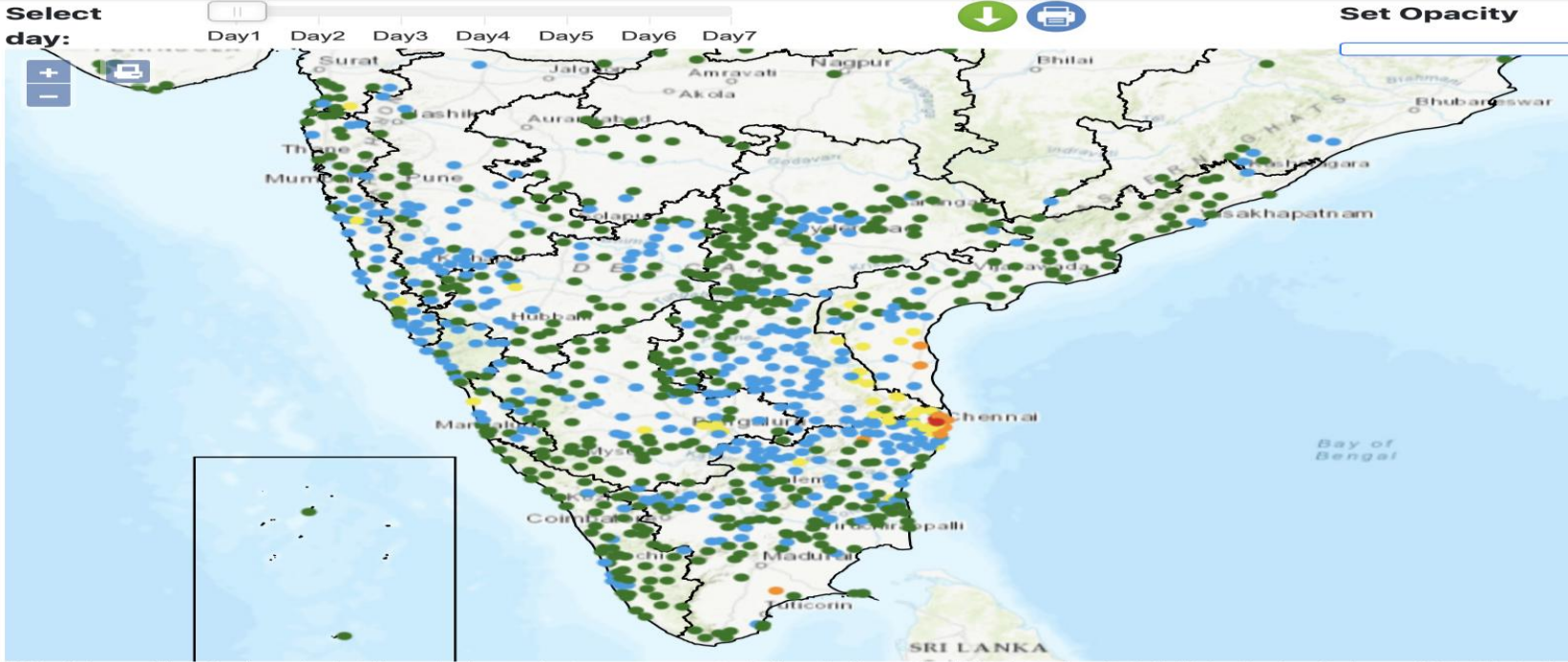
Legend: (Rainfall in mm)

- Very light to light rainfall (0.1 - 15.5 mm)
- Moderate Rainfall (15.6 - 64.4 mm)
- Heavy Rainfall(64.5 - 115.5 mm)
- Very Heavy Rainfall (115.6 - 204.4 mm)
- Extremely Heav Rainfall(>=204.4 mm)

- ☐ Day 1 (08:30 IST 16/10/2024 - 08:30 IST 17/10/2024)
- ☒ Day 2 (08:30 IST 15/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 3 (08:30 IST 14/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 4 (08:30 IST 13/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 5 (08:30 IST 12/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 6 (08:30 IST 11/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 7 (08:30 IST 10/10/2024 - 08:30 IST 17/10/2024)

Legend: (Rainfall in mm)

- 0.1 - 15
- 15 - 35
- 35 - 65
- 65 - 115
- 115 - 200



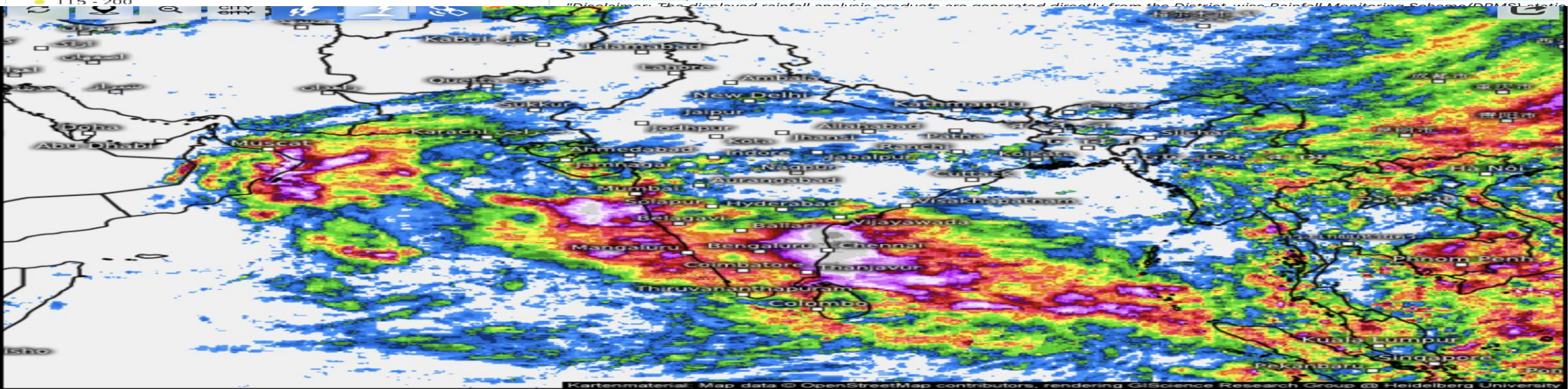
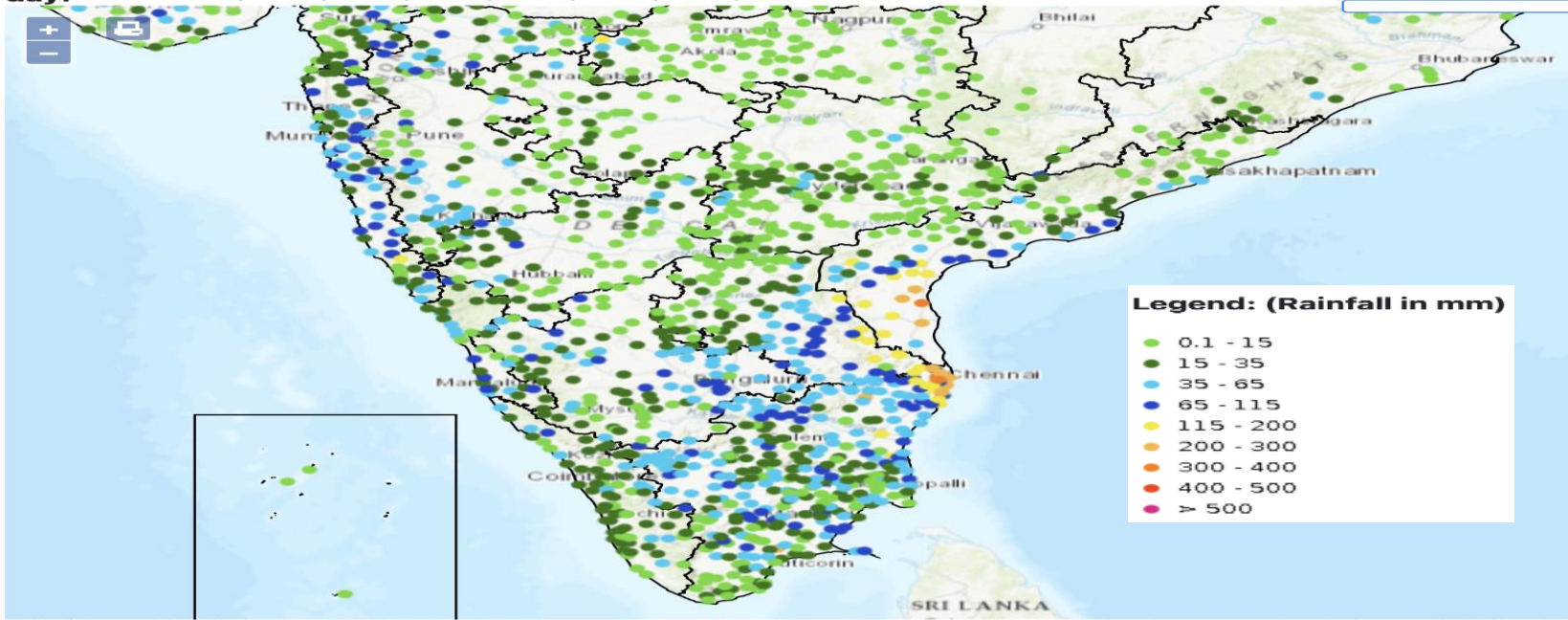
- ☐ Day 1 (08:30 IST 16/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 2 (08:30 IST 15/10/2024 - 08:30 IST 17/10/2024)
- ☒ Day 3 (08:30 IST 14/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 4 (08:30 IST 13/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 5 (08:30 IST 12/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 6 (08:30 IST 11/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 7 (08:30 IST 10/10/2024 - 08:30 IST 17/10/2024)

Legend: (Rainfall in mm)

- 0.1 - 15
- 15 - 35
- 35 - 65
- 65 - 115
- 115 - 200

Select day:

Day1 Day2 Day3 Day4 Day5 Day6 Day7



Accumulated Precipitation, 72h (Satellite) (mm)



Thu 10/17/2024, 05:30am IST



- ☐ Day 1 (08:30 IST 16/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 2 (08:30 IST 15/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 3 (08:30 IST 14/10/2024 - 08:30 IST 17/10/2024)
- ☒ Day 4 (08:30 IST 13/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 5 (08:30 IST 12/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 6 (08:30 IST 11/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 7 (08:30 IST 10/10/2024 - 08:30 IST 17/10/2024)

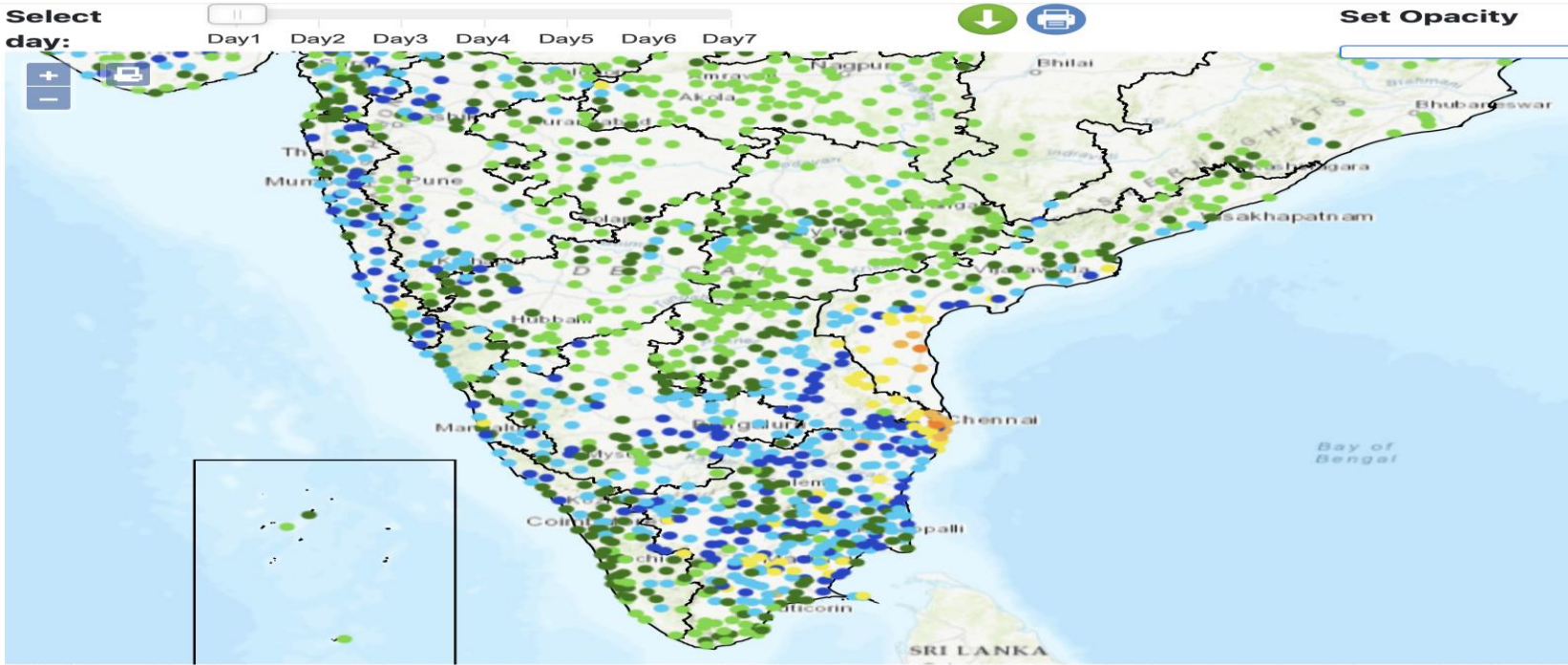
Legend: (Rainfall in mm)

- 0.1 - 15
- 15 - 35
- 35 - 65
- 65 - 115
- 115 - 200

- ☐ Day 2 (08:30 IST 15/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 3 (08:30 IST 14/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 4 (08:30 IST 13/10/2024 - 08:30 IST 17/10/2024)
- ☒ Day 5 (08:30 IST 12/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 6 (08:30 IST 11/10/2024 - 08:30 IST 17/10/2024)
- ☐ Day 7 (08:30 IST 10/10/2024 - 08:30 IST 17/10/2024)

Legend: (Rainfall in mm)

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



☐ Day 2 (08:30 IST 15/10/2024 - 08:30 IST 17/10/2024)

☐ Day 3 (08:30 IST 14/10/2024 - 08:30 IST 17/10/2024)

☐ Day 4 (08:30 IST 13/10/2024 - 08:30 IST 17/10/2024)

☐ Day 5 (08:30 IST 12/10/2024 - 08:30 IST 17/10/2024)

☒ Day 6 (08:30 IST 11/10/2024 - 08:30 IST 17/10/2024)

☐ Day 7 (08:30 IST 10/10/2024 - 08:30 IST 17/10/2024)

Legend: (Rainfall in mm)

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

☐ Day 2 (08:30 IST 15/10/2024 - 08:30 IST 17/10/2024)

☐ Day 3 (08:30 IST 14/10/2024 - 08:30 IST 17/10/2024)

☐ Day 4 (08:30 IST 13/10/2024 - 08:30 IST 17/10/2024)

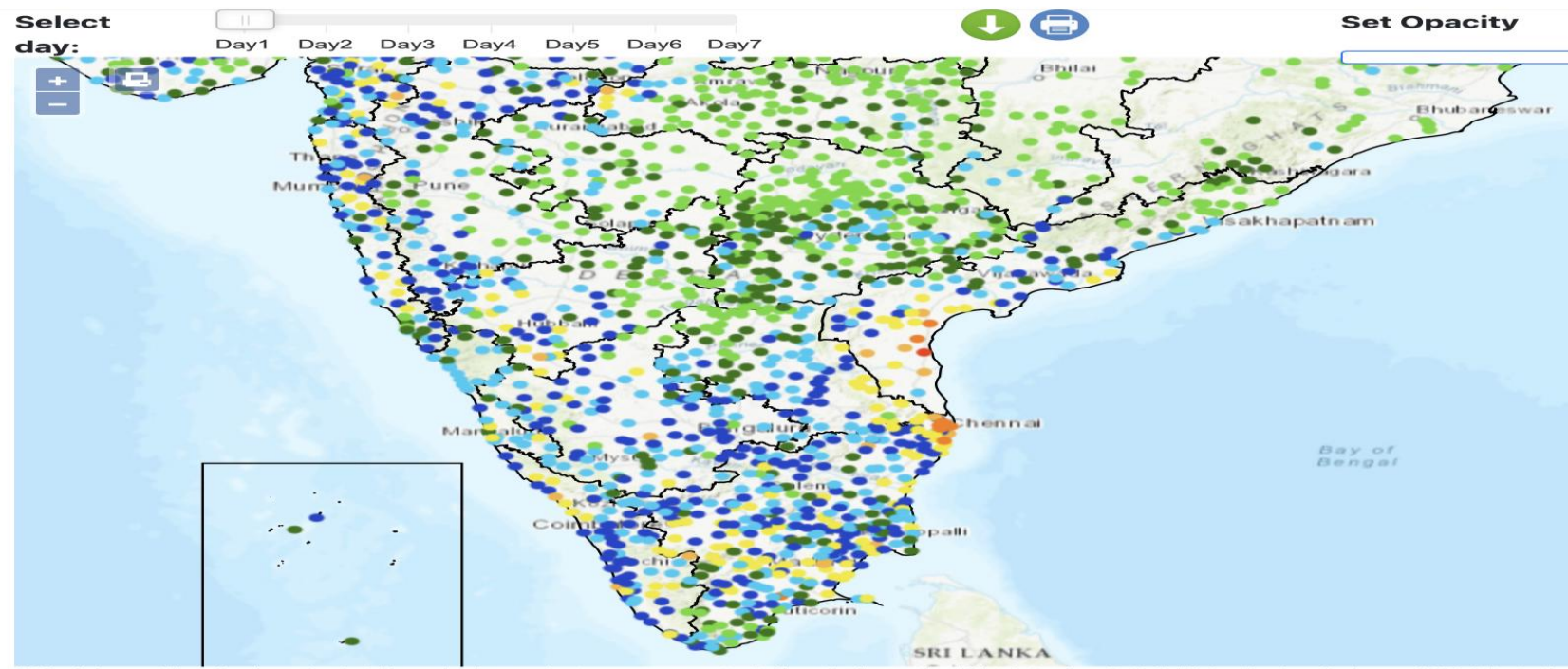
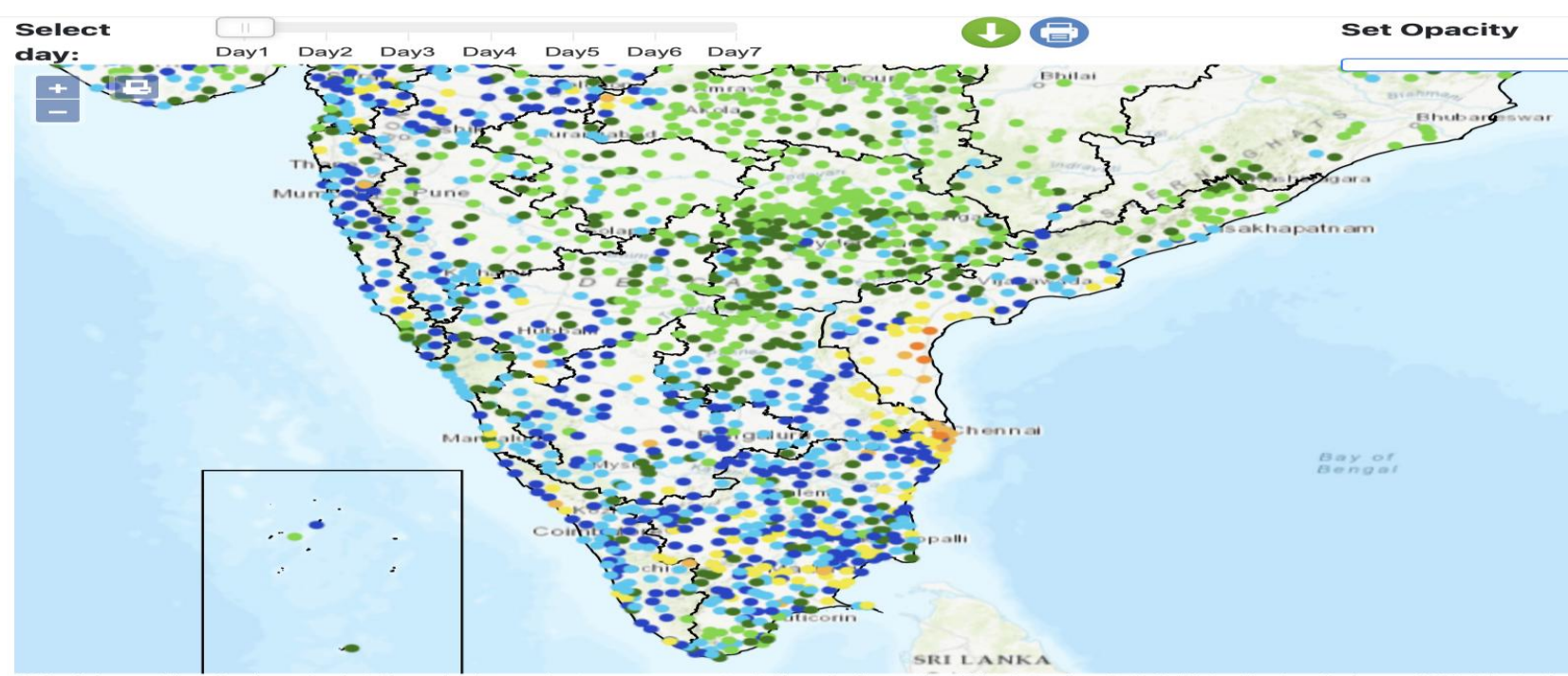
☐ Day 5 (08:30 IST 12/10/2024 - 08:30 IST 17/10/2024)

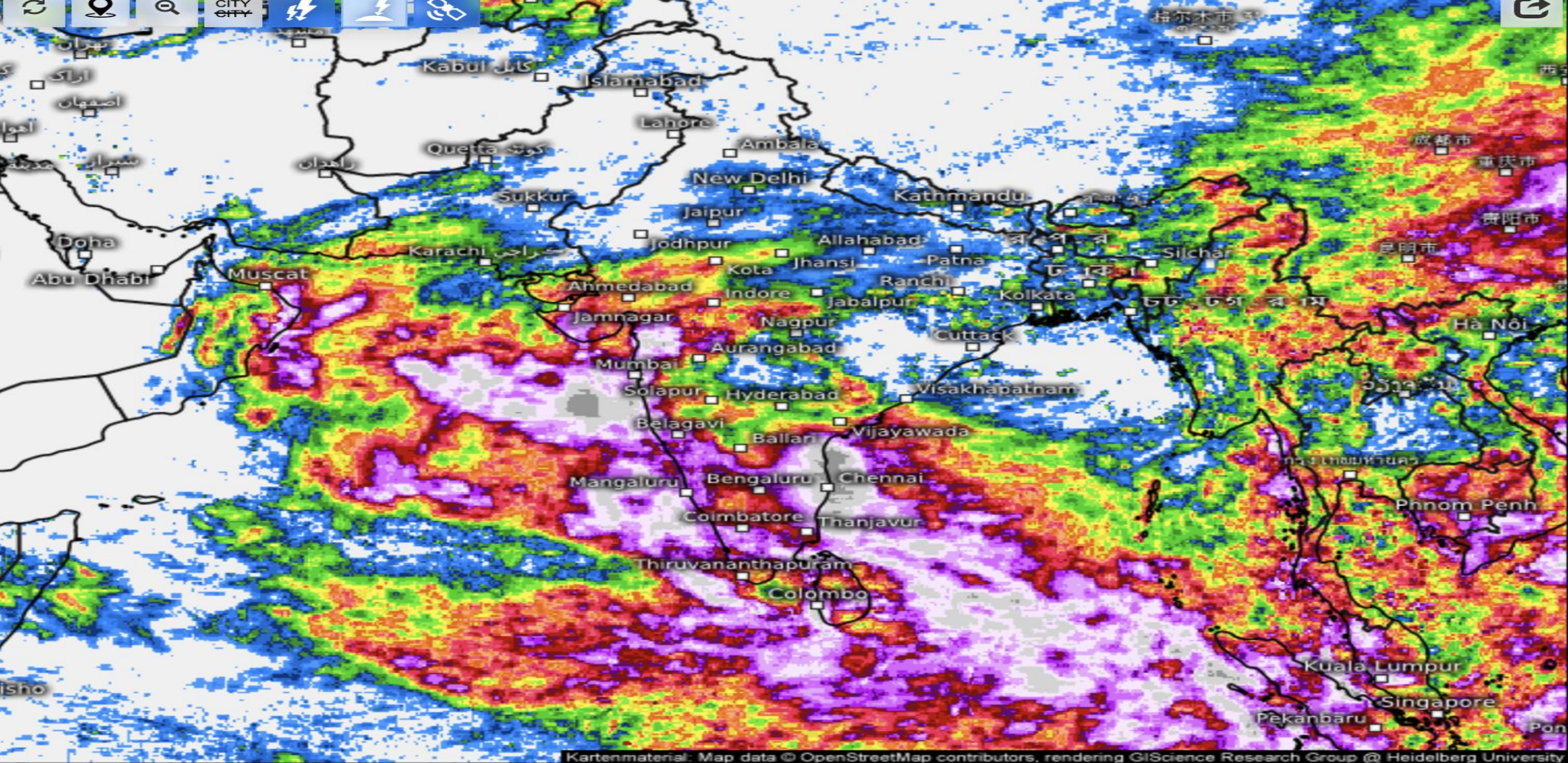
☐ Day 6 (08:30 IST 11/10/2024 - 08:30 IST 17/10/2024)

☒ Day 7 (08:30 IST 10/10/2024 - 08:30 IST 17/10/2024)

Legend: (Rainfall in mm)

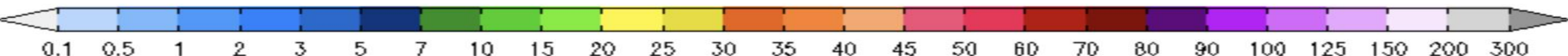
- 0.1 - 15
- 15 - 35
- 35 - 65
- 65 - 115
- 115 - 200
- 200 - 300
- 300 - 400
- 400 - 500
- > 500





Accumulated Precipitation, 7 days (Satellite) (mm) 

Thu 10/17/2024, 05:30am IST



In south Chennai, flooding disrupts life once again

Updated – October 16, 2024 11:49 am IST – Chennai:

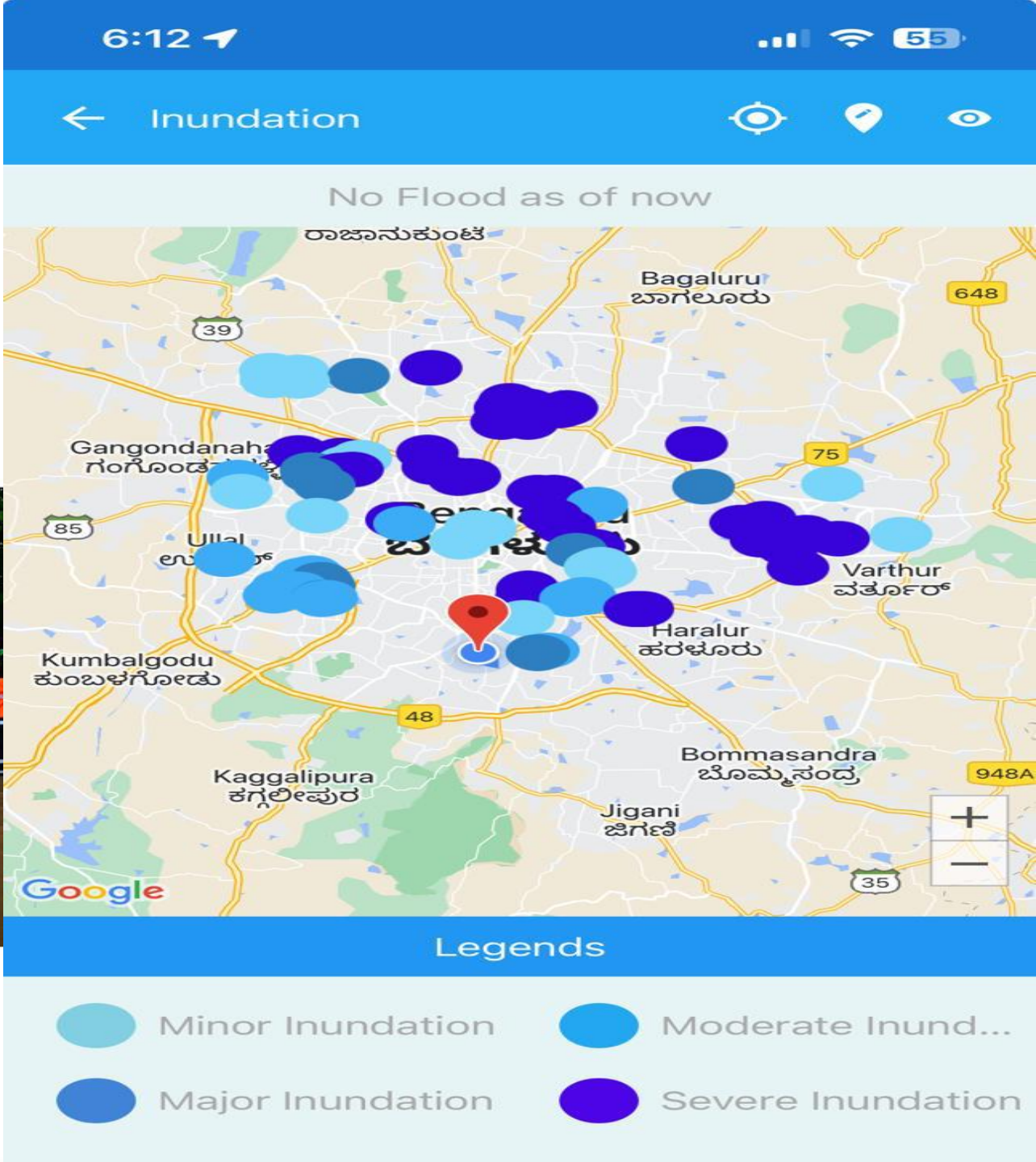
Several areas of the OMR remained cut off from the rest of the city by evening though the rains had abated by then

