



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



Satellite General Management

Daily reports of Satellite imagery analysis. Date & Time: 23/09/2025, 00:00 UTC

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

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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-09-22 14:15

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

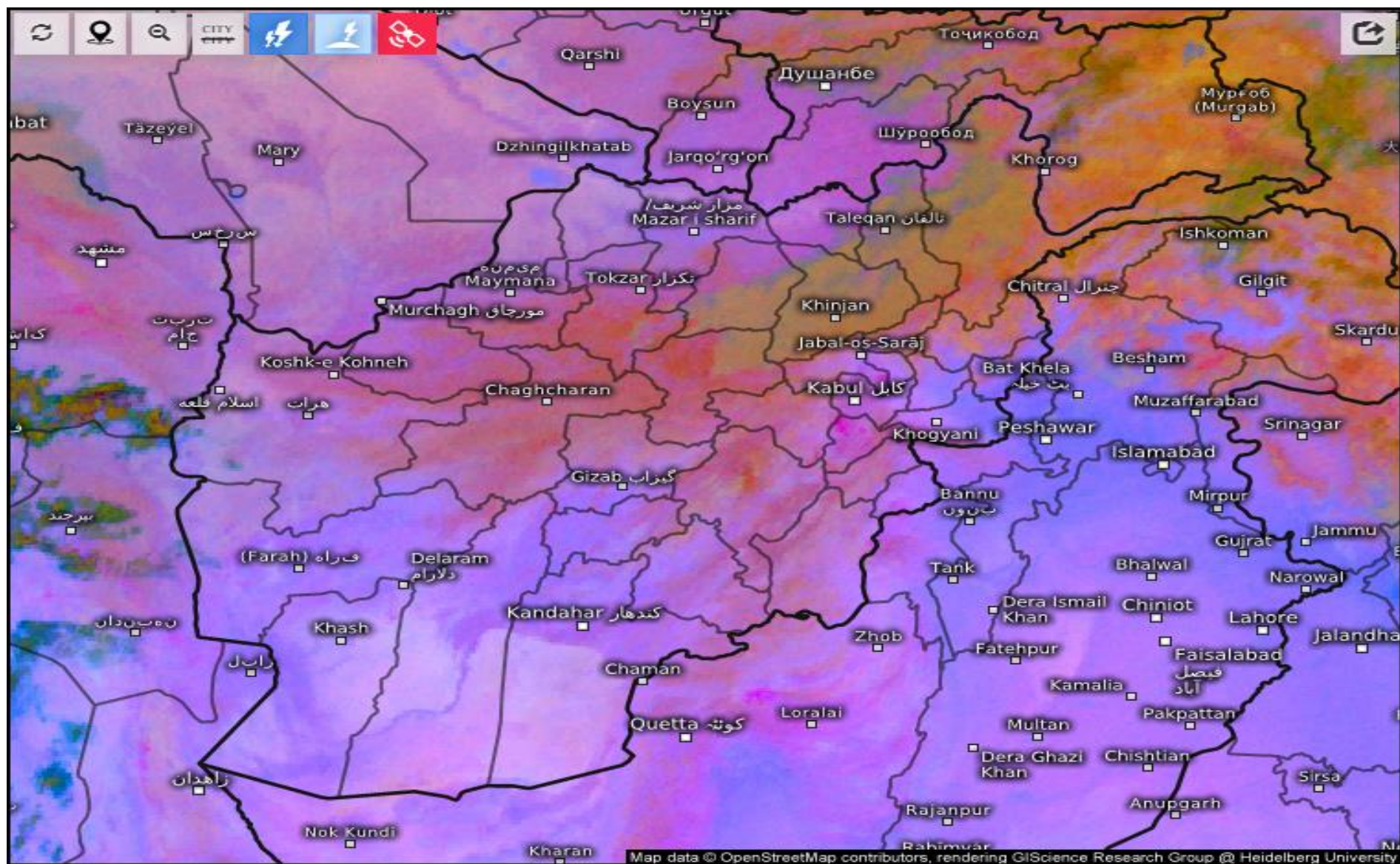
Cold Airmass

Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

FY-4B AirMass RGB Composite (From WMO)



