



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



Daily reports of Satellite imagery analysis. Date & Time: 16/09/2025, 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	√ dry	X	X	Dust storm
3	West	✓	✓	X	X	X	√ dry	X	X	
4	East	✓	X	X	✓	X	√ dry	X	X	
5	central	✓	X	X	X	X	√ dry	X	X	
6	Northeast	✓	X	X	✓	X	√ weak	X	X	
7	Southeast	✓	✓	X	X	X	√ dry	X	X	
8	Northwest	✓	X	X	X	X	√ dry	X	X	
9	Southwest	✓	✓	X	X	X	√ dry	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 southern, western, southeastern and southwestern areas have dust. The northern, eastern and northeastern areas have cloudy sky. The southern, western, eastern, central, southwestern, southeastern, northwestern areas have dry water vapor and the northern, northeastern, areas have weak water vapor.

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

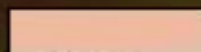
- Reported by: Esmatullah Mohammadi

UTC : 2025-09-16 05:30

AirMass



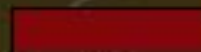
Thick,
high-level cloud



Thick,
mid-level cloud



Thick,
low-level cloud



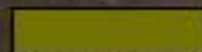
Jet



Cold Airmass



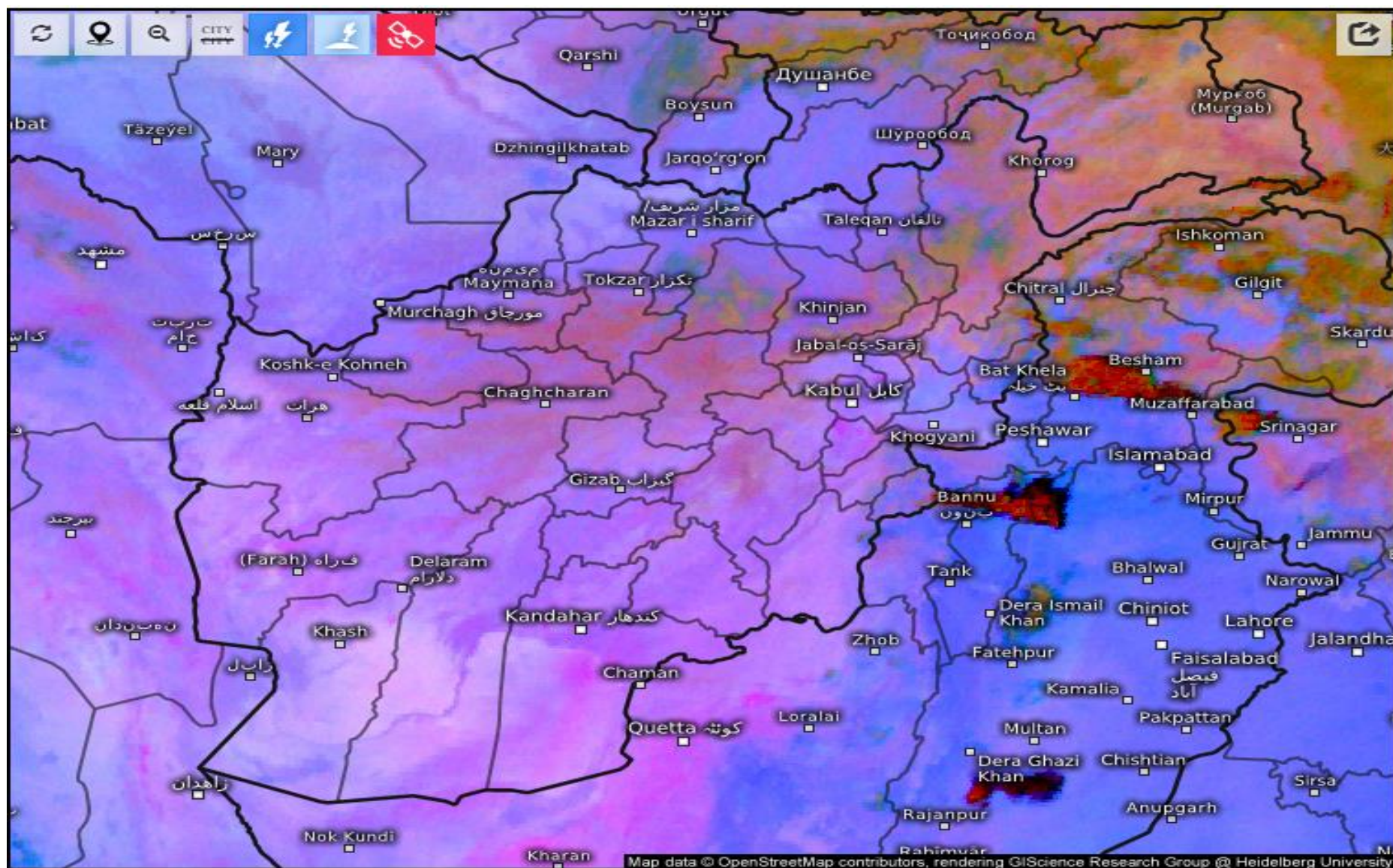
Warm Airmass
(high UTH)



