



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



Daily reports of Satellite imagery analysis. Date & Time: 13/09/2025, 00:00 UTC

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

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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-09-12 14:00

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

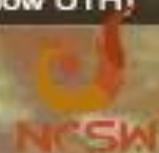
Jet

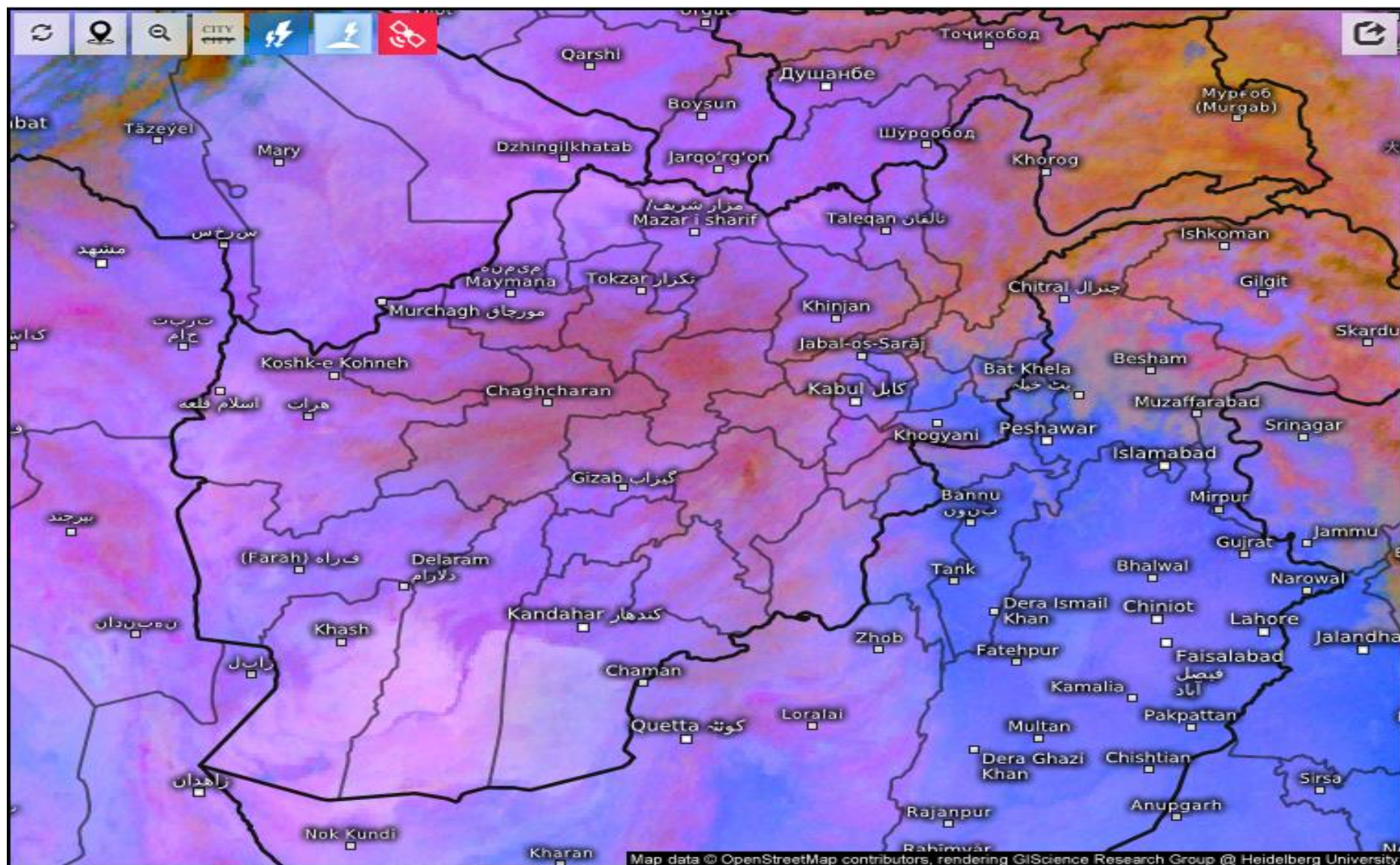
Cold Airmass

Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust 

