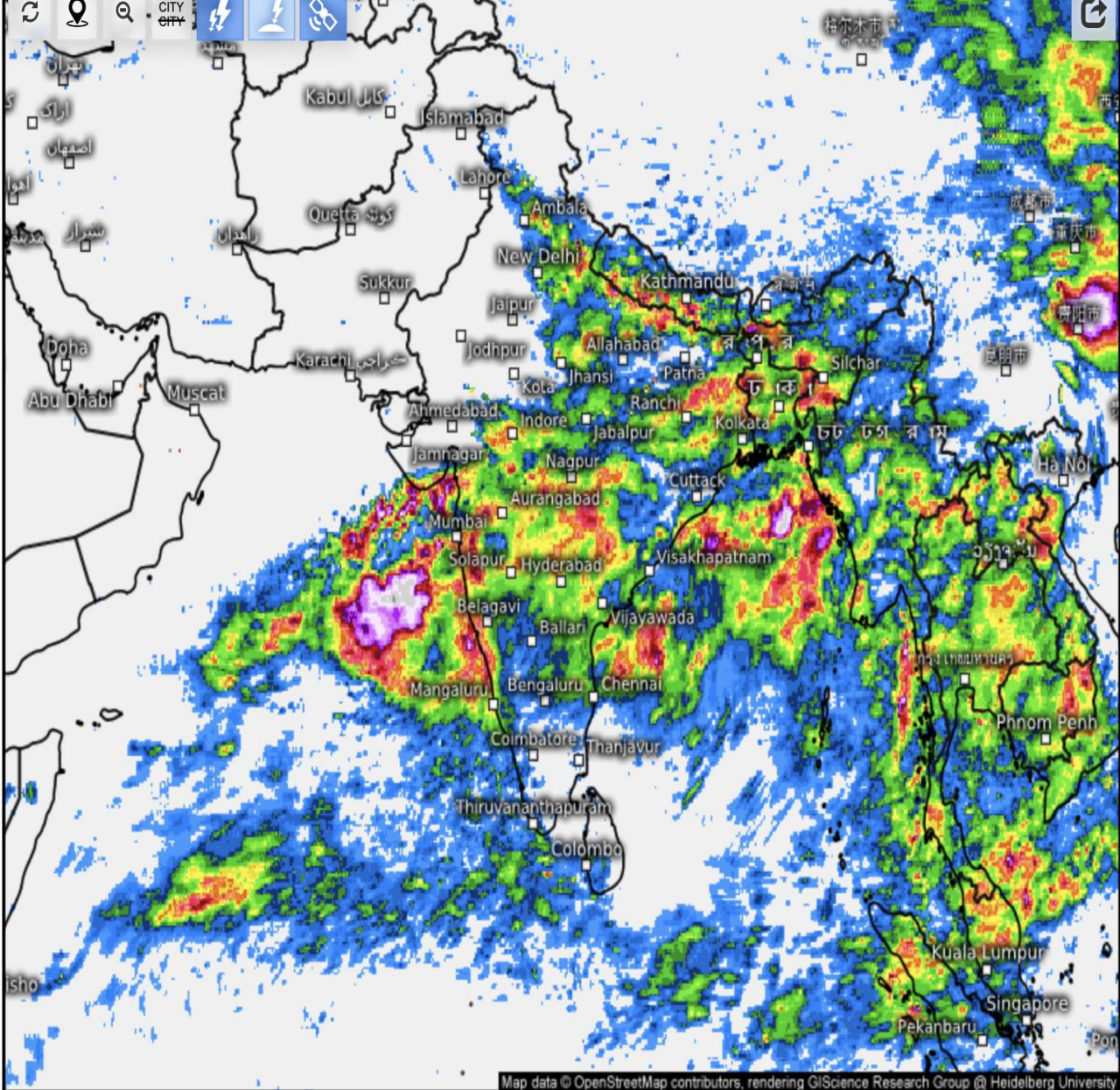
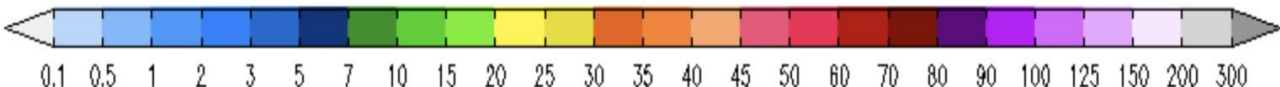




Accumulated Precipitation, 24h (Satellite) (mm)

Thu 05/22/2025, 05:30am IST



Legend: (Rainfall in mm)

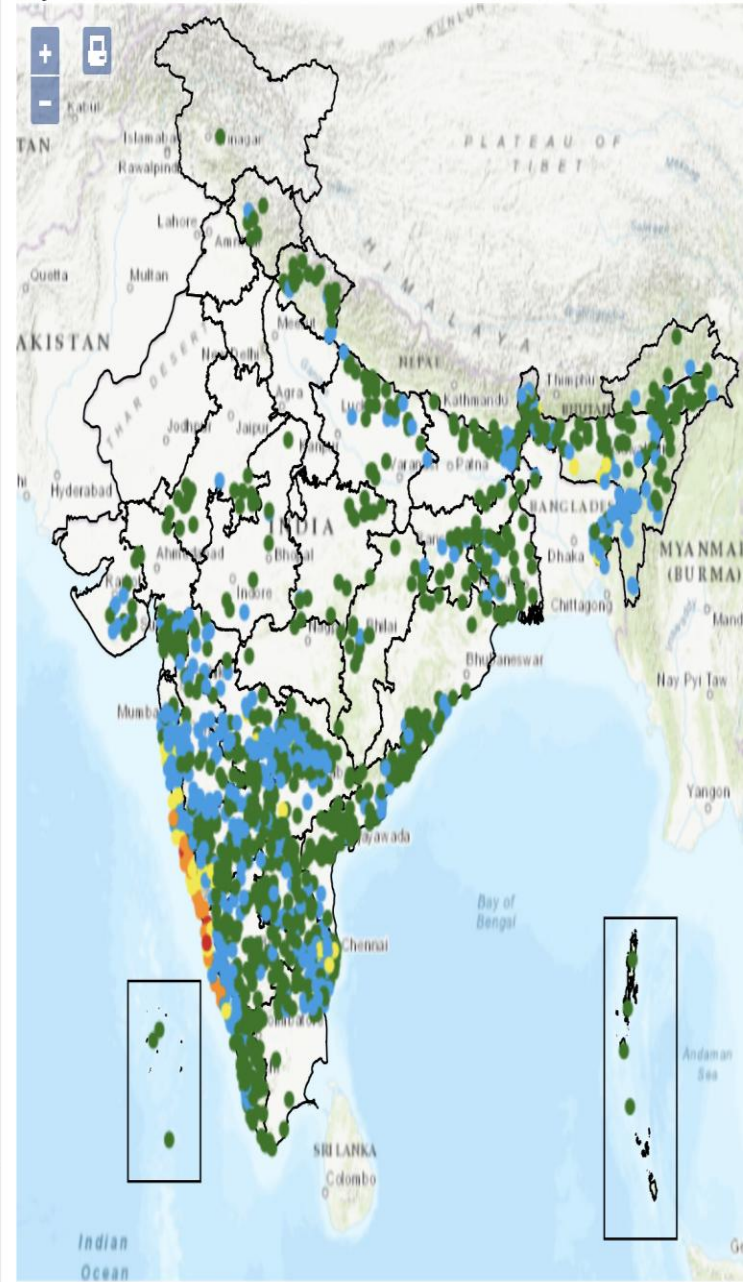
- Very light to light rainfall (0.1 - 15.5 mm)
- Moderate Rainfall (15.6 - 64.4 mm)
- Heavy Rainfall (64.5 - 115.5 mm)
- Very Heavy Rainfall (115.6 - 204.4 mm)
- Extremely Heavy Rainfall (≥ 204.4 mm)

- Day 1 (08:30 IST 21/5/2025 - 08:30 IST 22/5/2025)
- Day 2 (08:30 IST 20/5/2025 - 08:30 IST 22/5/2025)
- Day 3 (08:30 IST 19/5/2025 - 08:30 IST 22/5/2025)
- Day 4 (08:30 IST 18/5/2025 - 08:30 IST 22/5/2025)
- Day 5 (08:30 IST 17/5/2025 - 08:30 IST 22/5/2025)
- Day 6 (08:30 IST 16/5/2025 - 08:30 IST 22/5/2025)
- Day 7 (08:30 IST 15/5/2025 - 08:30 IST 22/5/2025)

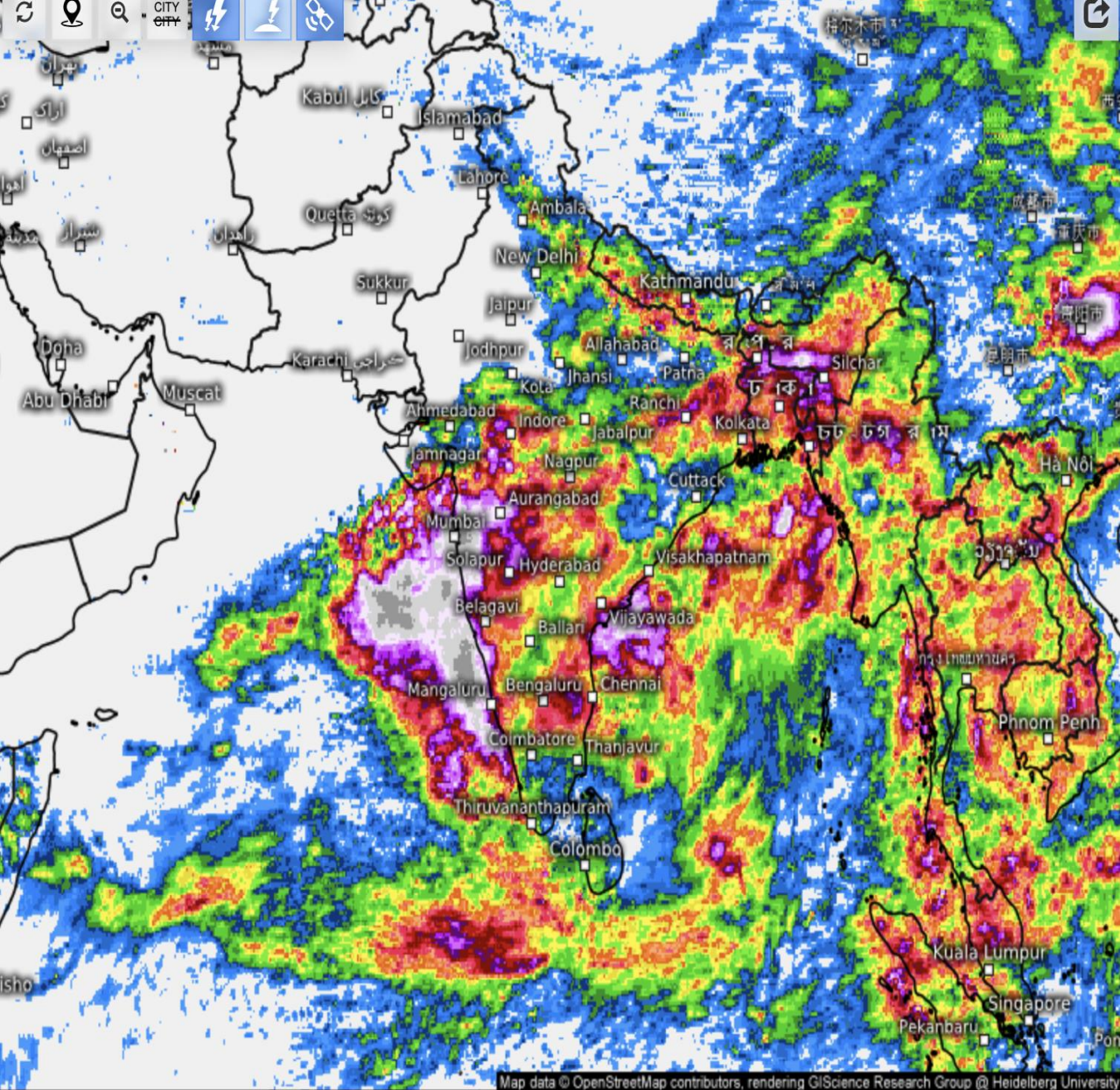
Select

day:

Day1 Day2 Day3 Day4 Day5 Day6 Day7

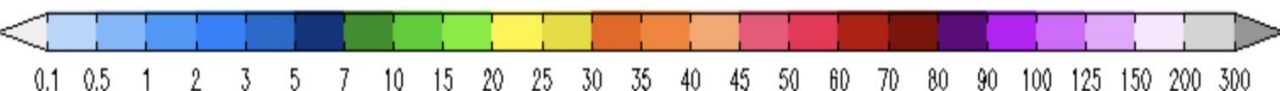


"Disclaimer: The displayed rainfall analysis products are generated directly from the District-wise R"

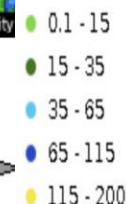


Accumulated Precipitation, 72h (Satellite) (mm)

Thu 05/22/2025, 05:30am IST



Legend: (Rainfall in mm)



Day 1 (08:30 IST 21/5/2025 - 08:30 IST 22/5/2025)

Day 2 (08:30 IST 20/5/2025 - 08:30 IST 22/5/2025)

☒ Day 3 (08:30 IST 19/5/2025 - 08:30 IST 22/5/2025)

Day 4 (08:30 IST 18/5/2025 - 08:30 IST 22/5/2025)

Day 5 (08:30 IST 17/5/2025 - 08:30 IST 22/5/2025)

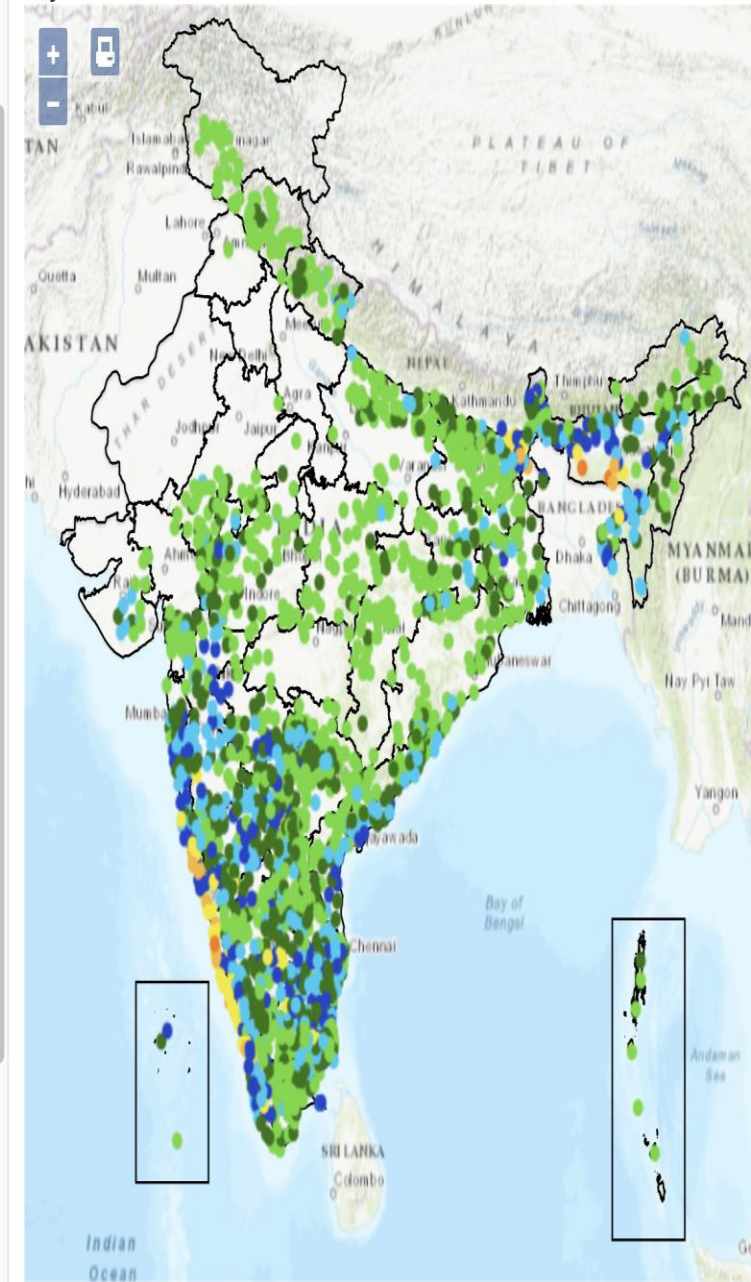
Day 6 (08:30 IST 16/5/2025 - 08:30 IST 22/5/2025)

Day 7 (08:30 IST 15/5/2025 - 08:30 IST 22/5/2025)

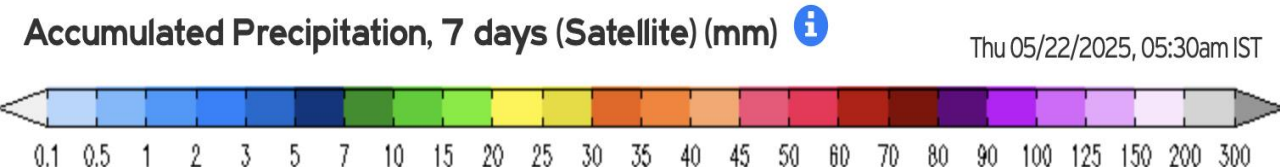
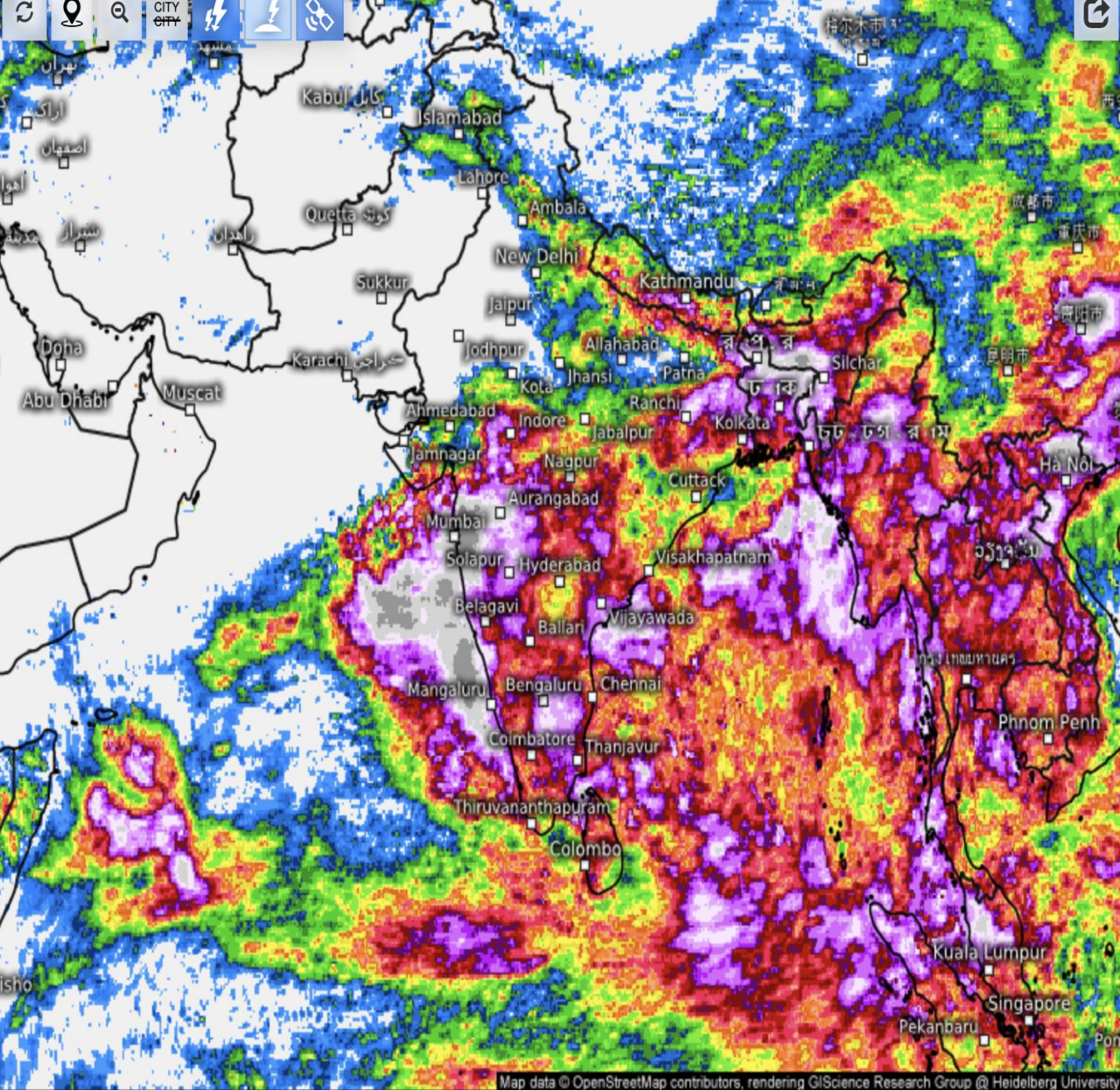
Select

day:

Day1 Day2 Day3 Day4 Day5 Day6 Day7



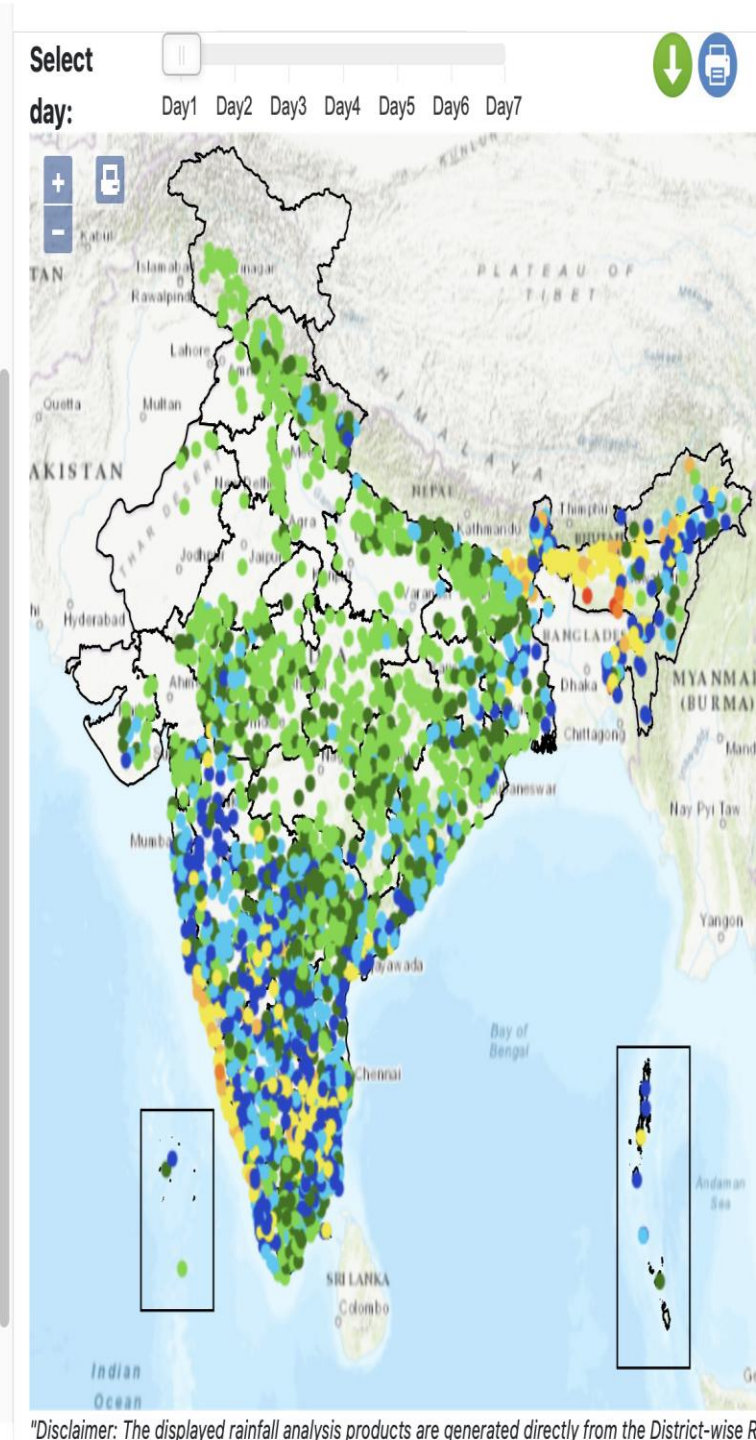
"Disclaimer: The displayed rainfall analysis products are generated directly from the District-wise R"

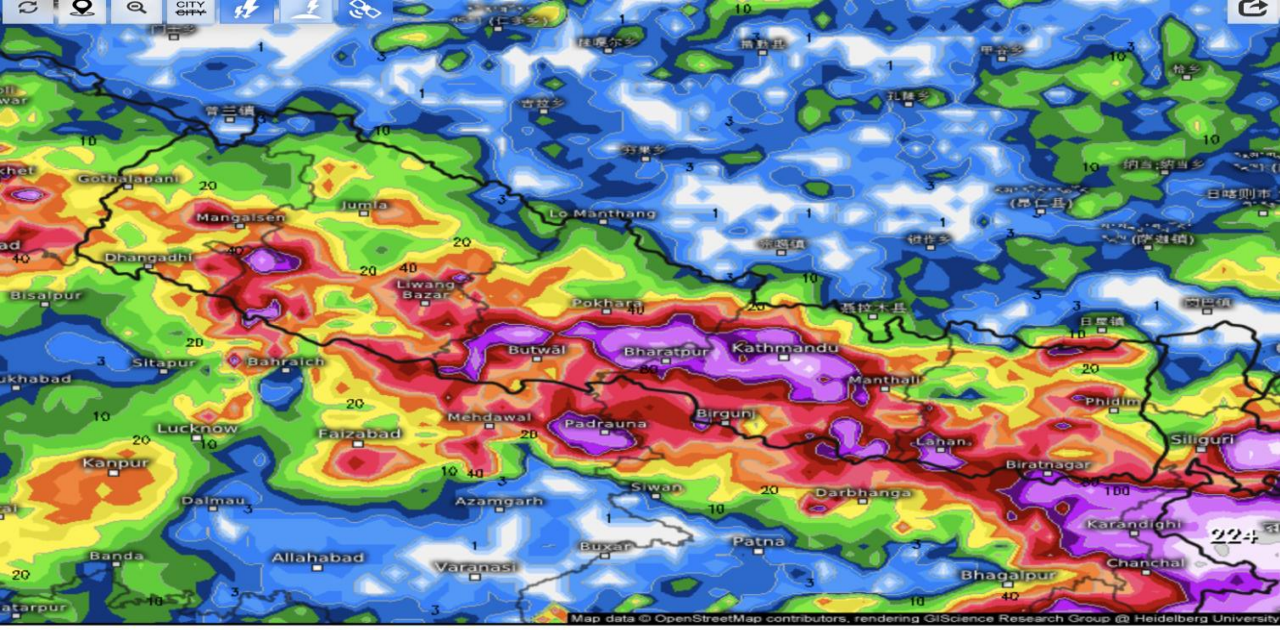


- ☐ Day 2 (08:30 IST 20/5/2025 - 08:30 IST 22/5/2025)
- ☐ Day 3 (08:30 IST 19/5/2025 - 08:30 IST 22/5/2025)
- ☐ Day 4 (08:30 IST 18/5/2025 - 08:30 IST 22/5/2025)
- ☐ Day 5 (08:30 IST 17/5/2025 - 08:30 IST 22/5/2025)
- ☐ Day 6 (08:30 IST 16/5/2025 - 08:30 IST 22/5/2025)
- ☒ Day 7 (08:30 IST 15/5/2025 - 08:30 IST 22/5/2025)

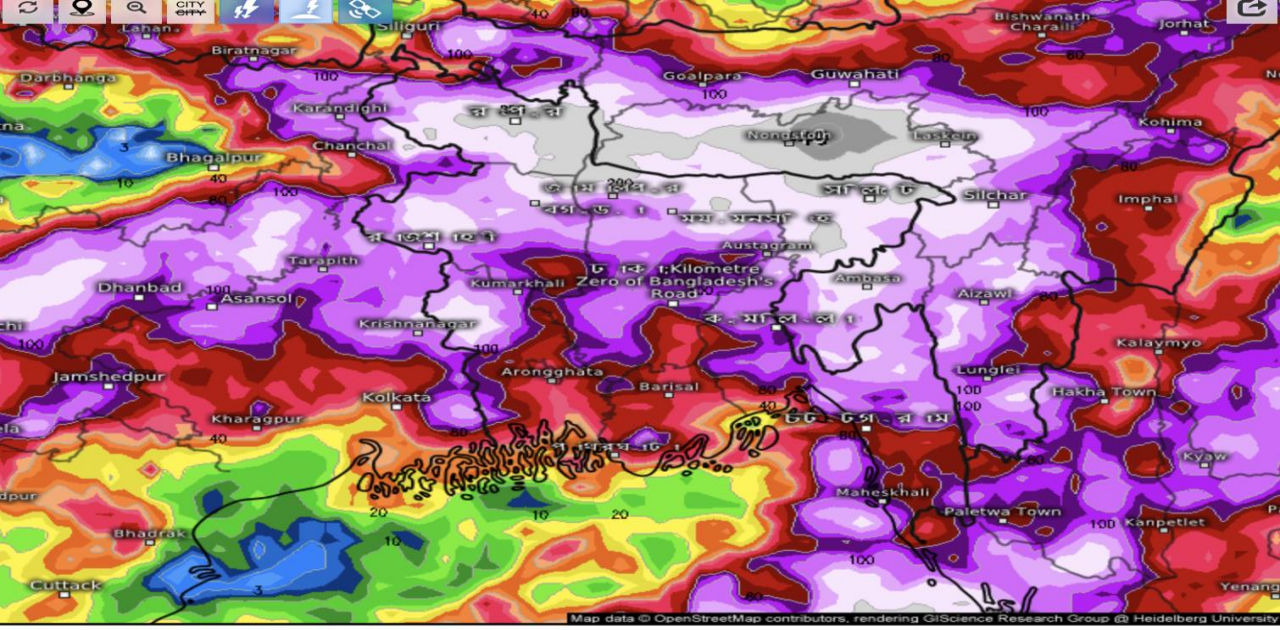
Legend: (Rainfall in mm)

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

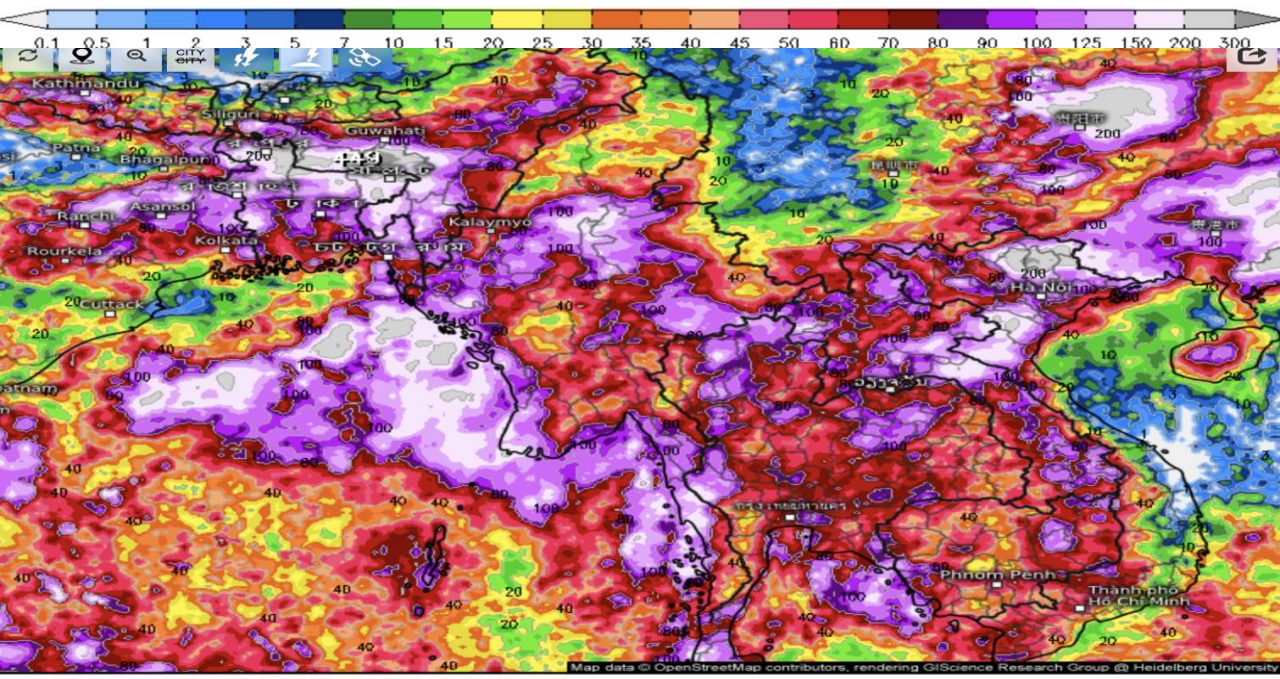




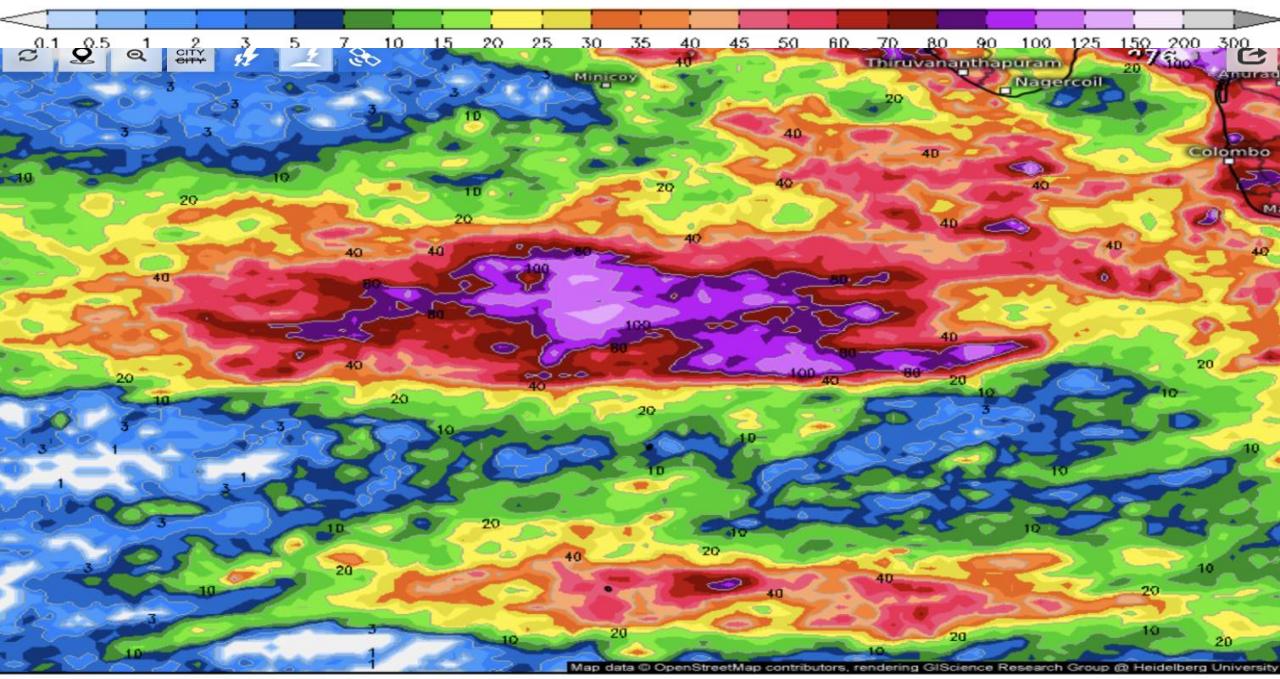
Accumulated Precipitation, 7 days (Satellite) (mm) ⓘ Thu 05/22/2025, 05:30am IST



Accumulated Precipitation, 7 days (Satellite) (mm) ⓘ Thu 05/22/2025, 05:30am IST



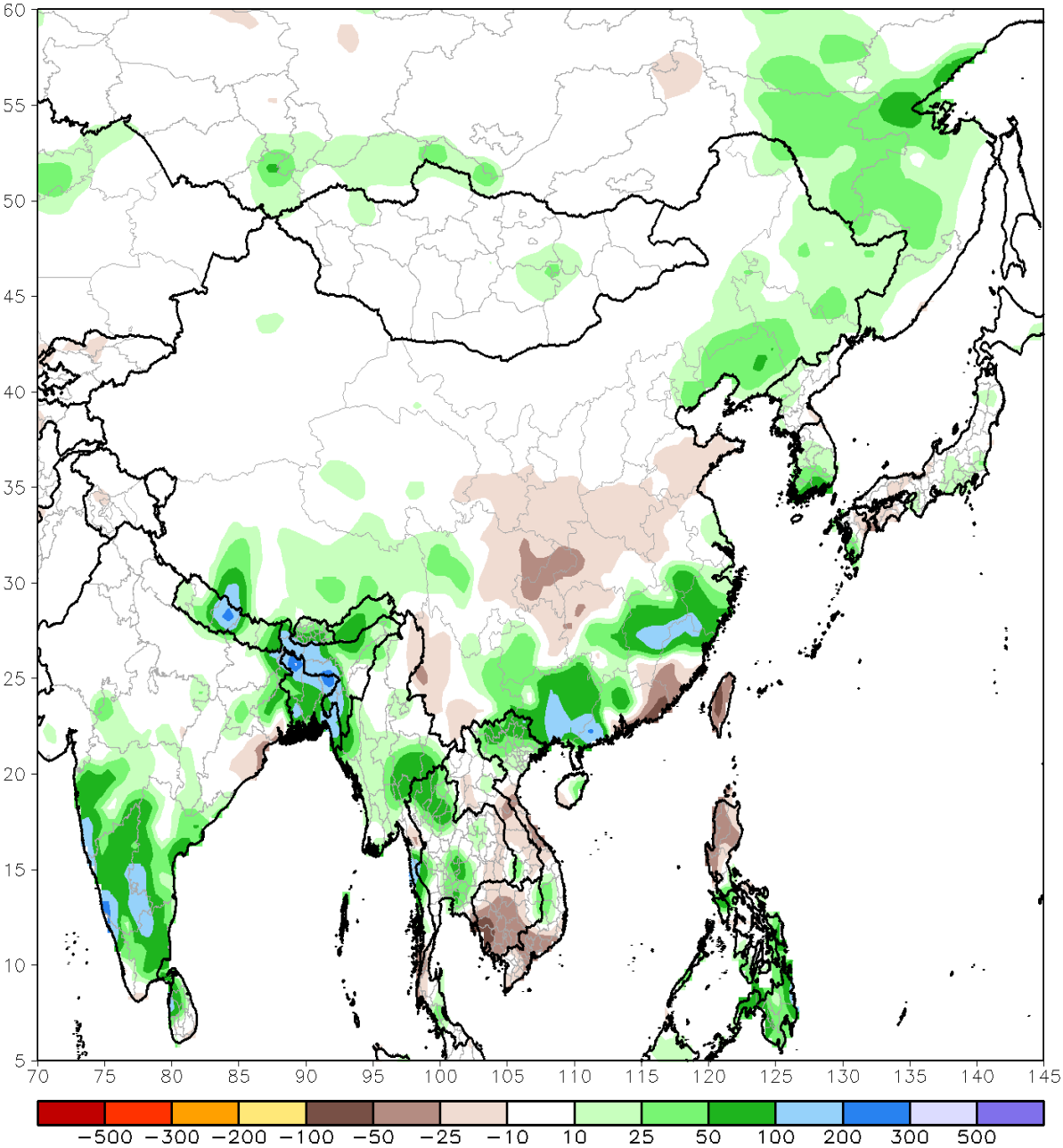
Accumulated Precipitation, 7 days (Satellite) (mm) ⓘ Thu 05/22/2025, 05:30am IST



Accumulated Precipitation, 7 days (Satellite) (mm) ⓘ Thu 05/22/2025, 08:30am IST

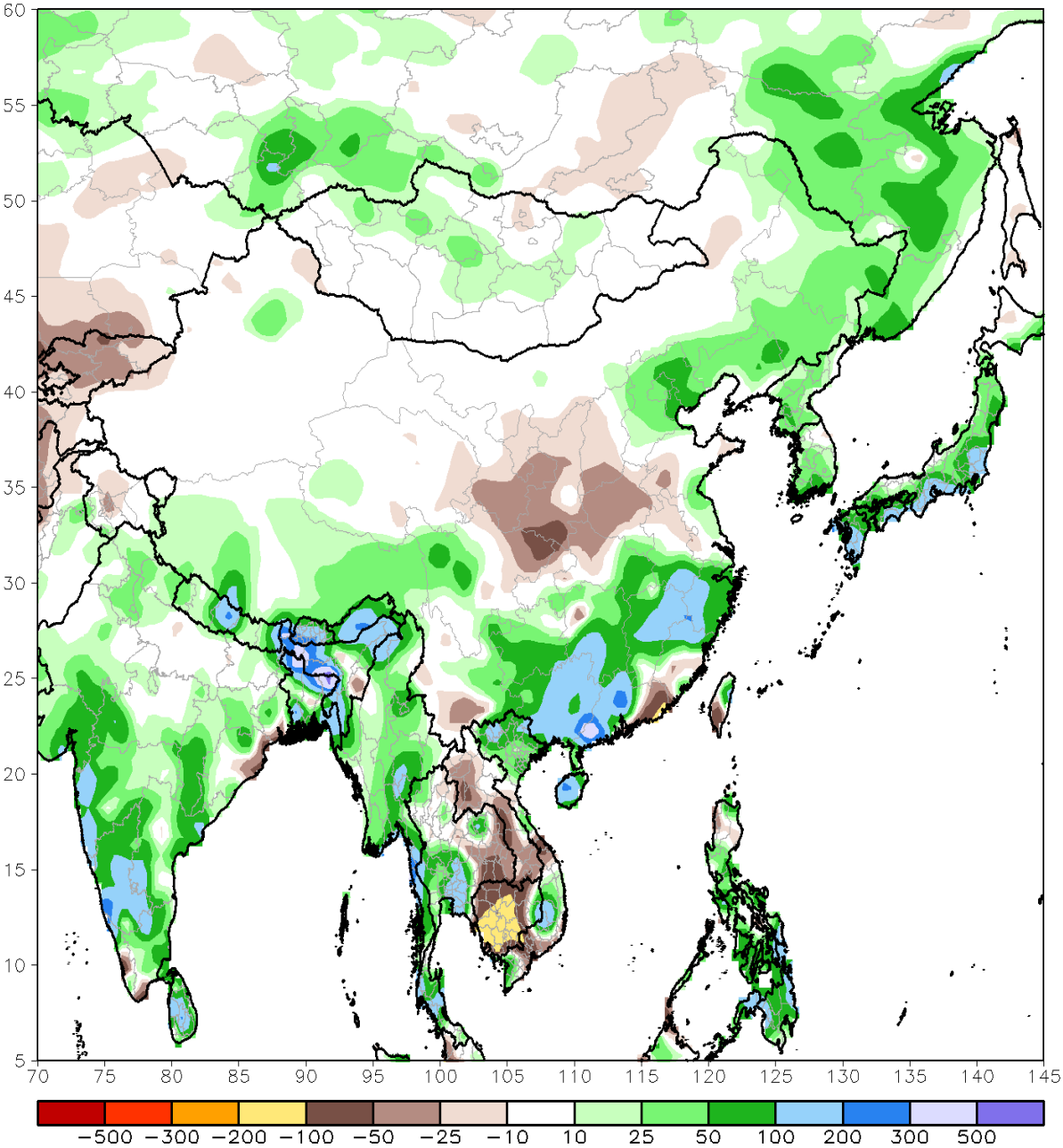
CPC Unified Gauge 7-Day Total Rainfall Anomaly (mm)

Period: 14May2025 - 20May2025

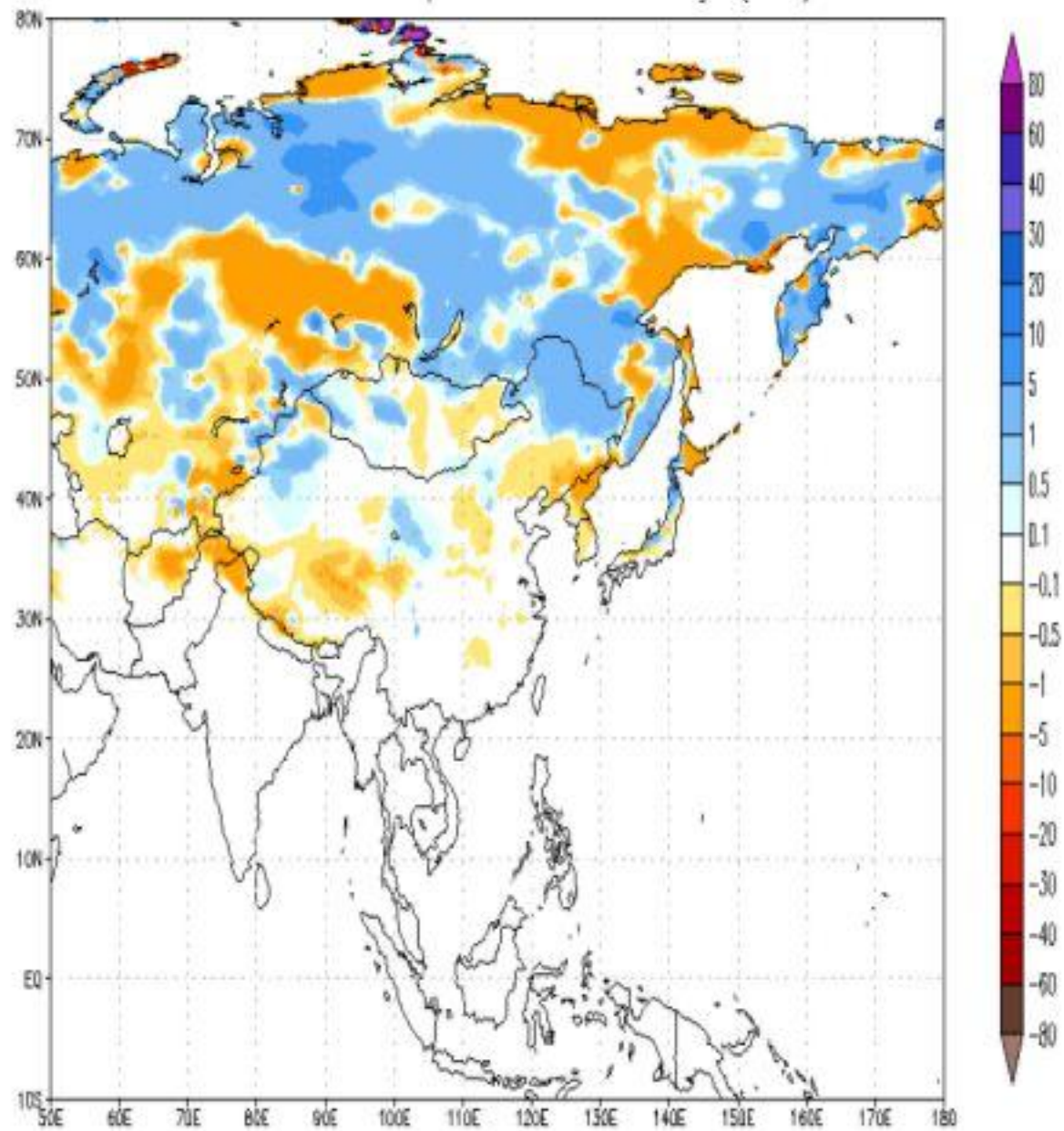


CPC Unified Gauge 30-Day Total Rainfall Anomaly (mm)

