

2:07

68

weather&radar



2:05 PM



2:07

67

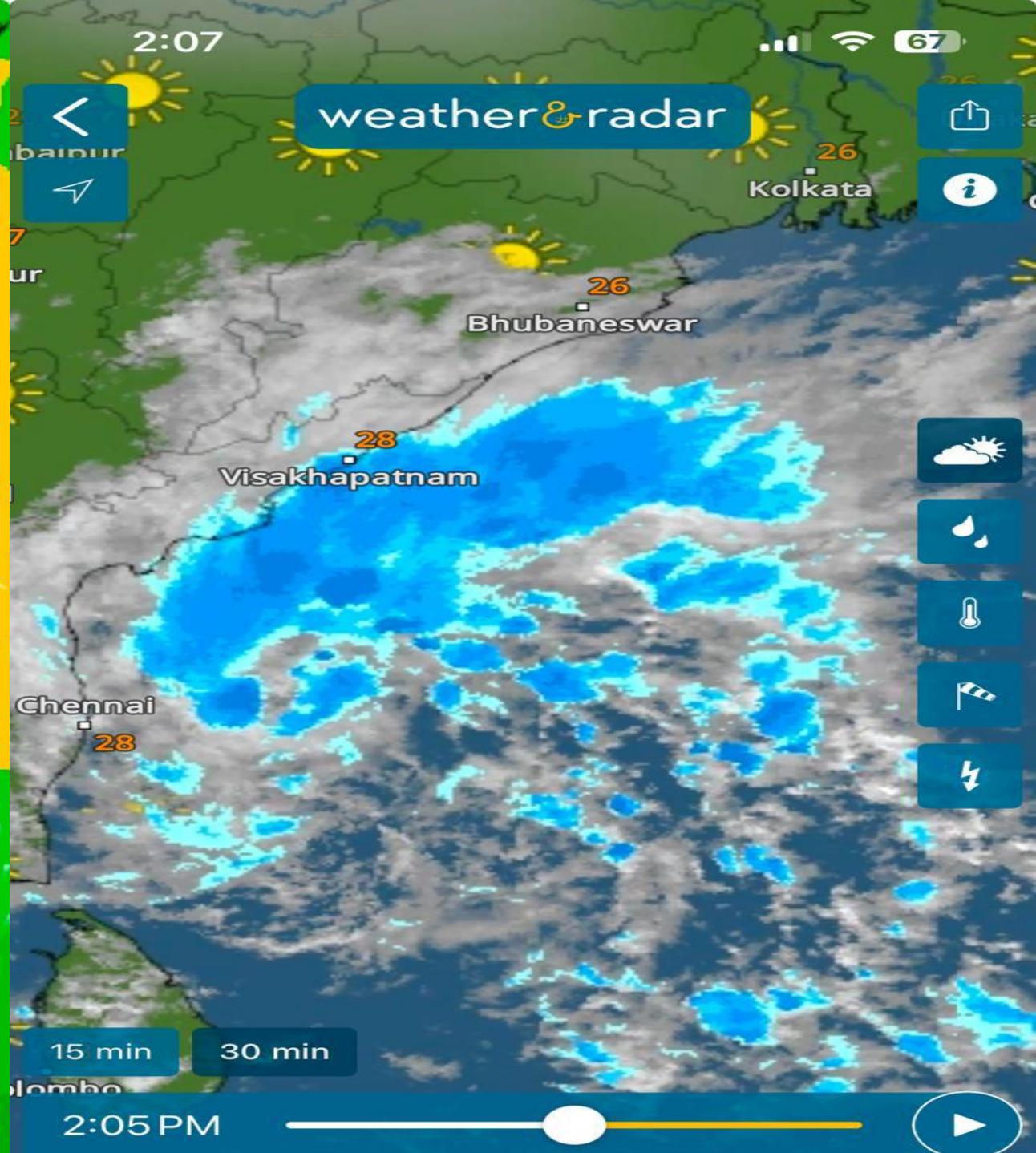
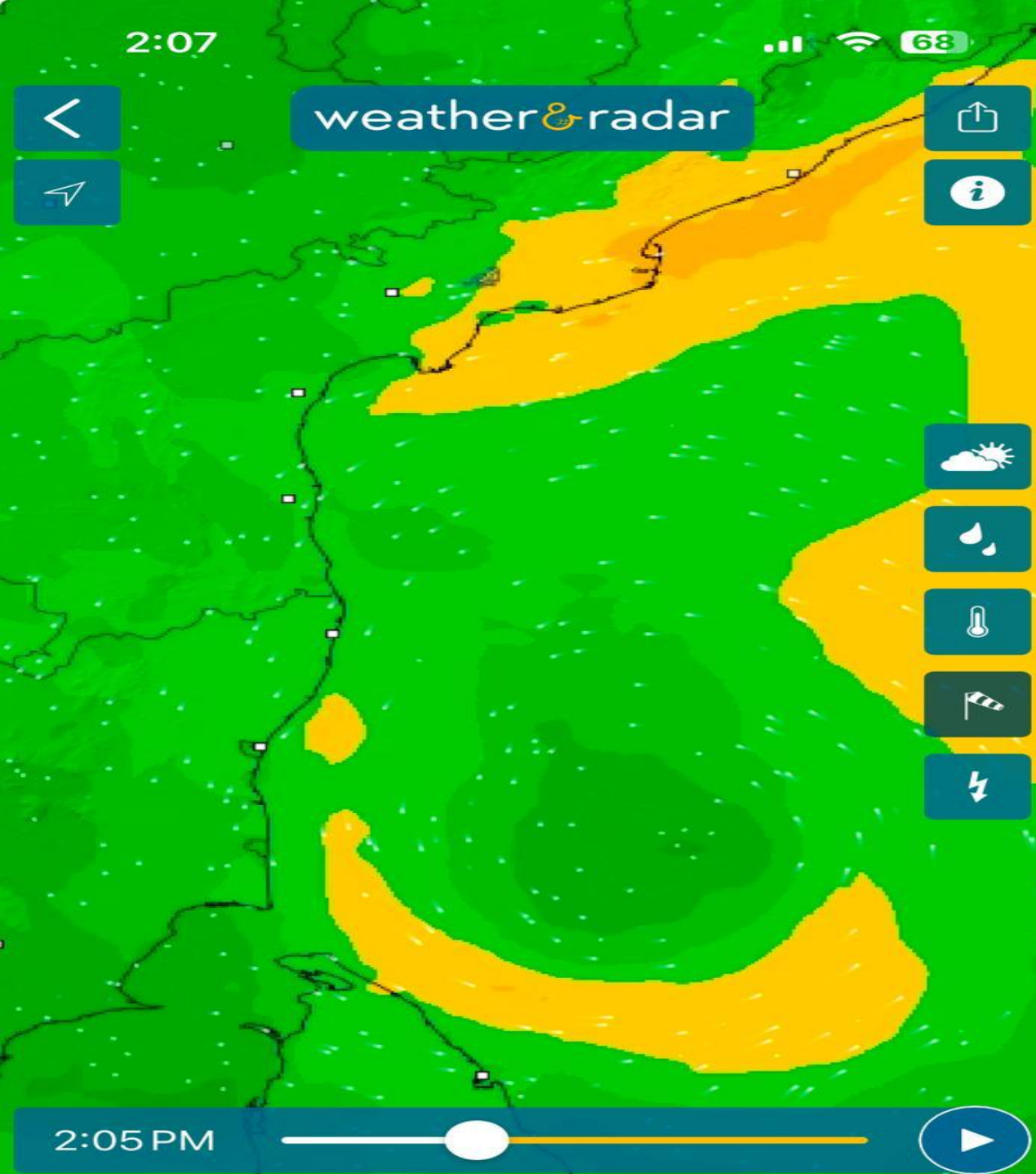
weather&radar



15 min

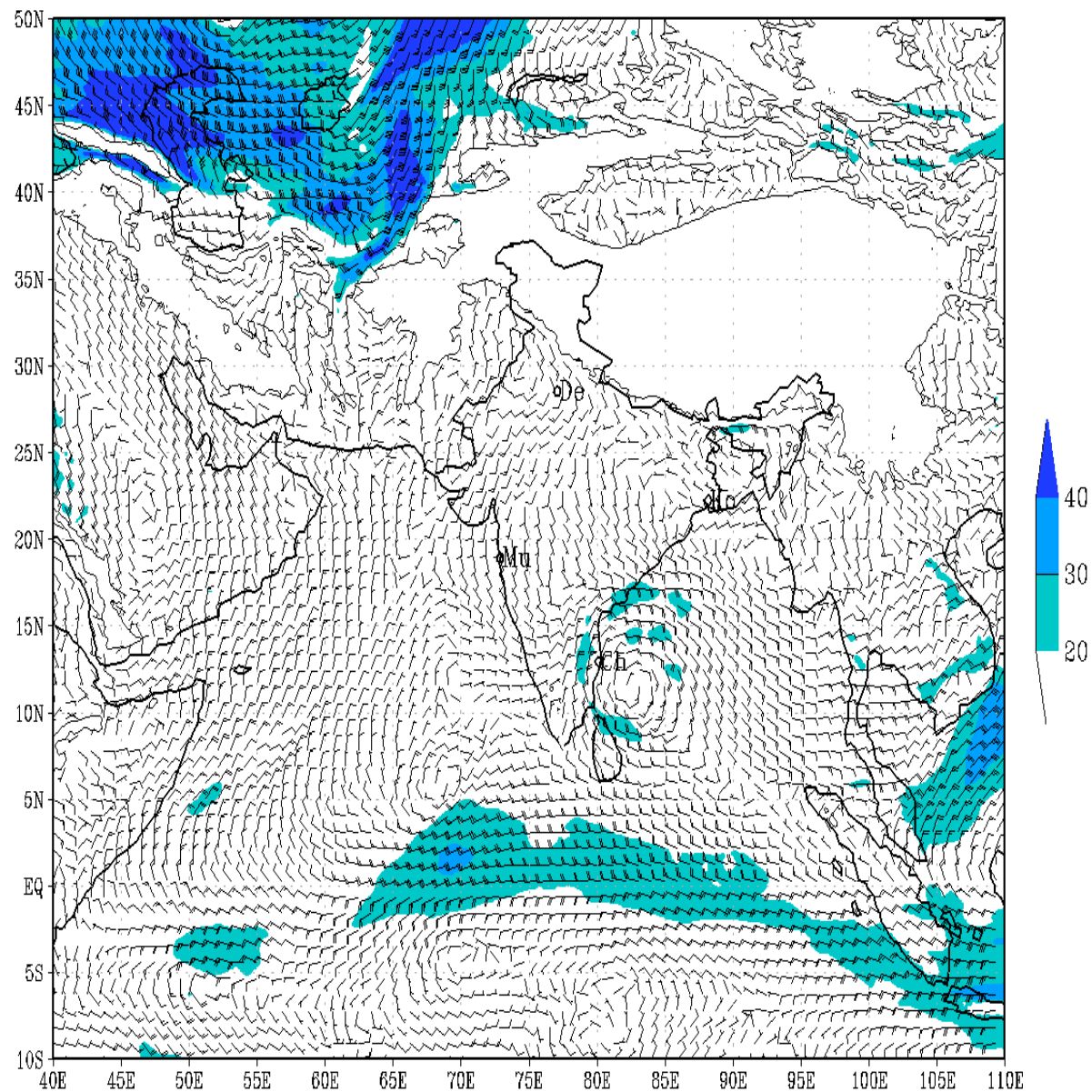
30 min

2:05 PM



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

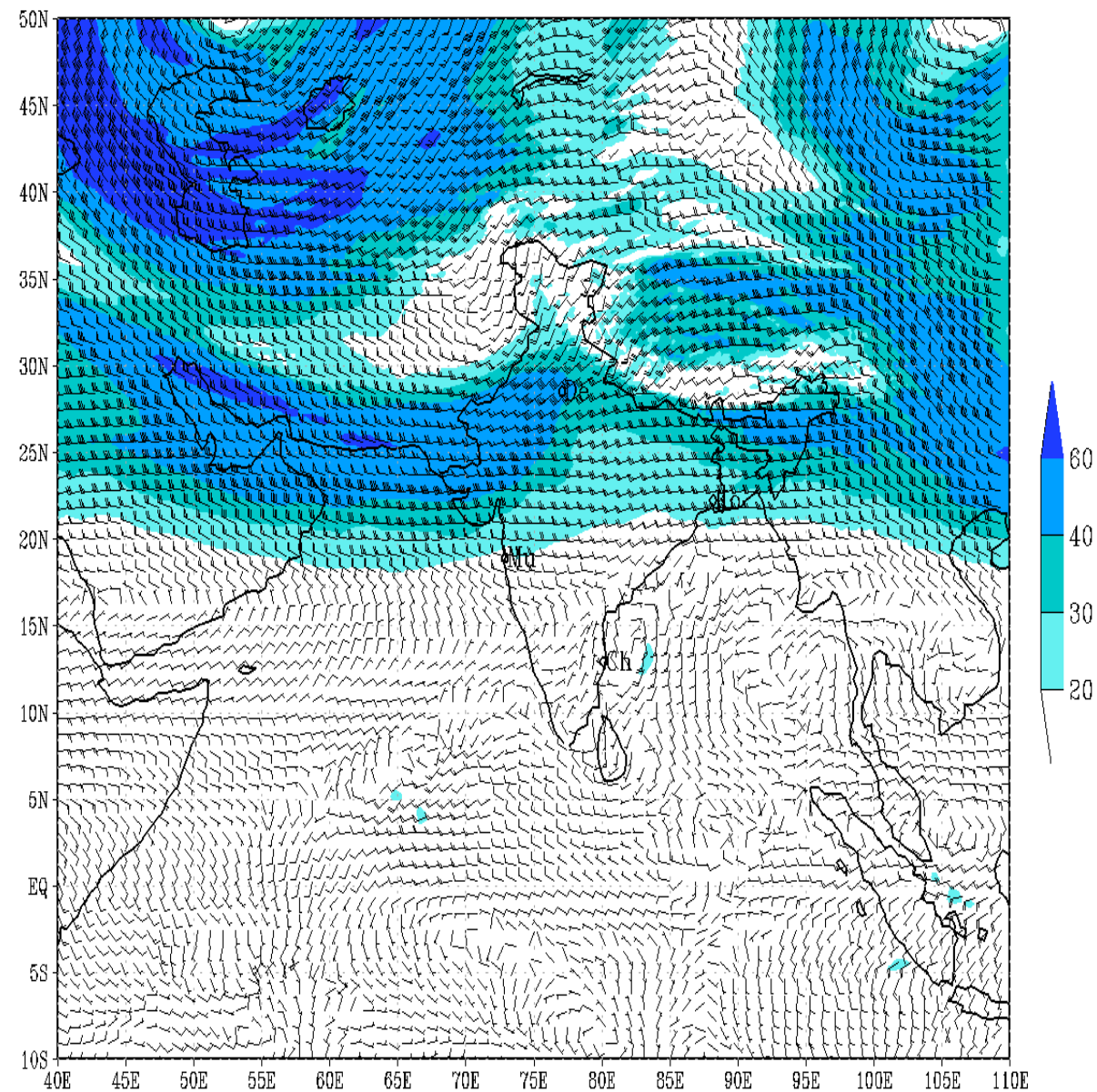
based on 00 UTC of 19-12-2024 valid for 00 UTC of 19-12-2024



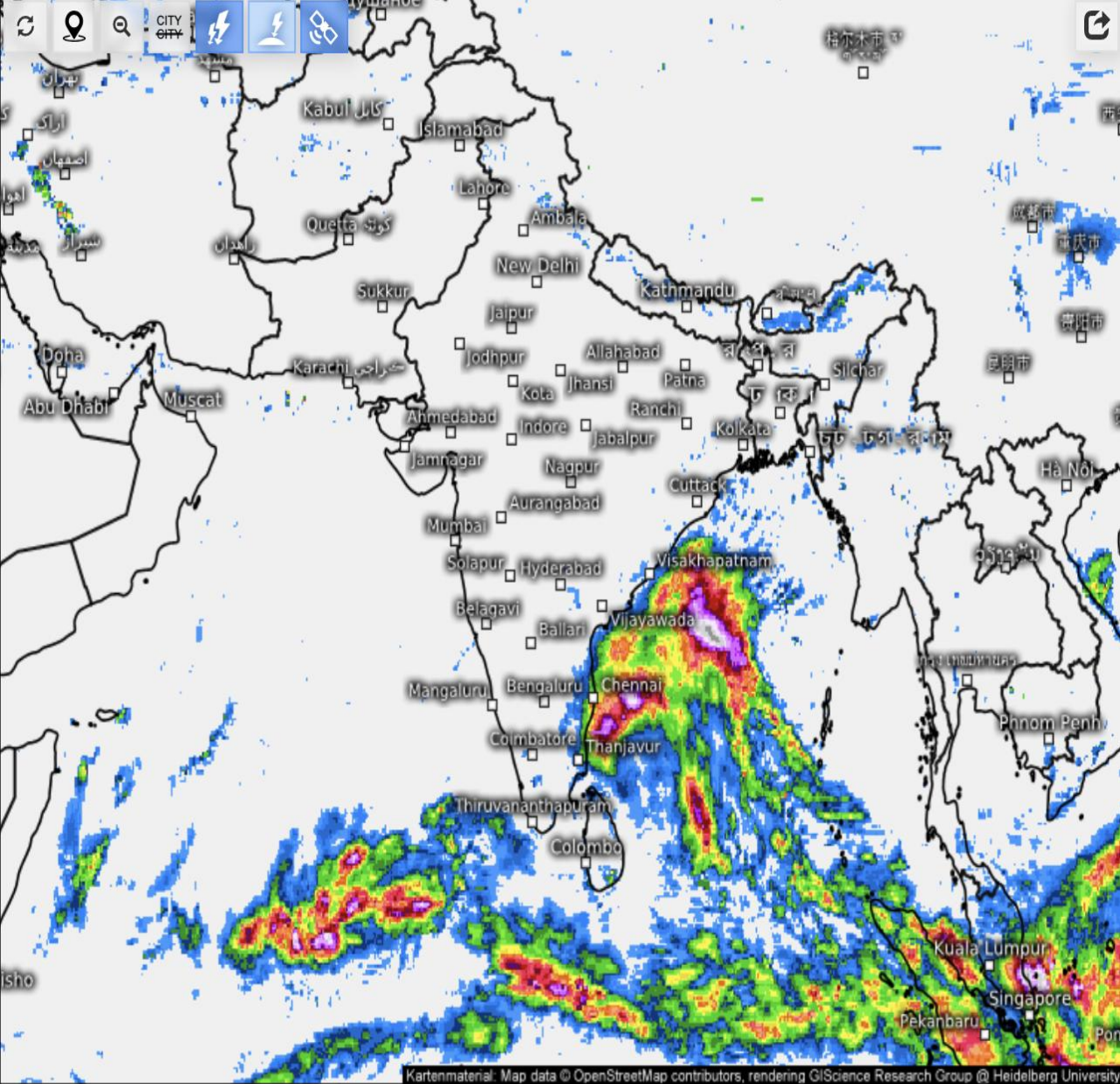
(Background does not depict political boundary)

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

based on 00 UTC of 19-12-2024 valid for 00 UTC of 19-12-2024



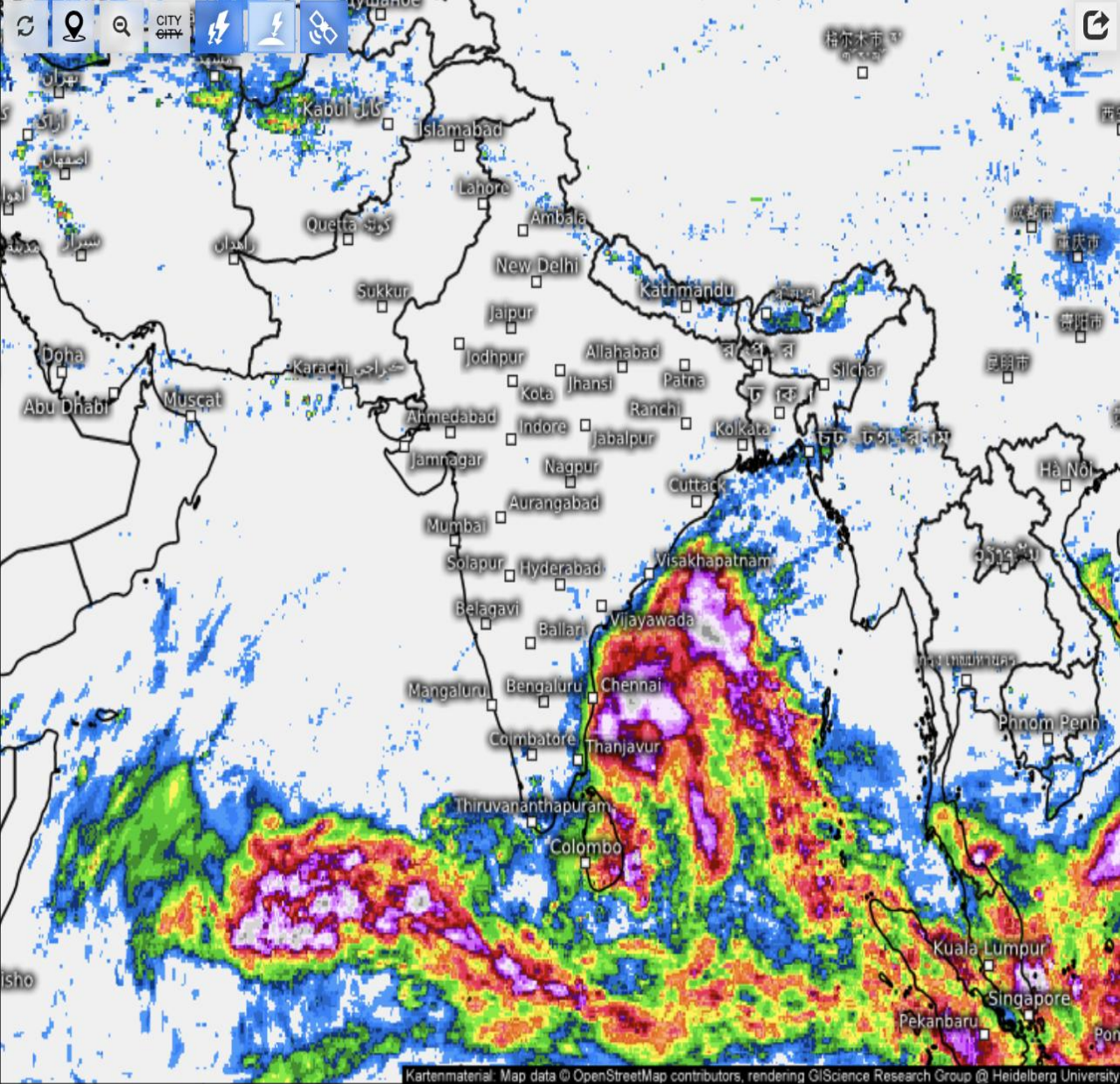
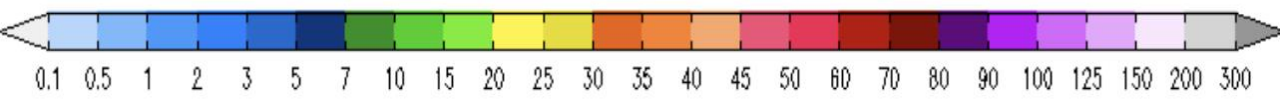
(Background does not depict political boundary)



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

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

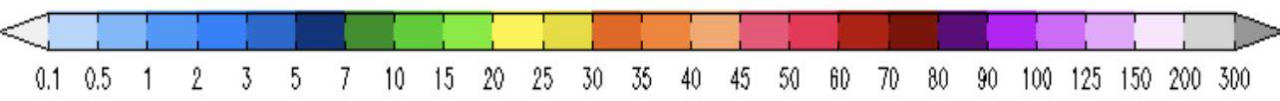
Thu 12/19/2024, 08:30am IST

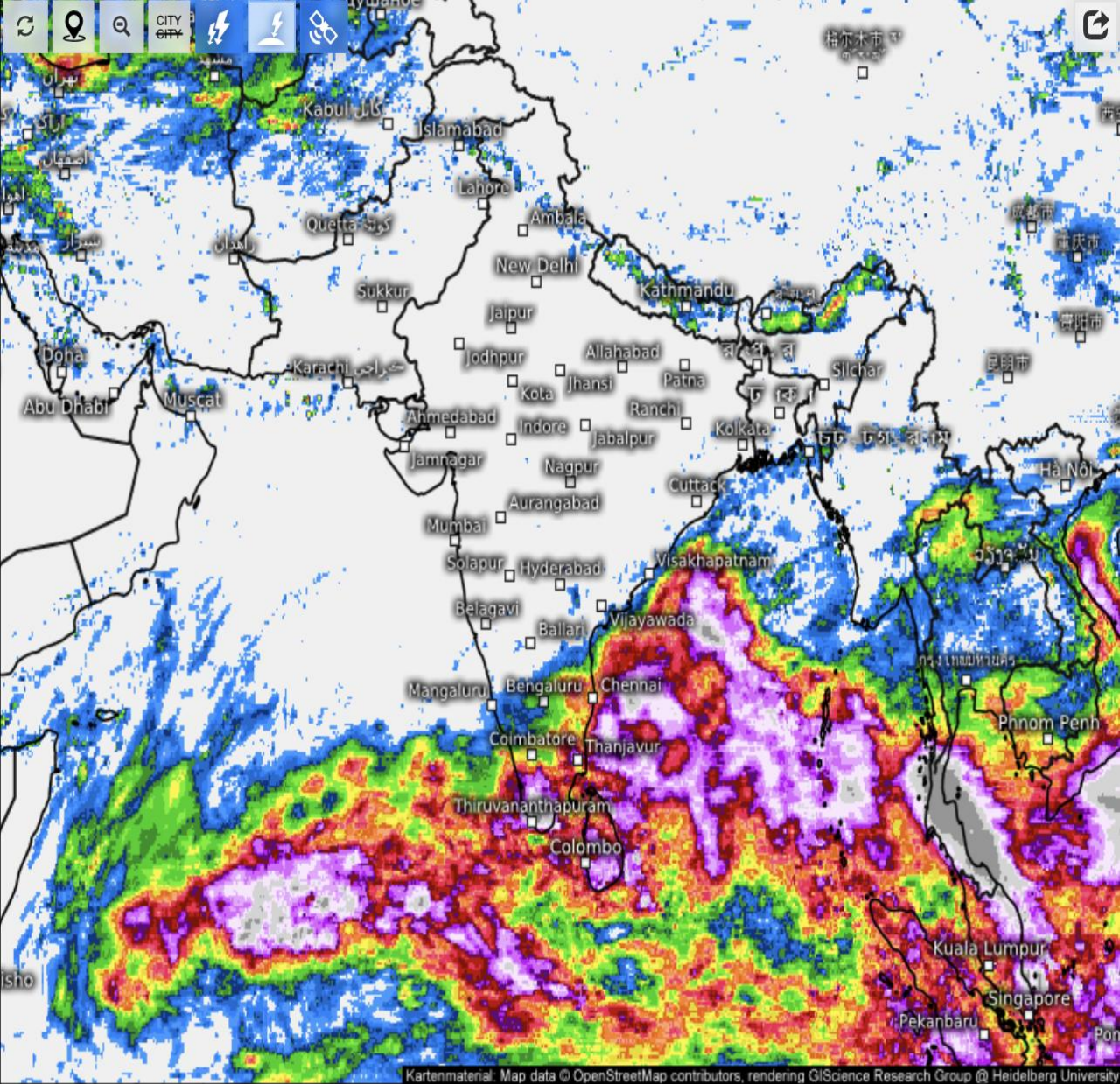


Kartenmaterial: Map data © OpenStreetMap contributors, rendering GIScience Research Group @ Heidelberg University

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

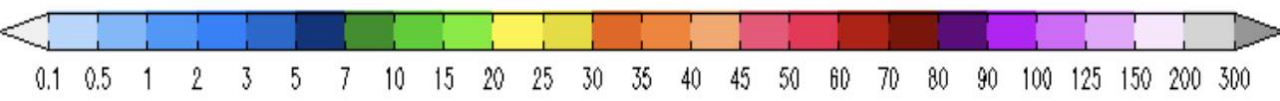
Thu 12/19/2024, 08:30am IST



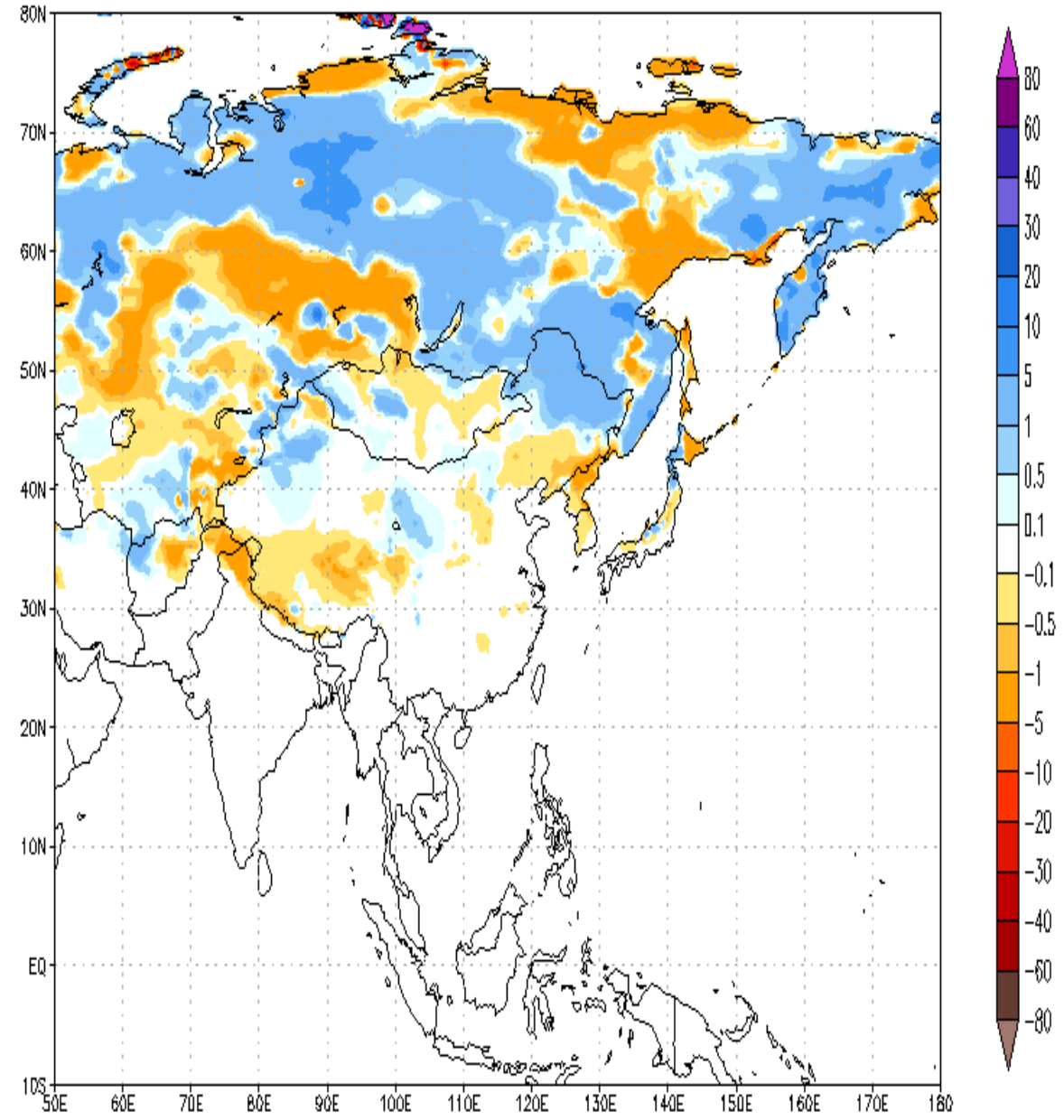


Accumulated Precipitation, 7 days (Satellite) (mm)

