



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



Daily reports of Satellite imagery analysis. Date & Time: 22/12/2025, 06:00 UTC

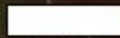
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	X	X	X	✓	X	√ weak	X	X	
2	South	X	X	X	✓	X	√ weak	X	X	
3	West	✓	✓	X	X	X	√ weak	X	X	
4	East	X	X	X	✓	X	√ weak	X	X	
5	central	X	X	X	✓	X	√ weak	X	X	
6	Northeast	X	X	X	✓	X	√ moderate	X	X	
7	Southeast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

Details: according to satellite imagery analysis the western and northwestern areas have weak worm air mass with (Low UTH). the western area has dust. The northern, southern, eastern, central, northeastern and southeastern areas have cloudy sky which the height of cloud is about 4-10 km. The all regions have weak water vapor which the exception of northeastern area has moderate water vapor.

Reported by: Mohammad Jawed Moradi

UTC: 2025-12-22 05:45

AirMass



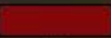
Thick,
high-level cloud



Thick,
mid-level cloud



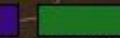
Thick,
low-level cloud



Jet



Cold Airmass



Warm Airmass
(high UTH)

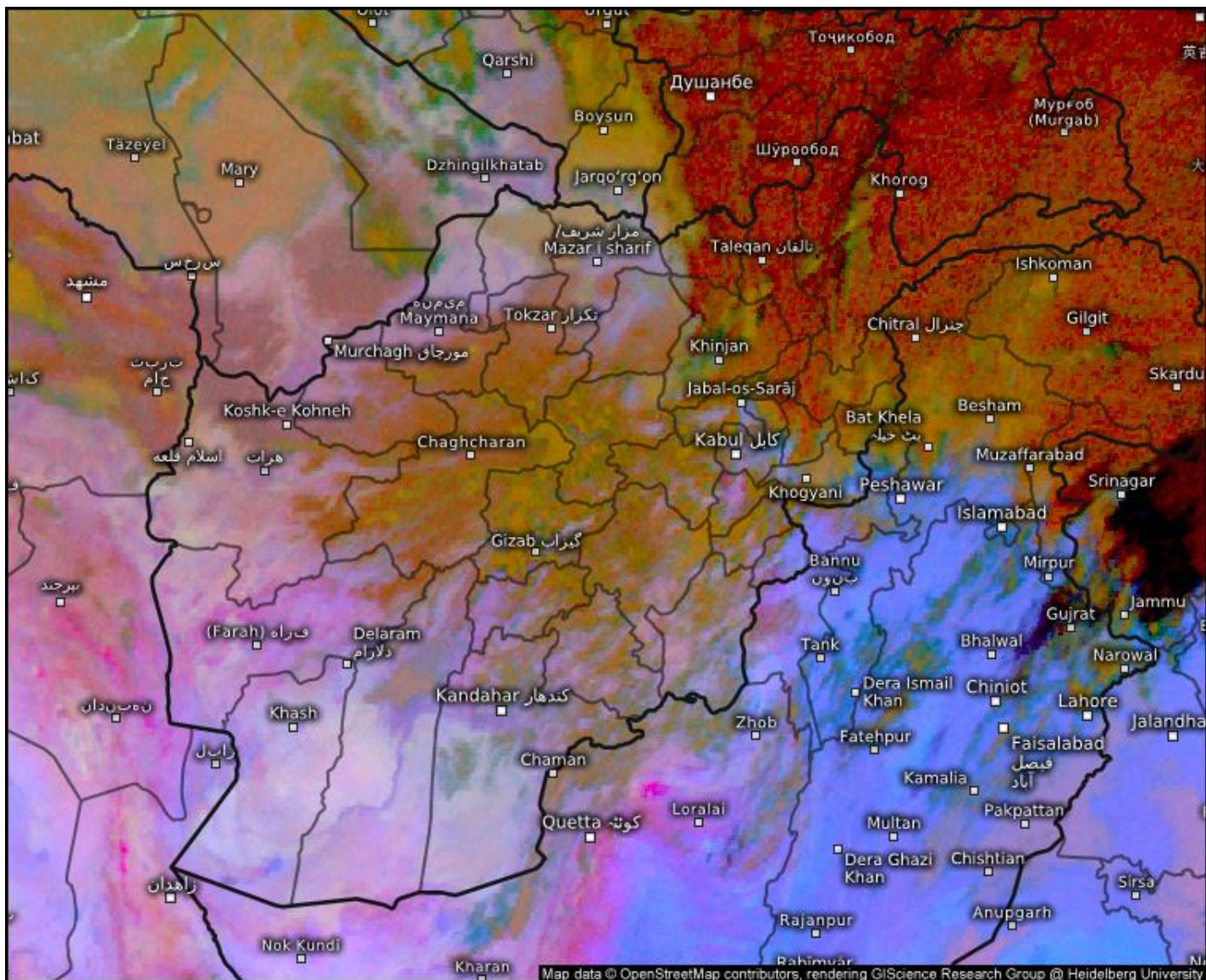


Warm Airmass
(low UTH)

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

Mon 12/22/2025, 10:30am GMT+0430

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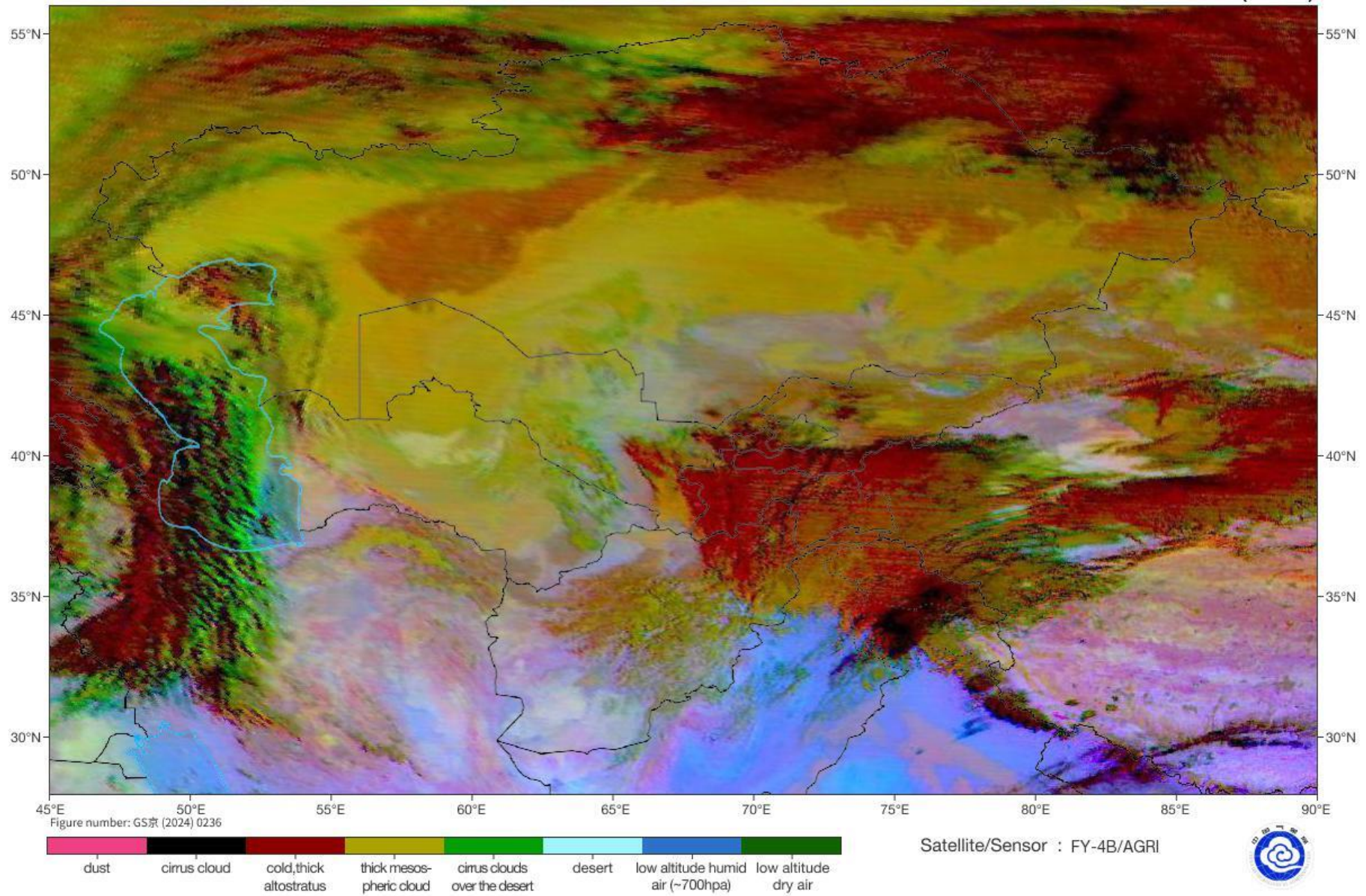
Afghanistan

