



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



Daily reports of Satellite imagery analysis. Date & Time: 24/05/2025, 09:00 UTC, Number of reports: 1000

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	√ dry	X	X	
3	West	X	X	X	✓	X	√ moderate	X	X	
4	East	✓	✓	X	X	X	√ weak	X	X	
5	central	✓	✓	X	X	X	√ weak	X	X	
6	Northeast	✓	✓	X	X	X	√ moderate	X	X	
7	Southeast	✓	✓	X	X	X	√ weak	X	X	
8	Northwest	✓	X	X	X	X	√ weak	X	X	
9	Southwest	✓	✓	X	X	X	√ dry	X	X	

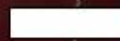
Details: according to satellite imagery analysis the all regions have worm air mass The southern and southwestern areas have dust storm but the eastern, central, northeastern and southwestern areas have dust. The western area has partly cloudy sky. The western and northeastern areas have moderate water vapor the northern, eastern, central, southeastern and northwestern areas have weak water vapor also the southern and southwestern areas are dry.

Note: X (Not existing phenomena), √ (exist phenomena)

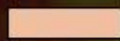
- Reported by: Mohammad Jawed Moradi

UTC : 2025-05-24 08:45

AirMass



Thick,
high-level cloud



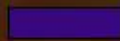
Thick,
mid-level cloud



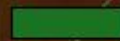
Thick,
low-level cloud



Jet



Cold Airmass



Warm Airmass
(high UTH)

