



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



Daily reports of Satellite imagery analysis. Date & Time: 17/07/2025, 06:00 UTC, Number of reports: 1120

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

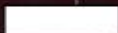
Details: according to satellite imagery analysis the central and northwestern areas have weak air mass. The central and northwestern areas have area have weak dust. The southern, northeastern and southeastern areas have partly cloudy sky. The southern, eastern, southeastern and southwestern areas have weak water vapor the northern, western, central, northeastern and northwestern areas are dry. The northern and southwestern areas have jet stream.

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

Reported by: Mohammad Jawed Moradi

UTC : 2025-07-17 06:00

AirMass



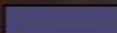
Thick,

high-level cloud



Thick,

mid-level cloud



Thick,

low-level cloud



Jet

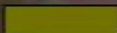


Cold Airmass



Warm Airmass

(high UTH)



Warm Airmass

(low UTH)

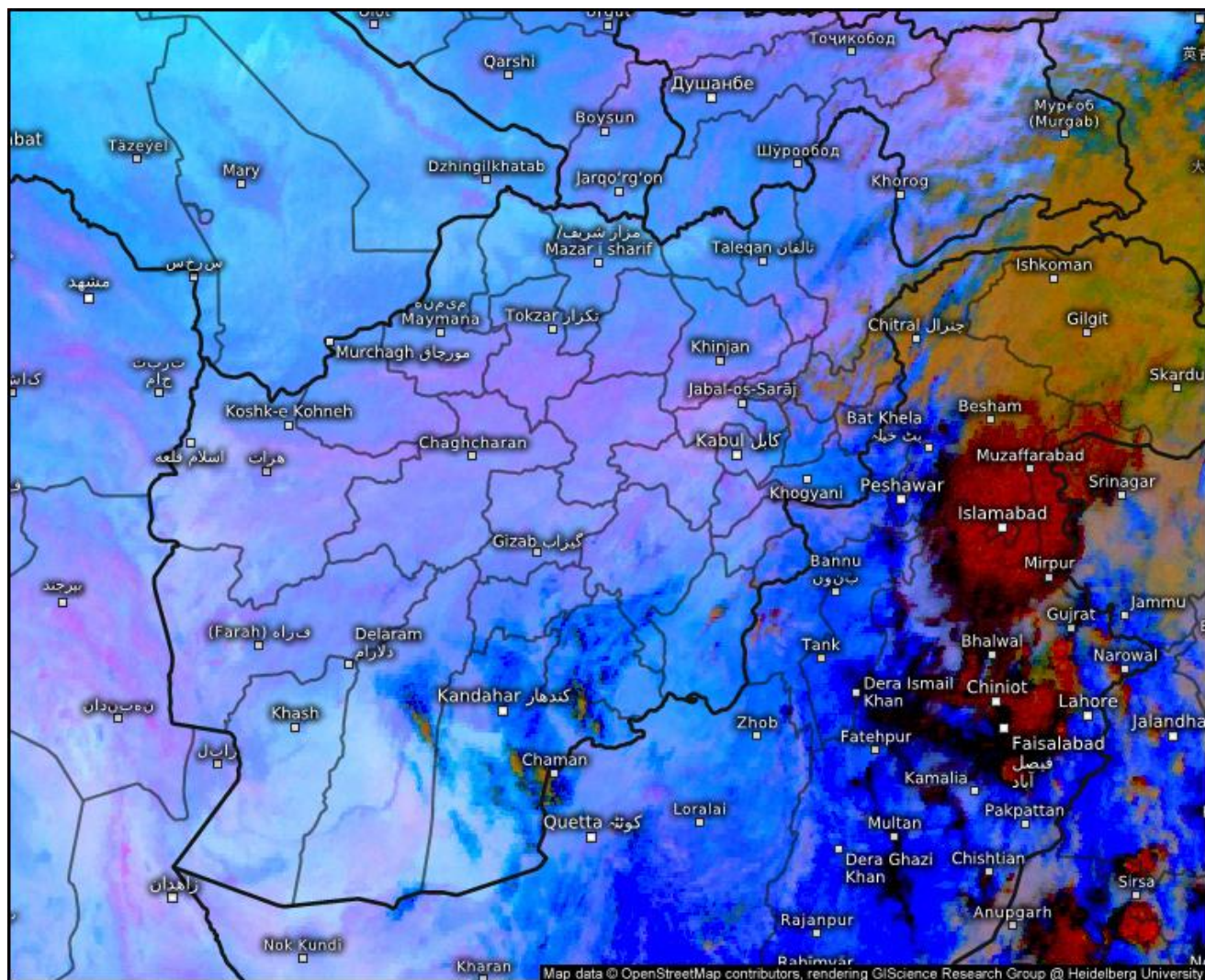
R = WV (6.25) - WV (7.1)