Warm Airmass
(low UTH)

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust 

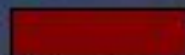
Tue 09/16/2025, 07:00pm GMT+0430

UTC : 2025-09-16 05:15

Dust



Dust



High-level cloud



Thick,
mid-level cloud



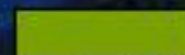
Thin,
mid-level cloud



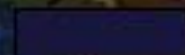
Ocean



Land



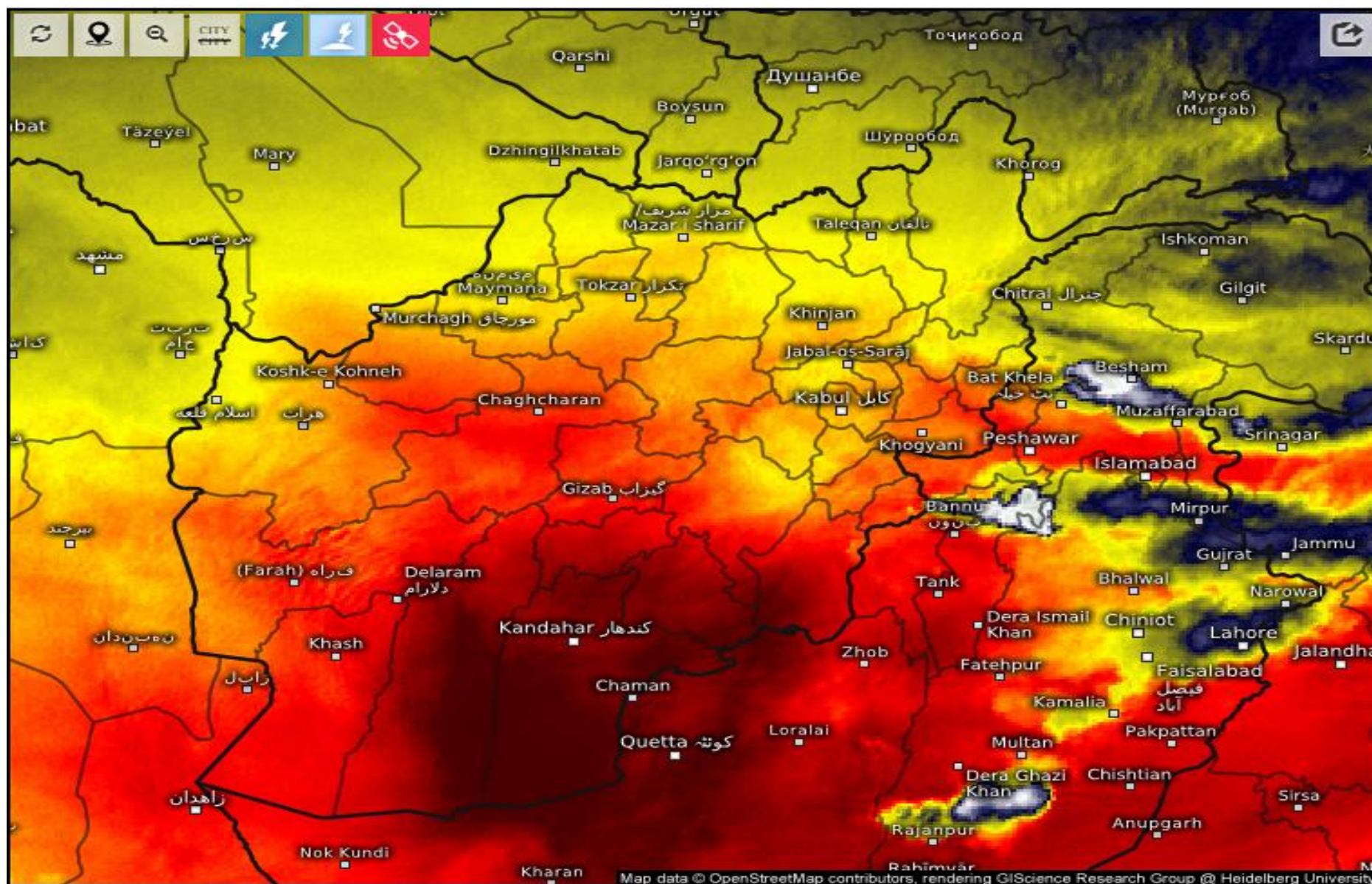
Low-level cloud



Cirrus

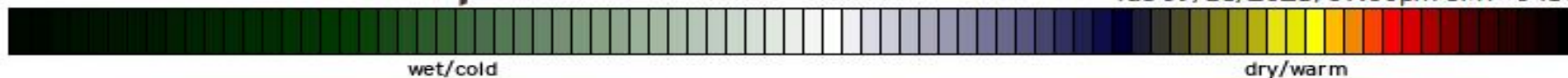
FY-4B Dust RGB Composite (From WMO)





