



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



Daily reports of Satellite imagery analysis. Date & Time: 20/08/2025, 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	√ weak	X	X	
3	West	✓	✓	X	X	X	√ weak	X	X	
4	East	✓	X	X	✓	X	√ weak	X	X	
5	central	✓	✓	X	X	X	√ weak	X	X	
6	Northeast	✓	✓	X	X	X	√ weak	X	X	
7	Southeast	✓	✓	X	X	X	√ weak	X	X	
8	Northwest	✓	X	X	X	X	√ weak	X	X	
9	Southwest	X	✓	X	X	X	√ weak	X	X	

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

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

Reported by: Mohammad Jawed Moradi

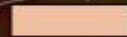
UTC : 2025-08-20 08:45

AirMass



Thick,

high-level cloud



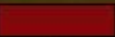
Thick,

mid-level cloud



Thick,

low-level cloud



Jet



Cold Airmass



Warm Airmass

(high UTH)



Warm Airmass

(low UTH)

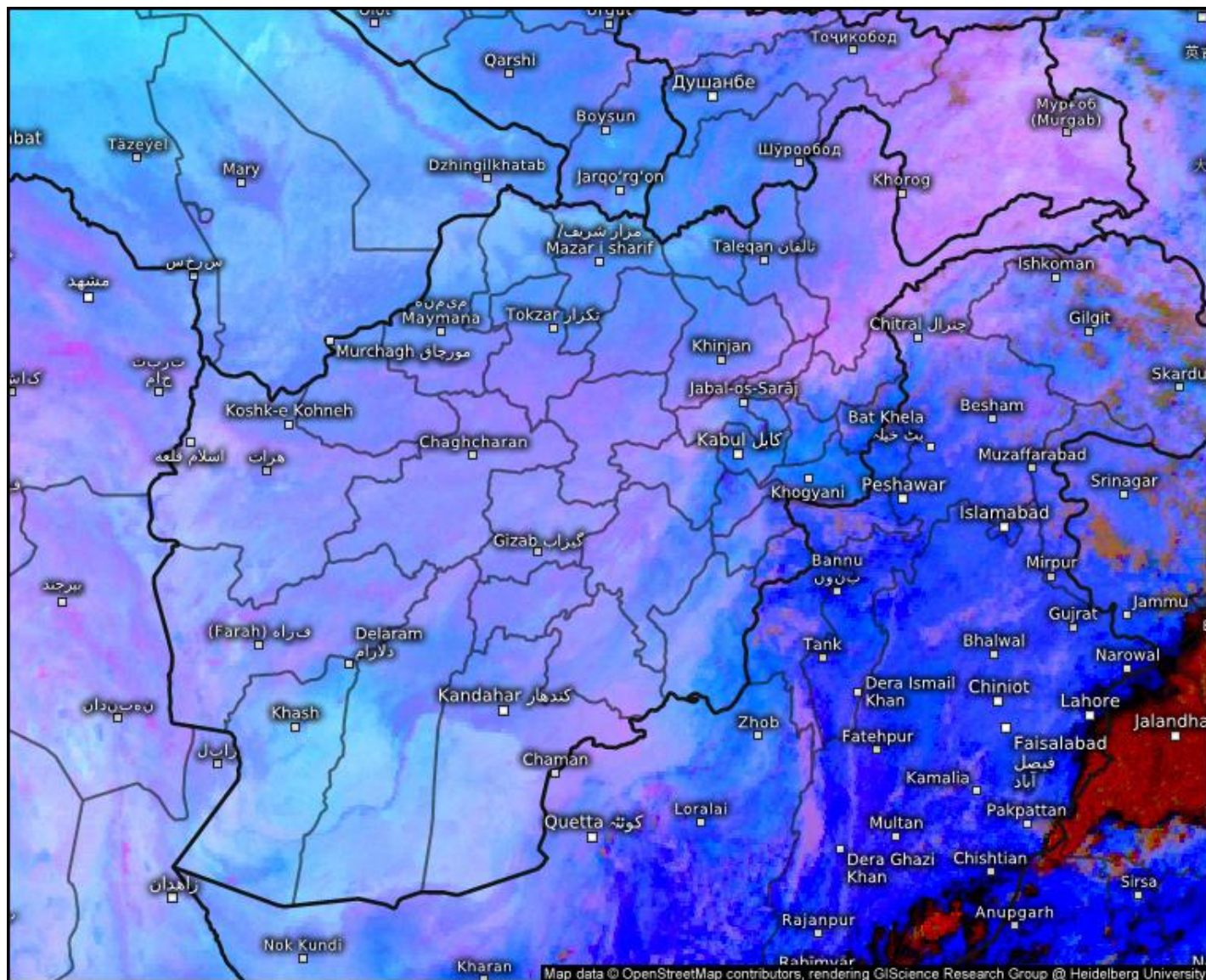
R = WV (6.25) - WV (7.1)