Sat 09/13/2025, 04:00am GMT+0430

UTC : 2025-09-12 14:00

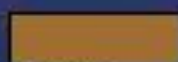
Dust



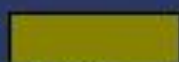
Dust



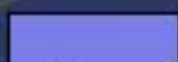
High-level cloud



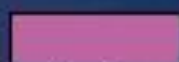
Thick,
mid-level cloud



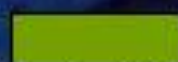
Thin,
mid-level cloud



Ocean



Land



Low-level cloud

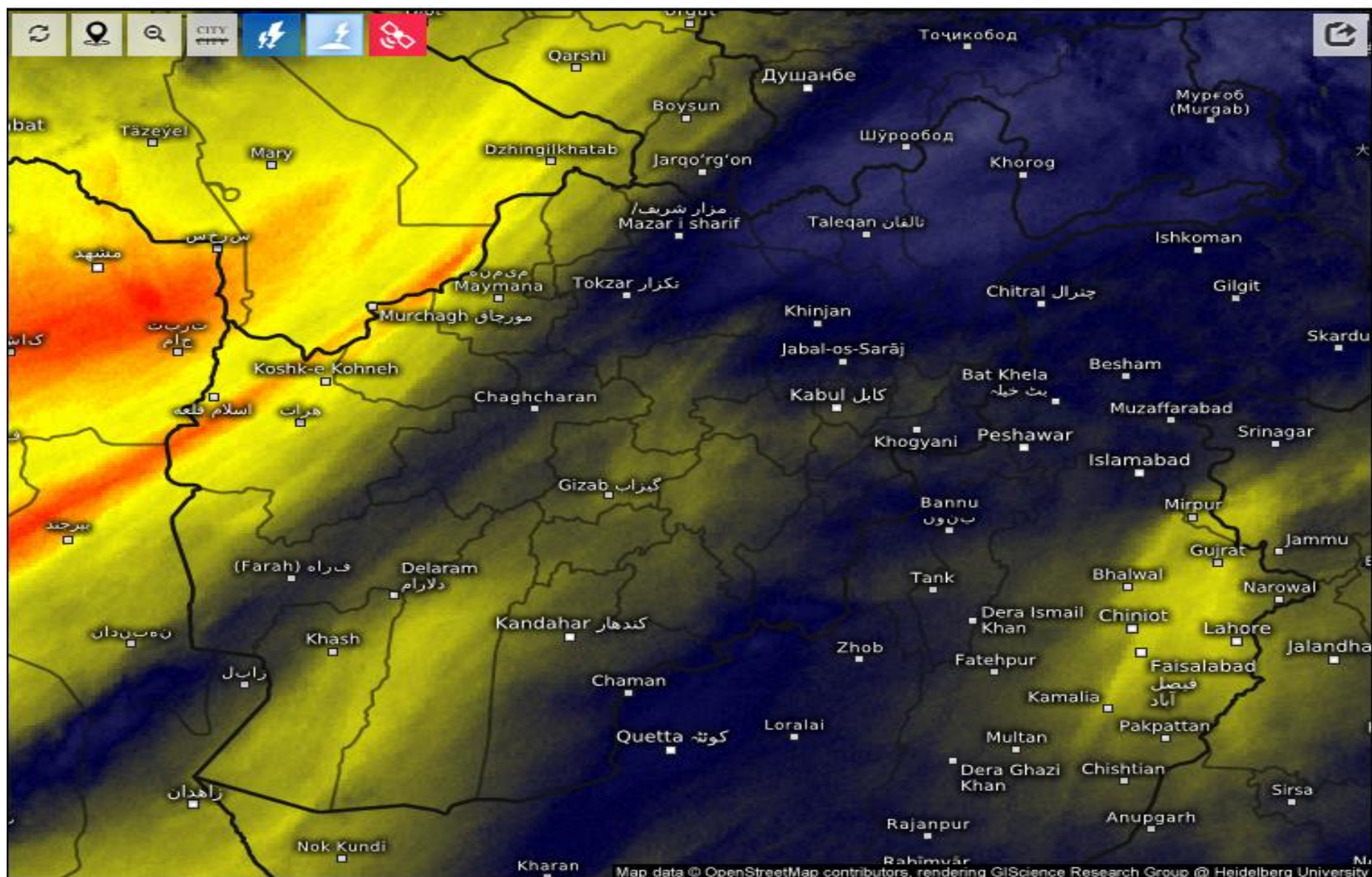


Cirrus

R
G
B

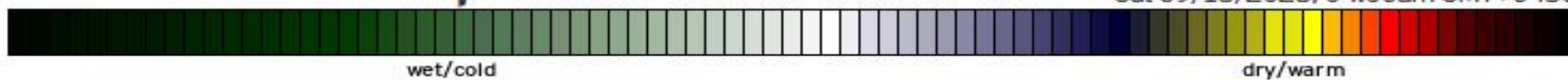
FY-4B Dust RGB Composite (From WMO)