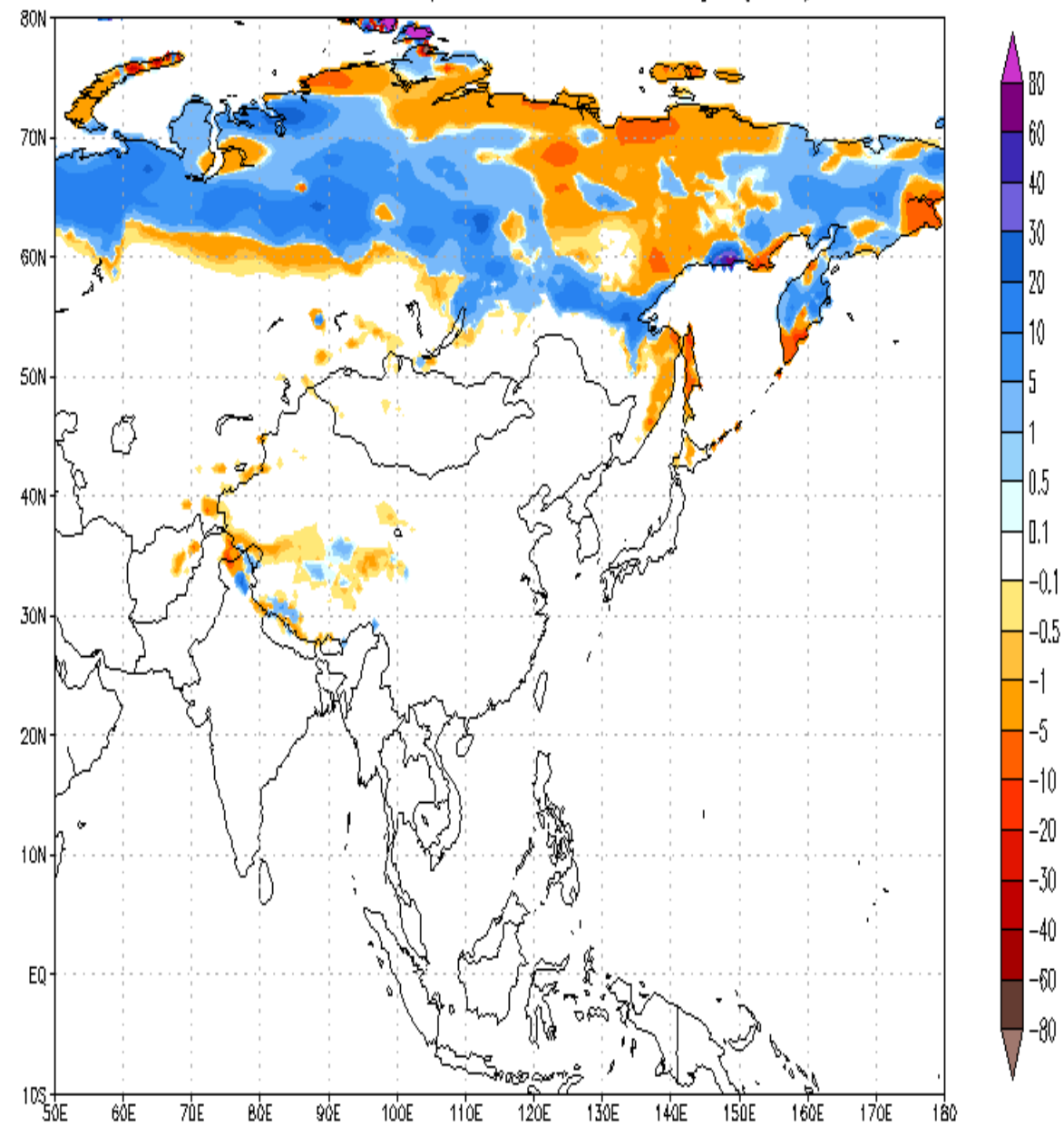
Period: 21Apr2025 - 20May2025

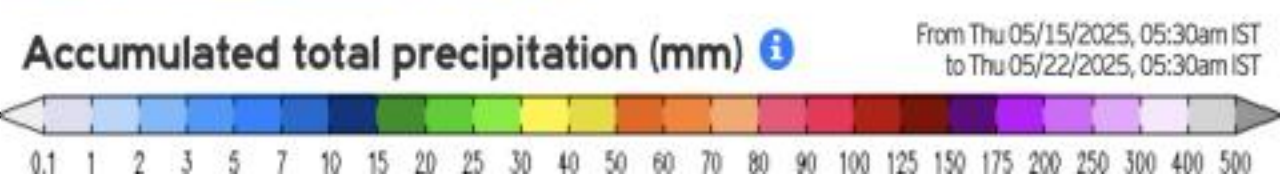
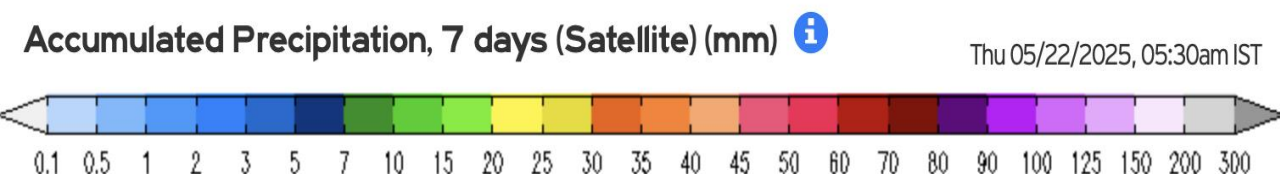
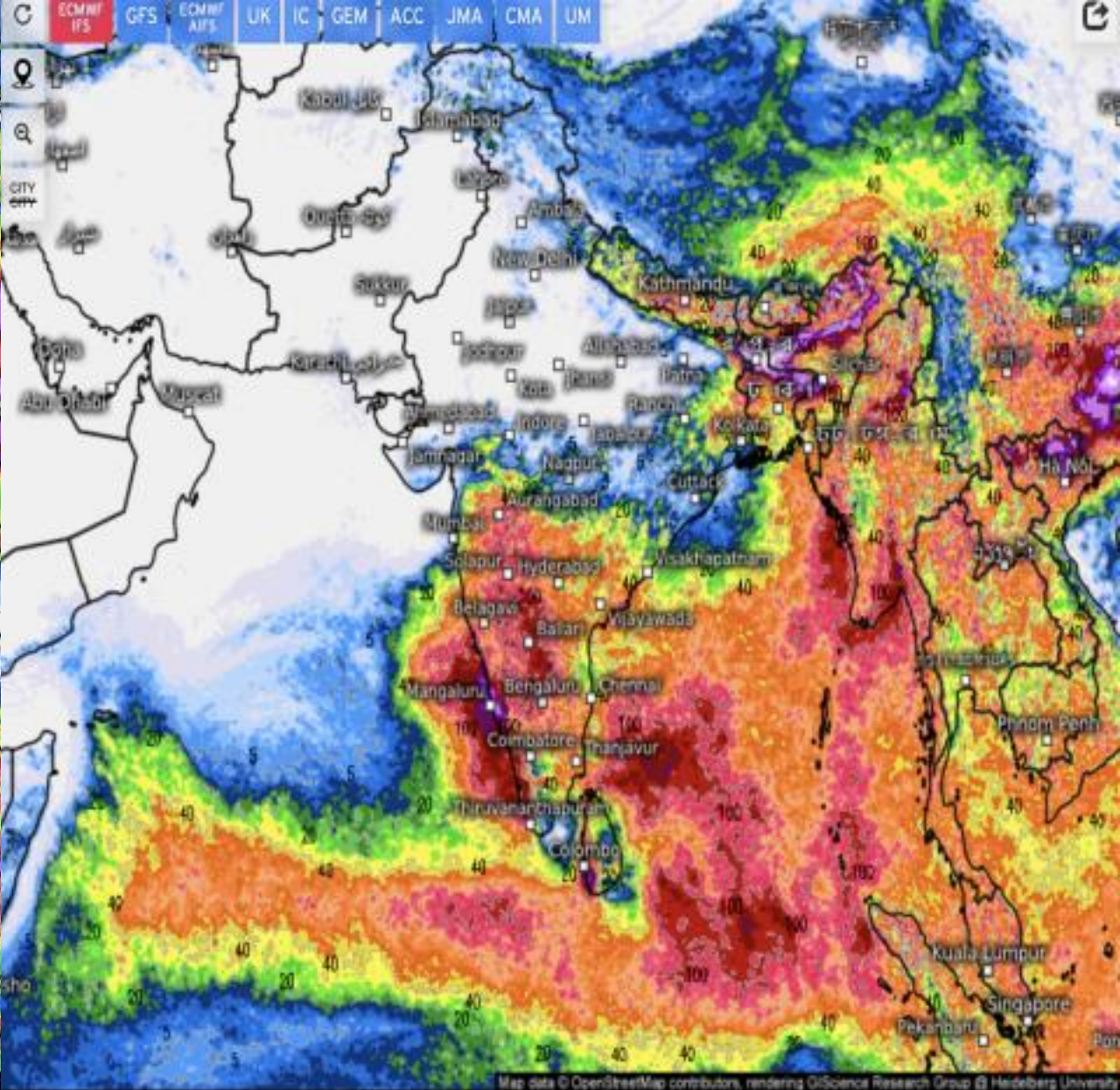
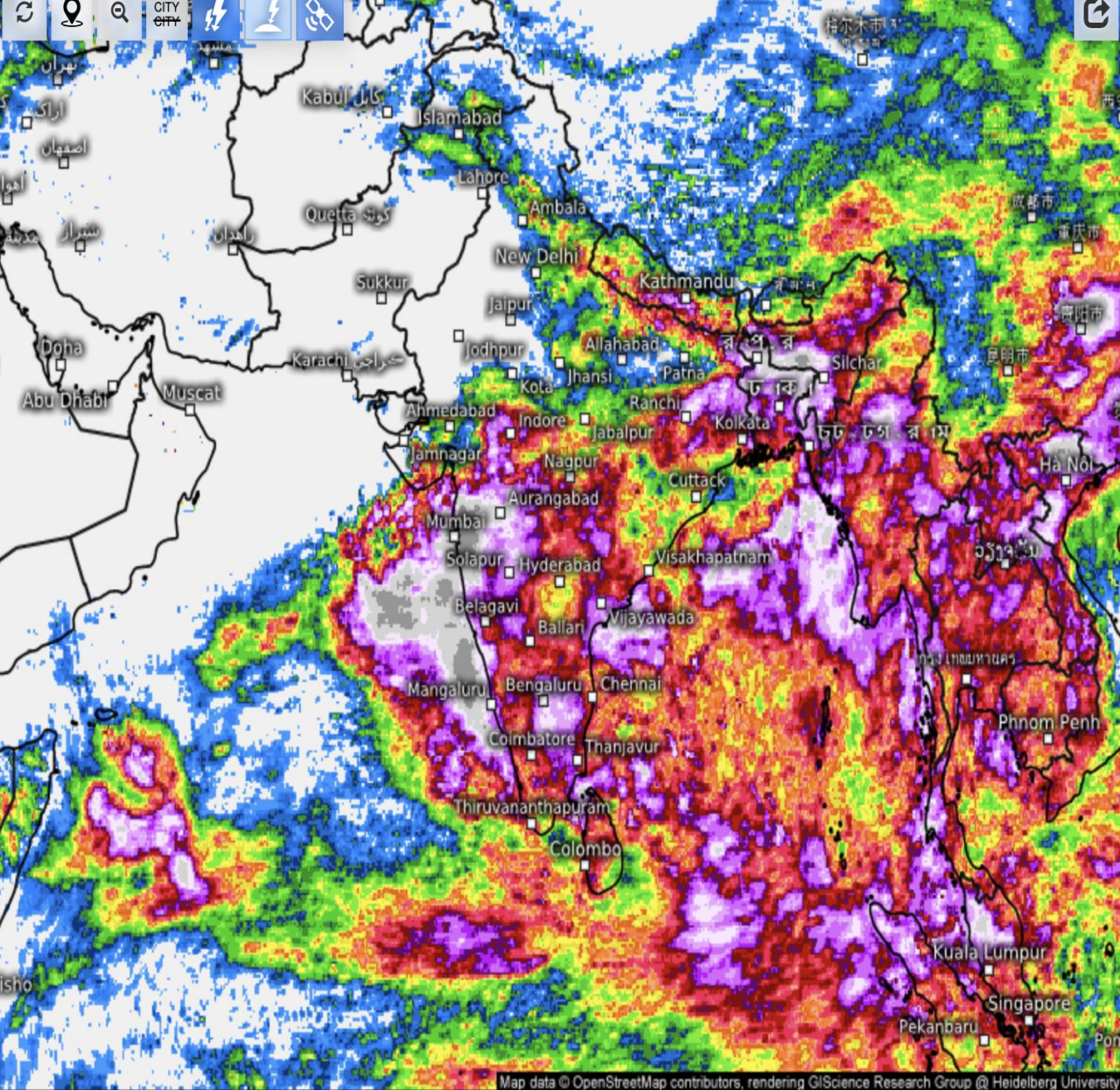


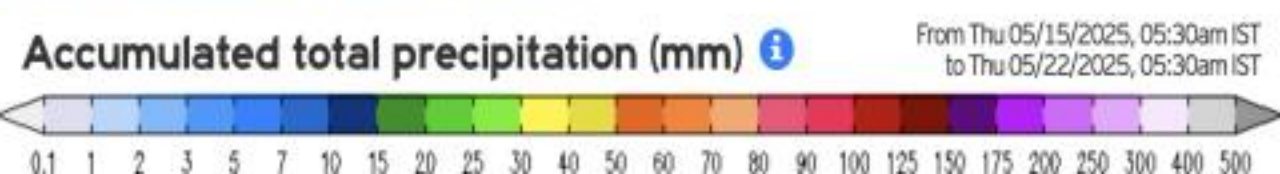
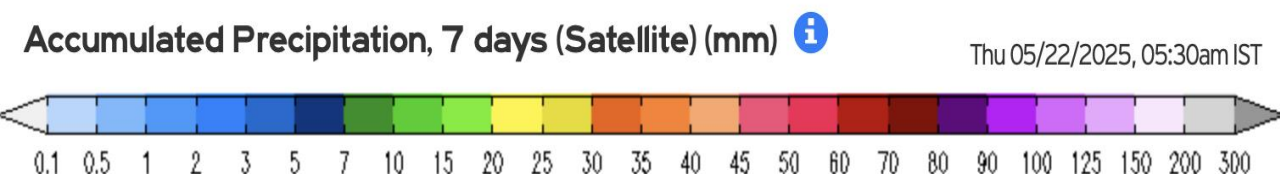
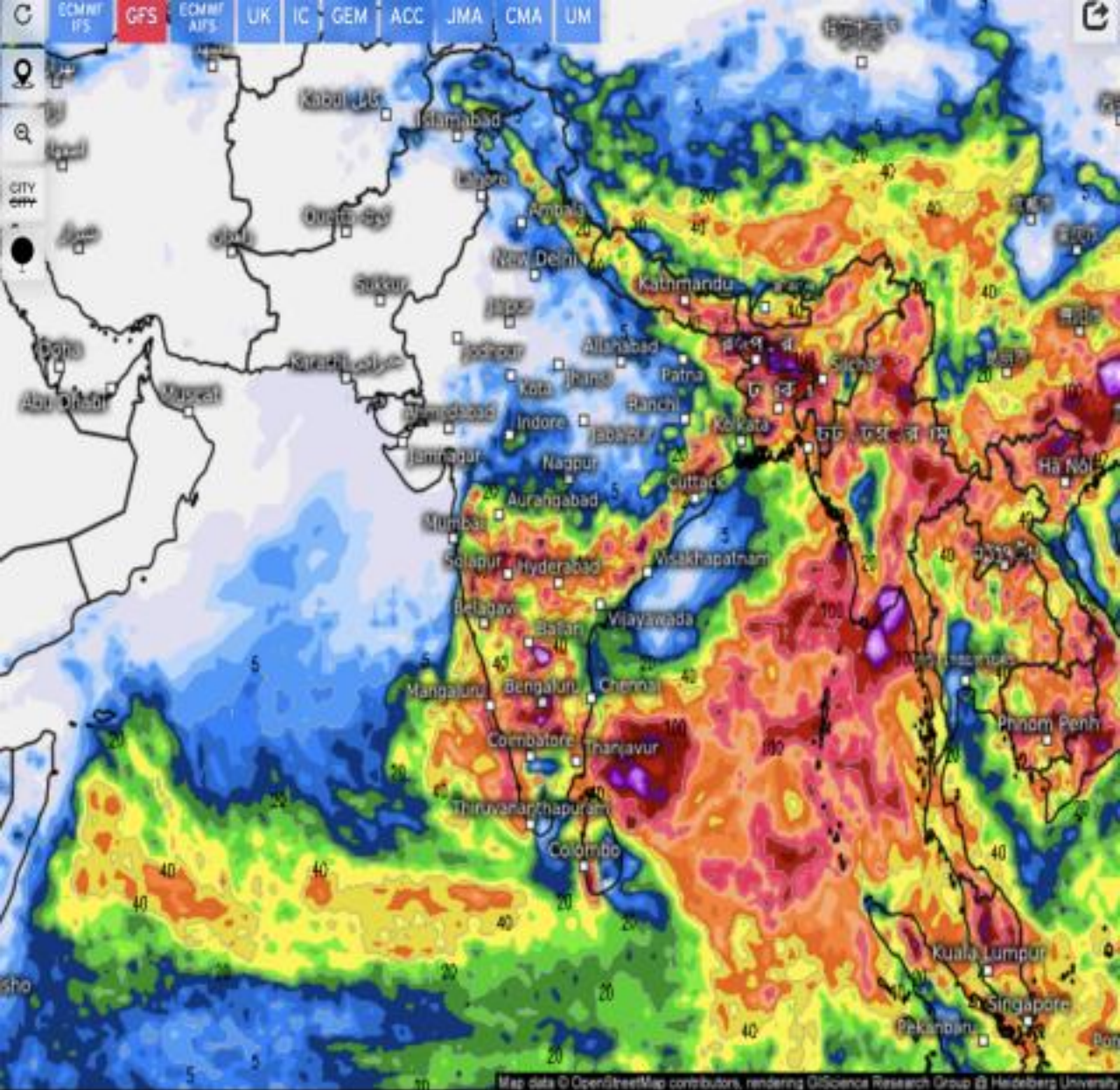
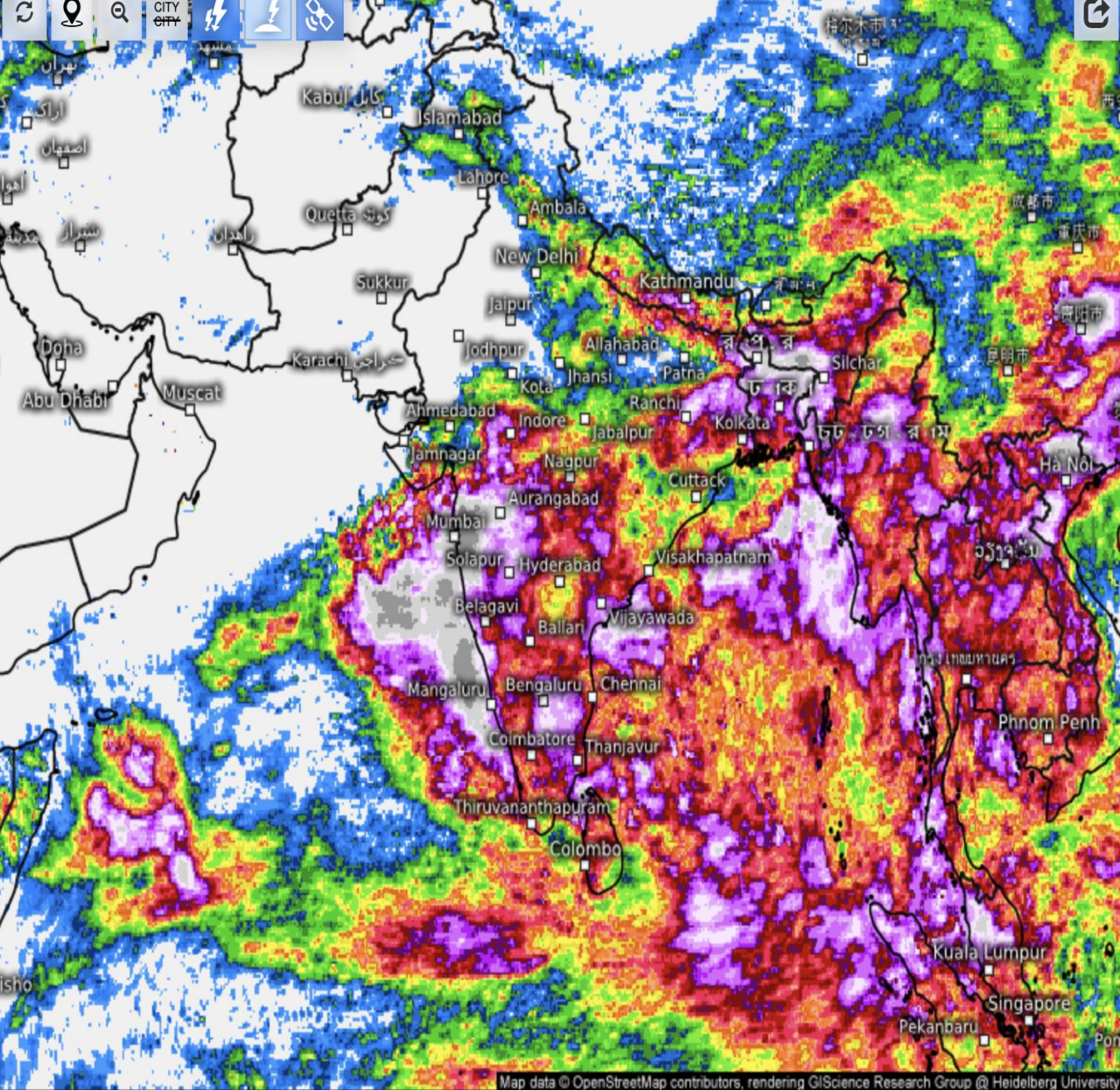
Calculated Snow Water Equivalent Anomaly (cm) 20241224

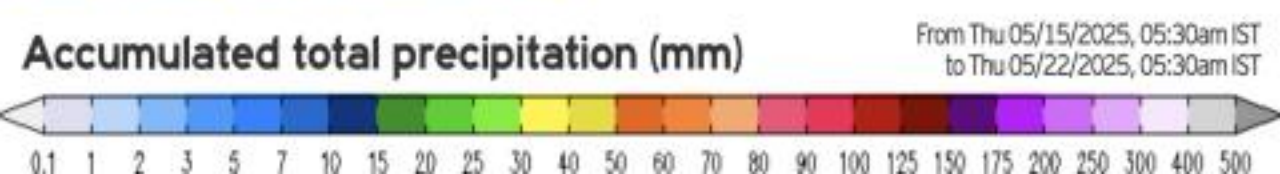
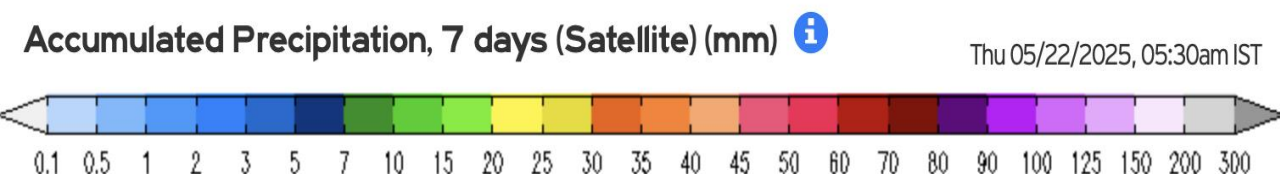
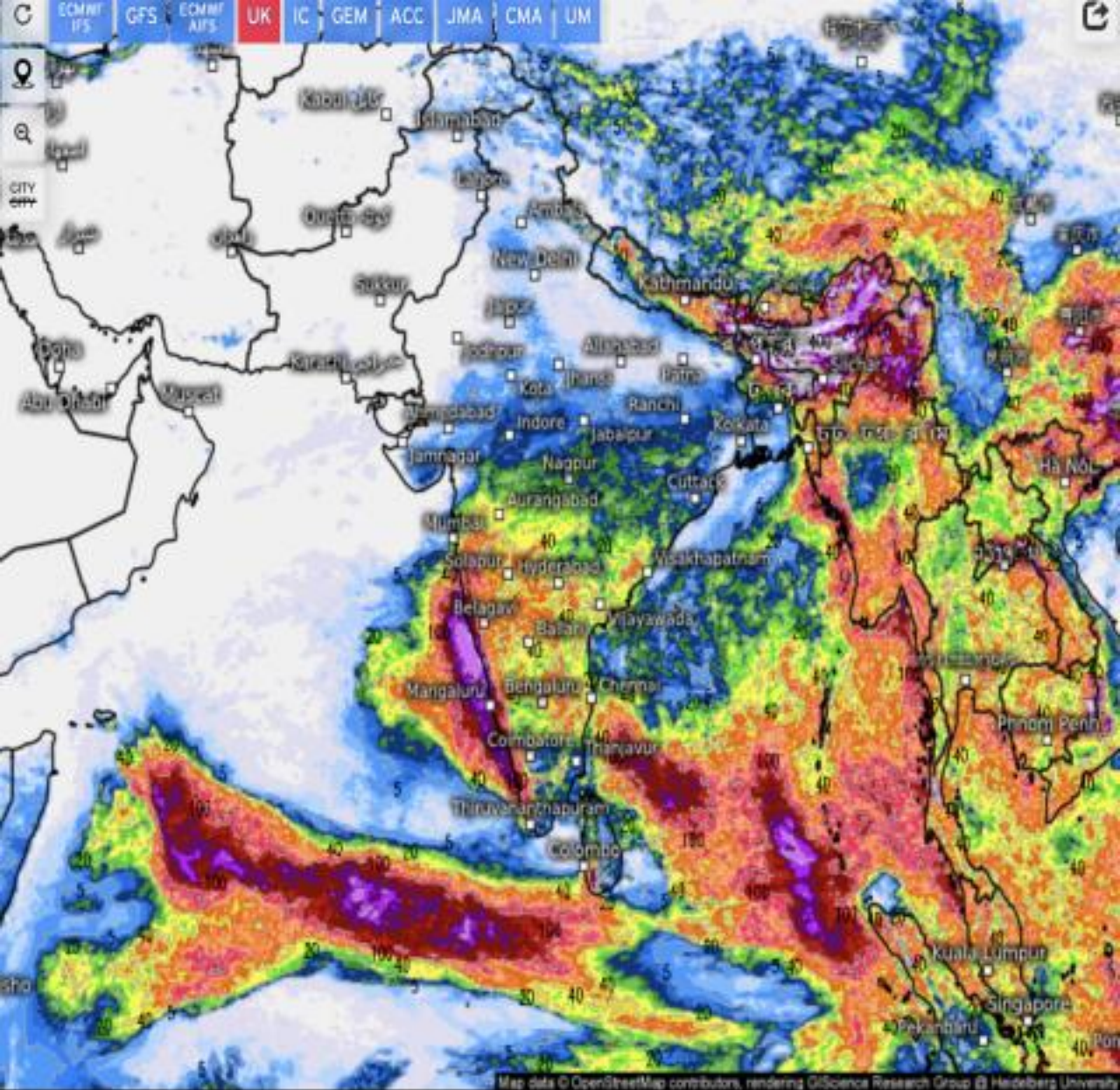
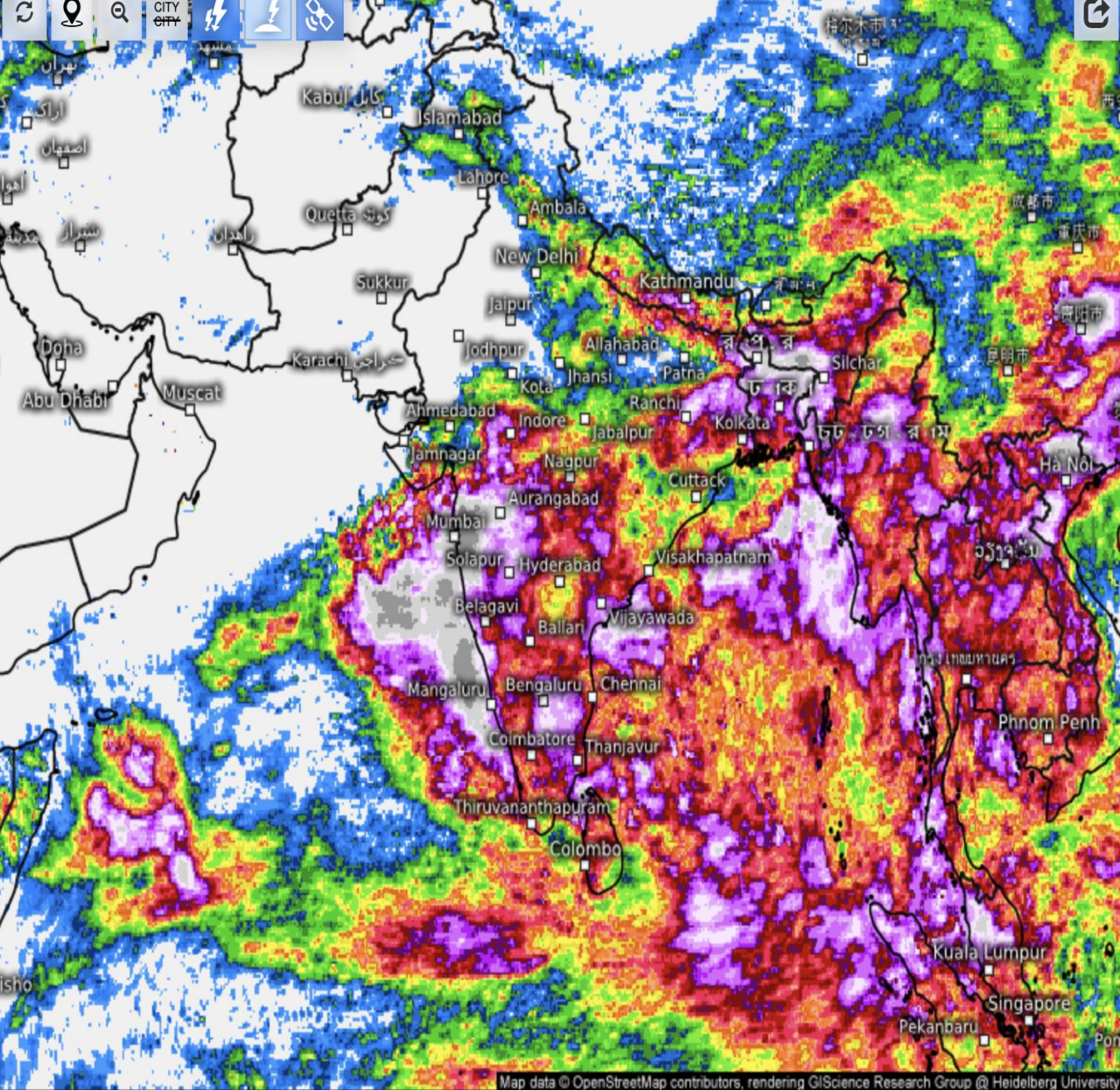


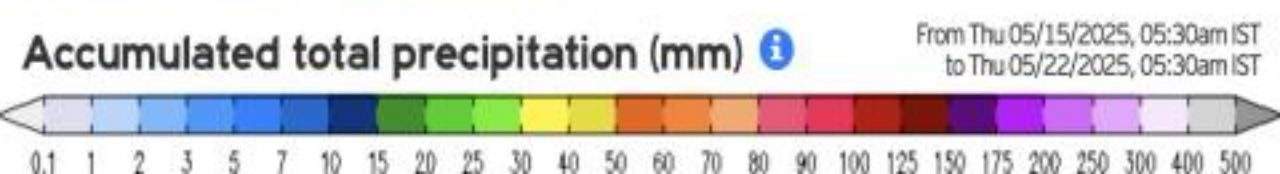
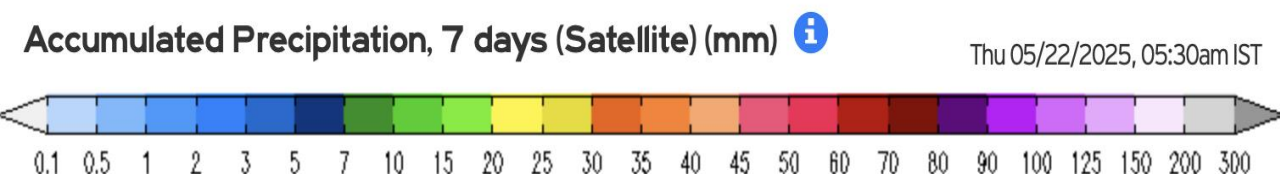
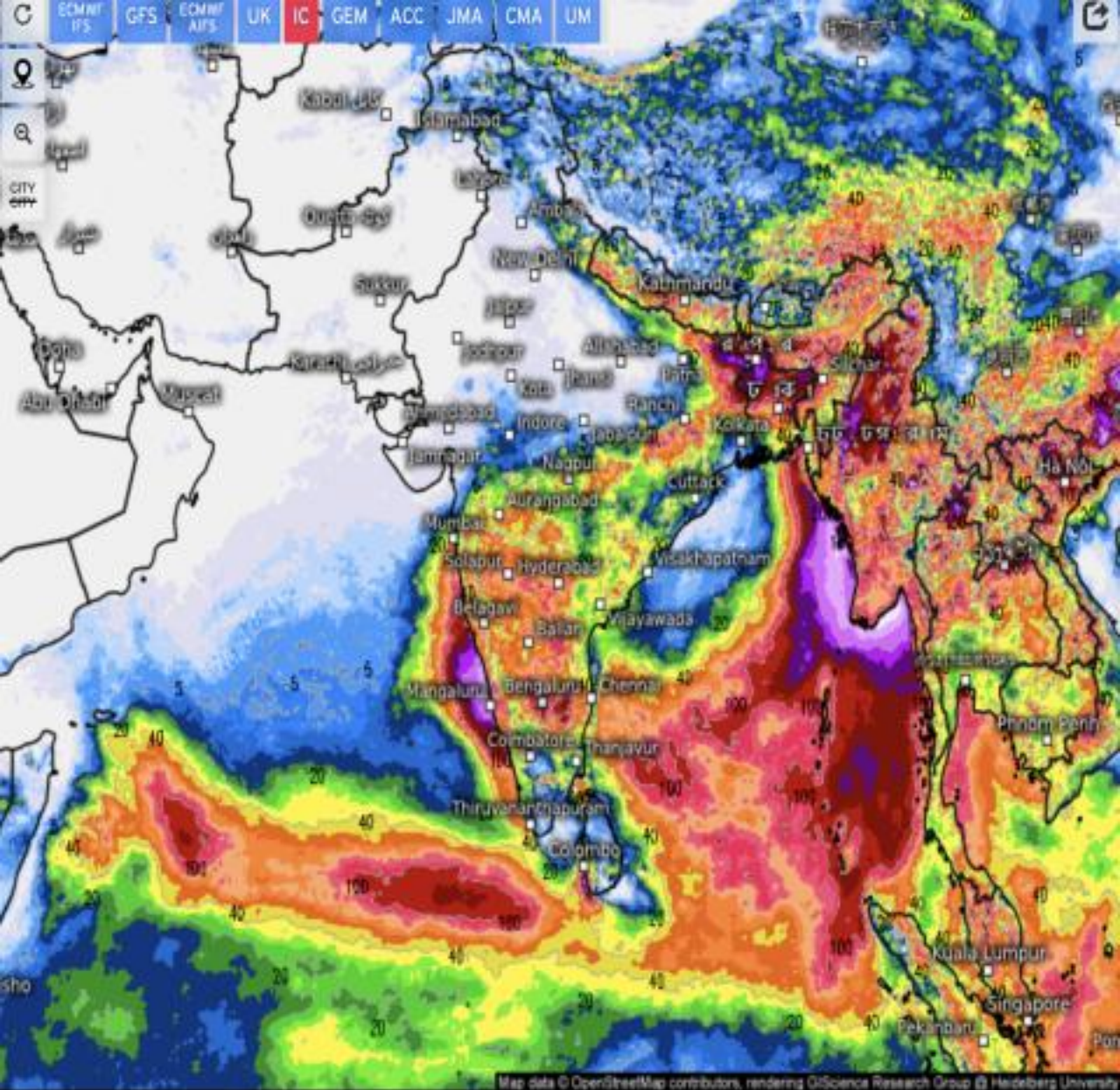
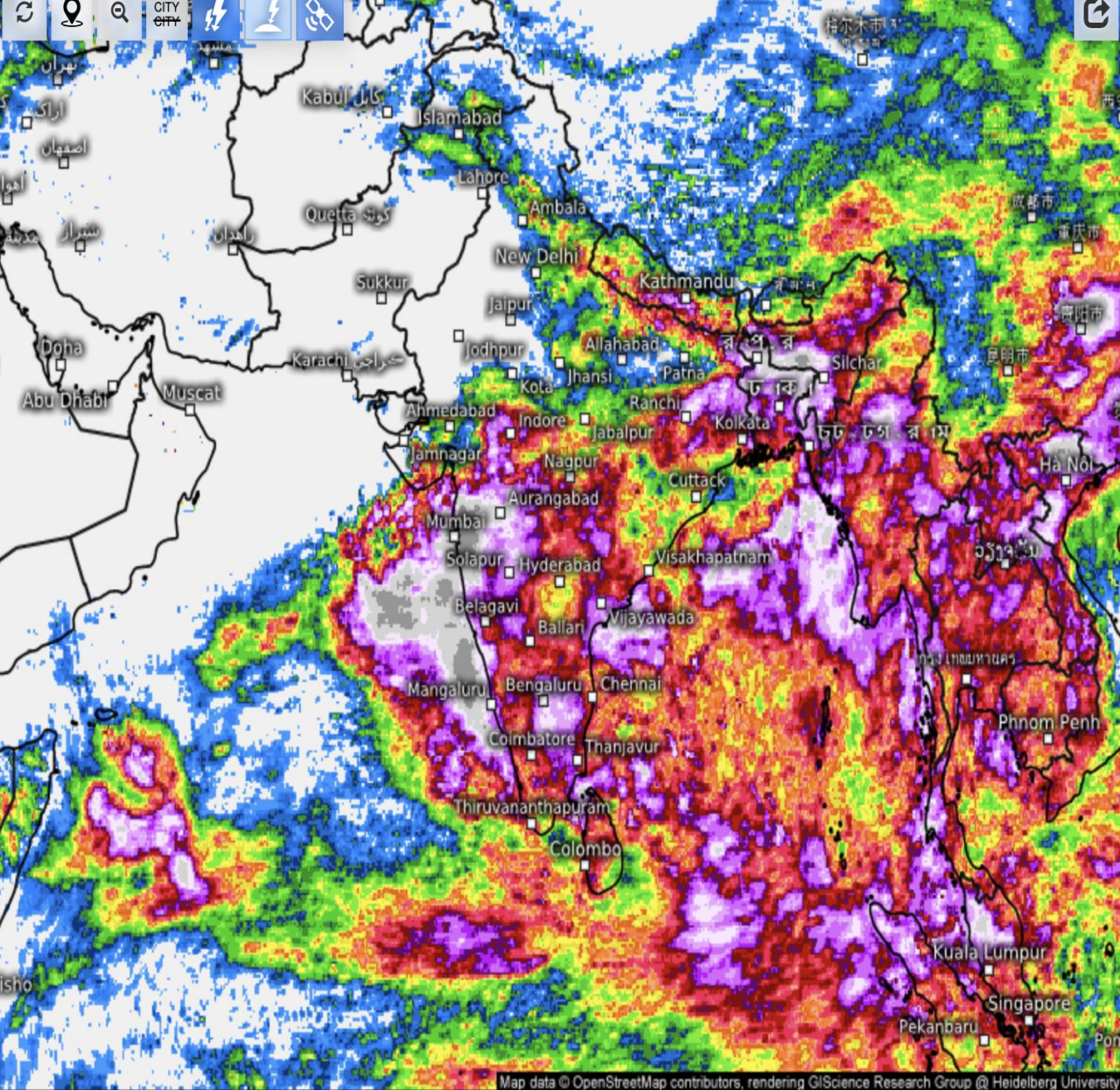
Calculated Snow Water Equivalent Anomaly (cm) 20250520

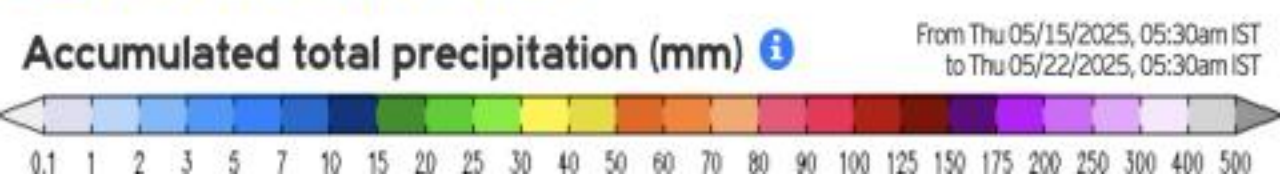
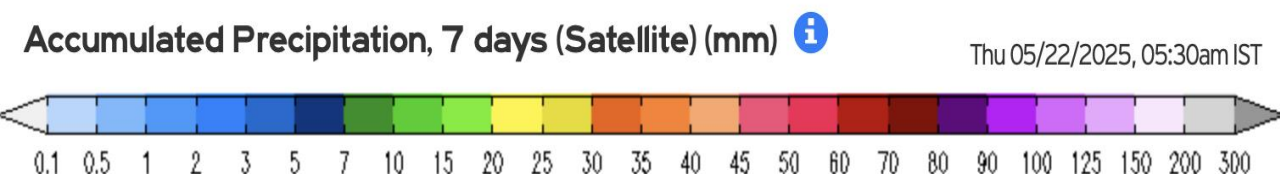
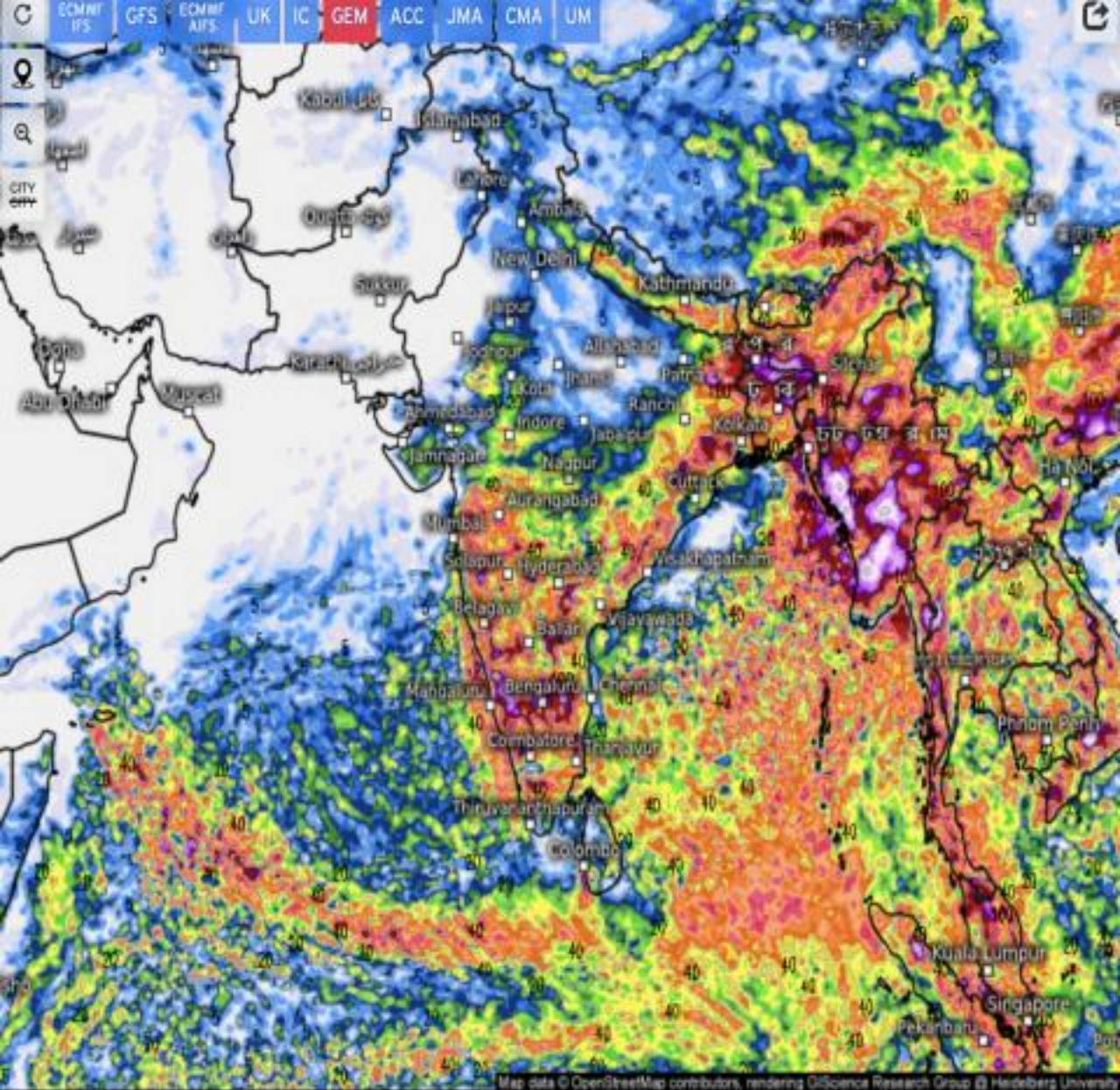
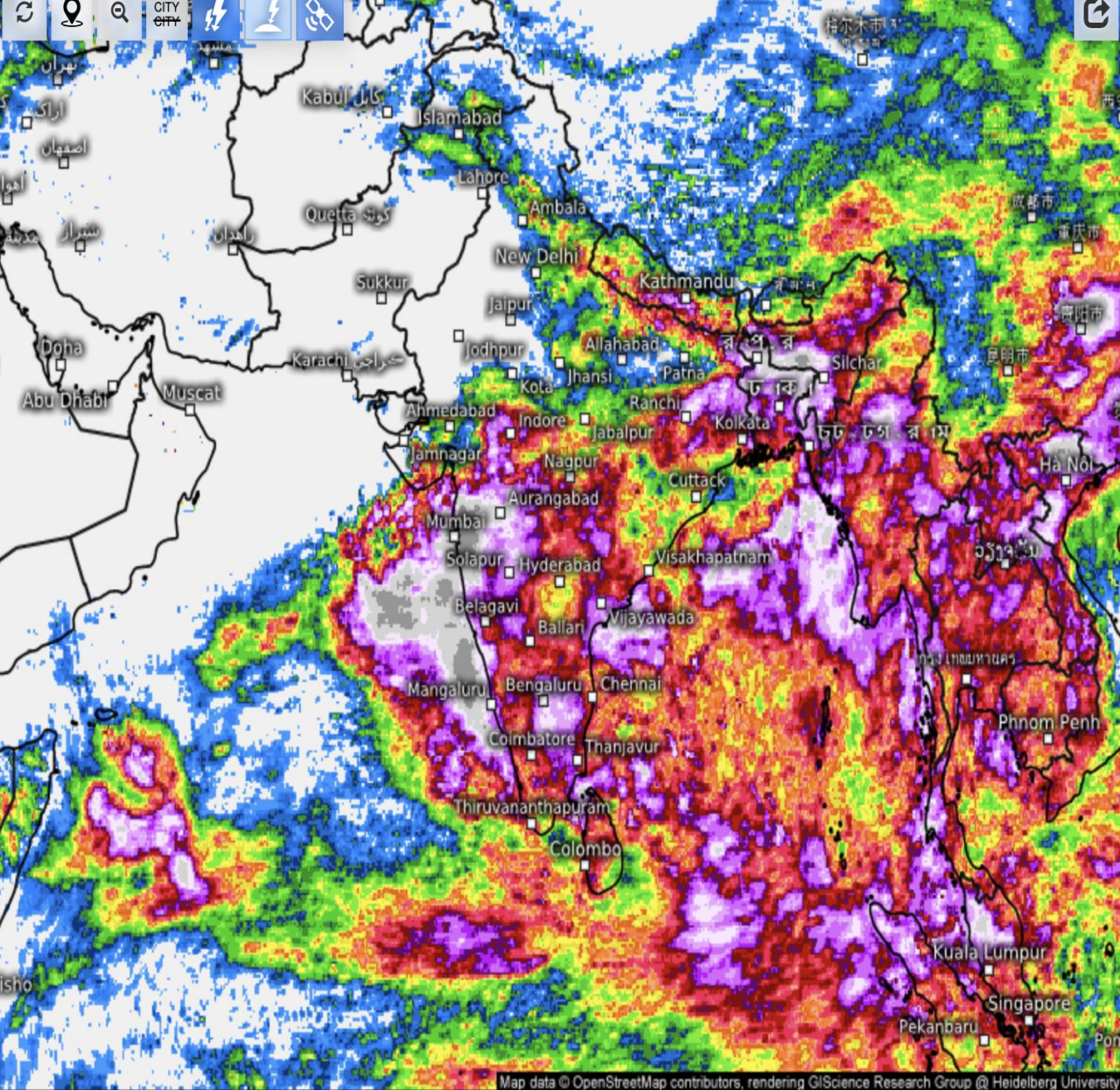


