



Islamic Emirate of Afghanistan
Ministry of Transport & Aviation
Afghanistan meteorological Department
Forecast Division
Satellite General Management



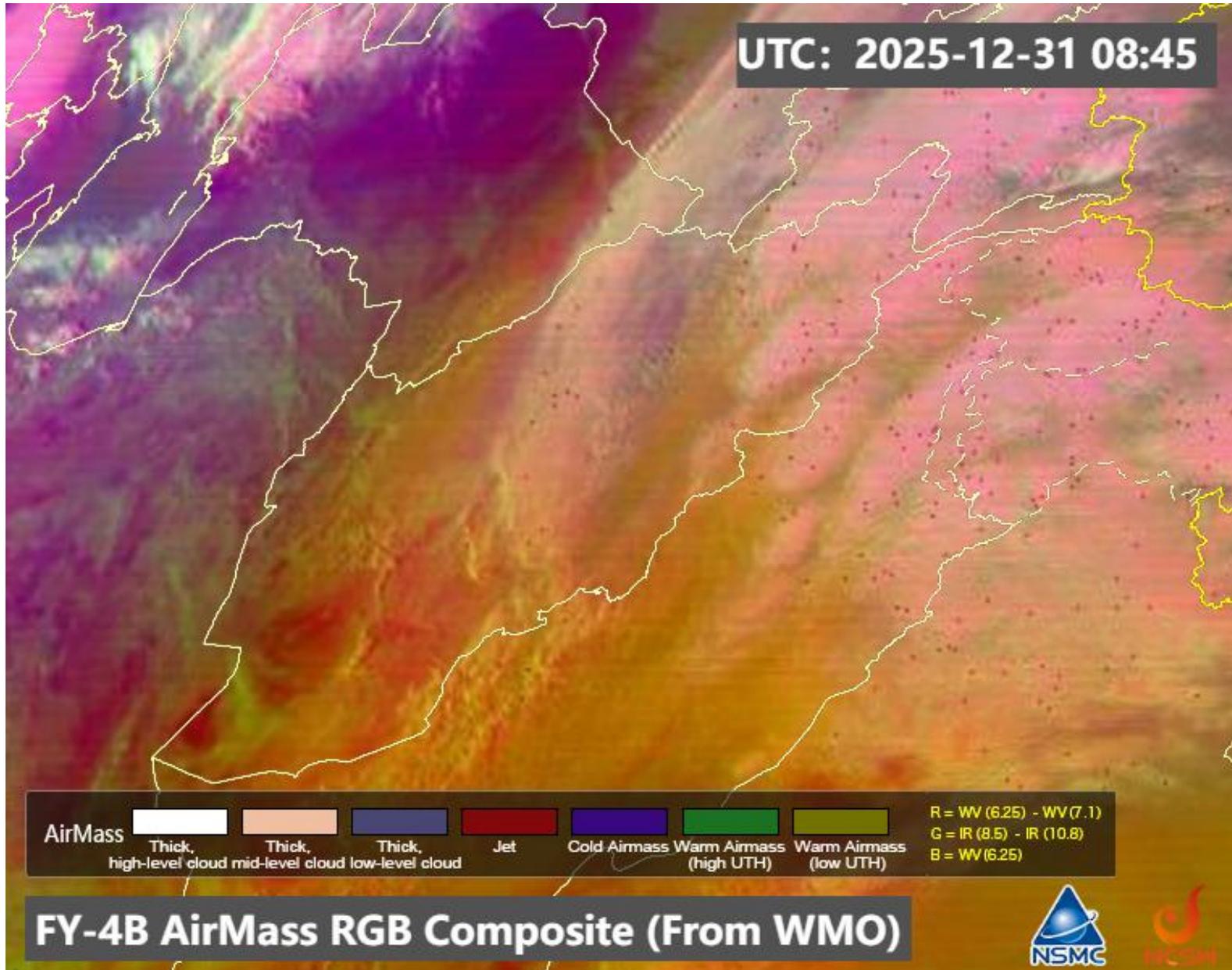
Daily reports of Satellite imagery analysis. Date & Time: 31/12/2025, 09:00 UTC

No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	X	X	X	✓	X	√ moderate	X	X	
2	South	X	X	X	X	X	√ weak	X	X	
3	West	✓	✓	X	X	X	√ weak	X	X	
4	East	X	X	X	✓	X	√ moderate	X	X	
5	central	✓	X	X	✓	X	√ moderate	X	X	
6	Northeast	✓	X	X	✓	X	√ moderate	X	X	
7	Southeast	X	X	X	✓	X	√ weak	X	X	
8	Northwest	X	X	X	✓	X	√ moderate	X	X	
9	Southwest	X	✓	X	X	X	√weak	X	X	

Details: according to satellite imagery analysis central and northwestern areas have cold air mass. The western area has weak worm air mass with (Low UTH). The northern, eastern, central, northeastern, southeastern and northwestern areas have cloudy sky which the height of cloud is about 6-10 km. The northern, eastern, central, northeastern and northwestern areas have moderate water vapor the southern, western, southeastern and southwestern areas have weak water vapor.

