



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



Daily reports of Satellite imagery analysis. Date & Time: 20/07/2025, 09:00 UTC, Number of reports: 1128

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

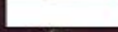
Details: according to satellite imagery analysis the northern, western and northwestern areas have weak warm air mass the southern and southwestern areas have weak cold air mass. The western area has dust storm. The southeastern area has partly cloudy sky. The southern, northeastern, southeastern and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

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

Reported by: Mohammad Jawed Moradi

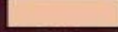
UTC : 2025-07-20 08:45

AirMass



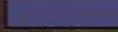
Thick,

high-level cloud



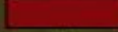
Thick,

mid-level cloud

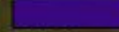


Thick,

low-level cloud



Jet

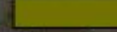


Cold Airmass



Warm Airmass

(high UTH)



Warm Airmass

(low UTH)

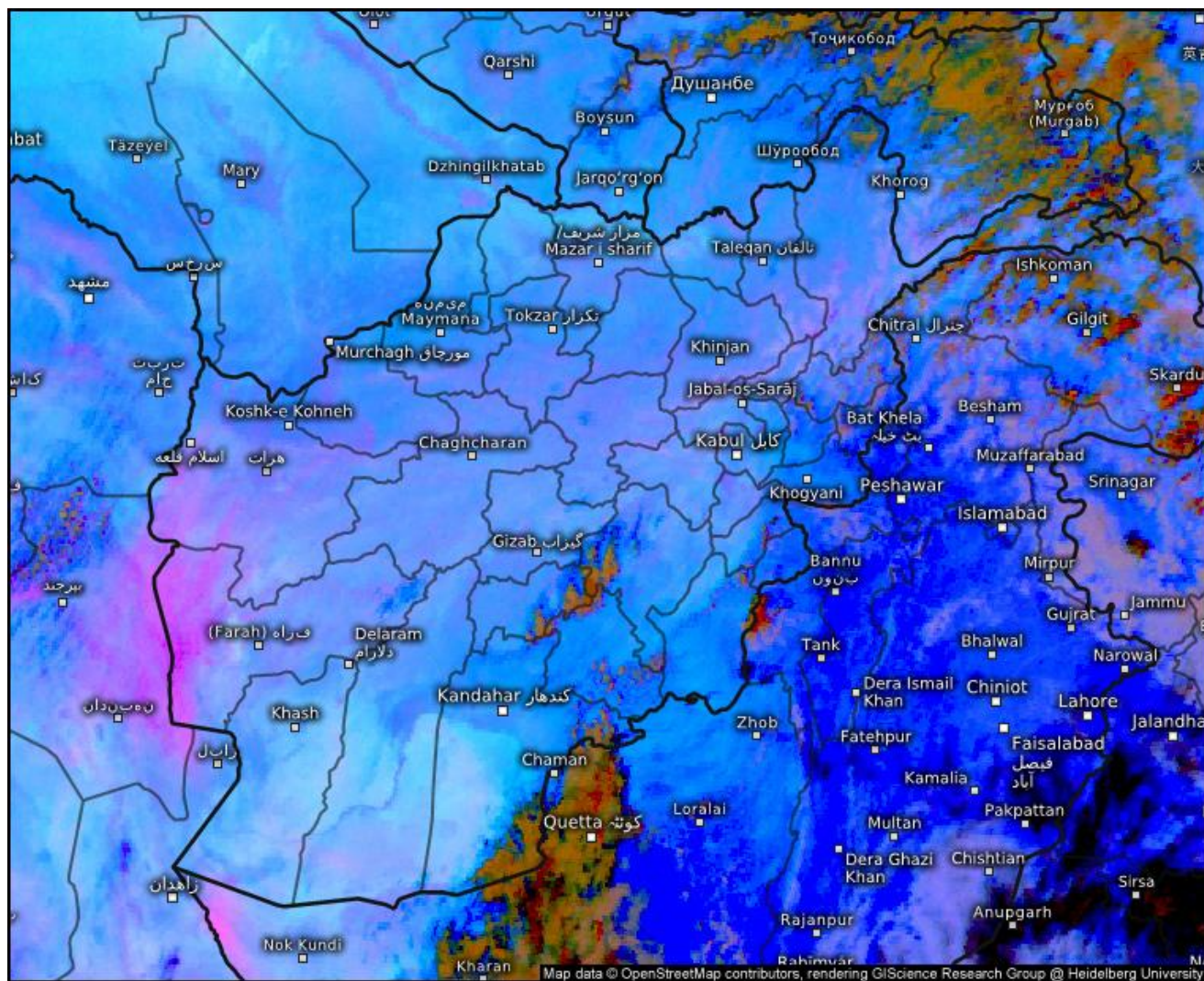
R = WV (6.25) - WV (7.1)

