



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



Daily reports of Satellite imagery analysis. Date & Time: 09/08/2025, 00:00 UTC

No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	X	X	X	√ dry	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	√ moderate	X	X	
5	central	✓	X	X	✓	X	√ dry	X	X	
6	Northeast	✓	X	X	✓	X	√ dry	X	X	
7	Southeast	✓	X	X	✓	X	√ dry	X	X	
8	Northwest	✓	✓	X	X	X	√ dry	X	X	
9	Southwest	✓	✓	X	X	X	√ dry	X	X	

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

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

- Reported by: Esmatullah Mohammadi

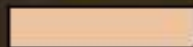
UTC : 2025-08-08 14:30

AirMass



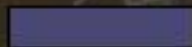
Thick,

high-level cloud



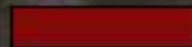
Thick,

mid-level cloud



Thick,

low-level cloud



Jet



Cold Airmass



Warm Airmass

(high UTH)



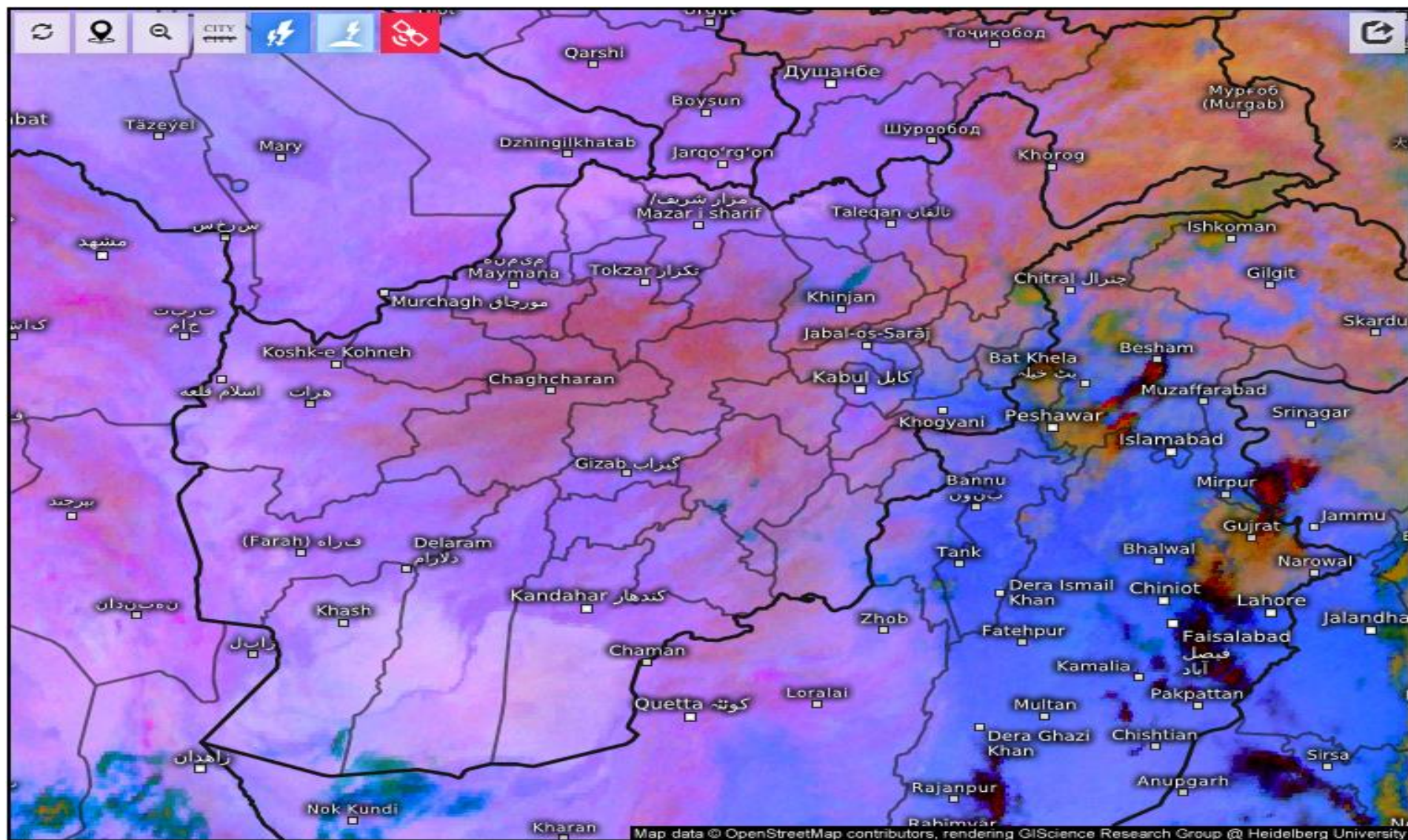
Warm Airmass

(low UTH)