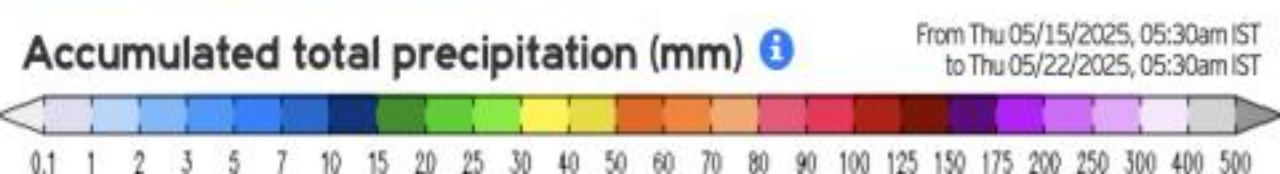
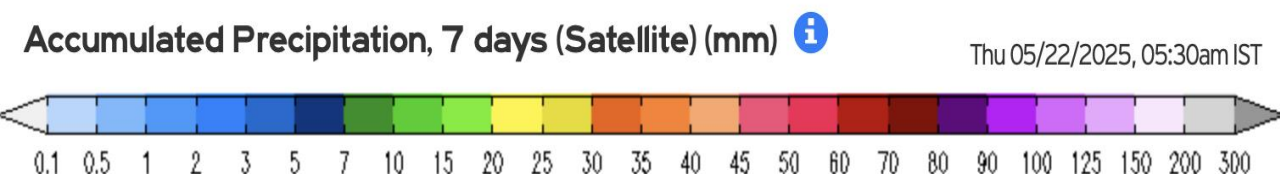
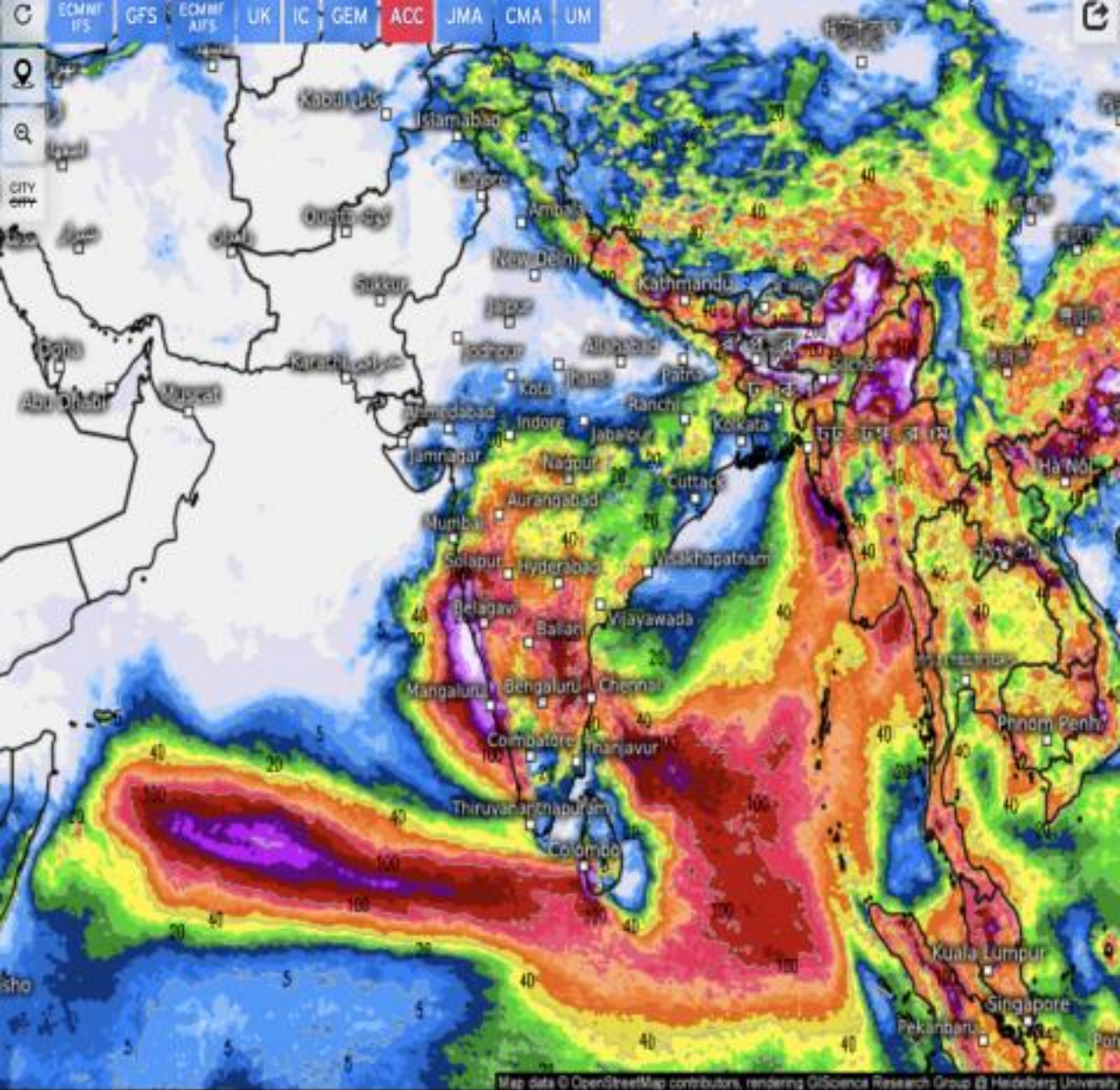
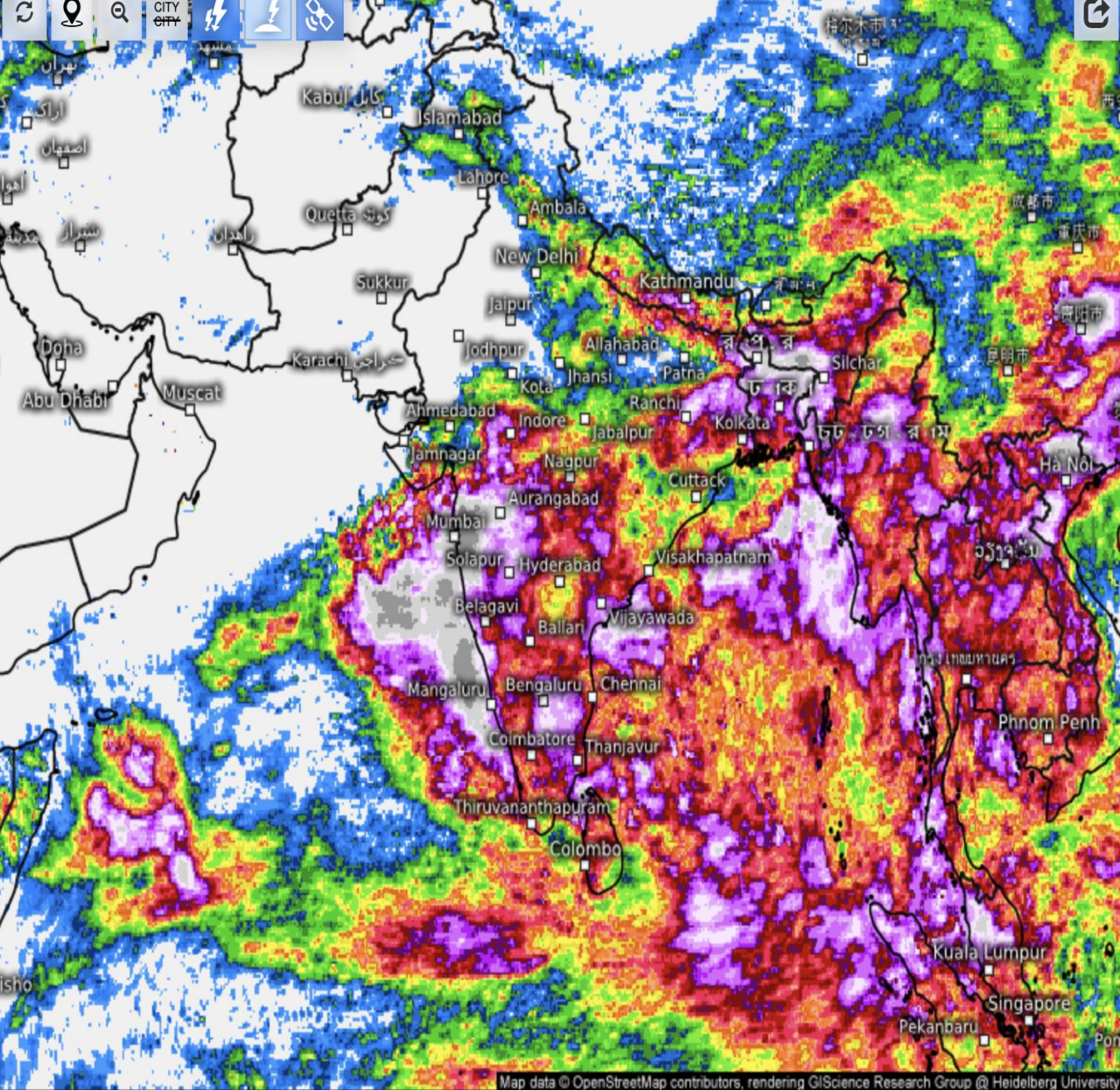


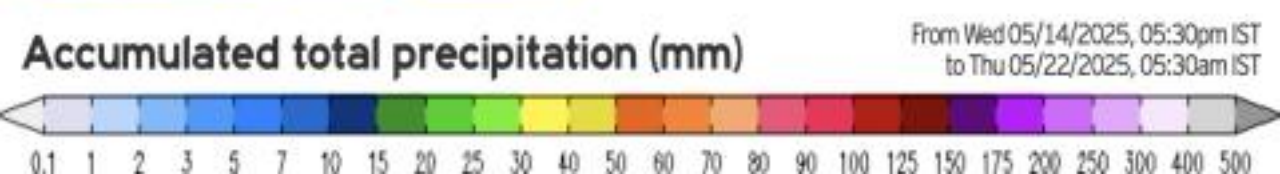
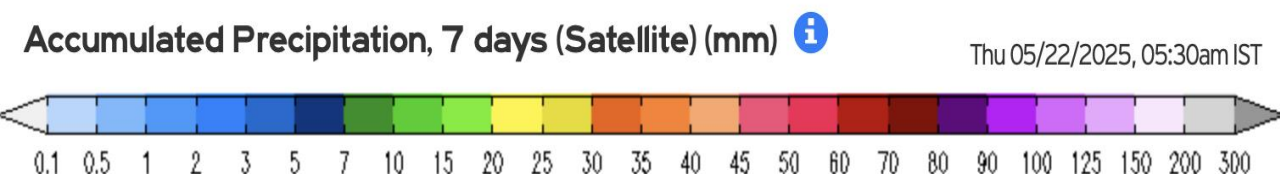
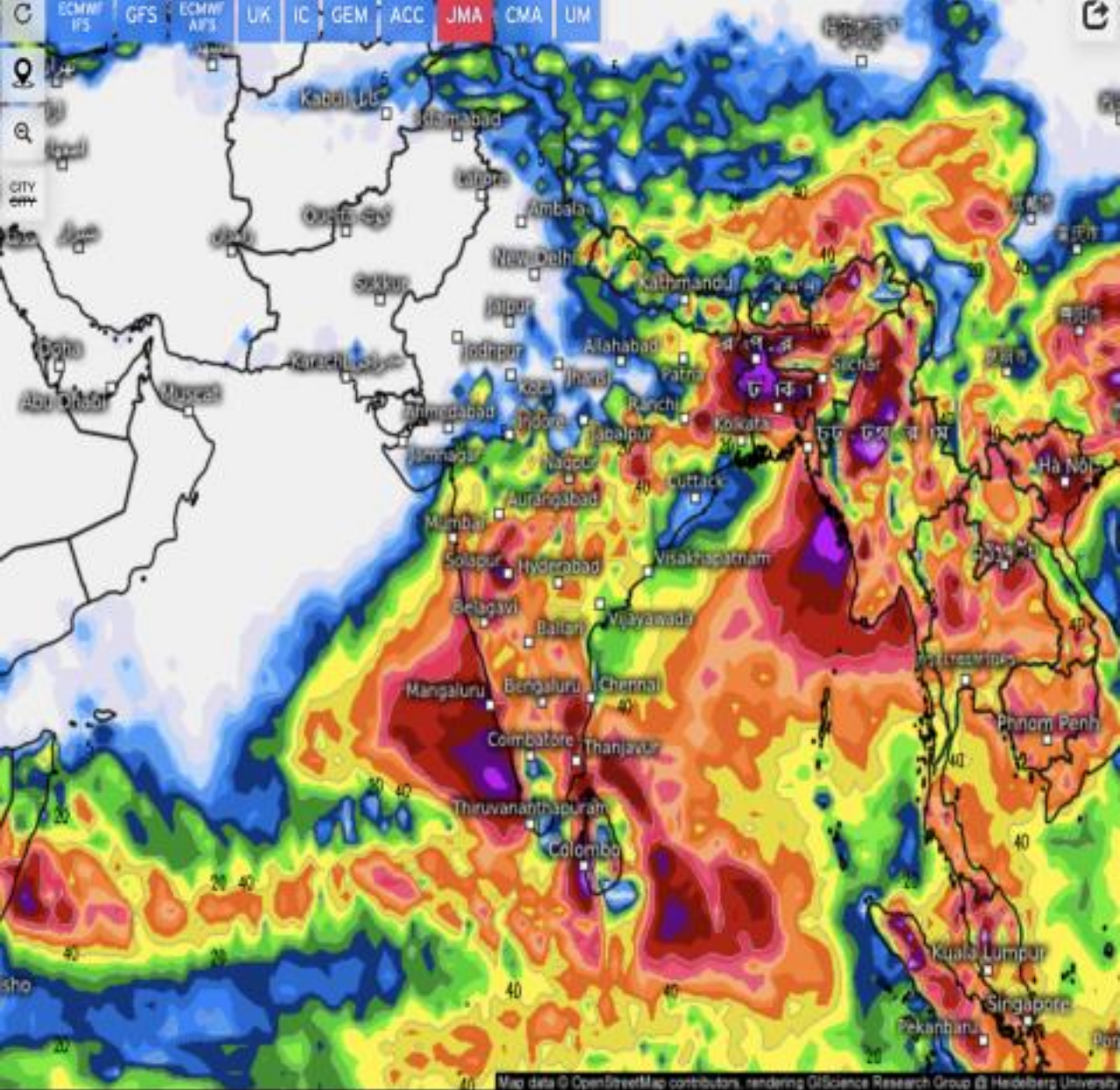
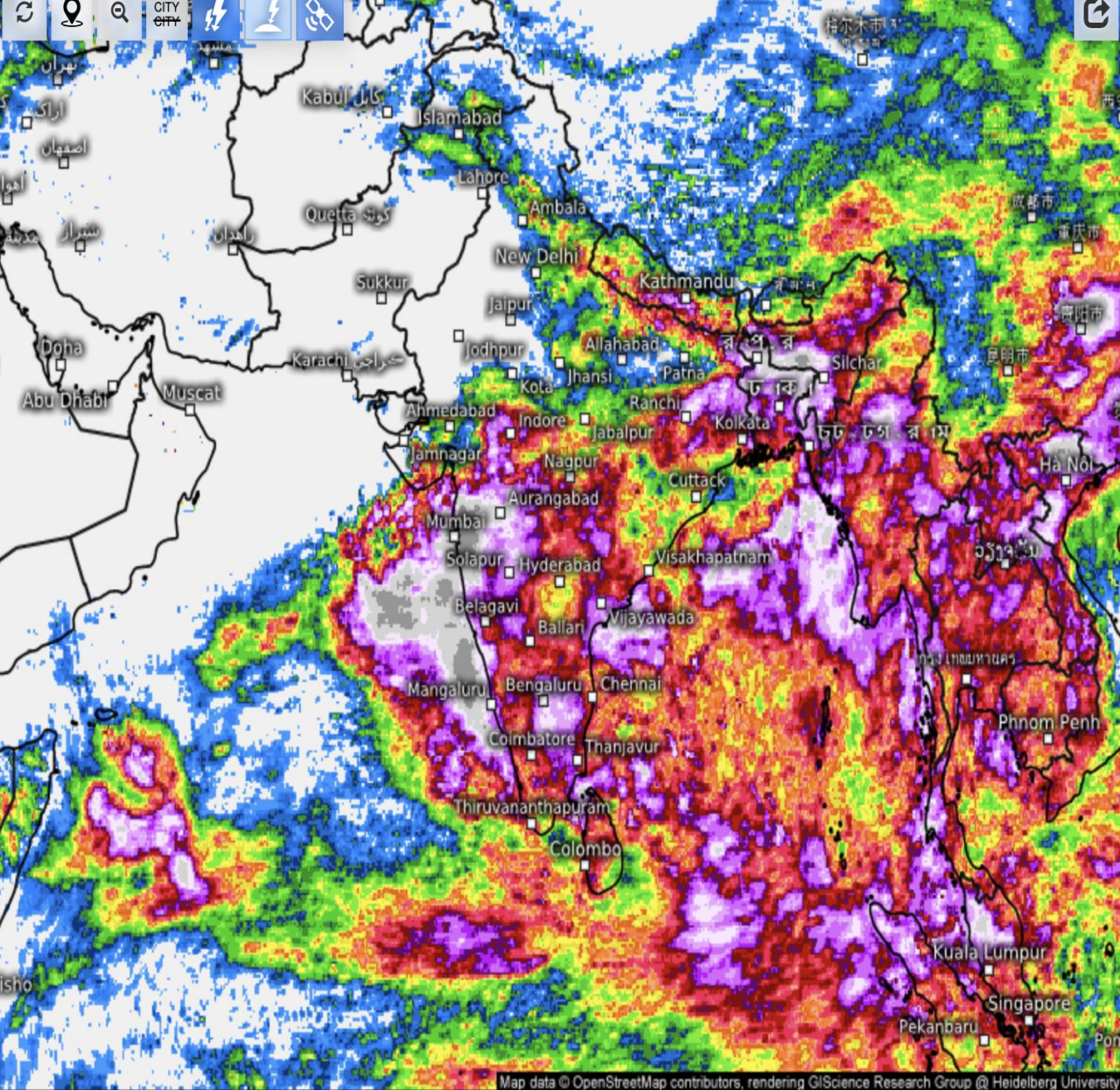


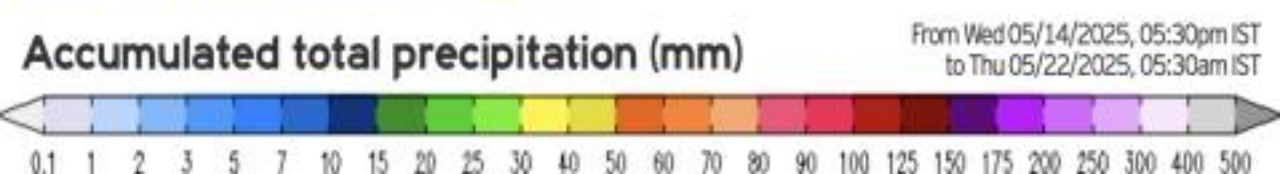
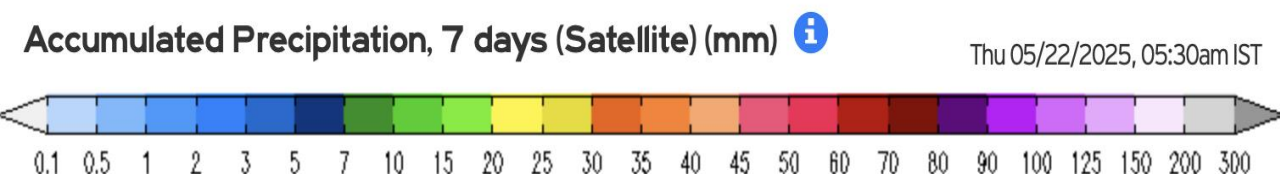
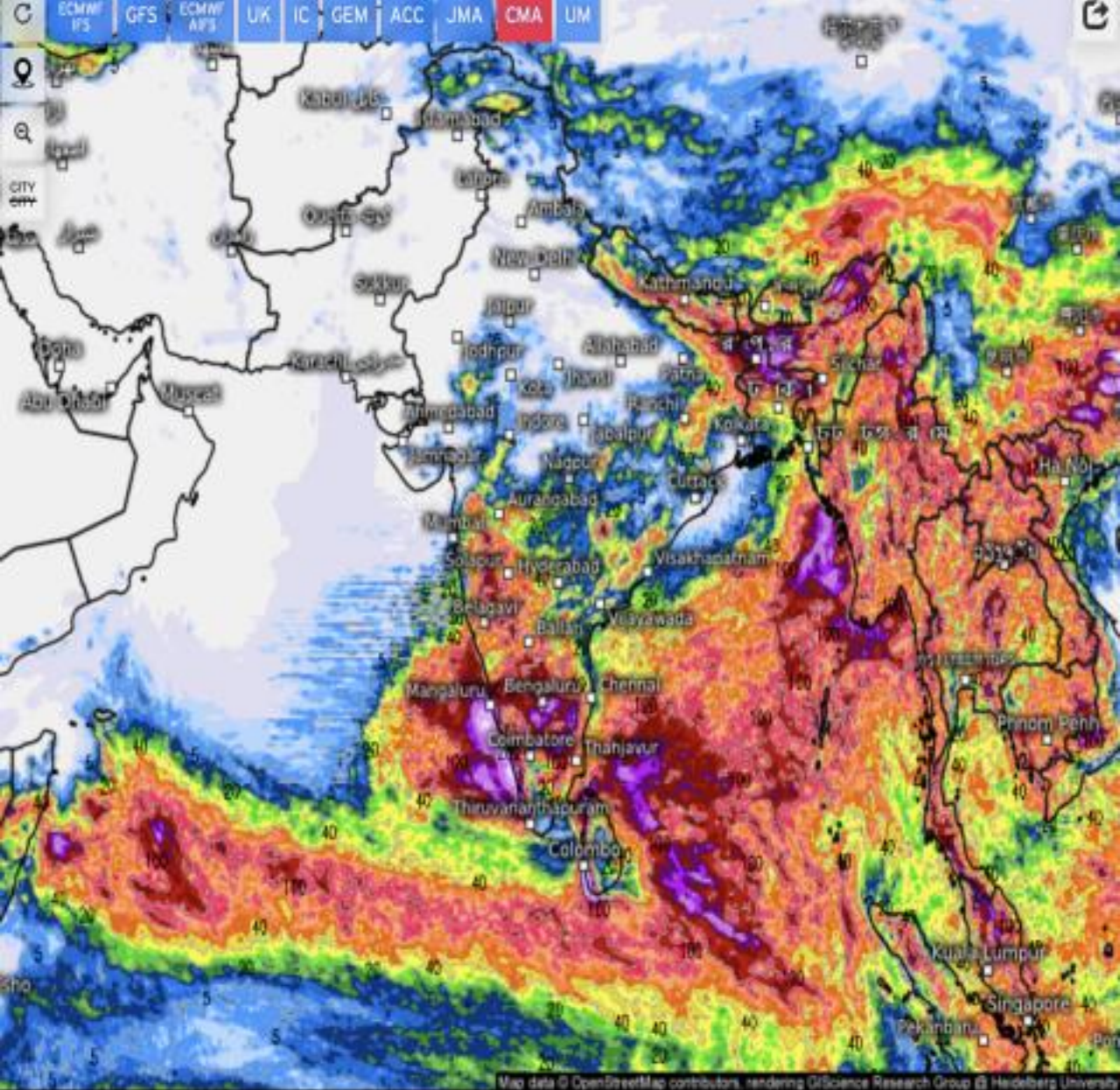
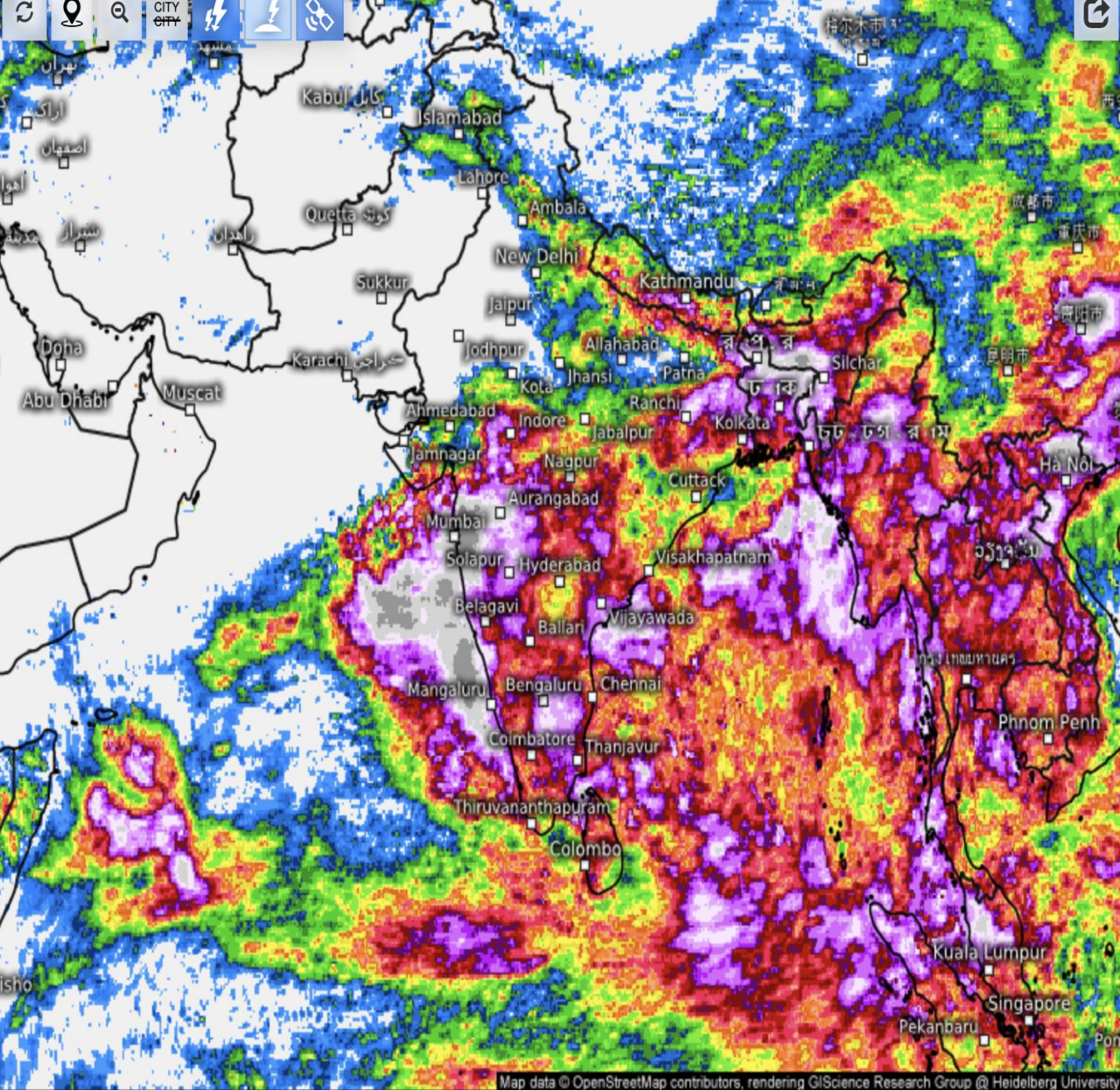


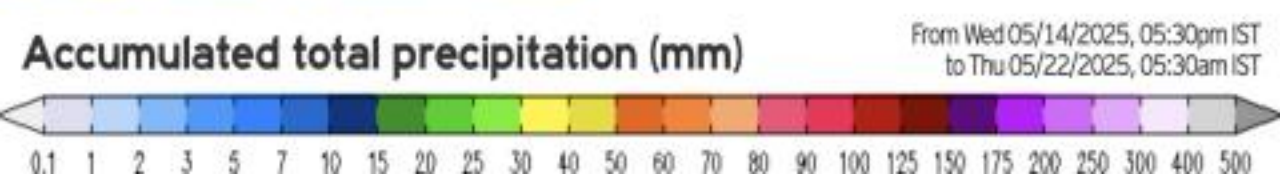
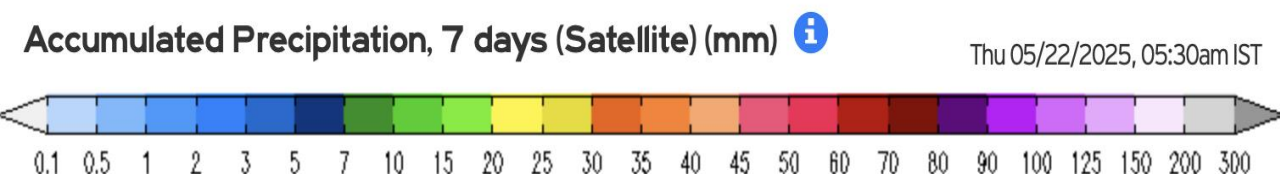
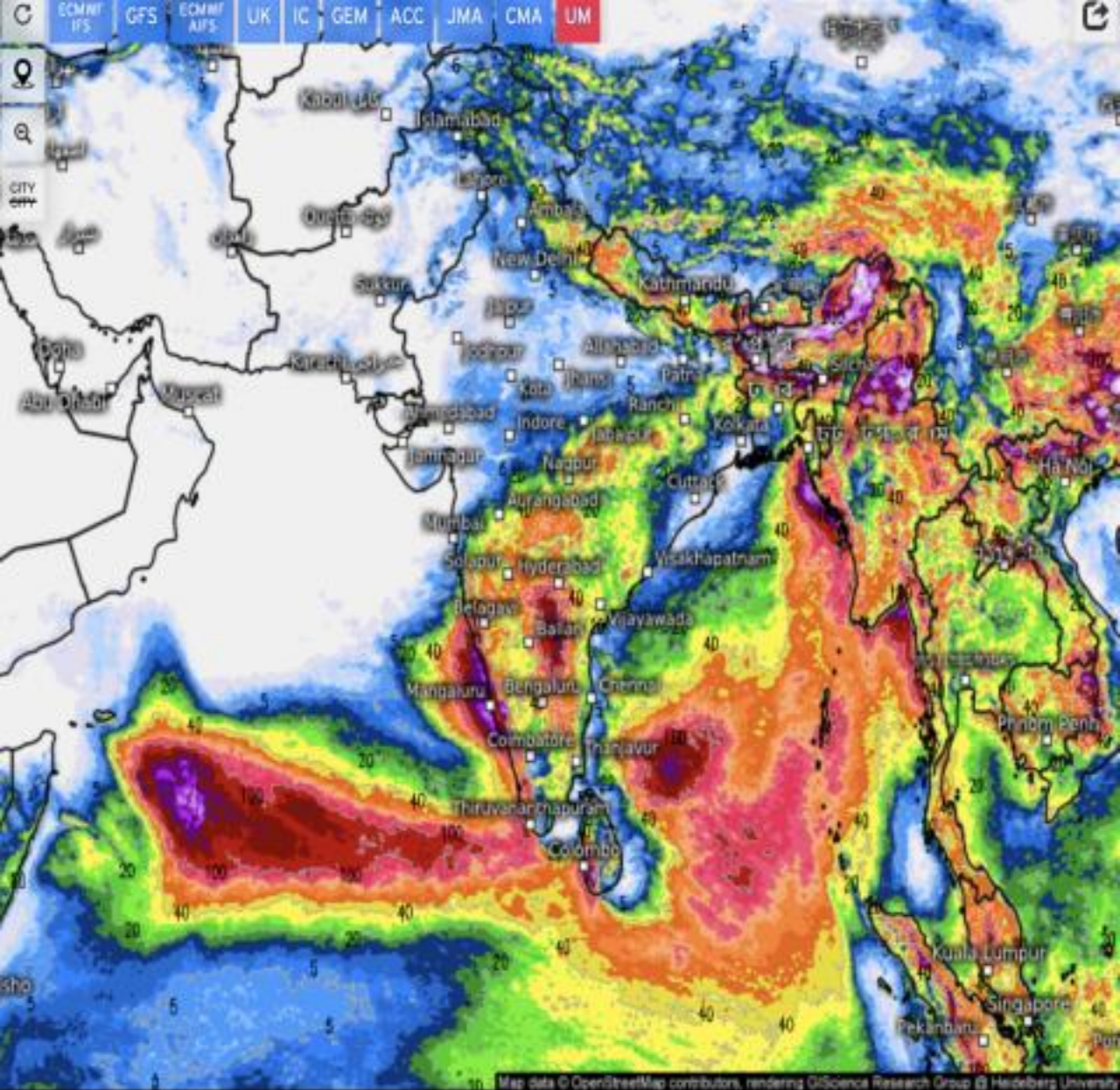
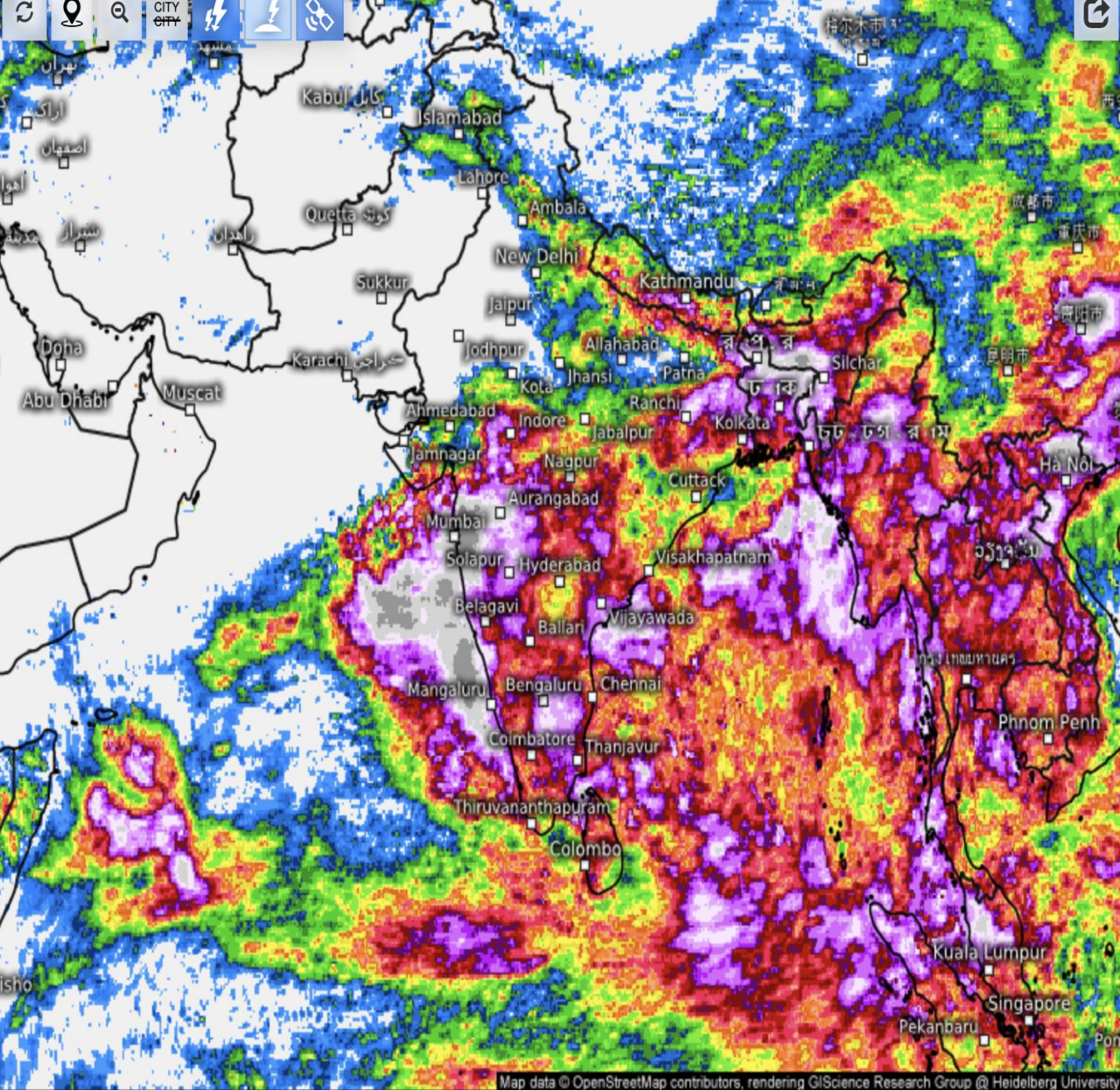


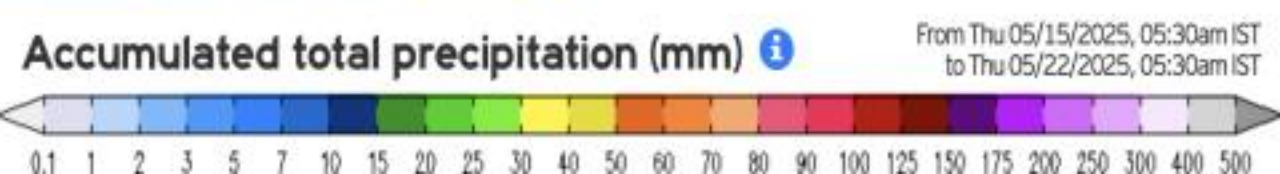
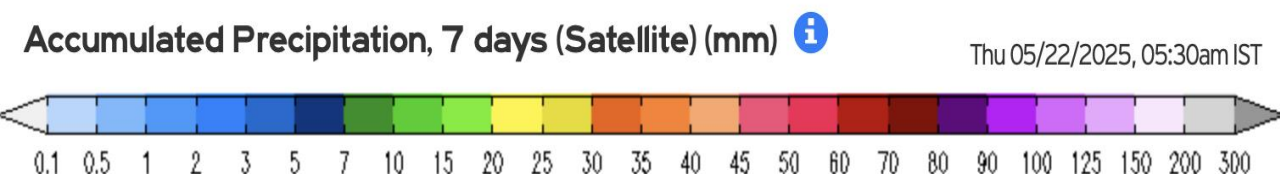
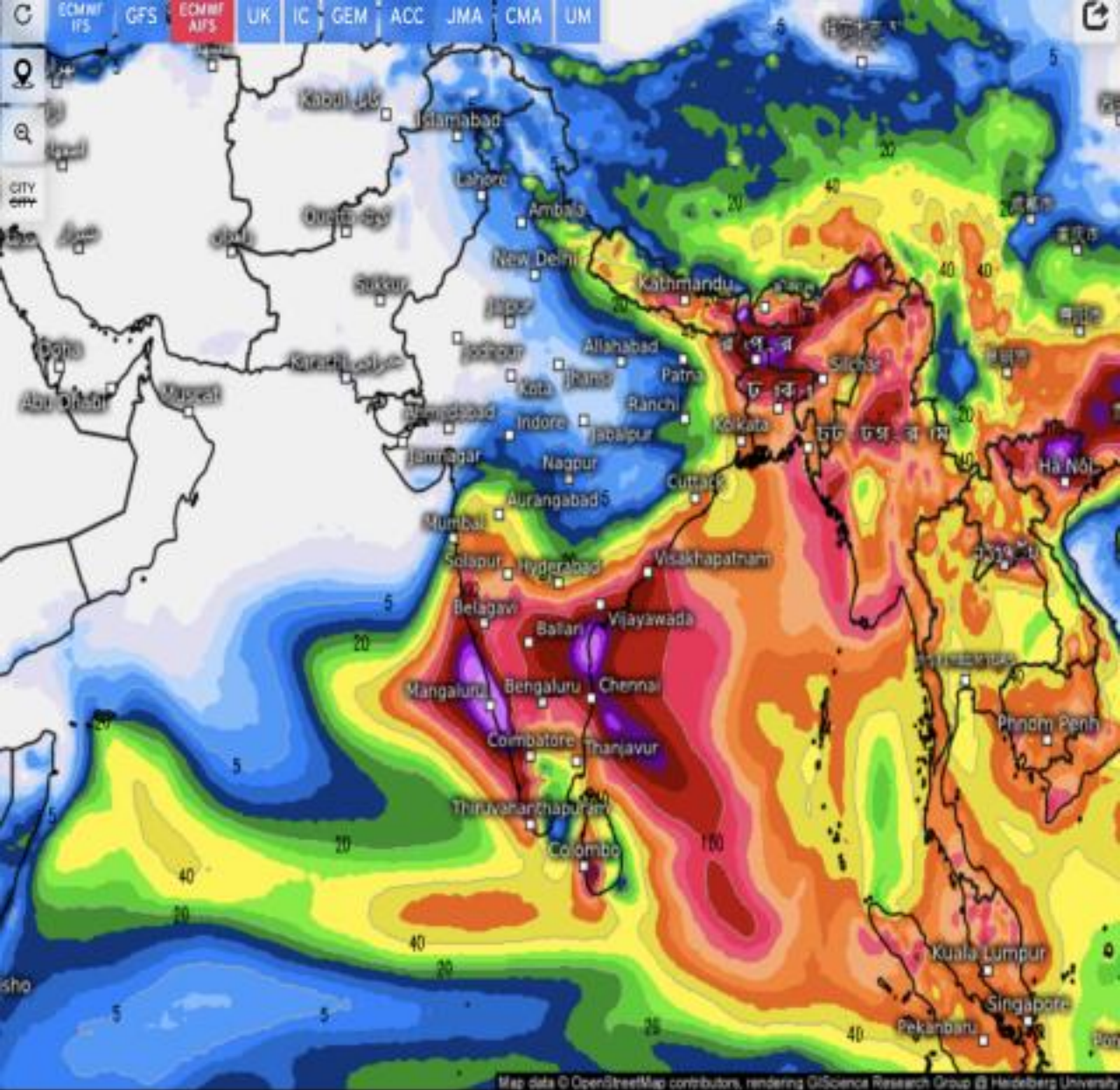
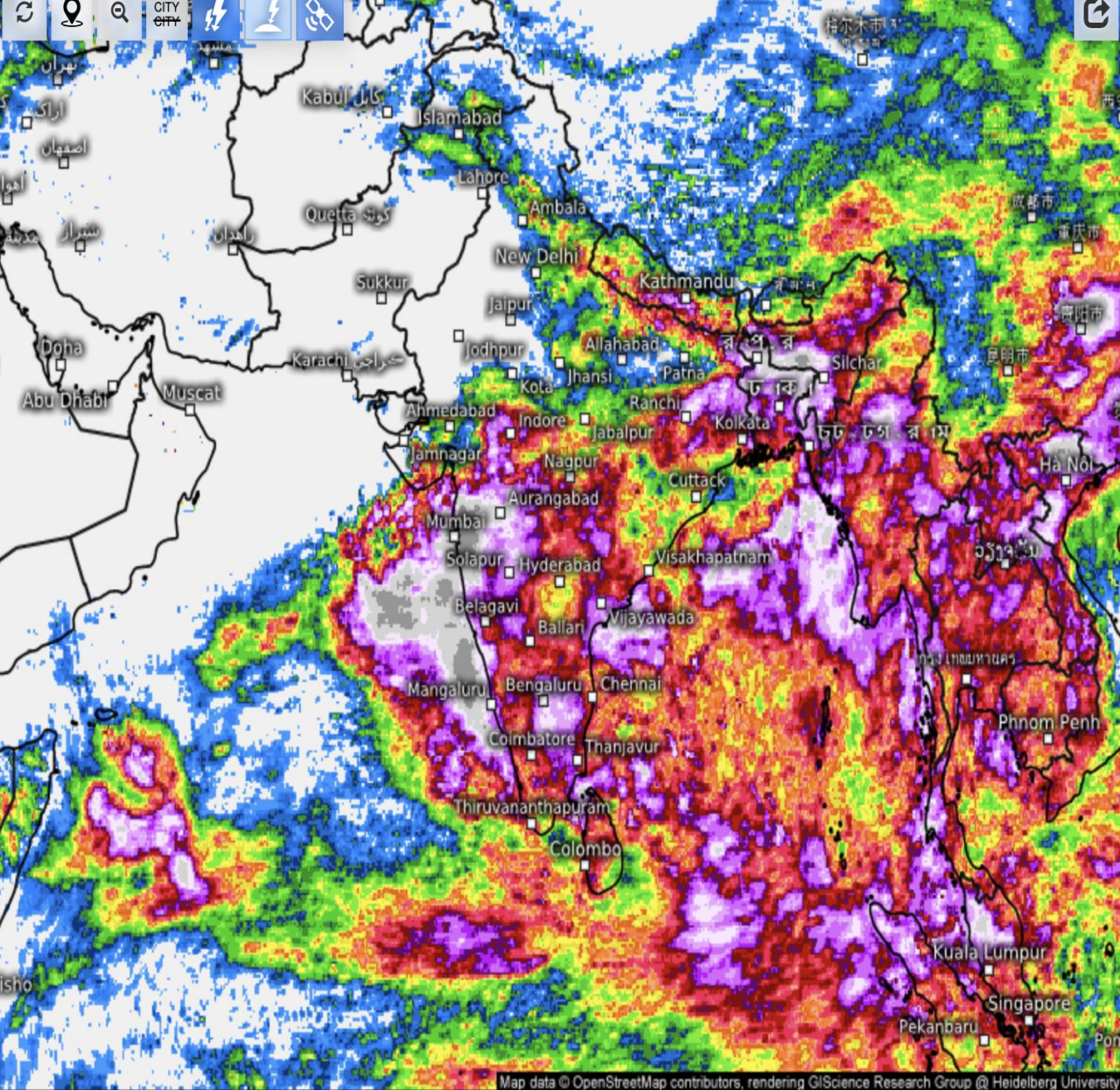


