



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



Daily reports of Satellite imagery analysis. Date & Time: 16/08/2025, 00:00 UTC

No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	✓	X	X	X	√ Dry	X	X	
2	South	✓	✓	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	√ Dry	X	X	
7	Southeast	X	X	X	✓	X	√ moderate	X	X	
8	Northwest	X	✓	X	X	X	√ Dry	X	X	
9	Southwest	✓	✓	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 southern and southwestern areas have cold air mass. The northern, southern, western, northwestern and southwestern areas have dust. The eastern, northeastern, southeastern areas have cloudy sky. The northern, northeastern and northwestern areas have dry water vapor the western; central areas have weak water vapor the southern, eastern, southeastern and southwestern areas are moderate.

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-08-15 14:15

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

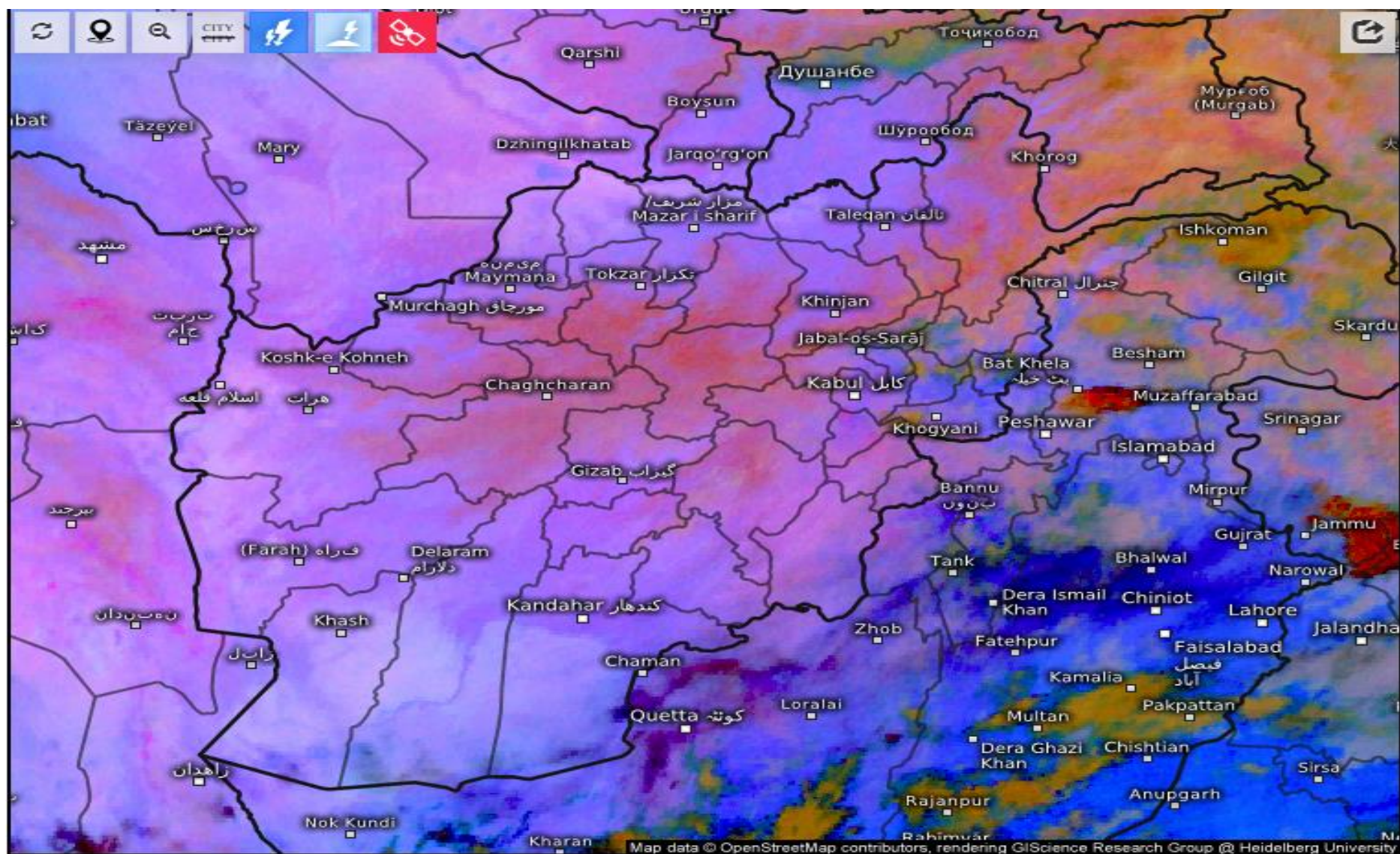
Cold Airmass

Warm Airmass
(high UTH)