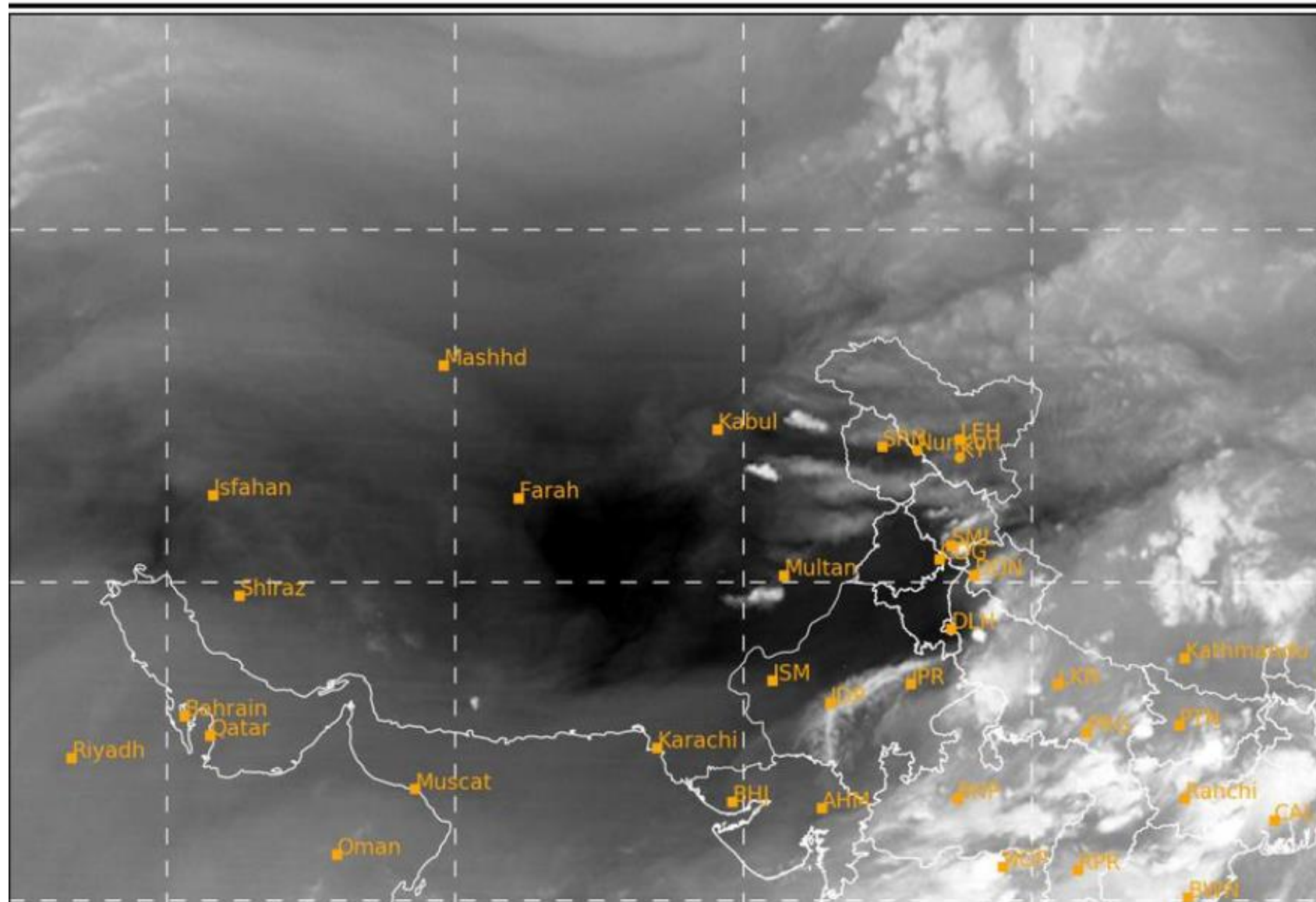
Satellite Water Vapor

Tue 09/16/2025, 07:00pm GMT+0430



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

