



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



Daily reports of Satellite imagery analysis. Date & Time: 21/08/2025, 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	√ weak	X	X	
3	West	X	✓	X	X	X	√ weak	X	X	
4	East	✓	X	X	✓	X	√ weak	X	X	
5	central	✓	✓	X	X	X	√ weak	X	X	
6	Northeast	✓	X	X	✓	X	√ weak	X	X	
7	Southeast	X	X	X	✓	X	√ weak	X	X	
8	Northwest	✓	✓	X	X	X	√ dry	X	X	
9	Southwest	X	✓	X	X	X	√ weak	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 northwestern areas have dry water vapor.

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-08-21 05:00

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

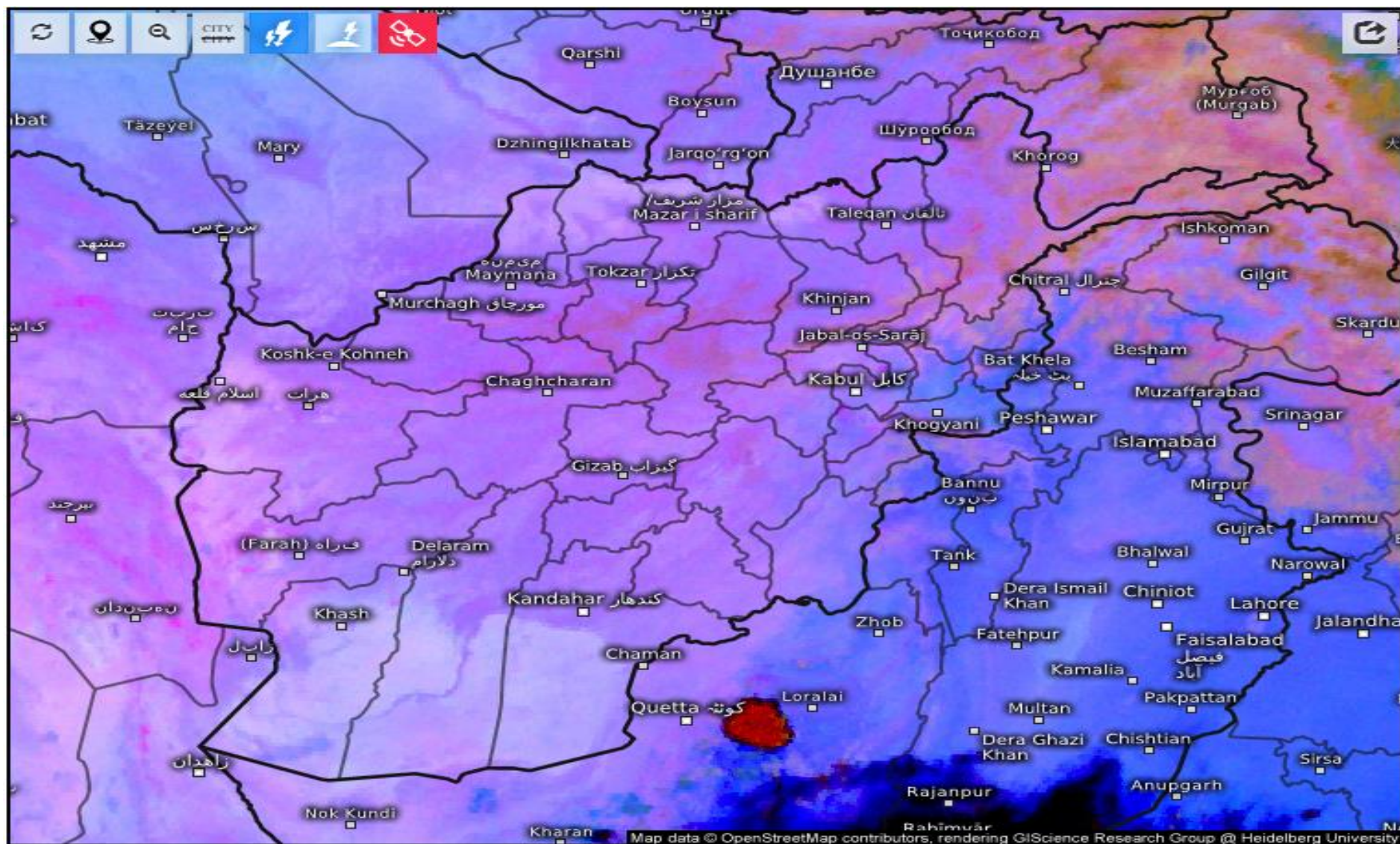
Cold Airmass

Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust 

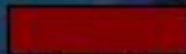
Thu 08/21/2025, 07:00pm GMT+0430

UTC : 2025-08-21 05:15

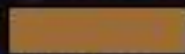
Dust



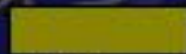
Dust



High-level cloud



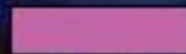
Thick,
mid-level cloud



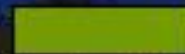
Thin,
mid-level cloud



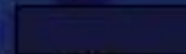
Ocean



Land



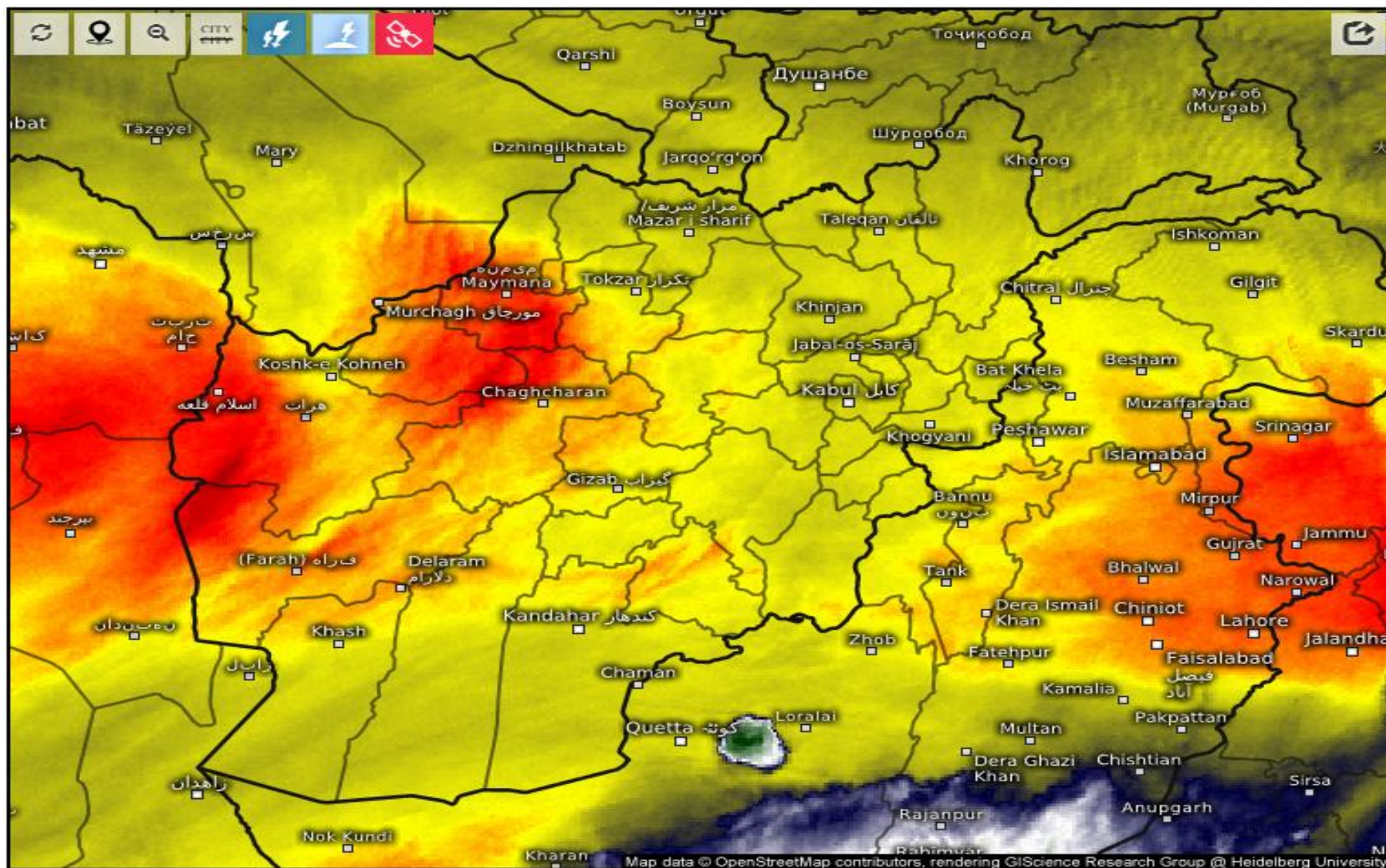
Low-level cloud



Cirrus

FY-4B Dust RGB Composite (From WMO)





