



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



Daily reports of Satellite imagery analysis. Date & Time: 15/09/2025, 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	√ weak	X	X	
2	South	✓	✓	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	X	√ weak	X	X	
6	Northeast	✓	X	X	X	X	√ weak	X	X	
7	Southeast	X	X	X	X	X	√ dry	X	X	
8	Northwest	X	X	X	X	X	√ dry	X	X	
9	Southwest	X	✓	X	X	X	√ weak	X	X	

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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-09-14 14:15

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

Cold Airmass

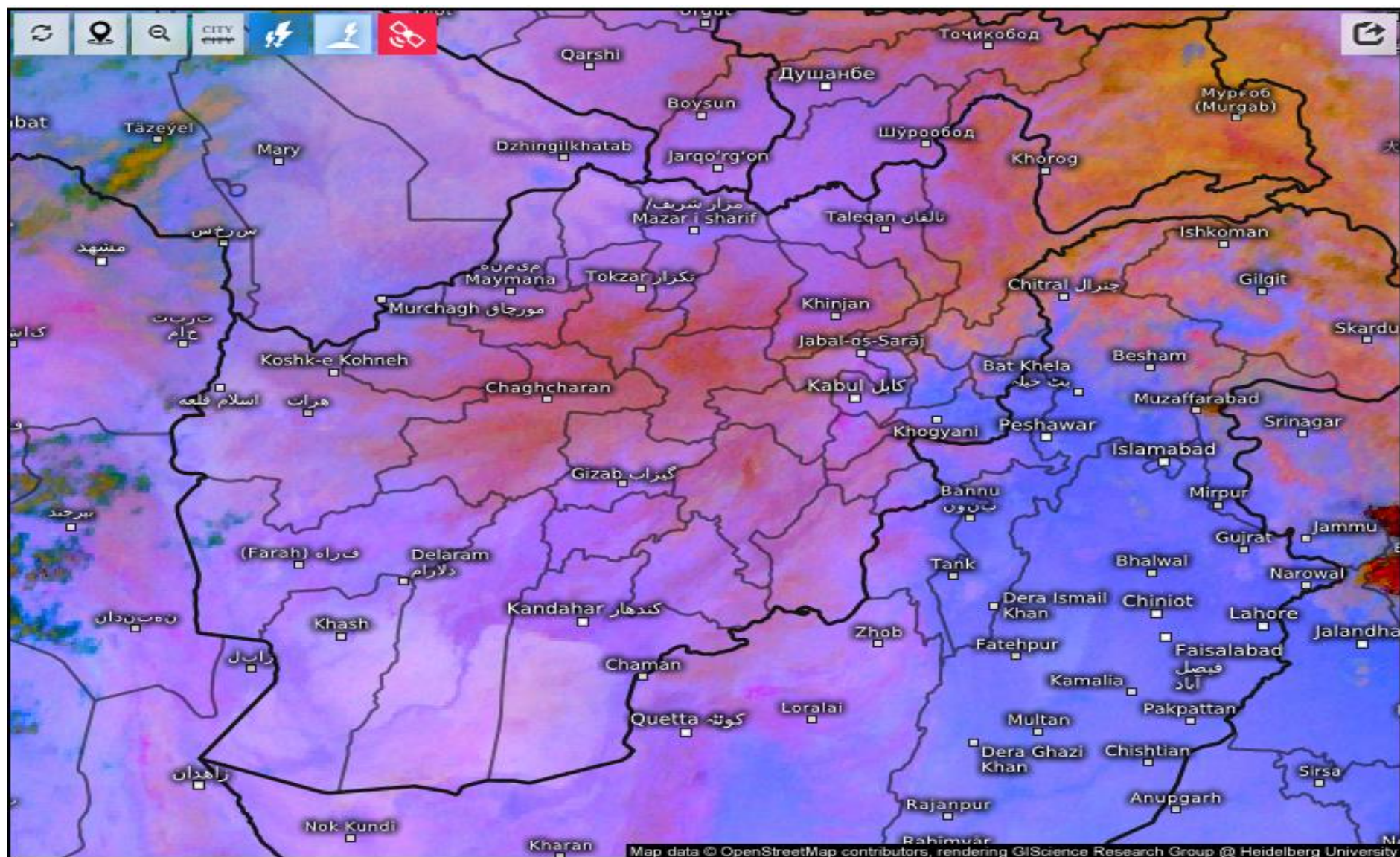
Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

