



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



Daily reports of Satellite imagery analysis. Date & Time: 22/08/2025, 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	X	√ weak	X	X	
3	West	X	✓	X	X	X	√ dry	X	X	
4	East	✓	X	X	✓	X	√ weak	X	X	
5	central	✓	✓	X	X	X	√ weak	X	X	
6	Northeast	✓	X	X	X	X	√ weak	X	X	
7	Southeast	X	X	X	✓	X	√ dry	X	X	
8	Northwest	✓	✓	X	X	X	√ dry	X	X	
9	Southwest	X	✓	X	X	X	√ dry	X	X	

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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-08-22 05:30

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

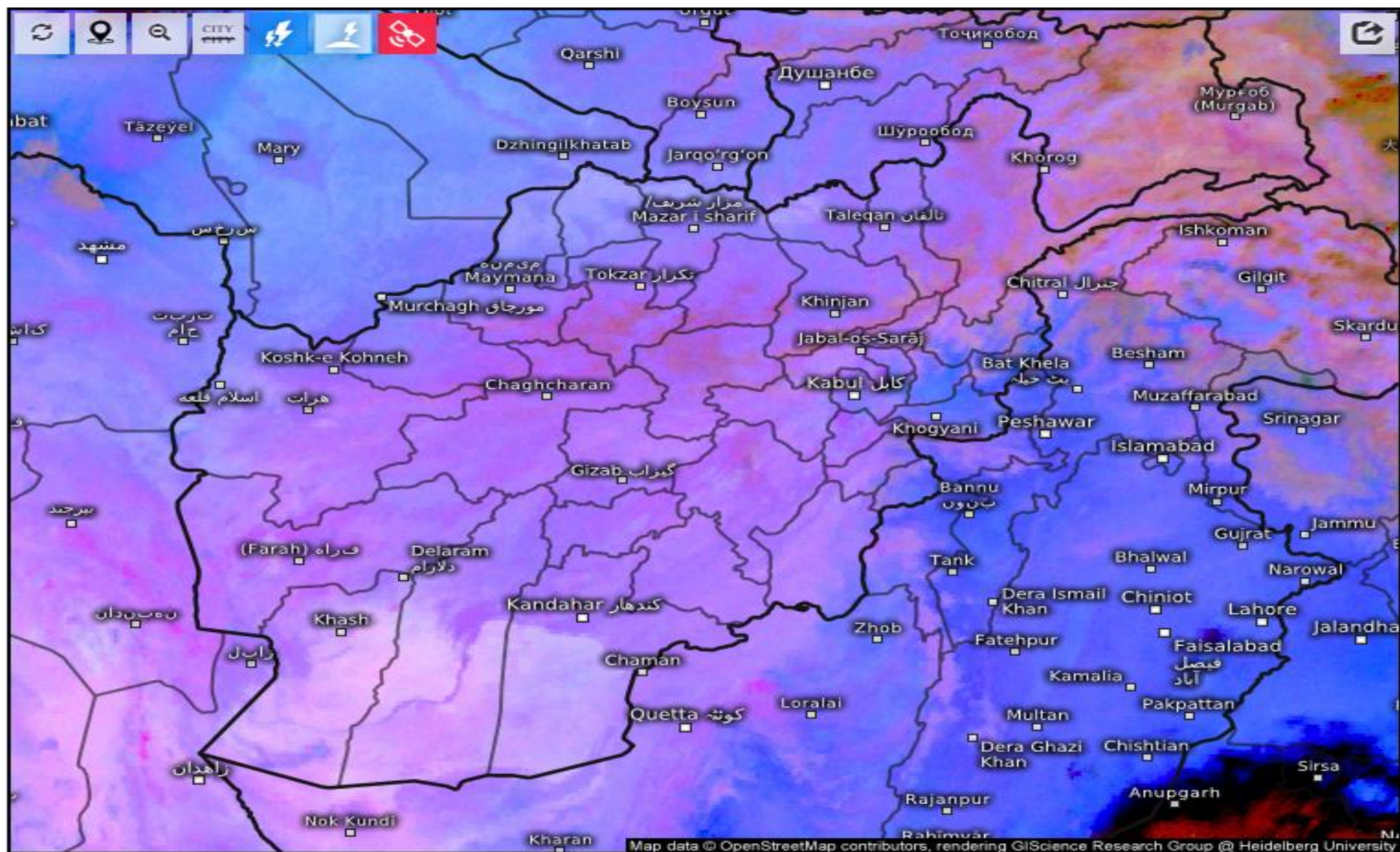
Cold Airmass

Warm Airmass
(high UTH)