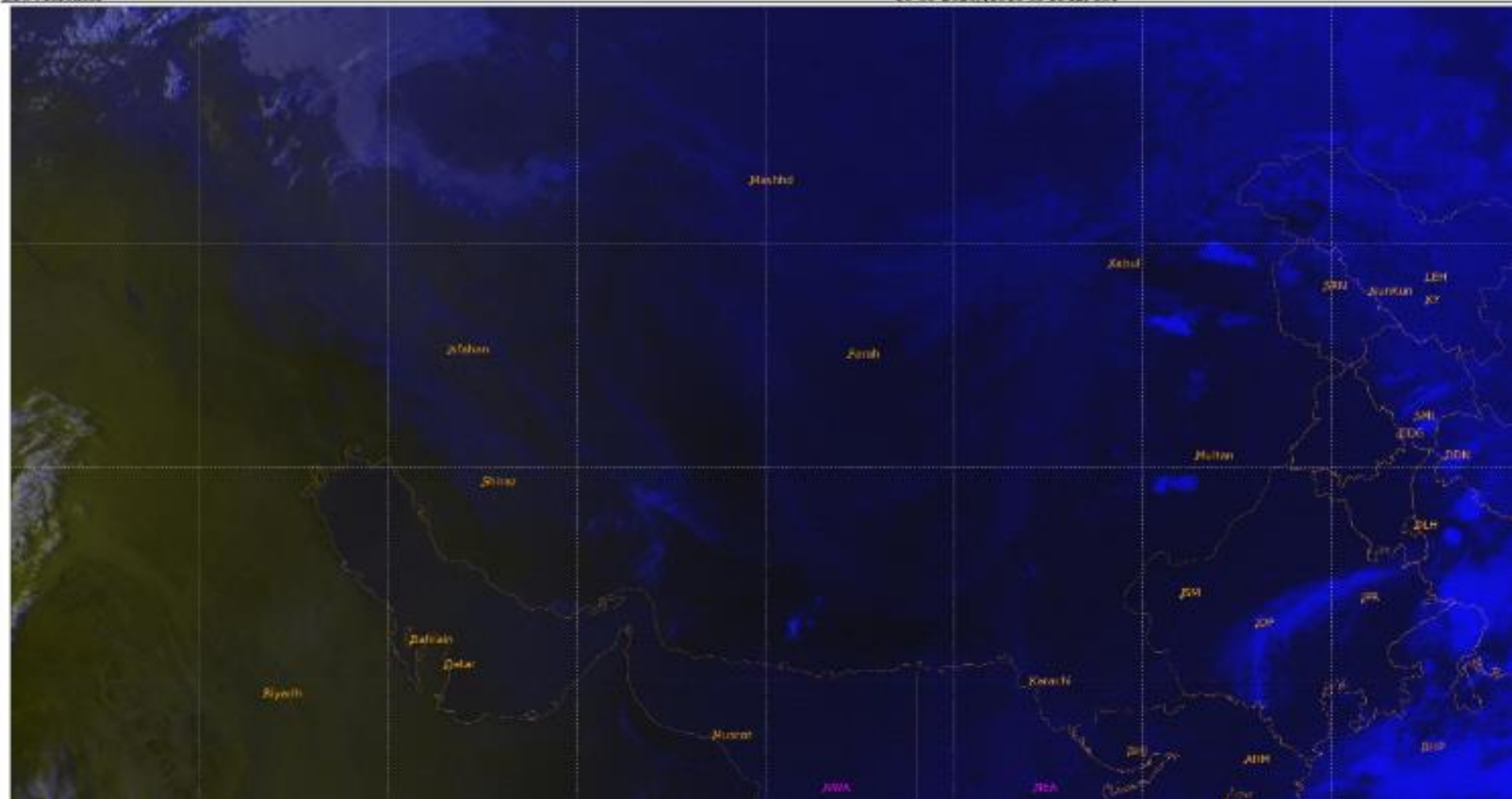
16-09-2025/(1345 to 1412) GMT
16-09-2025/(1915 to 1942) IST