G = IR (8.5) - IR (10.8)

B = WV (6.25)

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust

Wed 08/20/2025, 01:30pm GMT+0430

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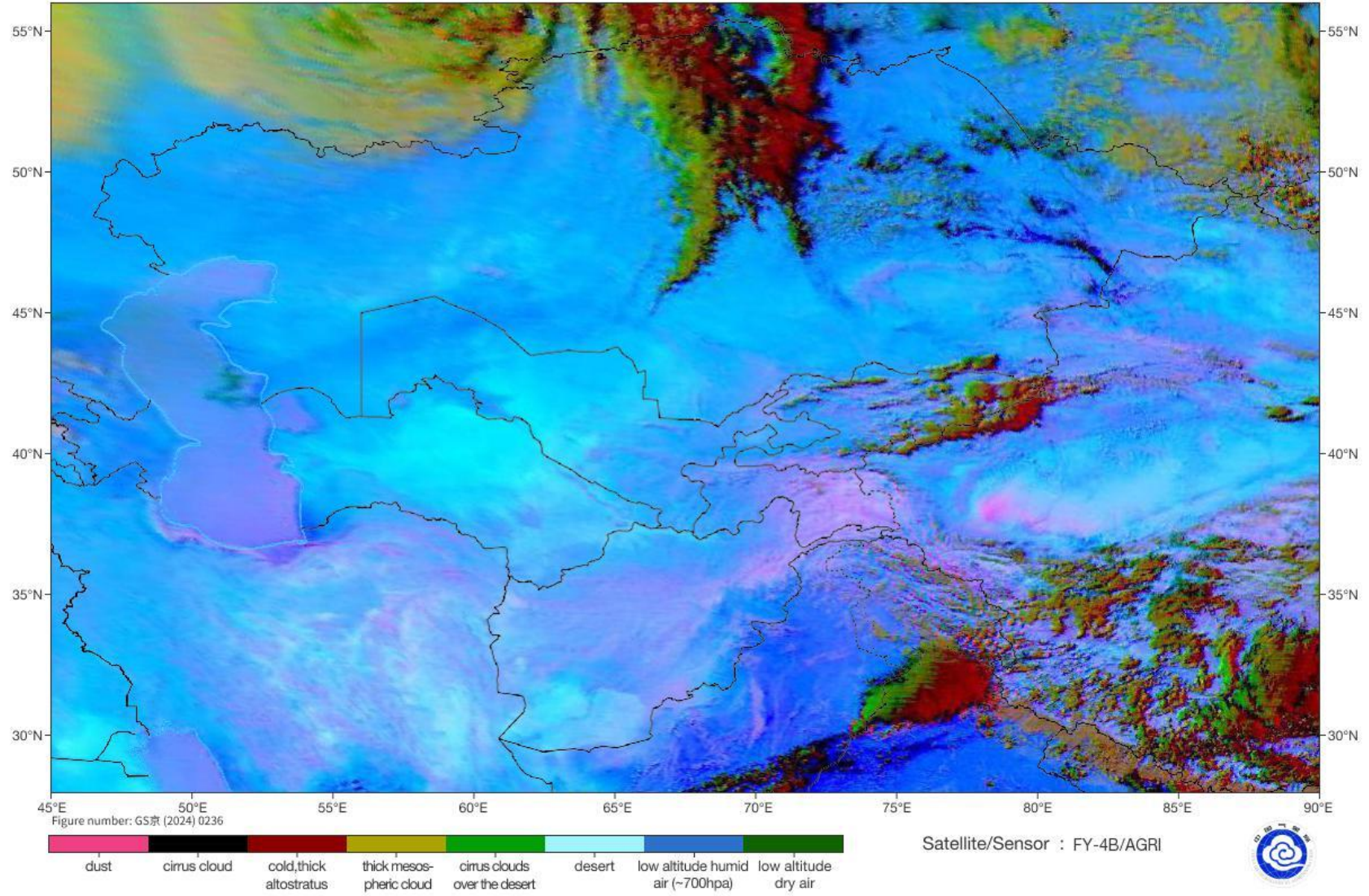
Afghanistan