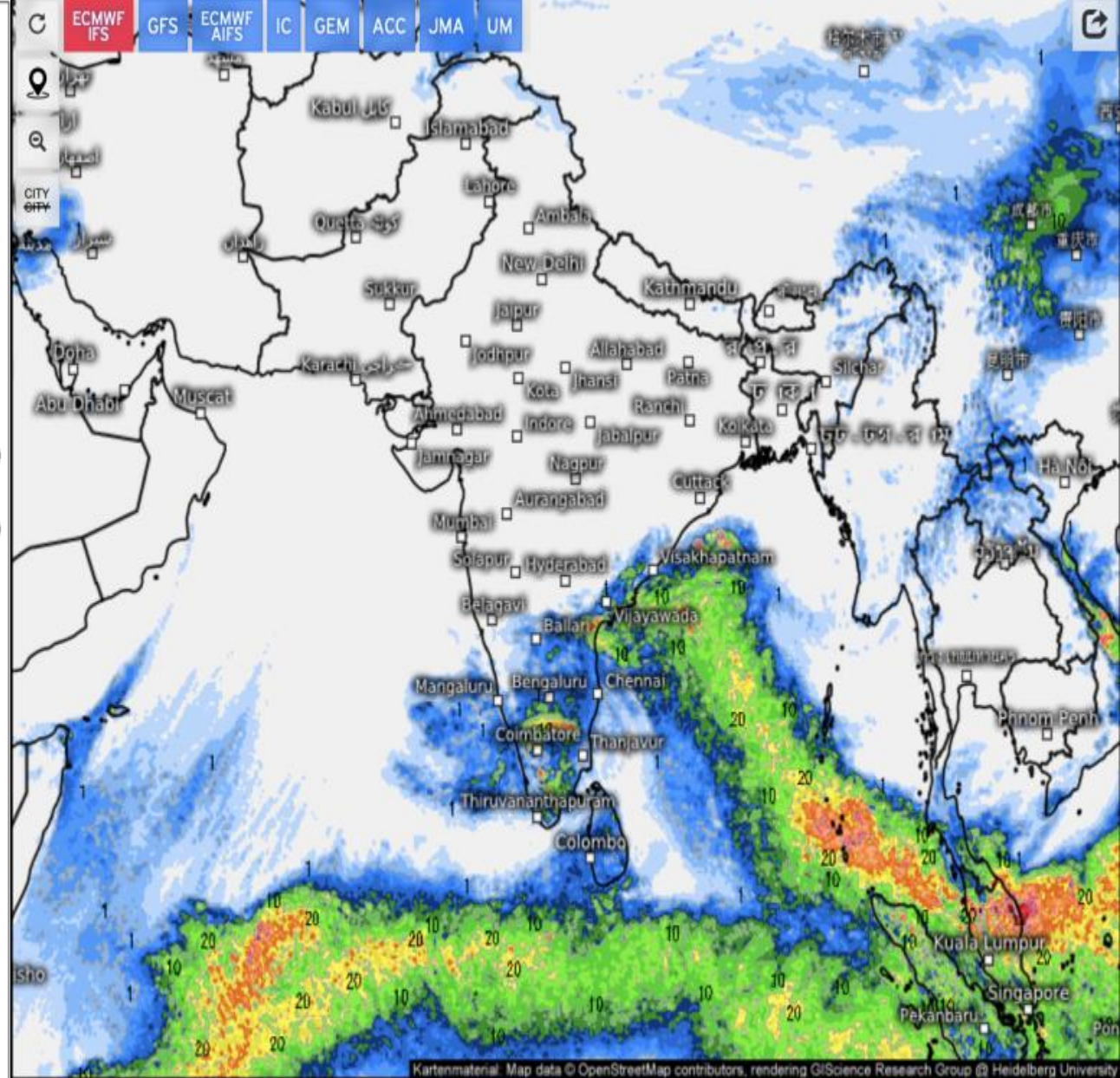
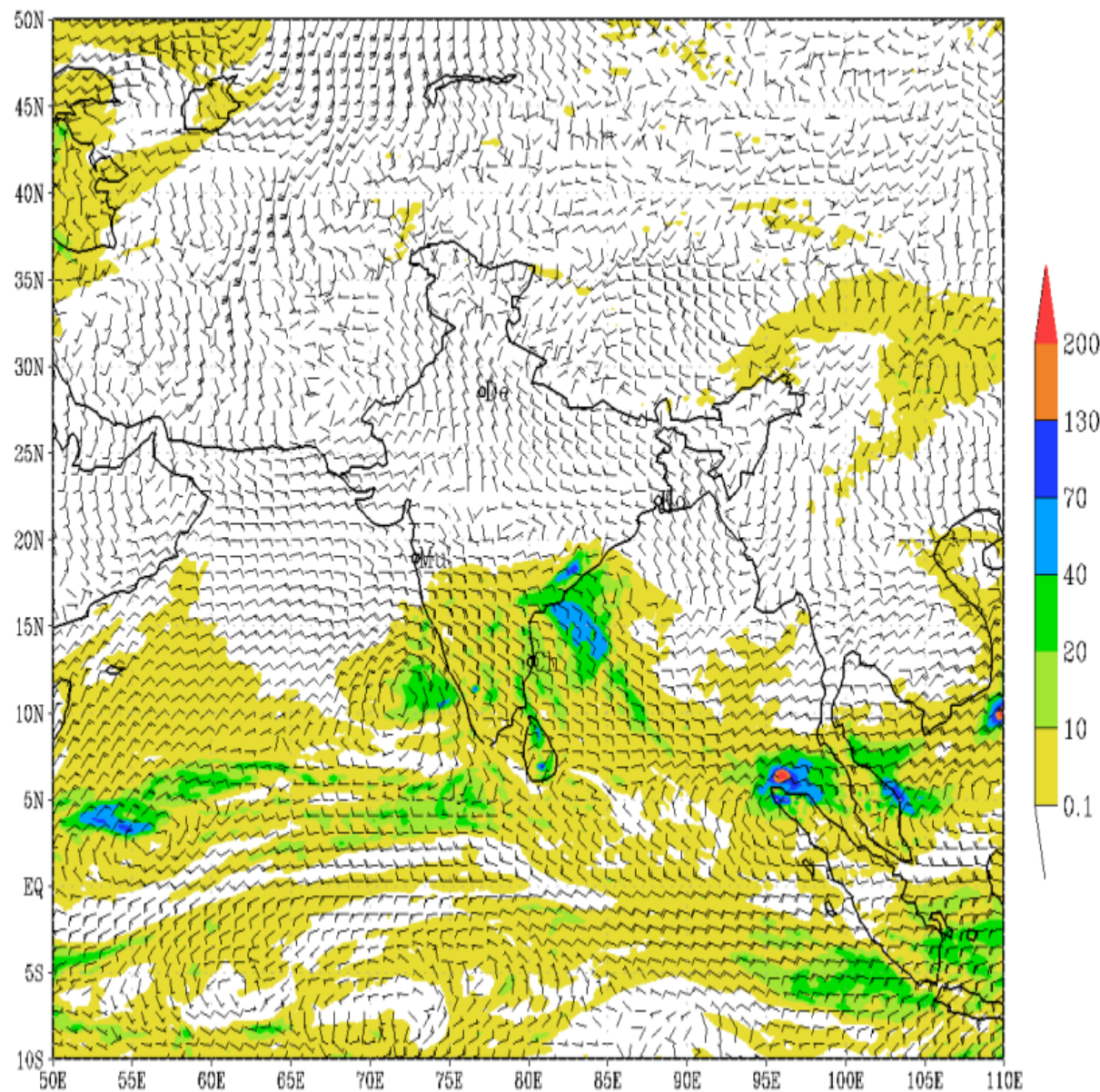
Thu 12/19/2024, 08:30am IST



Calculated Snow Water Equivalent Anomaly (cm) 20241217

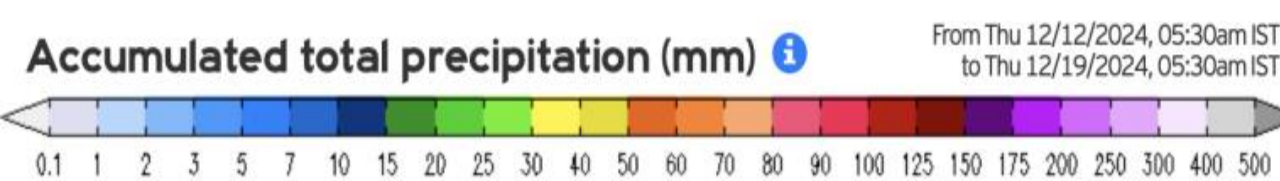
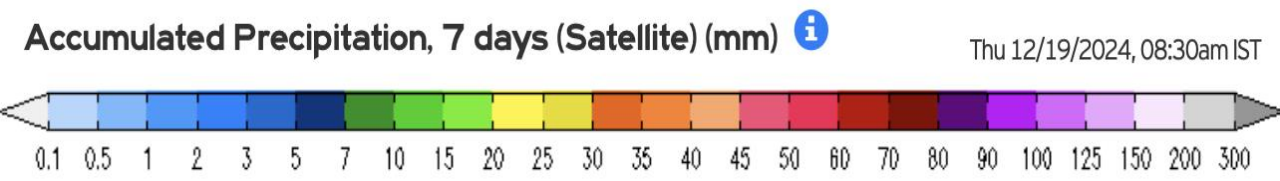
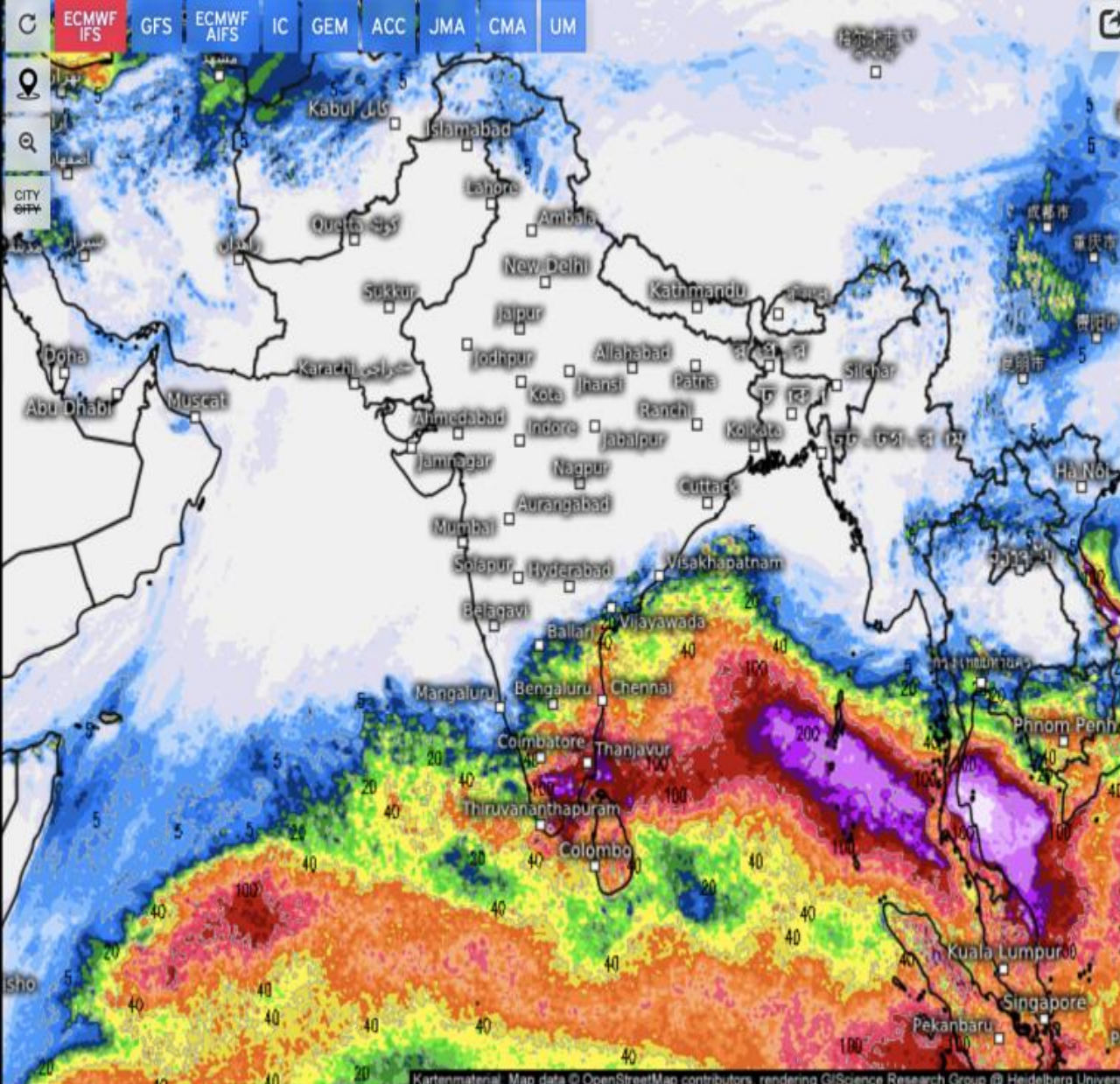
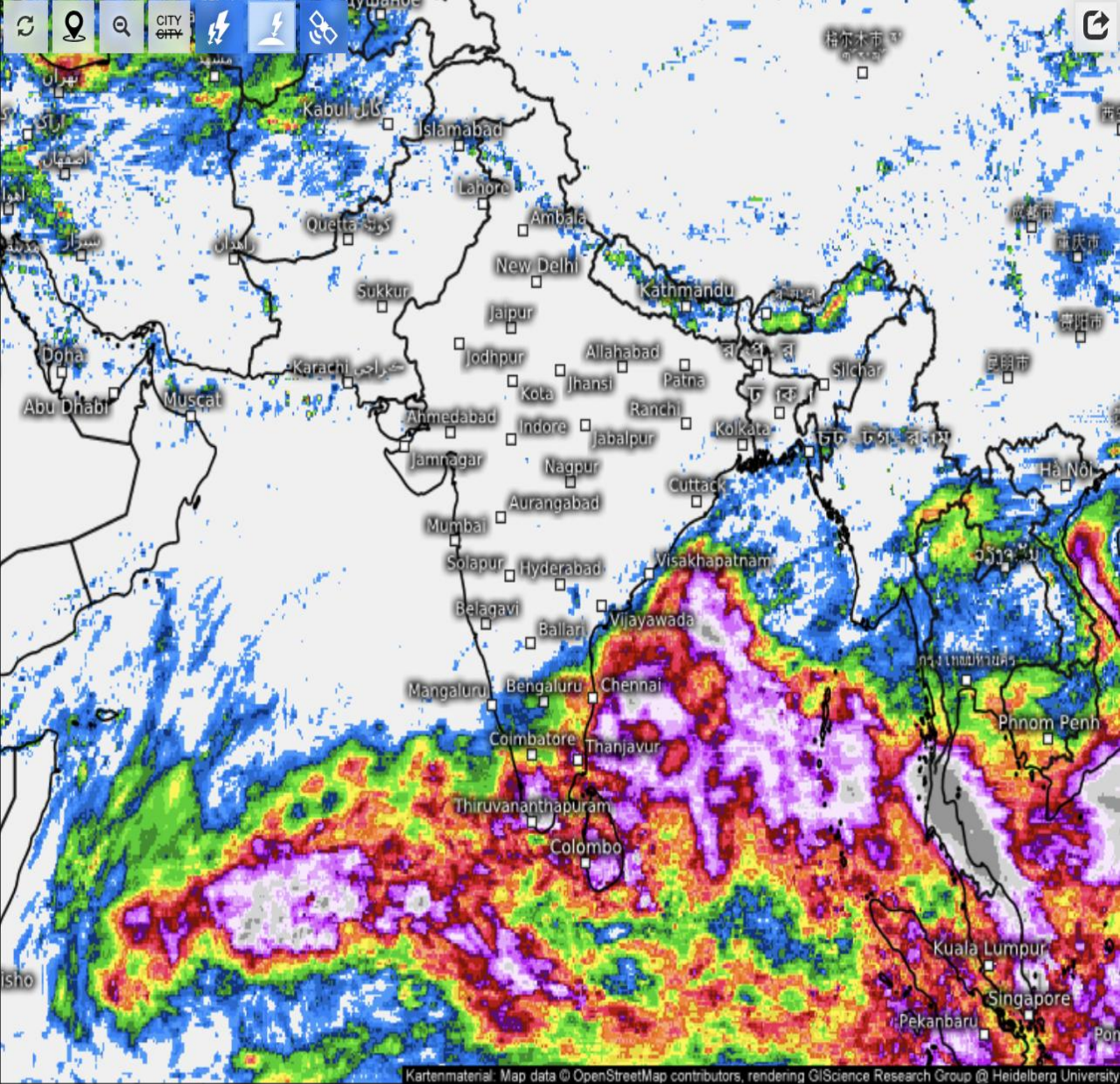


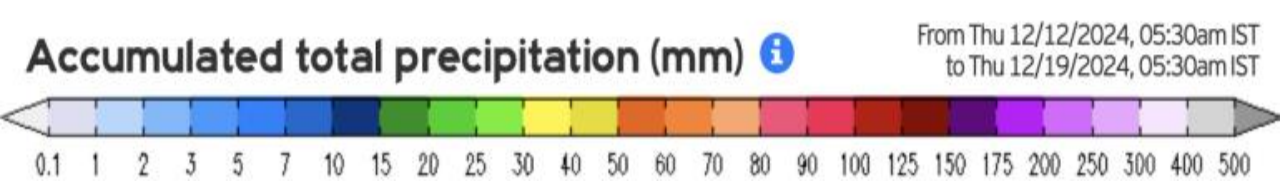
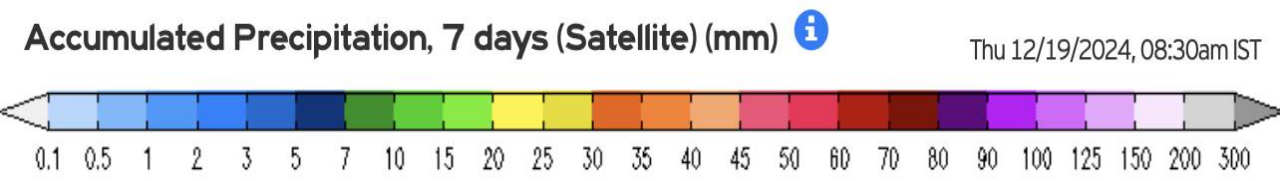
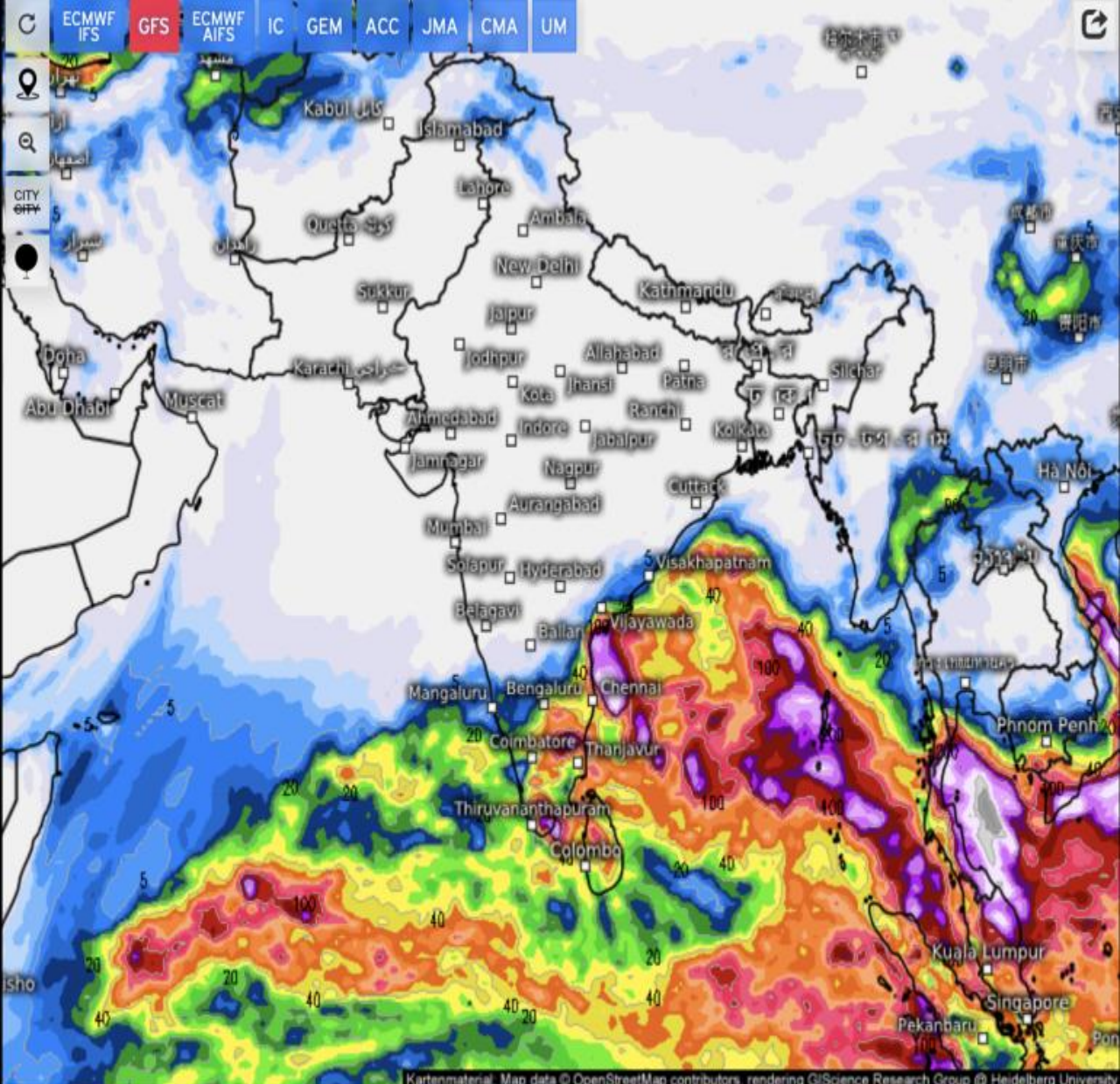
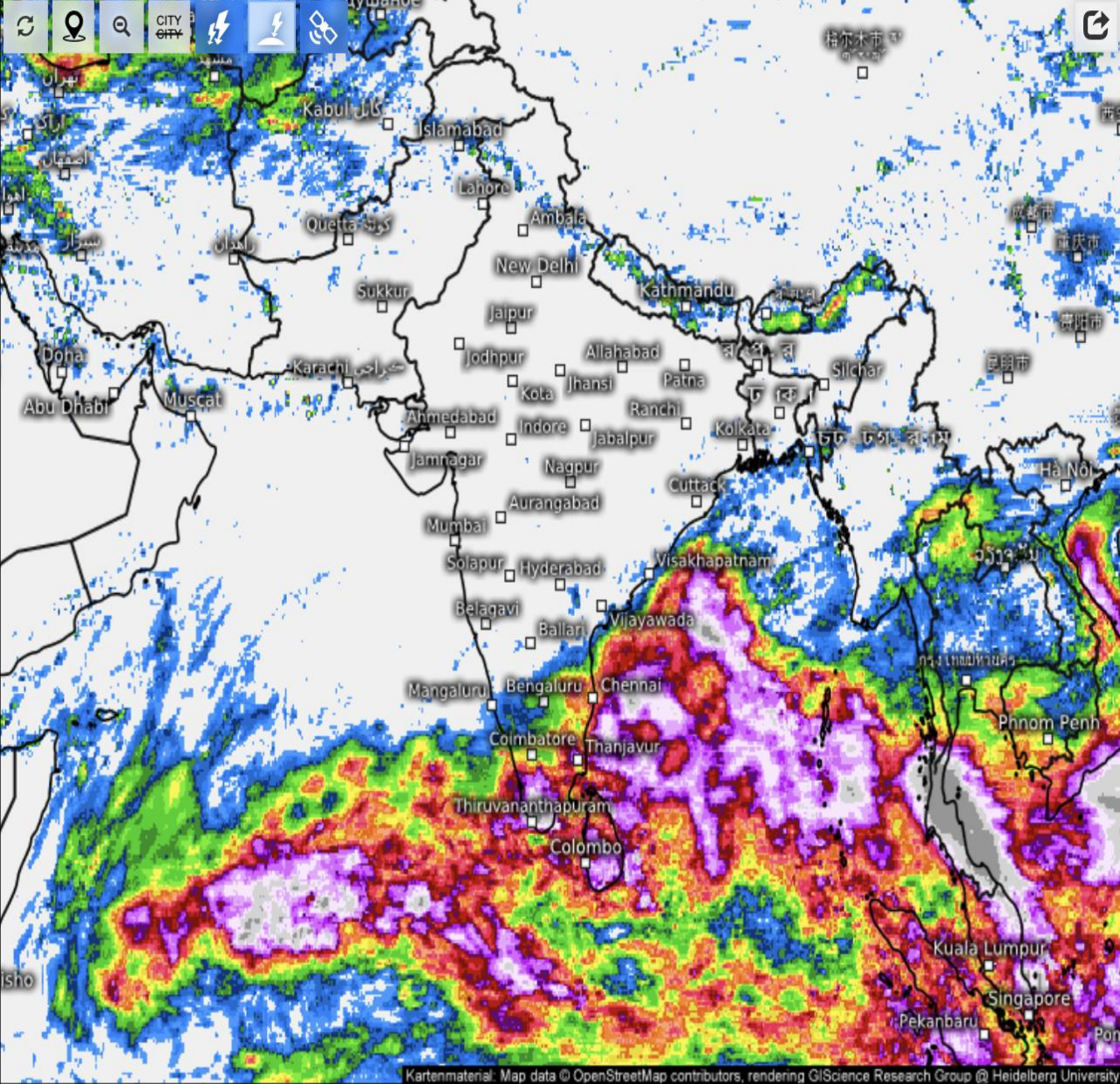
IMD :GFS MODEL(12 Km) 850 hPa WIND (kt) & RAINFALL (mm) FORECAST (168 HR)
based on 00 UTC of 12-12-2024 valid for 03 UTC of 19-12-2024

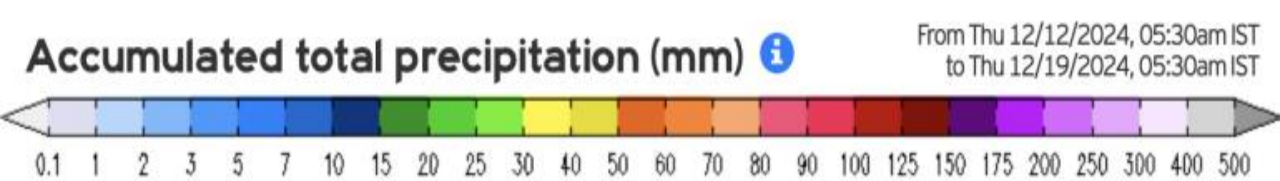
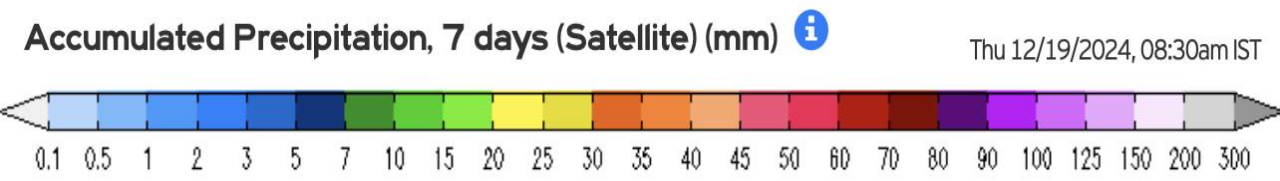
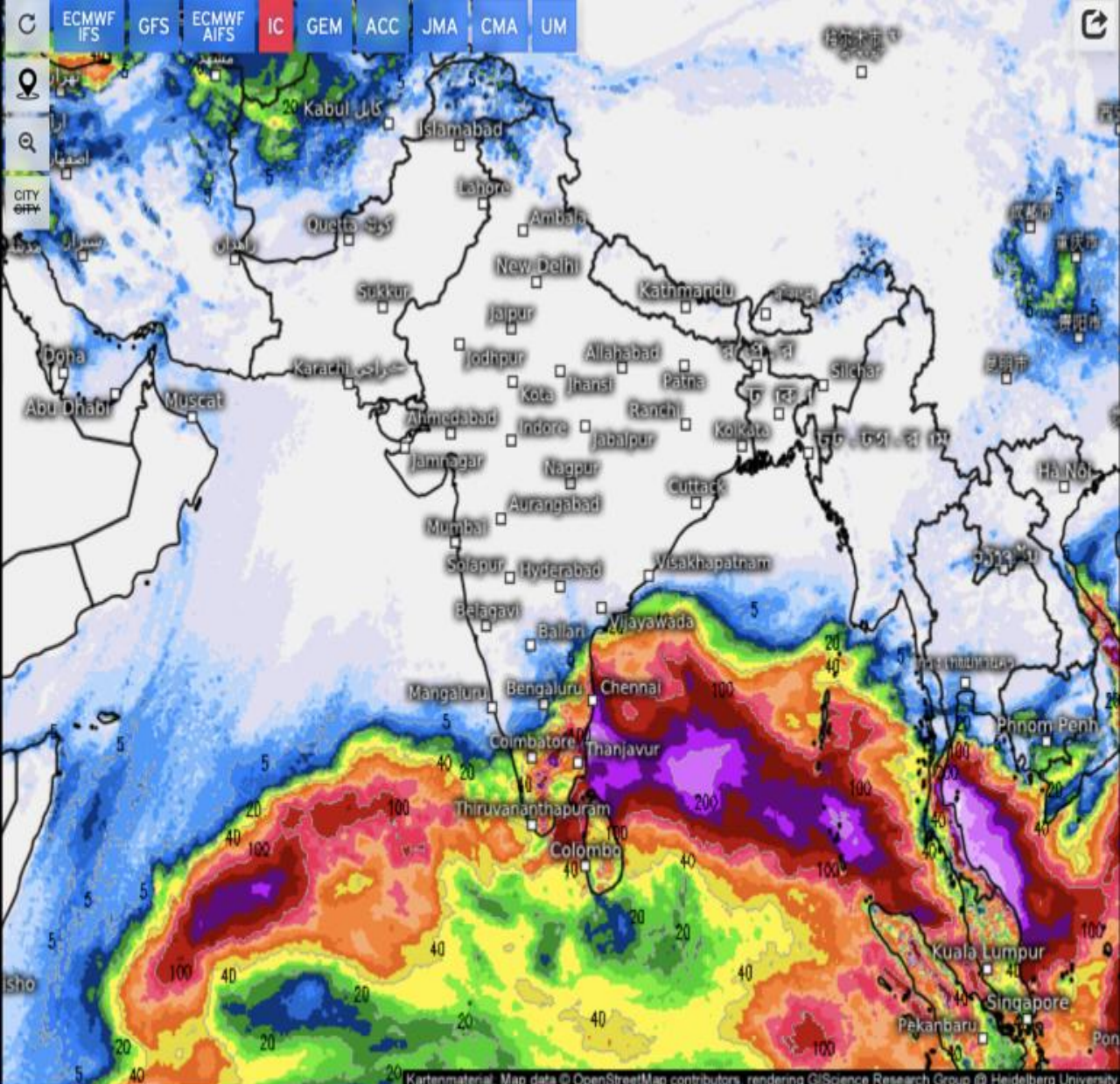
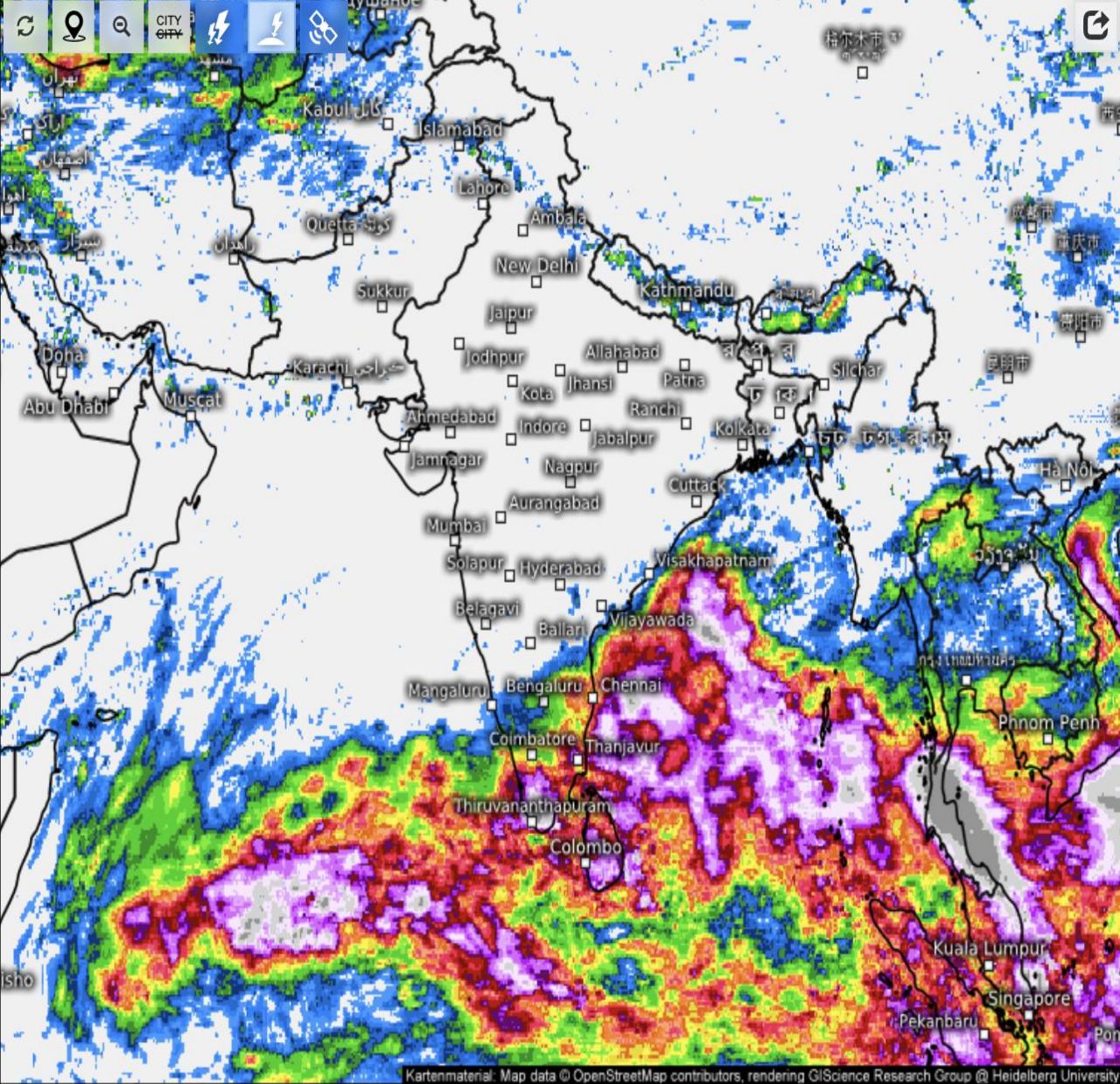