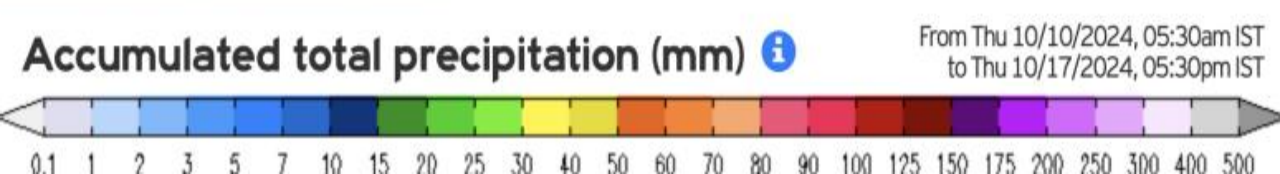
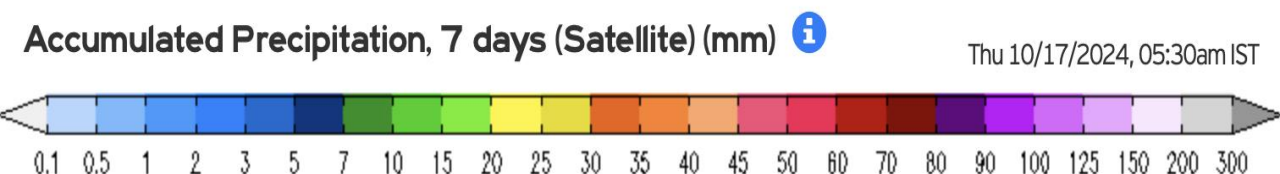
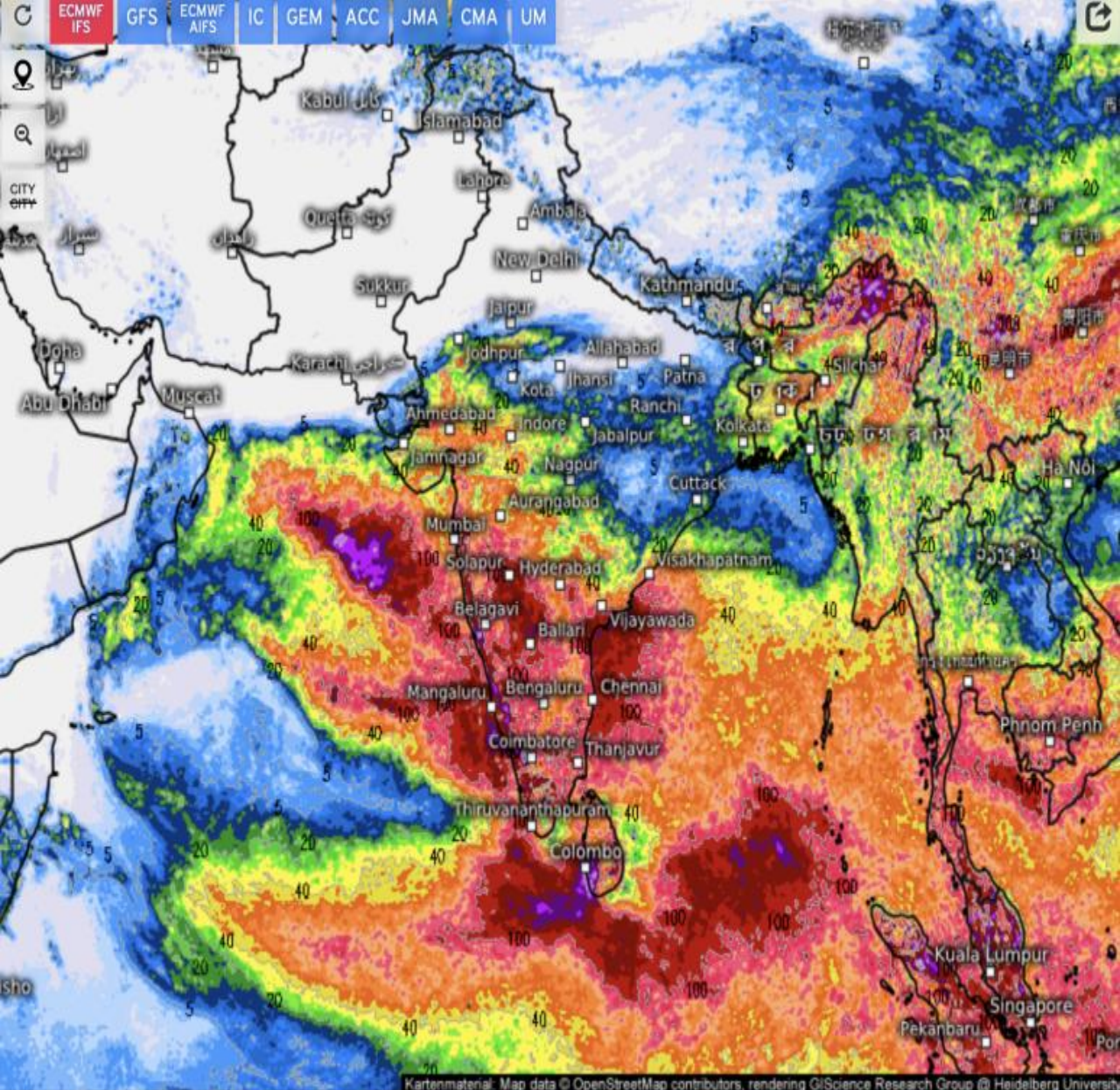
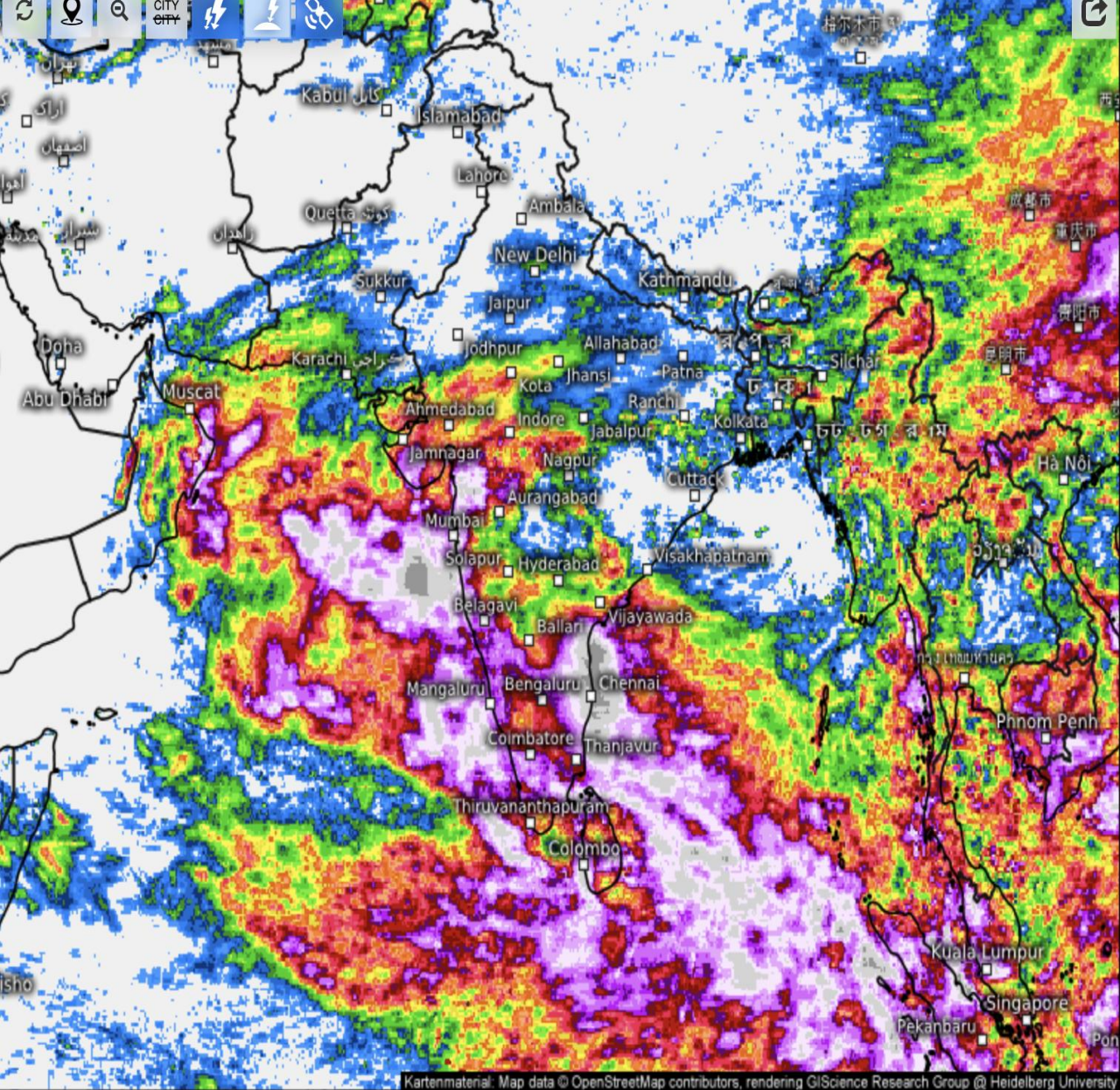
R. AISHWARYAA

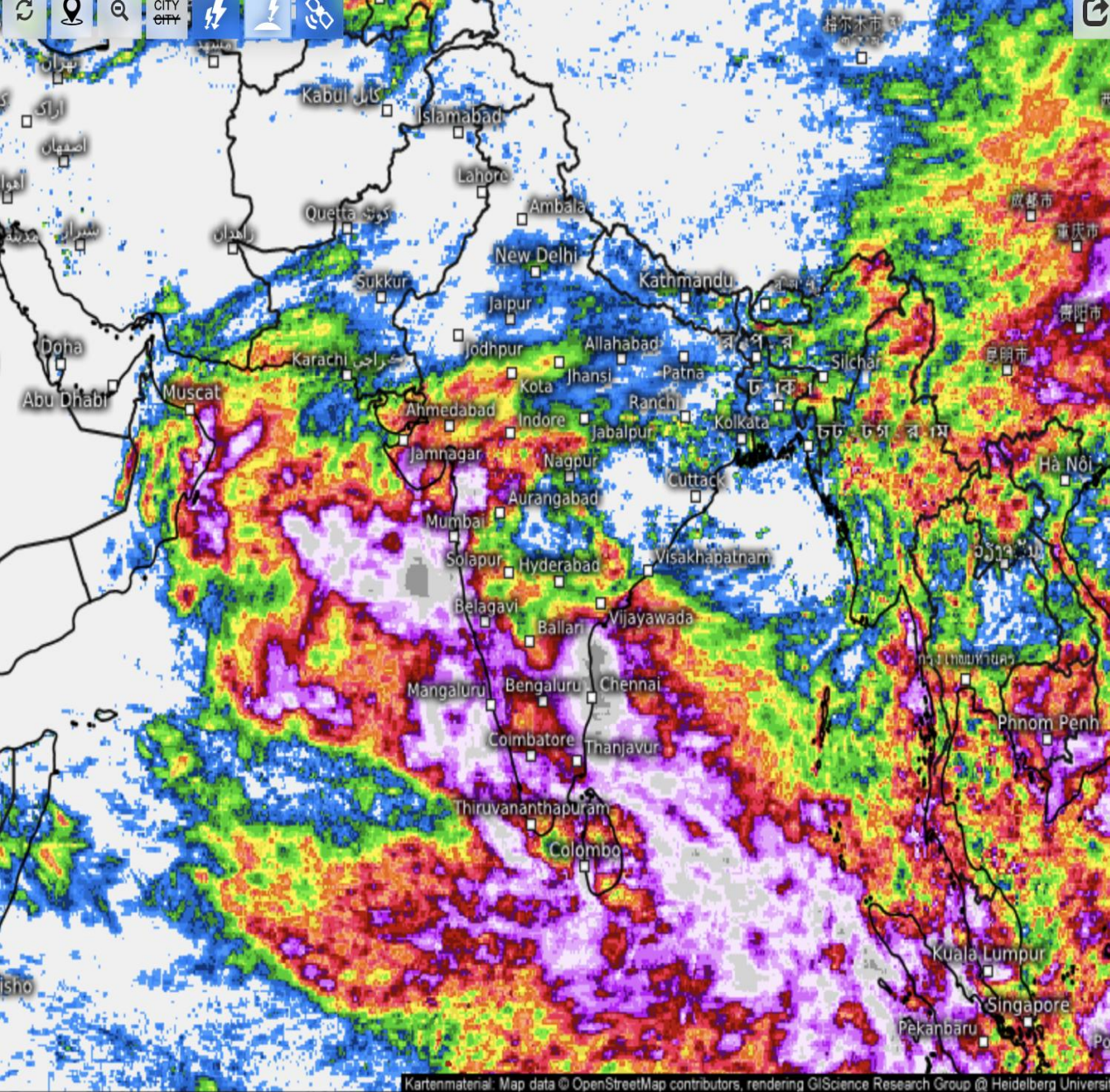


Waterlogging at Five Furlong Road in Velachery on Tuesday | Photo Credit: B. VELANKANNI RAJ

As the northeast monsoon began lashing the city, south Chennai continued to bear the brunt once

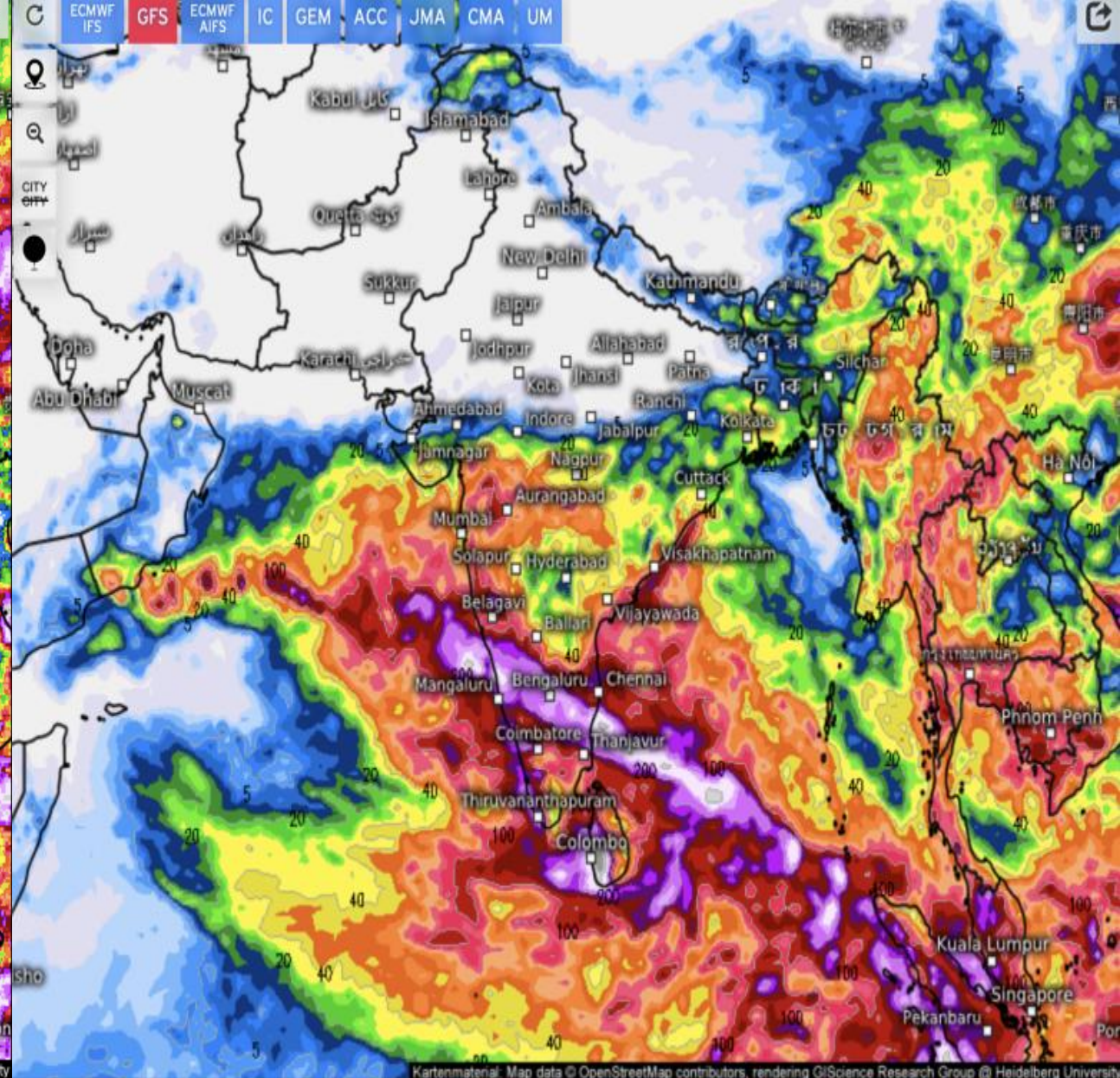
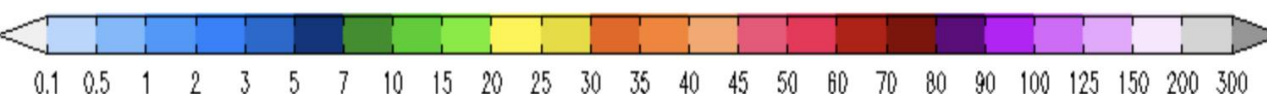






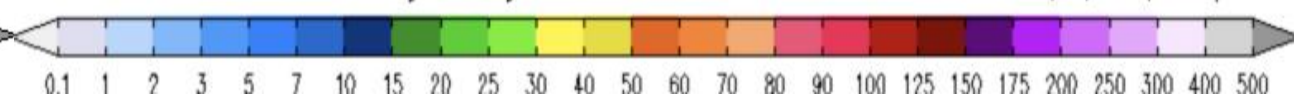
Accumulated Precipitation, 7 days (Satellite) (mm) ⓘ

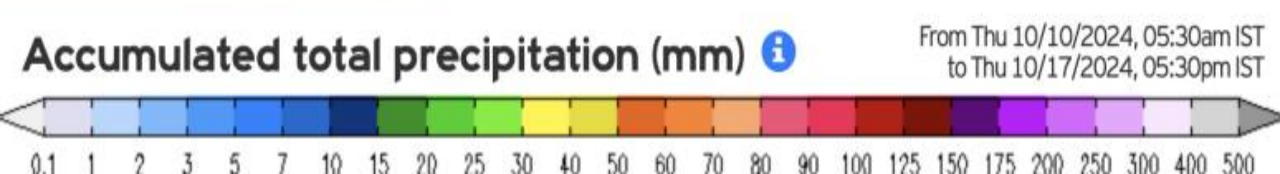
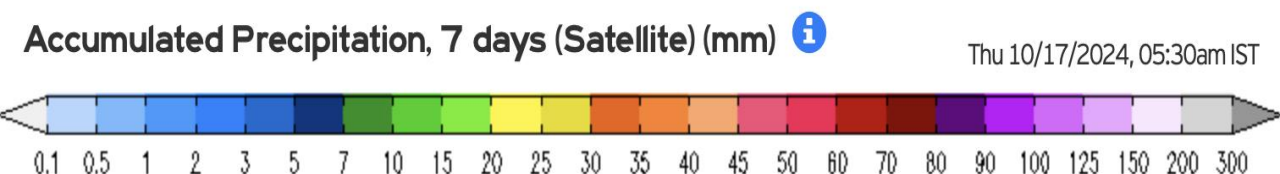
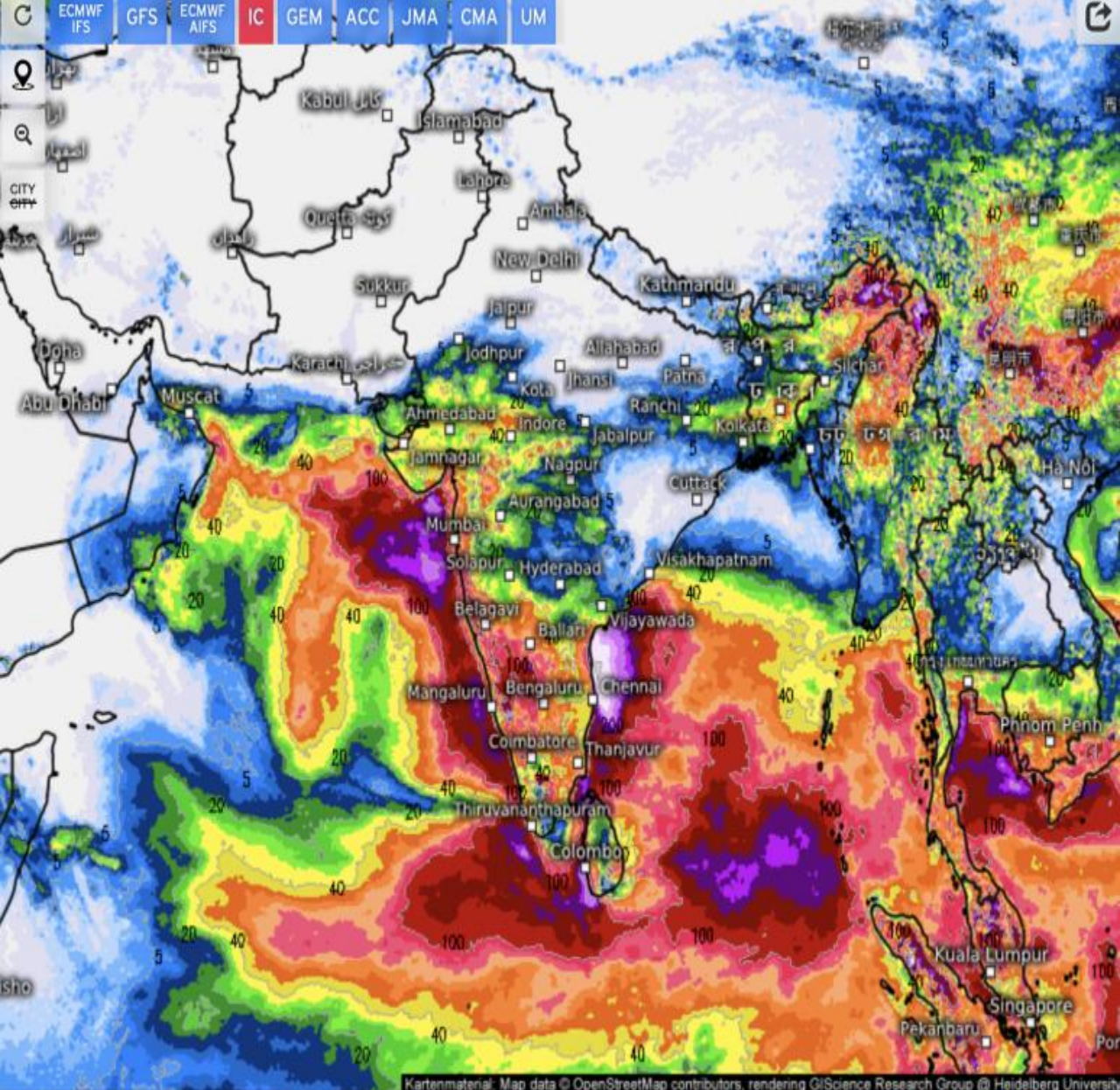
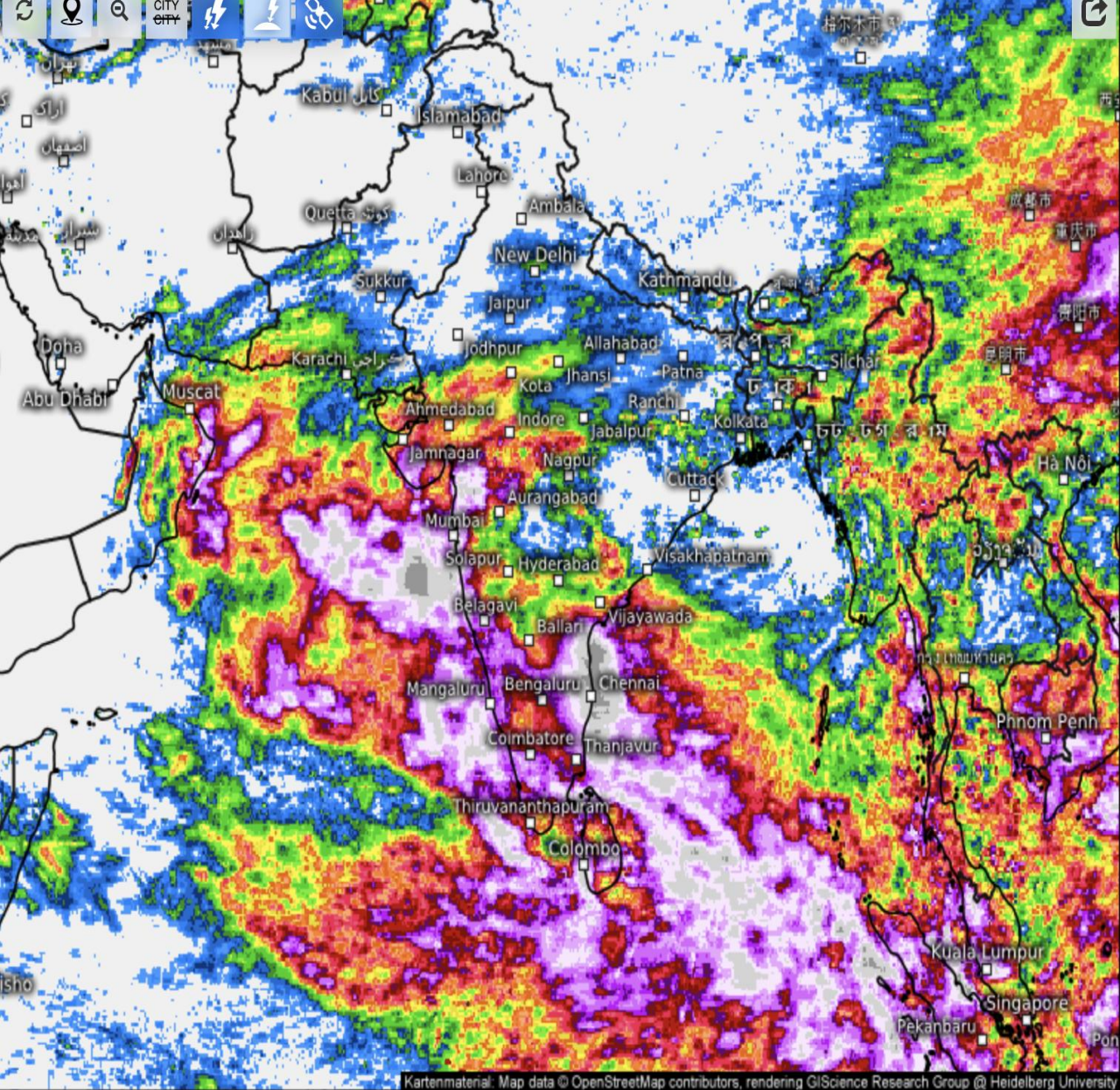
Thu 10/17/2024, 05:30am IST

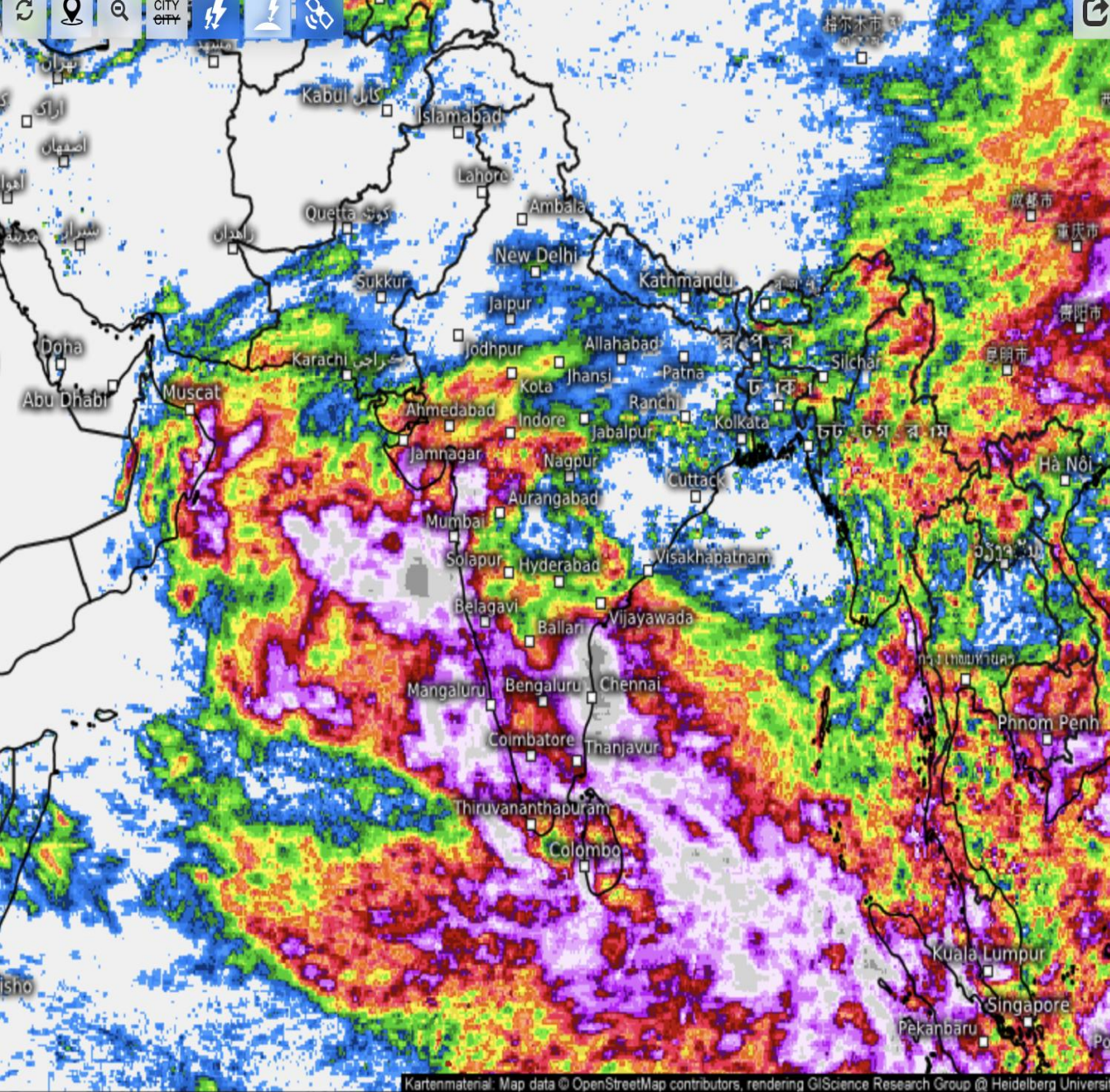


Accumulated total precipitation (mm) ⓘ

From Thu 10/10/2024, 05:30am IST
to Thu 10/17/2024, 05:30pm IST

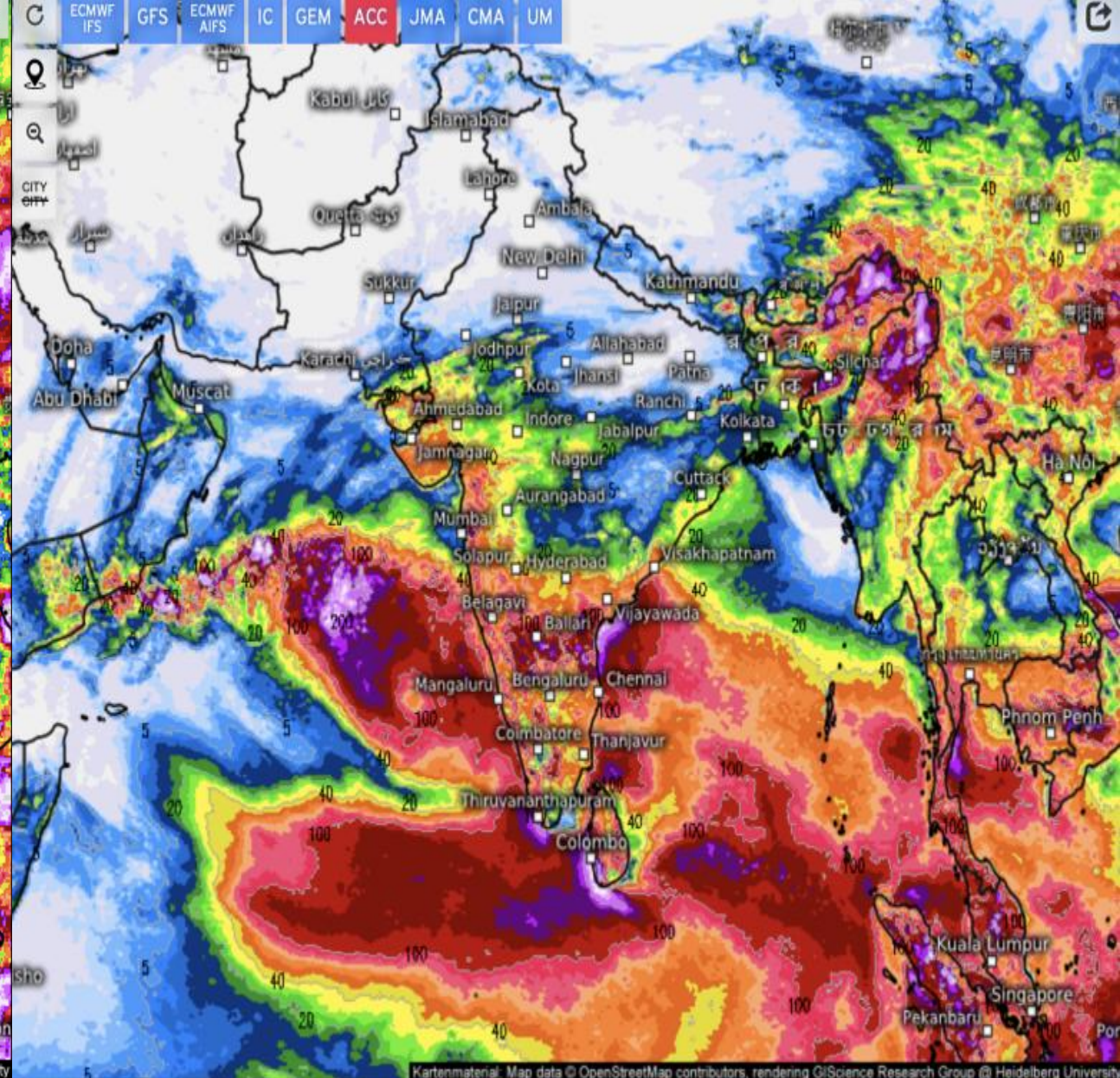
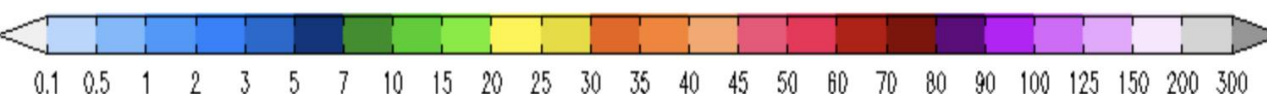






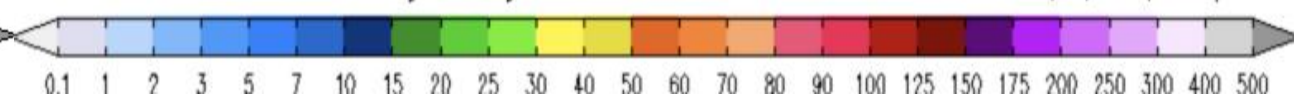
Accumulated Precipitation, 7 days (Satellite) (mm) ⓘ