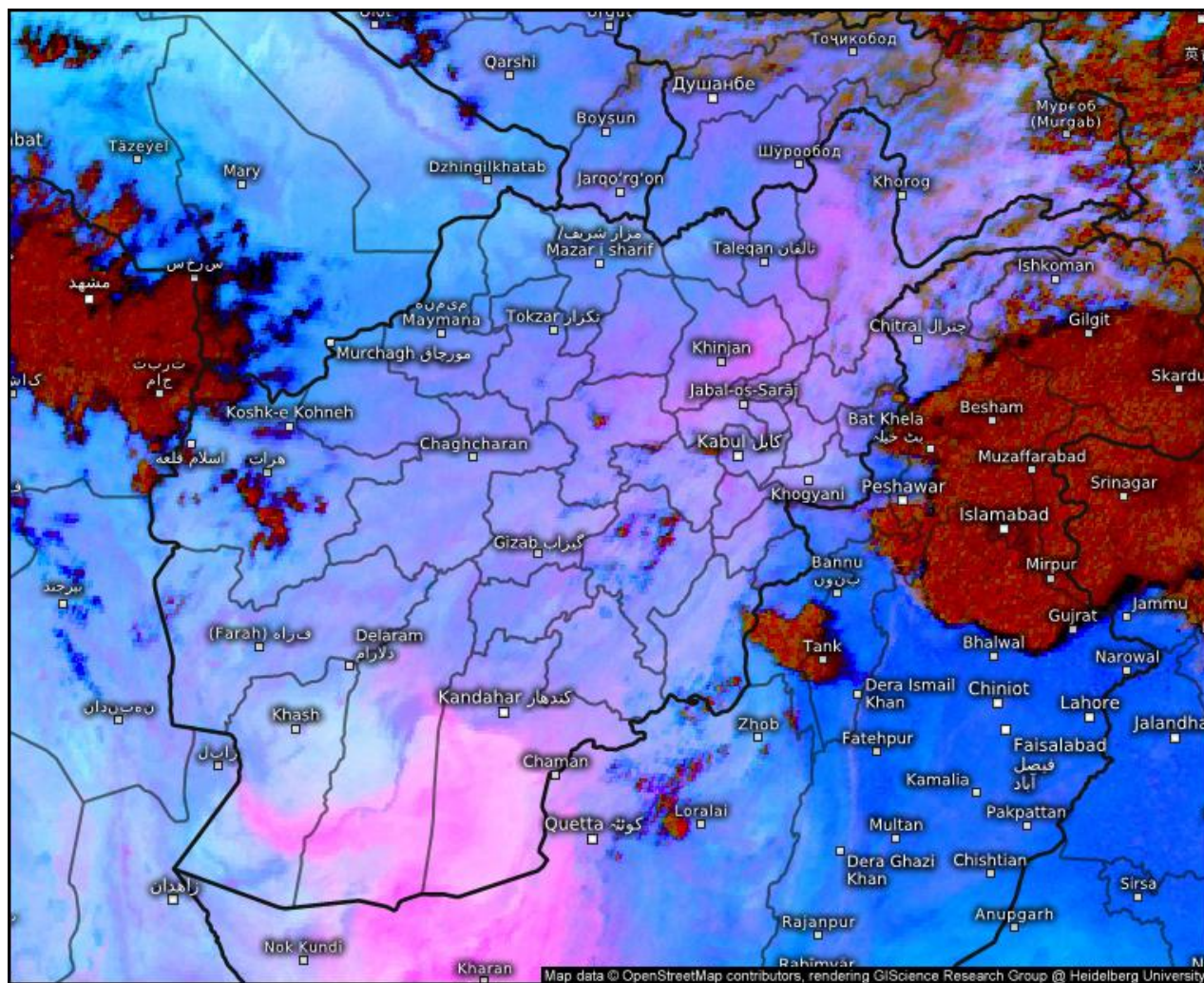


Warm Airmass
(low UTH)