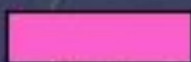


Satellite Dust 

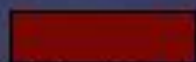
Tue 09/23/2025, 04:00am GMT+0430

UTC : 2025-09-22 14:15

Dust



Dust



High-level cloud



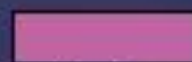
Thick,
mid-level cloud



Thin,
mid-level cloud



Ocean



Land



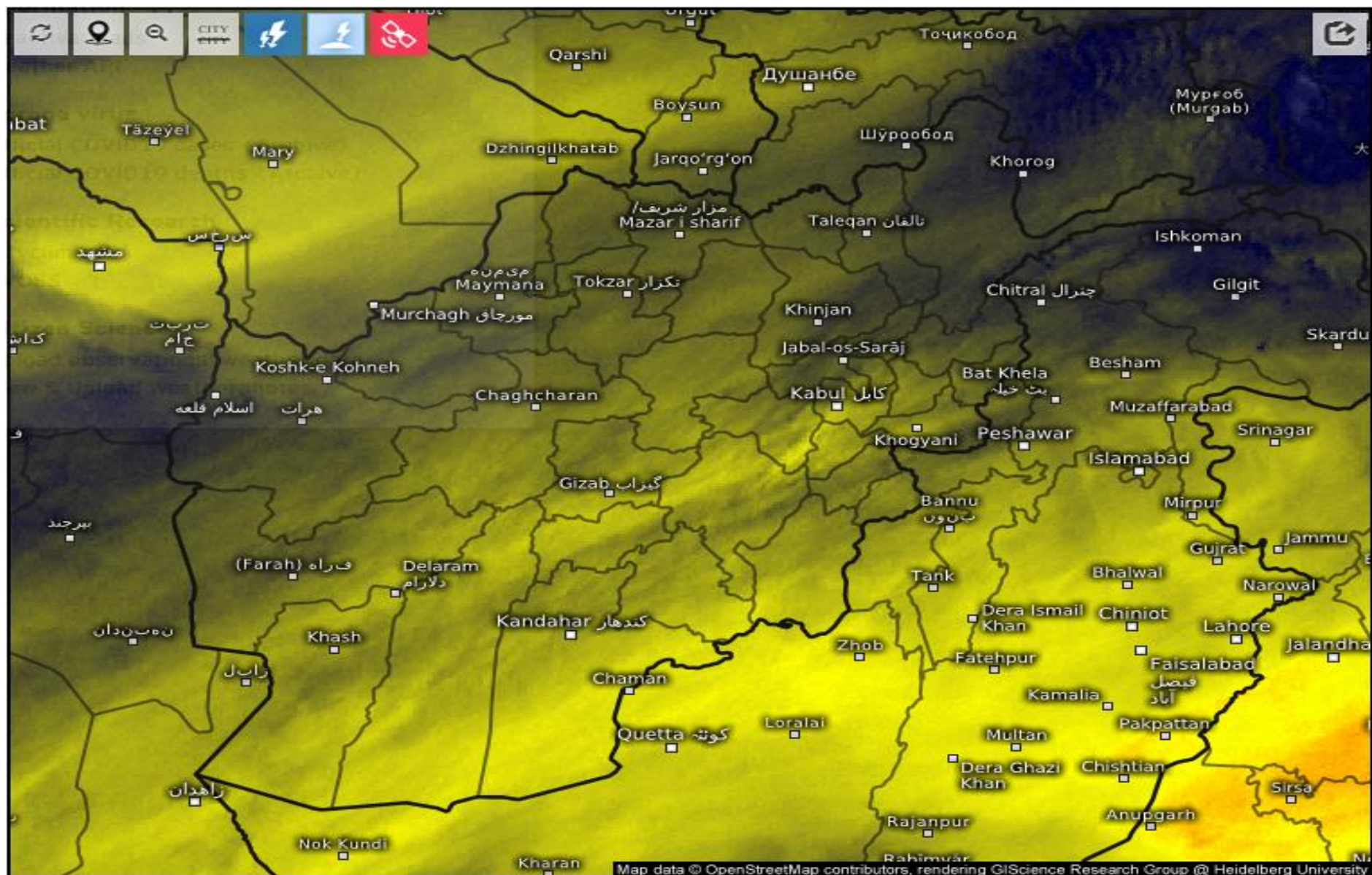
Low-level cloud



Cirrus

FY-4B Dust RGB Composite (From WMO)