Reported by: Mohammad Jawed Moradi

UTC: 2025-12-31 08:45



AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

Cold Airmass

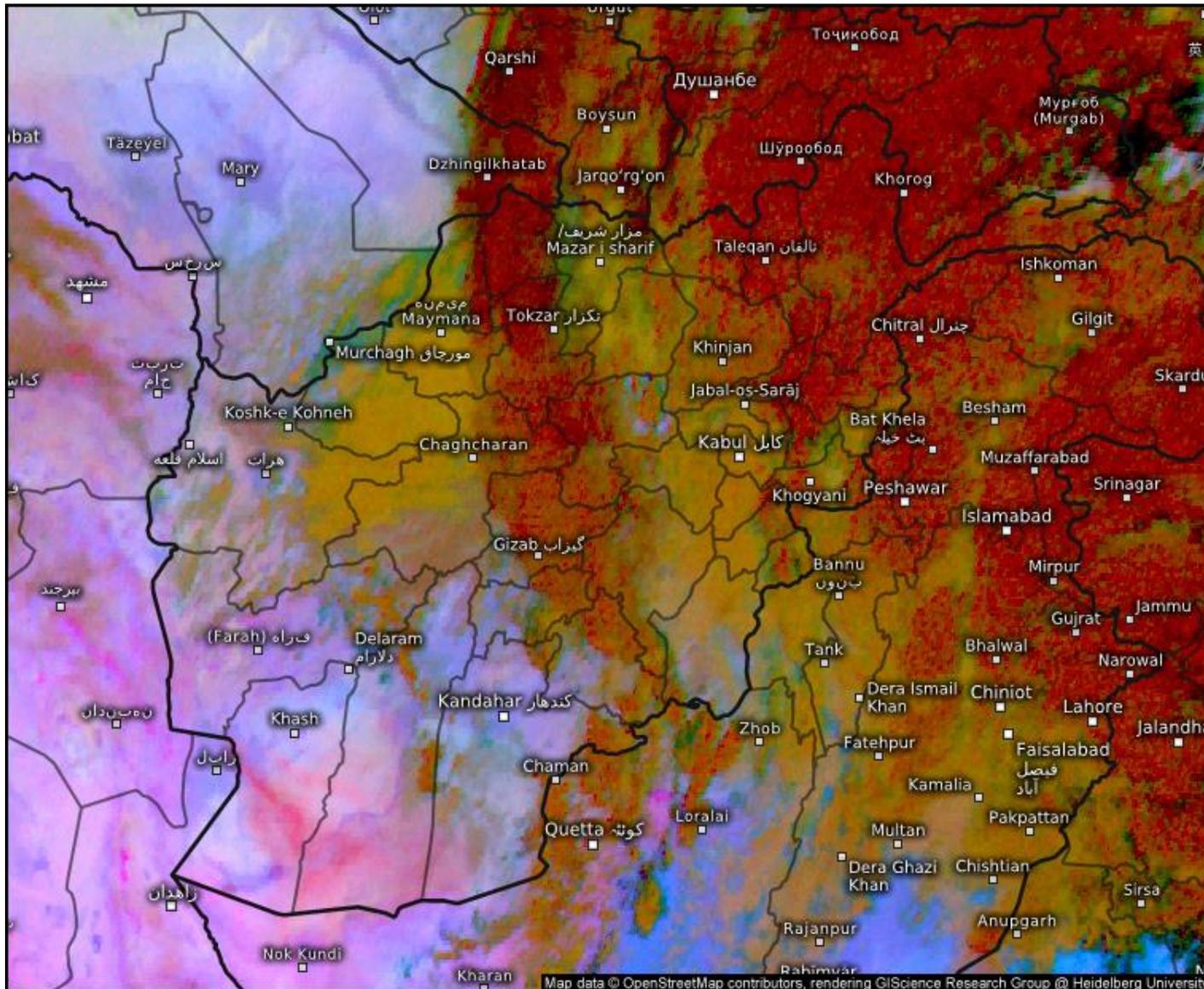
Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

R = WV (6.25) - WV (7.1)
G = IR (8.5) - IR (10.8)
B = WV (6.25)