G = IR (8.5) - IR (10.8)

B = WV (6.25)

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust

Sun 07/20/2025, 01:30pm GMT+0430

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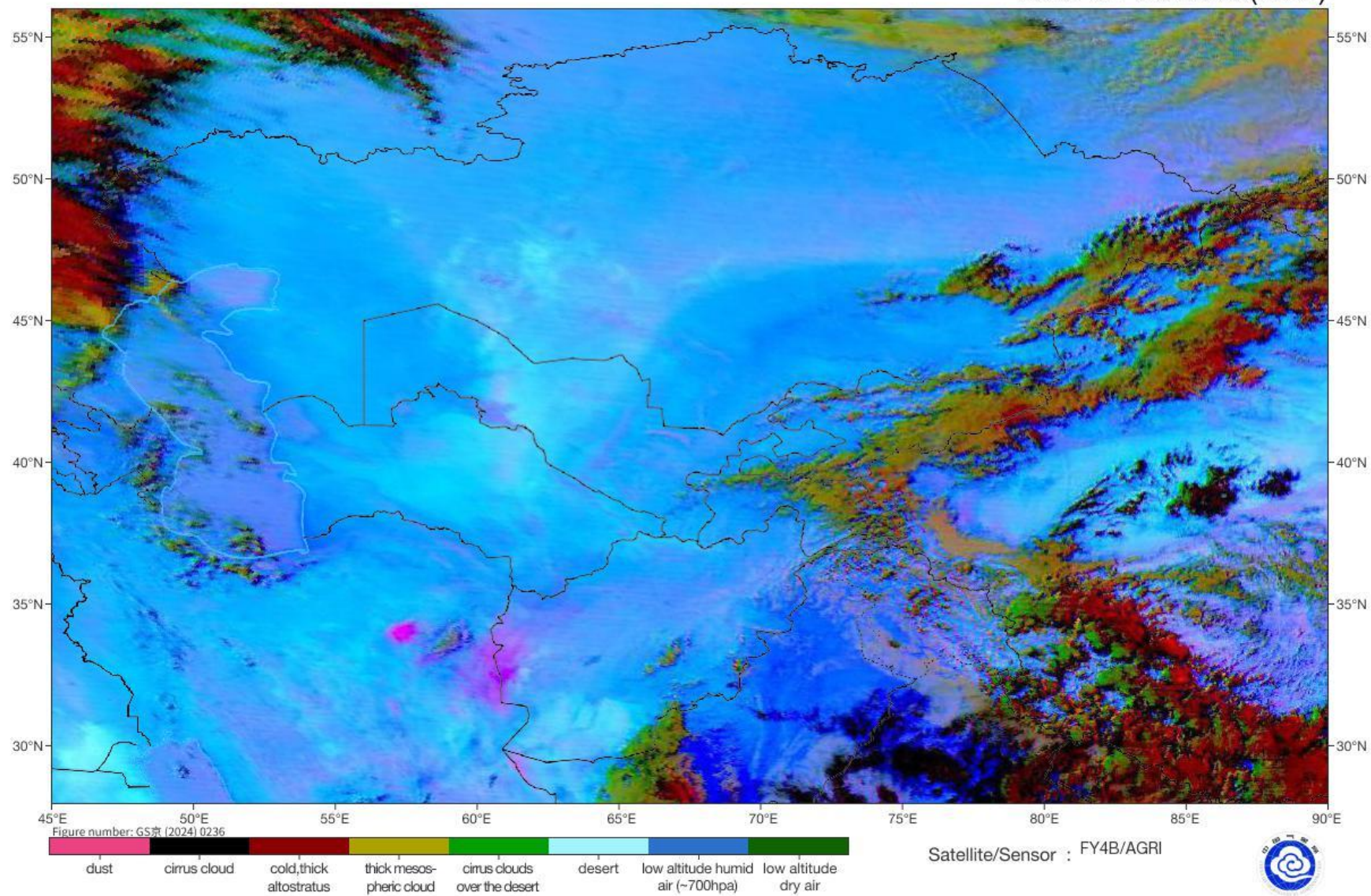
Afghanistan

