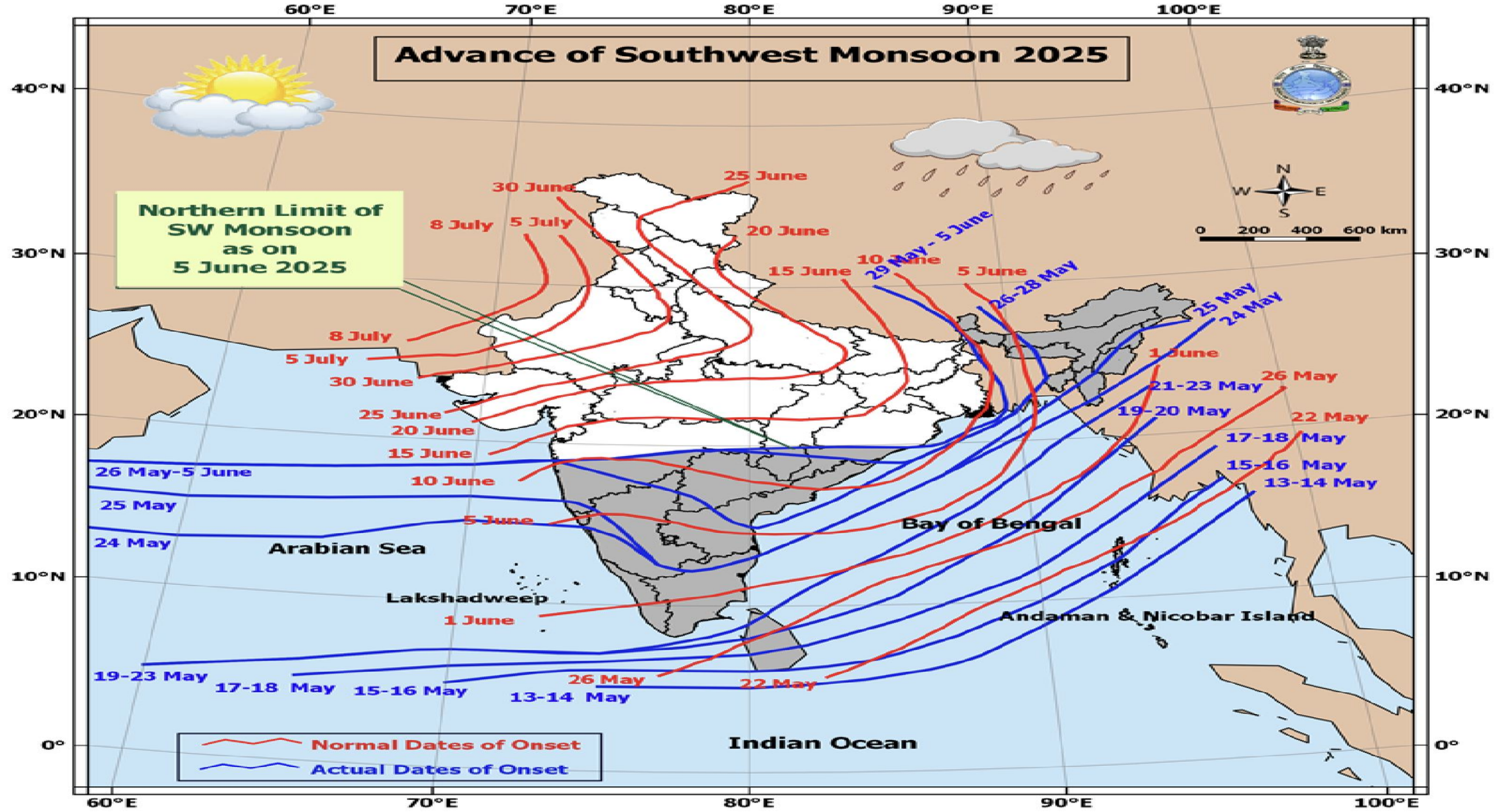
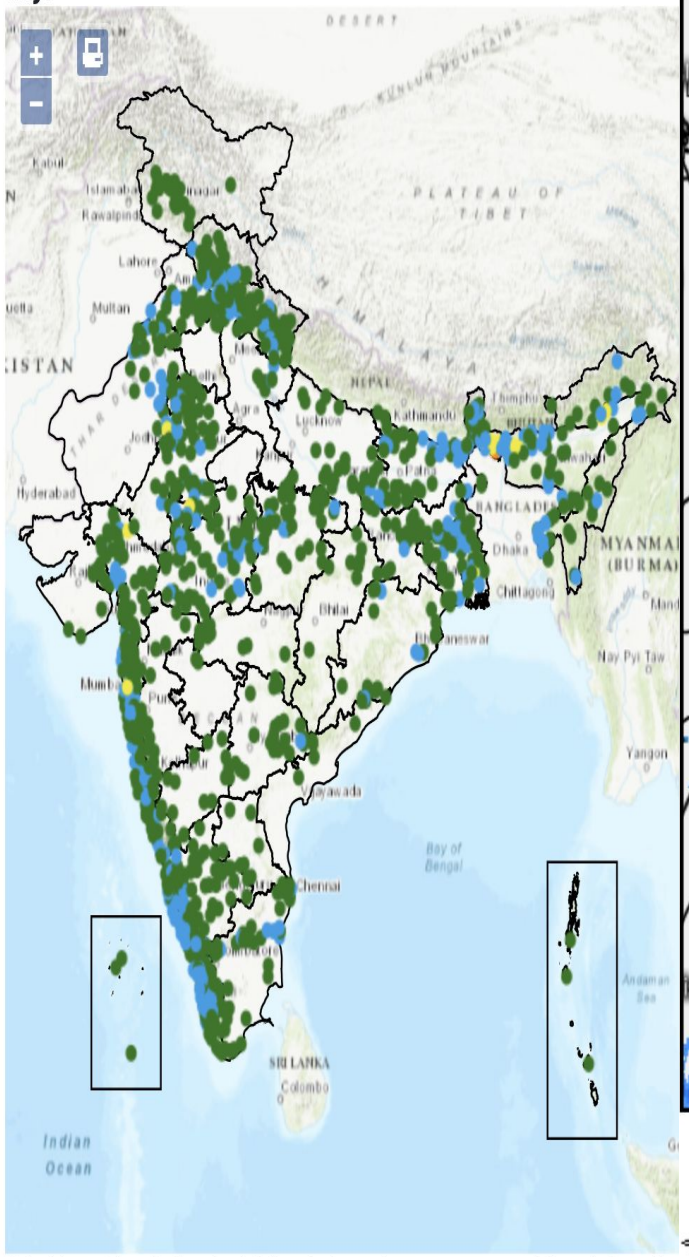

Advance of Southwest Monsoon 2025
Northern Limit of SW Monsoon as on 5 June 2025
60°E
70°E
80°E
90°E
100°E
40°N
30°N
20°N
10°N
0°
N
S
W
E
0 200 400 600 km
30 June
25 June
8 July
5 July
20 June
15 June
10 June
5 June
29 May - 5 June
26-28 May
25 May
24 May
1 June
21-23 May
26 May
19-20 May
22 May
17-18 May
15-16 May
13-14 May
26 May-5 June
Arabian Sea
Bay of Bengal
Lakshadweep
Andaman & Nicobar Island
19-23 May
Indian Ocean
Normal Dates of Onset
Actual Dates of Onset

- [x] Day 1 (08:30 IST 04/6/2025 - 08:30 IST 05/6/2025)
- [ ] Day 2 (08:30 IST 03/6/2025 - 08:30 IST 05/6/2025)
- [ ] Day 3 (08:30 IST 02/6/2025 - 08:30 IST 05/6/2025)
- [ ] Day 4 (08:30 IST 01/6/2025 - 08:30 IST 05/6/2025)
- [ ] Day 5 (08:30 IST 31/5/2025 - 08:30 IST 05/6/2025)
- [ ] Day 6 (08:30 IST 30/5/2025 - 08:30 IST 05/6/2025)
- [ ] Day 7 (08:30 IST 29/5/2025 - 08:30 IST 05/6/2025)

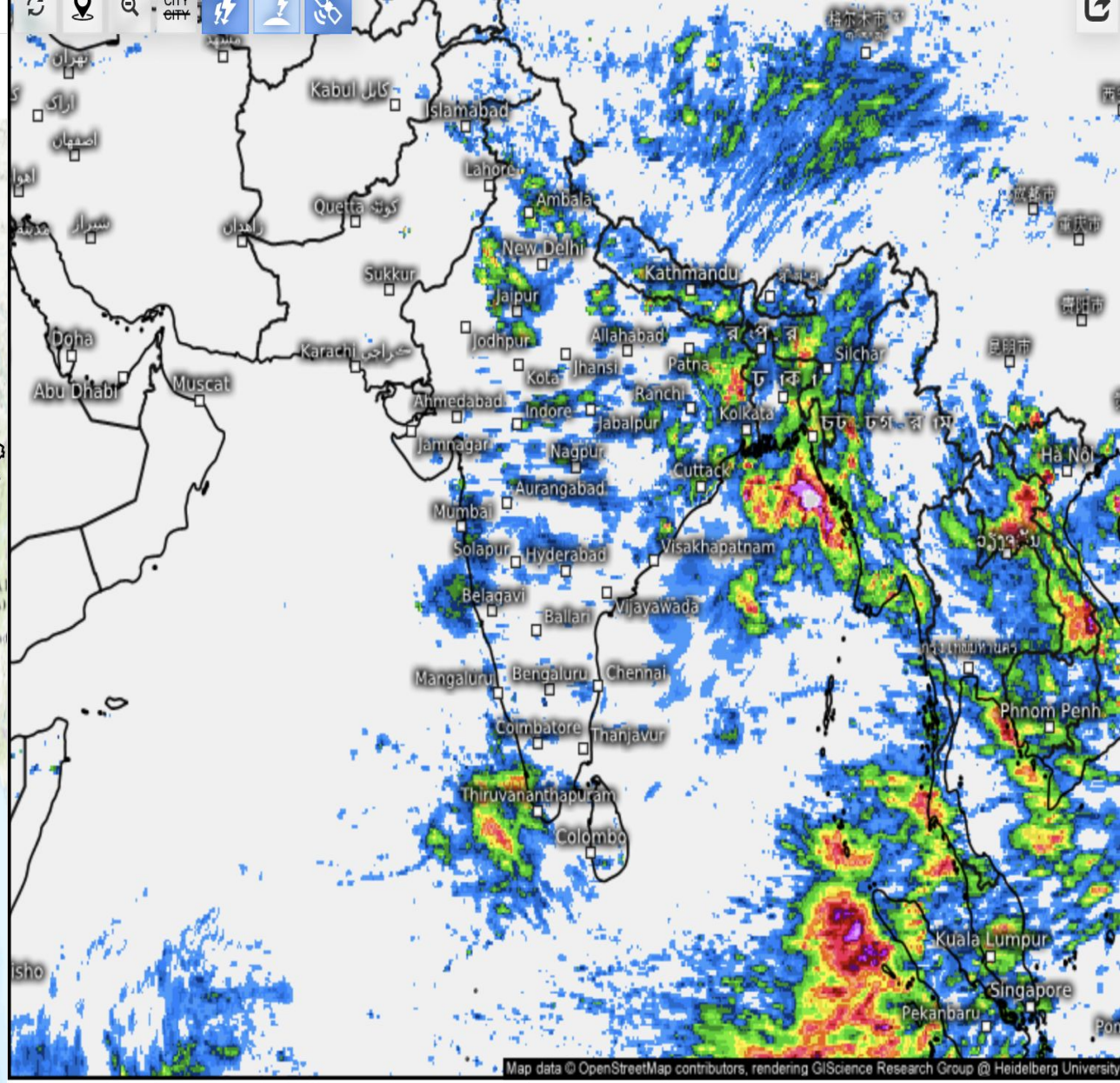
Legend: (Rainfall in mm)

- 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)

Select day: Day1 Day2 Day3 Day4 Day5 Day6 Day7

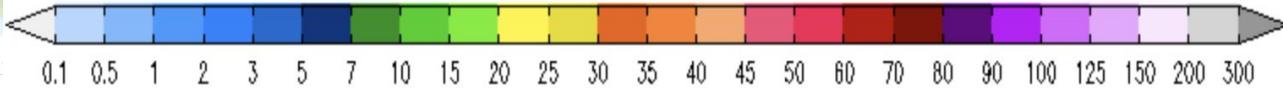


"Disclaimer: The displayed rainfall analysis products are generated directly from the



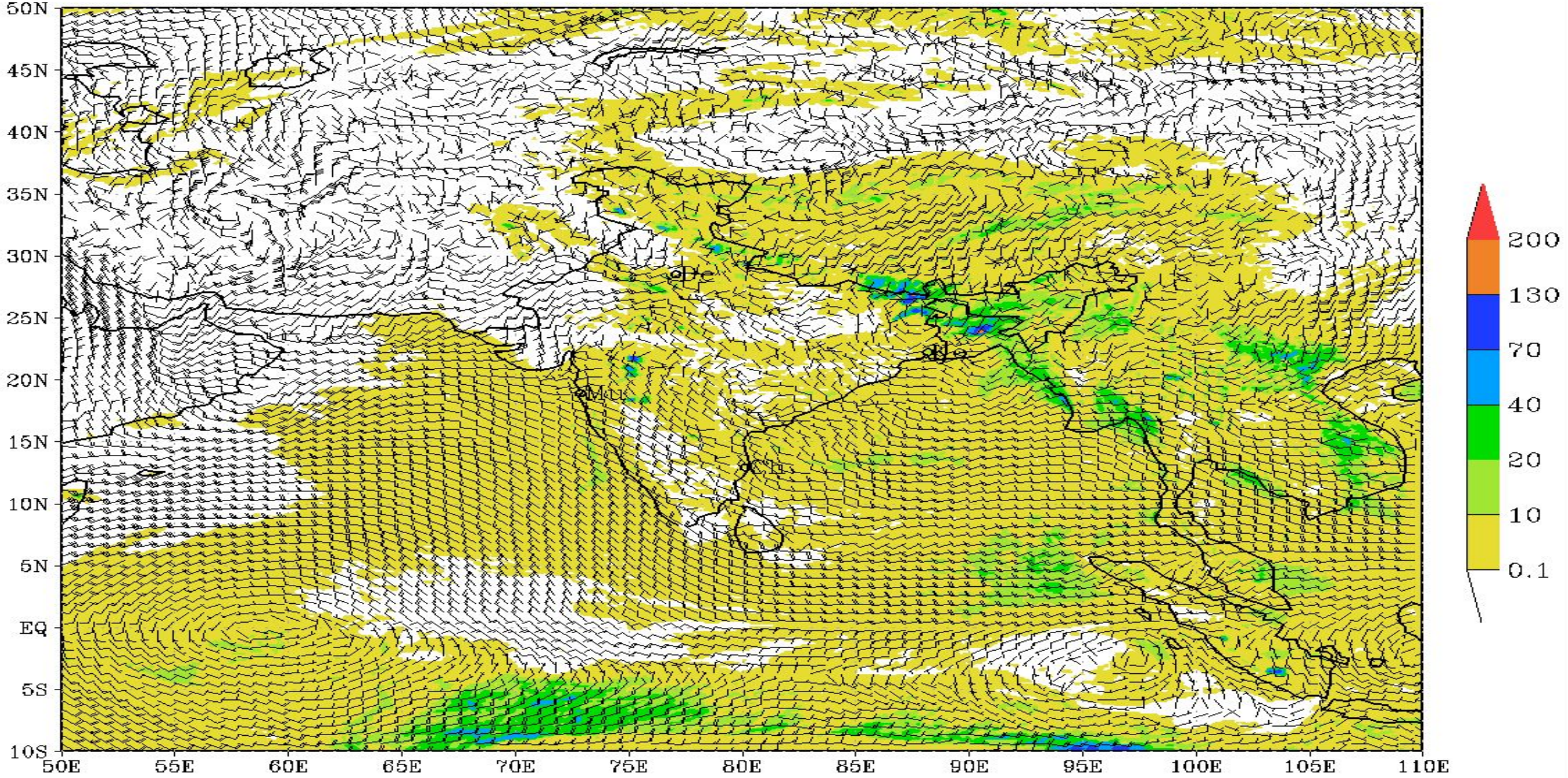
Accumulated Precipitation, 24h (Satellite) (mm)

Thu 06/05/2025, 05:30am IST



IMD :BharatFS(6 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (24 HR)

based on 00 UTC of 04-06-2025 valid for 03 UTC of 05-06-2025



(Background does not depict political boundary)

Day 2 (08:30 IST 03/6/2025 - 08:30 IST 05/6/2025)

Day 3 (08:30 IST 02/6/2025 - 08:30 IST 05/6/2025)

Day 4 (08:30 IST 01/6/2025 - 08:30 IST 05/6/2025)

Day 5 (08:30 IST 31/5/2025 - 08:30 IST 05/6/2025)

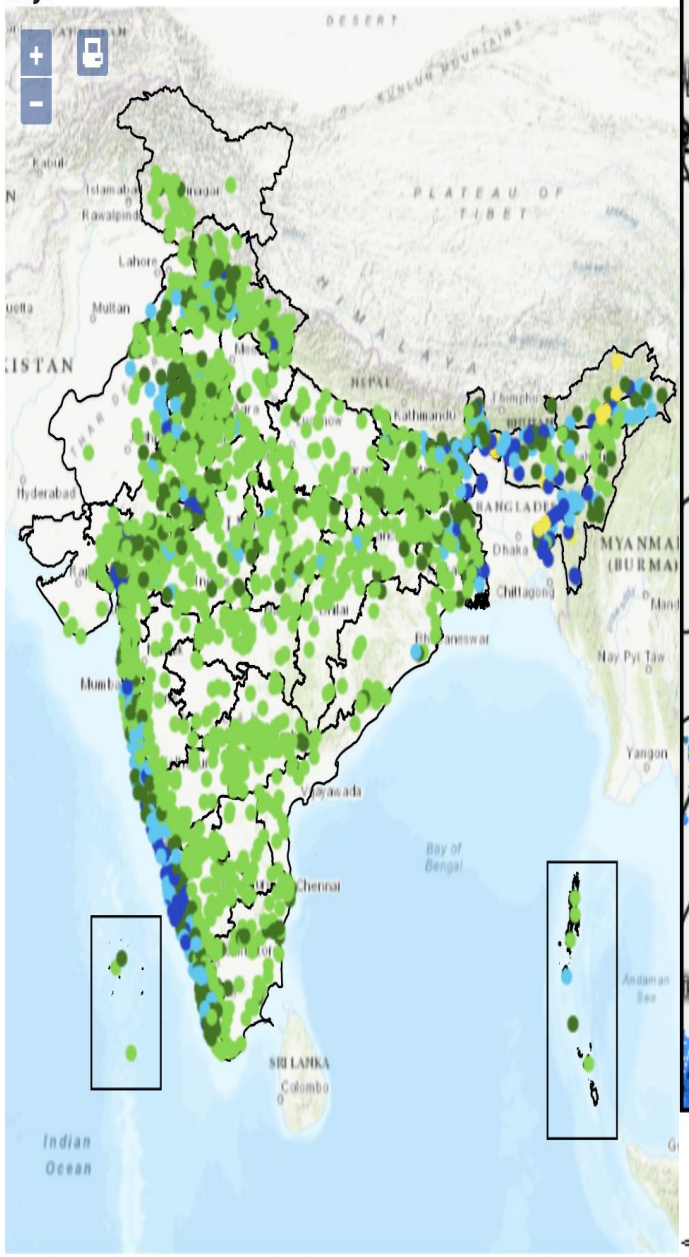
Day 6 (08:30 IST 30/5/2025 - 08:30 IST 05/6/2025)

Day 7 (08:30 IST 29/5/2025 - 08:30 IST 05/6/2025)

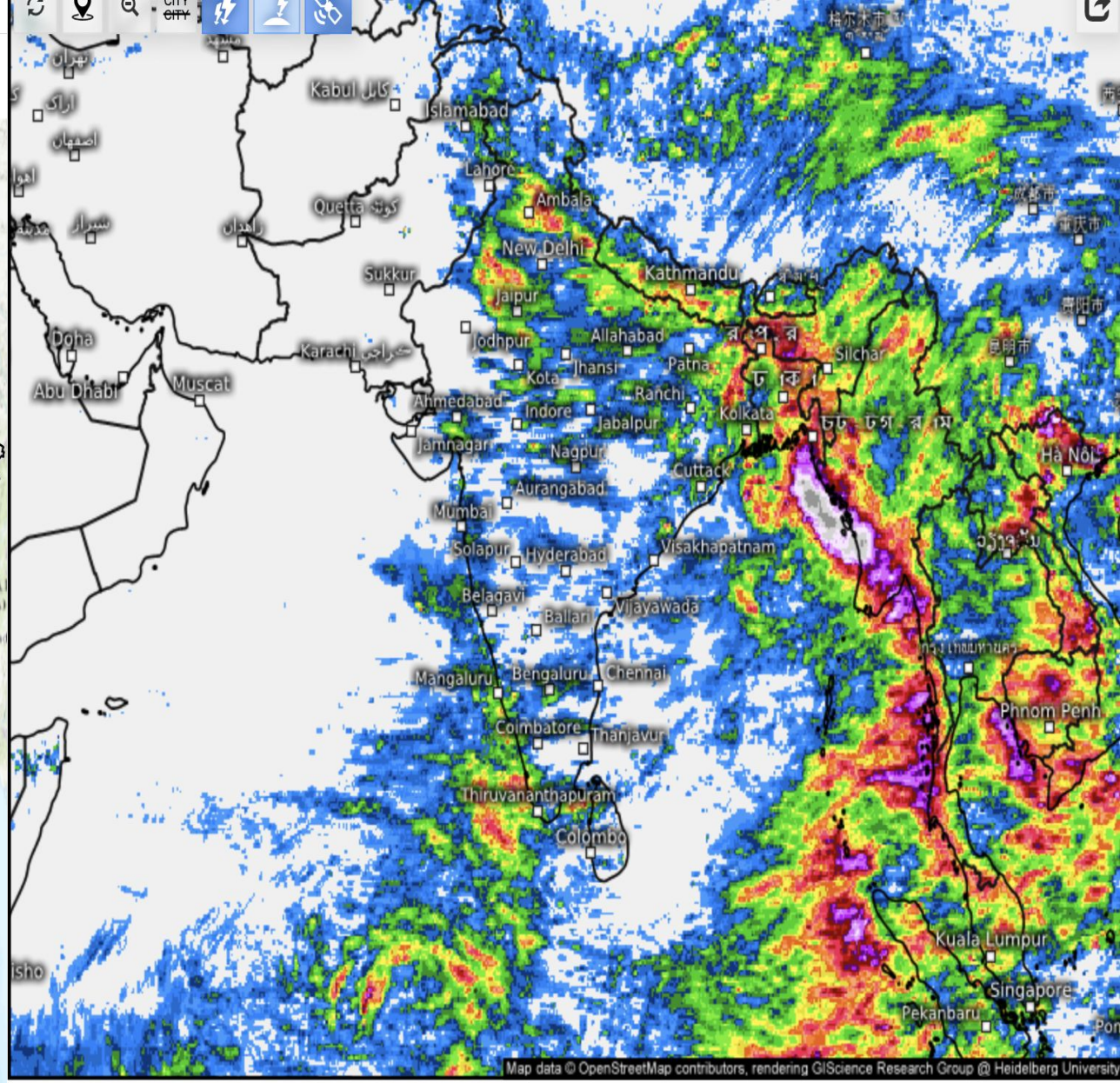
Legend: (Rainfall in mm)

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

Select day: Day1 Day2 Day3 Day4 Day5 Day6 Day7

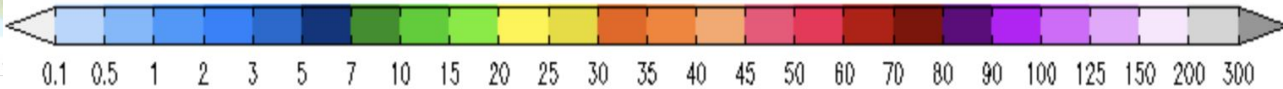


"Disclaimer: The displayed rainfall analysis products are generated directly from the



Accumulated Precipitation, 72h (Satellite) (mm)

Thu 06/05/2025, 05:30am IST



Day 2 (08:30 IST 03/6/2025 - 08:30 IST 05/6/2025)

Day 3 (08:30 IST 02/6/2025 - 08:30 IST 05/6/2025)

Day 4 (08:30 IST 01/6/2025 - 08:30 IST 05/6/2025)

Day 5 (08:30 IST 31/5/2025 - 08:30 IST 05/6/2025)

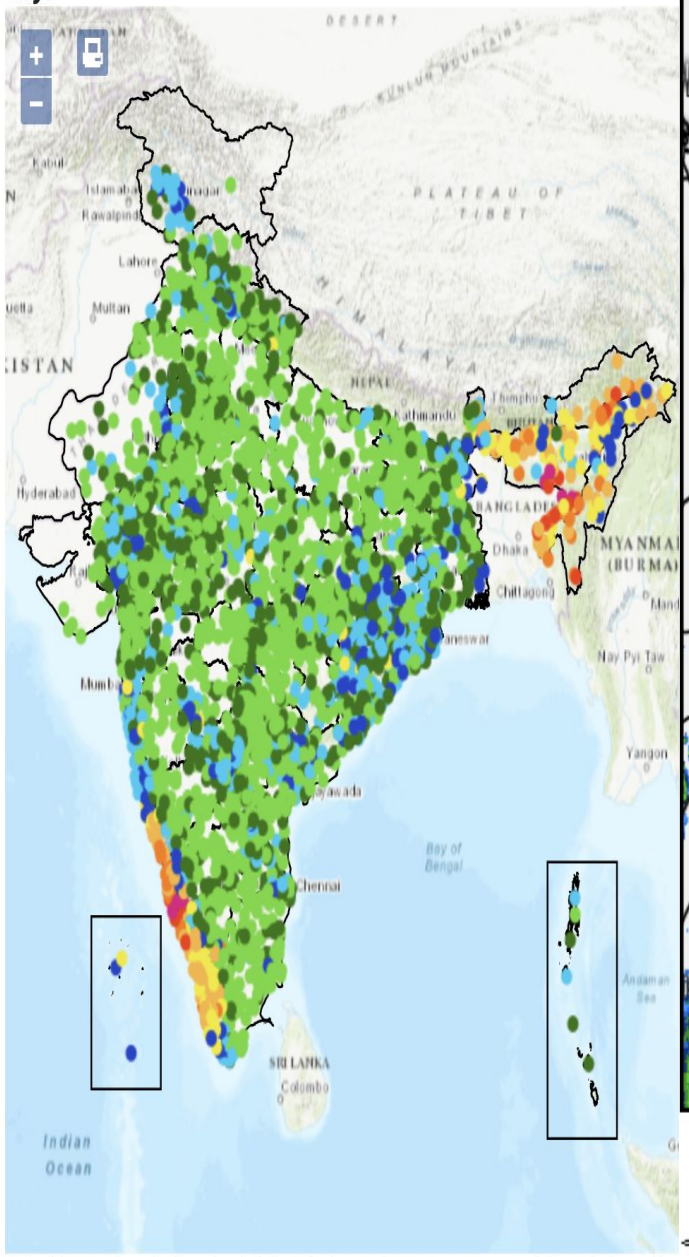
Day 6 (08:30 IST 30/5/2025 - 08:30 IST 05/6/2025)

Day 7 (08:30 IST 29/5/2025 - 08:30 IST 05/6/2025)

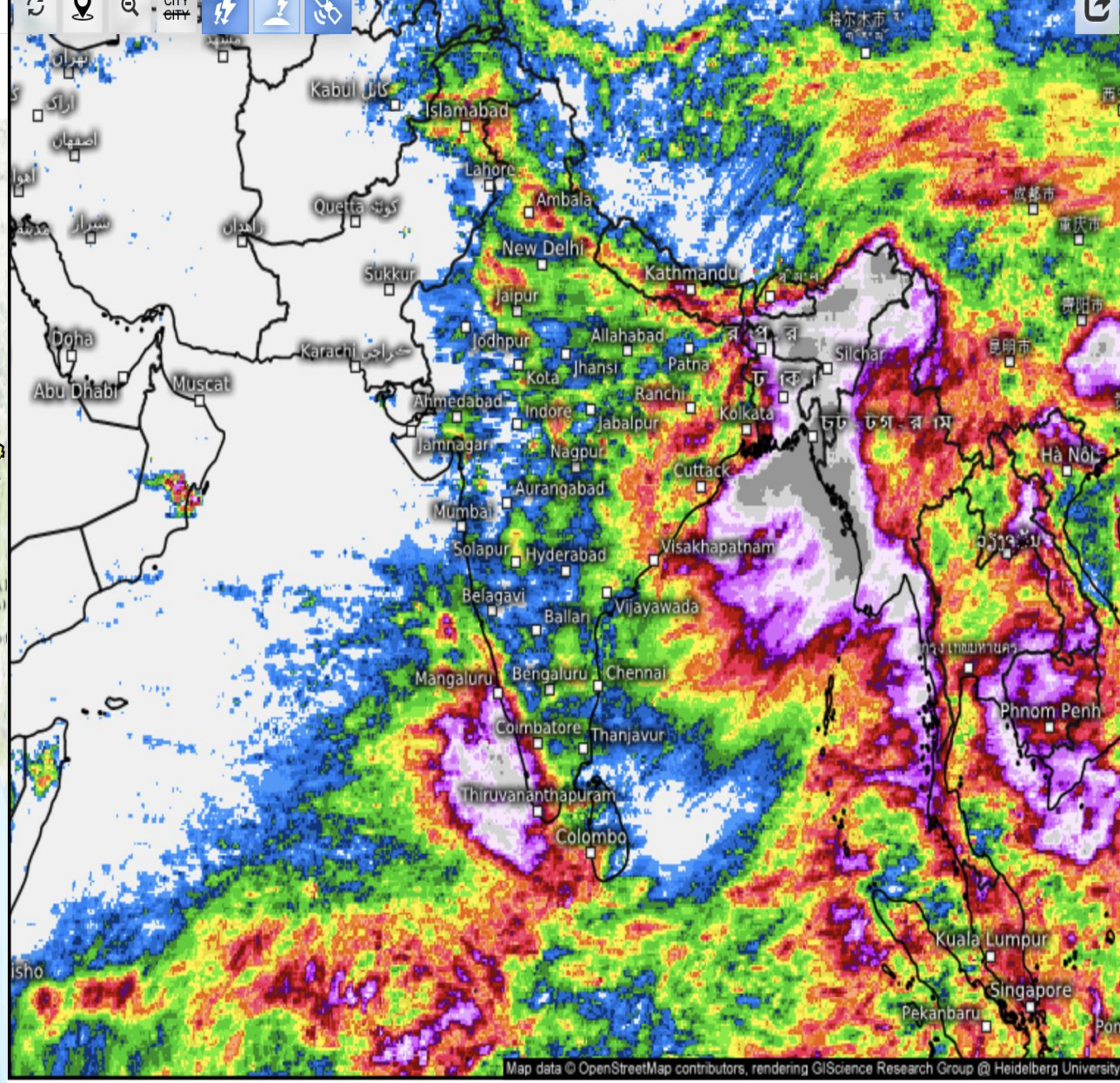
Legend: (Rainfall in mm)

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

Select day: Day1 Day2 Day3 Day4 Day5 Day6 Day7

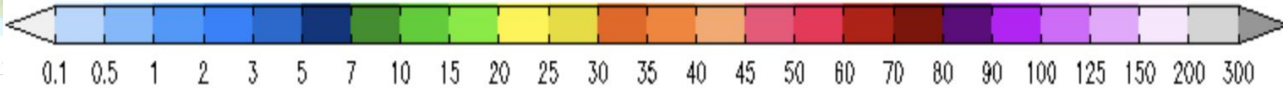


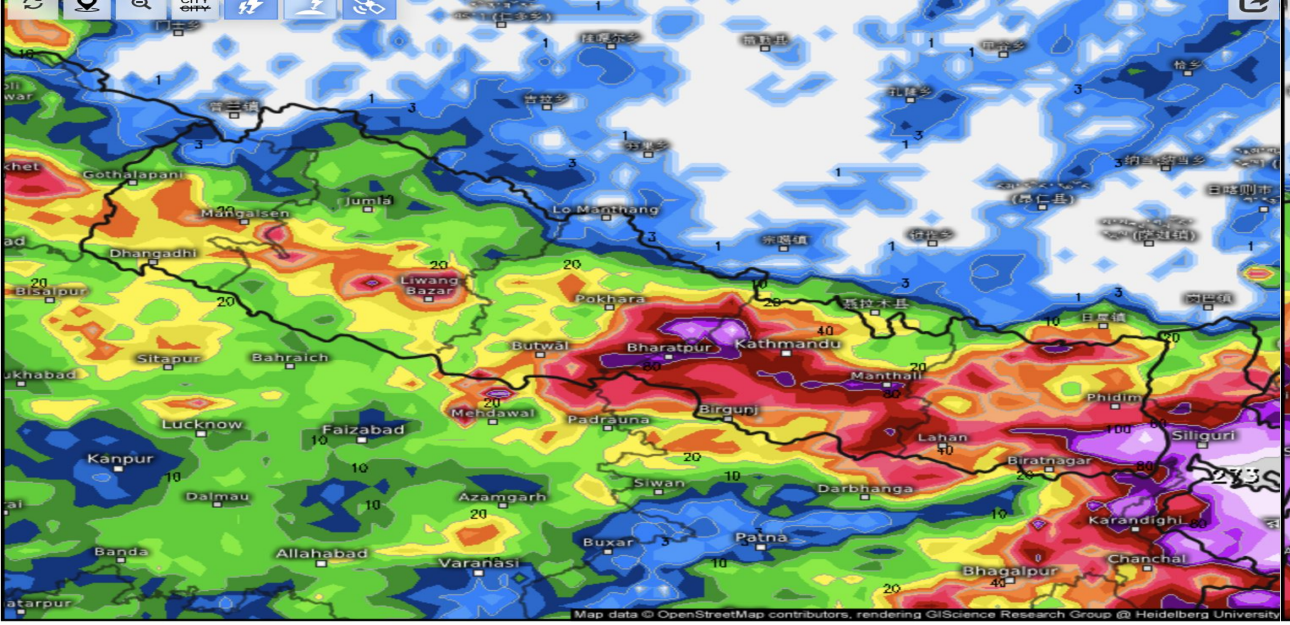
"Disclaimer: The displayed rainfall analysis products are generated directly from the



Accumulated Precipitation, 7 days (Satellite) (mm)

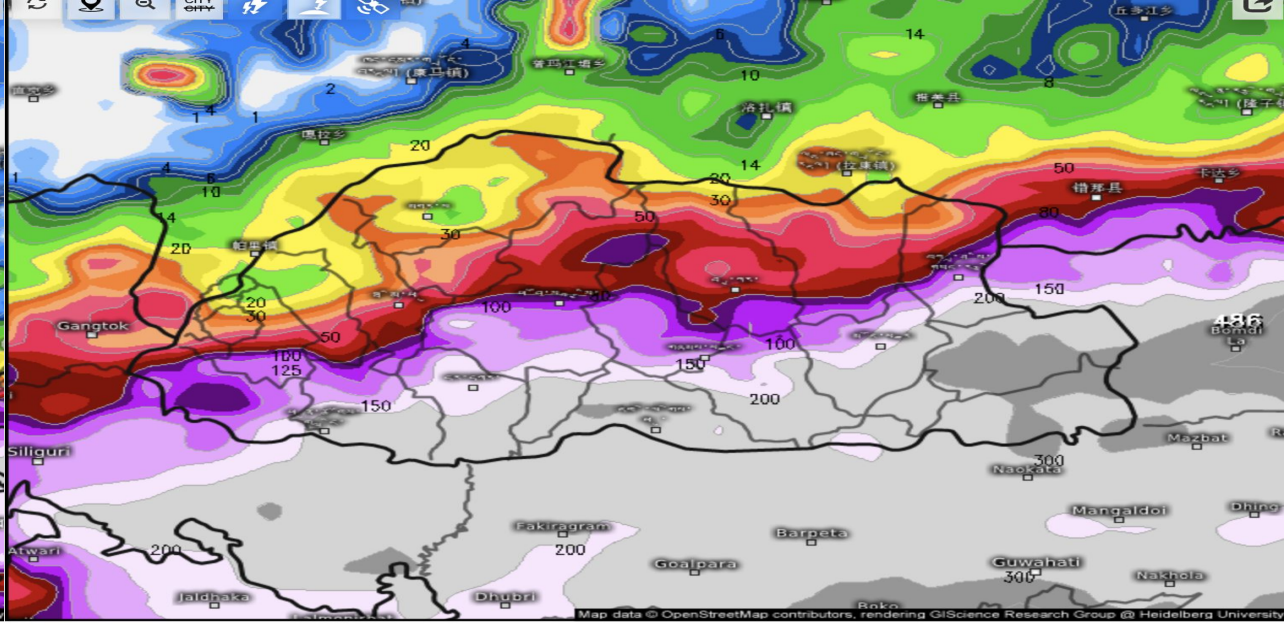
Thu 06/05/2025, 05:30am IST





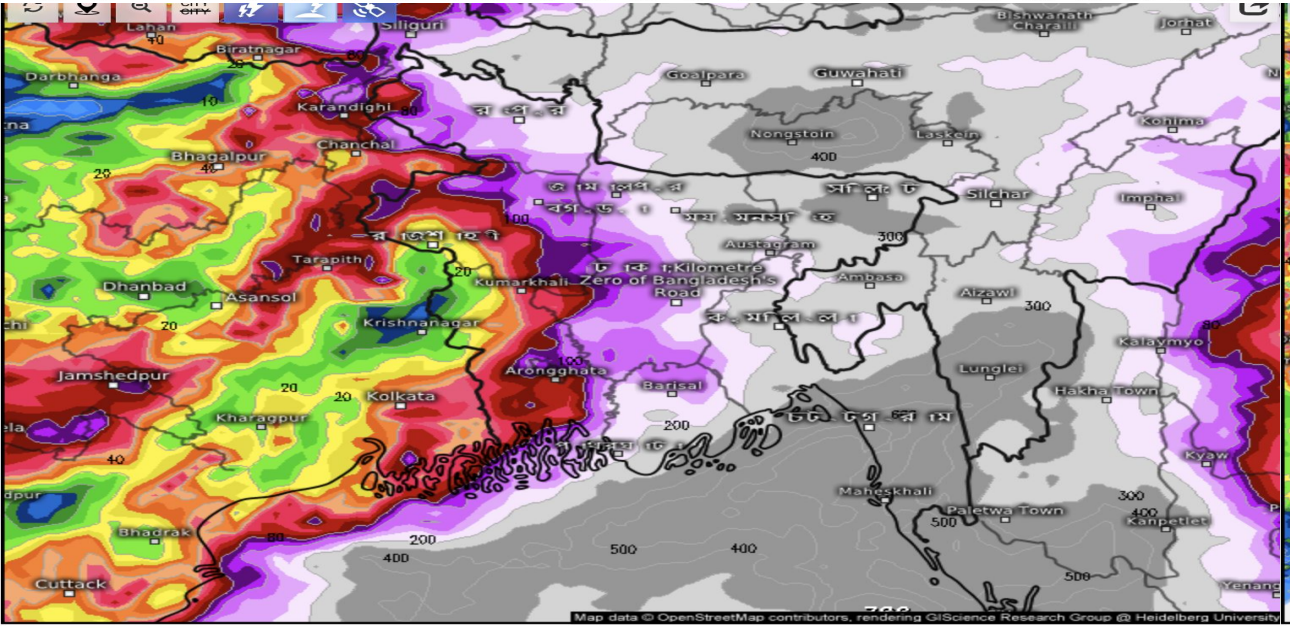
Accumulated Precipitation, 7 days (Satellite) (mm) Thu 06/05/2025, 05:30am IST

0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300



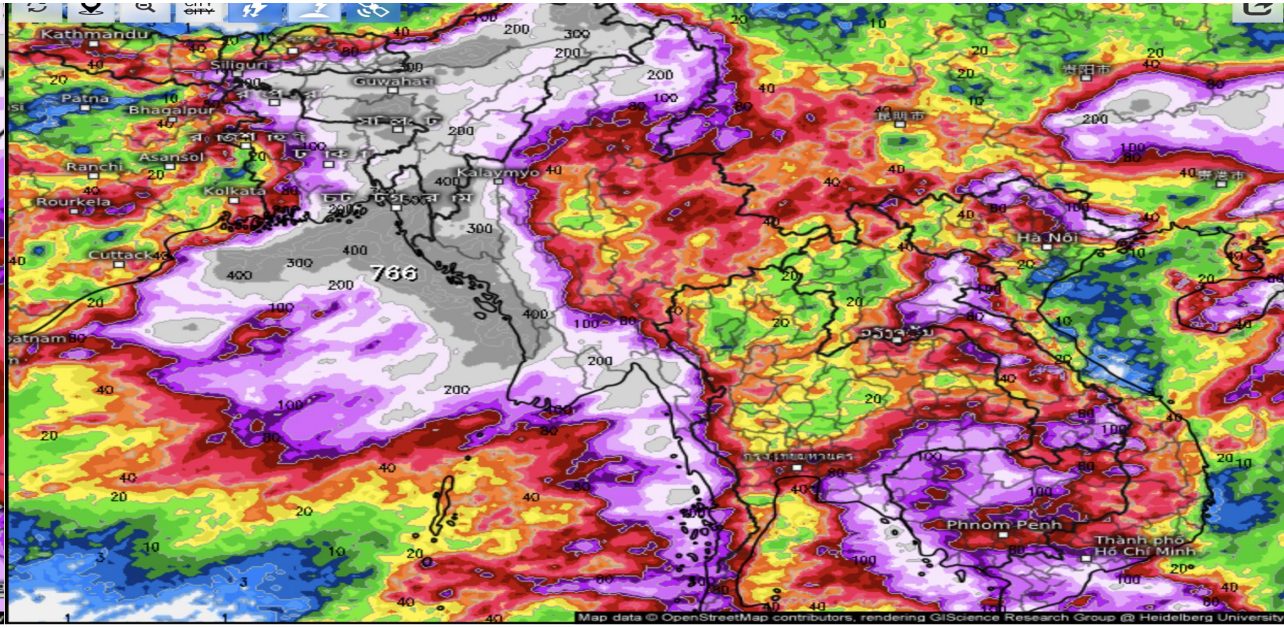
Accumulated Precipitation, 7 days (Satellite) (mm) Thu 06/05/2025, 05:30am IST

0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300



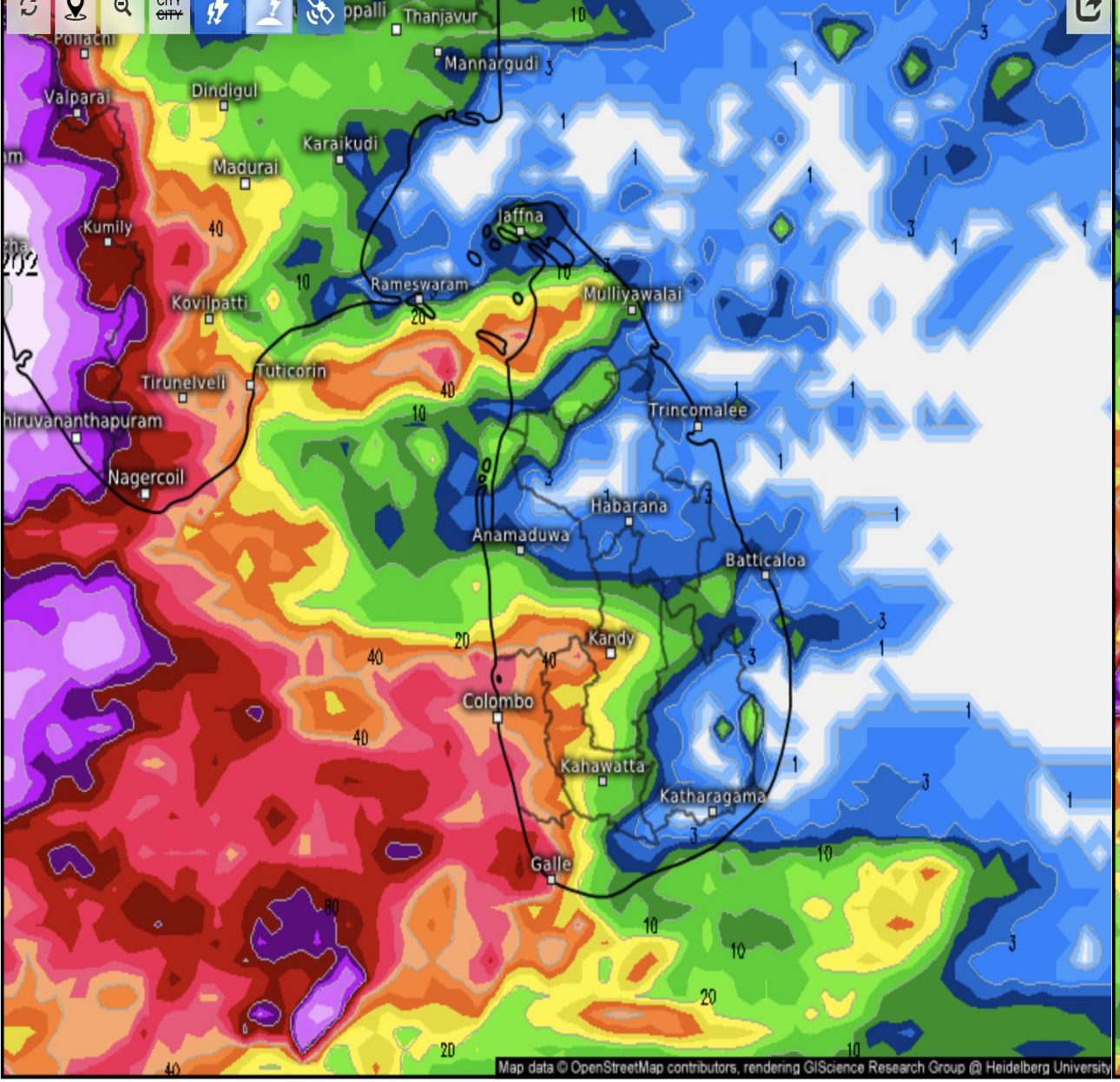
Accumulated Precipitation, 7 days (Satellite) (mm) Thu 06/05/2025, 05:30am IST

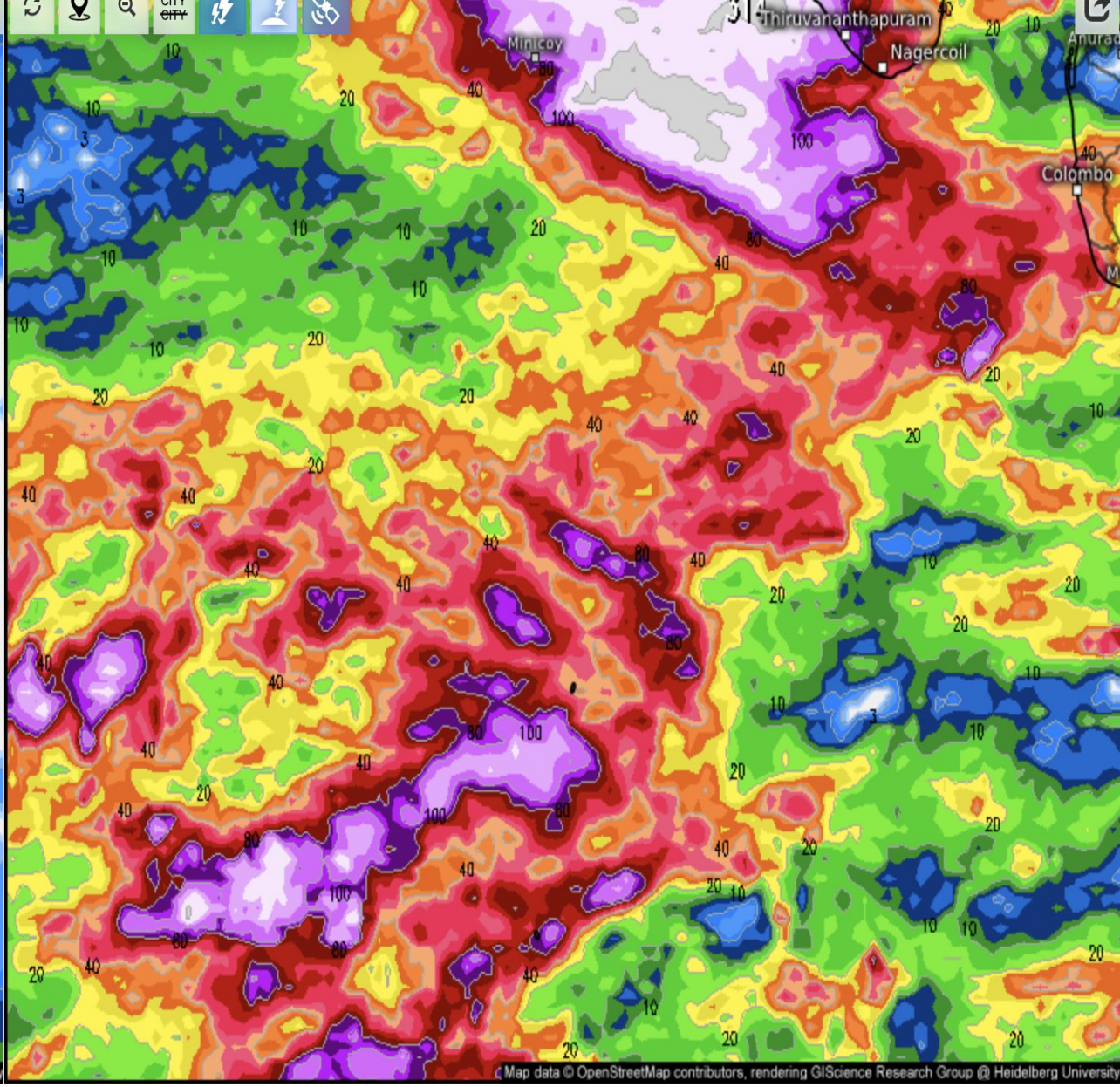
0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300