R=
G=
B=

FY-4B AirMass RGB Composite (From WMO)

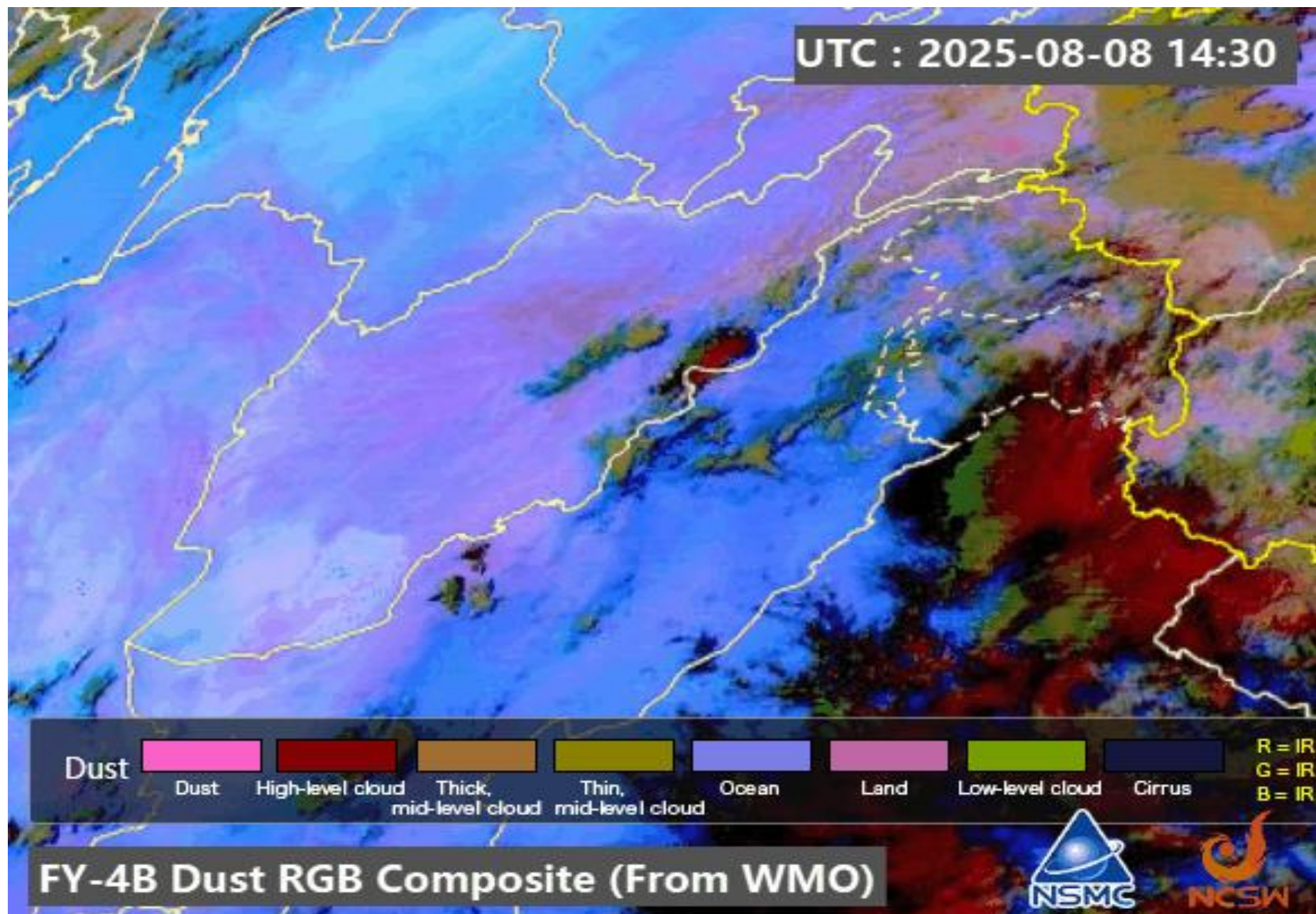


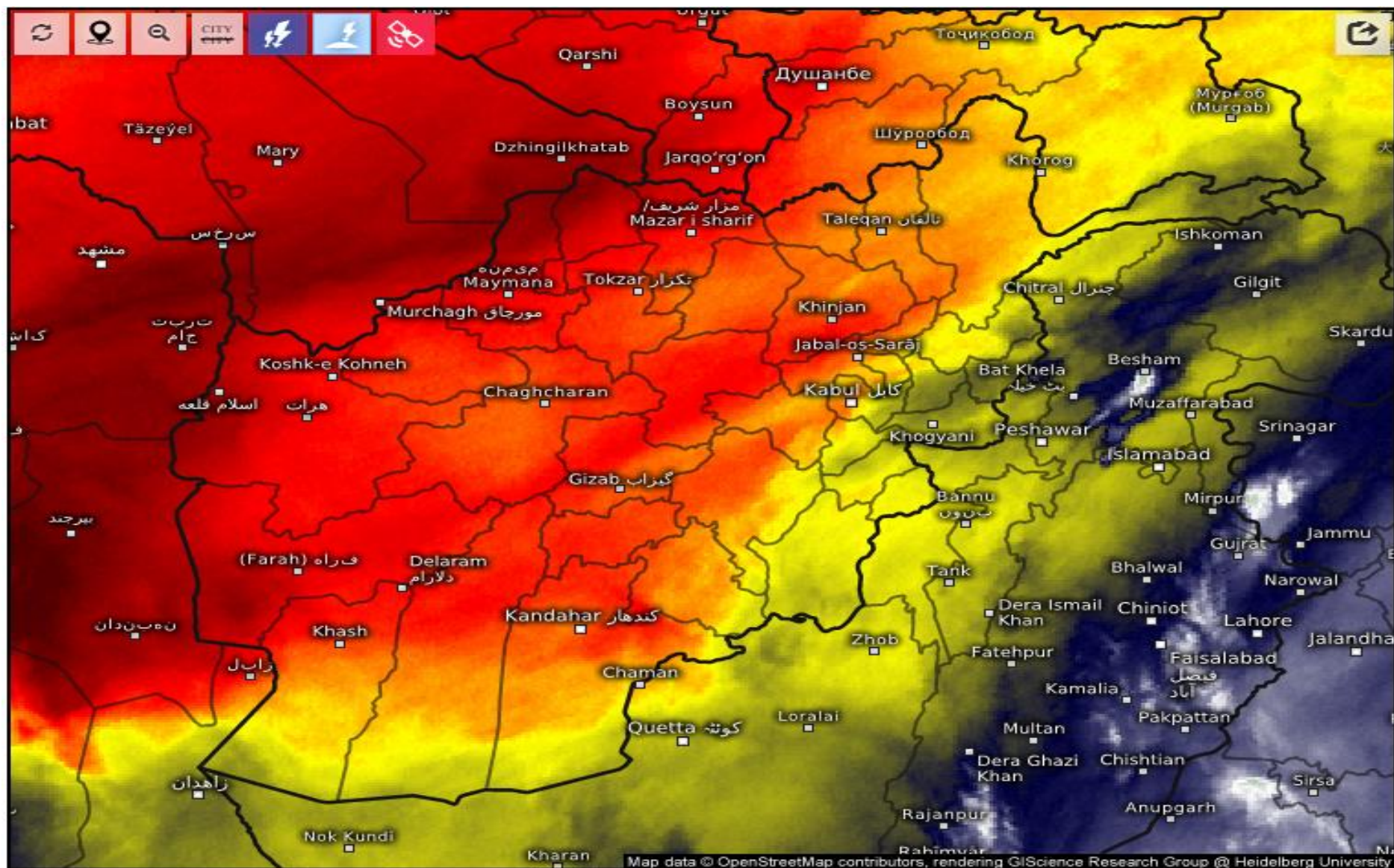


Satellite Dust 