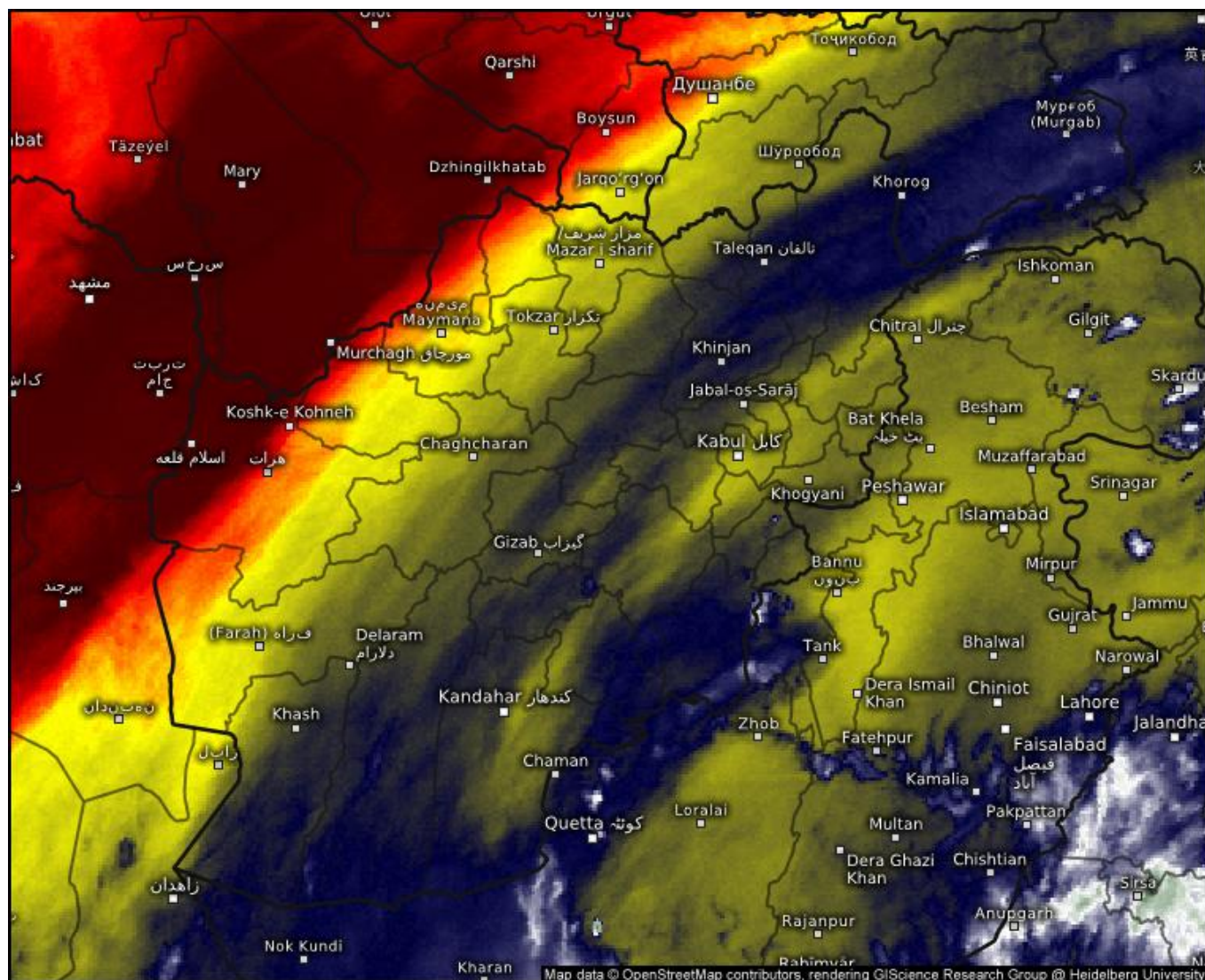
meteologix.com

Satellite data: EUMETSAT

Sand And Dust Identification

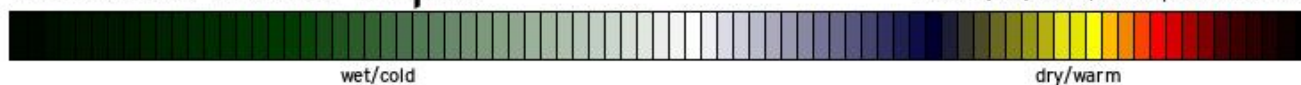
2025-07-20 09:00(UTC)