Accumulated Precipitation, 7 days (Satellite) (mm) Thu 06/05/2025, 05:30am IST

0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300





Accumulated Precipitation, 7 days (Satellite) (mm)

Thu 06/05/2025, 05:30am IST

0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300

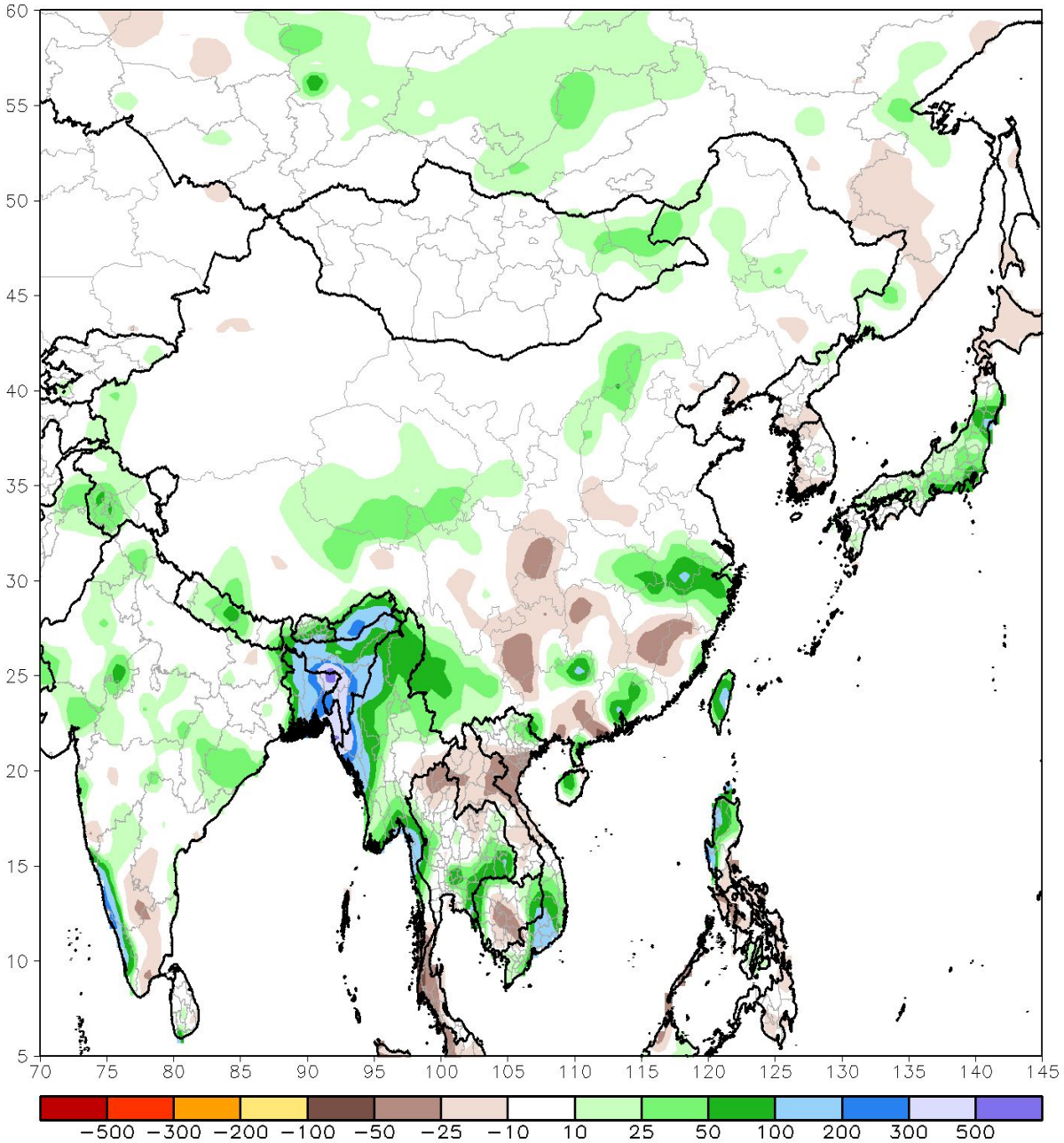
Accumulated Precipitation, 7 days (Satellite) (mm)

Thu 06/05/2025, 05:30am IST

0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300

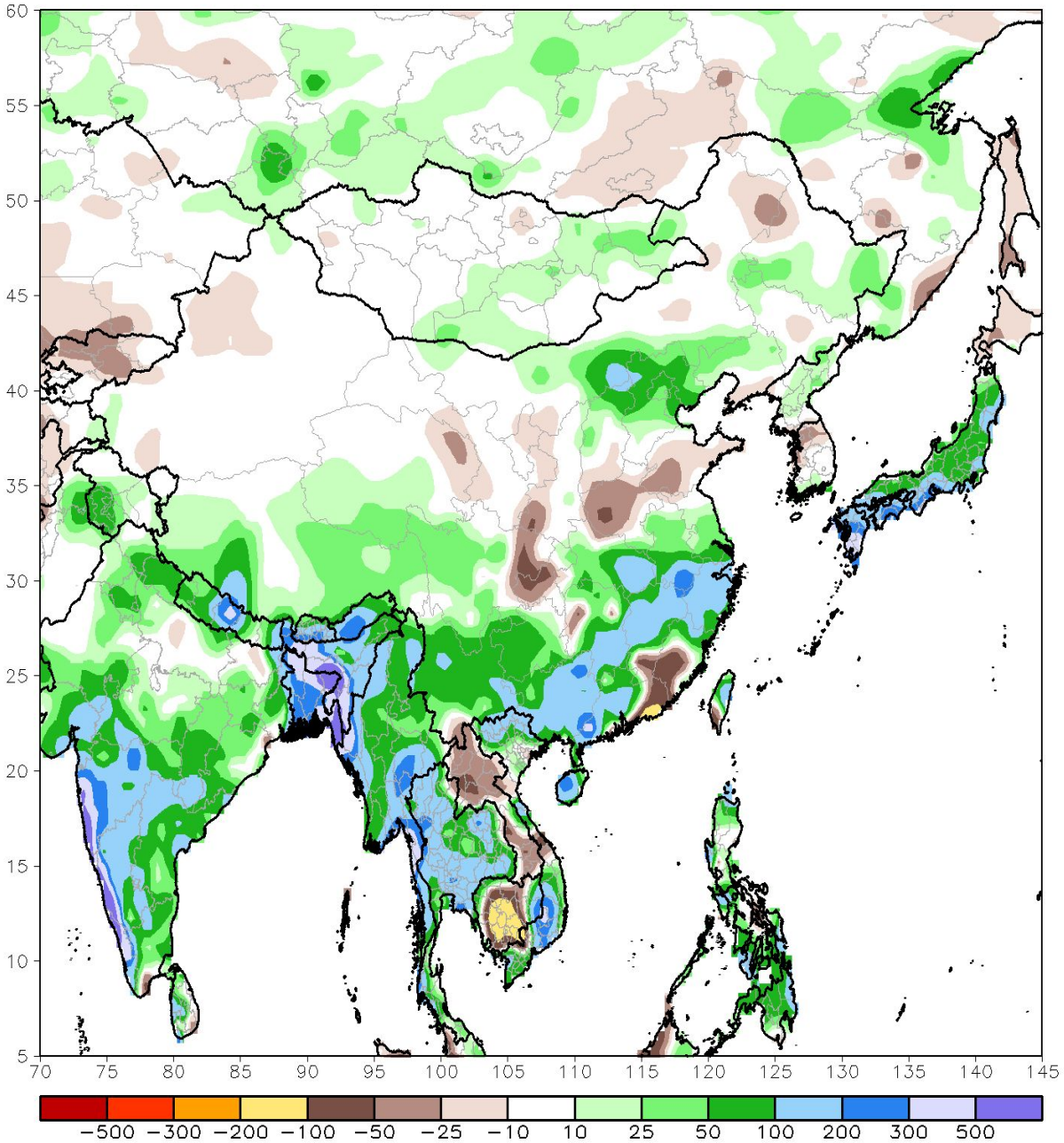
CPC Unified Gauge 7-Day Total Rainfall Anomaly (mm)

Period: 28May2025 - 03Jun2025

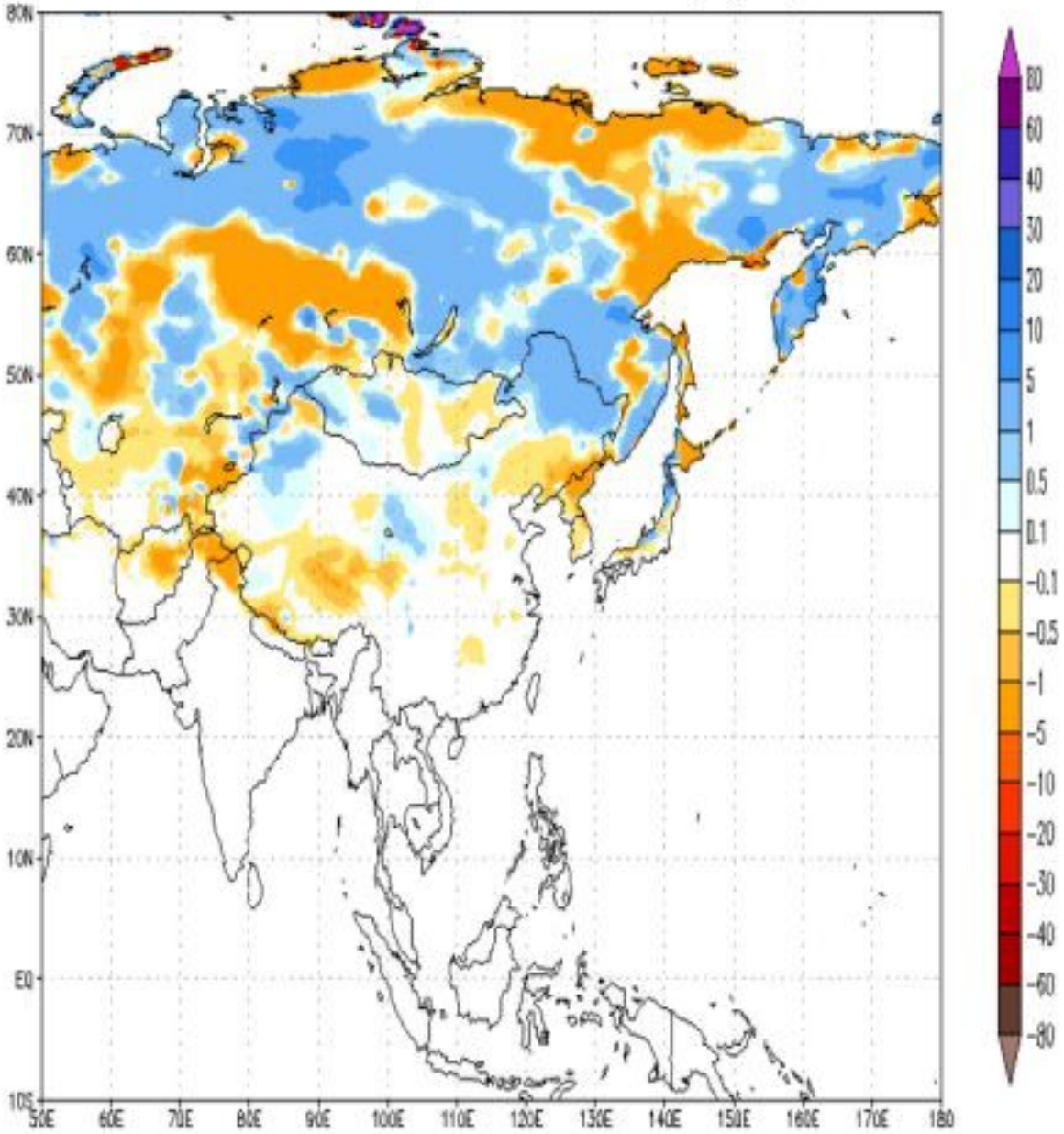


CPC Unified Gauge 30-Day Total Rainfall Anomaly (mm)

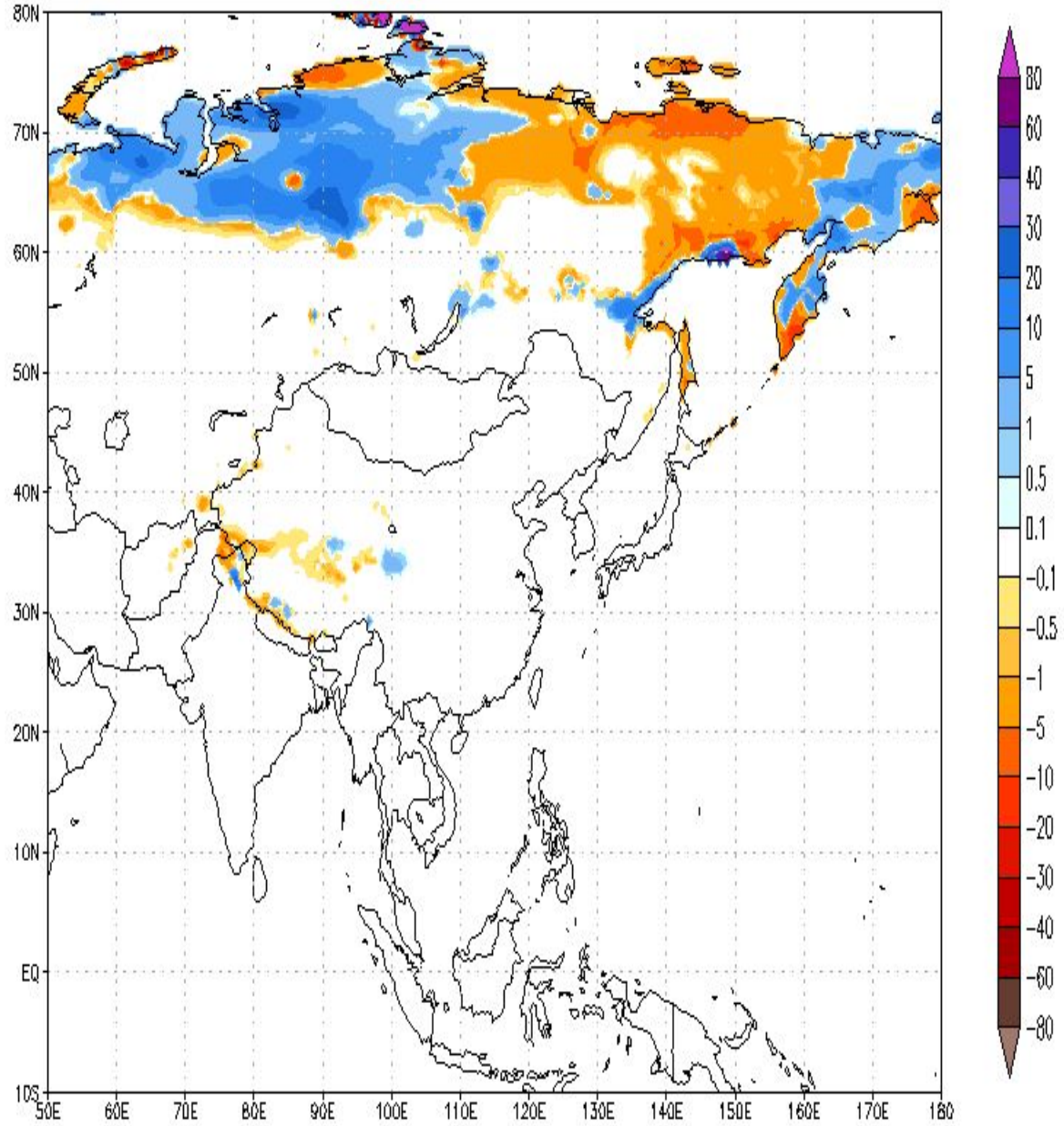
Period: 05May2025 - 03Jun2025



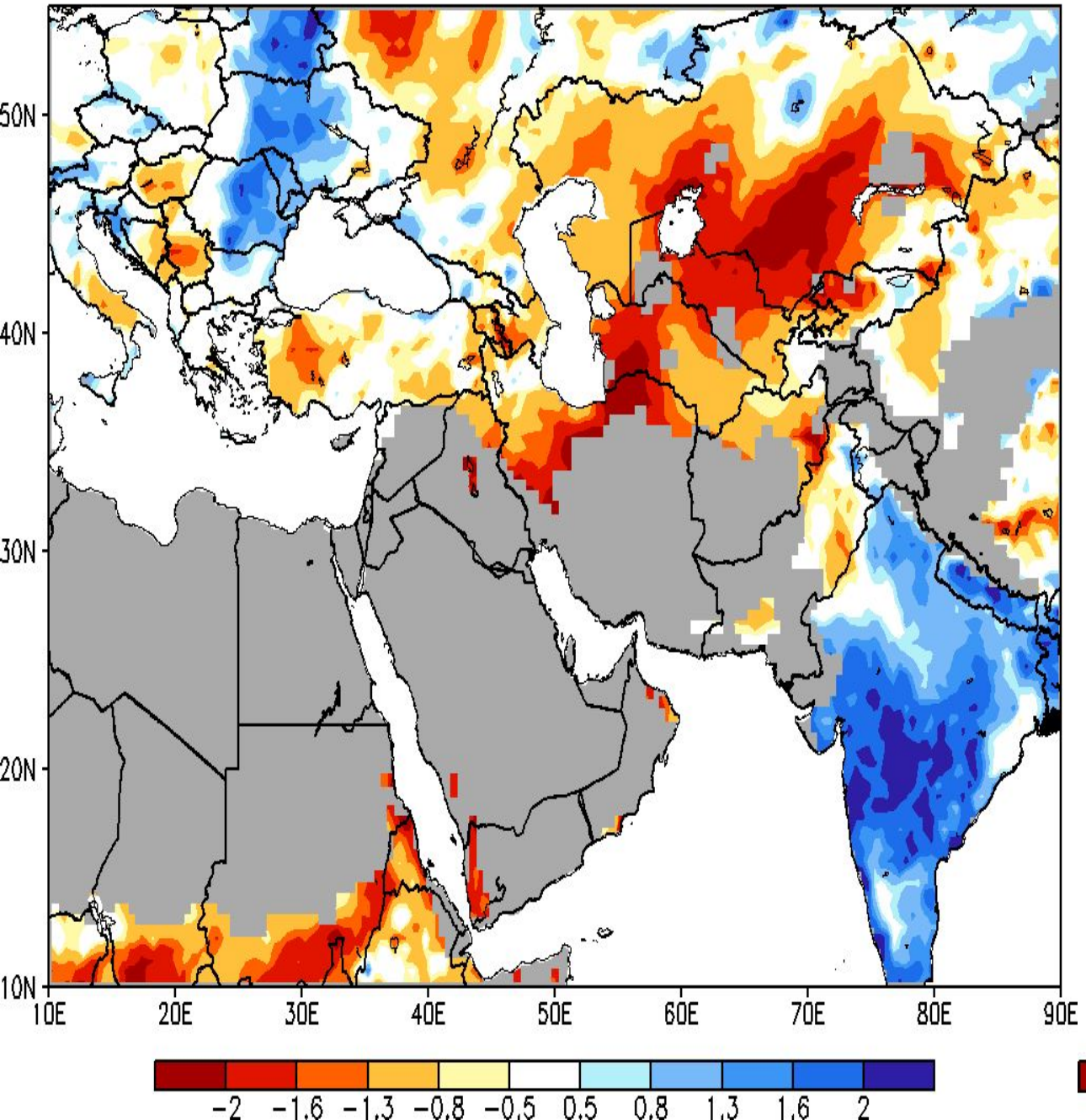
Calculated Snow Water Equivalent Anomaly (cm) 20241224



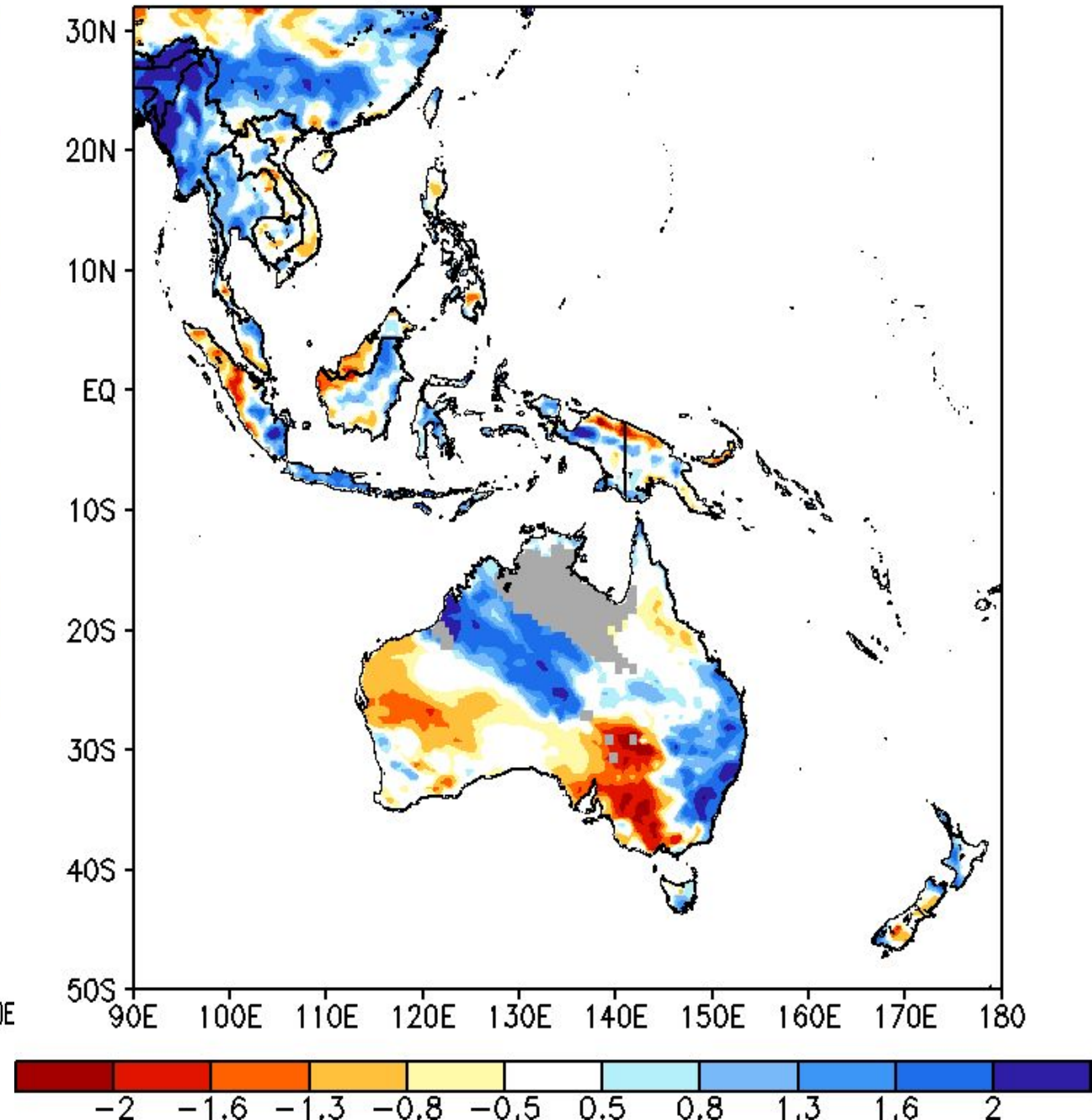
Calculated Snow Water Equivalent Anomaly (cm) 20250603



CMORPH ADJ 00Z SPEI 1mo
04 May 2025 – 02 June 2025



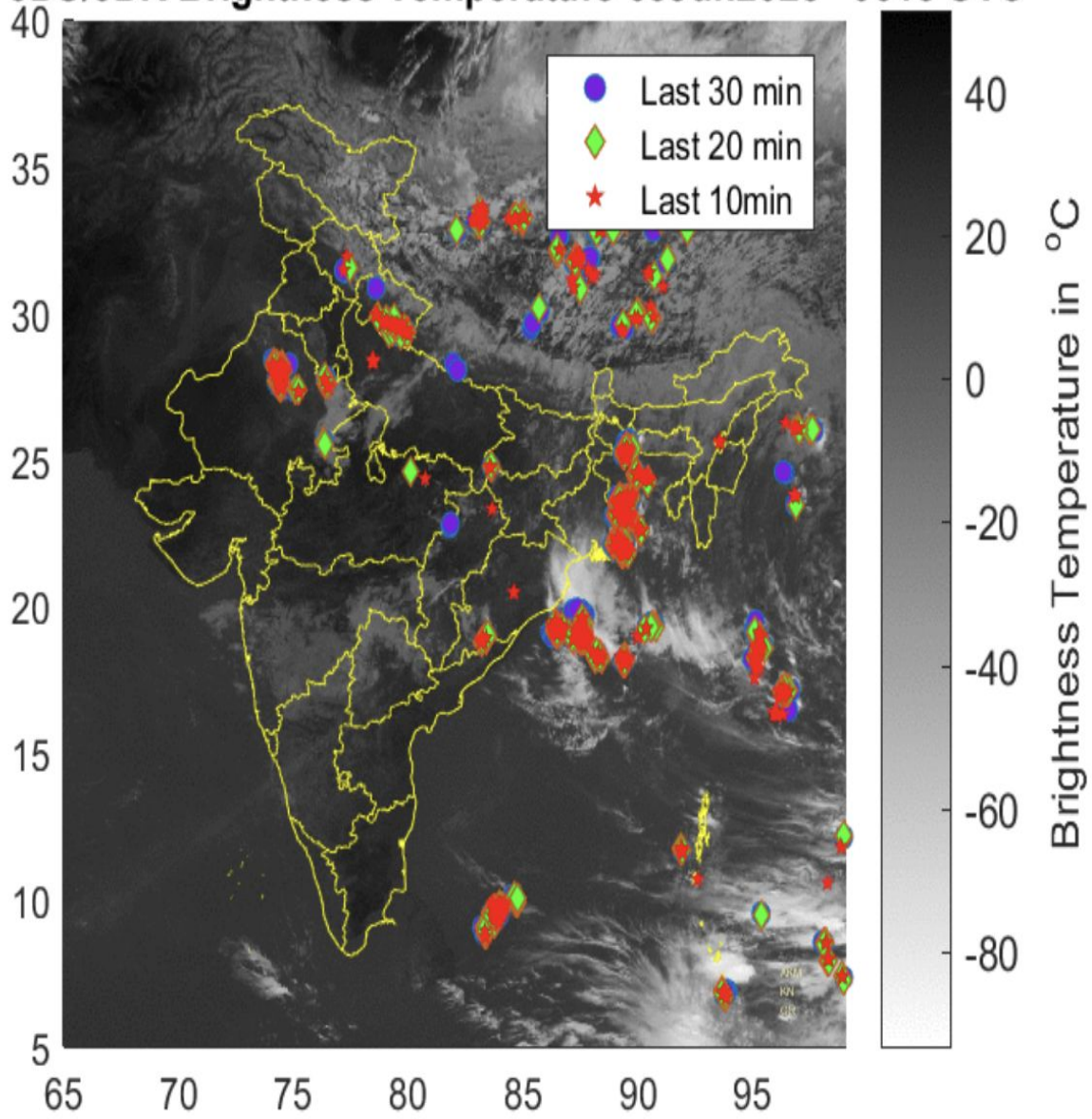
CMORPH ADJ 00Z SPEI 1mo
04 May 2025 – 02 June 2025

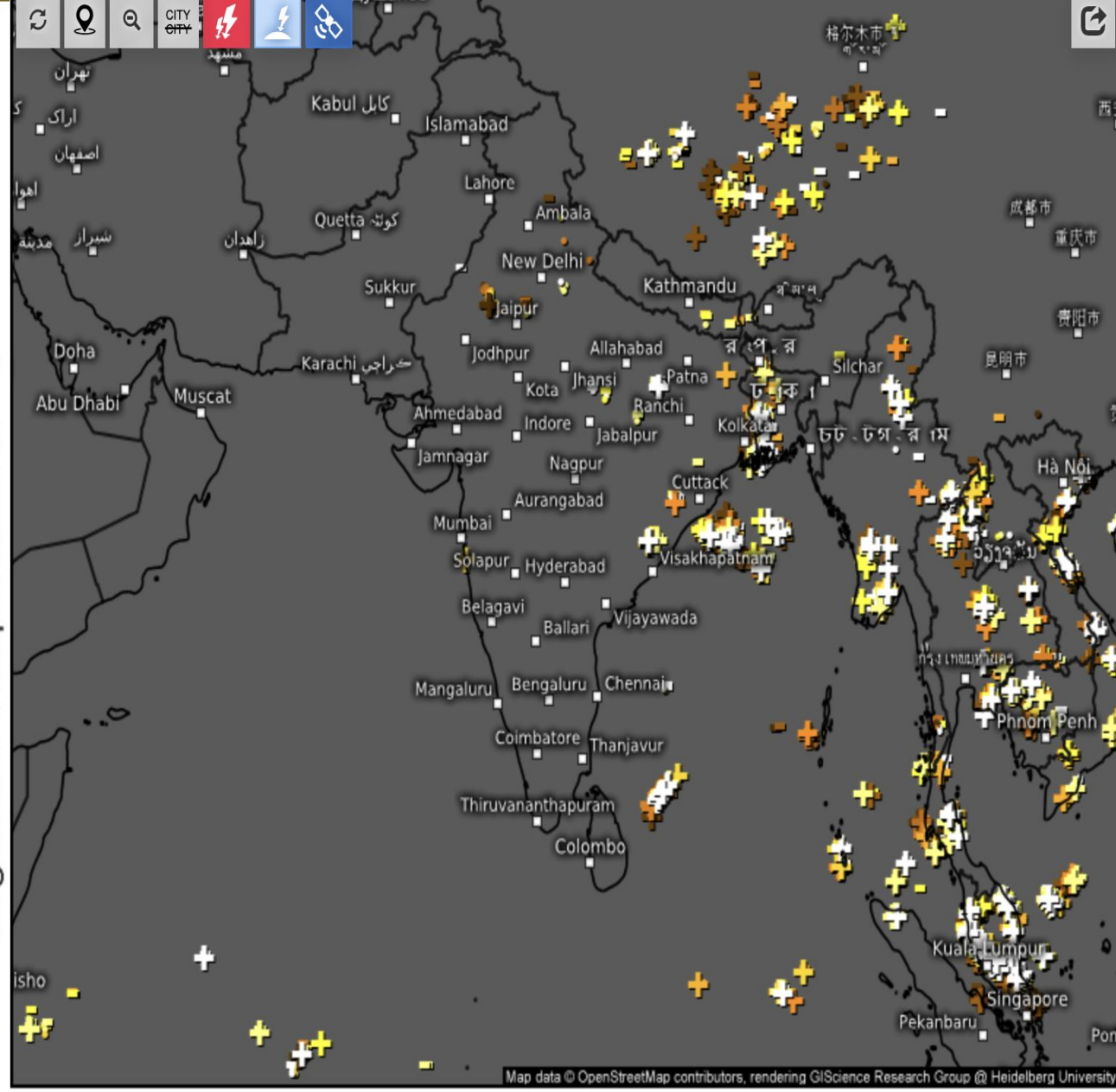


INDIA METEOROLOGICAL DEPARTMENT

Lightning : 05Jun2025 0640 UTC

INSAT 3DS/3DR Brightness Temperature 05Jun2025 0615 UTC

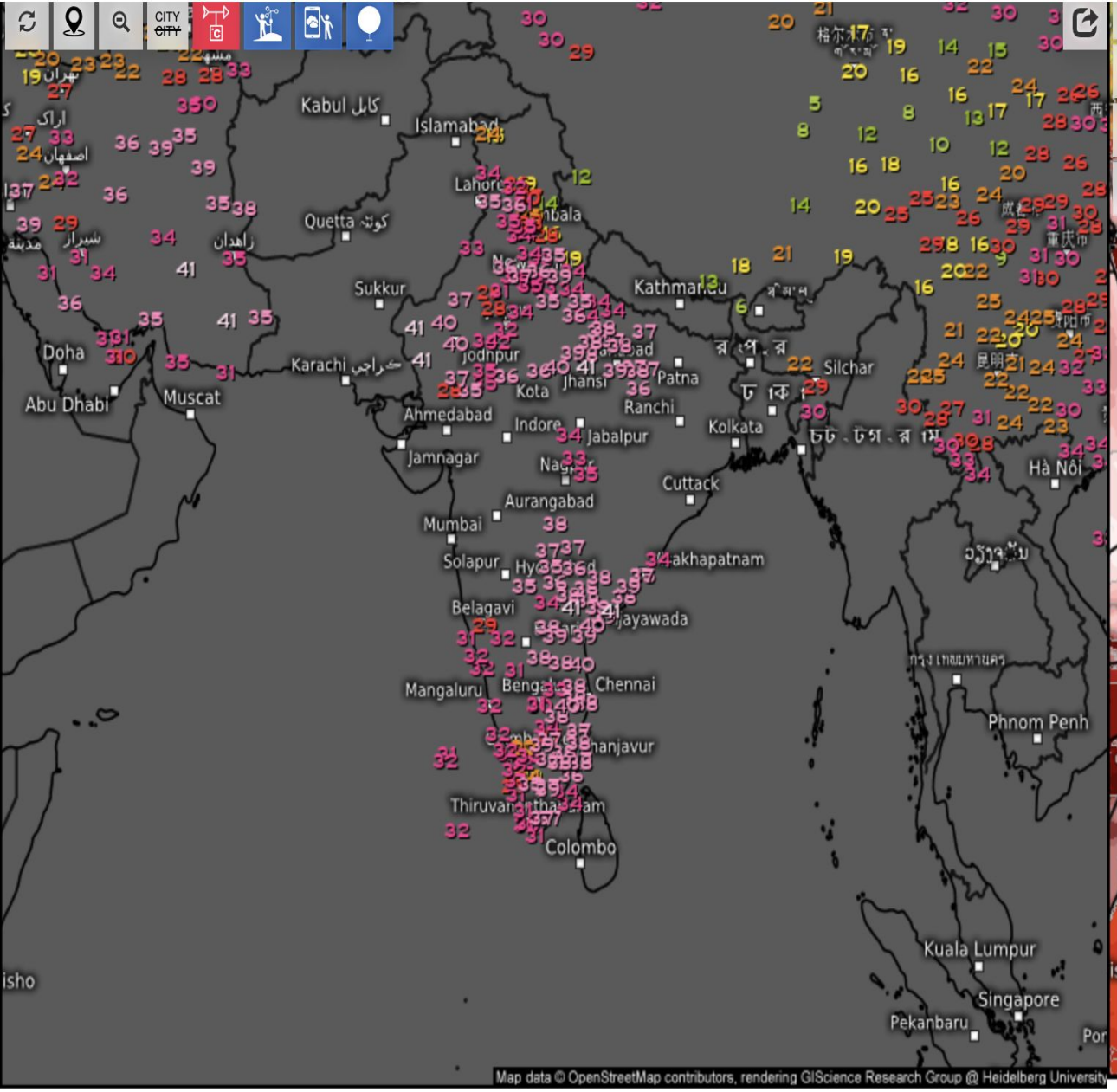


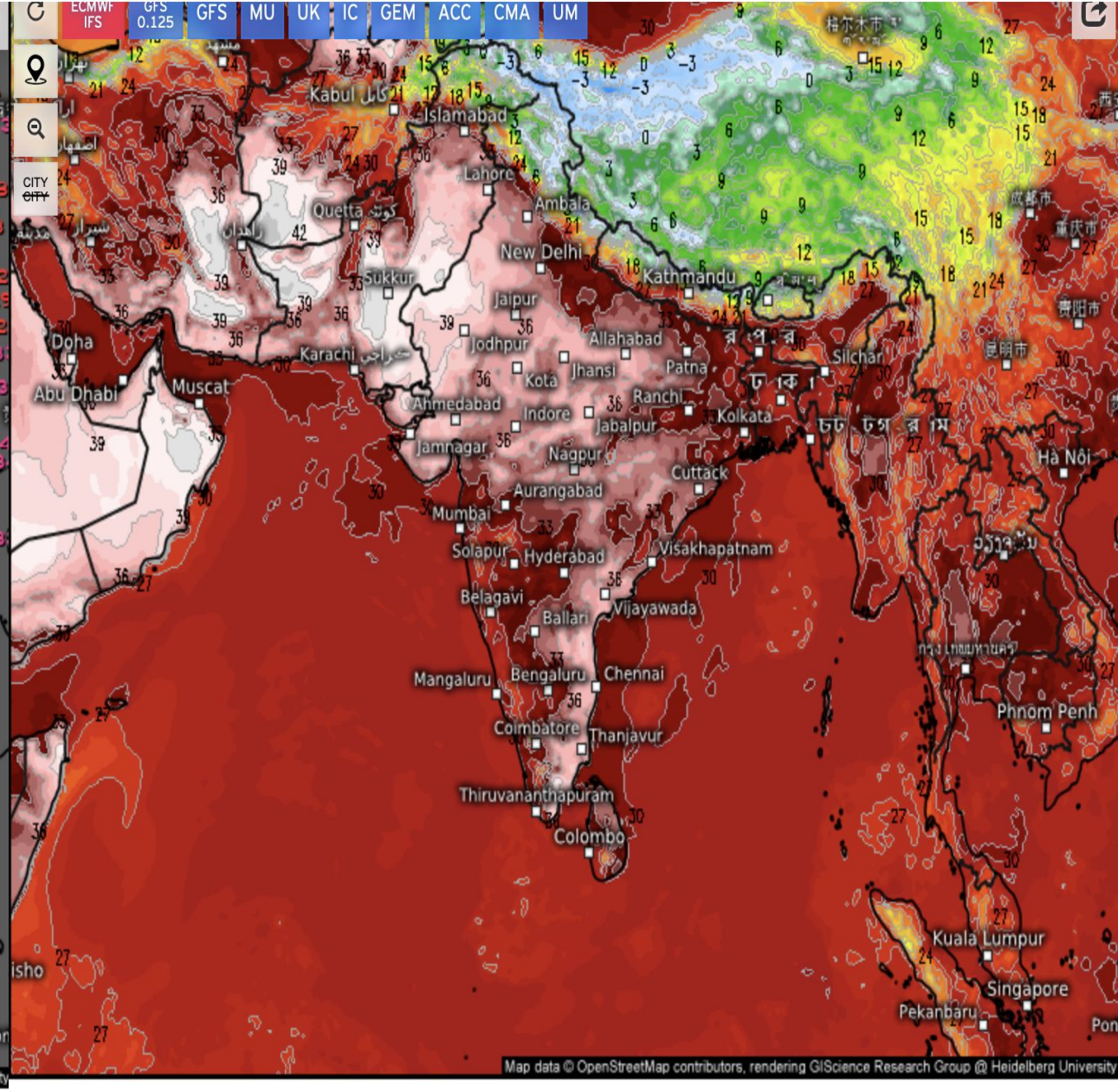


Age of lightning (minutes)

Thu 06/05/2025, 12:35pm IST

0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60





Max. temperature, 12h (°C)

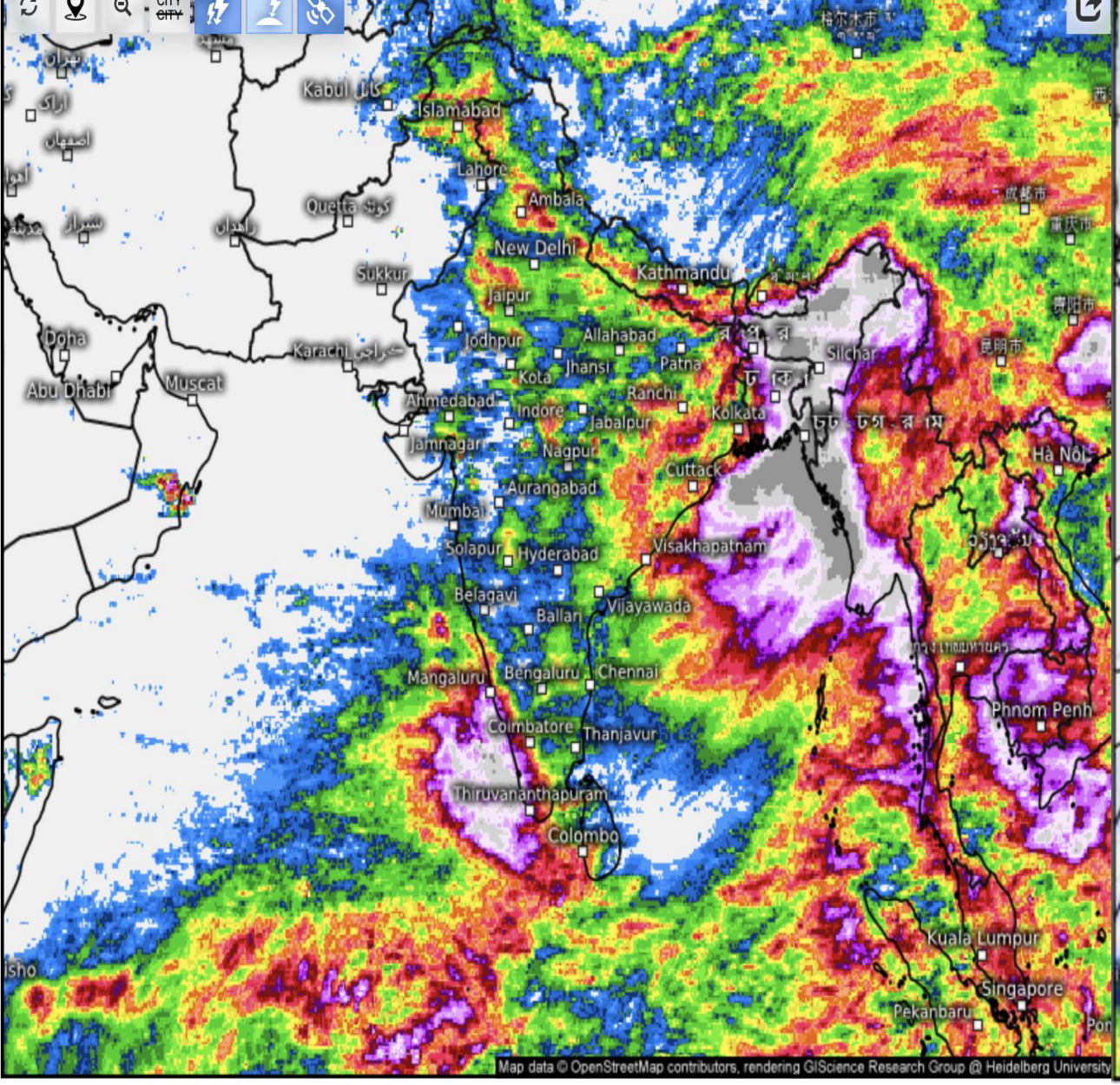
Thu 06/05/2025, 08:30am IST

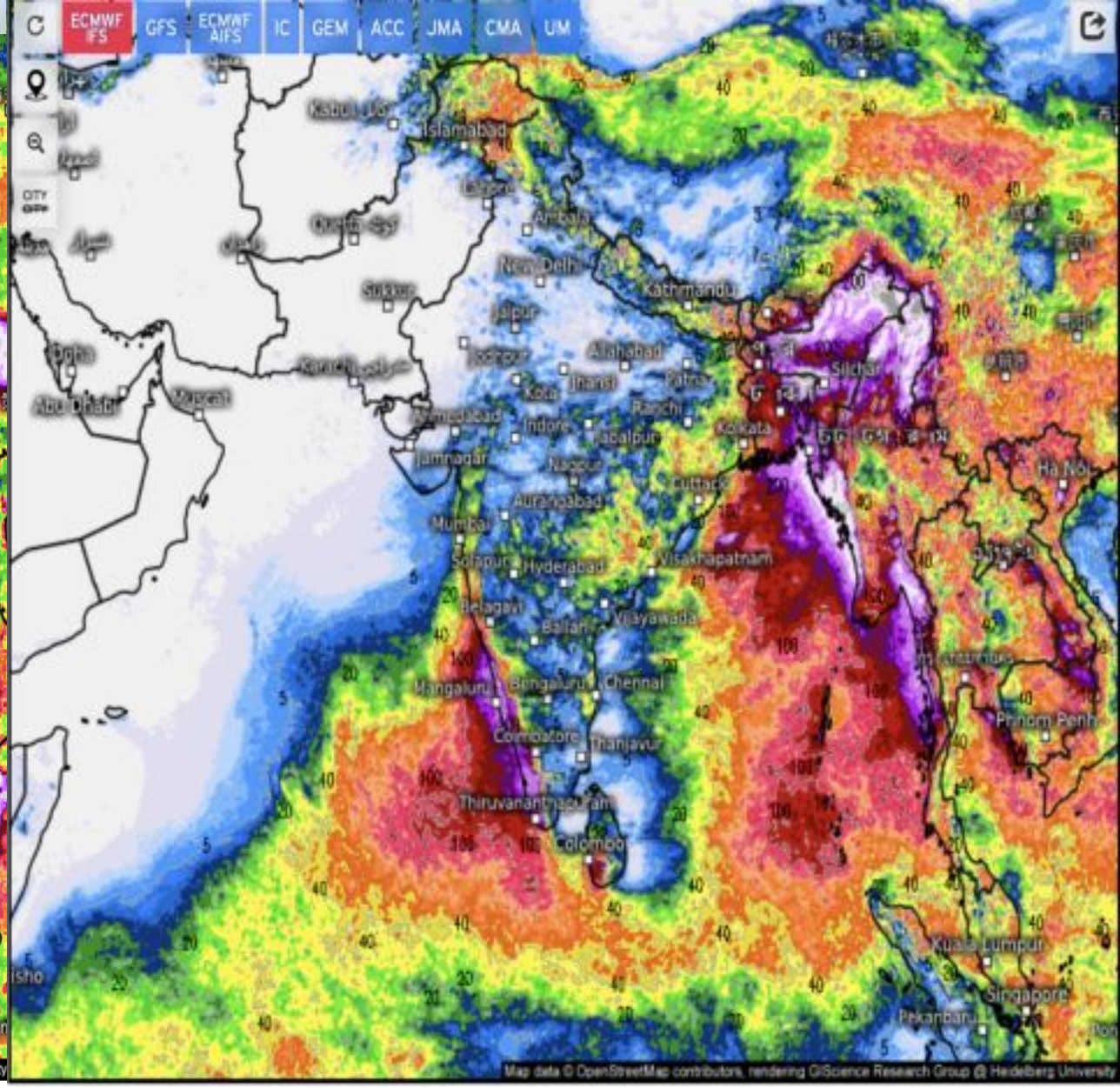
-20 -15 -10 -5 -1 0 1 5 10 15 20 25 30 35 40

Temperature (°C)

Valid for
Thu 06/05/2025, 02:30pm IST

-36 -30 -27 -24 -21 -18 -15 -12 -9 -6 -3 0 3 6 9 12 15 18 21 24 27 30 33 36 39 44 50





Accumulated Precipitation, 7 days (Satellite) (mm)