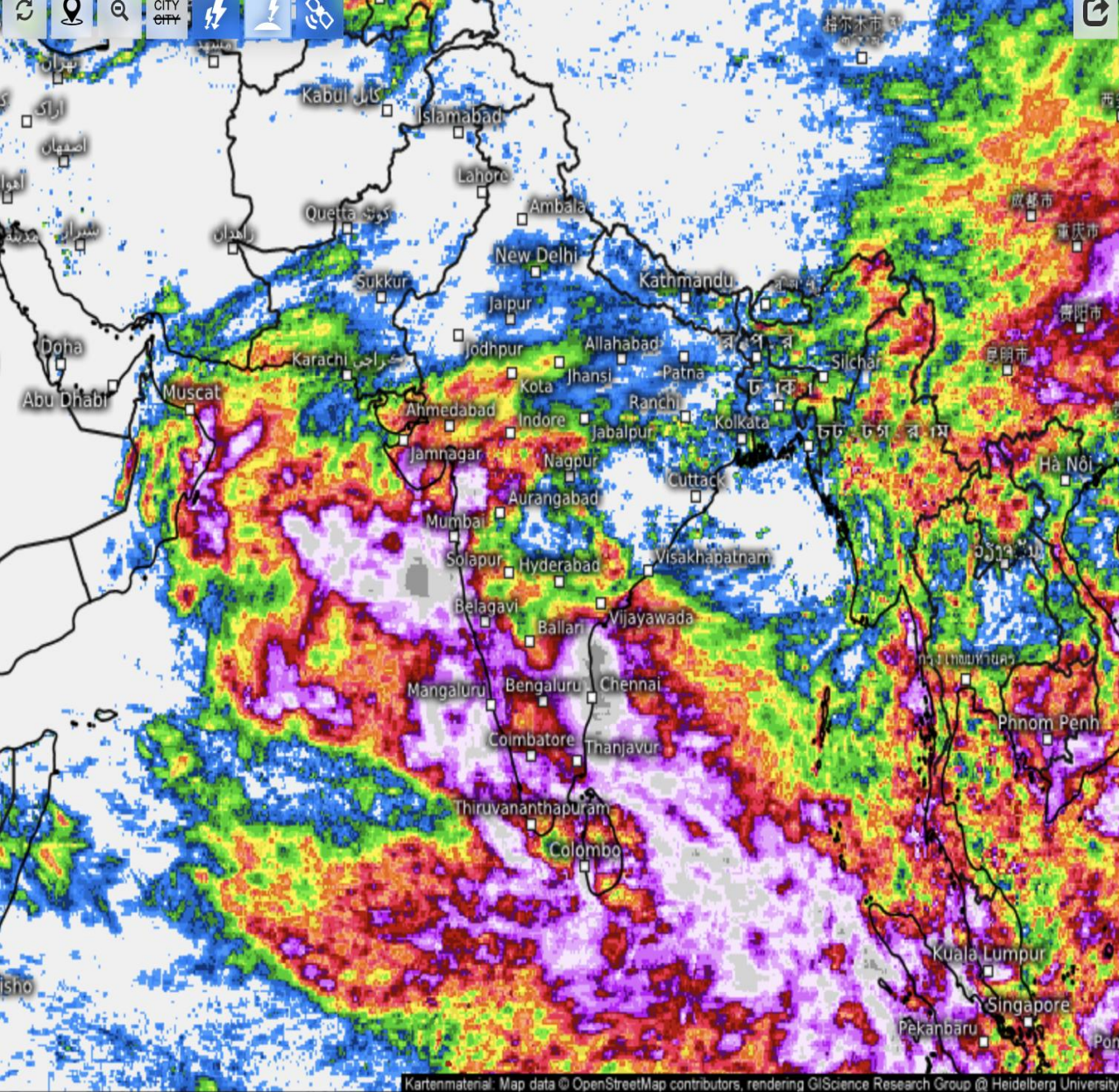
Thu 10/17/2024, 05:30am IST



Accumulated total precipitation (mm) ⓘ

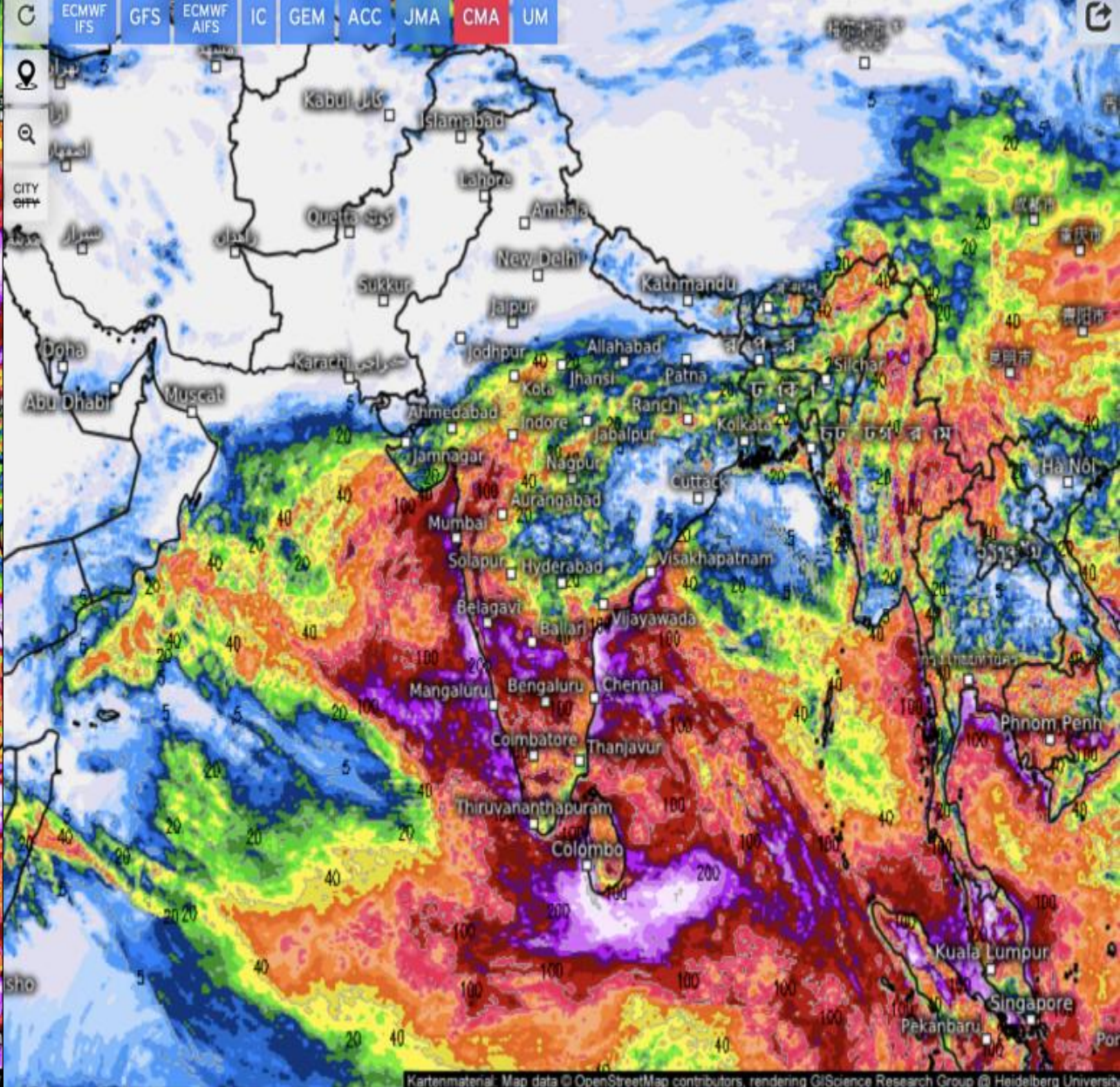
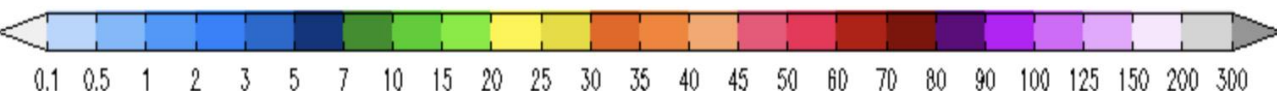
From Wed 10/09/2024, 05:30pm IST
to Thu 10/17/2024, 05:30pm IST





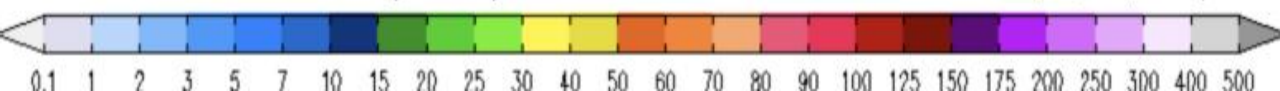
Accumulated Precipitation, 7 days (Satellite) (mm)

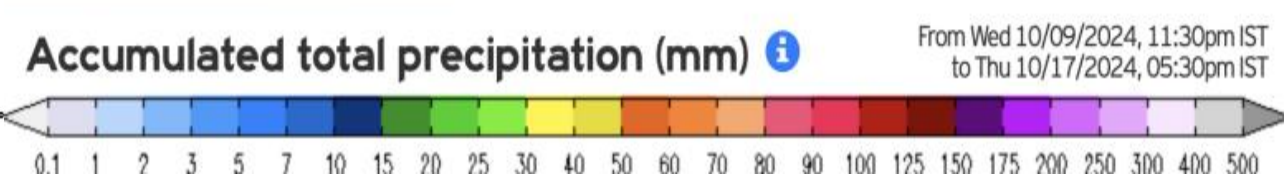
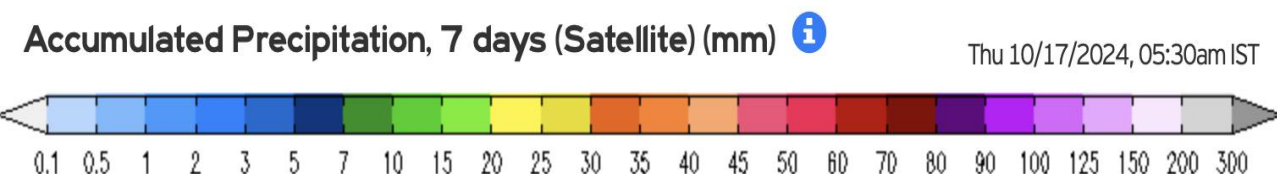
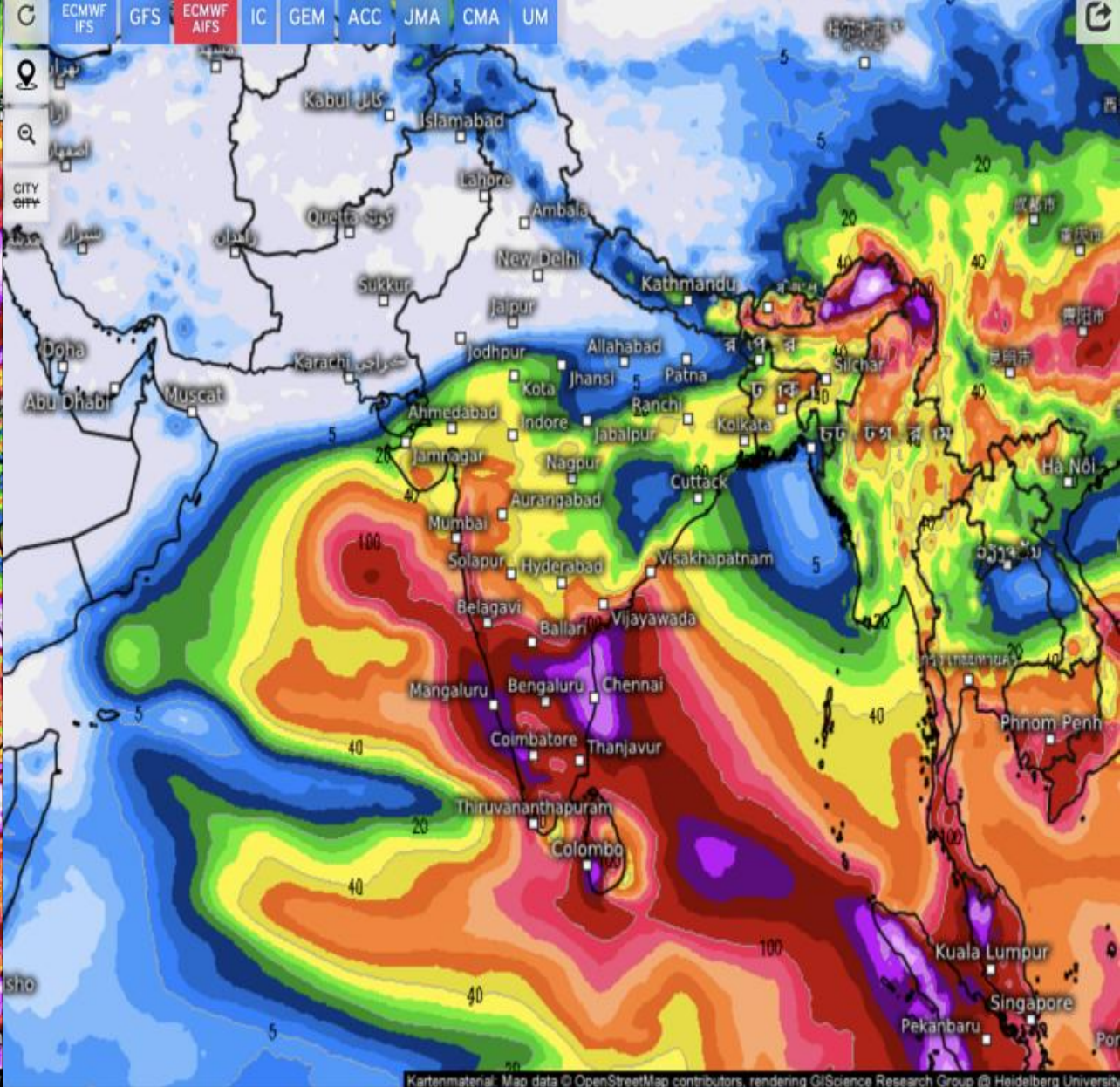
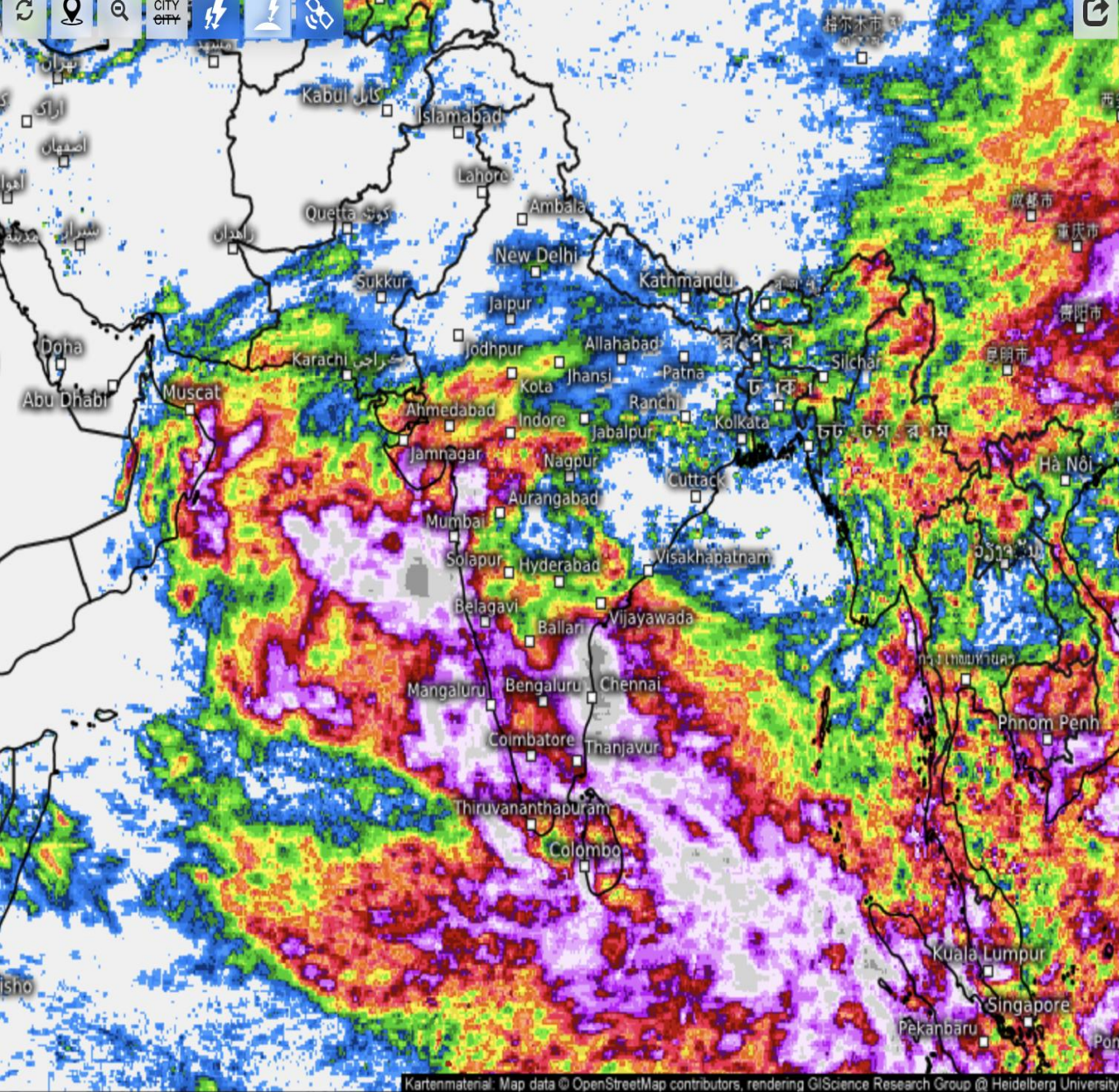
Thu 10/17/2024, 05:30am IST

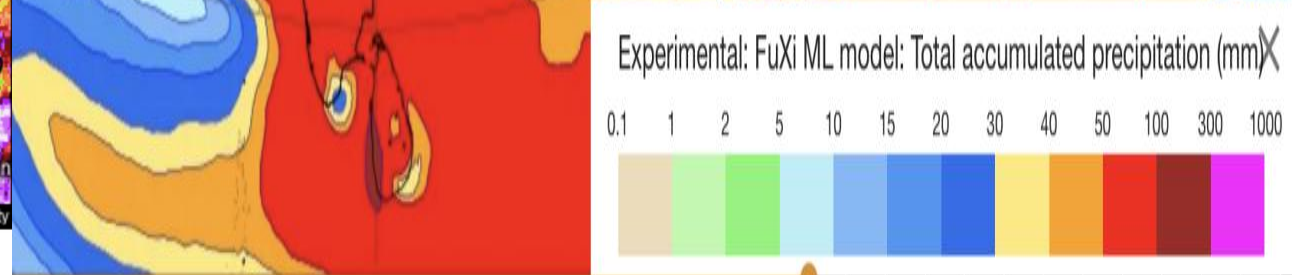
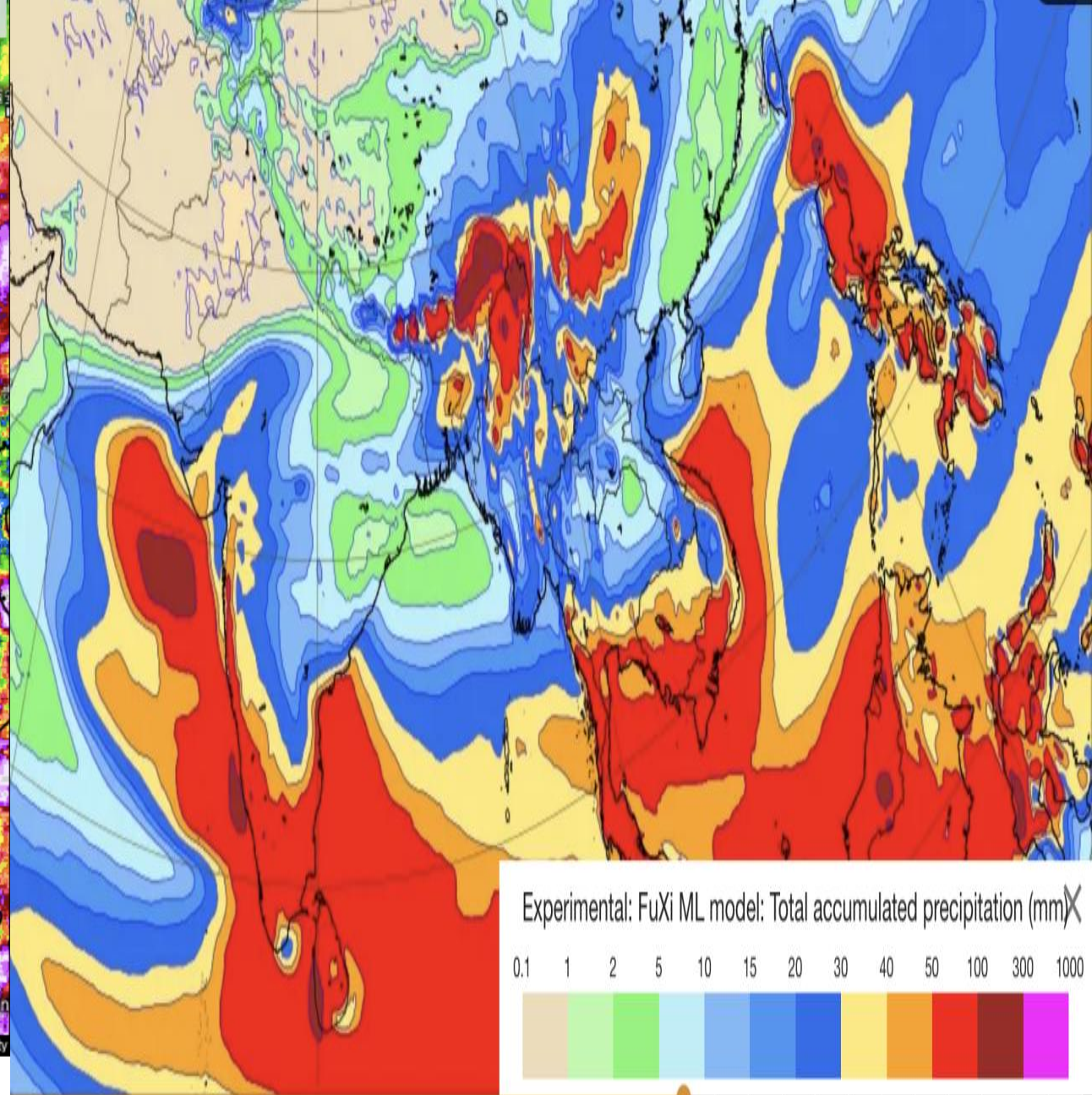
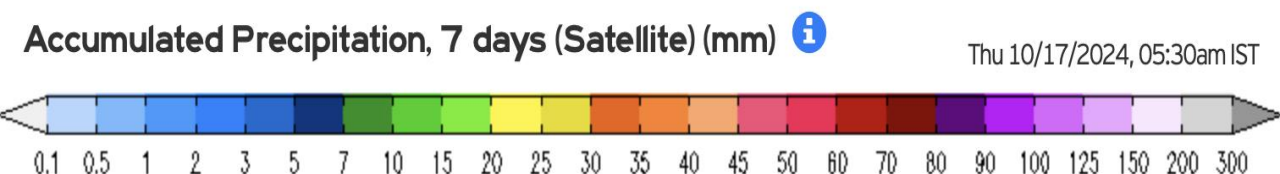
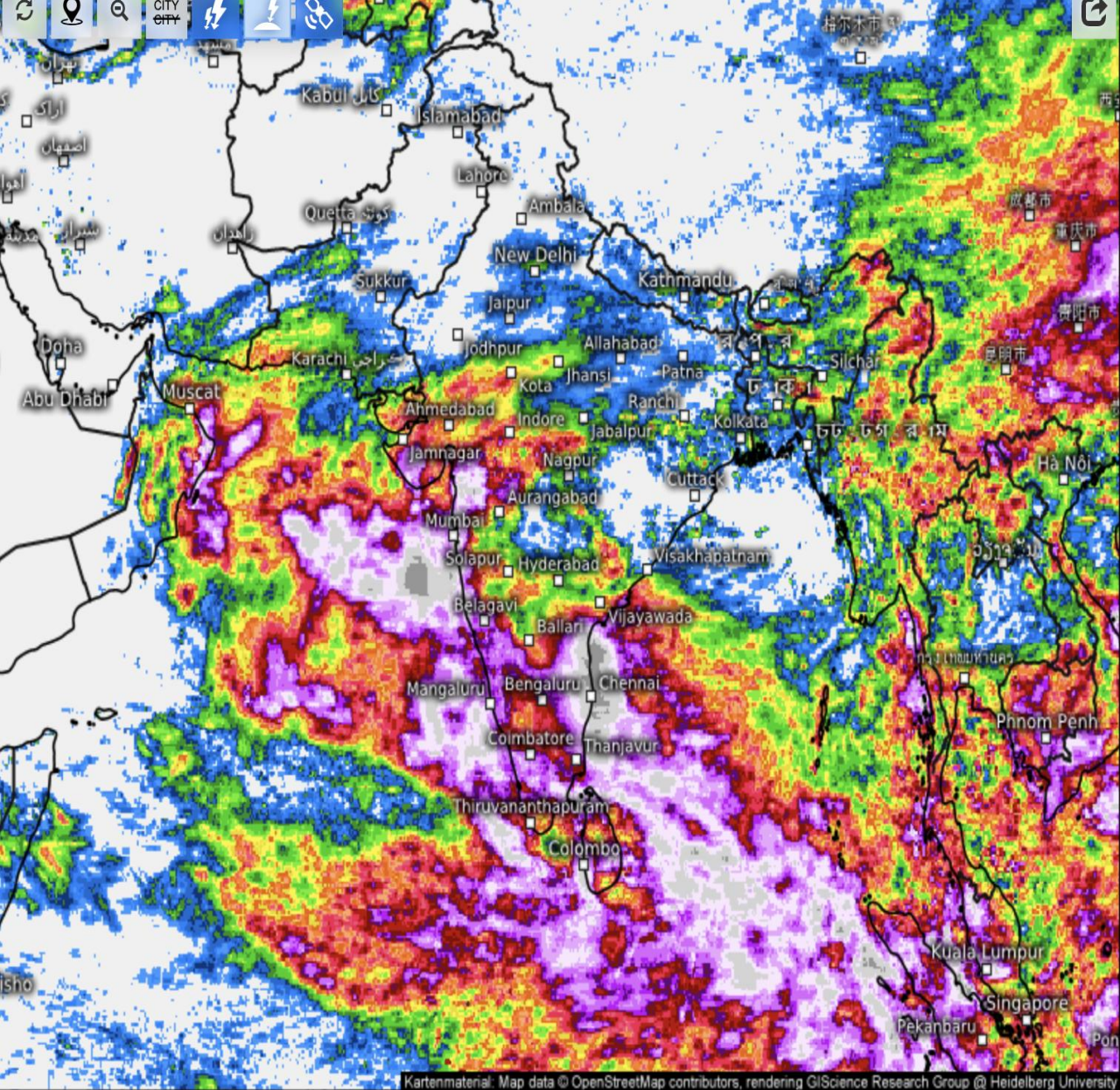


Accumulated total precipitation (mm)

From Wed 10/09/2024, 05:30pm IST
to Thu 10/17/2024, 05:30pm IST

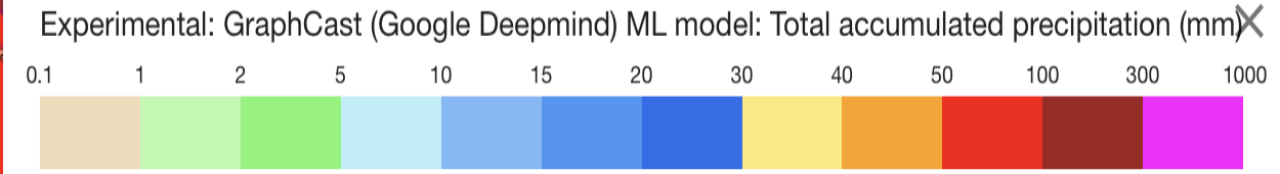
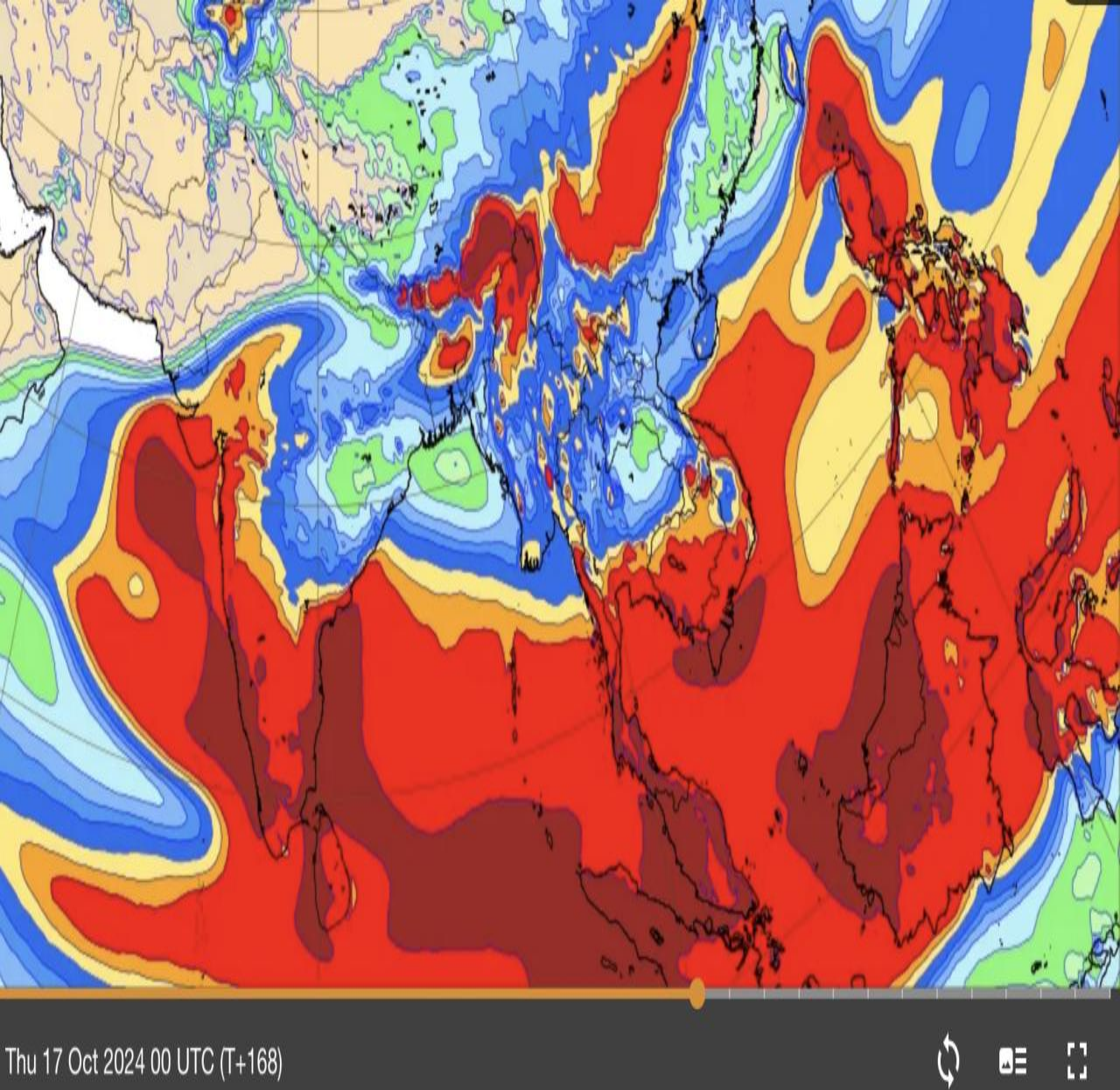
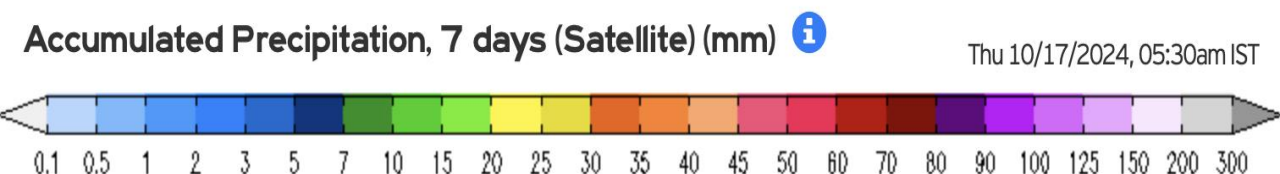
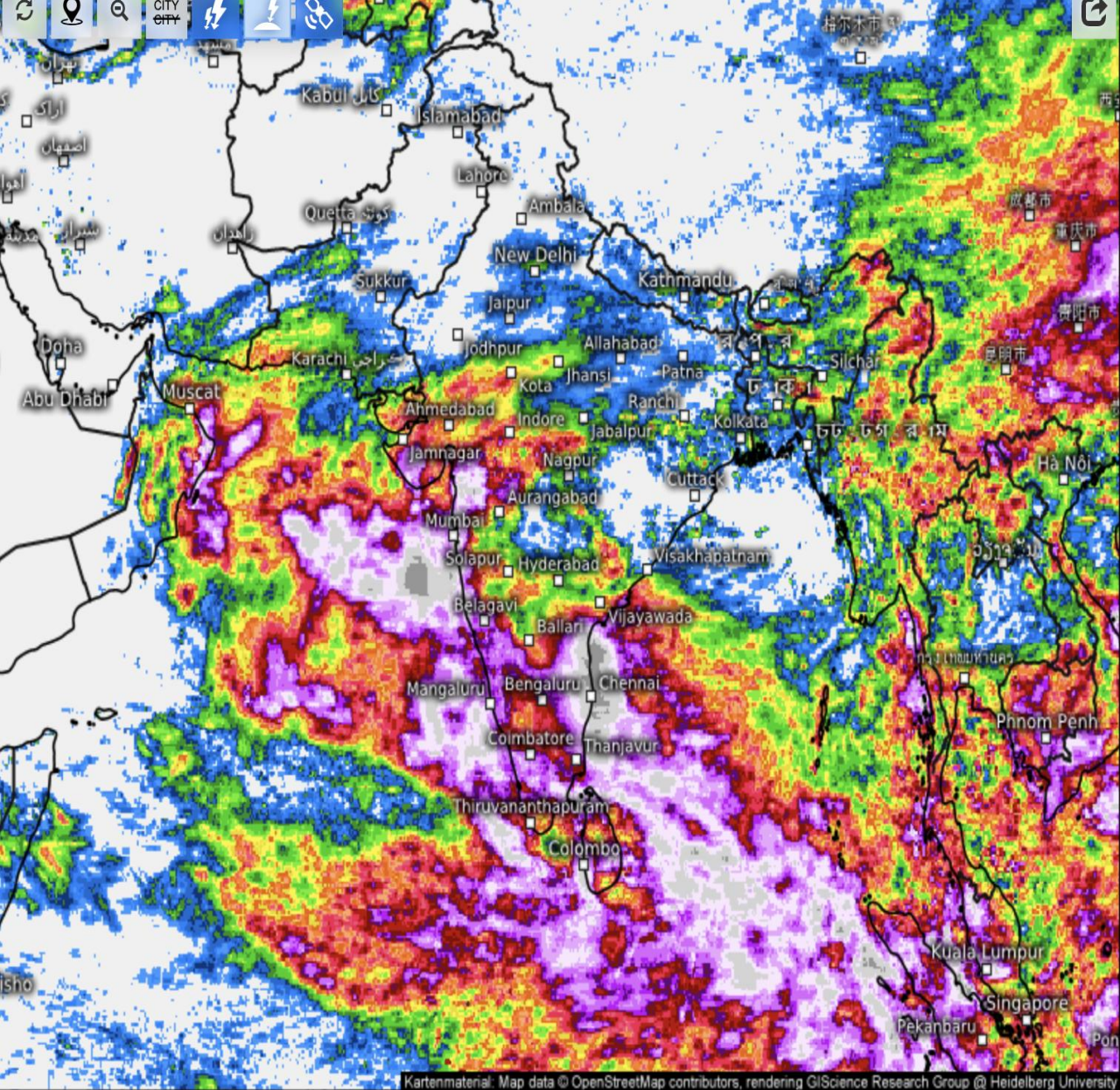