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust

Wed 12/31/2025, 01:30pm GMT+0430

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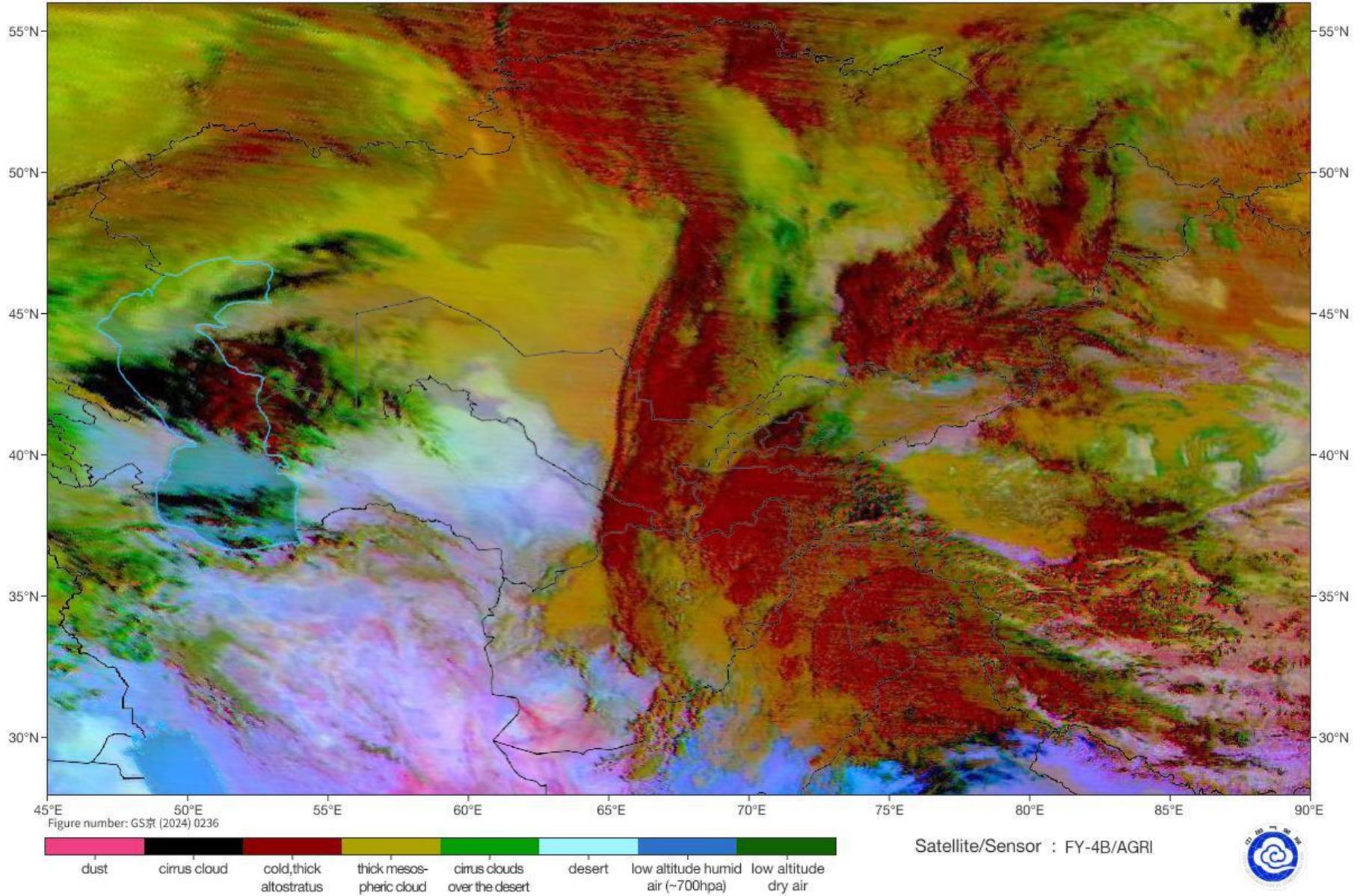
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Satellite data: EUMETSAT