R=
G=
B=

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust 

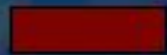
Mon 09/15/2025, 04:00am GMT+0430

UTC : 2025-09-14 05:15

Dust



Dust



High-level cloud



Thick,
mid-level cloud



Thin,
mid-level cloud



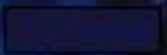
Ocean



Land



Low-level cloud

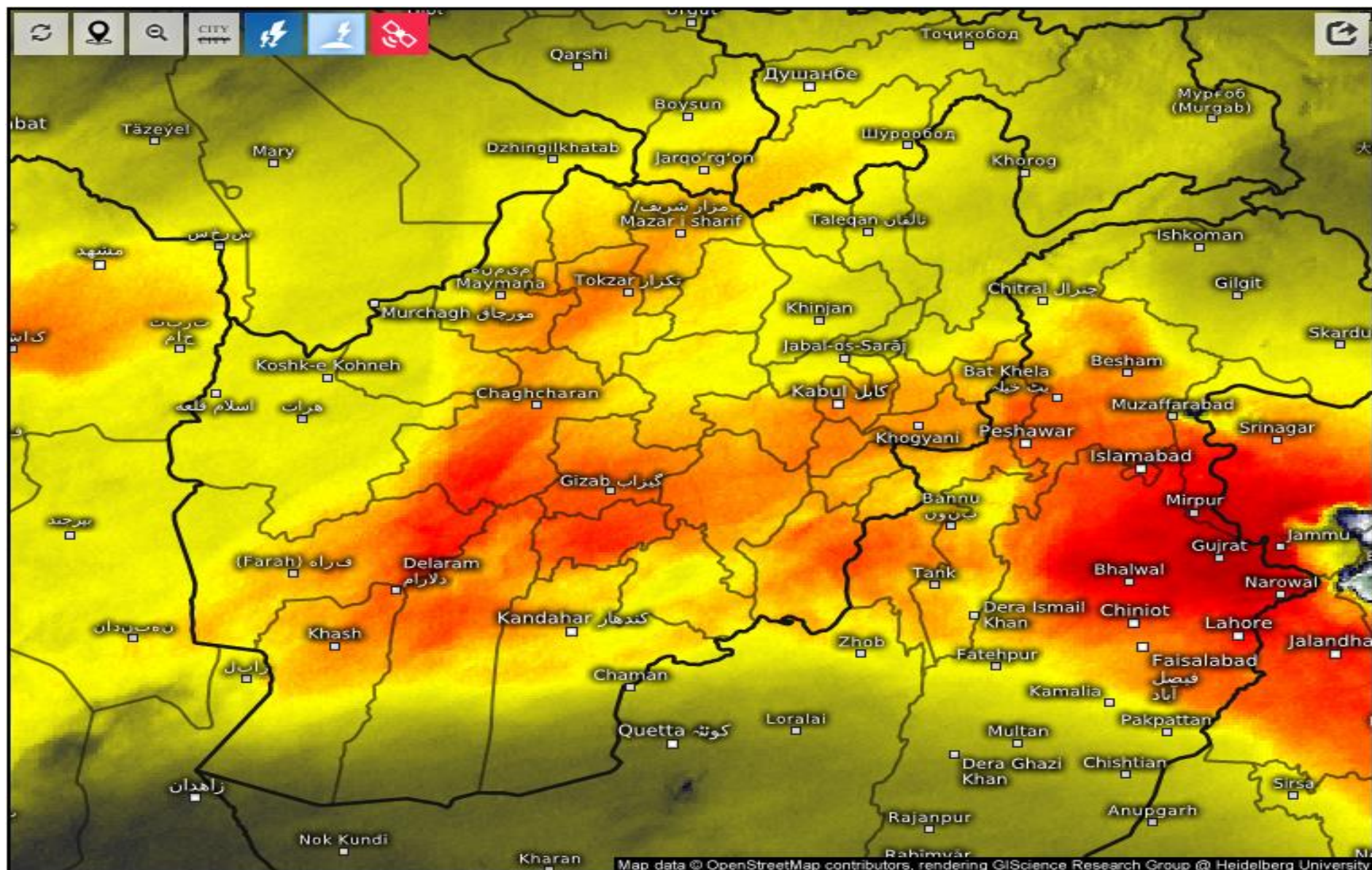


Cirrus

R = IR (12.0) - IR
G = IR (10.8) - IR
B = IR (10.8)