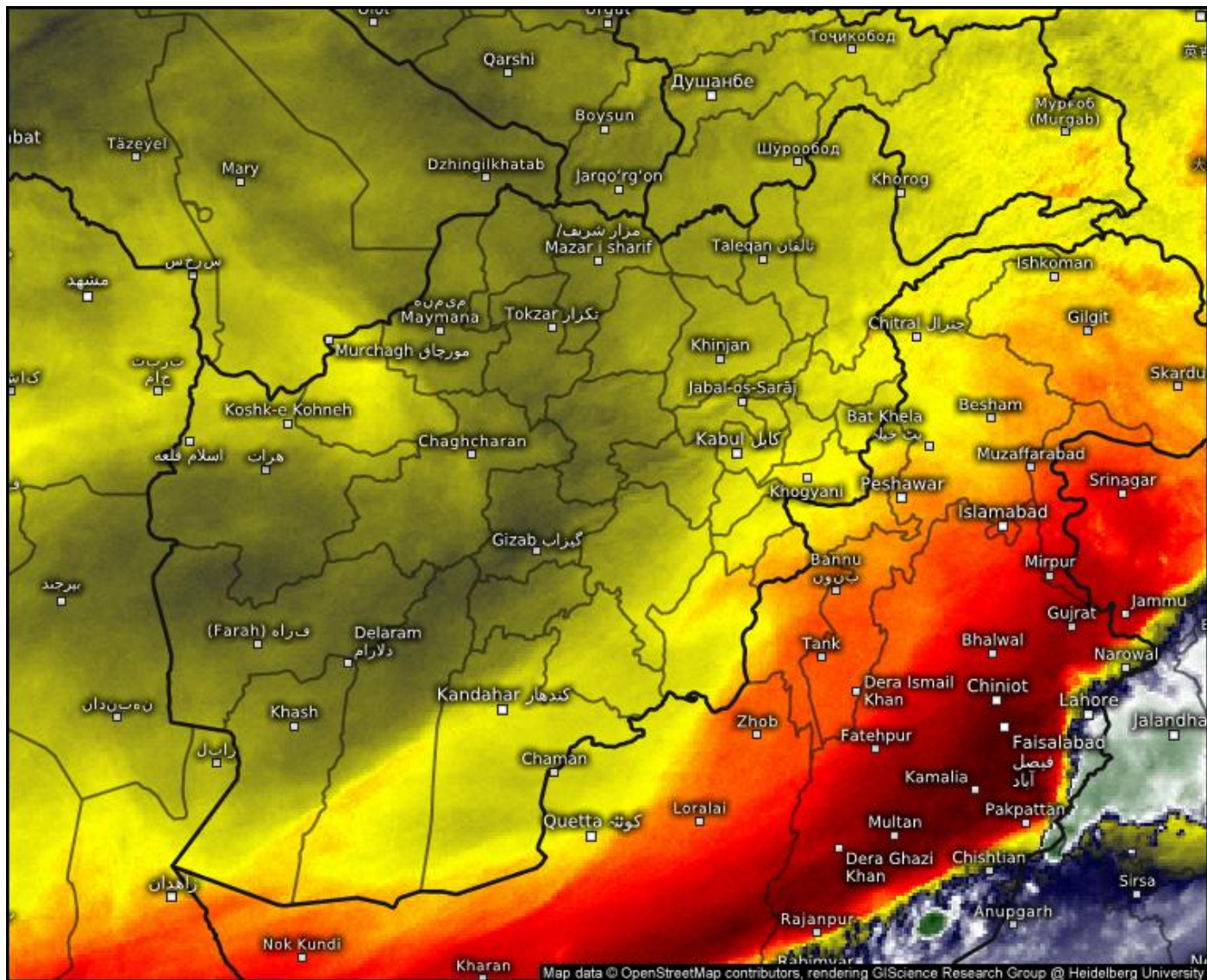
 **meteologix.com**

Satellite data: EUMETSAT

Sand And Dust Identification

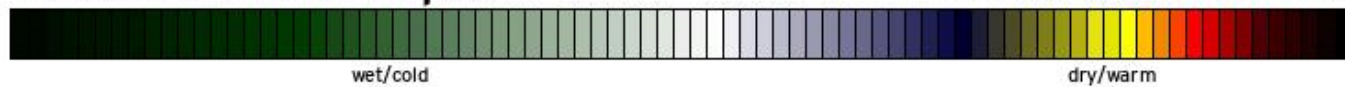
2025-08-20 09:00(UTC)