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Satellite data: EUMETSAT

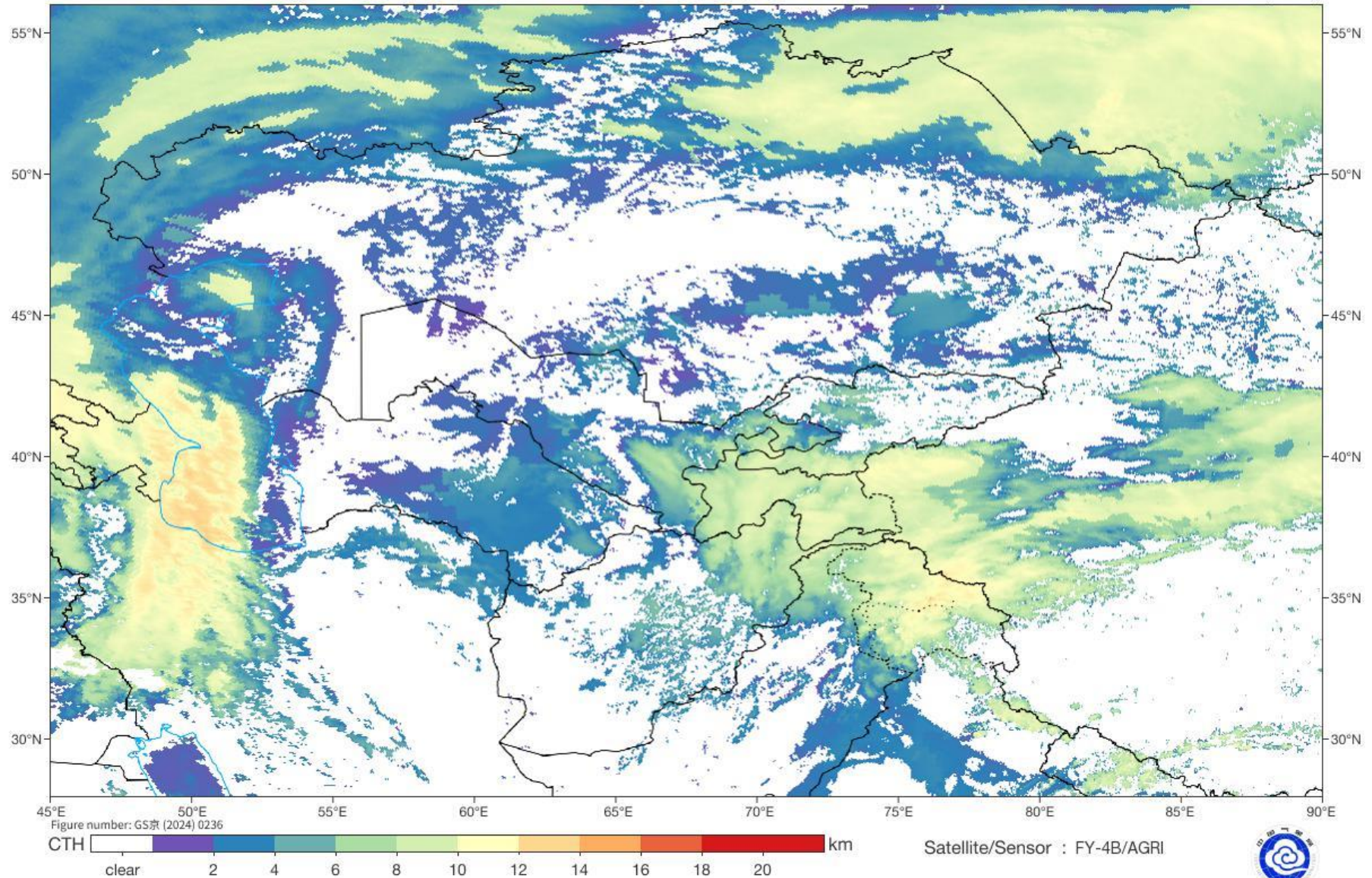
