



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



Satellite General Management

Daily reports of Satellite imagery analysis. Date & Time: 19/09/2025, 00:00 UTC

No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	X	✓	X	√ weak	X	X	
2	South	✓	✓	X	X	X	√ dry	X	X	
3	West	✓	✓	X	X	X	√ dry	X	X	
4	East	✓	X	✓	✓	X	√ dry	X	X	
5	central	✓	X	X	X	X	√ weak	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 eastern areas have lightning. The northern, eastern and northeastern areas have cloudy sky. The southern, western, central, southwestern, southeastern, northwestern areas have dry water vapor and the northern, eastern, northeastern, areas have weak water vapor.

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-09-18 07:15

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

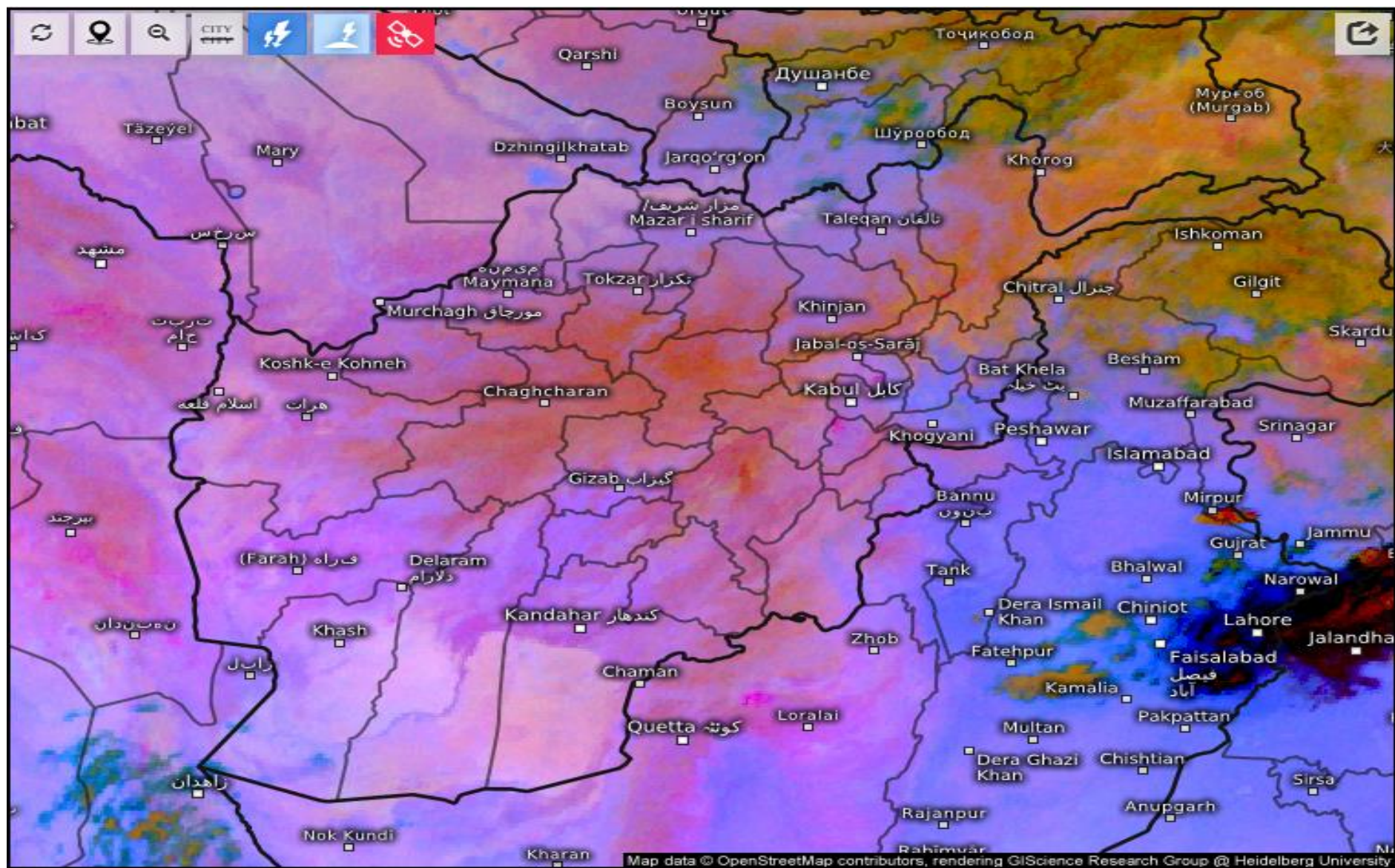
Cold Airmass

Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust

Fri 09/19/2025, 04:00am GMT+0430

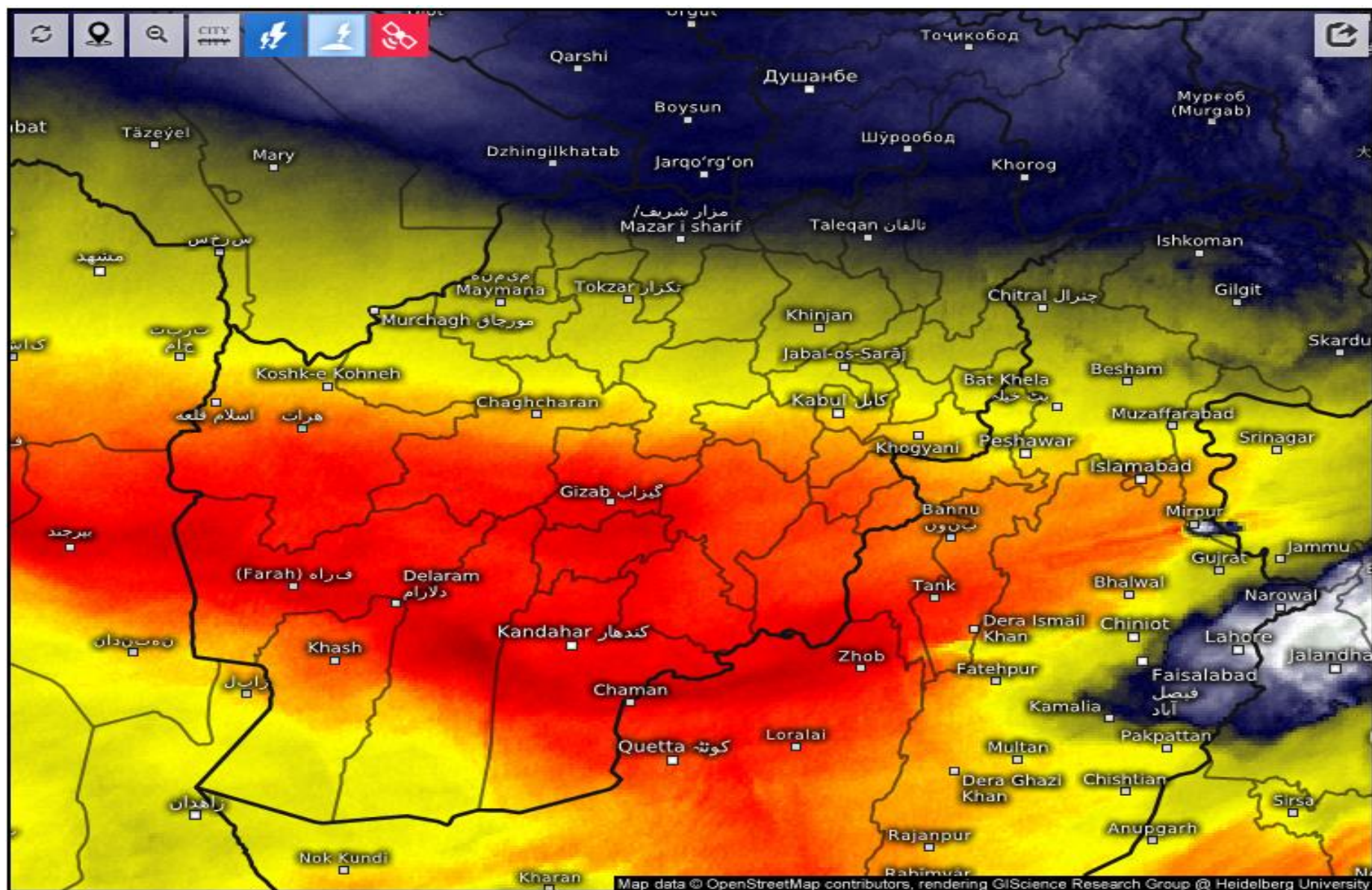
UTC : 2025-09-18 07:45

Dust



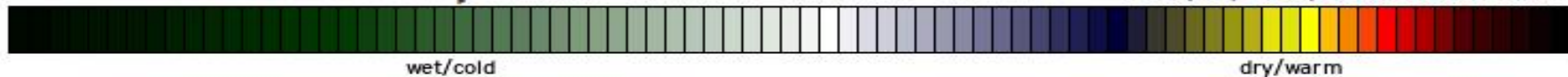
FY-4B Dust RGB Composite (From WMO)