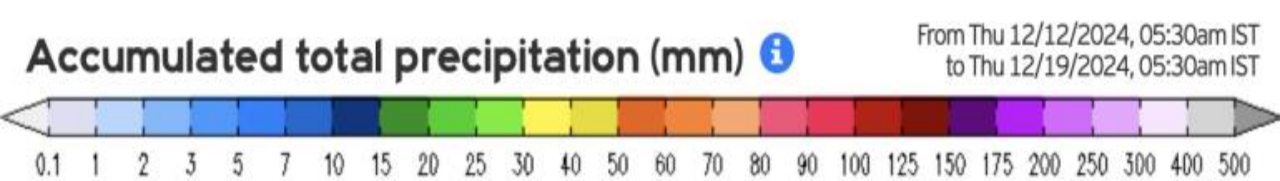
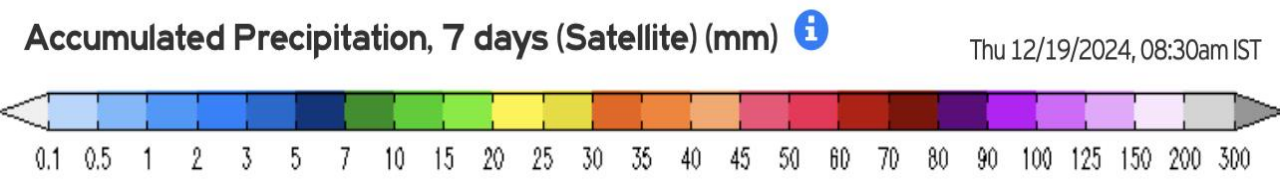
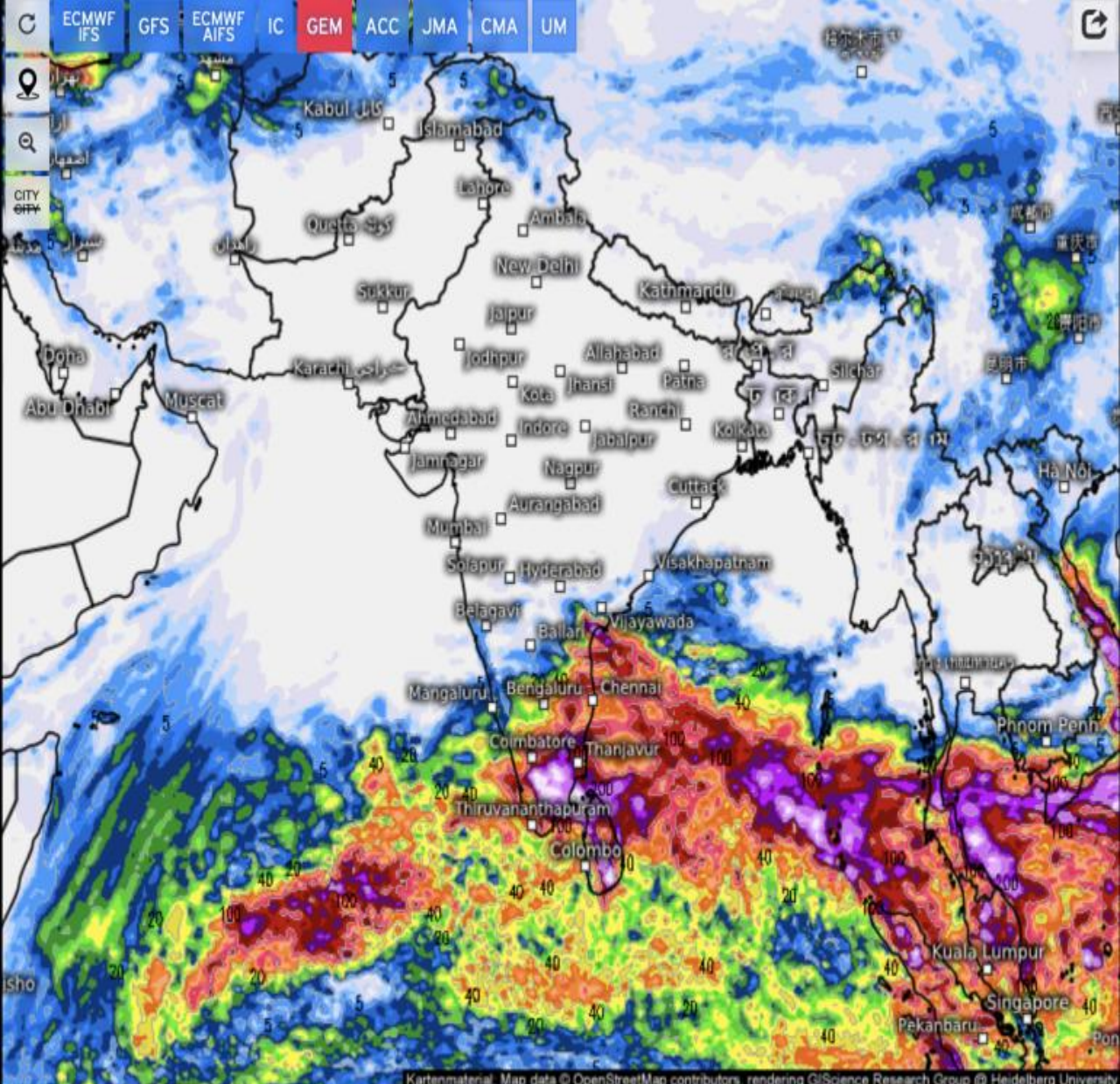
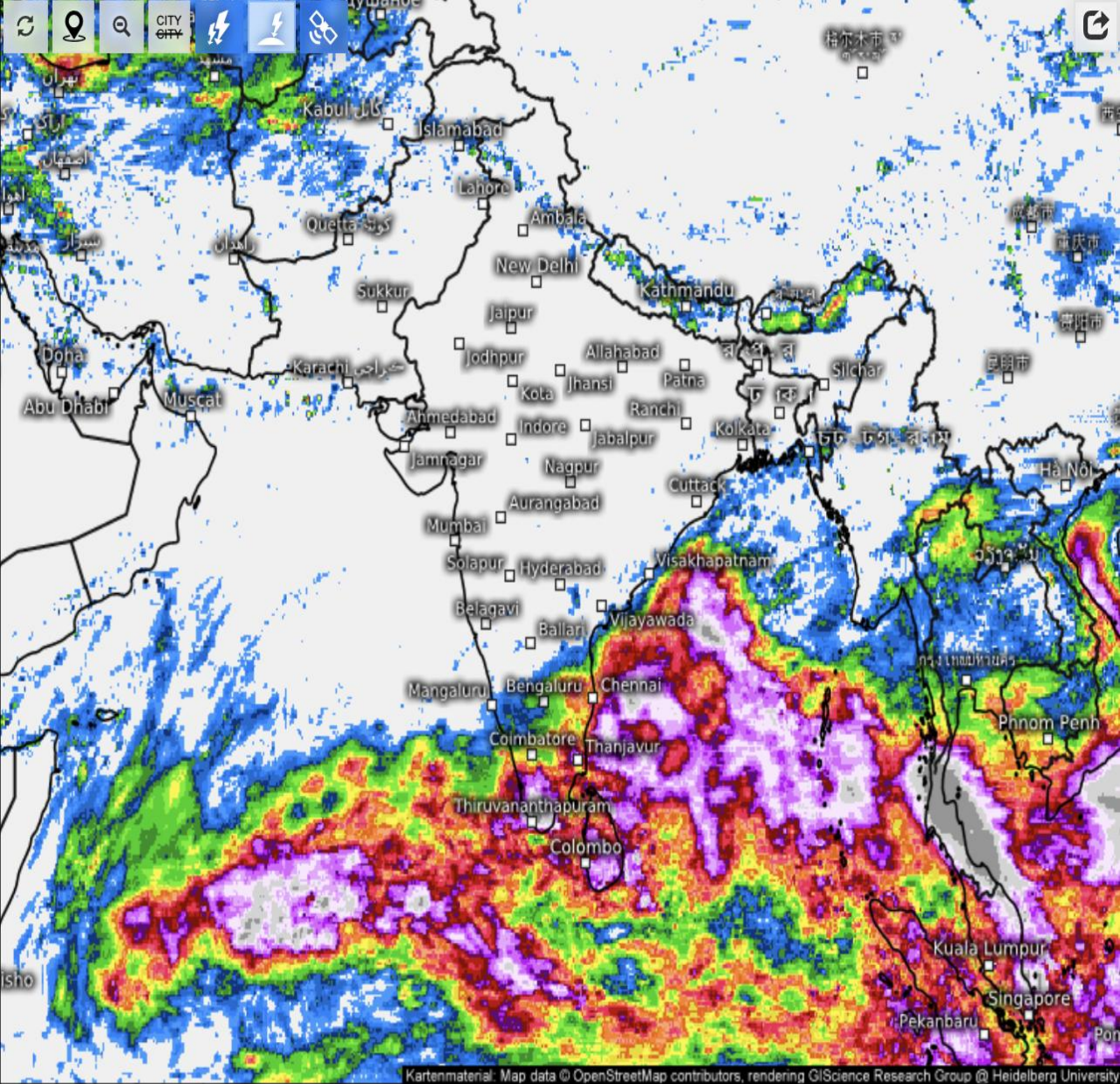
Precipitation, 24h (mm)

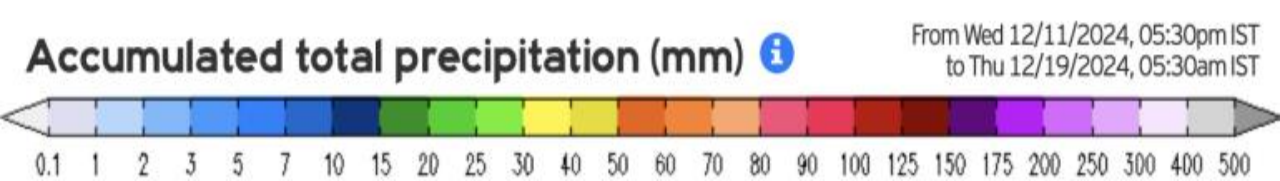
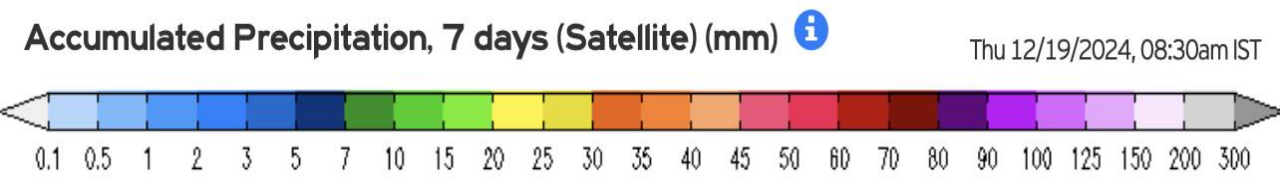
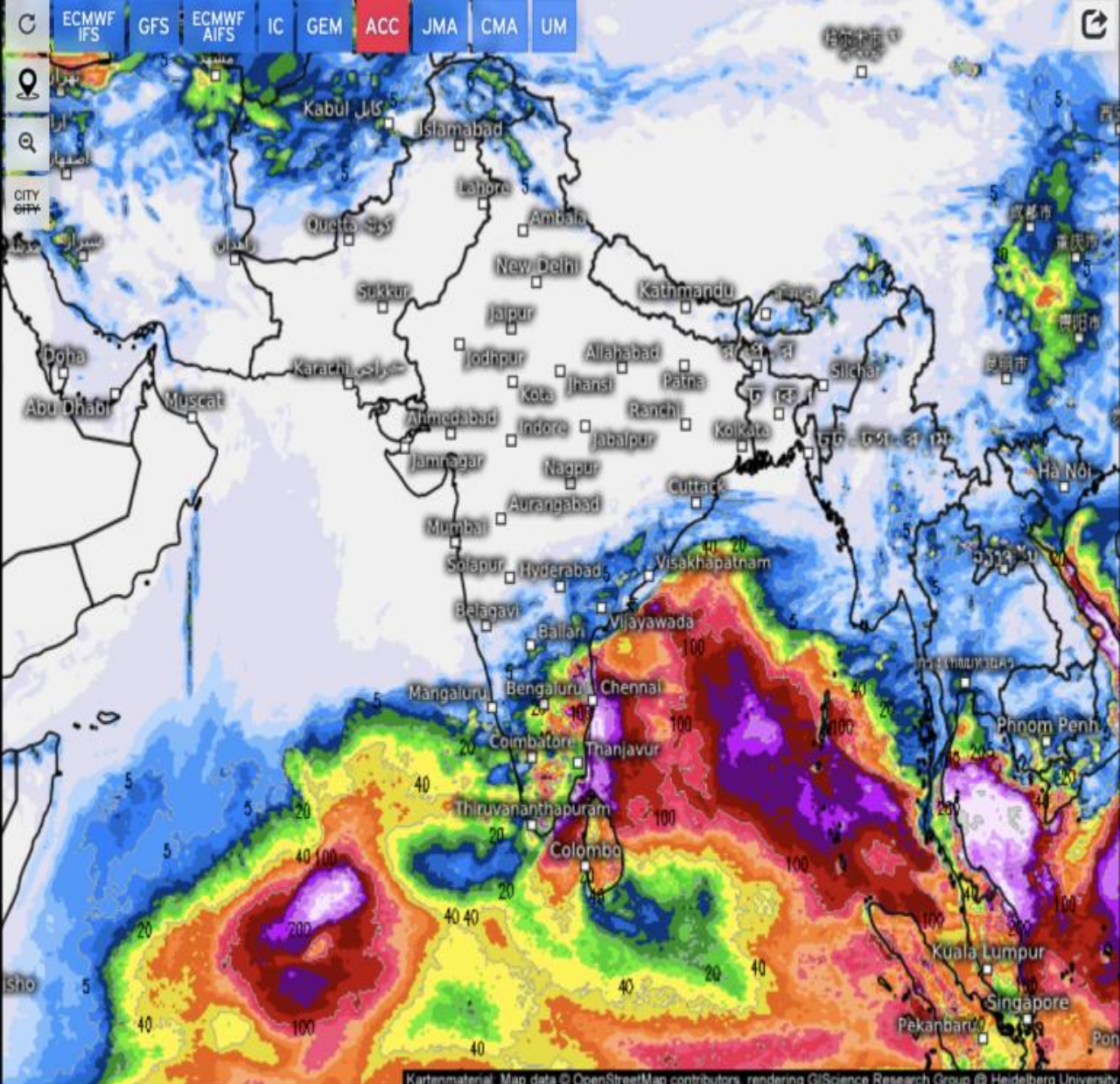
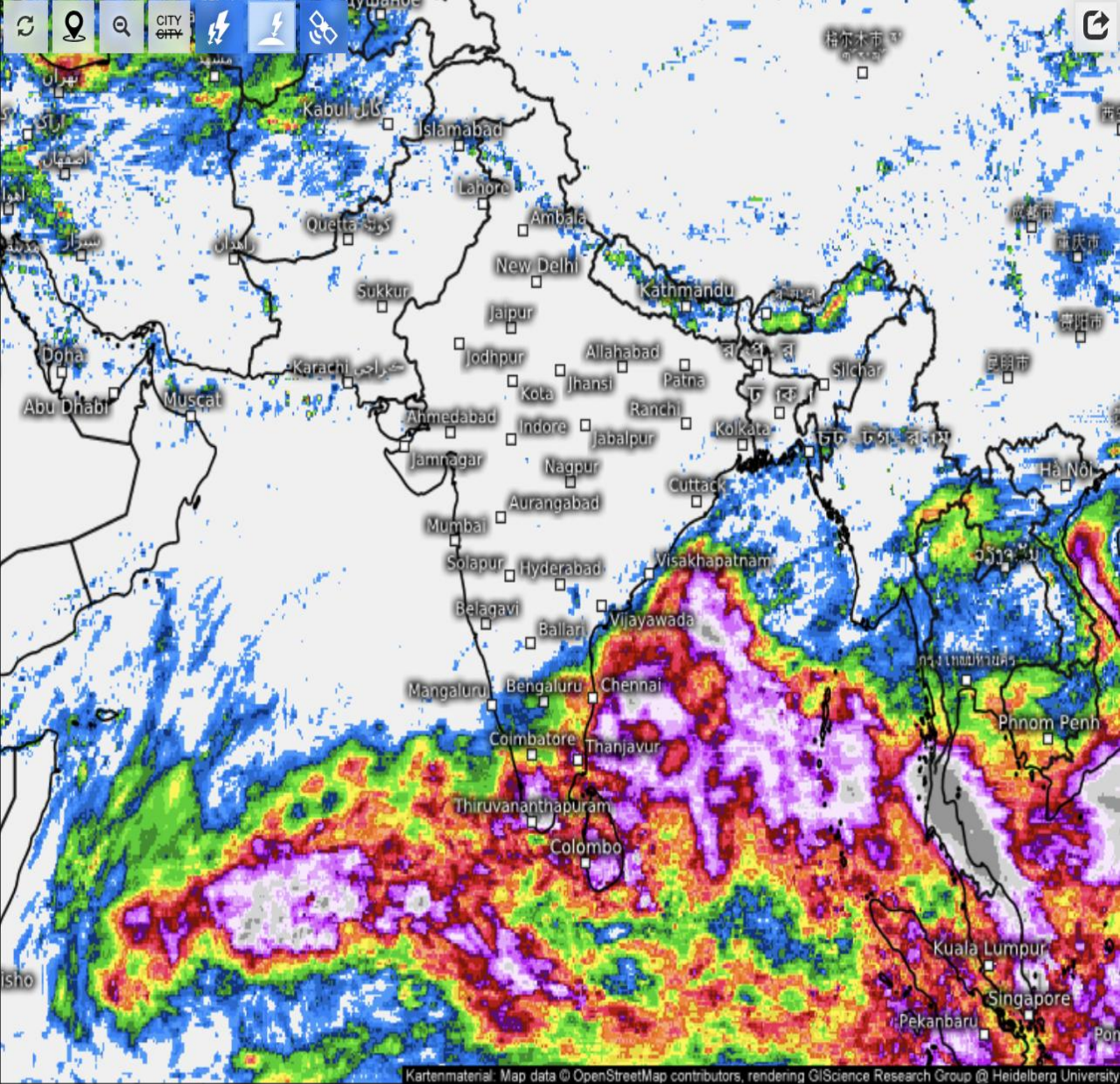
Valid for
Thu 12/19/2024, 05:30am IST

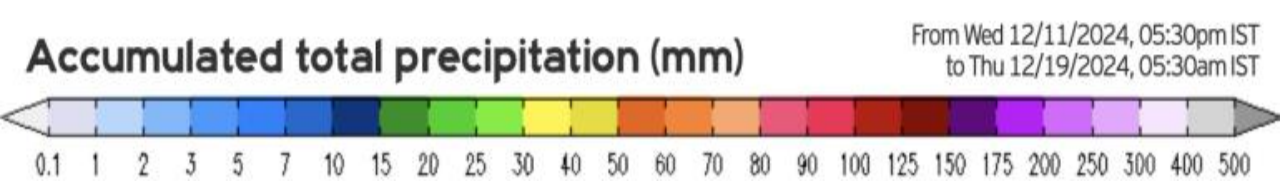
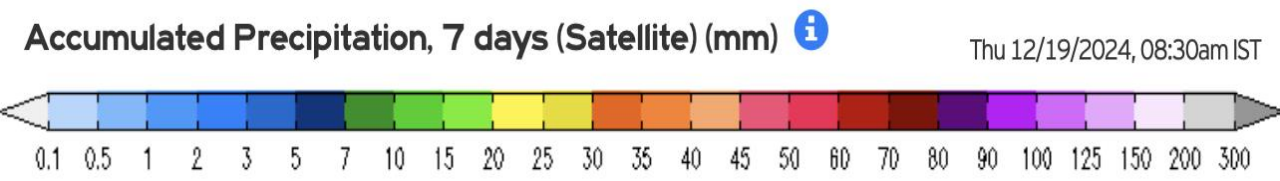
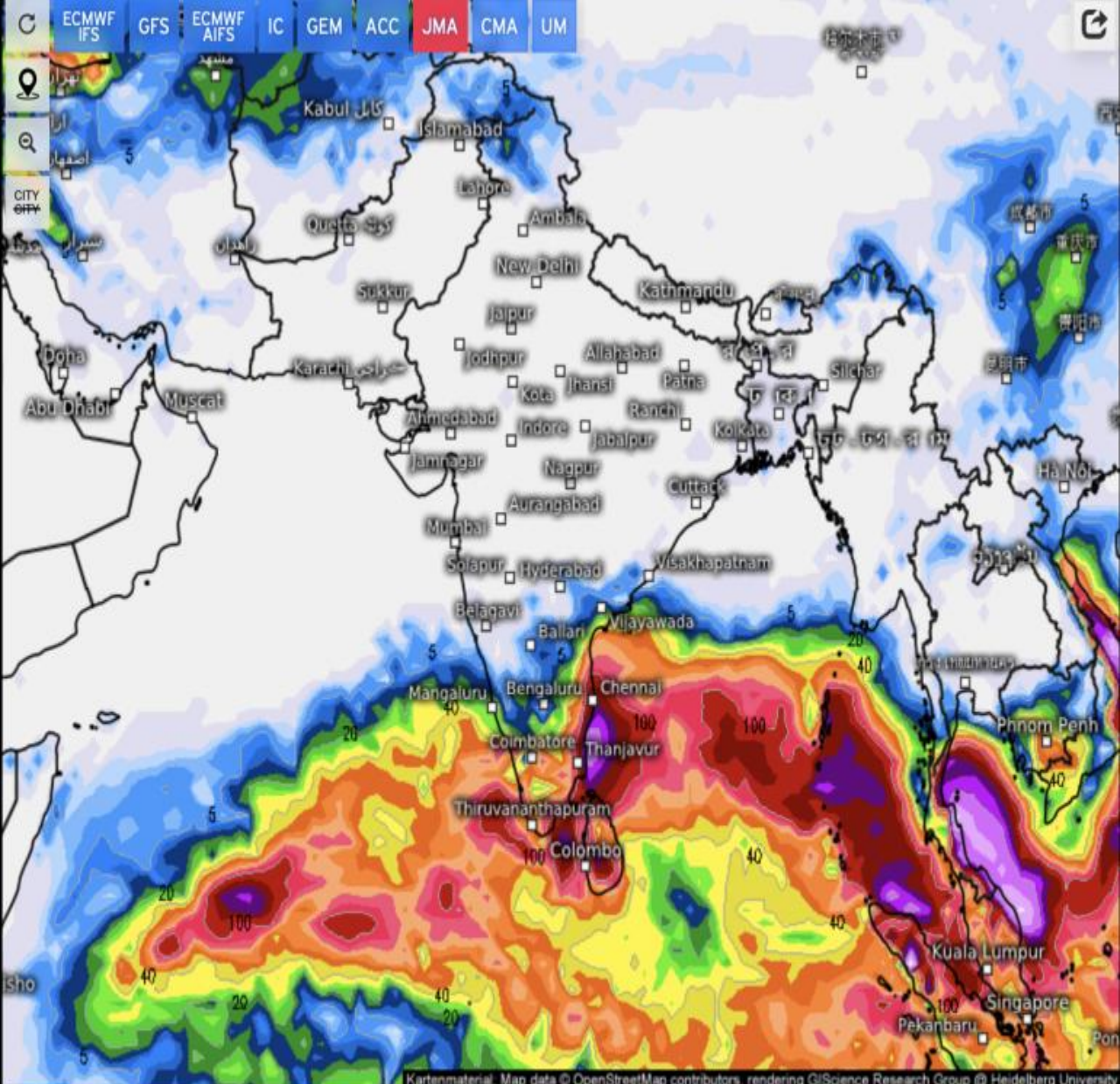
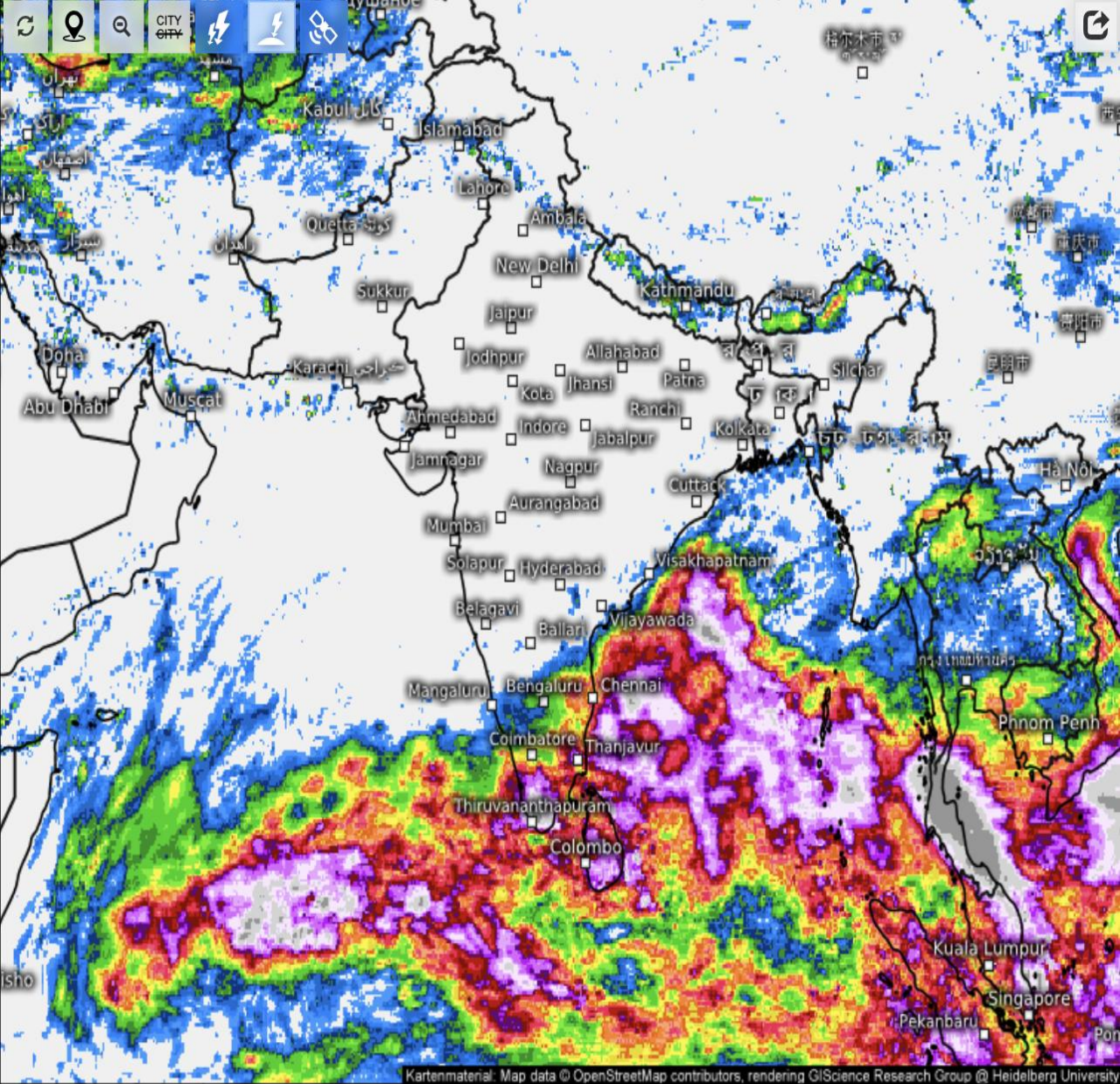


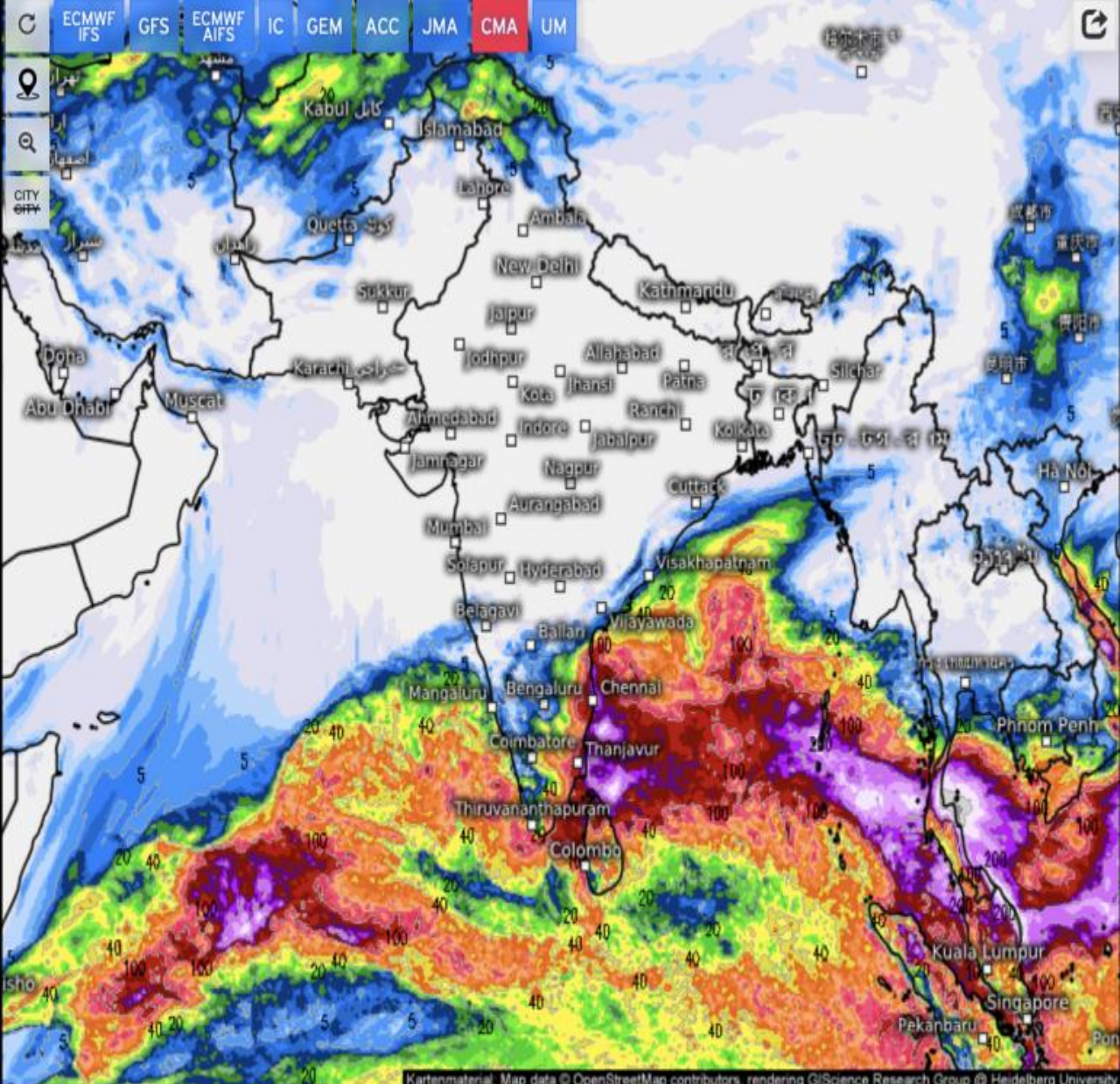
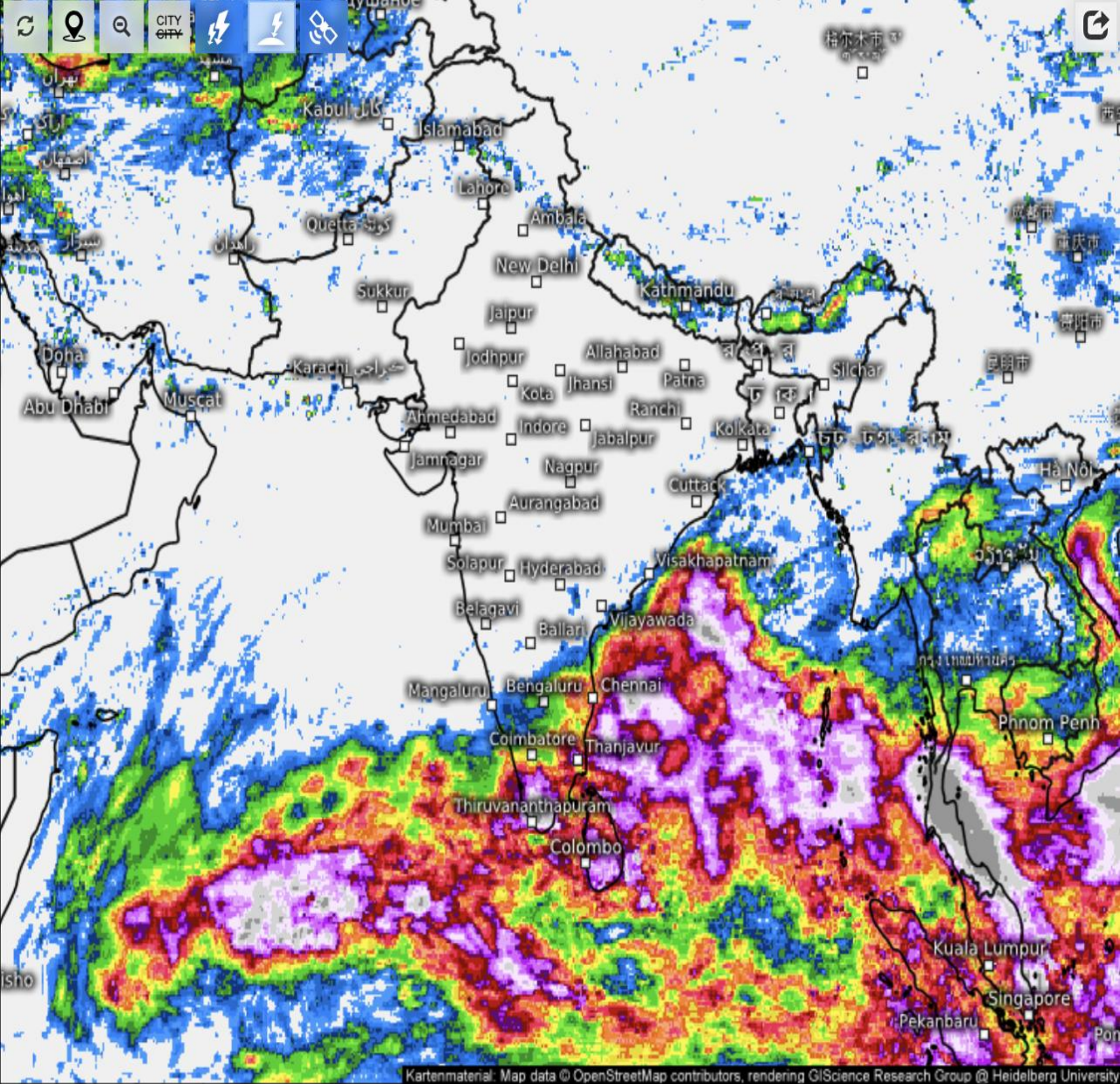






