



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



Daily reports of Satellite imagery analysis. Date & Time: 22/09/2025, 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	√ weak	X	X	
2	South	X	X	X	X	X	√ weak	X	✓	
3	West	X	X	X	X	X	√ weak	X	X	
4	East	✓	X	X	✓	X	√ weak	X	X	
5	central	X	X	X	X	X	√ weak	X	X	
6	Northeast	✓	✓	X	X	X	√ weak	X	X	
7	Southeast	✓	X	X	X	X	√ weak	X	X	
8	Northwest	X	X	X	X	X	√ weak	X	X	
9	Southwest	X	✓	X	X	X	√ weak	X	X	

Details: according to satellite imagery analysis the eastern, northeastern and southeastern areas have weak worm air mass (High UTH). The northern, northeastern and southwestern areas have dust storm. The eastern area has partly cloudy sky. The all regions have weak water vapor. The southern area has jet stream.

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

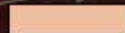
Reported by: Mohammad Jawed Moradi

UTC : 2025-09-22 08:45

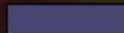
AirMass



Thick,
high-level cloud



Thick,
mid-level cloud



Thick,
low-level cloud



Jet



Cold Airmass



Warm Airmass
(high UTH)



Warm Airmass
(low UTH)

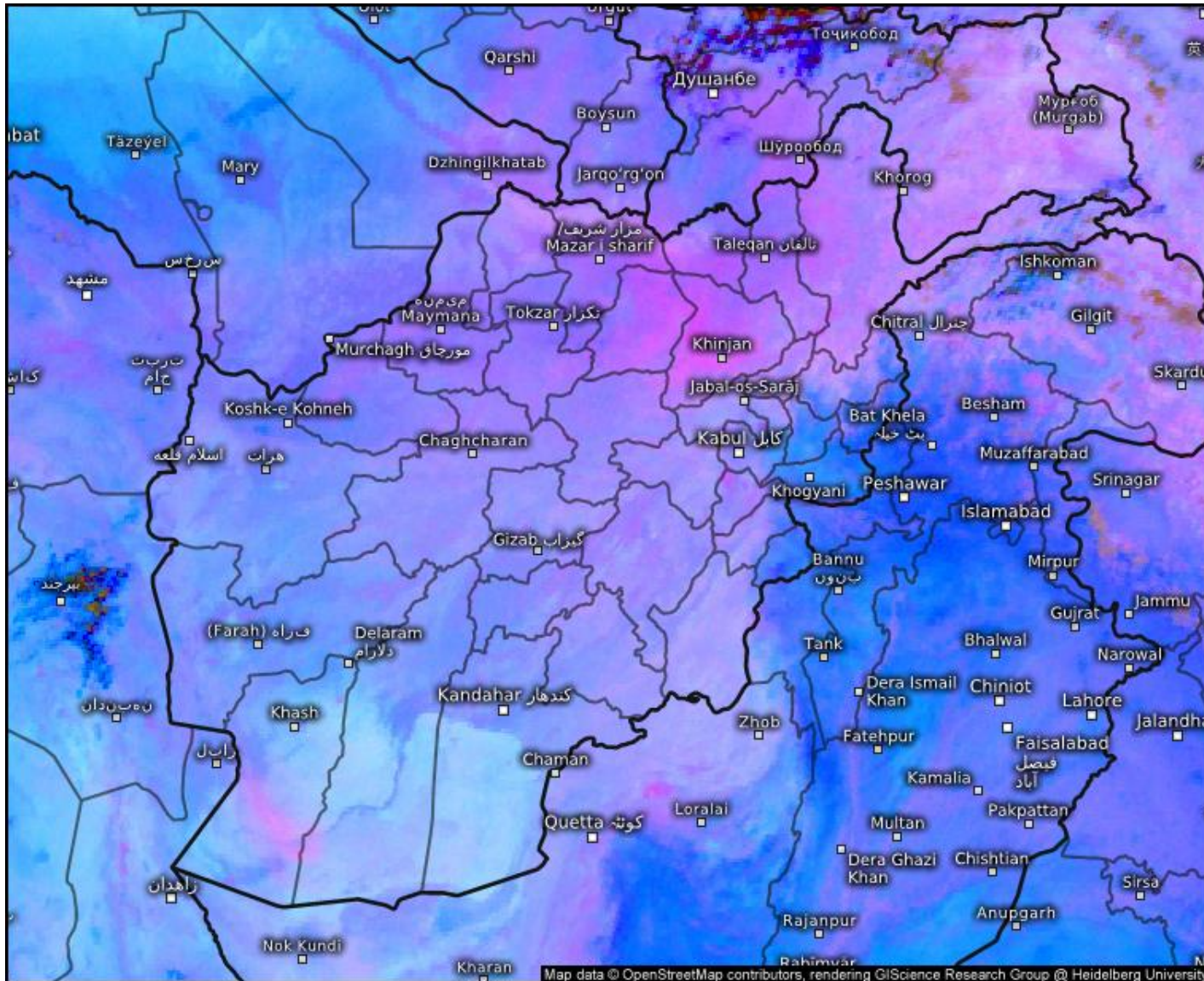
R = WV (6.25) - WV (7.1)