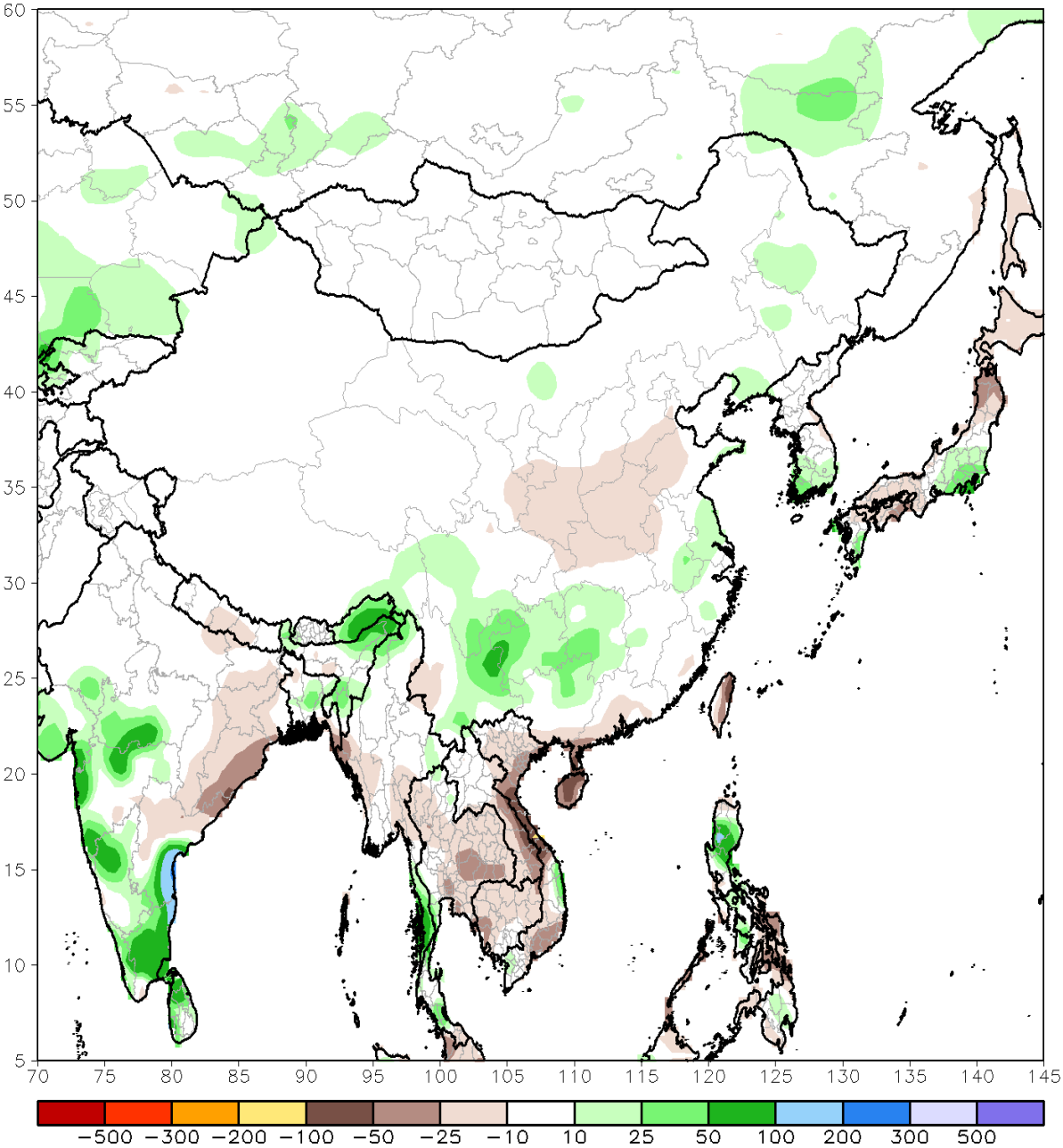
Thu 17 Oct 2024 00 UTC (T+168)





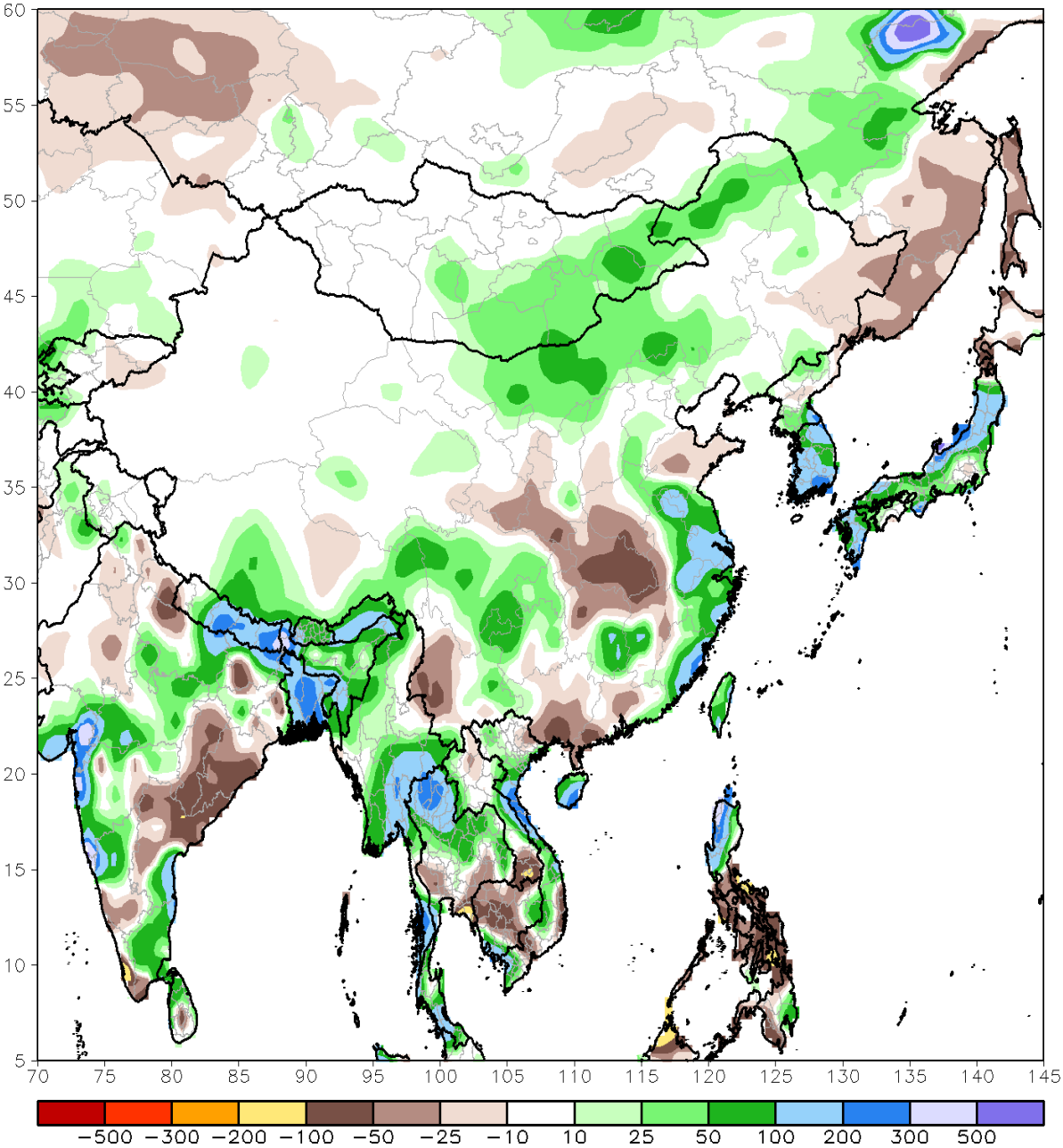
CPC Unified Gauge 7-Day Total Rainfall Anomaly (mm)

Period: 09Oct2024 - 15Oct2024

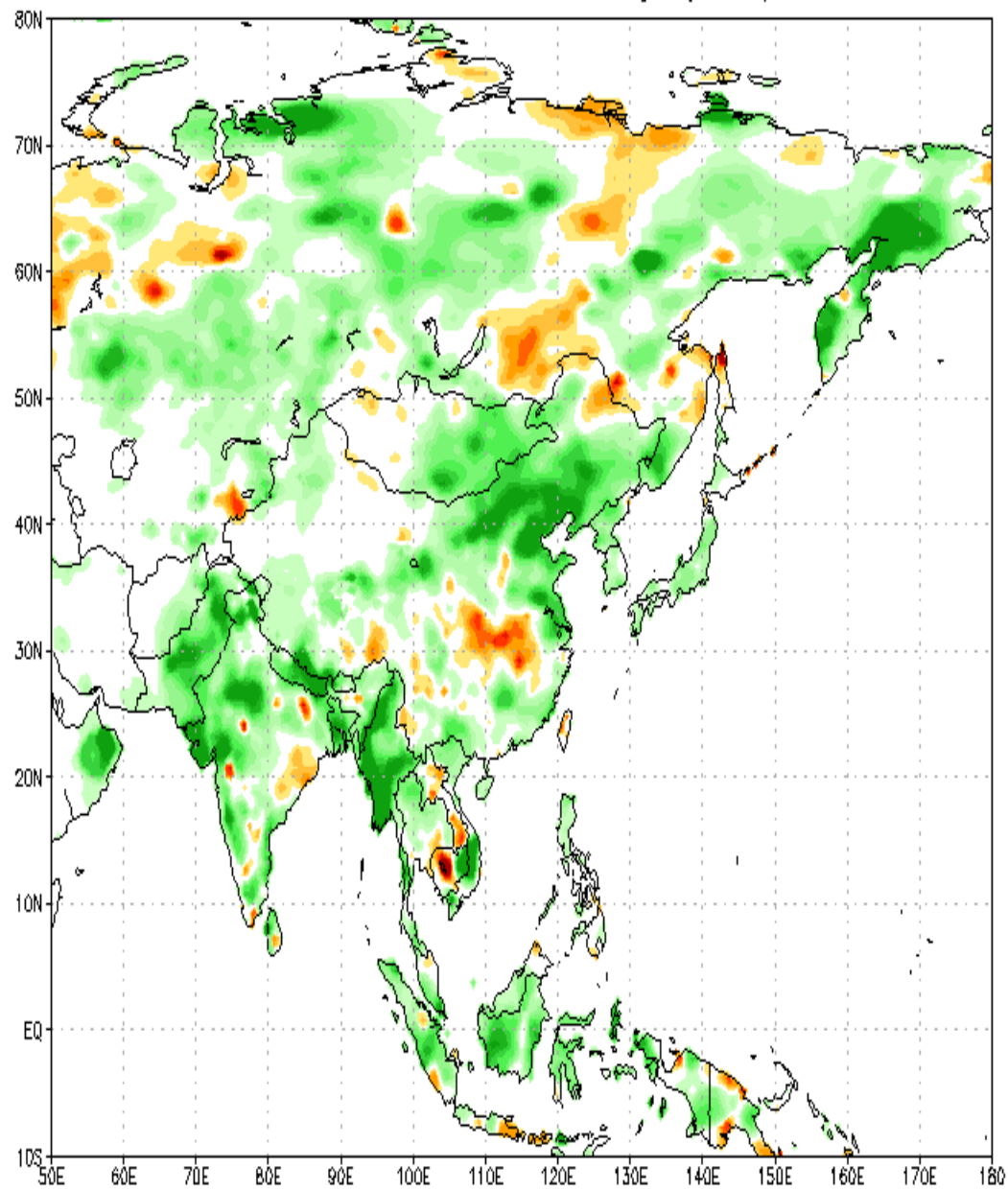


CPC Unified Gauge 30-Day Total Rainfall Anomaly (mm)

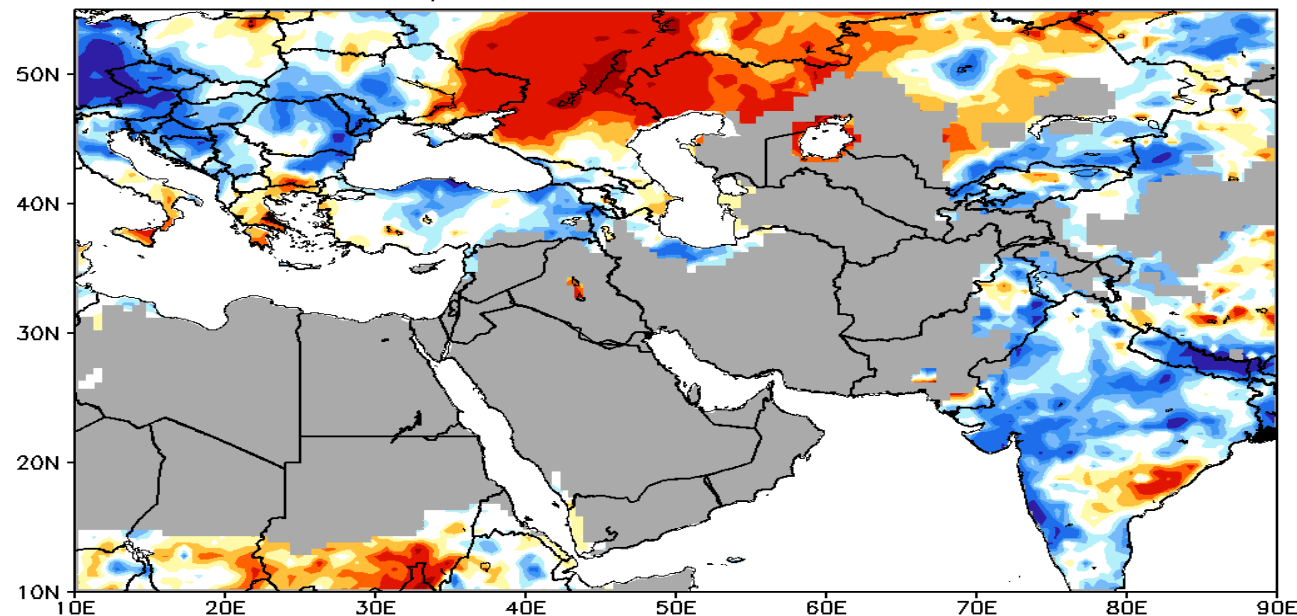
Period: 16Sep2024 - 15Oct2024



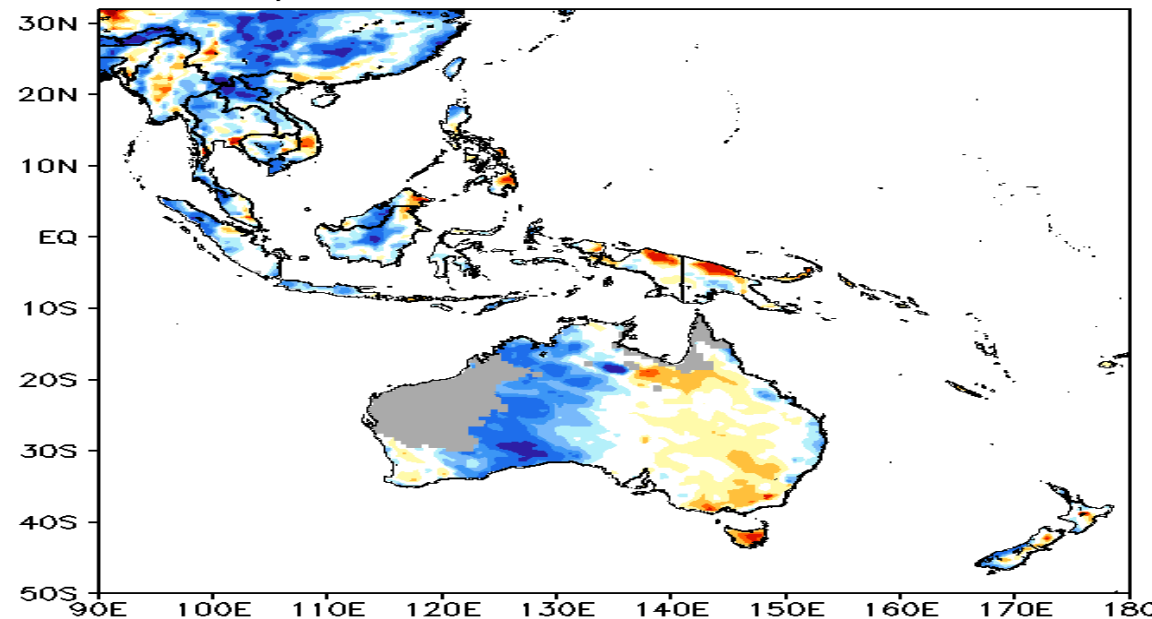
Calculated Soil Moisture Anomaly (mm) 20241015



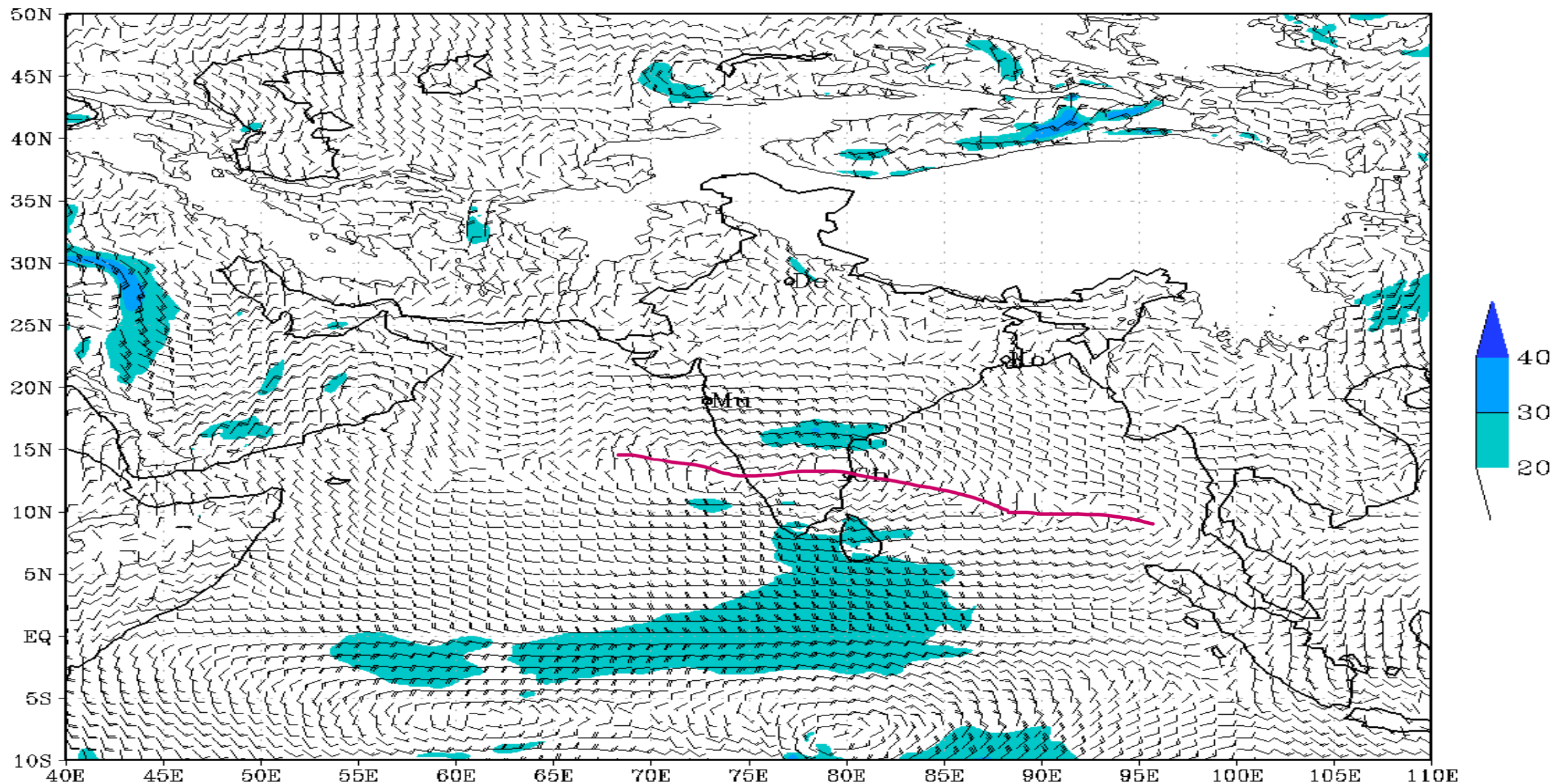
CMORPH ADJ 00Z SPEI 1mo
15 September 2024 – 14 October 2024



CMORPH ADJ 00Z SPEI 1mo
15 September 2024 – 14 October 2024

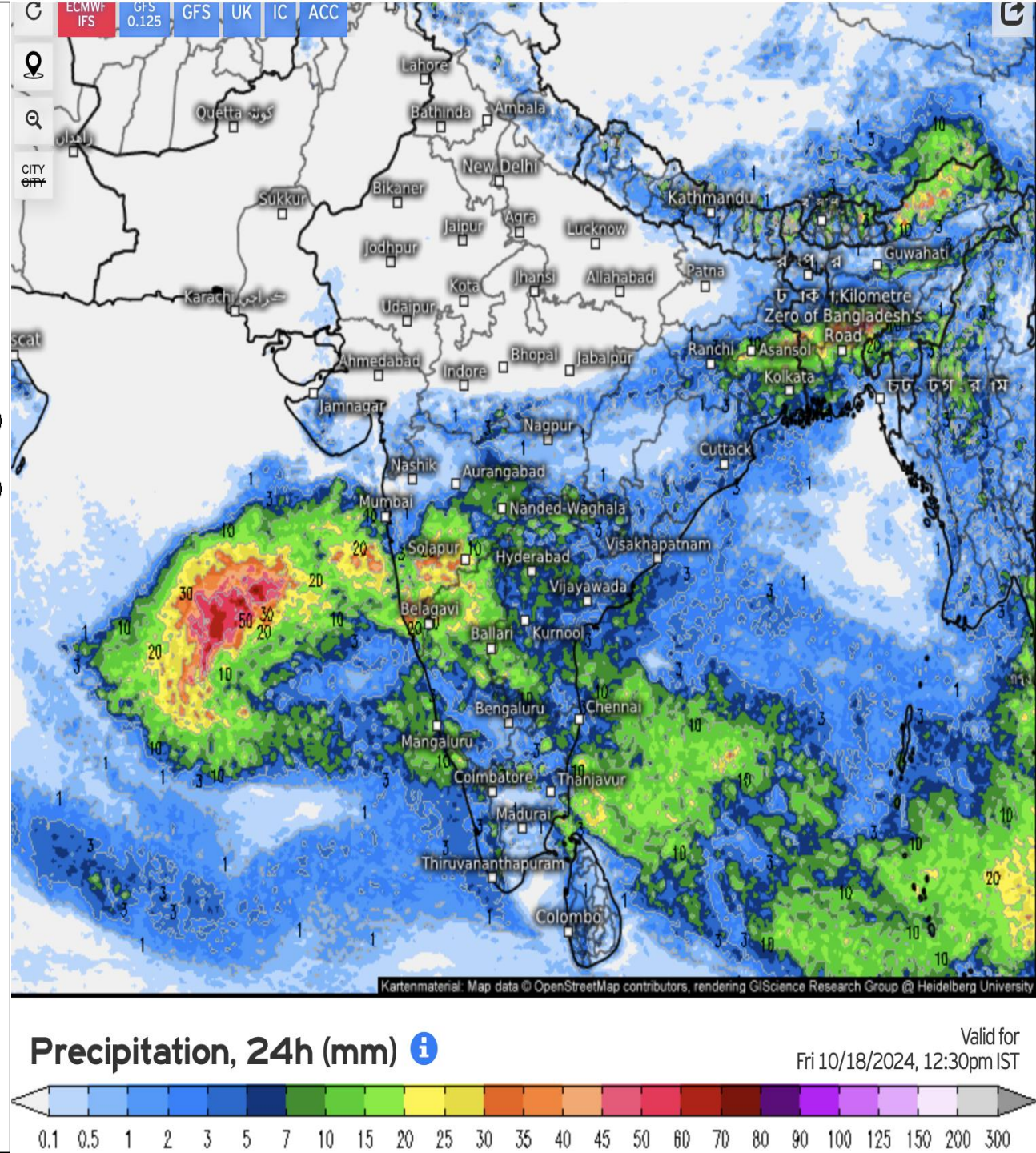
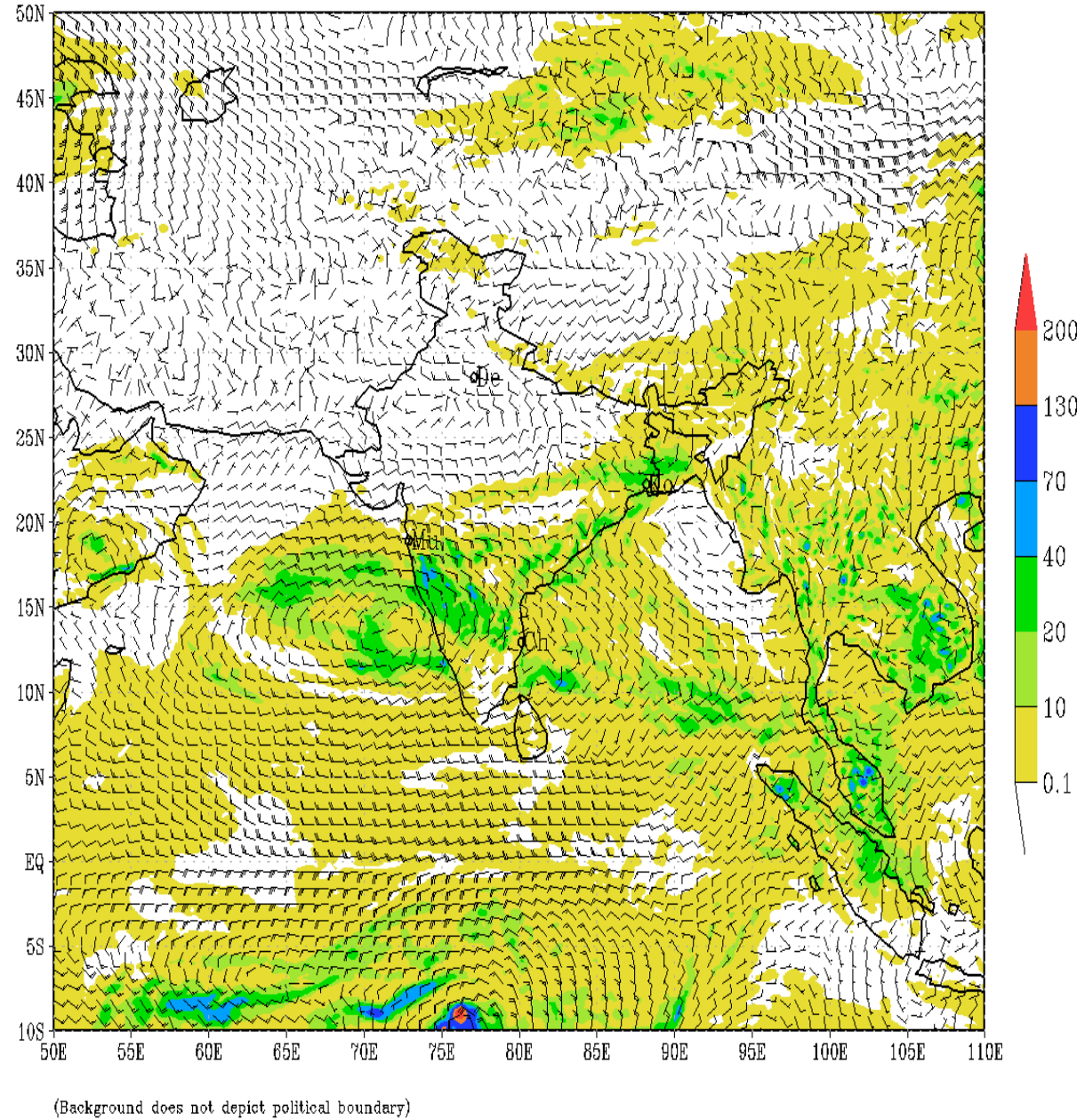


IMD:GFS MODEL(12 Km) 850 hPa WIND (kt) FORECAST (00 HR)
based on 00 UTC of 17-10-2024 valid for 00 UTC of 17-10-2024

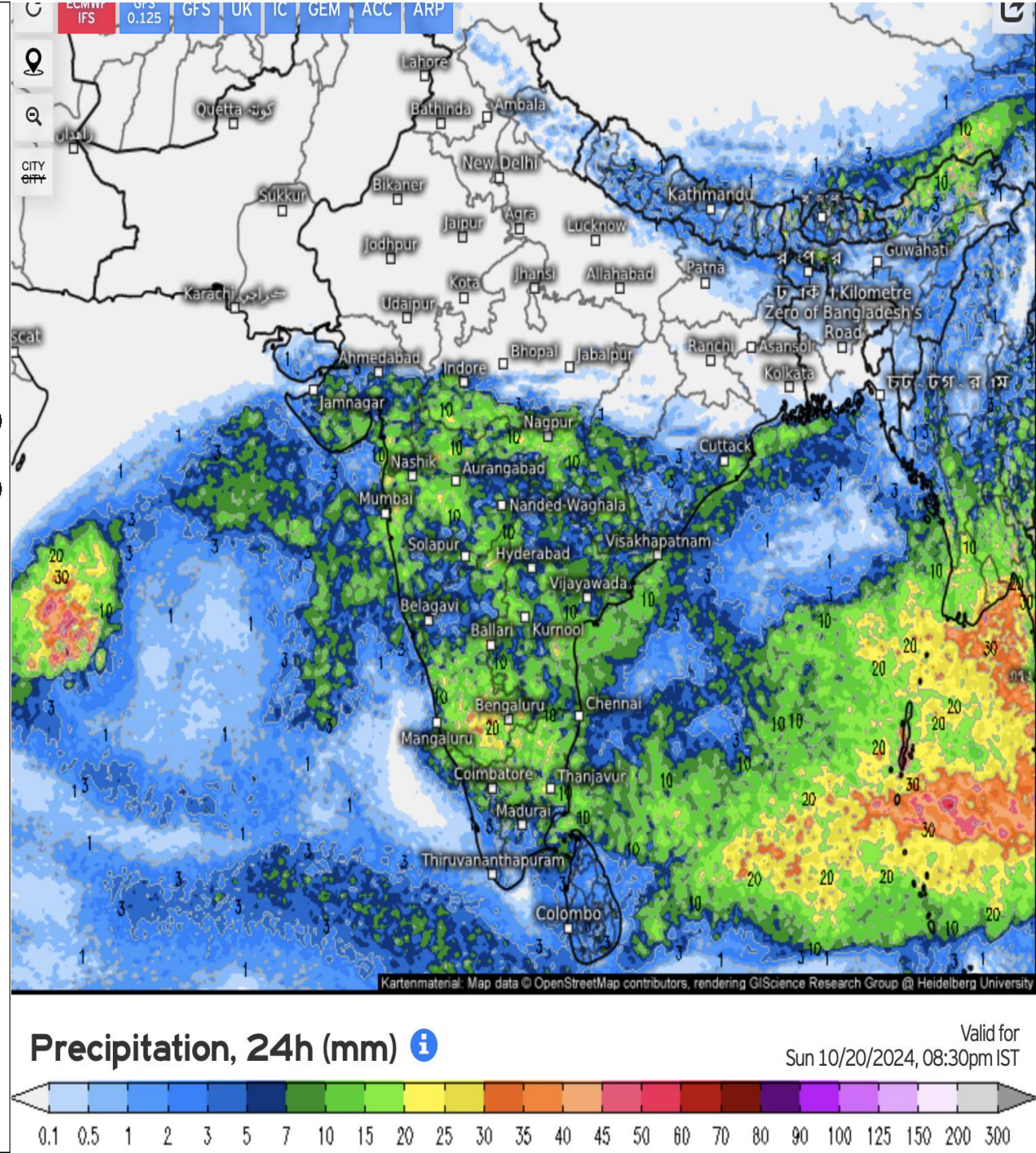
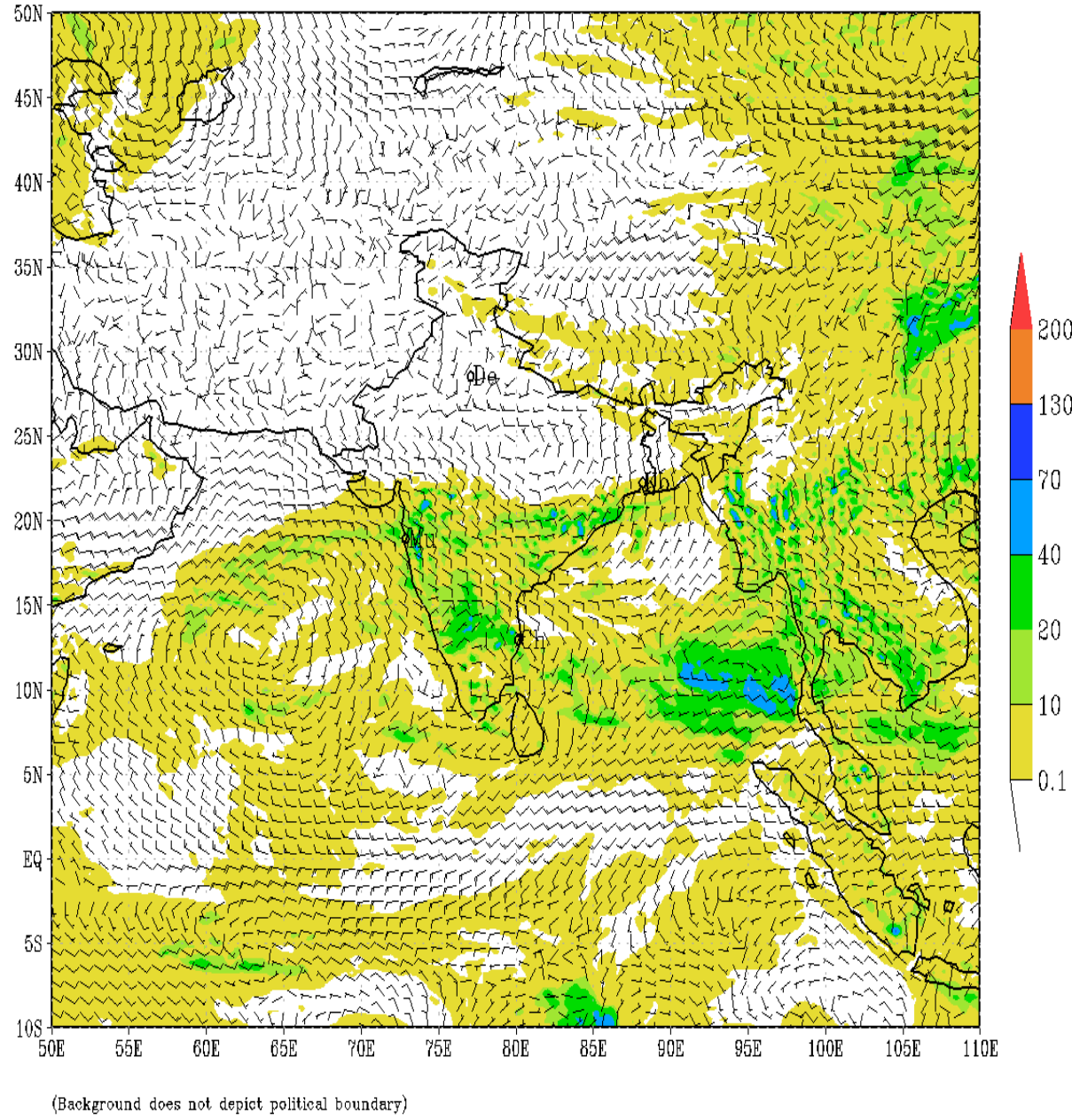


(Background does not depict political boundary)