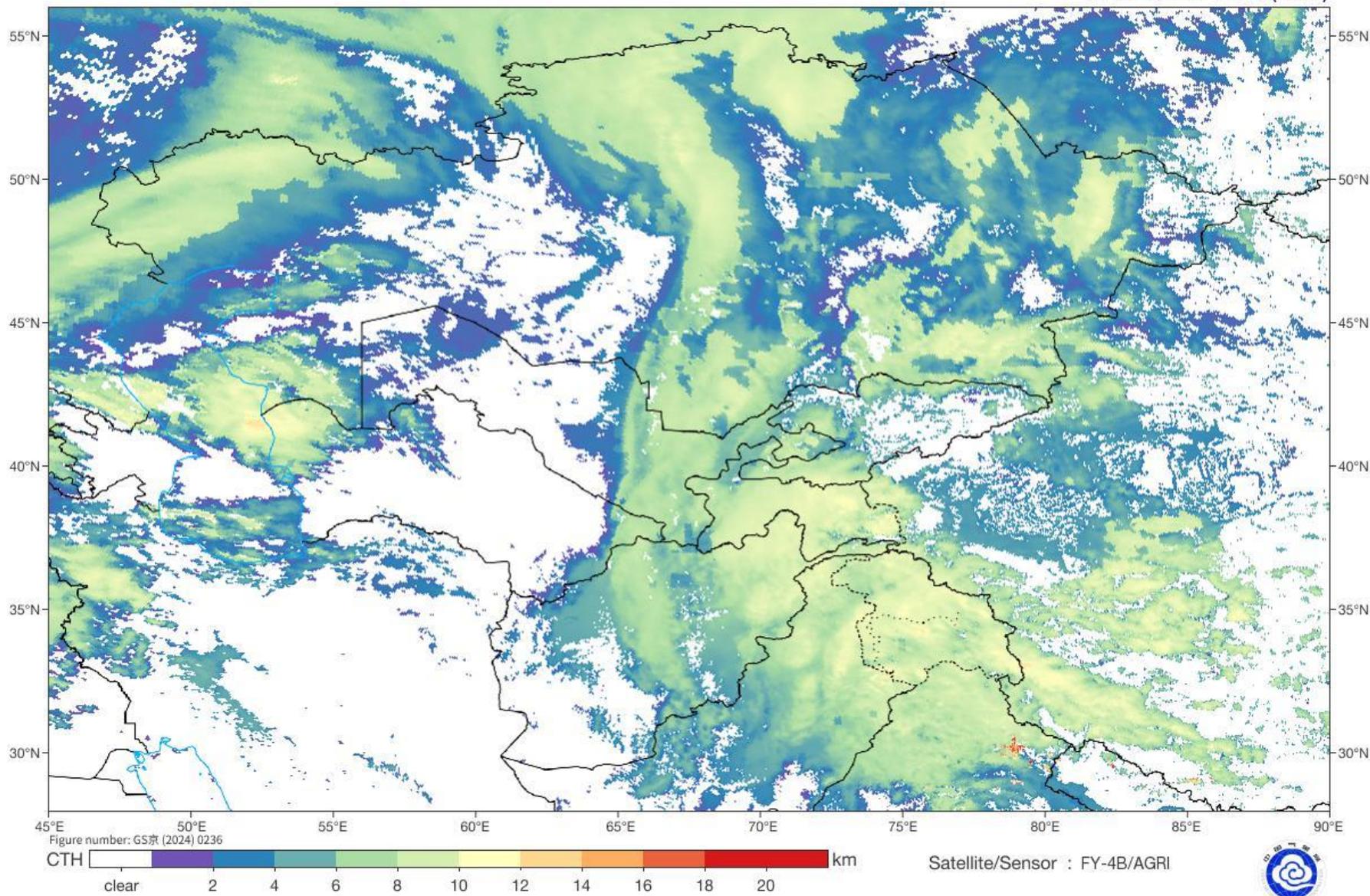
Sand And Dust Identification

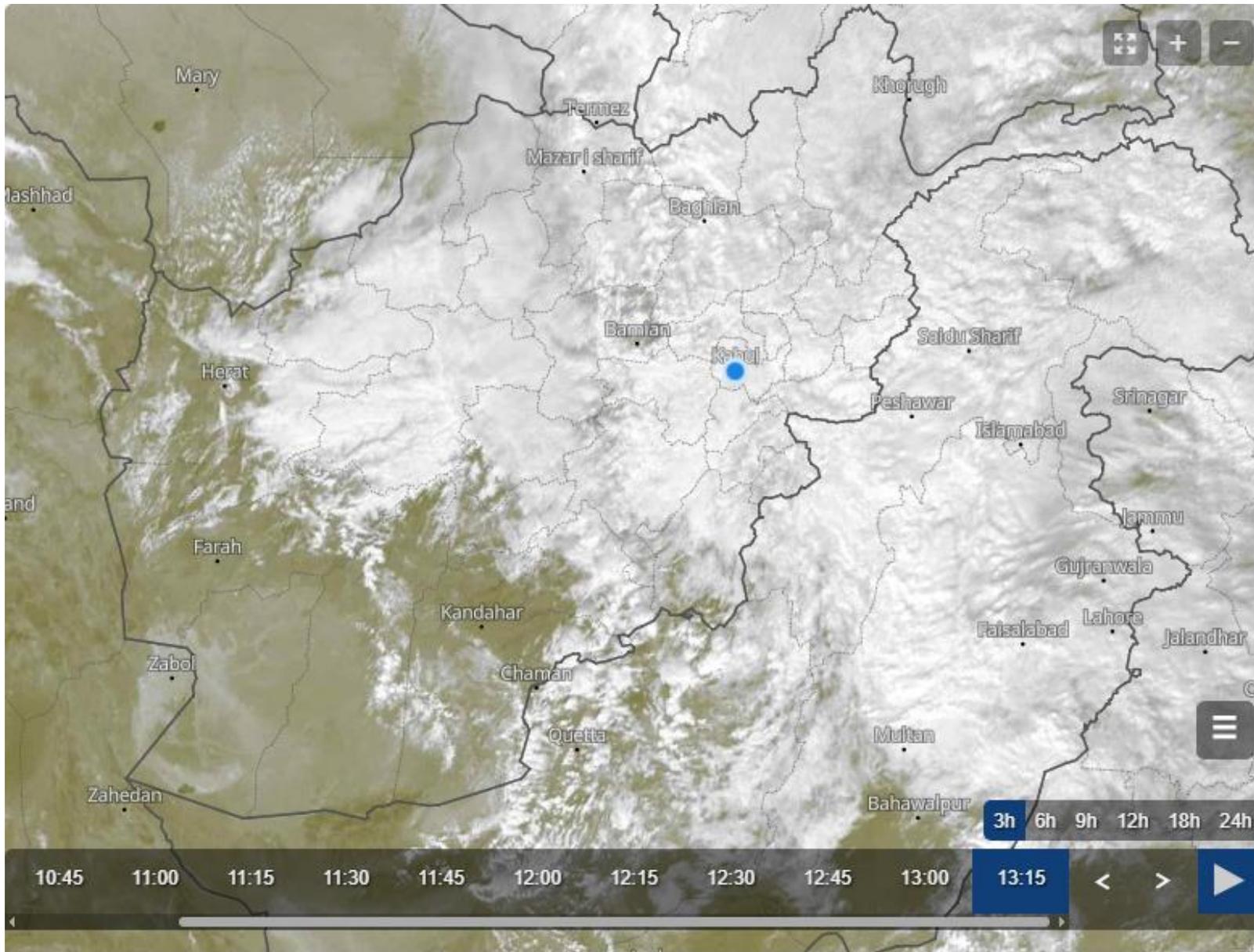
2025-12-31 08:45(UTC)