Satellite Water Vapor

Wed 08/20/2025, 01:30pm GMT+0430



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 Afghanistan

meteologix.com

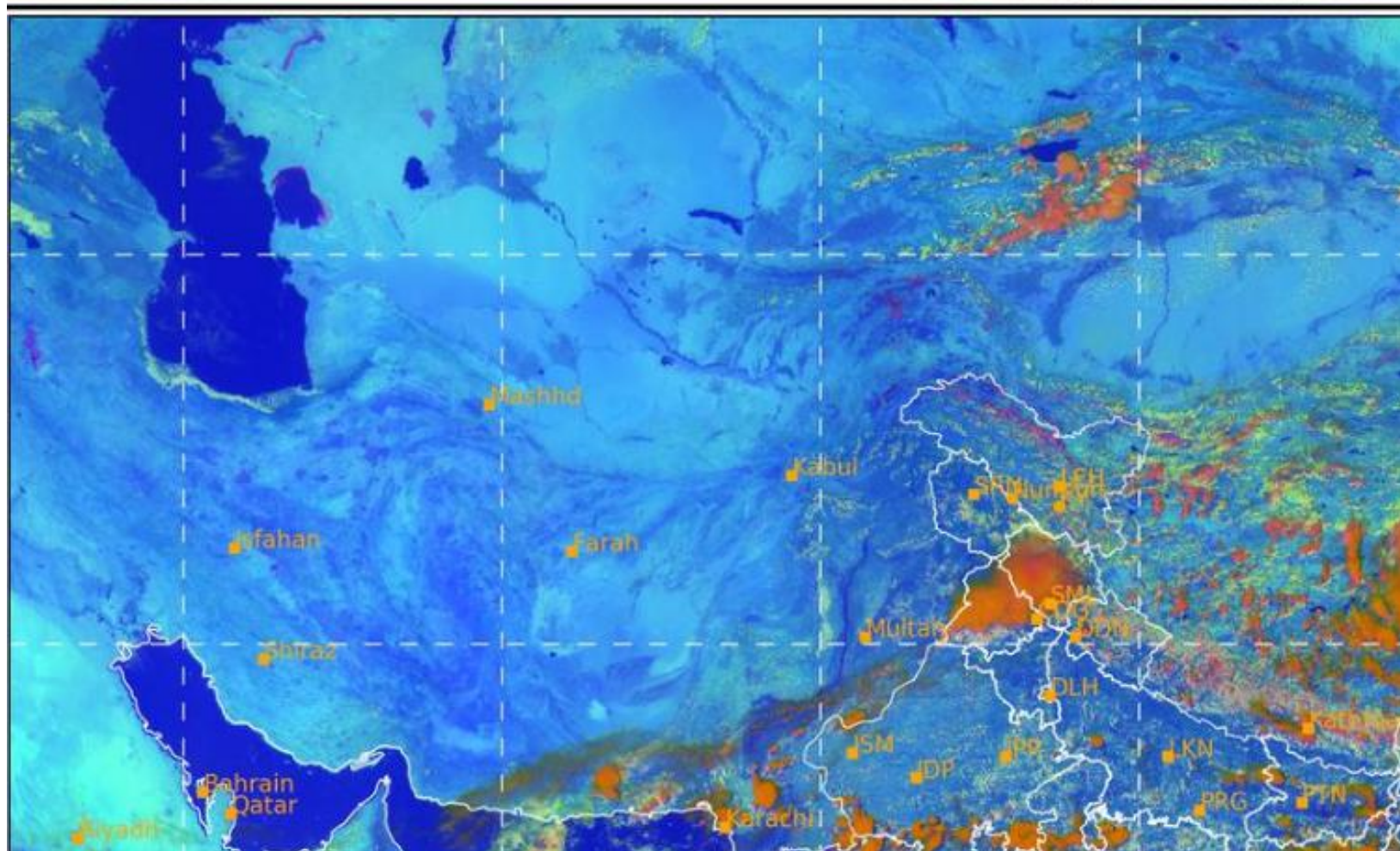
Satellite data: EUMETSAT

20-08-2025/(0815 to 0842) GMT