G = IR (8.5) - IR (10.8)

B = WV (6.25)

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust

Thu 07/17/2025, 10:30am GMT+0430

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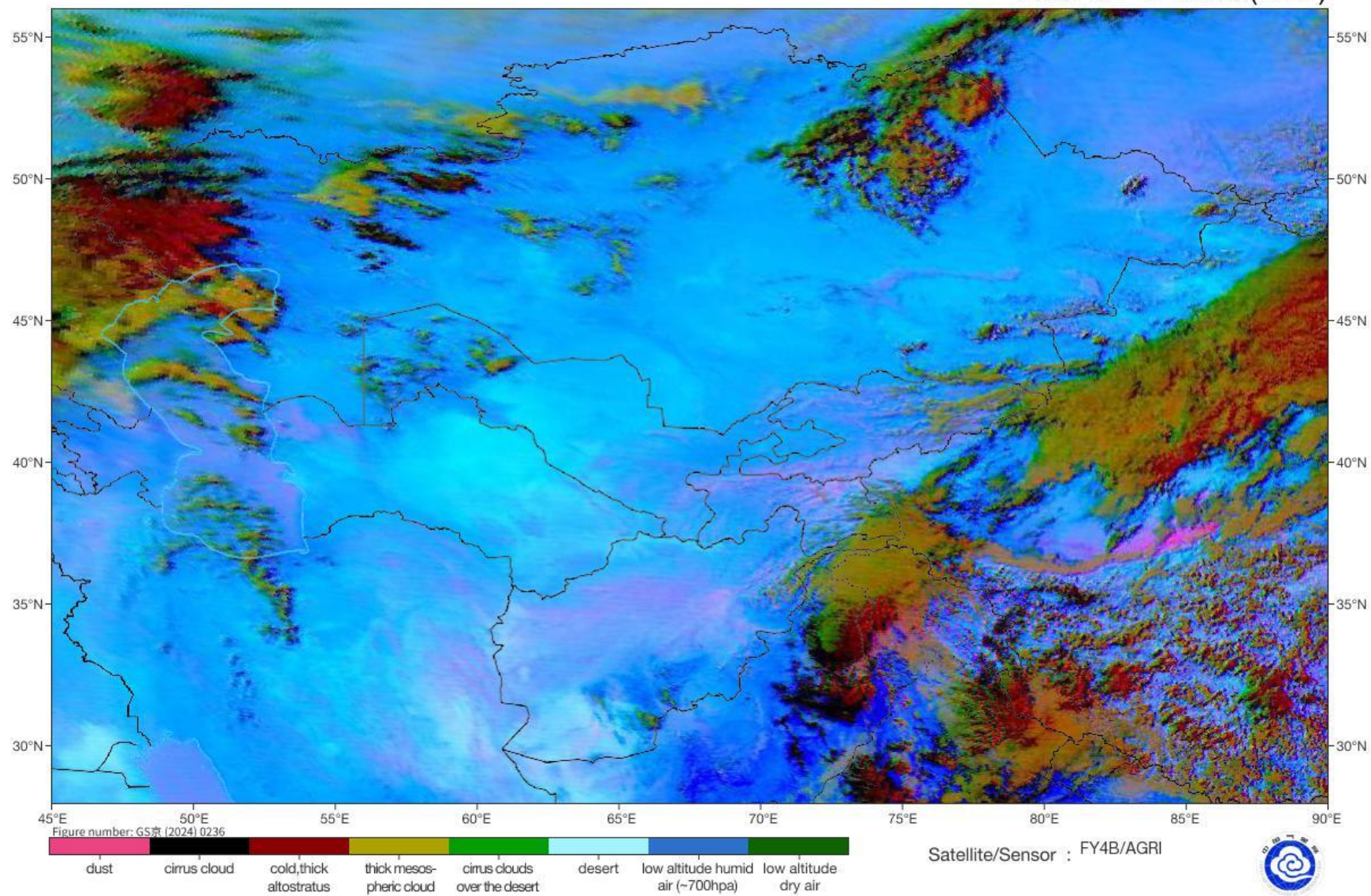
Afghanistan