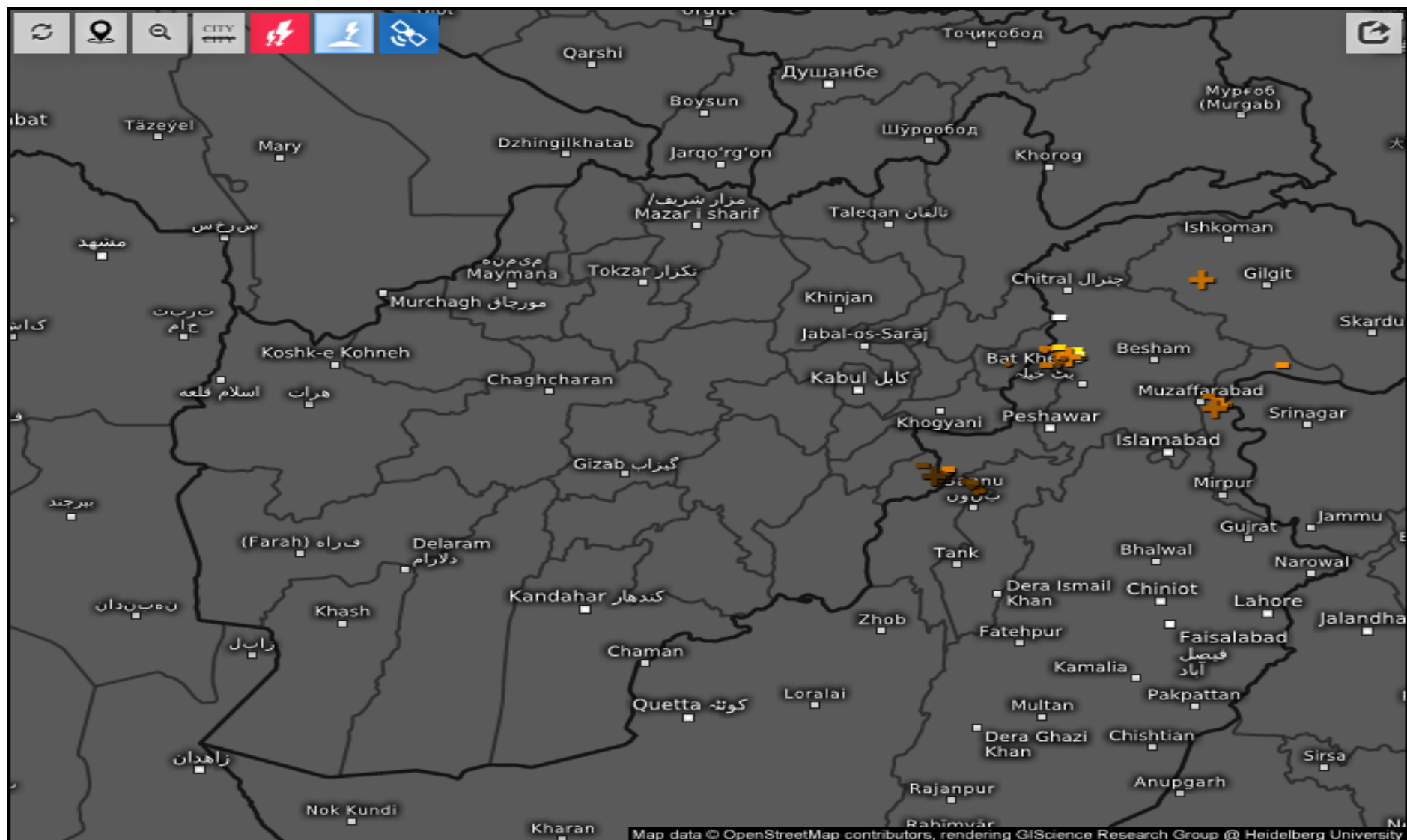


SAT : INSAT-3DR IMG
 IMG_VIS 0.65 um(R), IMG_VIS 0.65 um(G), IMG_TIR1 10.8 um(B)
 L1C Mercator