Satellite Water Vapor 

Sat 09/13/2025, 04:00am GMT+0430



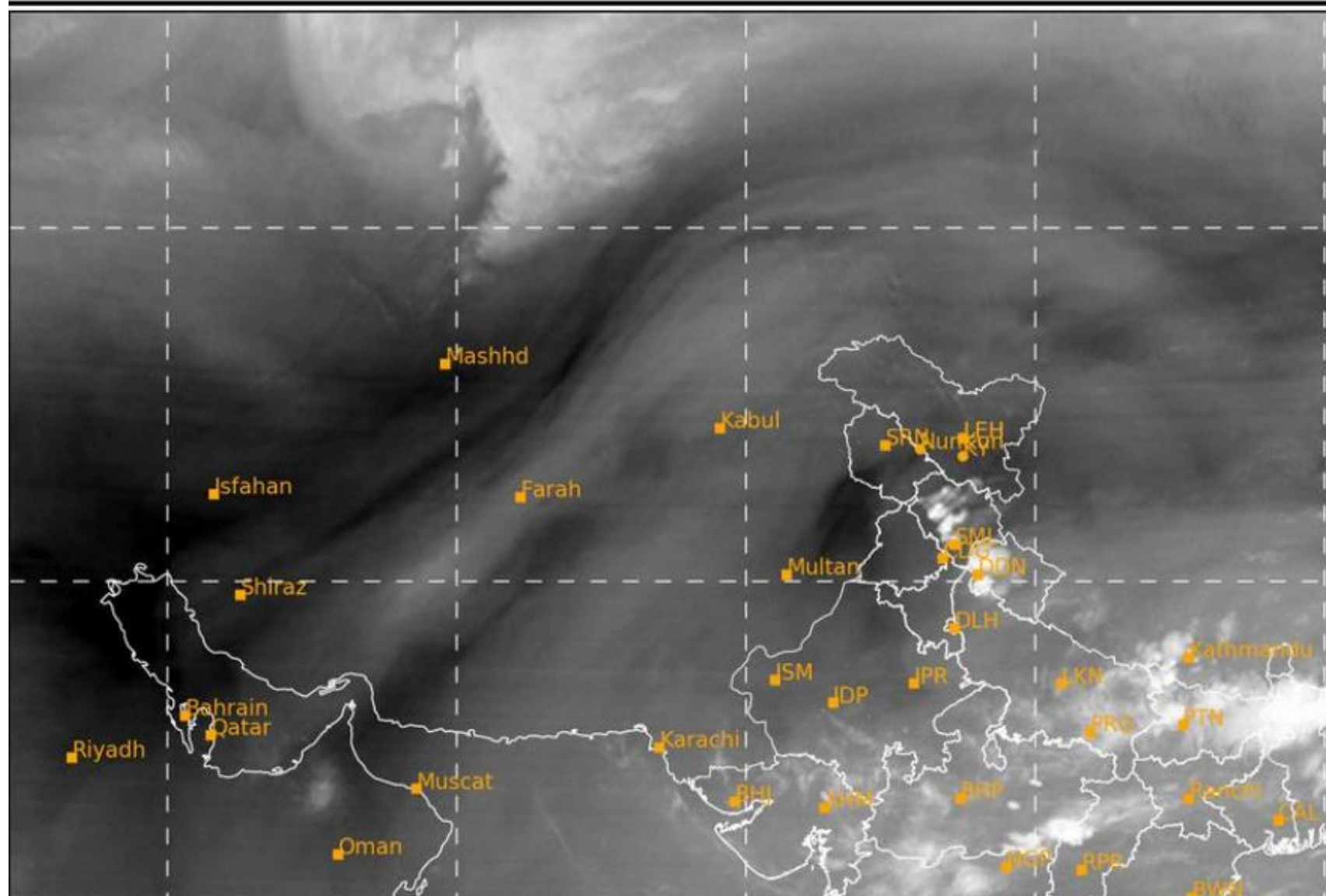
SAT : INSAT-3DR IMG