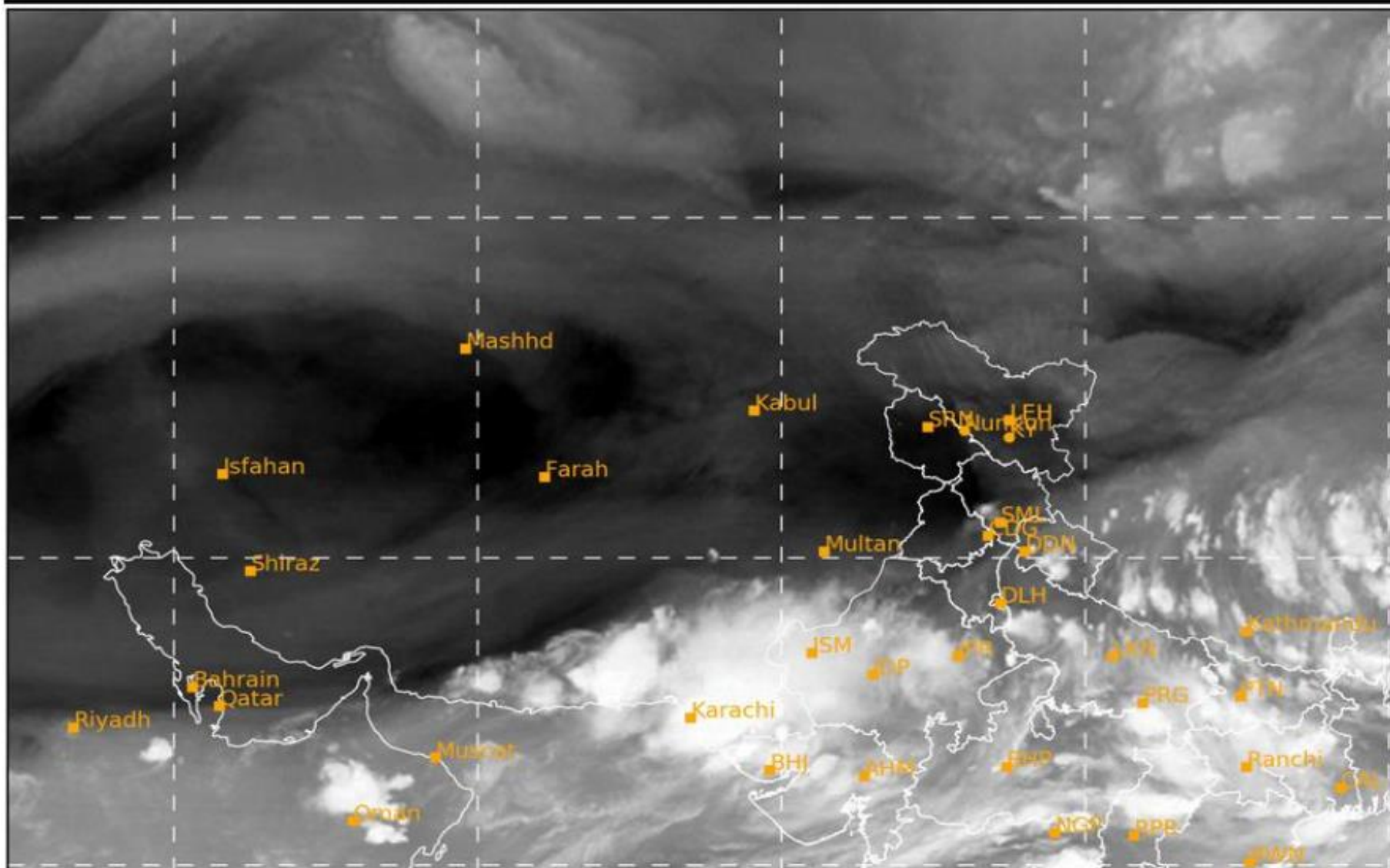
Satellite Water Vapor

Thu 08/21/2025, 07:00pm GMT+0430