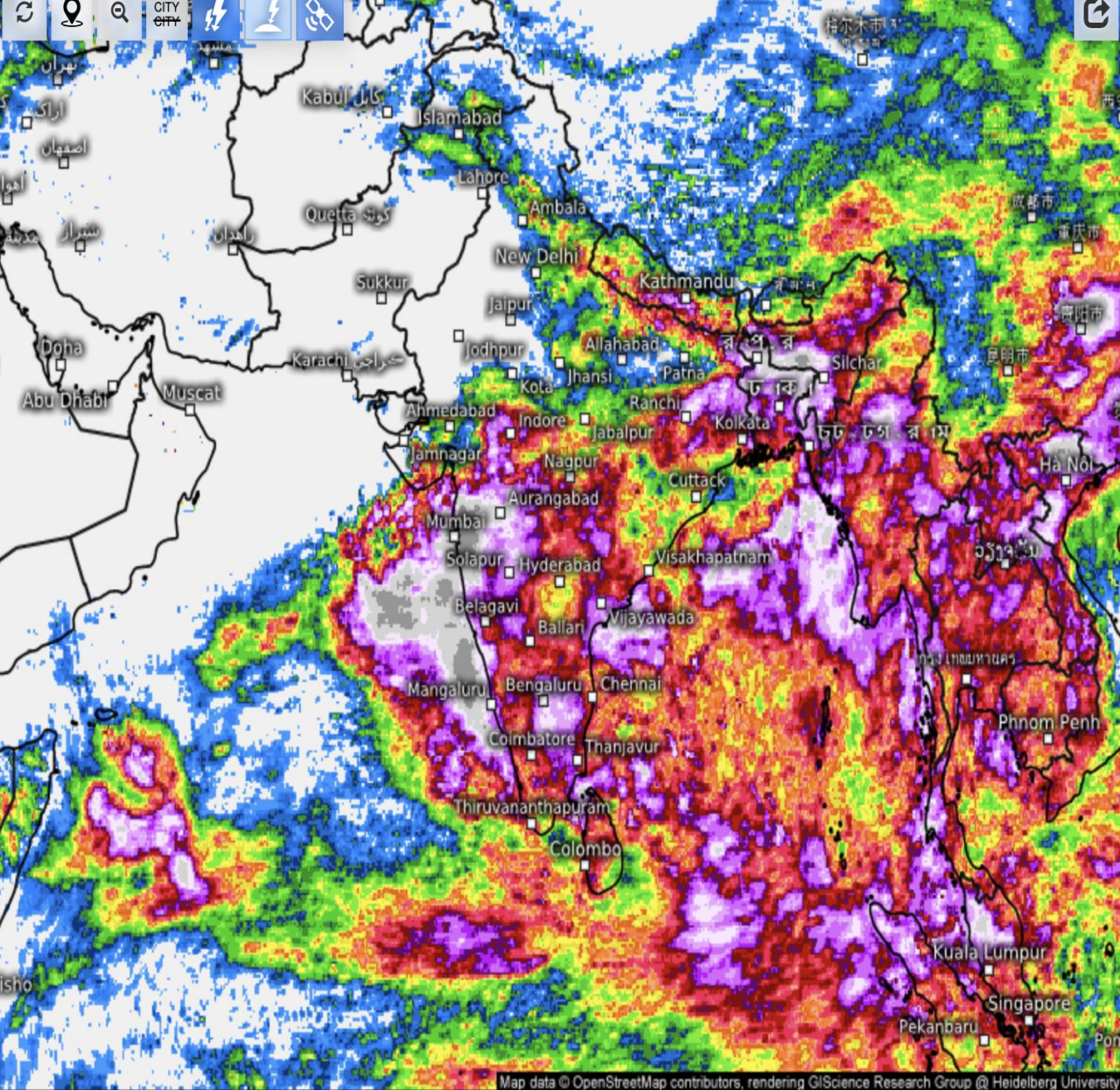






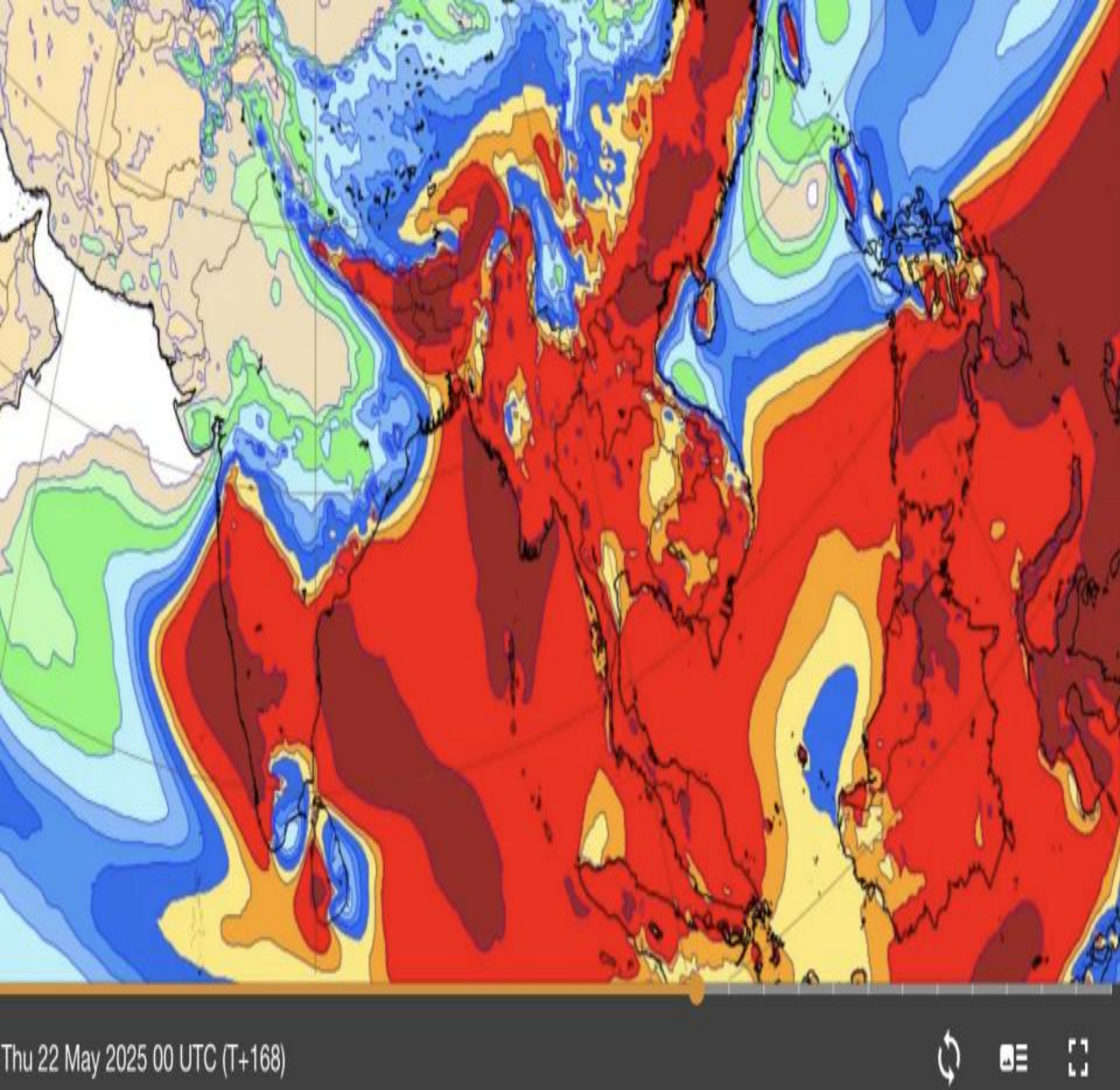
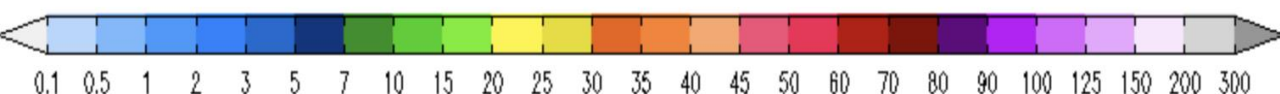




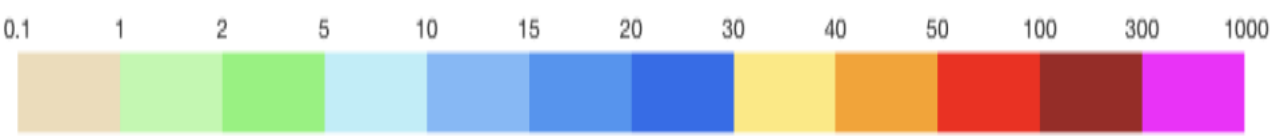


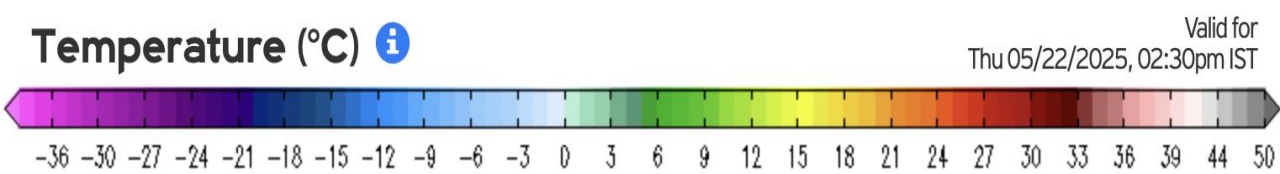
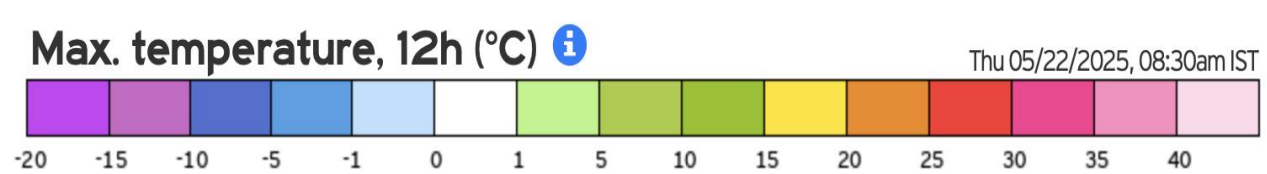
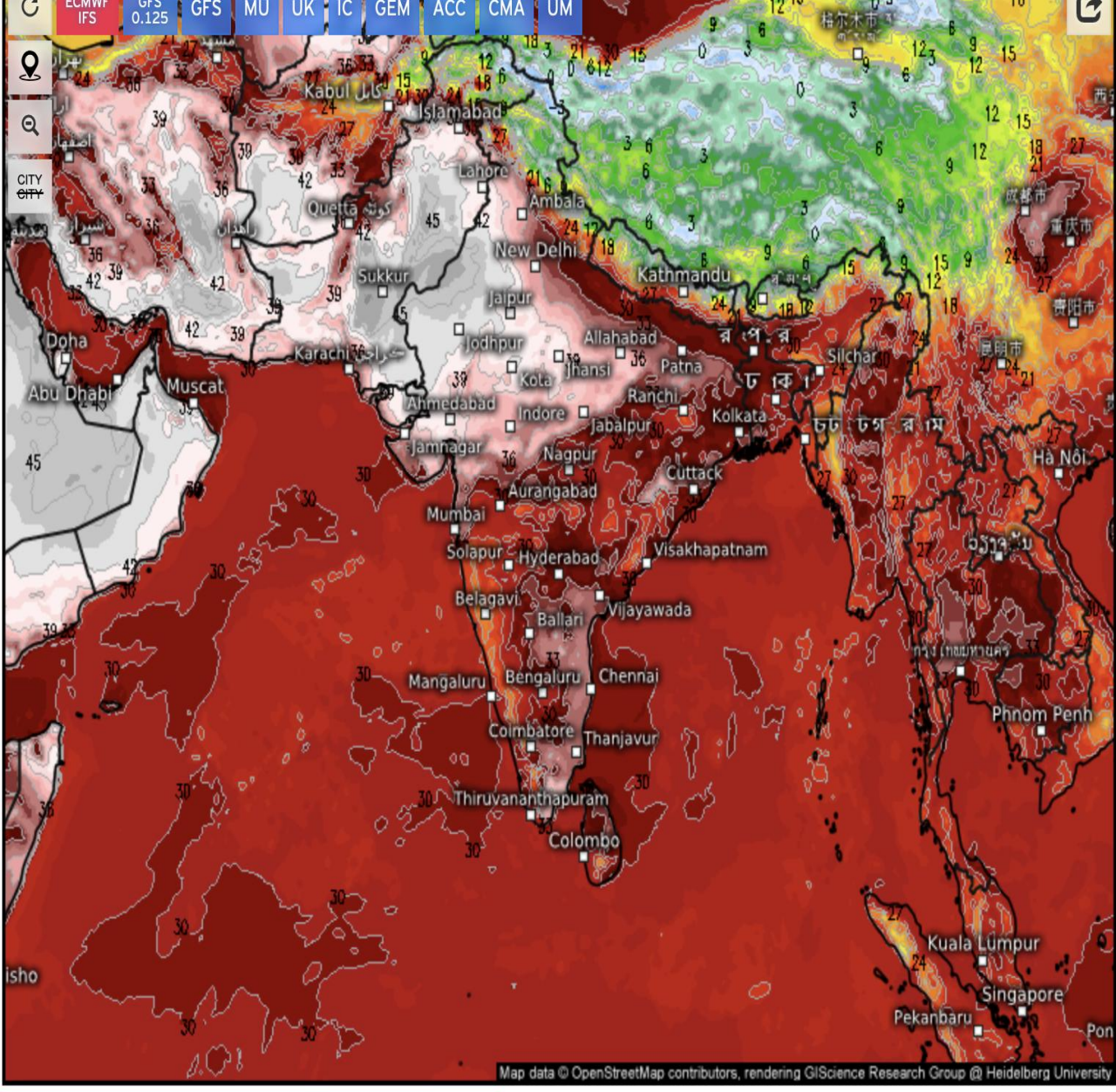
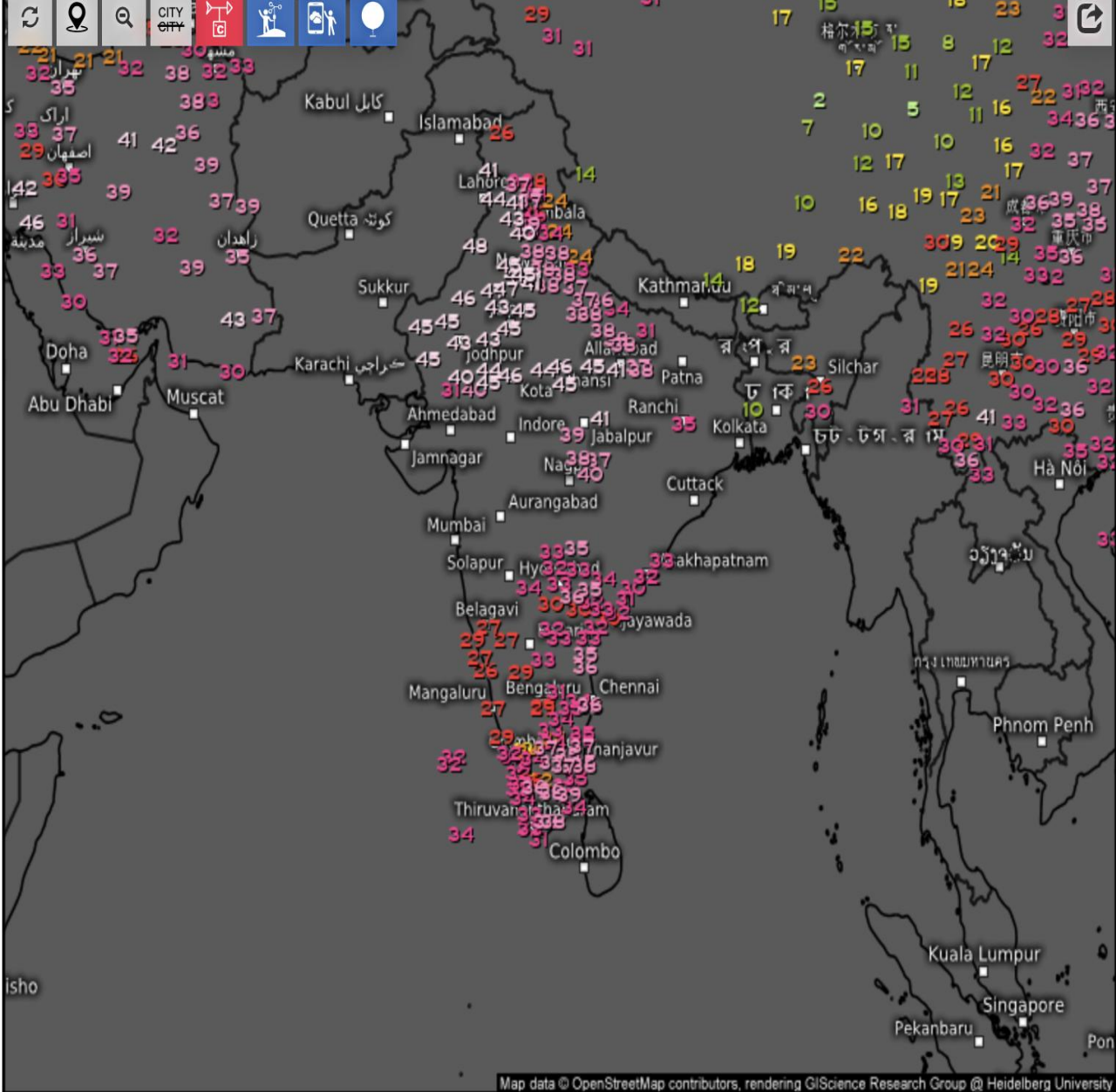
Accumulated Precipitation, 7 days (Satellite) (mm)

Thu 05/22/2025, 05:30am IST



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



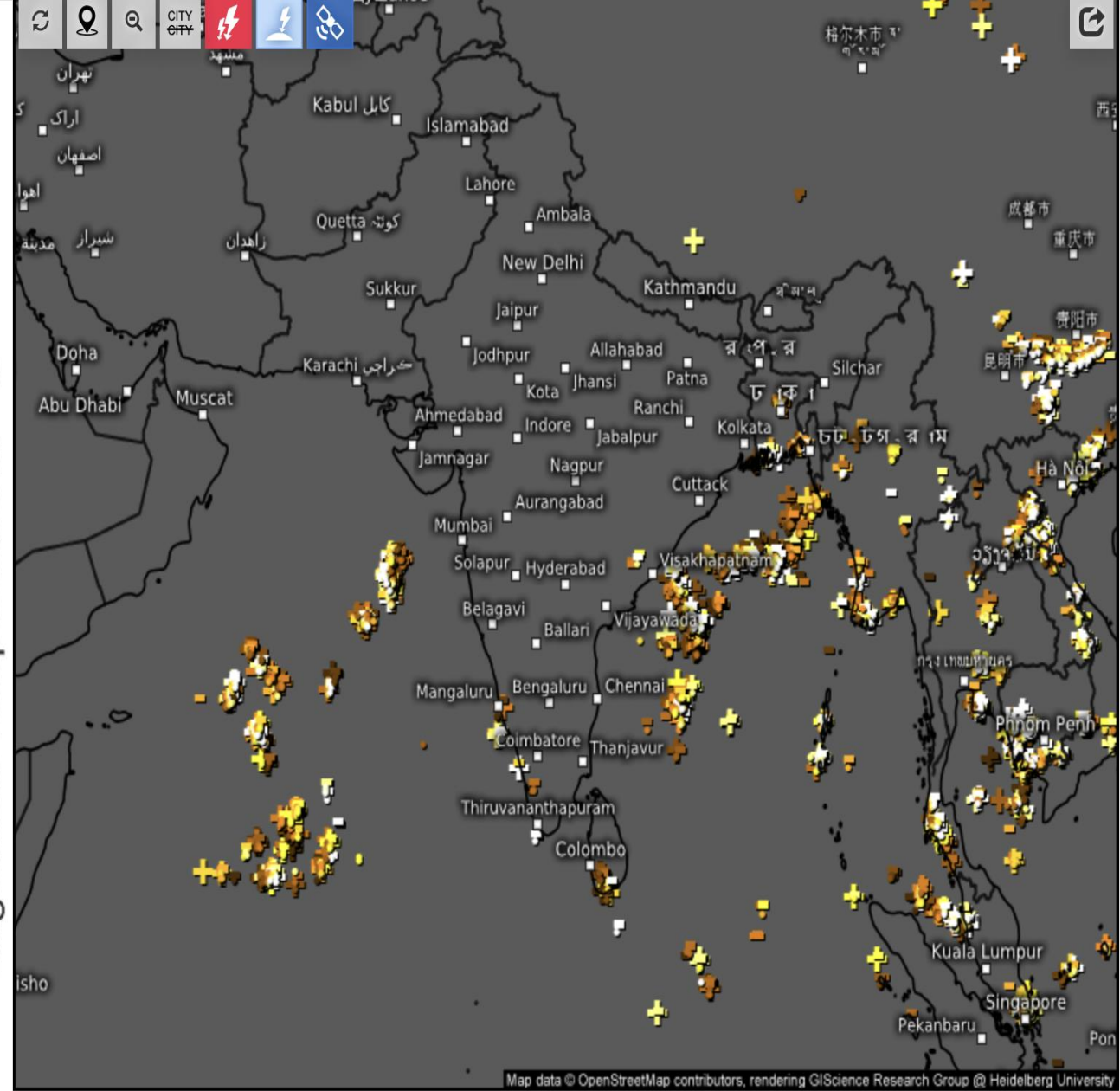
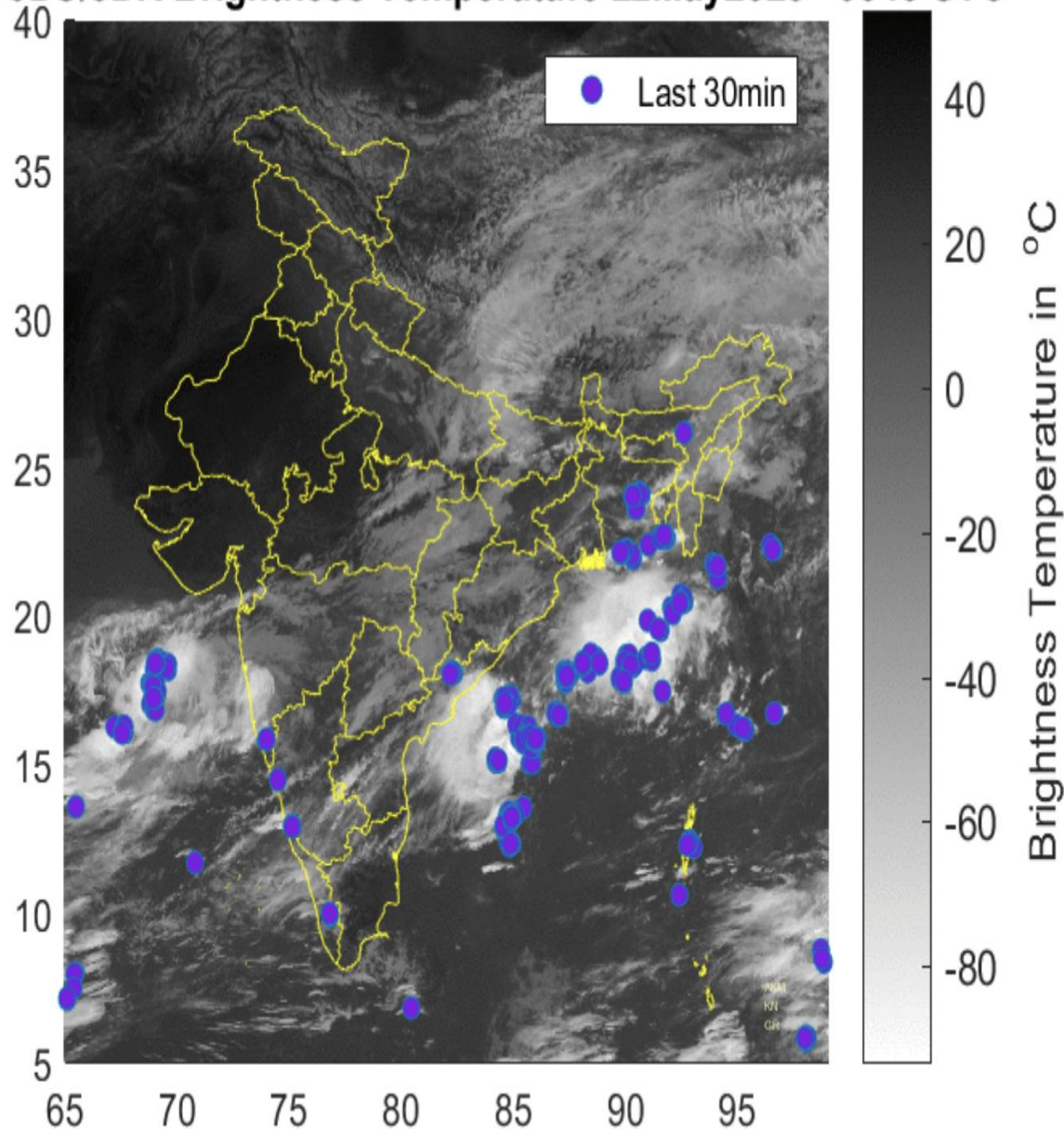




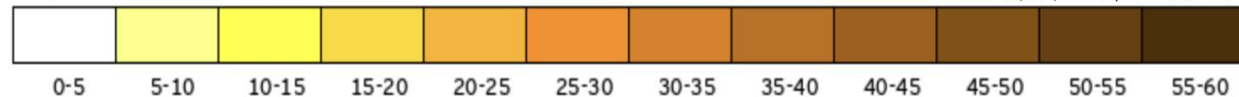
INDIA METEOROLOGICAL DEPARTMENT

Lightning : 22May2025 0610 UTC : Last 30min

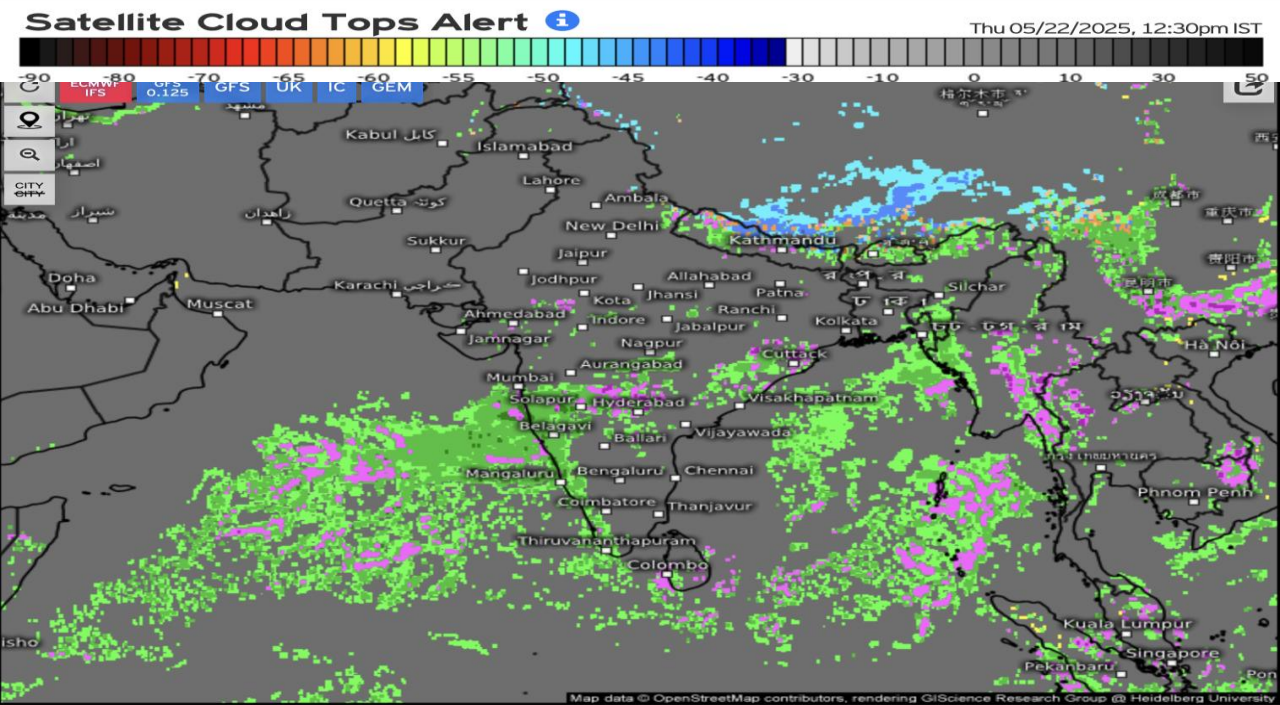
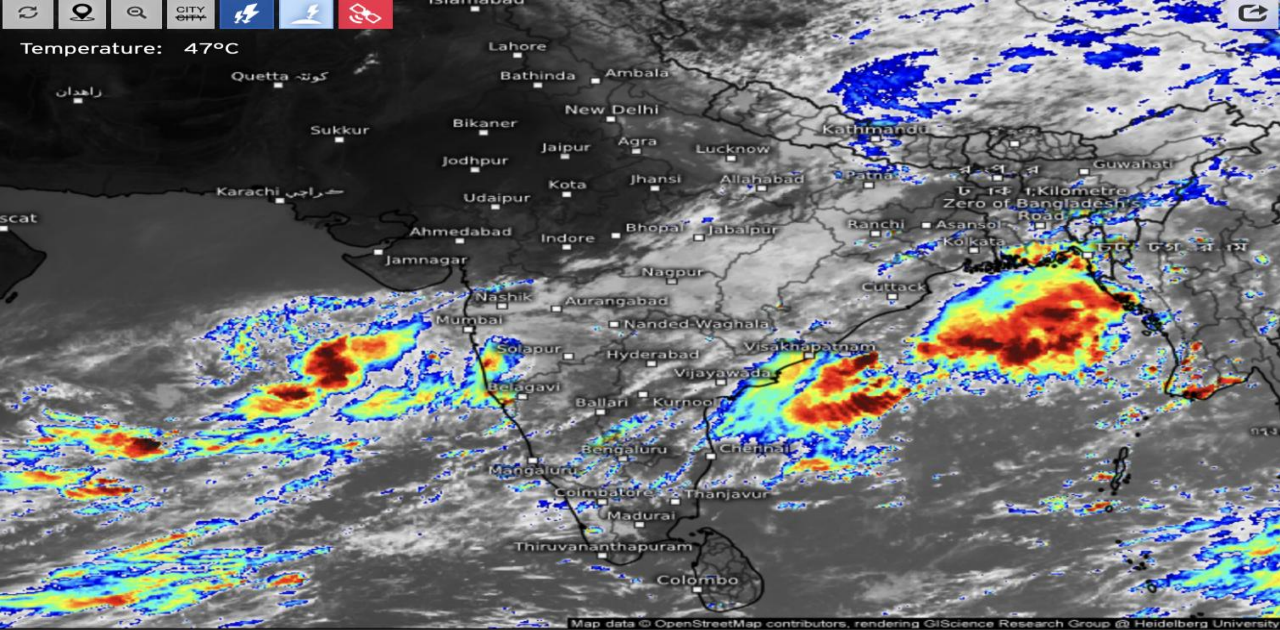
INSAT 3DS/3DR Brightness Temperature 22May2025 0545 UTC



Age of lightning (minutes)



Thu 05/22/2025, 11:50am IST



Forecasts

☐ FIRE DANGER FORECAST ⓘ

Source: ECMWF (8 km res.)

Index: Fire Weather Index (FWI)

☐ LIGHTNING FORECAST ⓘ

Date: 22 May 2025

Rapid Damage Assessment

Select a date-range

Last 1 Day Last 7 Days Last 30 Days

Fire Season

From: 21 May 2025 To: 22 May 2025

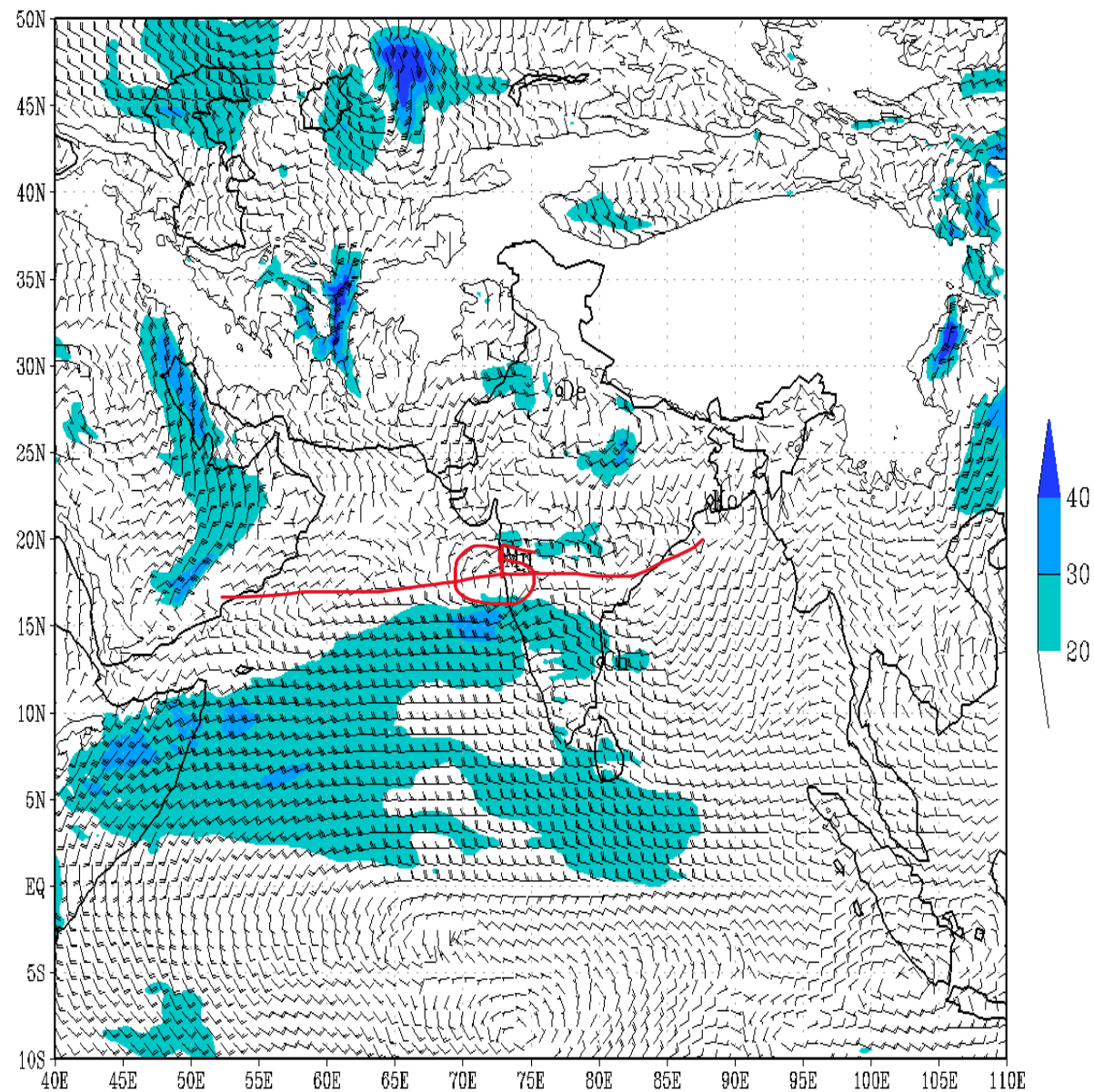
☐ ACTIVE FIRES ⓘ

☐ MODIS ☒ VIIRS (all)



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

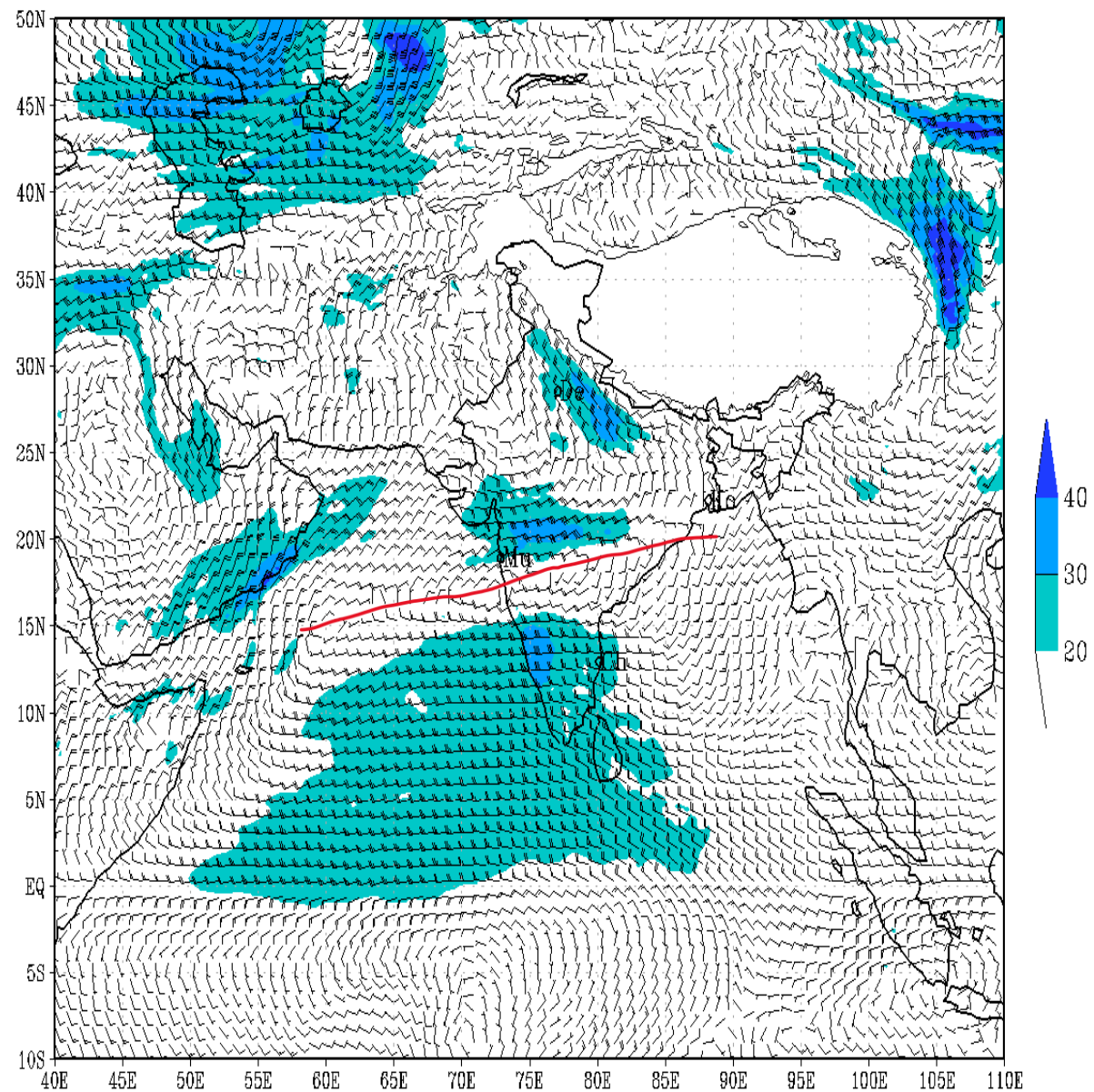
based on 00 UTC of 22-05-2025 valid for 00 UTC of 22-05-2025



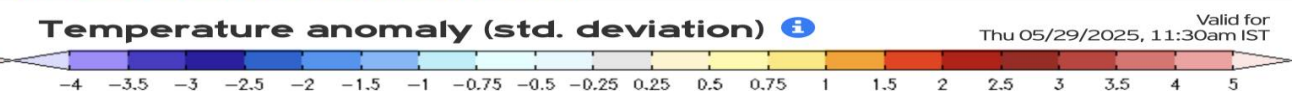
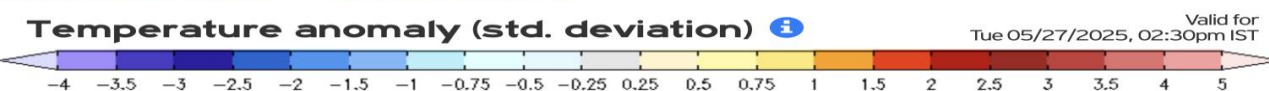
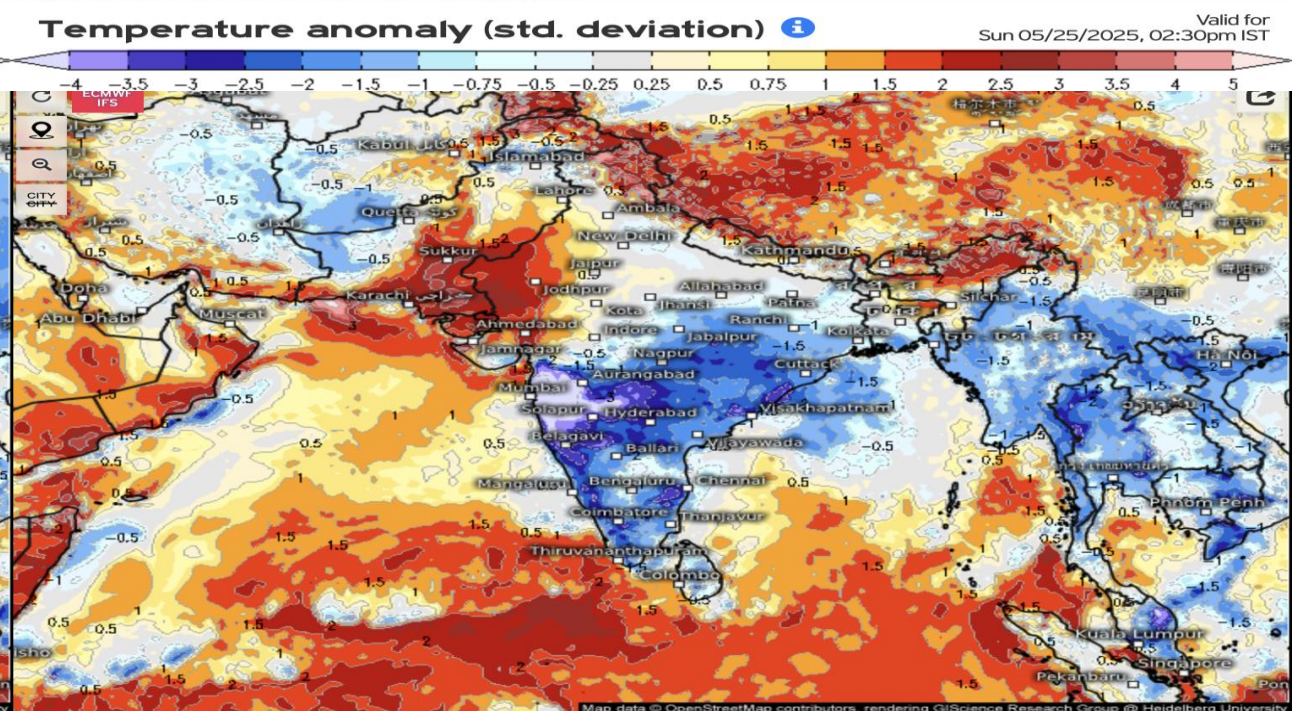
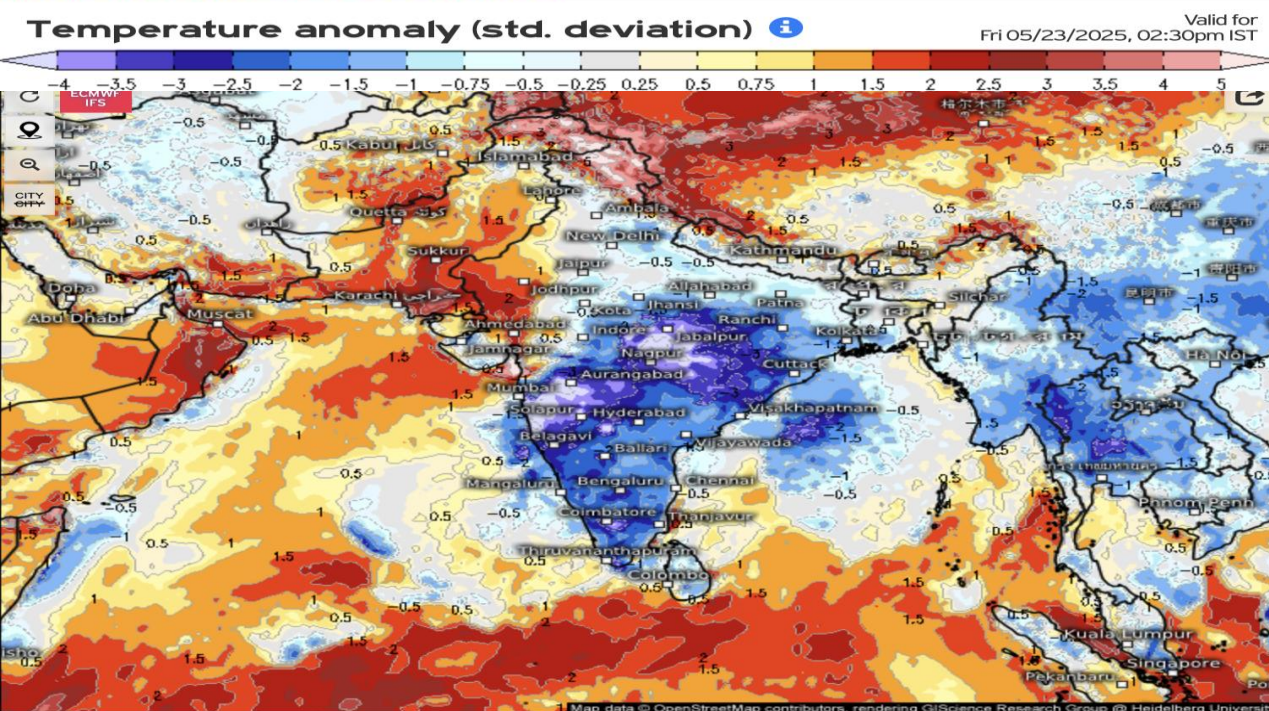
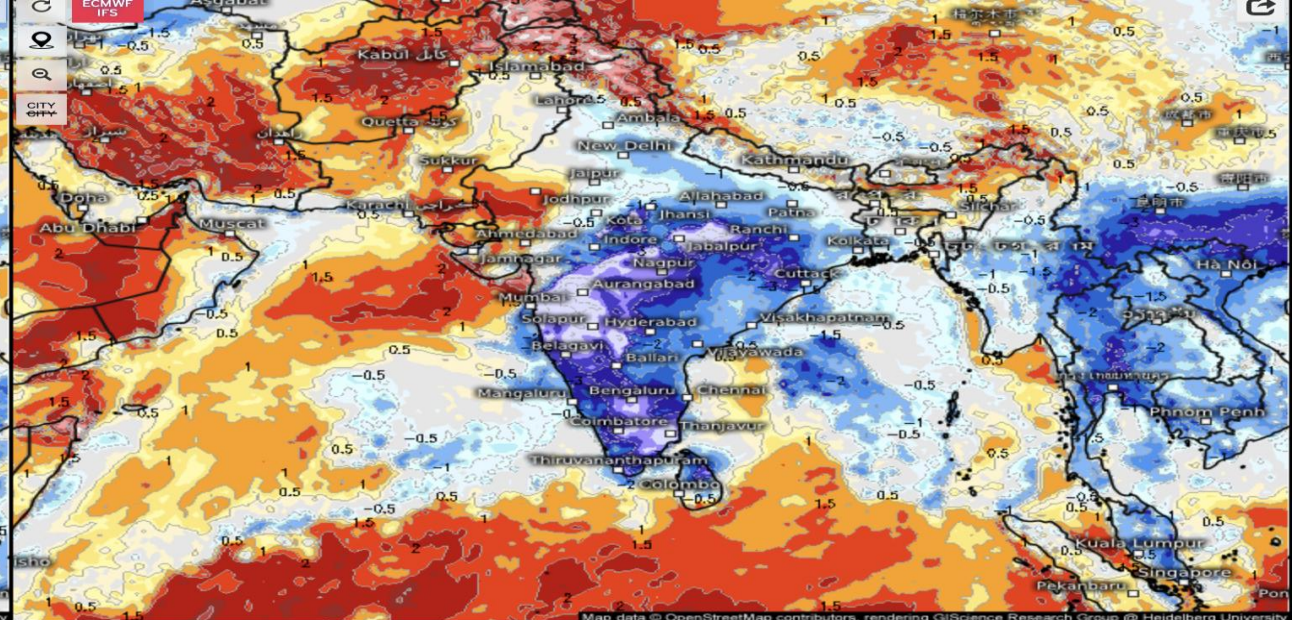
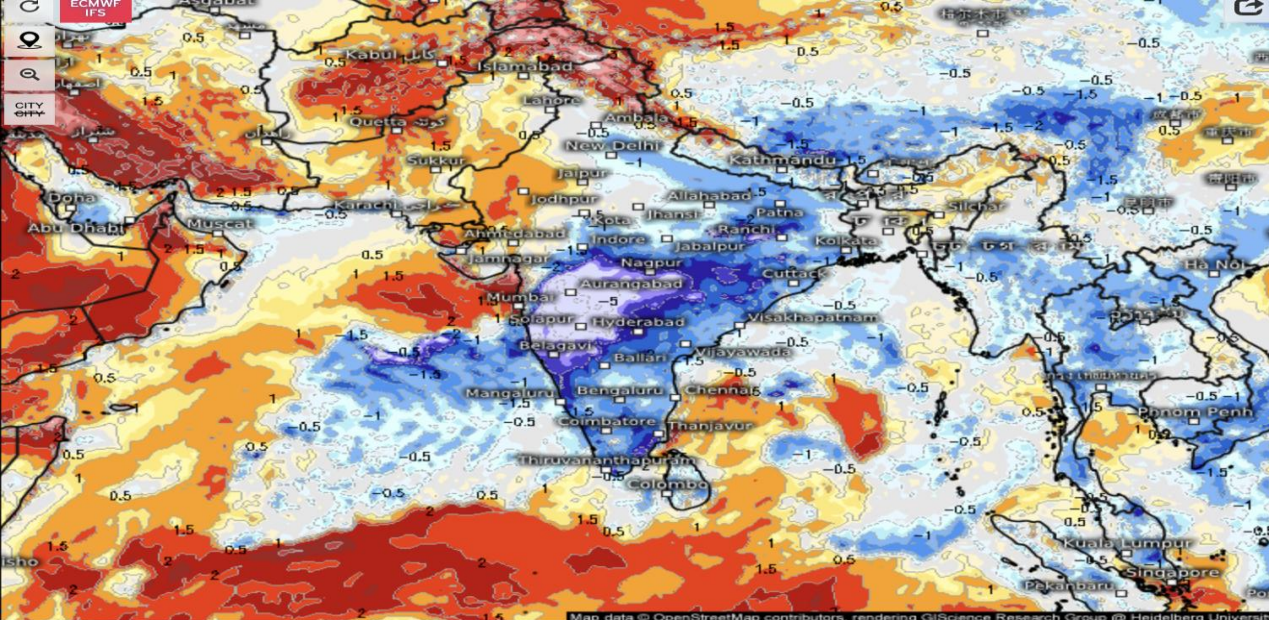
(Background does not depict political boundary)

