



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



Daily reports of Satellite imagery analysis. Date & Time: 24/08/2025, 15:00 UTC

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

- **Details:** According to satellite imagery analysis, the northern, south, eastern, western, central, northeastern, southeastern, southwestern and northwestern areas have warm air mass (High UTH). The northern, southern, western, central, southeastern, northwestern and southwestern areas have dust. The eastern areas have lightning. The eastern and southeastern areas have cloudy sky. The all region have dry water vapor.

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-08-24 05:30

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

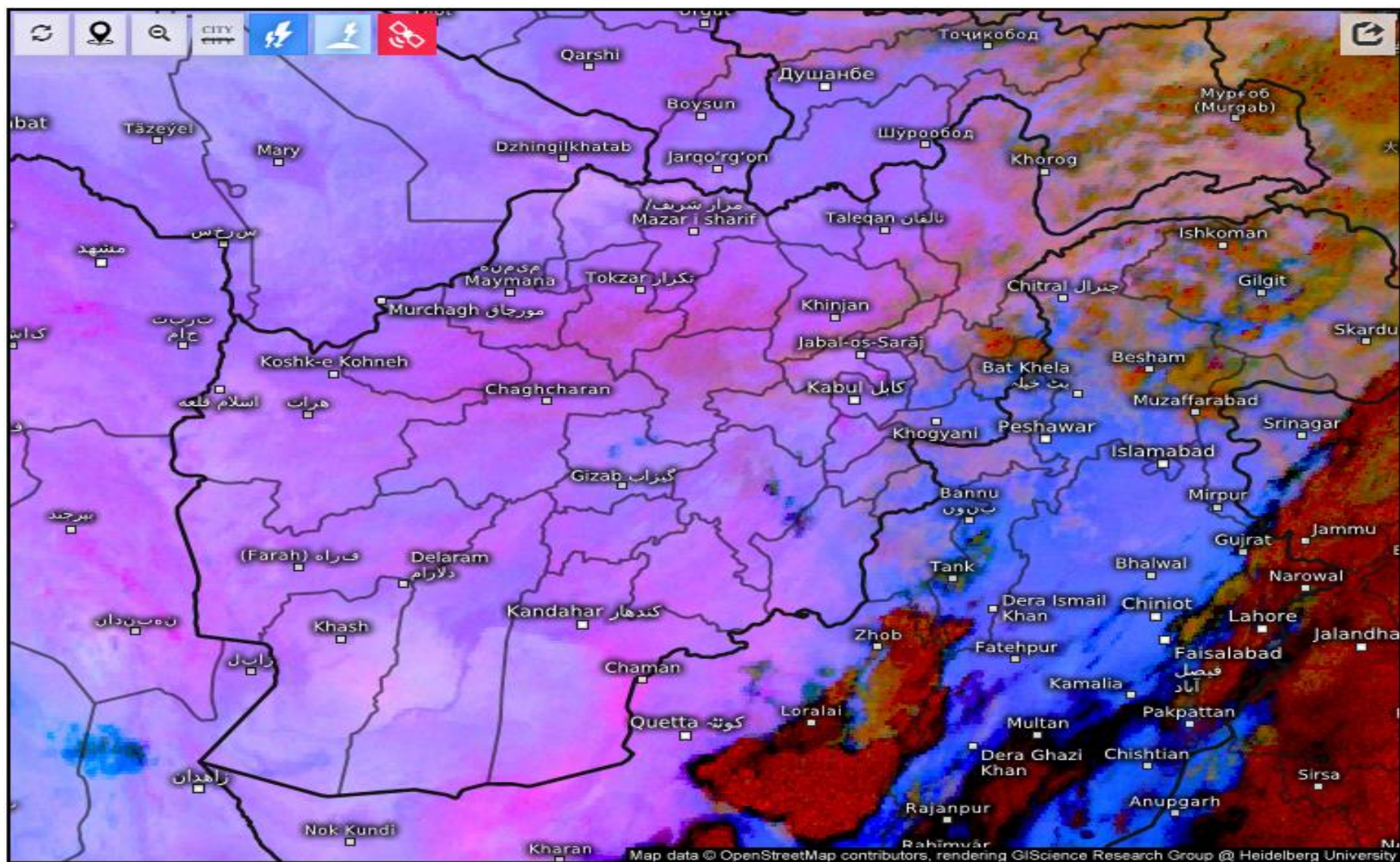
Cold Airmass

Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

FY-4B AirMass RGB Composite (From WMO)



