



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



Daily reports of Satellite imagery analysis. Date & Time: 18/05/2025, 0900 UTC, Number of reports: 983

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

**Details:** according to satellite imagery analysis the northern, southern, central, northeastern, northwestern and southwestern areas have warm air mass  
 The northern, southern and southwestern areas have dust storm but the western, central and northeastern areas have dust. The northern, eastern, central and northeastern areas have partly cloudy sky. The northeastern area has moderate water vapor but the western area is dry the rest areas have weak water vapor.

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

- Reported by: Mohammad Jawed Moradi

UTC : 2025-05-18 08:45

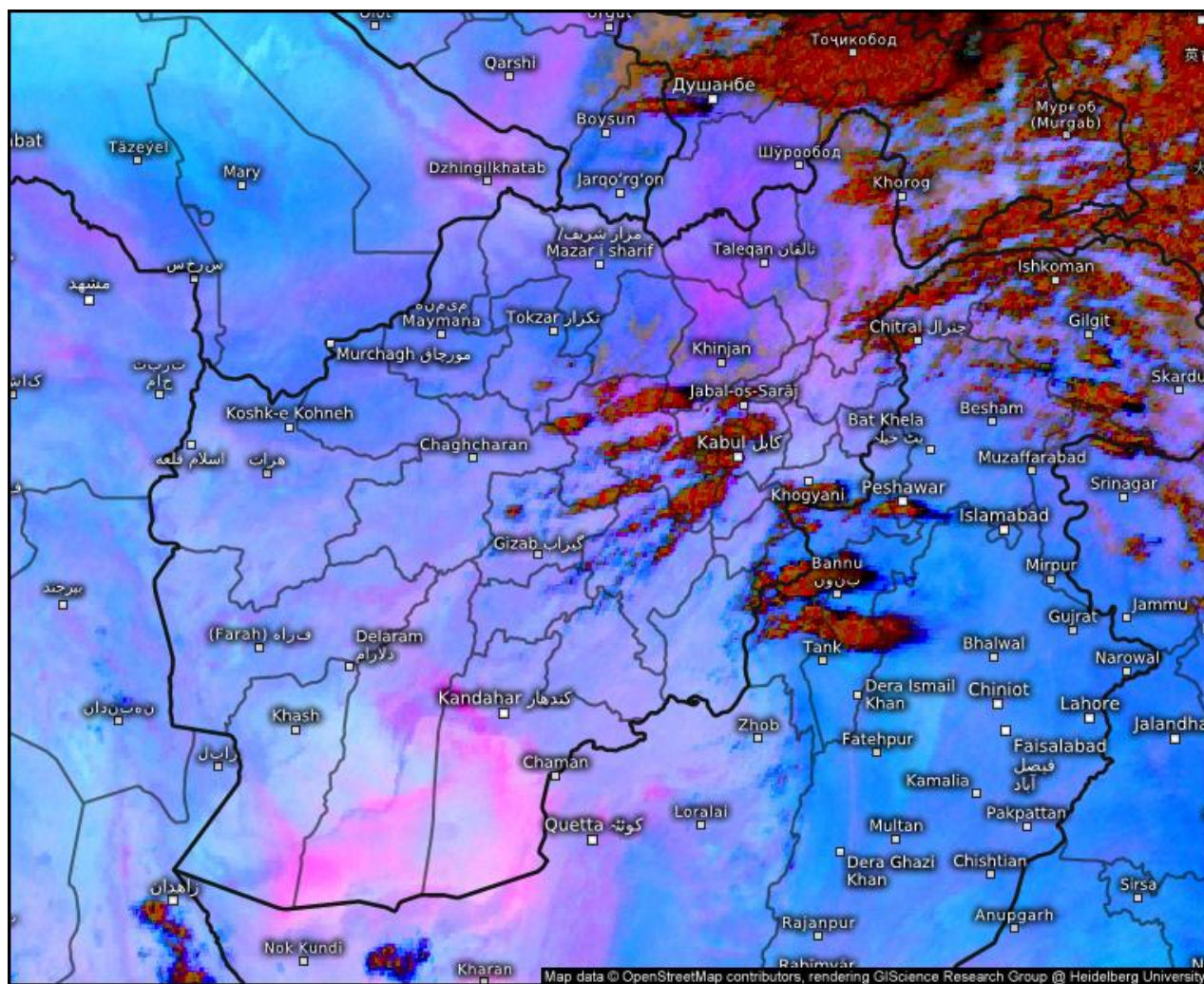
AirMass

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

