



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



Daily reports of Satellite imagery analysis. Date & Time: 01/09/2025, 00:00 UTC

No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	✓	X	X	X	√ dry	X	X	dust storm
2	South	✓	✓	X	X	X	√ dry	X	X	
3	West	✓	✓	X	X	X	√ dry	X	X	
4	East	✓	X	✓	✓	X	√ weak	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	√ dry	X	X	
9	Southwest	✓	✓	X	X	X	√ dry	X	X	

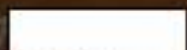
- **Details:** According to satellite imagery analysis, the northern, southern, western, eastern, central, northeastern, southeastern, southwestern, and northwestern areas have warm air mass (High UTH). The southern, western, northwestern and southwestern areas have dust. The eastern areas have lightning.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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-08-31 12:45

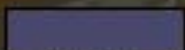
AirMass



Thick,
high-level cloud



Thick,
mid-level cloud



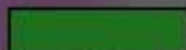
Thick,
low-level cloud



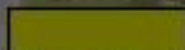
Jet



Cold Airmass



Warm Airmass
(high UTH)

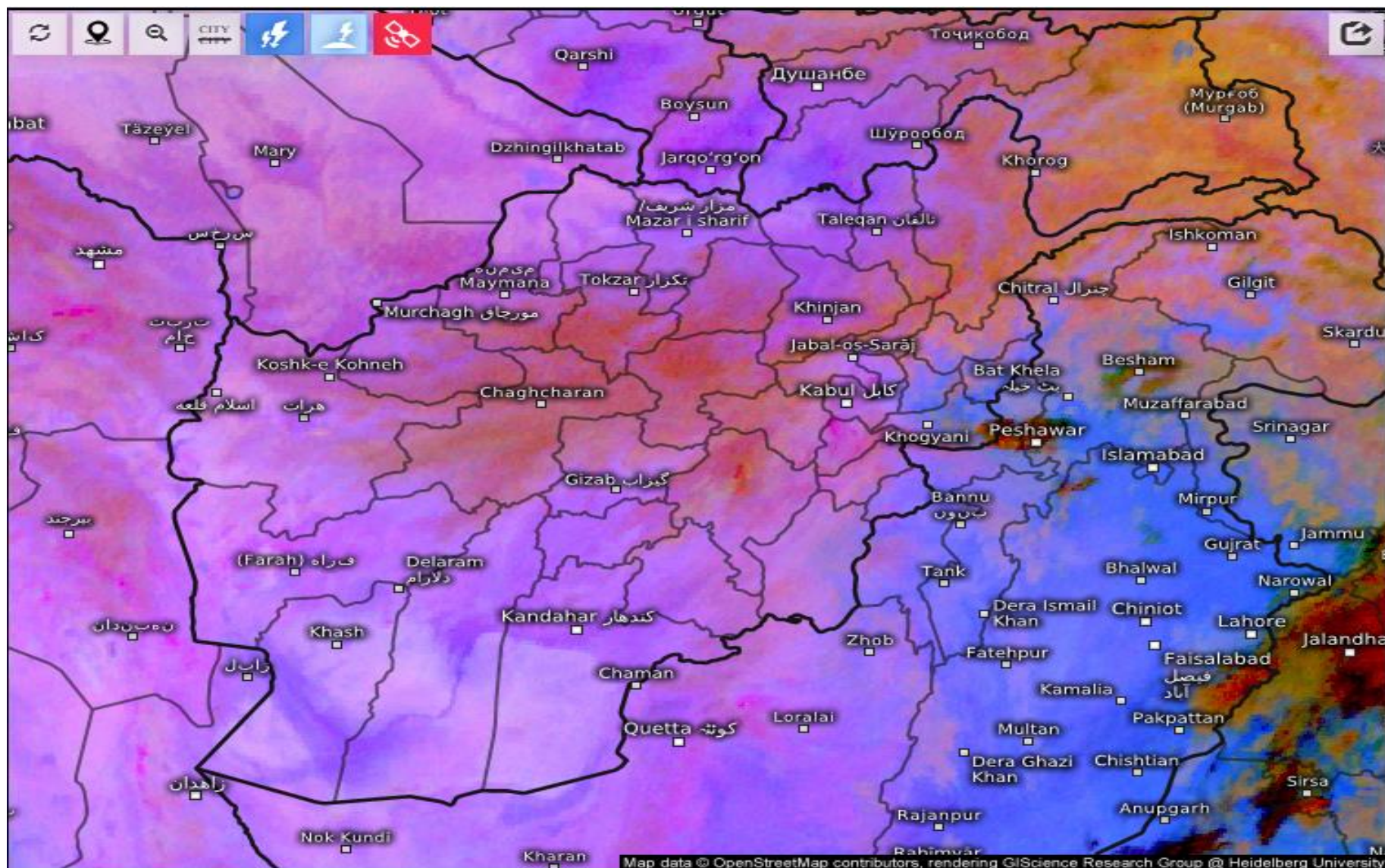


Warm Airmass
(low UTH)