Warm Air
(low UT

FY-4B AirMass RGB Composite (From WMO

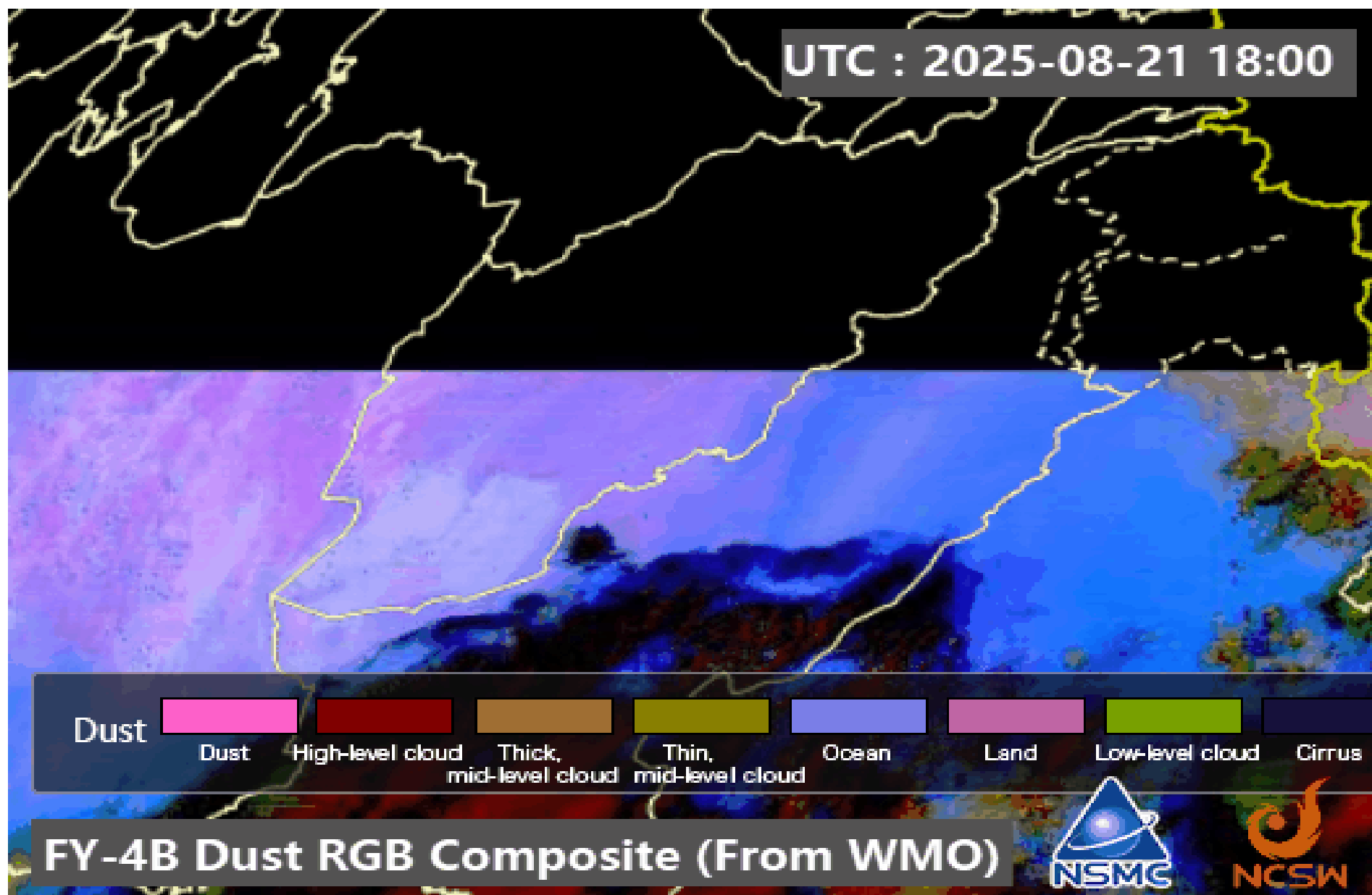




Satellite Dust 

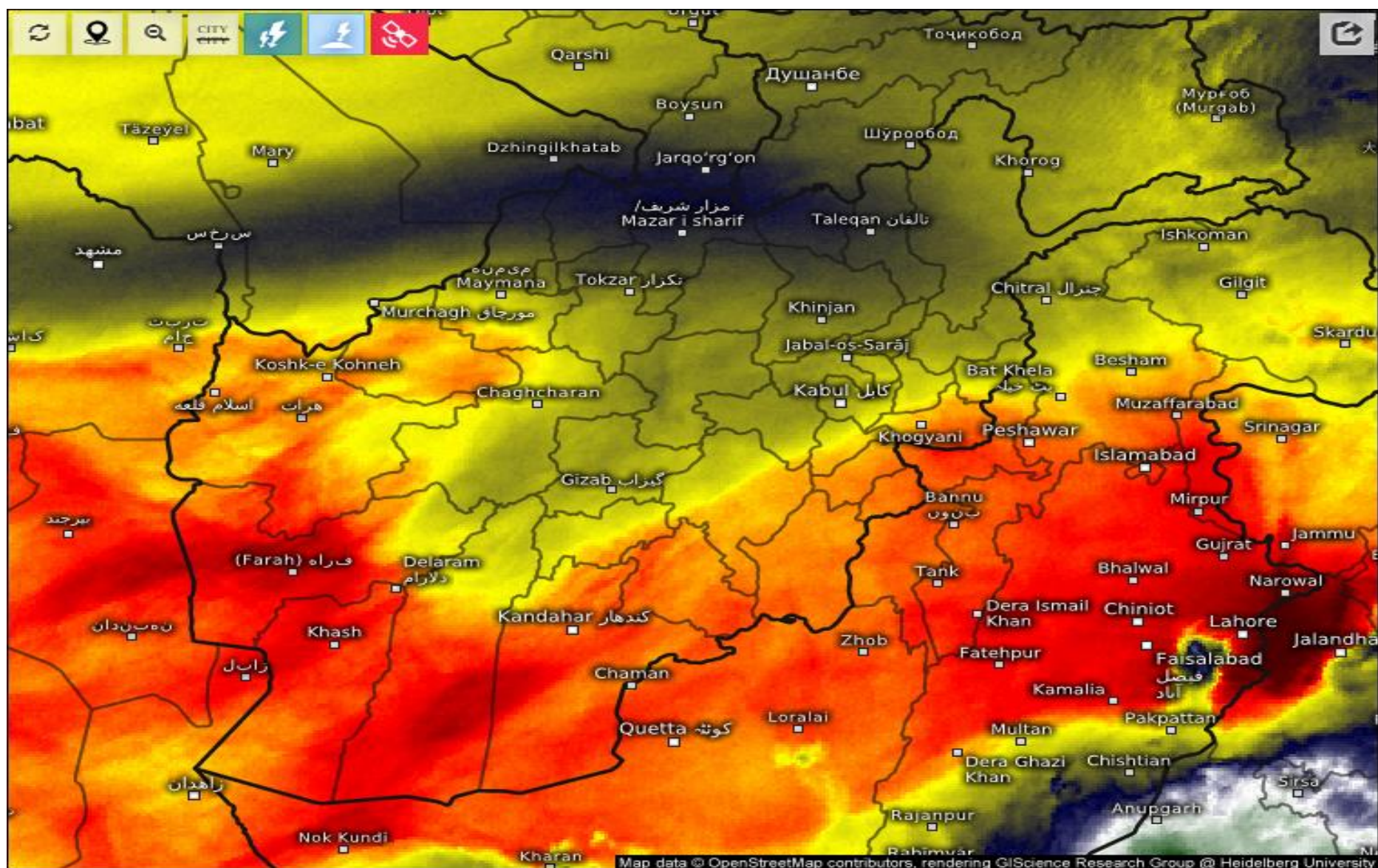
Fri 08/22/2025, 07:00pm GMT+0430

UTC : 2025-08-21 18:00



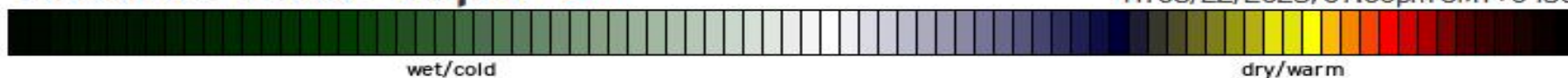
FY-4B Dust RGB Composite (From WMO)