IMG_WV 6.8 um

L1C Mercator

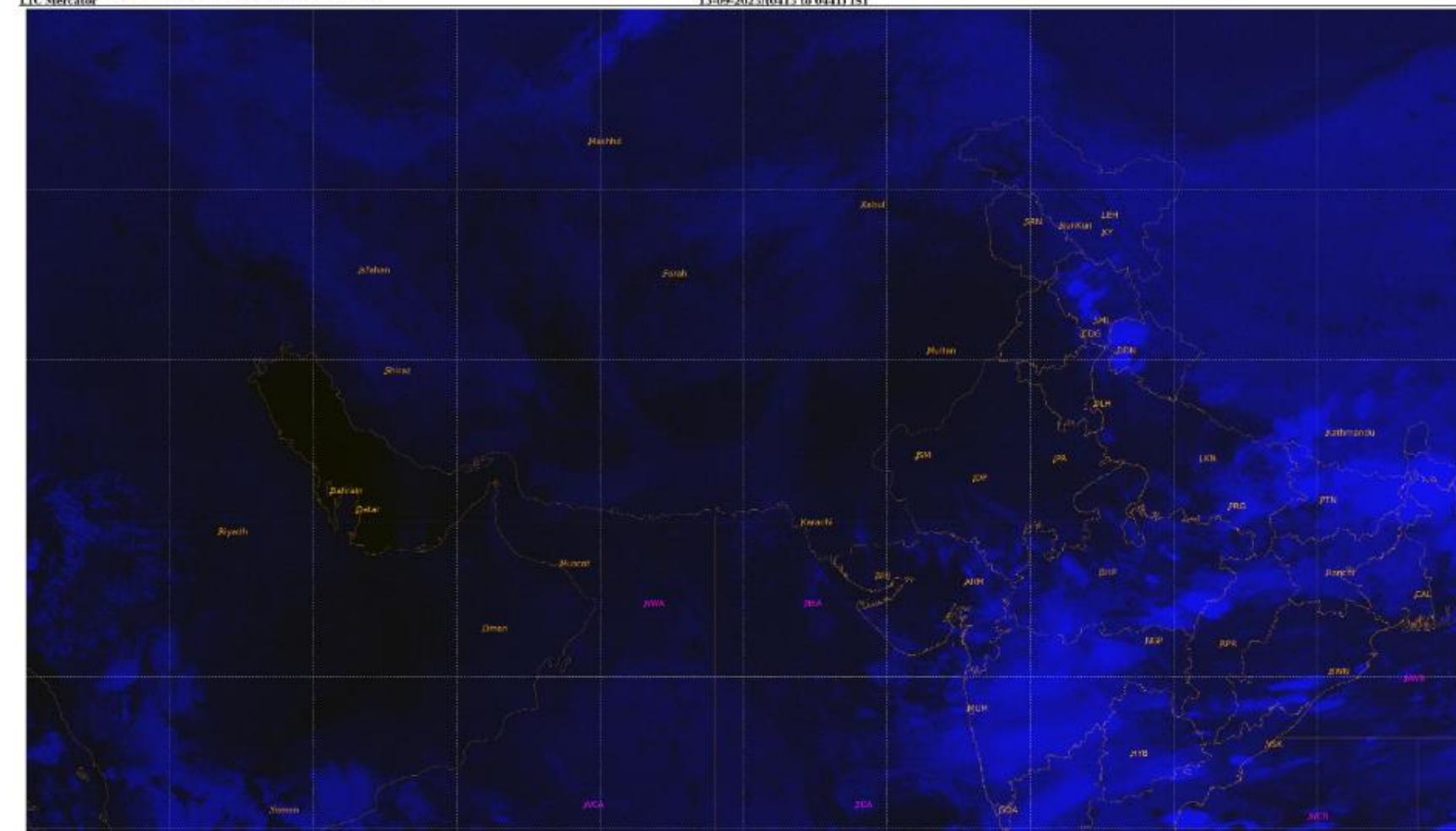
12-09-2025/(2245 to 2311) GMT

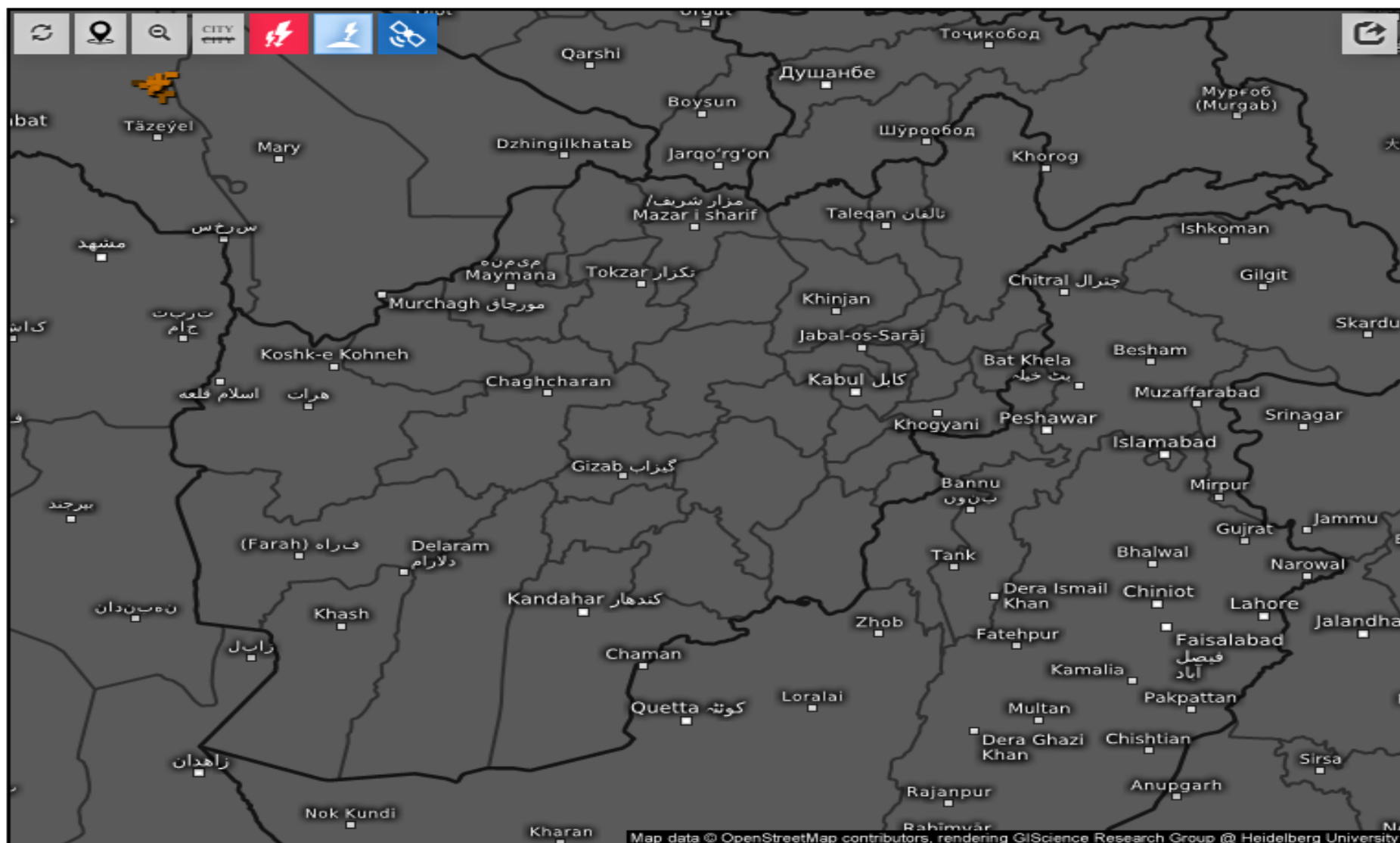