Sand And Dust Identification

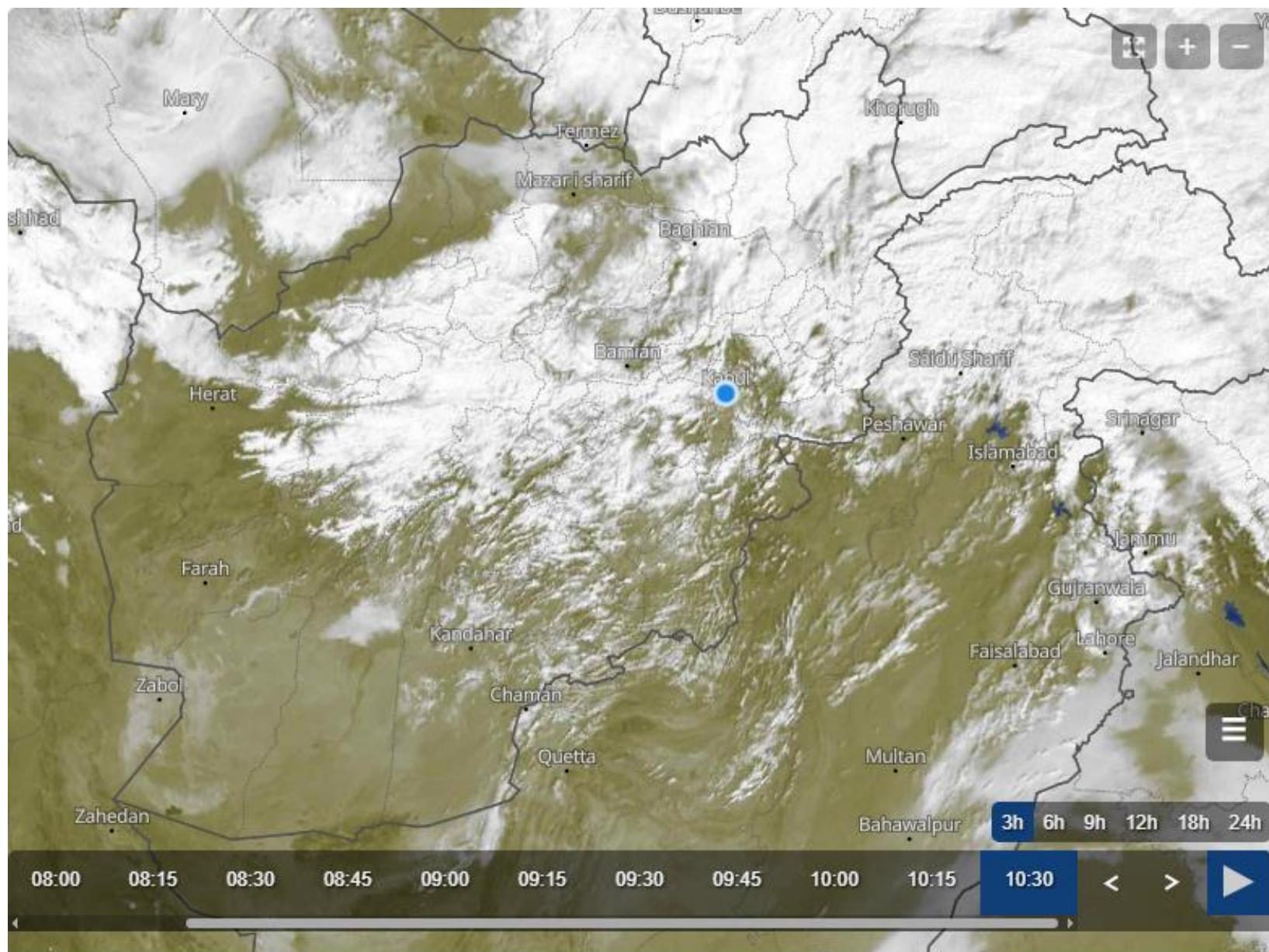
2025-12-22 06:00(UTC)