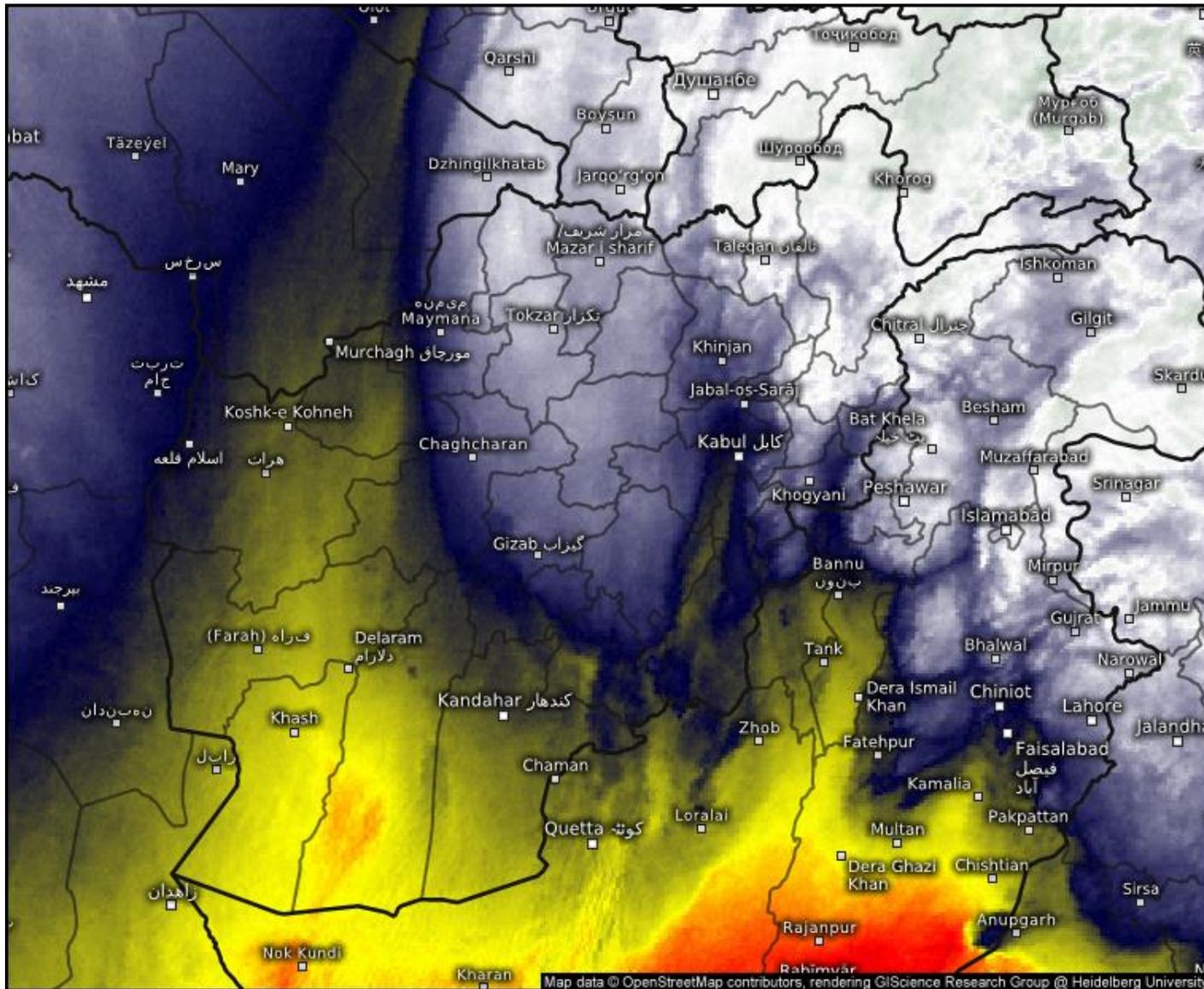


Cloud Top Height

2025-12-31 08:30(UTC)