Sat 08/09/2025, 04:00am GMT+0430

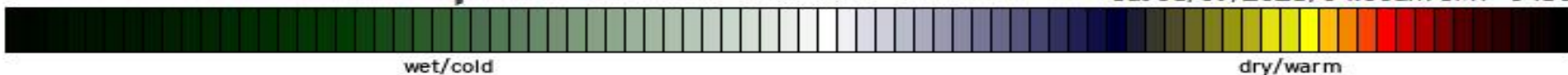
UTC : 2025-08-08 14:30





Satellite Water Vapor

Sat 08/09/2025, 04:00am GMT+0430



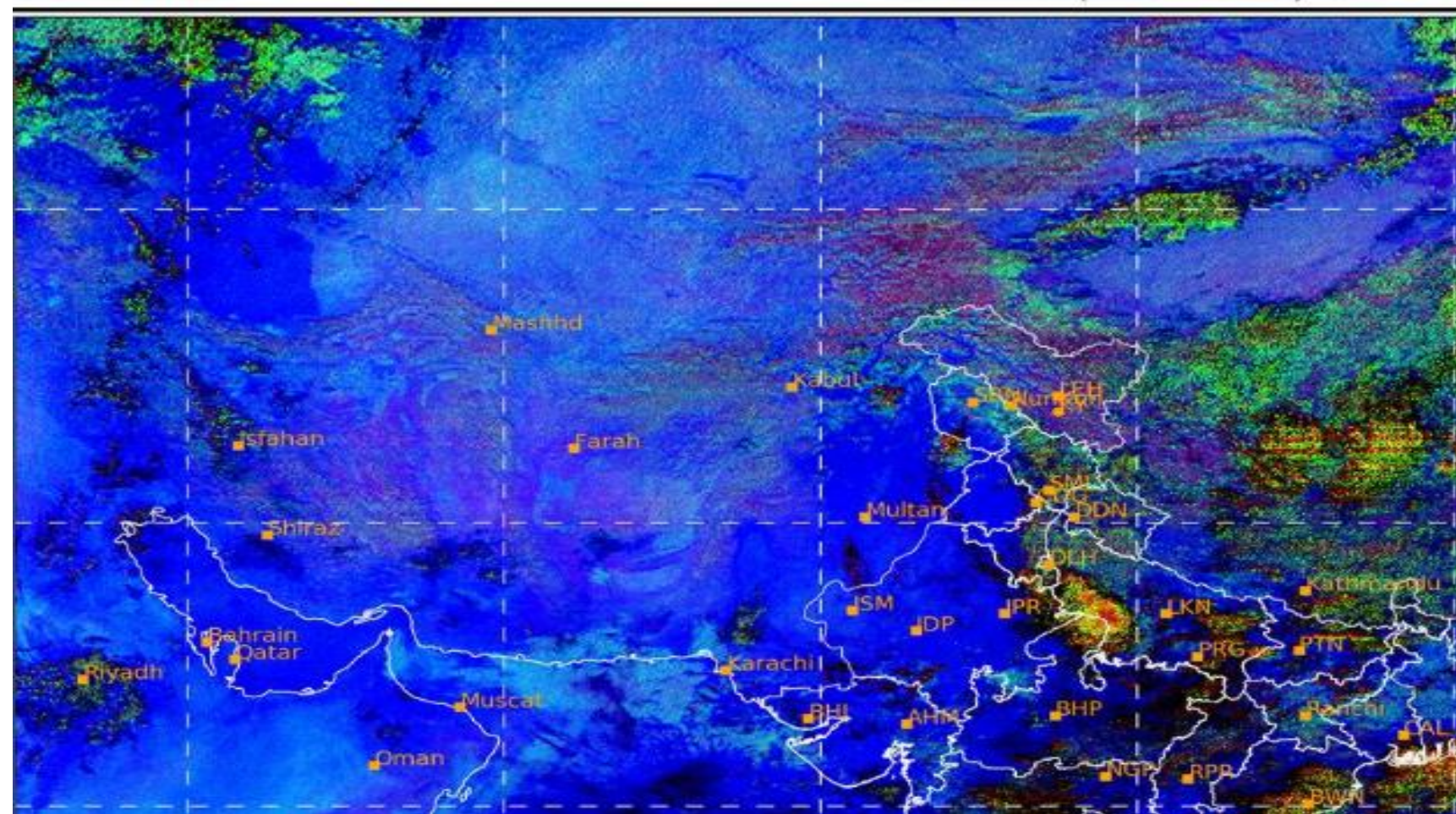