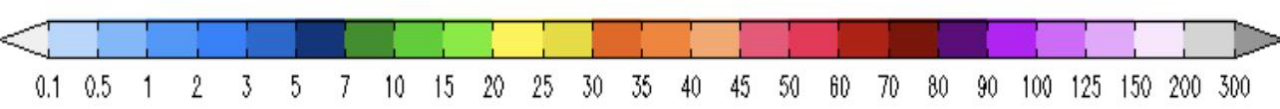






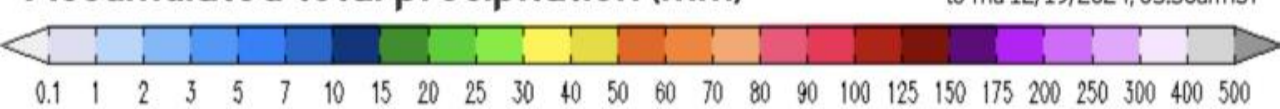
Accumulated Precipitation, 7 days (Satellite) (mm)

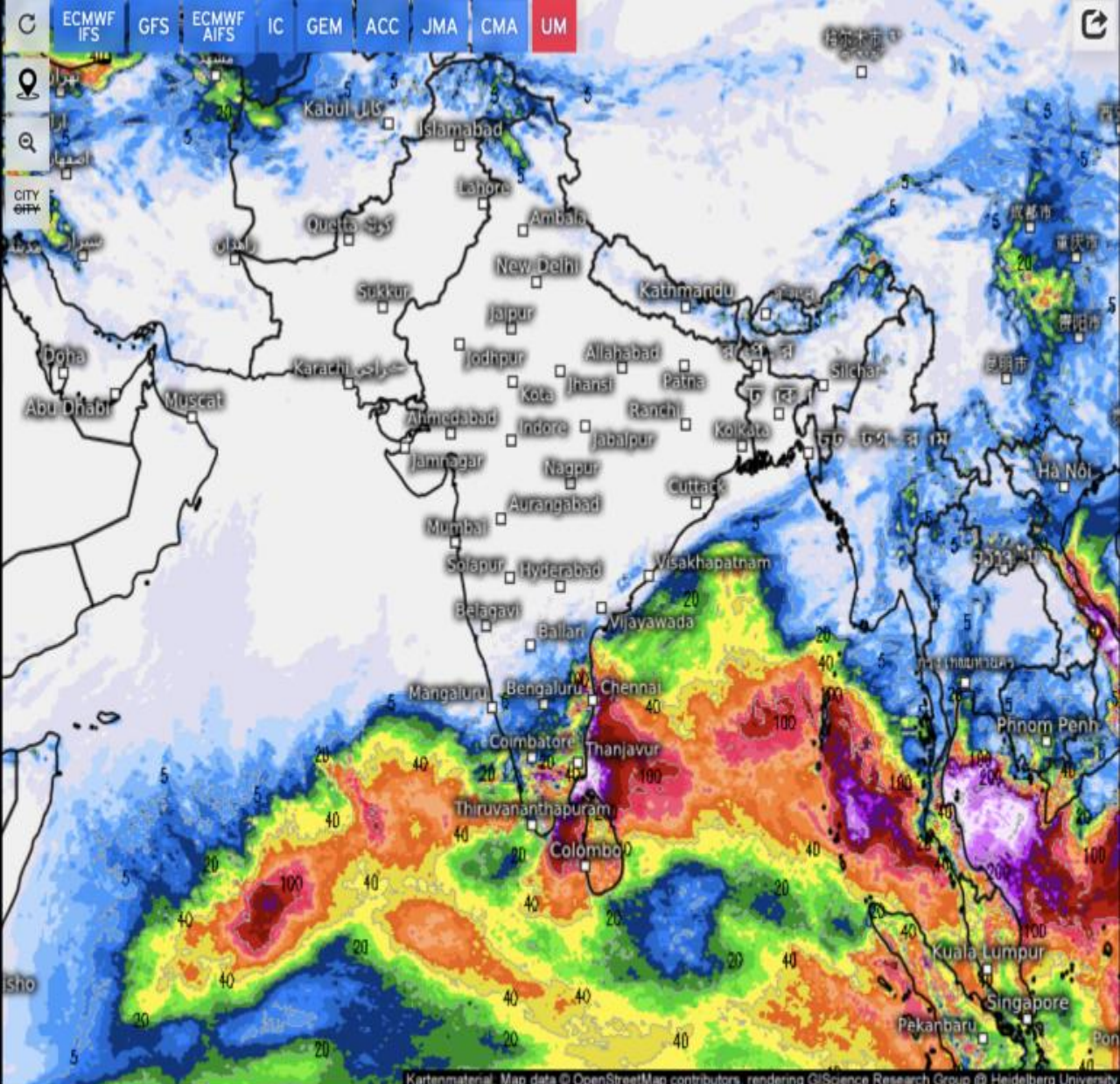
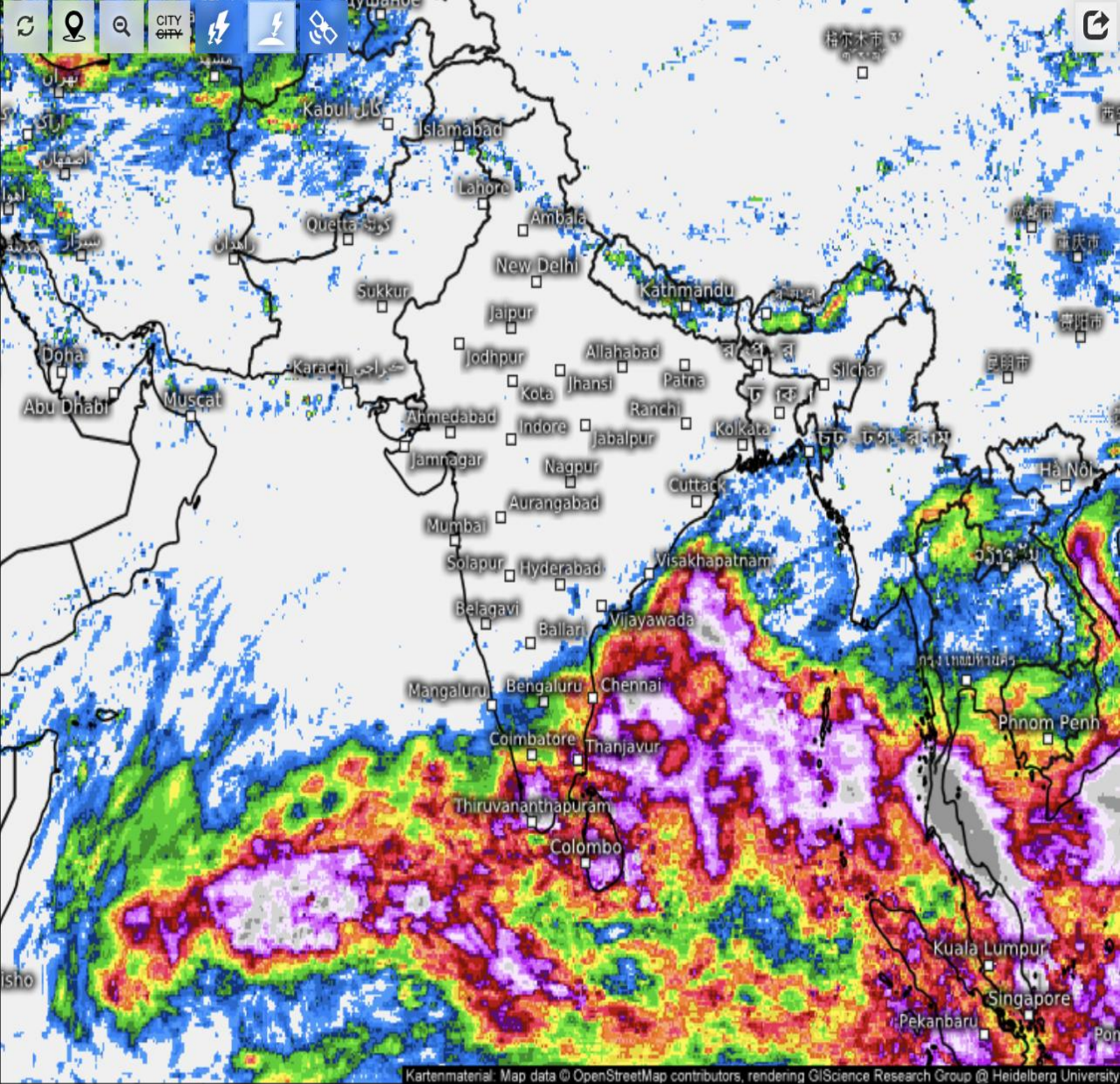
Thu 12/19/2024, 08:30am IST



Accumulated total precipitation (mm)

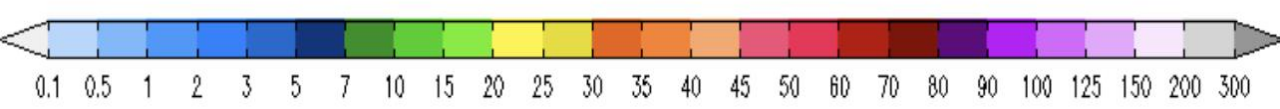
From Wed 12/11/2024, 05:30pm IST
to Thu 12/19/2024, 05:30am IST





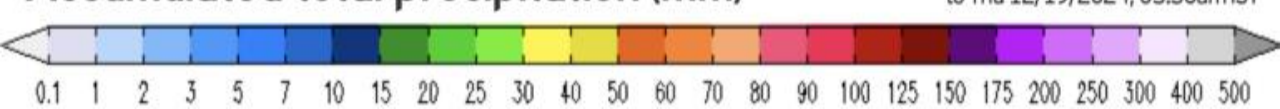
Accumulated Precipitation, 7 days (Satellite) (mm) ⓘ

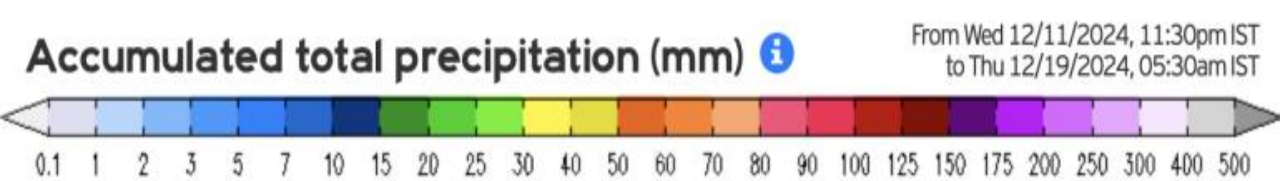
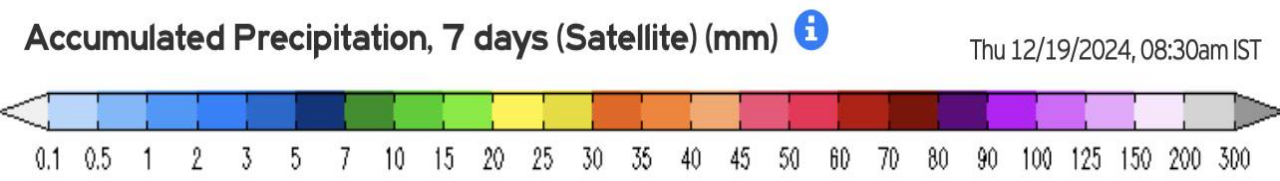
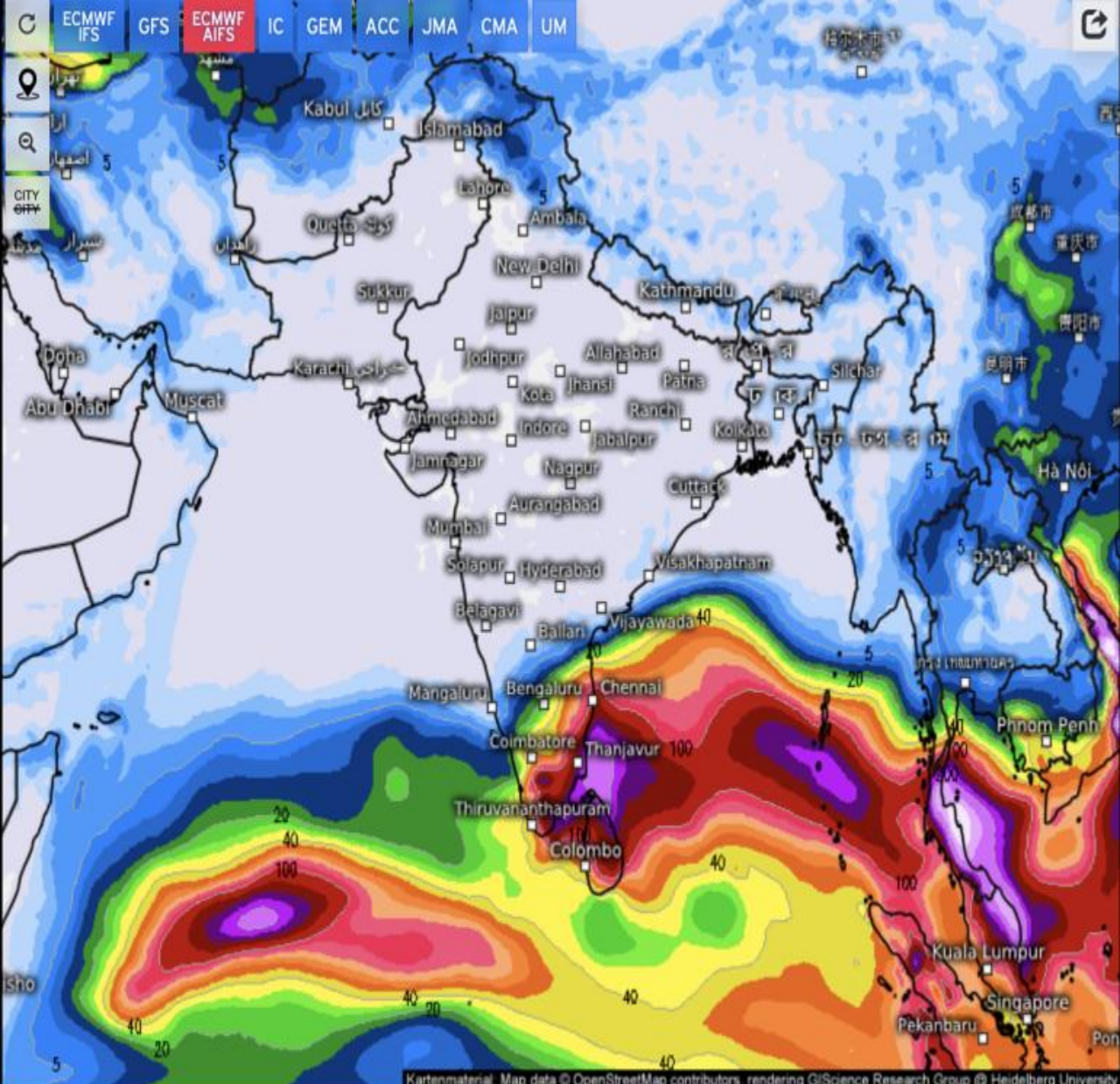
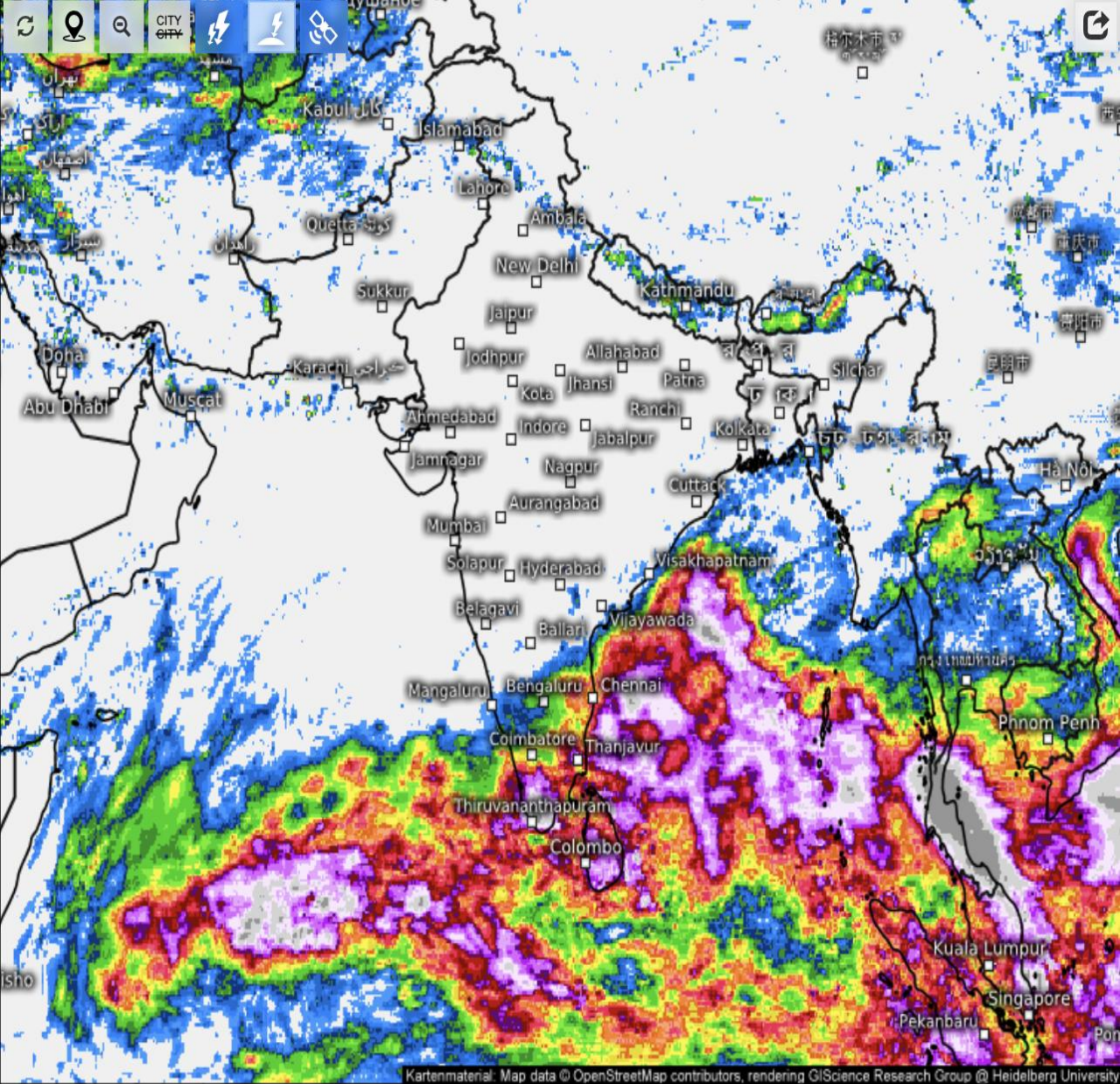
Thu 12/19/2024, 08:30am IST

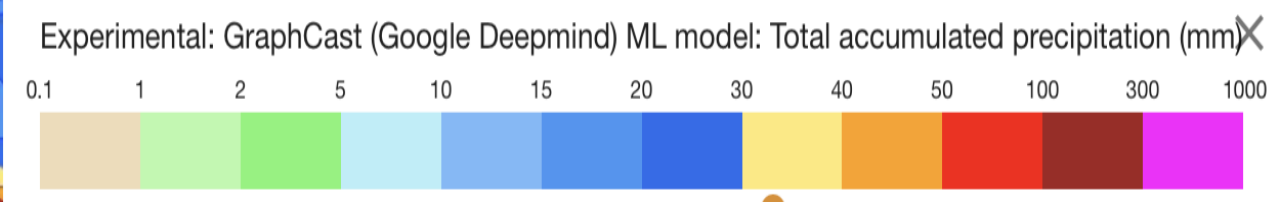
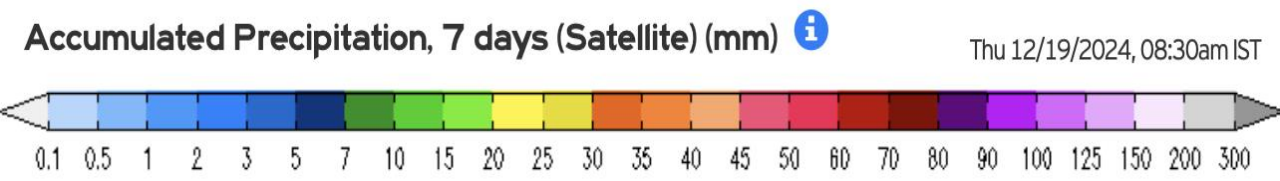
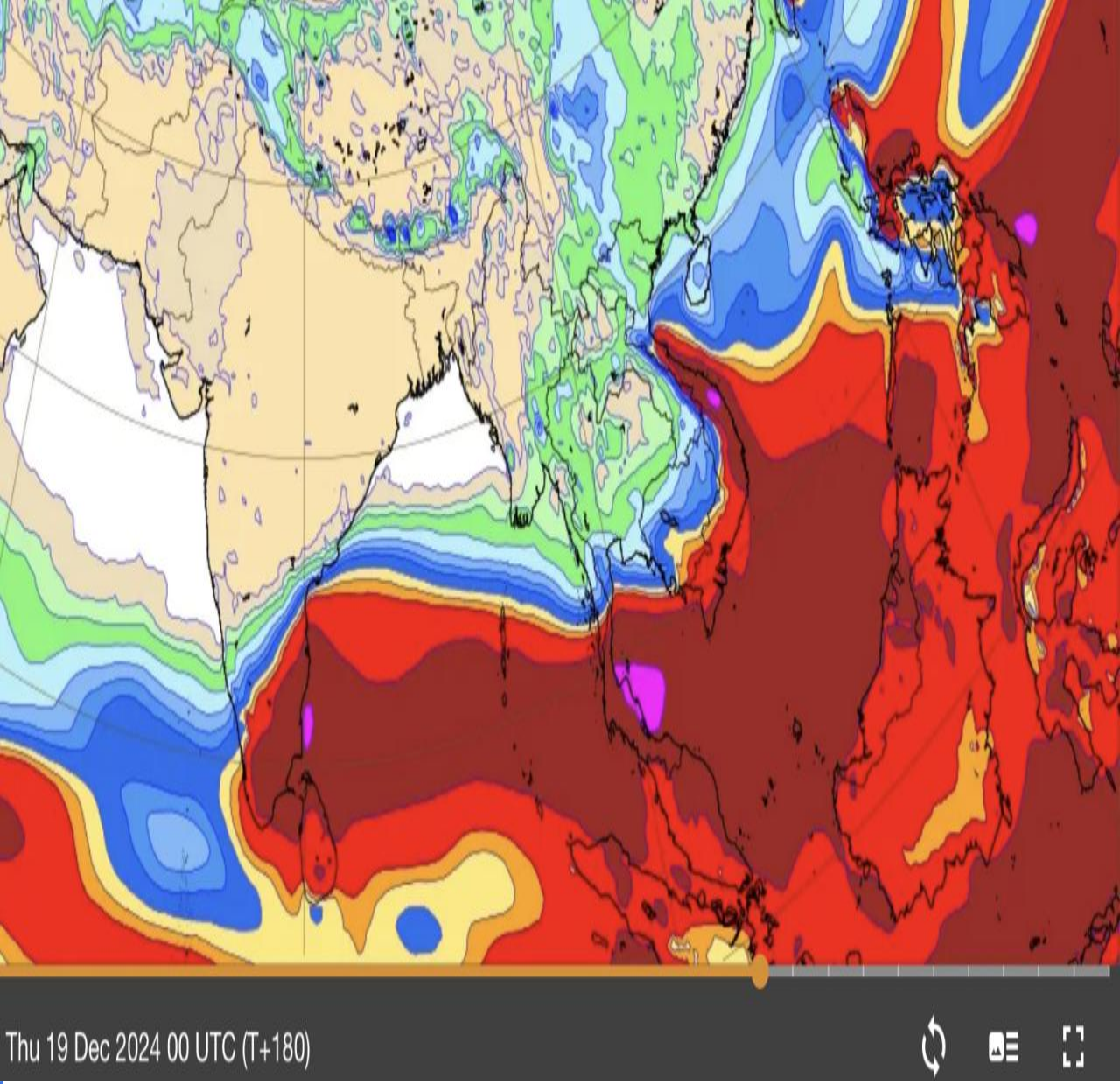
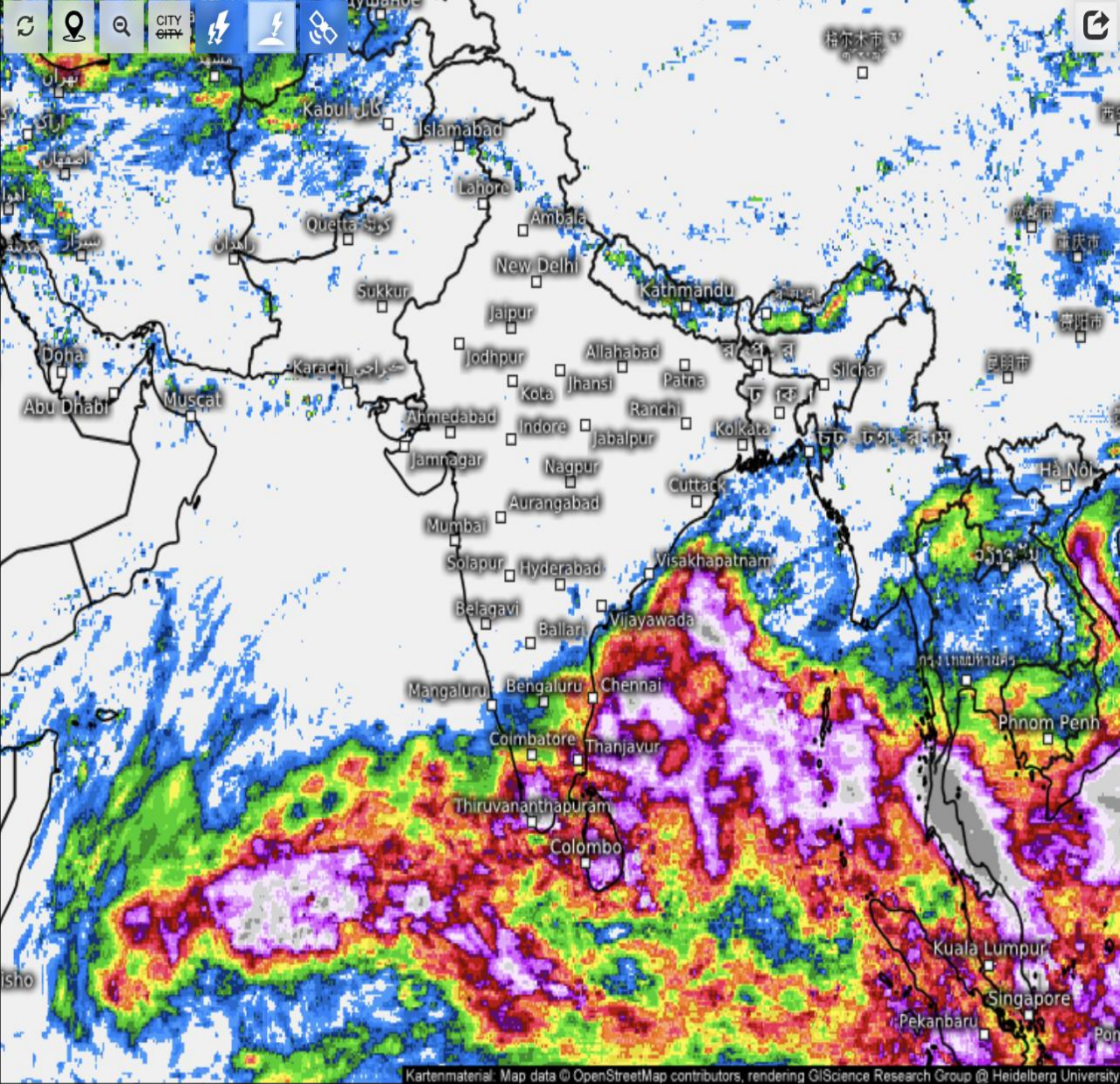


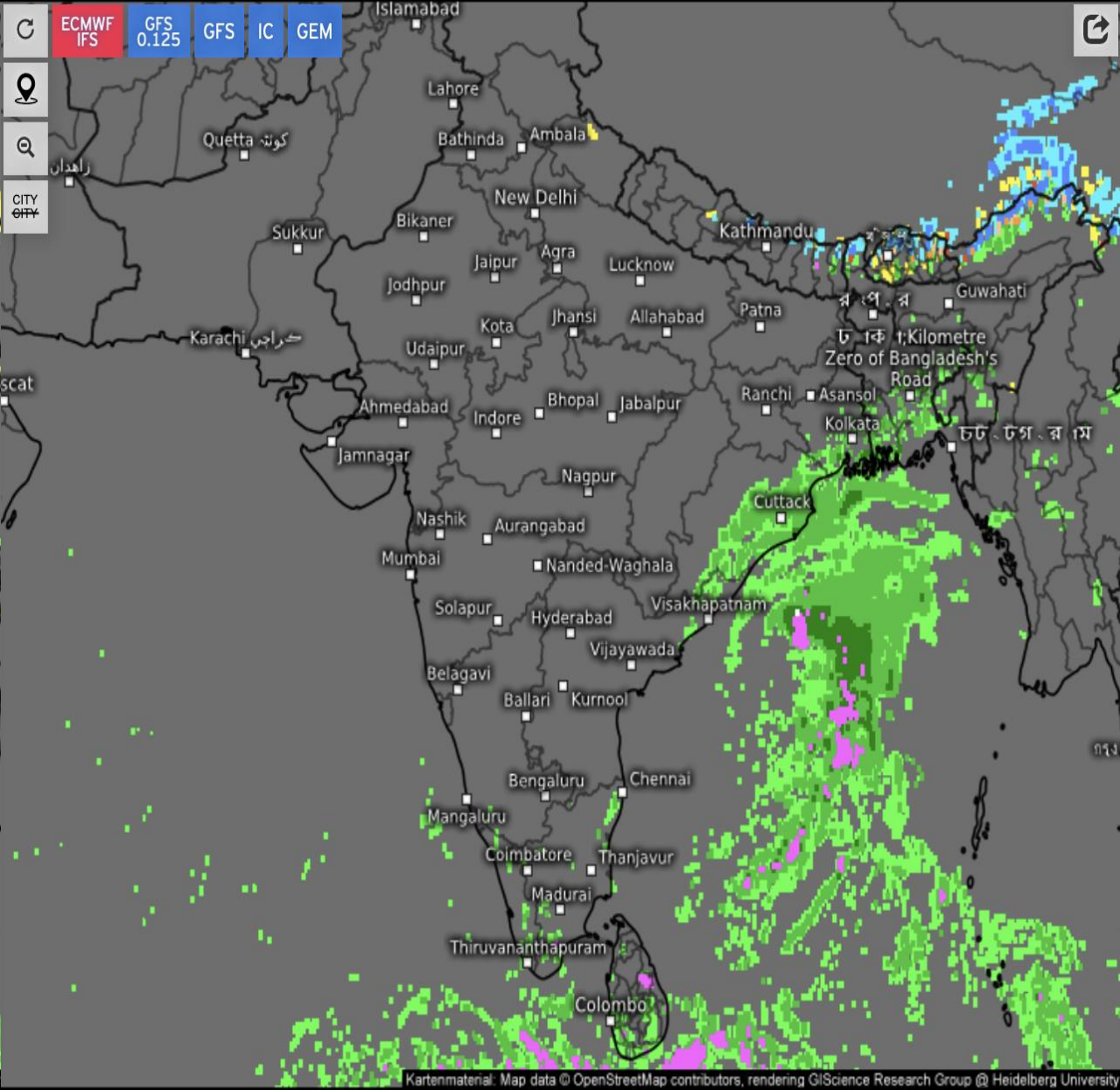
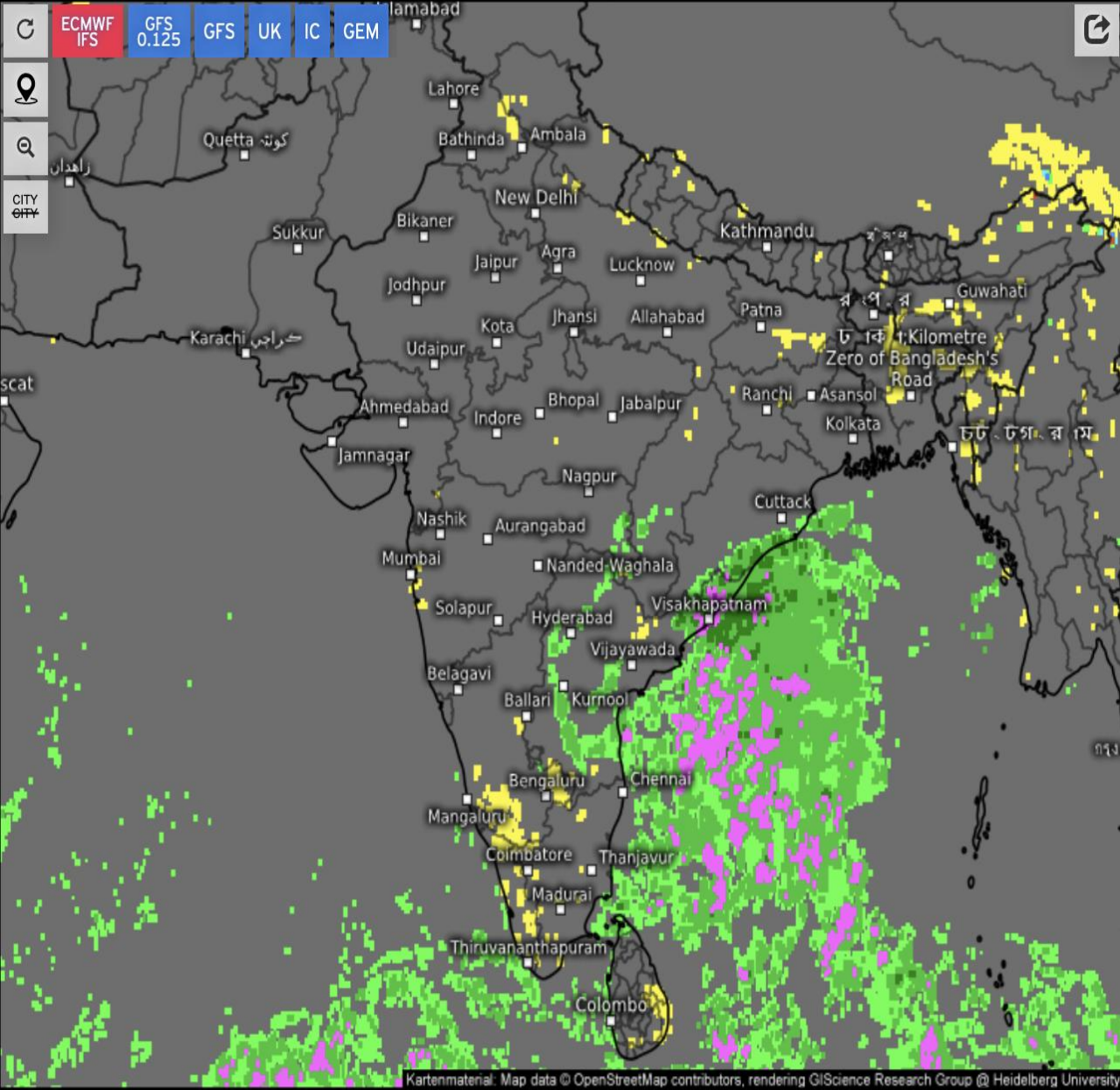
Accumulated total precipitation (mm)