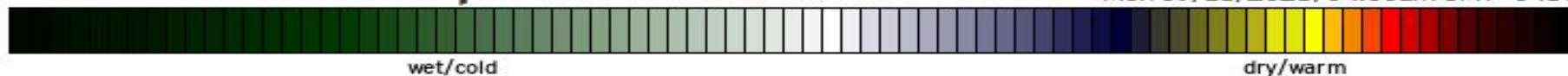
FY-4B Dust RGB Composite (From WMO)





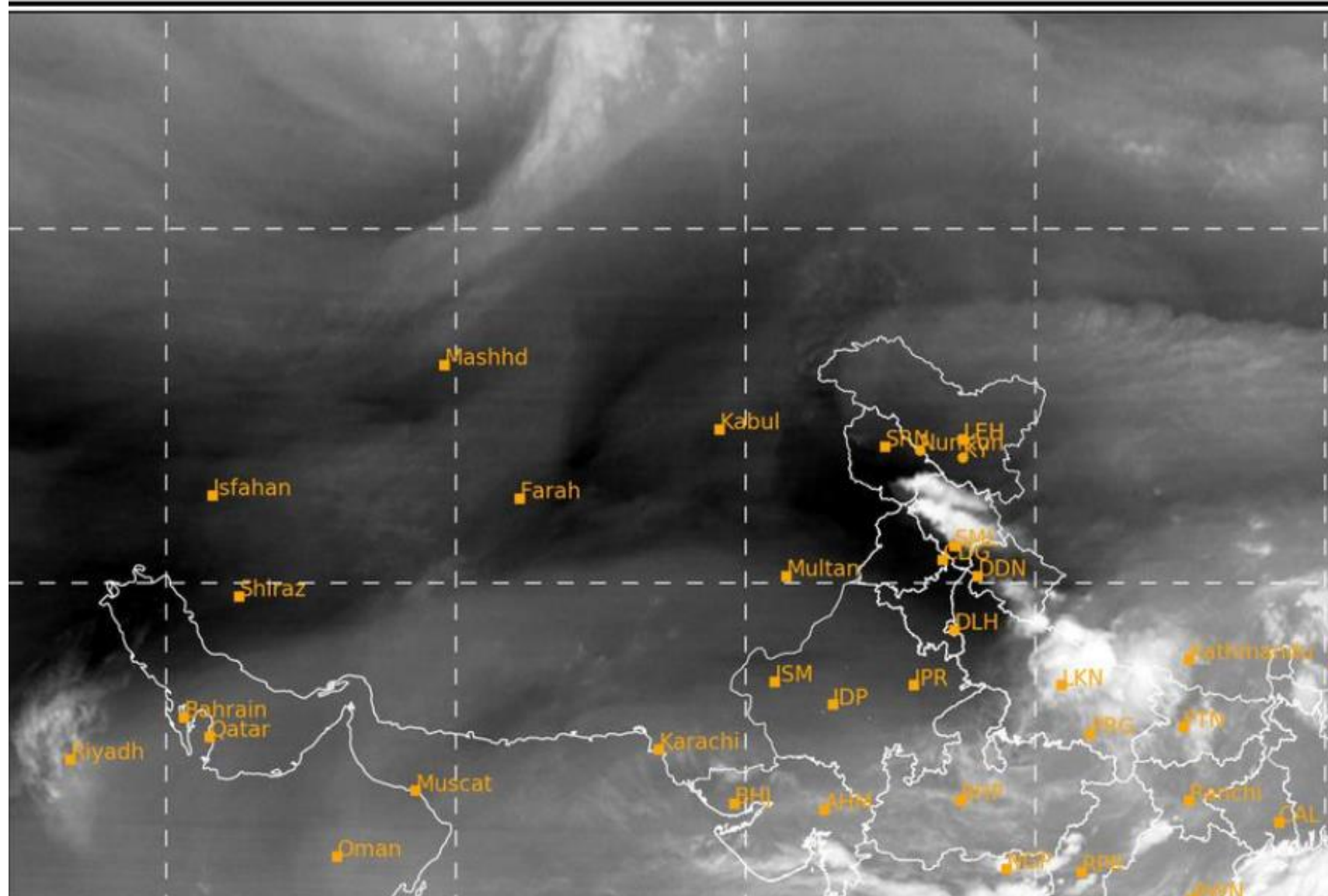
Satellite Water Vapor