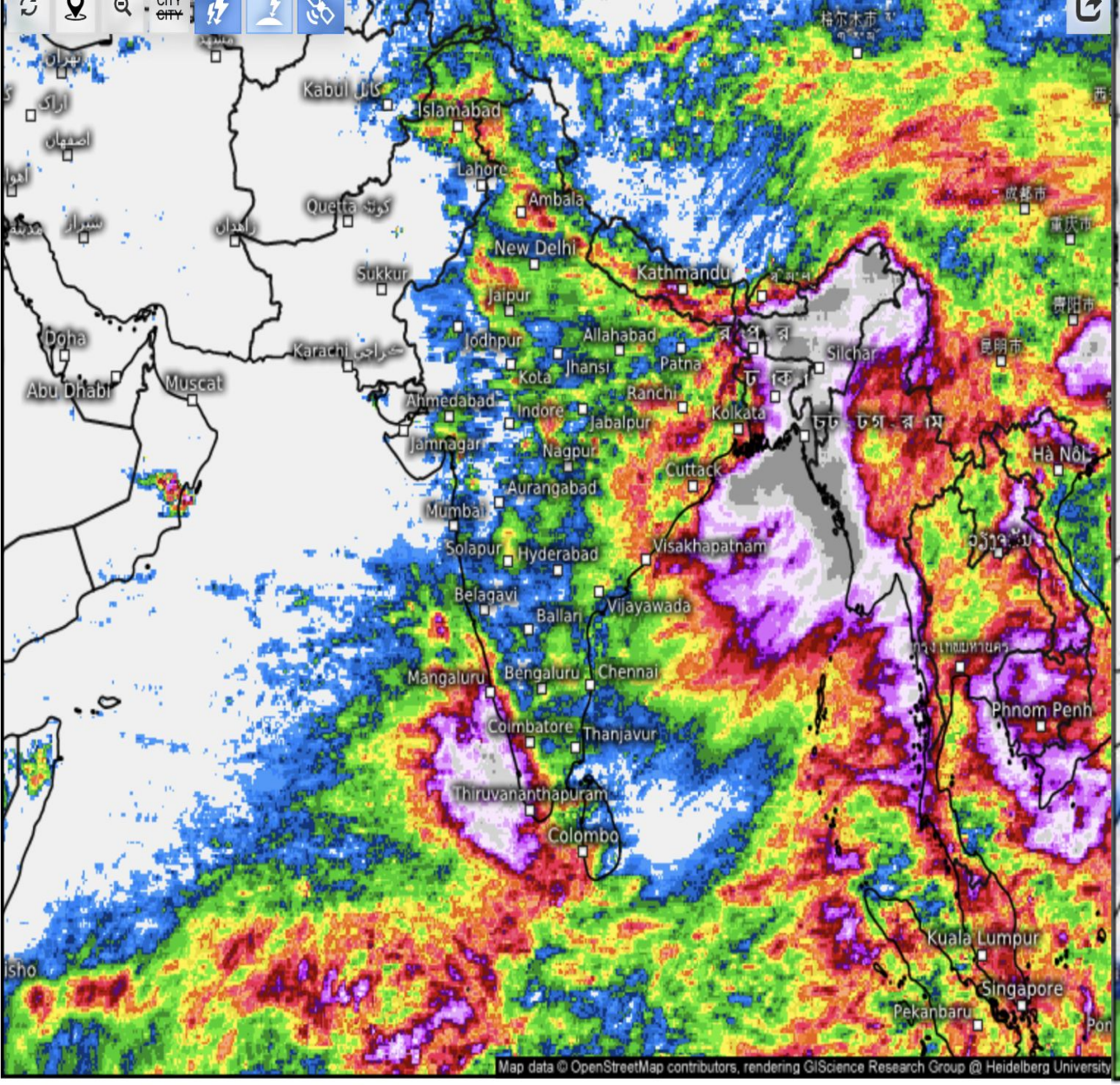
Thu 06/05/2025, 05:30am IST

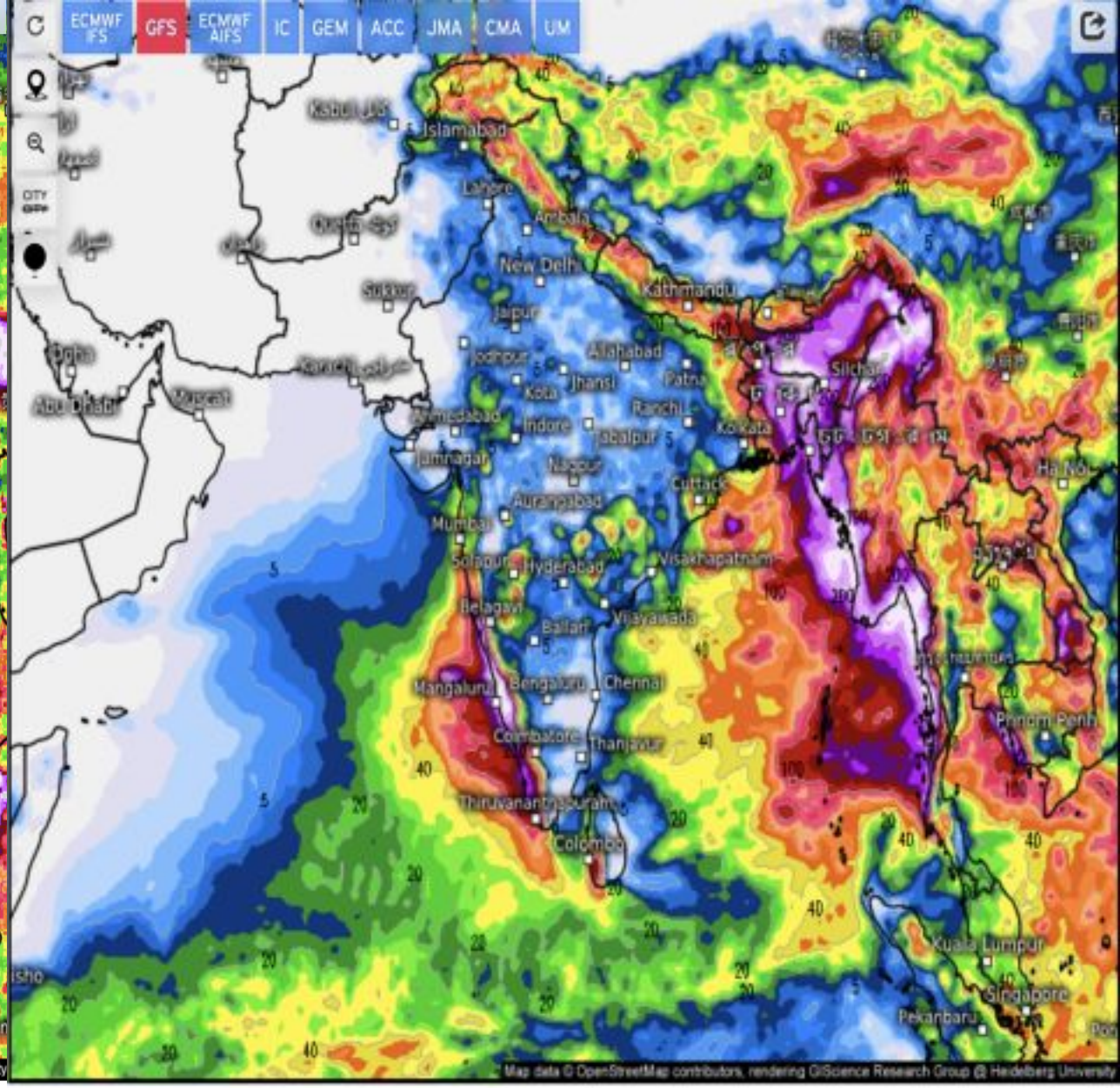
0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300

Accumulated total precipitation (mm)

From Thu 05/29/2025, 05:30am IST to Thu 06/05/2025, 05:30pm IST

0.1 1 2 3 5 7 10 15 20 25 30 40 50 60 70 80 90 100 125 150 175 200 250 300 400 500





Accumulated Precipitation, 7 days (Satellite) (mm)

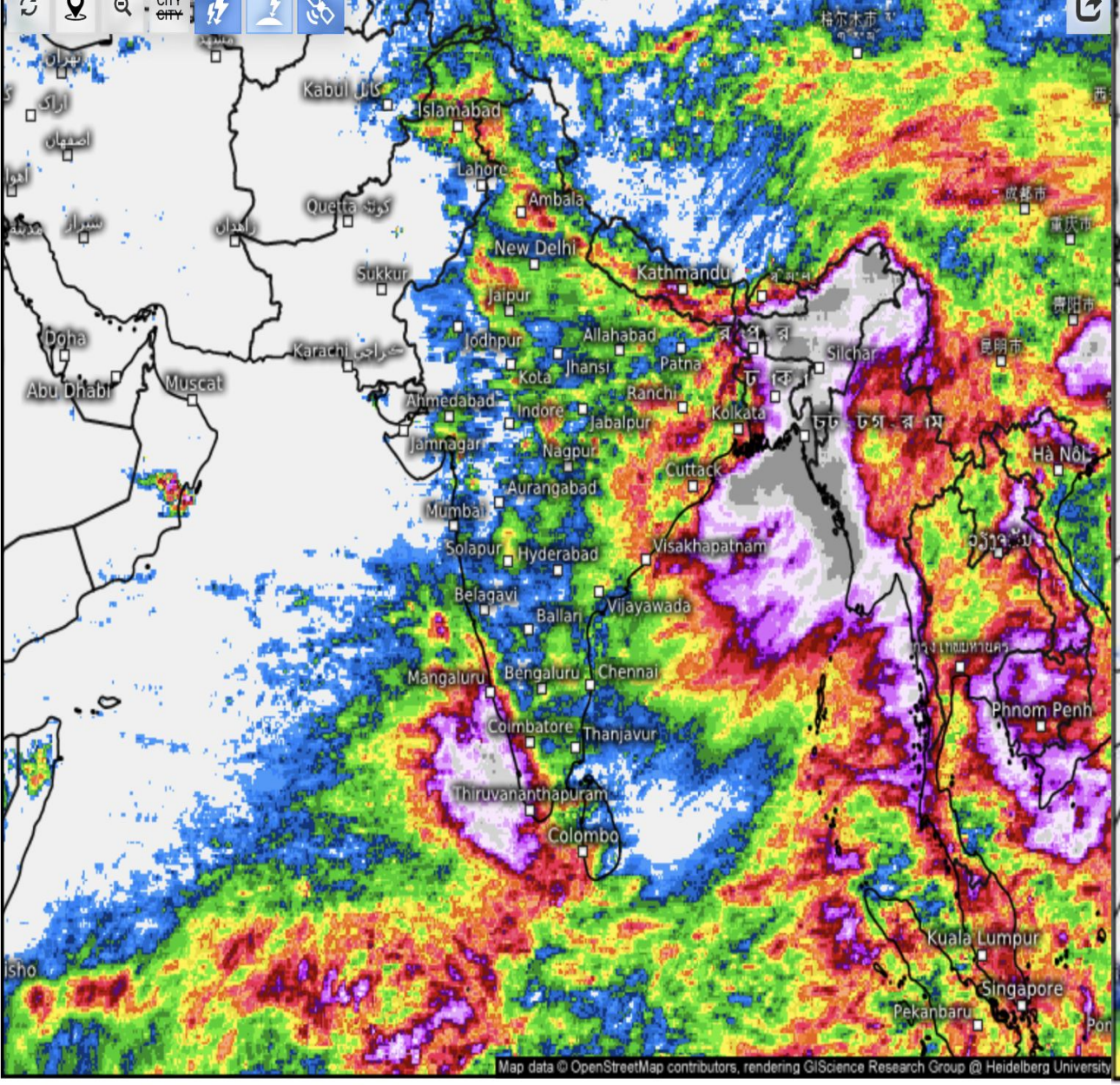
Thu 06/05/2025, 05:30am IST

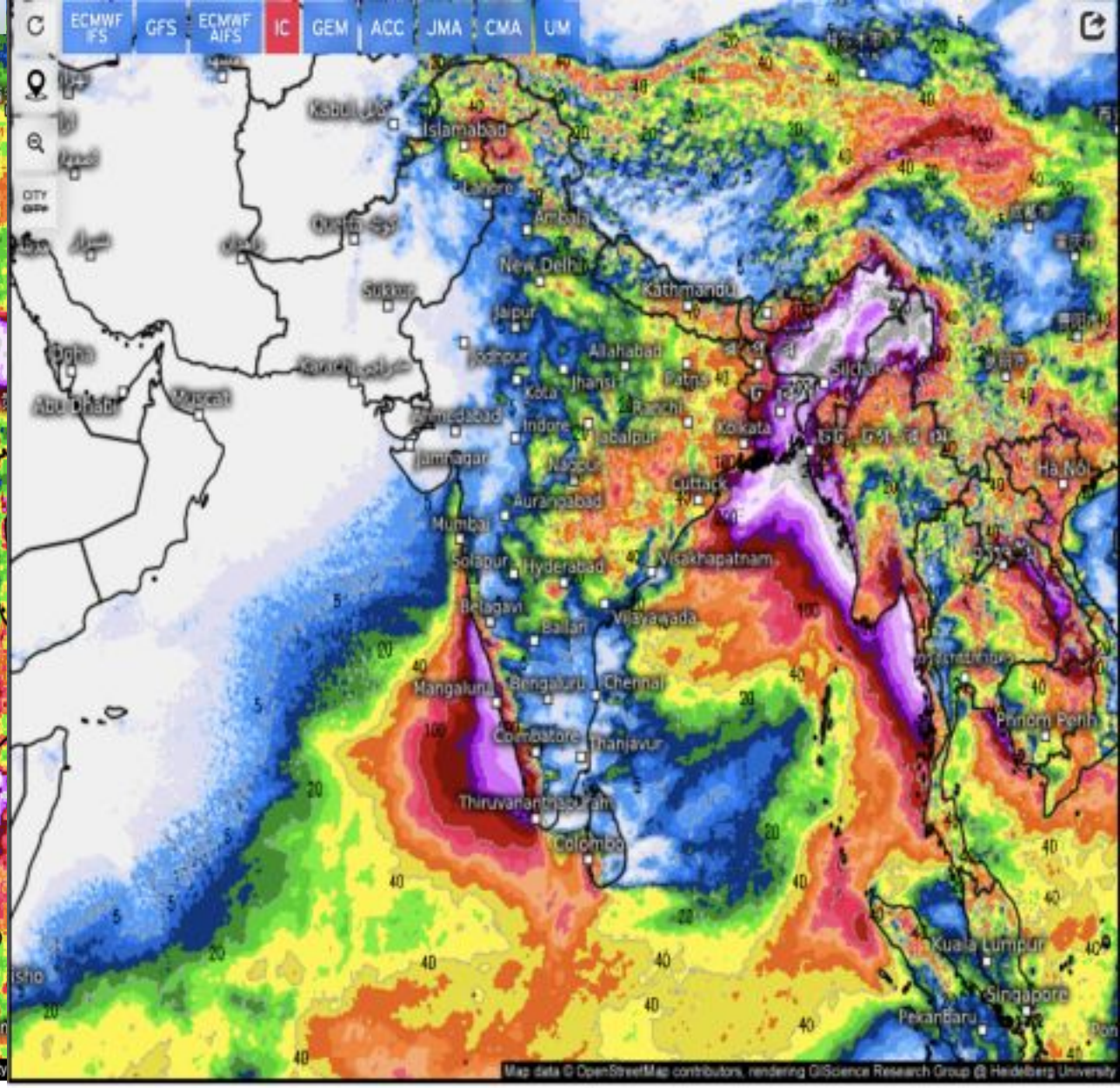
0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300

Accumulated total precipitation (mm)

From Thu 05/29/2025, 05:30am IST
to Thu 06/05/2025, 05:30pm IST

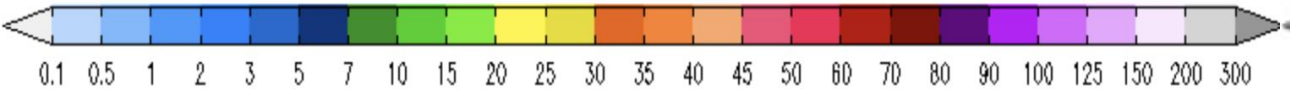
0.1 1 2 3 5 7 10 15 20 25 30 40 50 60 70 80 90 100 125 150 175 200 250 300 400 500





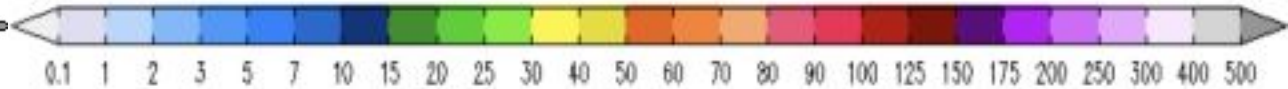
Accumulated Precipitation, 7 days (Satellite) (mm)

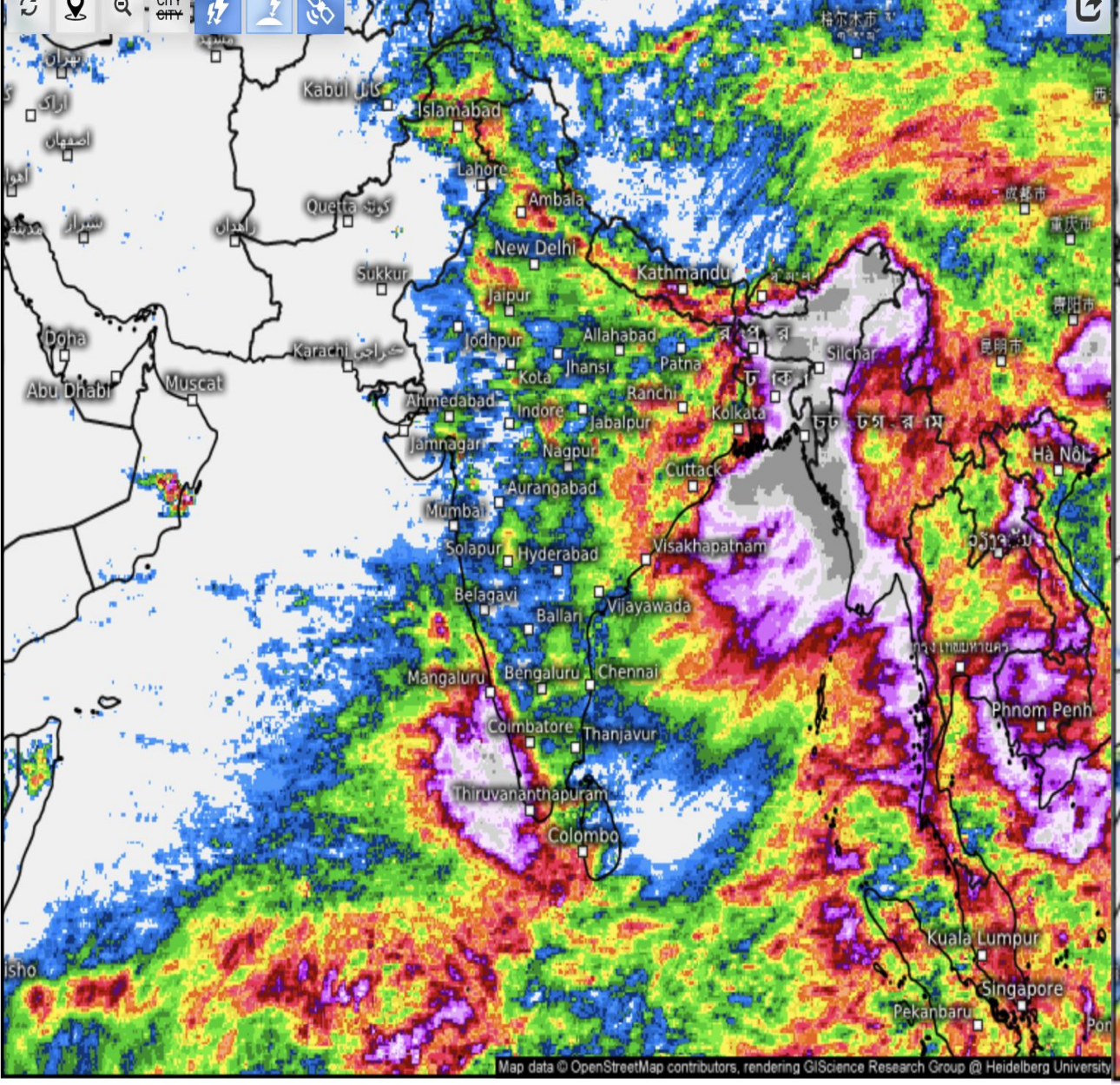
Thu 06/05/2025, 05:30am IST

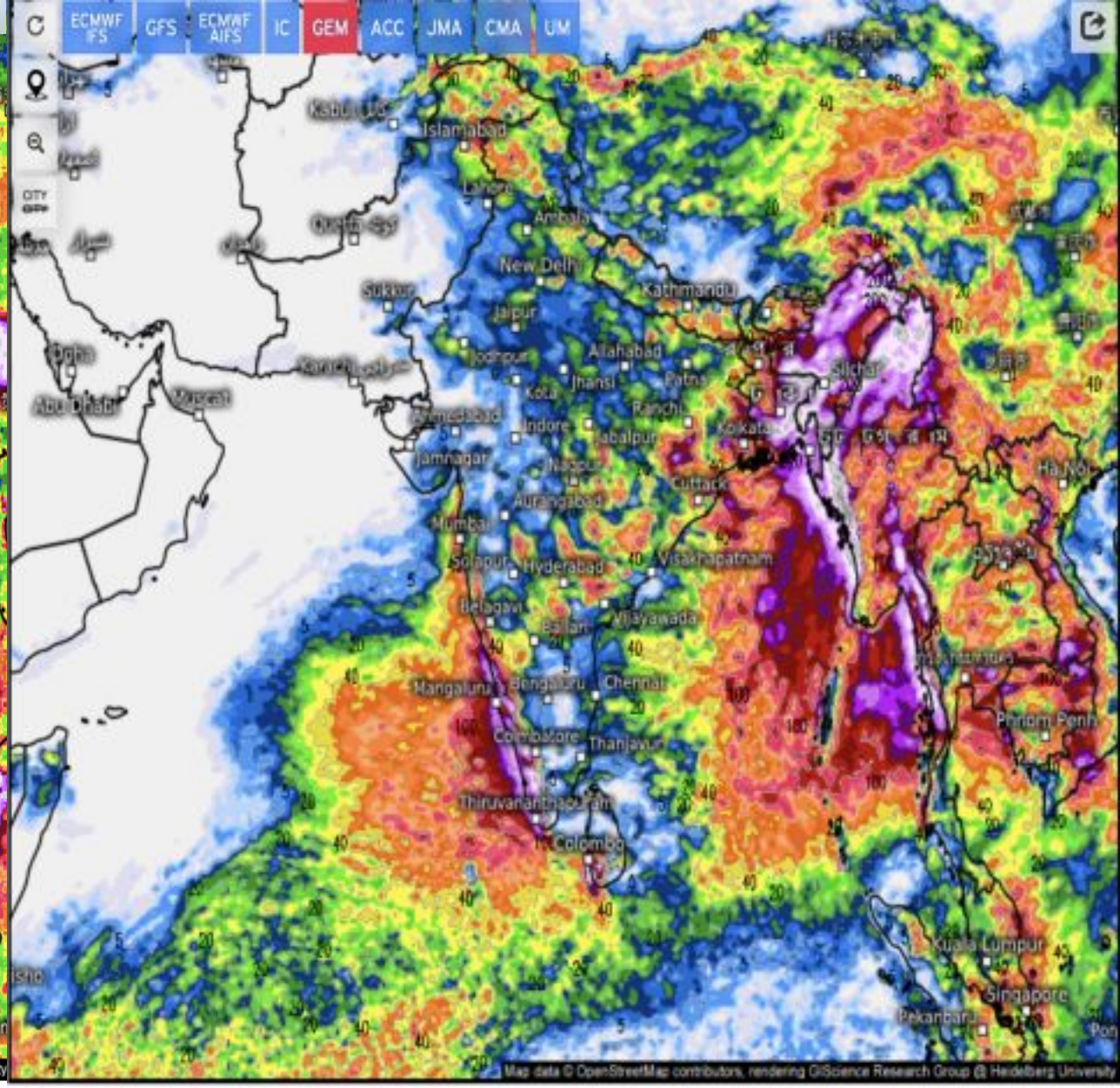


Accumulated total precipitation (mm)

From Thu 05/29/2025, 05:30am IST
to Thu 06/05/2025, 05:30pm IST







Accumulated Precipitation, 7 days (Satellite) (mm)

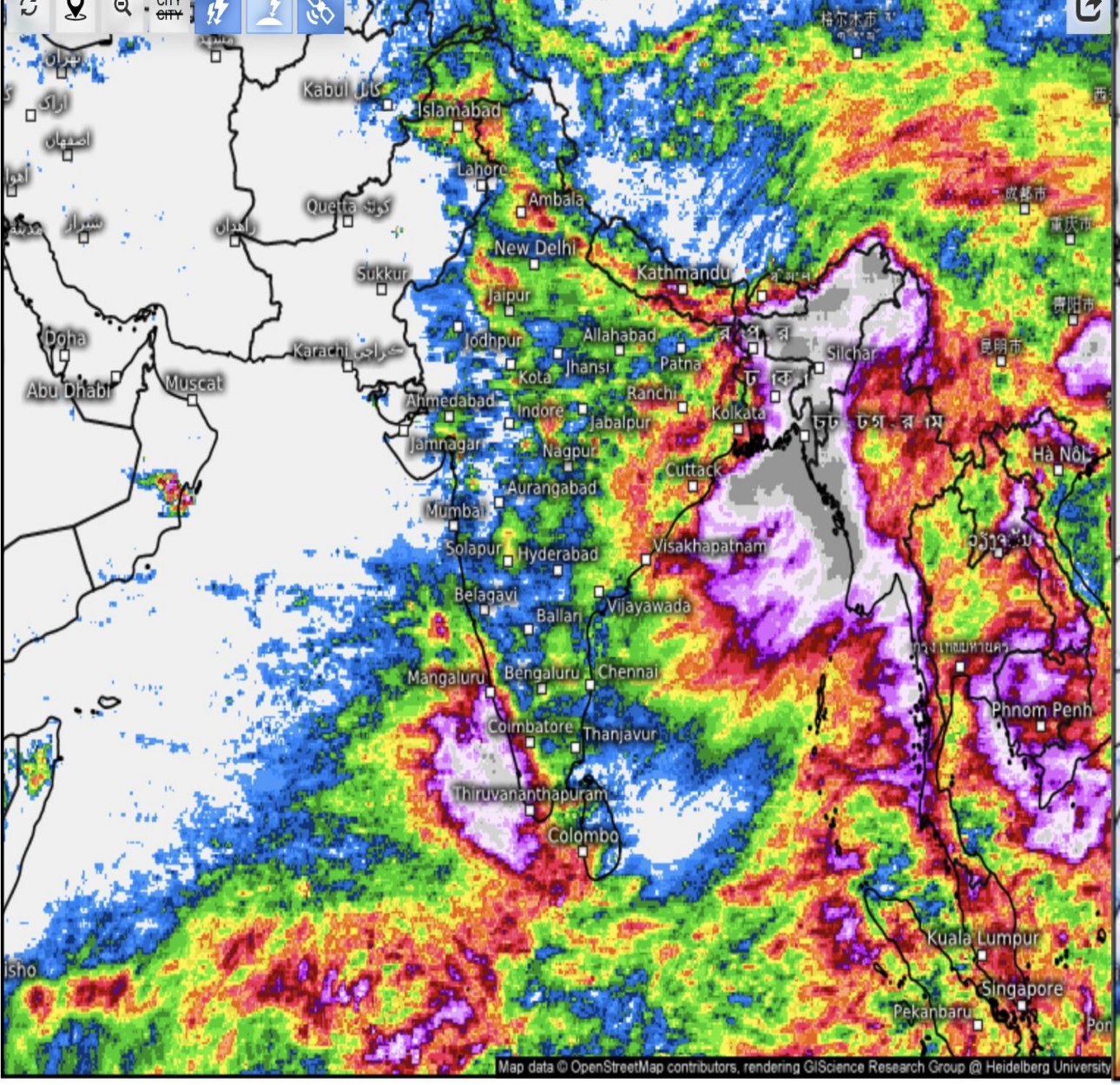
Thu 06/05/2025, 05:30am IST

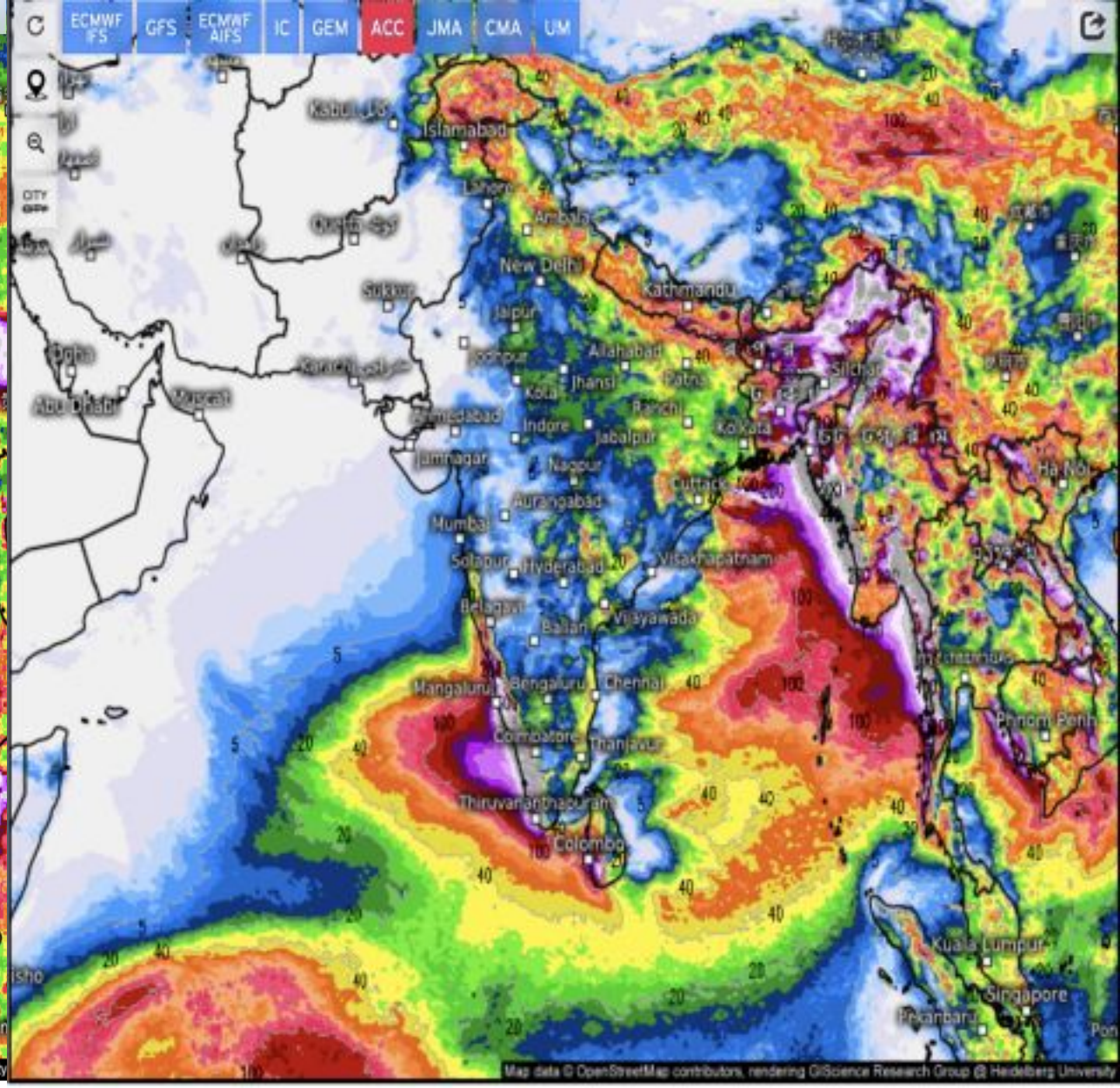
0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300

Accumulated total precipitation (mm)

From Thu 05/29/2025, 05:30am IST to Thu 06/05/2025, 05:30pm IST

0.1 1 2 3 5 7 10 15 20 25 30 40 50 60 70 80 90 100 125 150 175 200 250 300 400 500





Accumulated Precipitation, 7 days (Satellite) (mm)

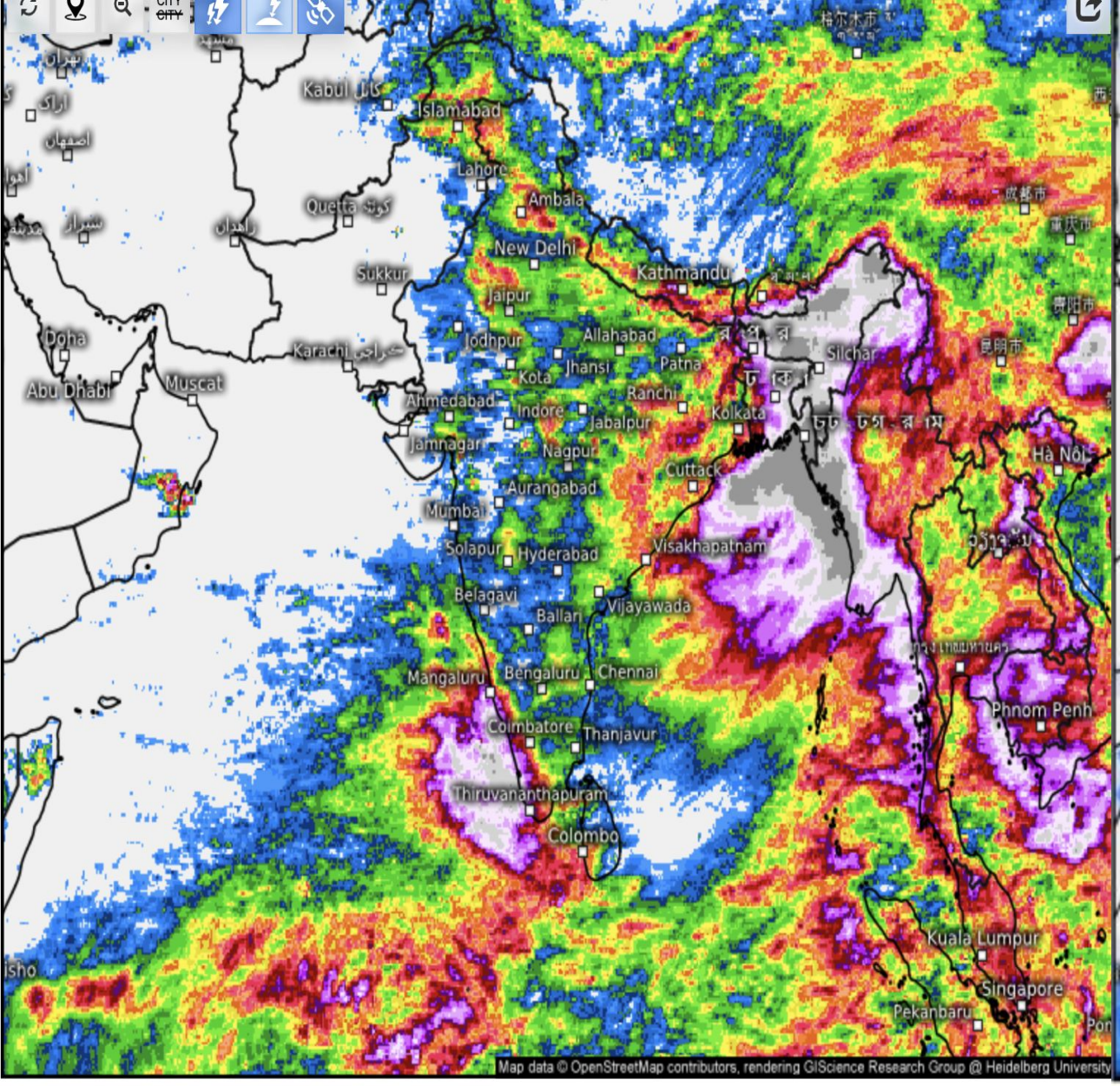
Thu 06/05/2025, 05:30am IST

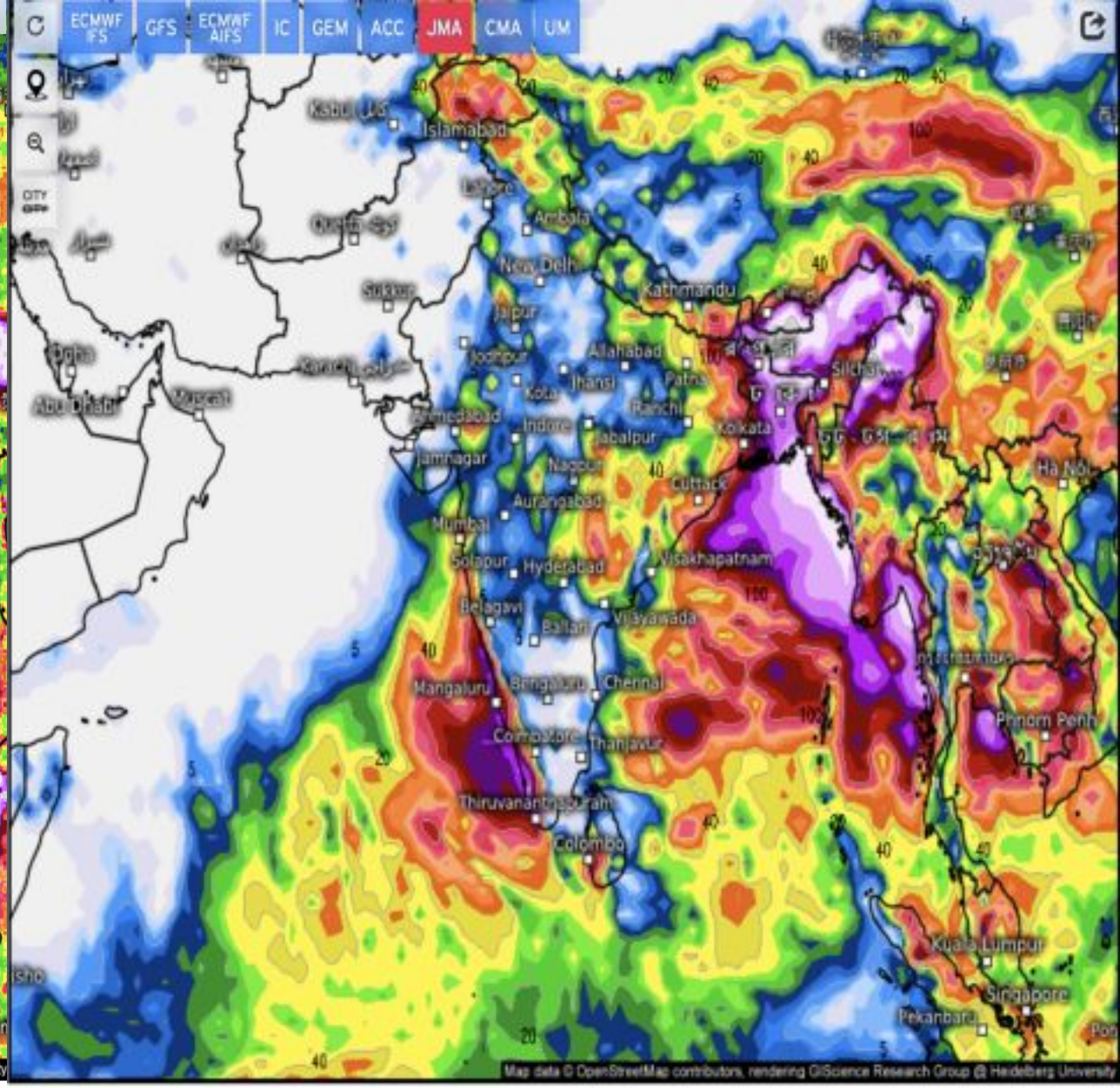
0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300

Accumulated total precipitation (mm)

From Thu 05/29/2025, 05:30am IST
to Thu 06/05/2025, 05:30pm IST

0.1 1 2 3 5 7 10 15 20 25 30 40 50 60 70 80 90 100 125 150 175 200 250 300 400 500





Accumulated Precipitation, 7 days (Satellite) (mm)

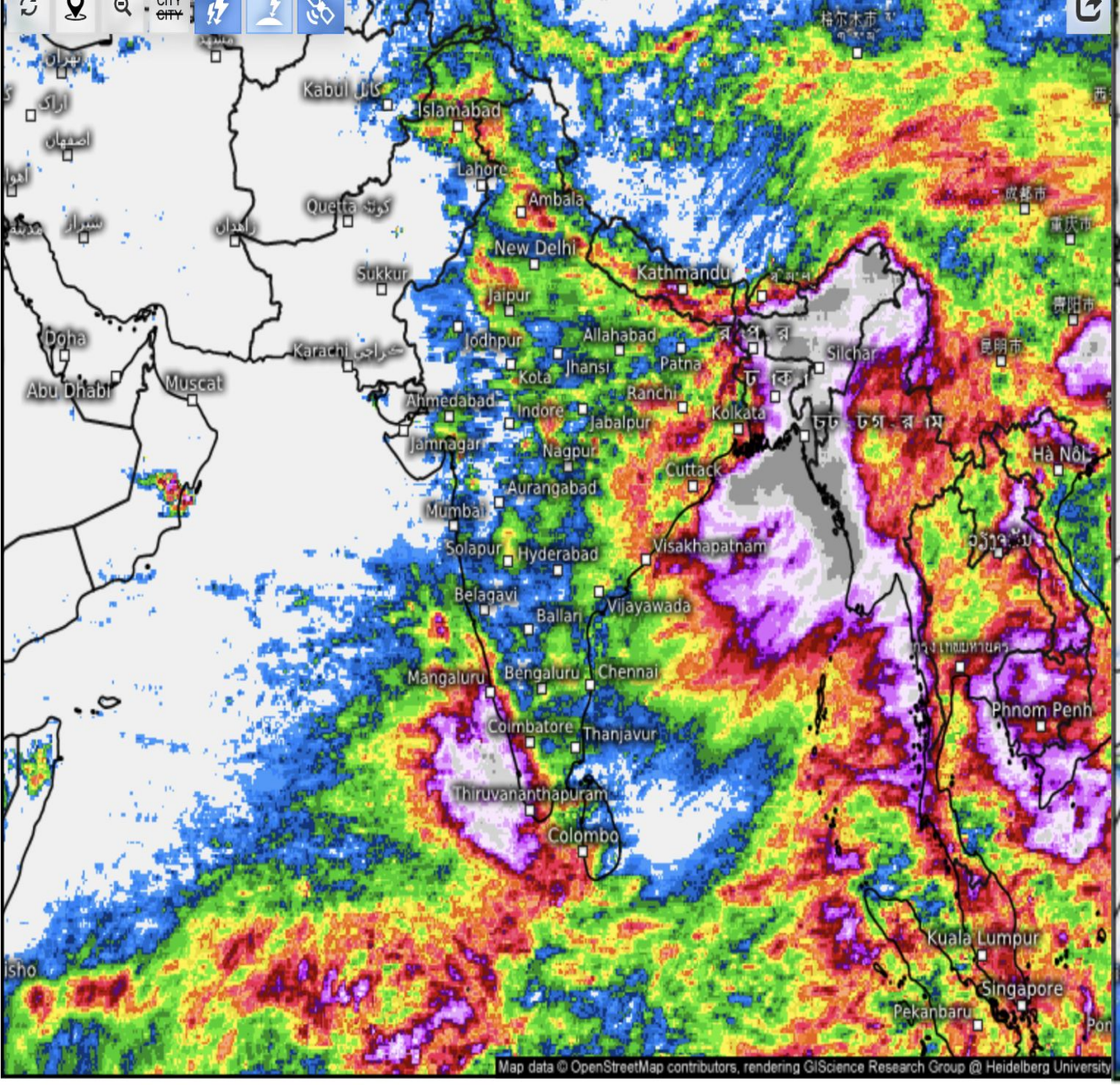
Thu 06/05/2025, 05:30am IST

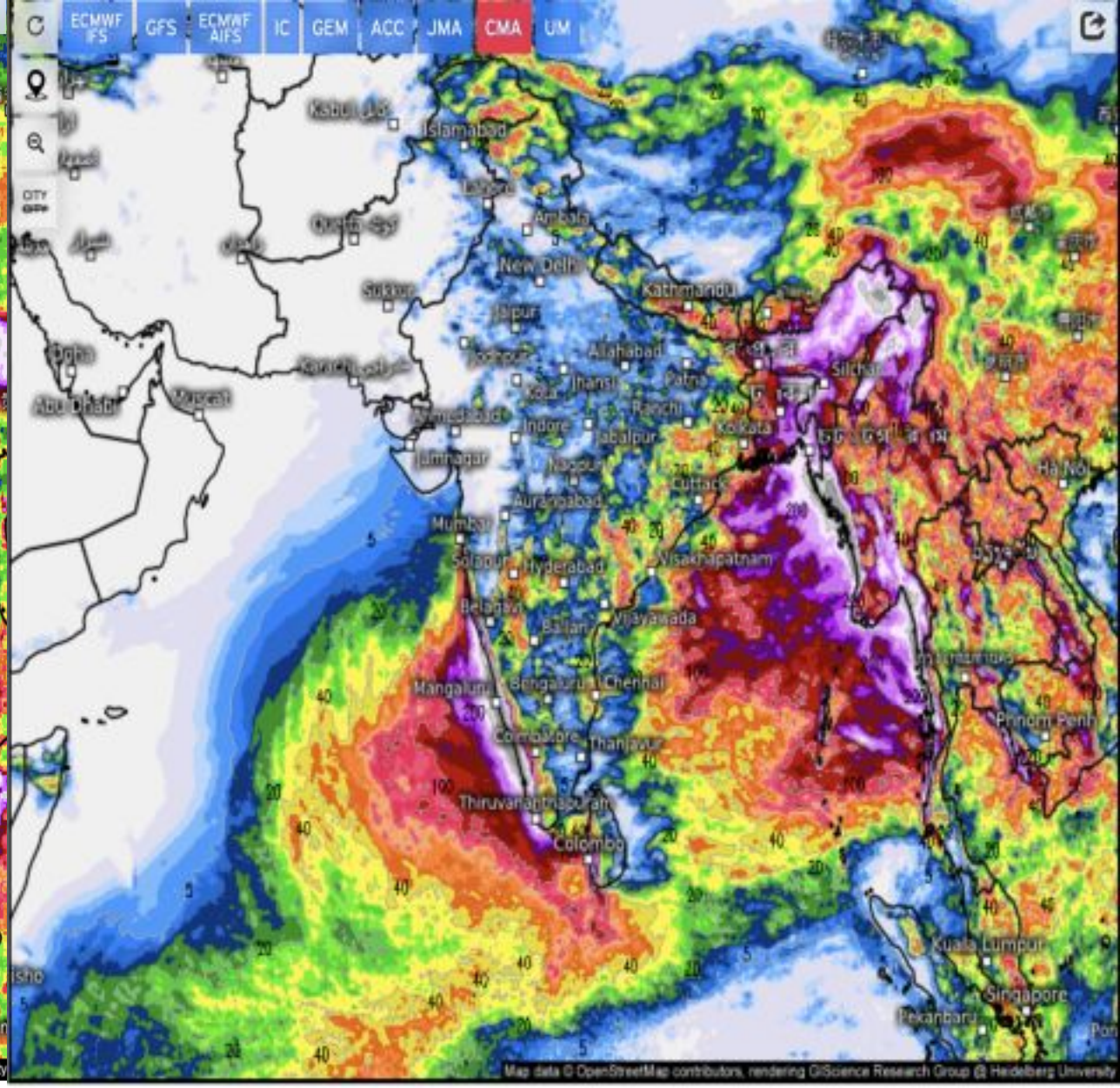
0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300

Accumulated total precipitation (mm)

From Wed 05/28/2025, 05:30pm IST
to Thu 06/05/2025, 05:30pm IST

0.1 1 2 3 5 7 10 15 20 25 30 40 50 60 70 80 90 100 125 150 175 200 250 300 400 500





Accumulated Precipitation, 7 days (Satellite) (mm)