13-09-2025/(0415 to 0441) IST



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

12-09-2025/(2245 to 2311) GMT
13-09-2025/(0415 to 0441) IST





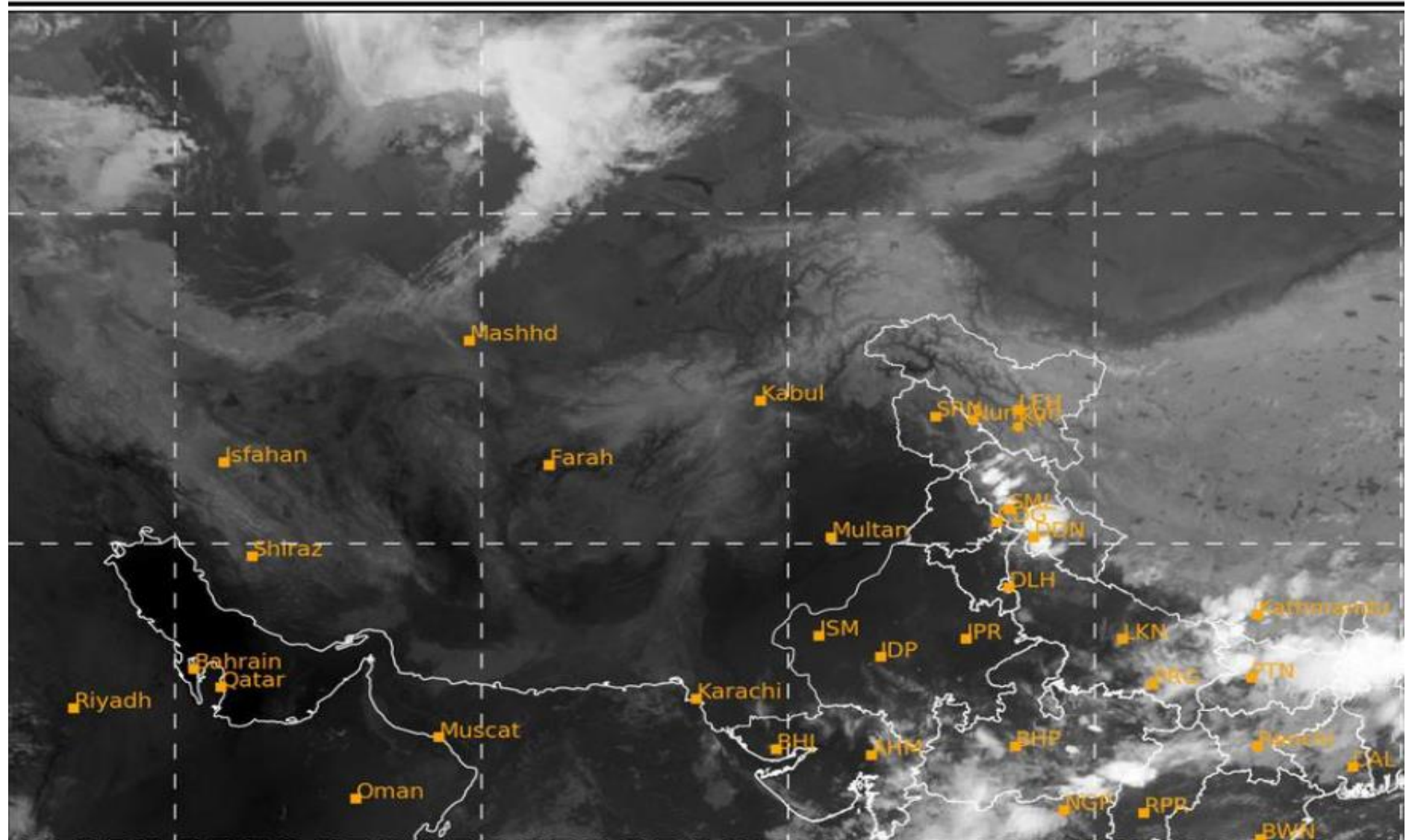
Age of lightning (minutes) 