G = IR (8.5) - IR (10.8)

B = WV (6.25)

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust

Mon 09/22/2025, 01:30pm GMT+0430

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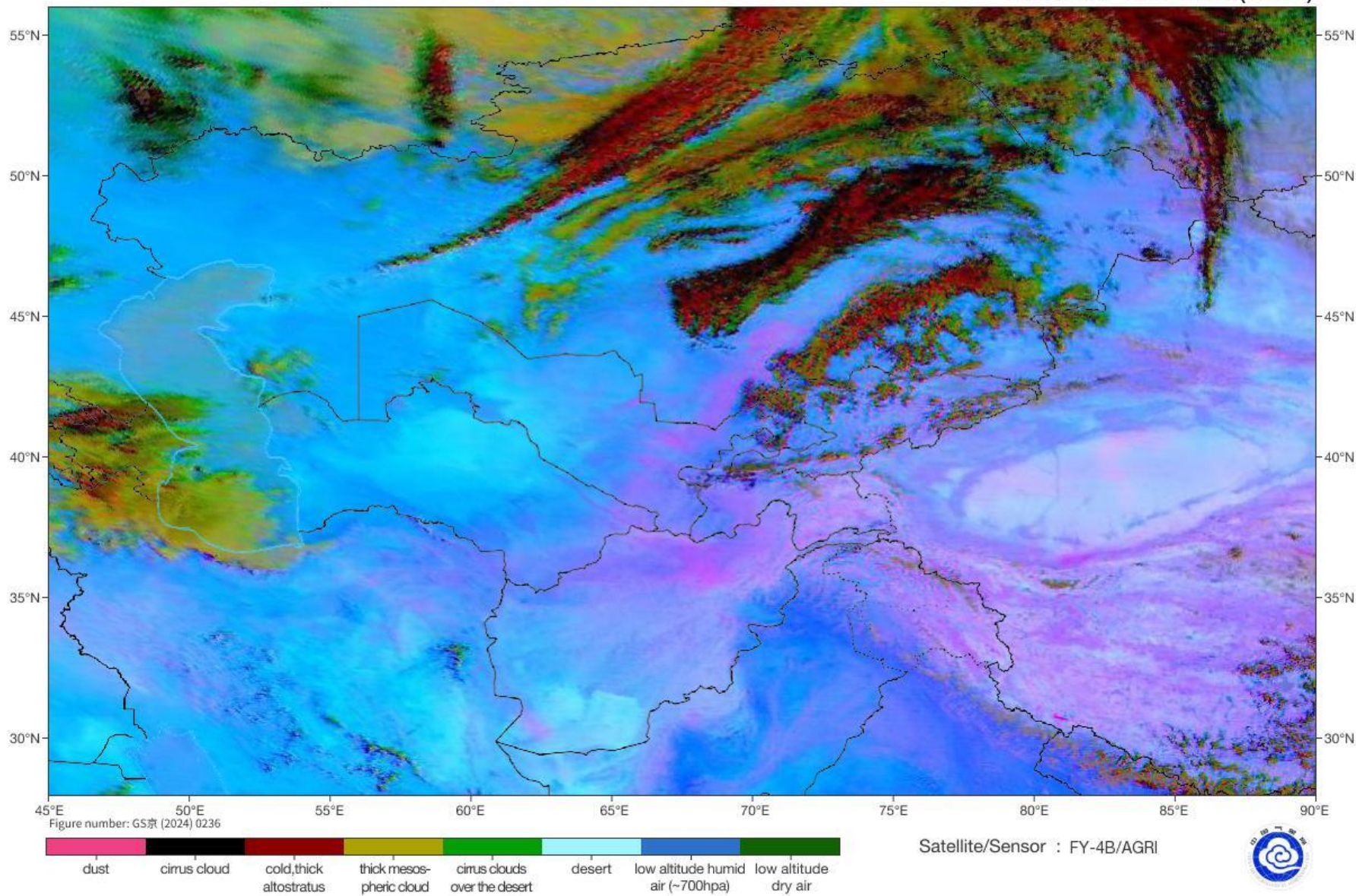
Afghanistan