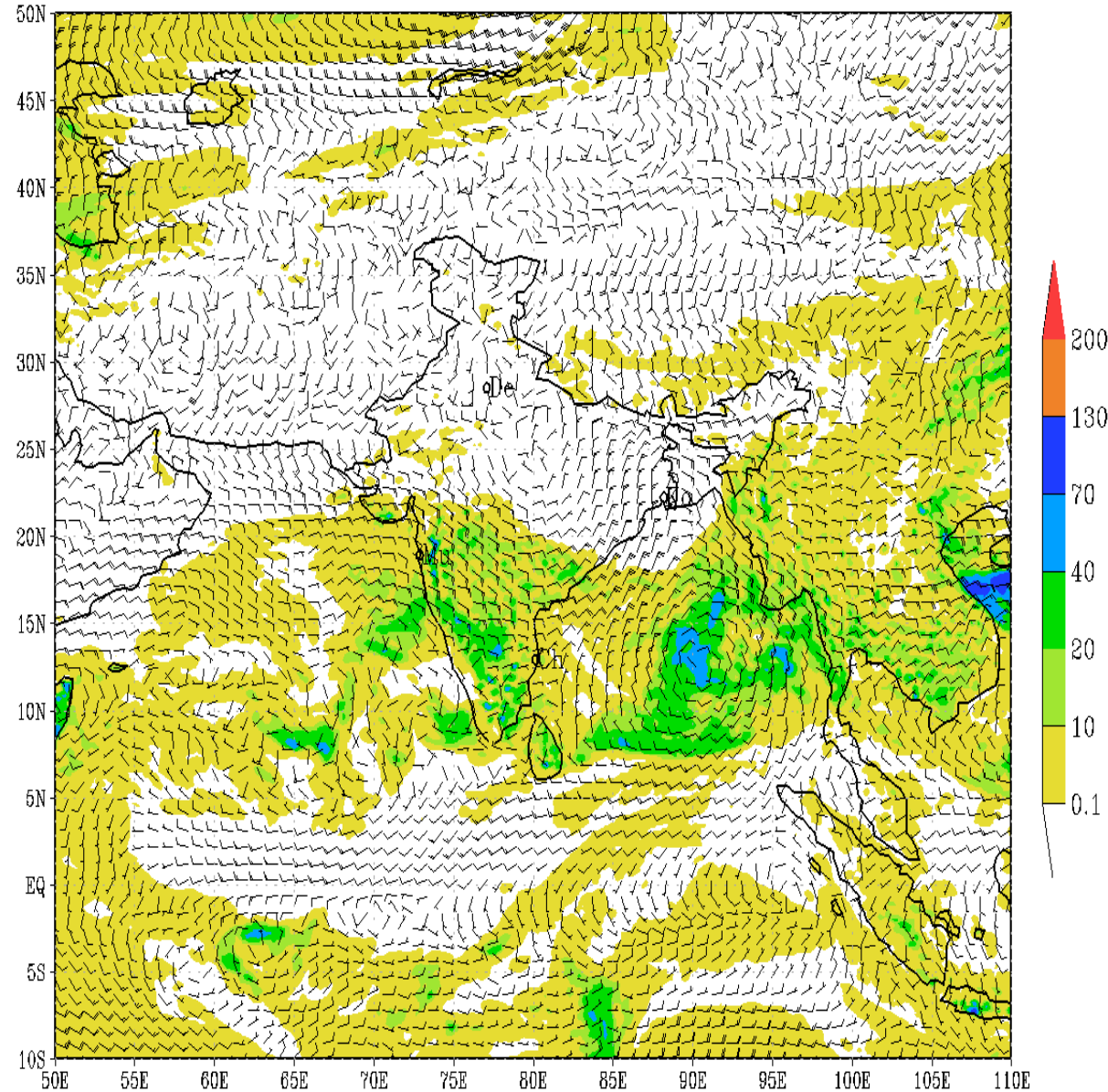
IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (24 HR)
based on 00 UTC of 17-10-2024 valid for 03 UTC of 18-10-2024



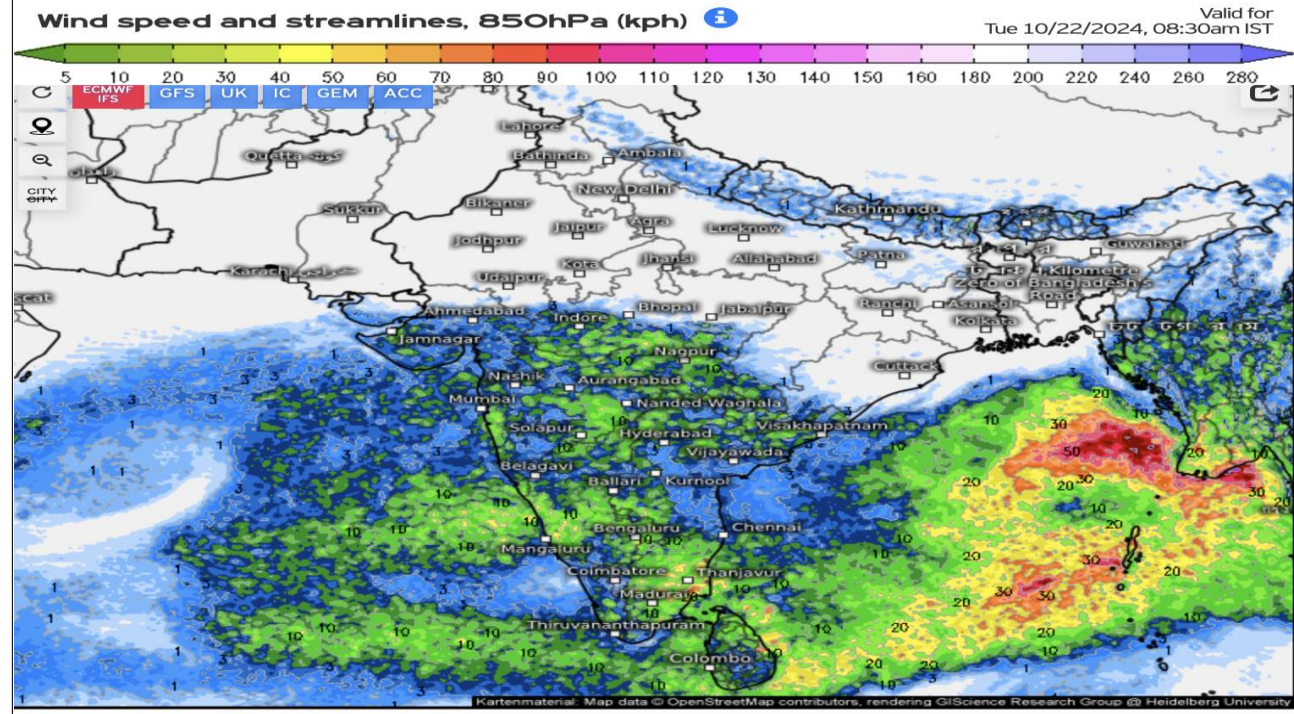
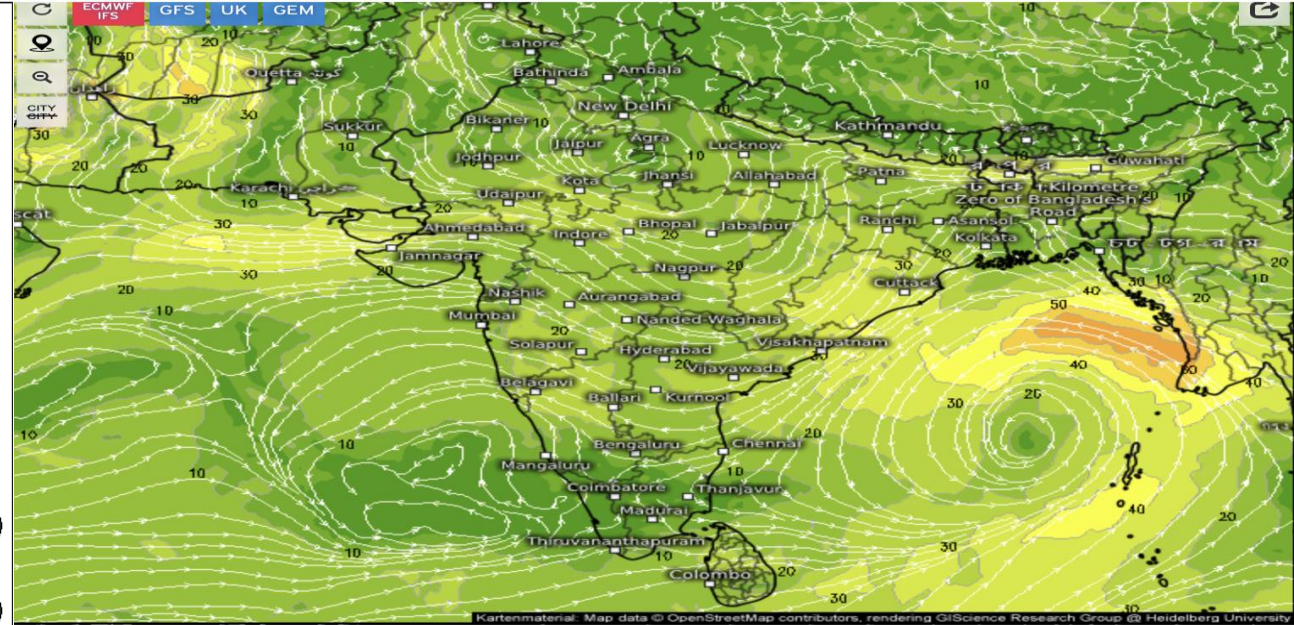
IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (72 HR)
based on 00 UTC of 17-10-2024 valid for 03 UTC of 20-10-2024



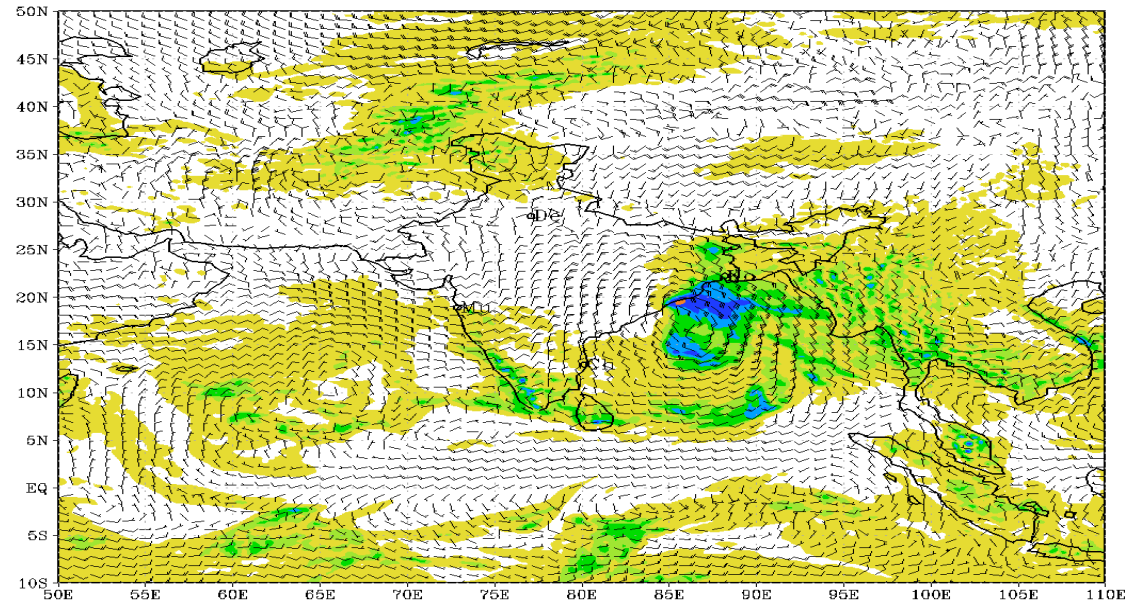
IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (120 HR)
based on 00 UTC of 17-10-2024 valid for 03 UTC of 22-10-2024



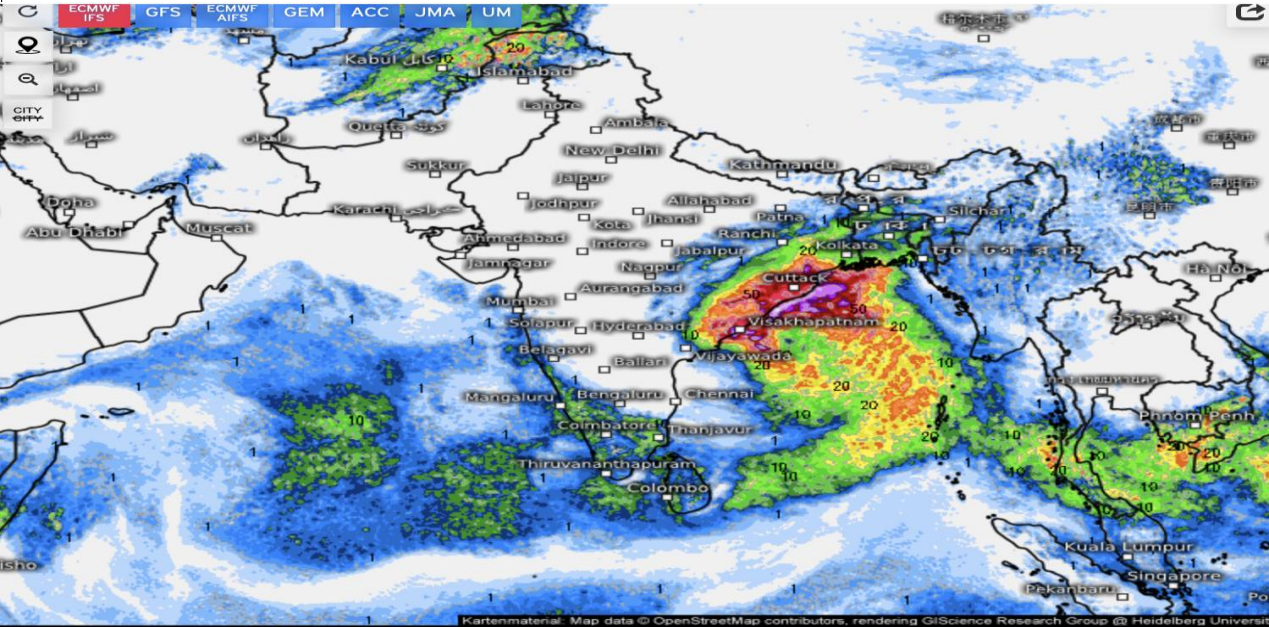
(Background does not depict political boundary)



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

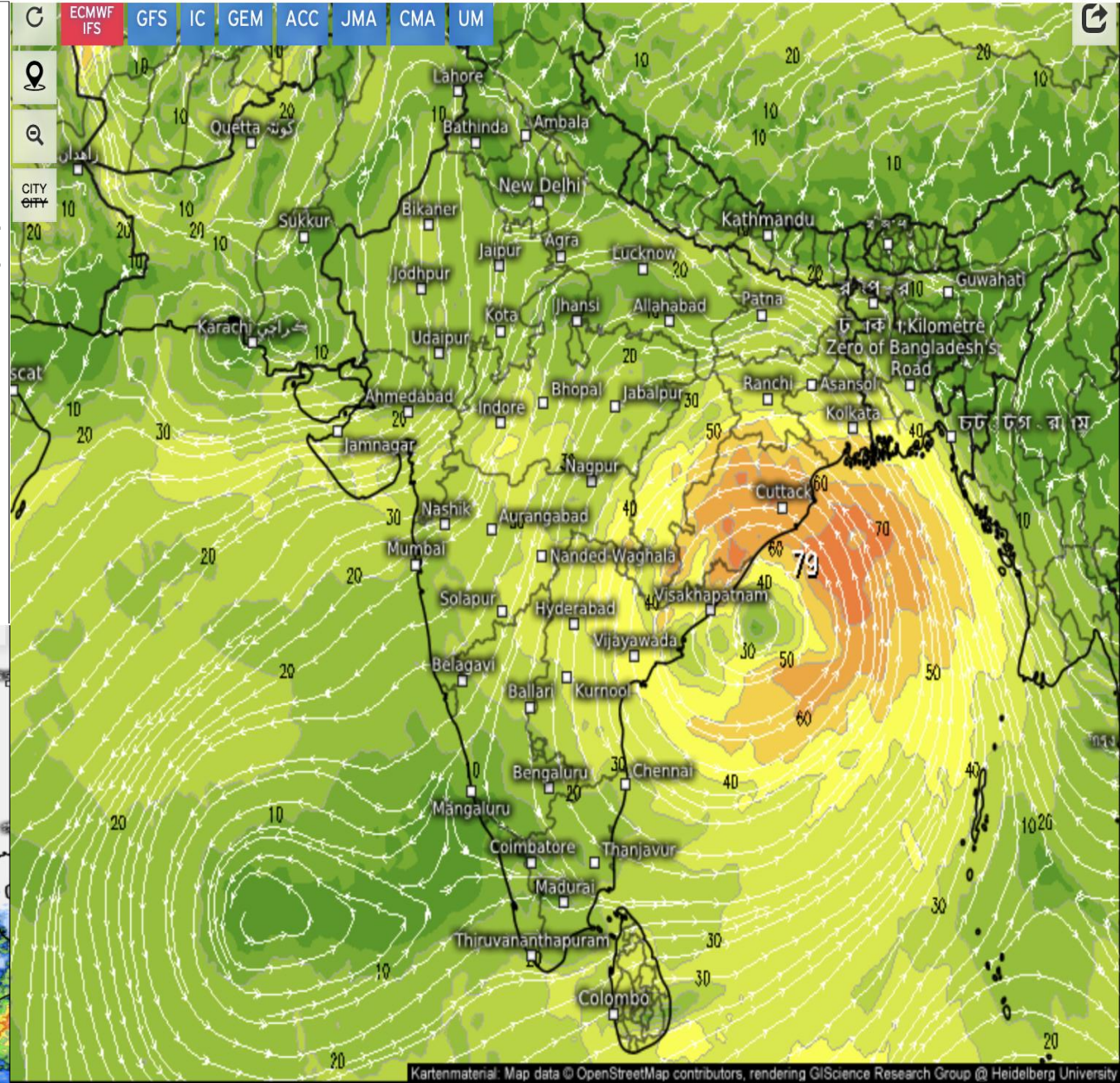
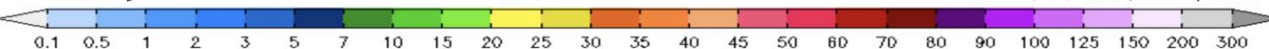


(Background does not depict political boundary)



Precipitation, 24h (mm)

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

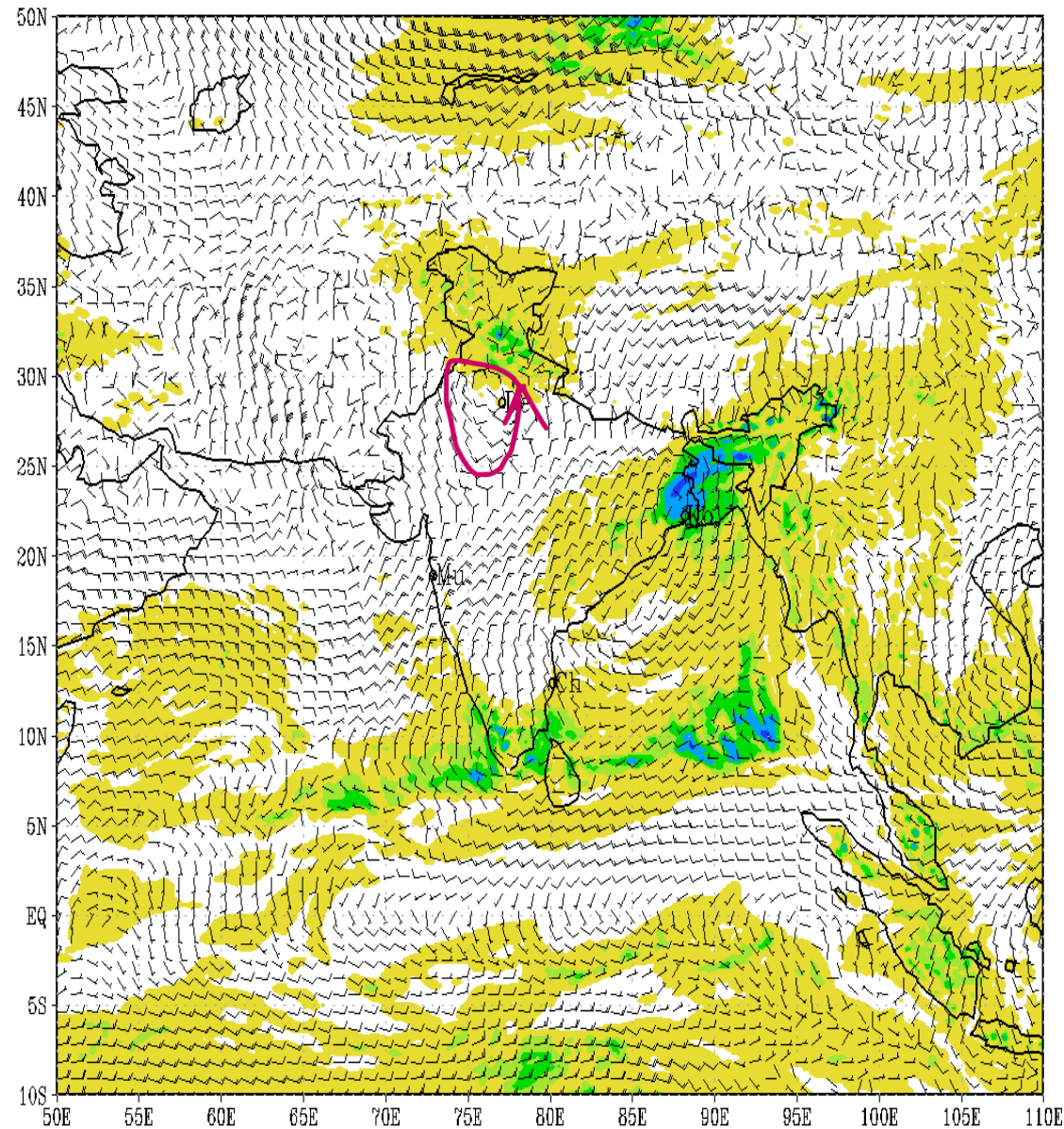


Wind speed and streamlines, 850hPa (kph)

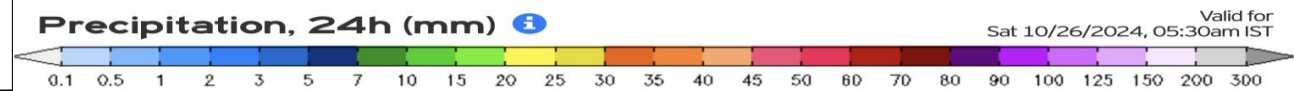
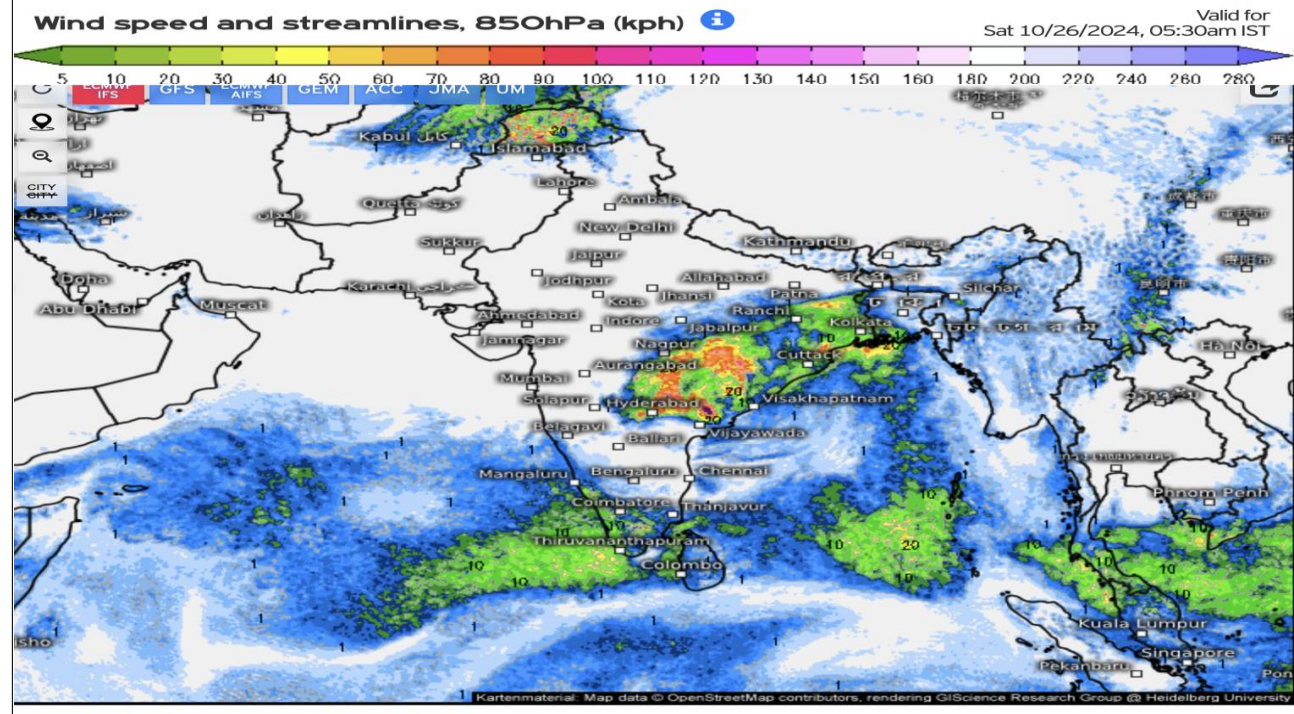
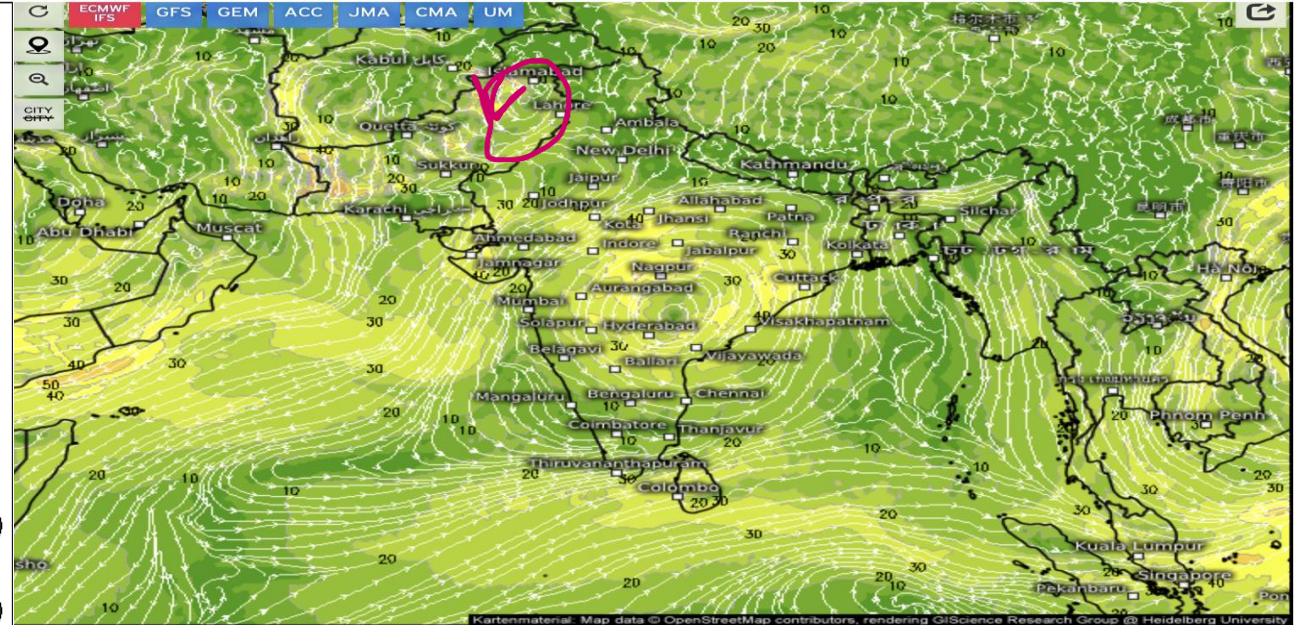
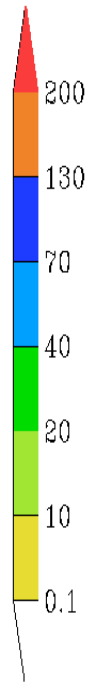
Valid for
Thu 10/24/2024, 11:30am IST

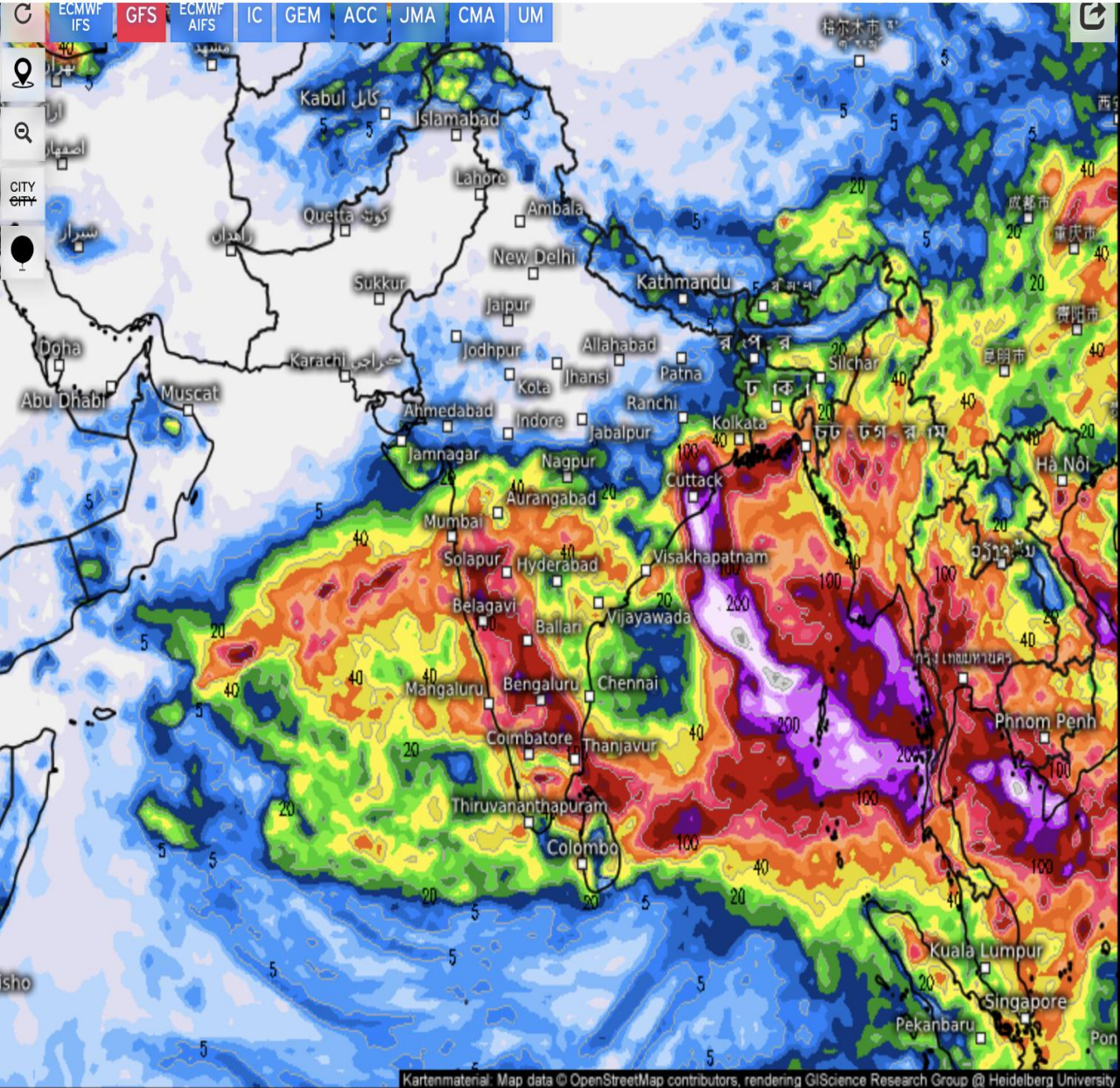
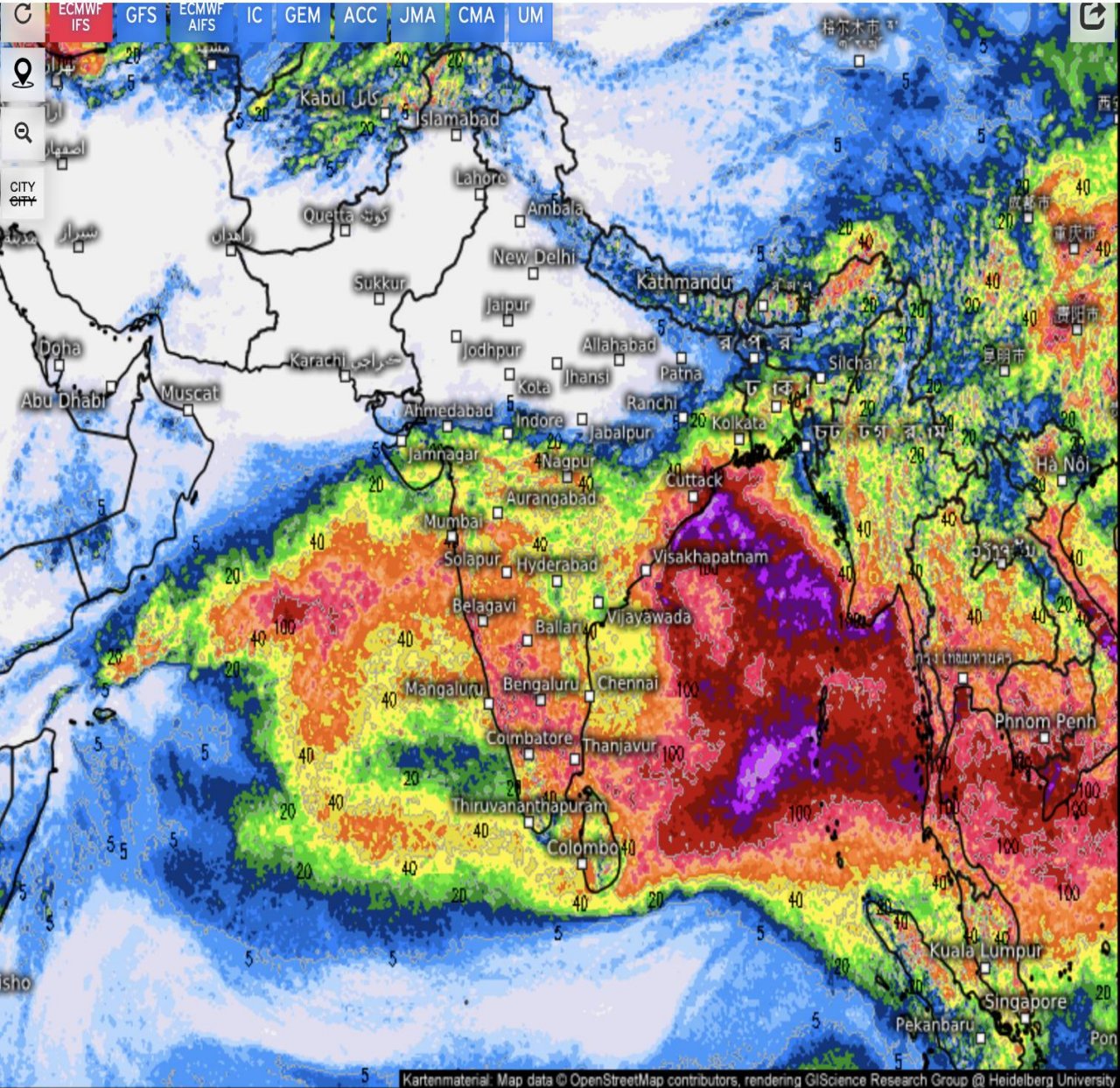


IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (216 HR)
based on 00 UTC of 17-10-2024 valid for 03 UTC of 26-10-2024



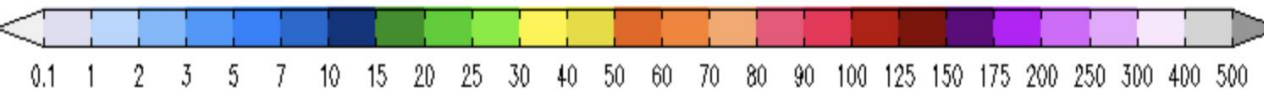
(Background does not depict political boundary)





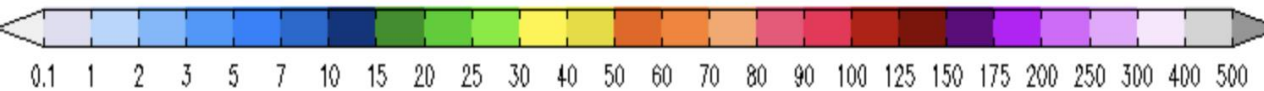
Accumulated total precipitation (mm) ⓘ

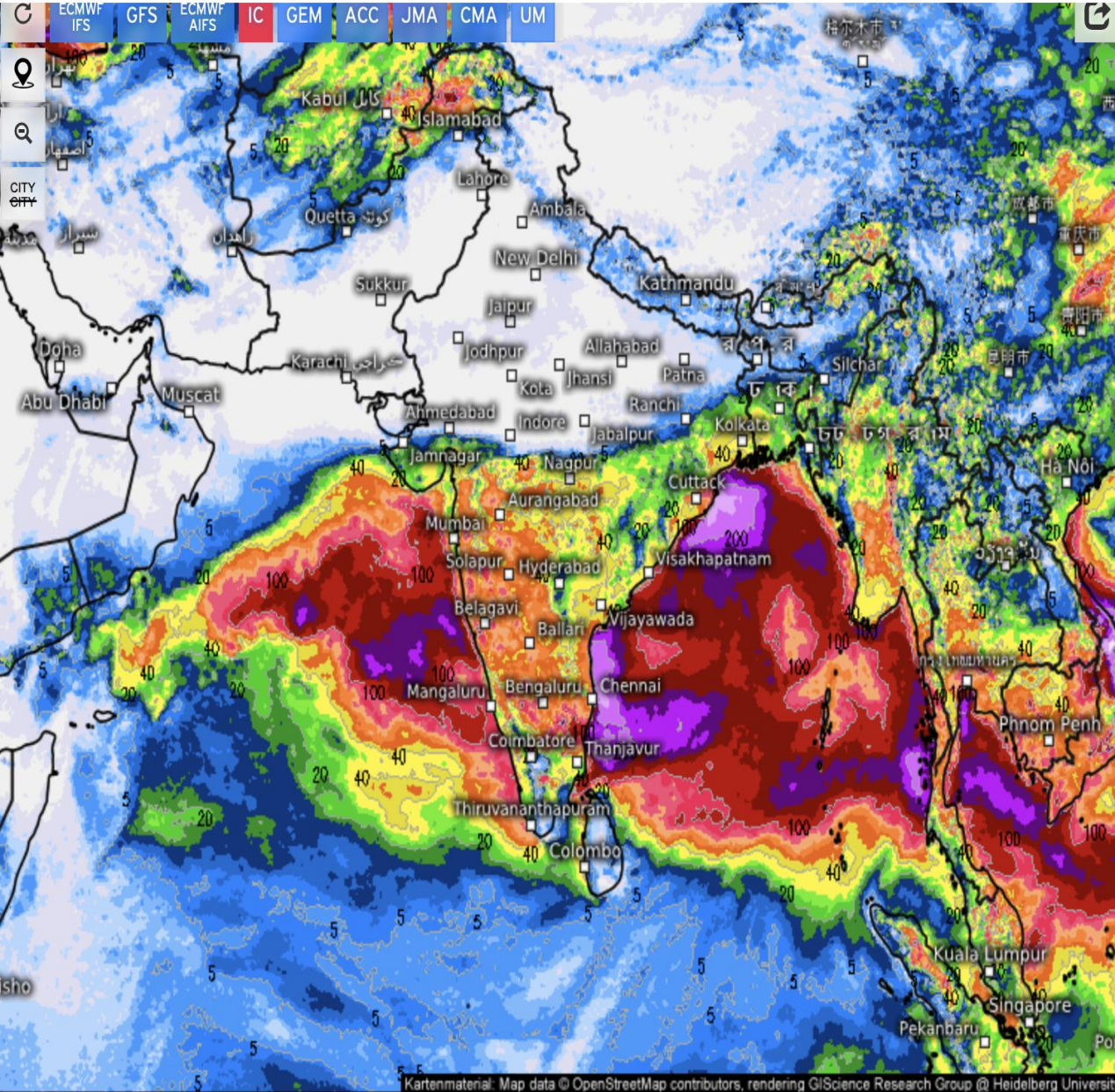
From Thu 10/17/2024, 05:30am IST
to Thu 10/24/2024, 05:30pm IST



Accumulated total precipitation (mm) ⓘ

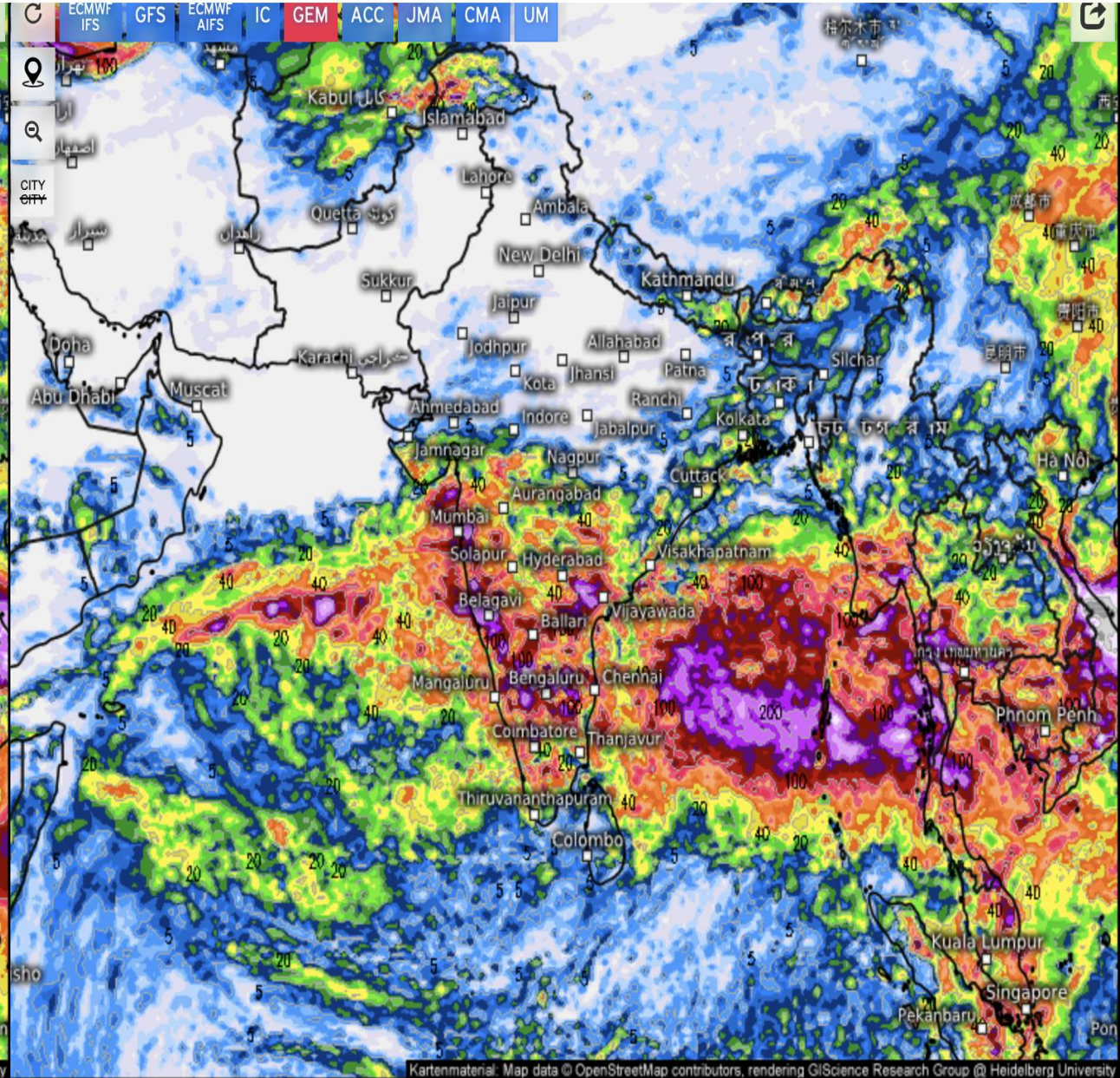
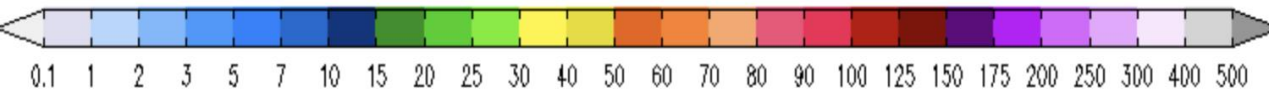
From Thu 10/17/2024, 05:30am IST
to Thu 10/24/2024, 05:30pm IST





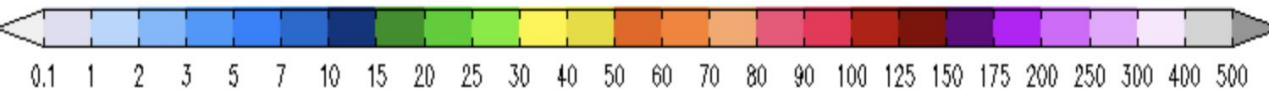
Accumulated total precipitation (mm) 

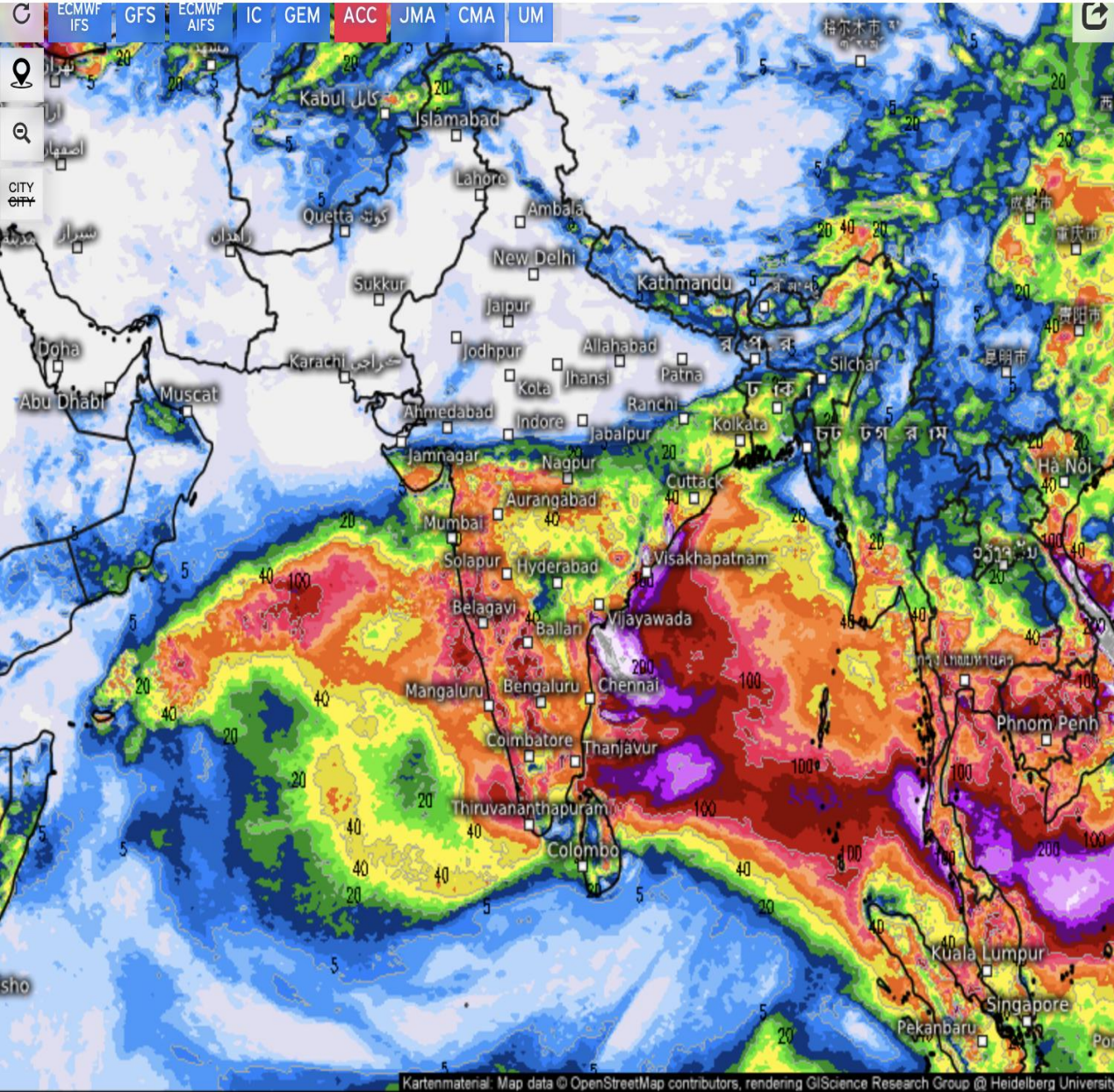
From Thu 10/17/2024, 05:30am IST
to Thu 10/24/2024, 05:30pm IST



Accumulated total precipitation (mm) 

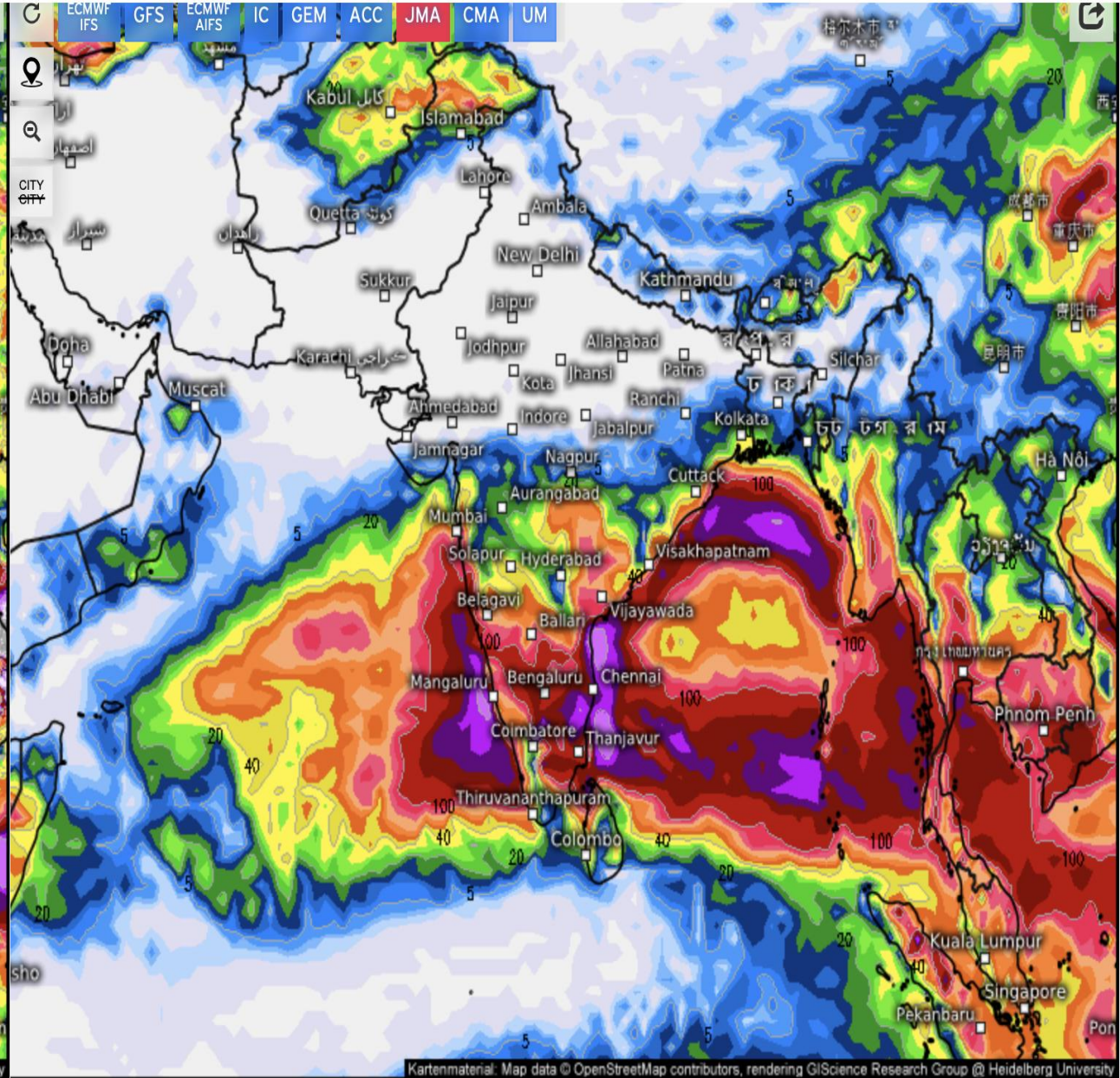
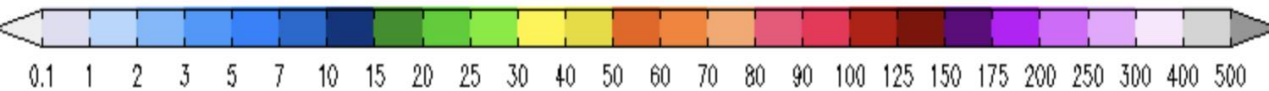
From Thu 10/17/2024, 05:30am IST
to Thu 10/24/2024, 05:30pm IST





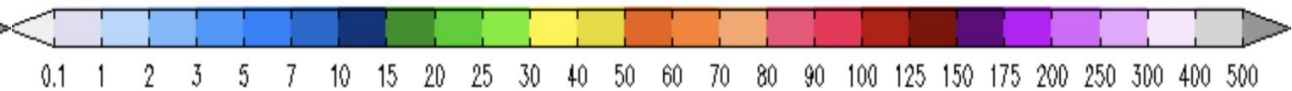
Accumulated total precipitation (mm) ⓘ

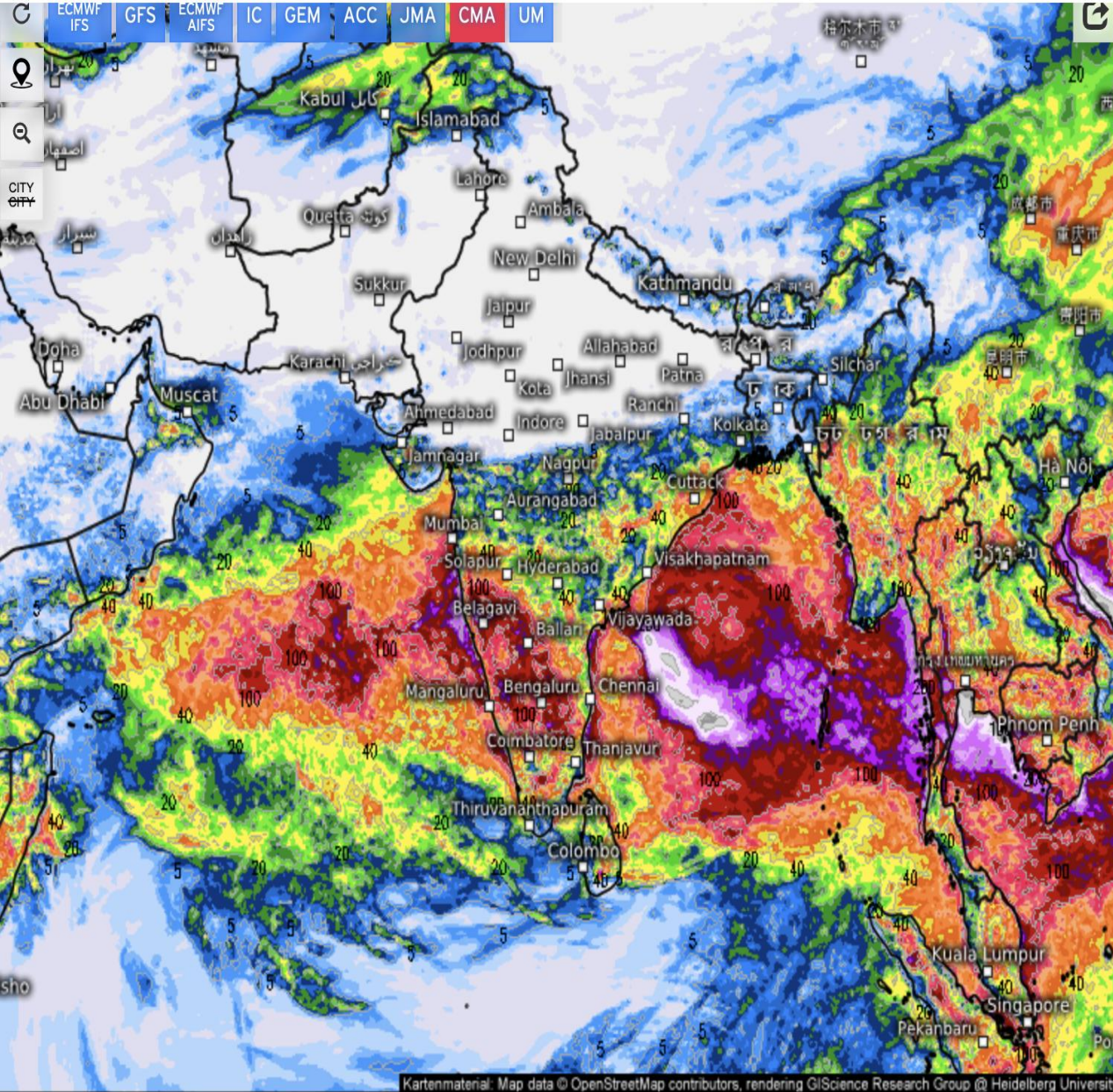
From Thu 10/17/2024, 05:30am IST
to Thu 10/24/2024, 05:30pm IST



Accumulated total precipitation (mm)

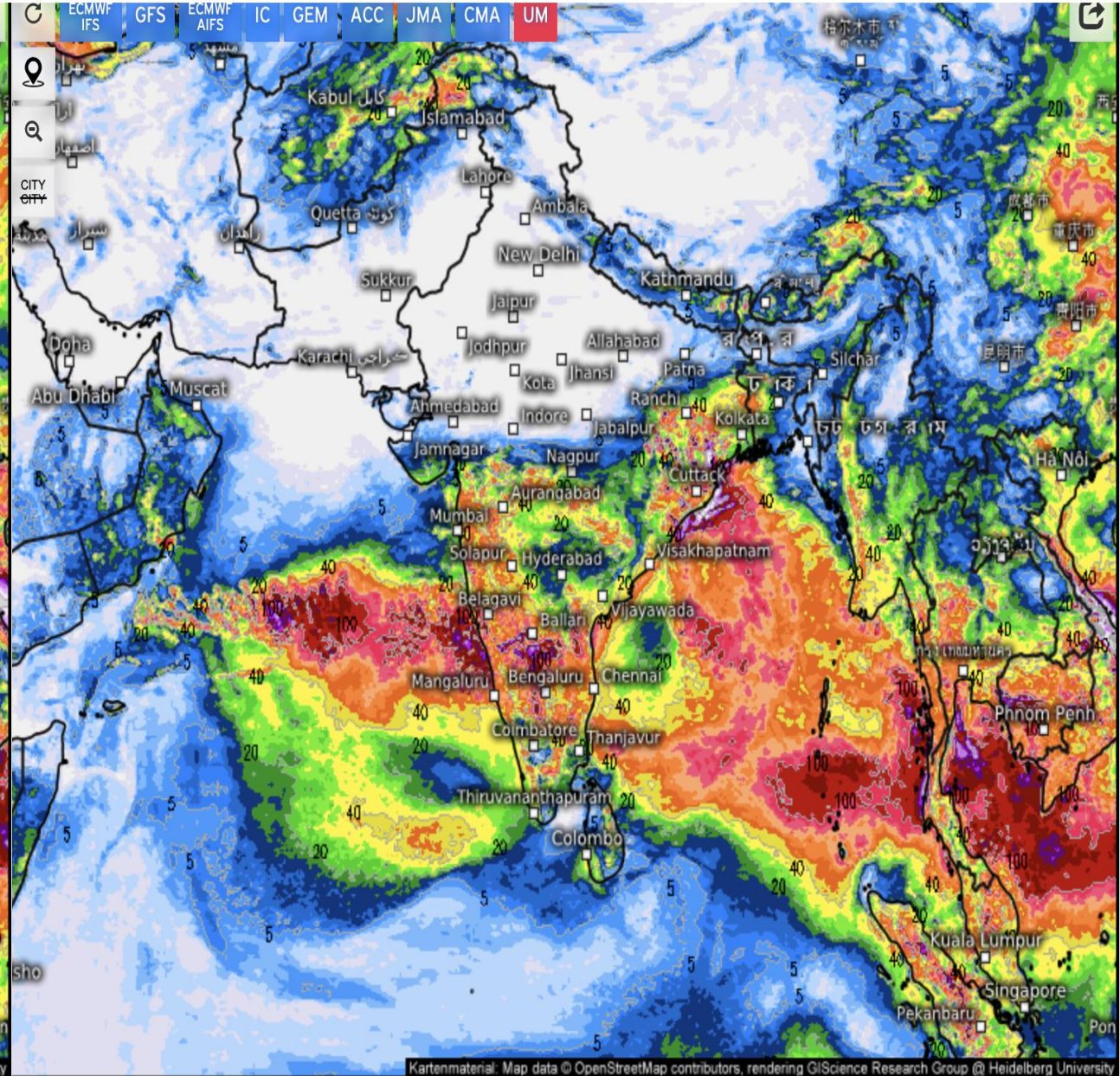
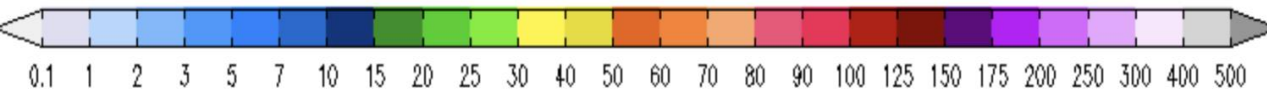
From Wed 10/16/2024, 05:30pm IST
to Thu 10/24/2024, 05:30pm IST





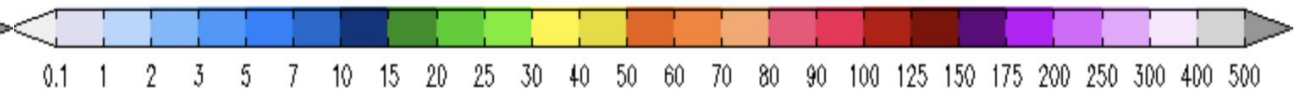
Accumulated total precipitation (mm)

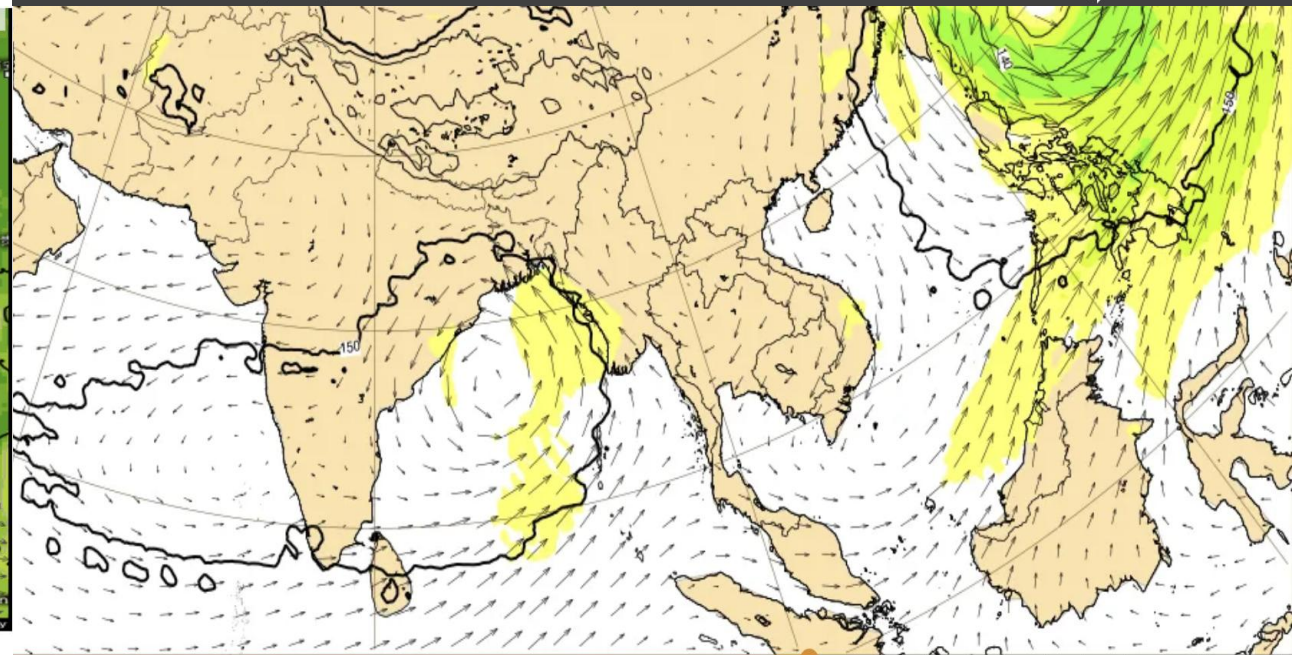
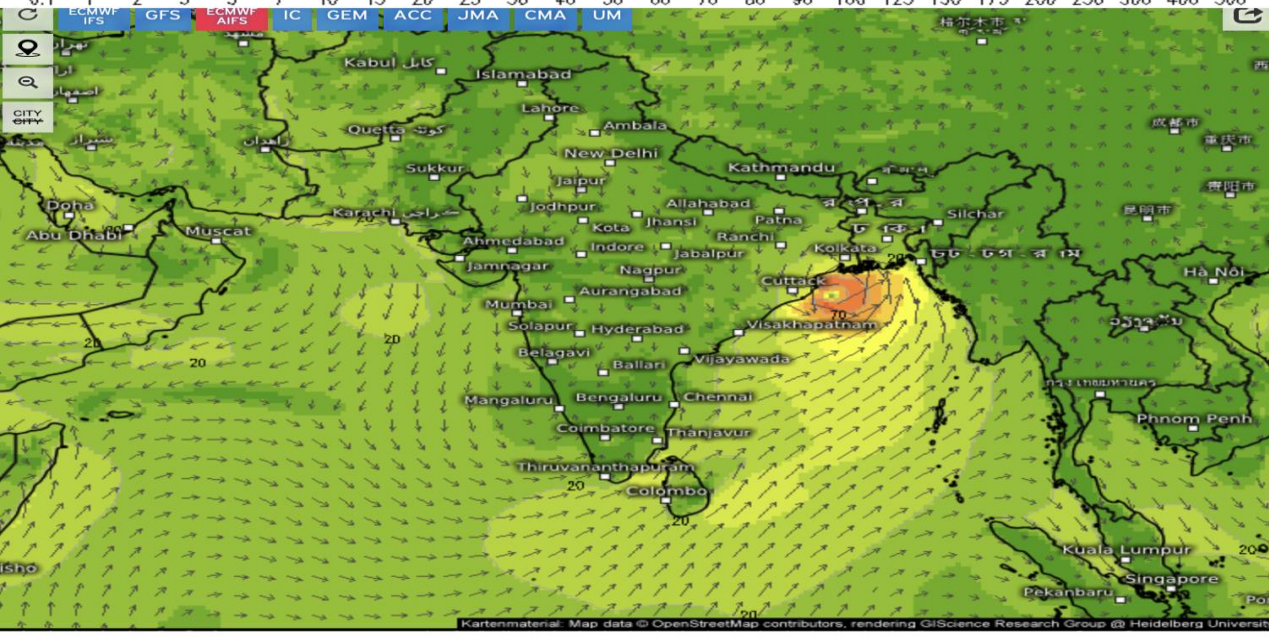
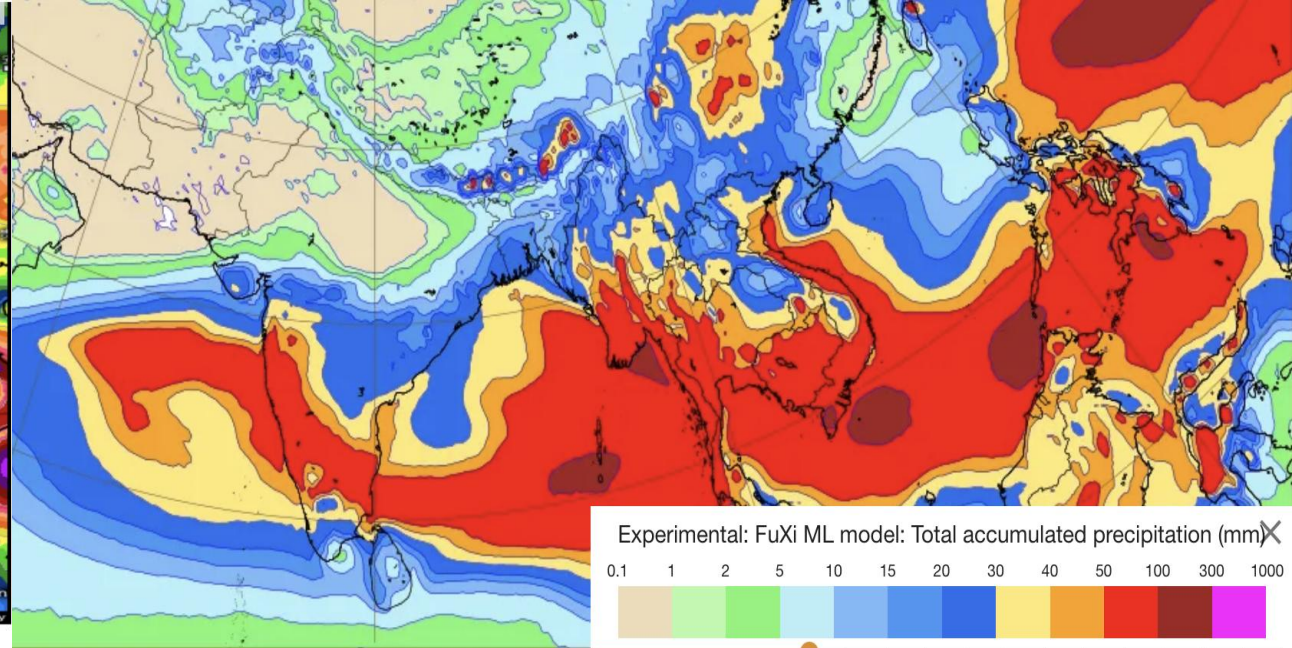
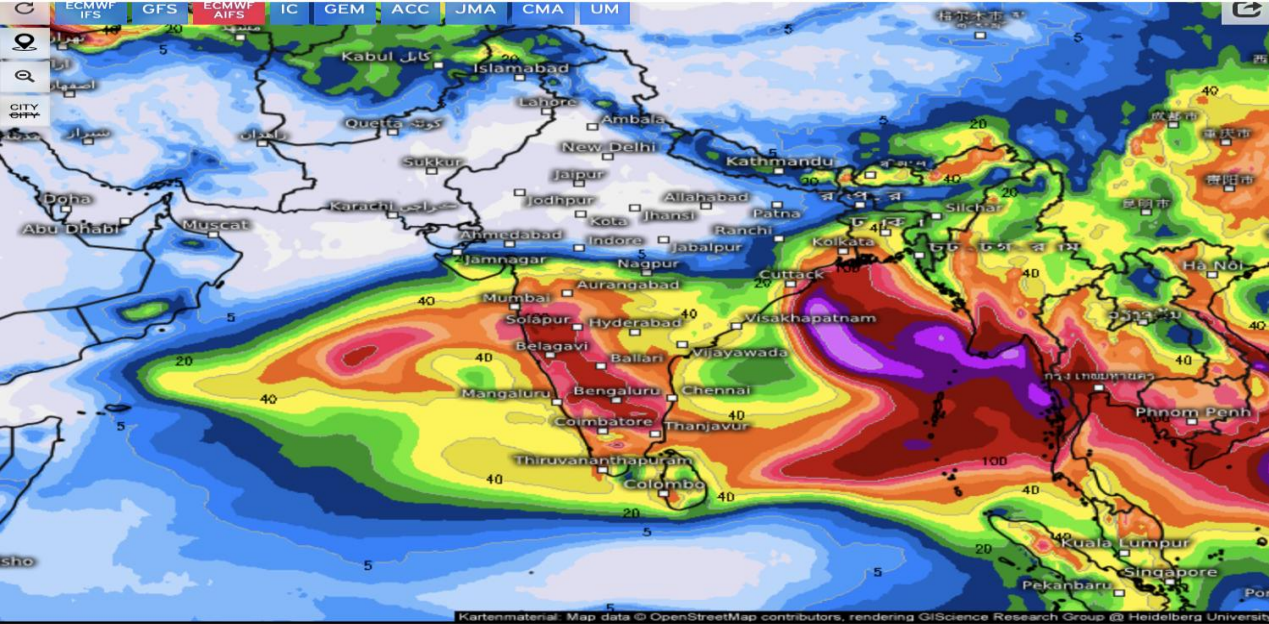
From Wed 10/16/2024, 05:30pm IST
to Thu 10/24/2024, 05:30pm IST

