



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



Daily reports of Satellite imagery analysis. Date & Time: 14/08/2025, 15:00 UTC

No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	✓	X	X	X	√ weak	X	X	
2	South	X	✓	X	X	X	√ moderate	X	X	
3	West	X	✓	X	X	X	√ weak	X	X	
4	East	✓	X	X	✓	X	√ moderate	X	X	
5	central	✓	X	X	X	X	√ weak	X	X	
6	Northeast	✓	X	X	✓	X	√ weak	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, eastern, central, northeastern, areas have warm air mass (Low UTH). The northern, southern, western, northwestern and southwestern areas have dust. The eastern, northeastern, southeastern areas have cloudy sky. The all region have weak water vapor with the exception of southern, eastern, southeastern and southwestern areas are moderate.

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-08-14 05:00

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

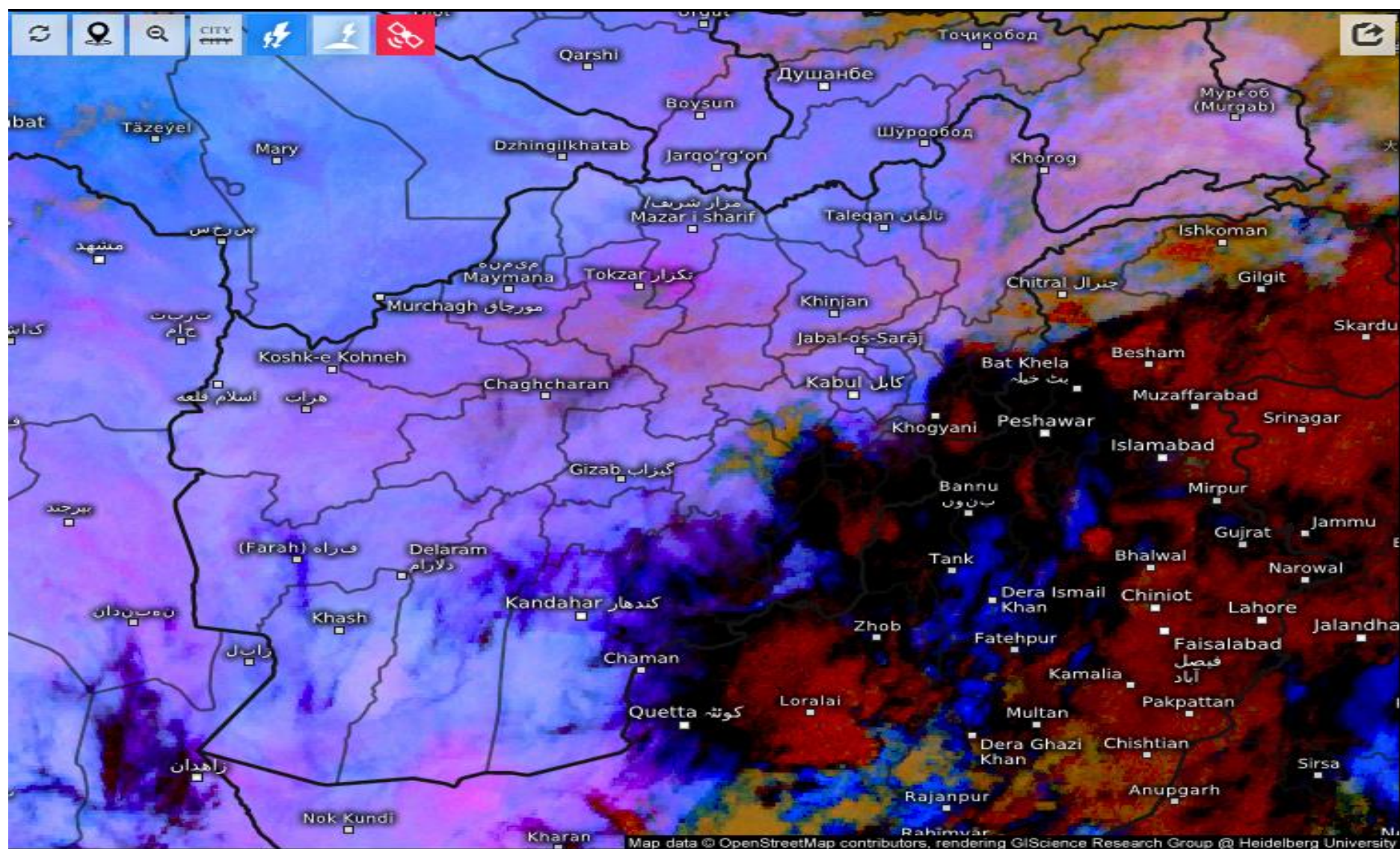
Cold Airmass

Warm Airmass
(high UTH)