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

L1C Mercator

20-08-2025/(1345 to 1412) IST



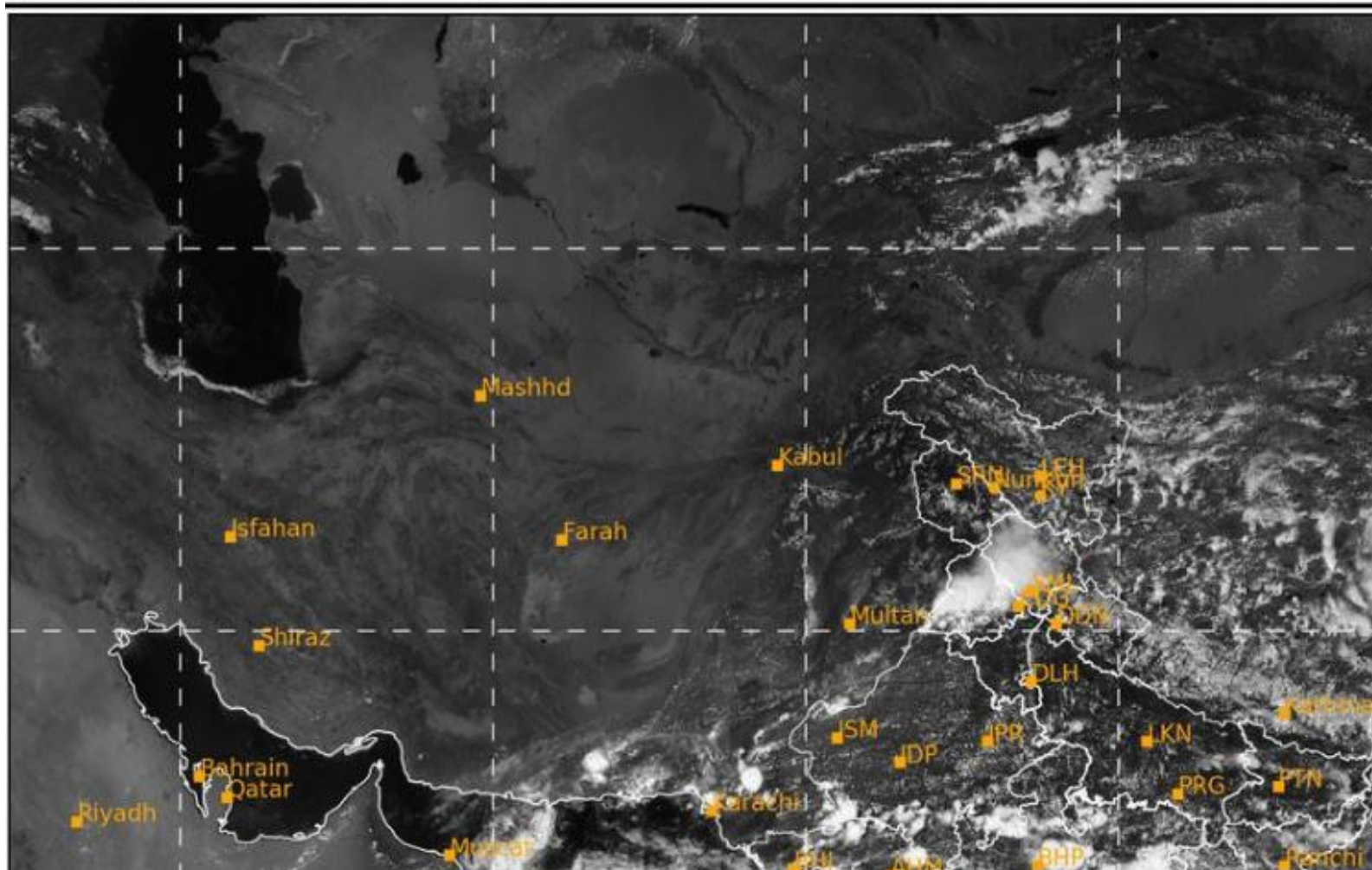
0	100% 0	60% 203	323K
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Fog Low Clouds Mid Orographic Cloud CB Snow Dust