16-09-2023/(1345 to 1412) GMT

16-09-2023/(1915 to 1942) IST





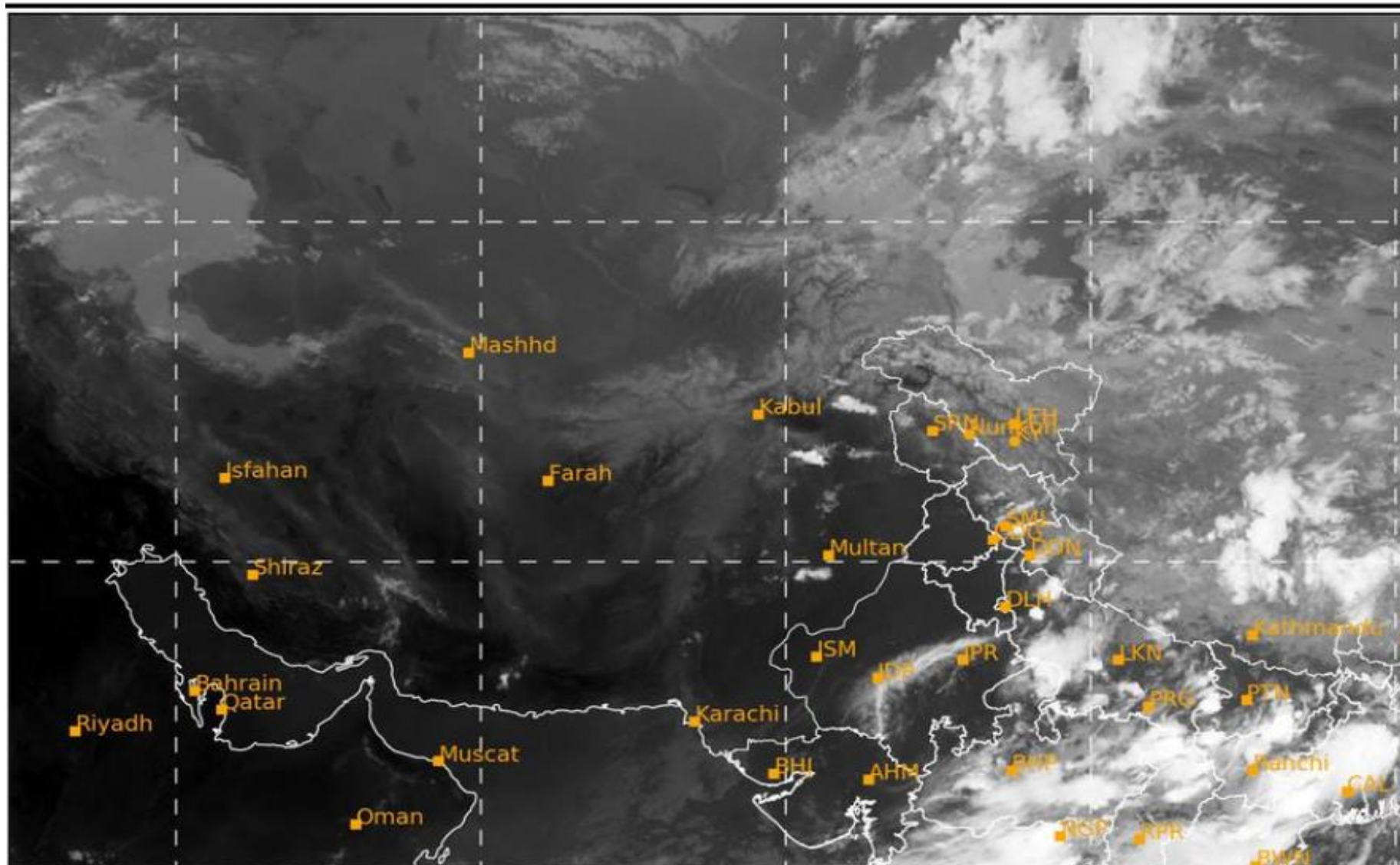
Age of lightning (minutes) 

Tue 09/16/2025, 07:15pm GMT+0430



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

16-09-2025/(1345 to 1412) GMT
16-09-2025/(1915 to 1942) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-09-16 14:15(UTC)