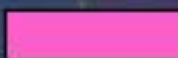


Satellite Dust 

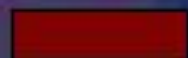
Sun 08/24/2025, 06:45pm GMT+0430

UTC : 2025-08-24 05:15

Dust



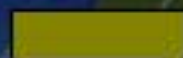
Dust



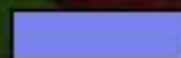
High-level cloud



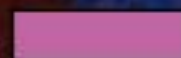
Thick,
mid-level cloud



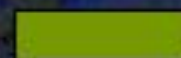
Thin,
mid-level cloud



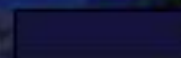
Ocean



Land



Low-level cloud

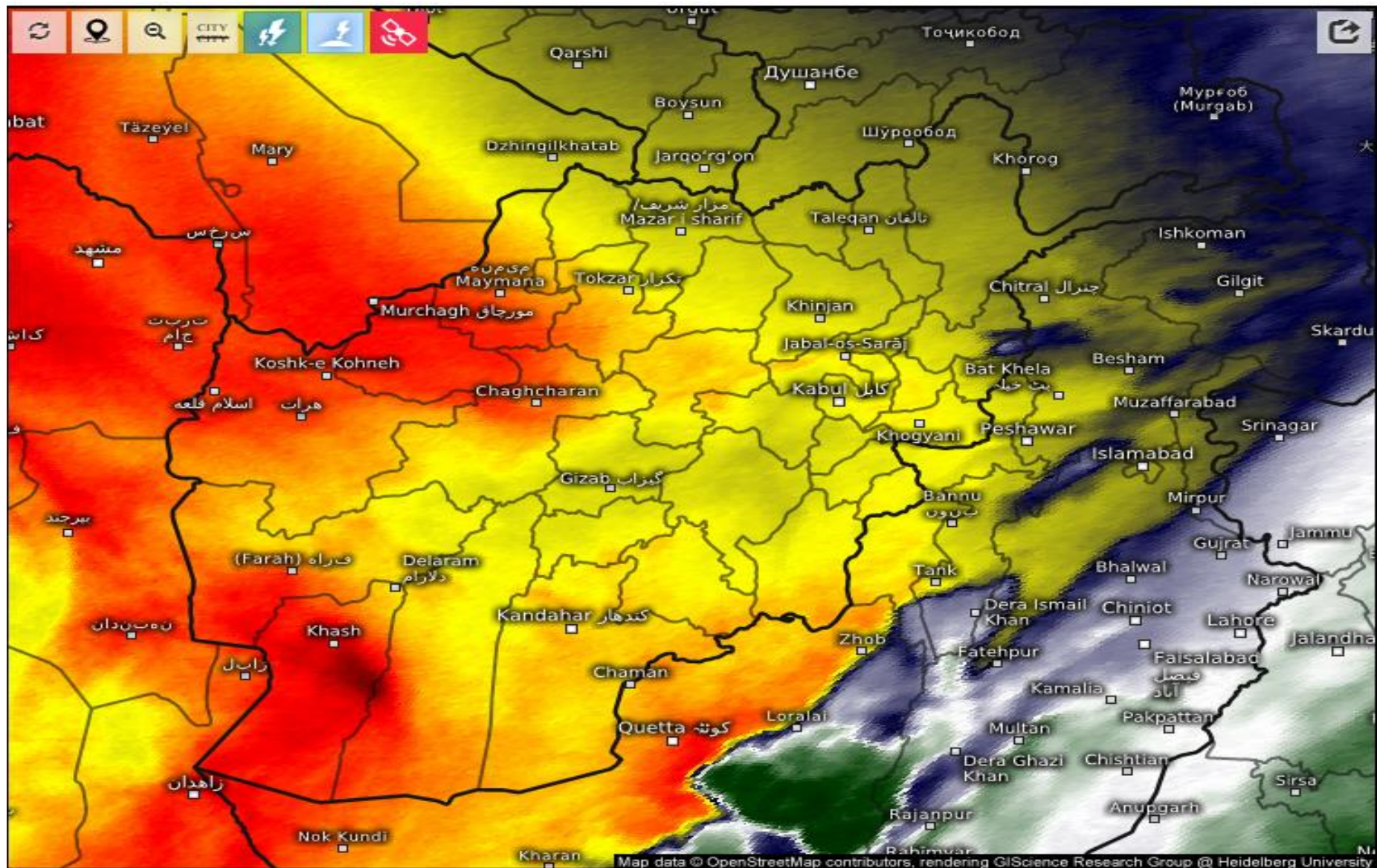


Cirrus

R
G
B

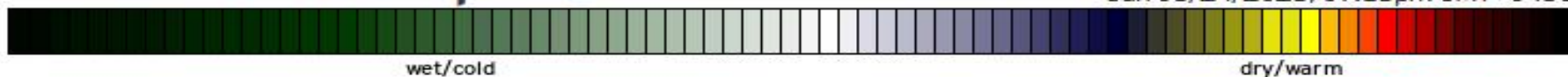
FY-4B Dust RGB Composite (From WMO)