Sat 09/13/2025, 04:10am GMT+0430

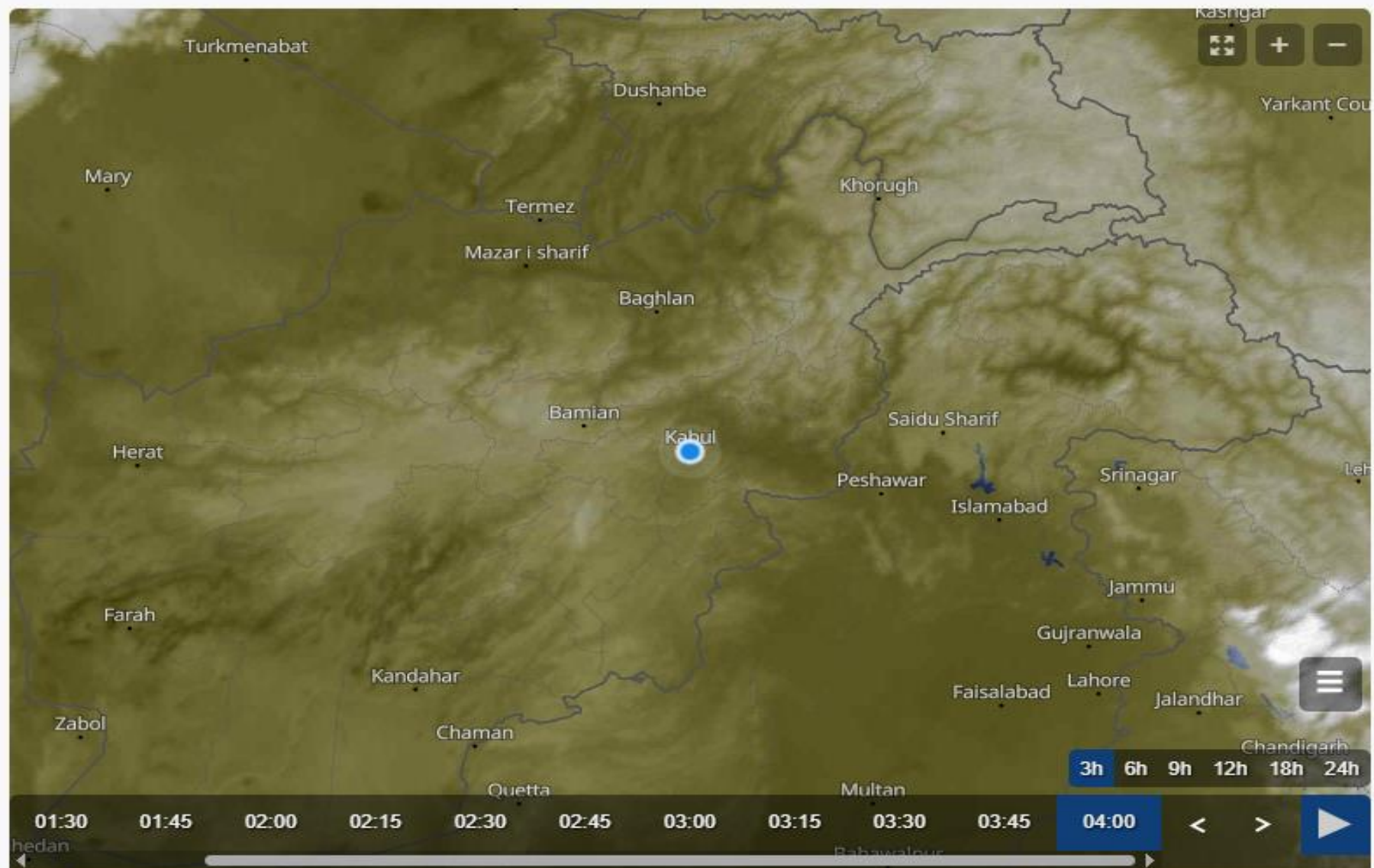


SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

12-09-2025/(2245 to 2311) GMT
13-09-2025/(0415 to 0441) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-09-12 23:15(UTC)