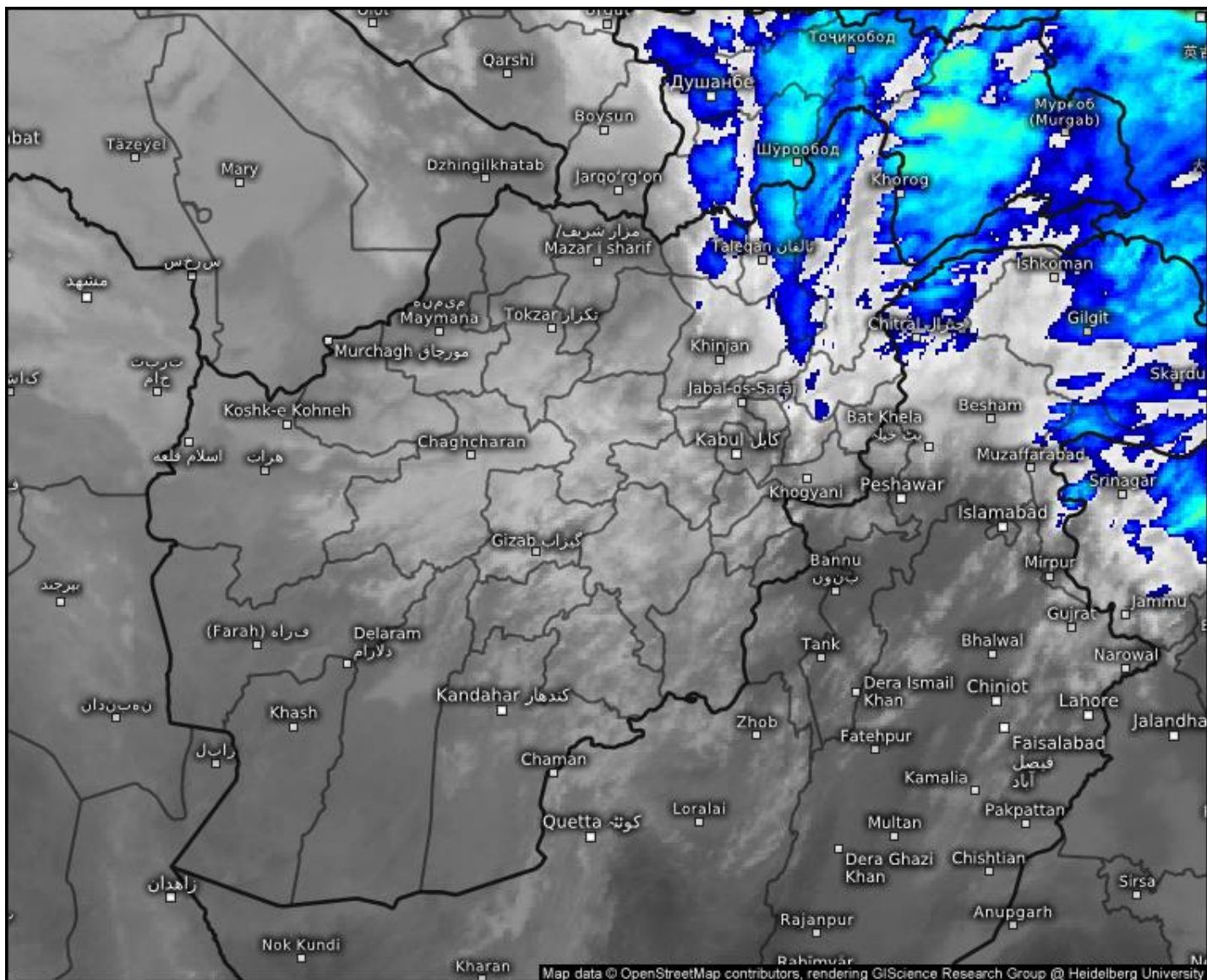


Cloud Top Height

2025-12-22 05:45(UTC)