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

20-08-2025/(0815 to 0842) GMT
20-08-2025/(1345 to 1412) IST



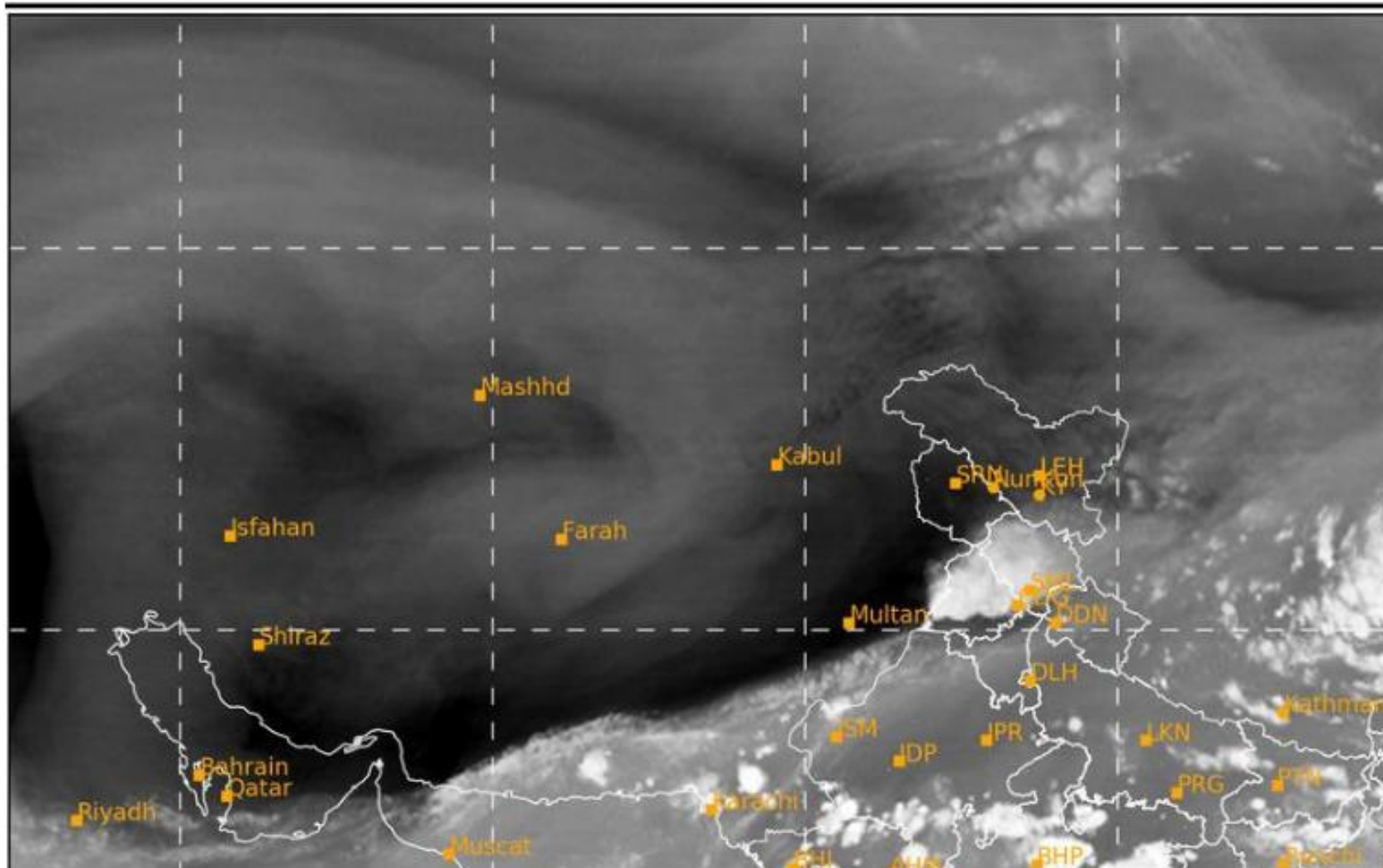
SAT : INSAT-3DR IMG