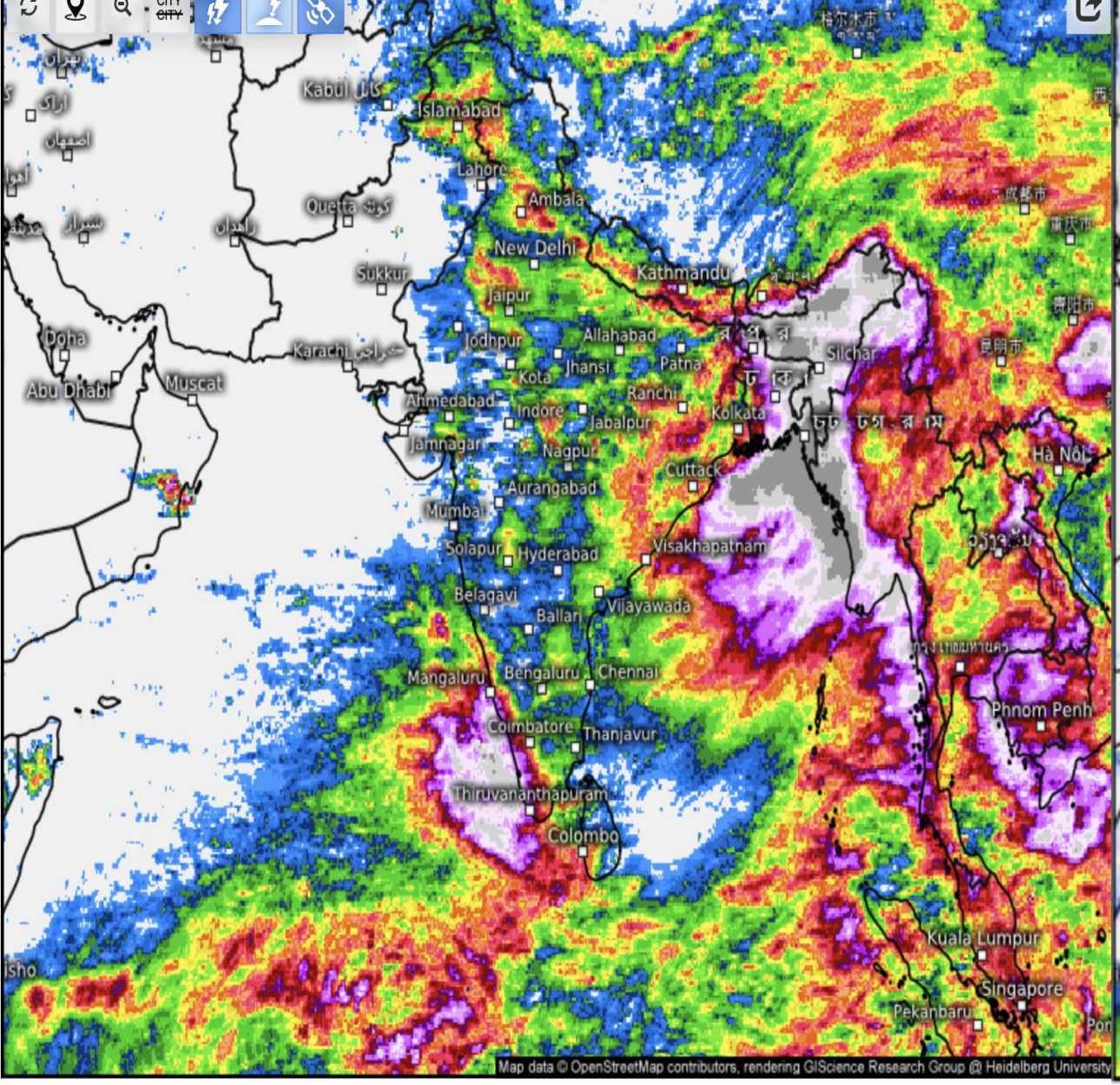
Thu 06/05/2025, 05:30am IST

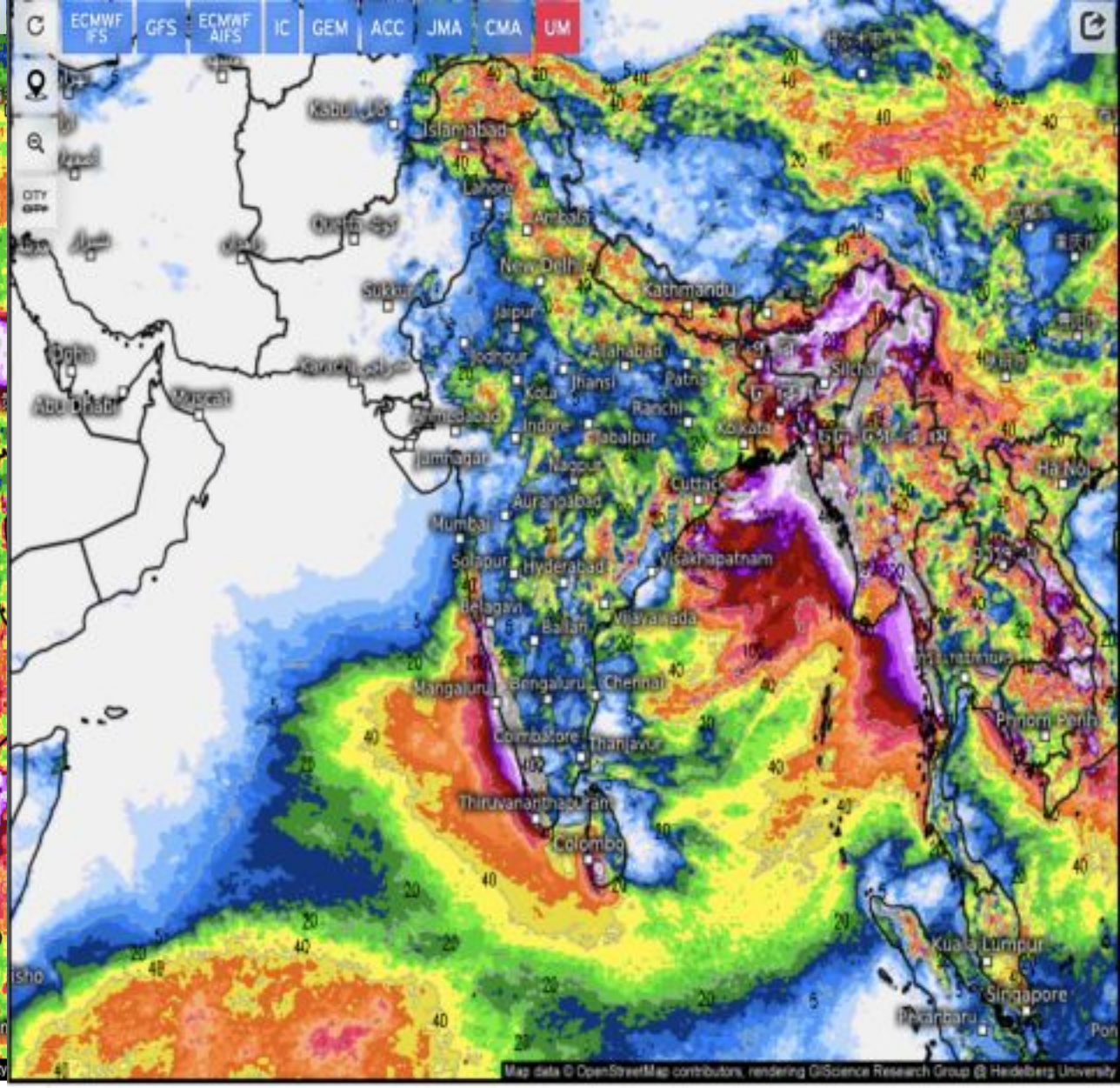
0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300

Accumulated total precipitation (mm)

From Thu 05/29/2025, 05:30am IST
to Thu 06/05/2025, 05:30pm IST

0.1 1 2 3 5 7 10 15 20 25 30 40 50 60 70 80 90 100 125 150 175 200 250 300 400 500





Accumulated Precipitation, 7 days (Satellite) (mm)

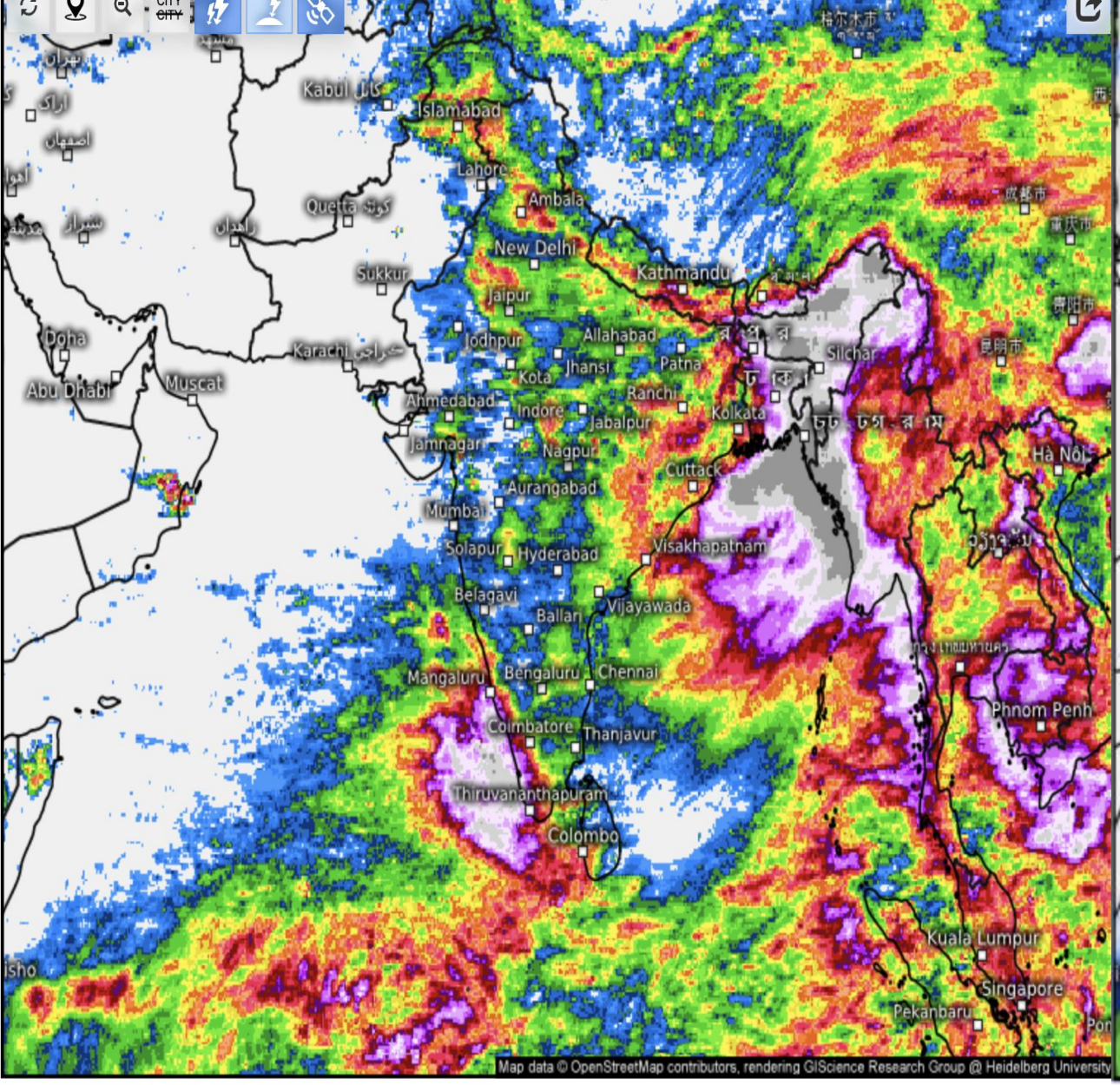
Thu 06/05/2025, 05:30am IST

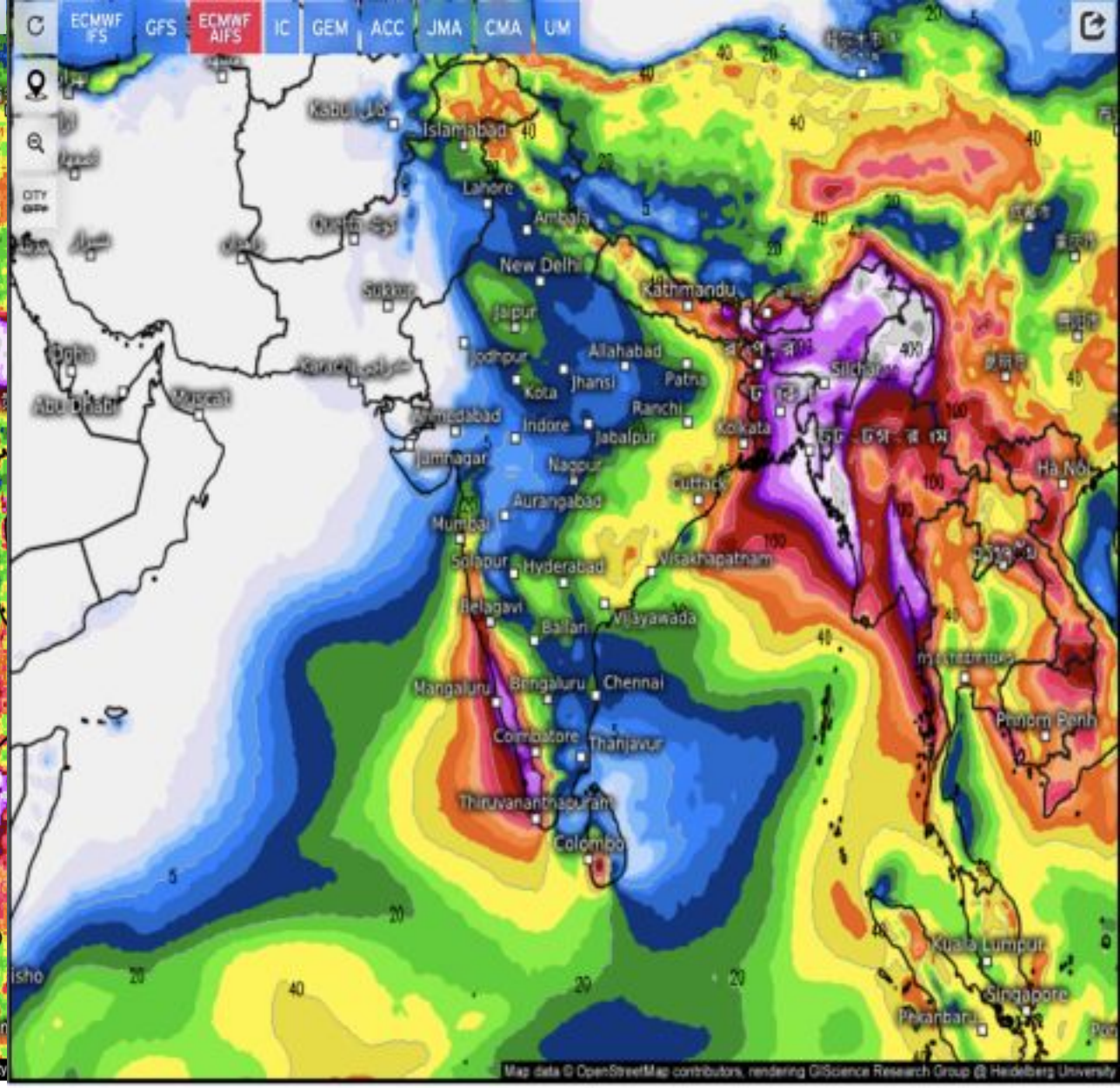
0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300

Accumulated total precipitation (mm)

From Wed 05/28/2025, 05:30pm IST
to Thu 06/05/2025, 05:30pm IST

0.1 1 2 3 5 7 10 15 20 25 30 40 50 60 70 80 90 100 125 150 175 200 250 300 400 500





Accumulated Precipitation, 7 days (Satellite) (mm)

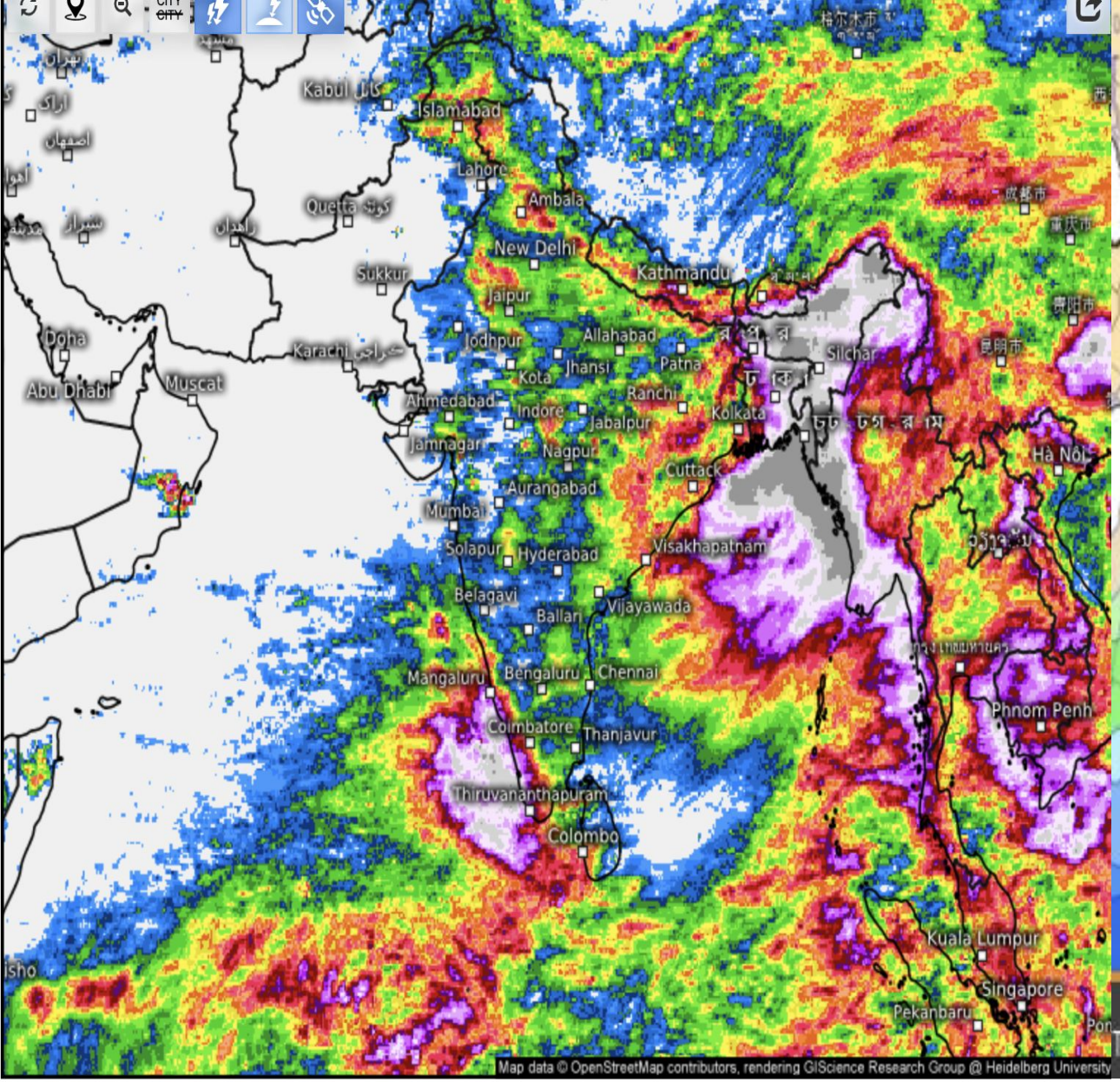
Thu 06/05/2025, 05:30am IST

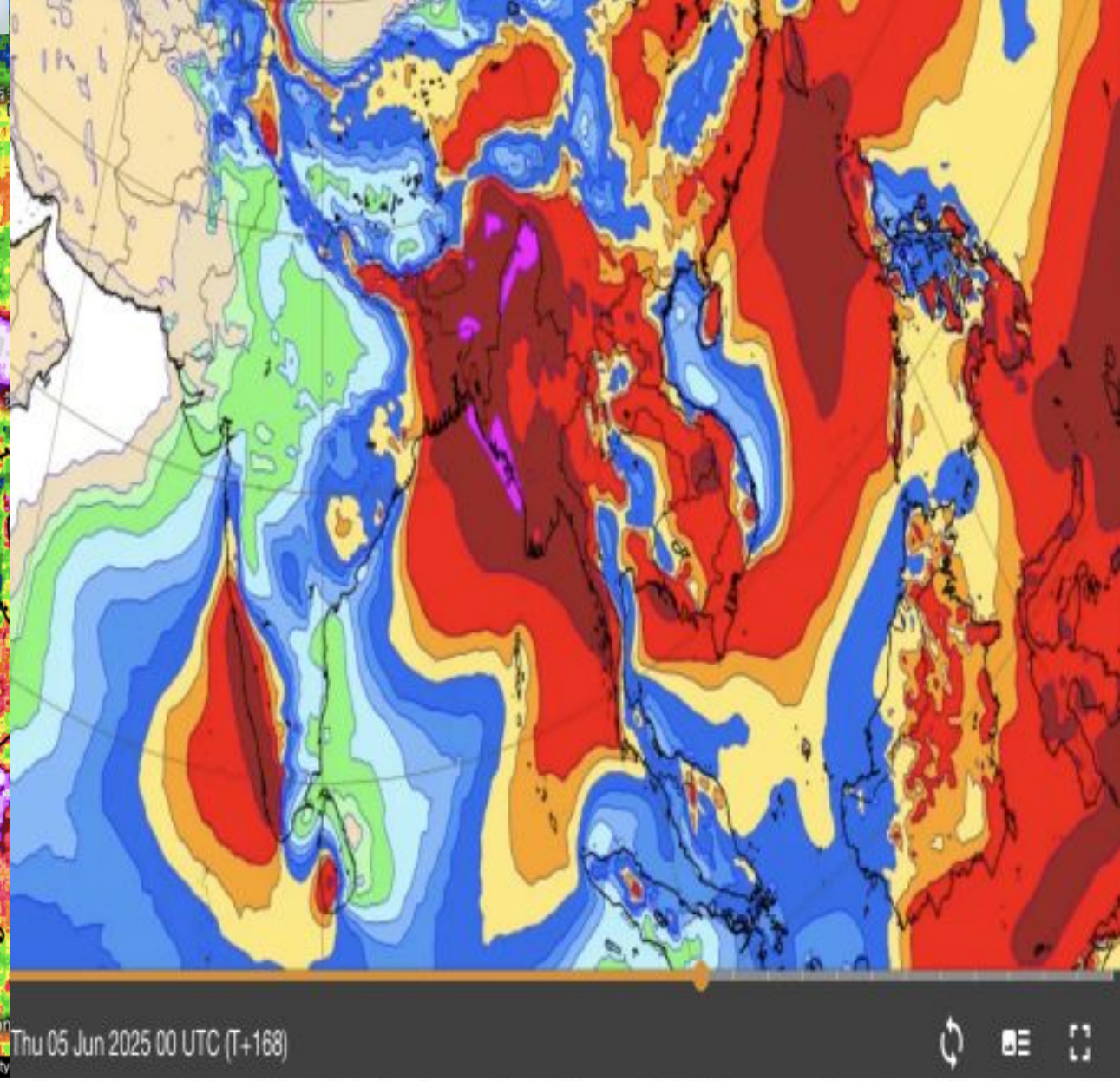
0.1 0.5 1 2 3 5 7 10 15 20 25 30 35 40 45 50 60 70 80 90 100 125 150 200 300

Accumulated total precipitation (mm)

From Thu 05/29/2025, 05:30am IST
to Thu 06/05/2025, 05:30pm IST

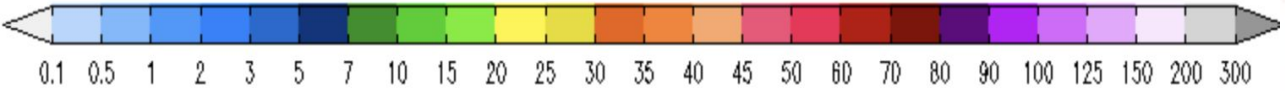
0.1 1 2 3 5 7 10 15 20 25 30 40 50 60 70 80 90 100 125 150 175 200 250 300 400 500



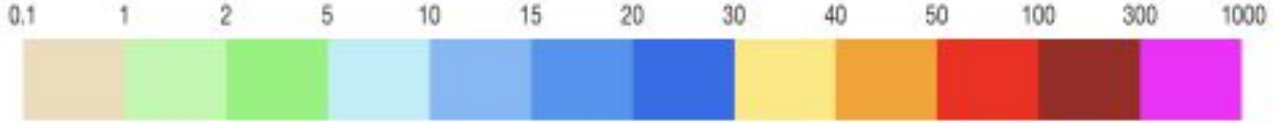


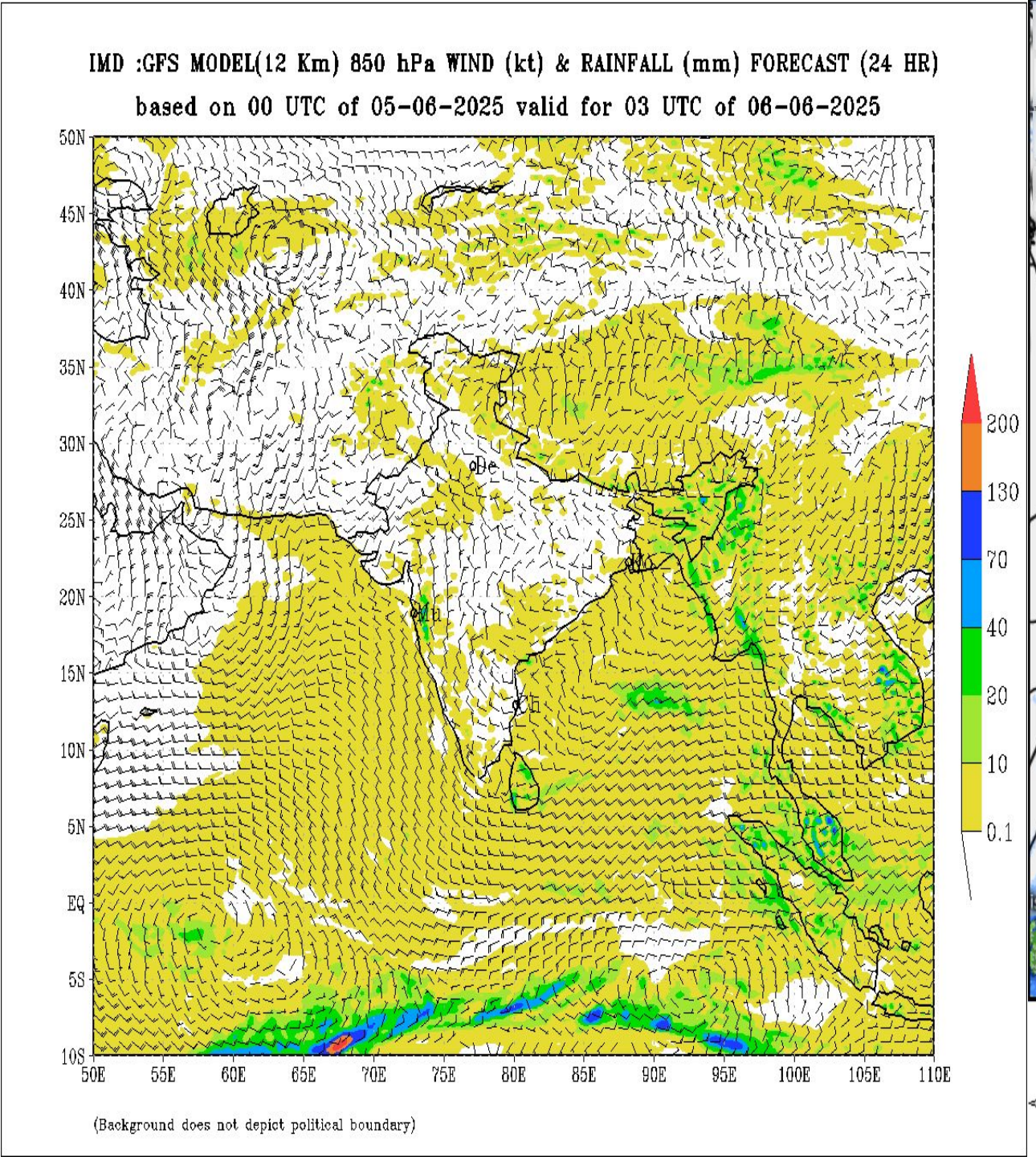
Accumulated Precipitation, 7 days (Satellite) (mm)

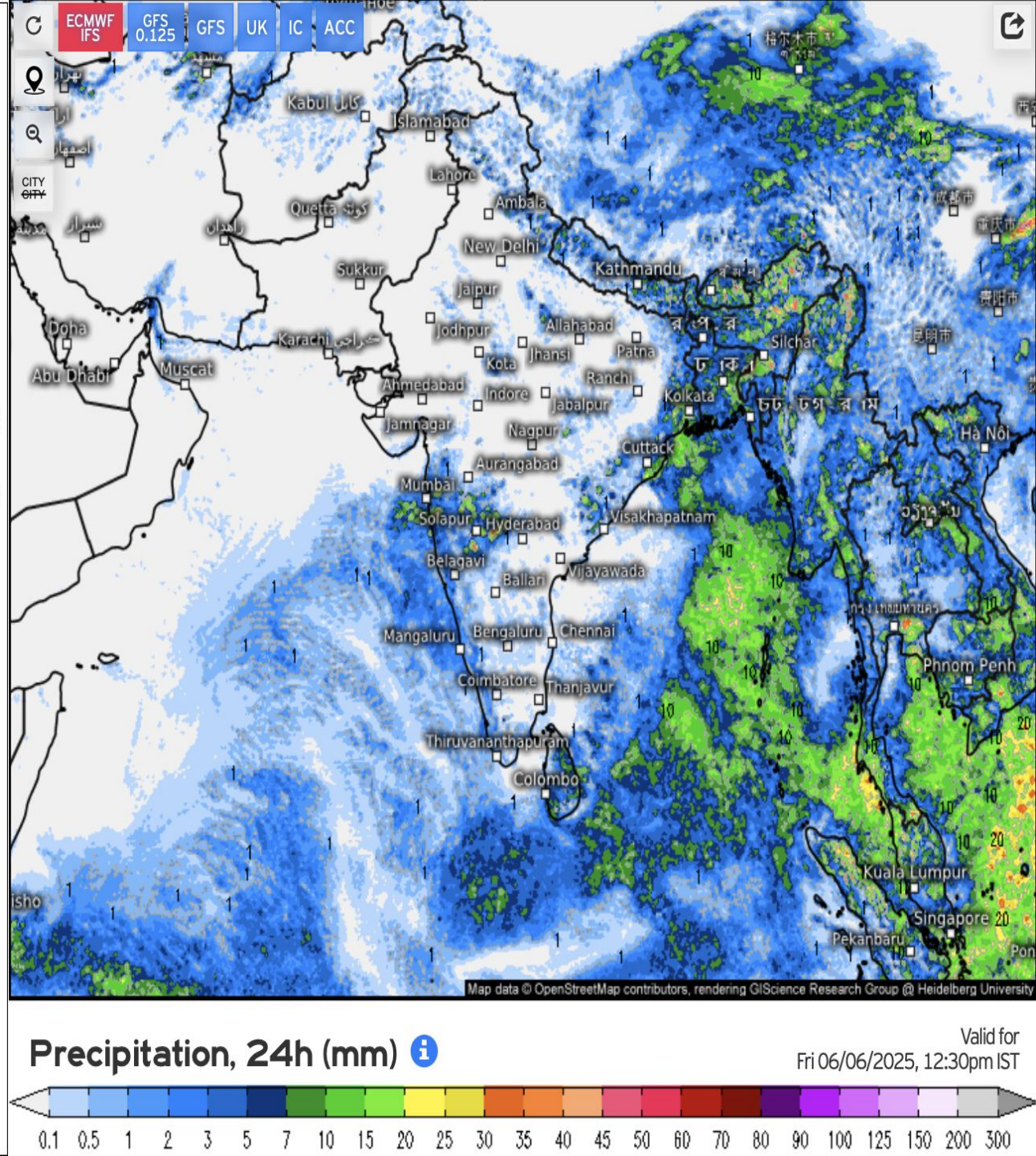
Thu 06/05/2025, 05:30am IST

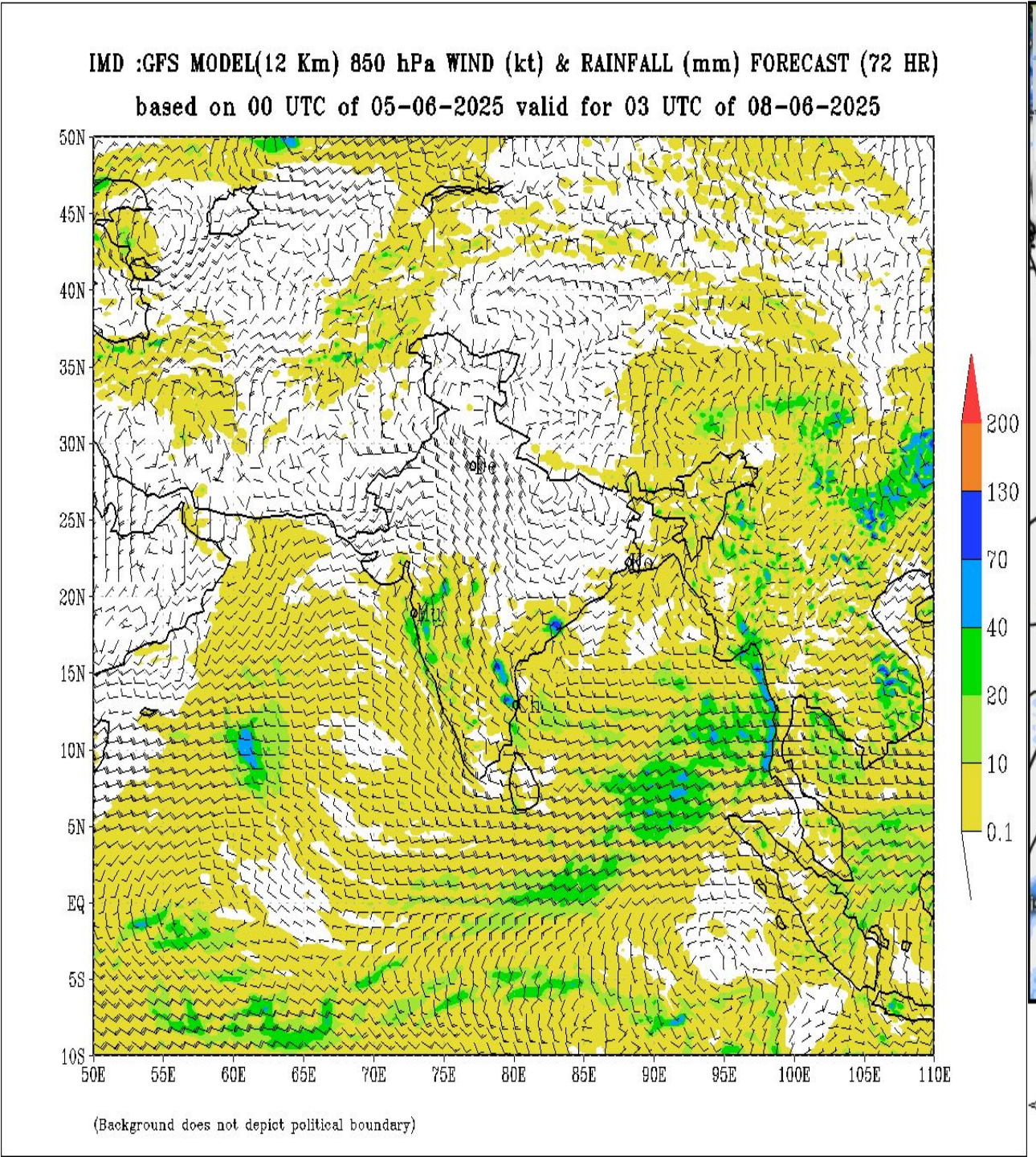


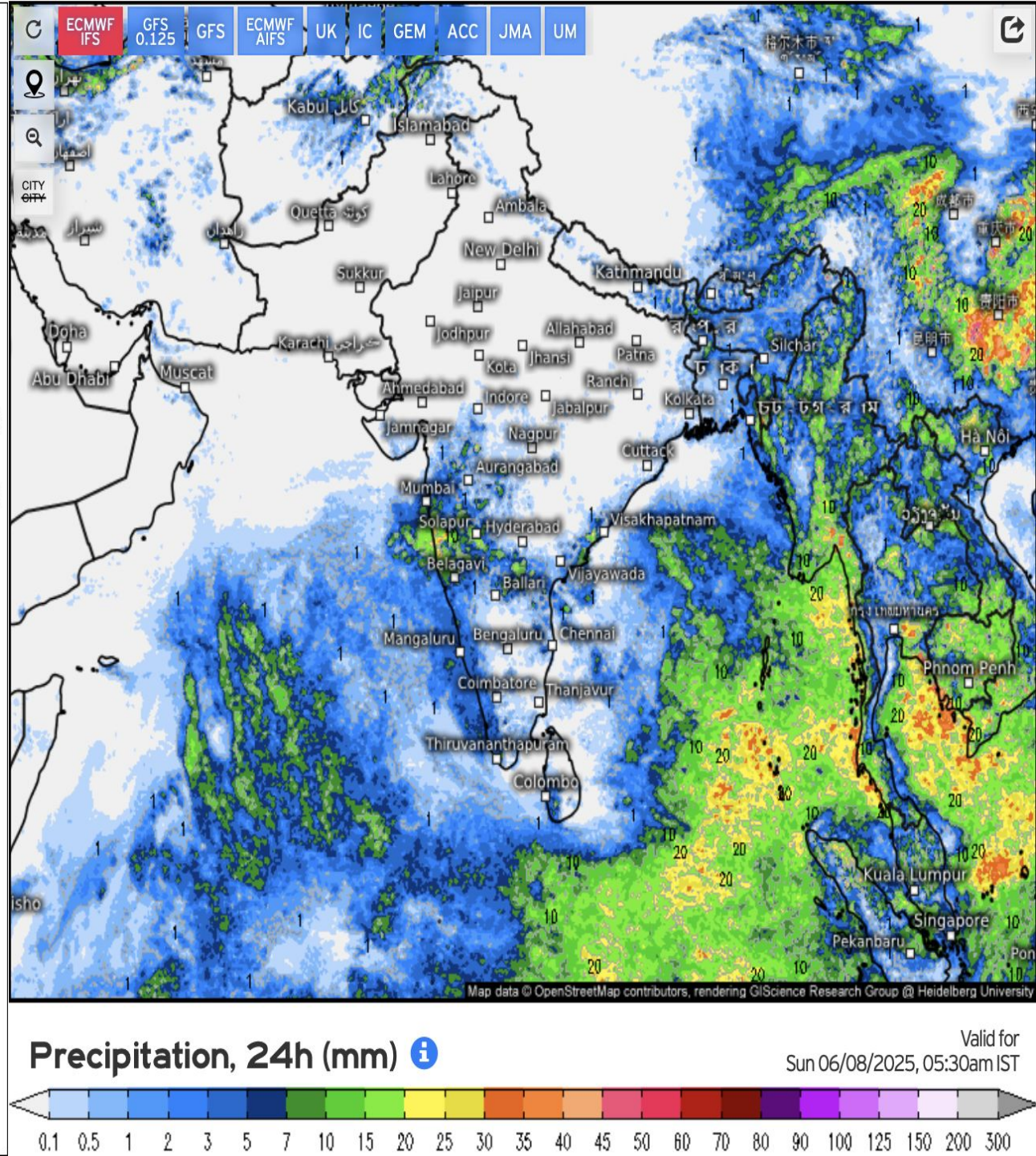
Experimental: GraphCast (Google Deepmind) ML model: Total accumulated precipitation (mm)




IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (24 HR)
based on 00 UTC of 05-06-2025 valid for 03 UTC of 06-06-2025
50N
45N
40N
35N
30N
25N
20N
15N
10N
5N
EQ
5S
10S
50E
55E
60E
65E
70E
75E
80E
85E
90E
95E
100E
105E
110E
200
130
70
40
20
10
0.1
(Background does not depict political boundary)

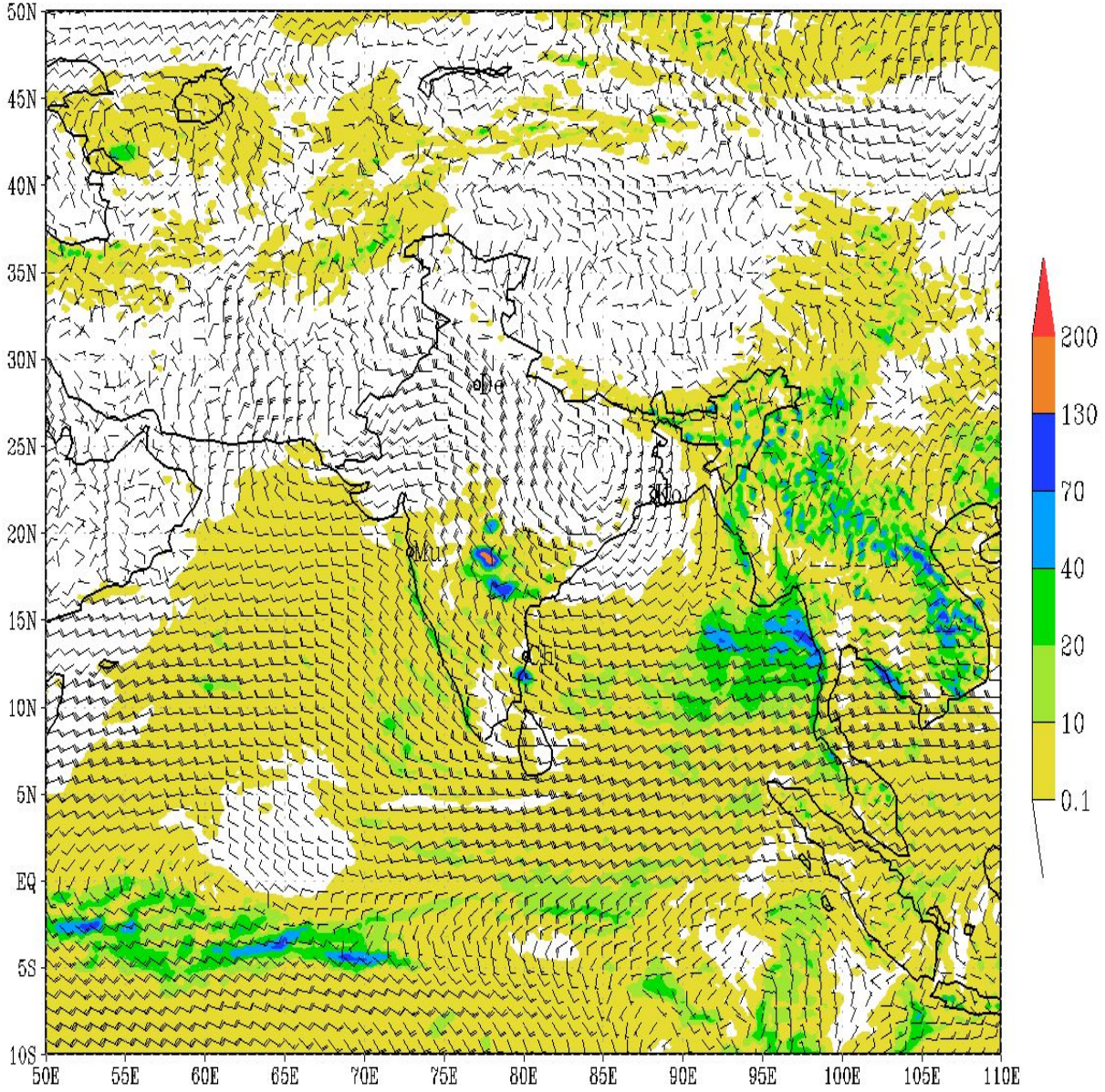

ECMWF IFS
GFS 0.125
GFS
UK
IC
ACC
Kabul
Islamabad
Lahore
Ambala
Quetta
New Delhi
Sukkur
Kathmandu
Jaipur
Jodhpur
Allahabad
Patna
Silchar
Doha
Karachi
Kota
Jhansi
Ranchi
Abu Dhabi
Muscat
Ahmedabad
Indore
Jabalpur
Kolkata
Jamnagar
Nagpur
Cuttack
Aurangabad
Mumbai
Solapur
Hyderabad
Visakhapatnam
Belagavi
Ballari
Vijayawada
Mangaluru
Bengaluru
Chennai
Coimbatore
Thanjavur
Thiruvananthapuram
Colombo
Hà Nội
Phnom Penh
Kuala Lumpur
Singapore
Pekanbaru
Map data © OpenStreetMap contributors, rendering GIScience Research Group @ Heidelberg University
Precipitation, 24h (mm)
Valid for
Fri 06/06/2025, 12:30pm IST
0.1
0.5
1
2
3
5
7
10
15
20
25
30
35
40
45
50
60
70
80
90
100
125
150
200
300


IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (72 HR)
based on 00 UTC of 05-06-2025 valid for 03 UTC of 08-06-2025
50N
45N
40N
35N
30N
25N
20N
15N
10N
5N
EQ
5S
10S
50E
55E
60E
65E
70E
75E
80E
85E
90E
95E
100E
105E
110E
200
130
70
40
20
10
0.1
(Background does not depict political boundary)

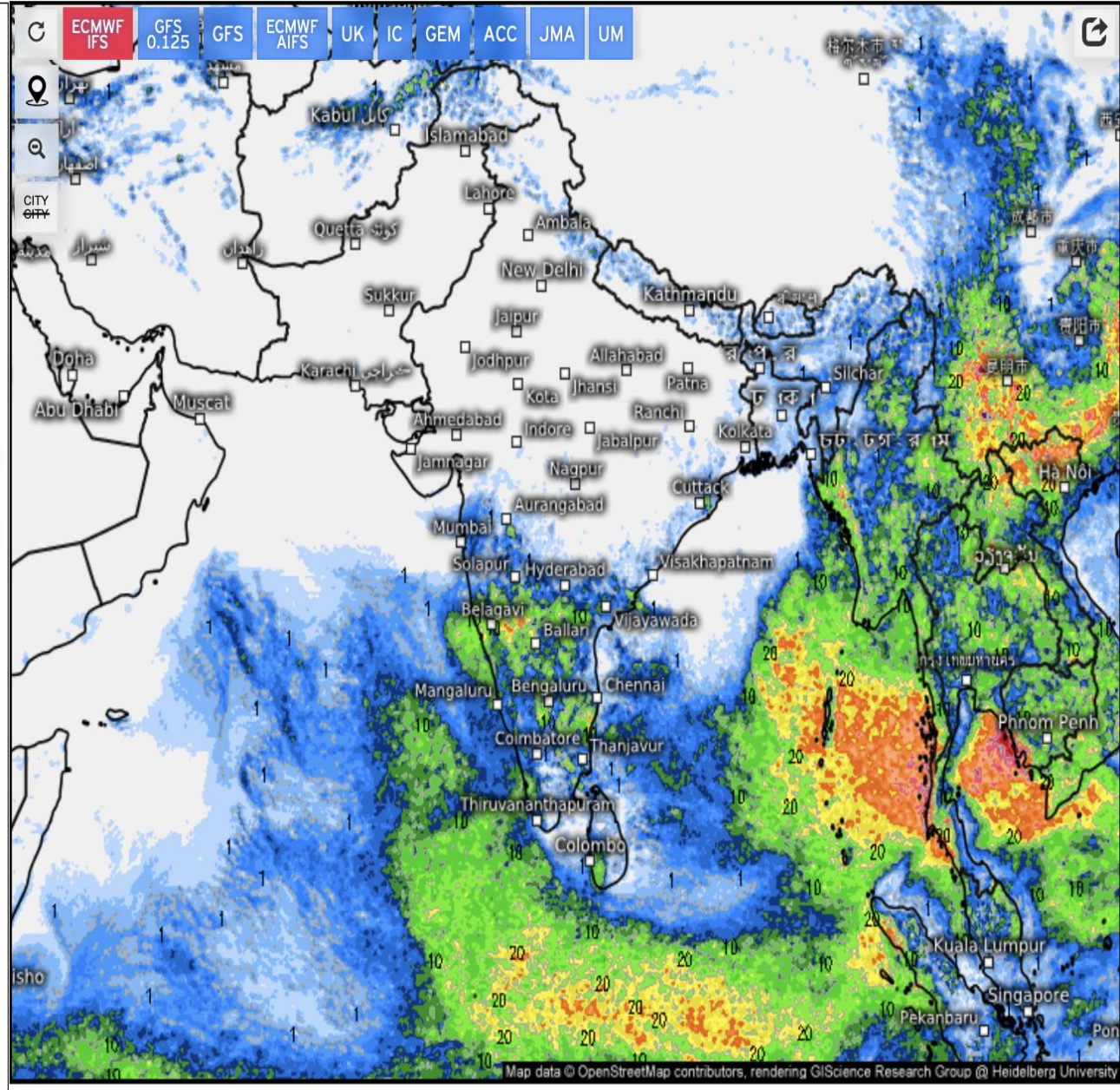

ECMWF IFS
GFS 0.125
GFS
ECMWF AIFS
UK
IC
GEM
ACC
JMA
UM
Kabul
Islamabad
Lahore
Ambala
Quetta
New Delhi
Sukkur
Kathmandu
Jaipur
Doha
Jodhpur
Allahabad
Karachi
Patna
Silchar
Abu Dhabi
Muscat
Kota
Jhansi
Ranchi
Ahmedabad
Indore
Jabalpur
Kolkata
Jamnagar
Nagpur
Cuttack
Aurangabad
Mumbai
Solapur
Hyderabad
Visakhapatnam
Belagavi
Ballari
Vijayawada
Mangaluru
Bengaluru
Chennai
Coimbatore
Thanjavur
Thiruvananthapuram
Colombo
Hà Nội
Phnom Penh
Kuala Lumpur
Singapore
Pekanbaru
Map data © OpenStreetMap contributors, rendering GIScience Research Group @ Heidelberg University
Precipitation, 24h (mm)
Valid for
Sun 06/08/2025, 05:30am IST
0.1
0.5
1
2
3
5
7
10
15
20
25
30
35
40
45
50
60
70
80
90
100
125
150
200
300