IMD:GFS MODEL(12 Km) 700 hPa WIND (kt) FORECAST (00 HR)

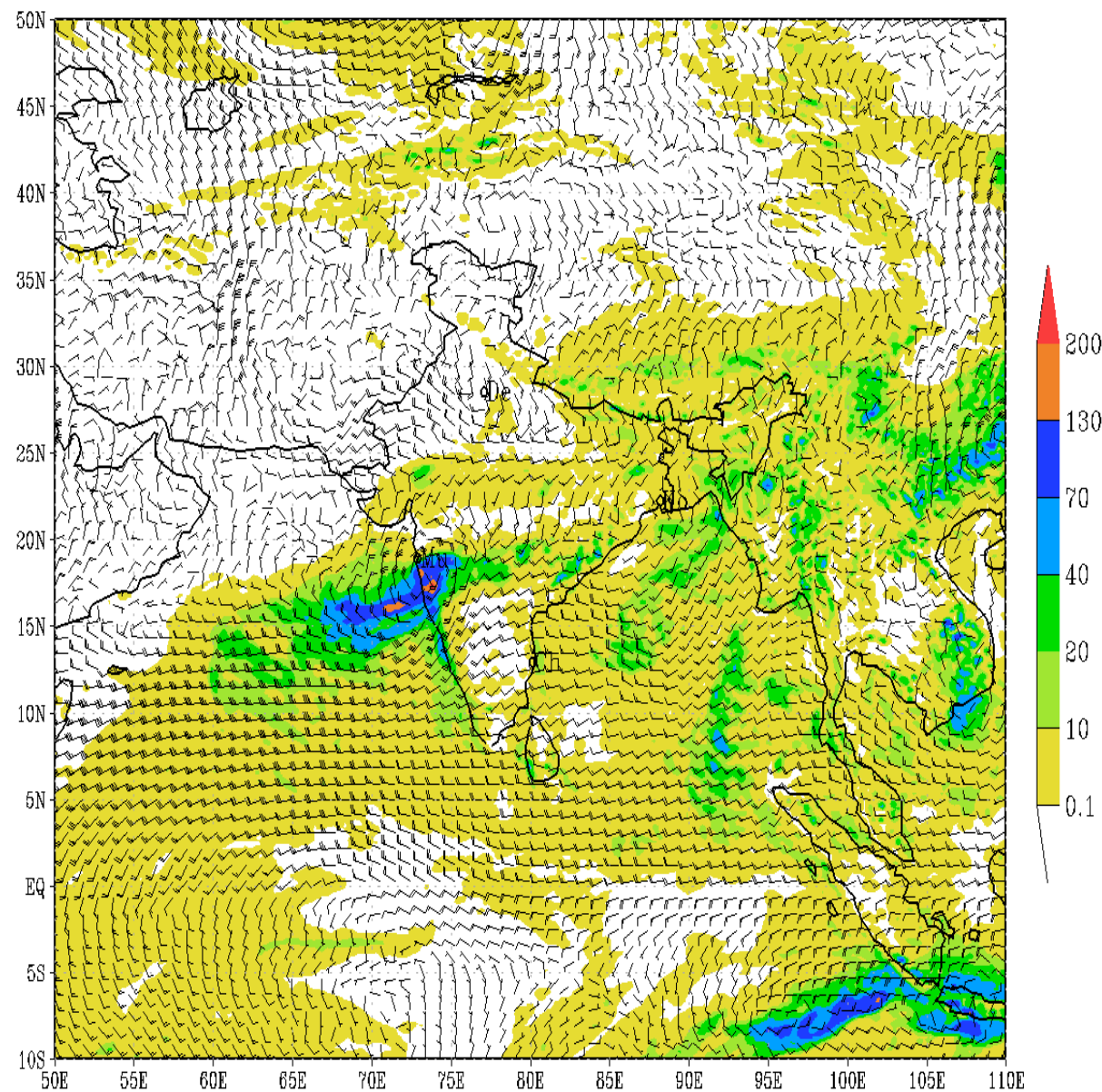
based on 00 UTC of 22-05-2025 valid for 00 UTC of 22-05-2025



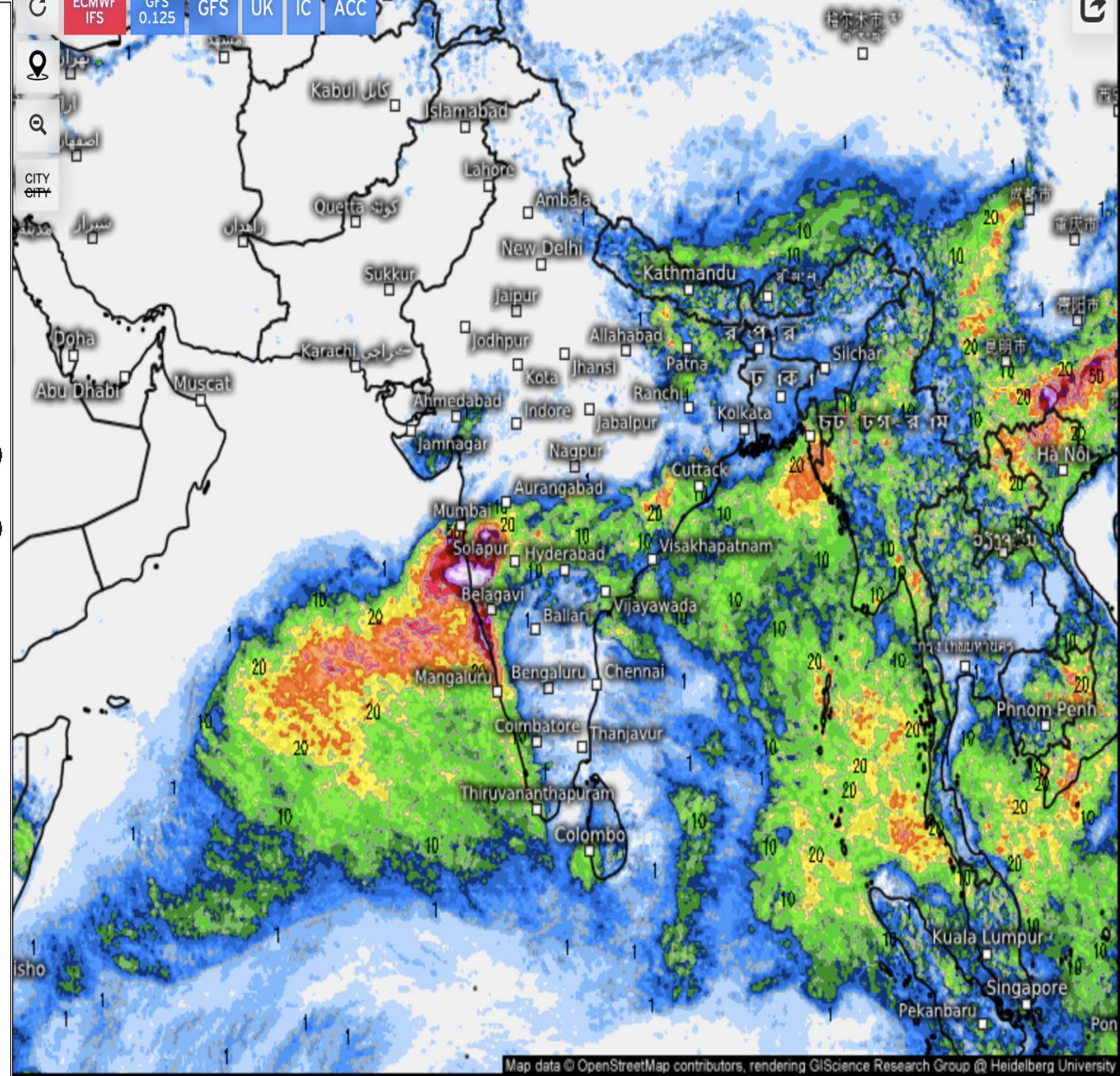
(Background does not depict political boundary)



IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (24 HR)
based on 00 UTC of 22-05-2025 valid for 03 UTC of 23-05-2025

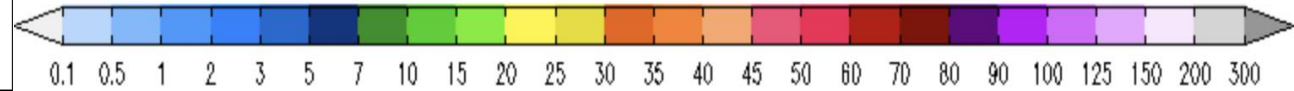


(Background does not depict political boundary)

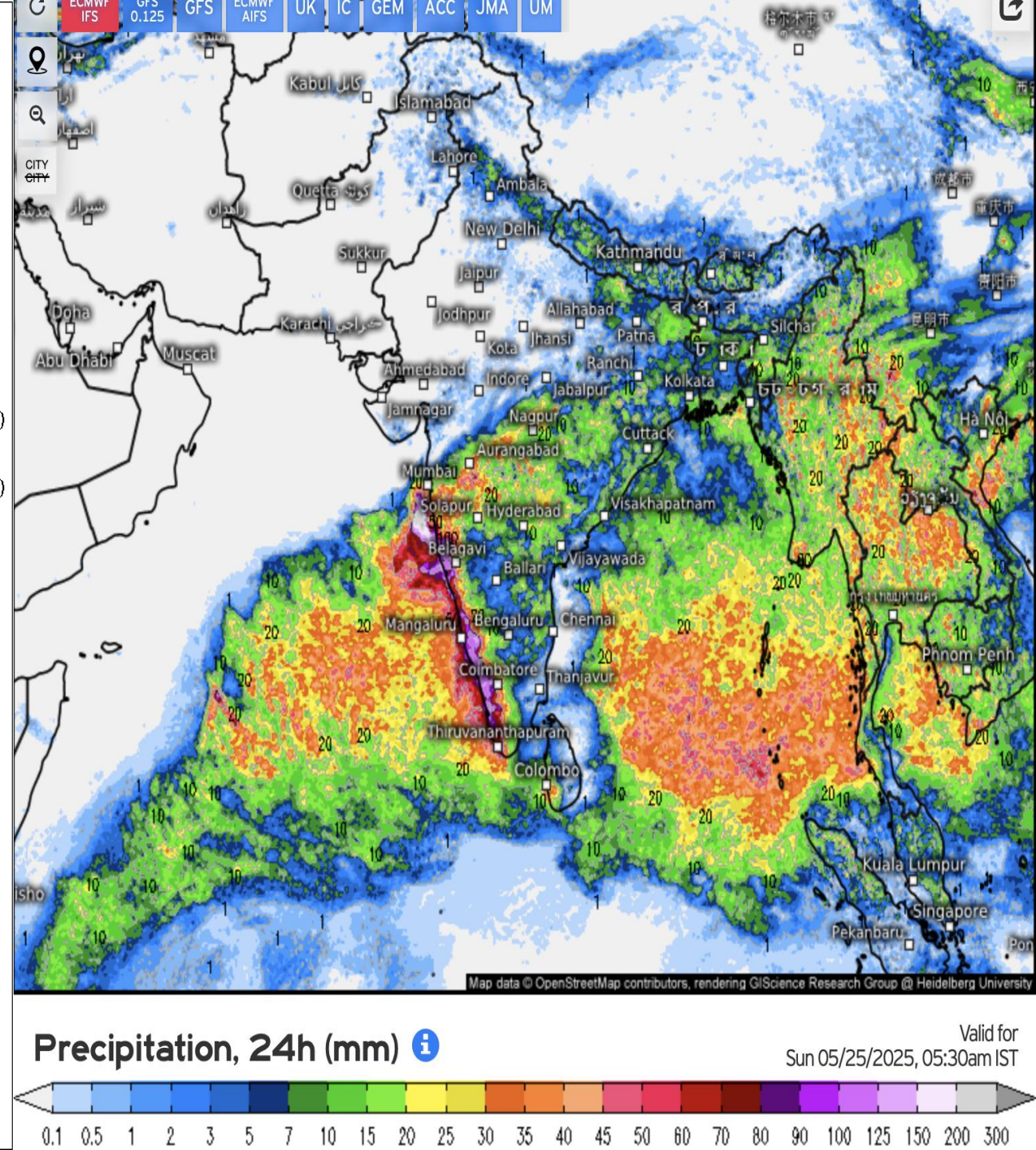
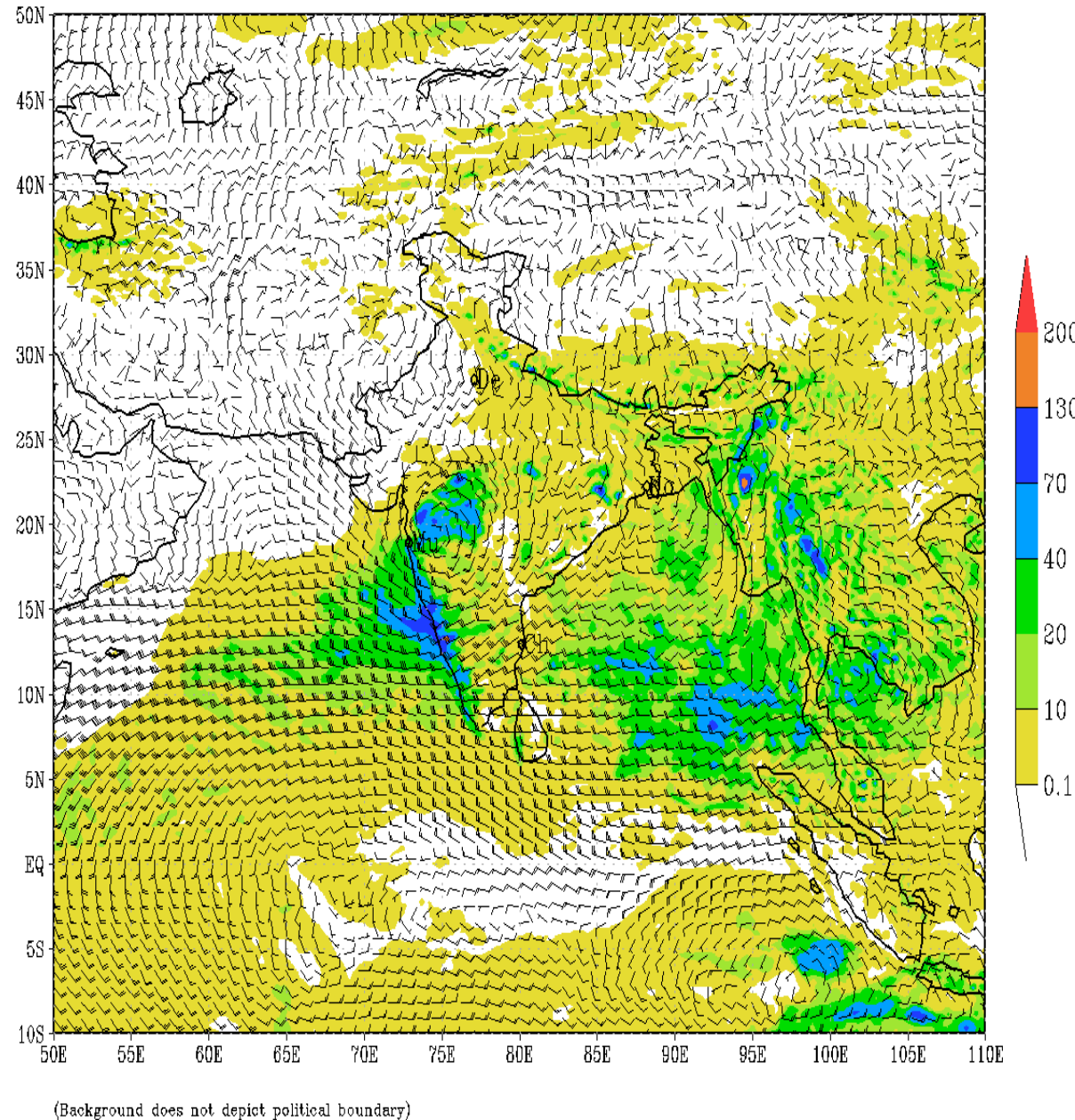


Precipitation, 24h (mm)

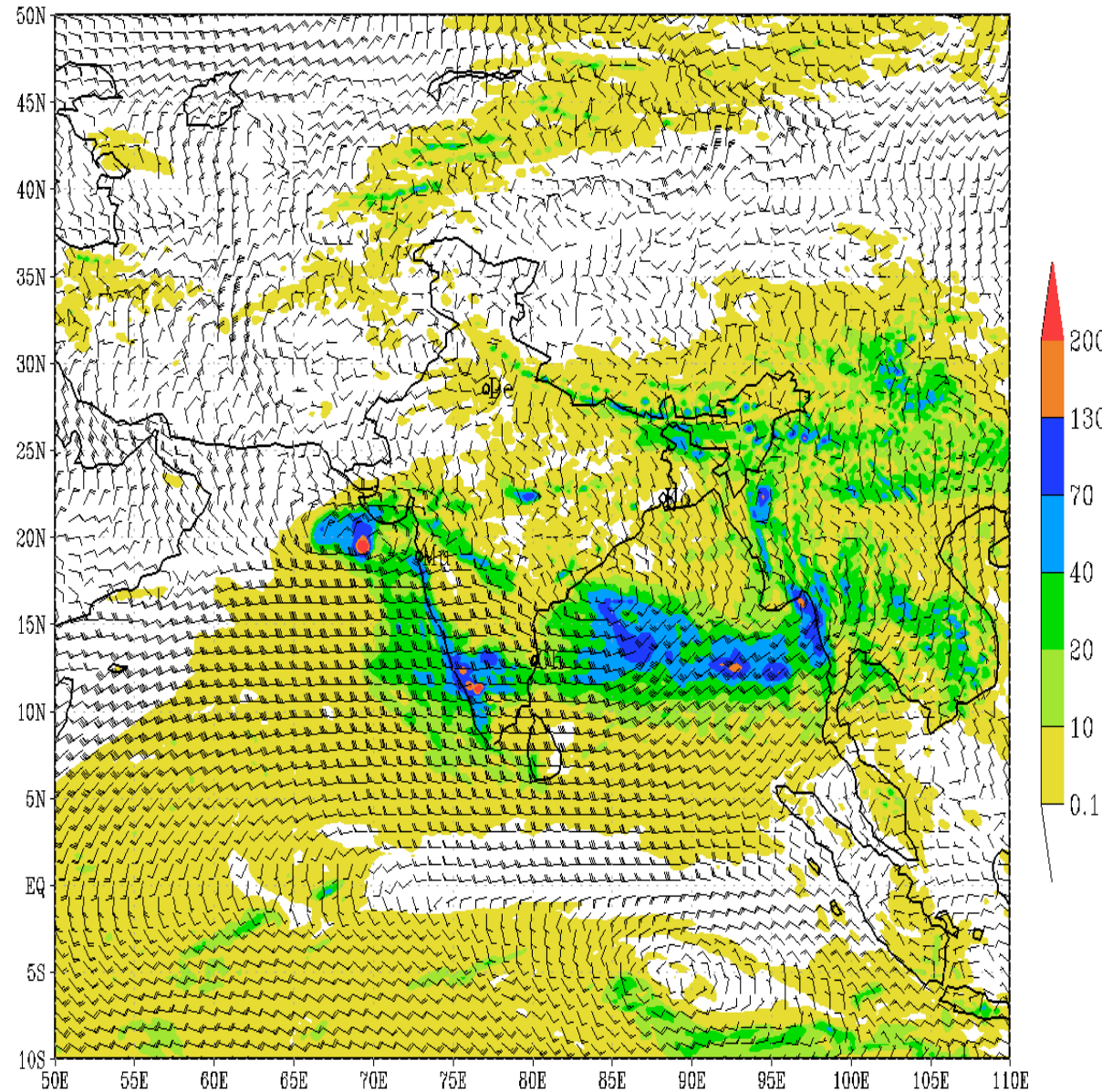
Valid for
Fri 05/23/2025, 12:30pm IST



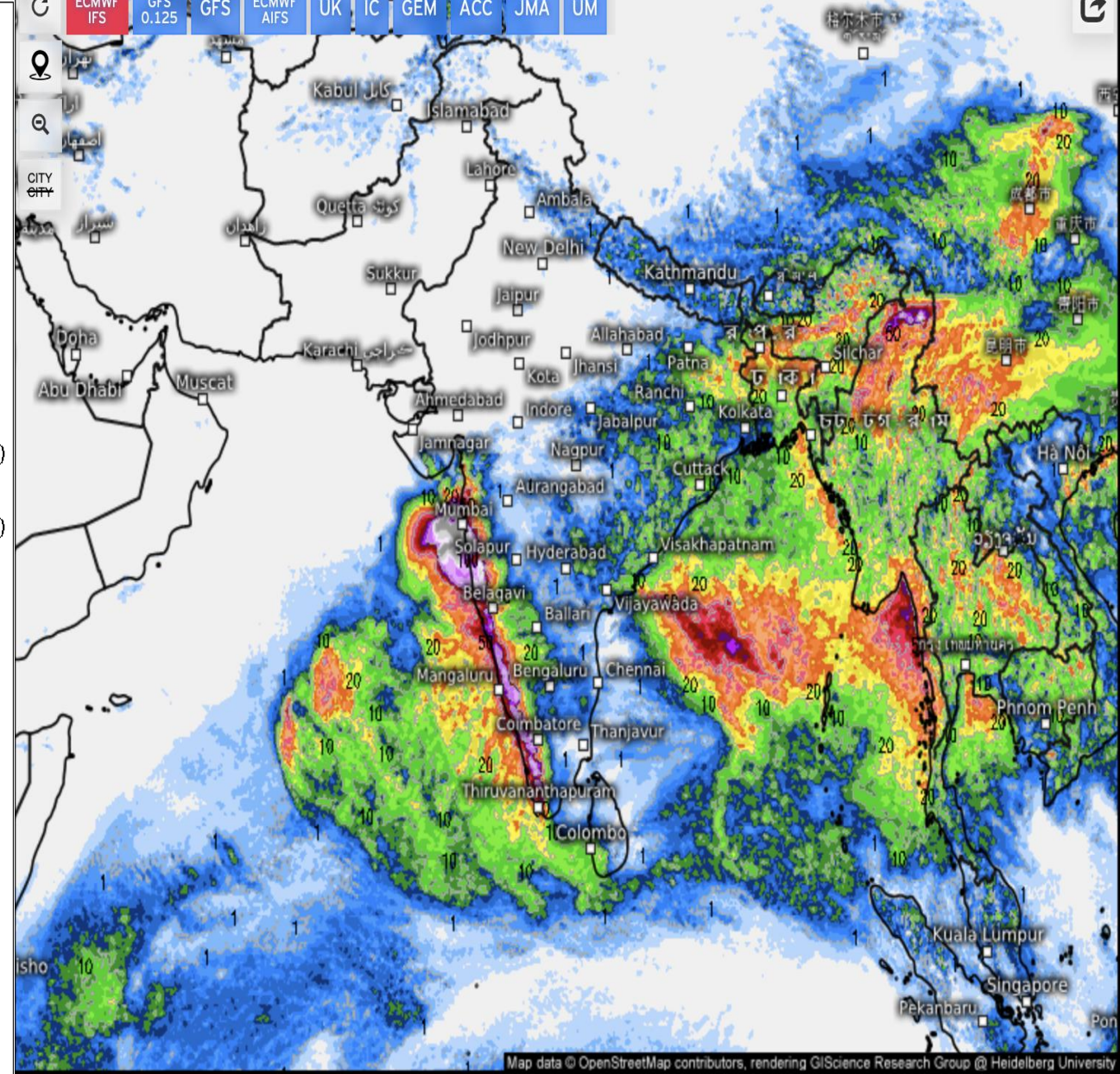
IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (72 HR)
based on 00 UTC of 22-05-2025 valid for 03 UTC of 25-05-2025



IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (120 HR)
based on 00 UTC of 22-05-2025 valid for 03 UTC of 27-05-2025

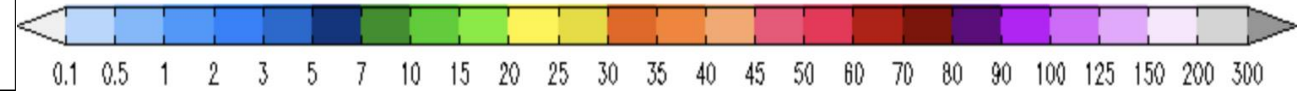


(Background does not depict political boundary)

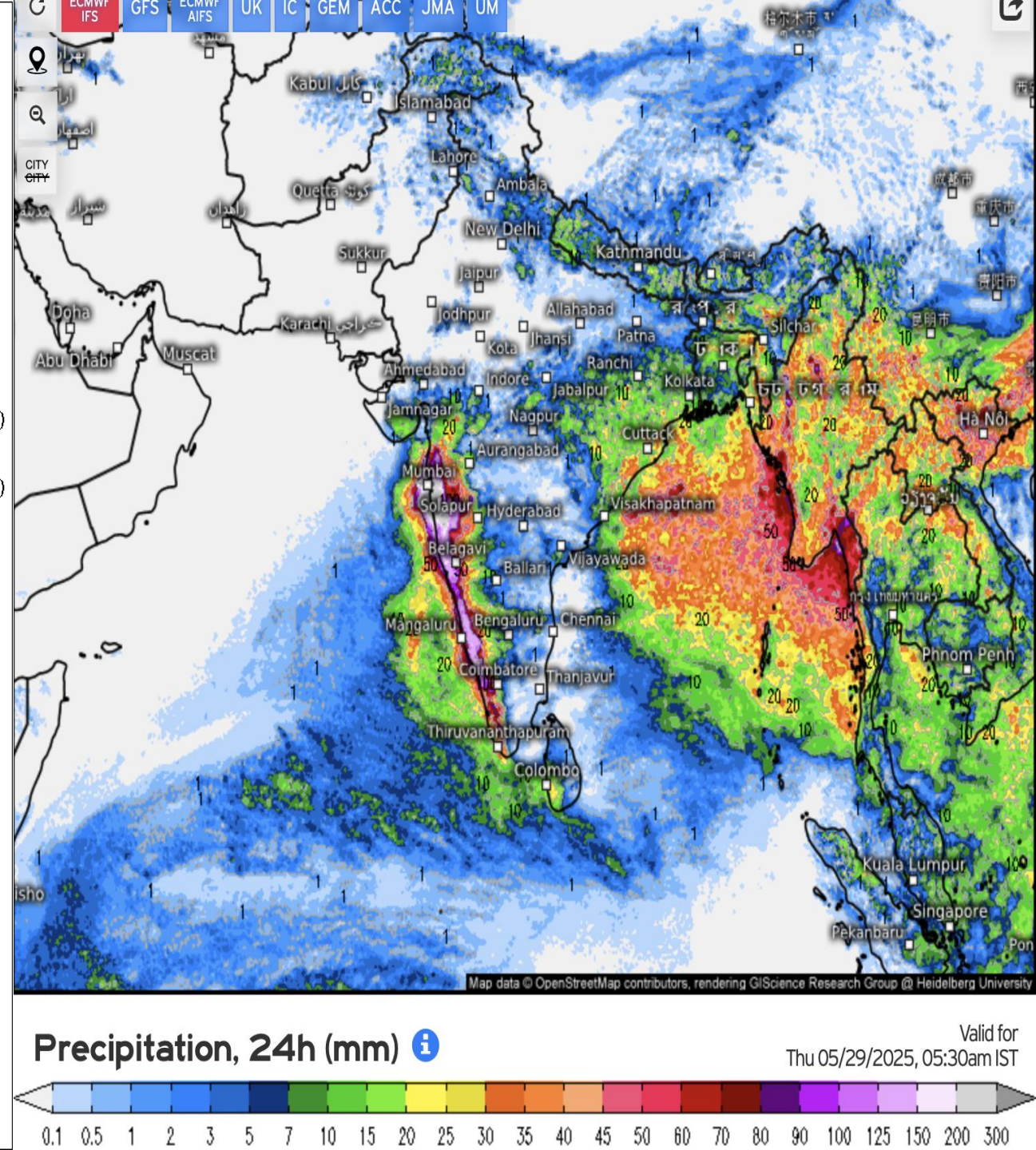
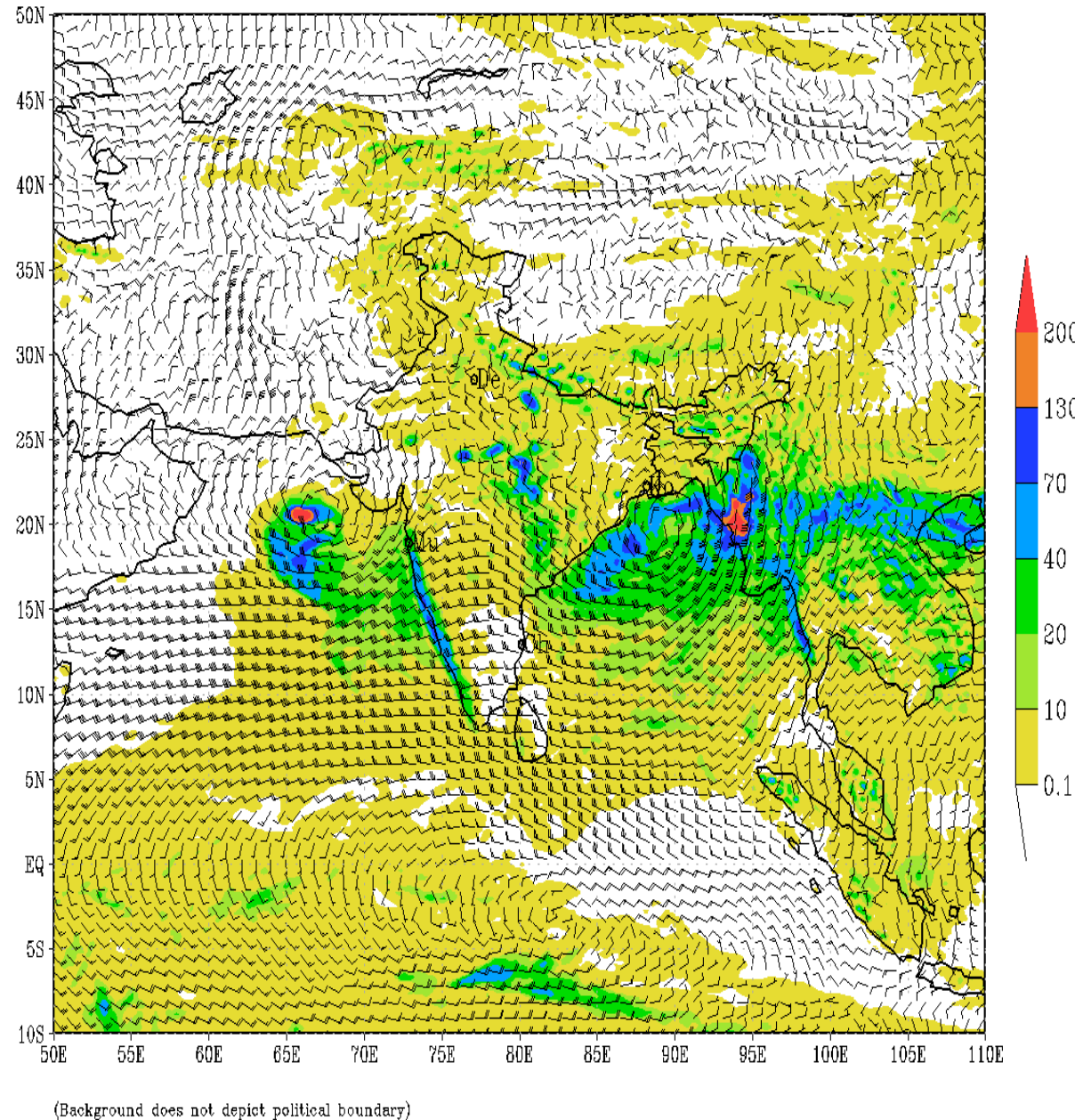


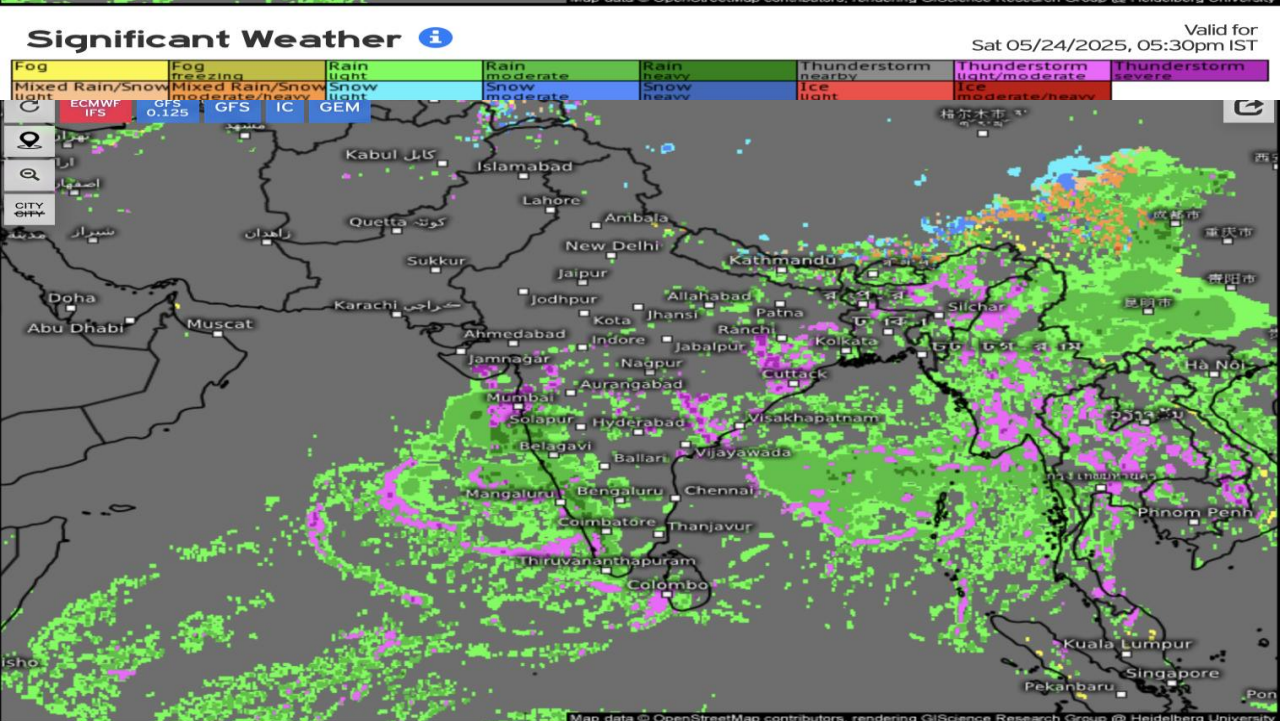
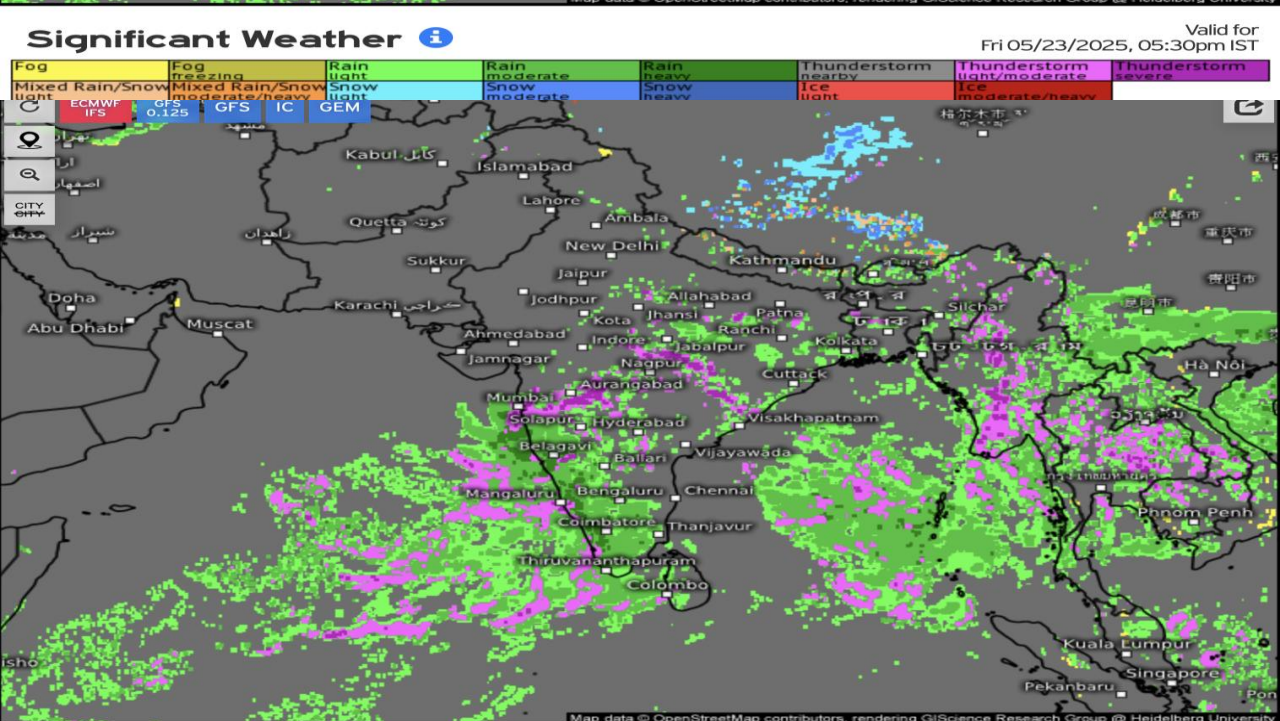
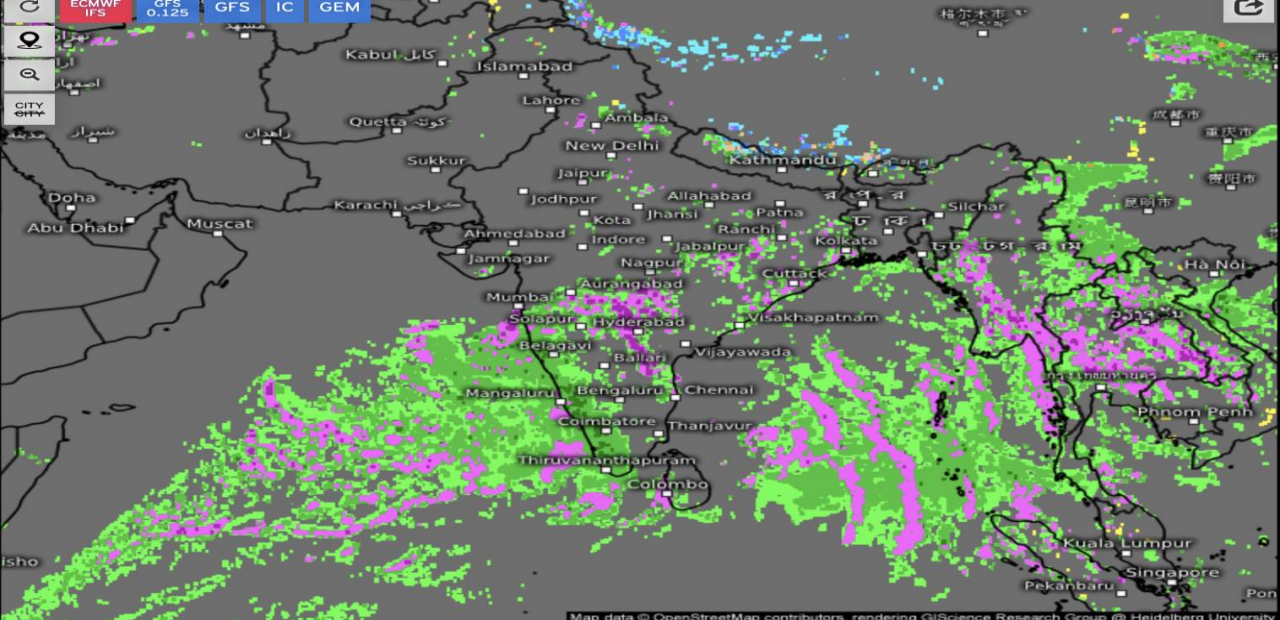
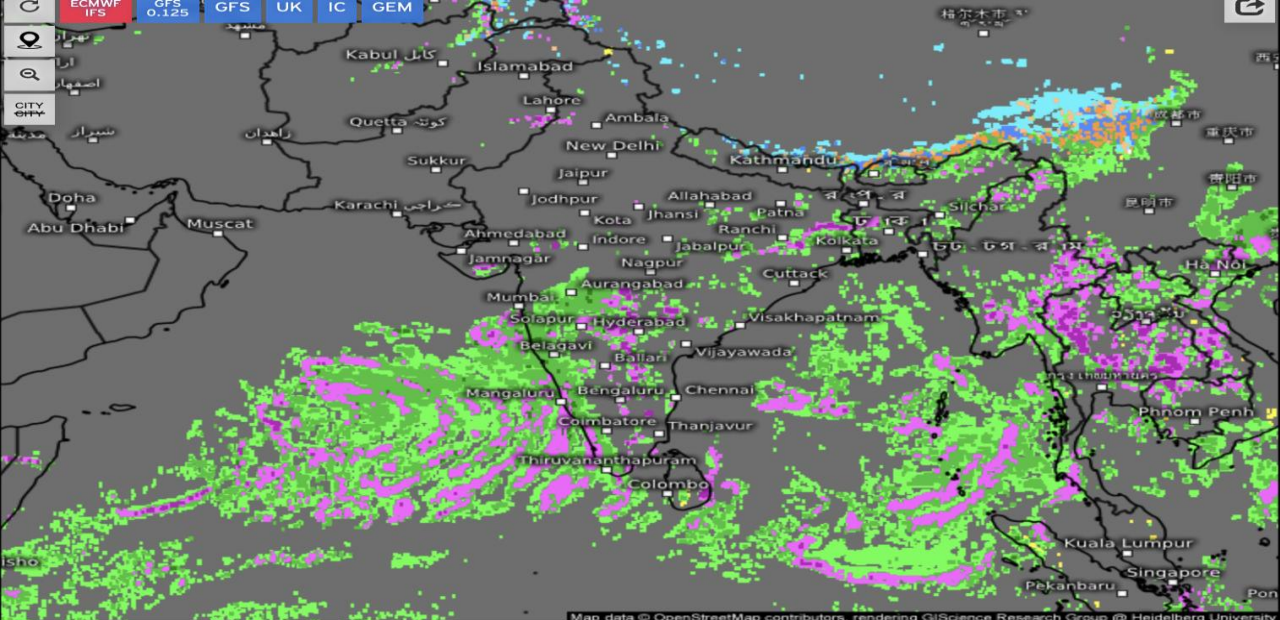
Precipitation, 24h (mm) [i](#)