Mon 09/15/2025, 04:00am GMT+0430



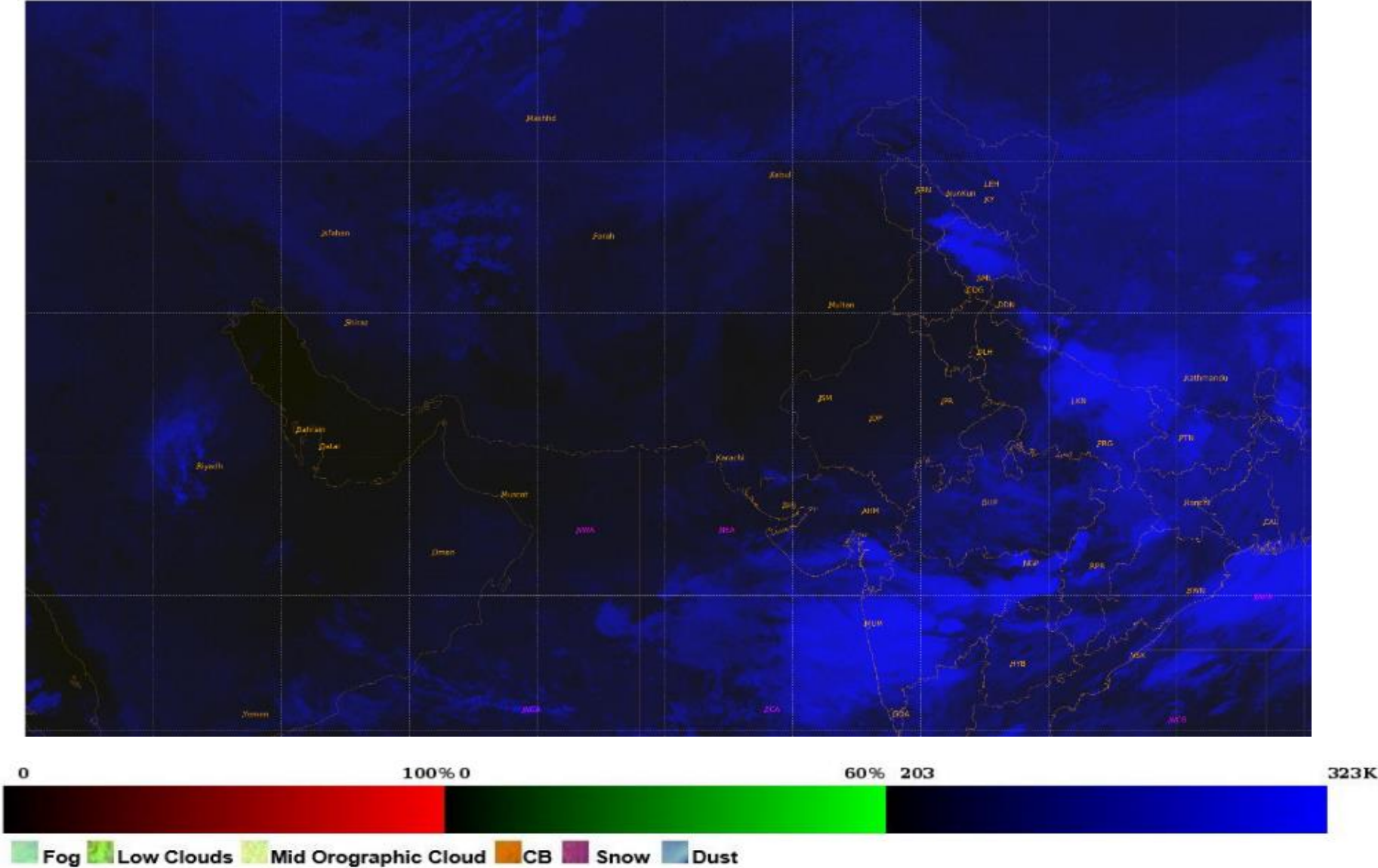
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
LIC Mercator