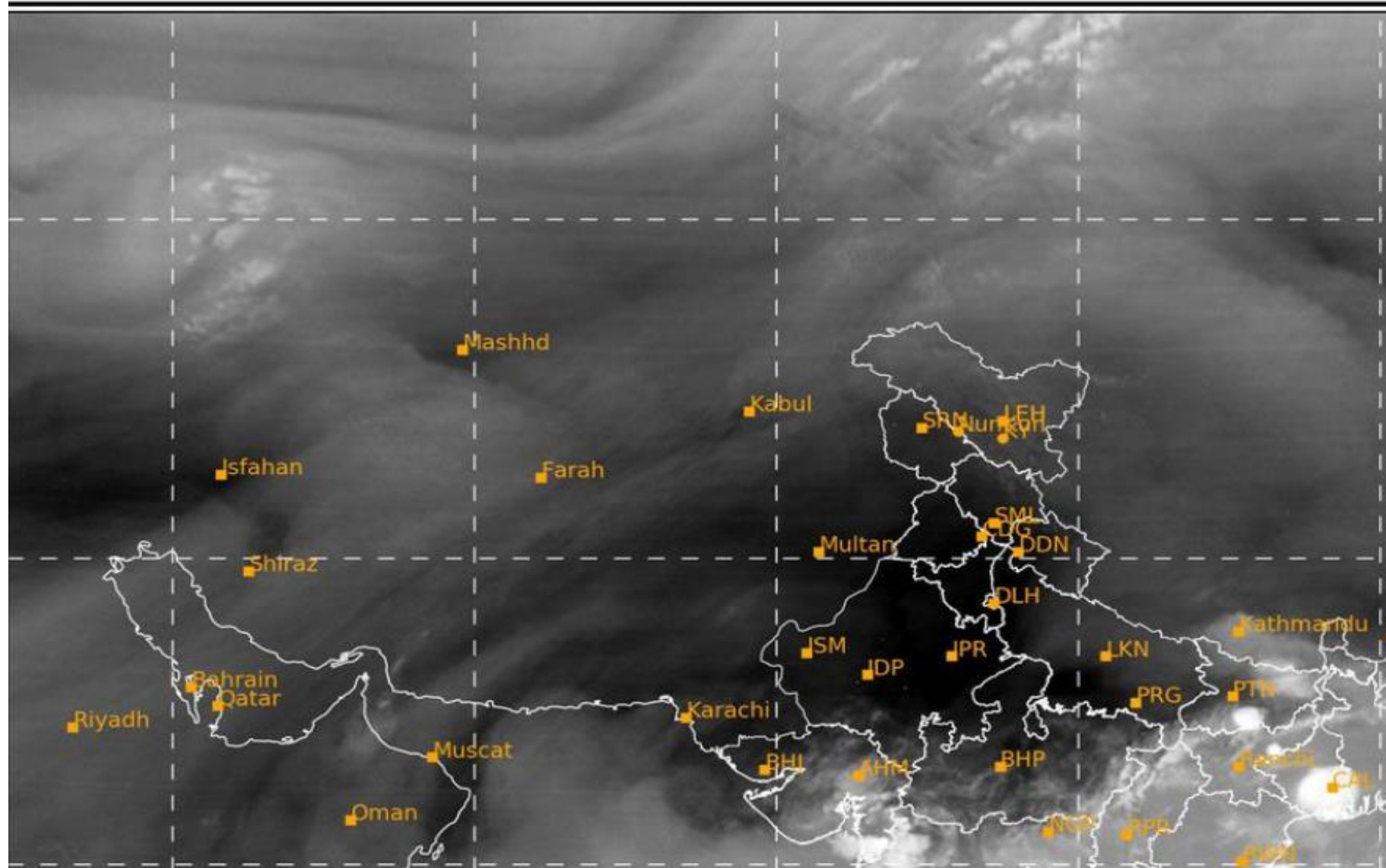
Satellite Water Vapor

Tue 09/23/2025, 04:00am GMT+0430