Satellite Water Vapor

Sun 07/20/2025, 01:30pm GMT+0430



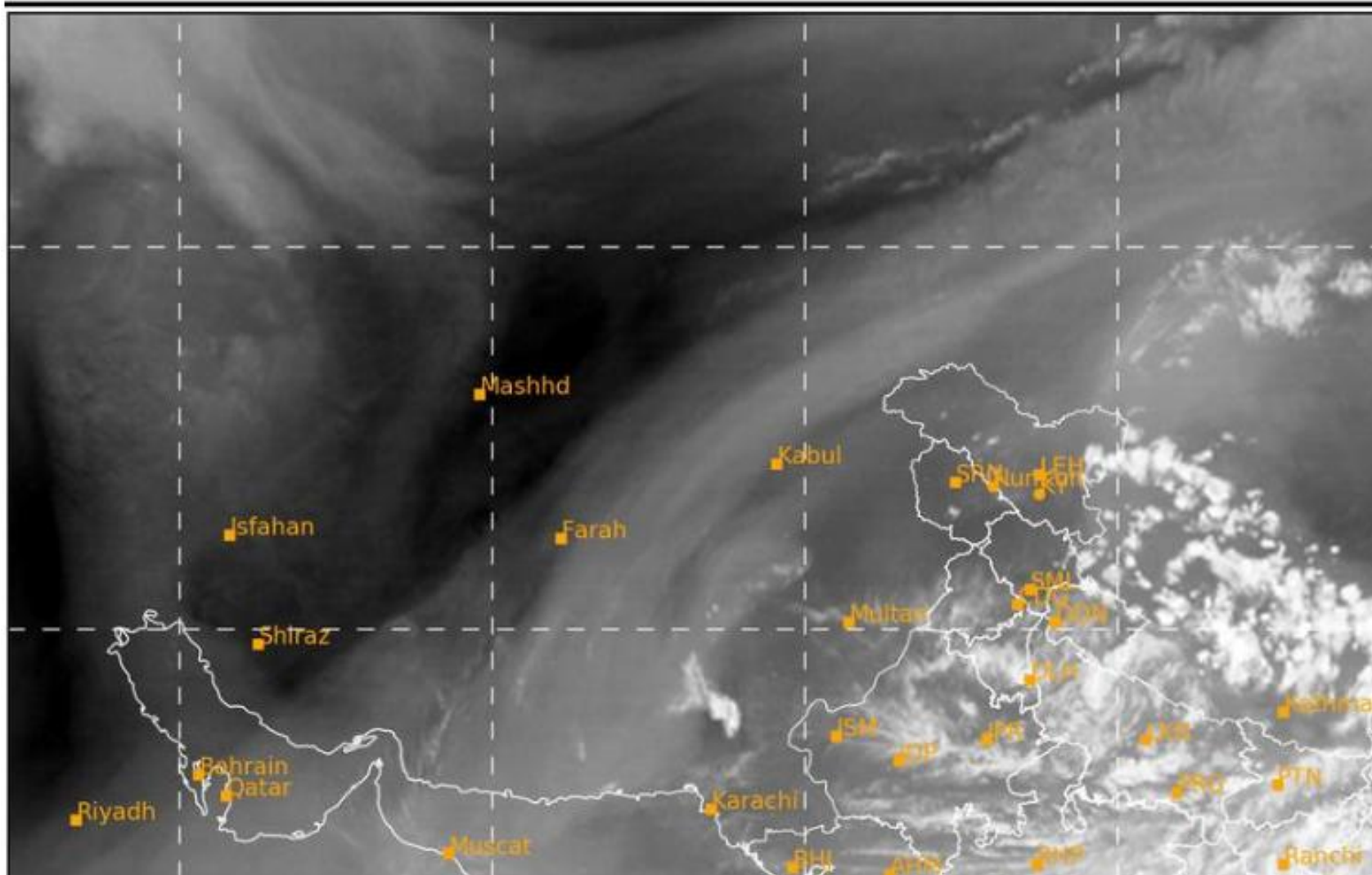
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Afghanistan