SAT : INSAT-3DR IMG

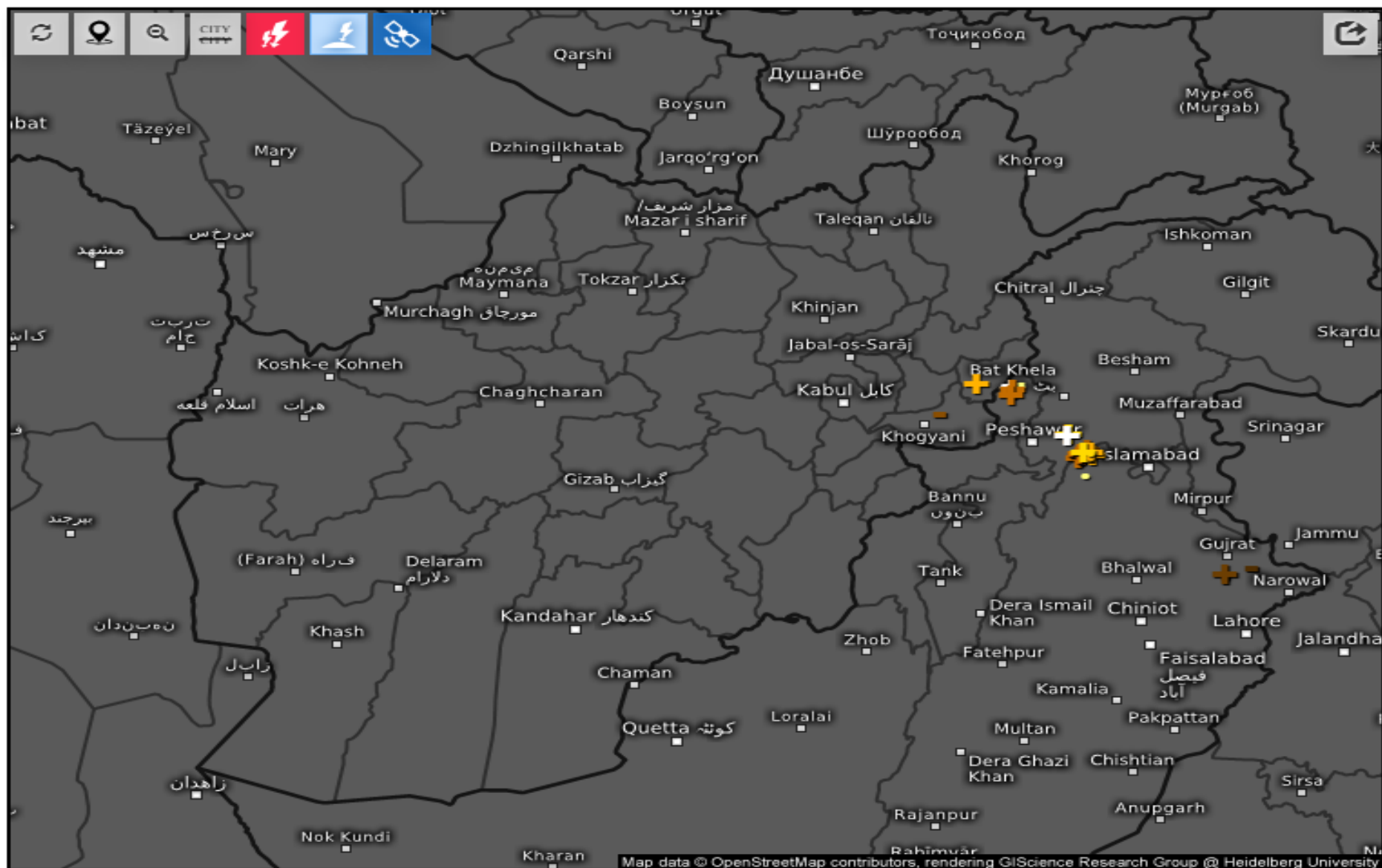
08-08-2025/(2215 to 2242) GMT

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