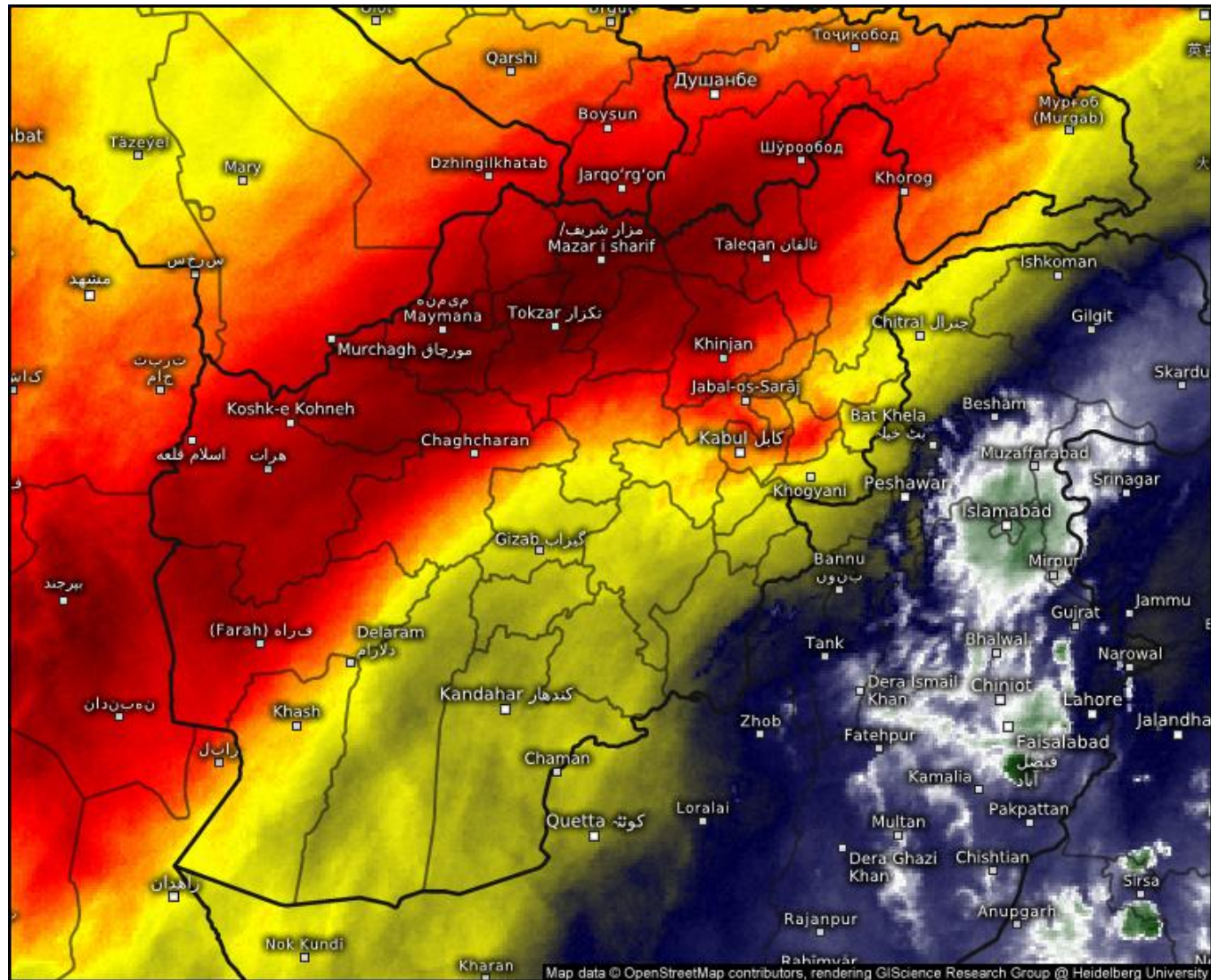
 **meteologix.com**

Satellite data: EUMETSAT

Sand And Dust Identification

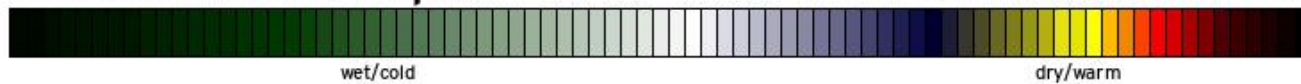
2025-07-17 06:00(UTC)