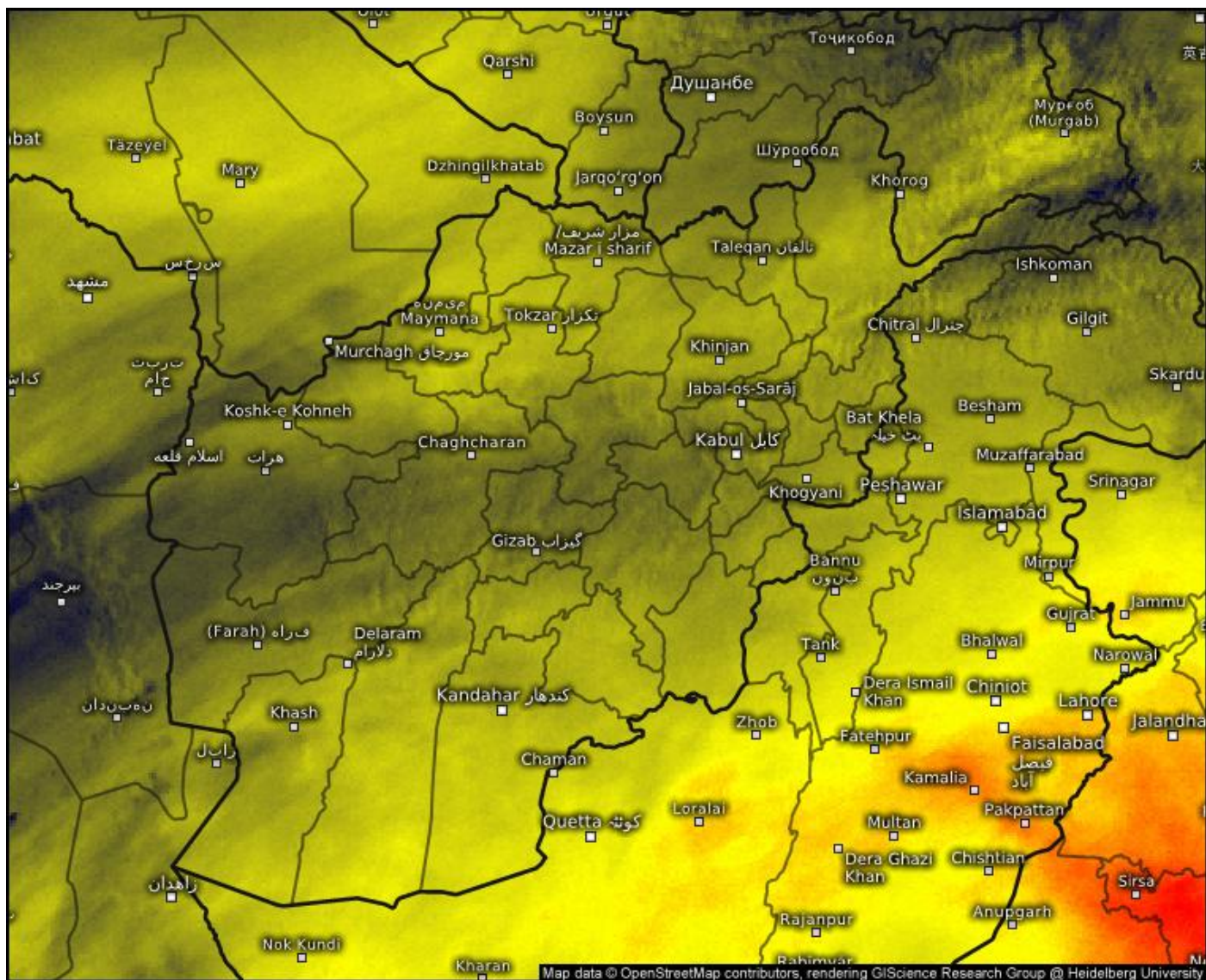
meteologix.com

Satellite data: EUMETSAT

Sand And Dust Identification

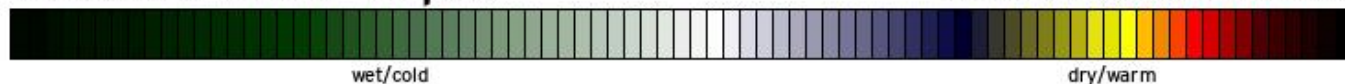
2025-09-22 09:00(UTC)