L1C Mercator

09-08-2025/(0345 to 0412) IST





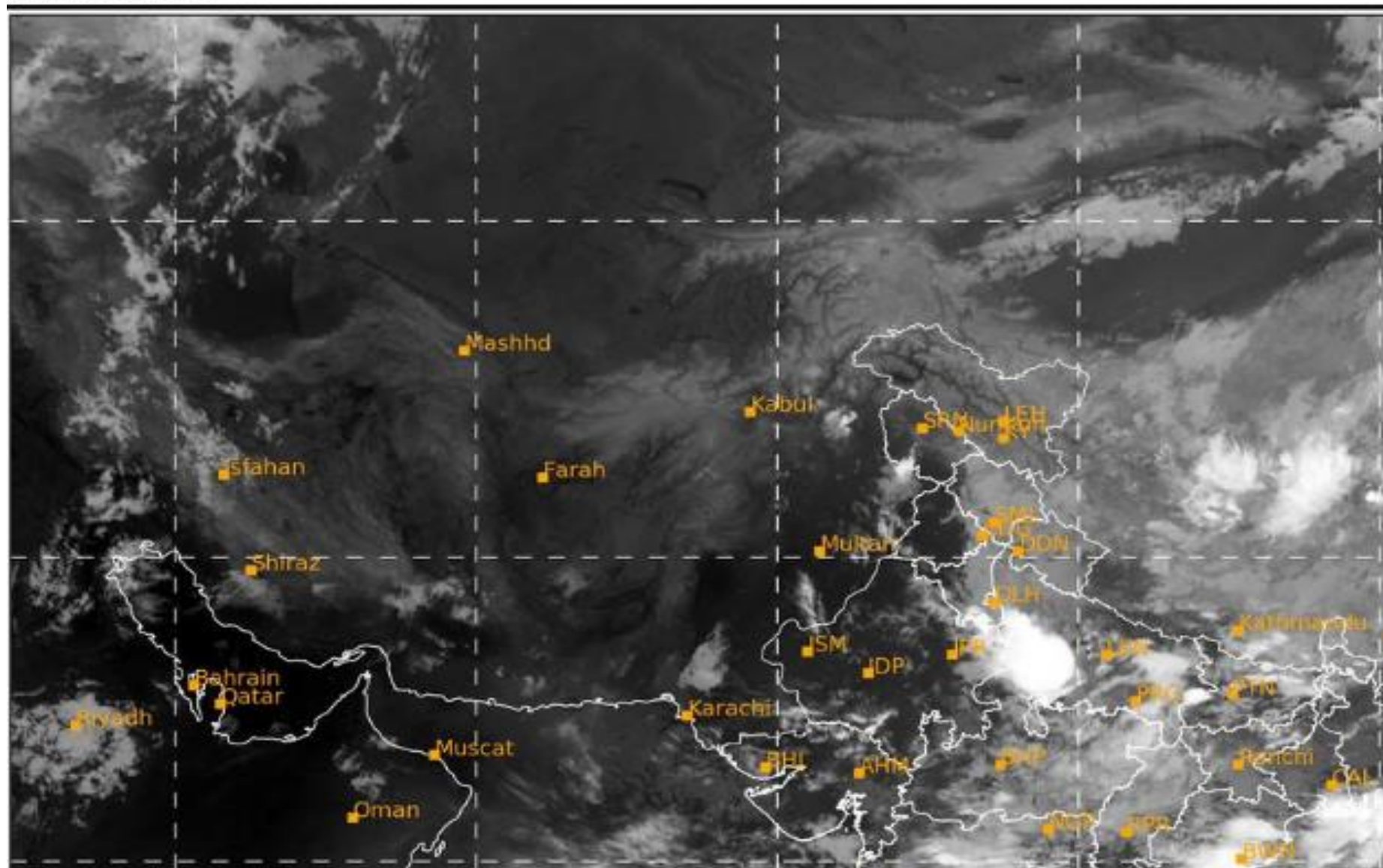
Age of lightning (minutes) 

Sat 08/09/2025, 04:15am GMT+0430



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

08-08-2025/(2215 to 2242) GMT
09-08-2025/(0345 to 0412) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-08-08 23:15(UTC)