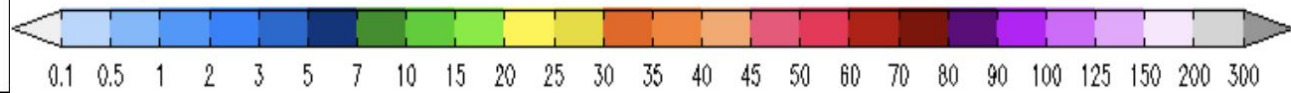
IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (120 HR)

based on 00 UTC of 05-06-2025 valid for 03 UTC of 10-06-2025



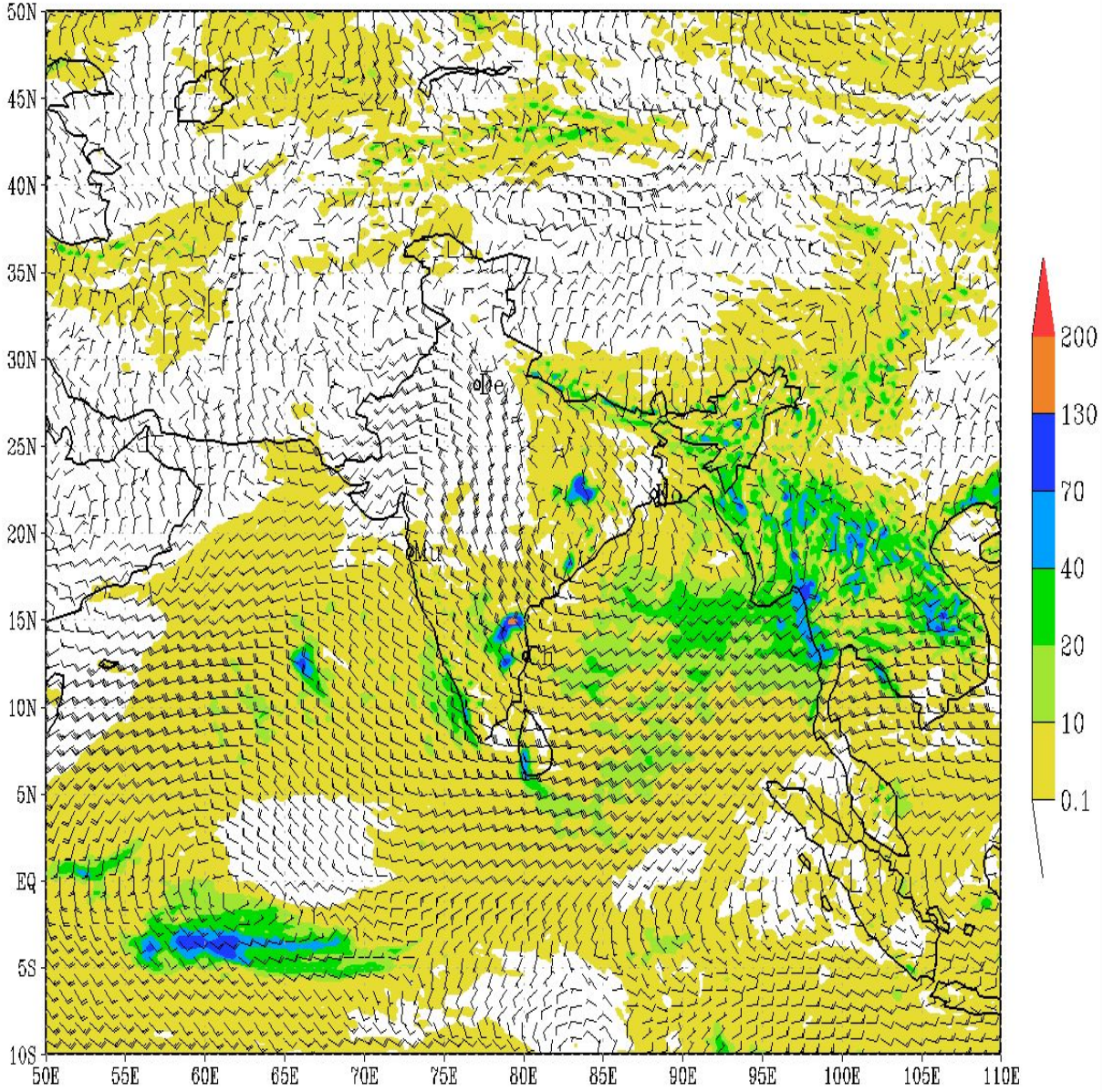
(Background does not depict political boundary)



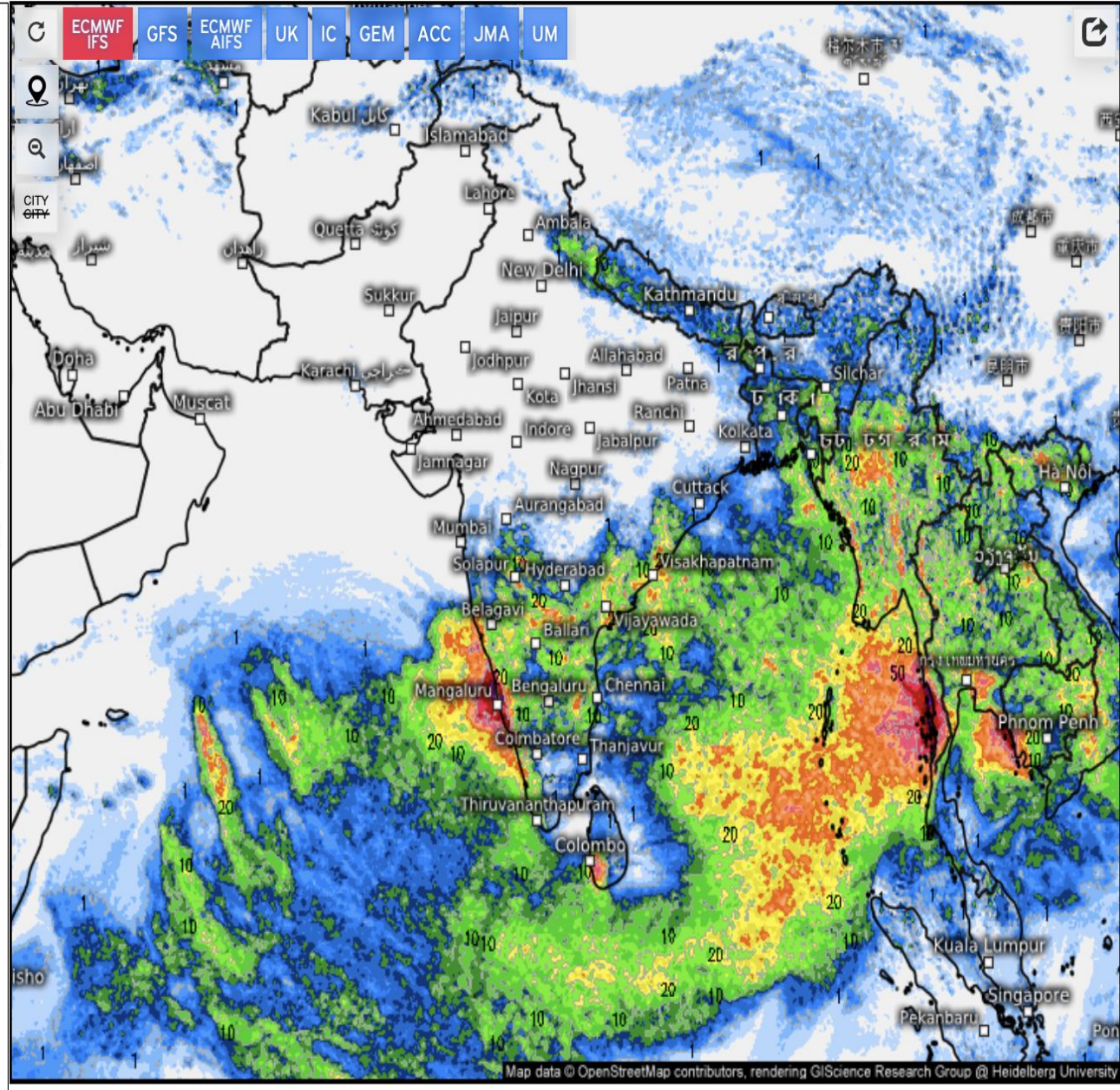


IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (168 HR)

based on 00 UTC of 05-06-2025 valid for 03 UTC of 12-06-2025

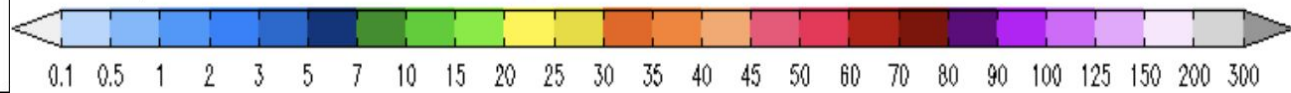


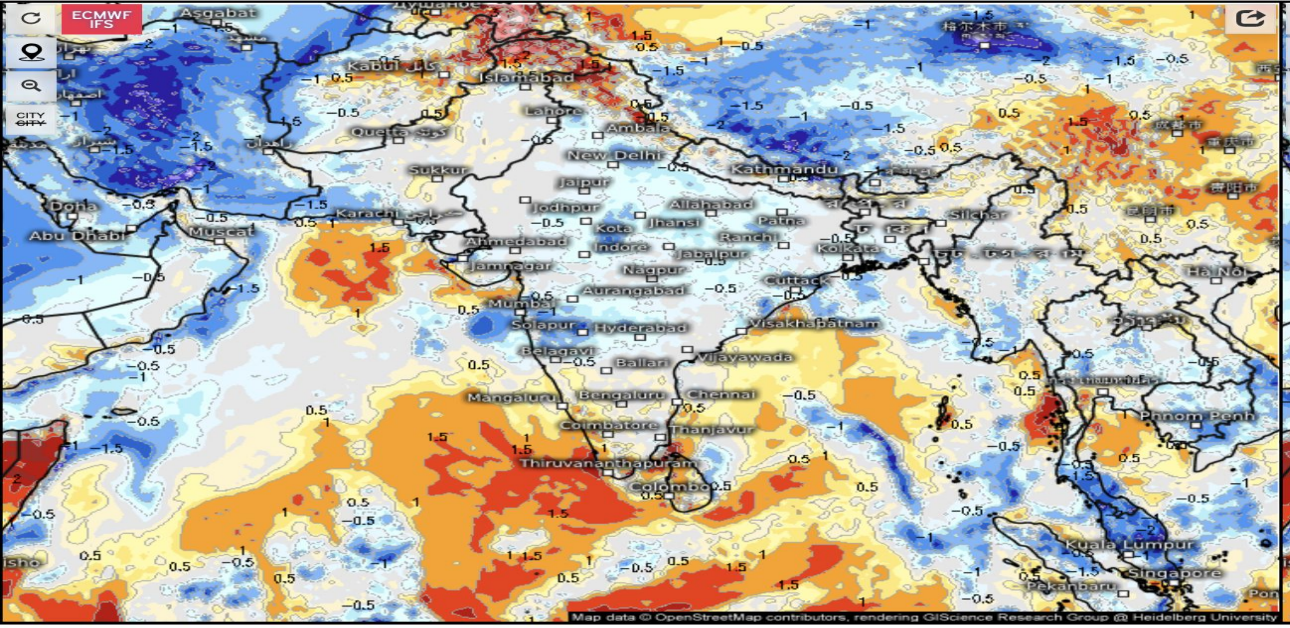
(Background does not depict political boundary)



Precipitation, 24h (mm)

Valid for
Thu 06/12/2025, 05:30am IST

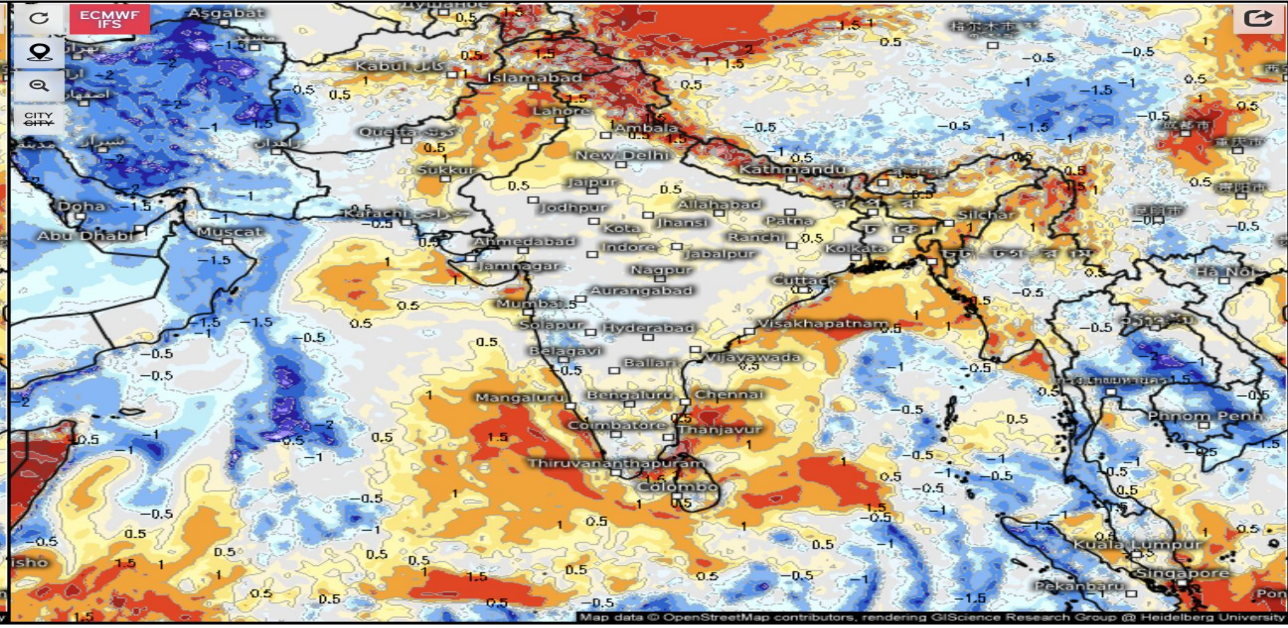




Temperature anomaly (std. deviation)

Valid for
Fri 06/06/2025, 02:30pm IST

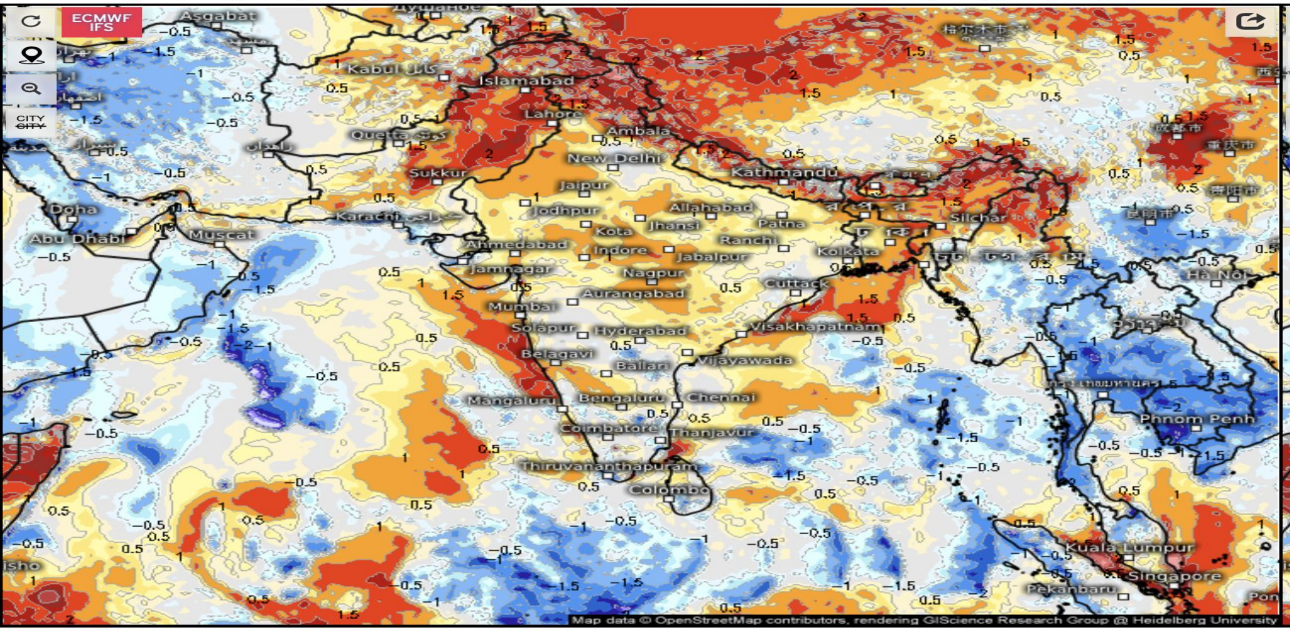
−4 −3.5 −3 −2.5 −2 −1.5 −1 −0.75 −0.5 −0.25 0.25 0.5 0.75 1 1.5 2 2.5 3 3.5 4 5



Temperature anomaly (std. deviation)

Valid for
Sun 06/08/2025, 02:30pm IST

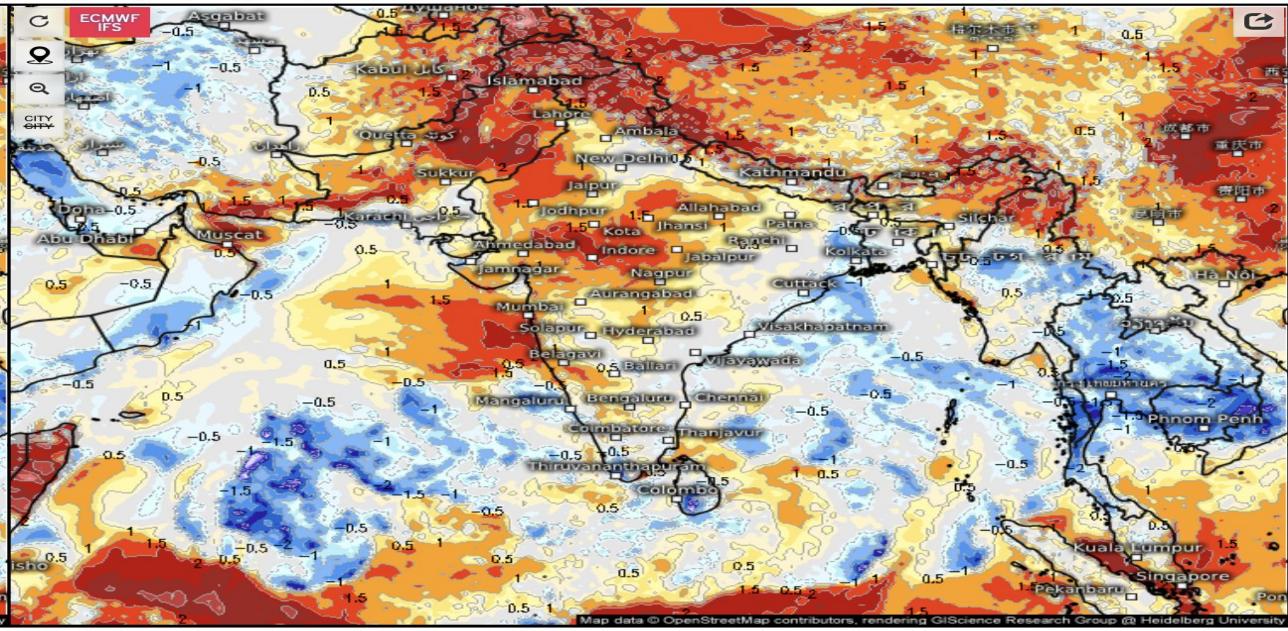
−4 −3.5 −3 −2.5 −2 −1.5 −1 −0.75 −0.5 −0.25 0.25 0.5 0.75 1 1.5 2 2.5 3 3.5 4 5



Temperature anomaly (std. deviation)

Valid for
Tue 06/10/2025, 02:30pm IST

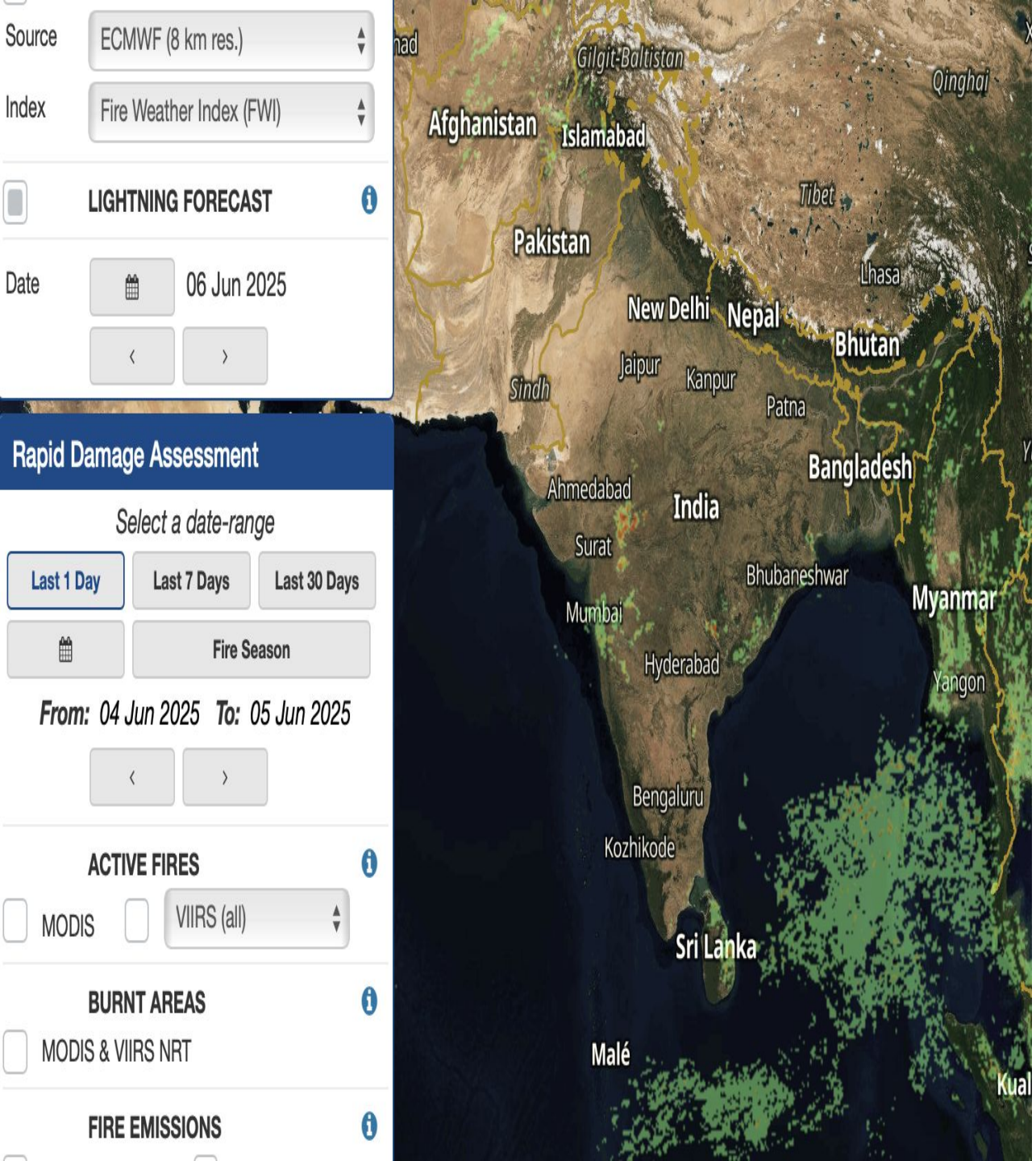
−4 −3.5 −3 −2.5 −2 −1.5 −1 −0.75 −0.5 −0.25 0.25 0.5 0.75 1 1.5 2 2.5 3 3.5 4 5



Temperature anomaly (std. deviation)

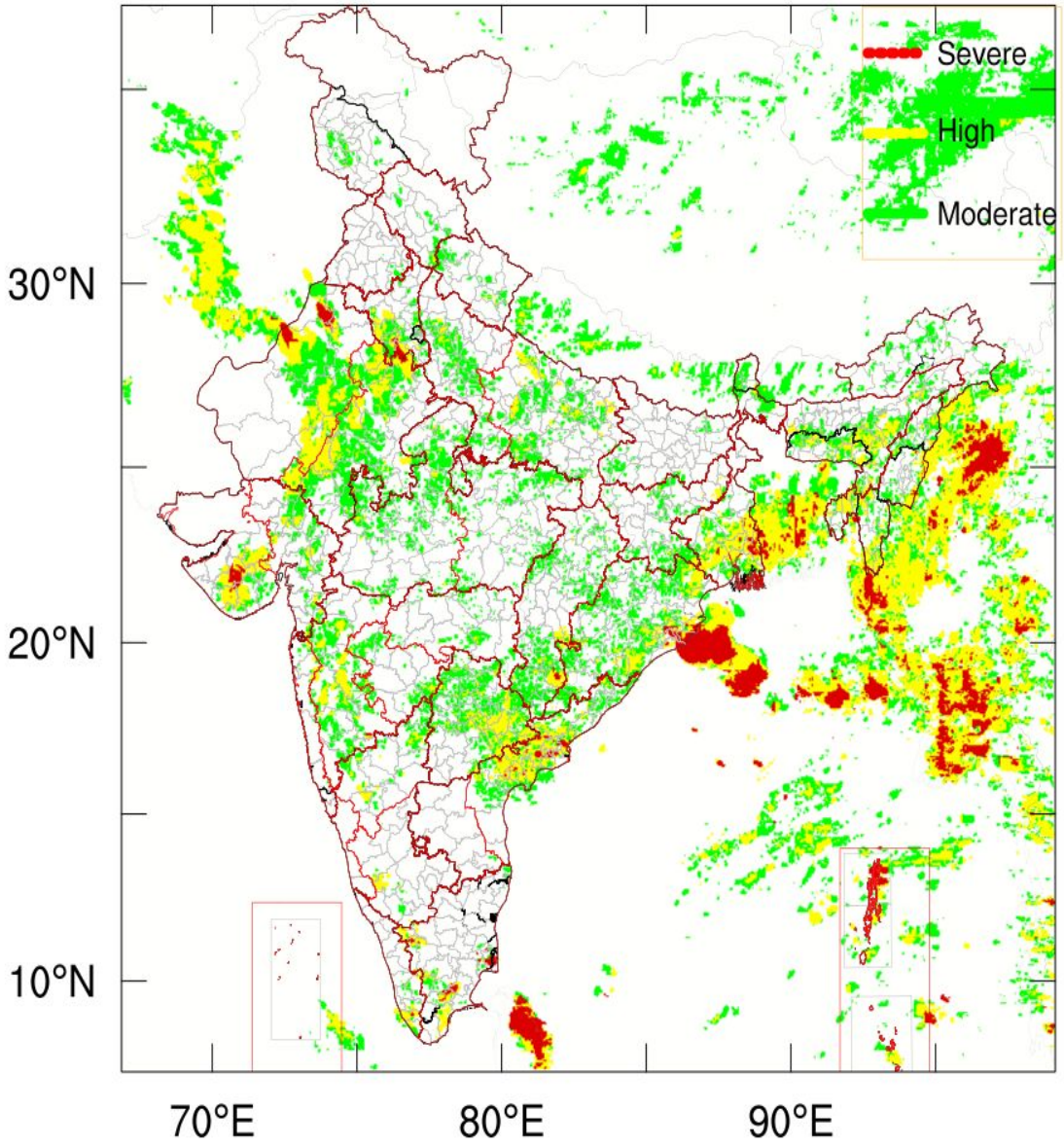
Valid for
Thu 06/12/2025, 11:30am IST

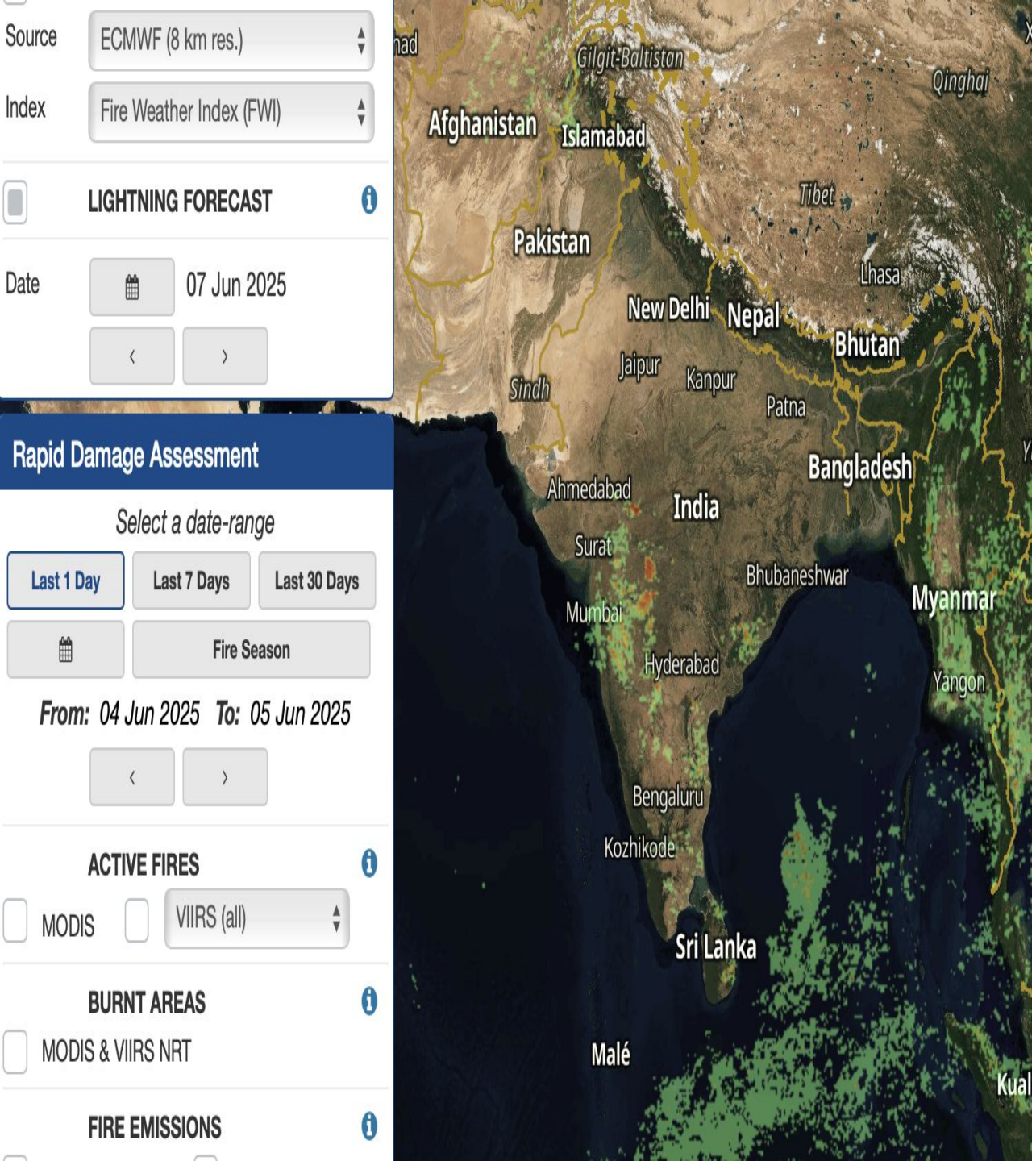
−4 −3.5 −3 −2.5 −2 −1.5 −1 −0.75 −0.5 −0.25 0.25 0.5 0.75 1 1.5 2 2.5 3 3.5 4 5



EWRF (3km): Accumulated Lightning Density forecast for 2025-06-05(24hr)

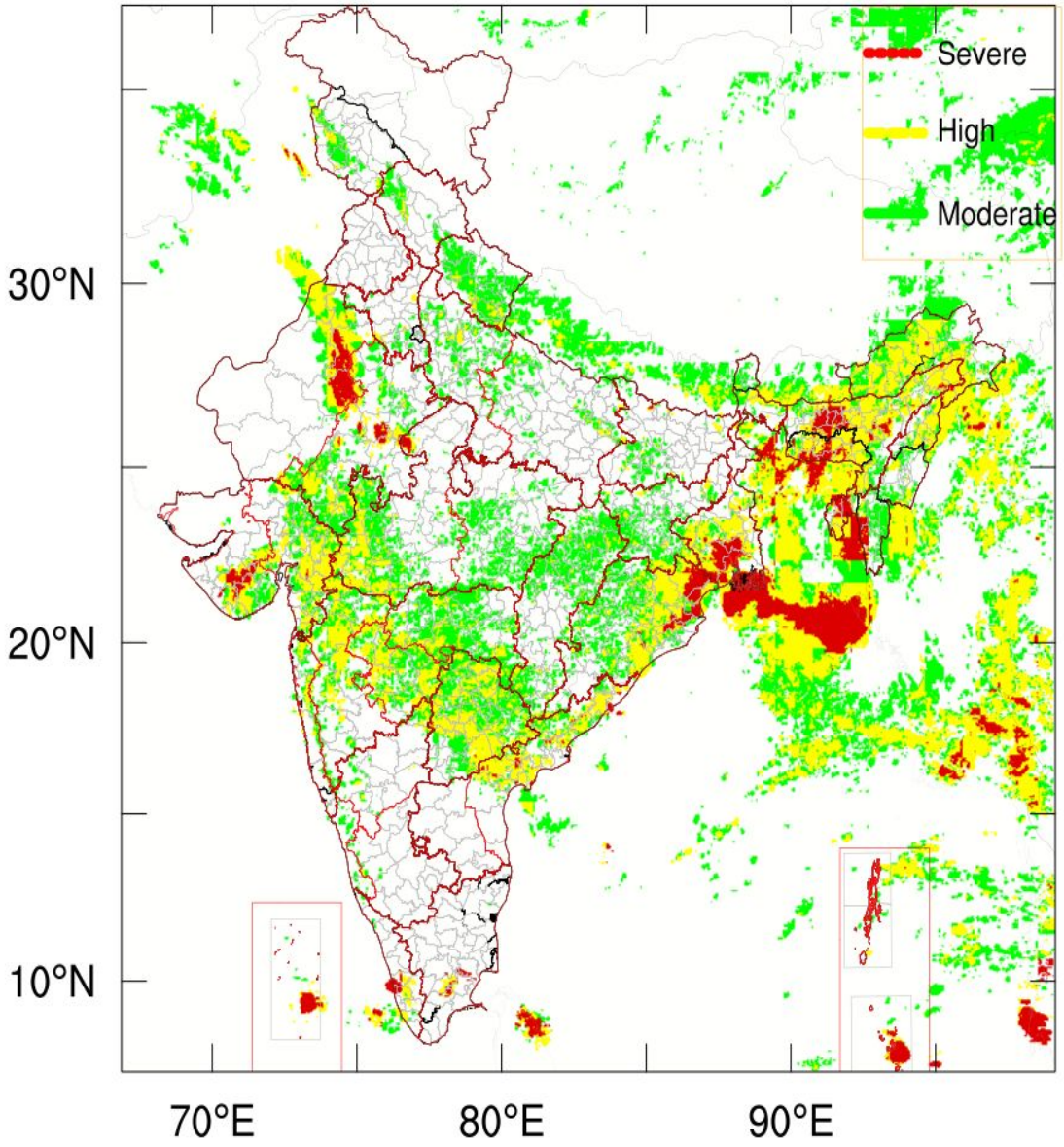
Based on IC 00 UTC of 2025-06-05 valid upto 00 UTC of 2025-06-06

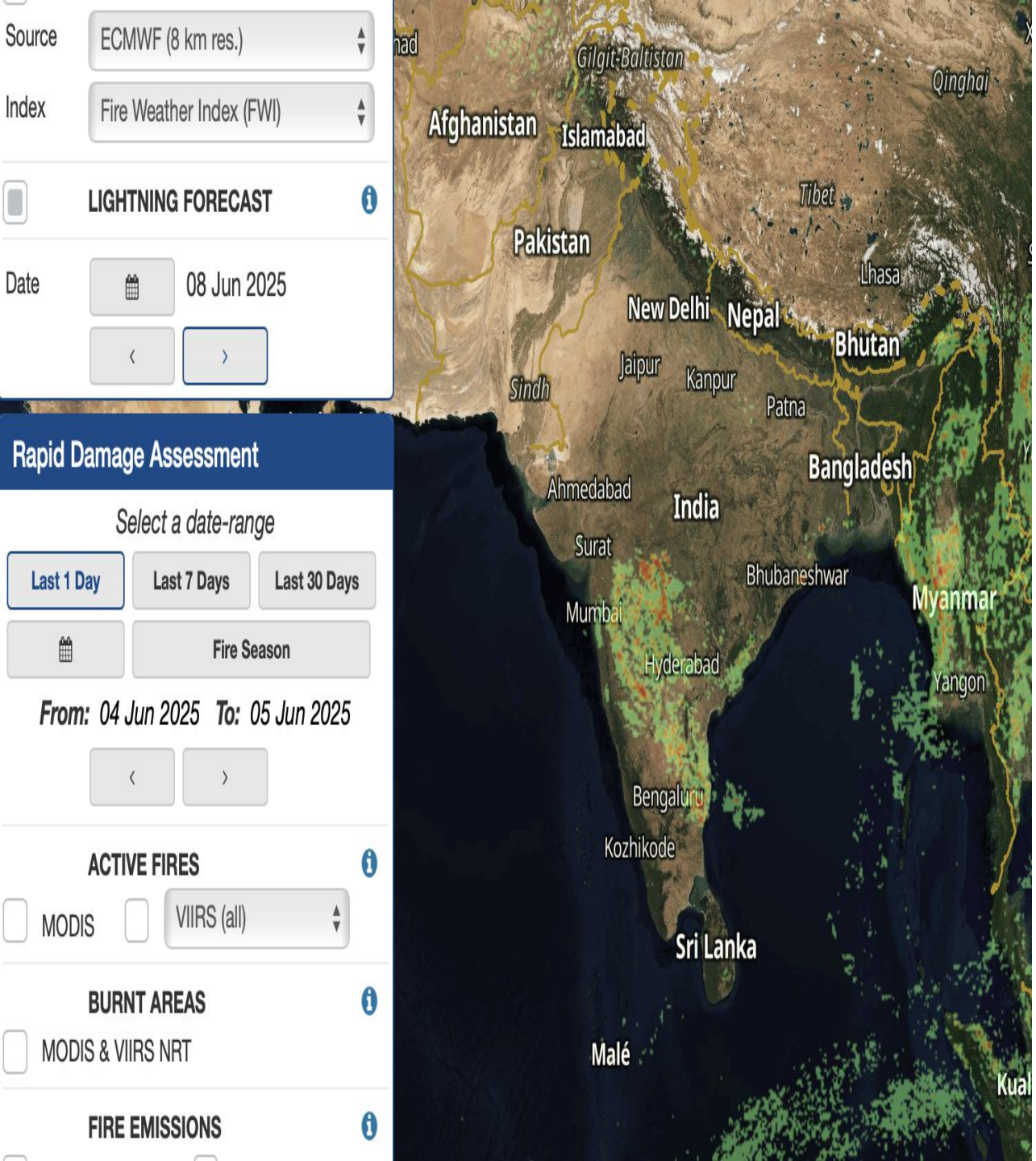




EWRF (3km): Accumulated Lightning Density Forecast for 2025-06-05(48hr)

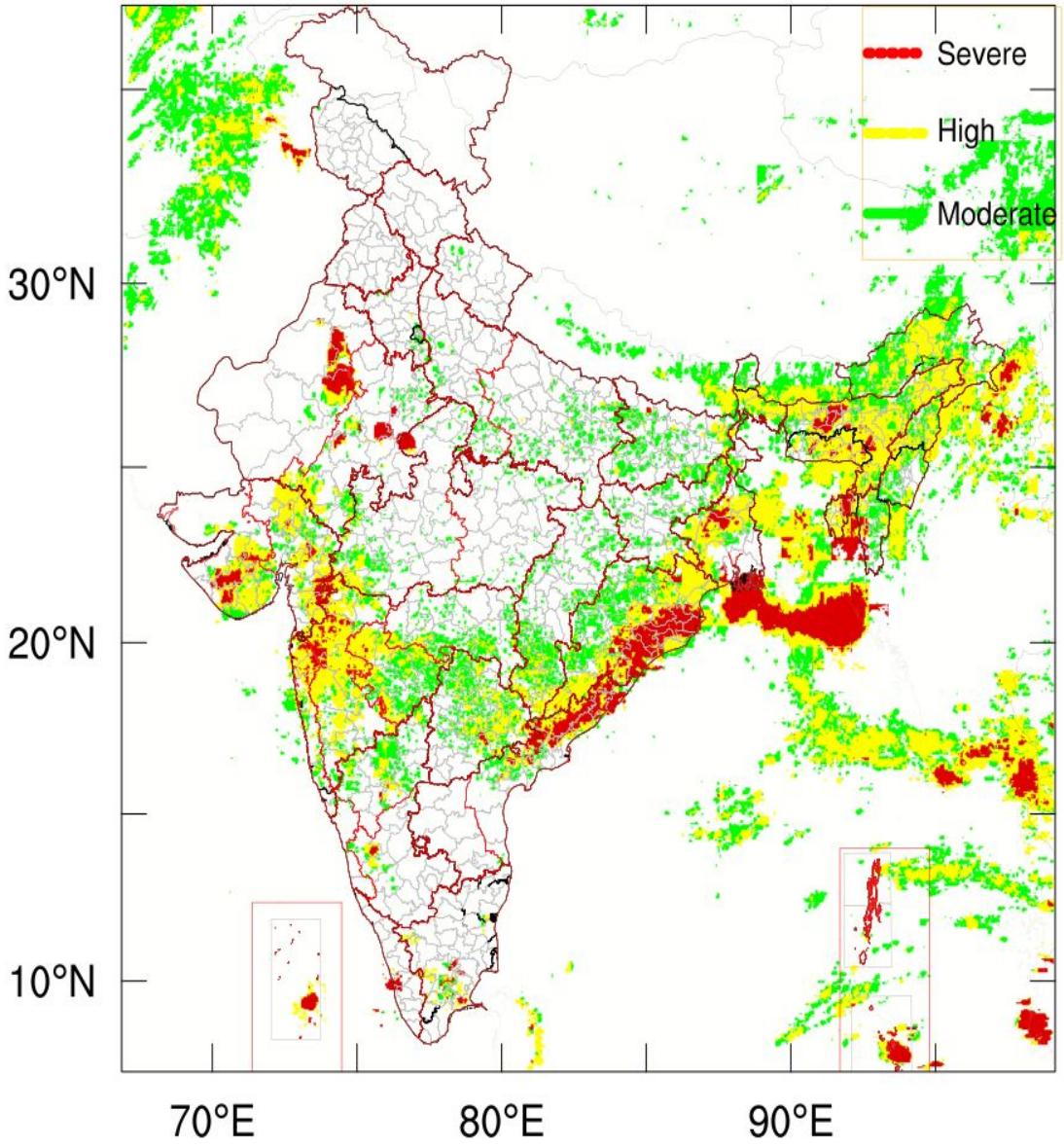
Based on IC 00 UTC of 2025-06-04 valid upto 00 UTC of 2025-06-06

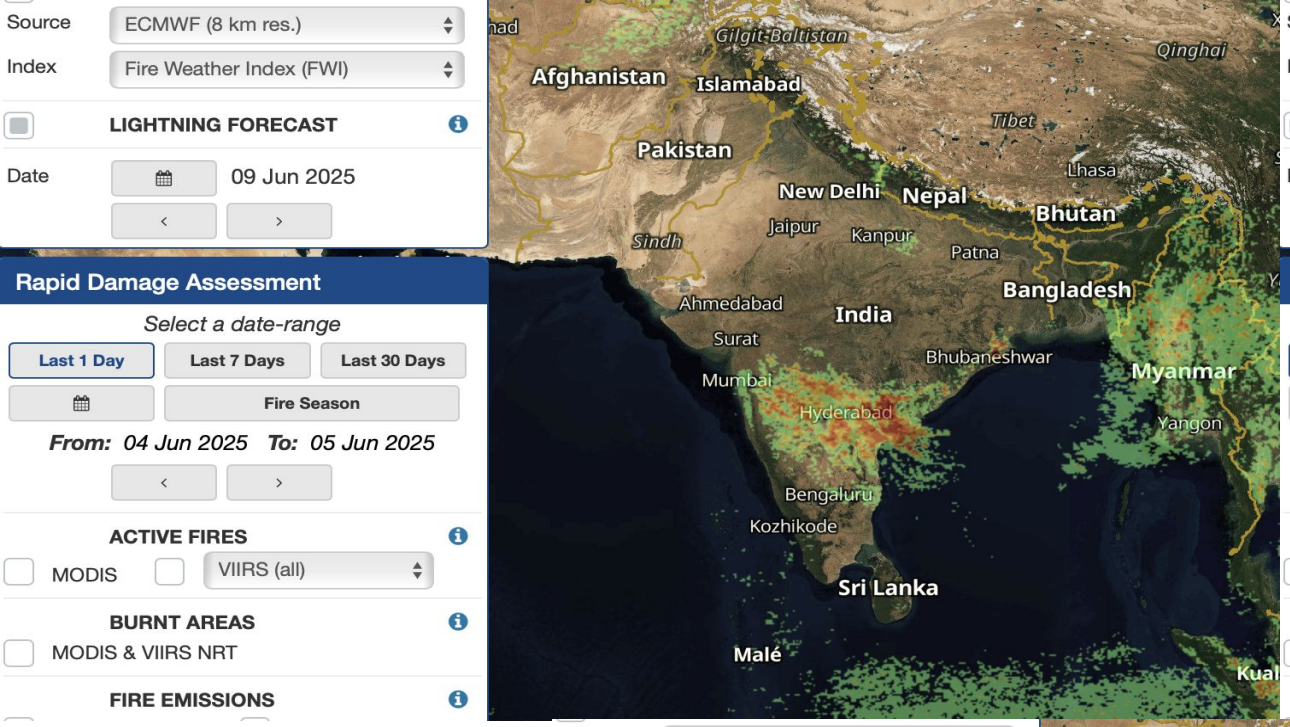


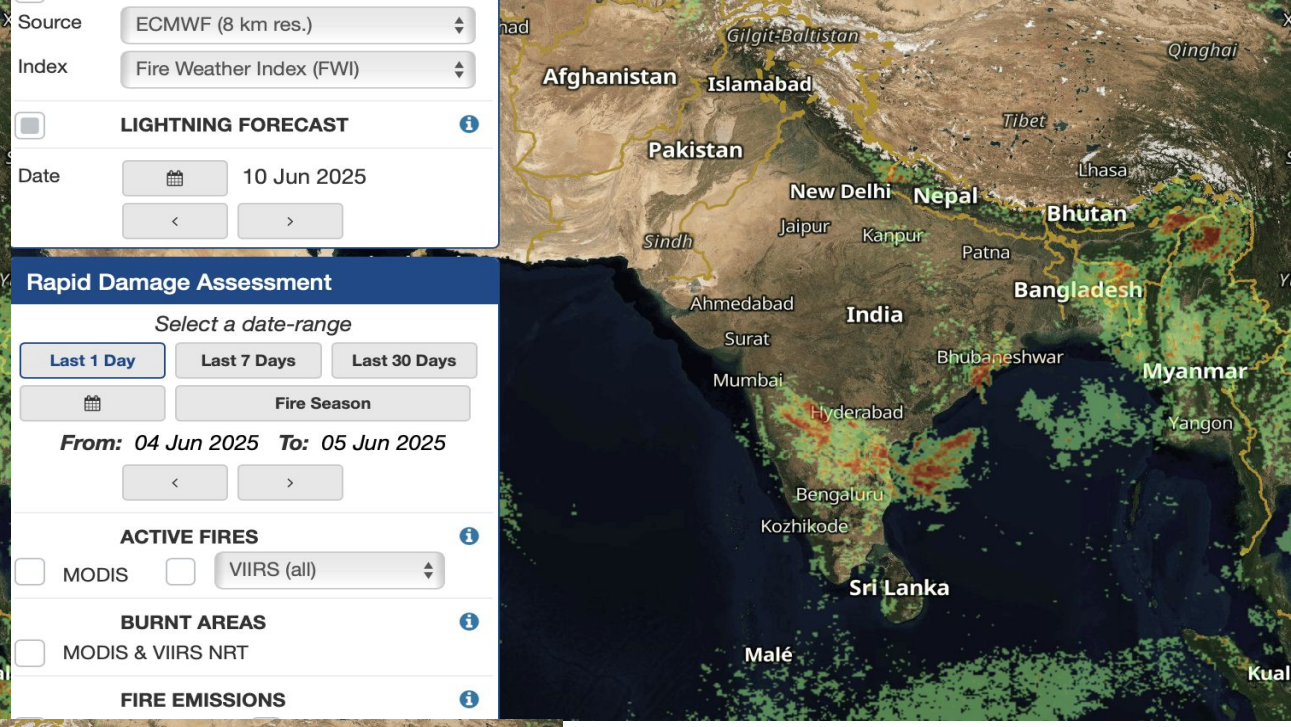


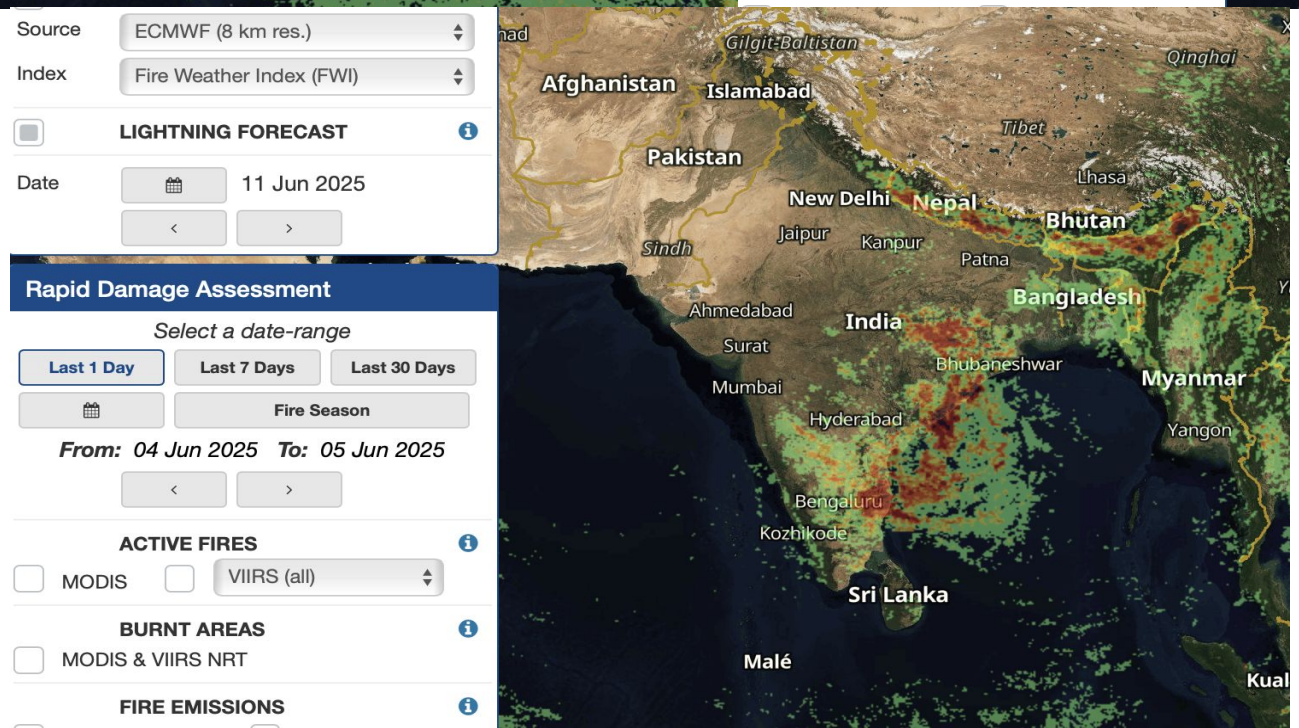
EWRF (3km): Accumulated Lightning Density Forecast for 2025-06-06(72 hr)