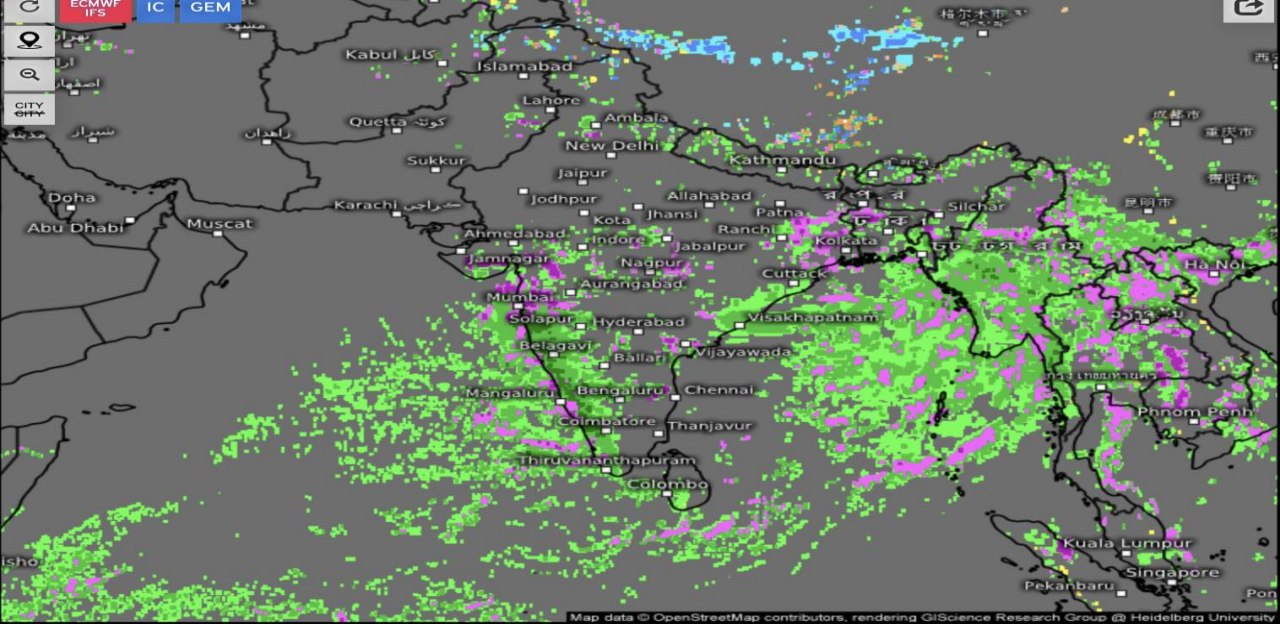
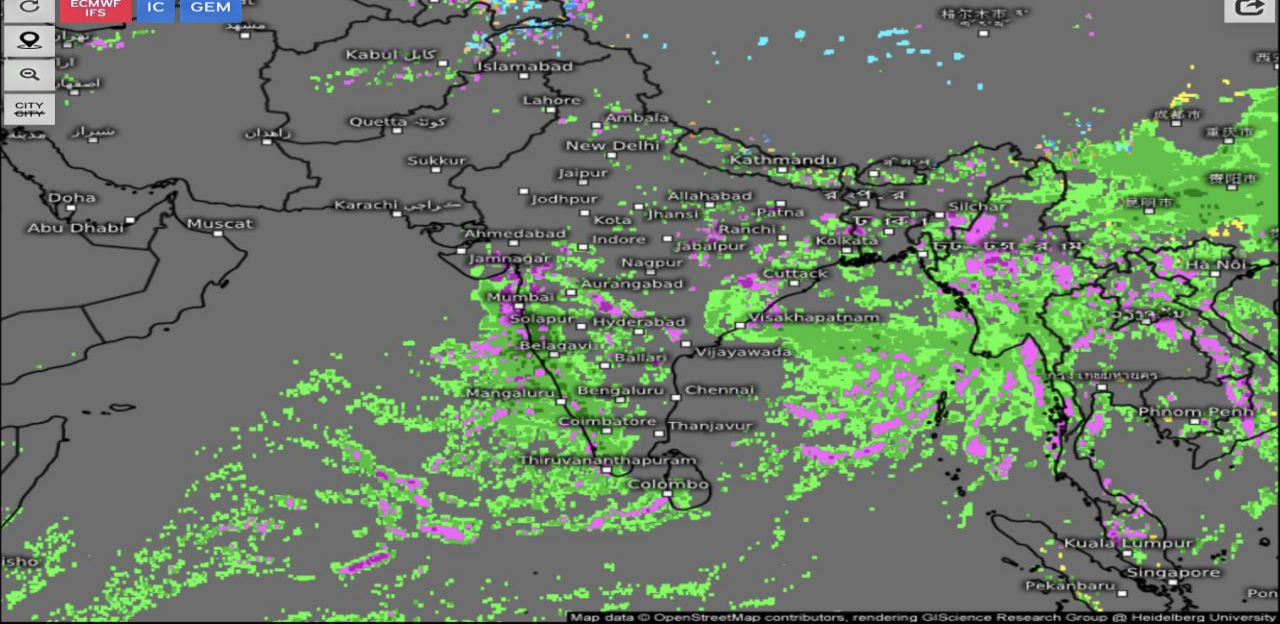
Valid for
Tue 05/27/2025, 05:30am IST



IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (168 HR)
based on 00 UTC of 22-05-2025 valid for 03 UTC of 29-05-2025

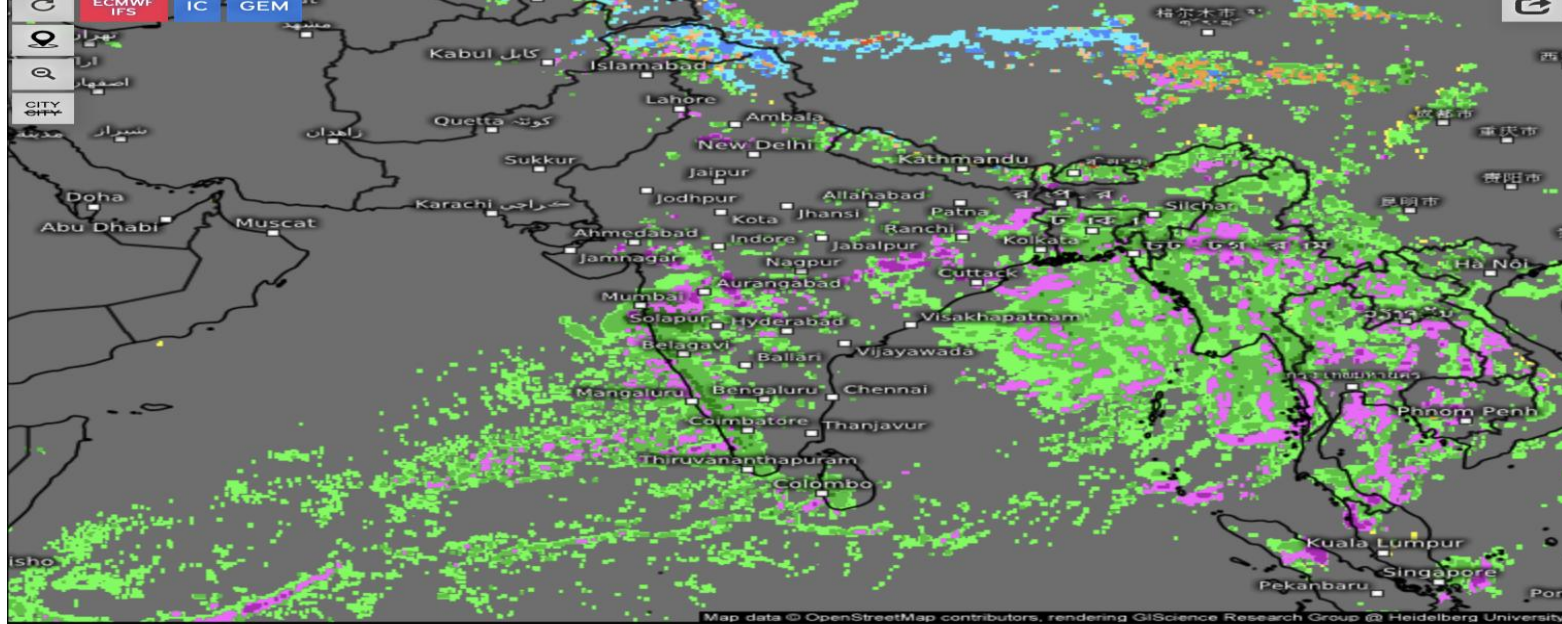






Significant Weather

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	Ice severe



Significant Weather

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	Ice severe

Significant Weather

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	Ice severe

Significant Weather

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	Ice severe

Forecasts

☐ FIRE DANGER FORECAST i

Source

ECMWF (8 km res.)

Index

Fire Weather Index (FWI)

☐ LIGHTNING FORECAST i

Date

23 May 2025

<

>

Rapid Damage Assessment

Select a date-range

Last 1 Day

Last 7 Days

Last 30 Days

Fire Season

From: 21 May 2025 To: 22 May 2025

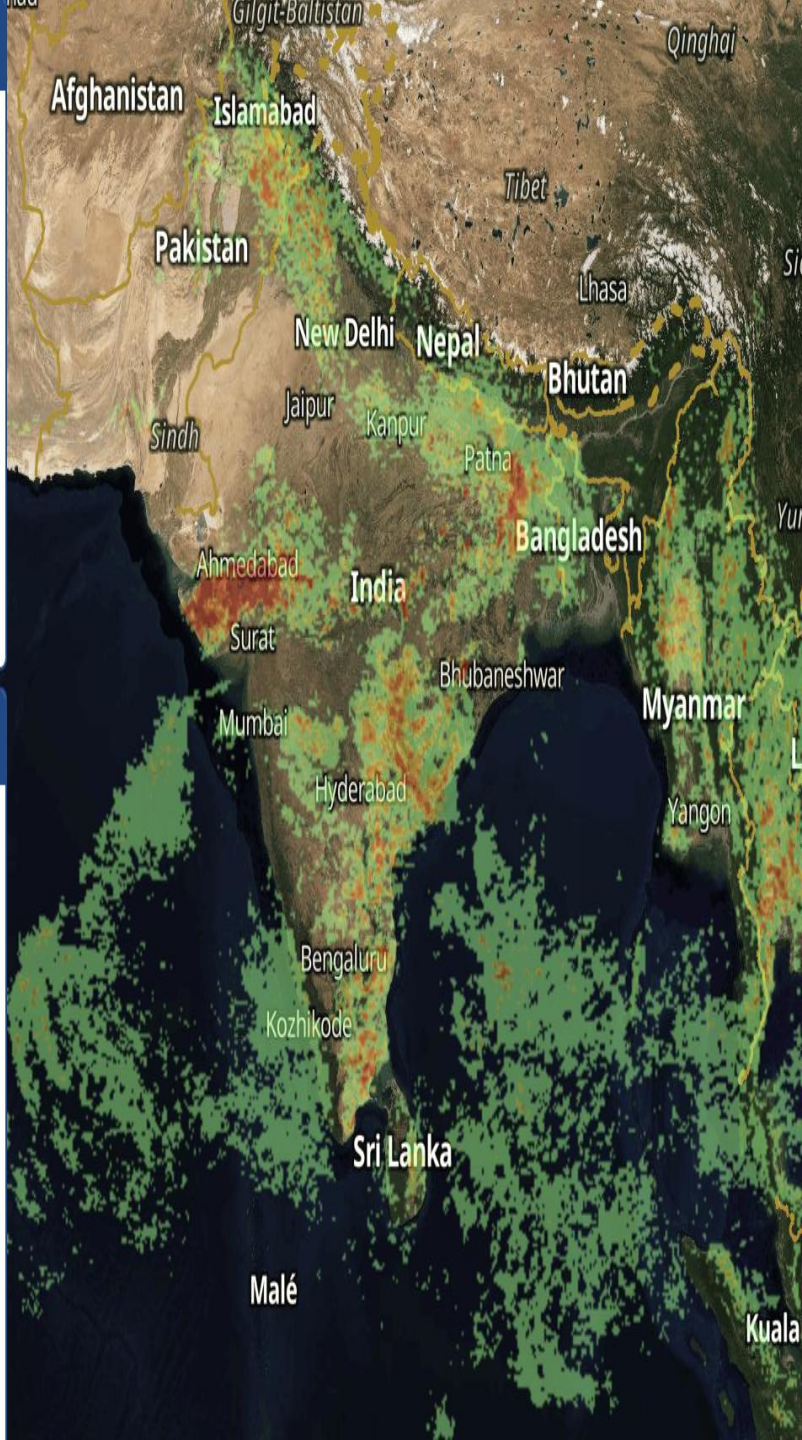
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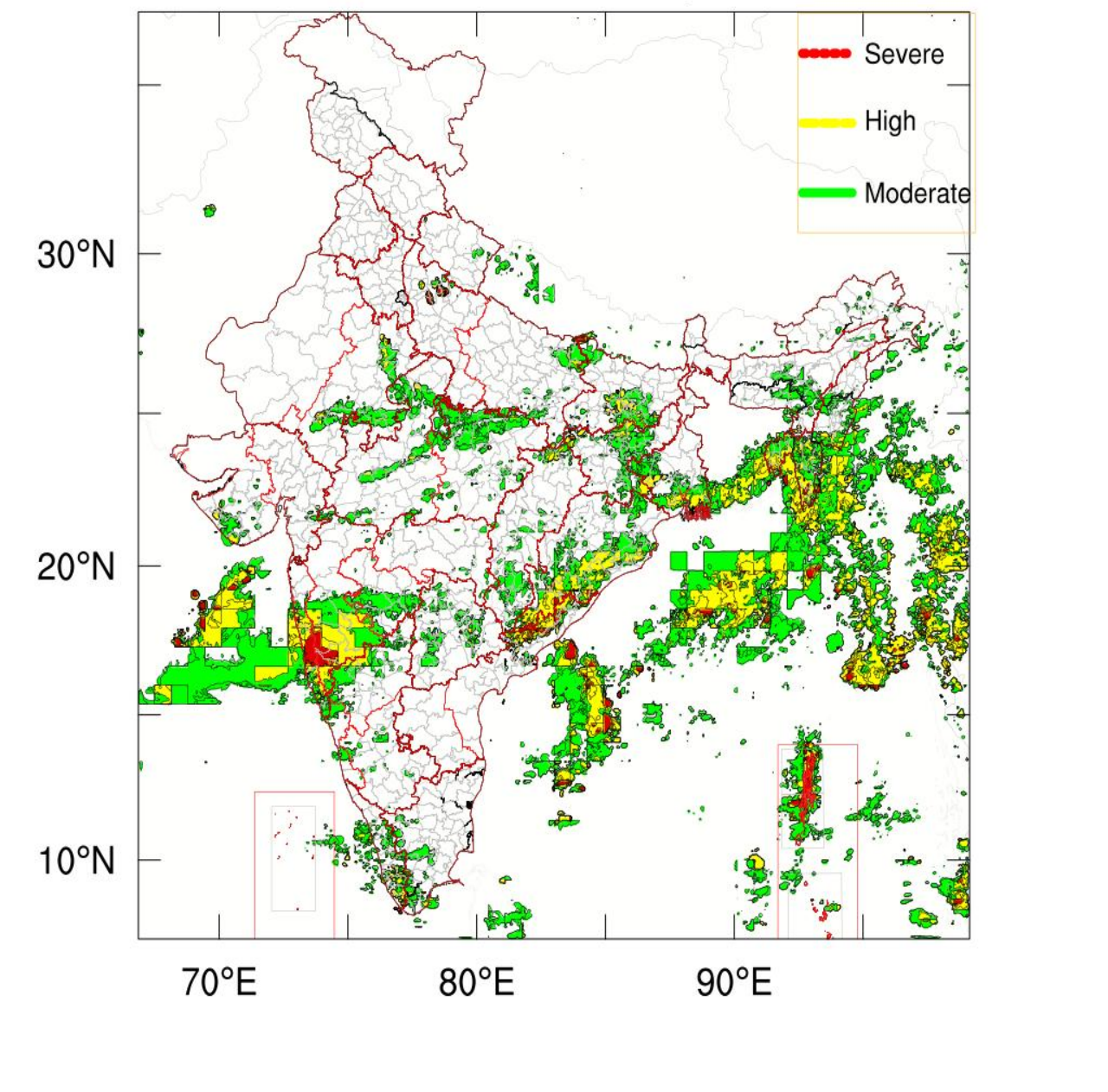
ACTIVE FIRES i

☐ MODIS ☐ VIIRS (all)

BURNED AREAS i



EWRf (3km): Accumulated Lightning Density forecast for 2025-05-22(24hr)
Based on IC 00 UTC of 2025-05-22 valid upto 00 UTC of 2025-05-23



Forecasts

☐ **FIRE DANGER FORECAST** i

Source:

Index:

☐ **LIGHTNING FORECAST** i

Date:

< >

Rapid Damage Assessment

Select a date-range

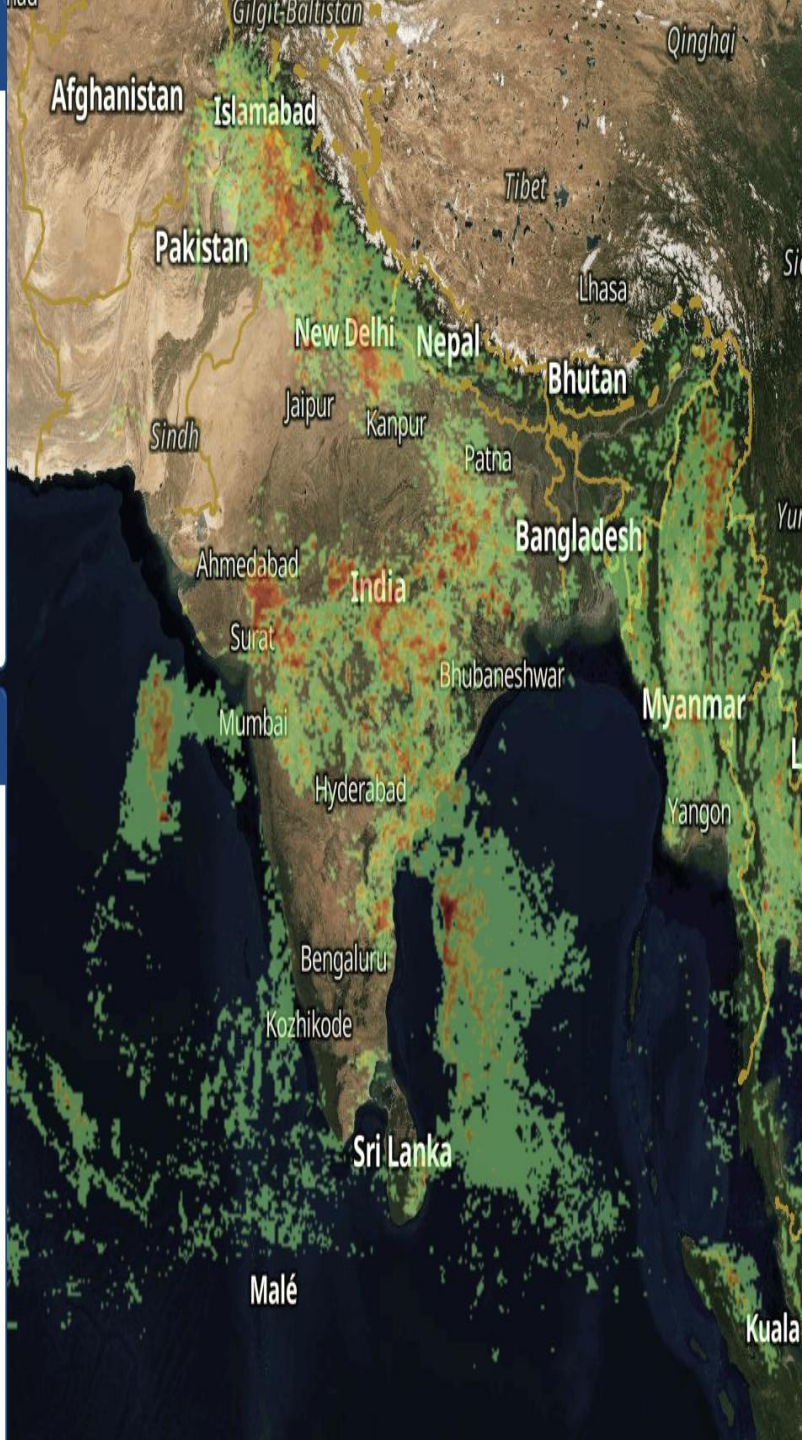
From: 21 May 2025 To: 22 May 2025

< >

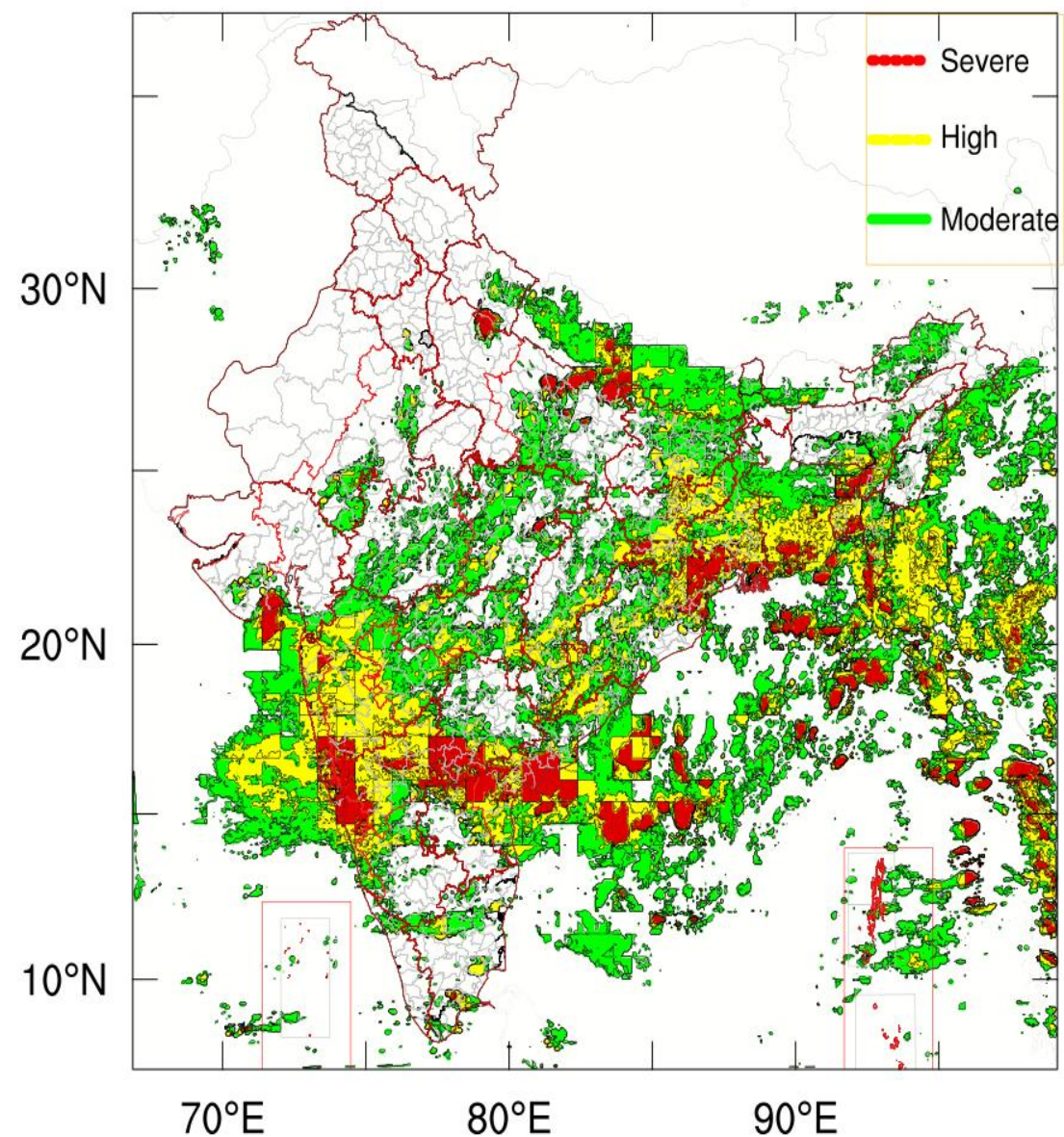
ACTIVE FIRES i

☐ MODIS ☒ VIIRS (all)

BURNED AREAS i



EWRf (3km): Accumulated Lightning Density Forecast for 2025-05-22(48hr)
Based on IC 00 UTC of 2025-05-21 valid upto 00 UTC of 2025-05-23



Forecasts

☐ **FIRE DANGER FORECAST** i

Source: ECMWF (8 km res.)

Index: Fire Weather Index (FWI)

☐ **LIGHTNING FORECAST** i

Date: 25 May 2025

Rapid Damage Assessment

Select a date-range

Last 1 Day Last 7 Days Last 30 Days

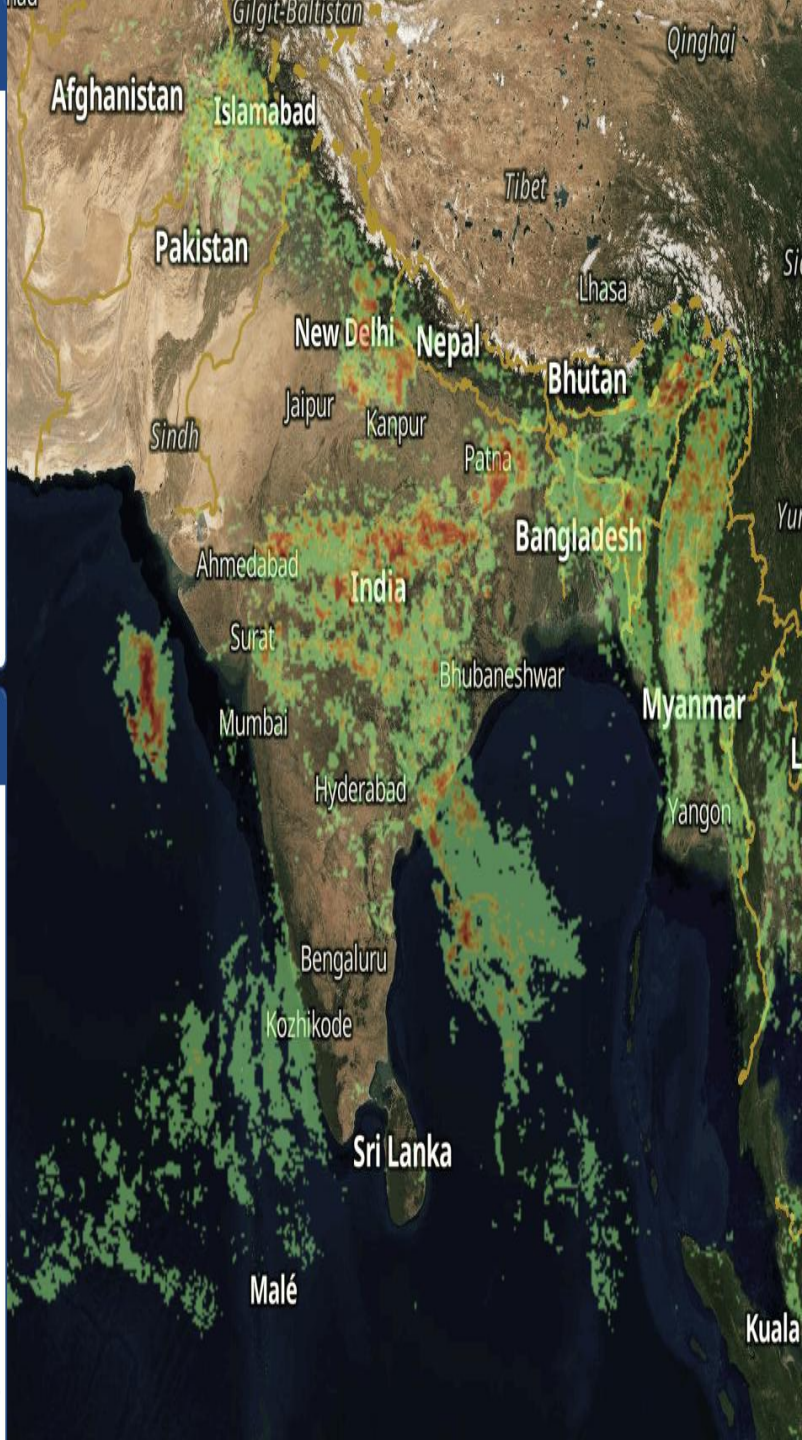
Fire Season

From: 21 May 2025 To: 22 May 2025

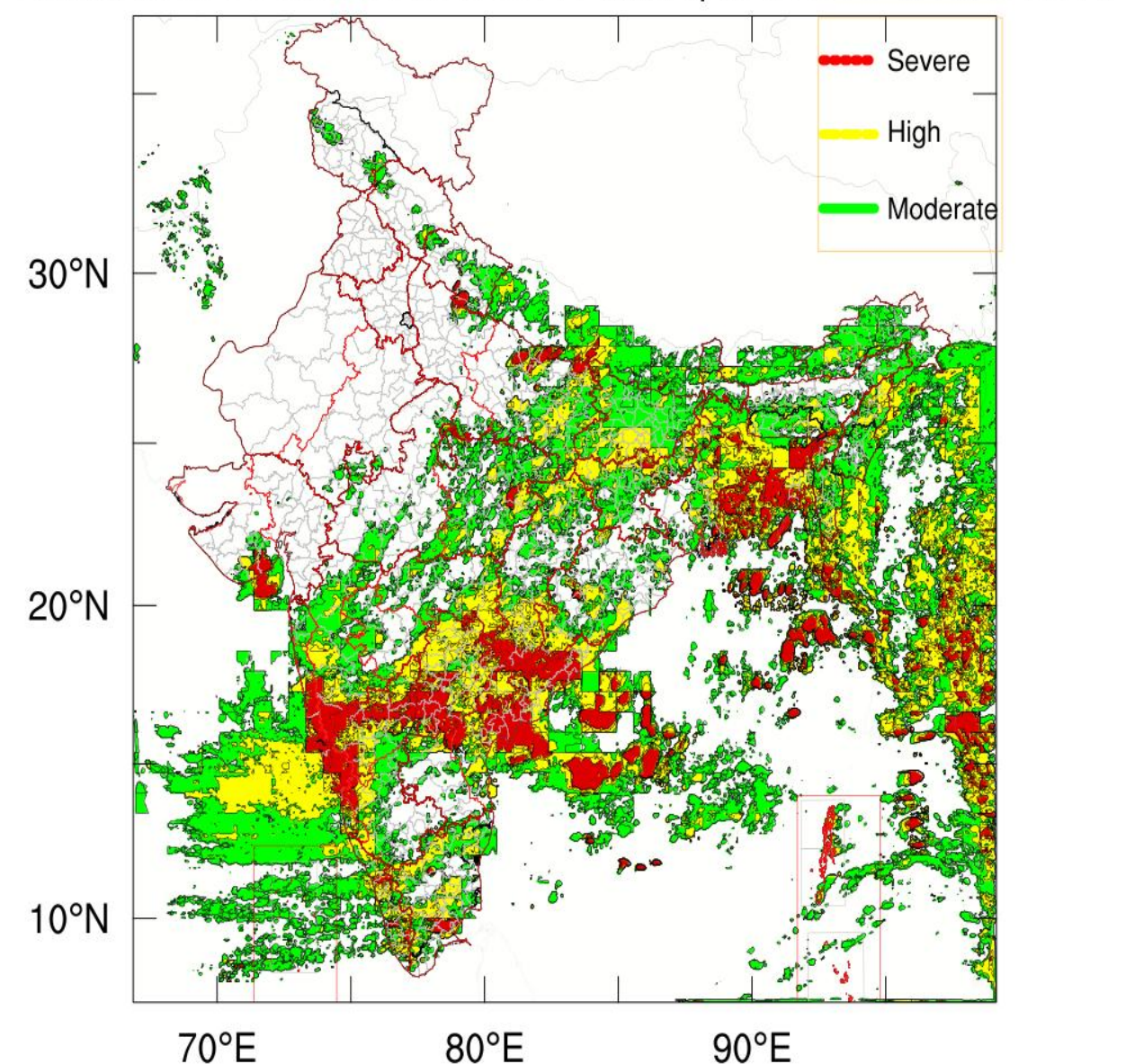
ACTIVE FIRES i

☐ MODIS ☒ VIIRS (all)

BURNED AREAS i



EWRf (3km): Accumulated Lightning Density Forecast for 2025-05-23(72 hr)
Based on IC 00 UTC of 2025-05-21 valid upto 00 UTC of 2025-05-24



Forecasts

☐ FIRE DANGER FORECAST ⓘ

Source

ECMWF (8 km res.)

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Fire Weather Index (FWI)

☐ LIGHTNING FORECAST ⓘ

Date

📅

26 May 2025

< >

Rapid Damage Assessment

Select a date-range

Last 1 Day

Last 7 Days

Last 30 Days

📅

Fire Season

From: 21 May 2025 To: 22 May 2025

< >

ACTIVE FIRES ⓘ

☐ MODIS ☐ VIIRS (all)

BURNED AREAS ⓘ



Forecasts

☐ FIRE DANGER FORECAST ⓘ

Source

ECMWF (8 km res.)

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Fire Weather Index (FWI)

☐ LIGHTNING FORECAST ⓘ

Date

📅

27 May 2025

< >

Rapid Damage Assessment

Select a date-range

Last 1 Day

Last 7 Days

Last 30 Days

📅

Fire Season

From: 21 May 2025 To: 22 May 2025

< >

ACTIVE FIRES ⓘ

☐ MODIS ☐ VIIRS (all)

BURNED AREAS ⓘ



Forecasts

☐ FIRE DANGER FORECAST ⓘ

Source

ECMWF (8 km res.)

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Fire Weather Index (FWI)

☐ LIGHTNING FORECAST ⓘ

Date

📅

28 May 2025

< >

Rapid Damage Assessment

Select a date-range

Last 1 Day

Last 7 Days

Last 30 Days

📅

Fire Season

From: 21 May 2025 To: 22 May 2025

< >

ACTIVE FIRES ⓘ

☐ MODIS ☐ VIIRS (all)

BURNED AREAS ⓘ



Forecasts

☐ FIRE DANGER FORECAST ⓘ

Source

ECMWF (8 km res.)

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Fire Weather Index (FWI)

☐ LIGHTNING FORECAST ⓘ

Date

📅

29 May 2025

< >

Rapid Damage Assessment

Select a date-range

Last 1 Day

Last 7 Days

Last 30 Days

📅

Fire Season

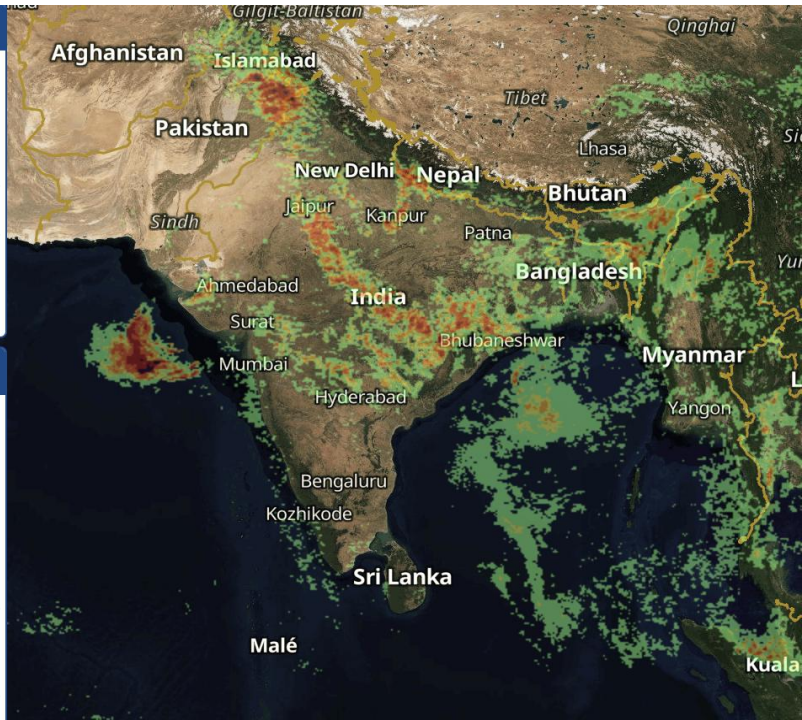
From: 21 May 2025 To: 22 May 2025

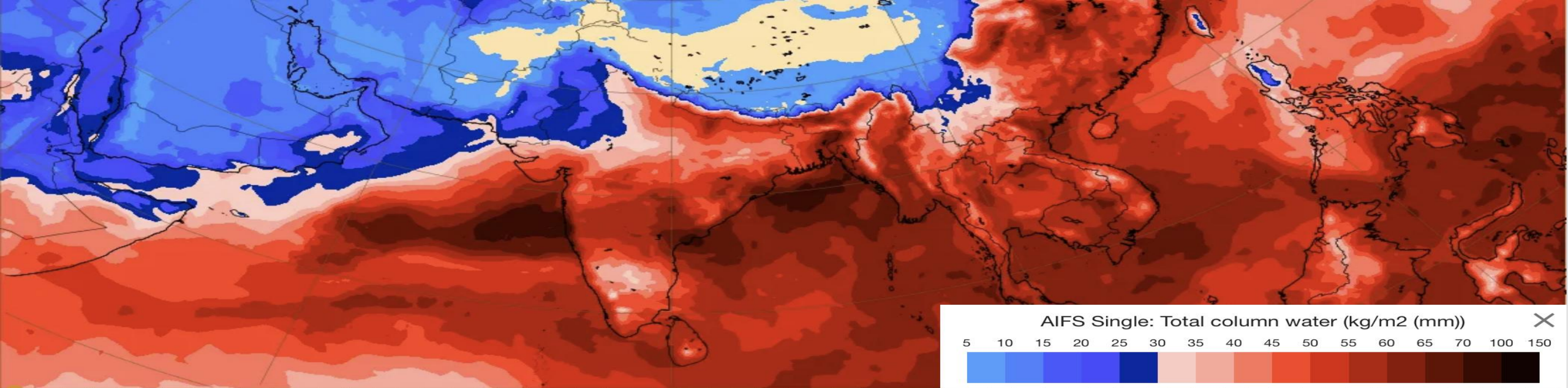
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ACTIVE FIRES ⓘ

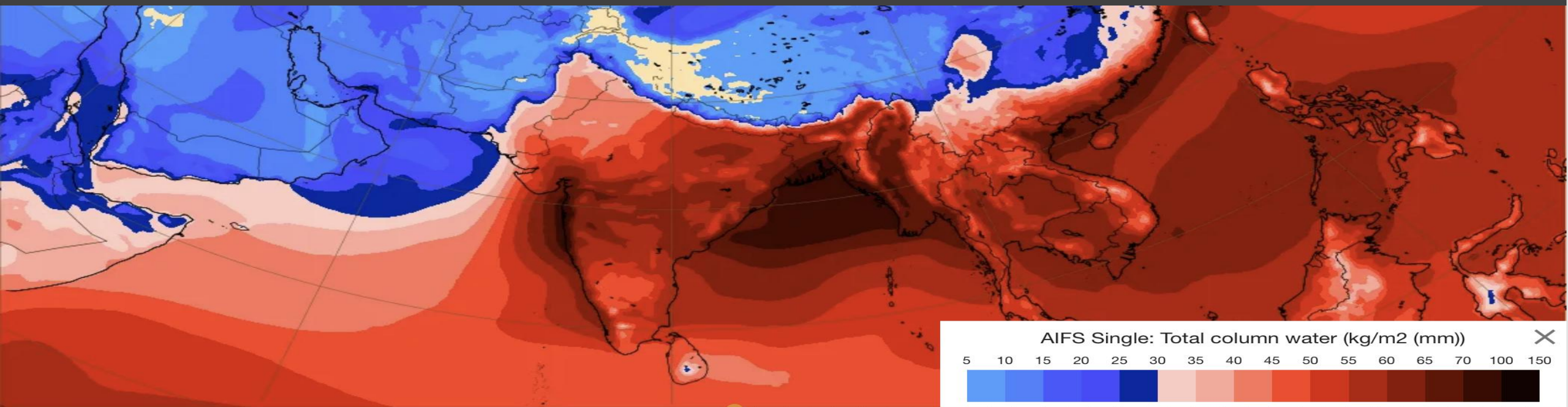
☐ MODIS ☐ VIIRS (all)

BURNED AREAS ⓘ

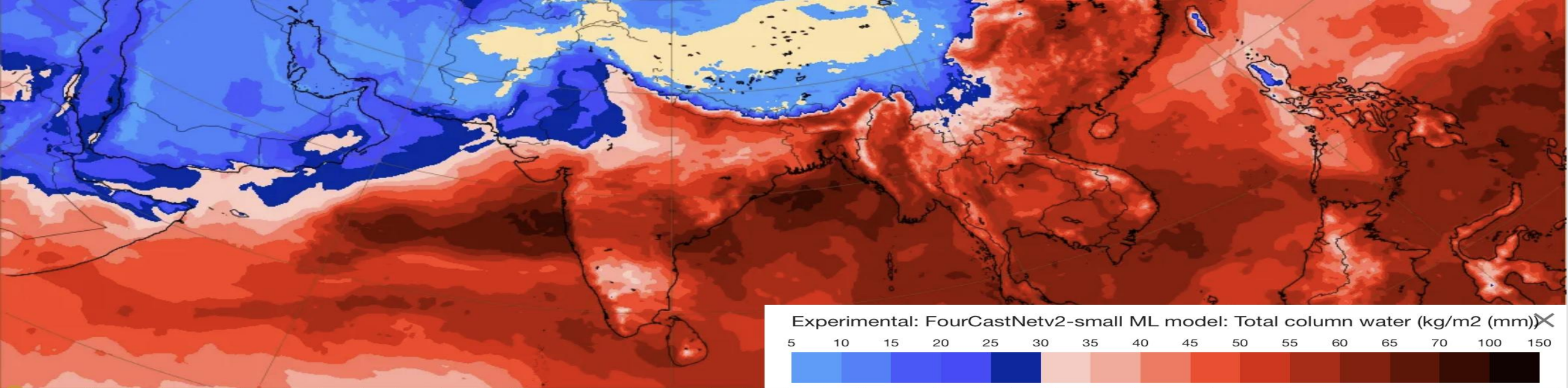




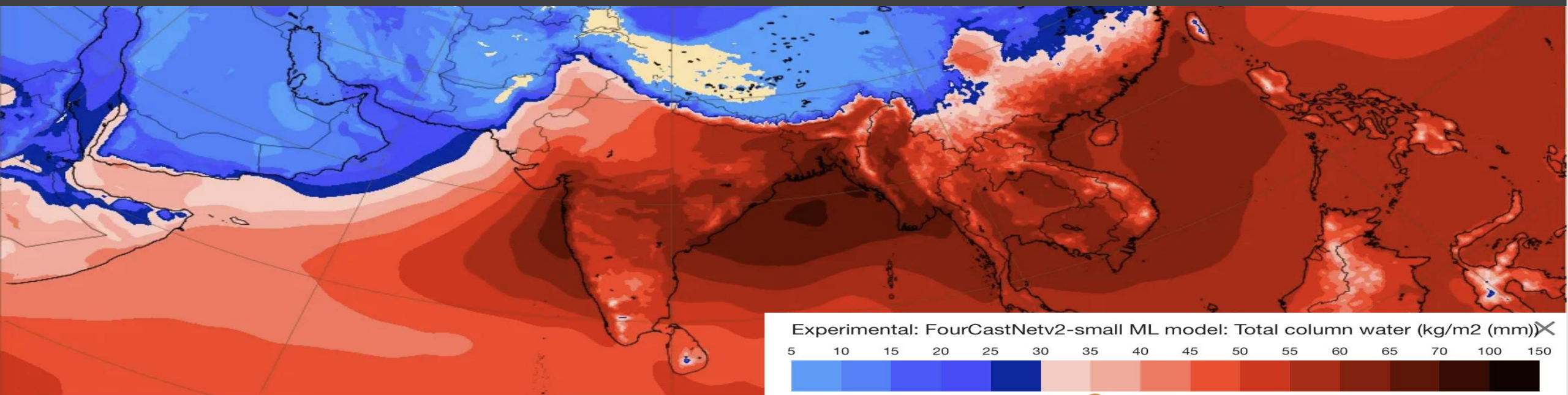
Thu 22 May 2025 00 UTC (T+0)



Thu 29 May 2025 00 UTC (T+168)

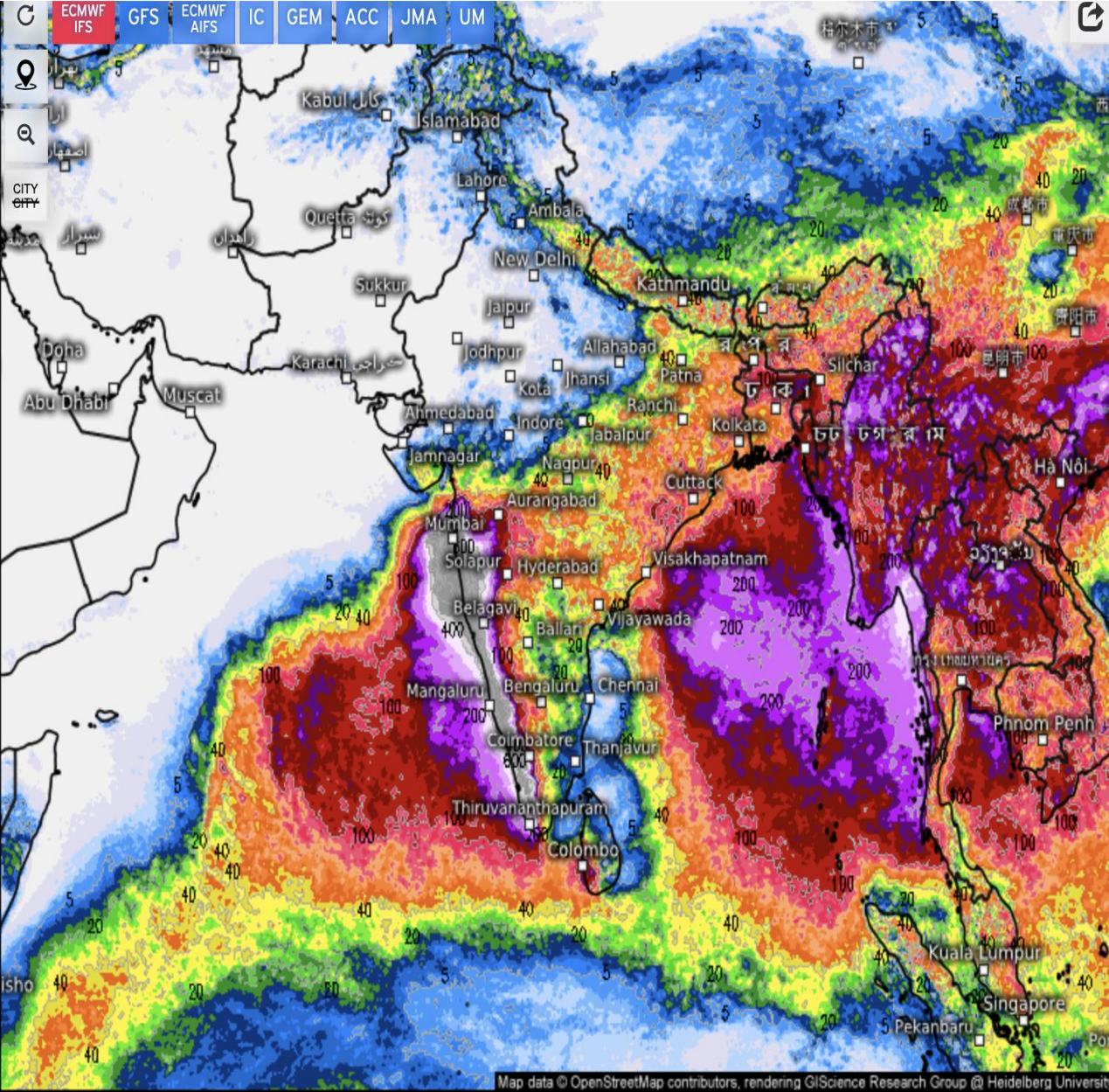


Thu 22 May 2025 00 UTC (T+0)