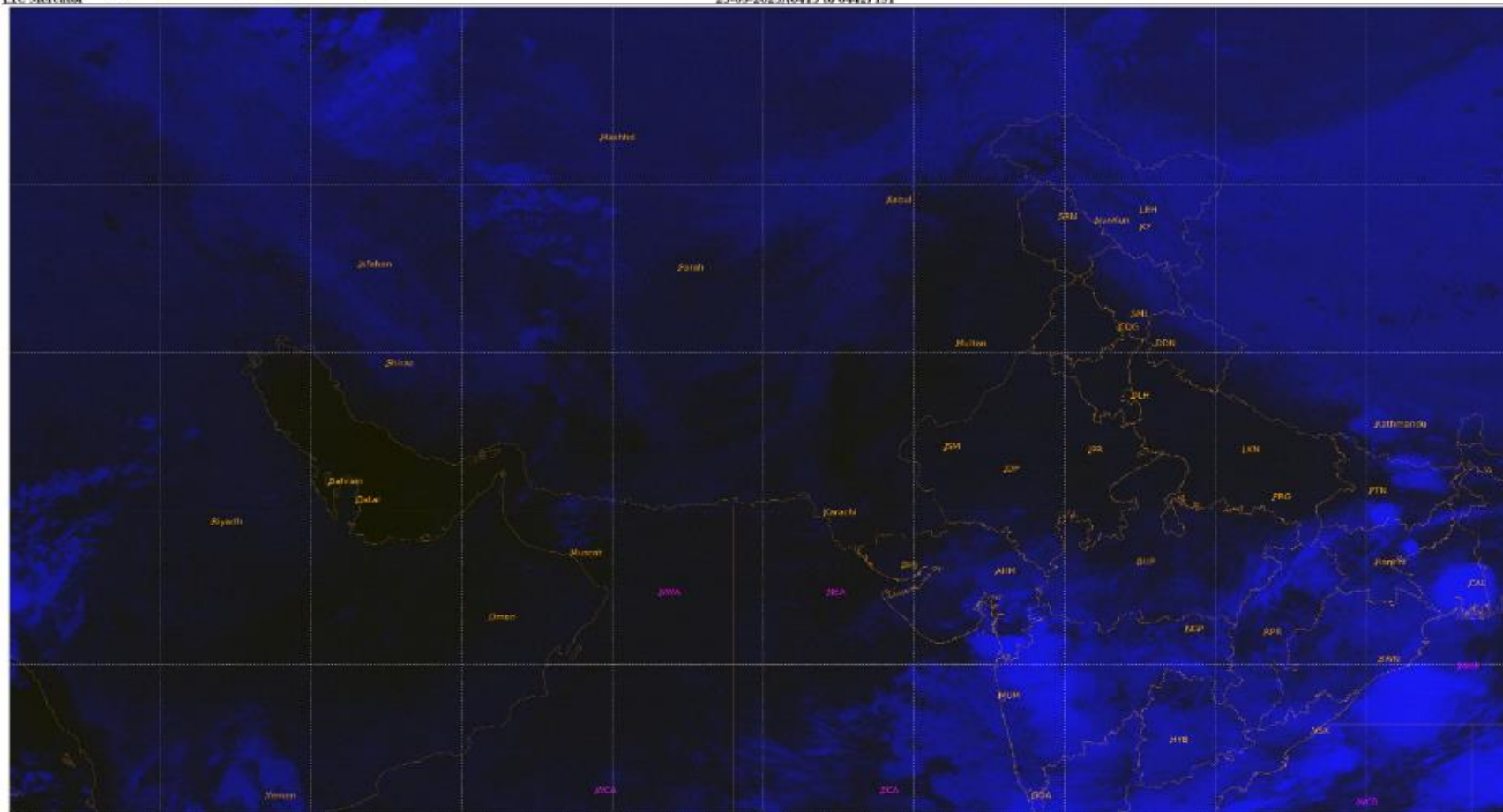
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