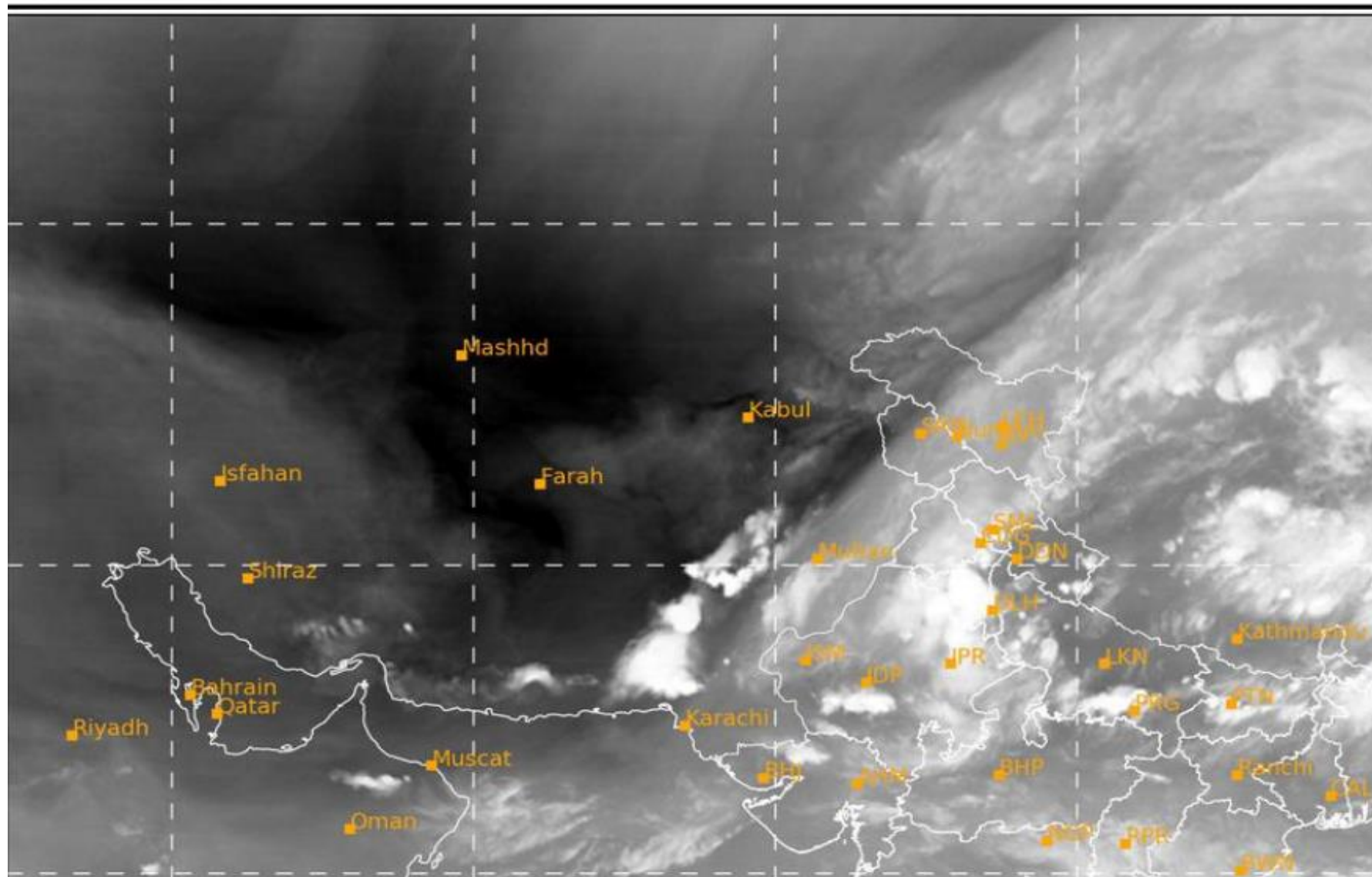
Satellite Water Vapor

Sun 08/24/2025, 07:15pm GMT+0430



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

24-08-2025/(1315 to 1342) GMT