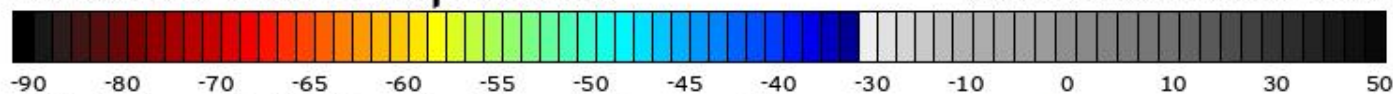






Satellite Cloud Tops Alert

Mon 12/22/2025, 10:30am GMT+0430



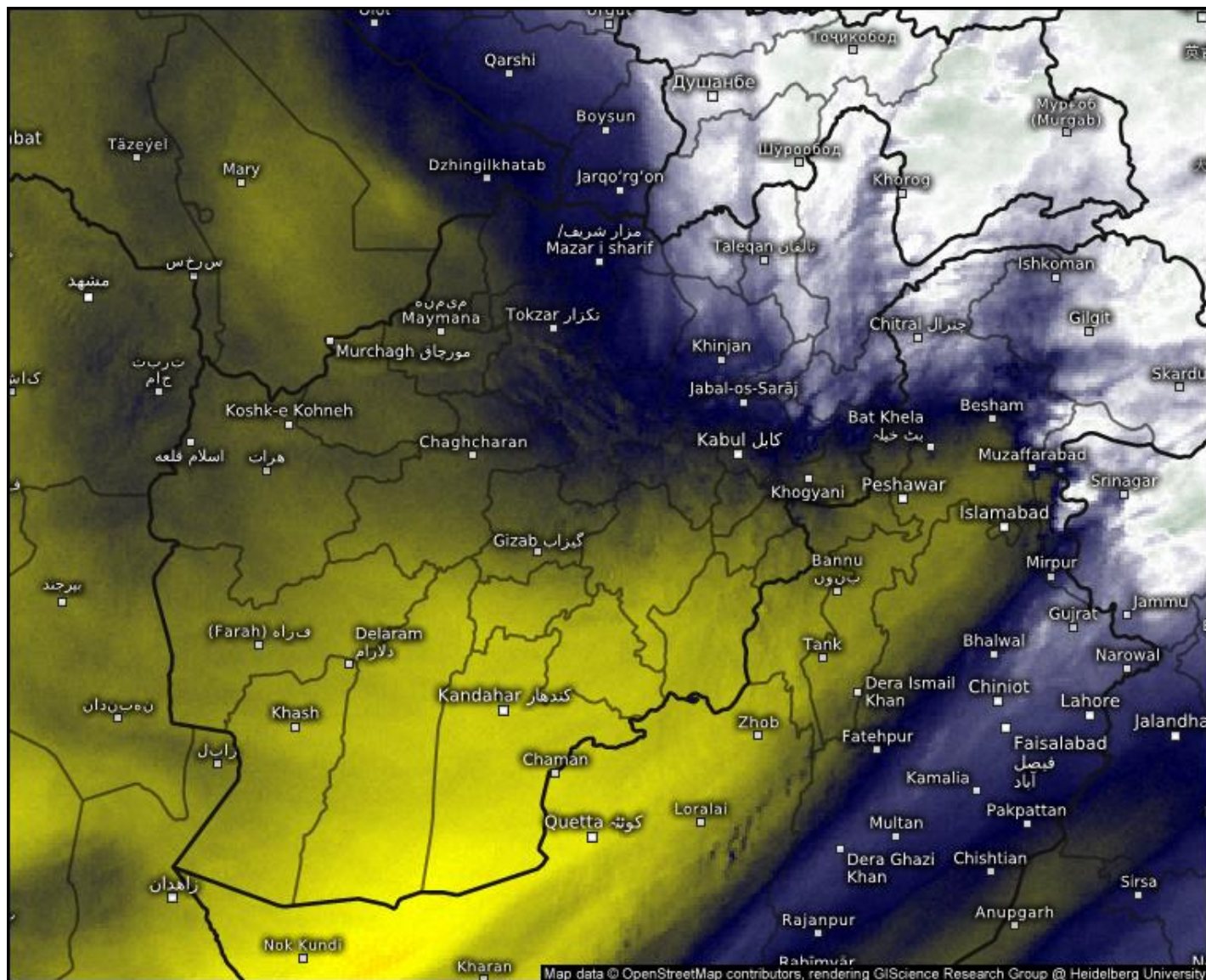
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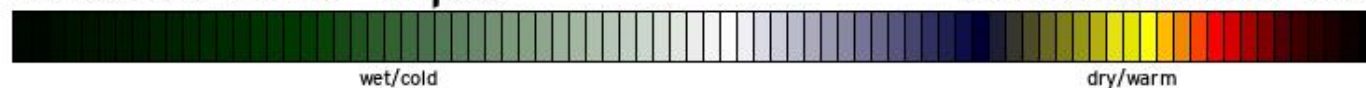
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Satellite data: EUMETSAT