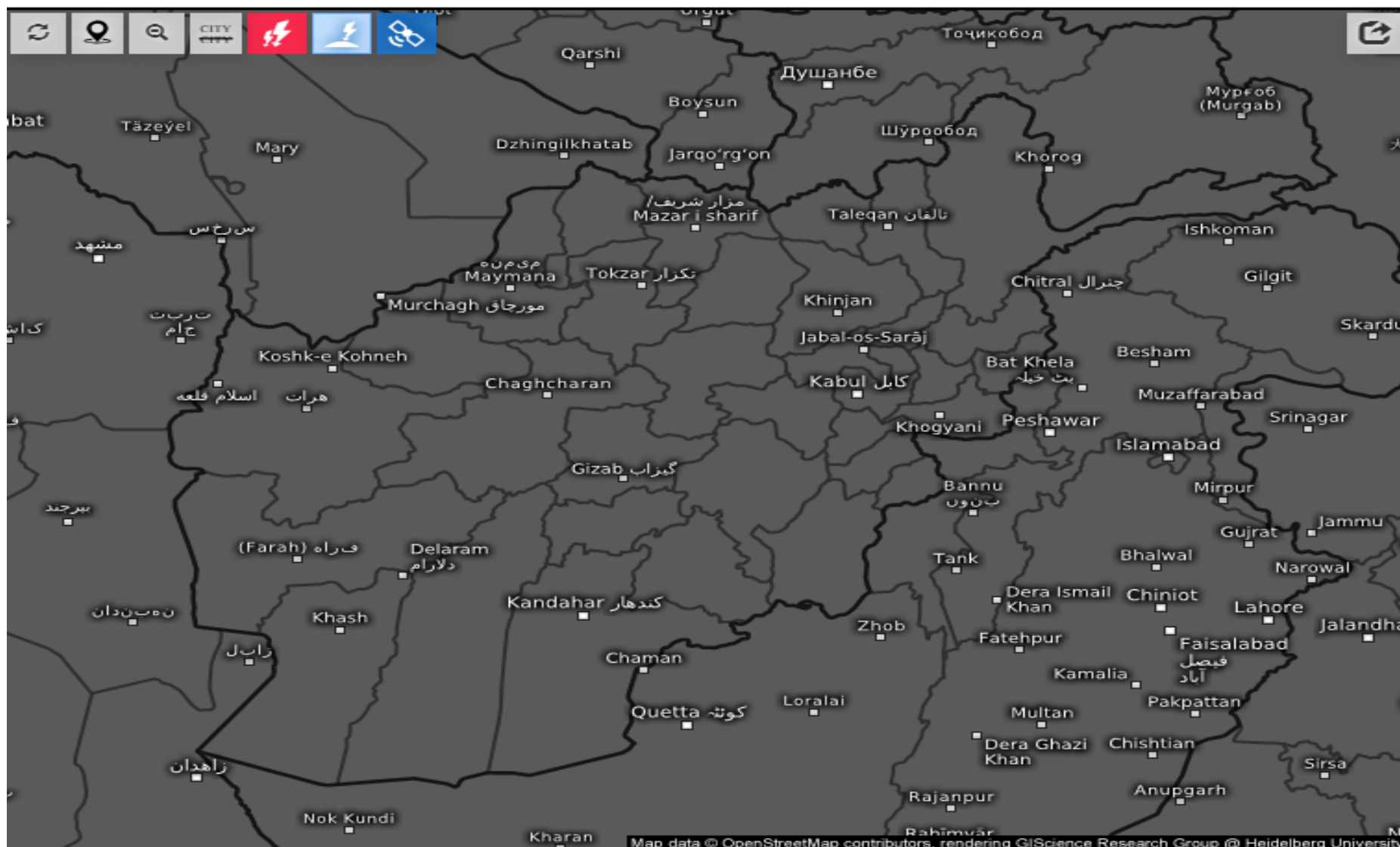
22-09-2025/(2245 to 2312) GMT
23-09-2025/(0415 to 0442) IST