Warm Air
(low UTH)

FY-4B AirMass RGB Composite (From WMC)



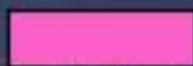


Satellite Dust 

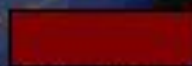
Sat 08/16/2025, 04:00am GMT+0430

UTC : 2025-08-15 14:15

Dust



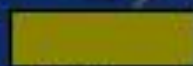
Dust



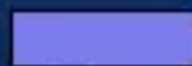
High-level cloud



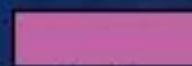
Thick,
mid-level cloud



Thin,
mid-level cloud



Ocean



Land



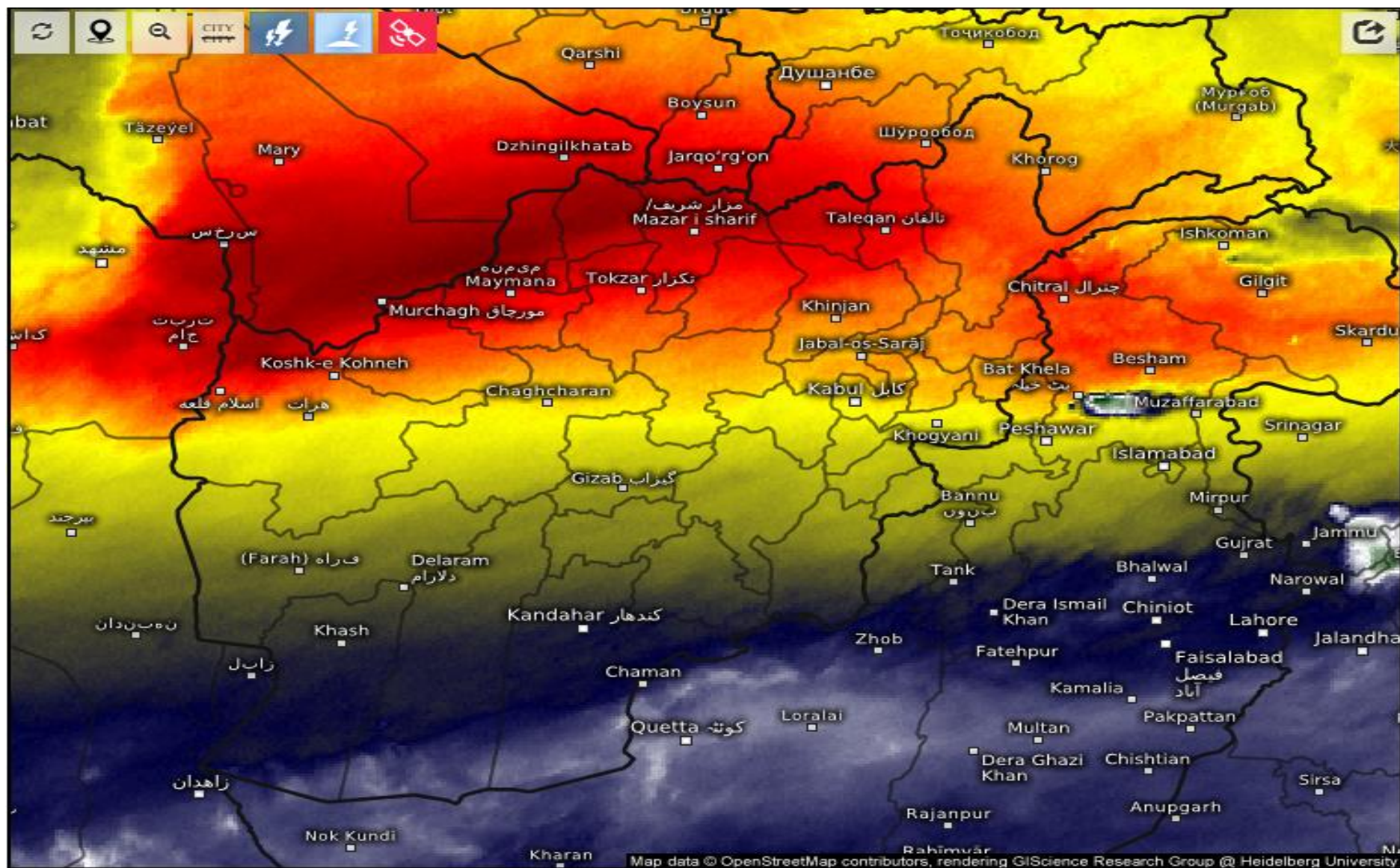
Low-level cloud



Cirrus

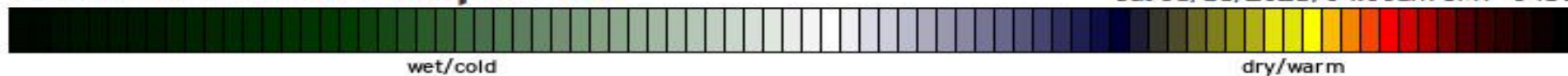
FY-4B Dust RGB Composite (From WMO)