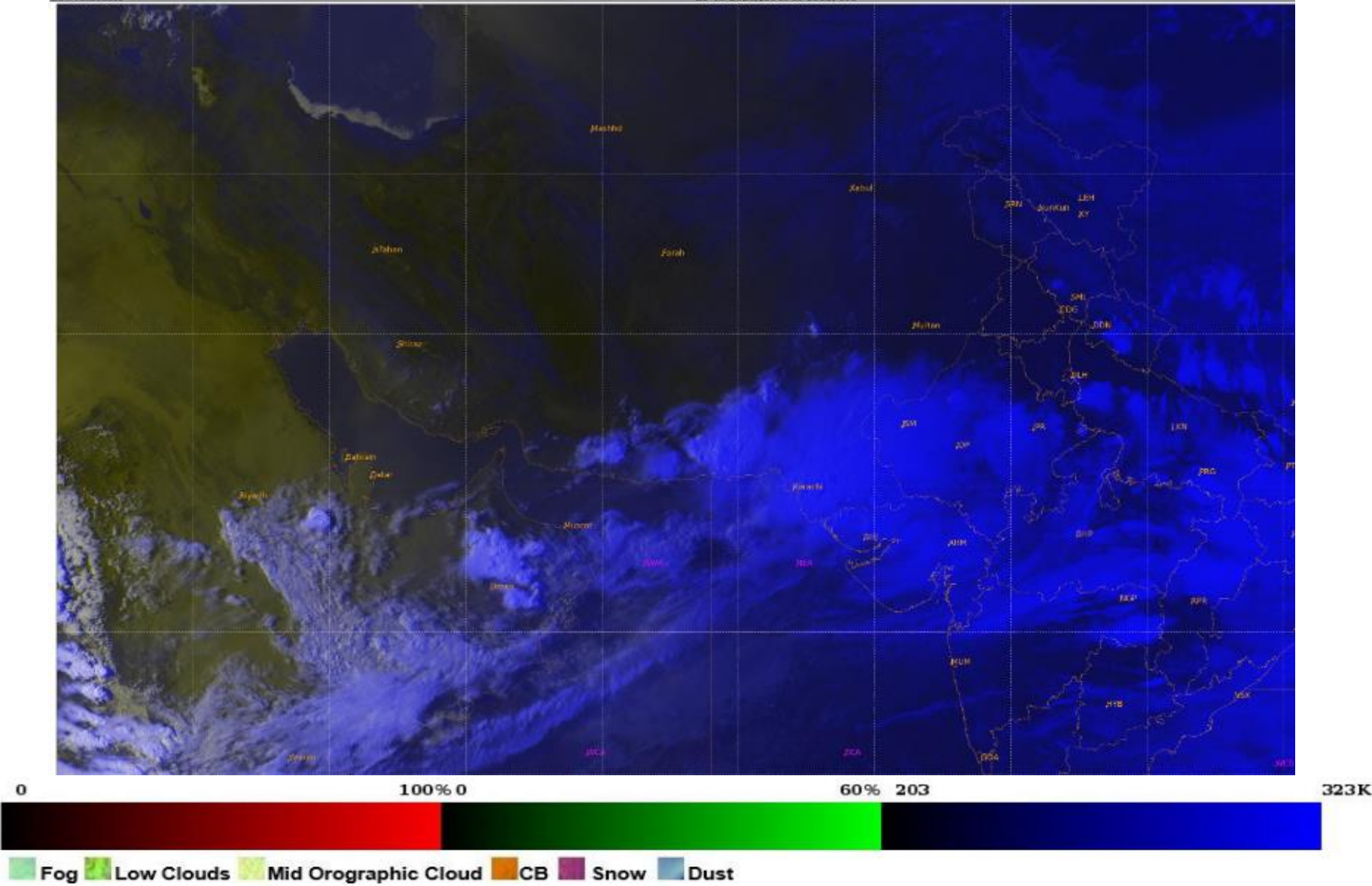
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