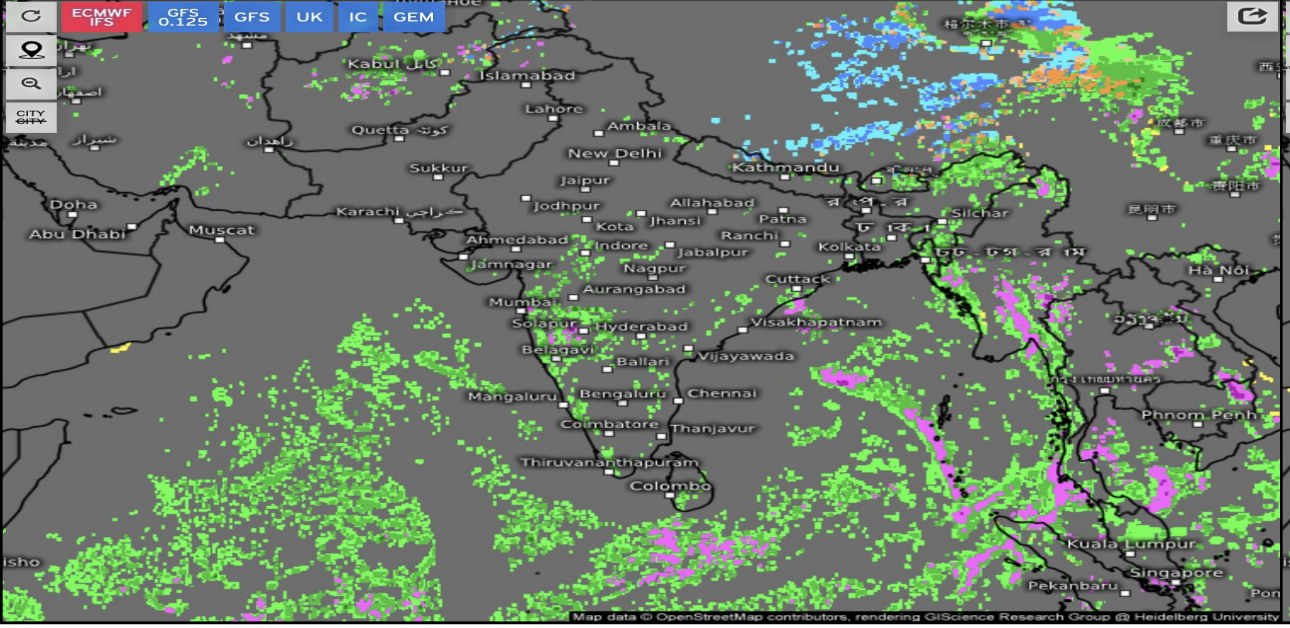
Based on IC 00 UTC of 2025-06-04 valid upto 00 UTC of 2025-06-07




Source
ECMWF (8 km res.)
Index
Fire Weather Index (FWI)
LIGHTNING FORECAST
Date
09 Jun 2025
Rapid Damage Assessment
Select a date-range
Last 1 Day
Last 7 Days
Last 30 Days
Fire Season
From: 04 Jun 2025 To: 05 Jun 2025
ACTIVE FIRES
MODIS
VIIRS (all)
BURNT AREAS
MODIS & VIIRS NRT
FIRE EMISSIONS
Gilgit-Baltistan
Qinghai
Afghanistan
Islamabad
Tibet
Pakistan
Lhasa
New Delhi
Nepal
Bhutan
Sindh
Jaipur
Kanpur
Patna
Bangladesh
Ahmedabad
India
Surat
Bhubaneshwar
Mumbai
Myanmar
Hyderabad
Yangon
Bengaluru
Kozhikode
Sri Lanka
Malé


Source
ECMWF (8 km res.)
Index
Fire Weather Index (FWI)
LIGHTNING FORECAST
Date
10 Jun 2025
Rapid Damage Assessment
Select a date-range
Last 1 Day
Last 7 Days
Last 30 Days
Fire Season
From: 04 Jun 2025 To: 05 Jun 2025
ACTIVE FIRES
MODIS
VIIRS (all)
BURNT AREAS
MODIS & VIIRS NRT
FIRE EMISSIONS
Gilgit-Baltistan
Qinghai
Afghanistan
Islamabad
Tibet
Pakistan
Lhasa
New Delhi
Nepal
Bhutan
Sindh
Jaipur
Kanpur
Patna
Bangladesh
Ahmedabad
India
Surat
Bhubaneshwar
Mumbai
Myanmar
Hyderabad
Yangon
Bengaluru
Kozhikode
Sri Lanka
Malé

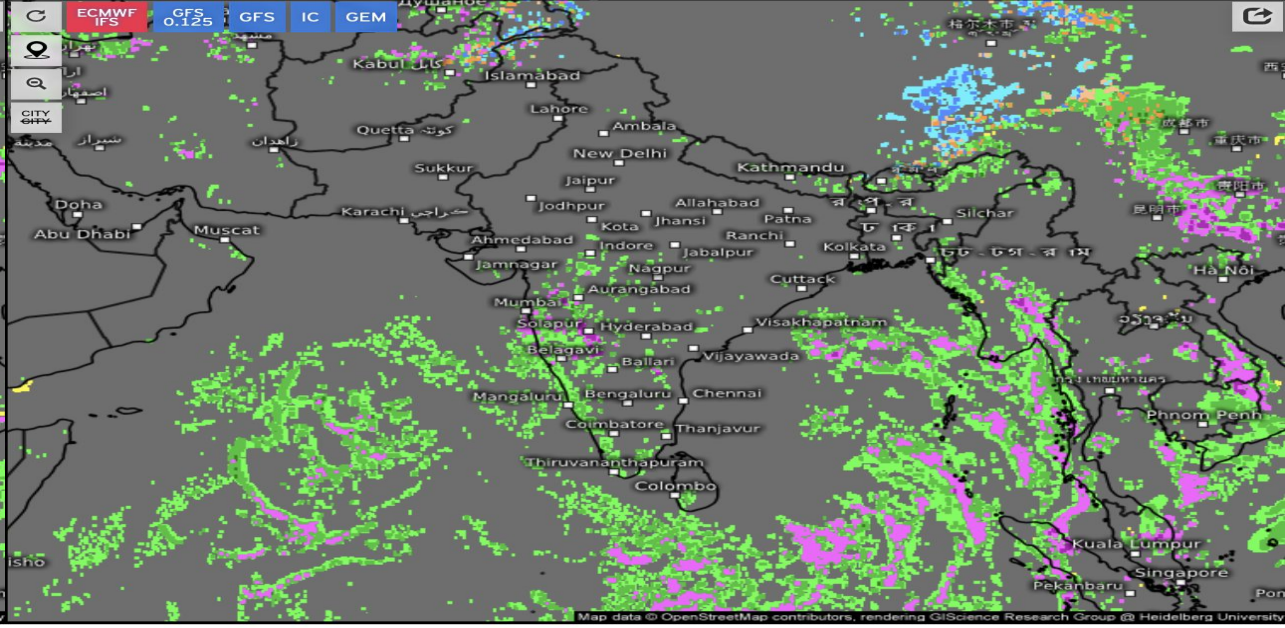

Source
ECMWF (8 km res.)
Index
Fire Weather Index (FWI)
LIGHTNING FORECAST
Date
11 Jun 2025
Rapid Damage Assessment
Select a date-range
Last 1 Day
Last 7 Days
Last 30 Days
Fire Season
From: 04 Jun 2025 To: 05 Jun 2025
ACTIVE FIRES
MODIS
VIIRS (all)
BURNT AREAS
MODIS & VIIRS NRT
FIRE EMISSIONS
Gilgit-Baltistan
Qinghai
Afghanistan
Islamabad
Tibet
Pakistan
Lhasa
New Delhi
Nepal
Bhutan
Sindh
Jaipur
Kanpur
Patna
Bangladesh
Ahmedabad
India
Surat
Bhubaneshwar
Mumbai
Myanmar
Hyderabad
Yangon
Bengaluru
Kozhikode
Sri Lanka
Malé



Significant Weather

Valid for
Fri 06/06/2025, 05:30pm IST

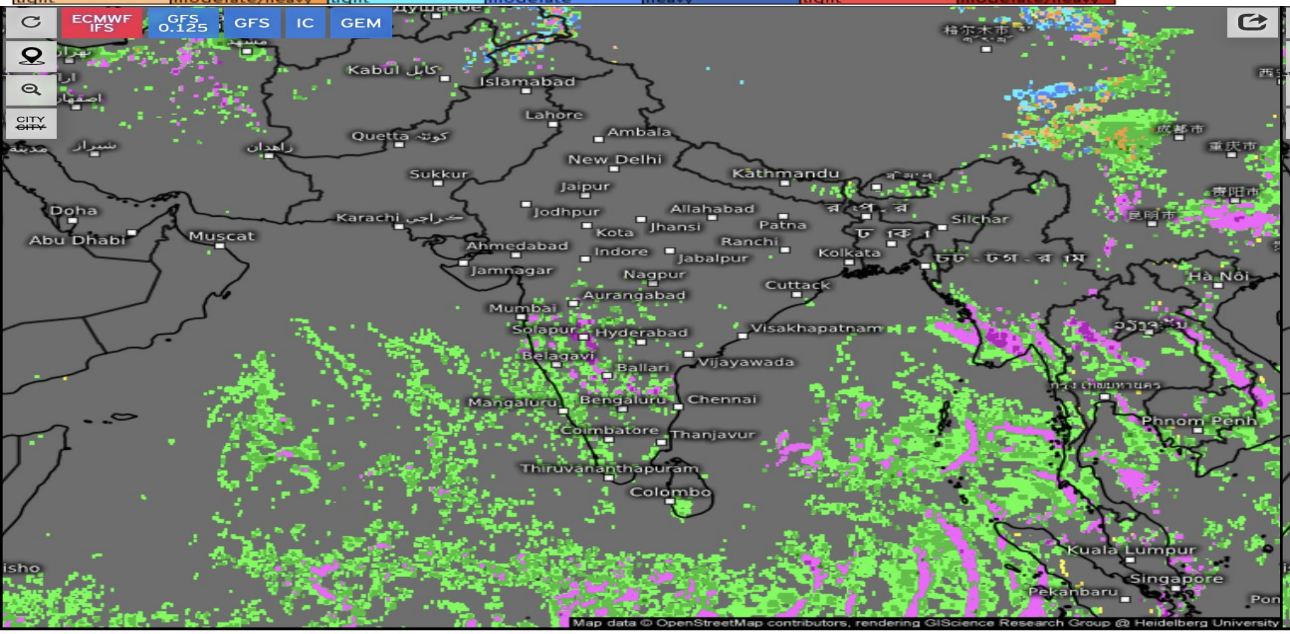
Fog	Fog freezing	Rain light	Rain moderate	Rain heavy	Thunderstorm nearby	Thunderstorm light/moderate	Thunderstorm severe
Mixed Rain/Snow light	Mixed Rain/Snow moderate/heavy	Snow light	Snow moderate	Snow heavy	Ice light	Ice moderate/heavy



Significant Weather

Valid for
Sat 06/07/2025, 05:30pm IST

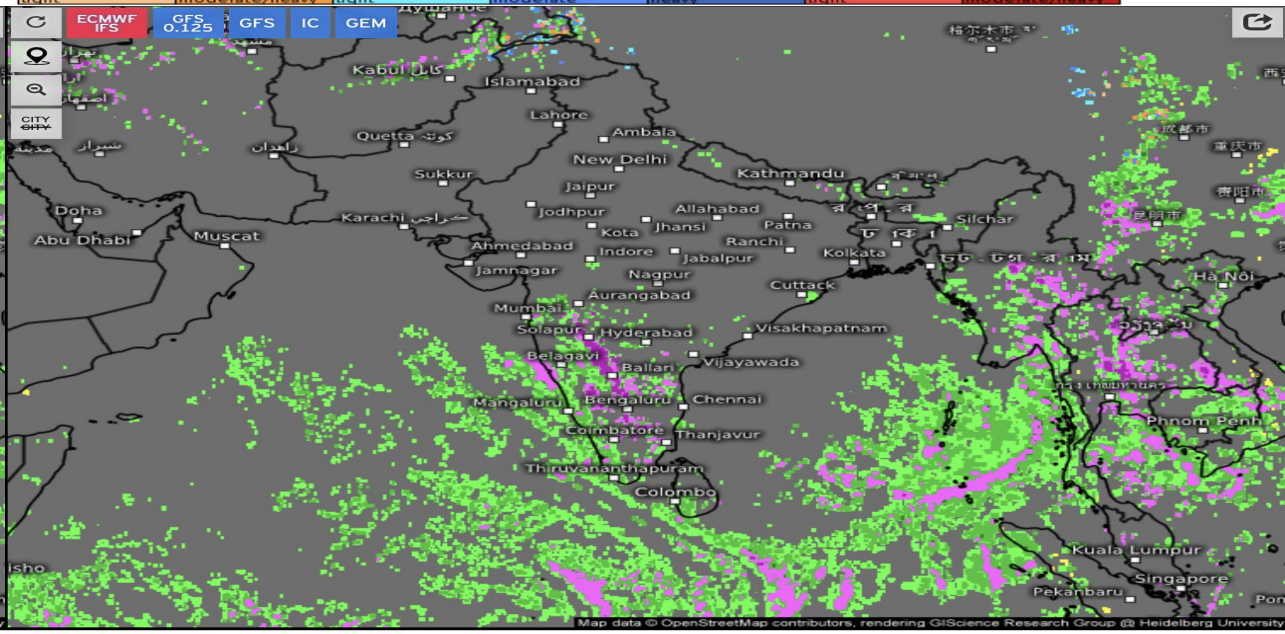
Fog	Fog freezing	Rain light	Rain moderate	Rain heavy	Thunderstorm nearby	Thunderstorm light/moderate	Thunderstorm severe
Mixed Rain/Snow light	Mixed Rain/Snow moderate/heavy	Snow light	Snow moderate	Snow heavy	Ice light	Ice moderate/heavy



Significant Weather

Valid for
Sun 06/08/2025, 05:30pm IST

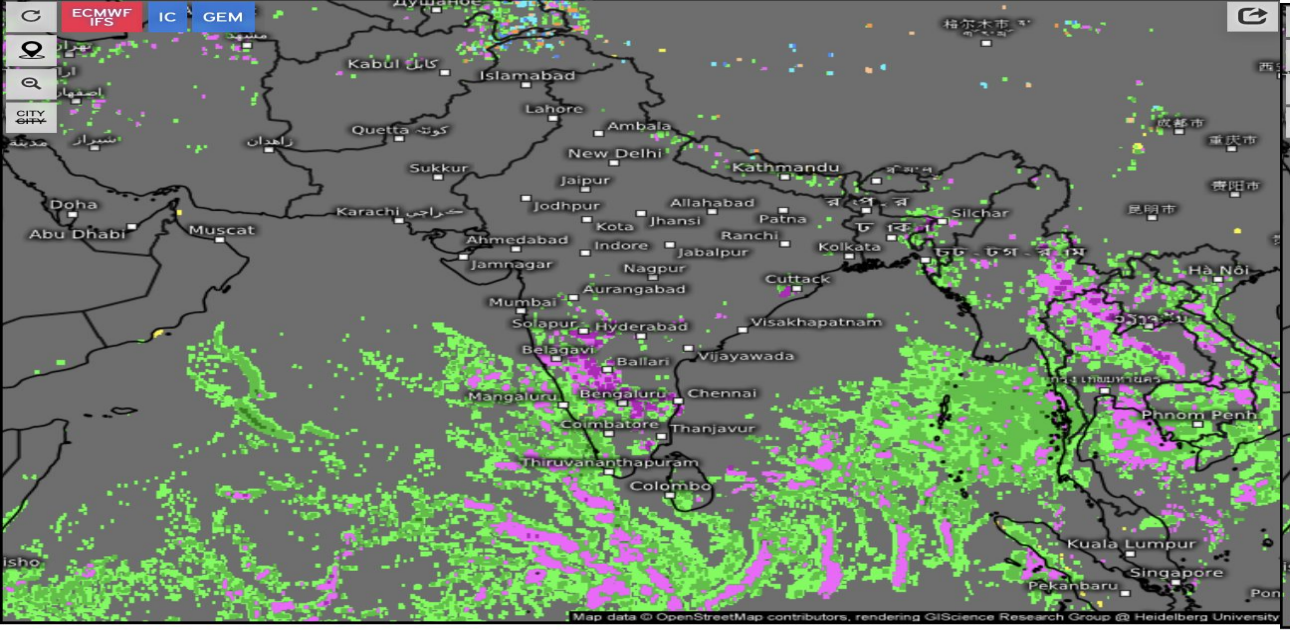
Fog	Fog freezing	Rain light	Rain moderate	Rain heavy	Thunderstorm nearby	Thunderstorm light/moderate	Thunderstorm severe
Mixed Rain/Snow light	Mixed Rain/Snow moderate/heavy	Snow light	Snow moderate	Snow heavy	Ice light	Ice moderate/heavy



Significant Weather

Valid for
Mon 06/09/2025, 05:30pm IST

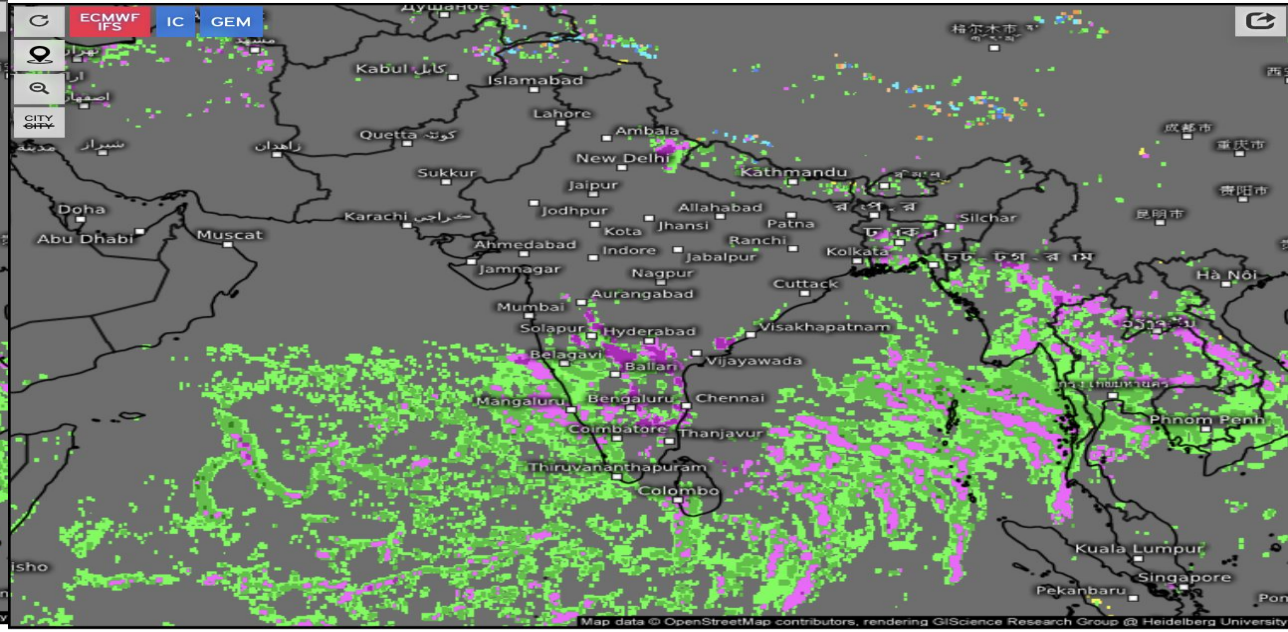
Fog	Fog freezing	Rain light	Rain moderate	Rain heavy	Thunderstorm nearby	Thunderstorm light/moderate	Thunderstorm severe
Mixed Rain/Snow light	Mixed Rain/Snow moderate/heavy	Snow light	Snow moderate	Snow heavy	Ice light	Ice moderate/heavy



Significant Weather

Valid for
Tue 06/10/2025, 05:30pm IST

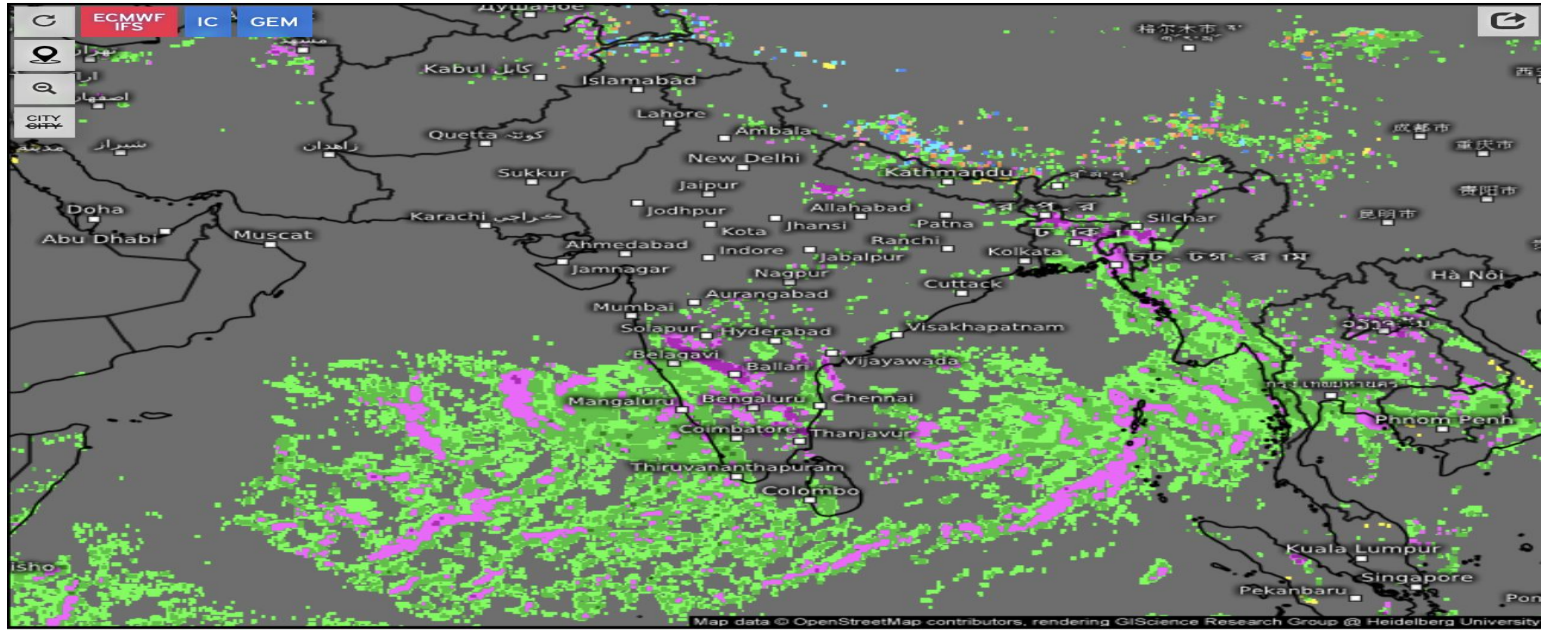
Fog	Fog freezing	Rain light	Rain moderate	Rain heavy	Thunderstorm nearby	Thunderstorm light/moderate	Thunderstorm severe
Mixed Rain/Snow light	Mixed Rain/Snow moderate/heavy	Snow light	Snow moderate	Snow heavy	Ice light	Ice moderate/heavy	



Significant Weather

Valid for
Wed 06/11/2025, 05:30pm IST

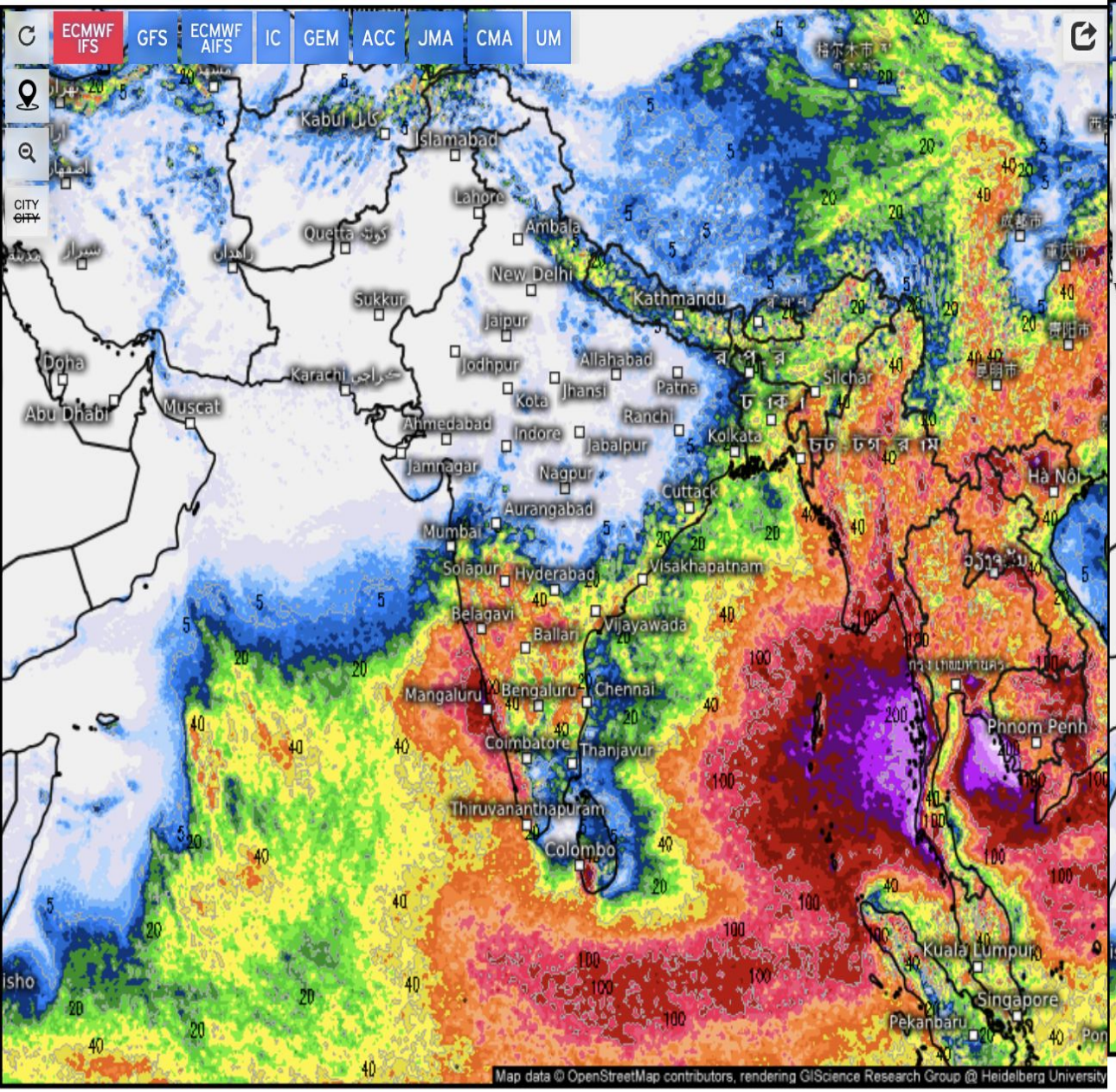
Fog	Fog freezing	Rain light	Rain moderate	Rain heavy	Thunderstorm nearby	Thunderstorm light/moderate	Thunderstorm severe
Mixed Rain/Snow light	Mixed Rain/Snow moderate/heavy	Snow light	Snow moderate	Snow heavy	Ice light	Ice moderate/heavy	

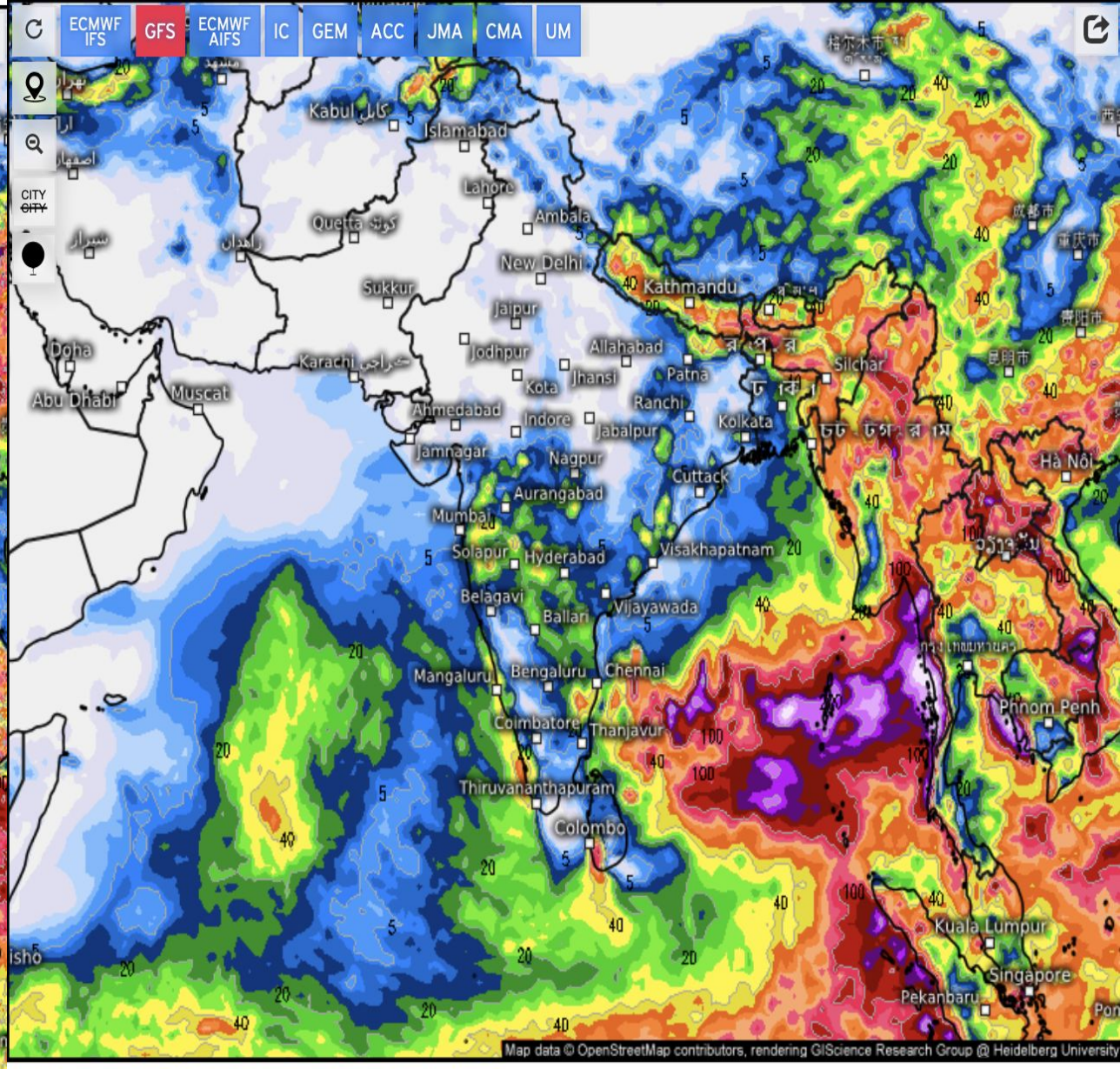


Significant Weather

Valid for
Thu 06/12/2025, 05:30pm IST

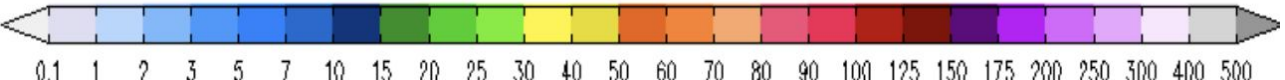
Fog	Fog freezing	Rain light	Rain moderate	Rain heavy	Thunderstorm nearby	Thunderstorm light/moderate	Thunderstorm severe
Mixed Rain/Snow light	Mixed Rain/Snow moderate/heavy	Snow light	Snow moderate	Snow heavy	Ice light	Ice moderate/heavy	





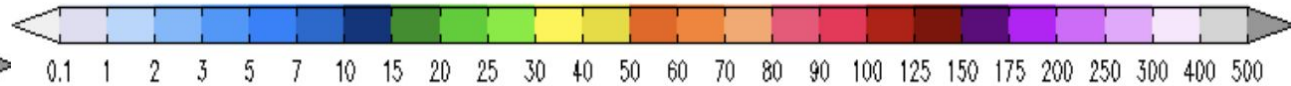
Accumulated total precipitation (mm)

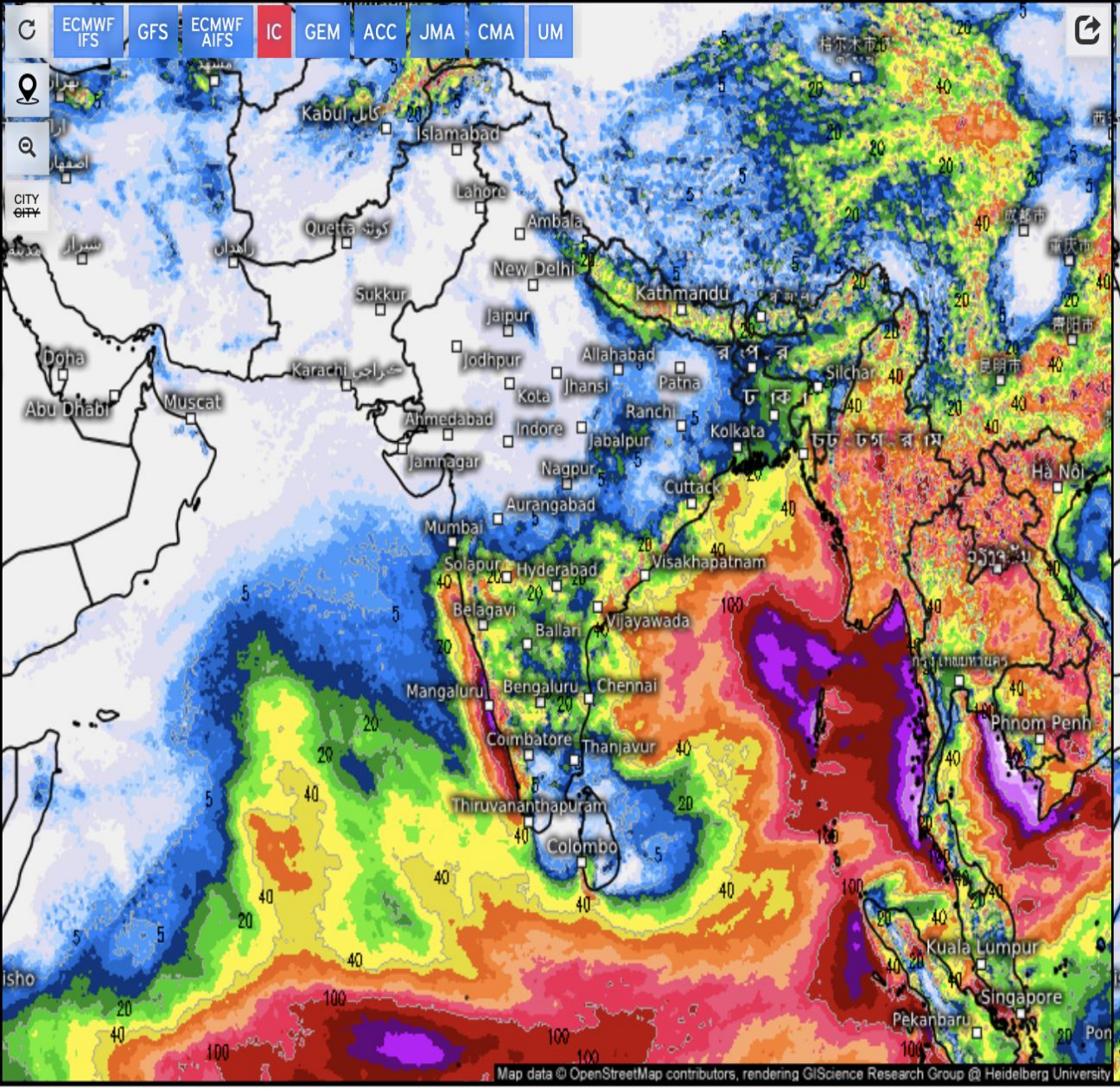
From Thu 06/05/2025, 05:30am IST
to Thu 06/12/2025, 05:30pm IST

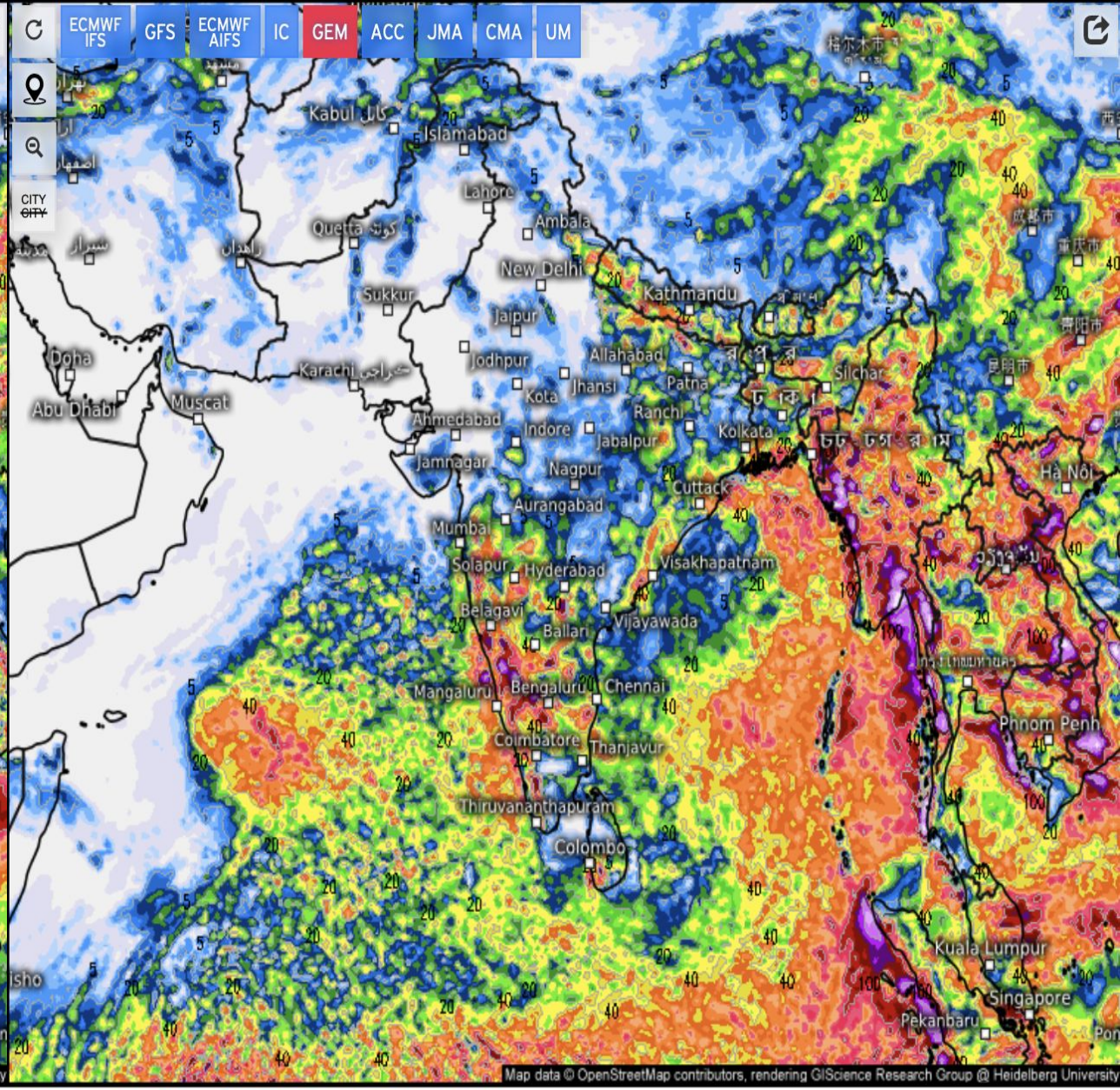


Accumulated total precipitation (mm)

From Thu 06/05/2025, 05:30am IST
to Thu 06/12/2025, 05:30pm IST

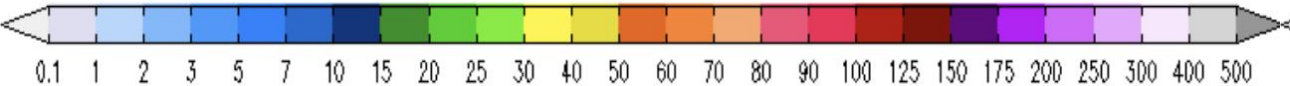






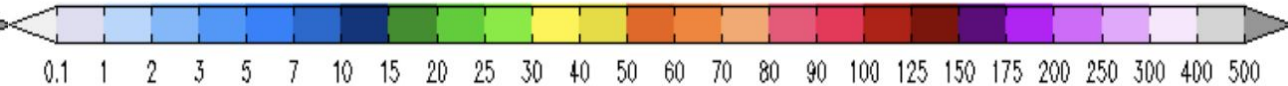
Accumulated total precipitation (mm)

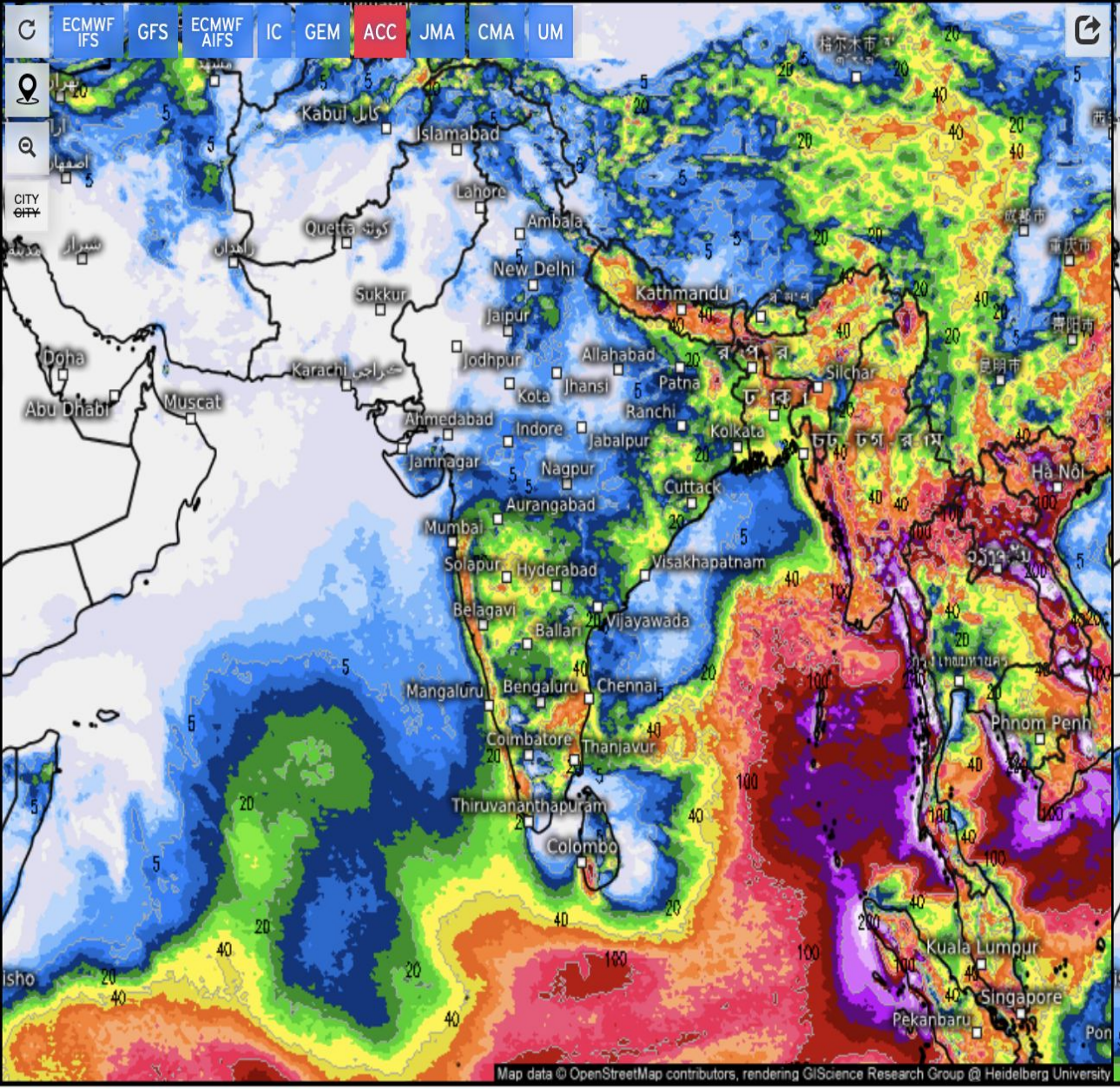
From Thu 06/05/2025, 05:30am IST
to Thu 06/12/2025, 05:30pm IST