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

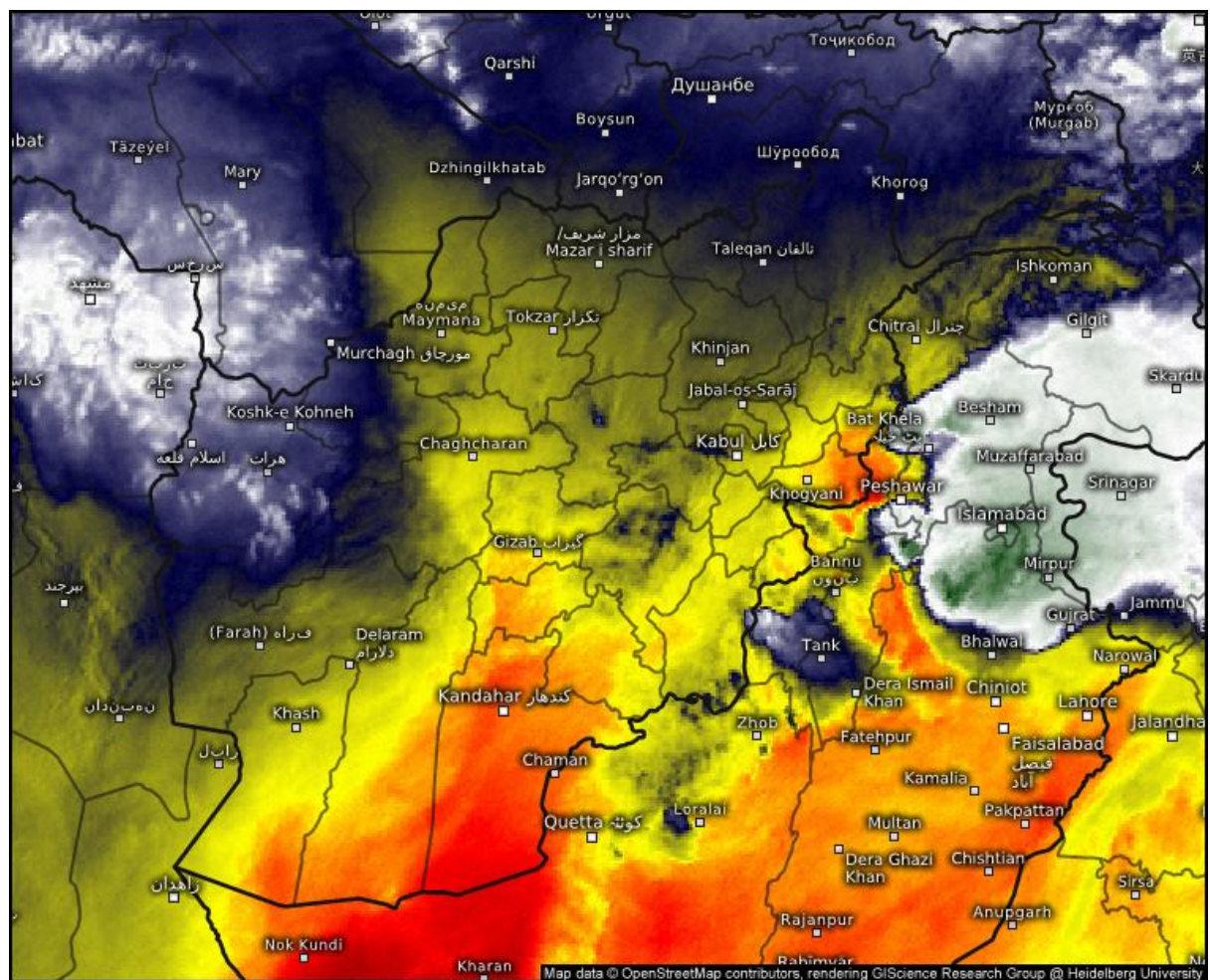
Sat 05/24/2025, 01:30pm GMT+0430

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Afghanistan

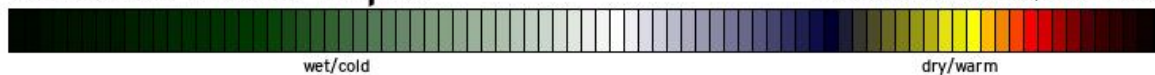