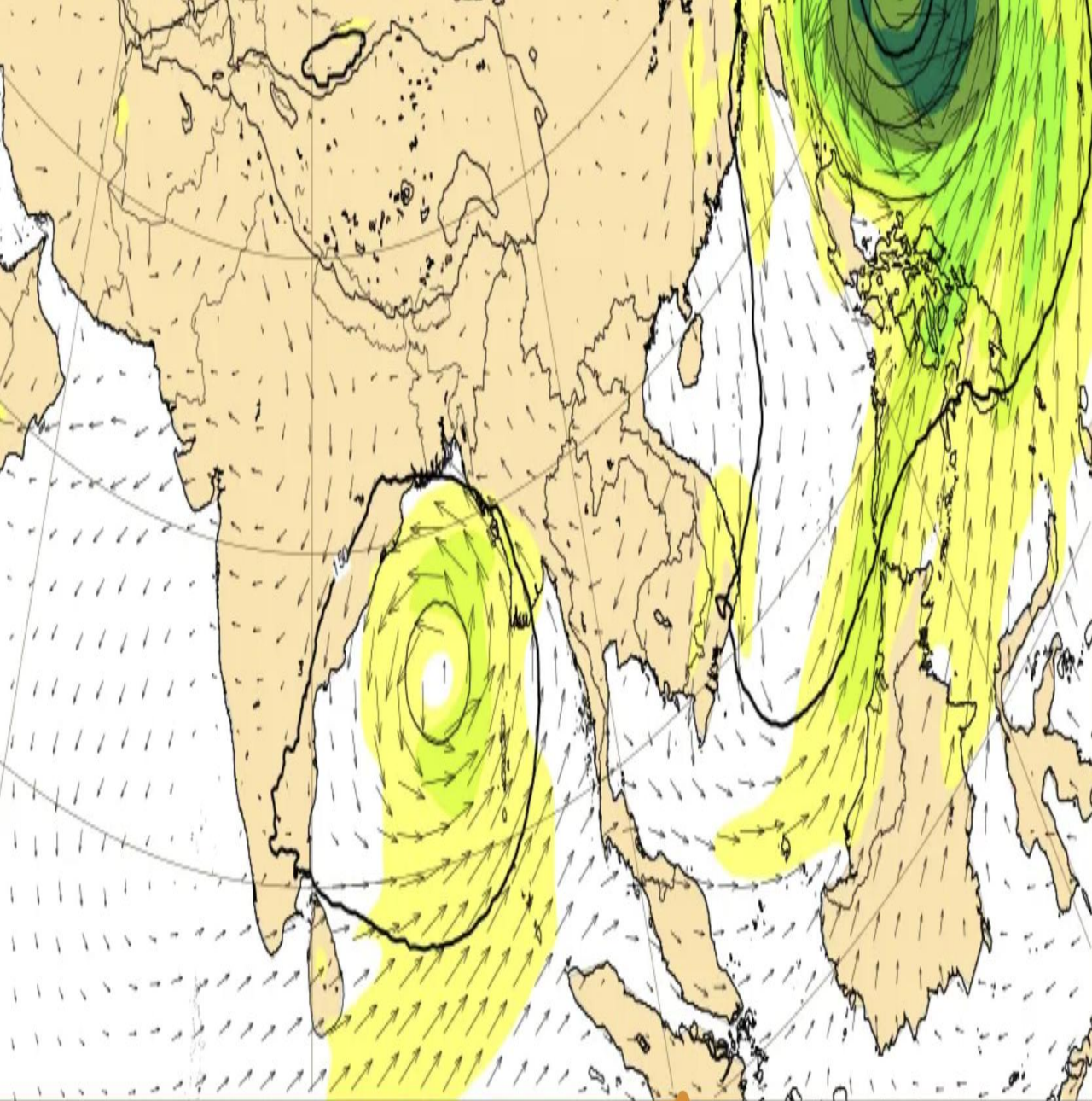


Accumulated total precipitation (mm)

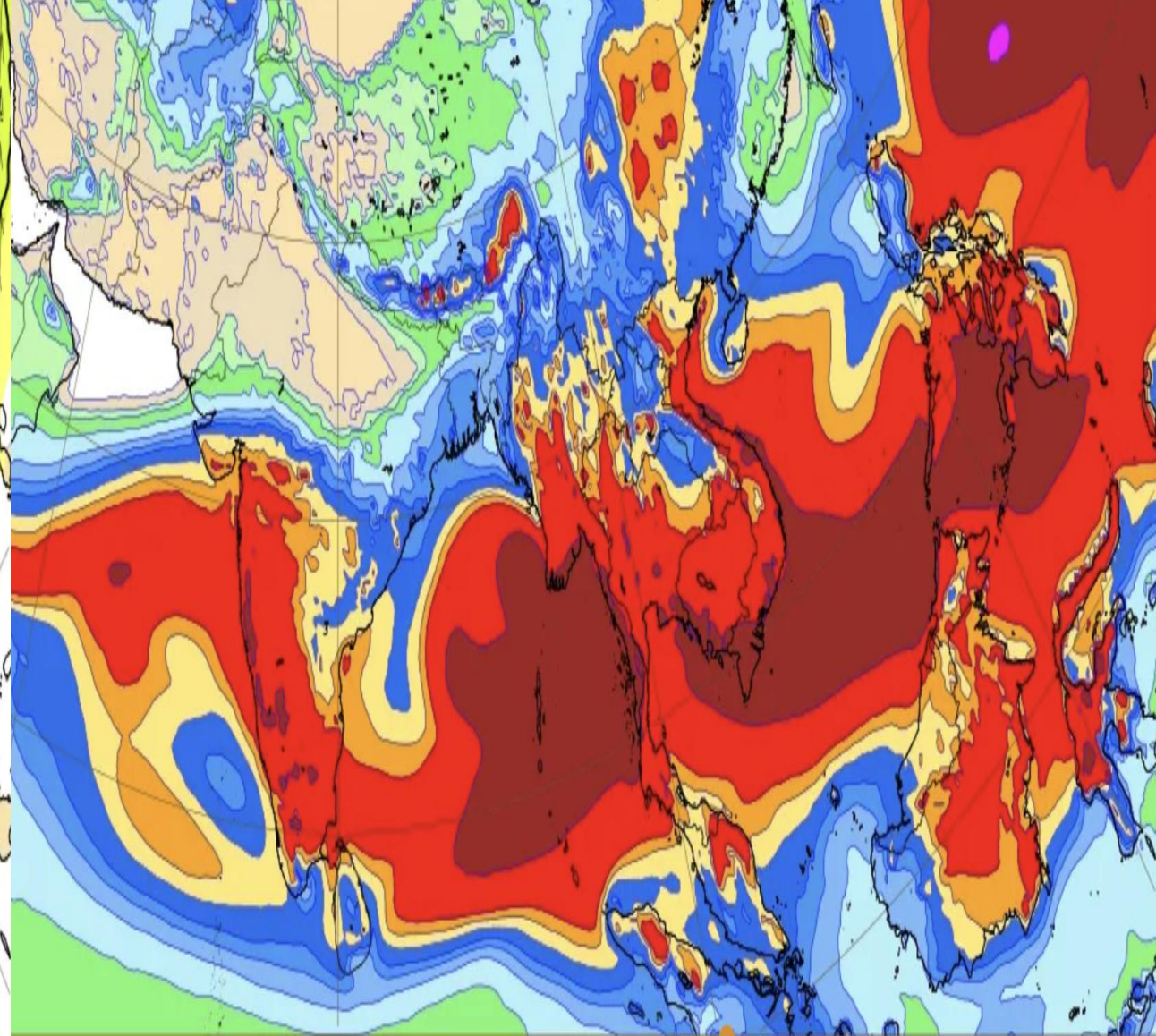
From Wed 10/16/2024, 05:30pm IST
to Thu 10/24/2024, 05:30pm IST







Thu 24 Oct 2024 00 UTC (T+168)



Thu 24 Oct 2024 00 UTC (T+168)

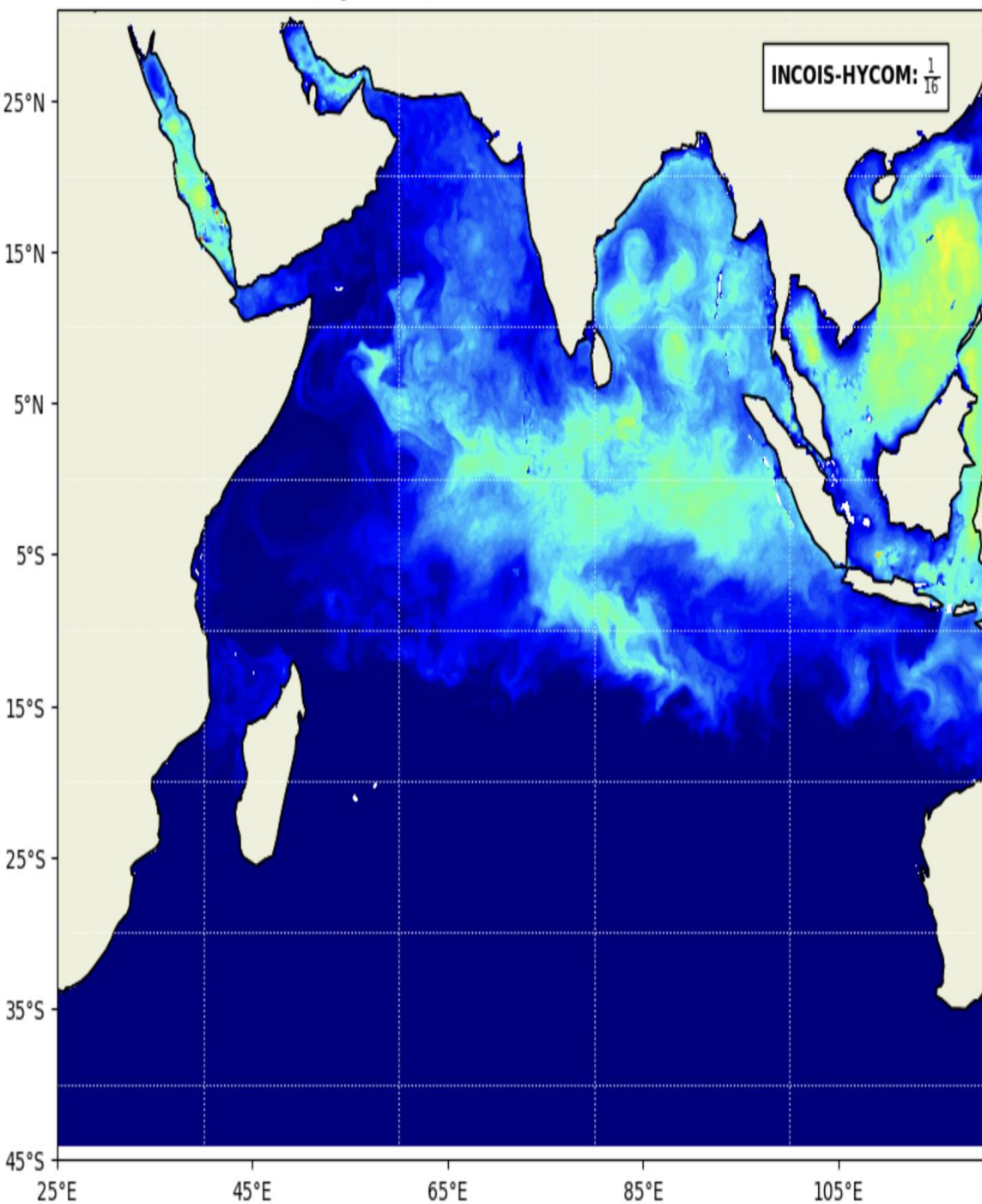


Experimental: GraphCast (Google Deepmind) ML model: Total accumulated precipitation (mm)

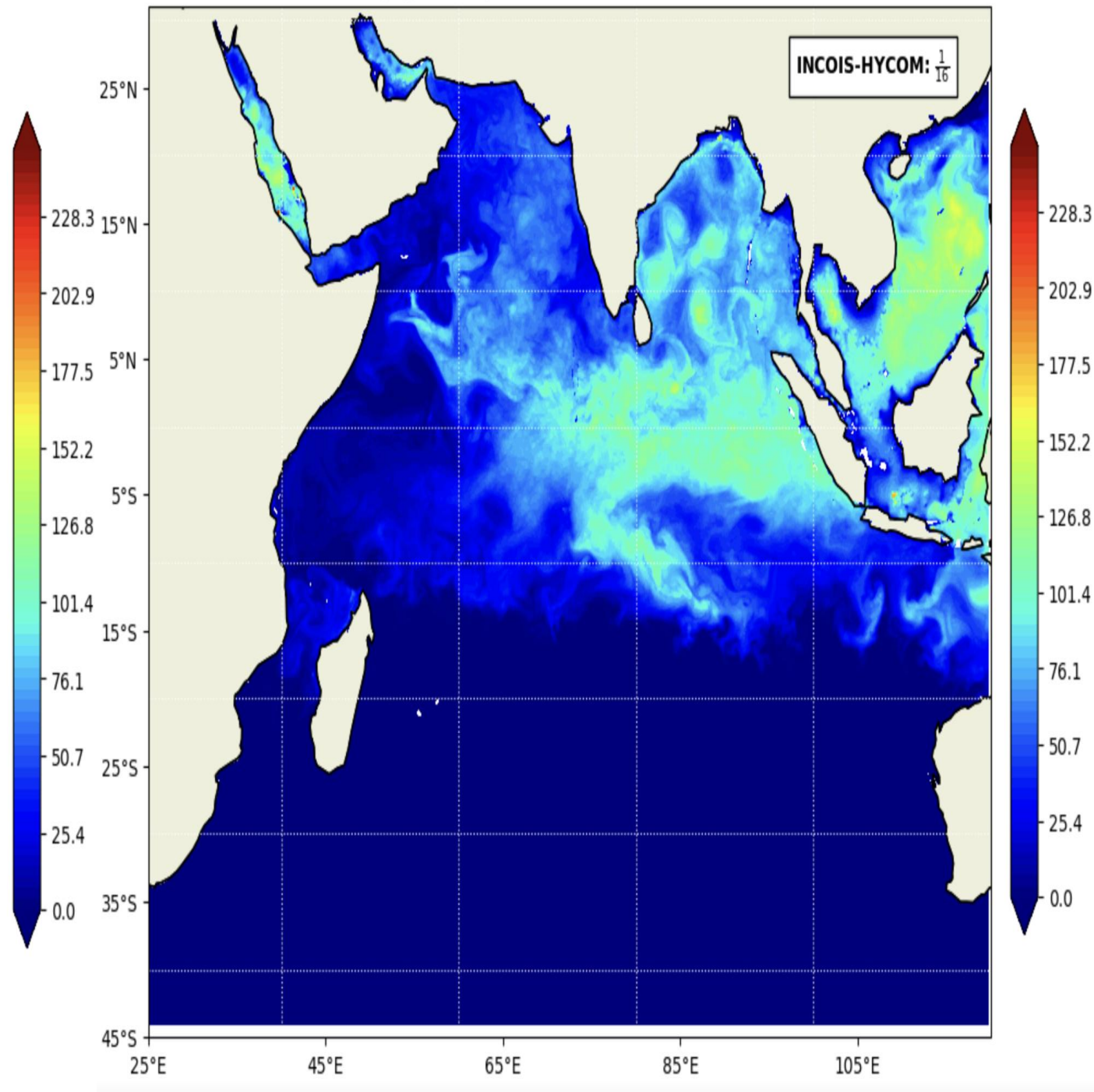
0.1 1 2 5 10 15 20 30 40 50 100 300 1000

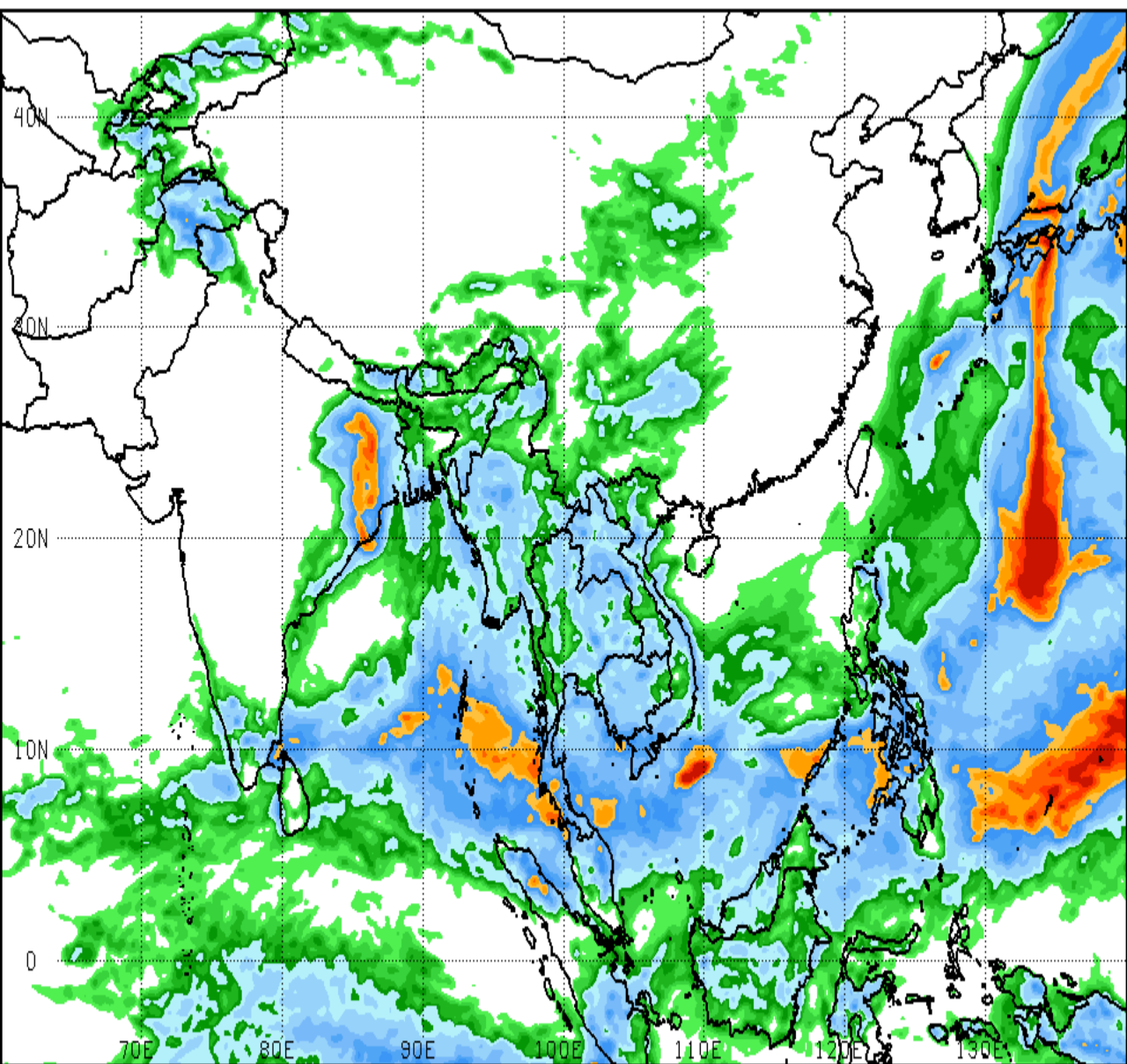


AVERAGE TCHP (KJ/cm^2) FOR 2024-10-17T00 issued on 17-10-2024

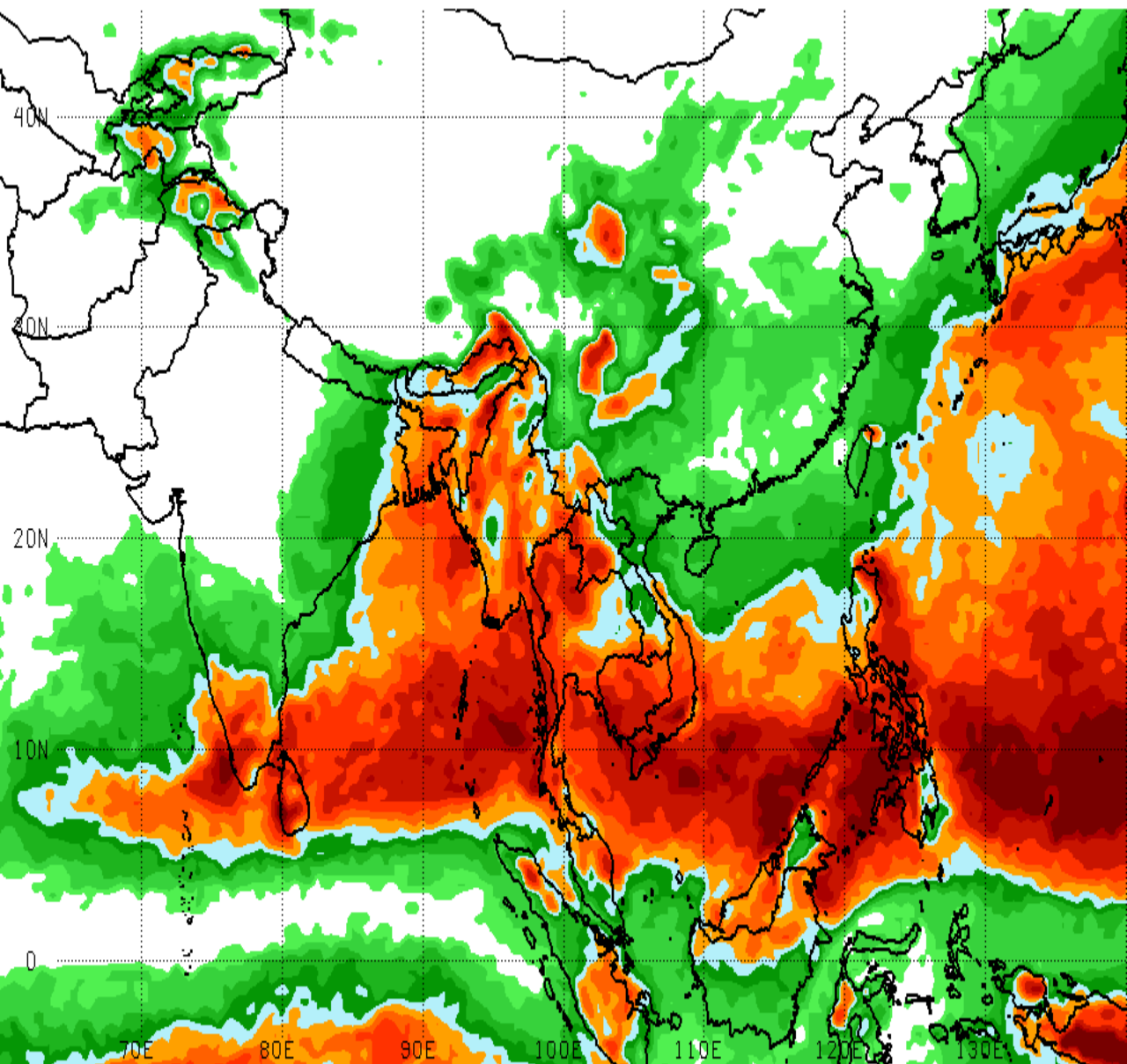


AVERAGE TCHP (KJ/cm^2) FOR 2024-10-24T00 issued on 17-10-2024

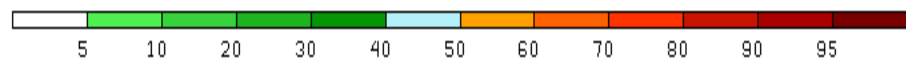


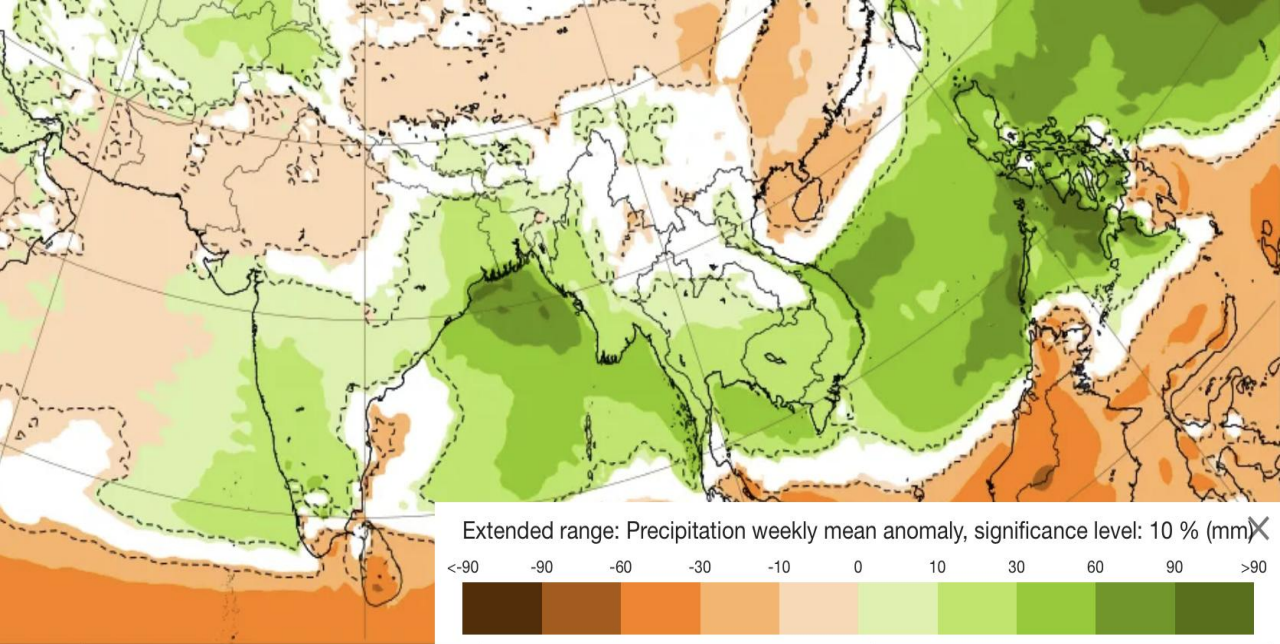


NOAA GFS 20241017 t00z cycle FCST week2 Total Precip (mm) VALID 2024103100Z

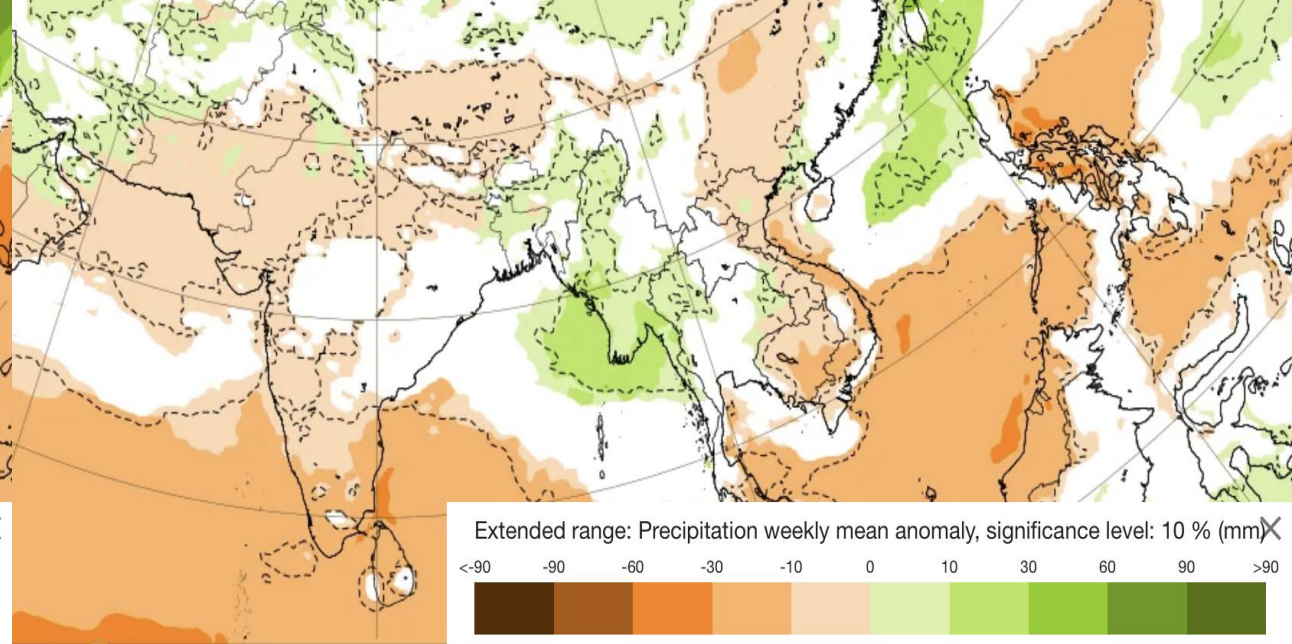


NOAA GFS 20241017 00zCYC FCST Probability of Week2 Precip > 25mm VALID 20241031/0000V336