24-08-2025/(1845 to 1912) IST



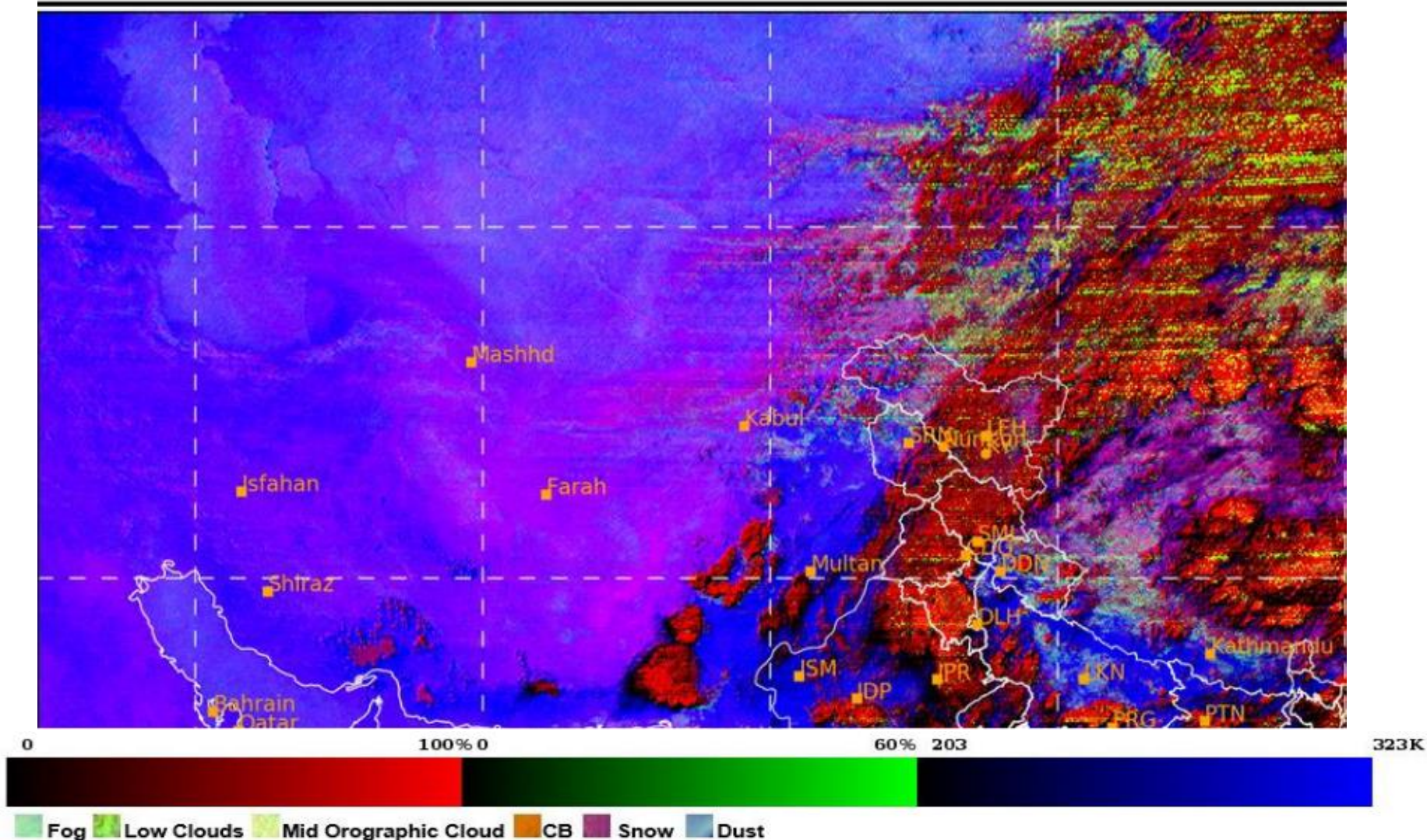
SAT : INSAT-3DR IMG

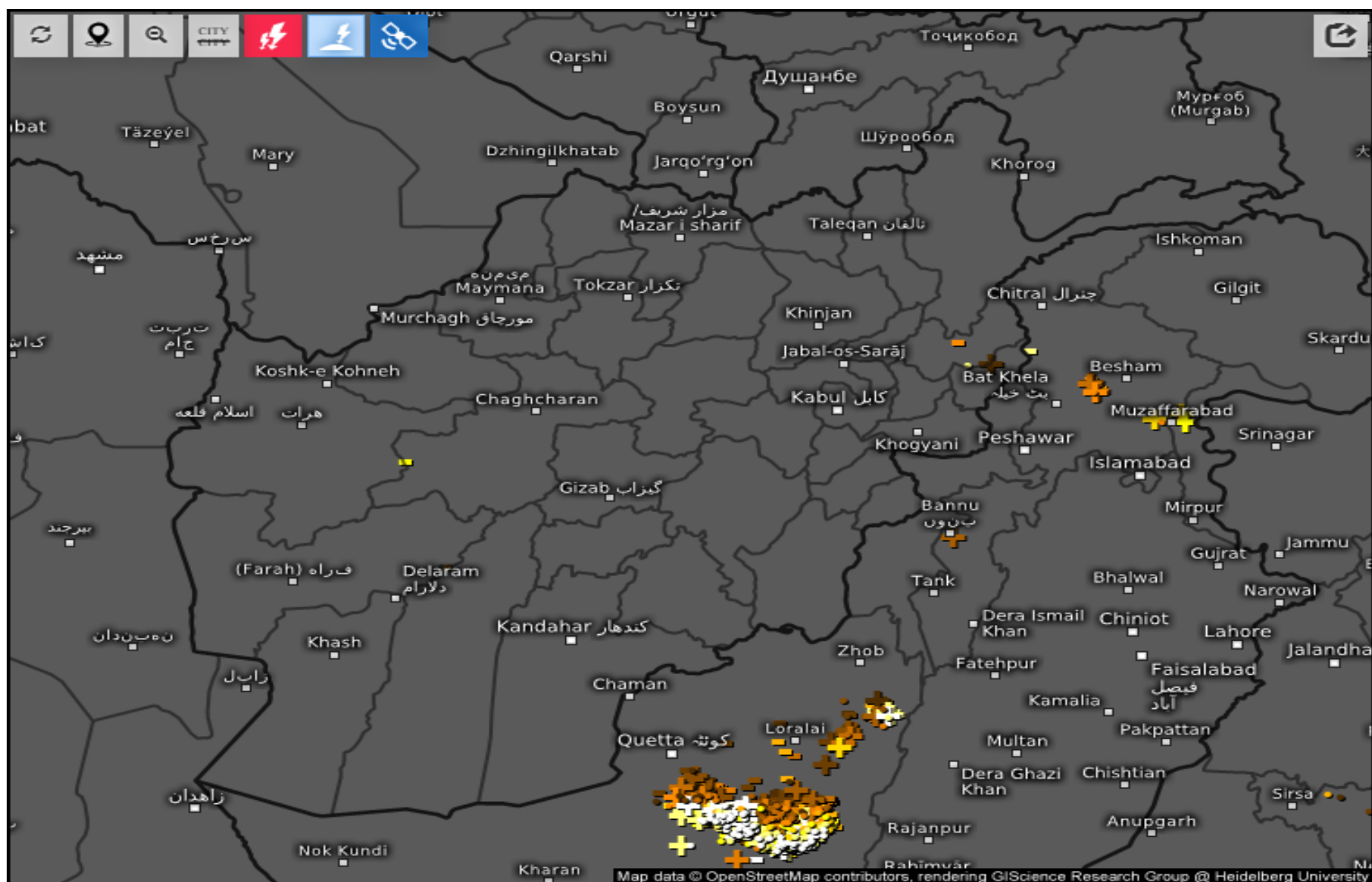
24-08-2025/(1315 to 1342) GMT

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