meteologix.com

Satellite data: EUMETSAT



Satellite Water Vapor

Sat 05/24/2025, 01:30pm GMT+0430



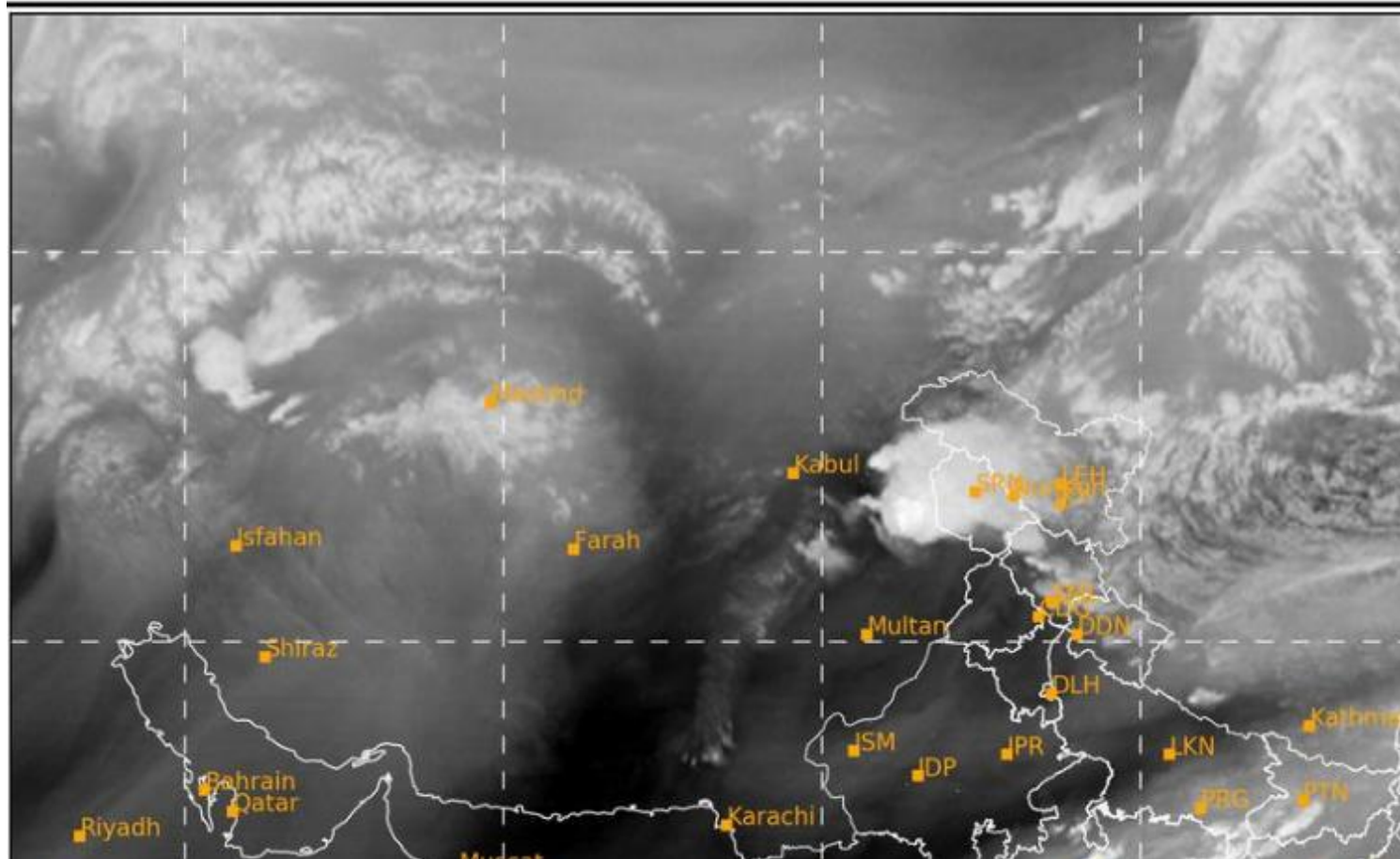
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 Afghanistan