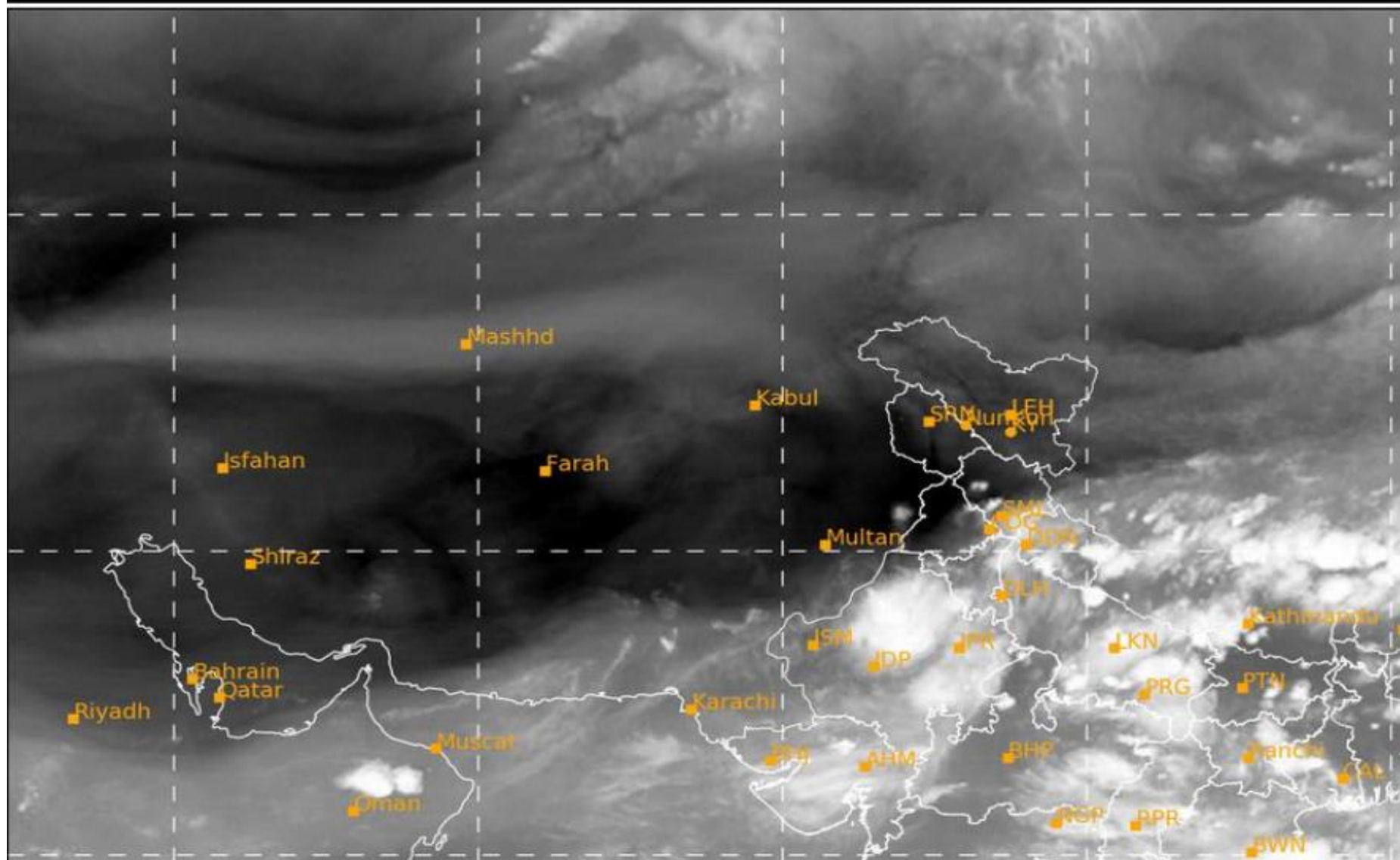
Satellite Water Vapor

Fri 08/22/2025, 07:00pm GMT+0430



L1C Mercator

22-08-2025/(1845 to 1912) IST



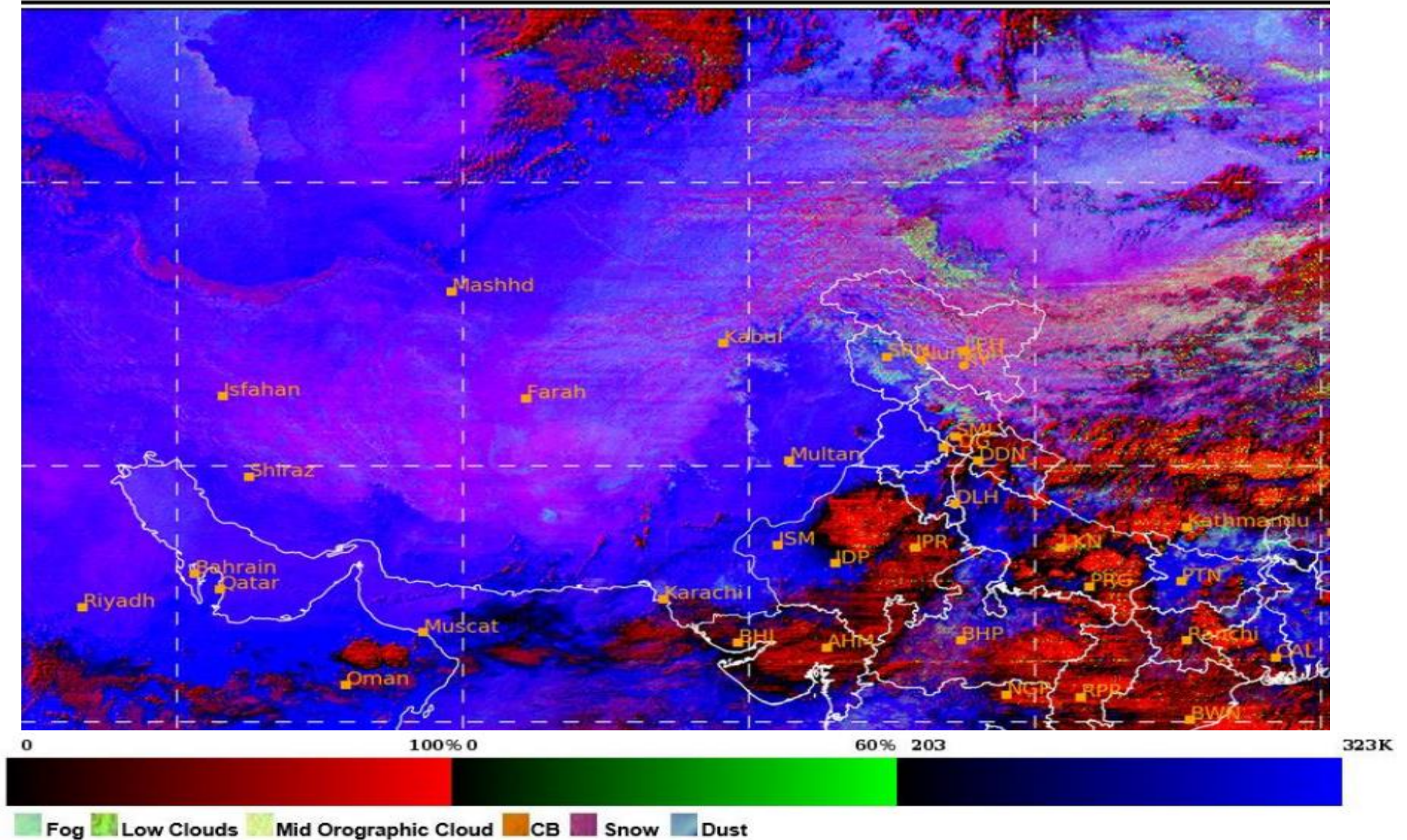