L1C Mercator

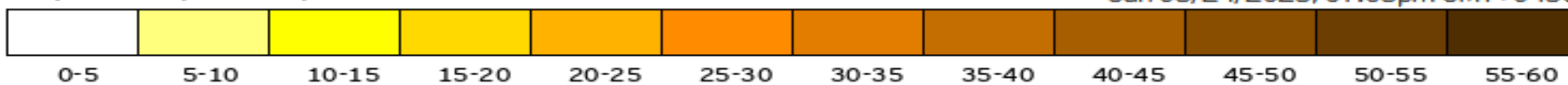
24-08-2025/(1845 to 1912) IST





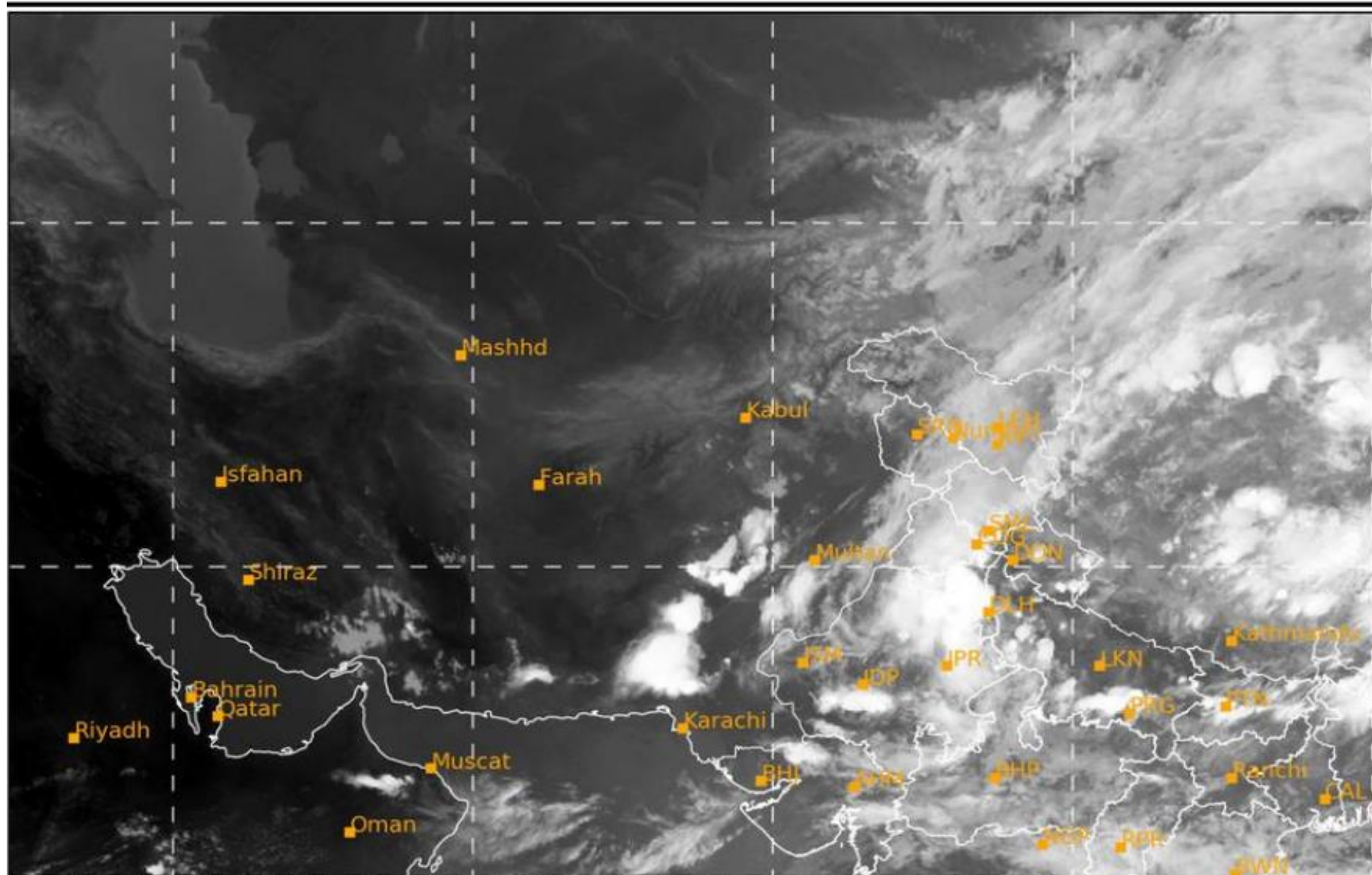
Age of lightning (minutes) 

Sun 08/24/2025, 07:05pm GMT+0430



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

24-08-2025/(1315 to 1342) GMT
24-08-2025/(1845 to 1912) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-08-24 14:15(UTC)