Satellite Water Vapor

Thu 07/17/2025, 10:30am GMT+0430



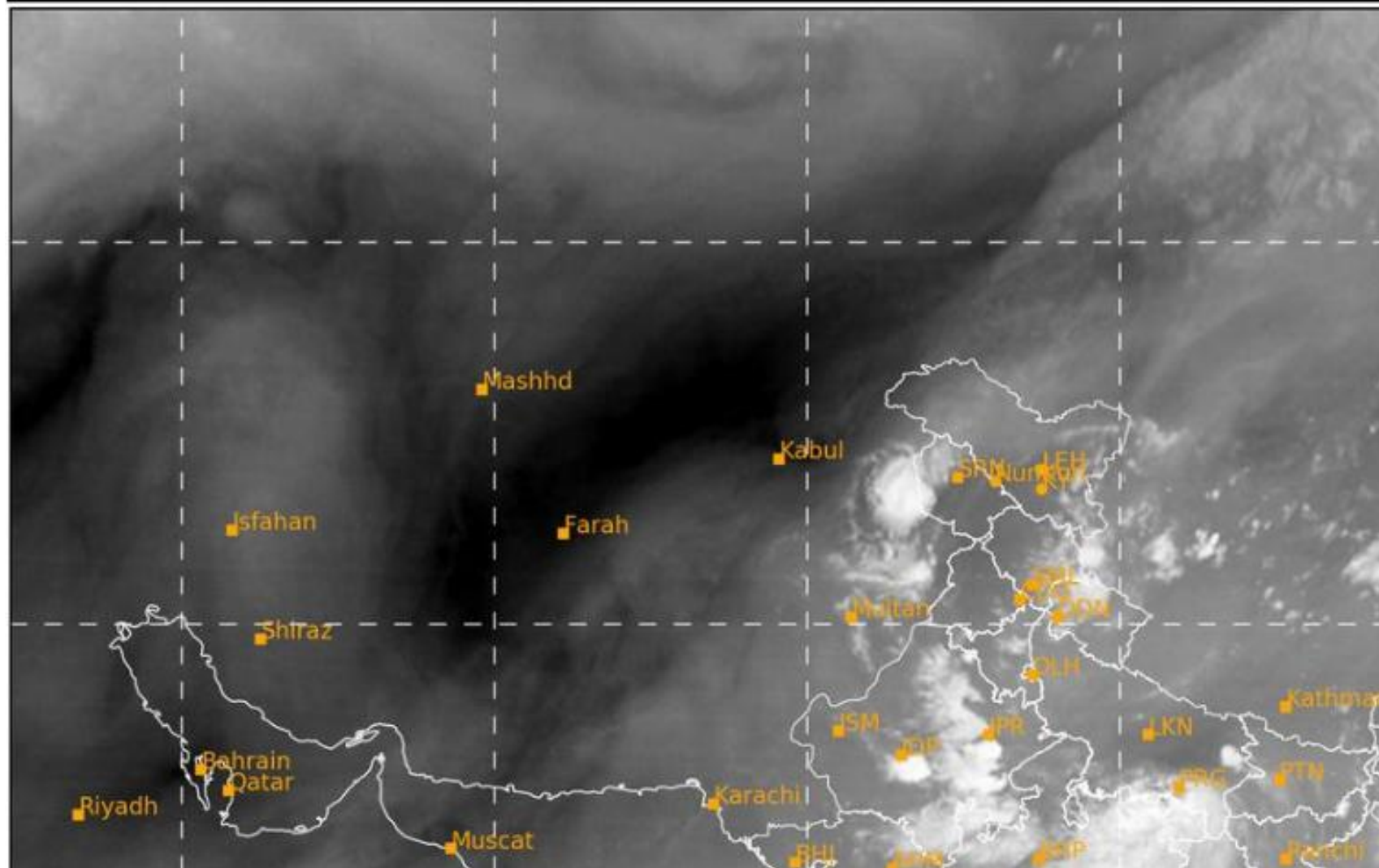
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Afghanistan