SAT : INSAT-3DR IMG

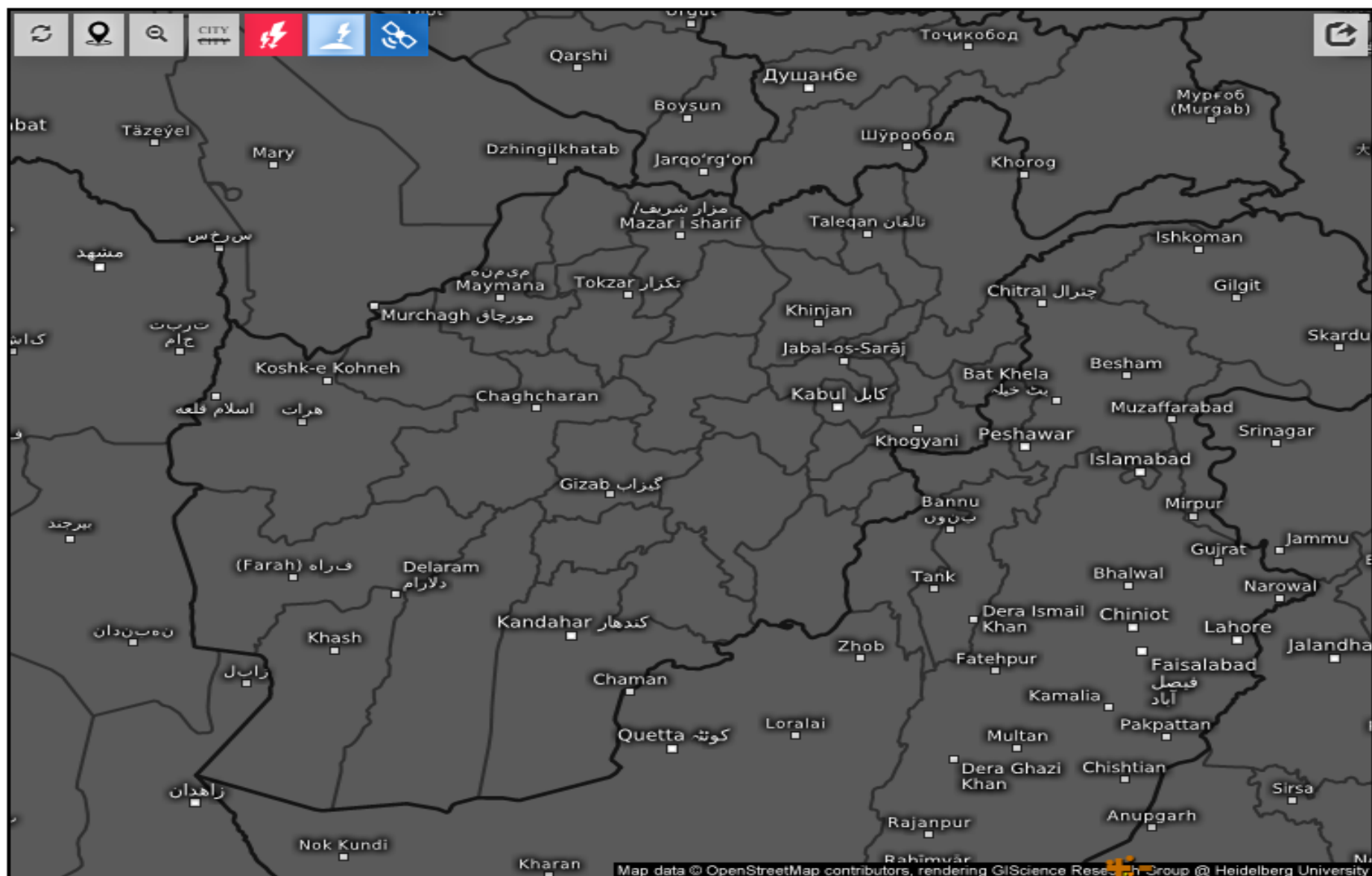
22-08-2025/(1315 to 1342) GMT

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