SAT : INSAT-3DR IMG
 IMG_VIS 0.65 um(R), IMG_VIS 0.65 um(G), IMG_TIR1 10.8 um(B)
 L1C Mercator

22-09-2025/(2245 to 2312) GMT
 23-09-2025/(0415 to 0442) IST





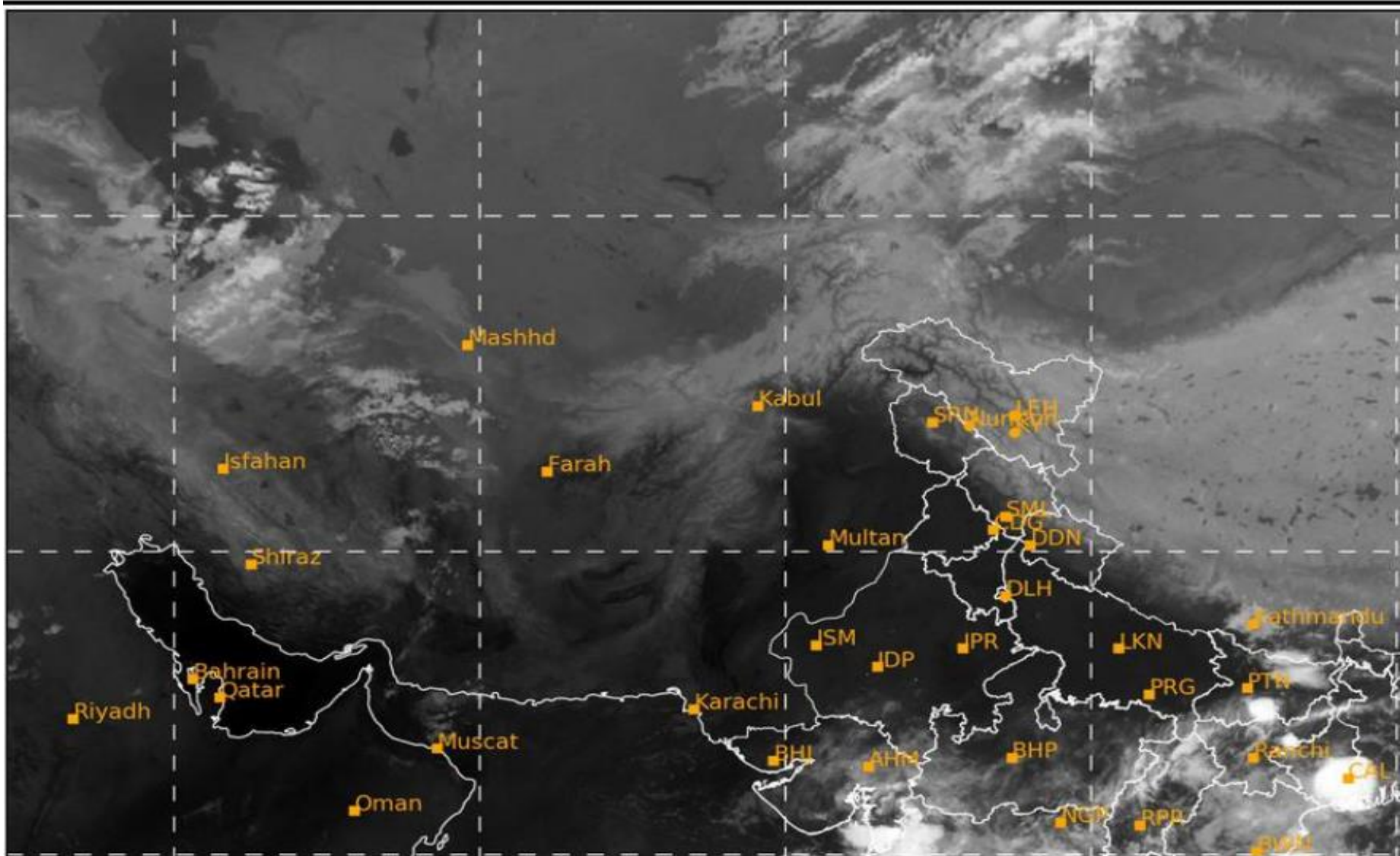
Age of lightning (minutes)