Warm Air
(low UTH)

FY-4B AirMass RGB Composite (From WMC)





Satellite Dust 

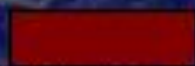
Thu 08/14/2025, 07:00pm GMT+0430

UTC : 2025-08-14 05:00

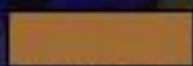
Dust



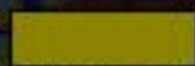
Dust



High-level cloud



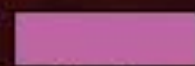
Thick,
mid-level cloud



Thin,
mid-level cloud



Ocean



Land



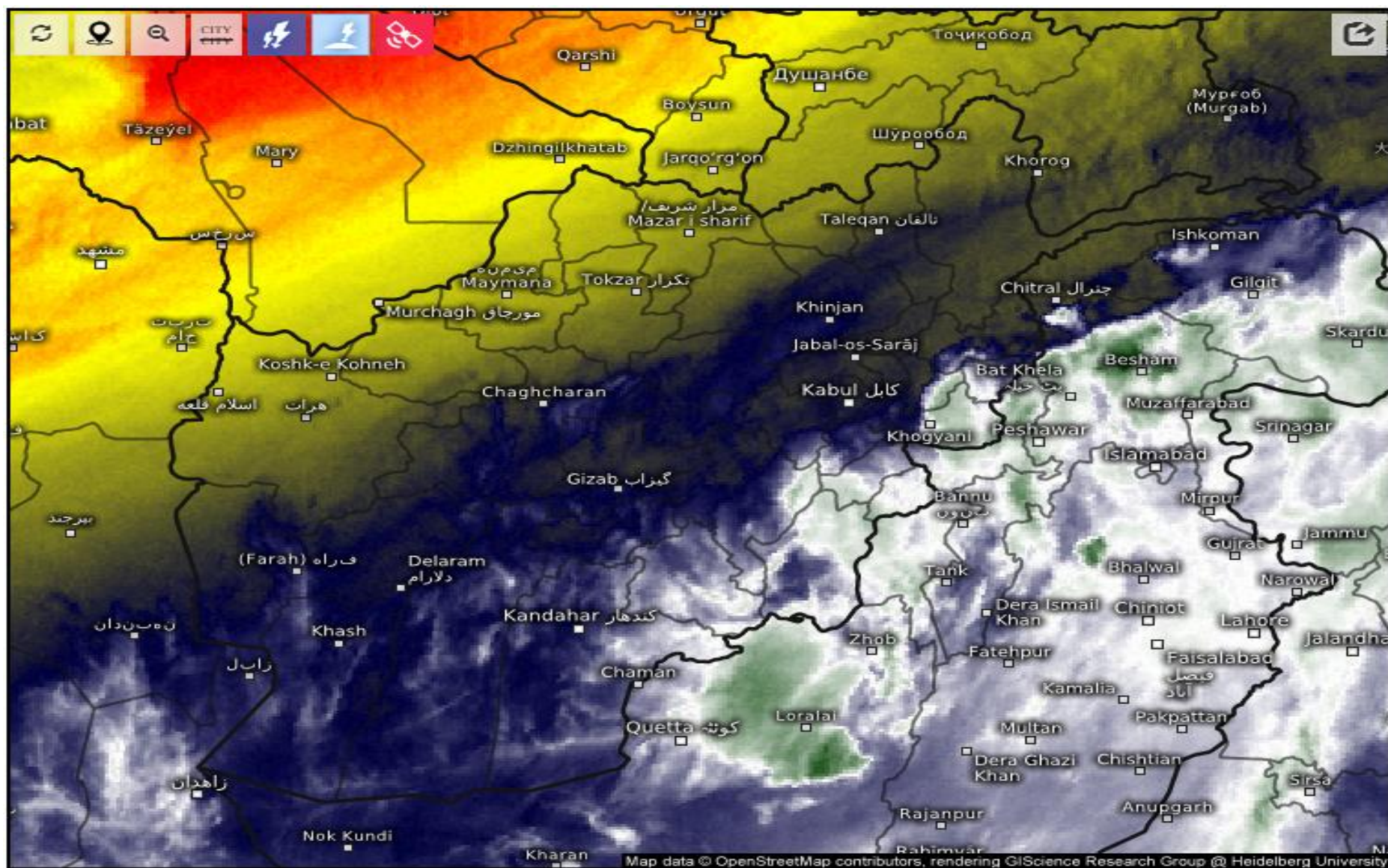
Low-level cloud



Cirrus

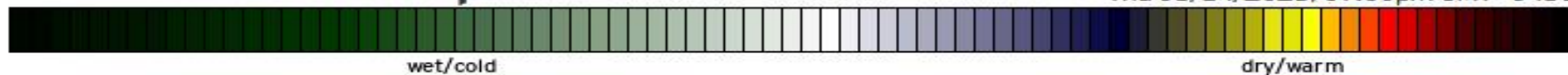
FY-4B Dust RGB Composite (From WMO)