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Satellite data: EUMETSAT

SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

24-05-2025/(0815 to 0842) GMT
24-05-2025/(1345 to 1412) IST



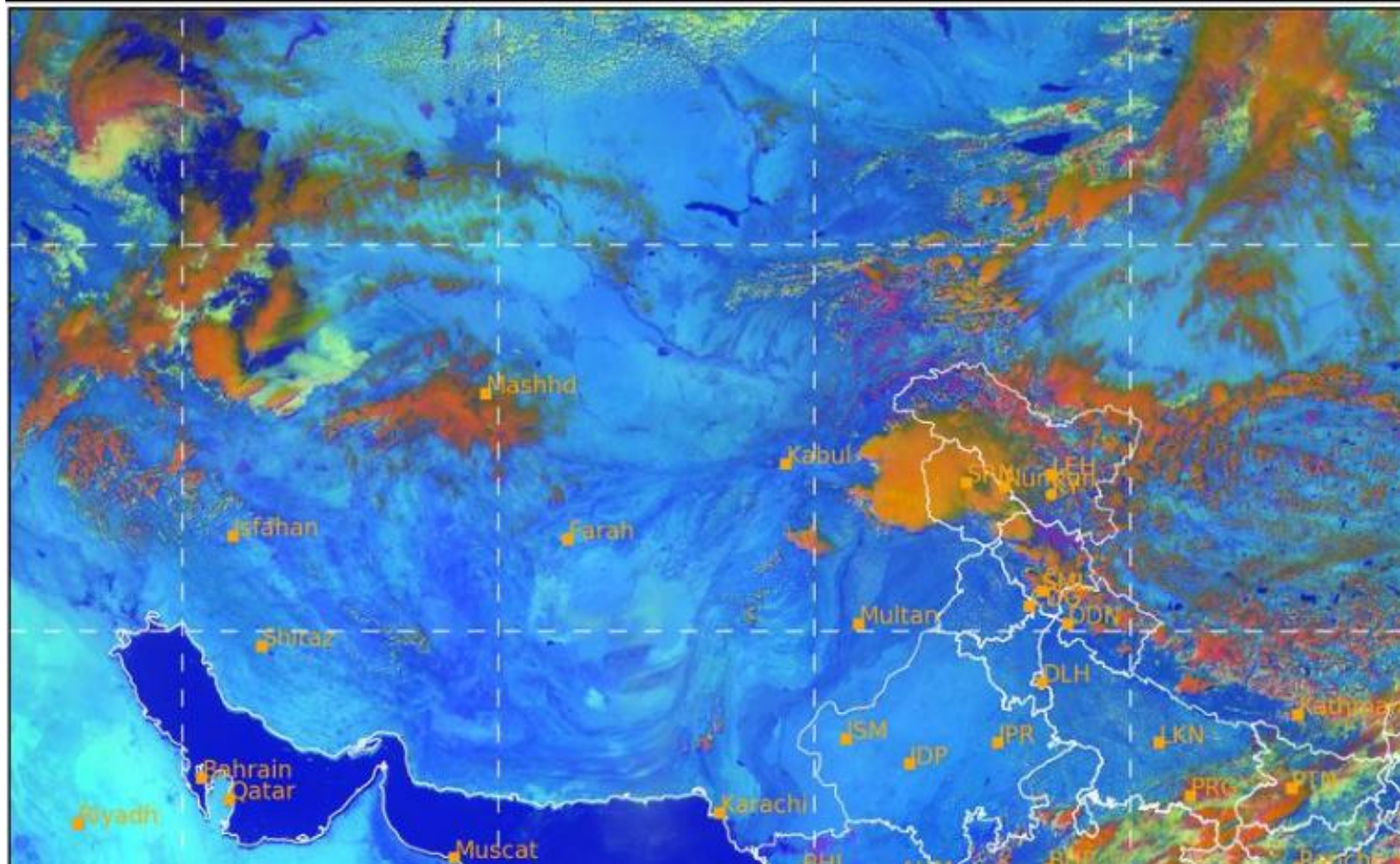
SAT : INSAT-3DR IMG

24-05-2025/(0815 to 0842) GMT

Day Microphysics: VIS_REFL (R), SWIR_REFL (G), TIR1_BT (B)