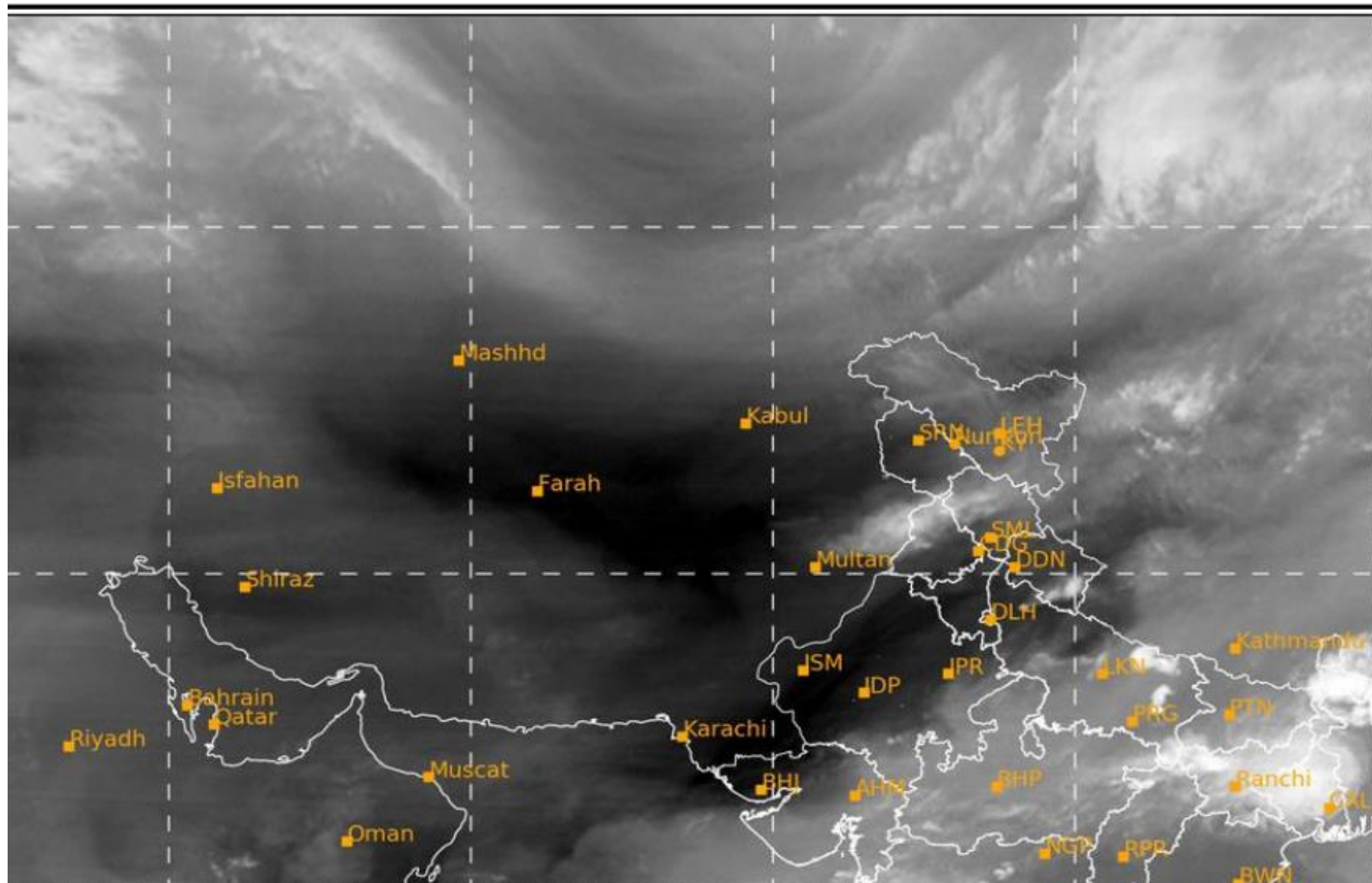
Satellite Water Vapor

Fri 09/19/2025, 04:00am GMT+0430