meteologix.com

Satellite data: EUMETSAT

L1C Mercator

17-07-2025/(1045 to 1112) IST



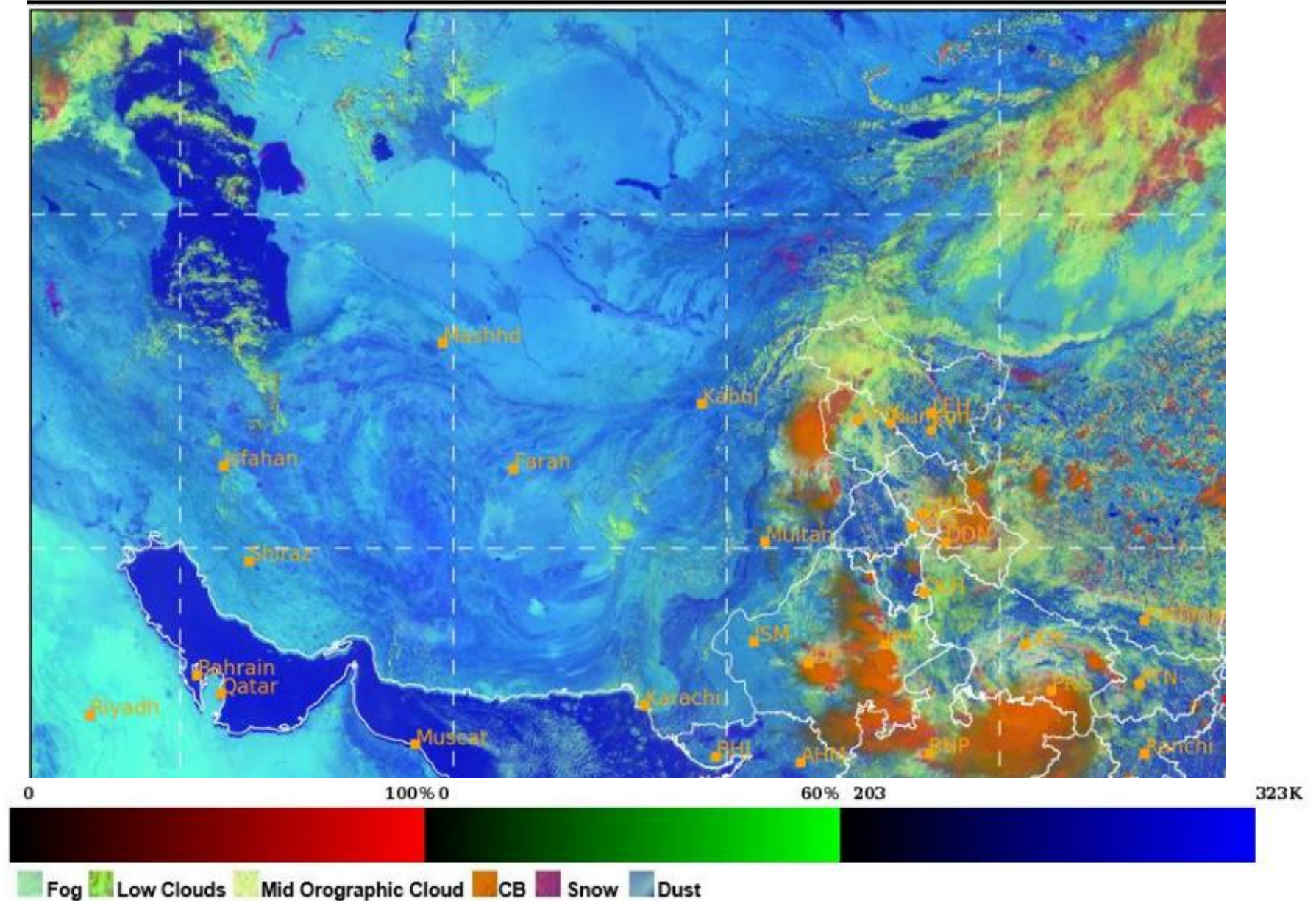
SAT : INSAT-3DR IMG

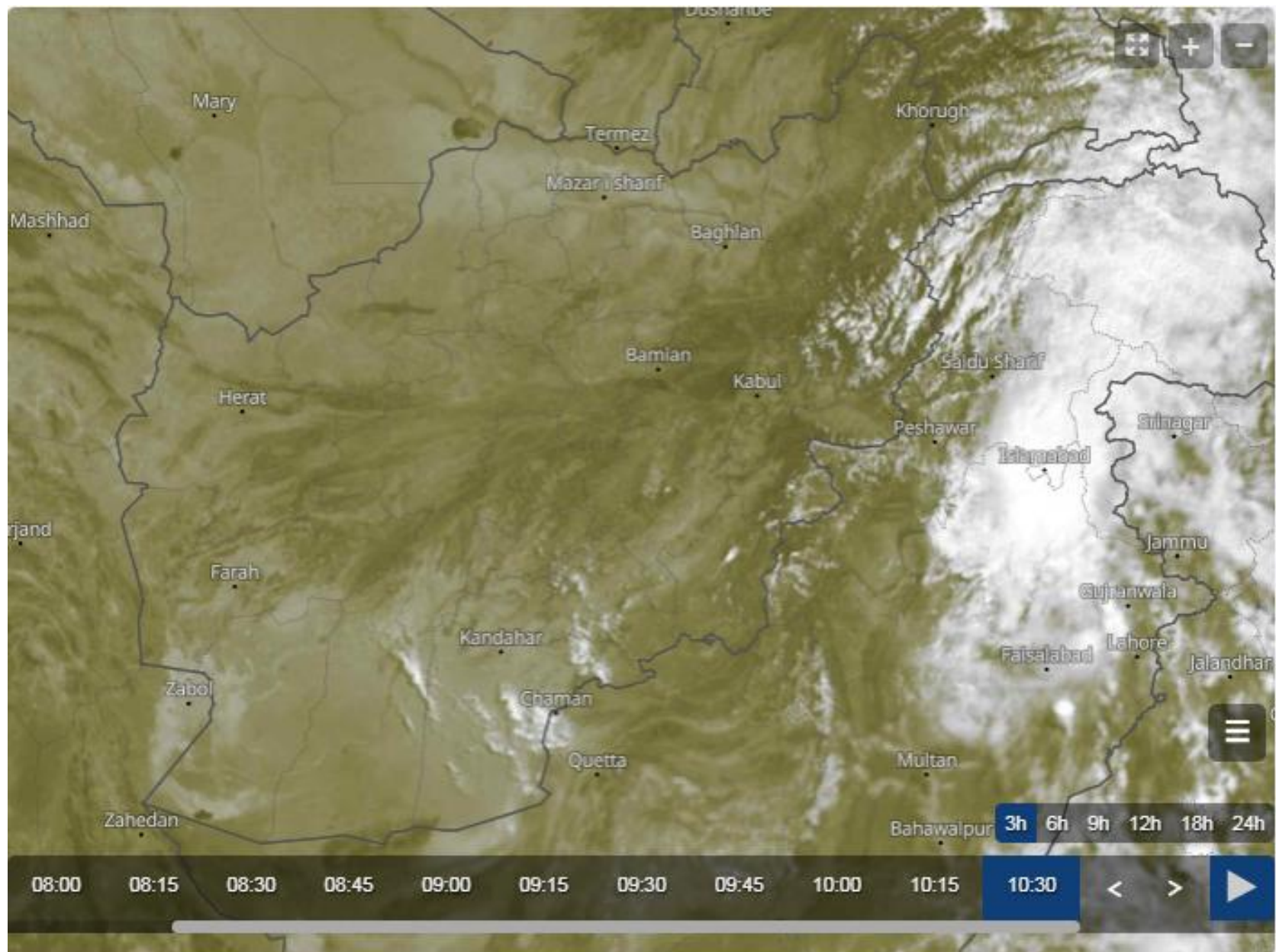