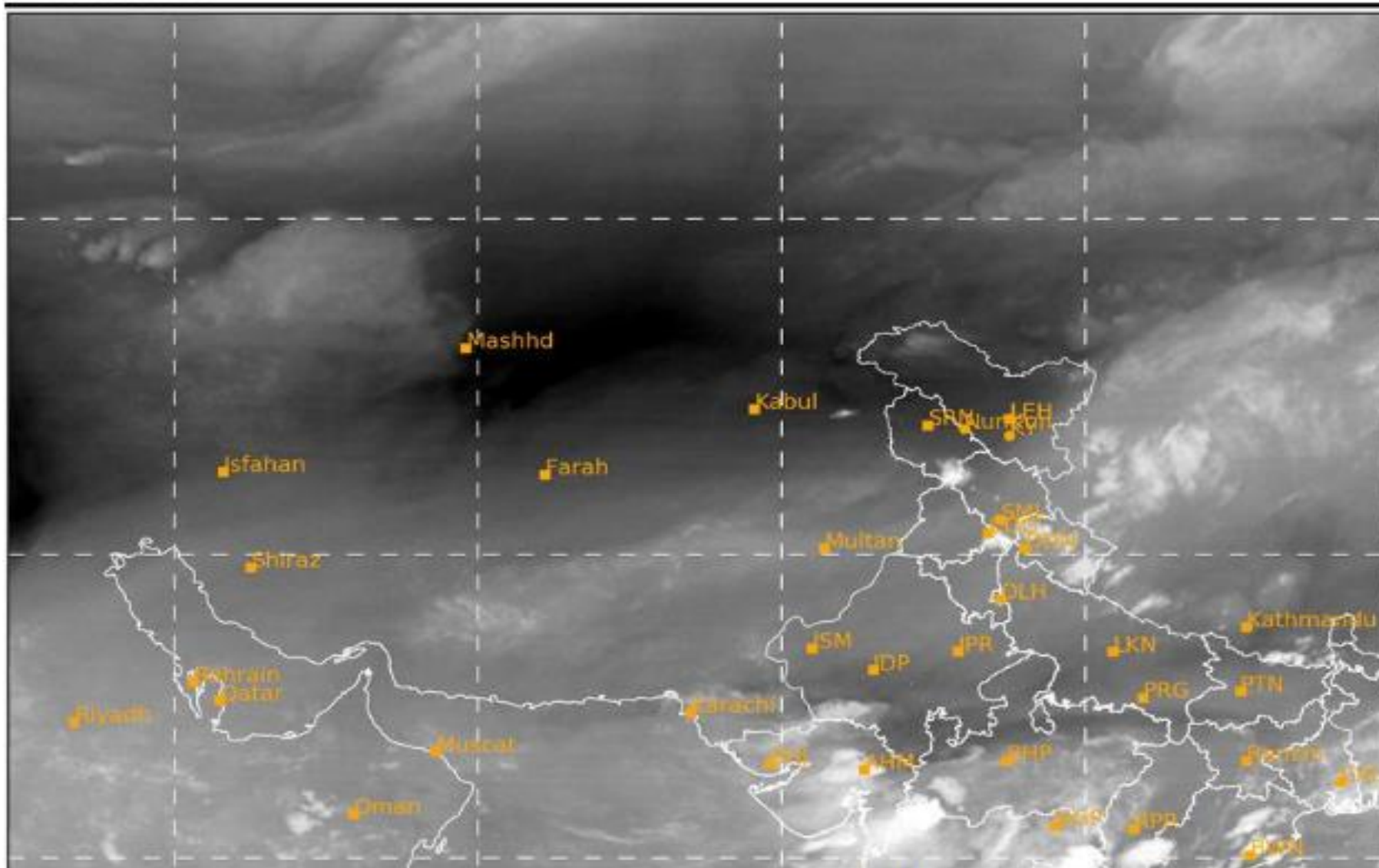
Satellite Water Vapor

Sat 08/16/2025, 04:00am GMT+0430



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

15-08-2025/(2215 to 2242) GMT