From Wed 12/11/2024, 05:30pm IST
to Thu 12/19/2024, 05:30am IST







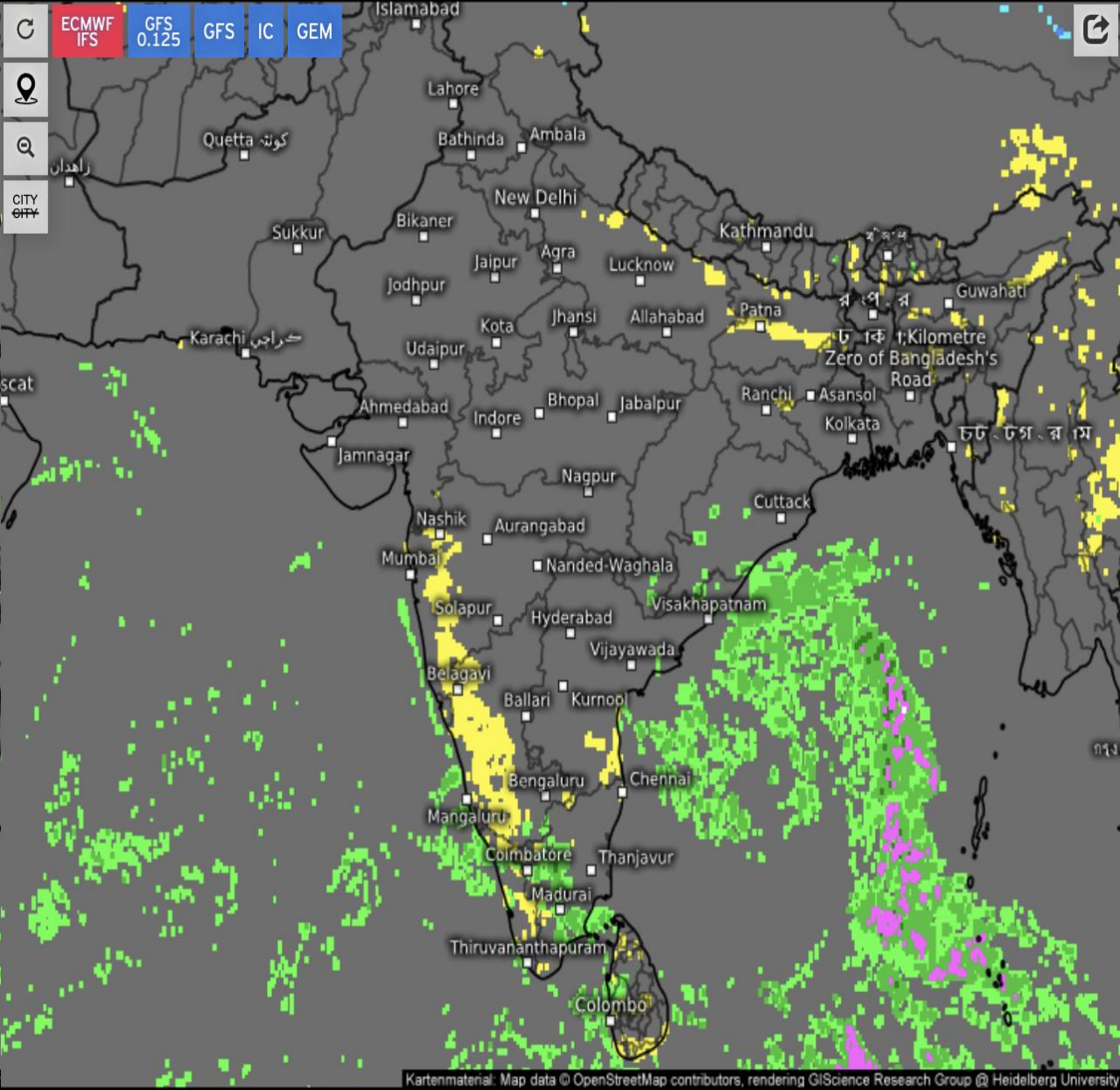
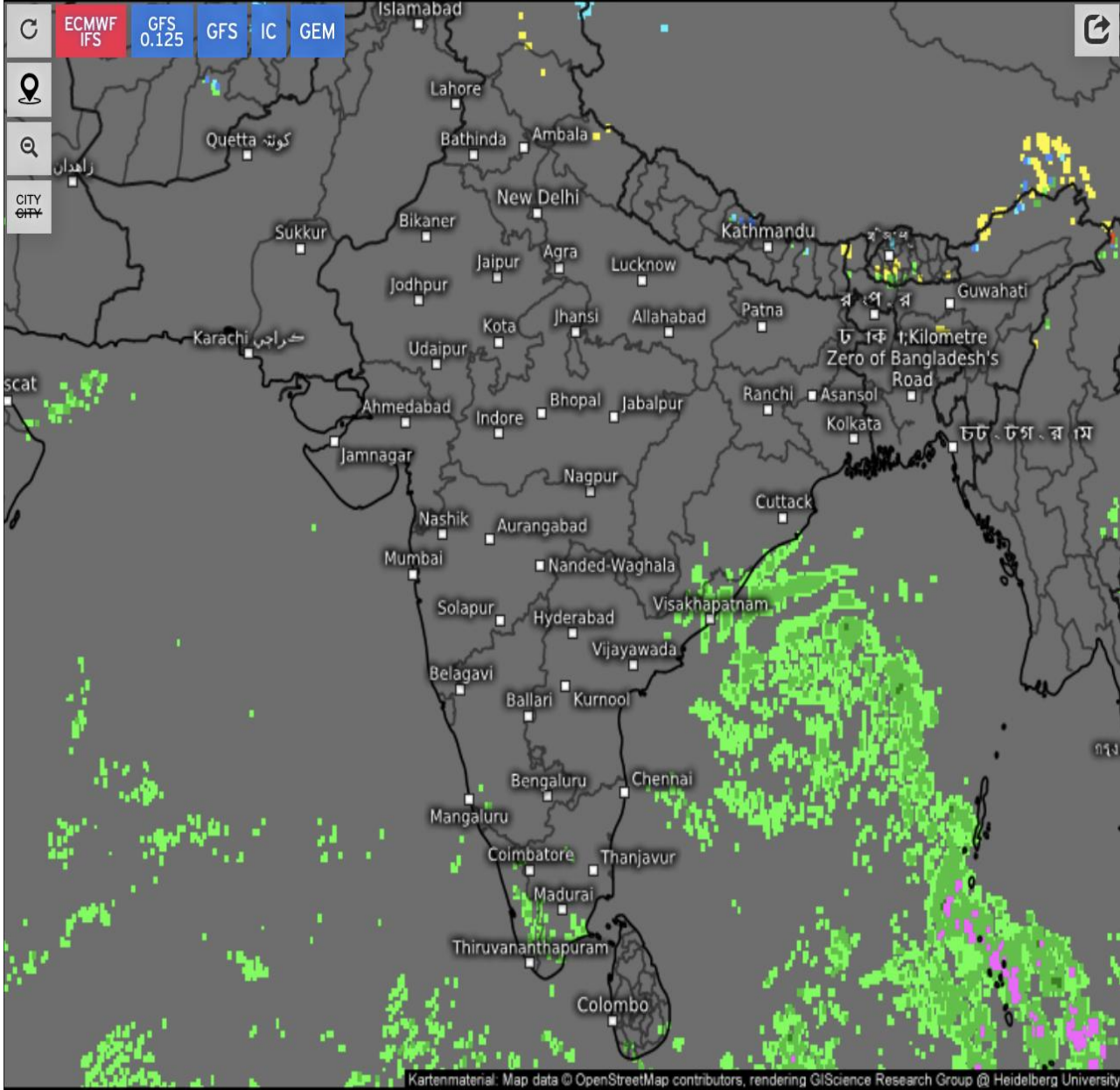


Valid for
Fri 12/20/2024, 05:30am IST

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	

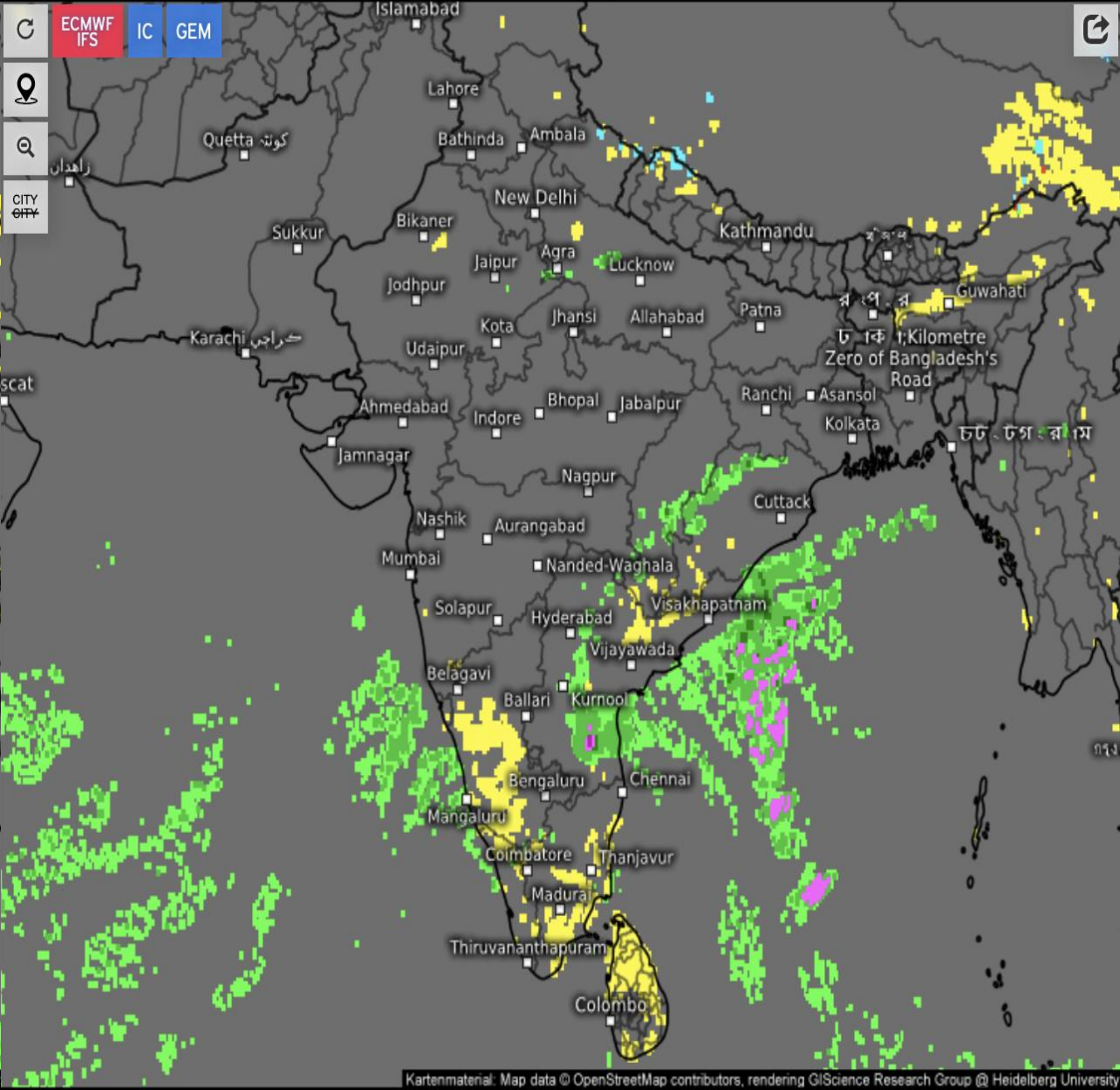
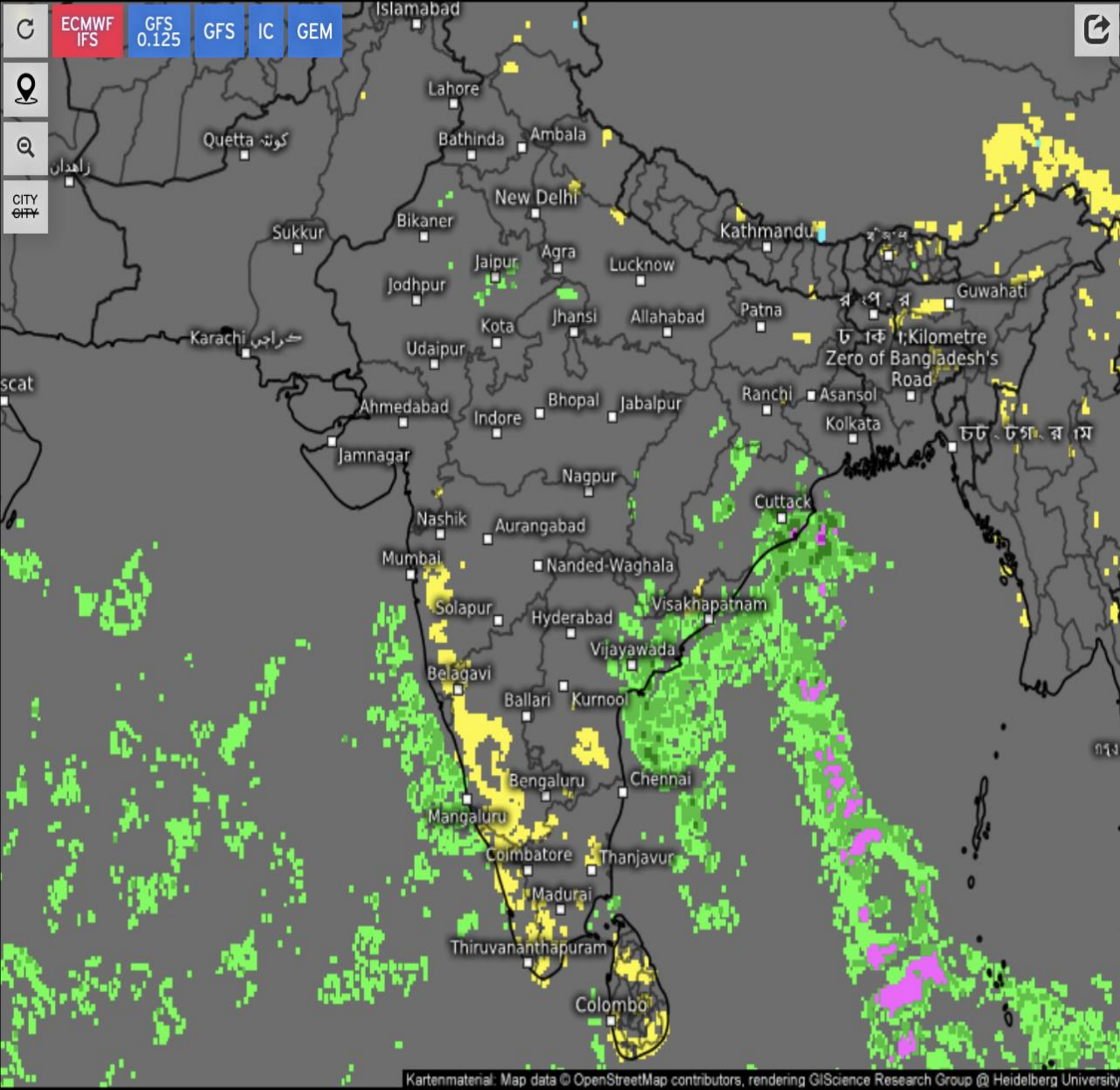
Valid for
Sat 12/21/2024, 05:30pm IST

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	



Significant Weather								Valid for Sun 12/22/2024, 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 12/23/2024, 05:30am 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

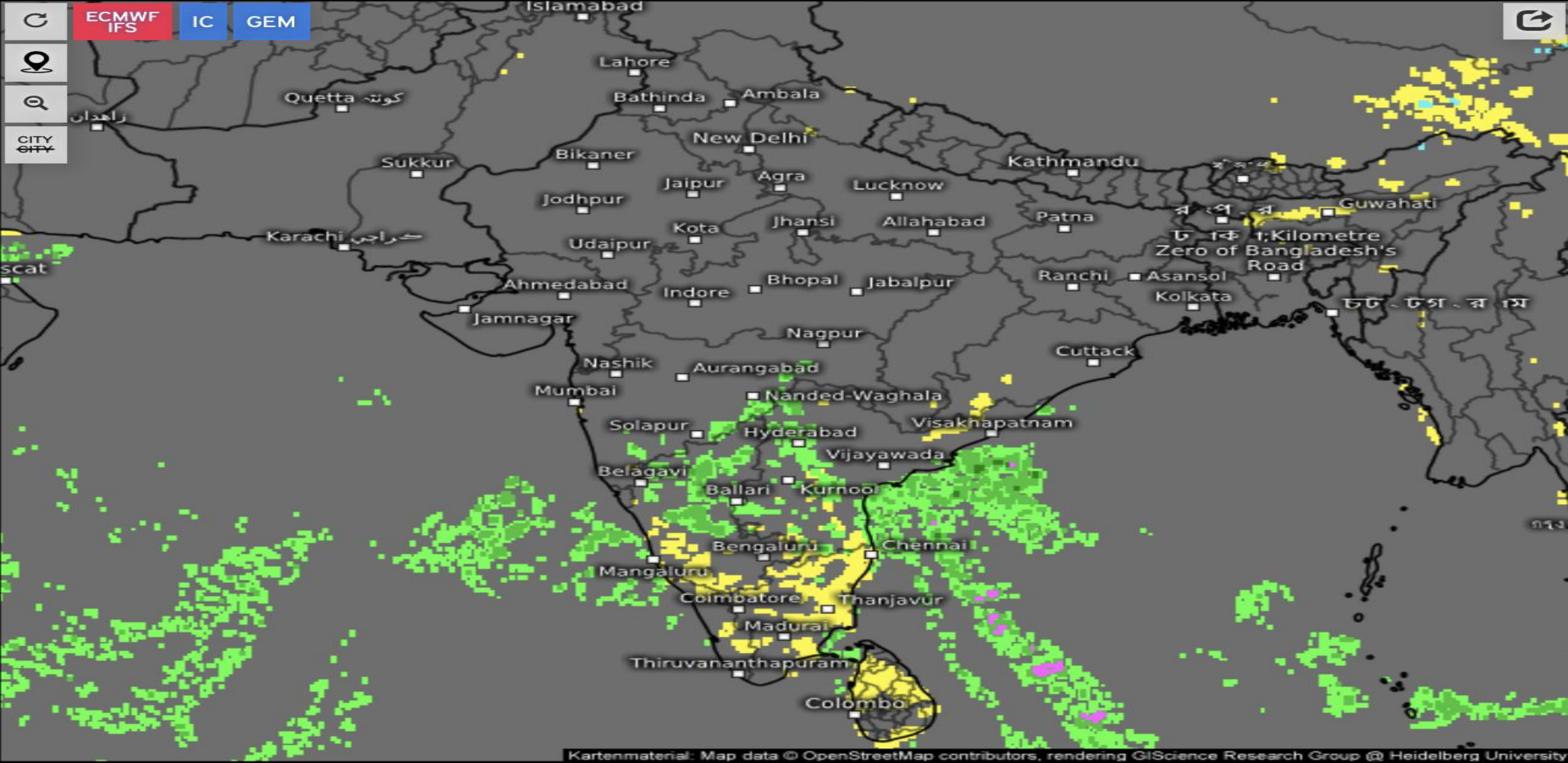
Valid for
Tue 12/24/2024, 05:30am IST

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 12/25/2024, 05:30am IST

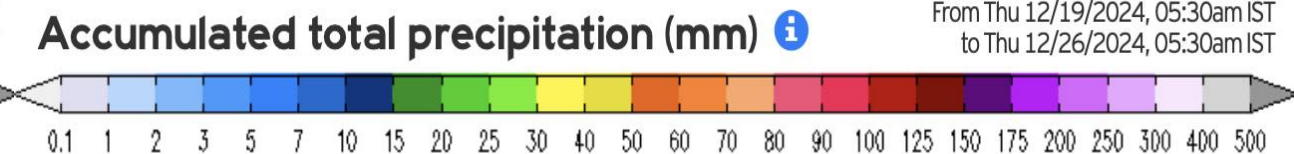
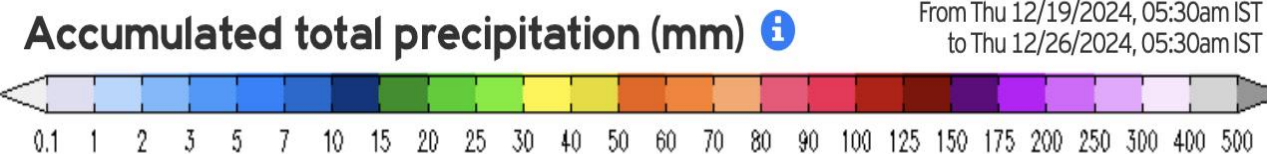
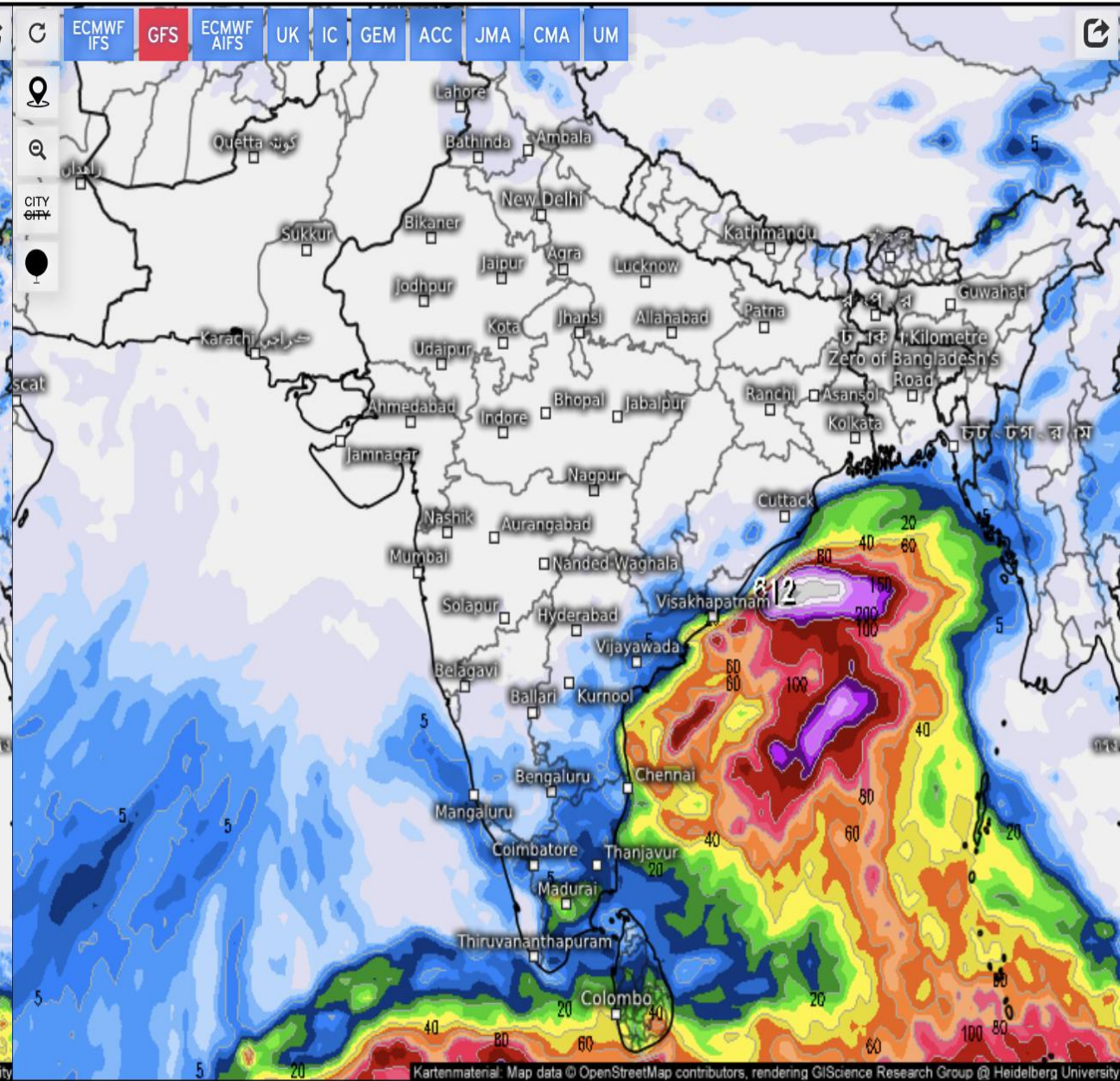
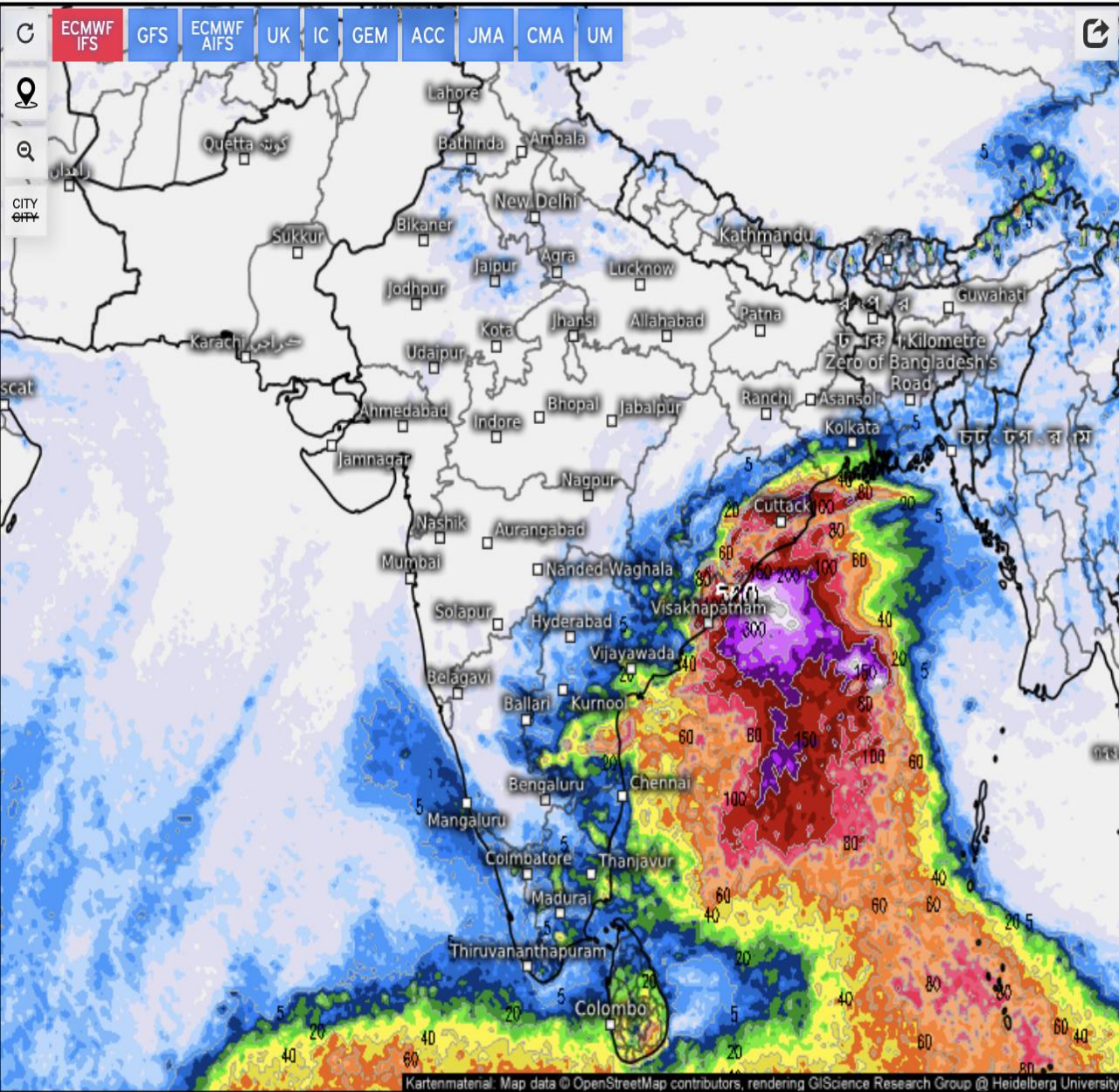
Fog	Fog freezing	Rain light	Rain moderate	Rain heavy	Thunderstorm nearby	Thunderstorm light/moderate	Thunderstorm severe
Mixed Rain/Snow light	Mixed Rain/Snow moderate/heavy	Snow light	Snow moderate	Snow heavy	Ice light	Ice moderate/heavy	