17-07-2025/(0515 to 0542) GMT

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

L1C Mercator

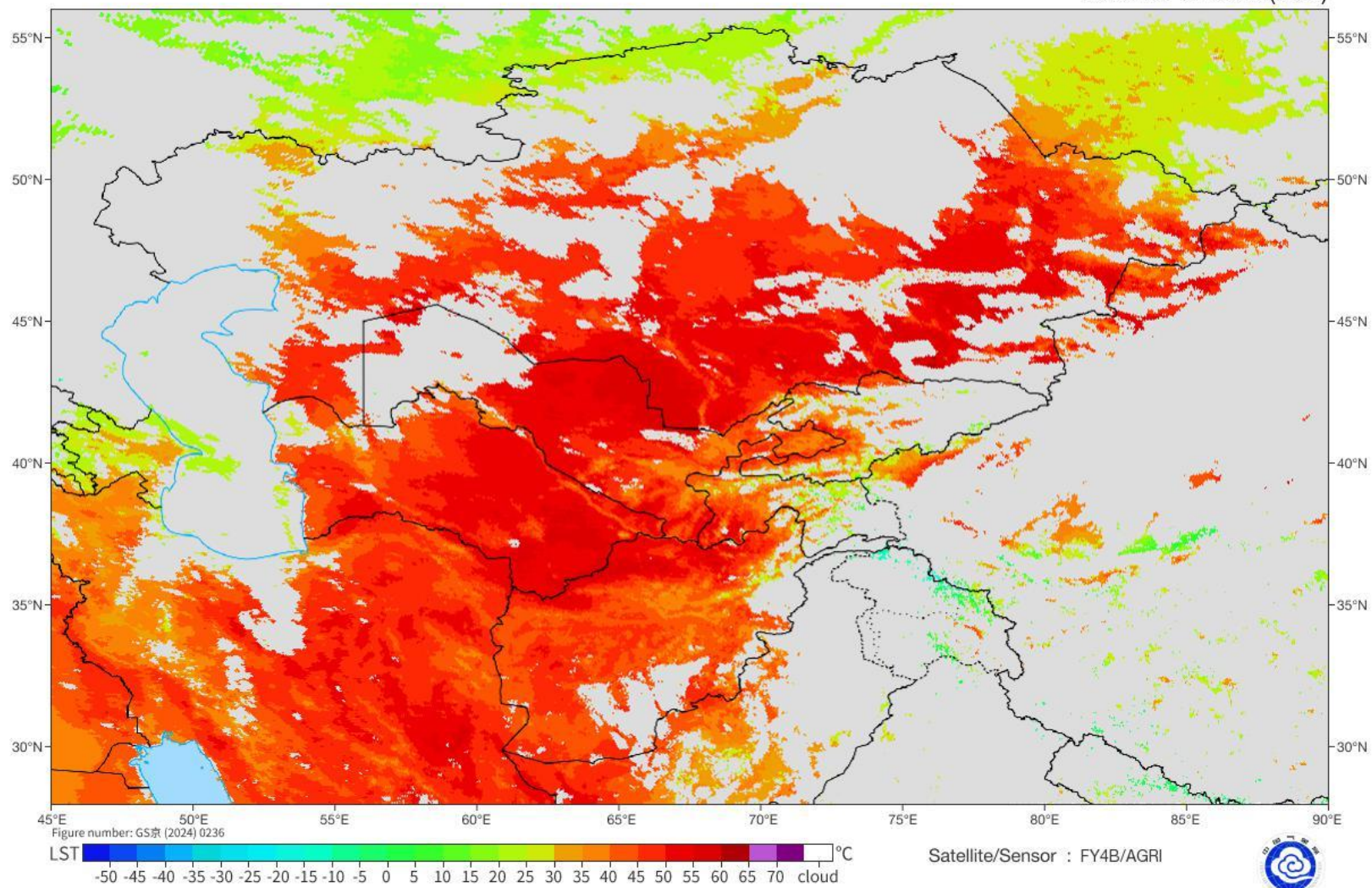
17-07-2025/(1045 to 1112) IST





Land Surface Temperature

2025-07-17 06:00(UTC)



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

17-07-2025/(0445 to 0512) GMT
17-07-2025/(1015 to 1042) IST