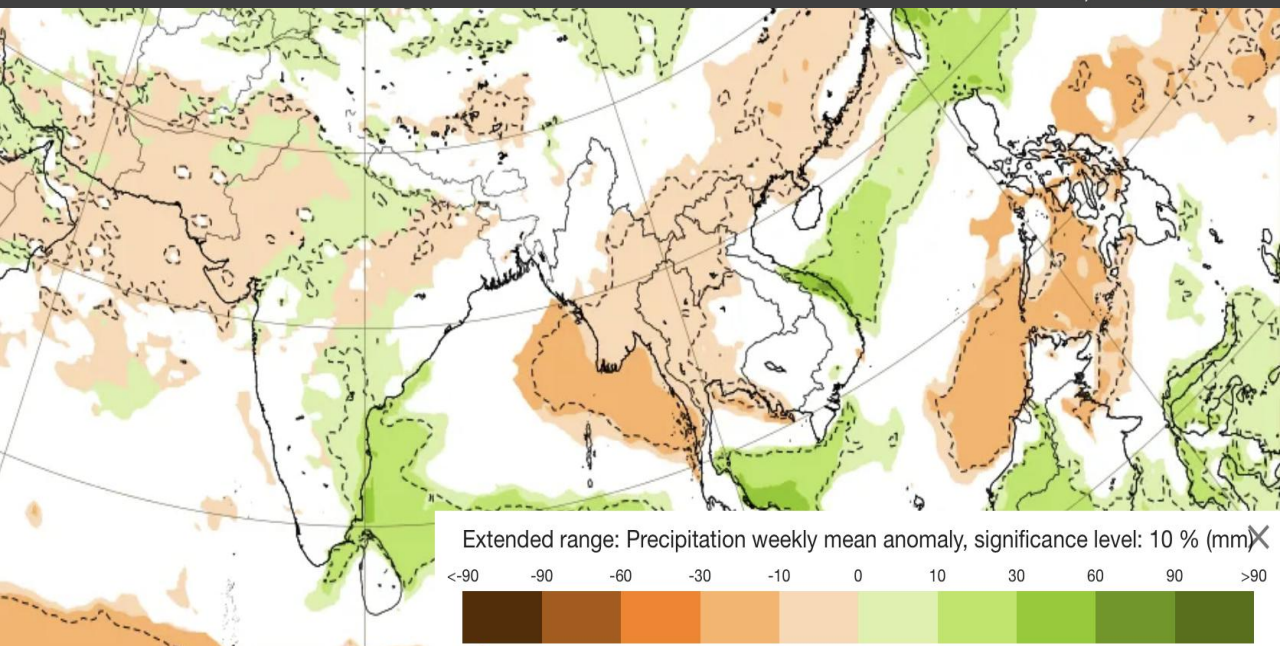




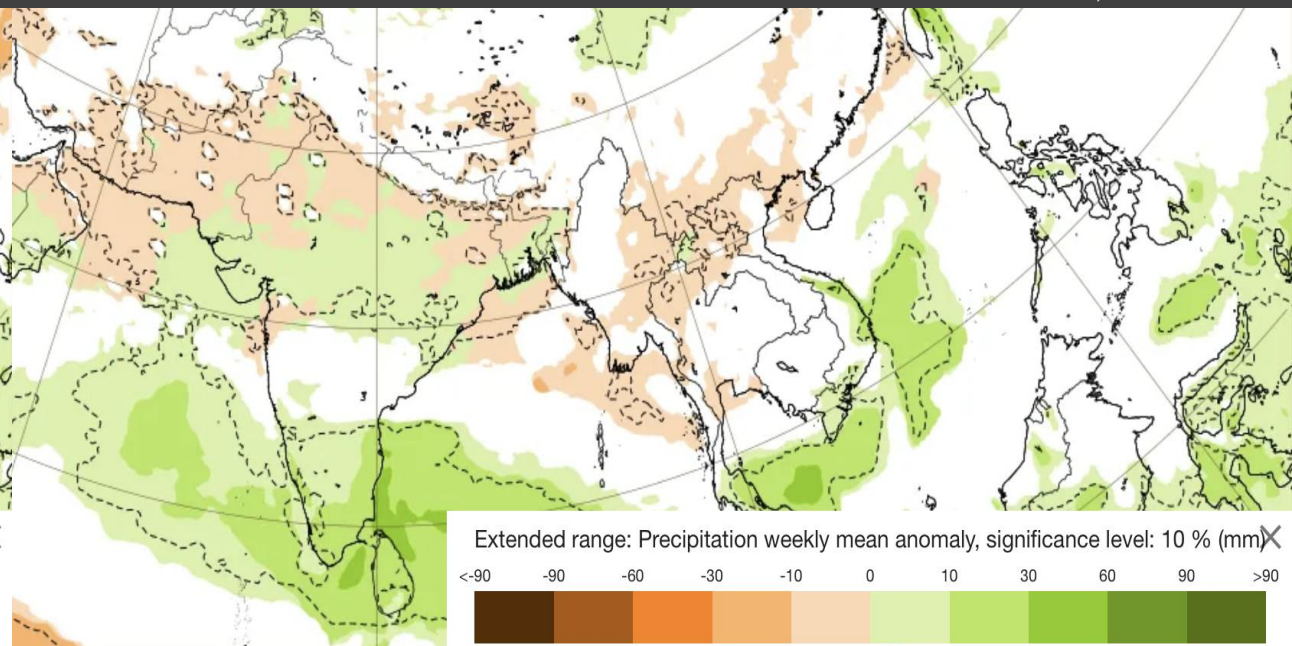
Mon 21 Oct 2024 - Mon 28 Oct 2024



Mon 28 Oct 2024 - Mon 04 Nov 2024



Mon 04 Nov 2024 - Mon 11 Nov 2024

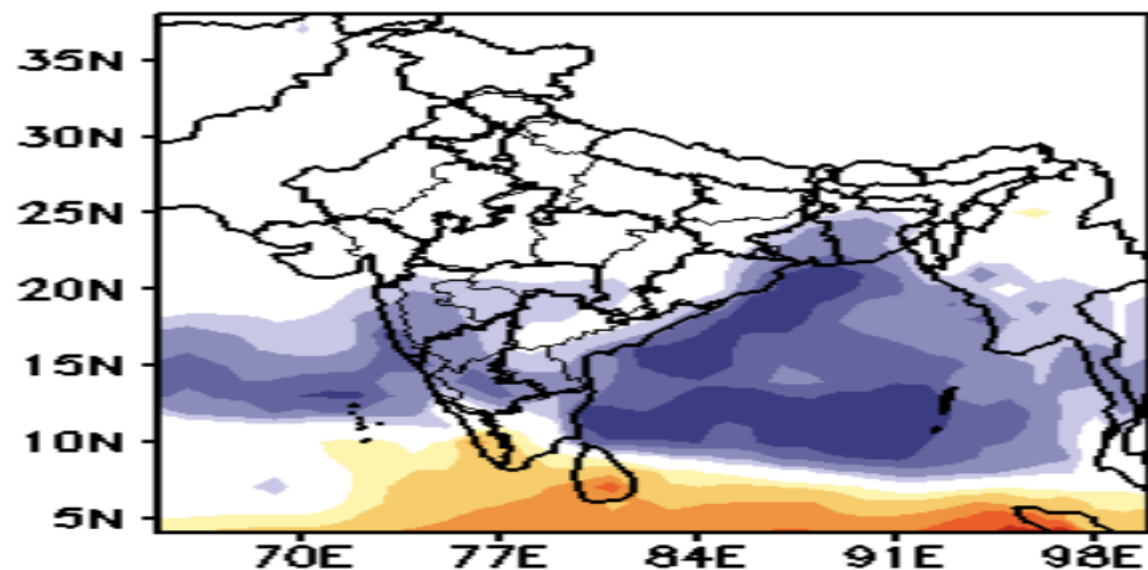


Mon 11 Nov 2024 - Mon 18 Nov 2024

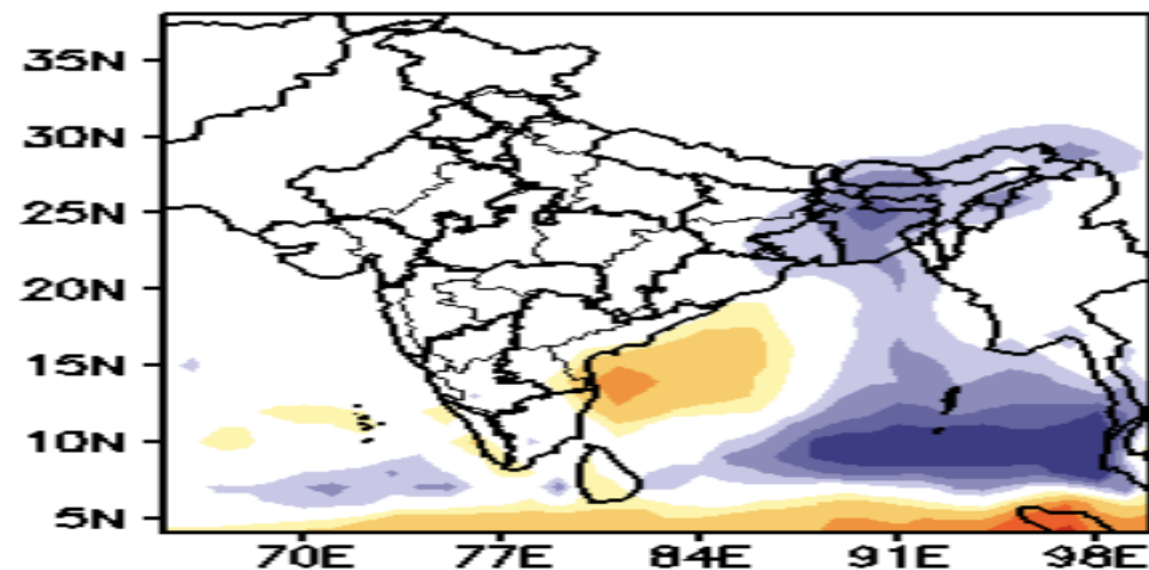


Forecast Rainfall Anomaly (mm/day) (00Z=0530 hrs IST)

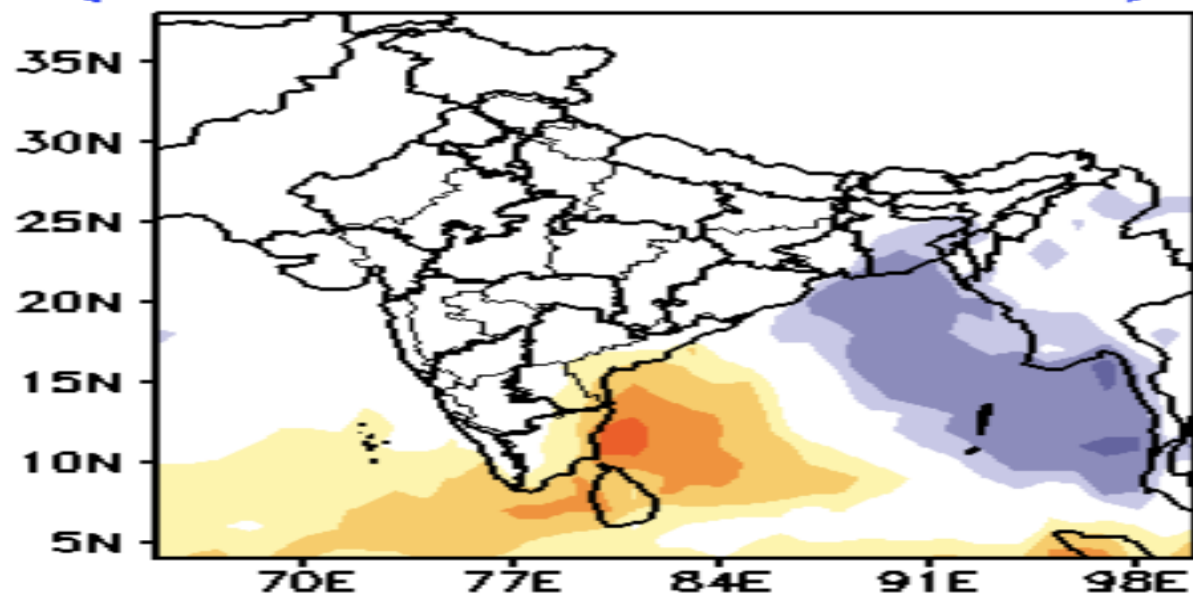
(Week1:00Z17Oct–00Z24Oct)



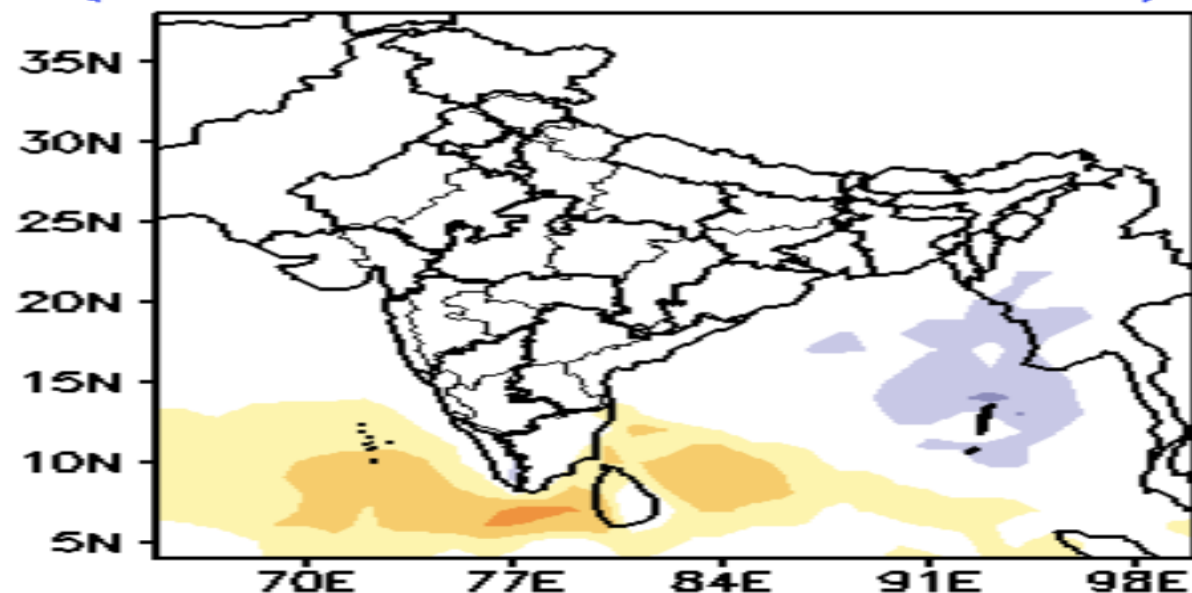
(Week2:00Z24Oct–00Z31Oct)



(Week3:00Z31Oct–00Z07Nov)



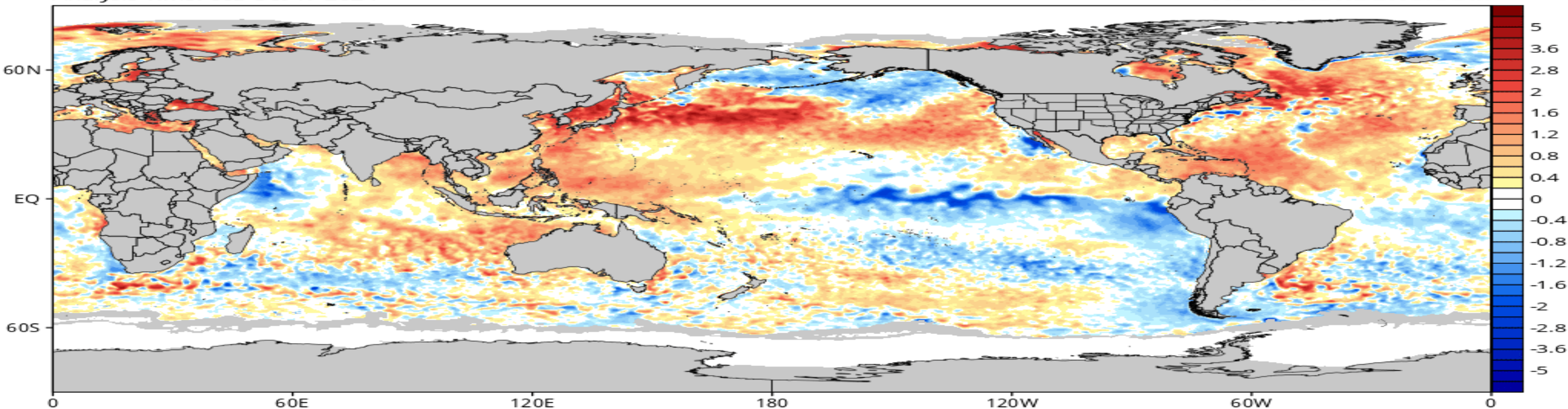
(Week4:00Z07Nov–00Z14Nov)



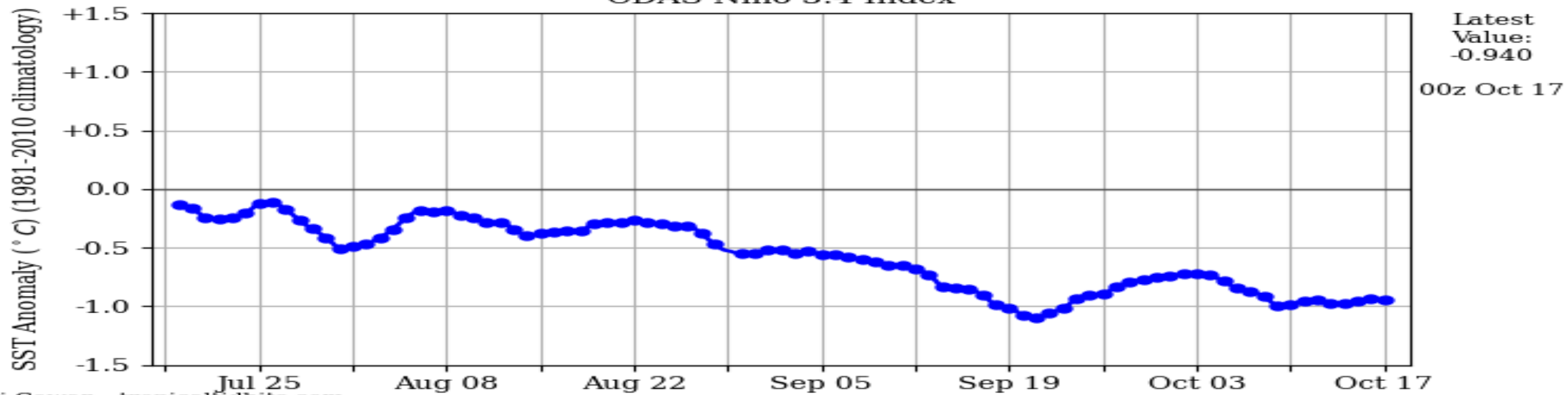
CDAS Sea Surface Temperature Anomaly (°C) (based on CFSR 1981-2010 Climatology)

Analysis Time: 00z Oct 17 2024

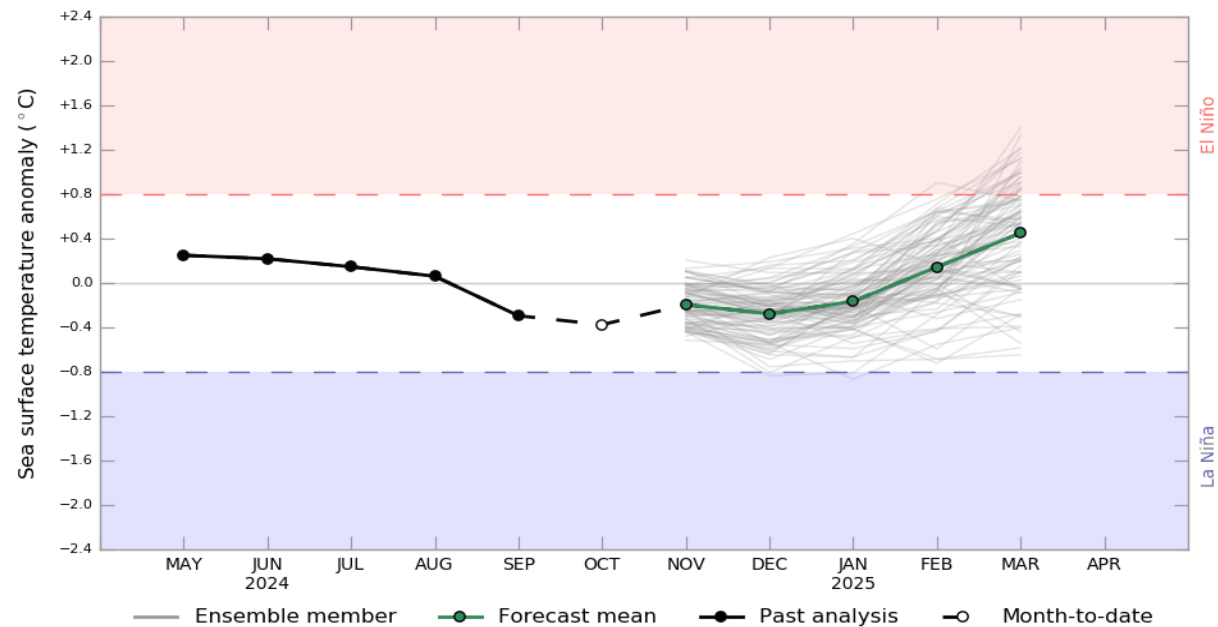
TROPICALTIDBITS.COM



CDAS Niño 3.4 Index



Niño3.4 index

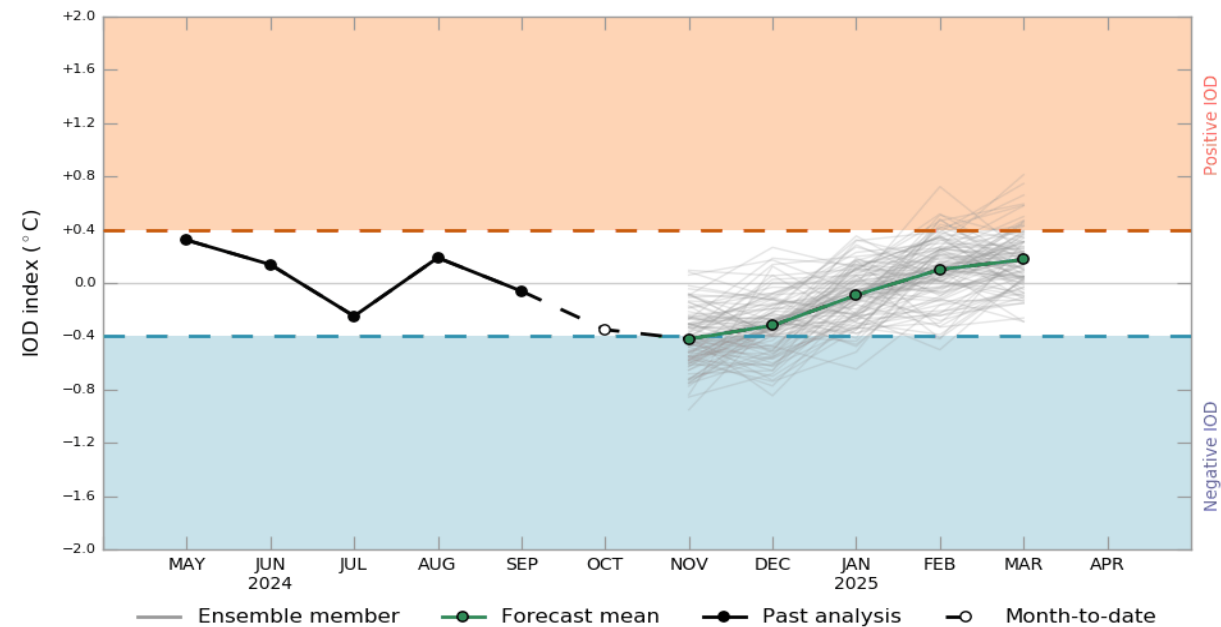


www.bom.gov.au/climate
Commonwealth of Australia 2024, Australian Bureau of Meteorology

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

Model: ACCESS-S2
Model run: 12 Oct 2024

IOD index

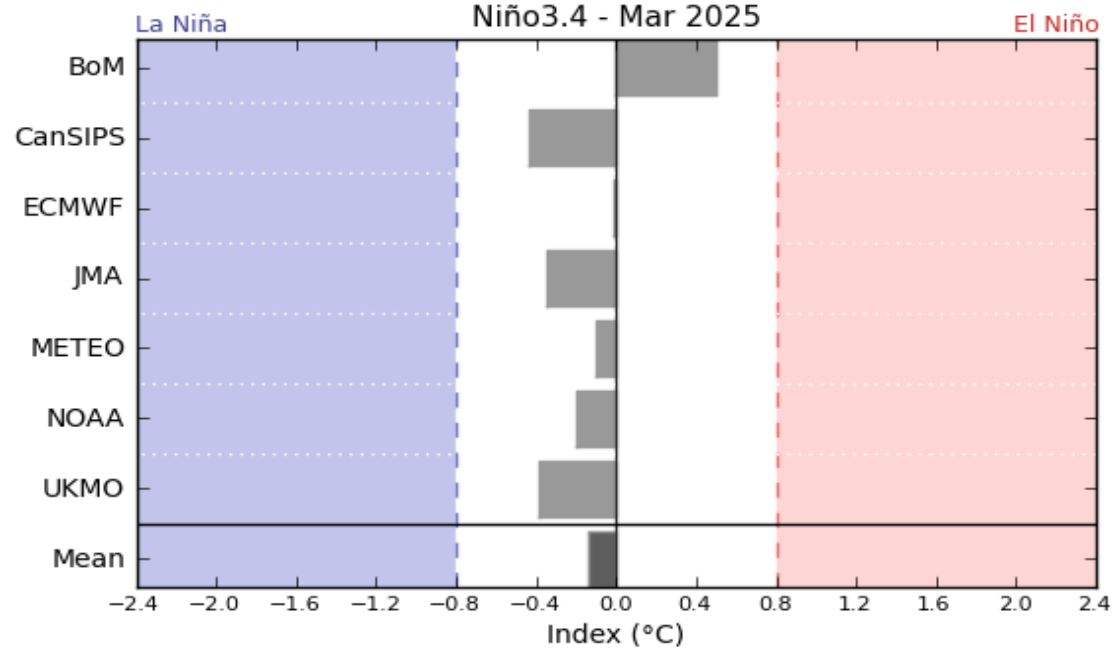


www.bom.gov.au/climate
Commonwealth of Australia 2024, Australian Bureau of Meteorology

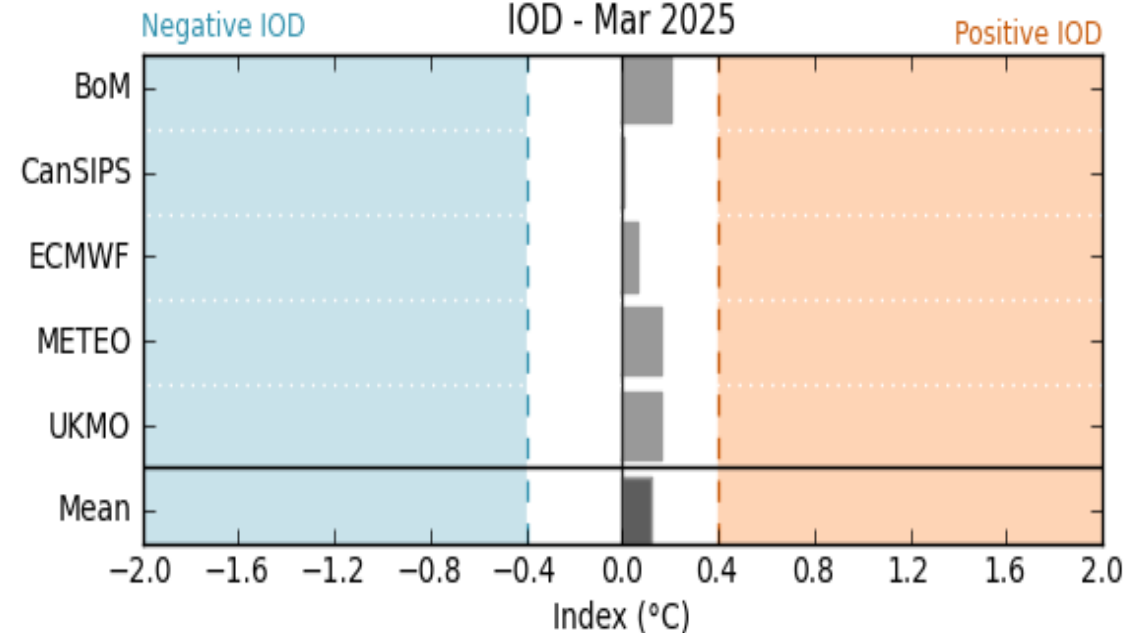
Past analysis base period: 1991-2020
Forecast base period: 1981-2018

Model: ACCESS-S2
Model run: 12 Oct 2024

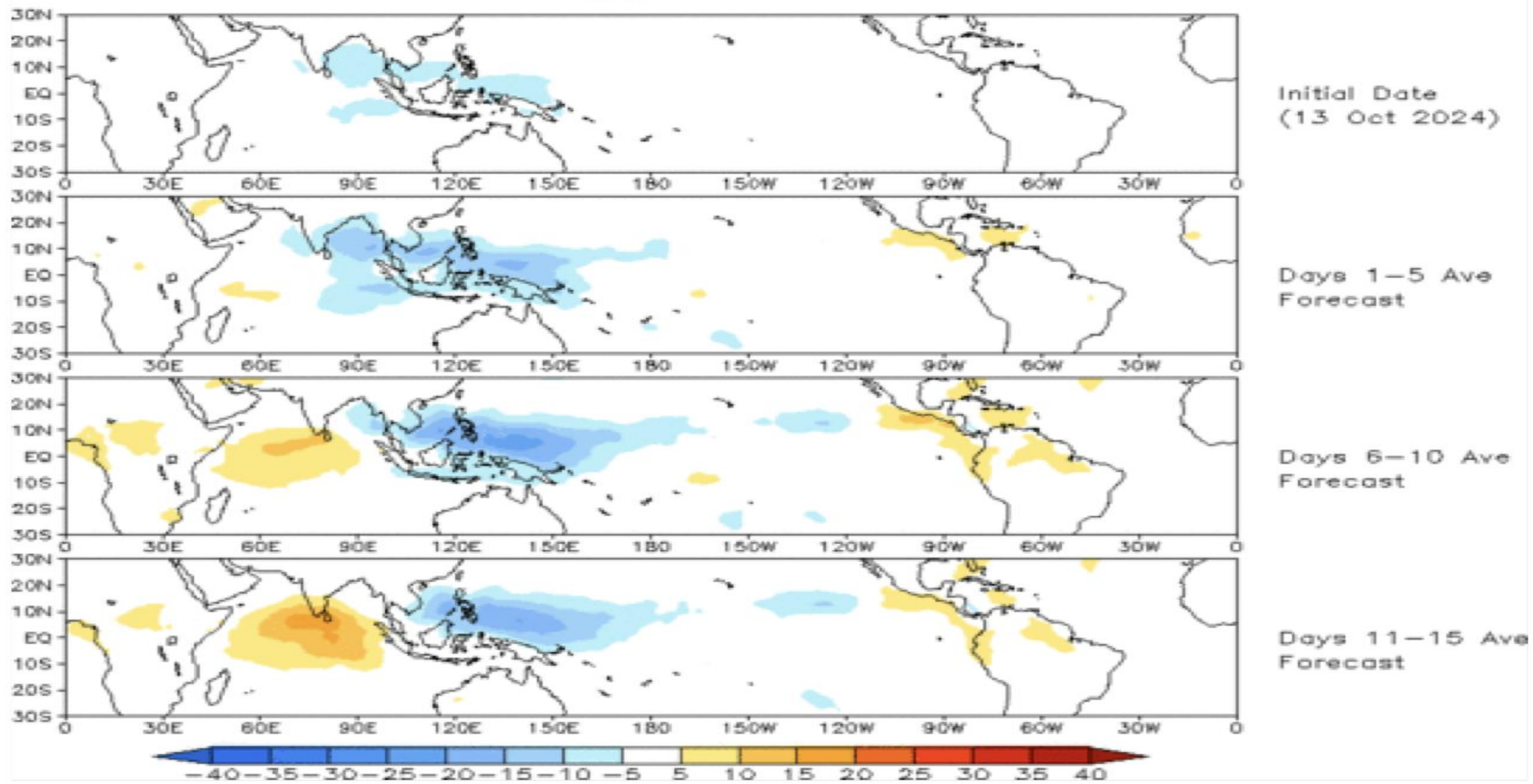
Niño3.4 - Mar 2025



IOD - Mar 2025



Prediction of MJO-related anomalies using GEFS operational forecast
Initial date: 13 Oct 2024
OLR



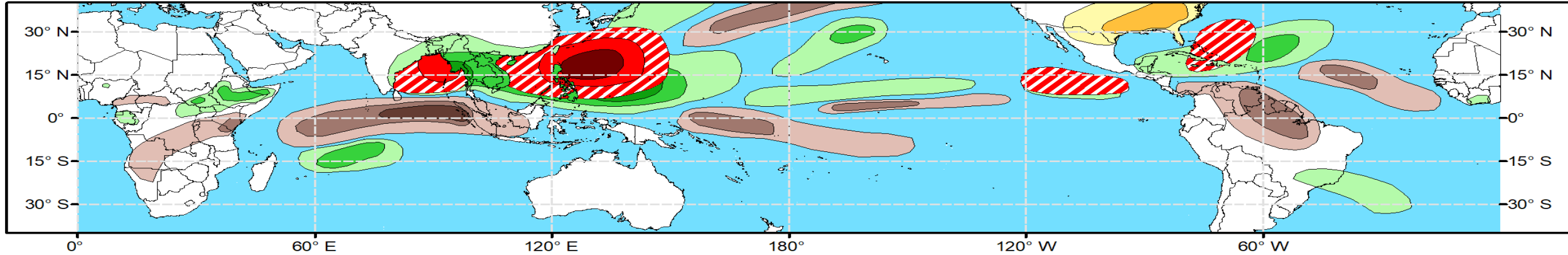


Global Tropics Hazards Outlook

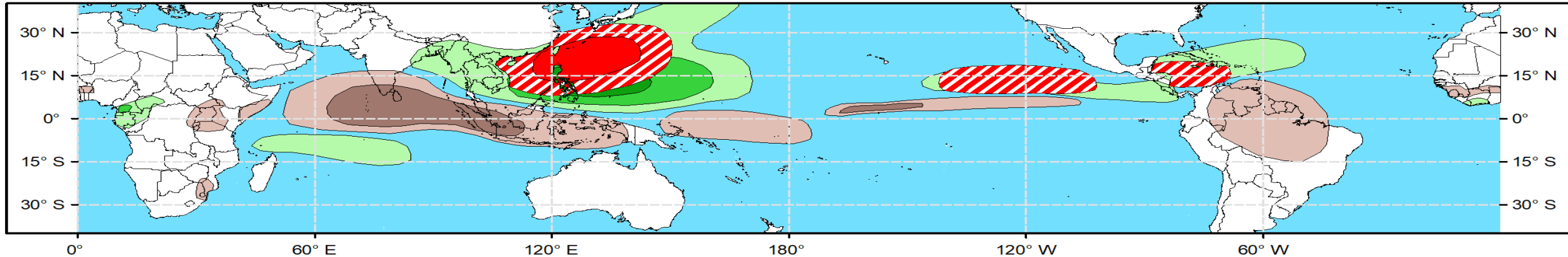
Climate Prediction Center



Week 2 - Valid: Oct 23, 2024 - Oct 29, 2024



Week 3 - Valid: Oct 30, 2024 - Nov 05, 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: 10/15/2024
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.**