Satellite Water Vapor

Mon 12/22/2025, 10:30am GMT+0430



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Satellite data: EUMETSAT

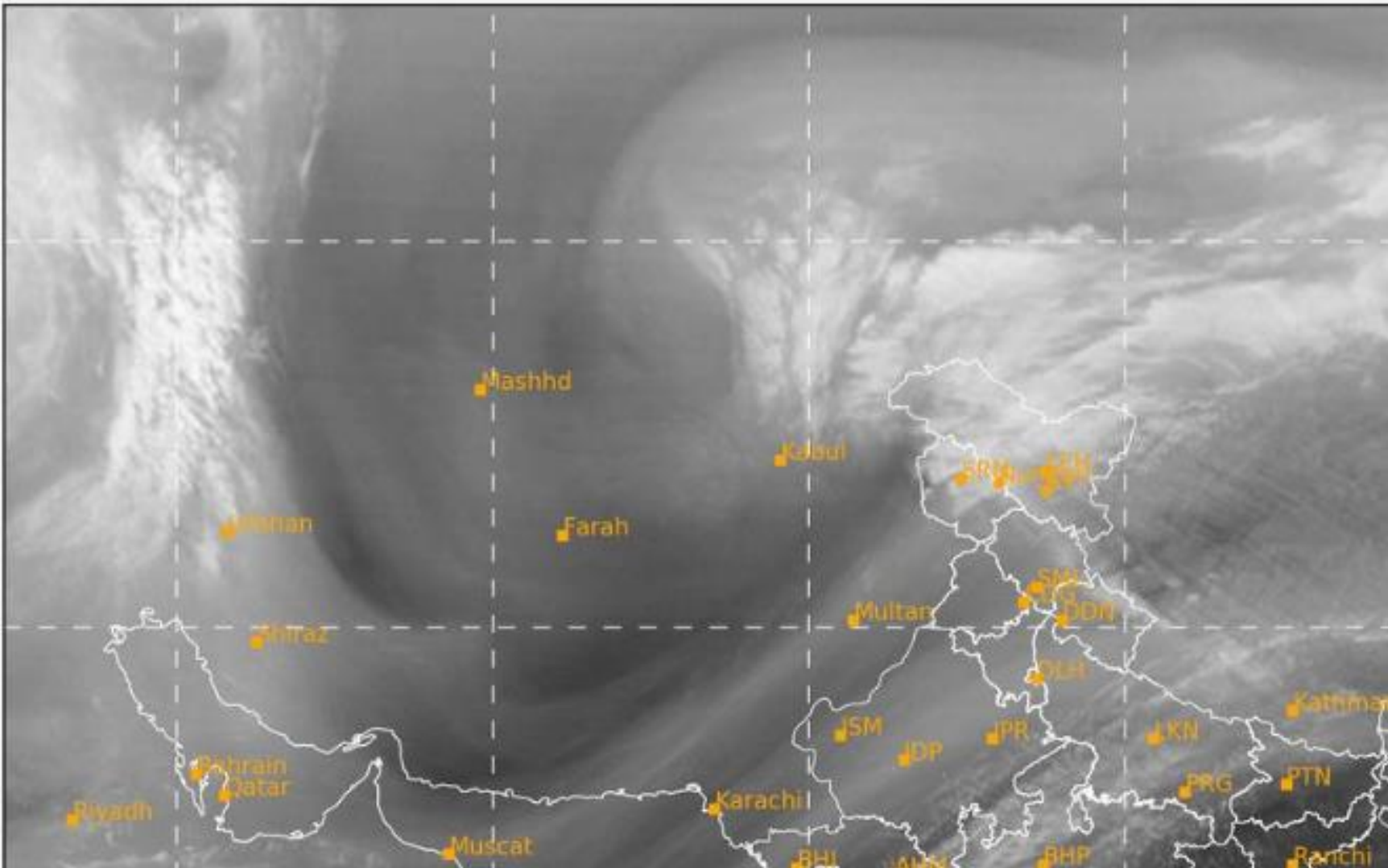
SAT : INSAT-3DR IMG

IMG WV 6.8 um

L1C Mercator

22-12-2025/(0515 to 0542) GMT

22-12-2025/(1045 to 1112) IST



SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

22-12-2025/(0515 to 0542) GMT
22-12-2025/(1045 to 1112) IST