16-08-2025/(0345 to 0412) IST



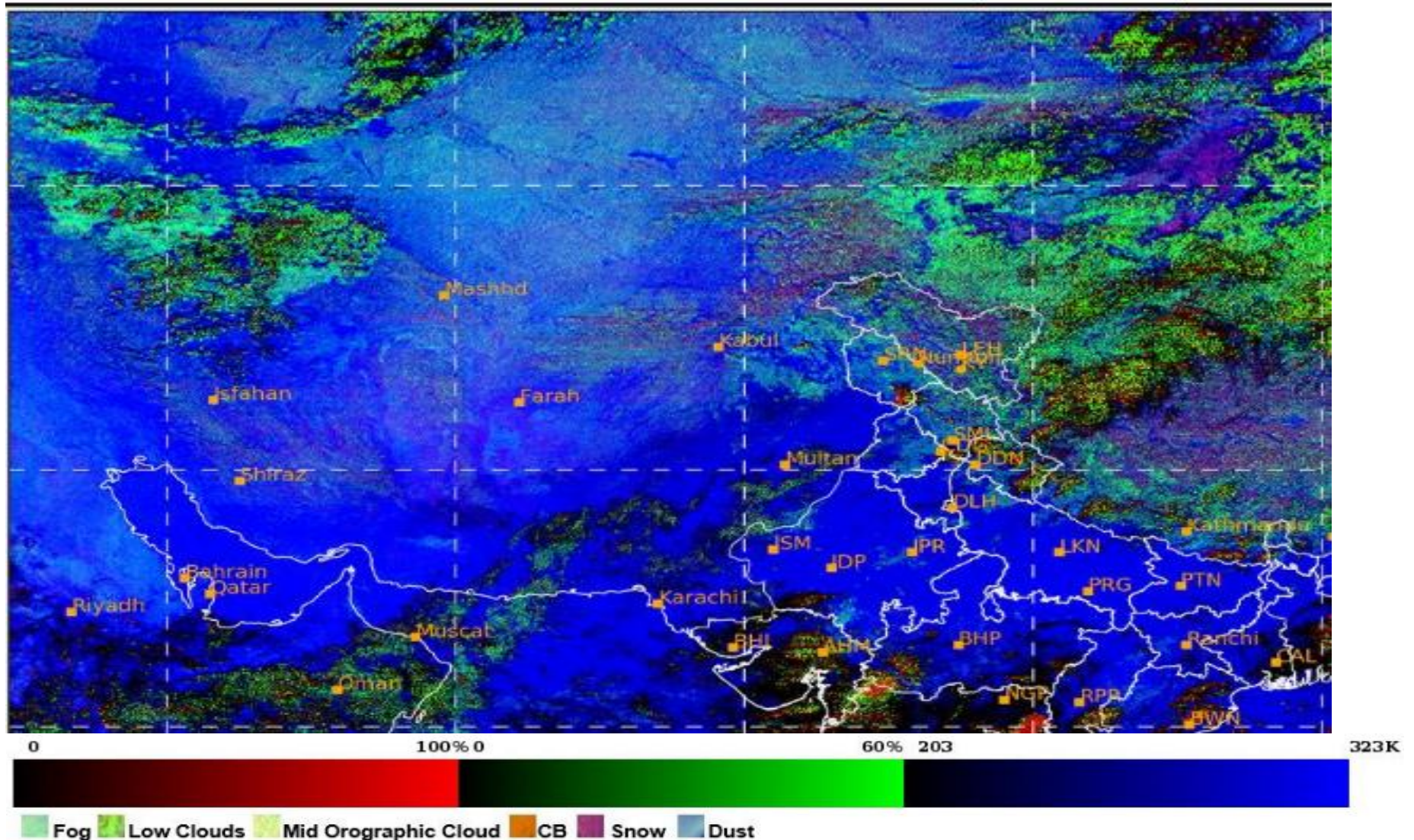
SAT : INSAT-3DR IMG

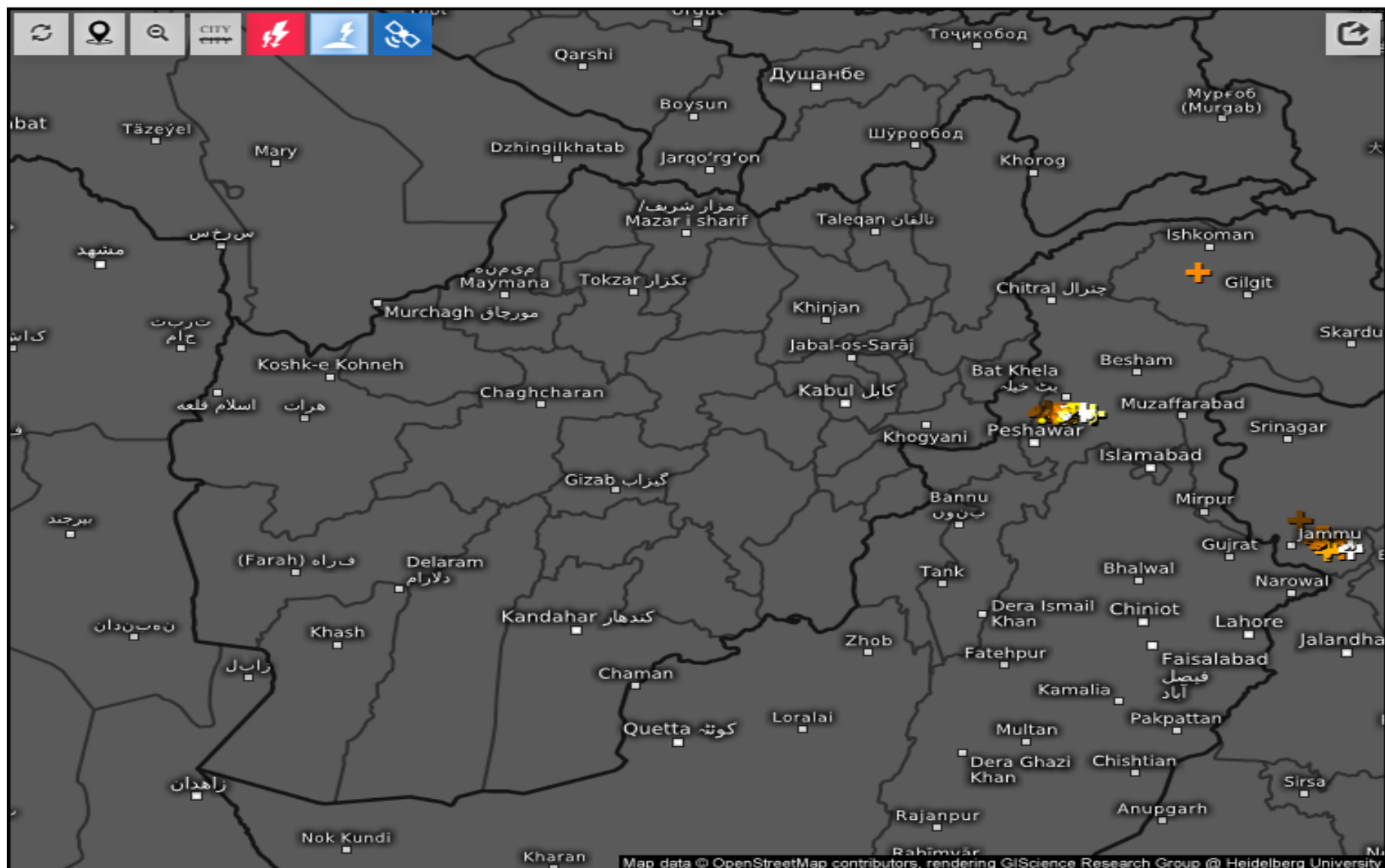
15-08-2025/(2215 to 2242) GMT