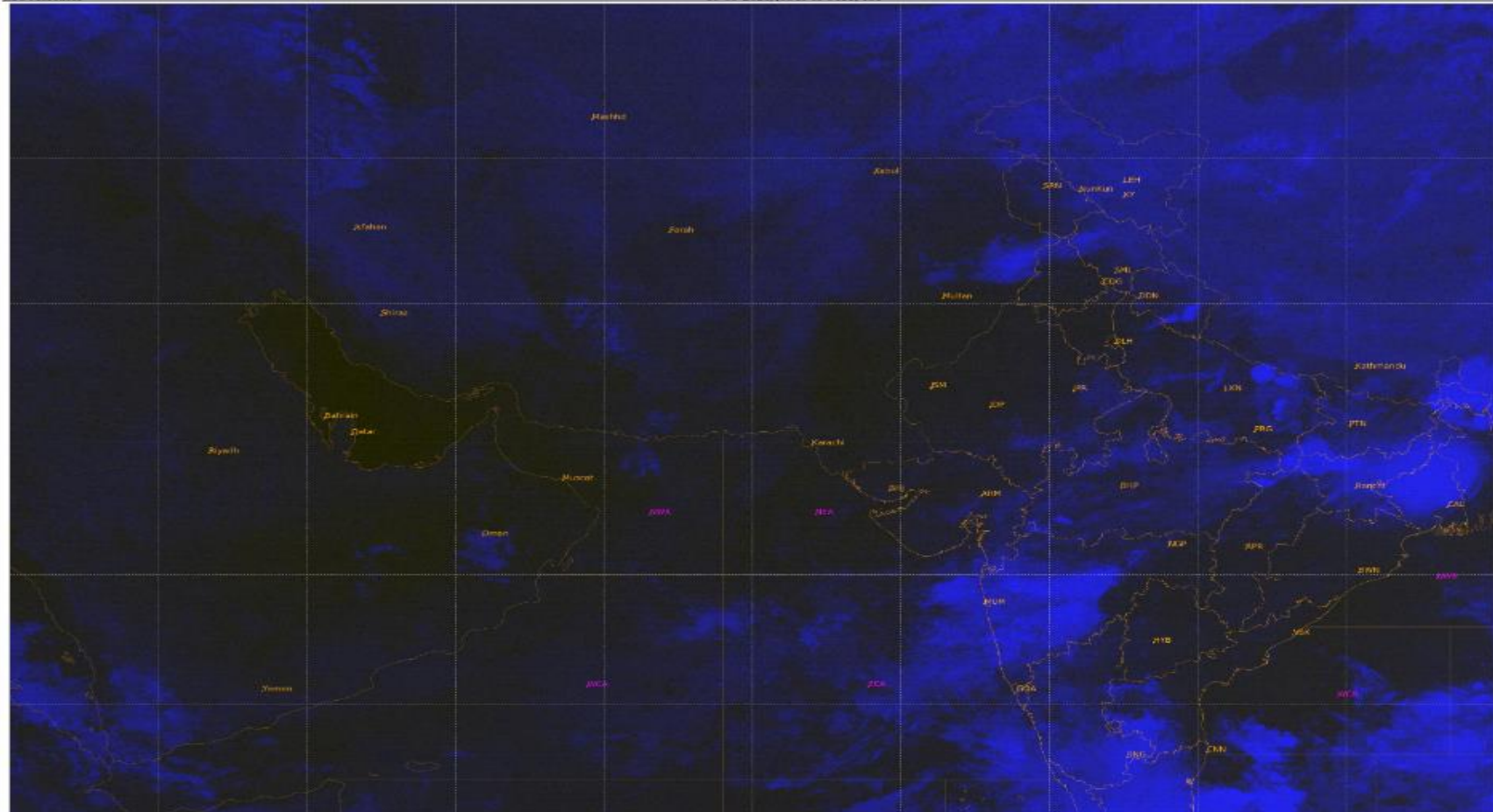
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