Satellite Water Vapor

Mon 09/22/2025, 01:30pm GMT+0430



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 Afghanistan

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Satellite data: EUMETSAT

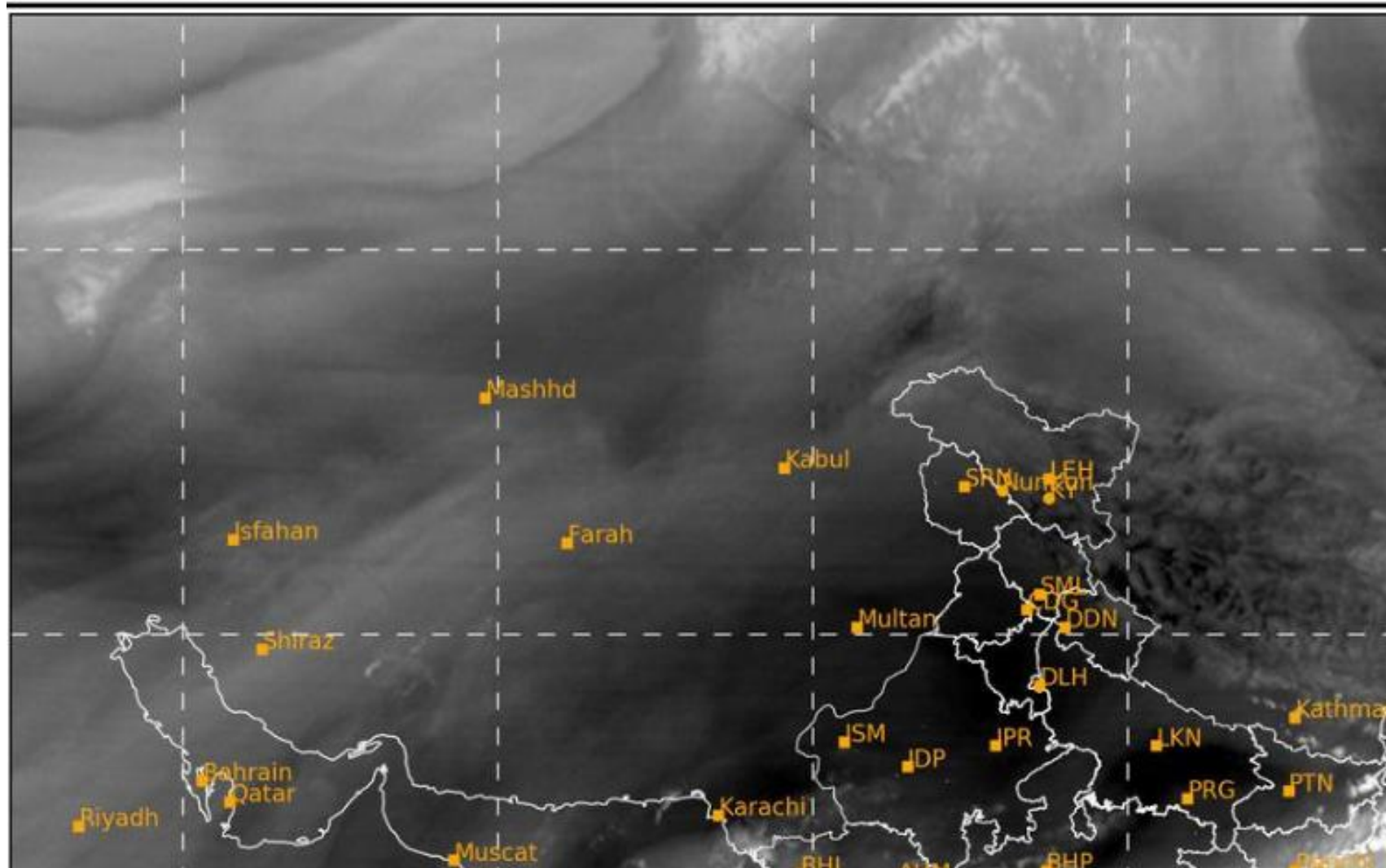
SAT : INSAT-3DR IMG

IMG_WV 6.8 um

L1C Mercator

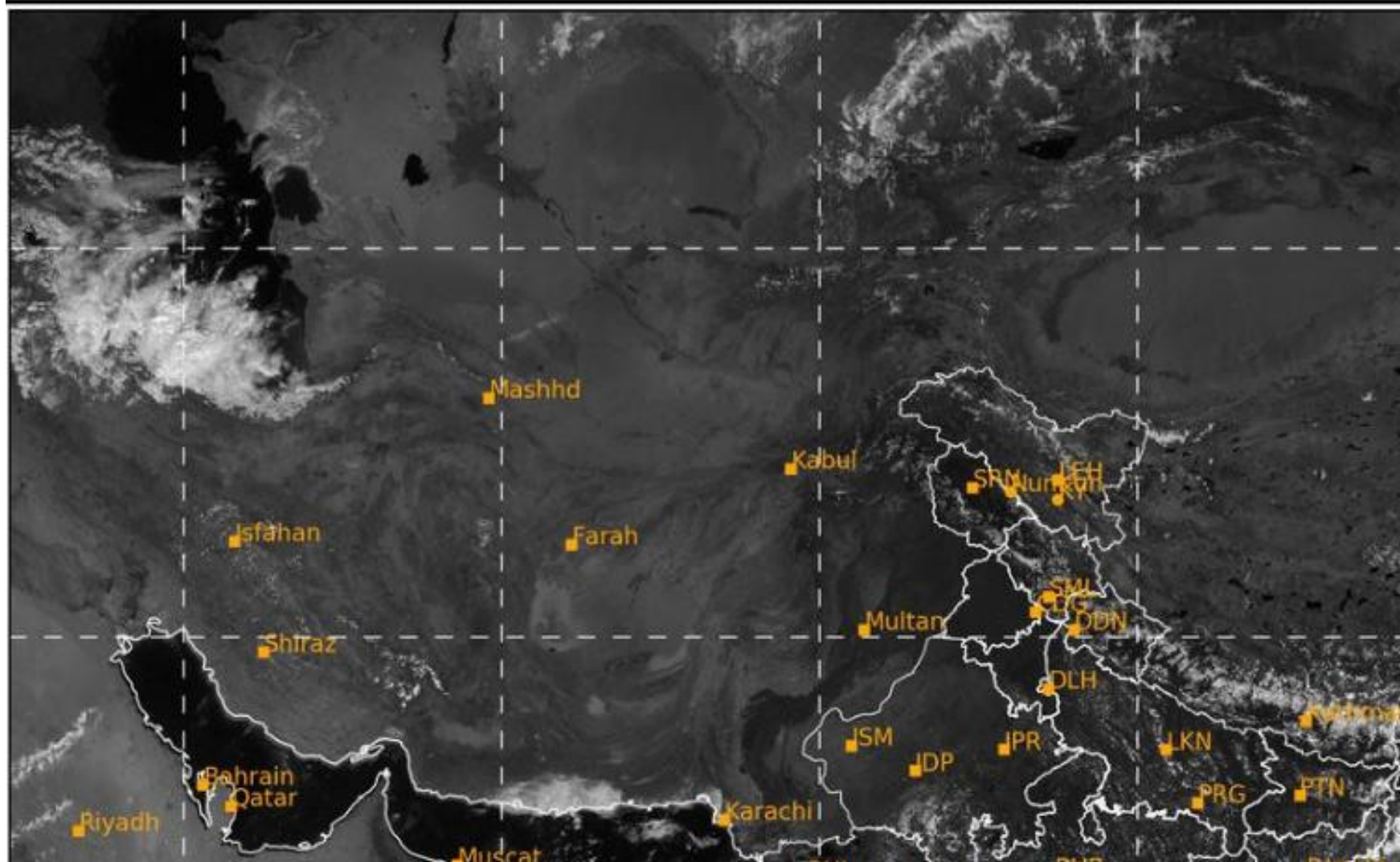
22-09-2025/(0745 to 0812) GMT

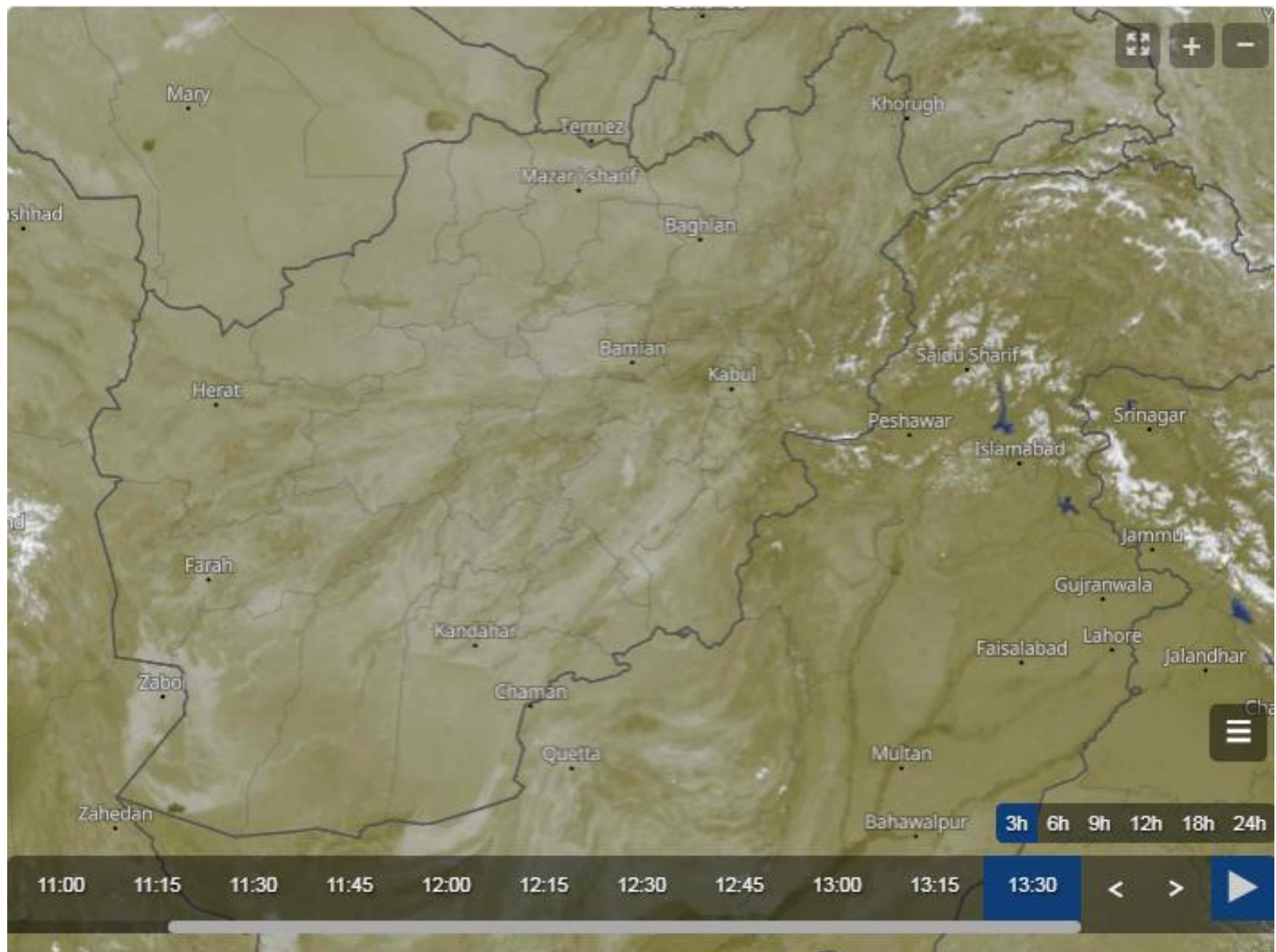
22-09-2025/(1315 to 1342) IST



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

22-09-2025/(0745 to 0812) GMT
22-09-2025/(1315 to 1342) IST





Land Surface Temperature

2025-09-22 09:00(UTC)