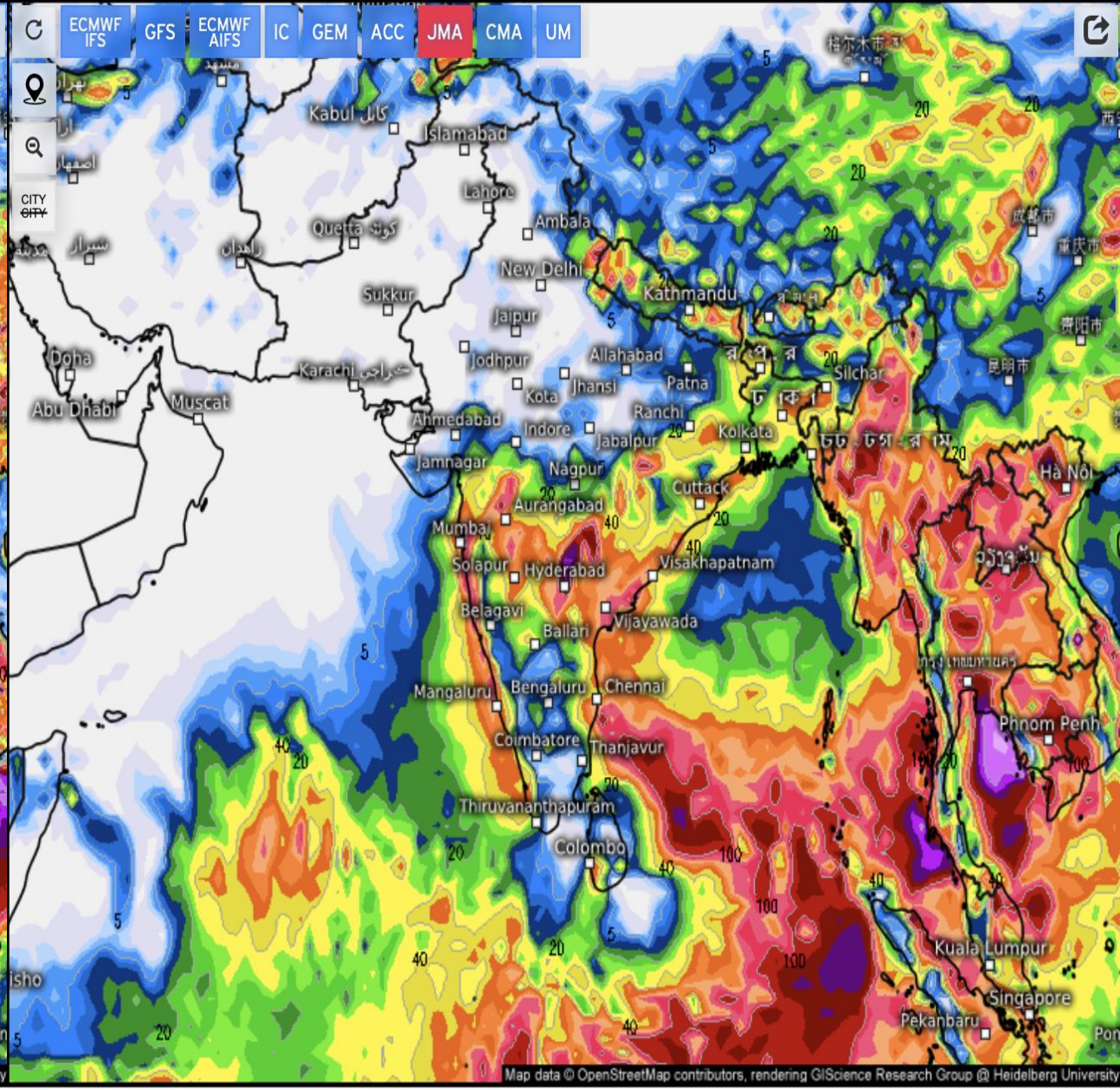


Accumulated total precipitation (mm)

From Thu 06/05/2025, 05:30am IST
to Thu 06/12/2025, 05:30pm IST

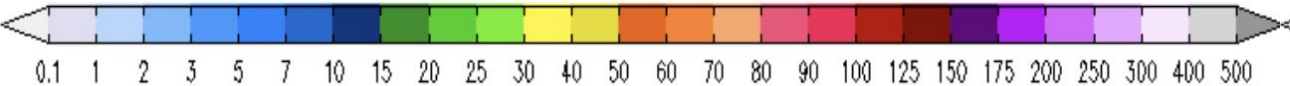






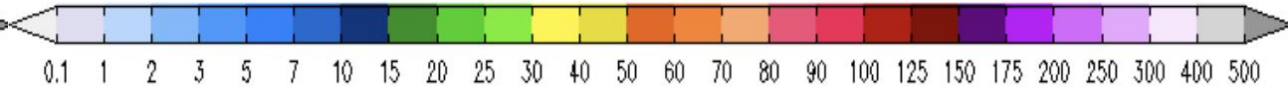
Accumulated total precipitation (mm)

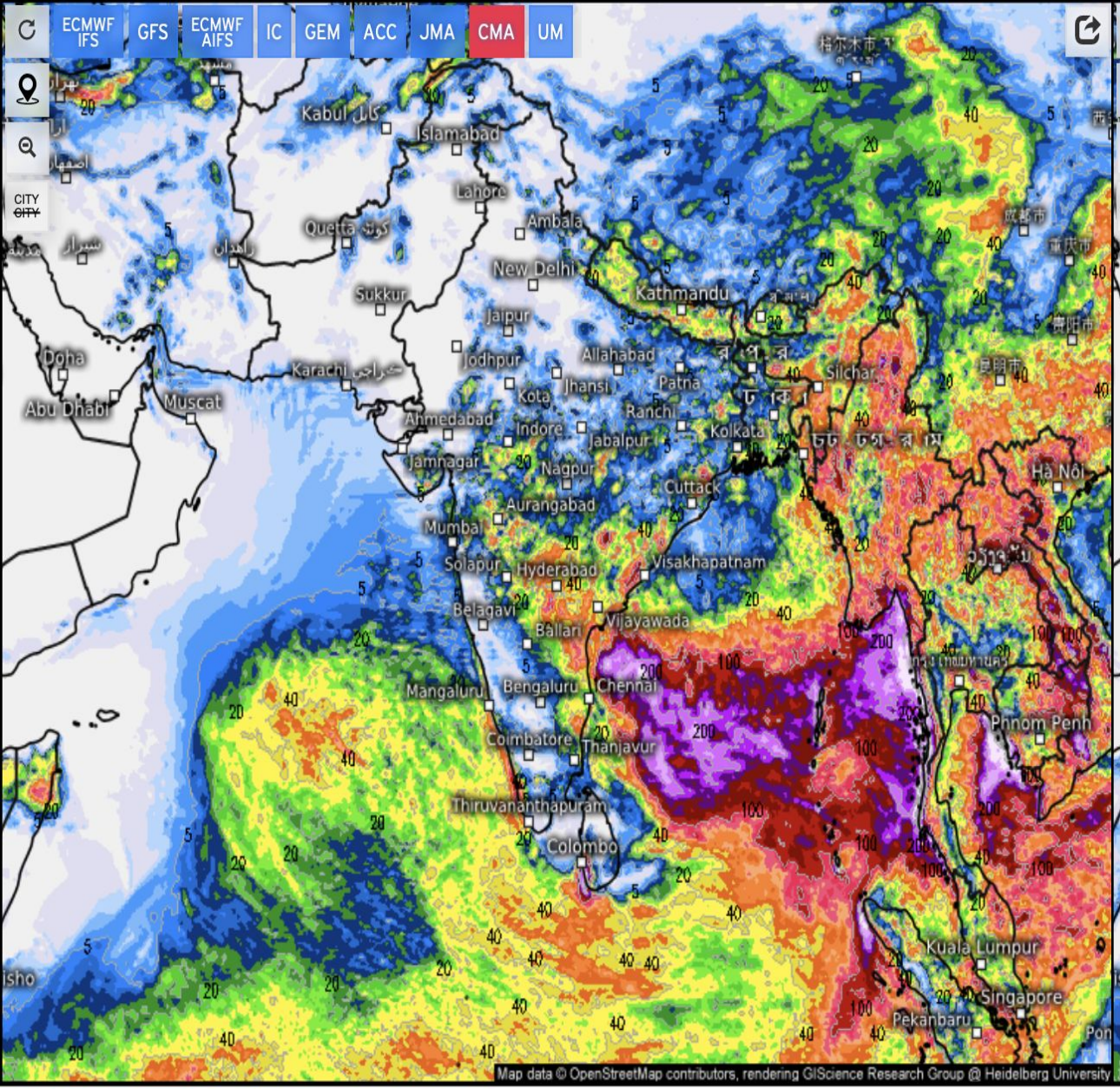
From Wed 06/04/2025, 05:30pm IST
to Thu 06/12/2025, 05:30pm IST

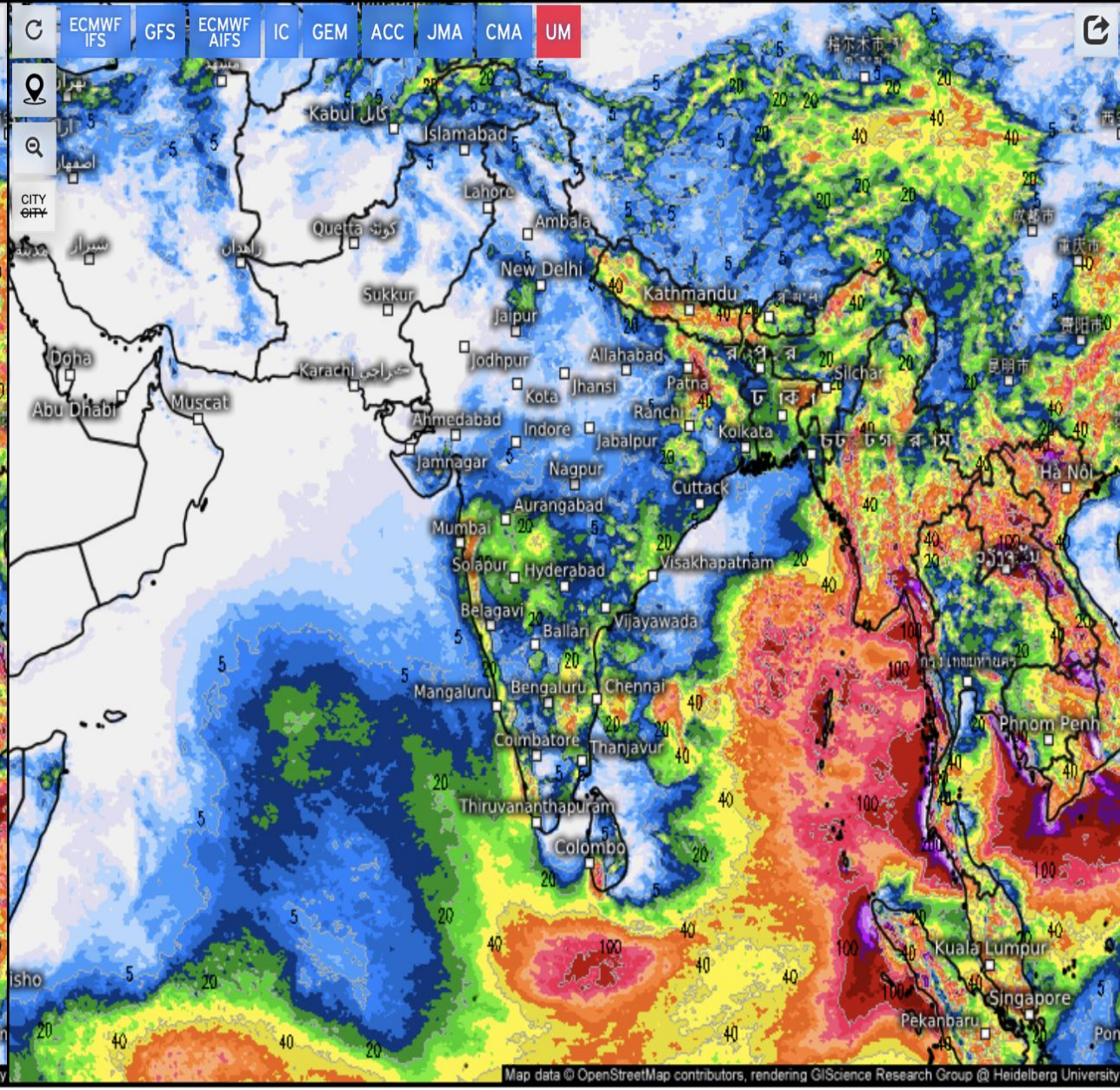


Accumulated total precipitation (mm)

From Wed 06/04/2025, 05:30pm IST
to Thu 06/12/2025, 05:30pm IST







Accumulated total precipitation (mm)

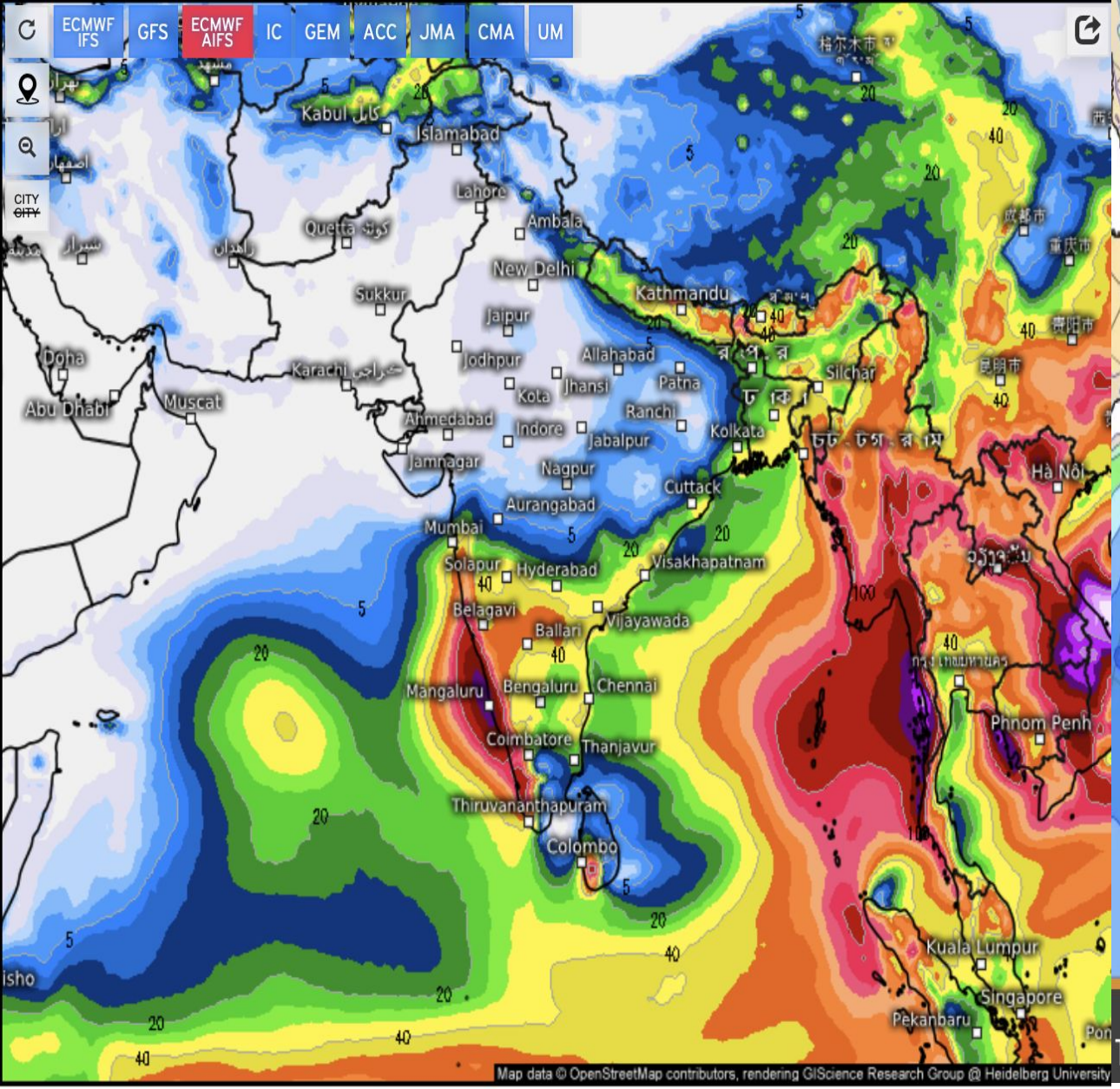
From Wed 06/04/2025, 05:30pm IST
to Thu 06/12/2025, 05:30pm IST

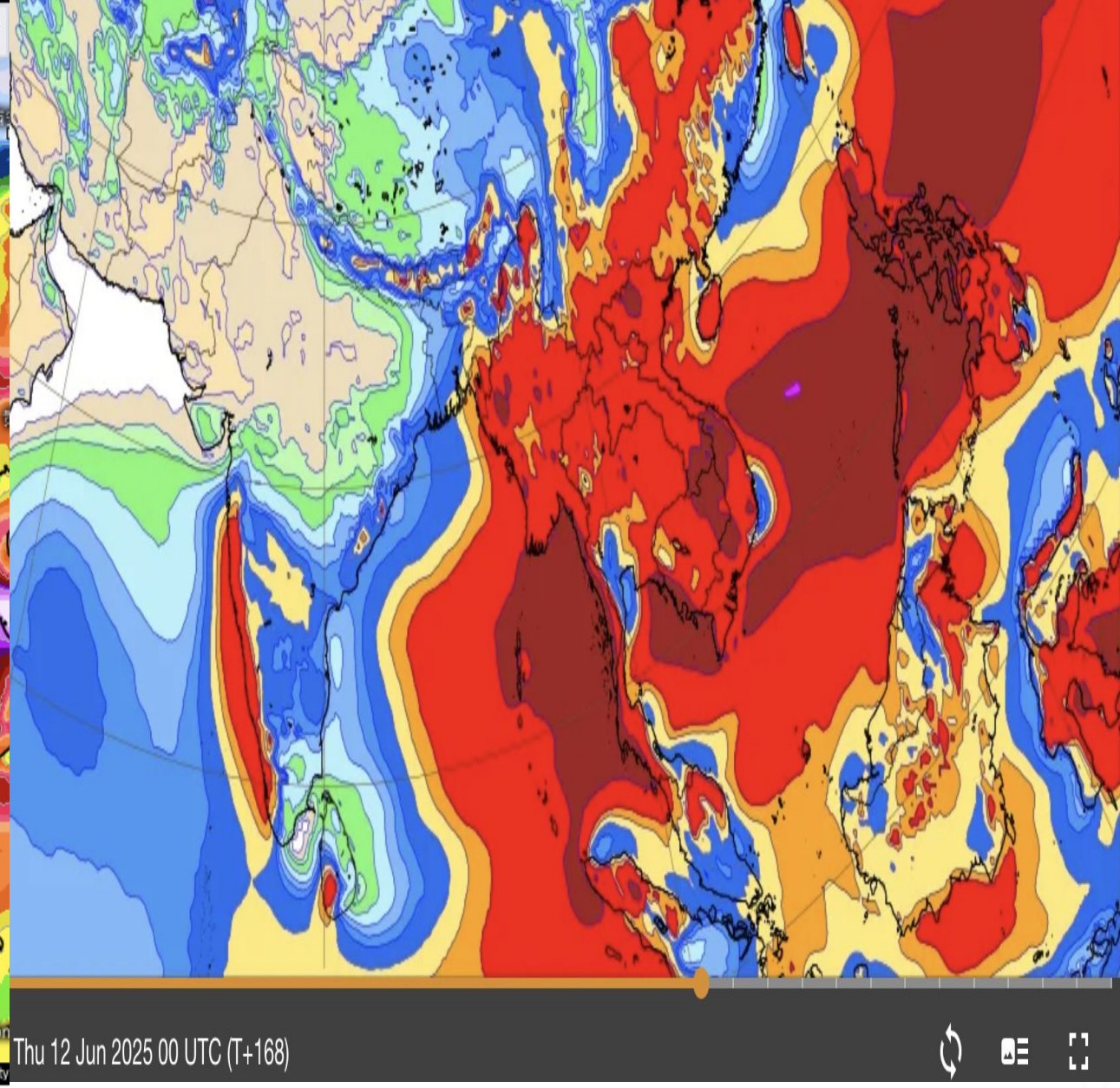
0.1 1 2 3 5 7 10 15 20 25 30 40 50 60 70 80 90 100 125 150 175 200 250 300 400 500

Accumulated total precipitation (mm)

From Wed 06/04/2025, 05:30pm IST
to Thu 06/12/2025, 05:30pm IST

0.1 1 2 3 5 7 10 15 20 25 30 40 50 60 70 80 90 100 125 150 175 200 250 300 400 500





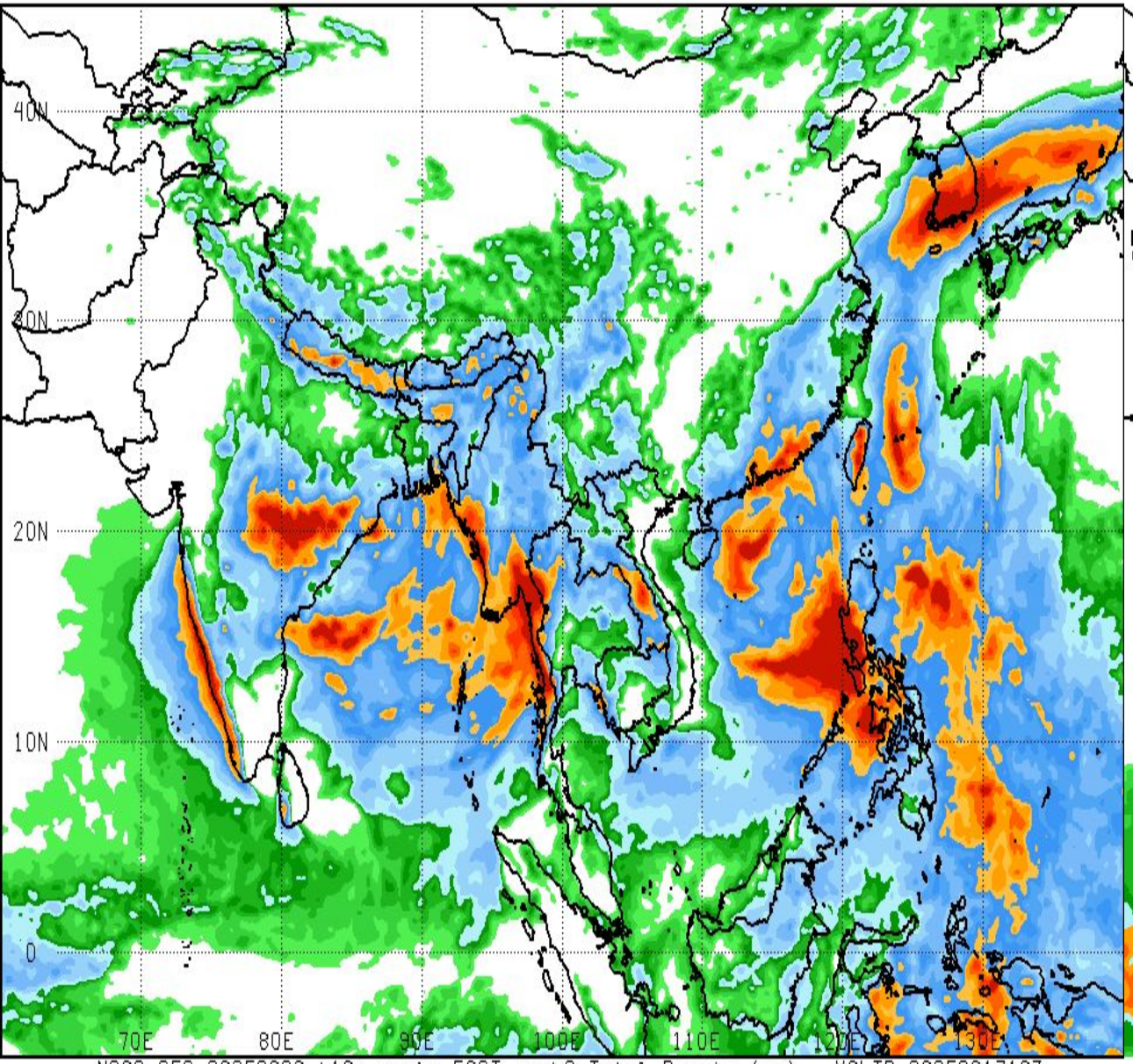
Accumulated total precipitation (mm)

From Thu 06/05/2025, 05:30am IST
to Thu 06/12/2025, 05:30pm IST

0.1 1 2 3 5 7 10 15 20 25 30 40 50 60 70 80 90 100 125 150 175 200 250 300 400 500

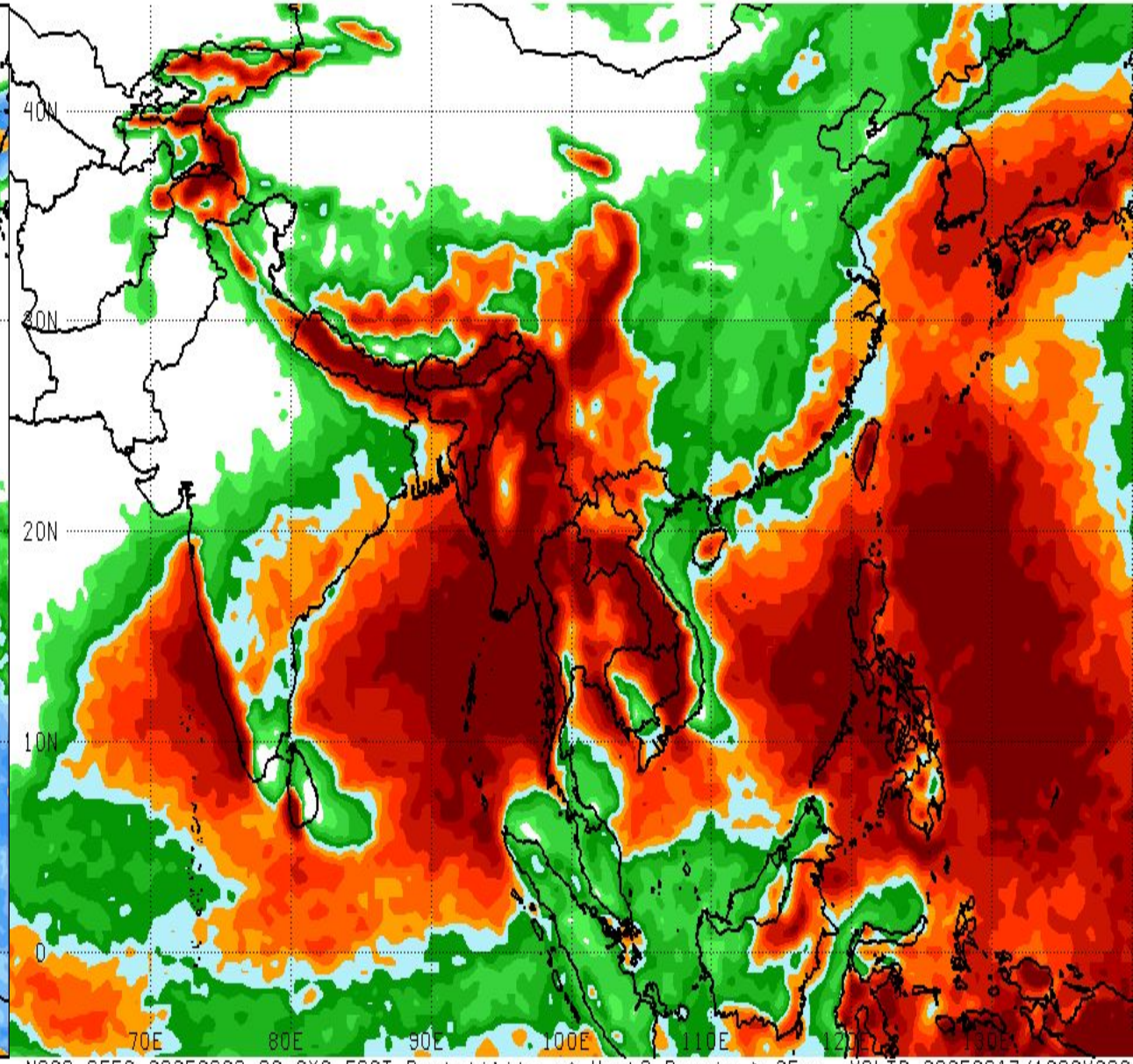
Experimental: GraphCast (Google Deepmind) ML model: Total accumulated precipitation (mm)

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



NOAA GFS 20250603 t18z cycle FCST week2 Total Precip (mm) VALID 2025061718Z

10 15 20 25 30 40 60 80 100 125 150 200 250 300

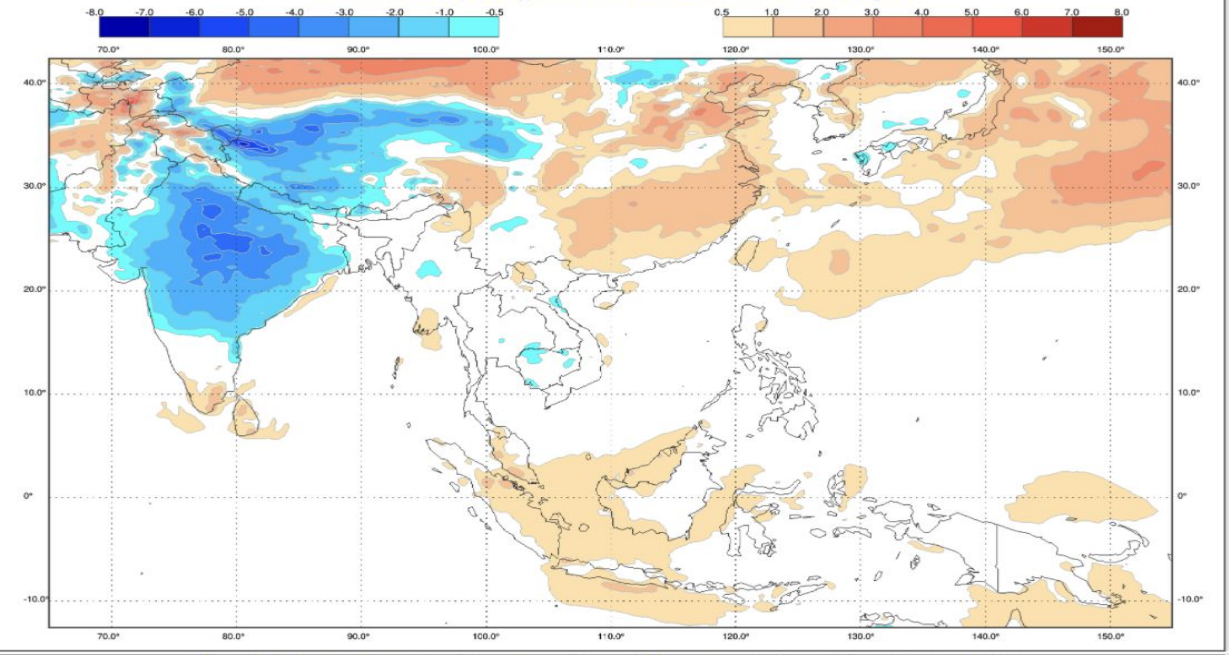


NOAA GEFS 20250603 00zCYC FCST Probability of Week2 Precip > 25mm VALID 20250617/1800V336

5 10 20 30 40 50 60 70 80 90 95

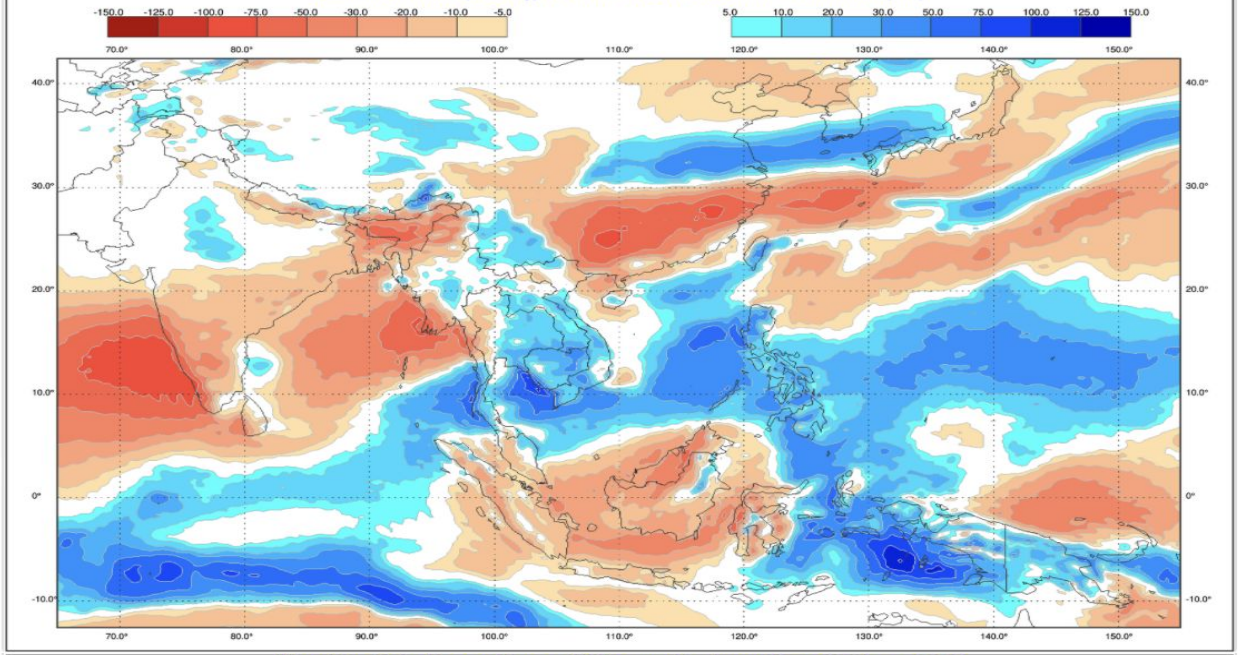
Monthly Temperature (T2m) Anomalies valid for week: from 02 to 08 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 02 June 2025
Estimated deviation (anomaly) of the mean from model climate in Celsius degrees



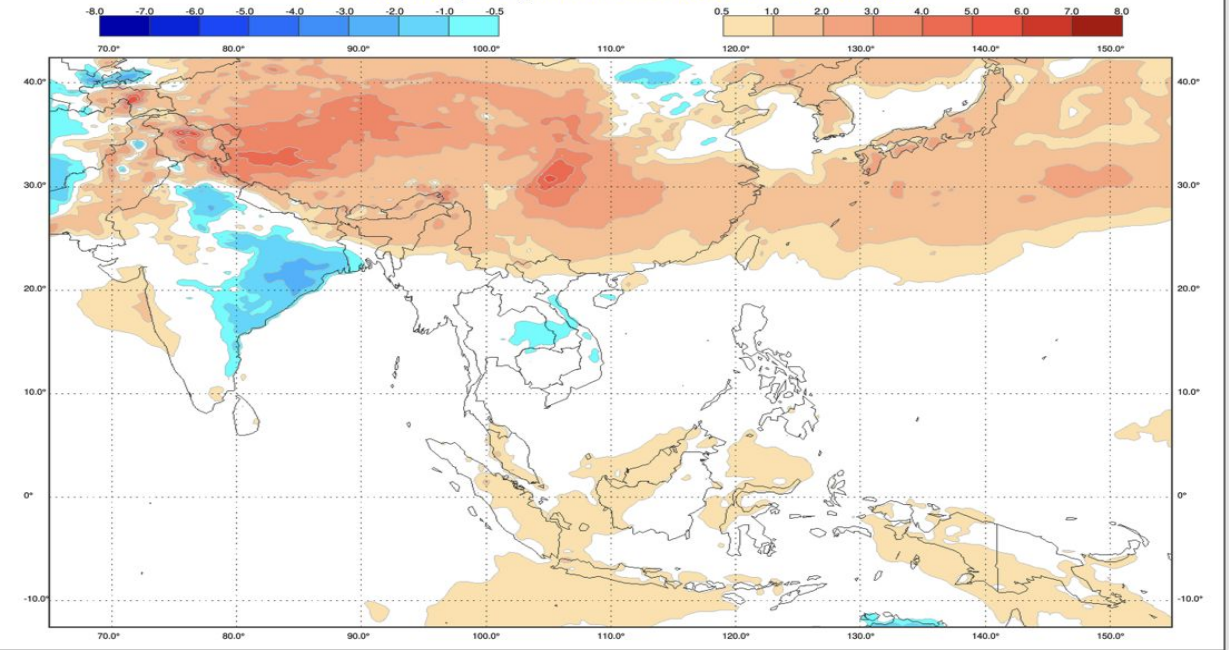
Monthly Rain Anomalies valid for week: from 02 to 08 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 02 June 2025
Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)



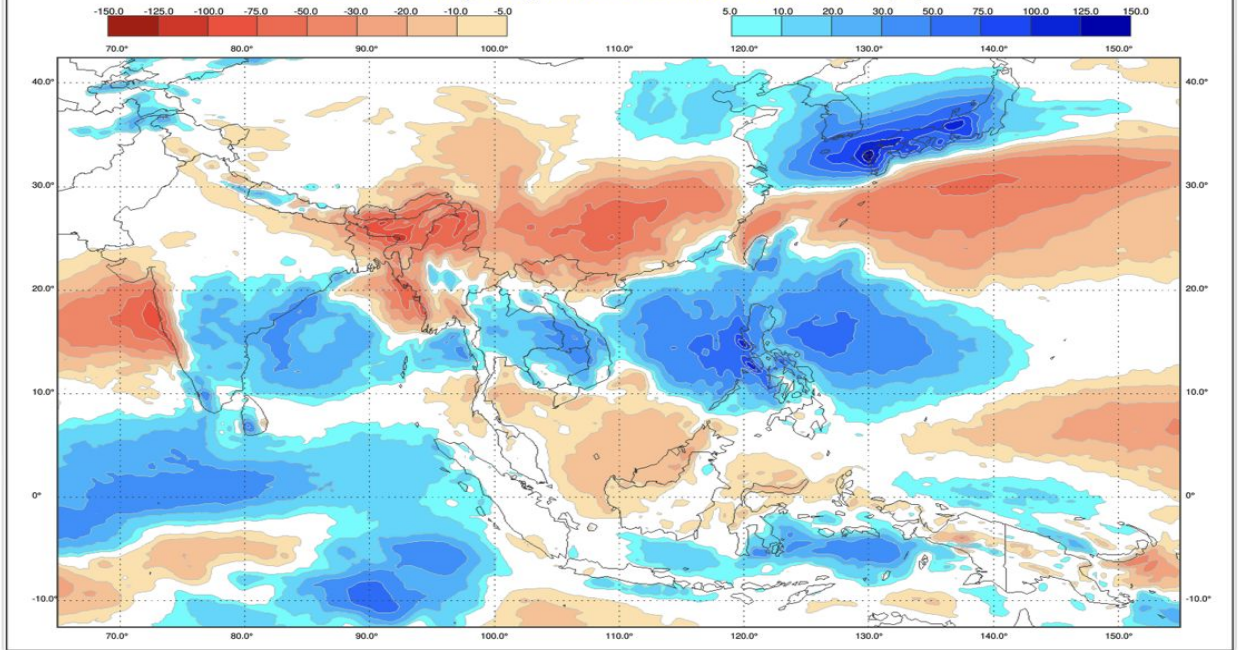
Monthly Temperature (T2m) Anomalies valid for week: from 09 to 15 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 02 June 2025
Estimated deviation (anomaly) of the mean from model climate in Celsius degrees



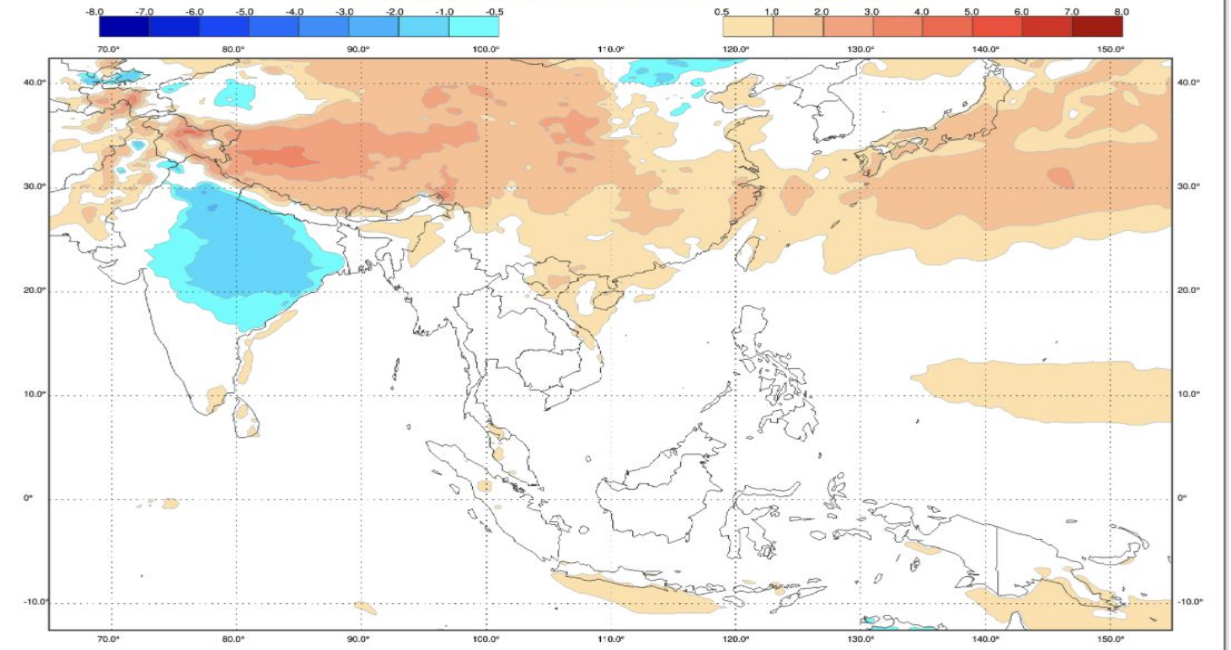
Monthly Rain Anomalies valid for week: from 09 to 15 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 02 June 2025
Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)



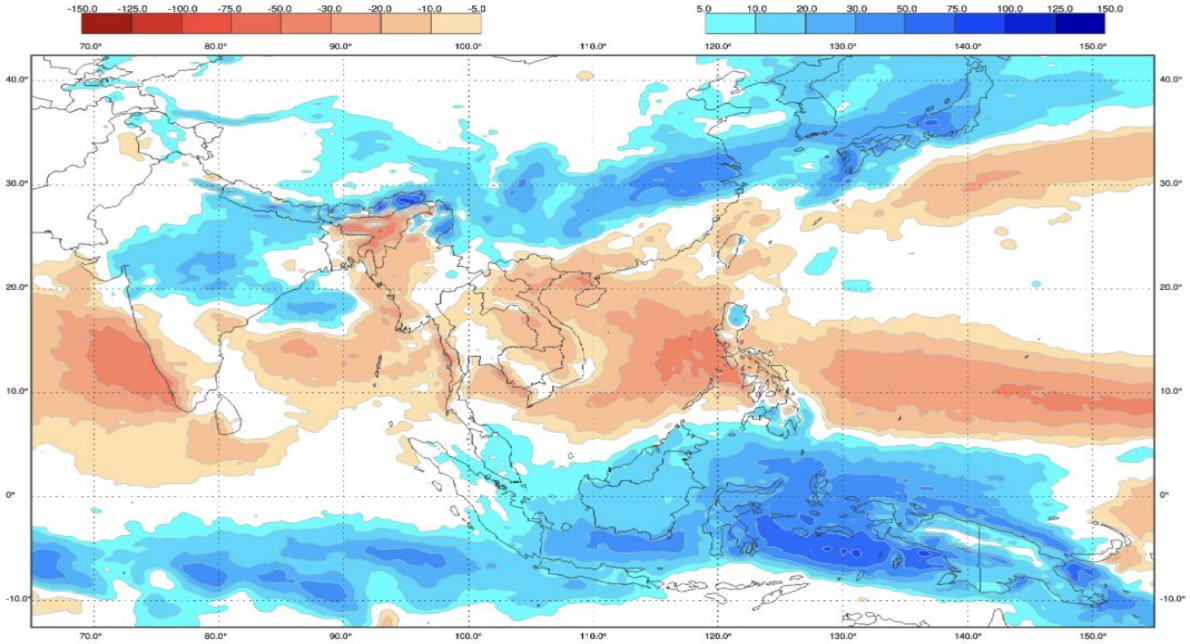
Monthly Temperature (T2m) Anomalies valid for week: from 16 to 22 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 02 June 2025
Estimated deviation (anomaly) of the mean from model climate in Celsius degrees



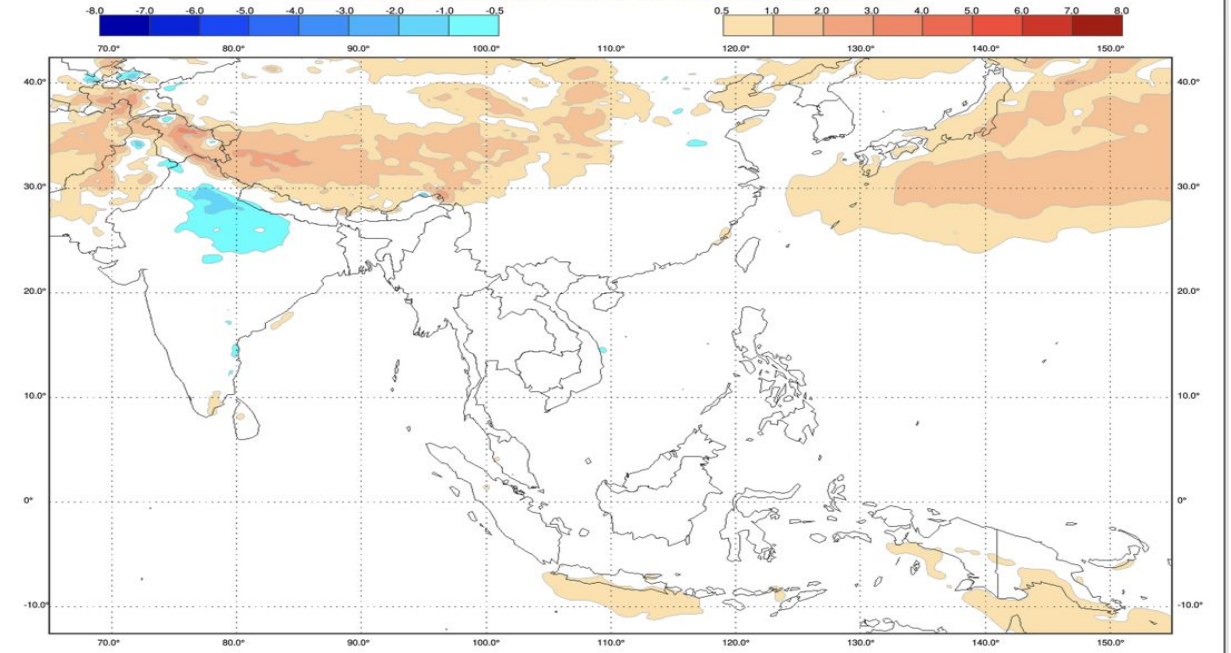
Monthly Rain Anomalies valid for week: from 16 to 22 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 02 June 2025
Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)



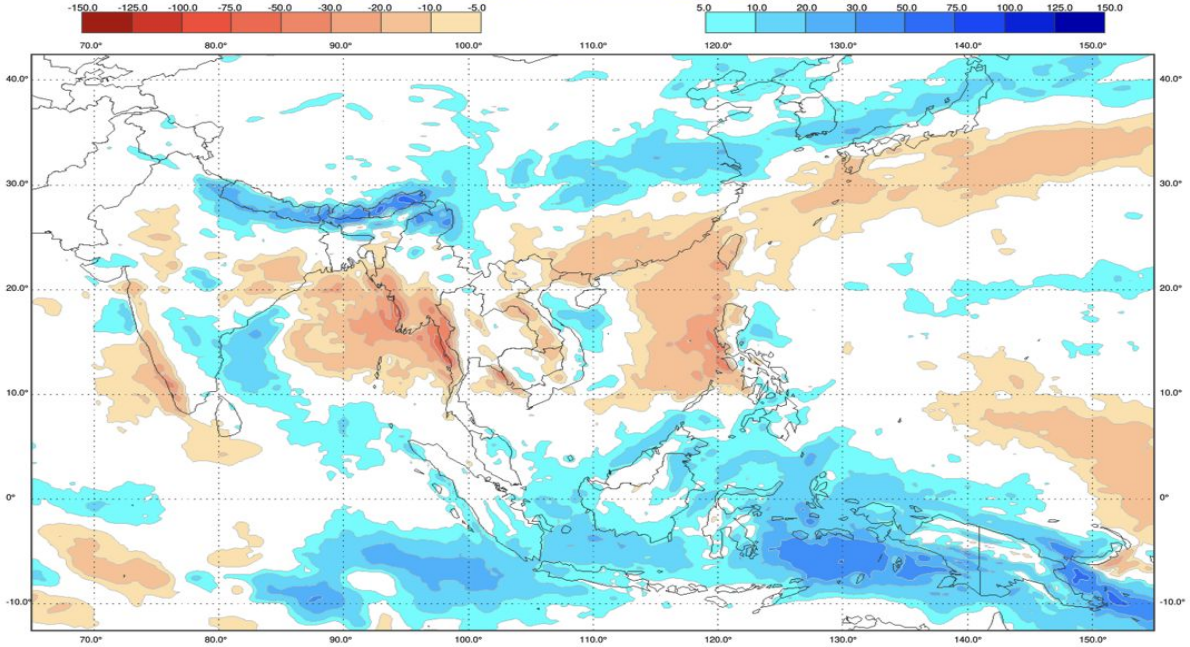
Monthly Temperature (T2m) Anomalies valid for week: from 23 to 29 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 02 June 2025
Estimated deviation (anomaly) of the mean from model climate in Celsius degrees