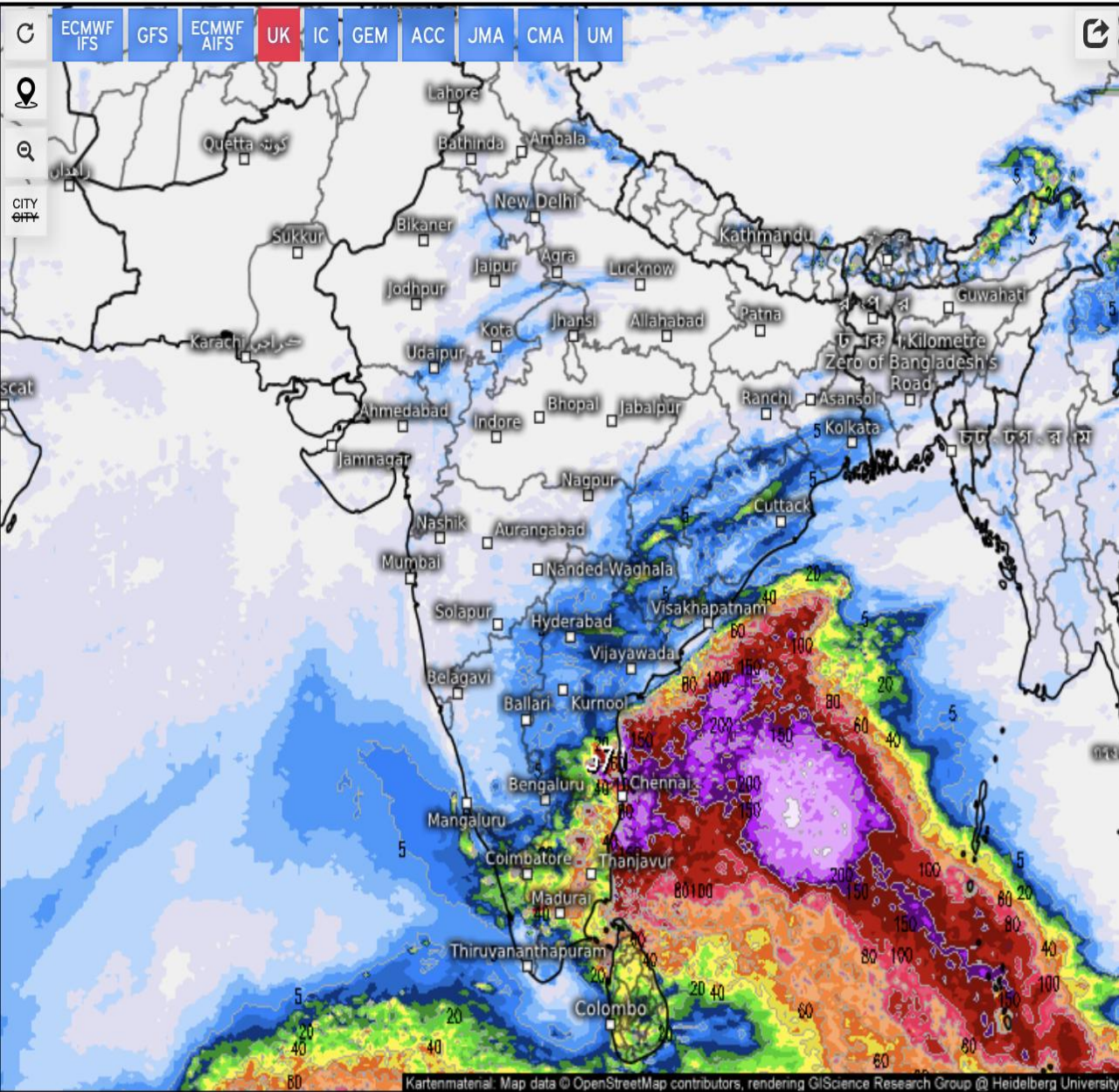


Significant Weather

Valid for
Thu 12/26/2024, 05:30am IST

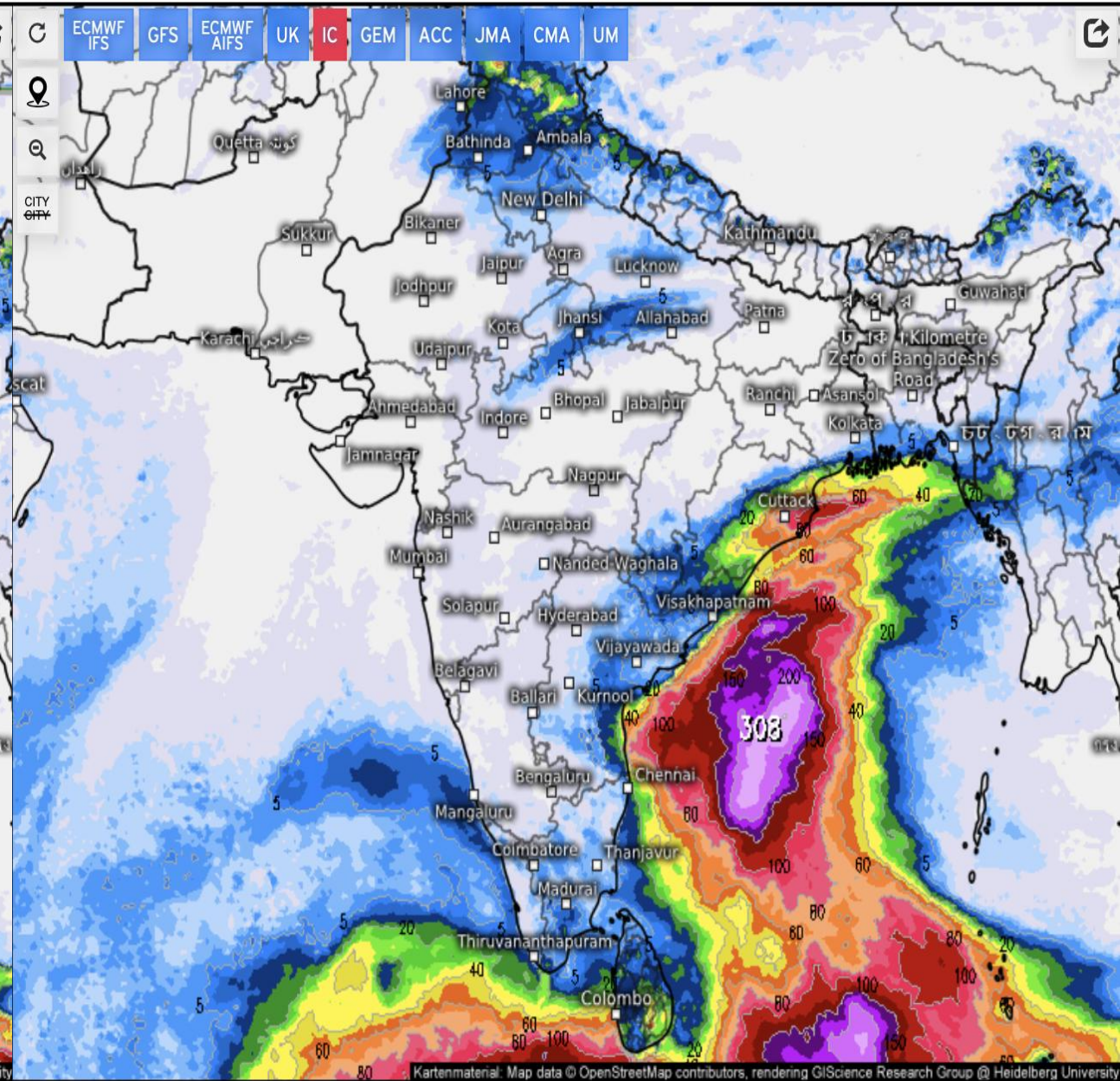
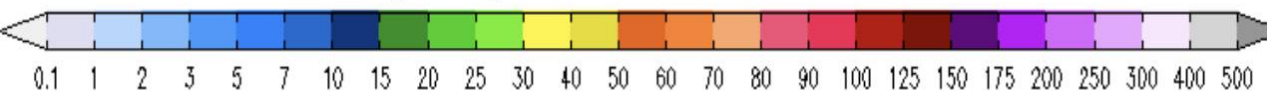
Fog	Fog freezing	Rain light	Rain moderate	Rain heavy	Thunderstorm nearby	Thunderstorm light/moderate	Thunderstorm severe
Mixed Rain/Snow light	Mixed Rain/Snow moderate/heavy	Snow light	Snow moderate	Snow heavy	Ice light	Ice moderate/heavy	





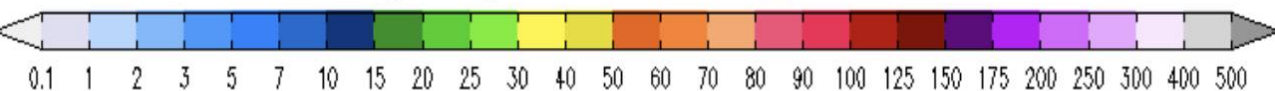
Accumulated total precipitation (mm)

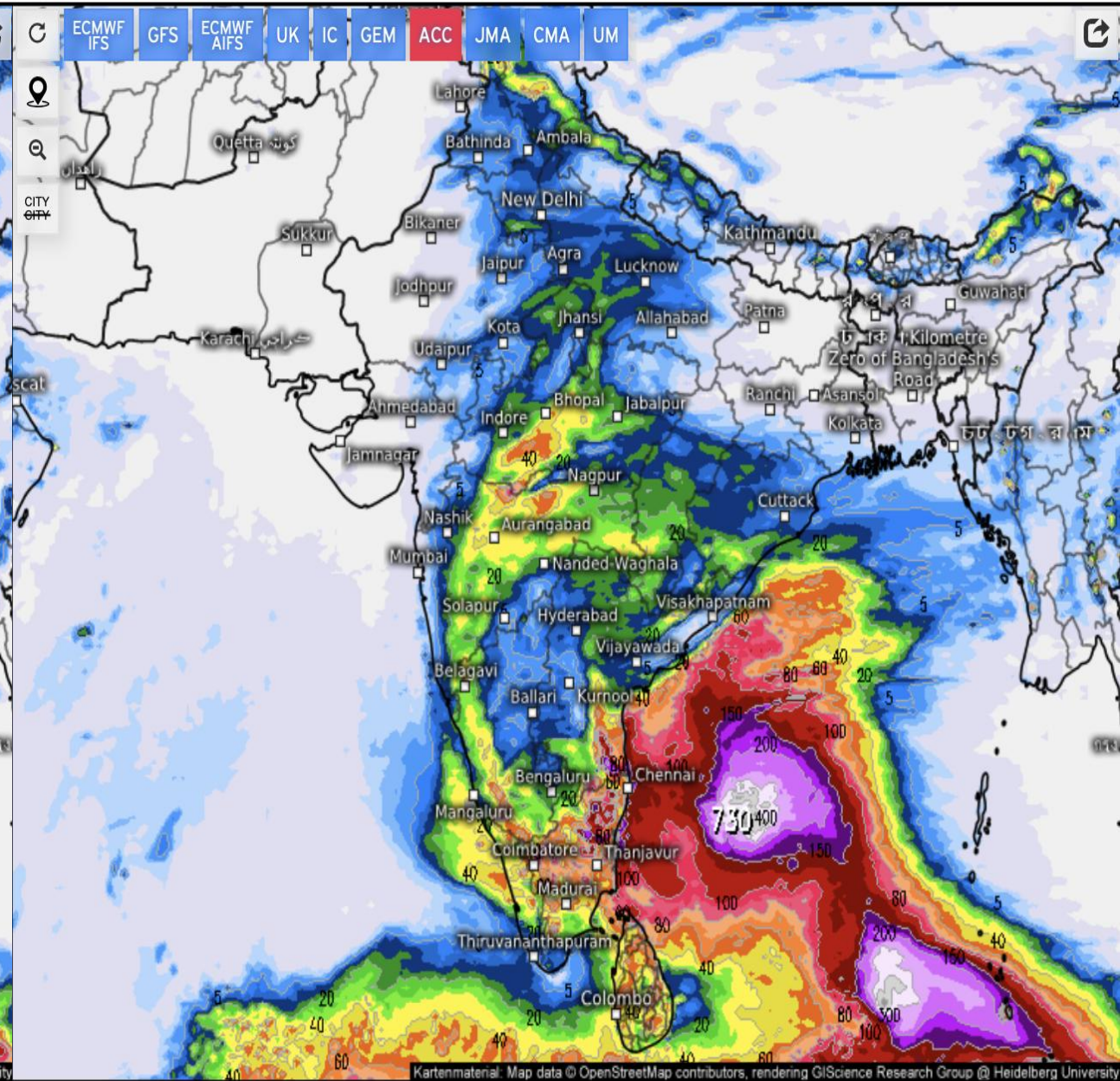
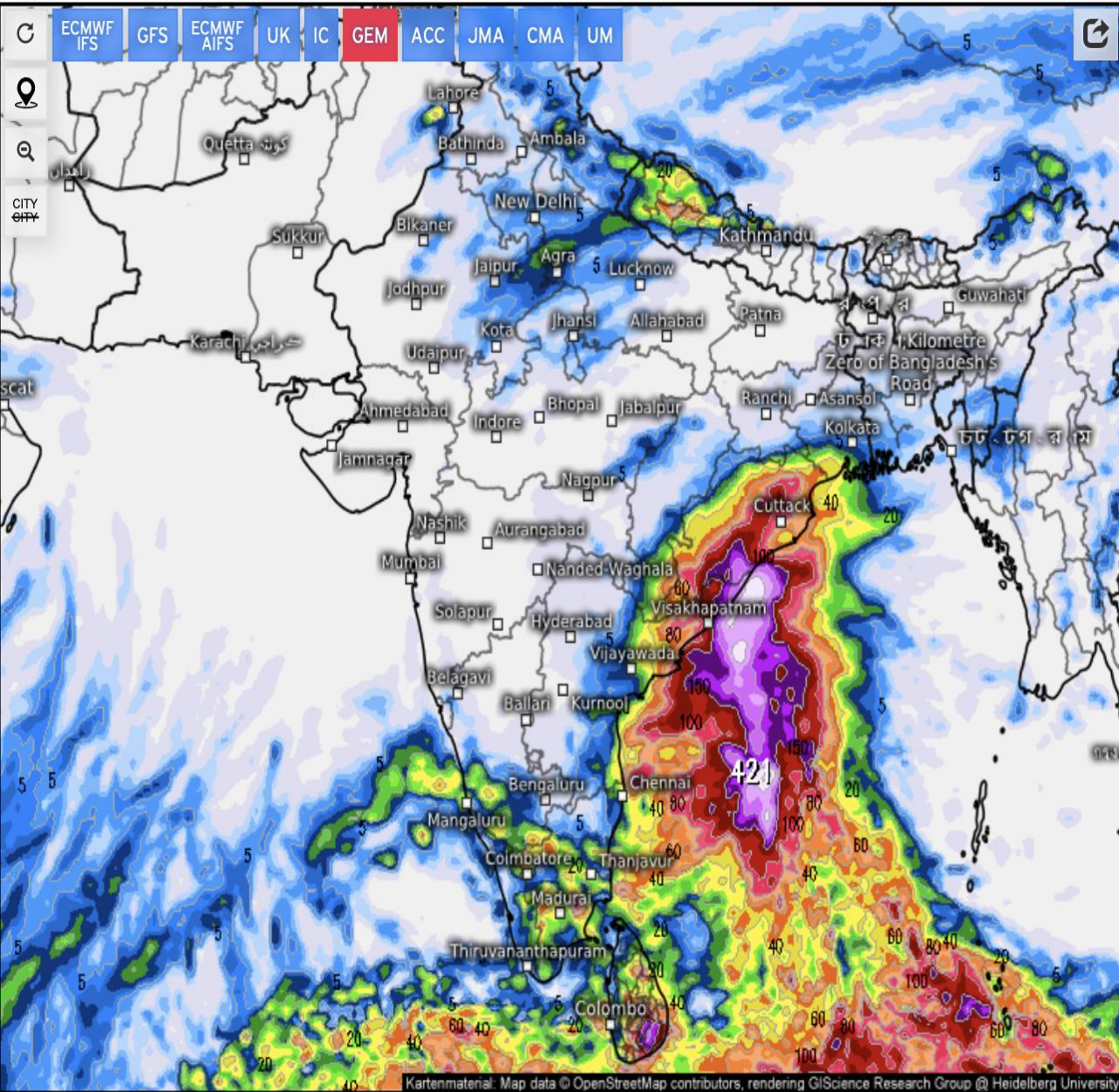
From Thu 12/19/2024, 05:30am IST
to Thu 12/26/2024, 05:30am IST

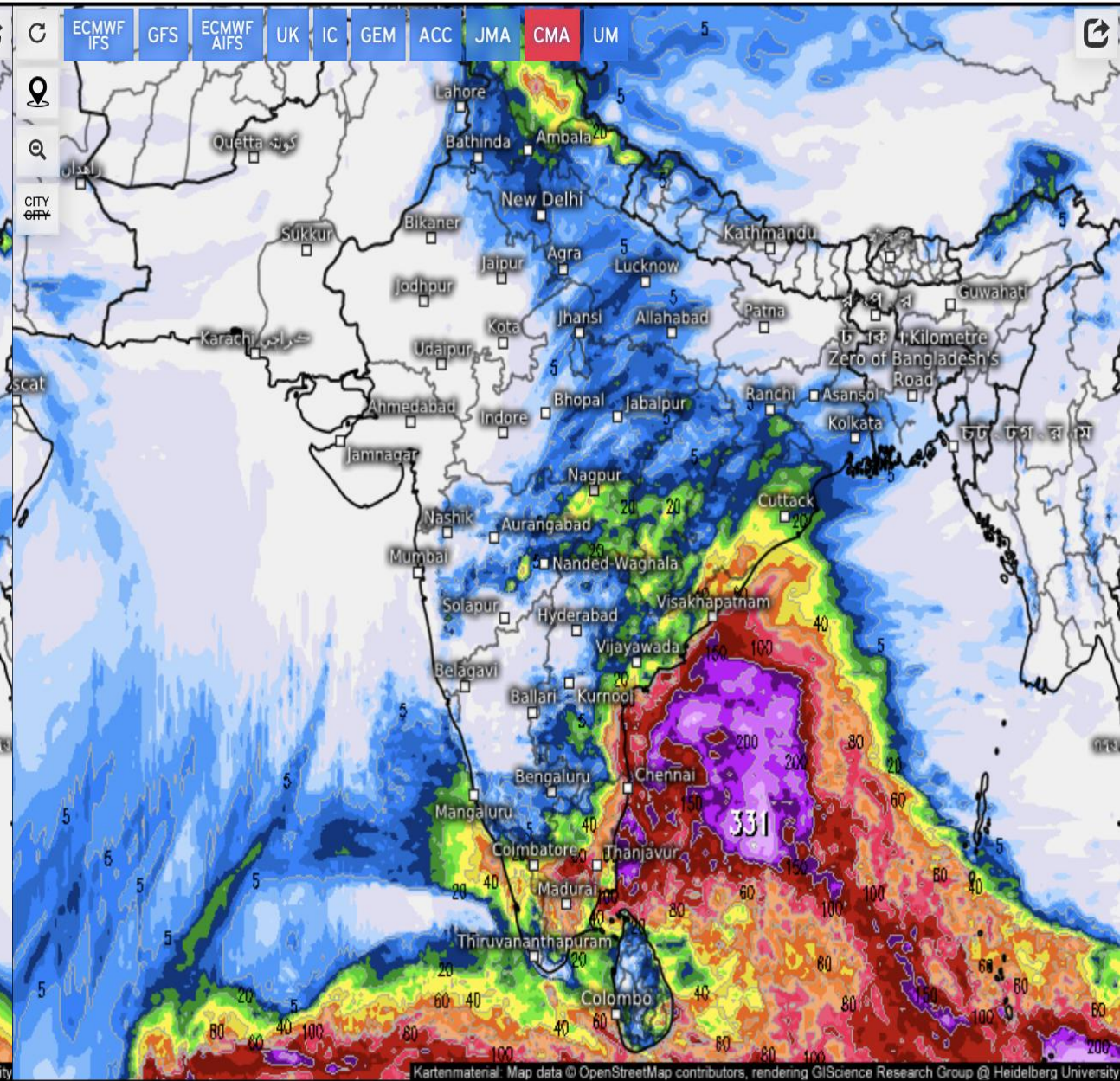
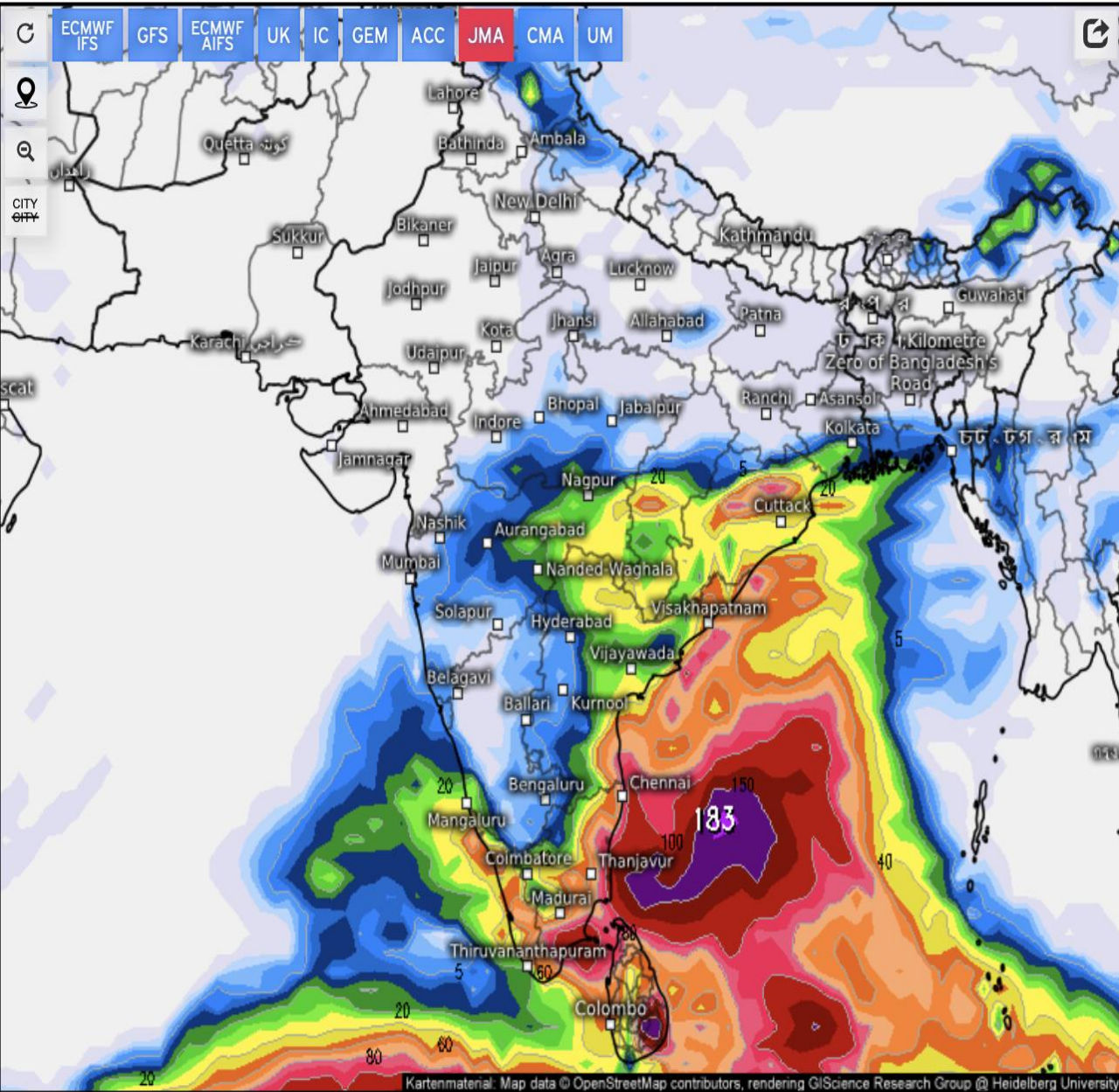


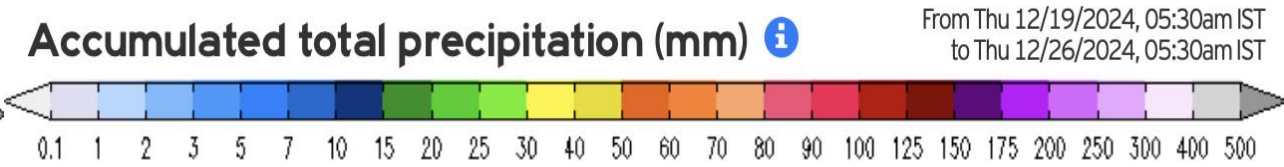
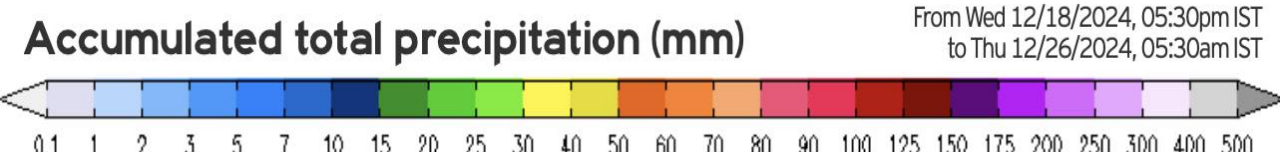
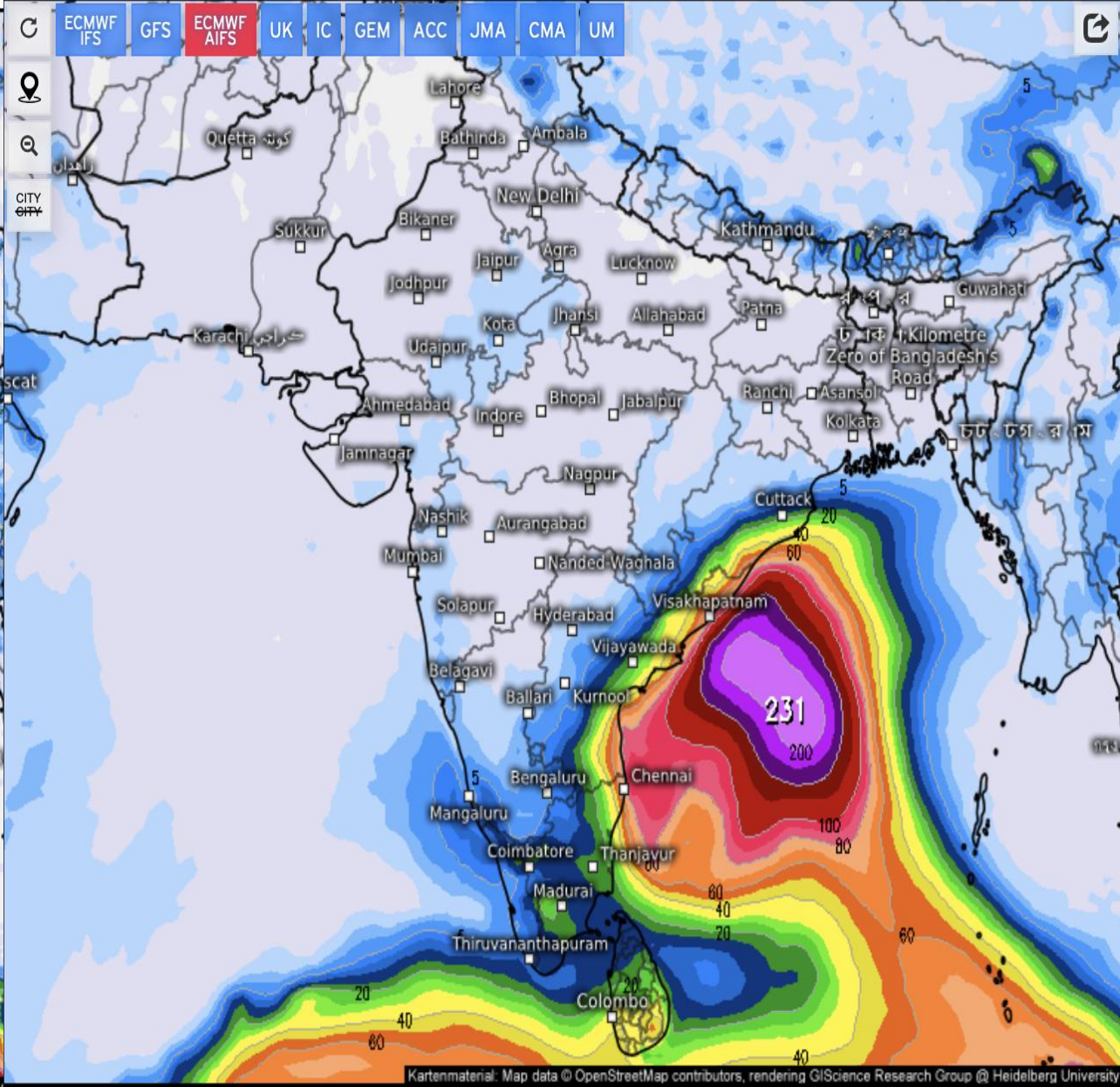
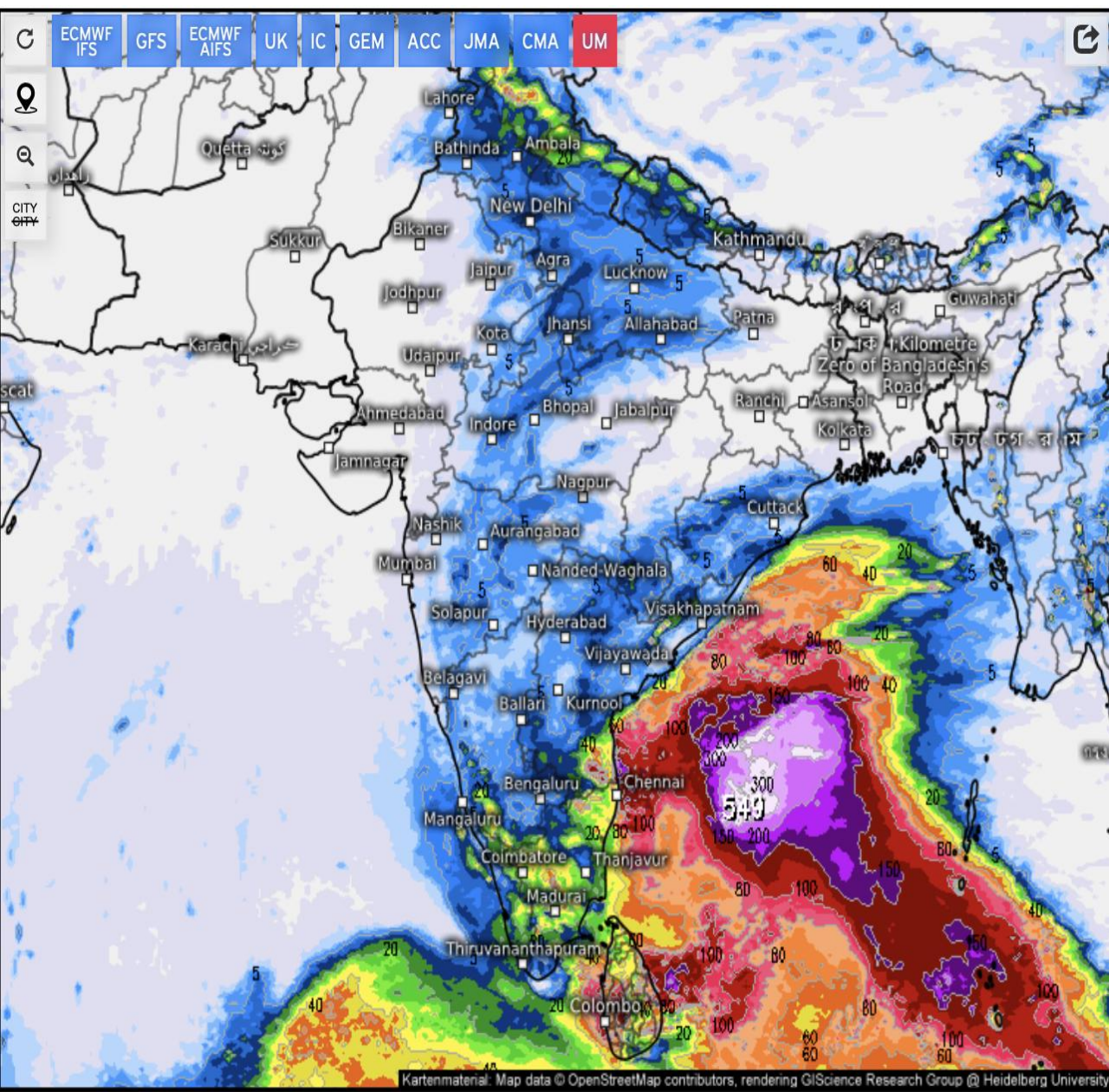
Accumulated total precipitation (mm) ⓘ

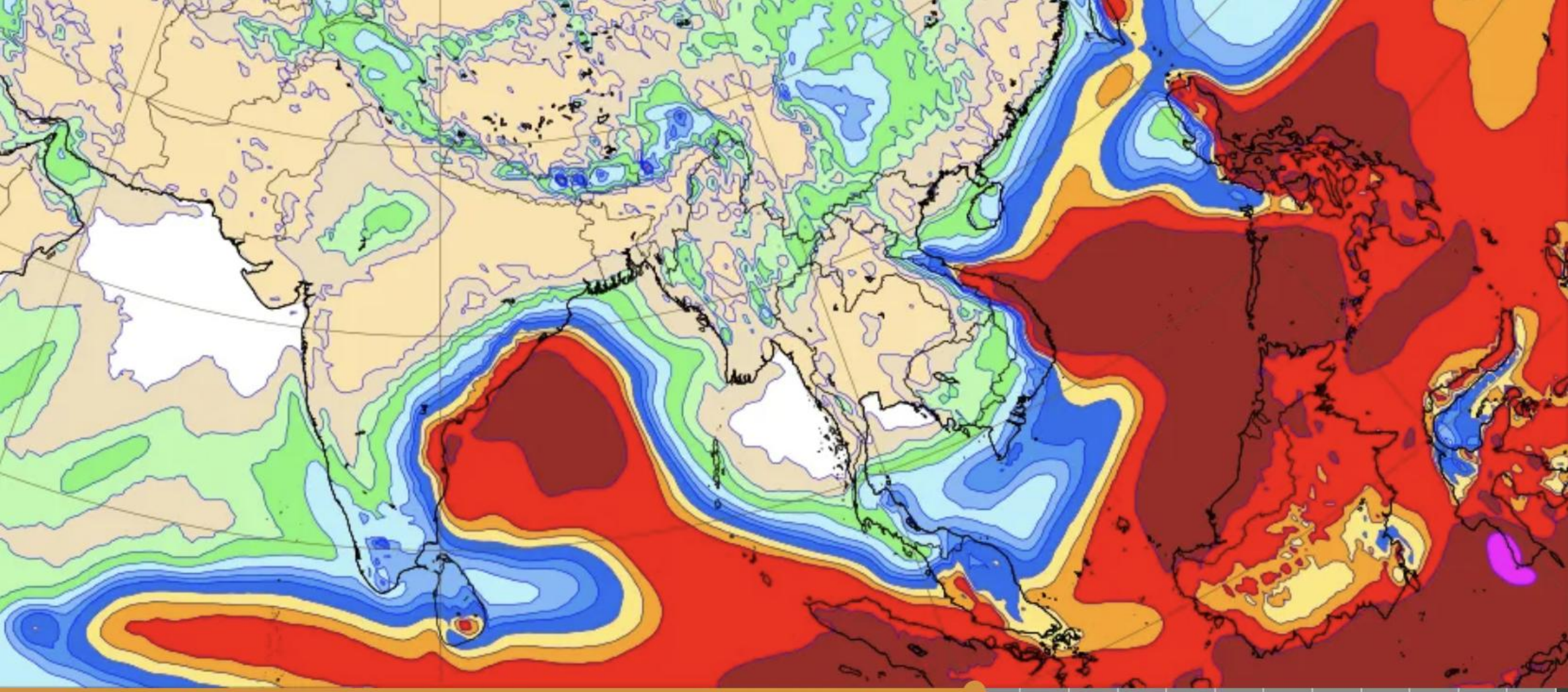
From Thu 12/19/2024, 05:30am IST
to Thu 12/26/2024, 05:30am IST