L1C Mercator

24-05-2025/(1345 to 1412) IST

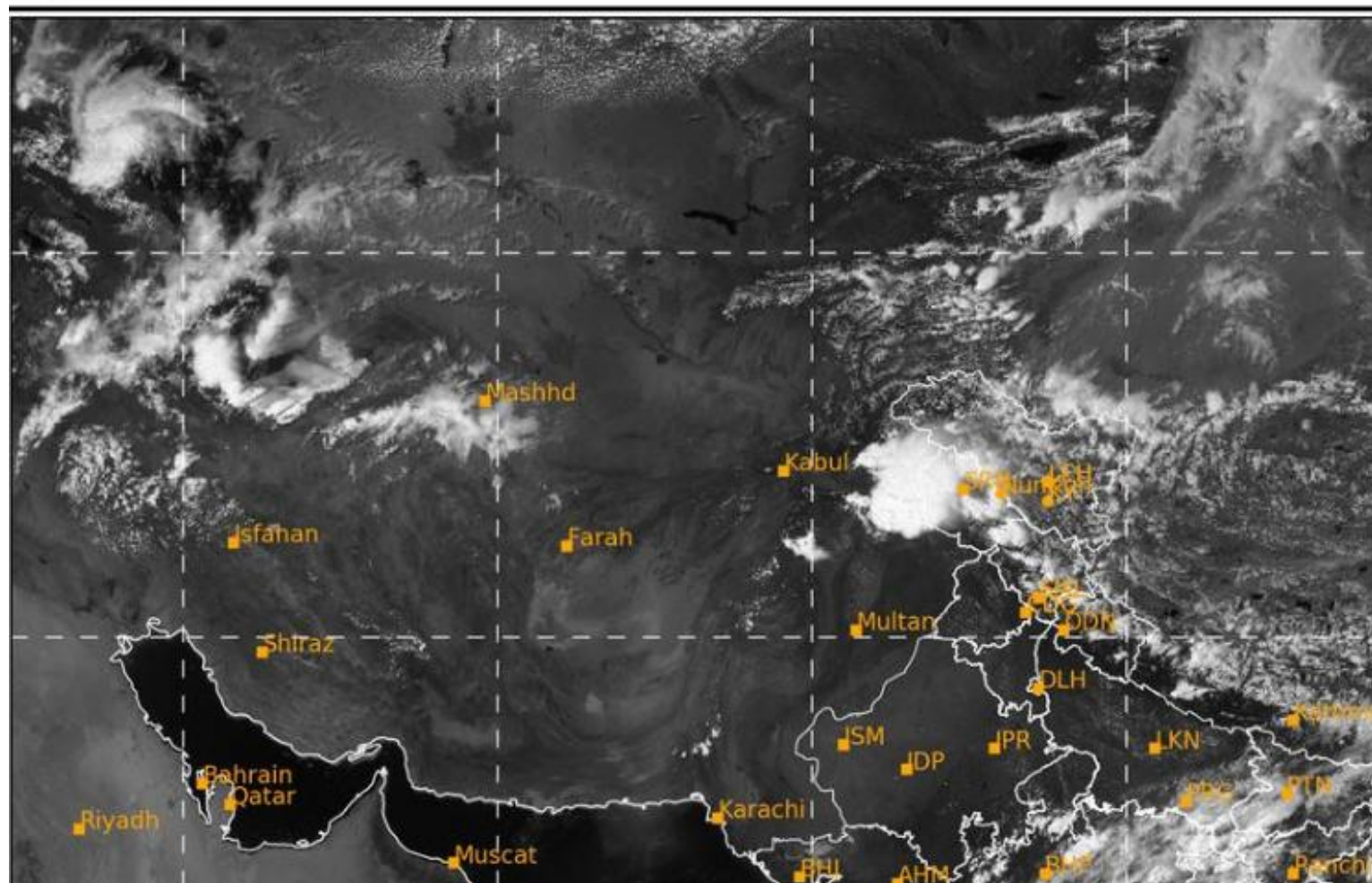


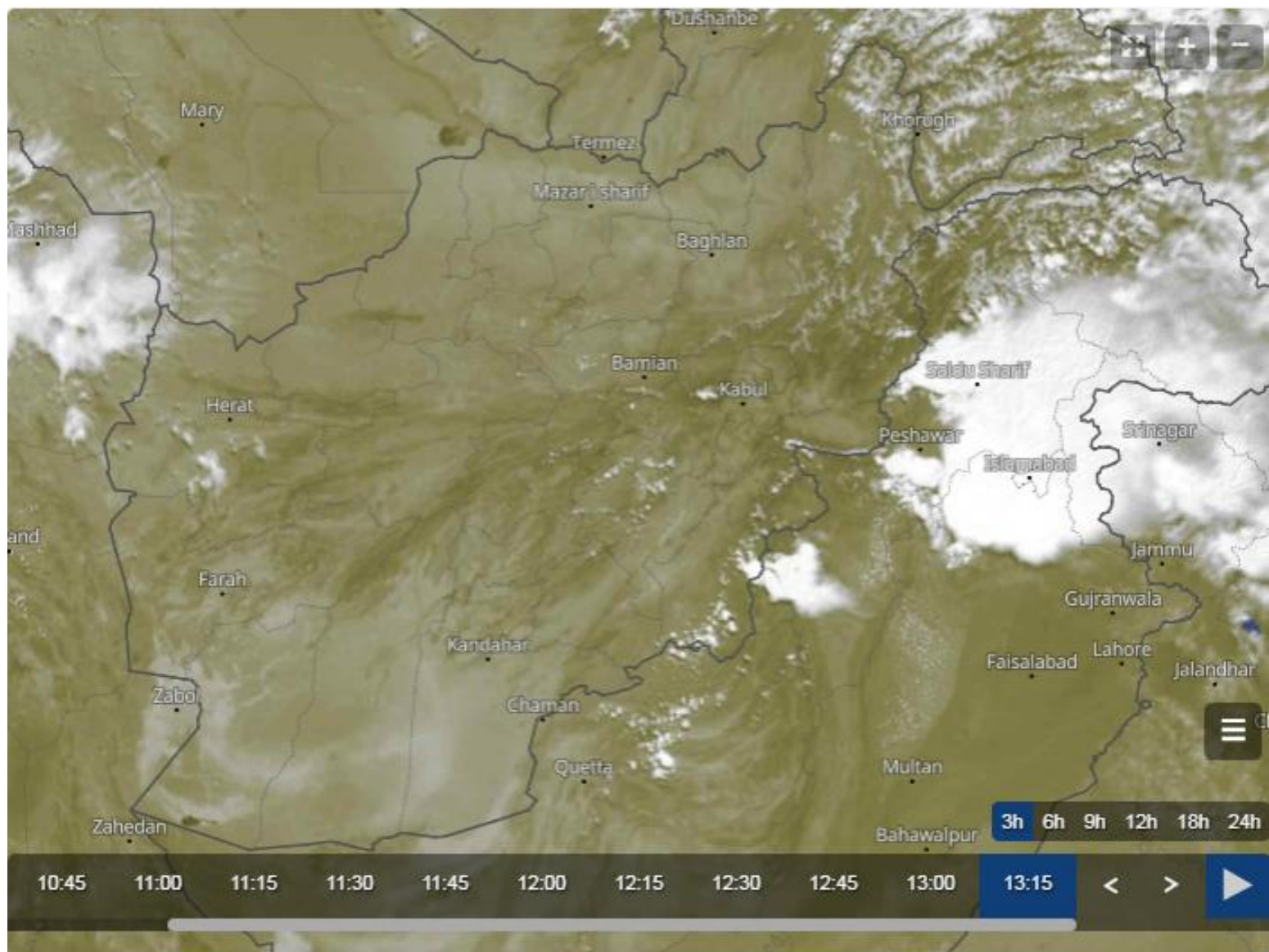
0 100% 0 60% 203 323K

Fog Low Clouds Mid Orographic Cloud CB Snow Dust

SAT : INSAT-3DR IMG