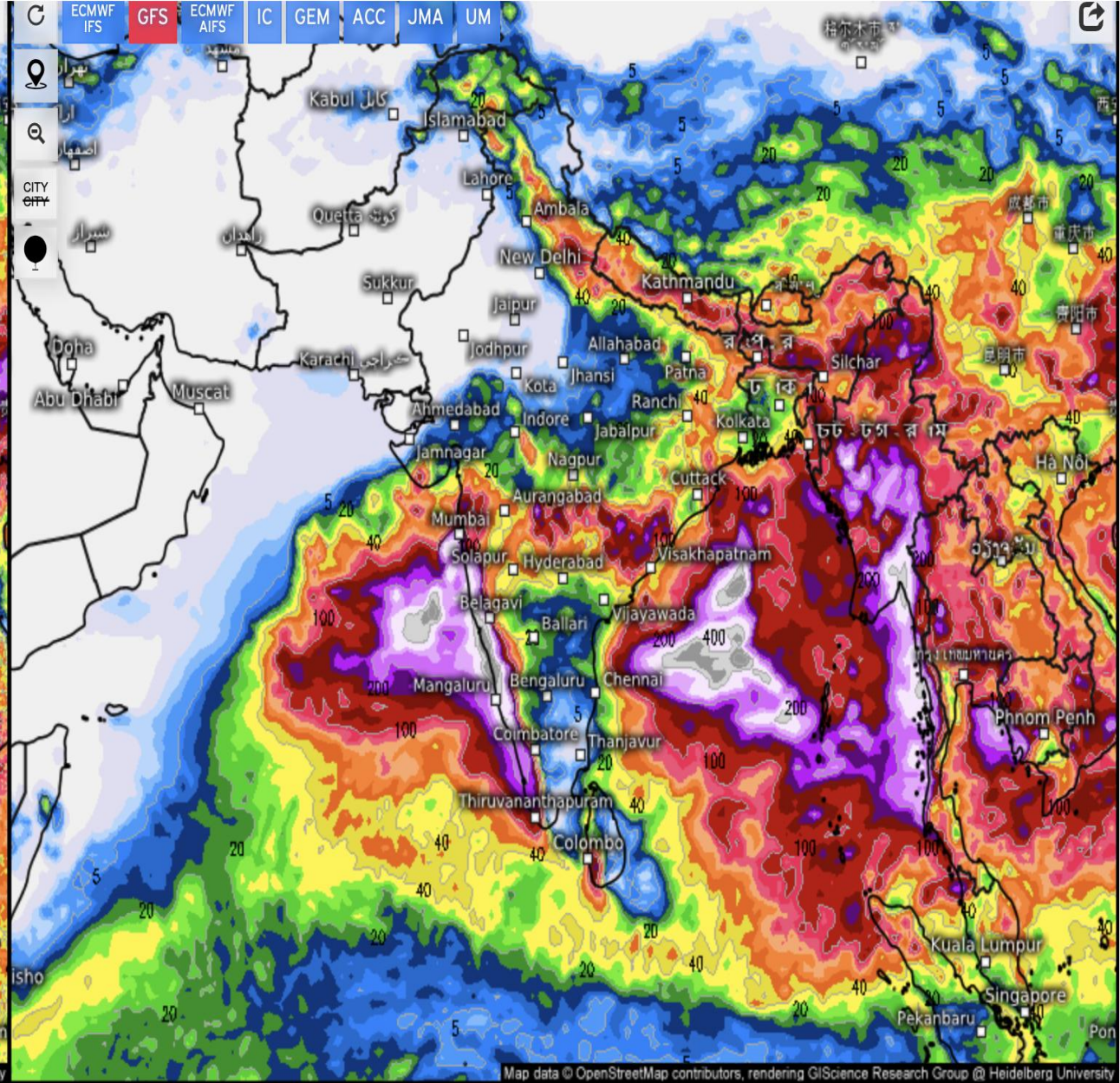
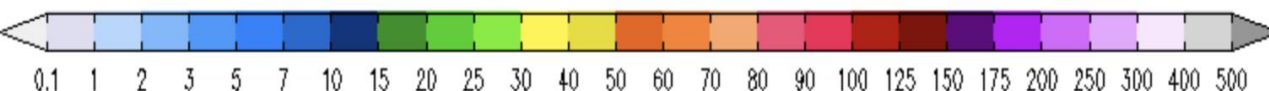
Thu 29 May 2025 00 UTC (T+168)





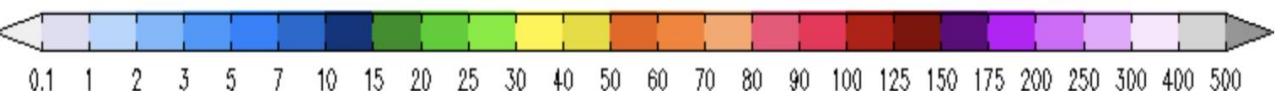
Accumulated total precipitation (mm) ⓘ

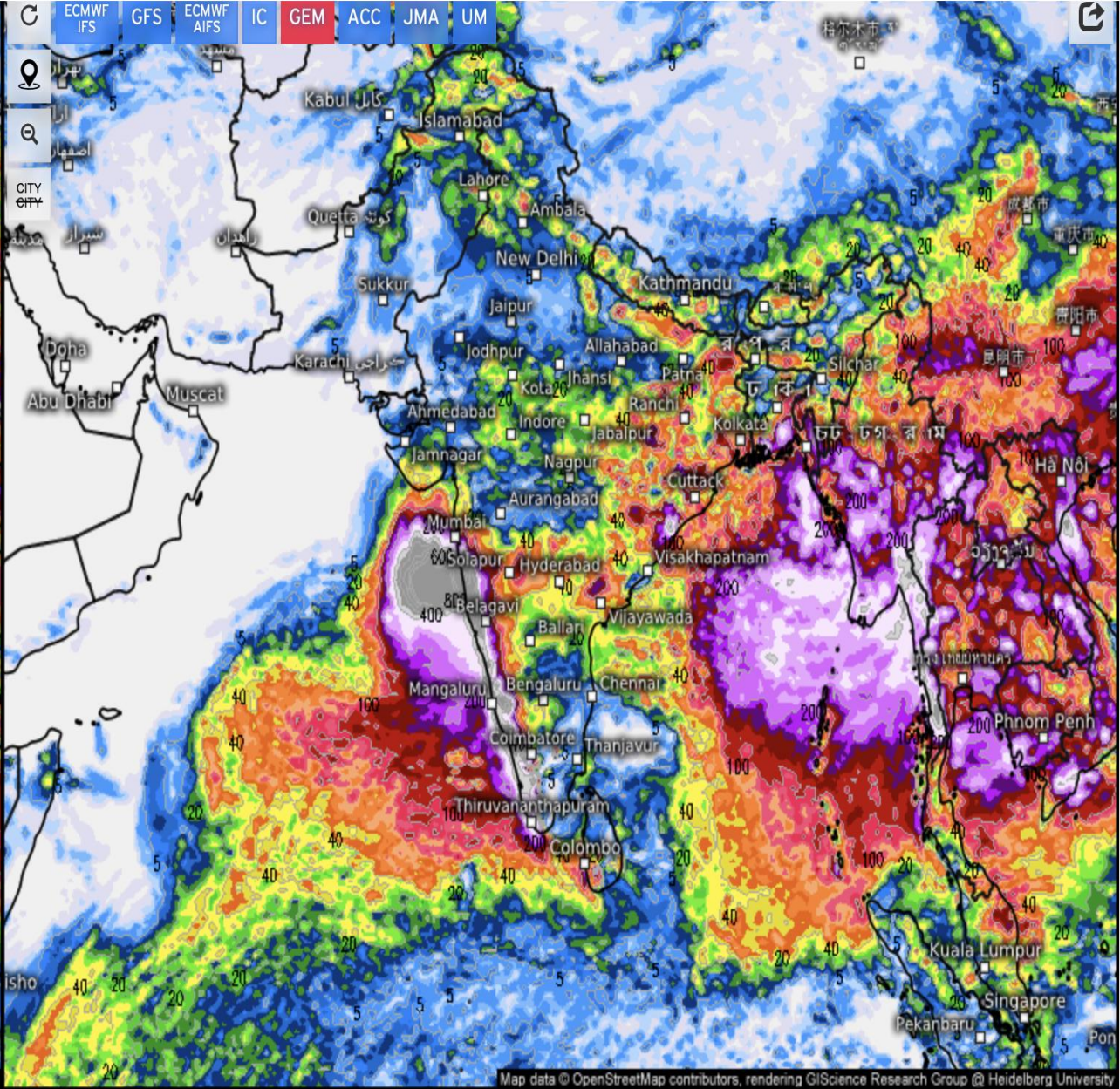
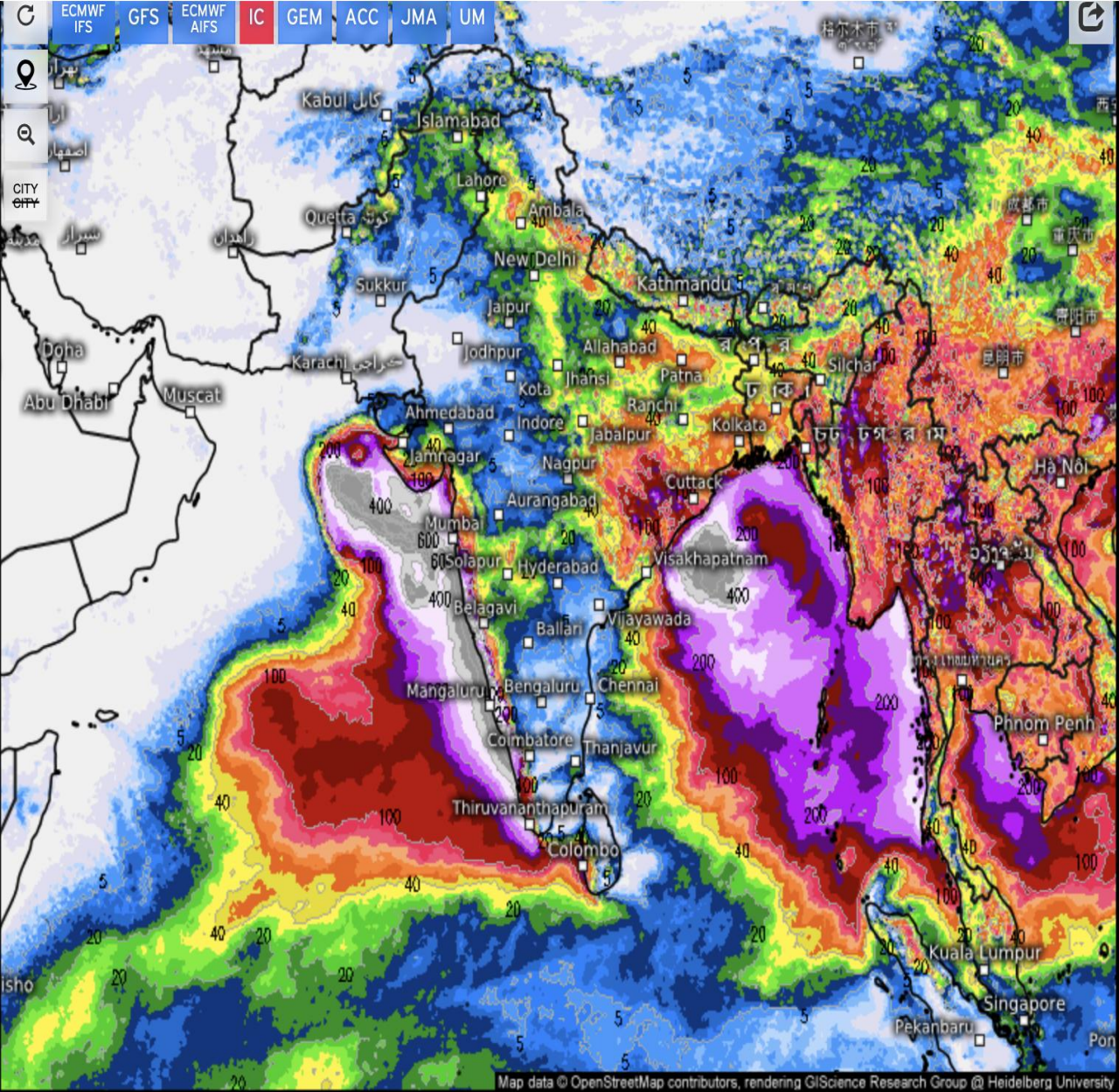
From Thu 05/22/2025, 05:30am IST
to Thu 05/29/2025, 05:30pm IST



Accumulated total precipitation (mm) ⓘ

From Thu 05/22/2025, 05:30am IST
to Thu 05/29/2025, 05:30pm IST





Accumulated total precipitation (mm)

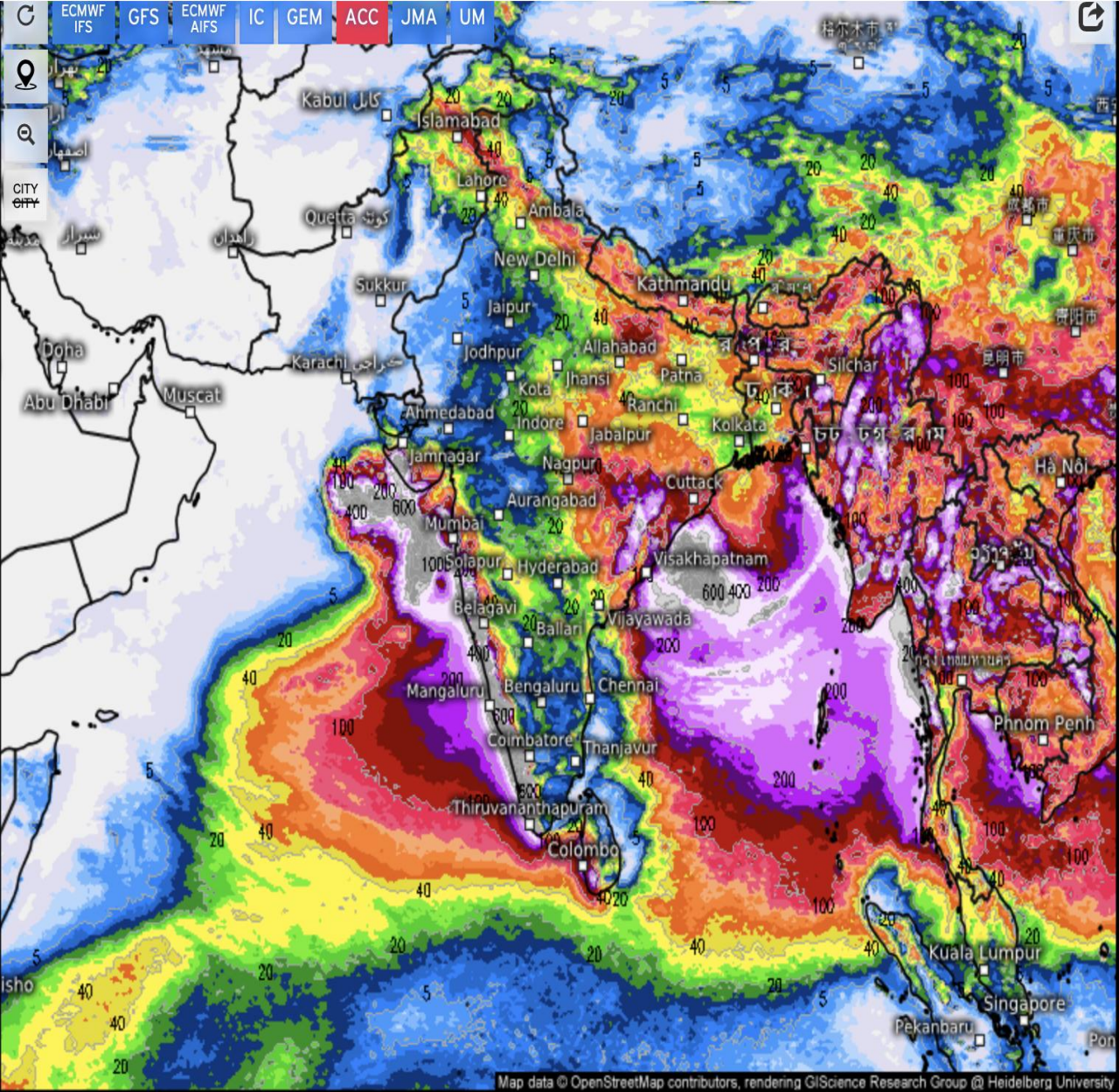
From Thu 05/22/2025, 05:30am IST
to Thu 05/29/2025, 05:30pm IST



Accumulated total precipitation (mm)

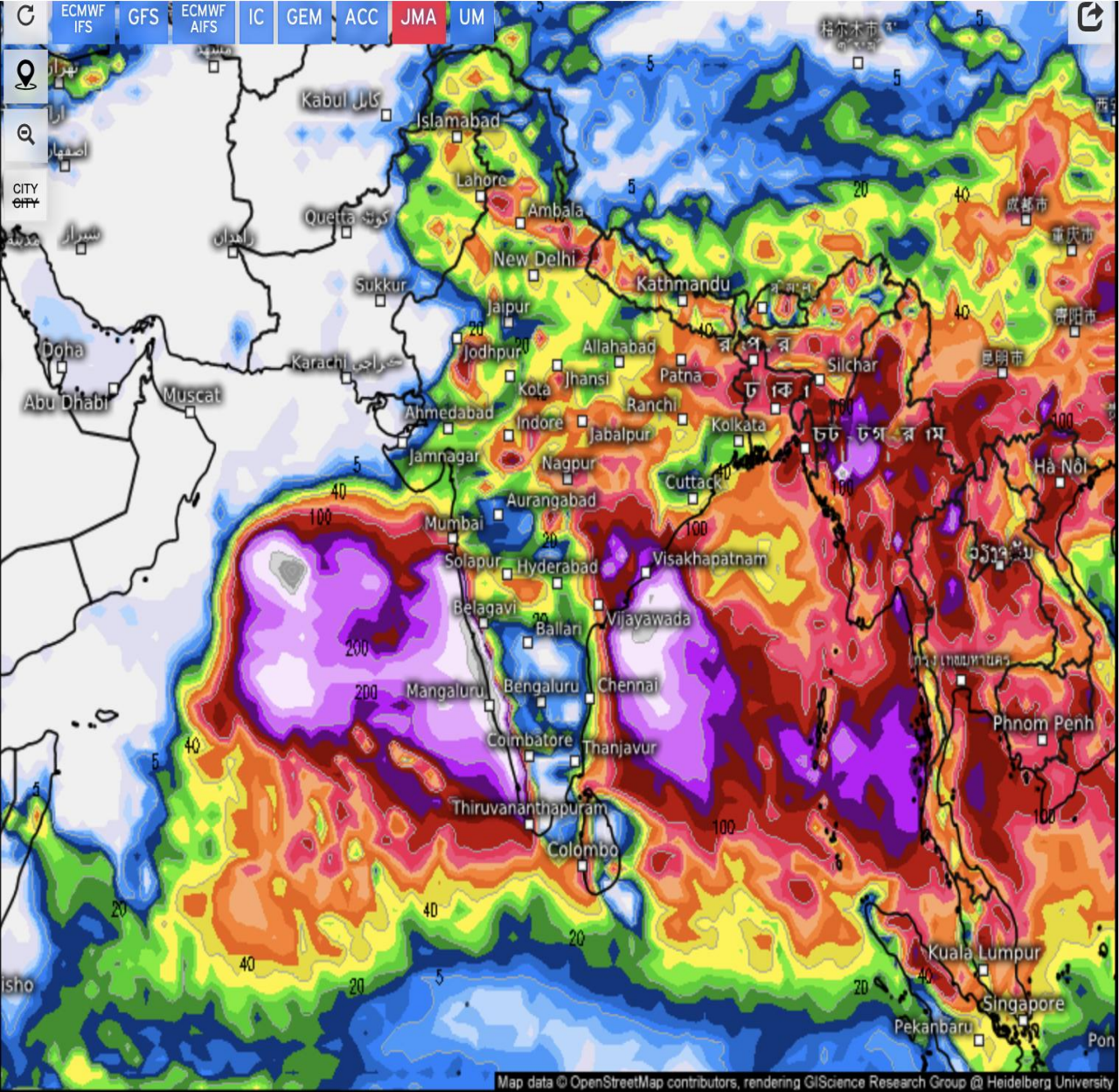
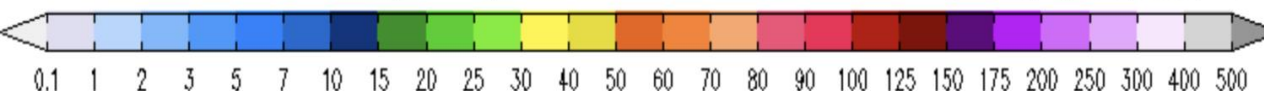
From Thu 05/22/2025, 05:30am IST
to Thu 05/29/2025, 05:30pm IST





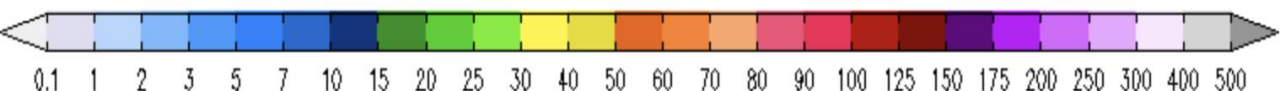
Accumulated total precipitation (mm)

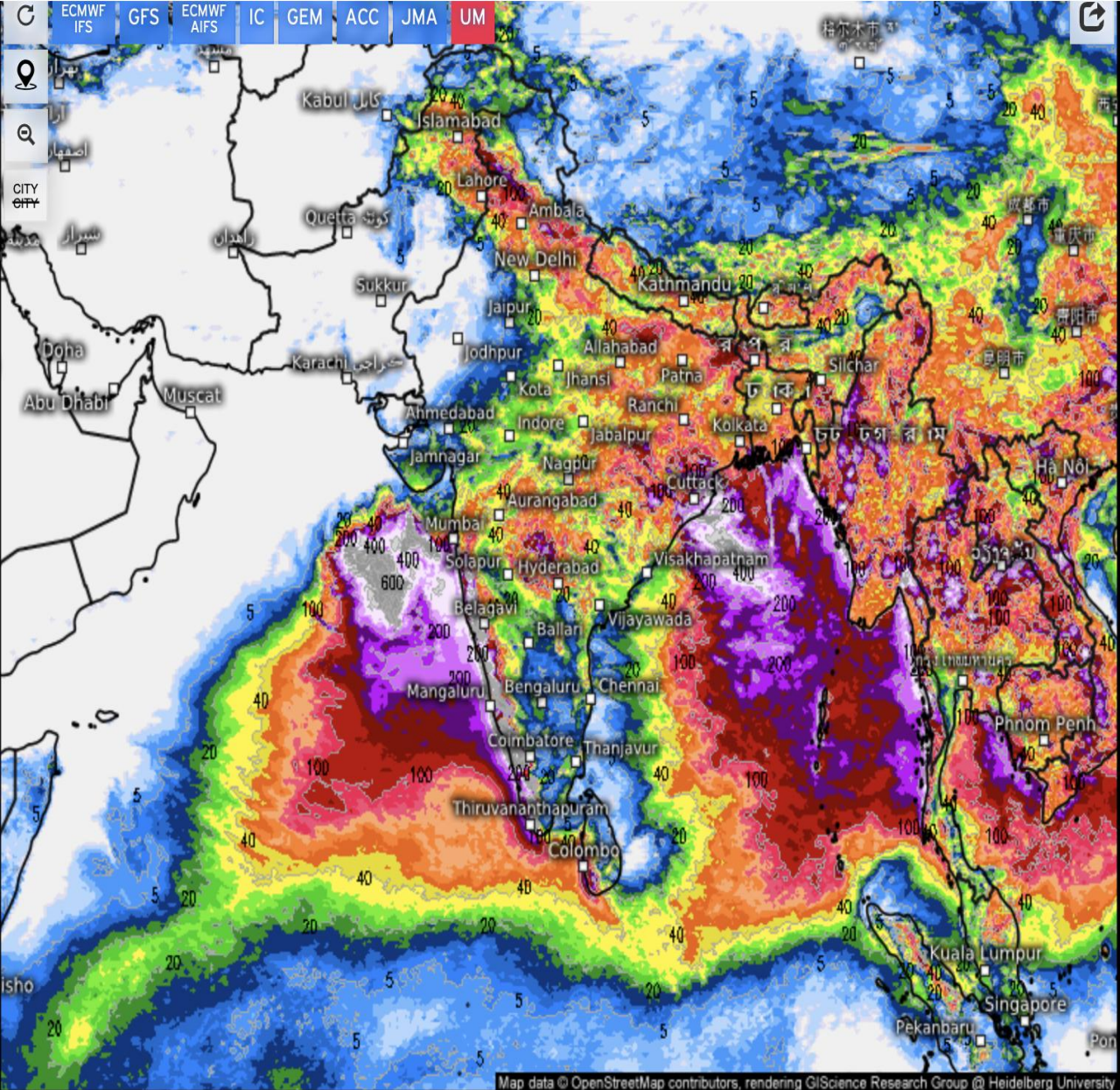
From Thu 05/22/2025, 05:30am IST
to Thu 05/29/2025, 05:30pm IST



Accumulated total precipitation (mm)

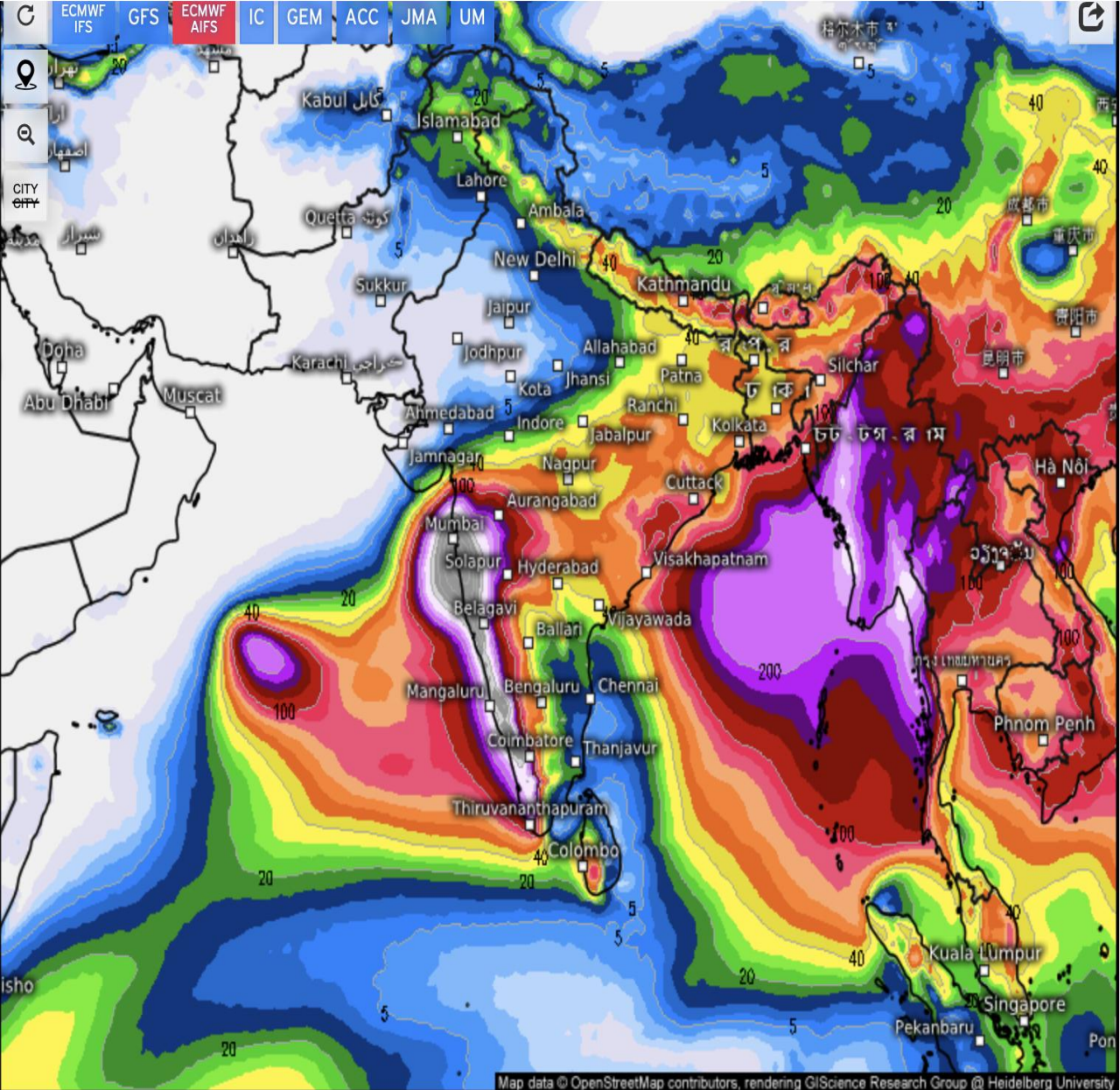
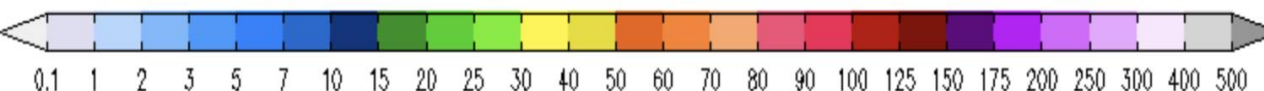
From Wed 05/21/2025, 05:30pm IST
to Thu 05/29/2025, 05:30pm IST





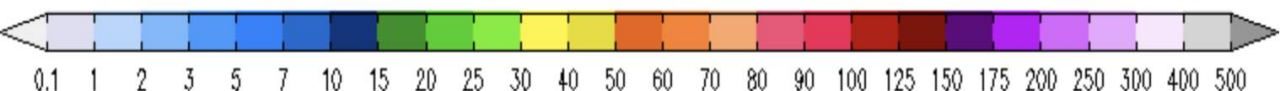
Accumulated total precipitation (mm)

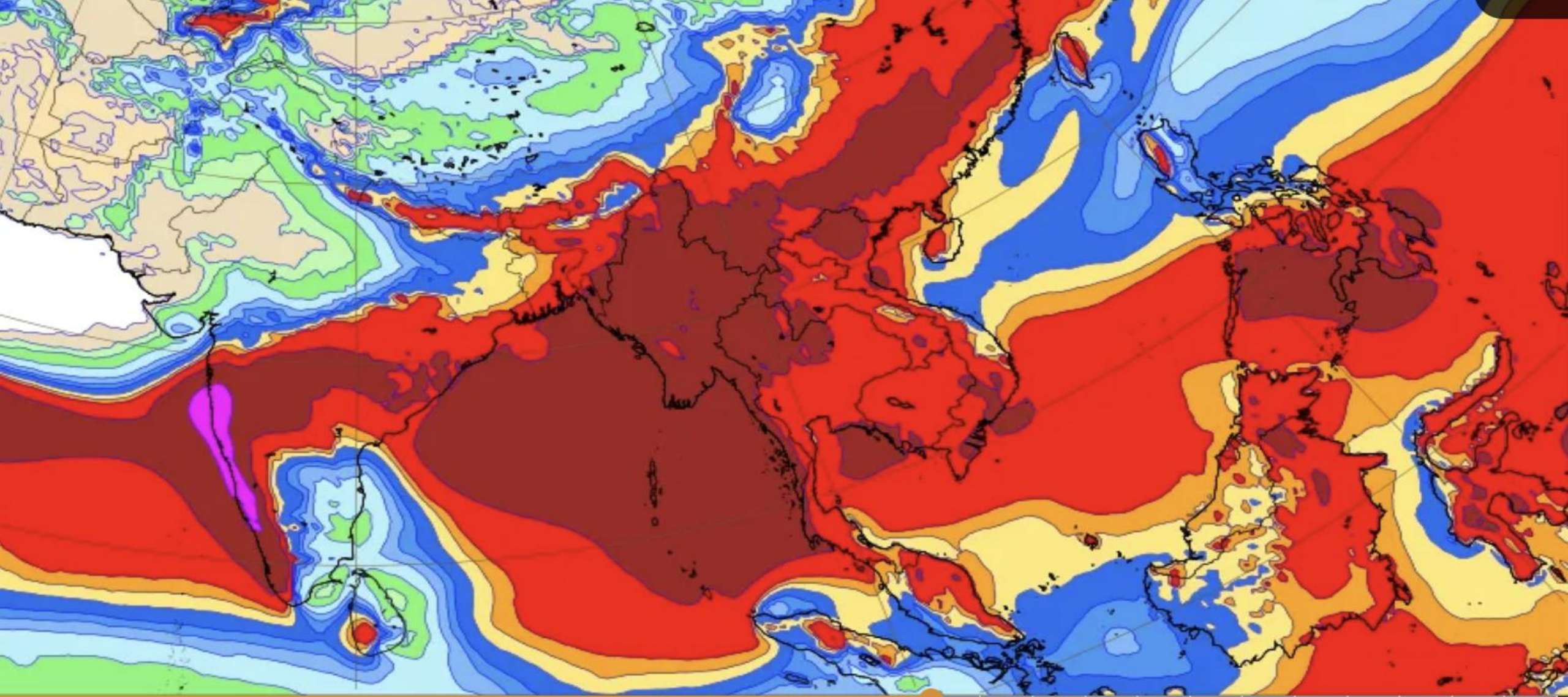
From Wed 05/21/2025, 05:30pm IST
to Thu 05/29/2025, 05:30pm IST



Accumulated total precipitation (mm) 

From Thu 05/22/2025, 05:30am IST
to Thu 05/29/2025, 05:30pm IST





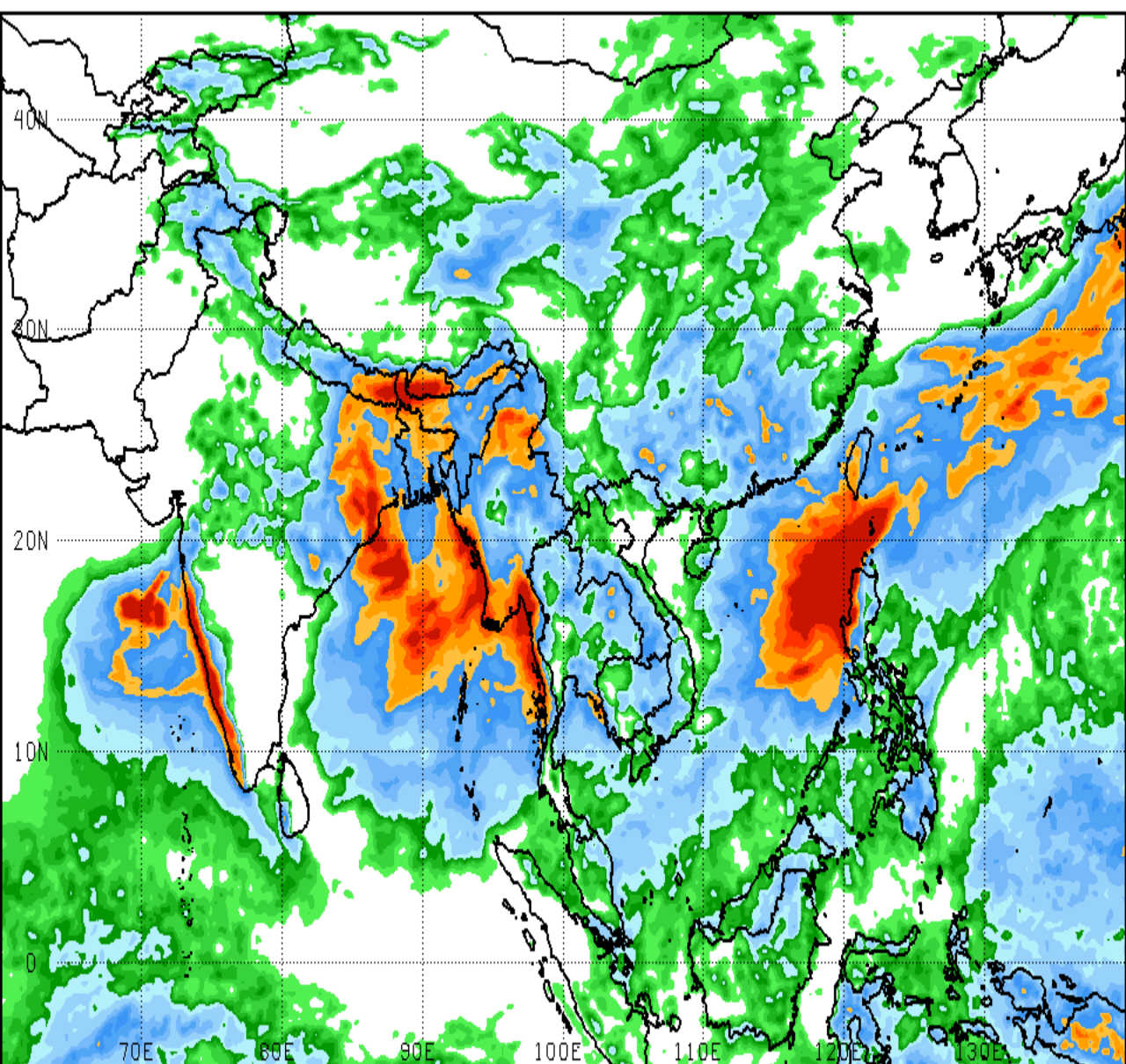
May 2025 00 UTC (T+168)



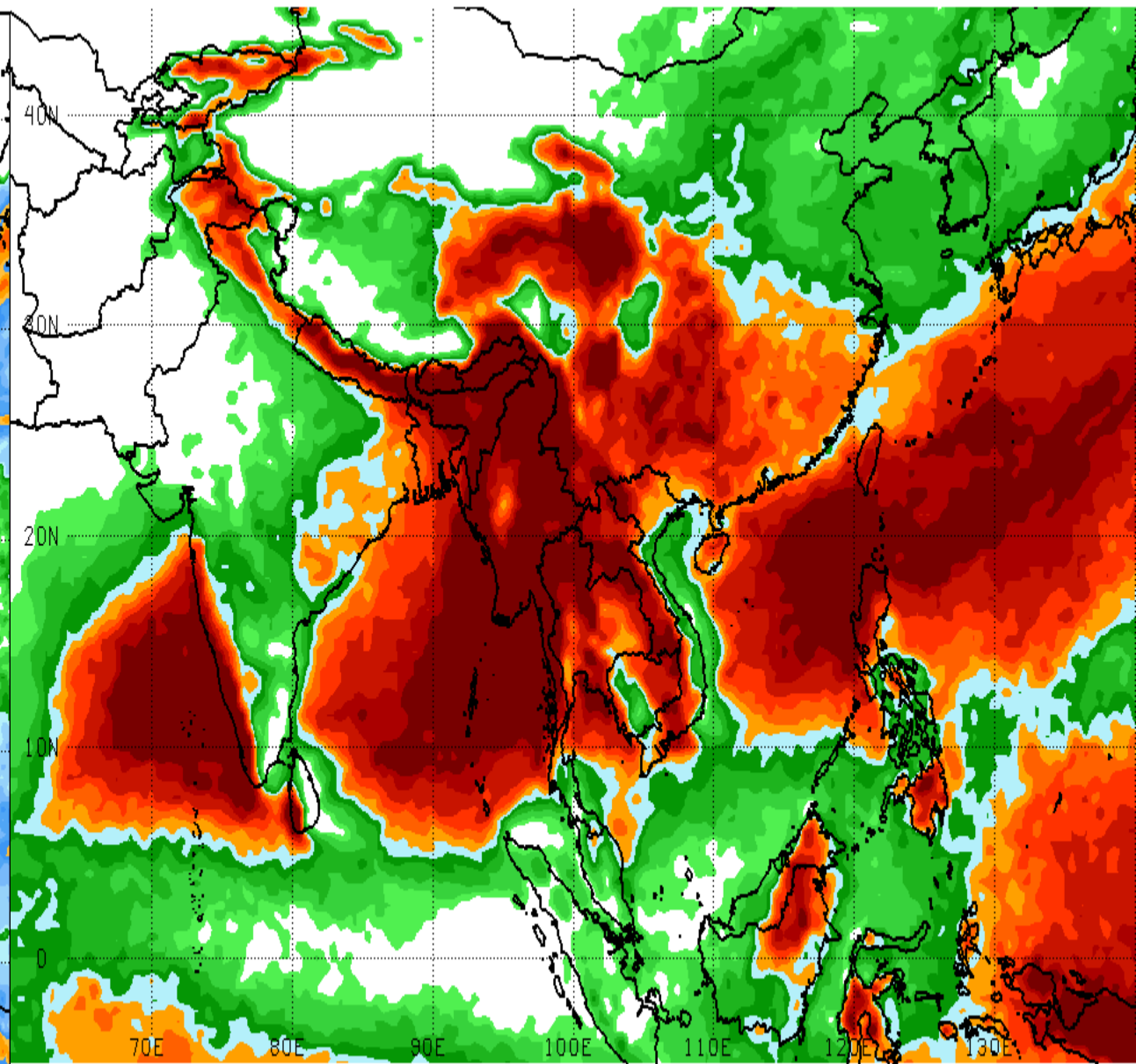
Experimental: GraphCast (Google Deepmind) ML model: Total accumulated precipitation (mm)

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

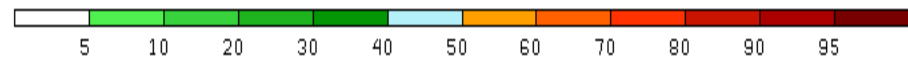




NOAA GFS 20250522 t00z cycle FCST week2 Total Precip (mm) VALID 2025060500Z

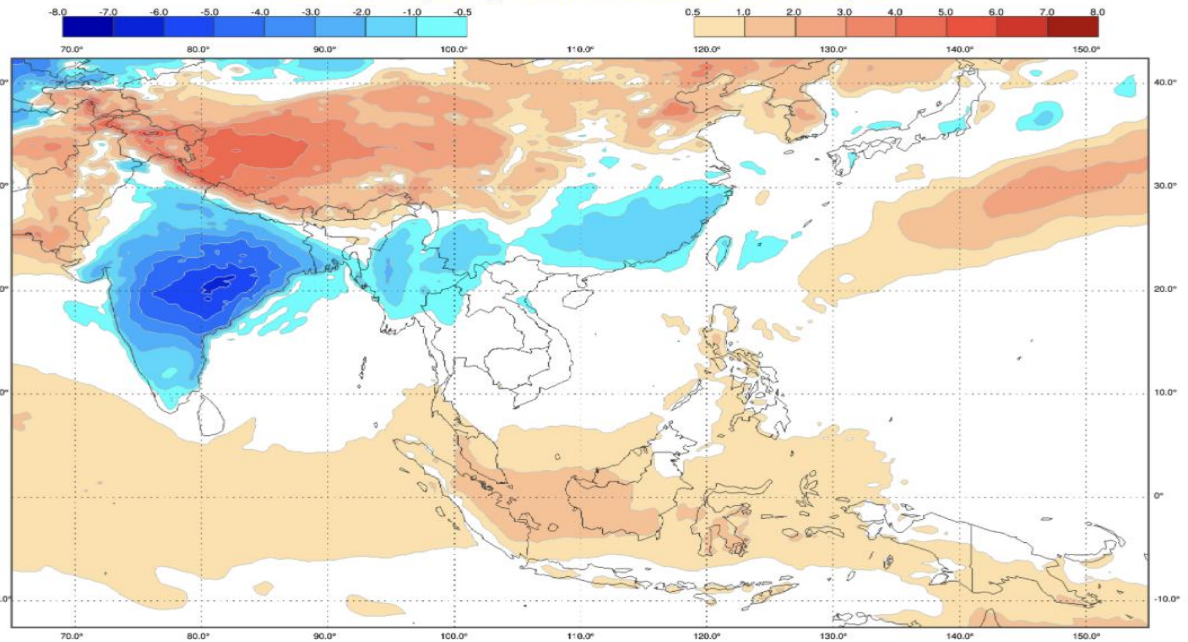


NOAA GFS 20250522 00zCYC FCST Probability of Week2 Precip > 25mm VALID 20250605/0000V336



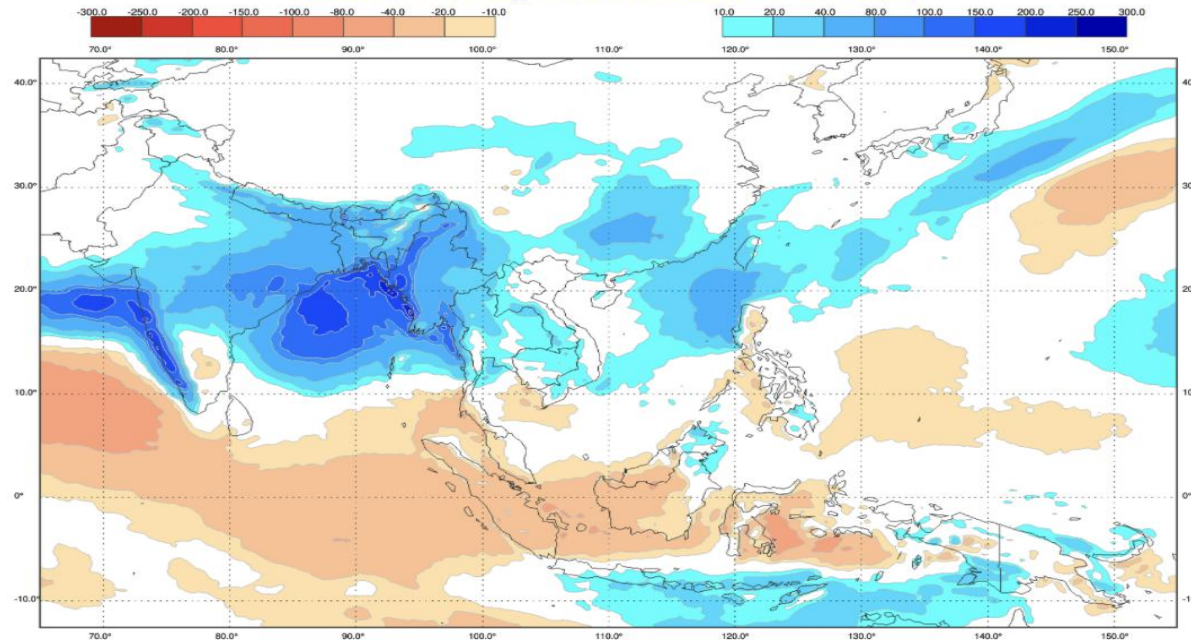
Monthly Temperature (T2m) Anomalies valid for week: from 26 May to 01 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 21 May 2025
Estimated deviation (anomaly) of the mean from model climate in Celsius degrees