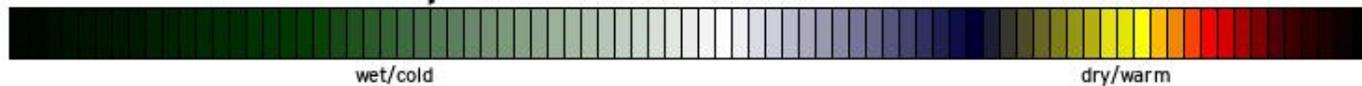






Satellite Water Vapor

Wed 12/31/2025, 01:30pm GMT+0430



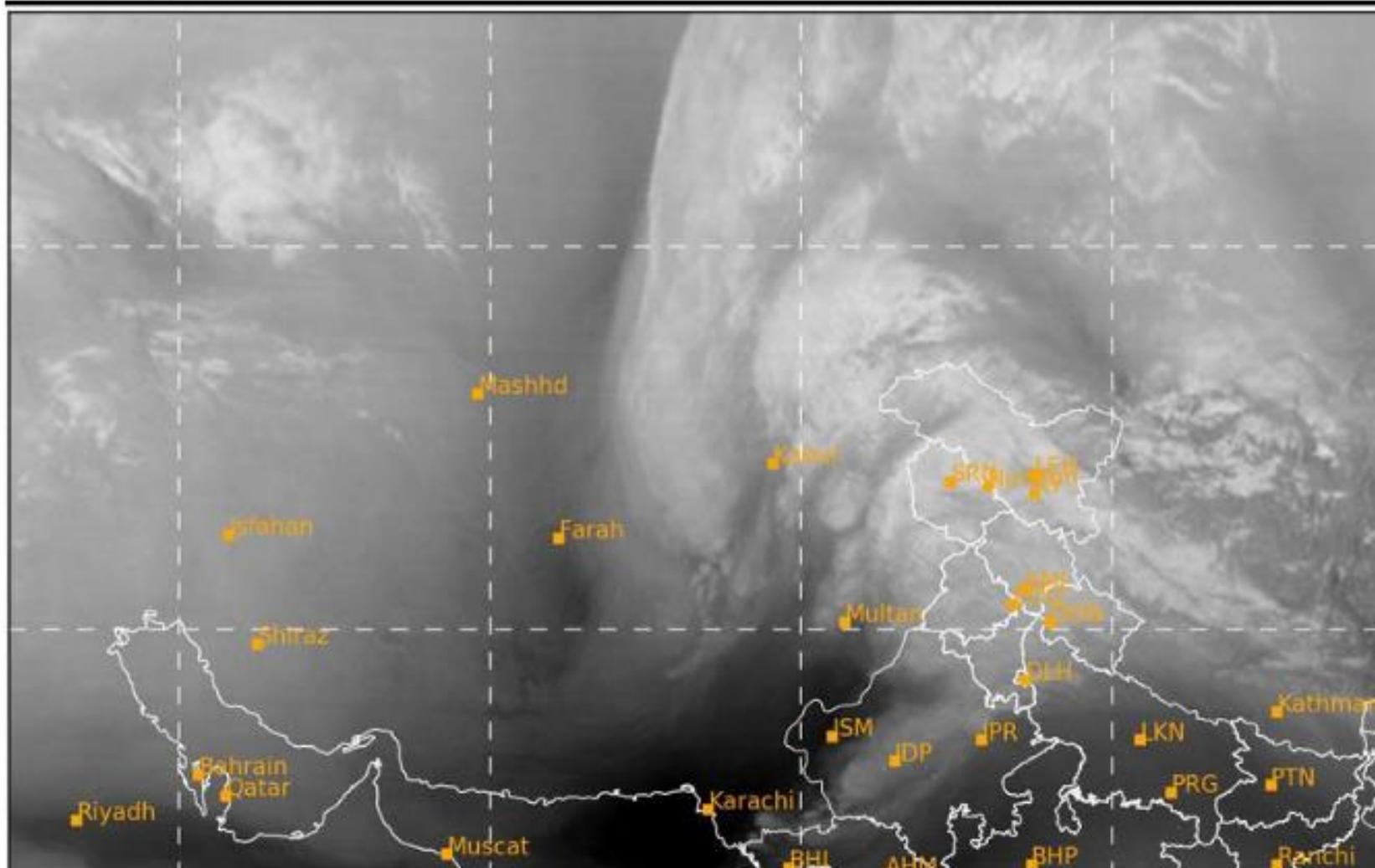
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 Afghanistan

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Satellite data: EUMETSAT

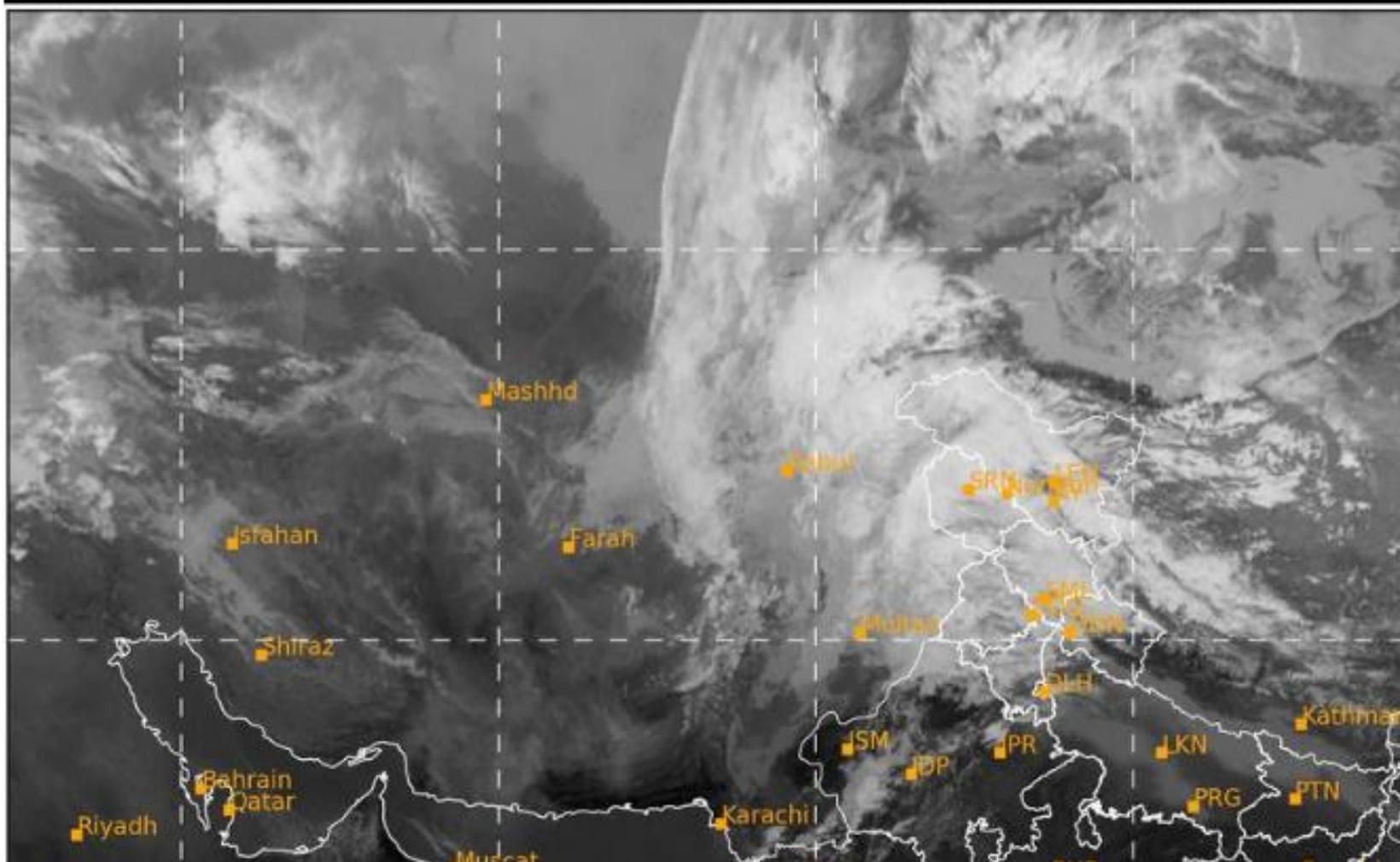
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
LIC Mercator