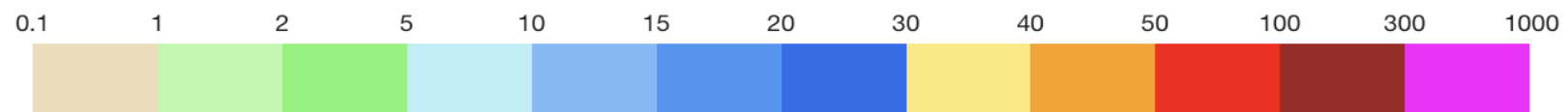


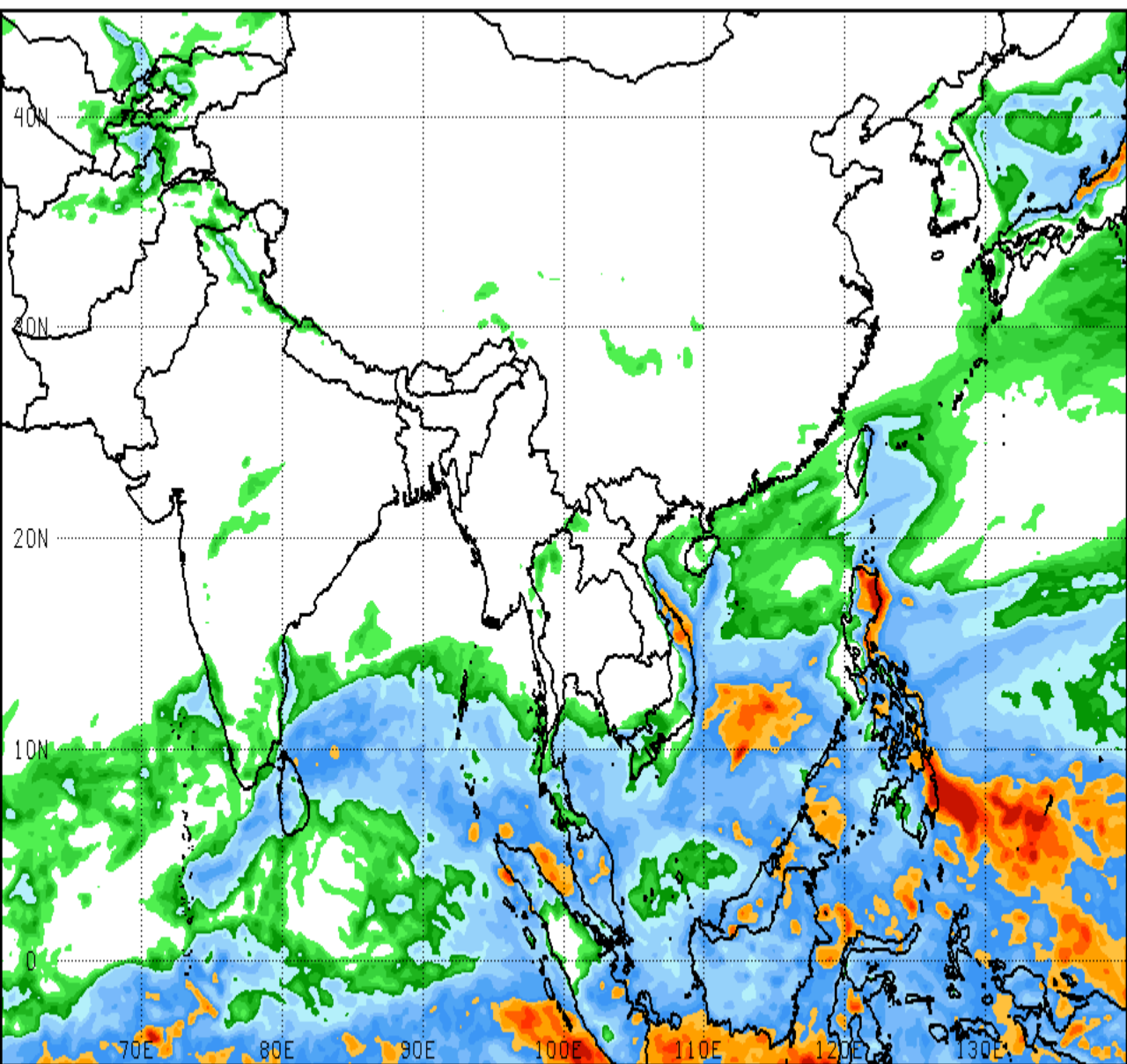


Thu 26 Dec 2024 00 UTC (T+168)

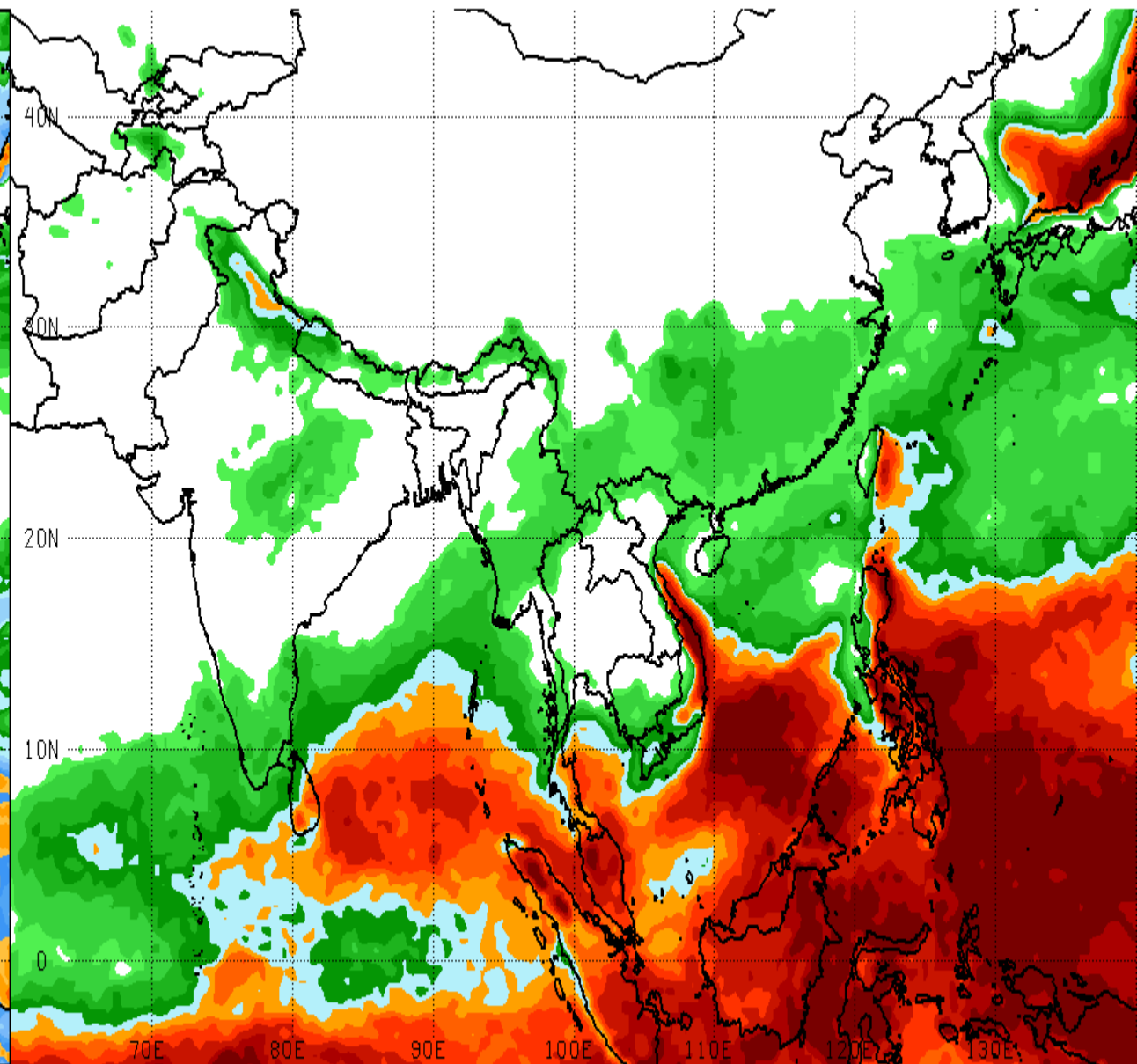


Experimental: GraphCast (Google Deepmind) ML model: Total accumulated precipitation (mm) X

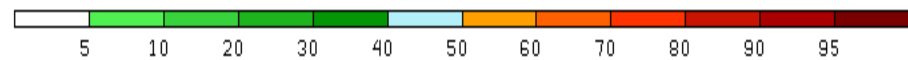


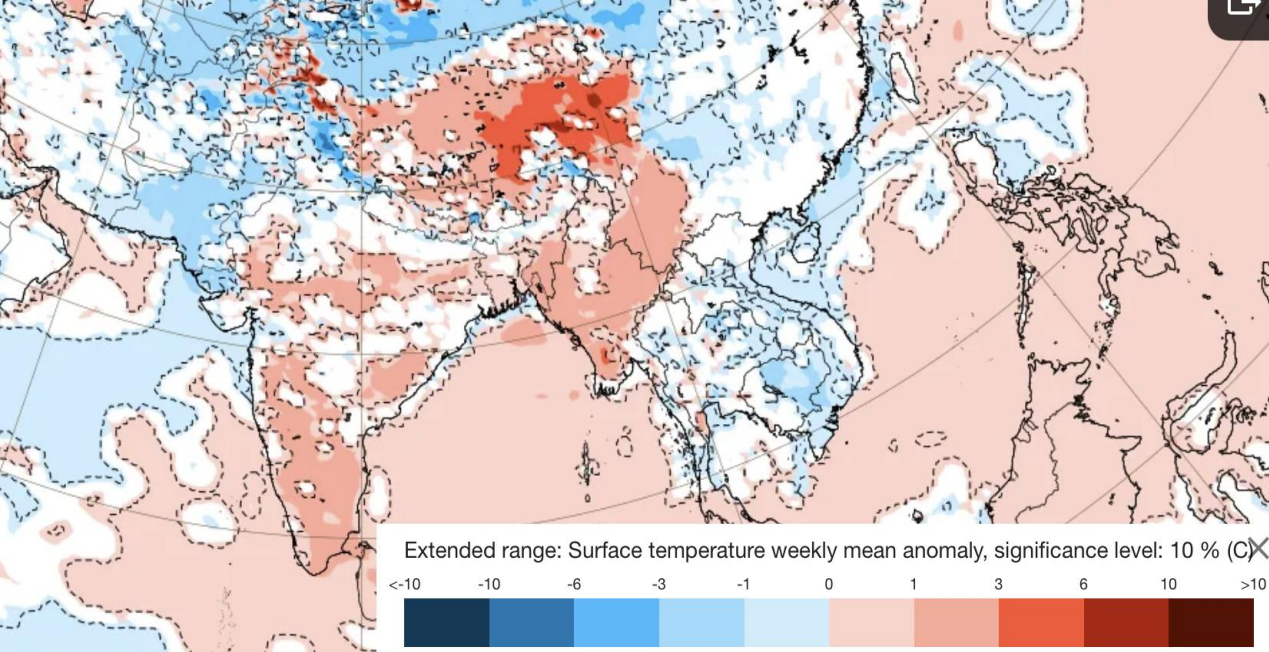


NOAA GFS 20241219 t00z cycle FCST week2 Total Precip (mm) VALID 2025010200Z

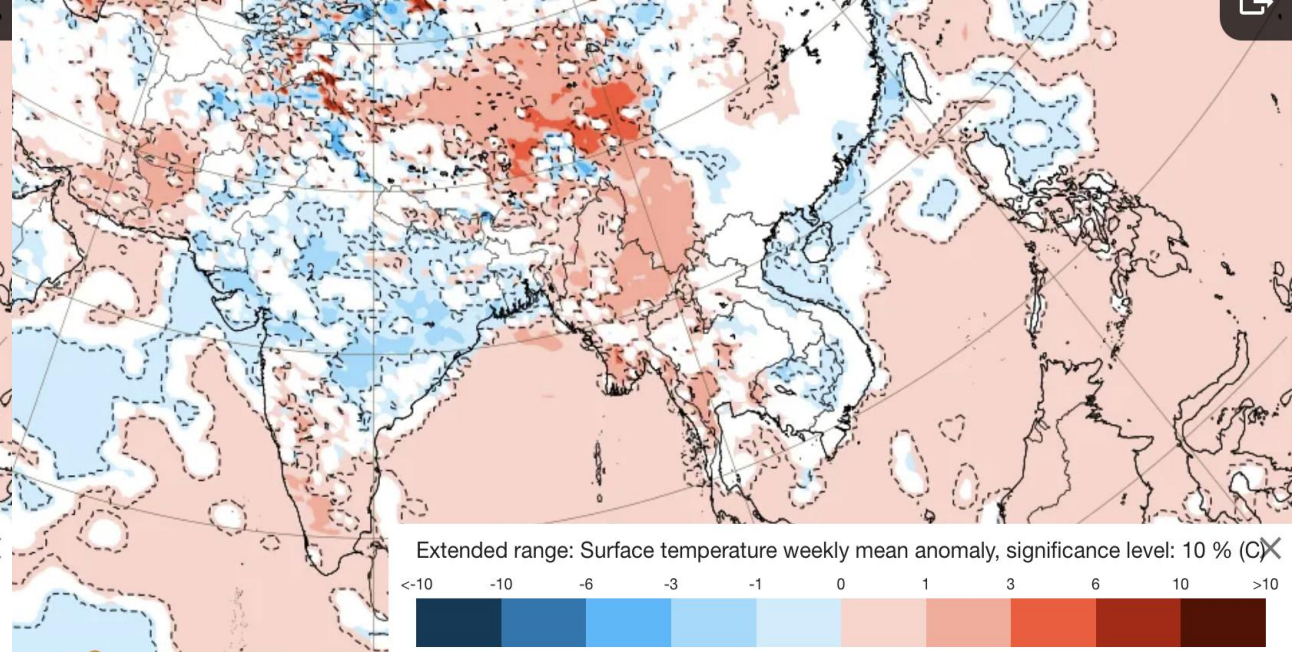


NOAA GFS 20241219 00zCYC FCST Probability of Week2 Precip > 25mm VALID 20250102/0000V336

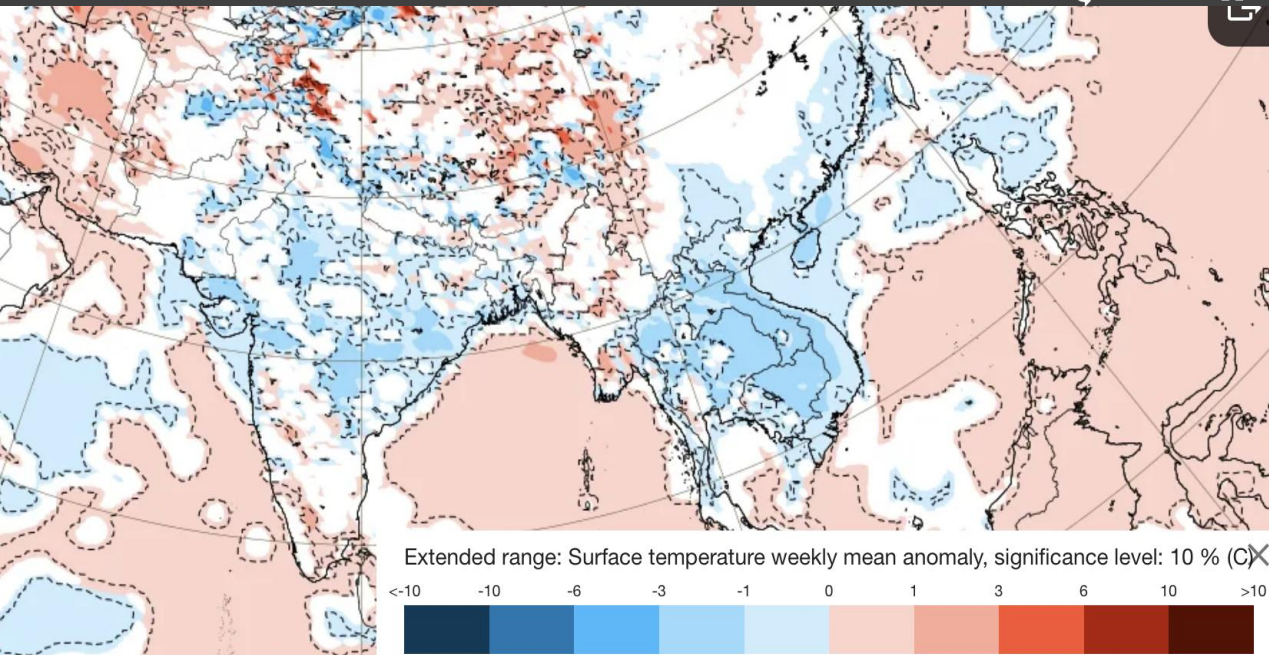




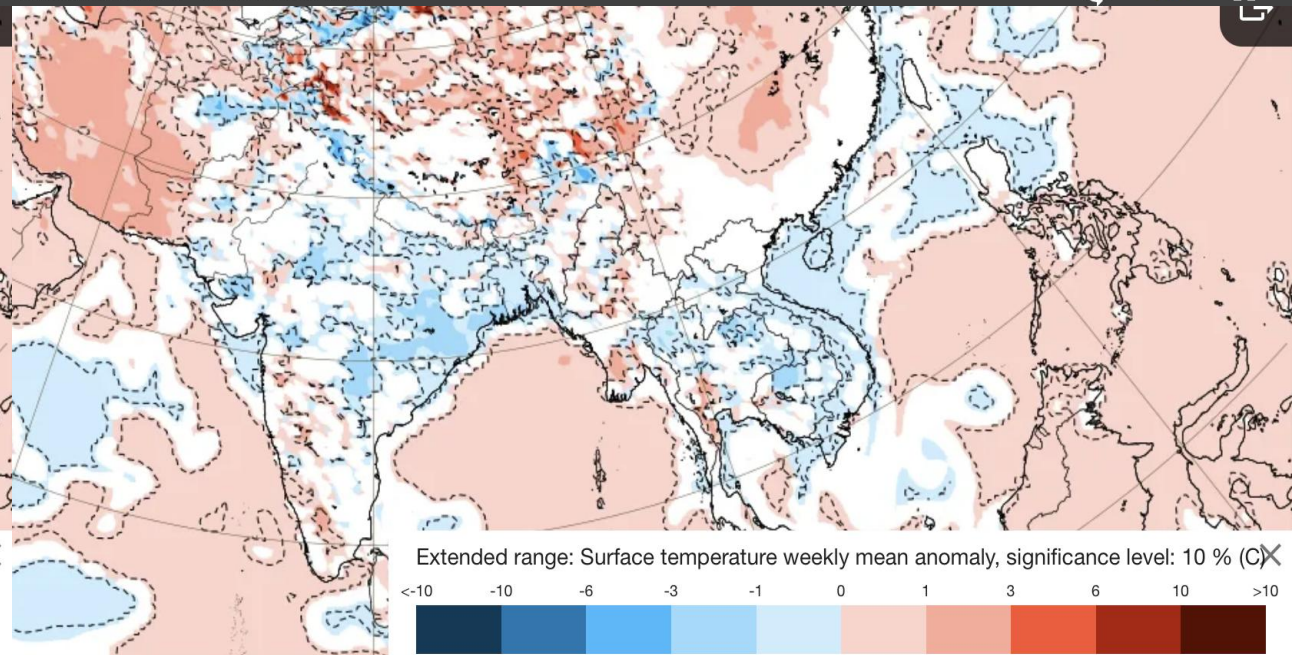
Mon 23 Dec 2024 - Mon 30 Dec 2024



Mon 30 Dec 2024 - Mon 06 Jan 2025



Mon 06 Jan 2025 - Mon 13 Jan 2025



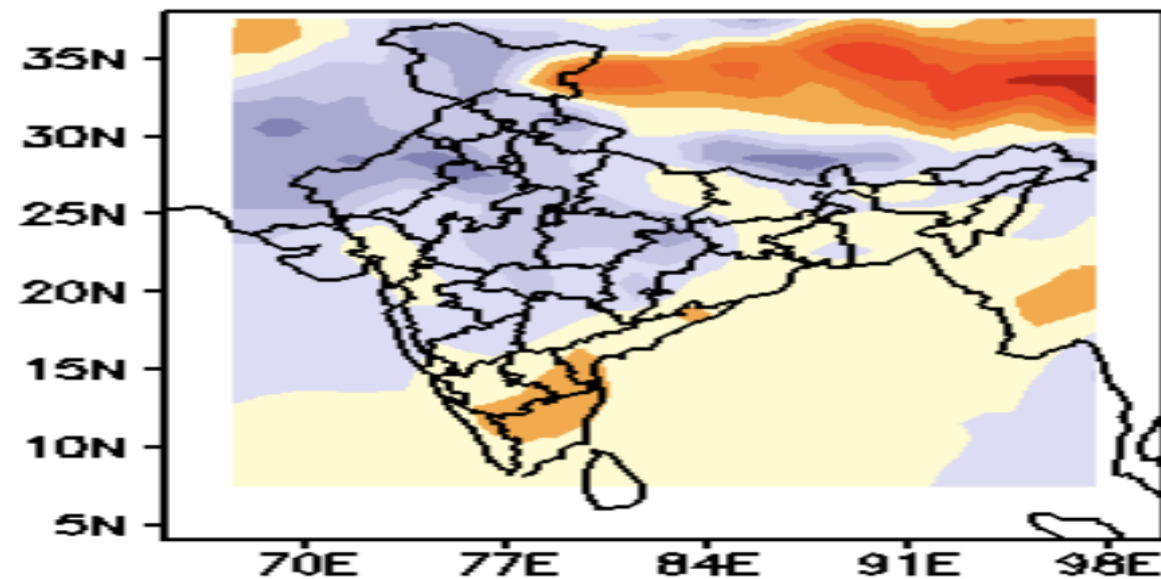
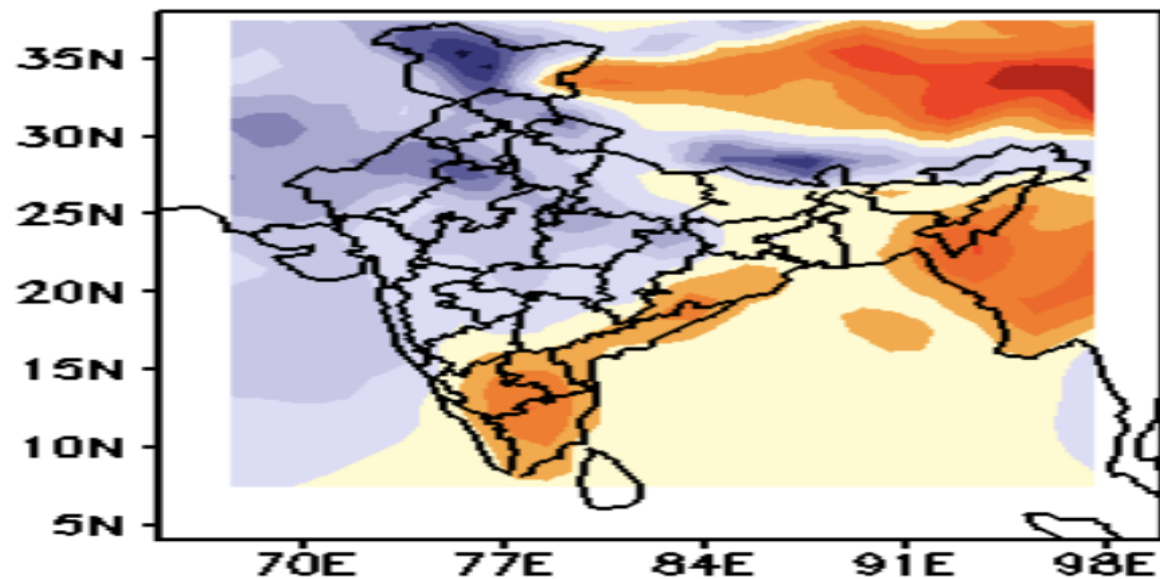
Mon 13 Jan 2025 - Mon 20 Jan 2025



MME forecast Tmin anomaly (Deg C)

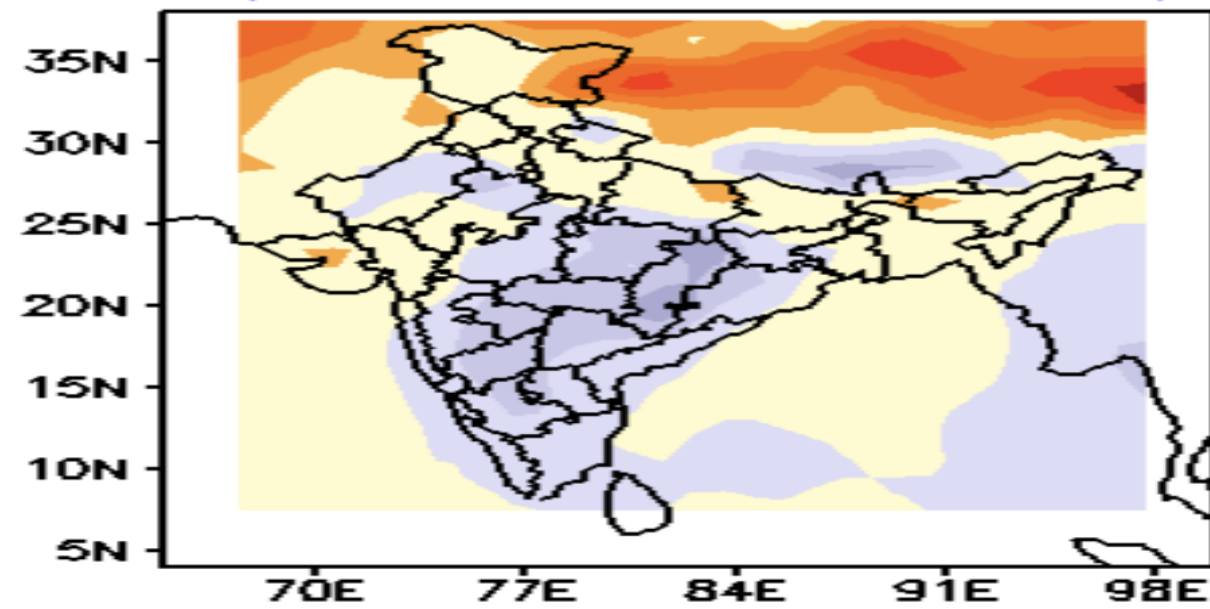
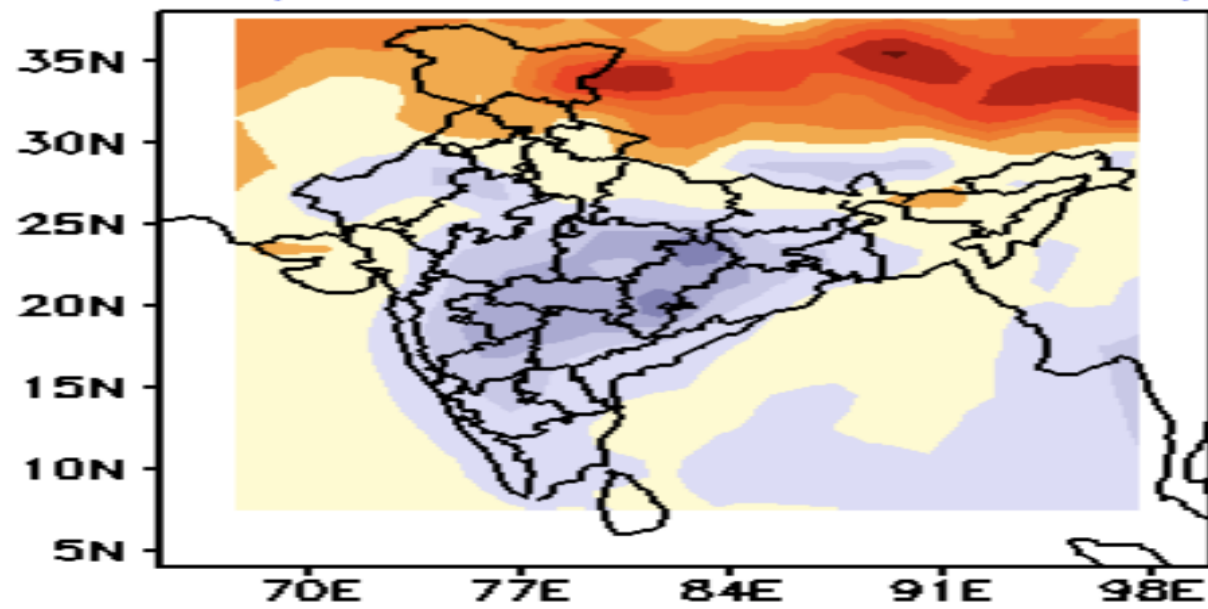
(Week1: 20Dec-26Dec)

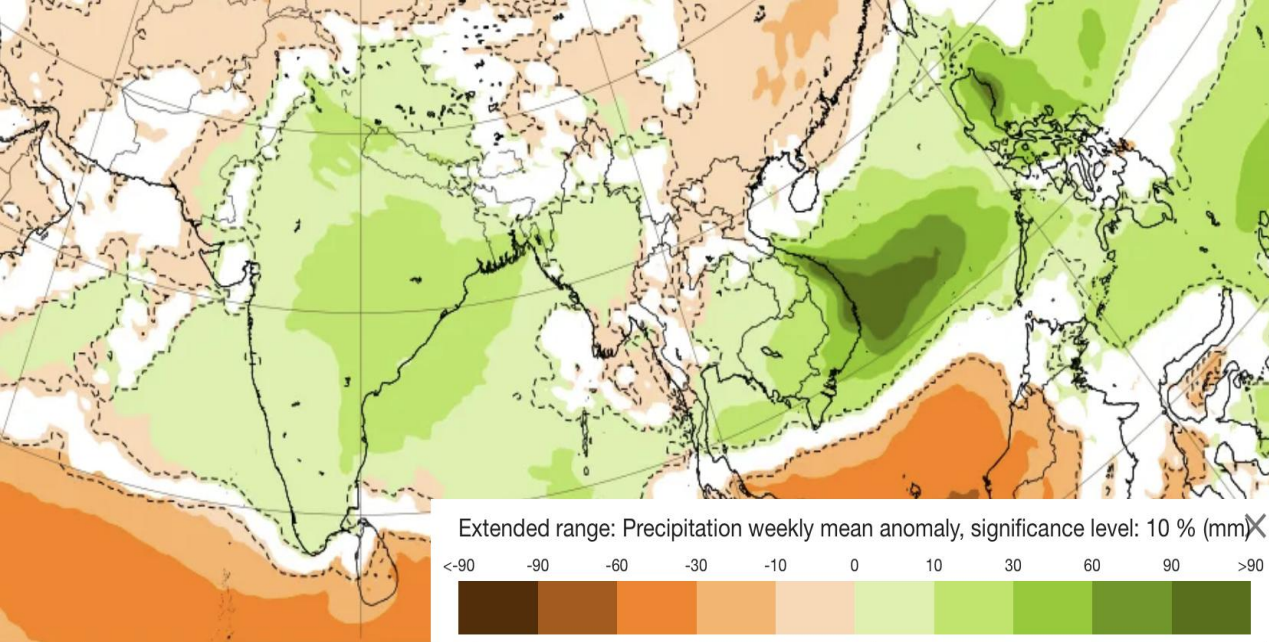
(Week2: 27Dec-02Jan)