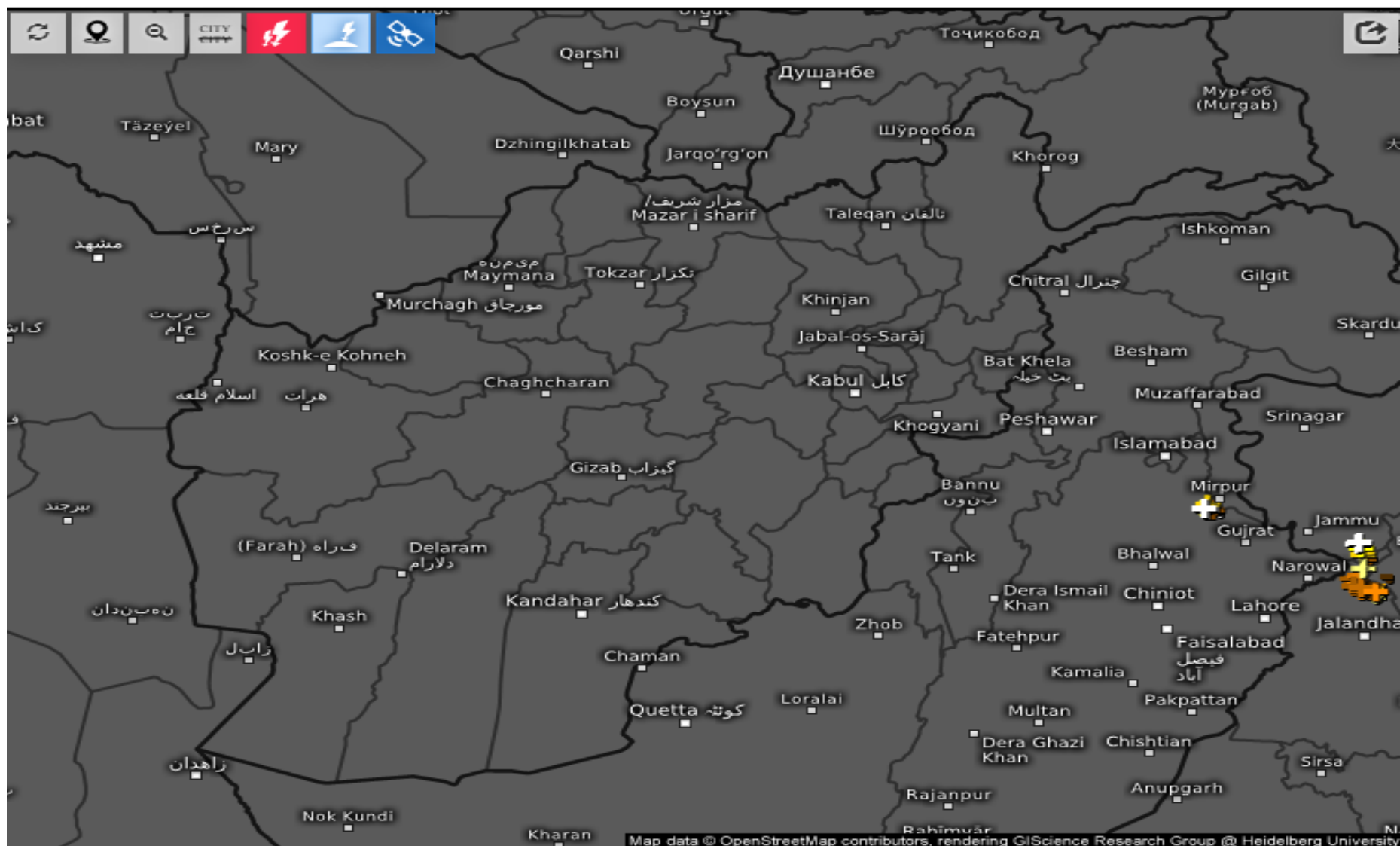
18-09-2025/(2245 to 2311) GMT
19-09-2025/(0415 to 0441) IST