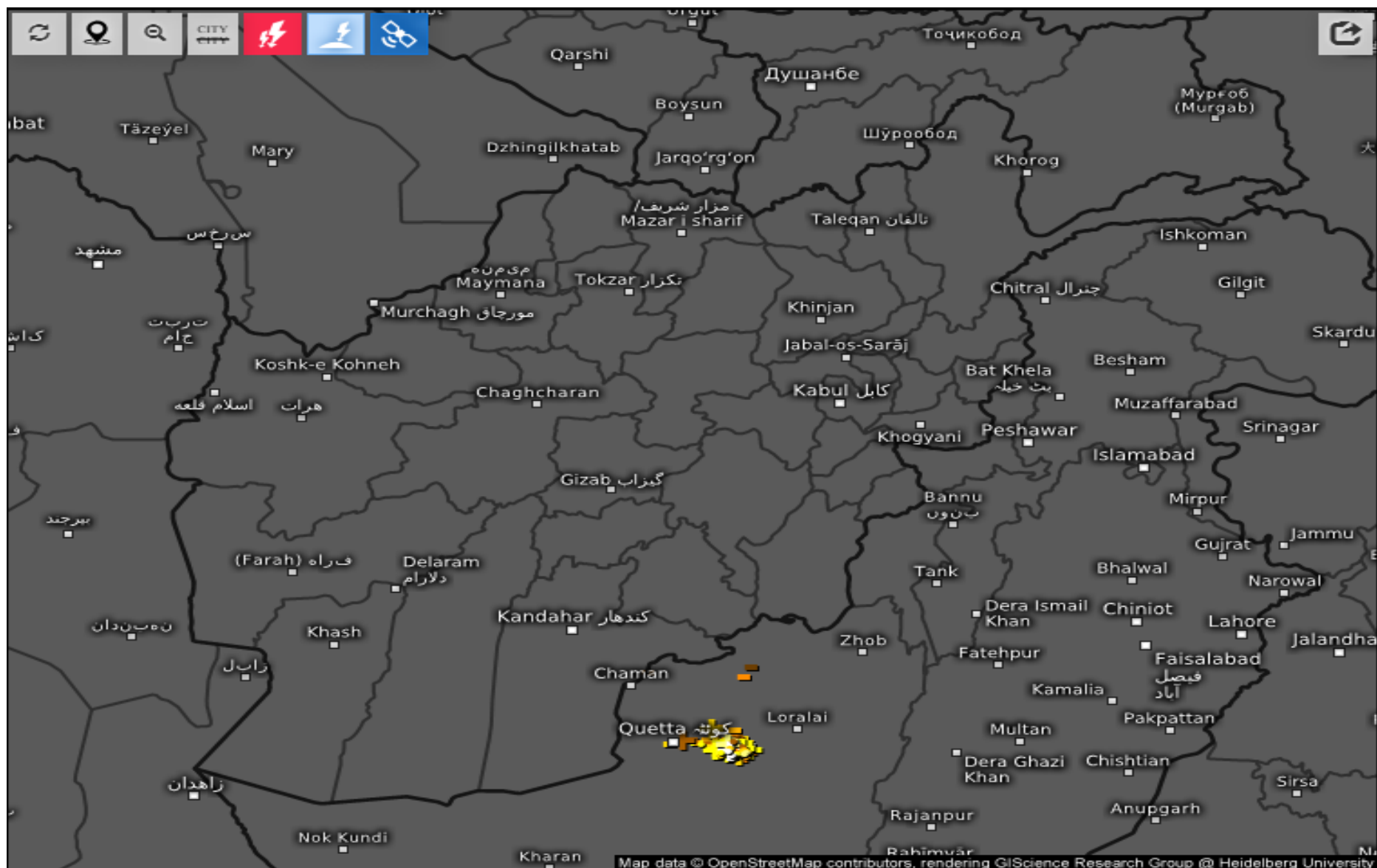
21-08-2025/(1315 to 1342) GMT
21-08-2025/(1845 to 1912) IST



SAT : INSAT-3DR IMG
IMG_VIS 0.65 um(R), IMG_VIS 0.65 um(G), IMG_TIR1 10.8 um(B)
LIC Mercator

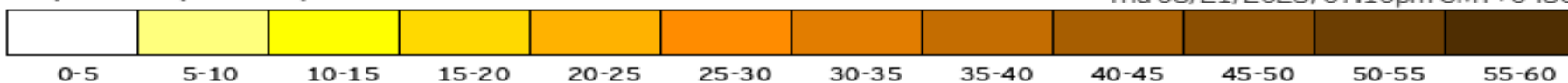
21-08-2025/(1315 to 1342) GMT
21-08-2025/(1045 to 1912) IST