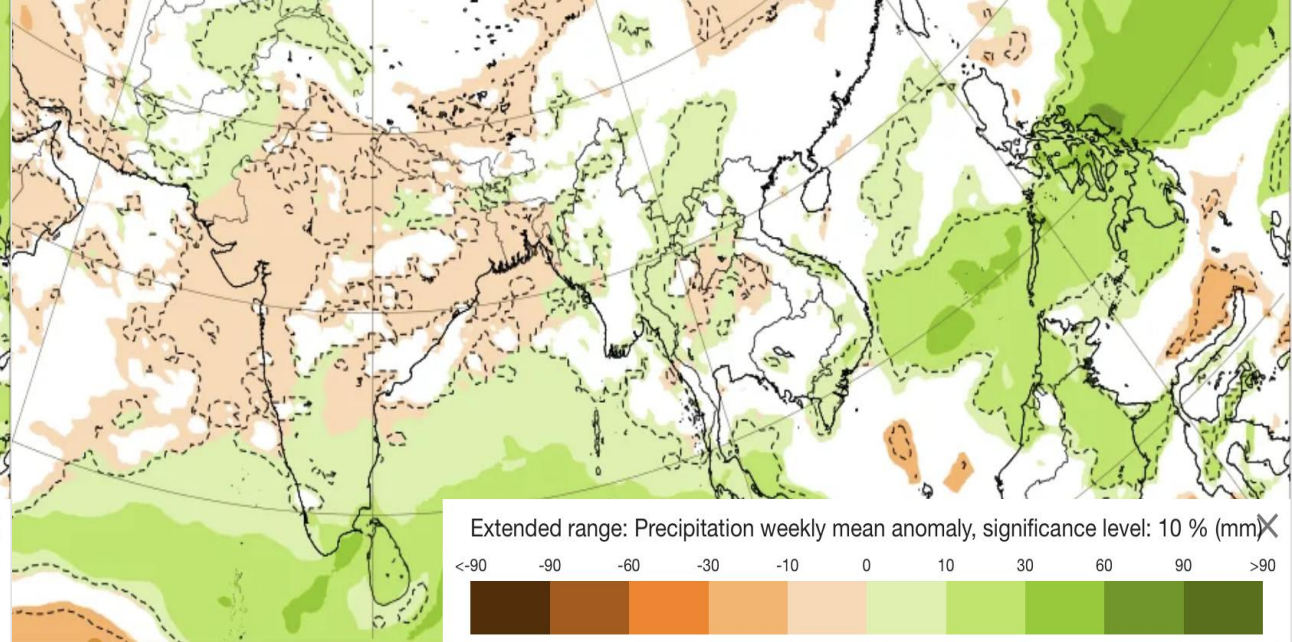
(Week3: 03Jan-09Jan)

(Week4: 10Jan-16Jan)

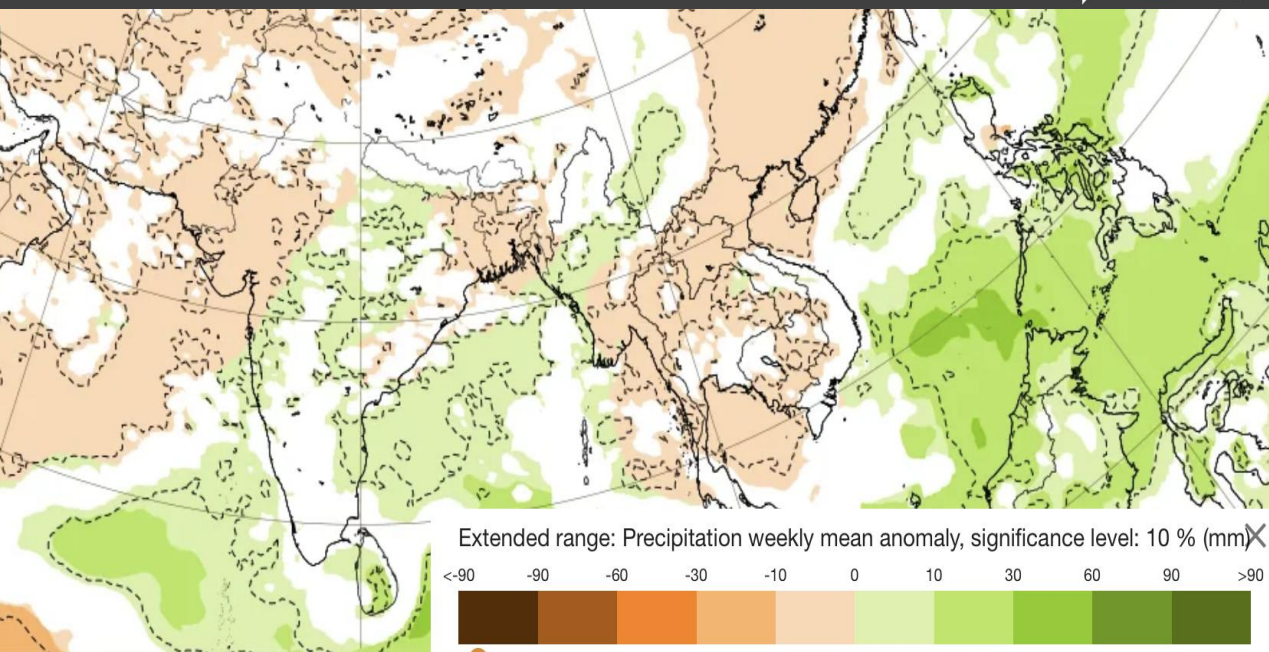




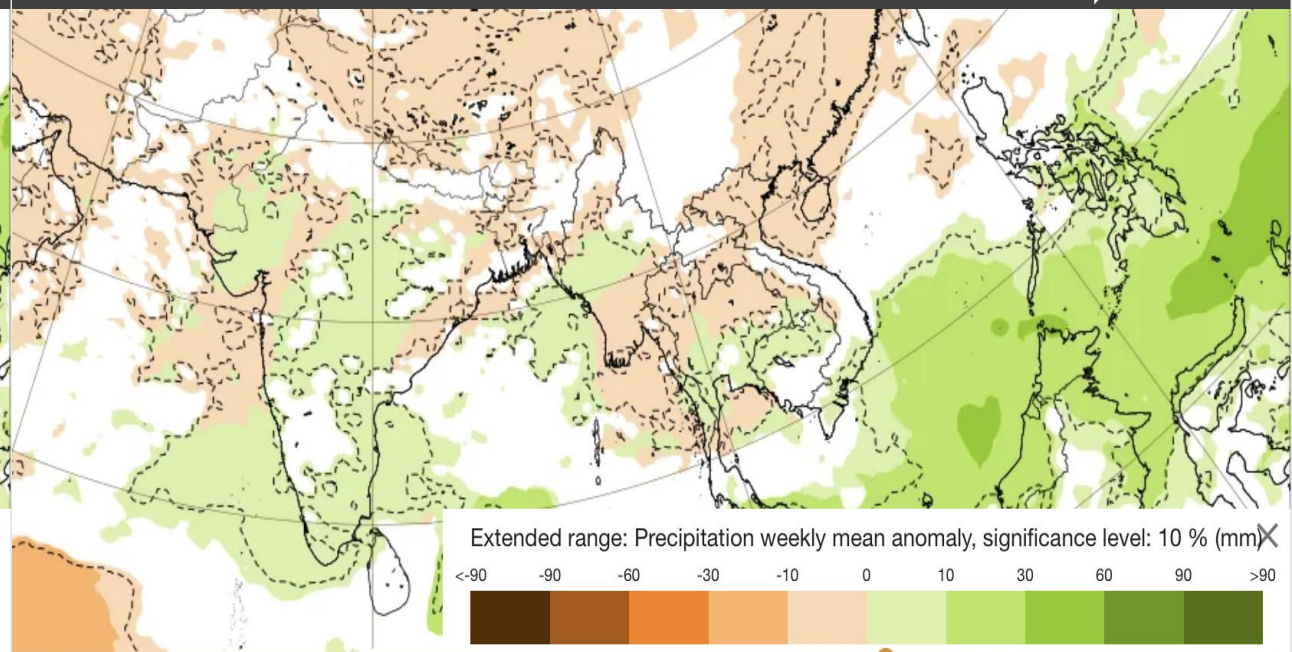
Mon 23 Dec 2024 - Mon 30 Dec 2024



Mon 30 Dec 2024 - Mon 06 Jan 2025



Mon 06 Jan 2025 - Mon 13 Jan 2025



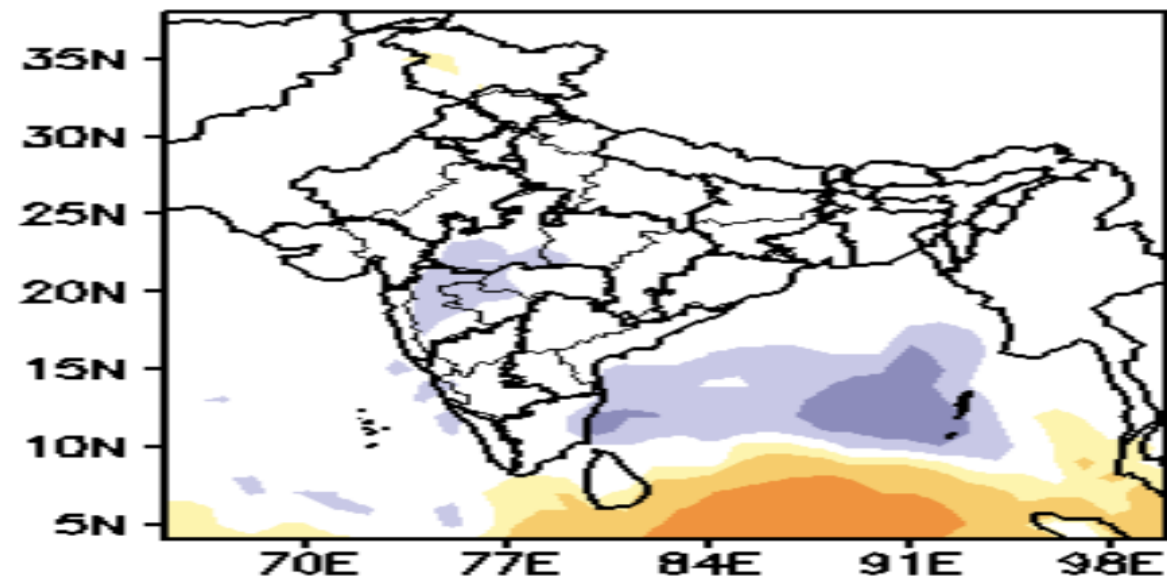
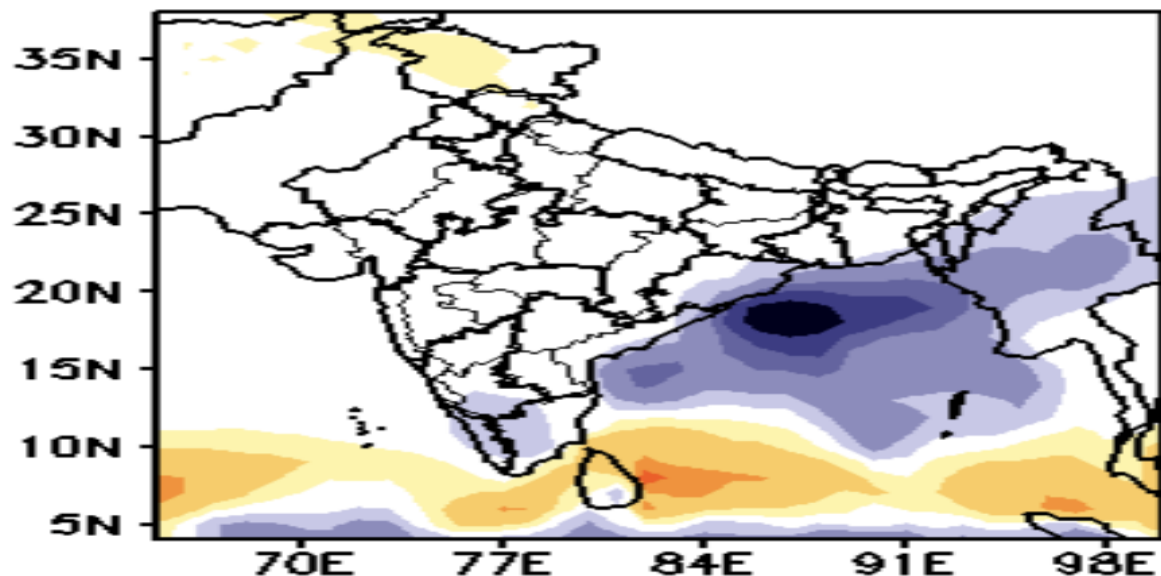
Mon 13 Jan 2025 - Mon 20 Jan 2025



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

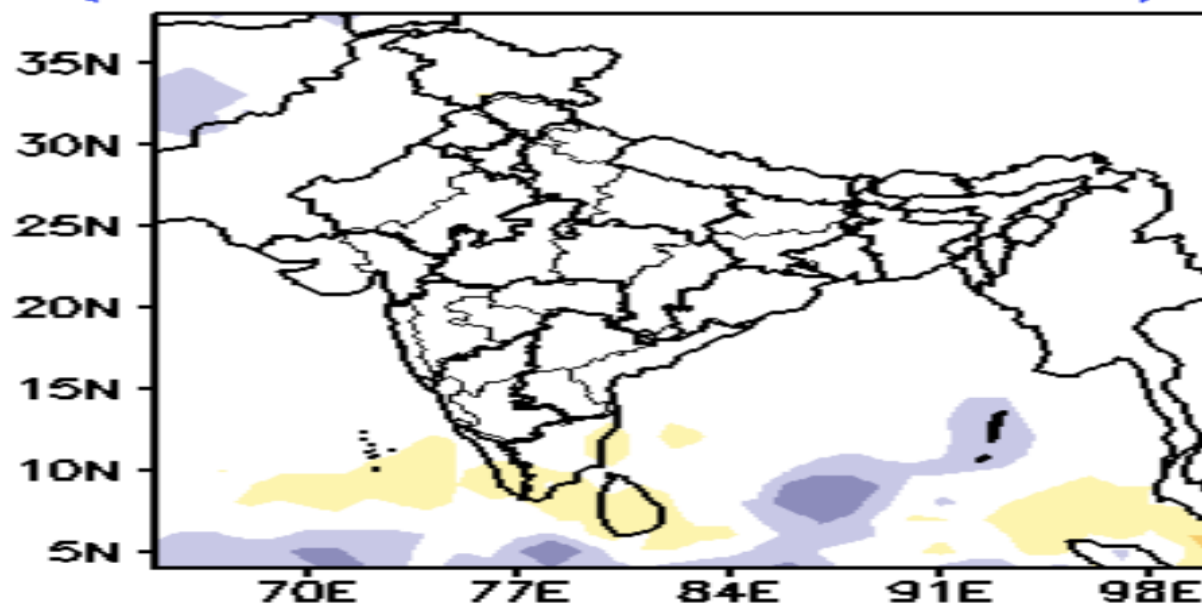
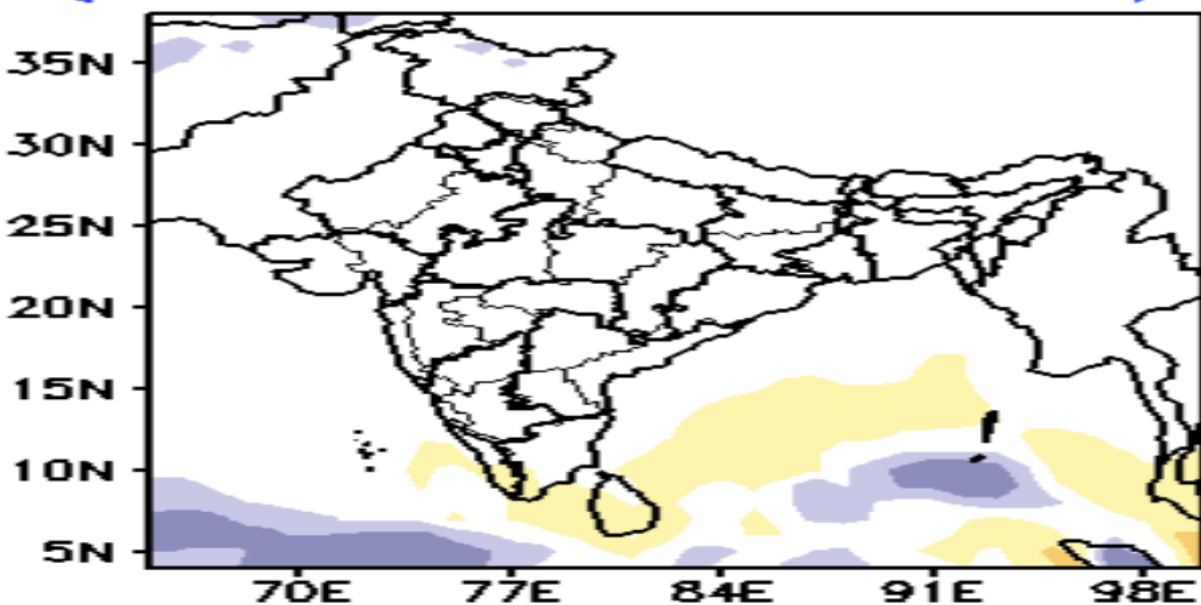
(Week1:00Z19Dec-00Z26Dec)

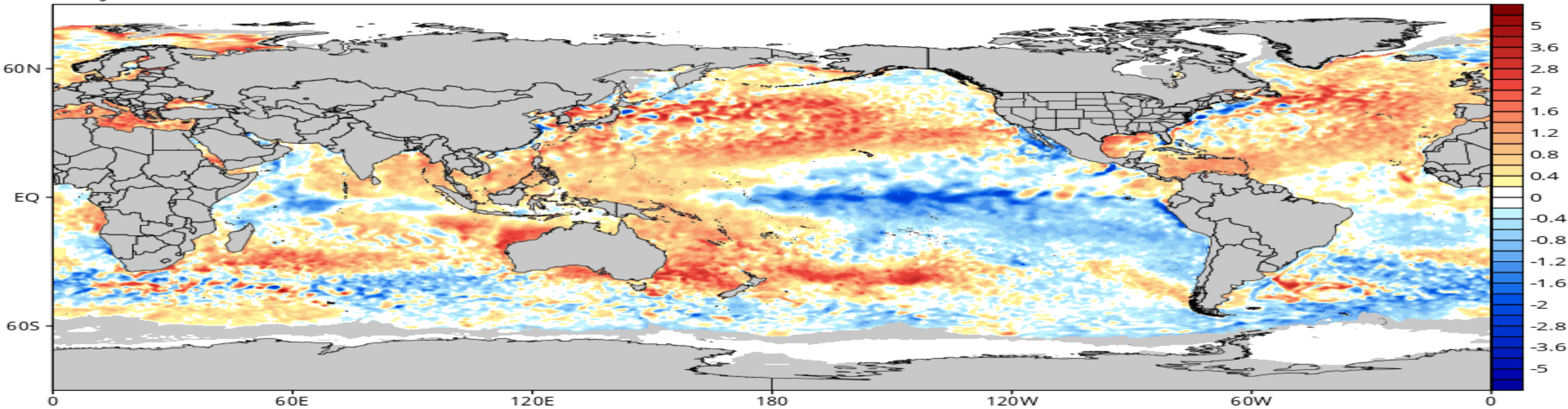
(Week2:00Z26Dec-00Z02Jan)



(Week3:00Z02Jan-00Z09Jan)

(Week4:00Z09Jan-00Z16Jan)





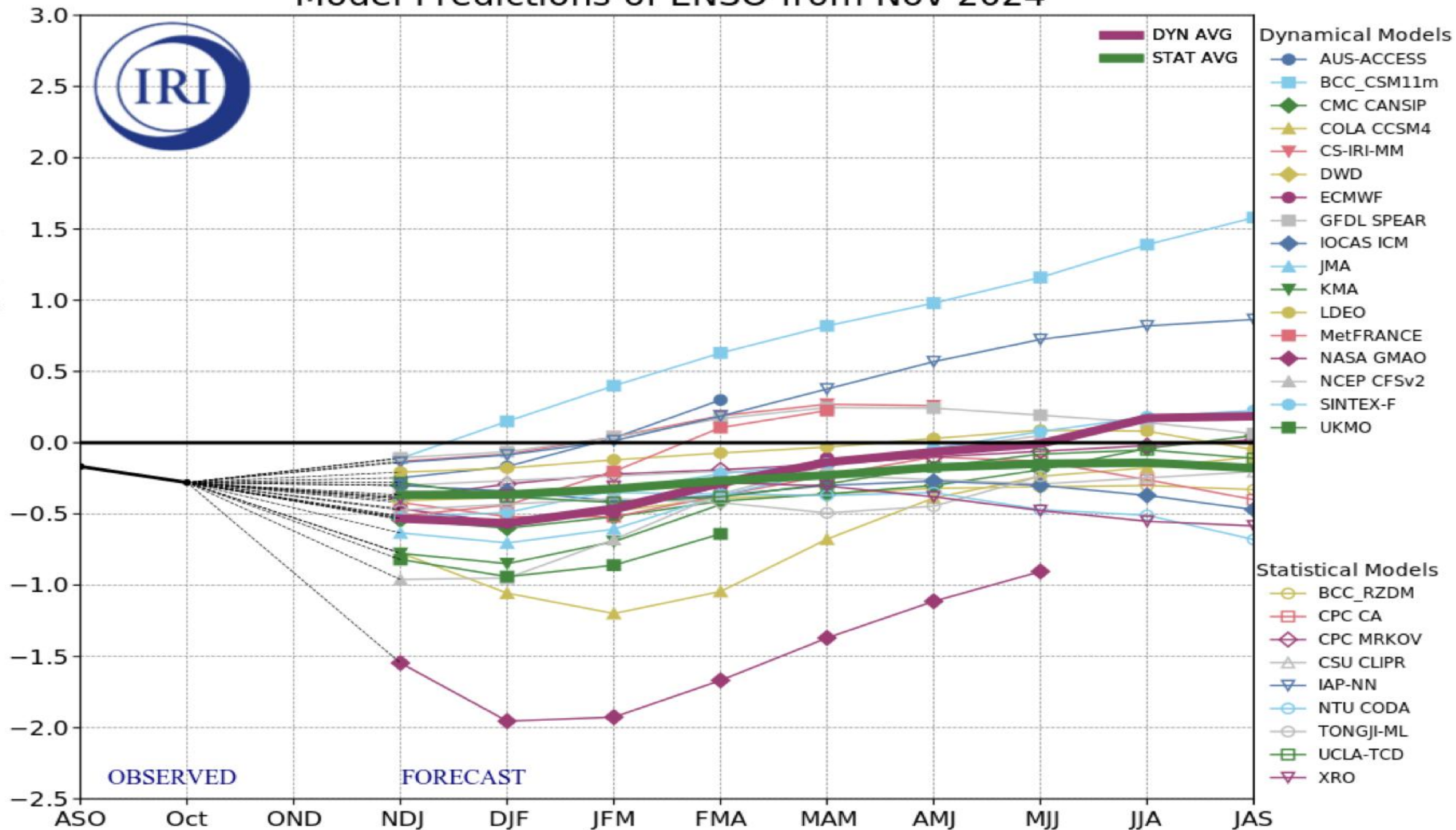
CDAS Niño 3.4 Index



Model Predictions of ENSO from Nov 2024

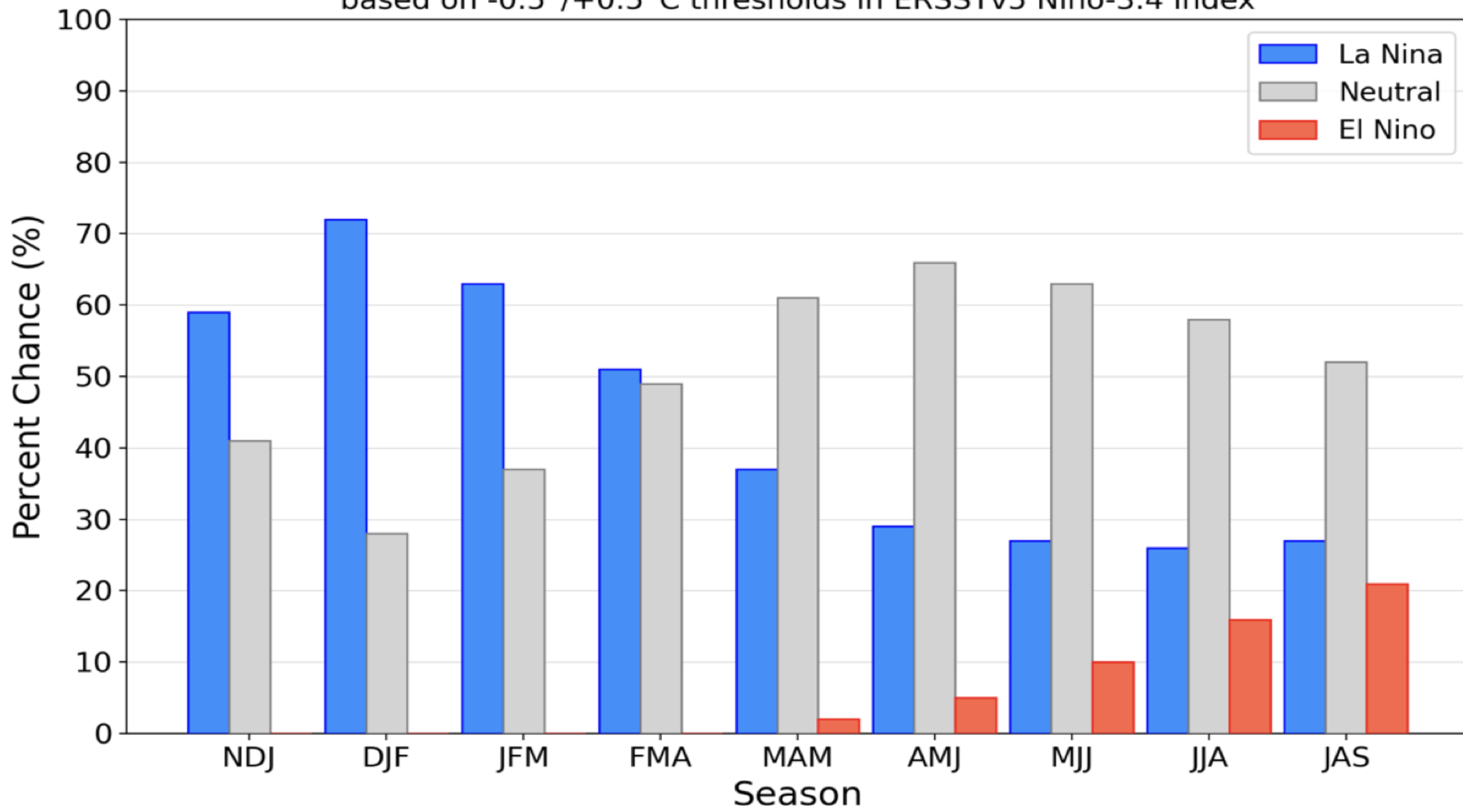


Nino3.4 SST Anomaly (°C)



Official NOAA CPC ENSO Probabilities (issued December 2024)

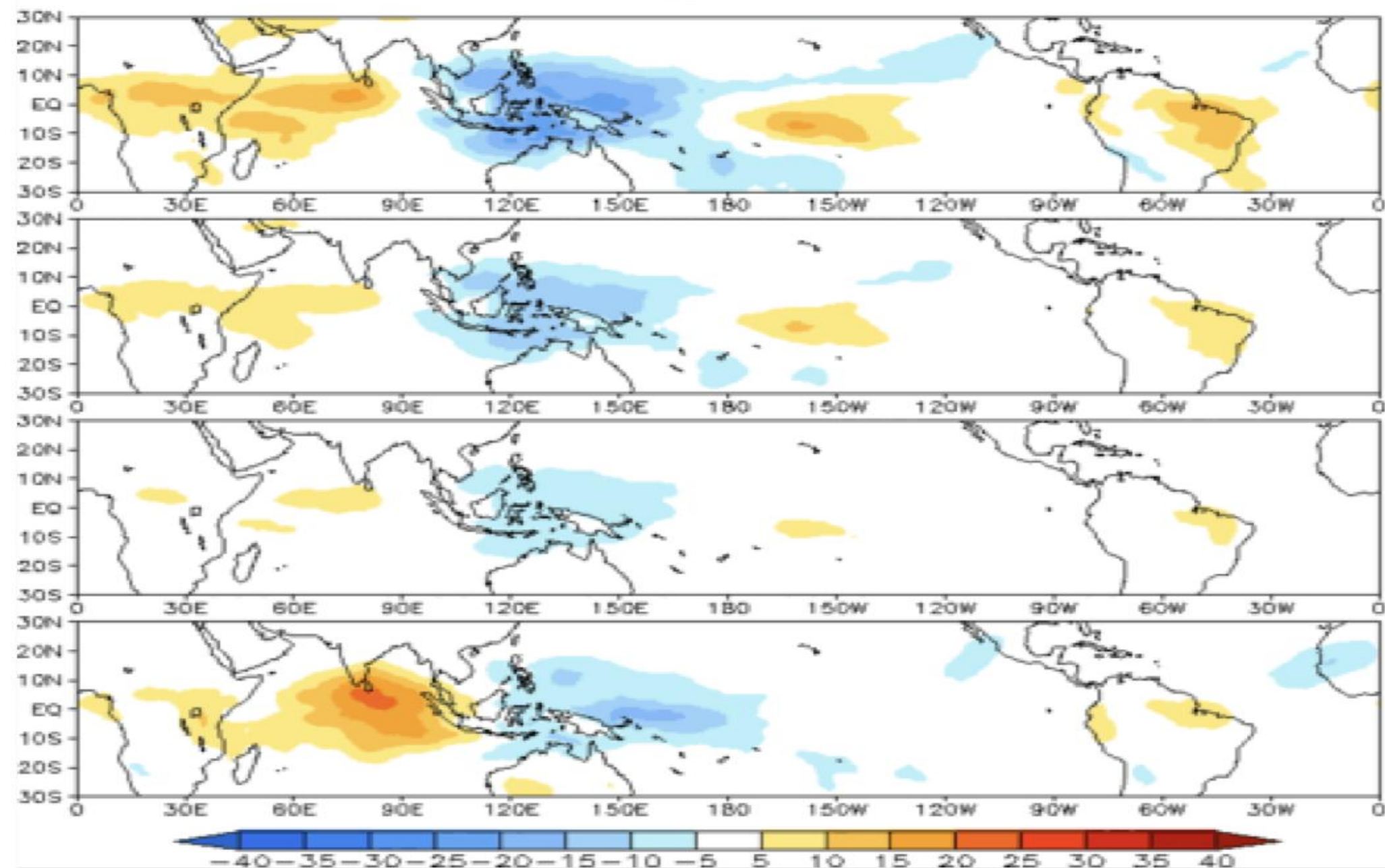
based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index



Prediction of MJO-related anomalies using GEFS operational forecast

Initial date: 15 Dec 2024

OLR



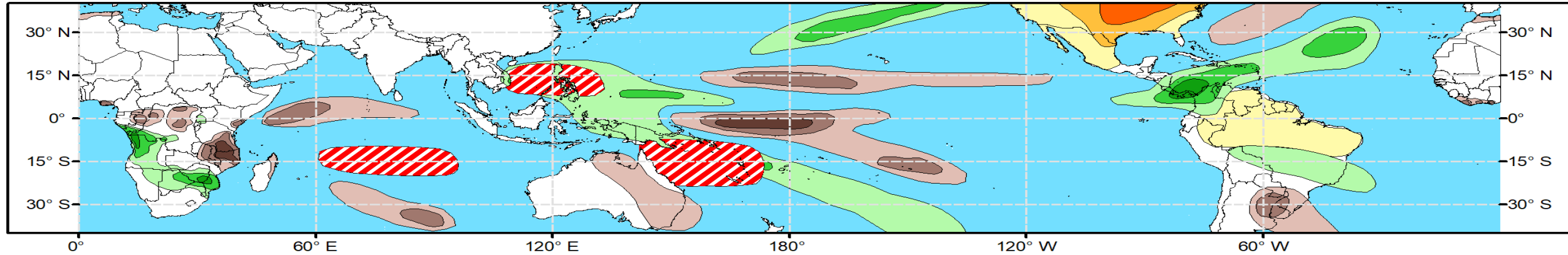


Global Tropics Hazards Outlook

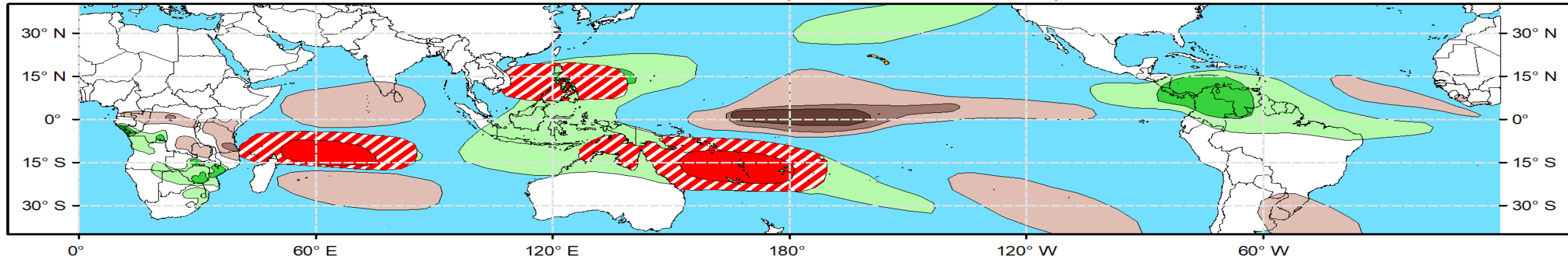
Climate Prediction Center



Week 2 - Valid: Dec 25, 2024 - Dec 31, 2024



Week 3 - Valid: Jan 01, 2025 - Jan 07, 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: 12/17/2024

Forecaster: Barandiaran

**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.**