meteologix.com

Satellite data: EUMETSAT

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

20-07-2025/(0745 to 0812) GMT
20-07-2025/(1315 to 1342) IST

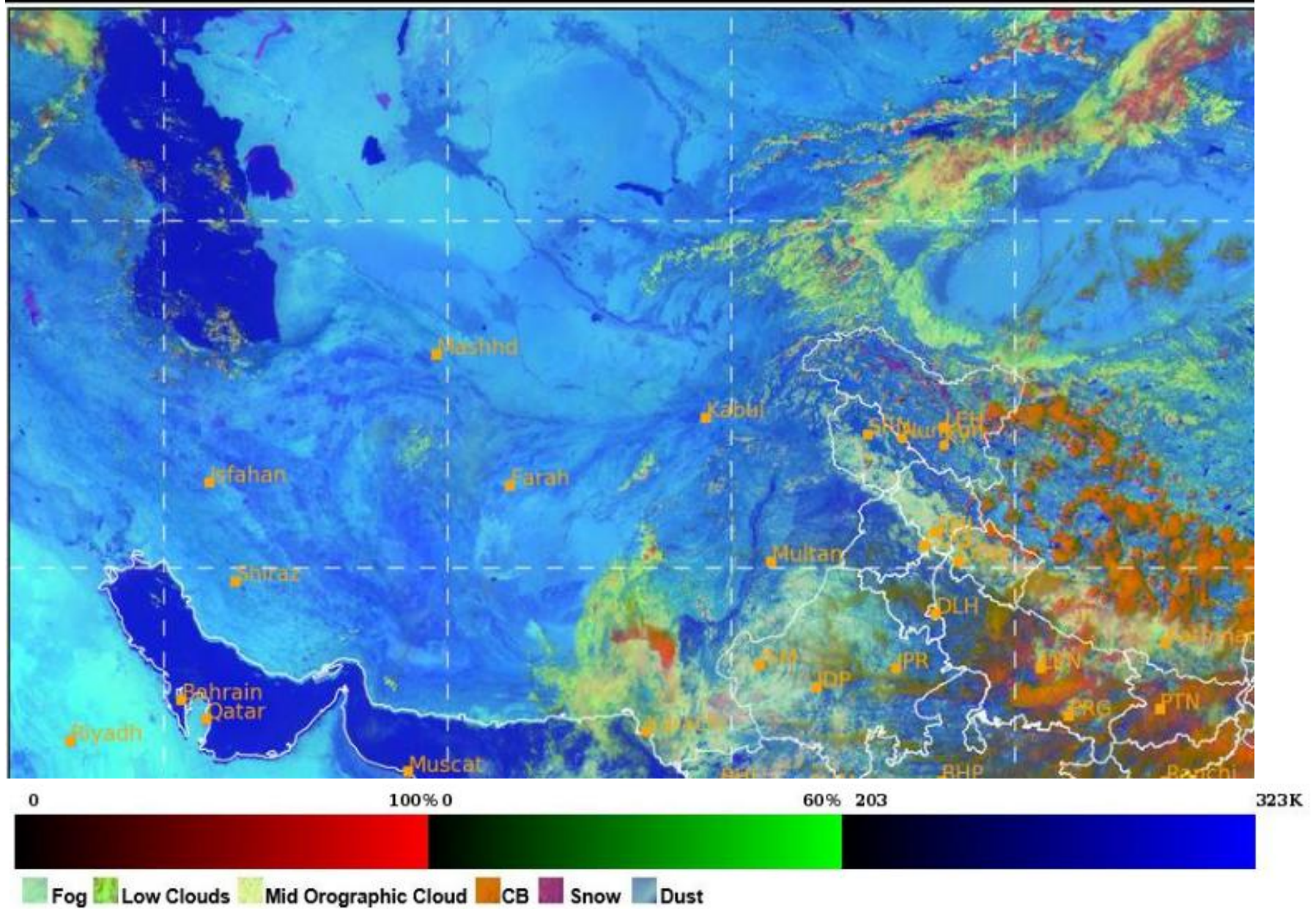