31-12-2025/(0745 to 0811) GMT
31-12-2025/(1315 to 1341) IST



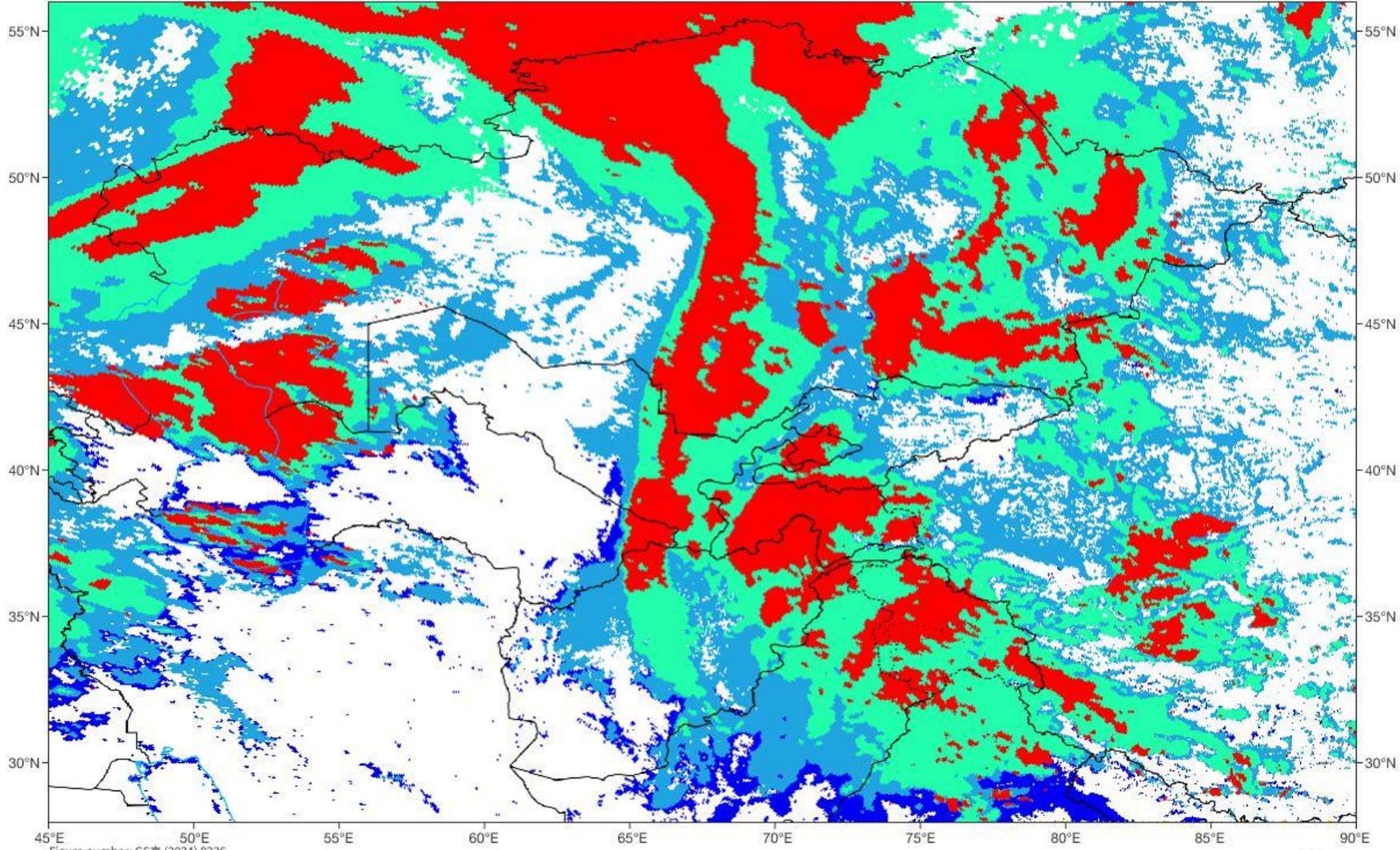
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IMG_TIR1 10.8 um
LIC Mercator