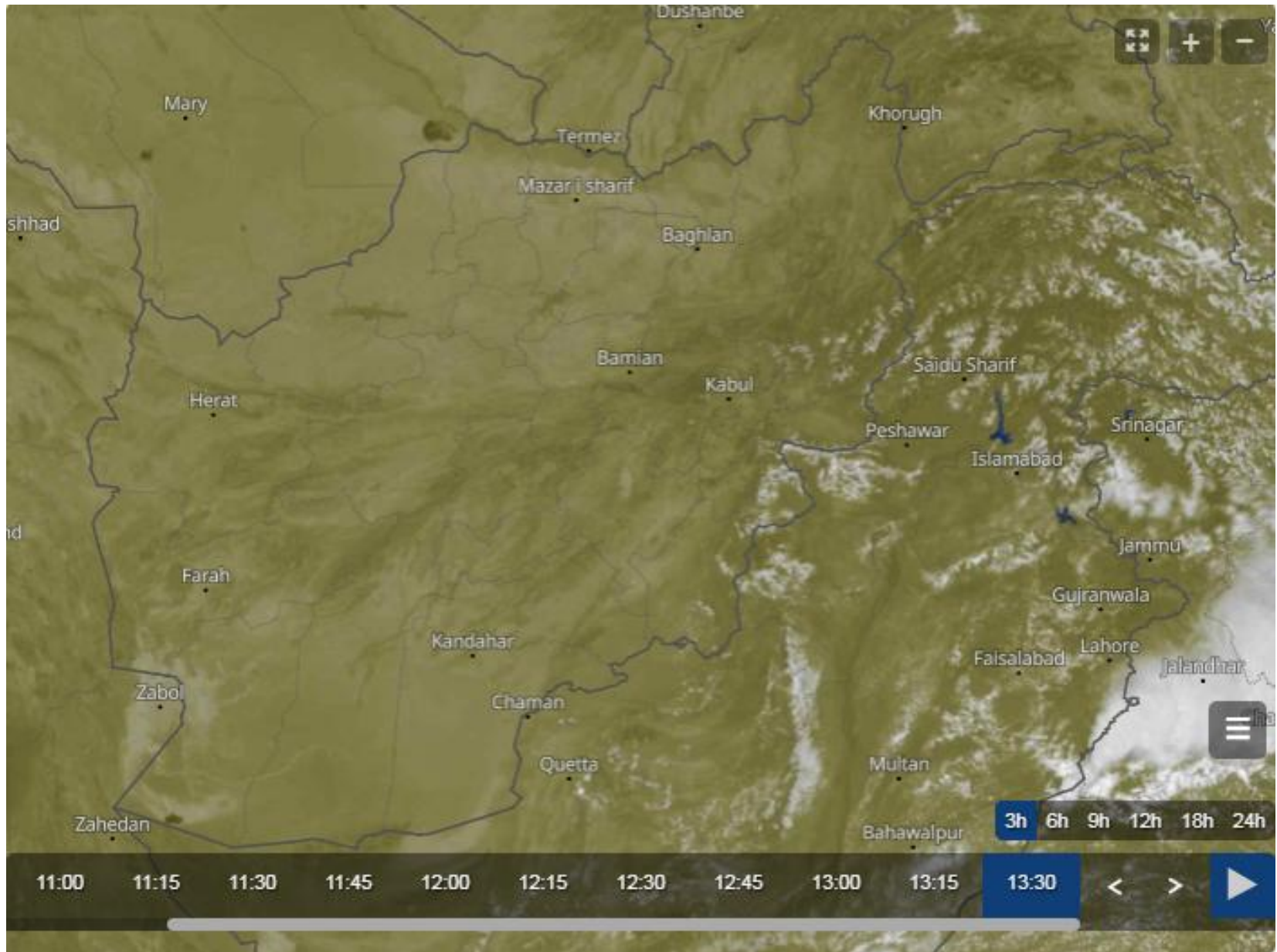
IMG_WV 6.8 um

L1C Mercator

20-08-2025/(0815 to 0842) GMT

20-08-2025/(1345 to 1412) IST





Land Surface Temperature

2025-08-20 09:15(UTC)