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

L1C Mercator

16-08-2025/(0345 to 0412) IST





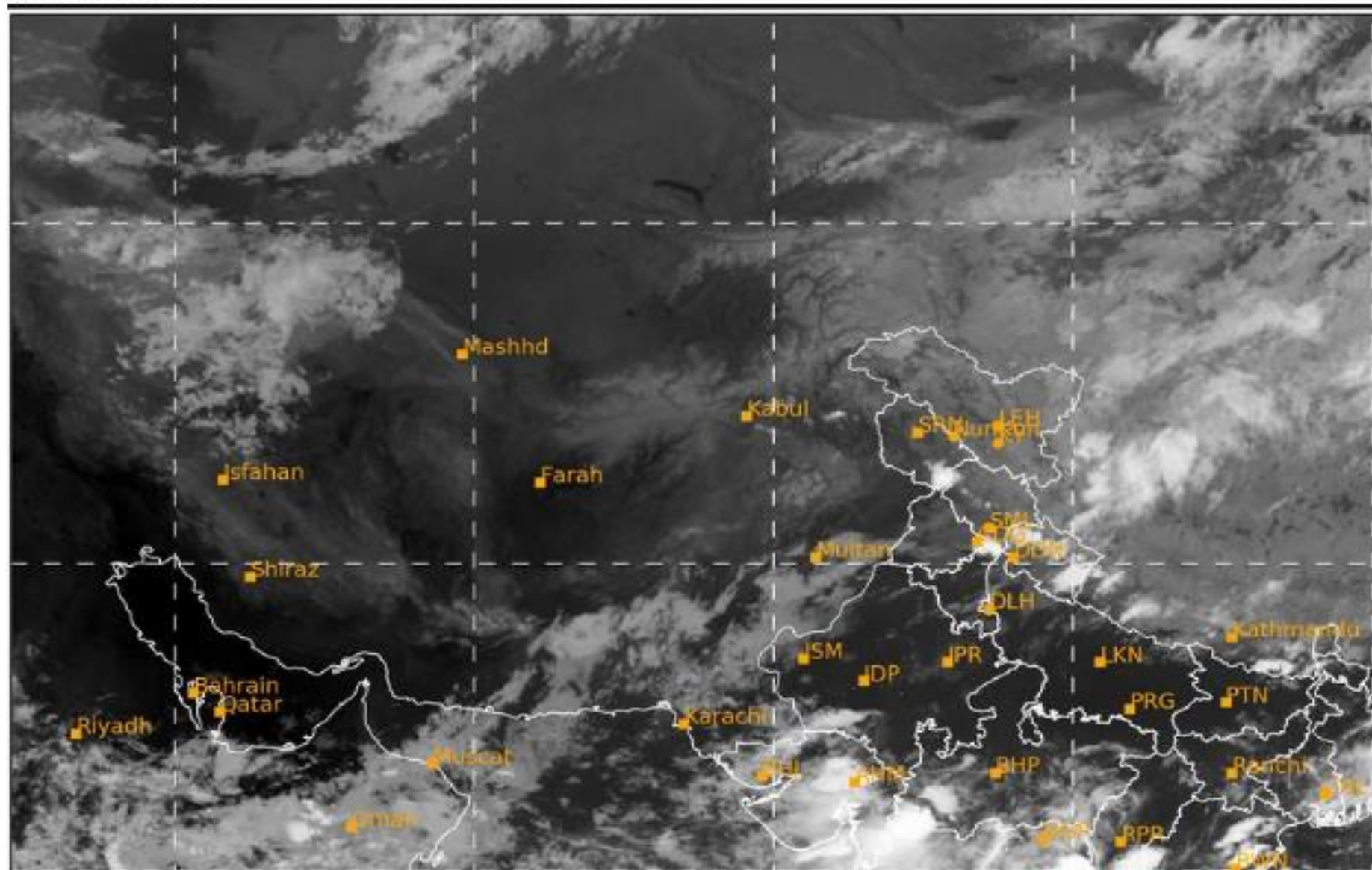
Age of lightning (minutes) 

Sat 08/16/2025, 04:15am GMT+0430



SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

15-08-2025/(2215 to 2242) GMT
16-08-2025/(0345 to 0412) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-08-15 23:30(UTC)