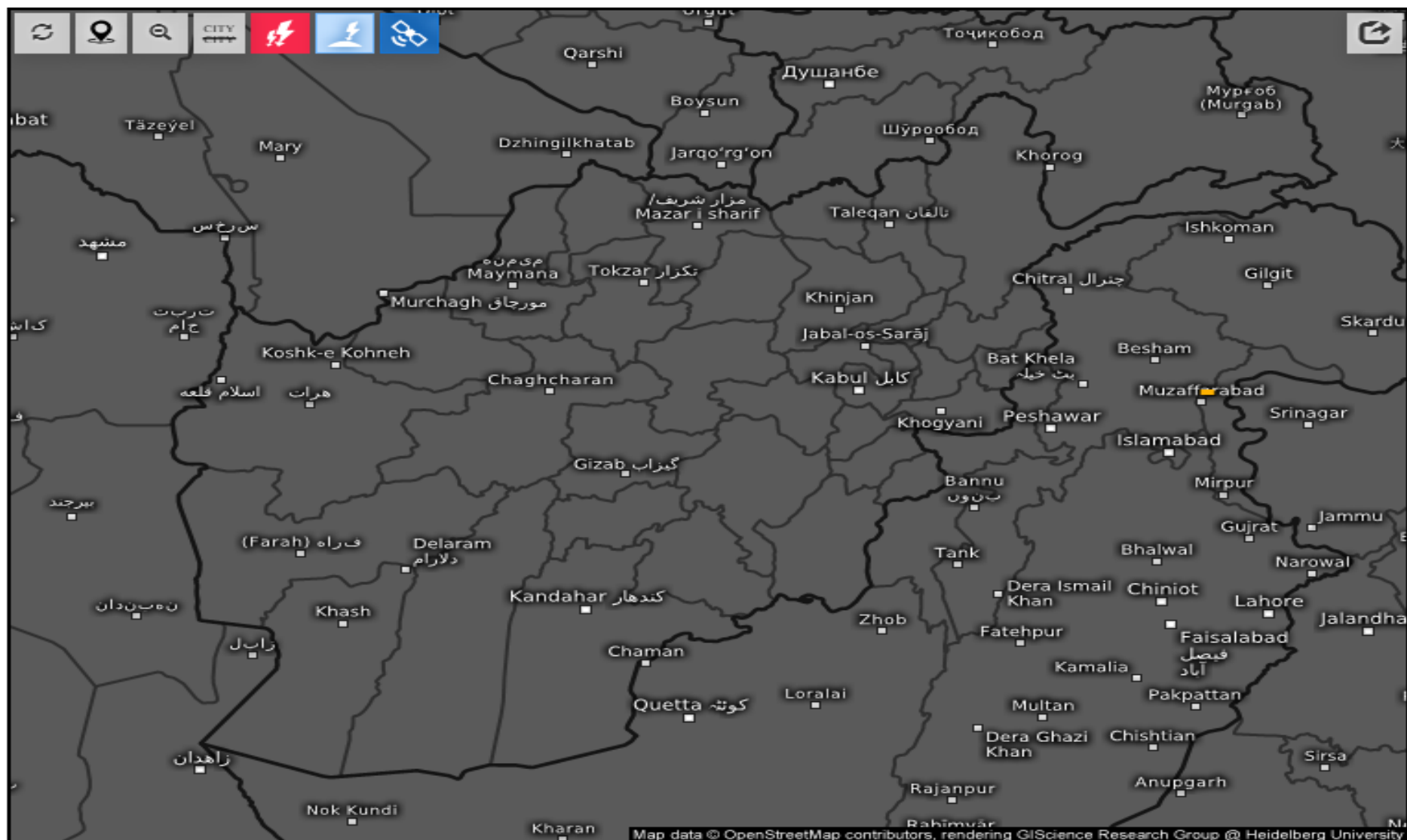
14-09-2025/(2245 to 2312) GMT
15-09-2025/(0415 to 0442) IST