Visible Count 0.65 um
L1C Mercator

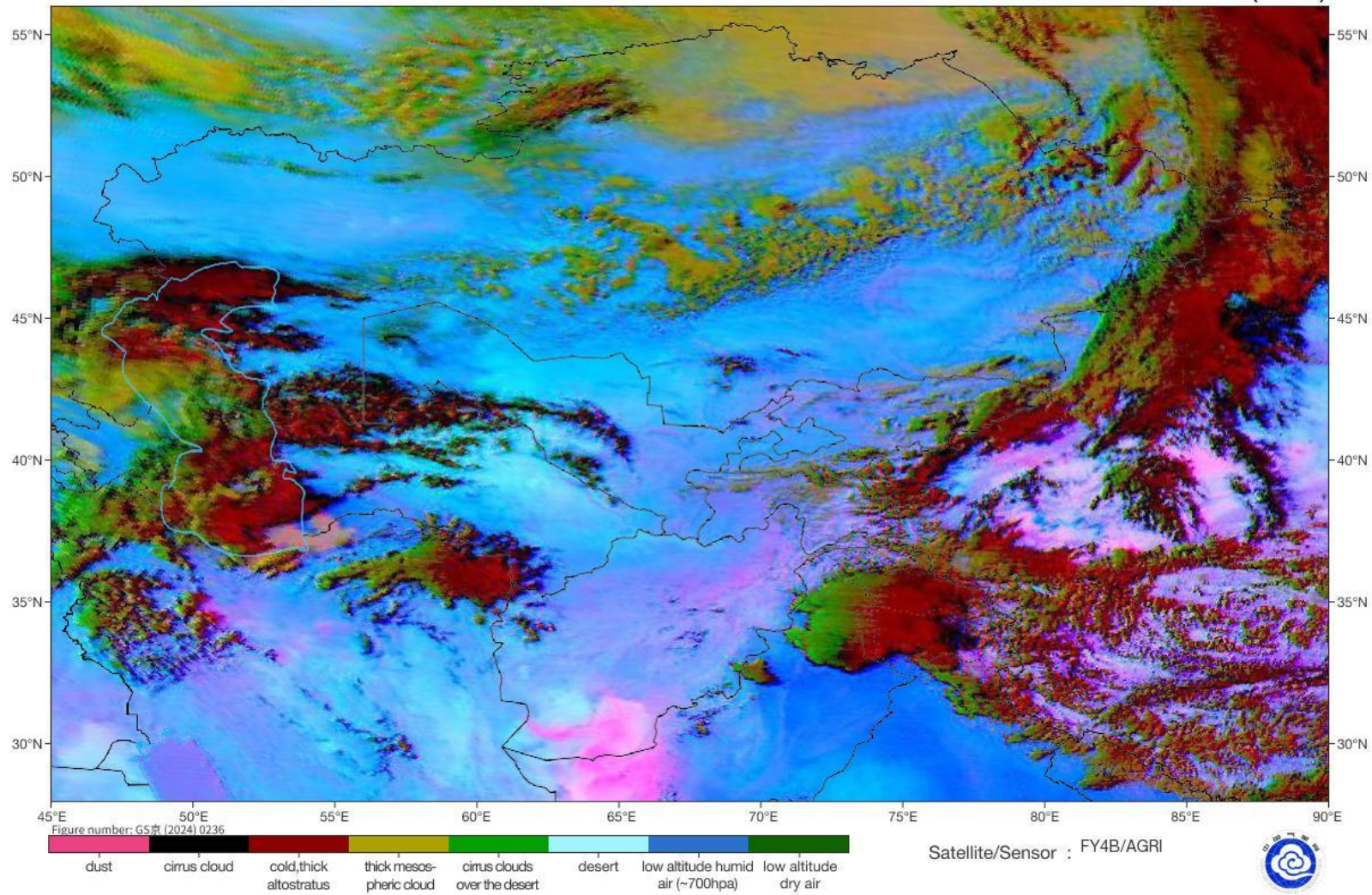
24-05-2025/(0815 to 0842) GMT
24-05-2025/(1345 to 1412) IST





Sand And Dust Identification

2025-05-24 09:00(UTC)



Cloud Top Height

2025-05-24 09:00(UTC)