L1C Mercator

22-08-2025/(1845 to 1912) IST





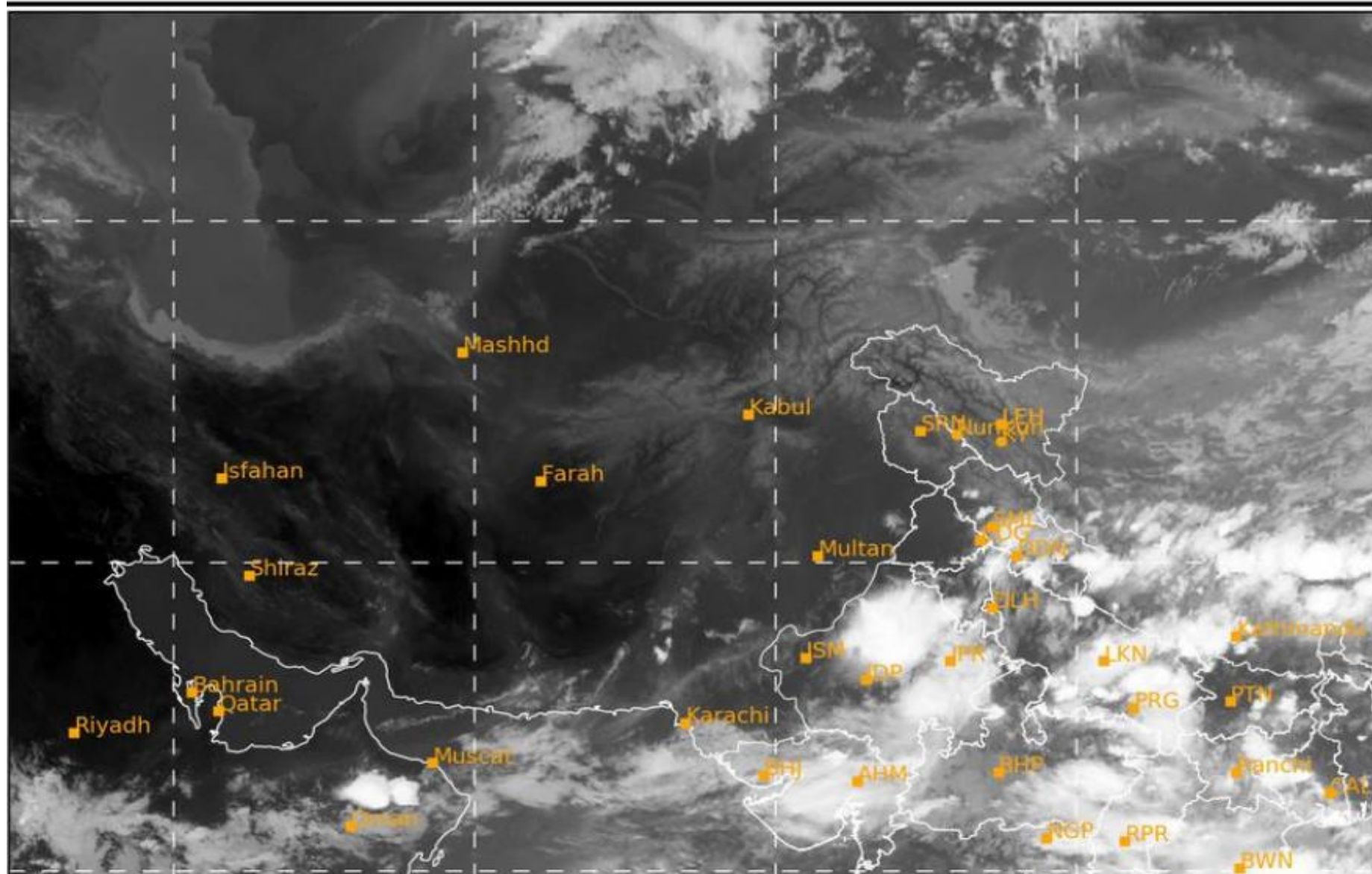
Age of lightning (minutes) 

Fri 08/22/2025, 07:10pm GMT+0430



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

22-08-2025/(1315 to 1342) GMT
22-08-2025/(1845 to 1912) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-08-22 14:15(UTC)