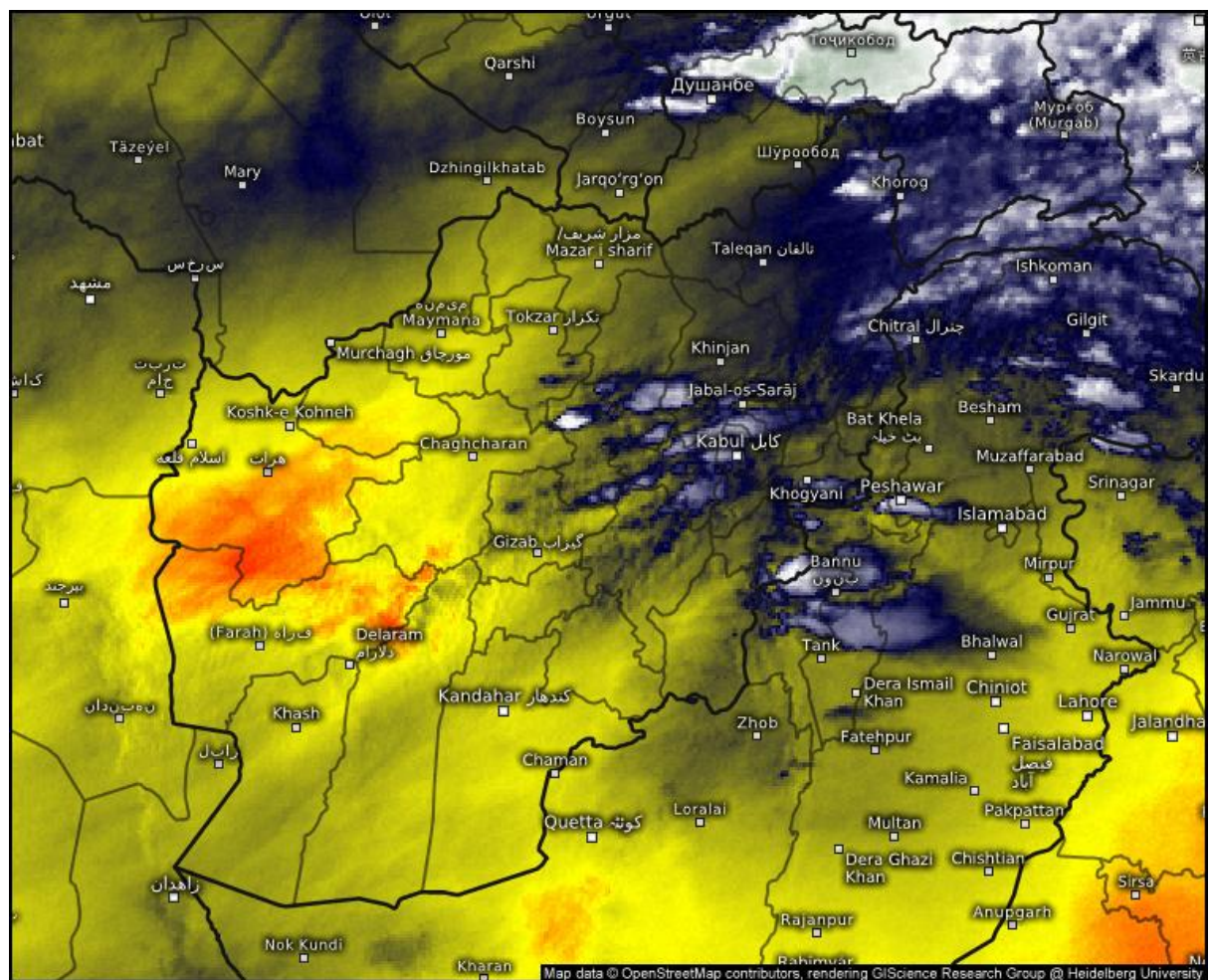
Sun 05/18/2025, 01:30pm GMT+0430

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Afghanistan

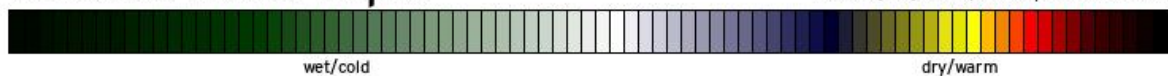
 **meteologix.com**

Satellite data: EUMETSAT



## Satellite Water Vapor

Sun 05/18/2025, 01:30pm GMT+0430



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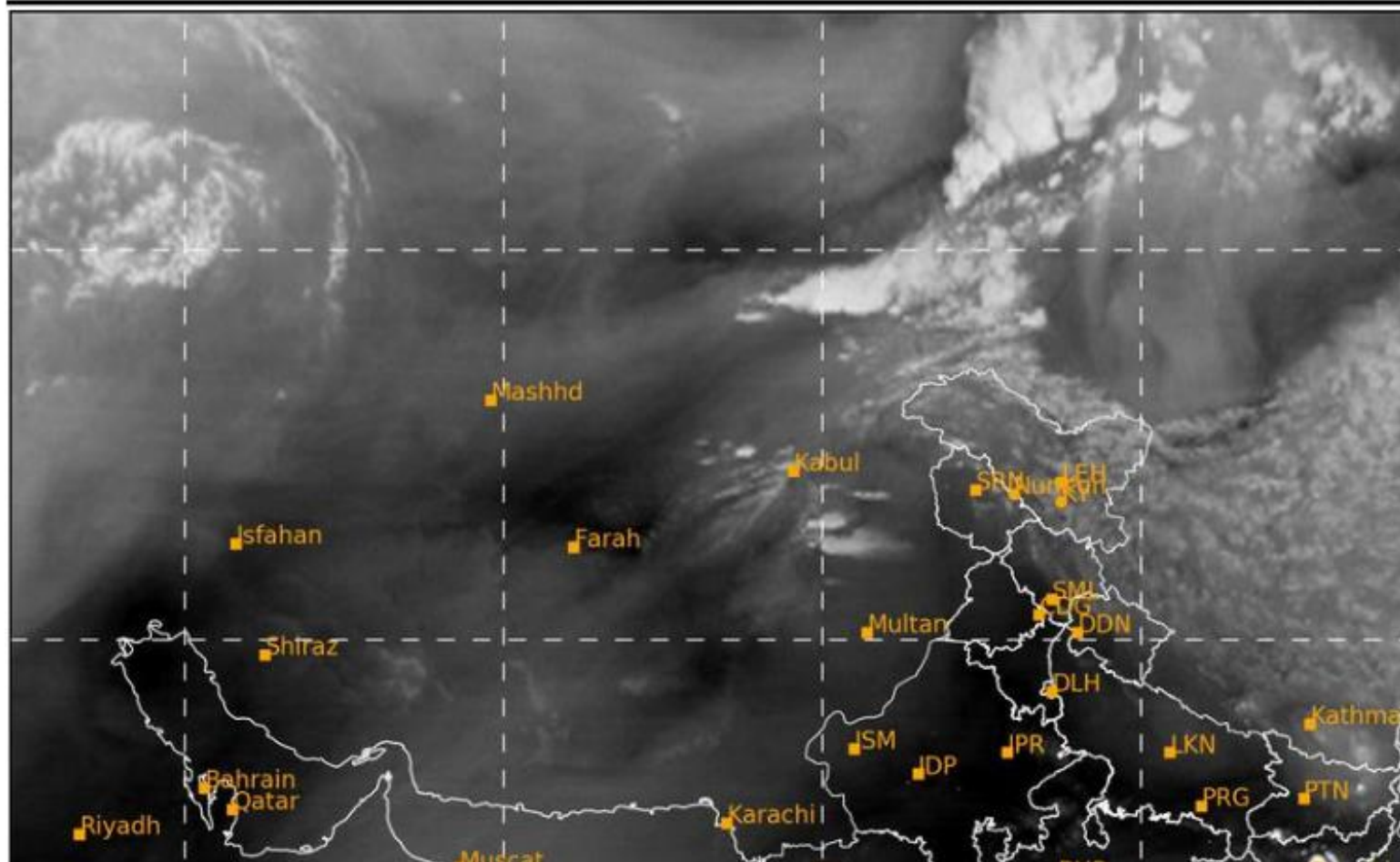
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Afghanistan