Satellite Water Vapor

Thu 08/14/2025, 07:00pm GMT+0430



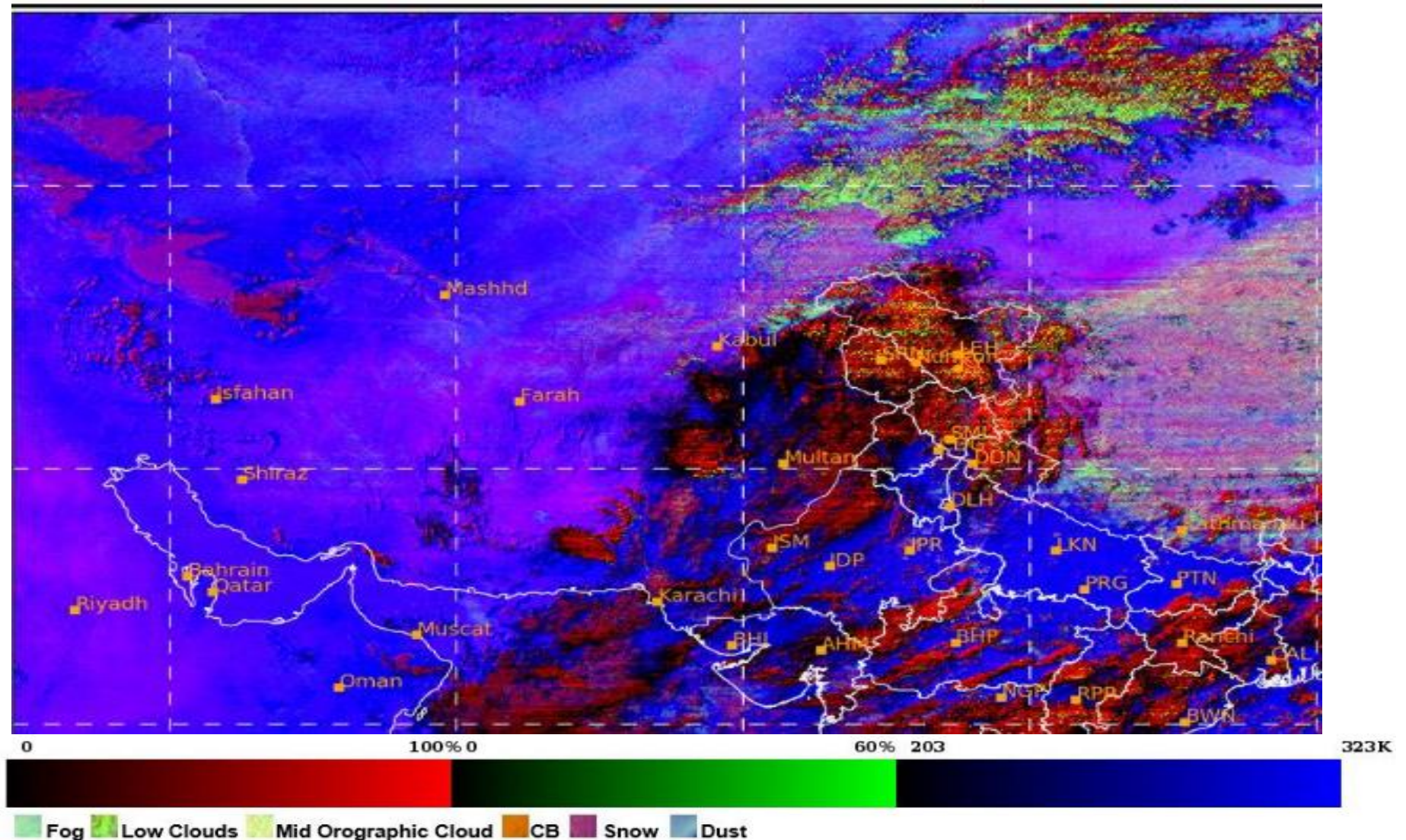
SAT : INSAT-3DR IMG