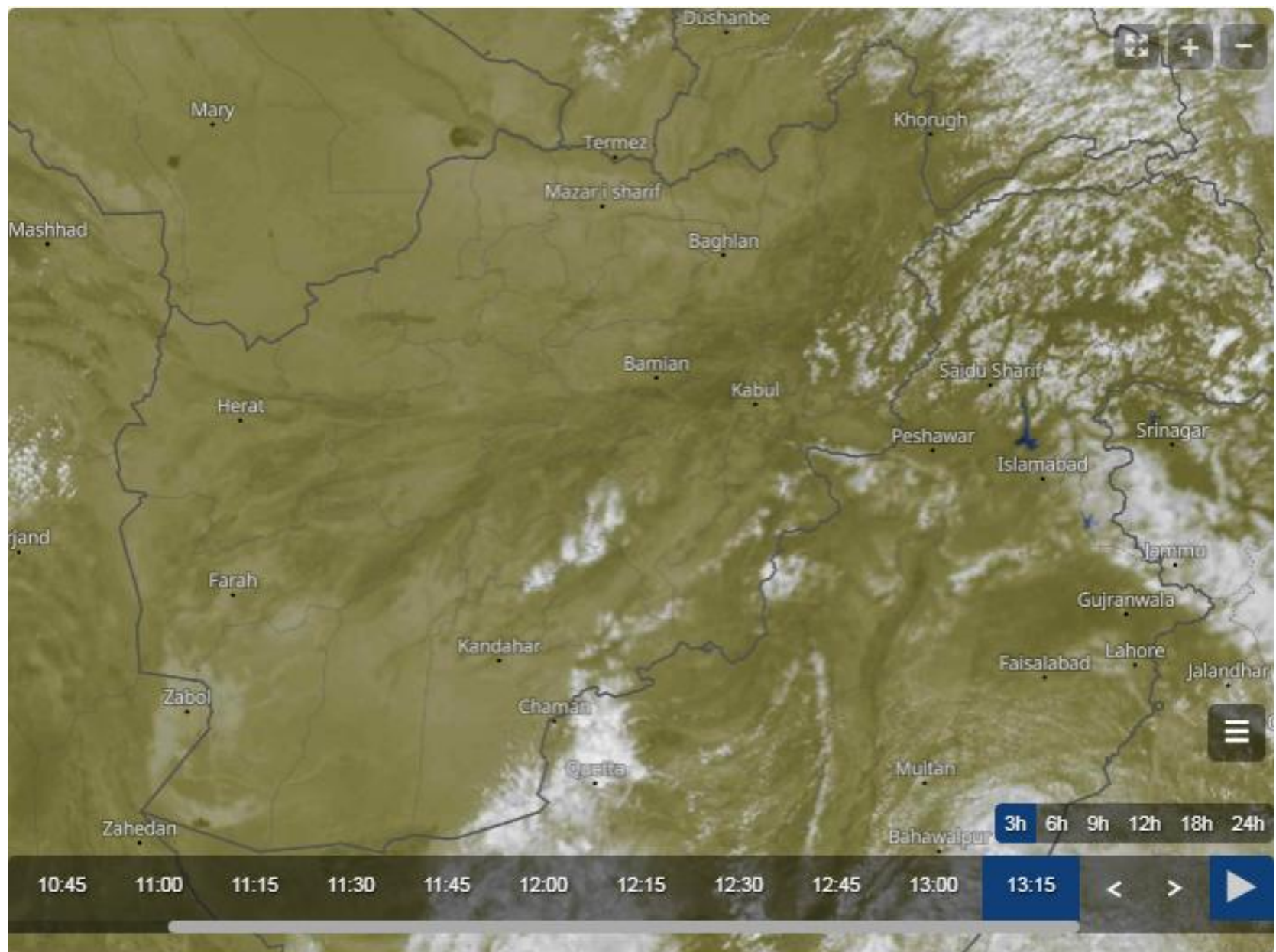
20-07-2025/(0745 to 0812) GMT

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

L1C Mercator

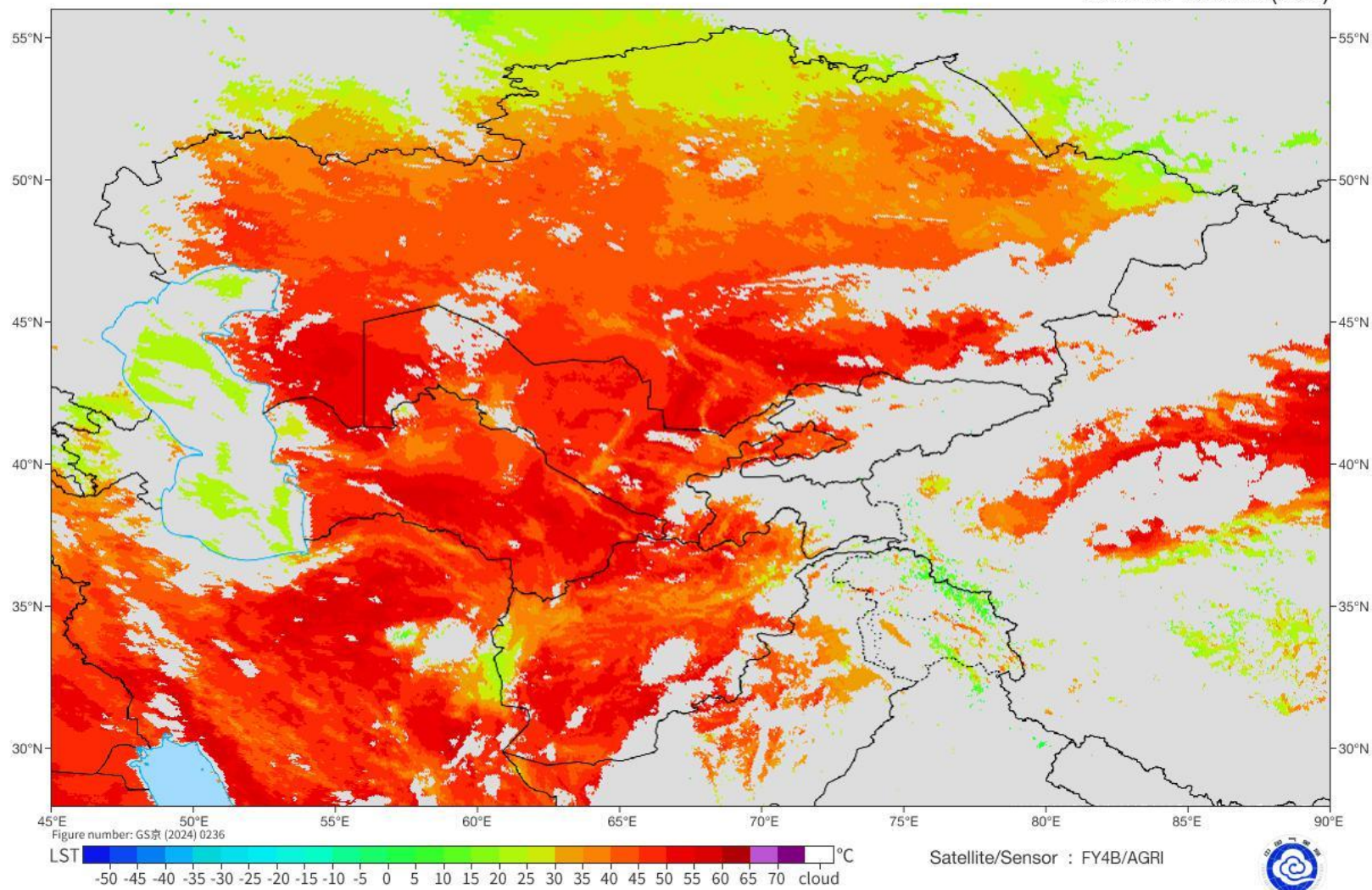
20-07-2025/(1315 to 1342) IST





Land Surface Temperature

2025-07-20 09:00(UTC)



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

20-07-2025/(0745 to 0812) GMT
20-07-2025/(1315 to 1342) IST