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Satellite data: EUMETSAT

SAT : INSAT-3DR IMG  
IMG\_WV 6.8 um  
L1C Mercator

18-05-2025/(0815 to 0842) GMT  
18-05-2025/(1345 to 1412) IST



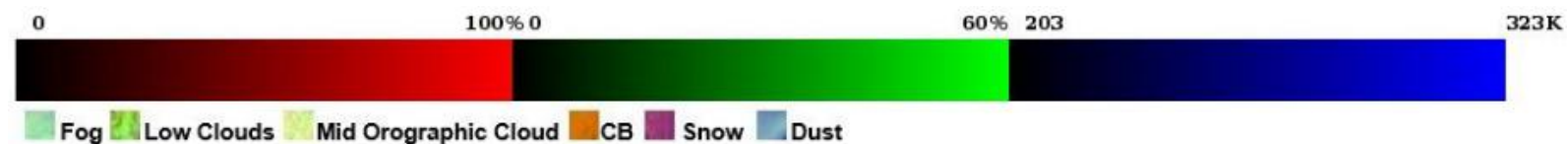
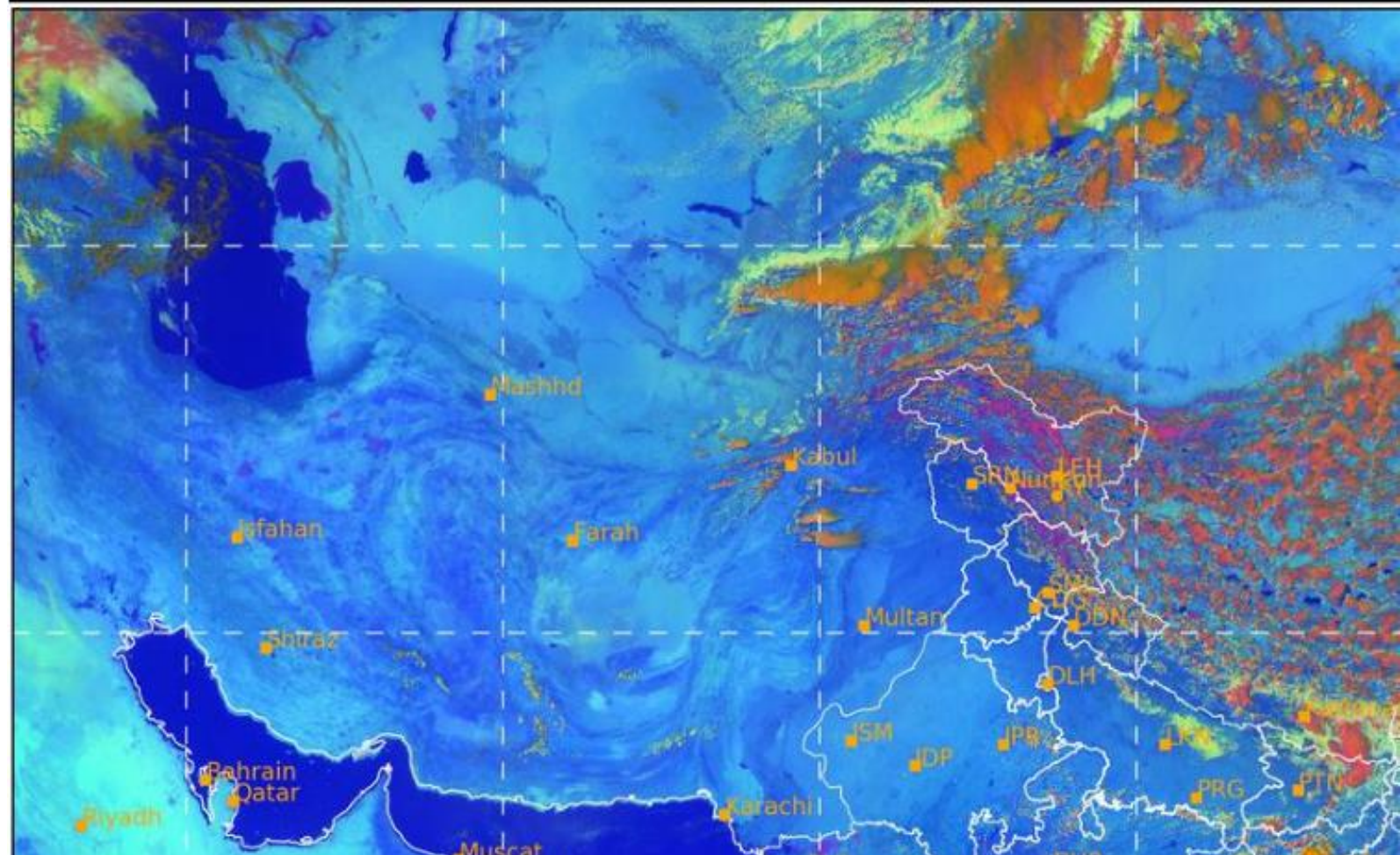
SAT : INSAT-3DR IMG