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

14-09-2025/(2245 to 2312) GMT
15-09-2025/(0415 to 0442) IST





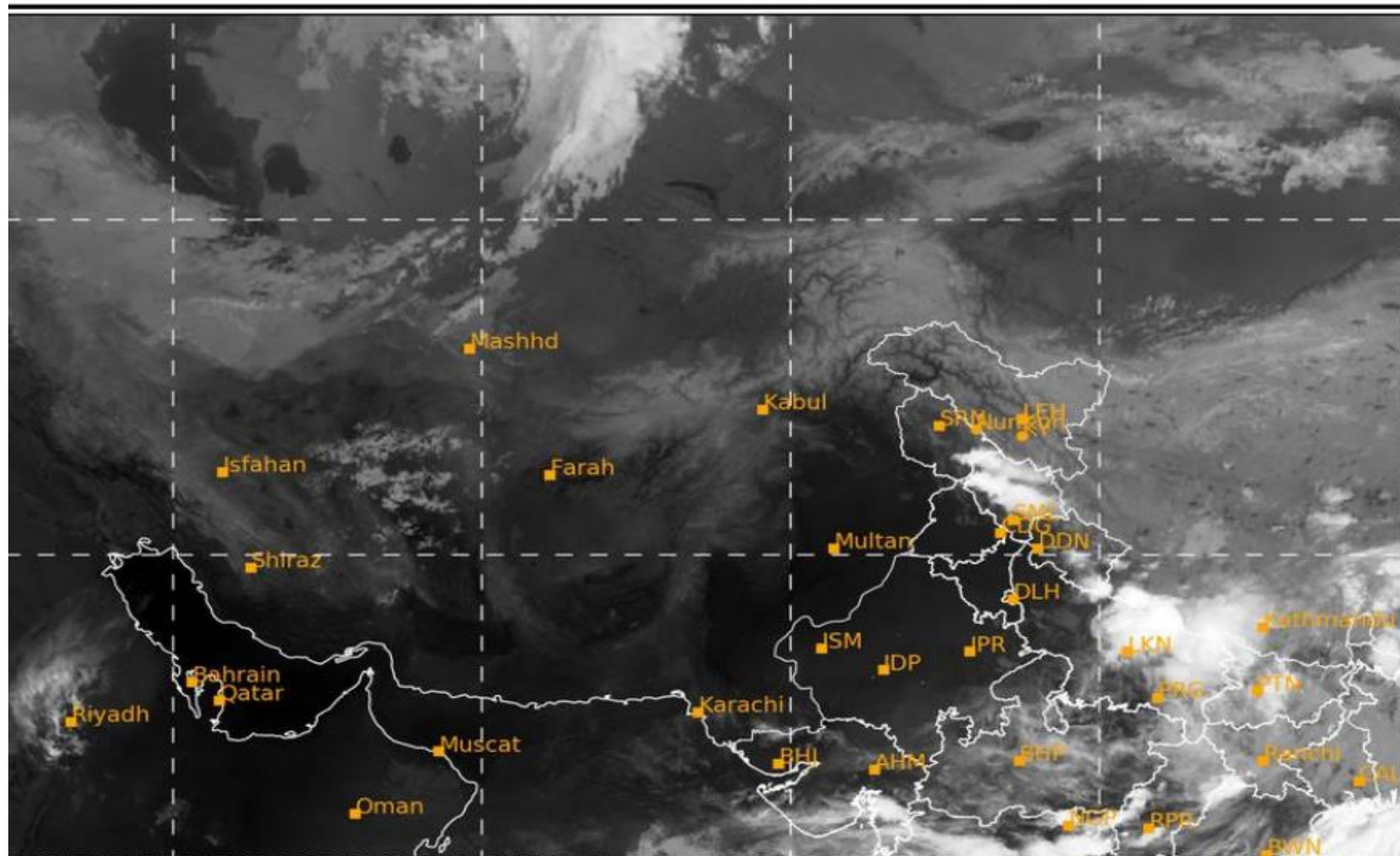
Age of lightning (minutes) 