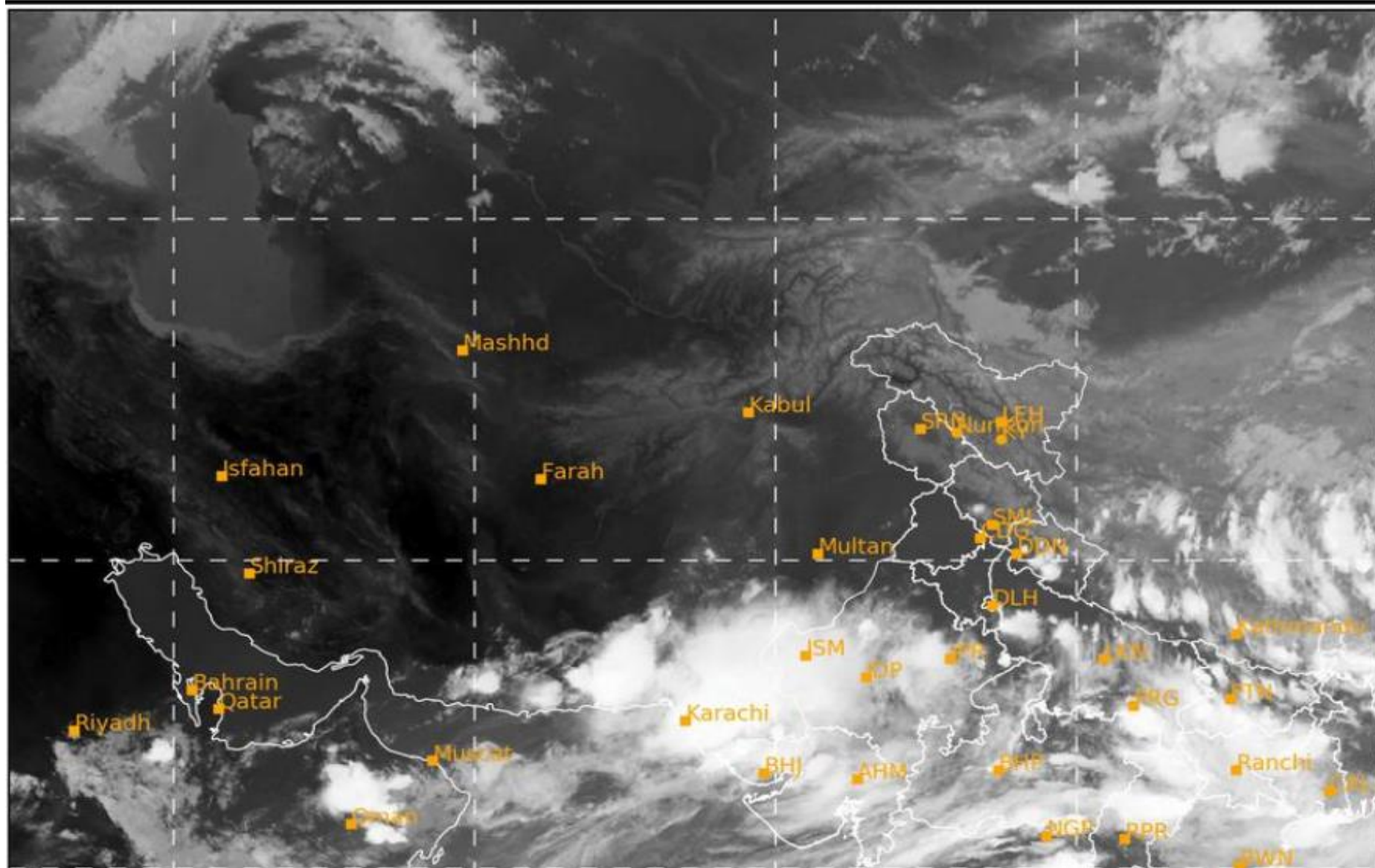
Age of lightning (minutes) 

Thu 08/21/2025, 07:10pm GMT+0430



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

21-08-2025/(1315 to 1342) GMT
21-08-2025/(1845 to 1912) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-08-21 14:15(UTC)