18-05-2025/(0815 to 0842) GMT

Day Microphysics: VIS\_REFL (R), SWIR\_REFL (G), TIR1\_BT (B)

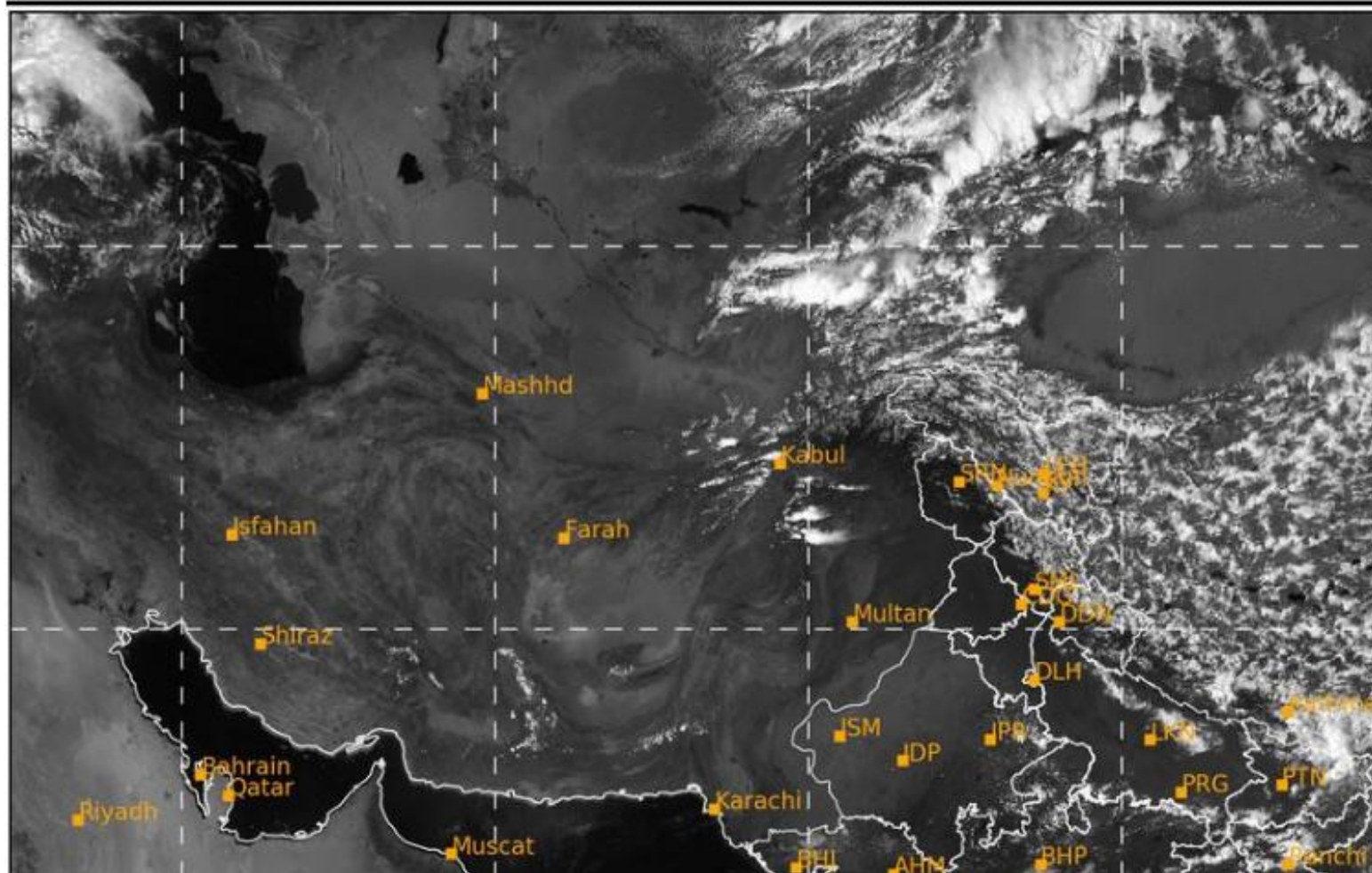
L1C Mercator