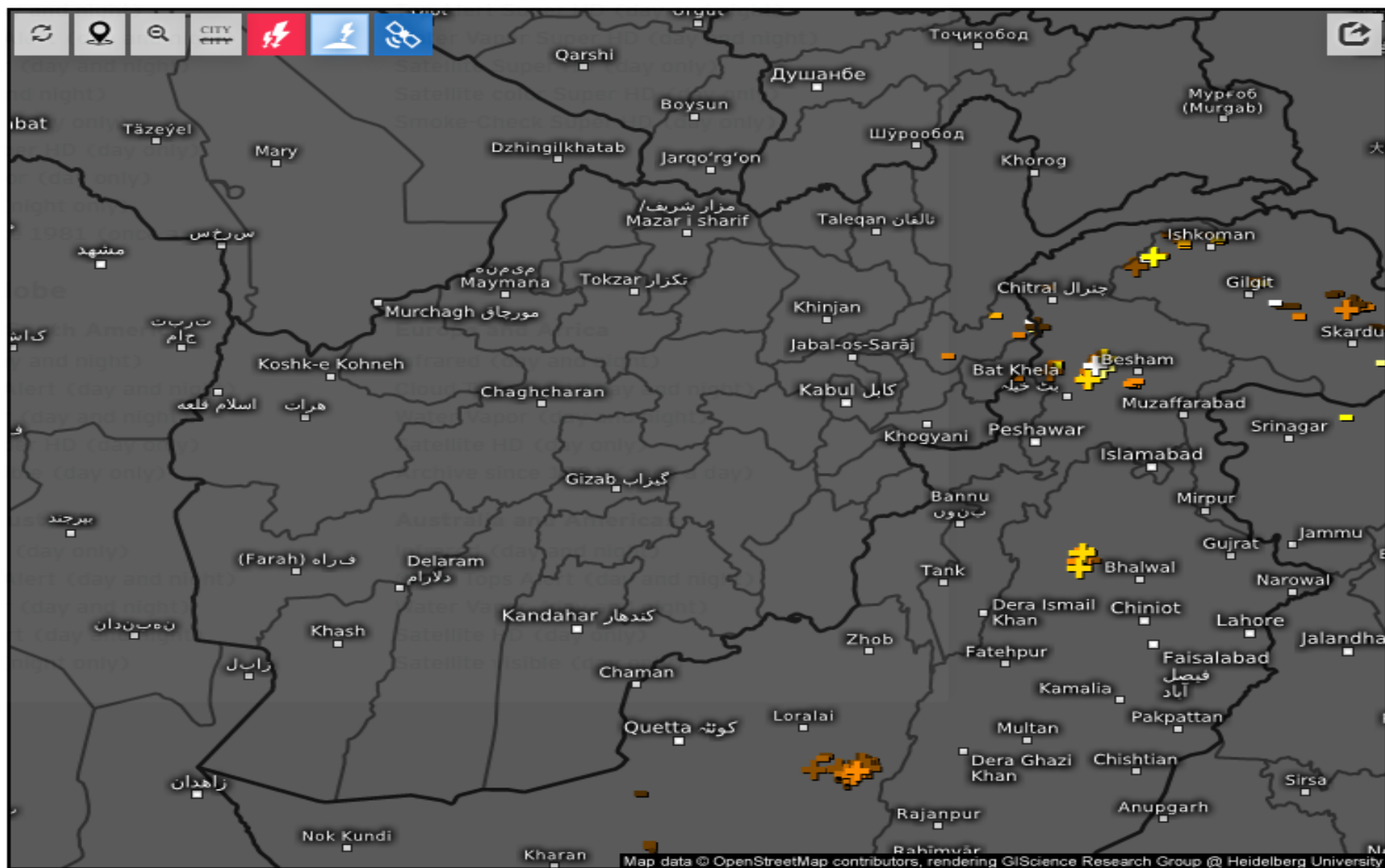
14-08-2025/(1345 to 1411) GMT

Night Microphysics: TIR2_BT-TIR1_BT (R), TIR1_BT-MIR_BT (G), TIR1_BT (B)