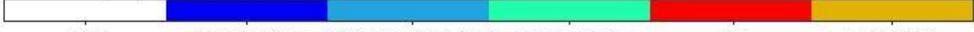
31-12-2025/(0745 to 0811) GMT
31-12-2025/(1315 to 1341) IST



Cloud Phase

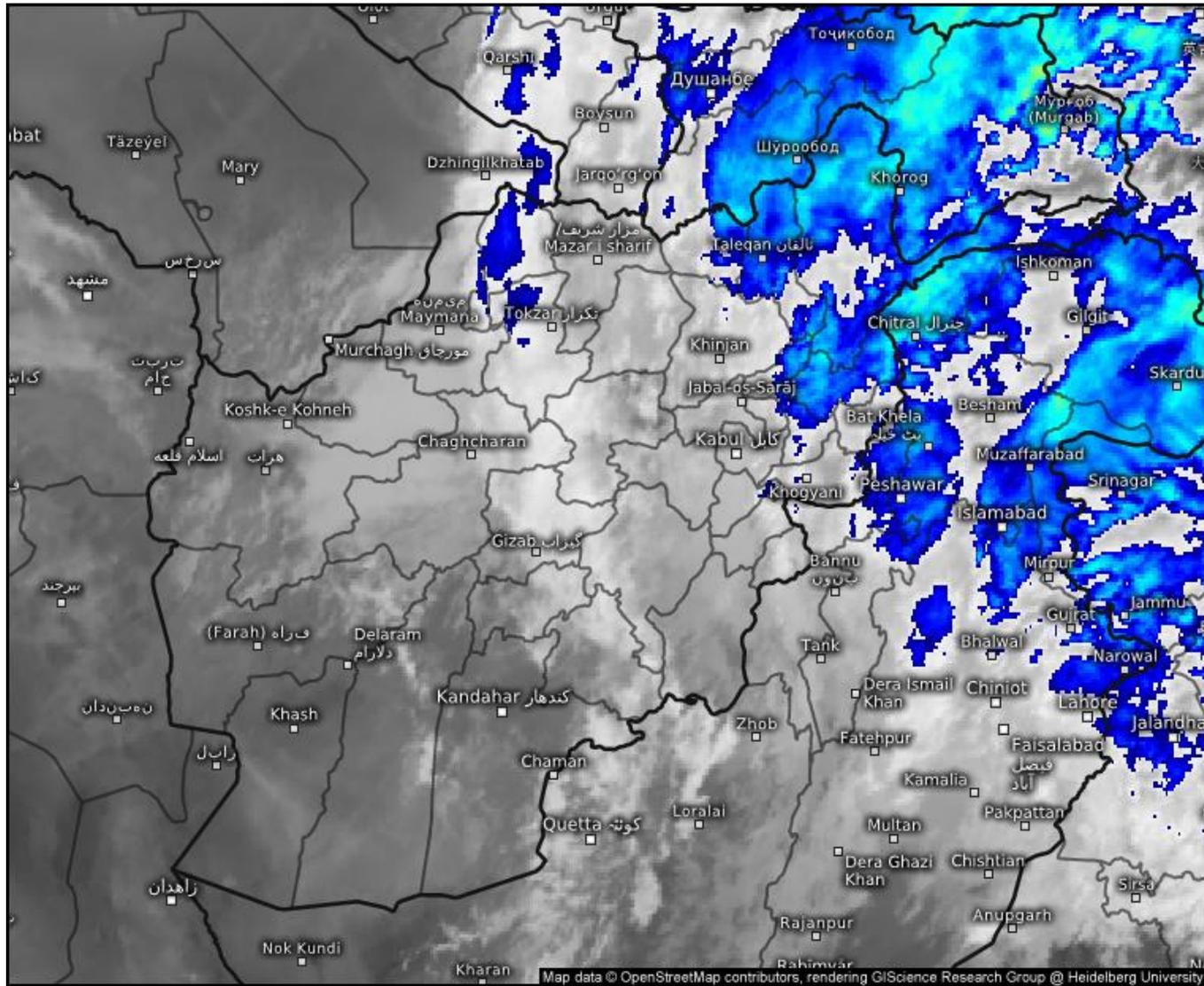
2025-12-31 08:45(UTC)



CLP  clear liquid water supercooled water mixed phase ice uncertain

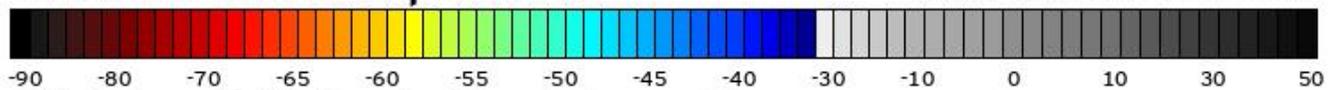
Satellite/Sensor : FY-4B/AGRI





Satellite Cloud Tops Alert

Wed 12/31/2025, 01:30pm GMT+0430



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Satellite data: EUMETSAT