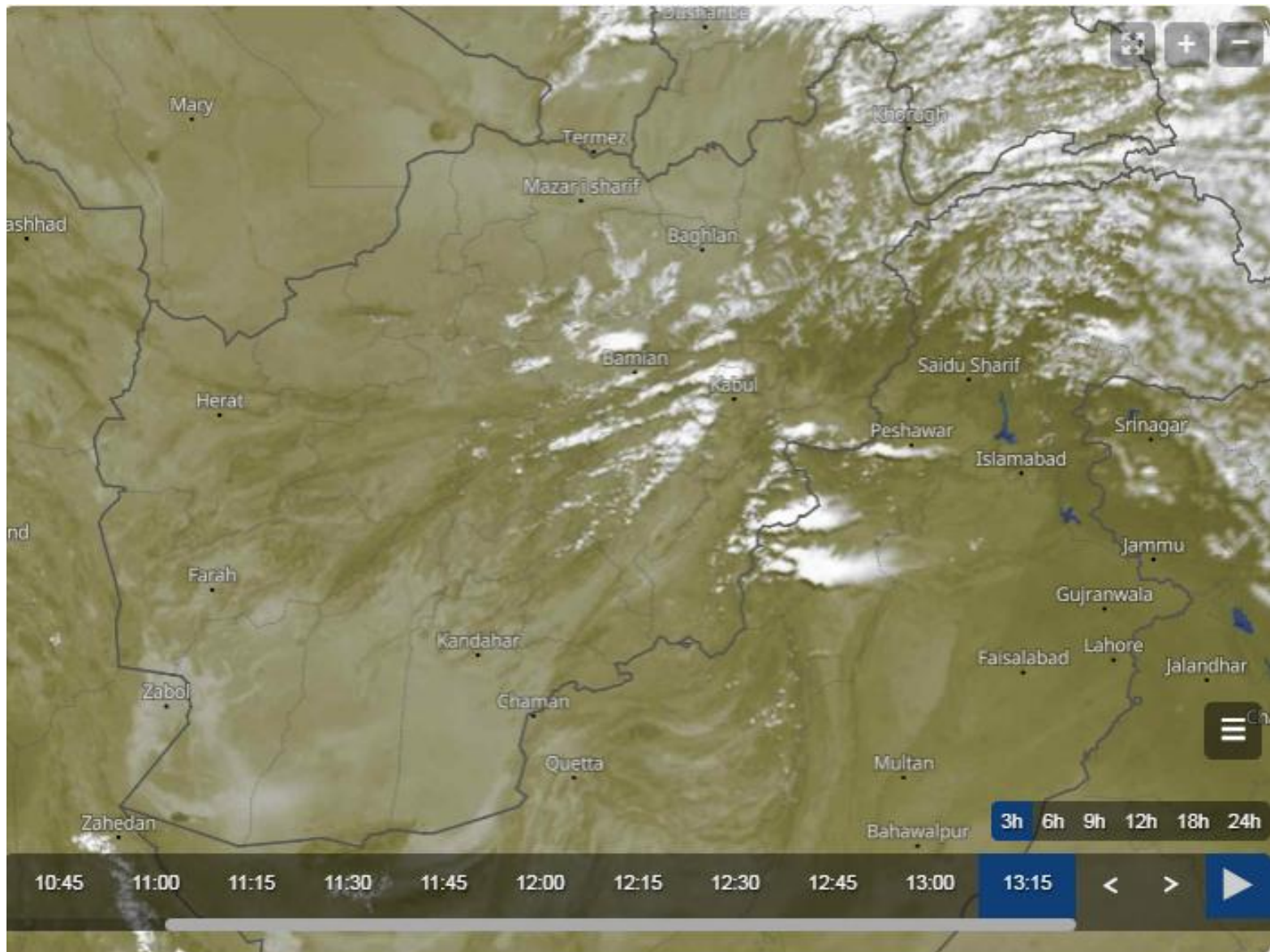
18-05-2025/(1345 to 1412) IST



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

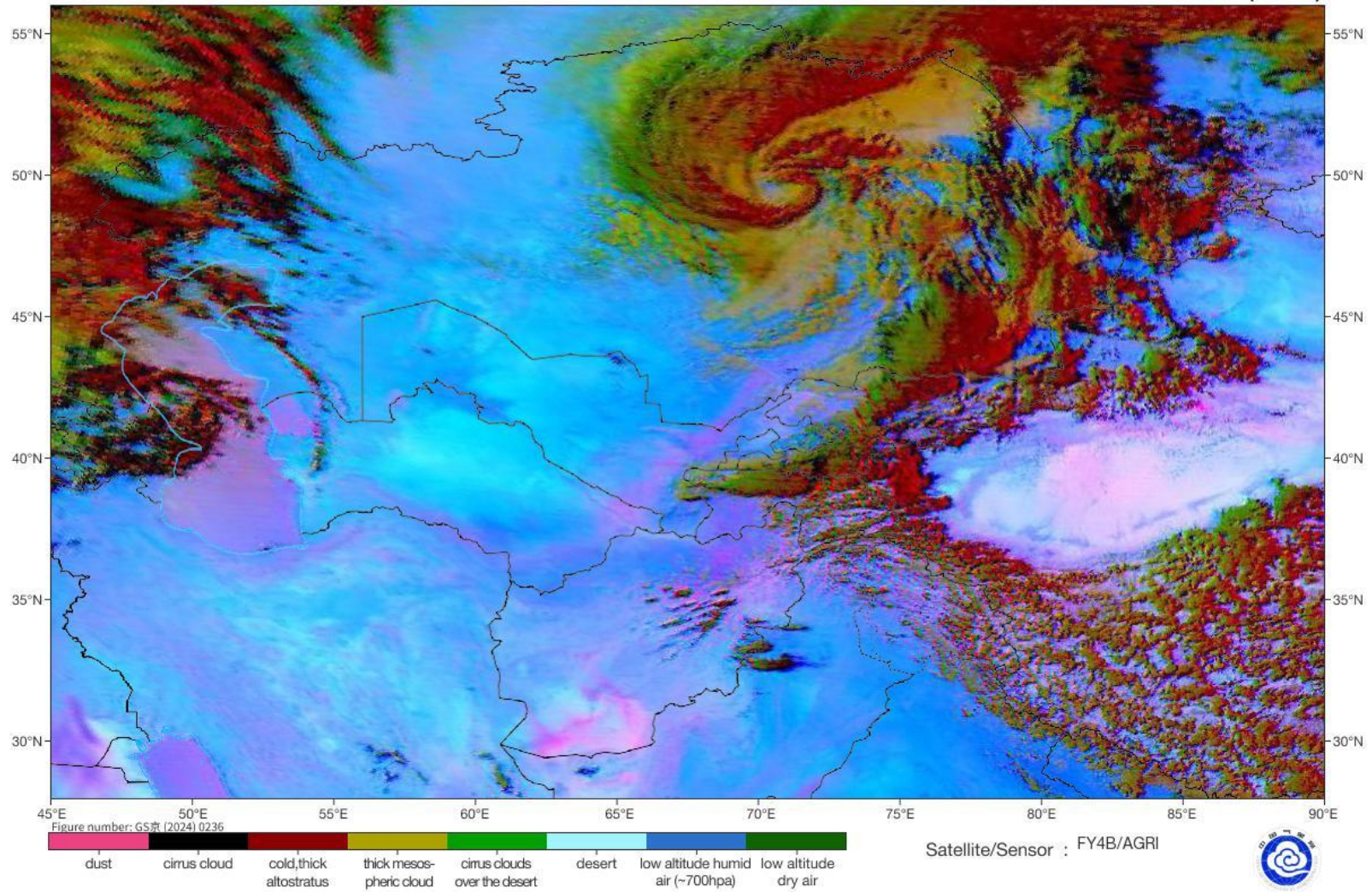
18-05-2025/(0815 to 0842) GMT  
18-05-2025/(1345 to 1412) IST





## Sand And Dust Identification

2025-05-18 08:30(UTC)



# Cloud Top Height

2025-05-18 08:45(UTC)