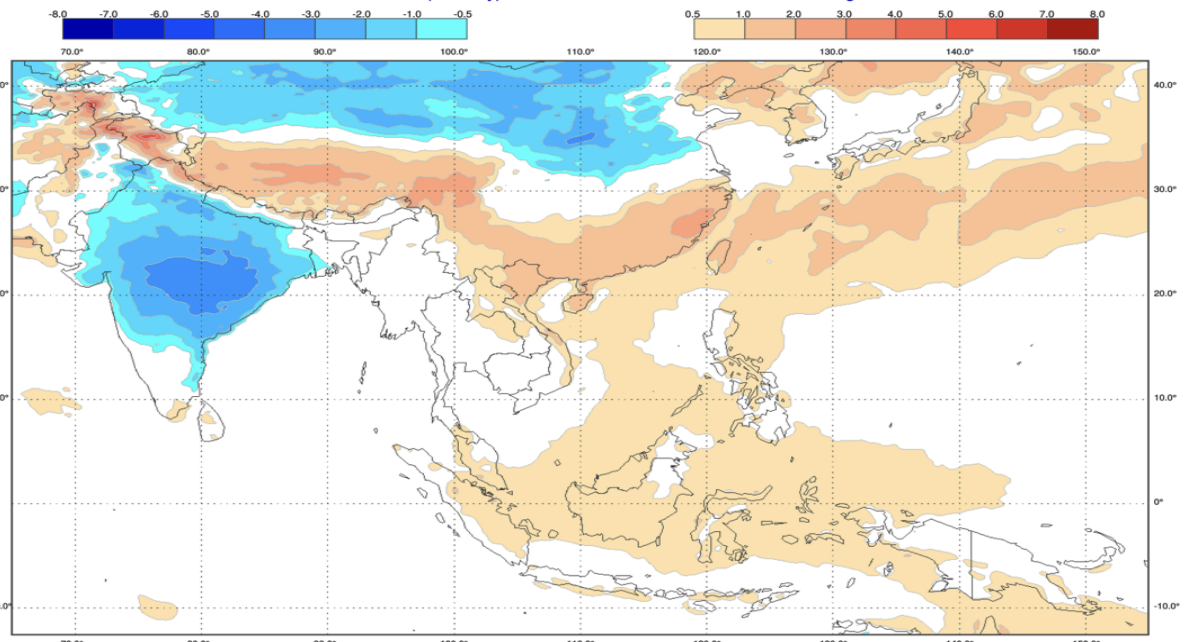
Monthly Rain Anomalies valid for week: from 26 May to 01 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 21 May 2025
Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)



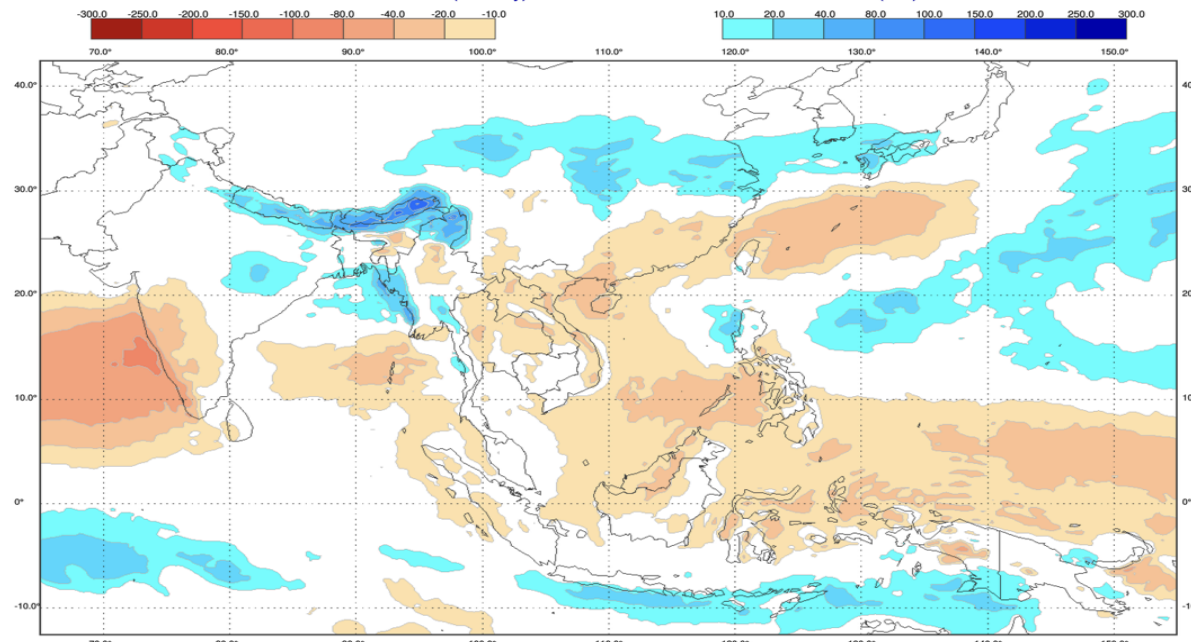
Monthly Temperature (T2m) Anomalies valid for week: from 02 to 08 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 21 May 2025
Estimated deviation (anomaly) of the mean from model climate in Celsius degrees



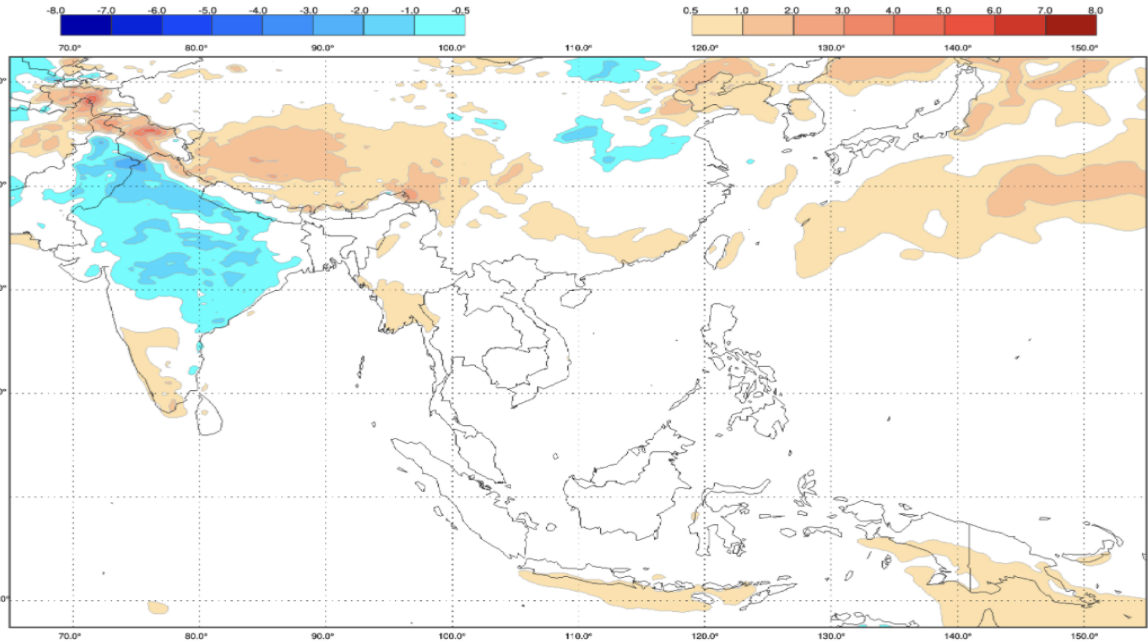
Monthly Rain Anomalies valid for week: from 02 to 08 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 21 May 2025
Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)



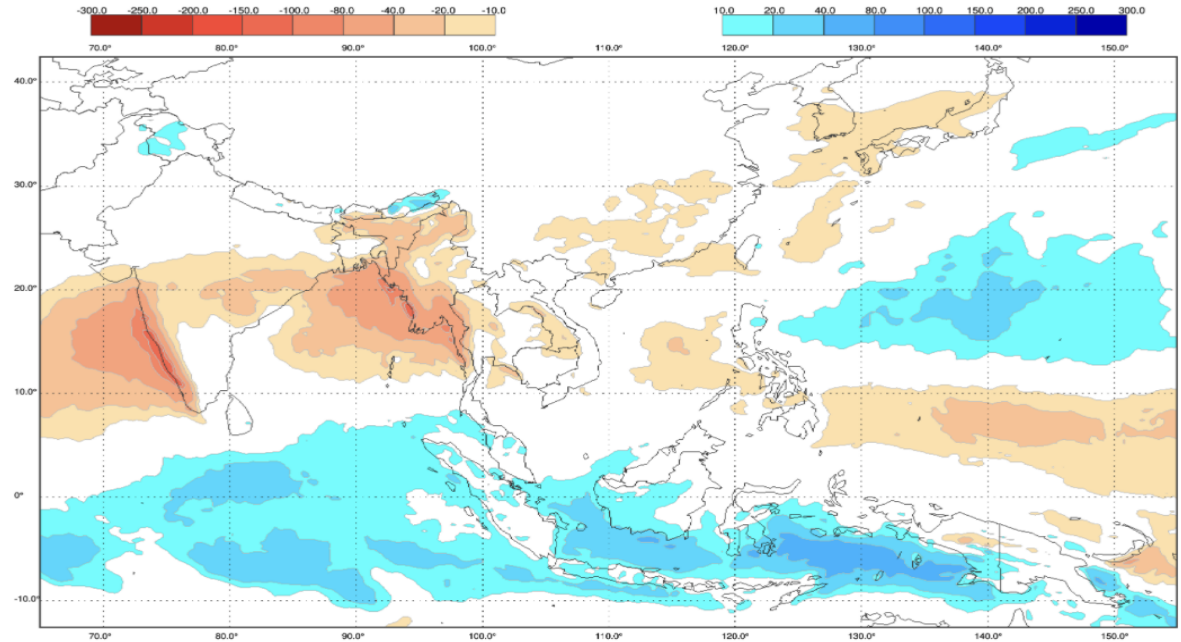
Monthly Temperature (T2m) Anomalies valid for week: from 09 to 15 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 21 May 2025
Estimated deviation (anomaly) of the mean from model climate in Celsius degrees



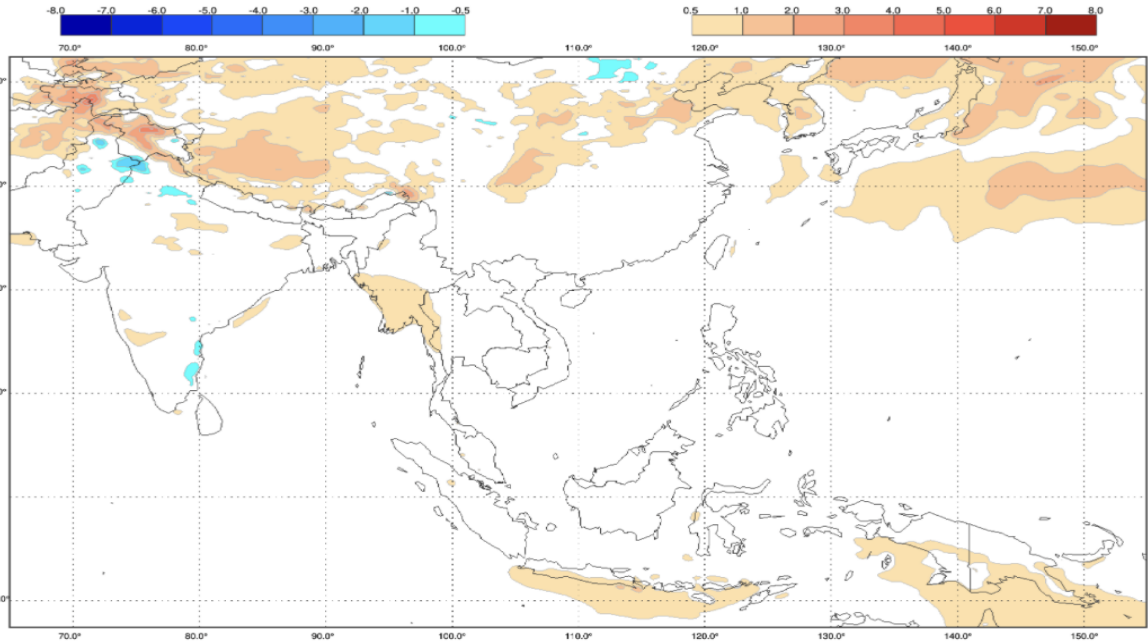
Monthly Rain Anomalies valid for week: from 09 to 15 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 21 May 2025
Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)



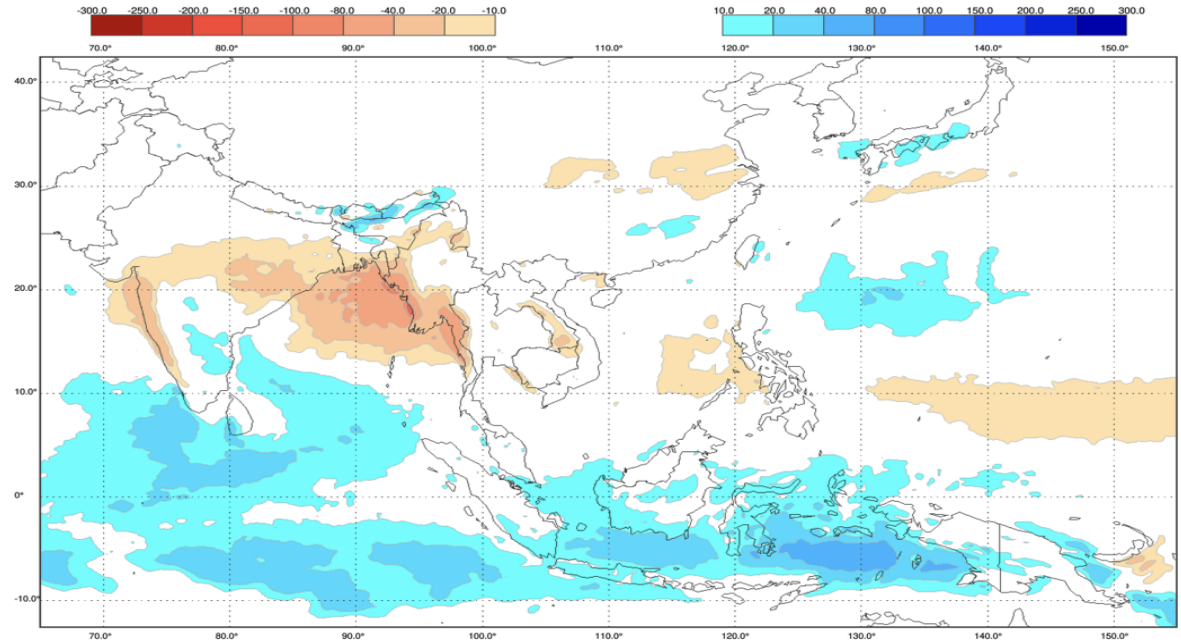
Monthly Temperature (T2m) Anomalies valid for week: from 16 to 22 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 21 May 2025
Estimated deviation (anomaly) of the mean from model climate in Celsius degrees



Monthly Rain Anomalies valid for week: from 16 to 22 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 21 May 2025
Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)



MME forecast Tmax anomaly (Deg C)

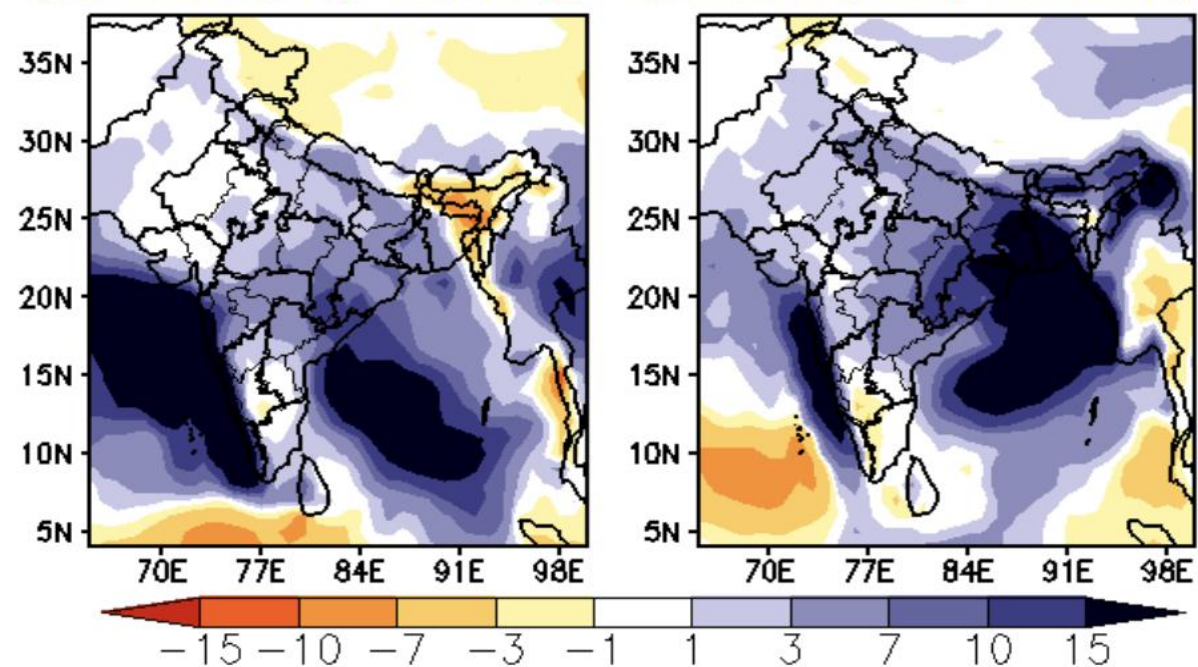
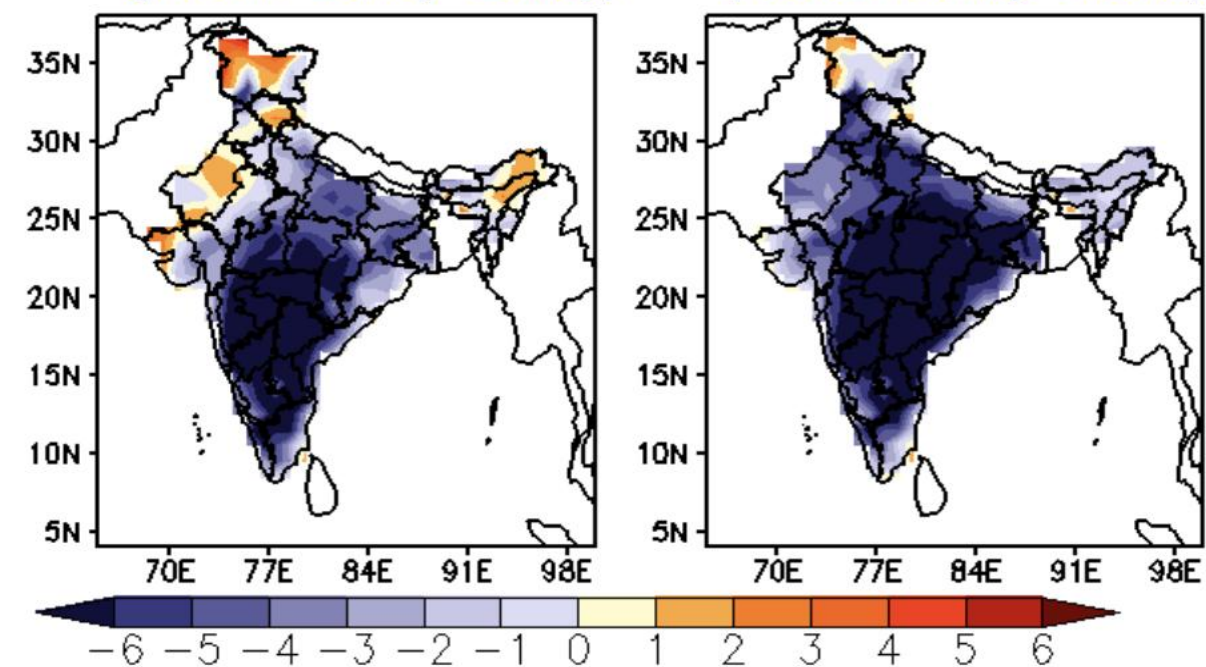
(Week1: 23May-29May)

(Week2: 30May-05Jun)

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

(Week1:00Z22May-00Z29May)

(Week2:00Z29May-00Z05Jun)

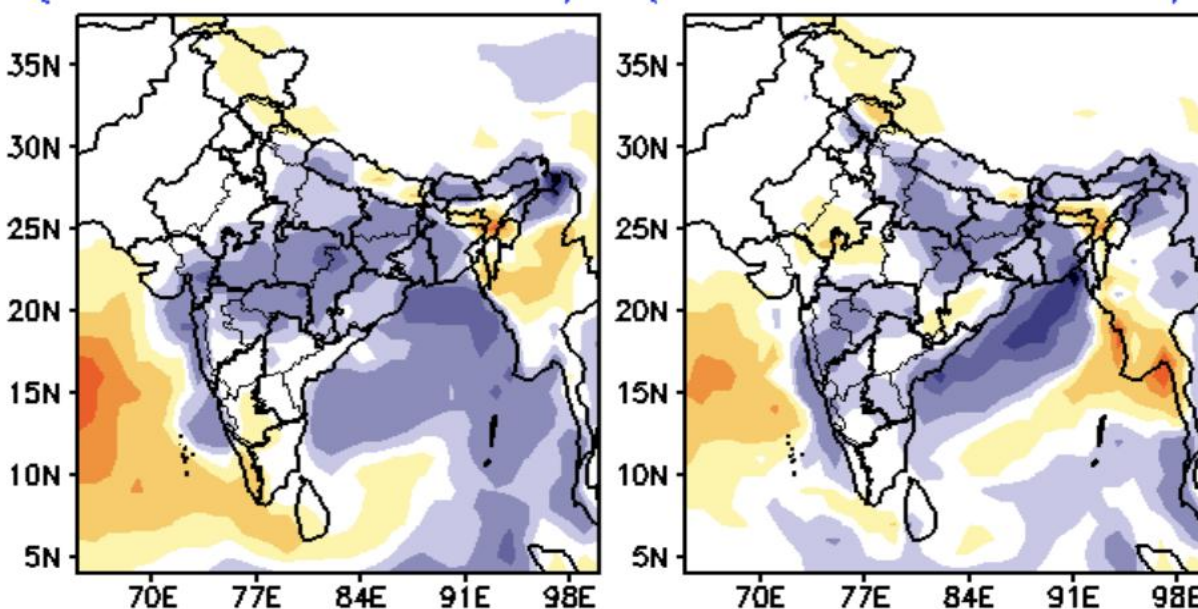
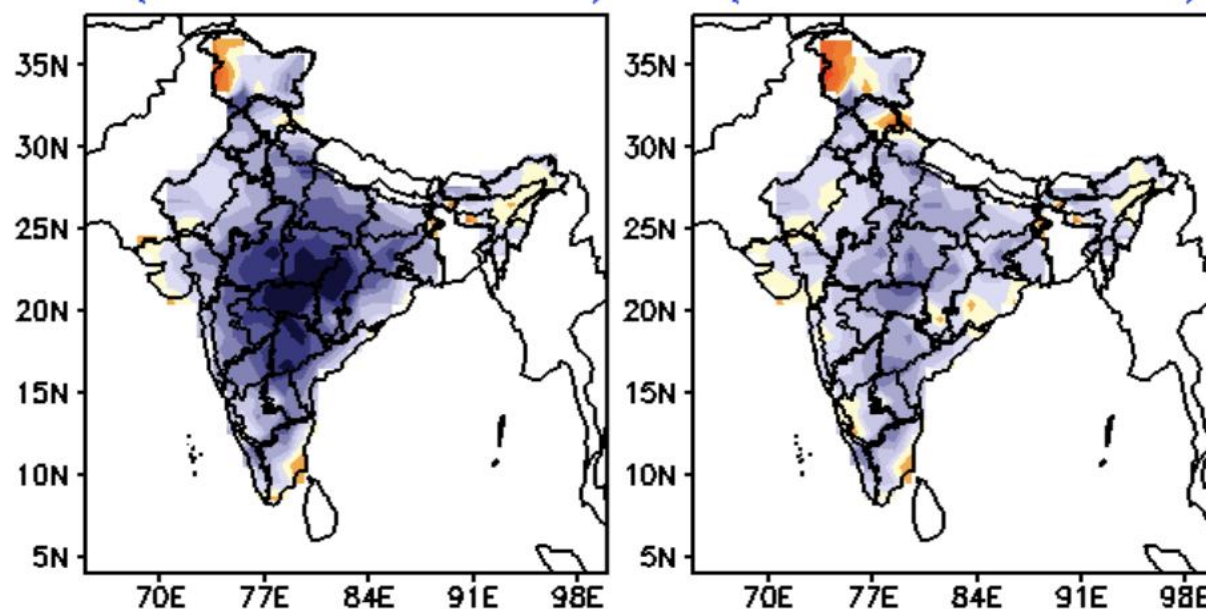


(Week3: 06Jun-12Jun)

(Week4: 13Jun-19Jun)

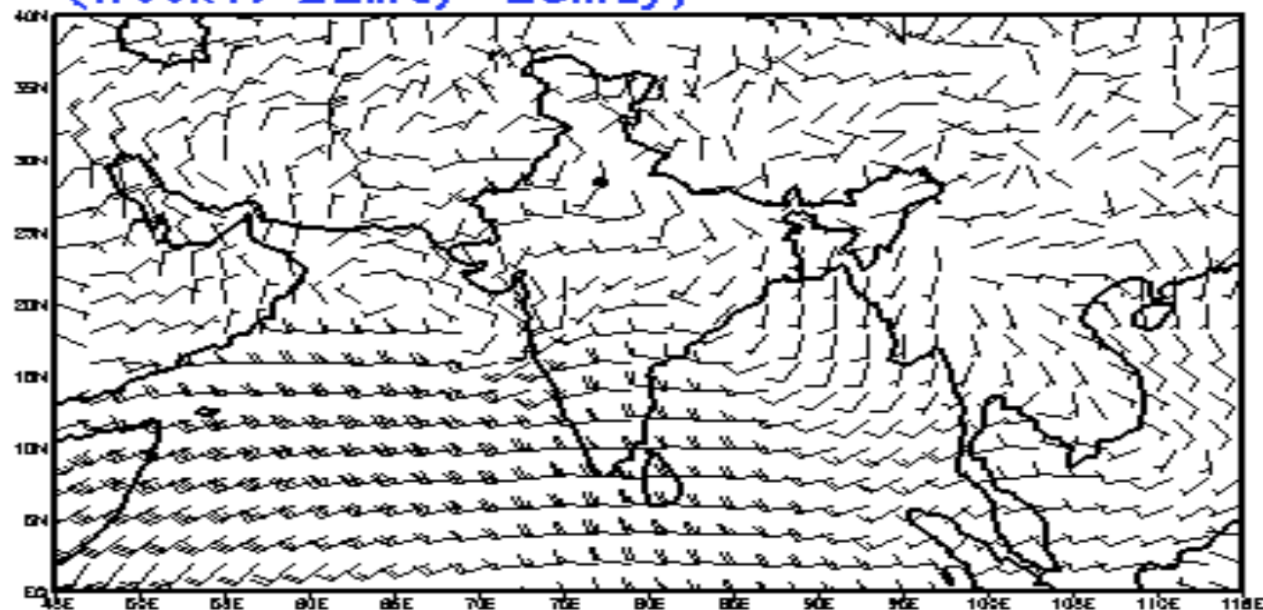
(Week3:00Z05Jun-00Z12Jun)

(Week4:00Z12Jun-00Z19Jun)

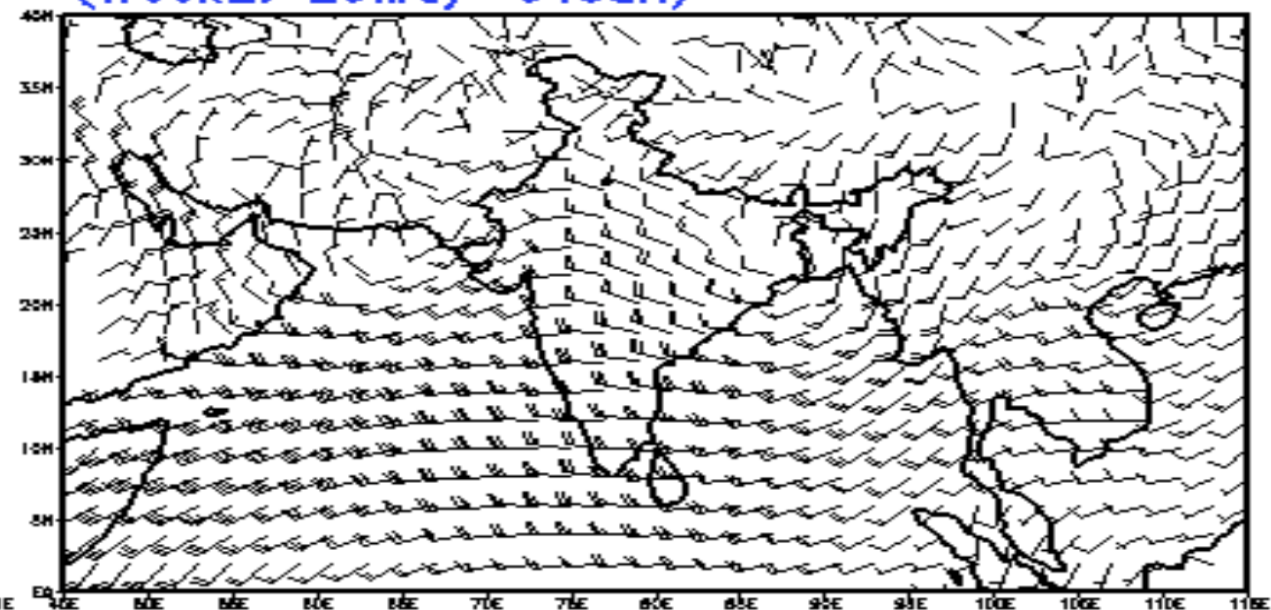


MME Weekly mean 850 hPa wind

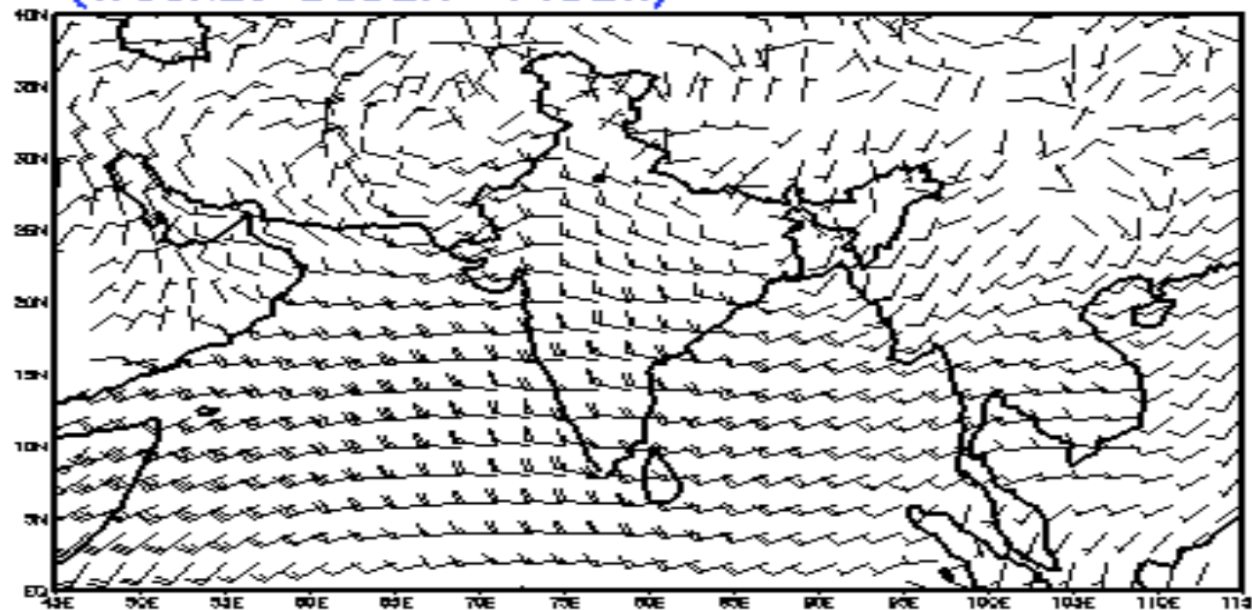
(Week1: 22May-28May)



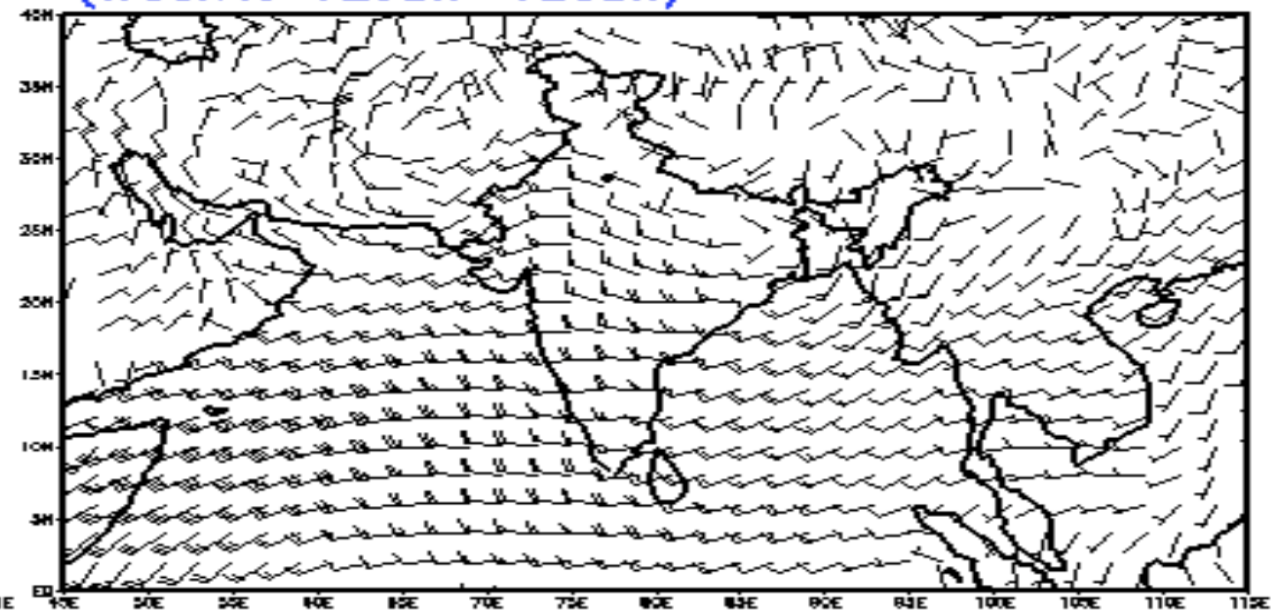
(Week2: 29May-04Jun)



(Week3: 05Jun-11Jun)

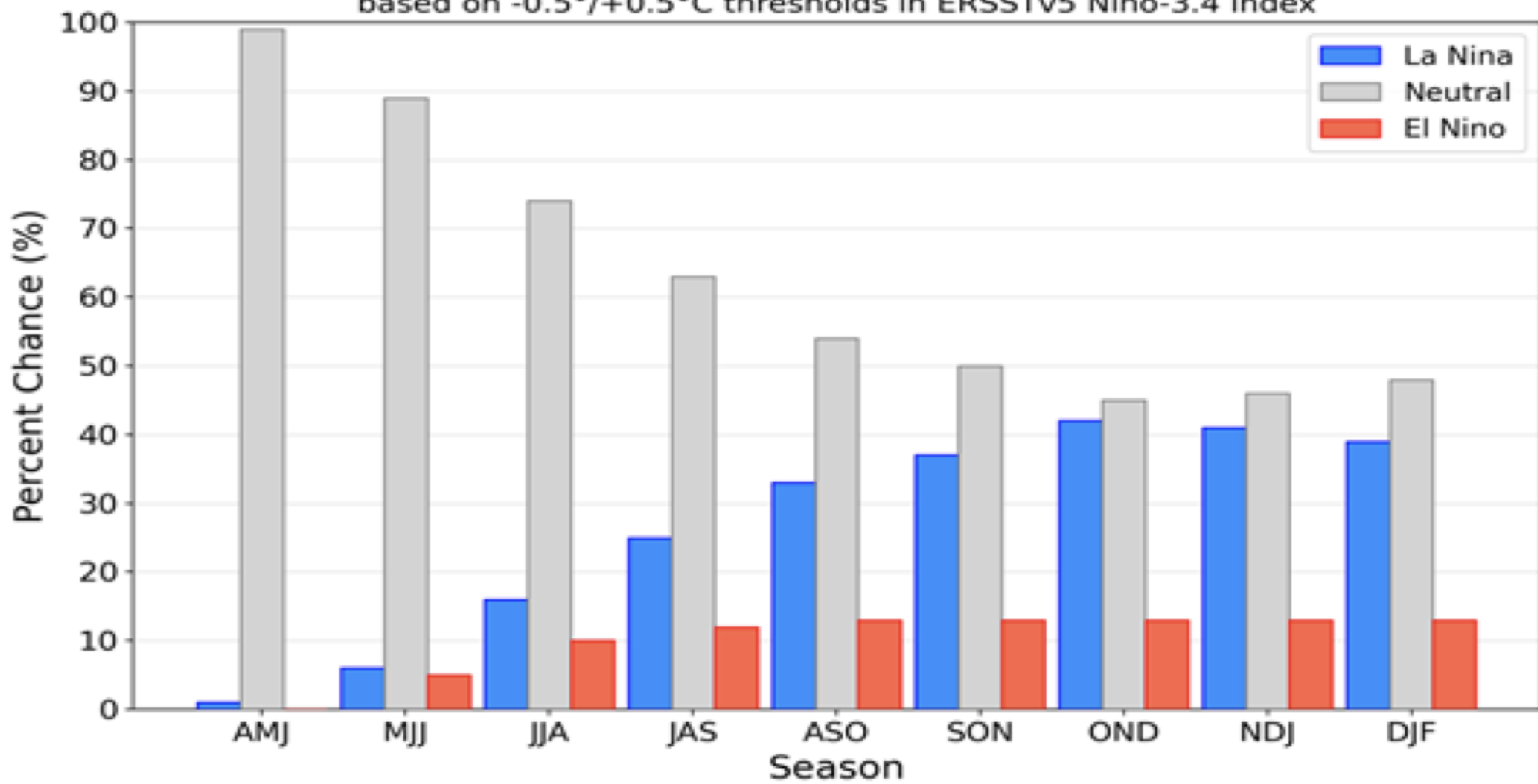


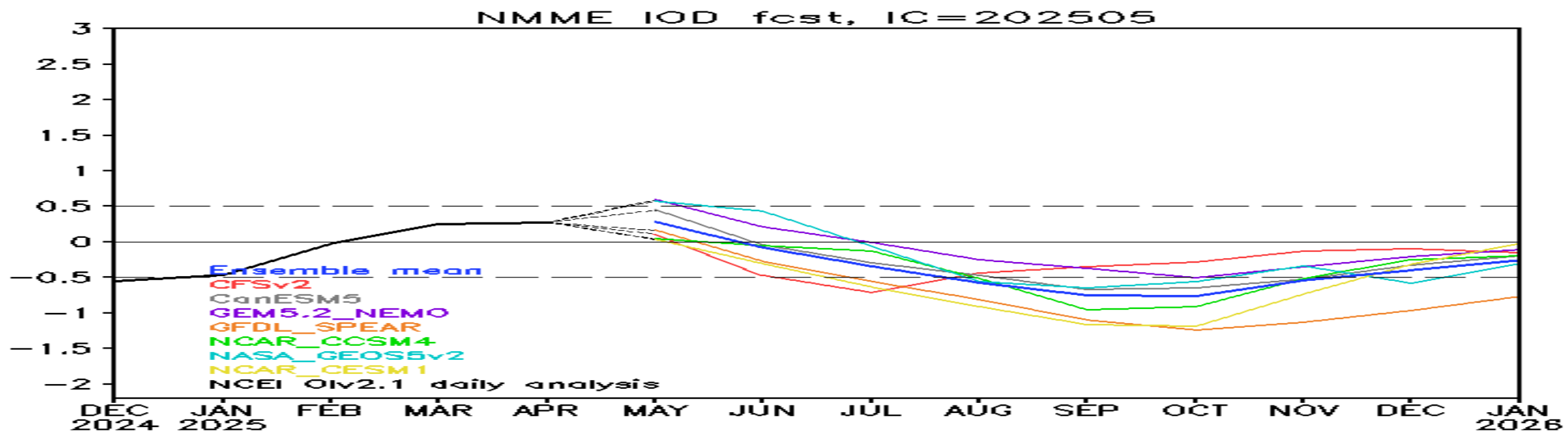
(Week4: 12Jun-18Jun)



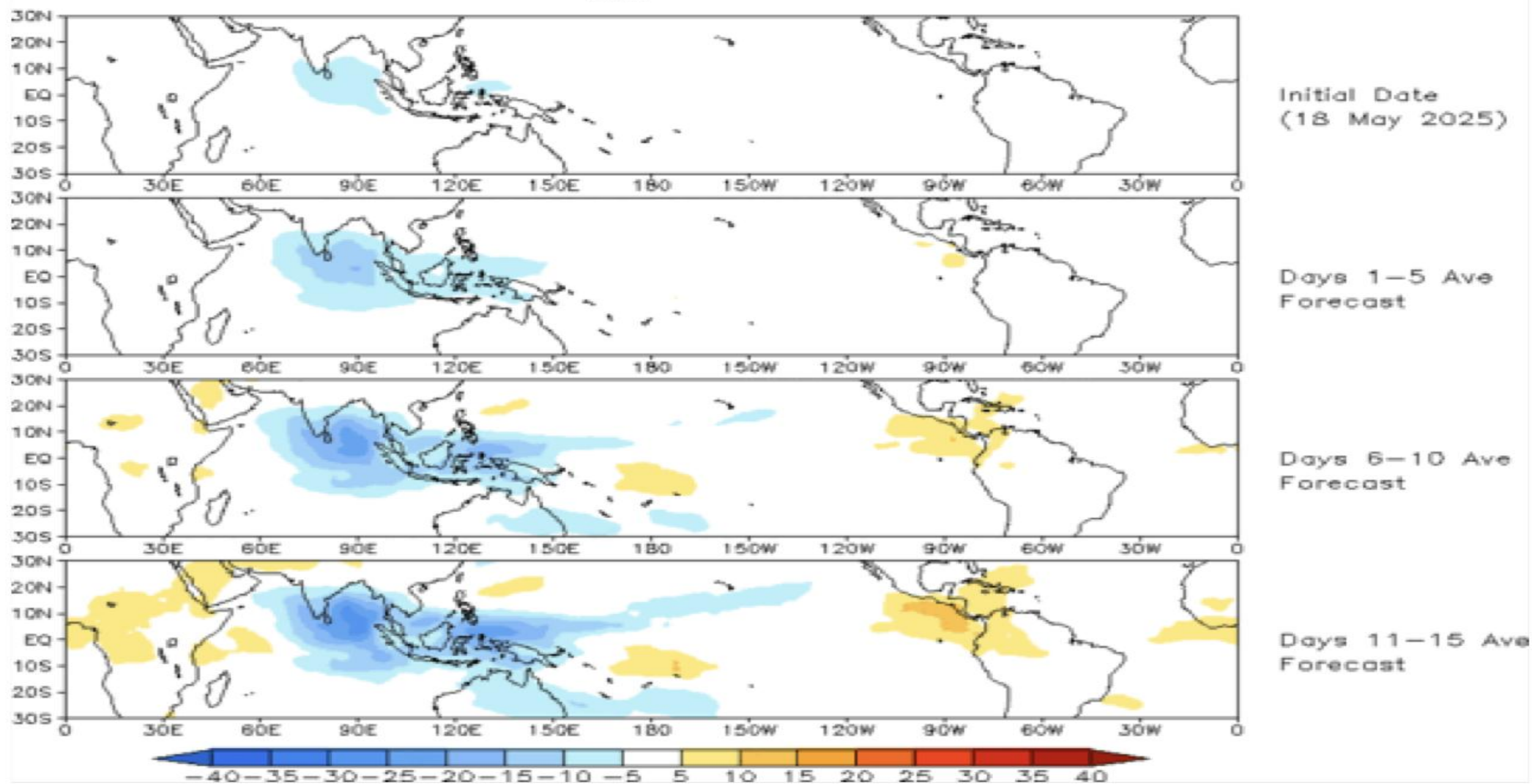
Official NOAA CPC ENSO Probabilities (issued May 2025)

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





Prediction of MJO-related anomalies using GEFS operational forecast
Initial date: 18 May 2025
OLR



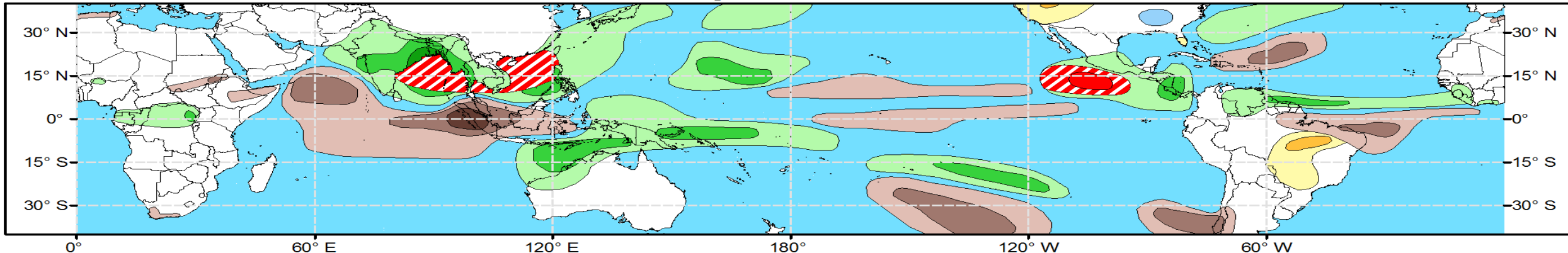


Global Tropics Hazards Outlook

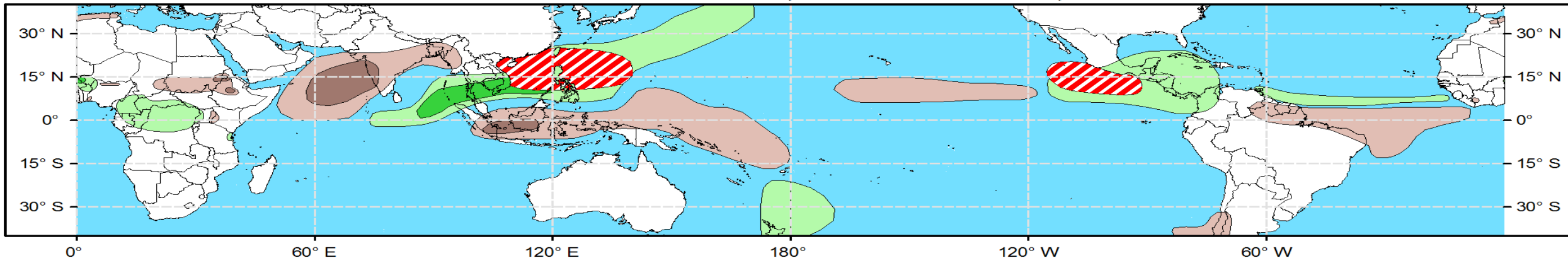
Climate Prediction Center



Week 2 - Valid: May 28, 2025 - Jun 03, 2025



Week 3 - Valid: Jun 04, 2025 - Jun 10, 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*

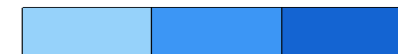
**Above-Average
Temperatures Probability**



>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: 05/20/2025
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.**