Mon 09/15/2025, 04:10am GMT+0430

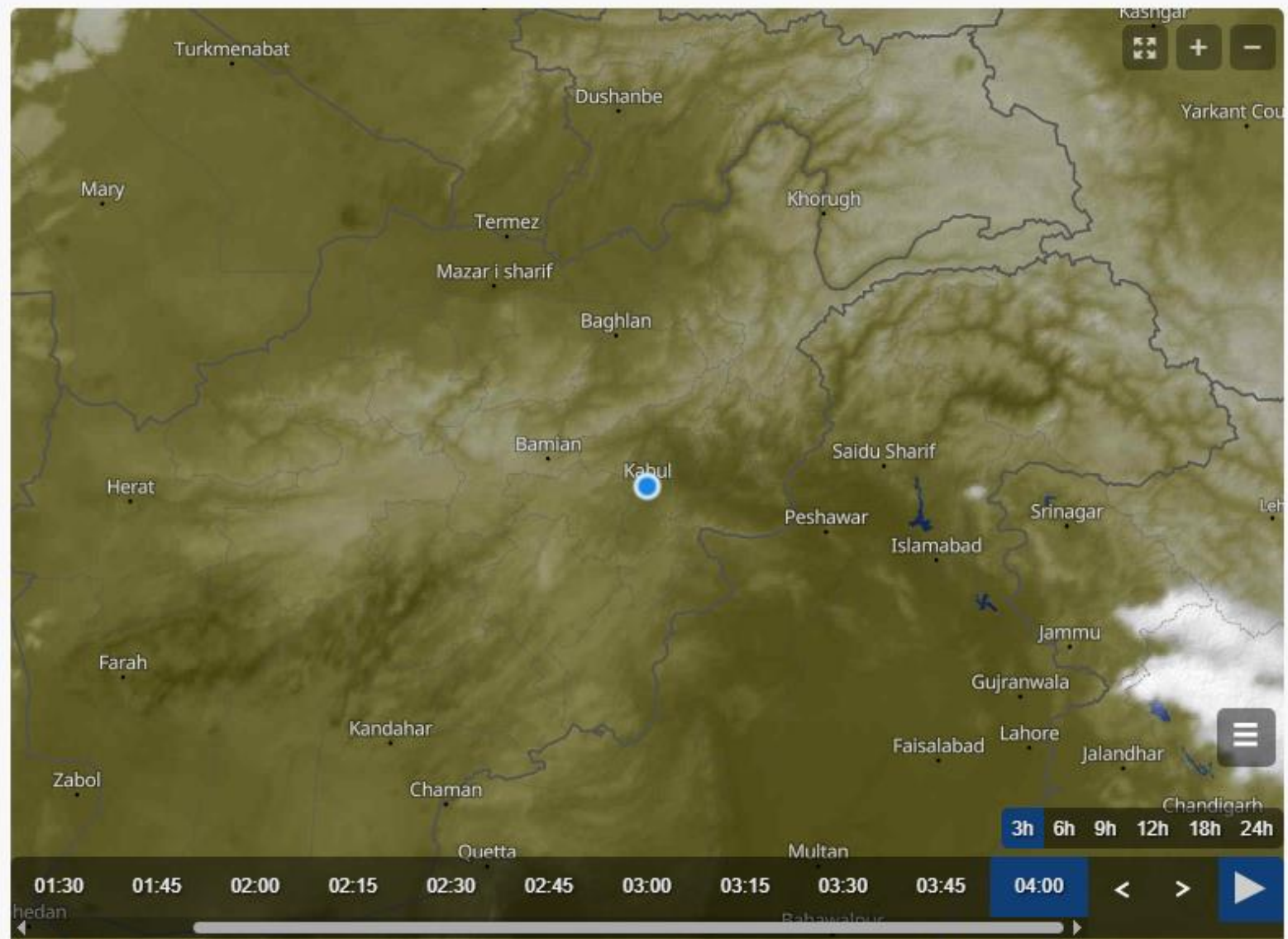


SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

14-09-2025/(2245 to 2312) GMT
15-09-2025/(0415 to 0442) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-09-14 23:15(UTC)