L1C Mercator

14-08-2025/(1915 to 1941) IST





Age of lightning (minutes) 

Thu 08/14/2025, 07:15pm GMT+0430



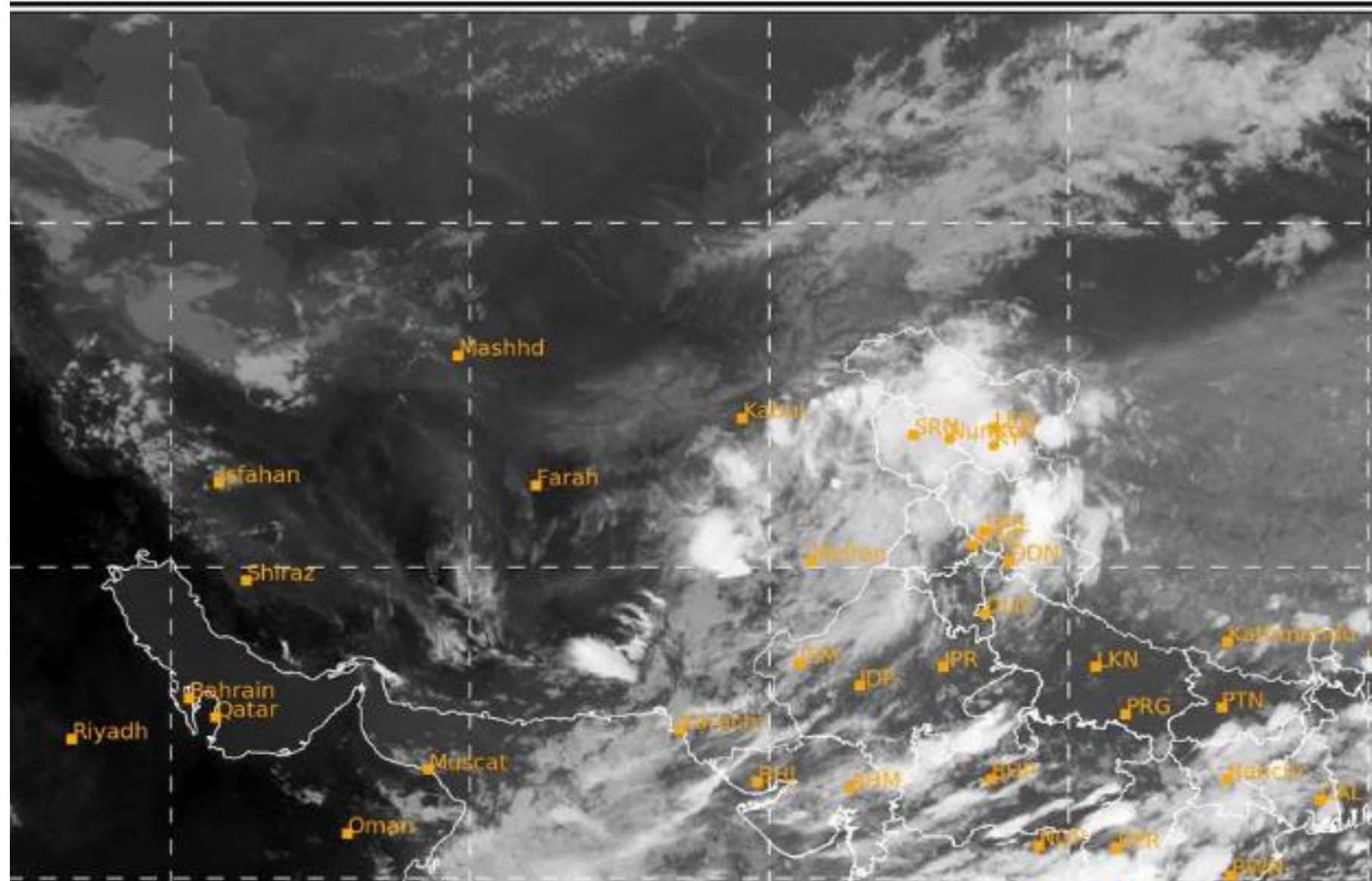
SAT : INSAT-3DR IMG

IMG TIR1 10.8 um

L1C Mercator

14-08-2025/(1345 to 1411) GMT

14-08-2025/(1915 to 1941) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-08-14 14:30(UTC)