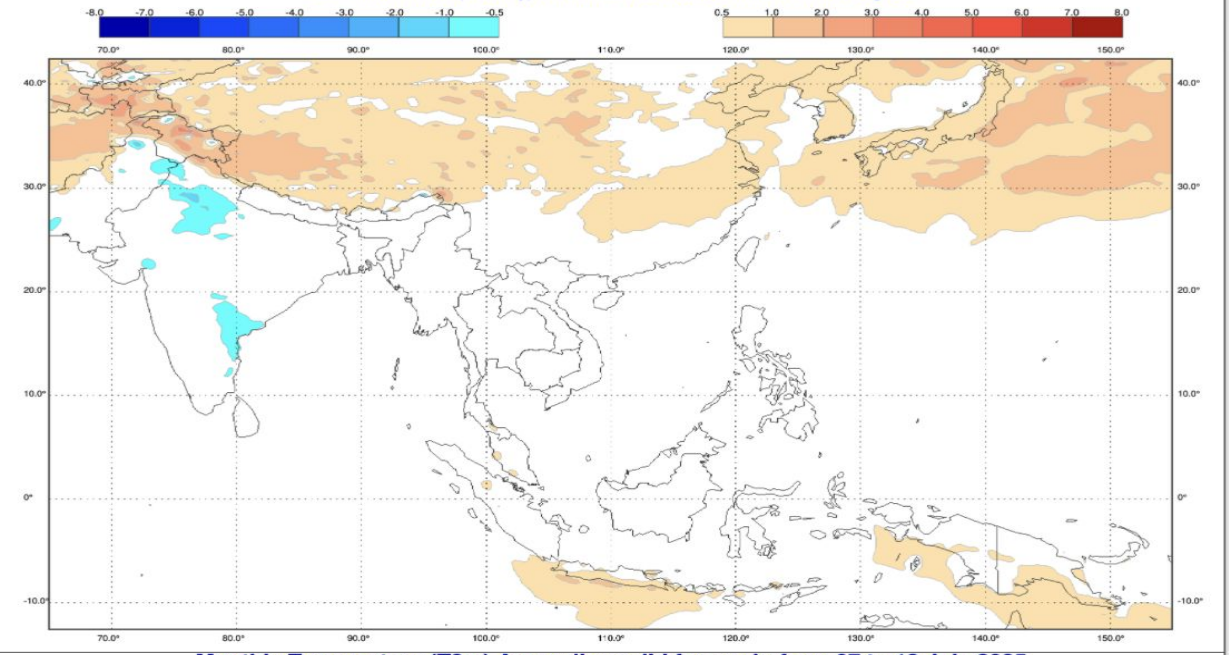
Monthly Rain Anomalies valid for week: from 23 to 29 June 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 02 June 2025
Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)



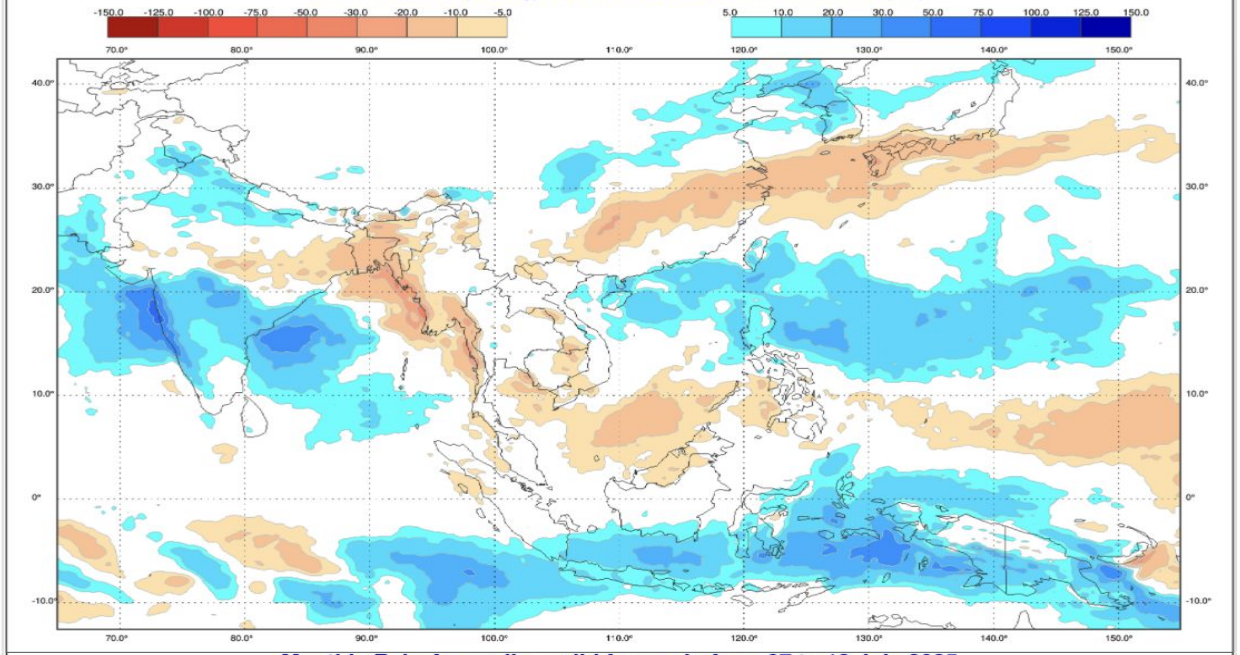
Monthly Temperature (T2m) Anomalies valid for week: from 30 June to 06 July 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 02 June 2025
Estimated deviation (anomaly) of the mean from model climate in Celsius degrees



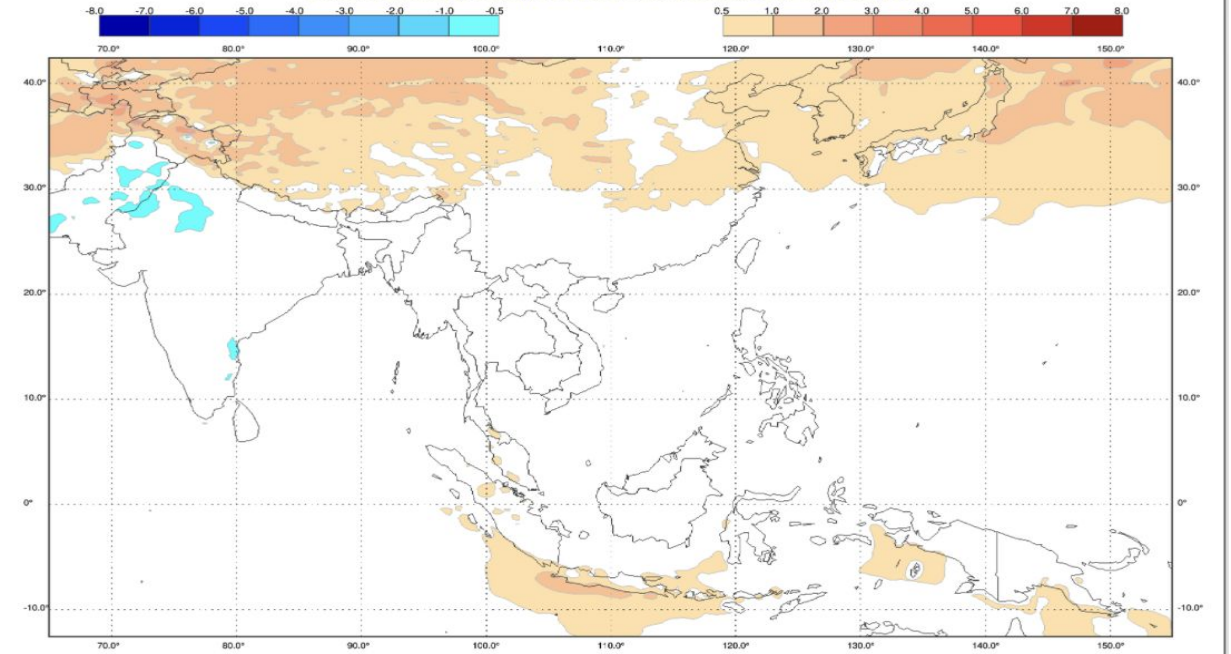
Monthly Rain Anomalies valid for week: from 30 June to 06 July 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 02 June 2025
Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)



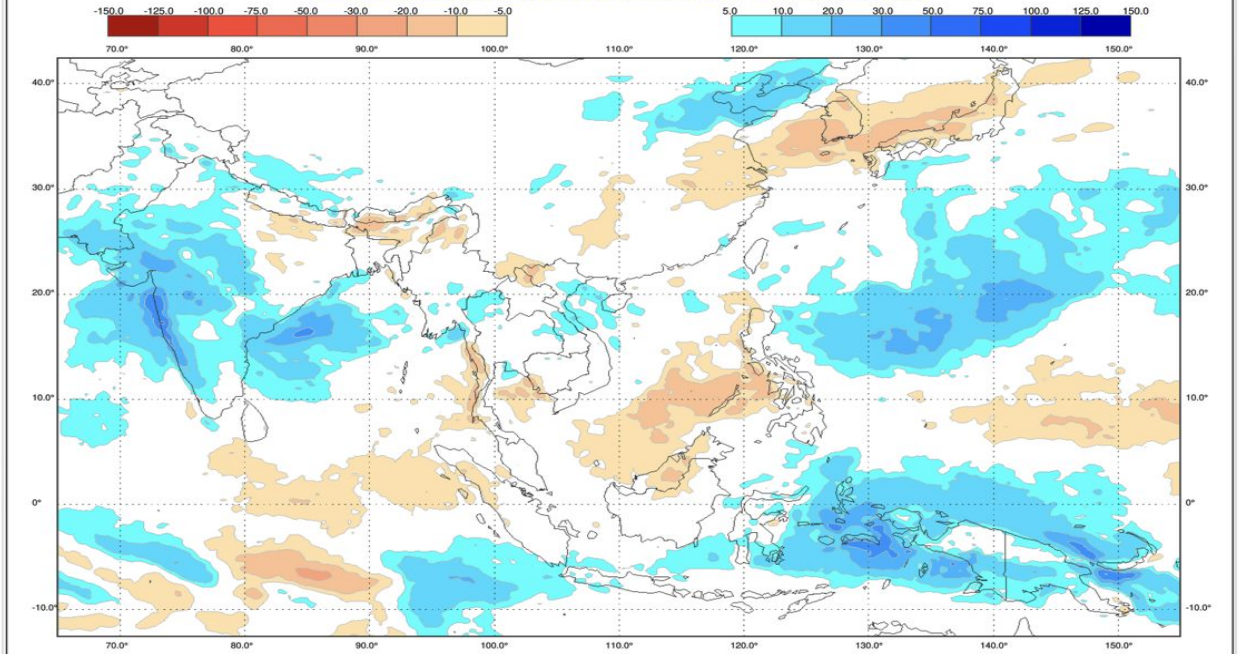
Monthly Temperature (T2m) Anomalies valid for week: from 07 to 13 July 2025

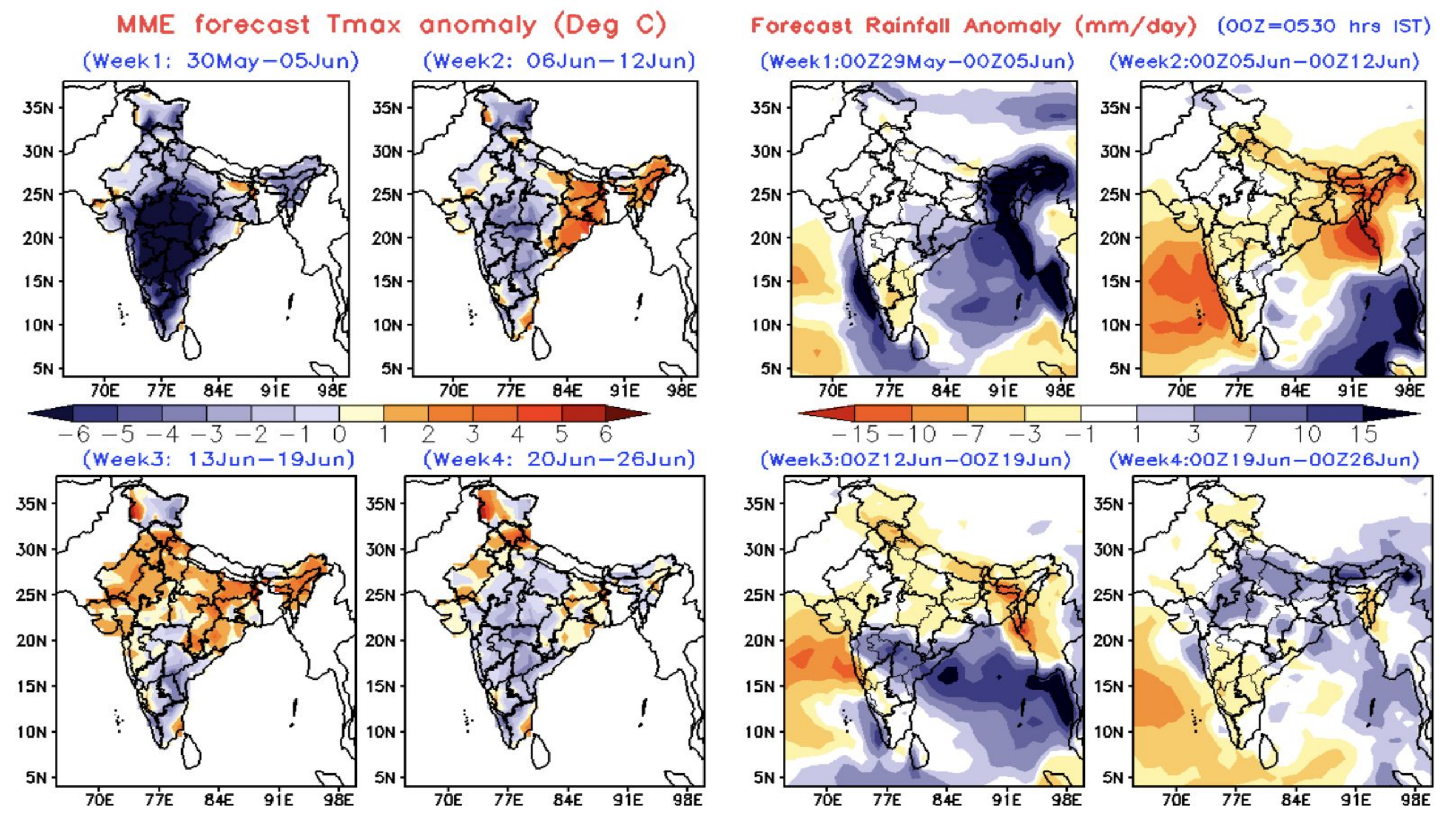
Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 02 June 2025
Estimated deviation (anomaly) of the mean from model climate in Celsius degrees



Monthly Rain Anomalies valid for week: from 07 to 13 July 2025

Map processed by EFFIS System based on ECMWF Monthly Forecast System initiated on 02 June 2025
Estimated deviation (anomaly) of the mean from model climate in millimeters (mm)

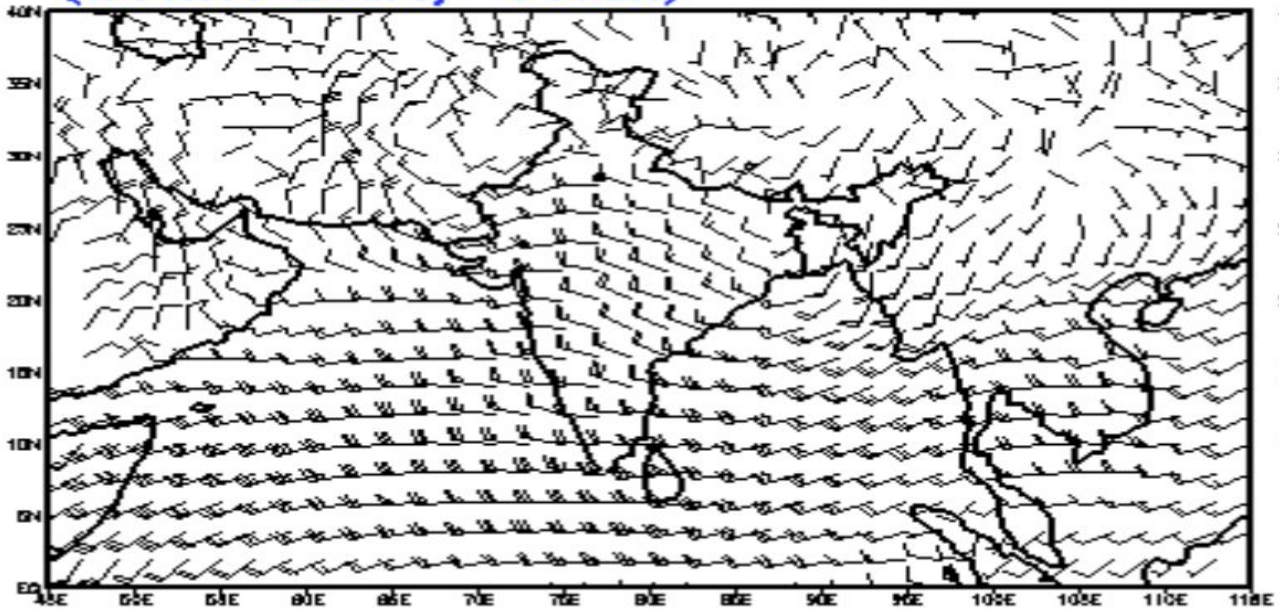



MME forecast Tmax anomaly (Deg C)
(Week1: 30May−05Jun)
(Week2: 06Jun−12Jun)
(Week3: 13Jun−19Jun)
(Week4: 20Jun−26Jun)
−6 −5 −4 −3 −2 −1 0 1 2 3 4 5 6
Forecast Rainfall Anomaly (mm/day)
(00Z=0530 hrs IST)
(Week1:00Z29May−00Z05Jun)
(Week2:00Z05Jun−00Z12Jun)
(Week3:00Z12Jun−00Z19Jun)
(Week4:00Z19Jun−00Z26Jun)
−15 −10 −7 −3 −1 1 3 7 10 15
35N
30N
25N
20N
15N
10N
5N
70E
77E
84E
91E
98E

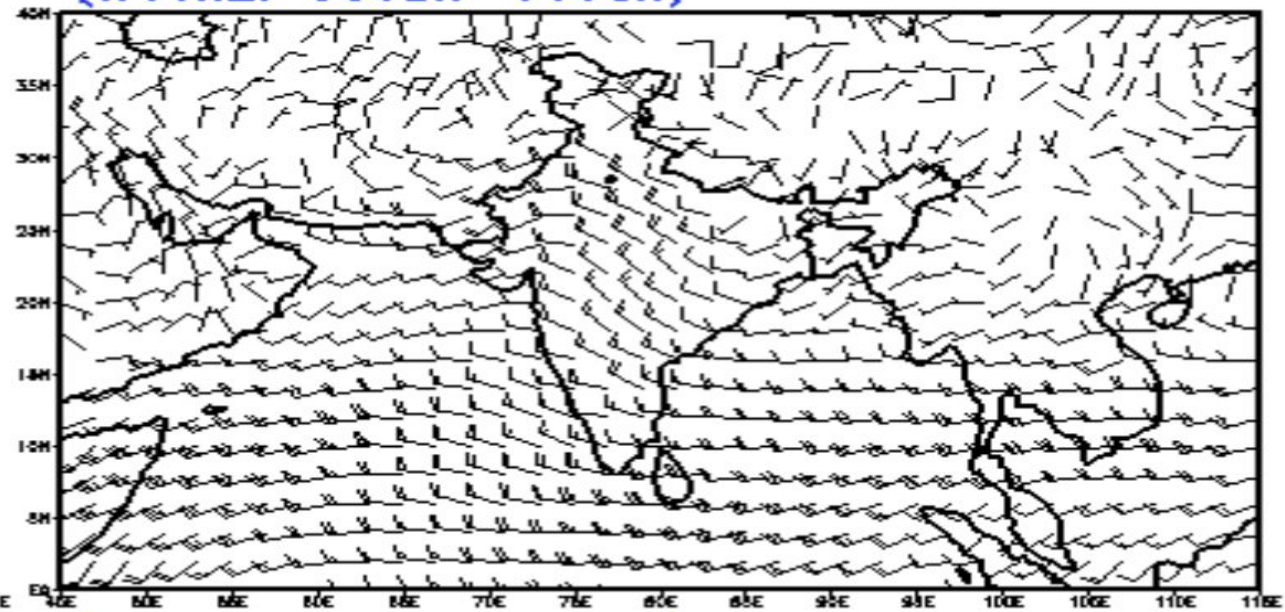
LOW-LEVEL WINDS

MME Weekly mean 850 hPa wind

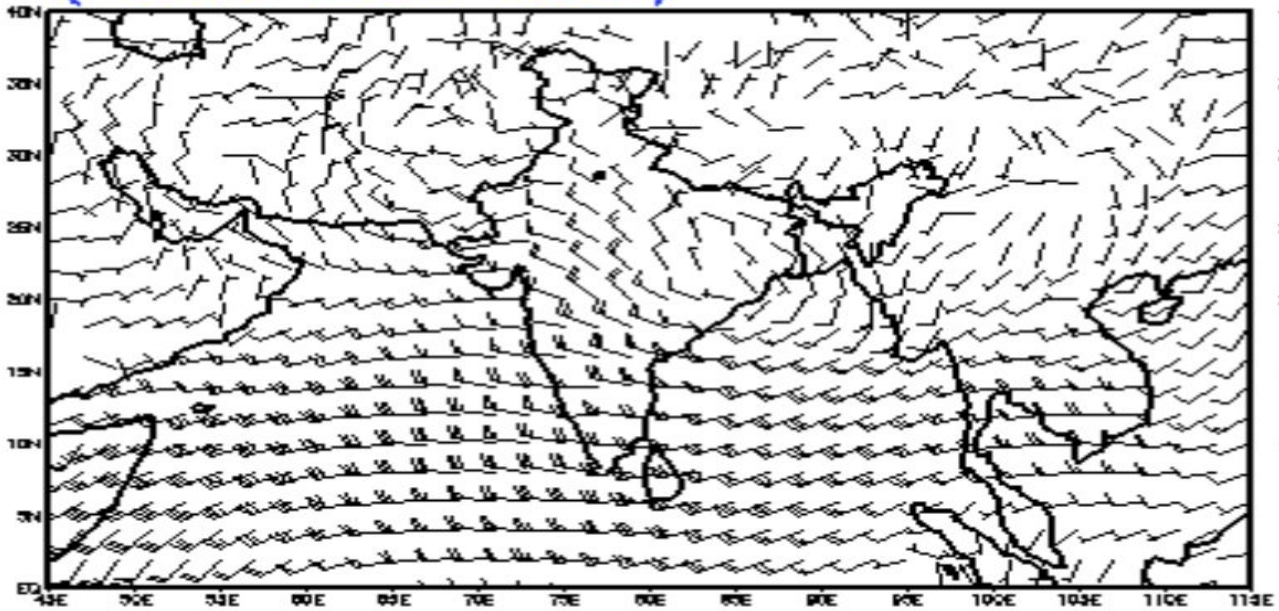
(Week1: 29May–04Jun)



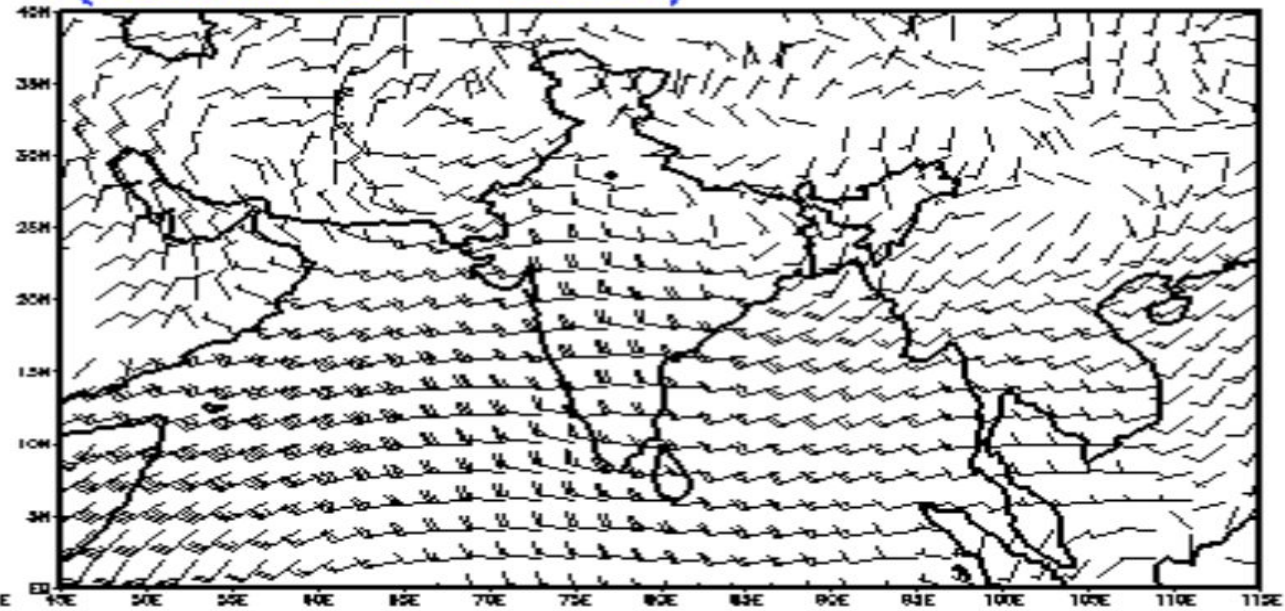
(Week2: 05Jun–11Jun)

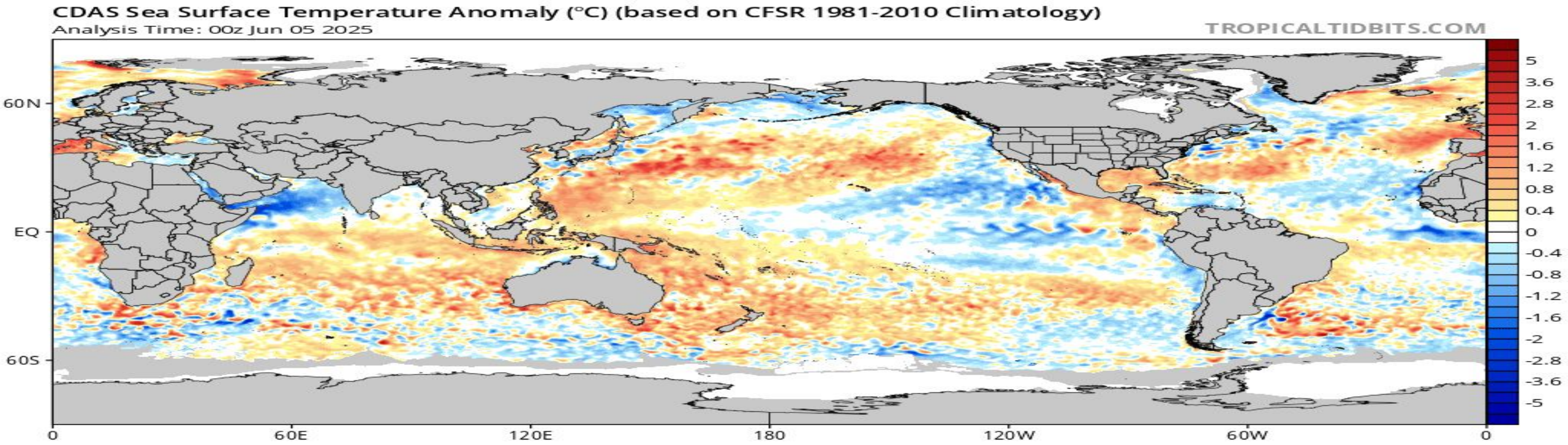


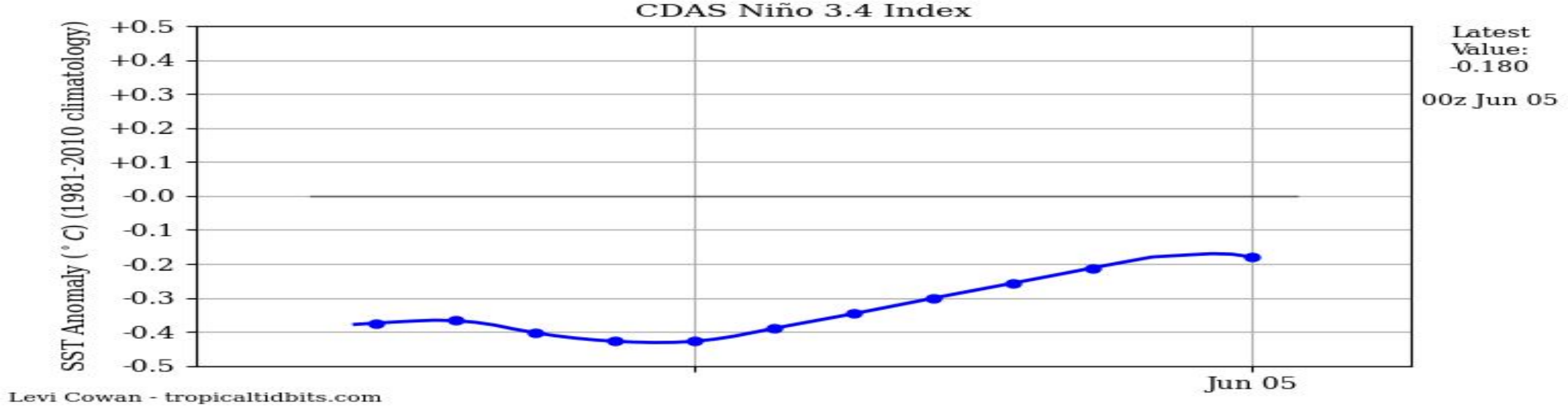
(Week3: 12Jun–18Jun)

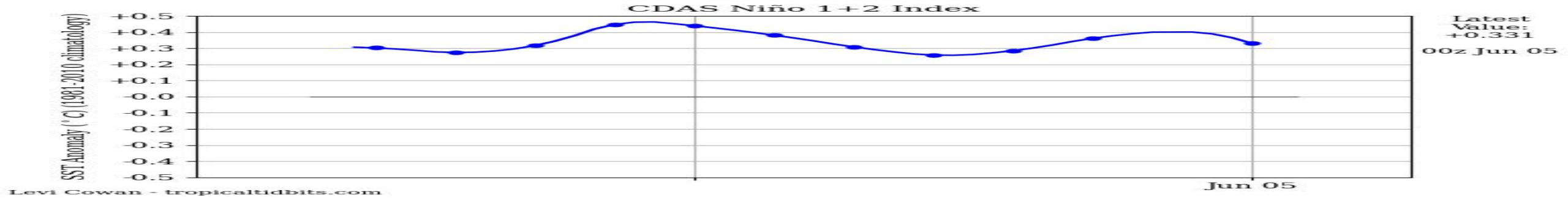


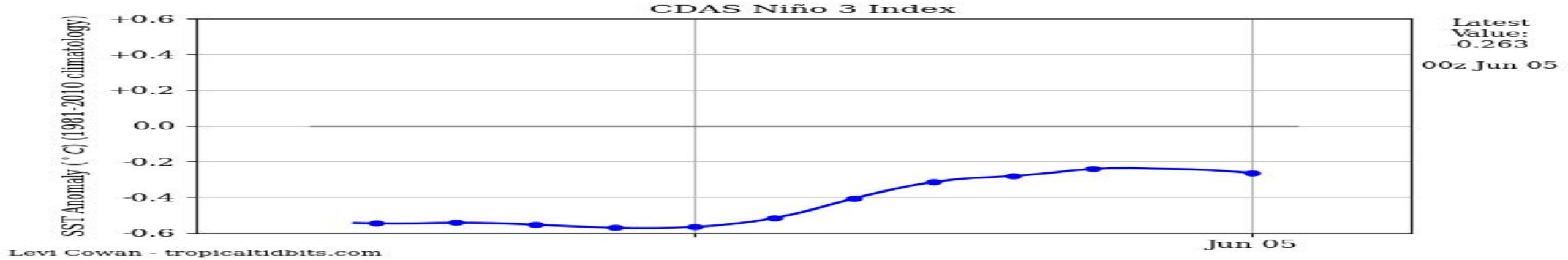
(Week4: 19Jun–25Jun)

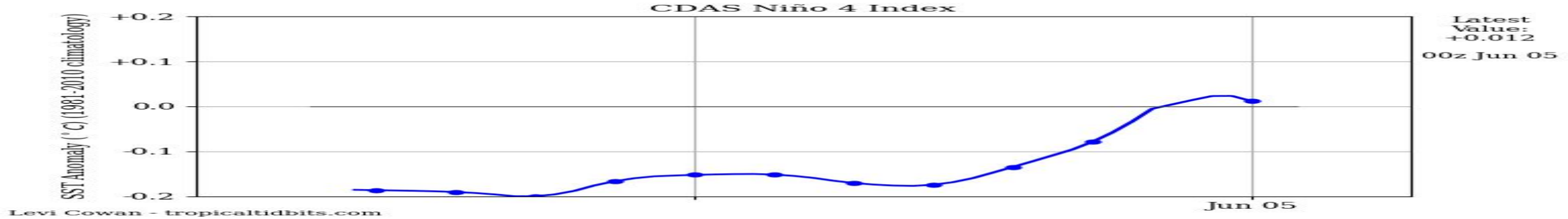



CDAS Sea Surface Temperature Anomaly (°C) (based on CFSR 1981-2010 Climatology)
Analysis Time: 00z Jun 05 2025
TROPICALTIDBITS.COM
60N
EQ
60S
0
60E
120E
180
120W
60W
0
5
3.6
2.8
2
1.6
1.2
0.8
0.4
0
-0.4
-0.8
-1.2
-1.6
-2
-2.8
-3.6
-5


CDAS Niño 3.4 Index
SST Anomaly (°C) (1981-2010 climatology)
+0.5
+0.4
+0.3
+0.2
+0.1
-0.0
-0.1
-0.2
-0.3
-0.4
-0.5
Latest Value: -0.180
00z Jun 05
Jun 05
Levi Cowan - tropicaltidbits.com


CDAS Niño 1+2 Index
SST Anomaly (°C) (1981-2010 climatology)
+0.5
+0.4
+0.3
+0.2
+0.1
0.0
-0.1
-0.2
-0.3
-0.4
-0.5
Jun 05
Latest Value: +0.331
00z Jun 05
Levi Cowan - tropicaltidbits.com

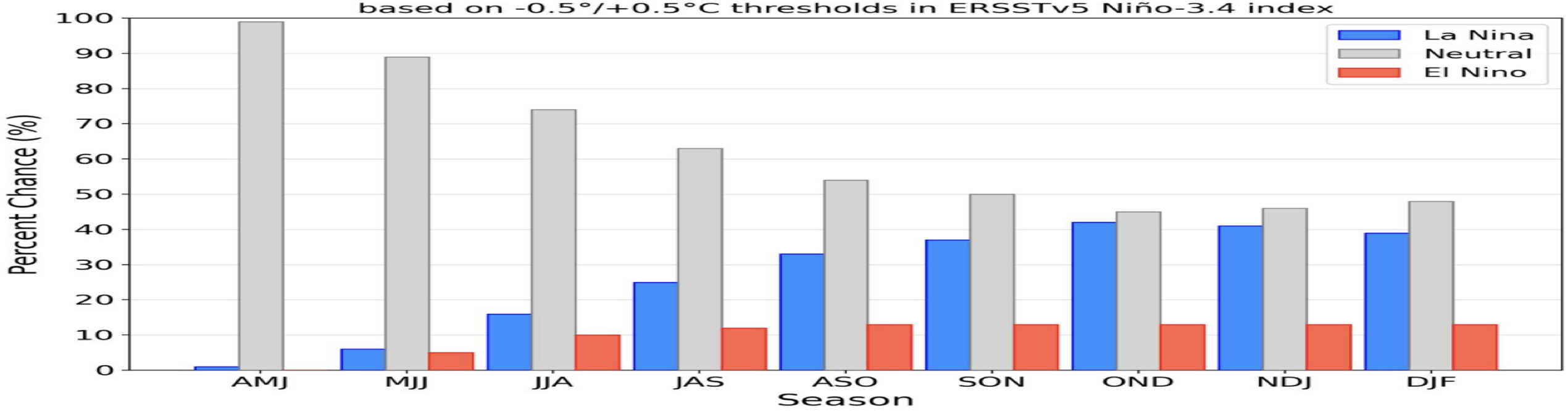

CDAS Niño 3 Index
SST Anomaly (°C) (1981-2010 climatology)
+0.6
+0.4
+0.2
0.0
-0.2
-0.4
-0.6
Jun 05
Latest Value: -0.263
00z Jun 05
Levi Cowan - tropicaltidbits.com


CDAS Niño 4 Index
SST Anomaly (°C) (1981-2010 climatology)
+0.2
+0.1
0.0
-0.1
-0.2
Jun 05
Latest Value: +0.012
00z Jun 05
Levi Cowan - tropicaltidbits.com

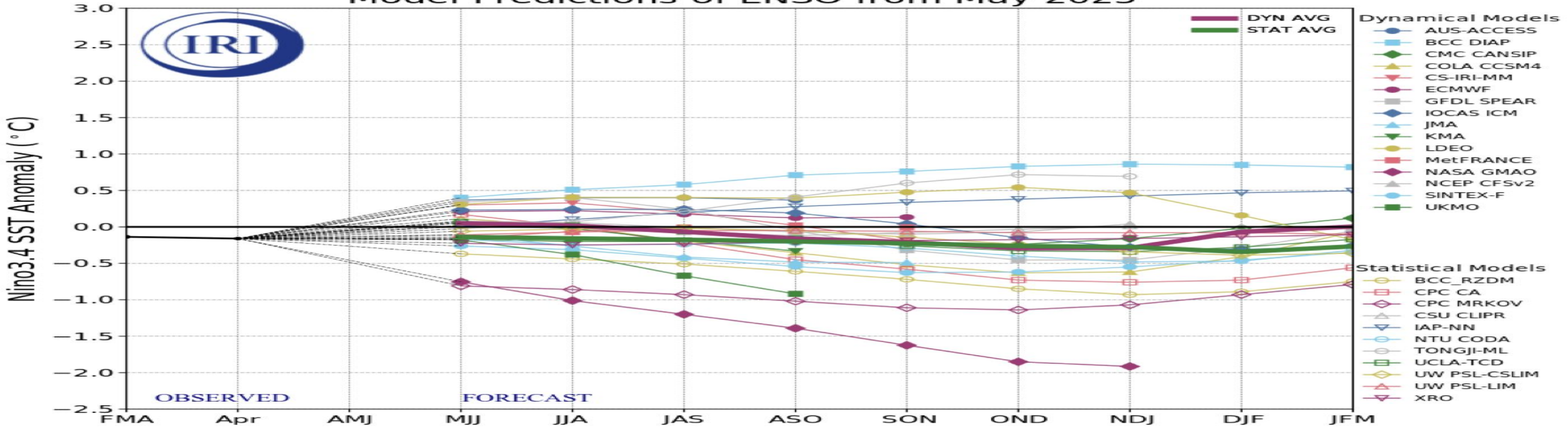

West
East
NINO3.4
NINO3
NINO3
NINO2
NINO1
Indian Ocean - IOD
Pacific Ocean - NINO

Official NOAA CPC ENSO Probabilities (issued May 2025)

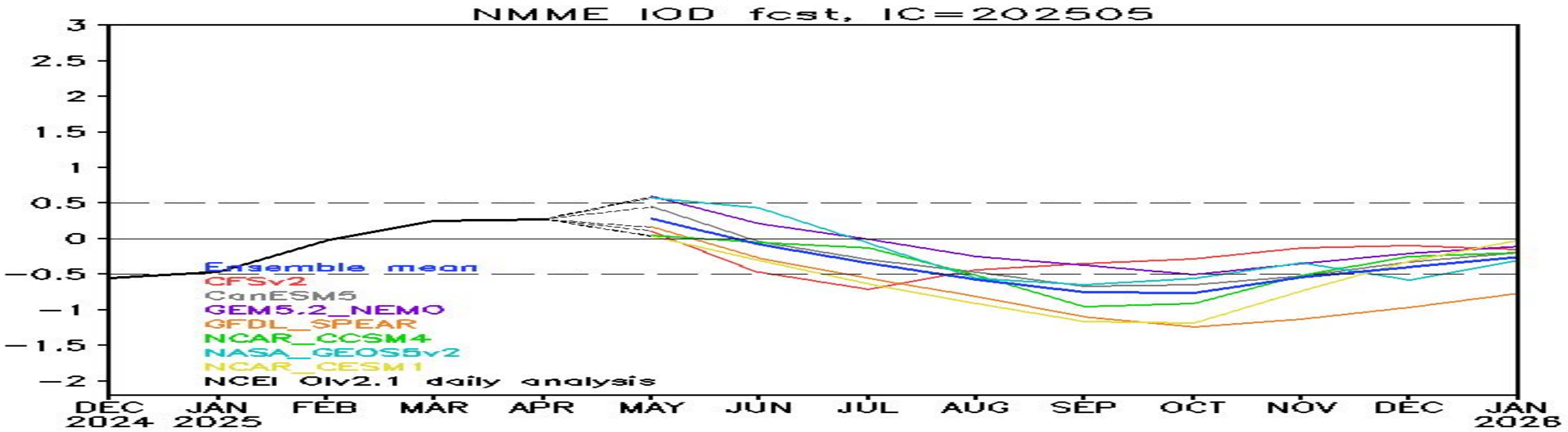
based on -0.5°/+0.5°C thresholds in ERSSTv5 Niño-3.4 index



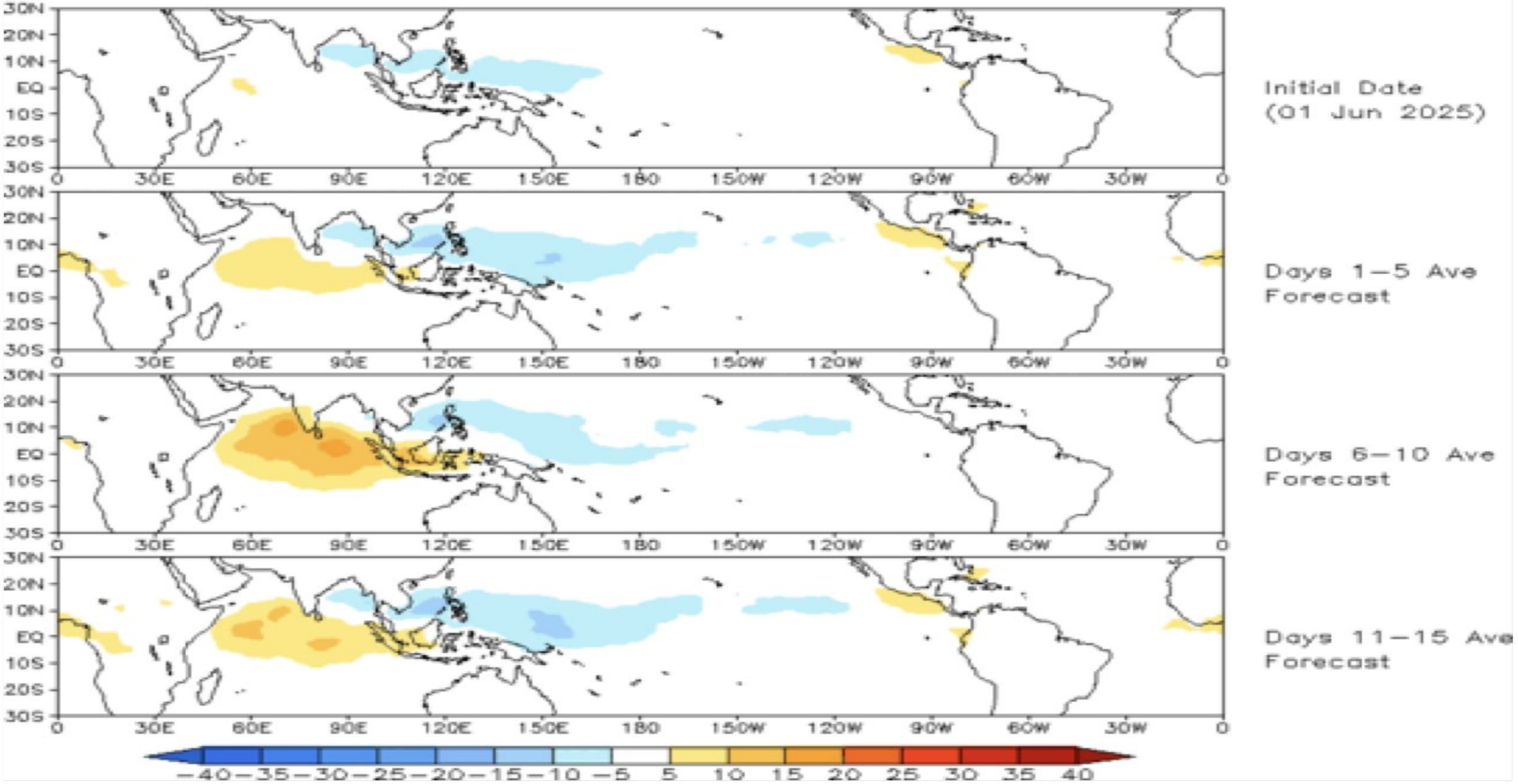
Model Predictions of ENSO from May 2025




IOD index
©Commonwealth of Australia 2025, Bureau of Meteorology
Climatology period: 1991–2020
Latest weekly value to 01 Jun 2025: 0 °C
IOD index (°C)
+2.4
+2.0
+1.6
+1.2
+0.8
+0.4
0.0
−0.4
−0.8
−1.2
−1.6
−2.0
Jan-2021
Jul-2021
Jan-2022
Jul-2022
Jan-2023
Jul-2023
Jan-2024
Jul-2024
Jan-2025


NMME IOD fcst, IC=202505
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
Ensemble mean
CFSv2
CanESM5
GEM5.2_NEMO
GFDL_SPEAR
NCAR_CCSM4
NASA_GEOS5v2
NCAR_CESM1
NCEI OIv2.1 daily analysis
DEC 2024
JAN 2025
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
JAN 2026

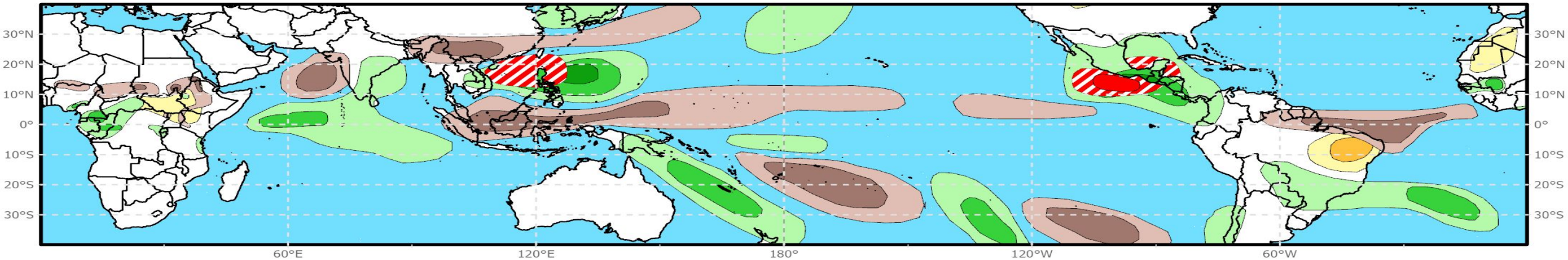
Prediction of MJO-related anomalies using GEFS operational forecast
Initial date: 01 Jun 2025
OLR



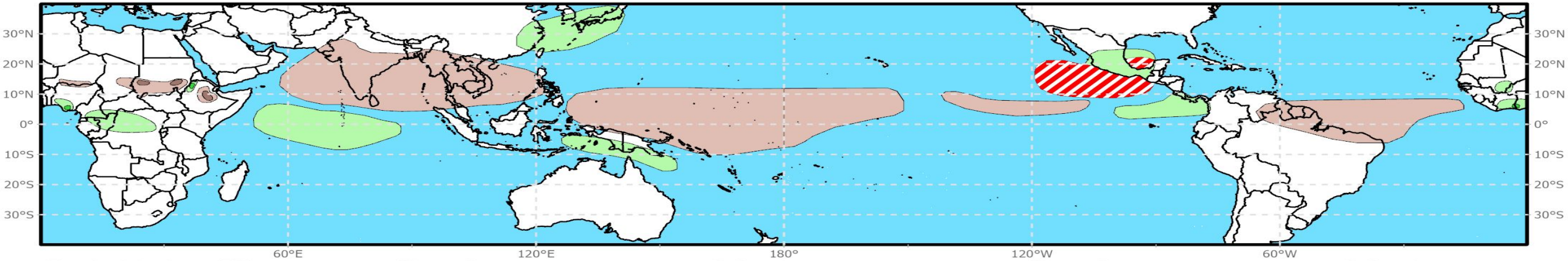
Global Tropics Hazards Outlook

Climate Prediction Center

Week 2 - Valid: Jun 11, 2025 - Jun 17, 2025



Week 3 - Valid: Jun 18, 2025 - Jun 24, 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 mean temperatures in the Upper third of the historical range

Below-Average Temperatures Probability

>50% >65% >80%

7-day mean temperatures in the Lower third of the historical range

Issued: 06/03/2025

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.