Tue 09/23/2025, 04:05am GMT+0430

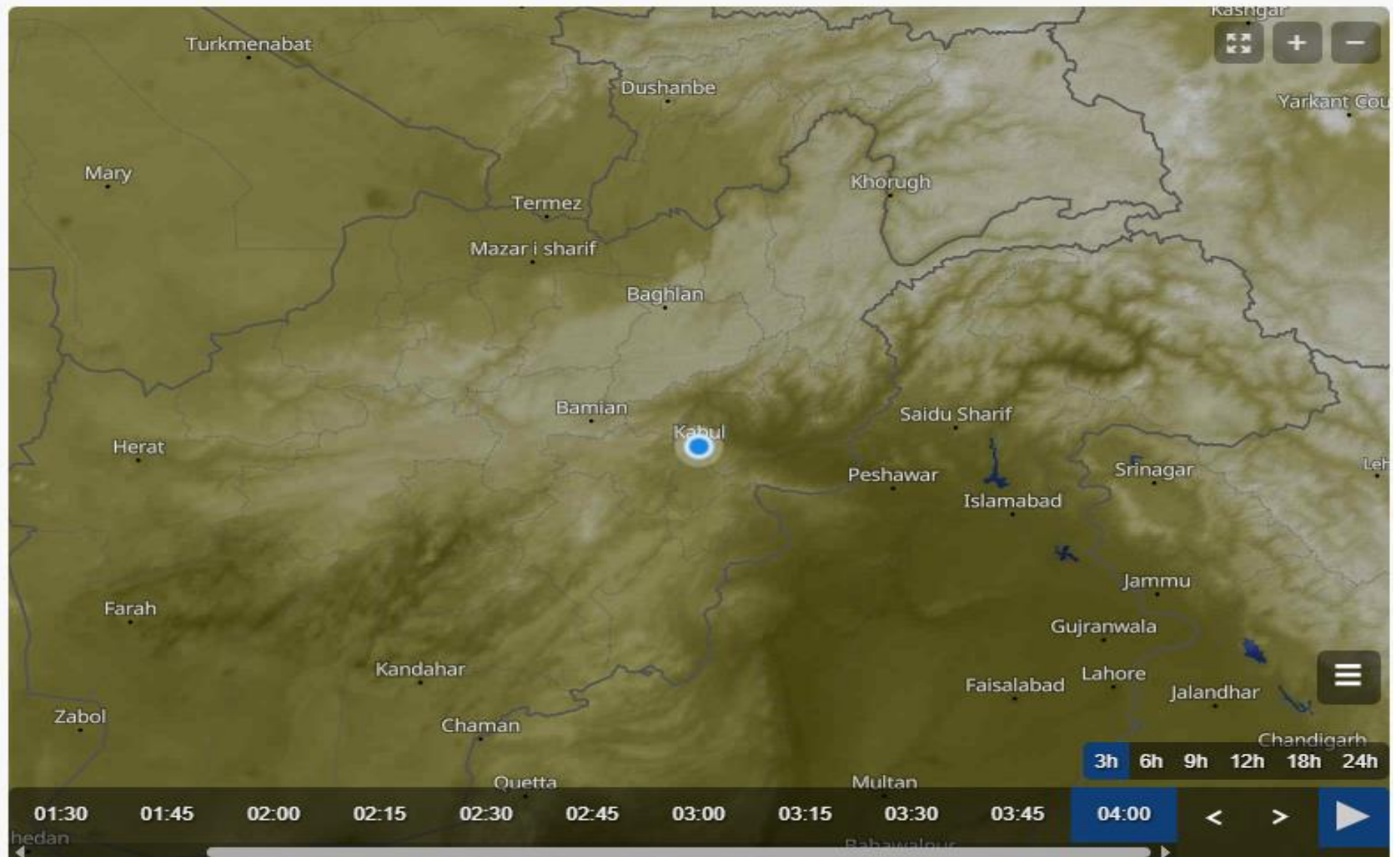


SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

22-09-2025/(2245 to 2312) GMT
23-09-2025/(0415 to 0442) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-09-22 23:15(UTC)