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

18-09-2025/(2215 to 2241) GMT
19-09-2025/(0145 to 0411) IST





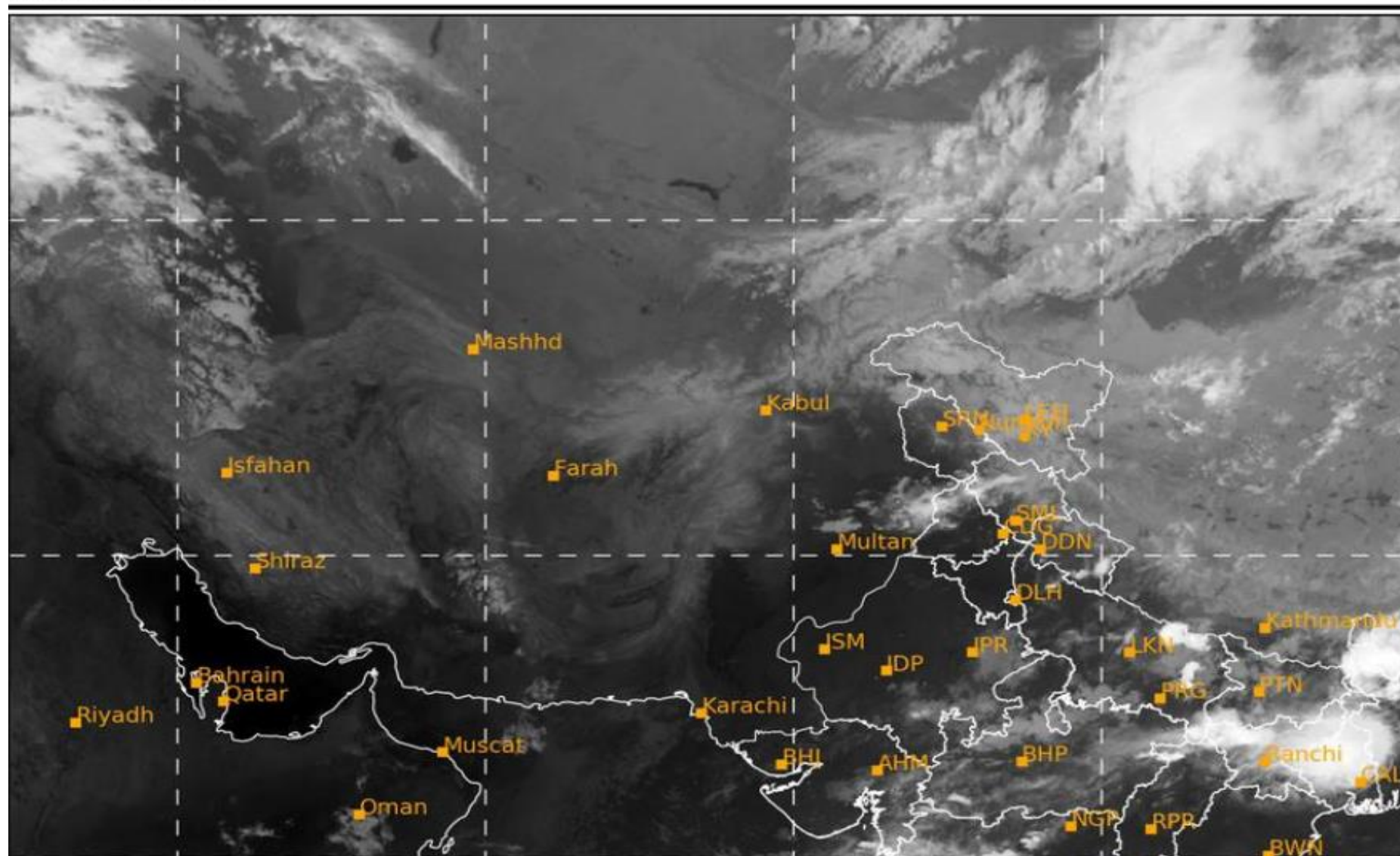
Age of lightning (minutes) 

Fri 09/19/2025, 04:10am GMT+0430



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

18-09-2025/(2245 to 2311) GMT
19-09-2025/(0415 to 0441) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-09-18 23:15(UTC)