R = V
G = I
B = V

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust 

Mon 09/01/2025, 03:45am GMT+0430

UTC : 2025-08-31 12:45

Dust



Dust



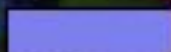
High-level cloud



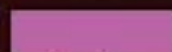
Thick,
mid-level cloud



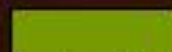
Thin,
mid-level cloud



Ocean



Land



Low-level cloud

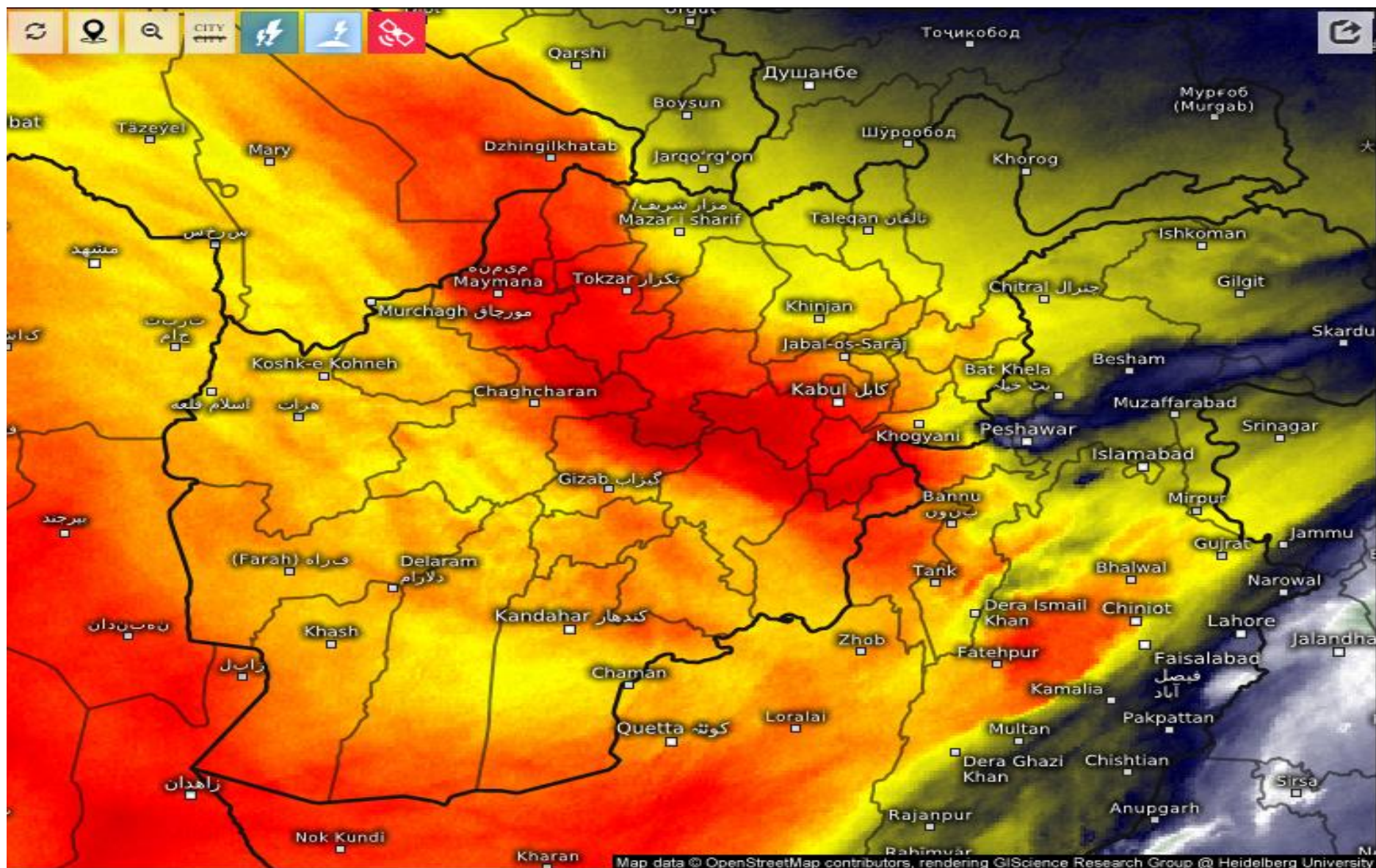


Cirrus

R = IR (1)
G = IR (1)
B = IR (1)

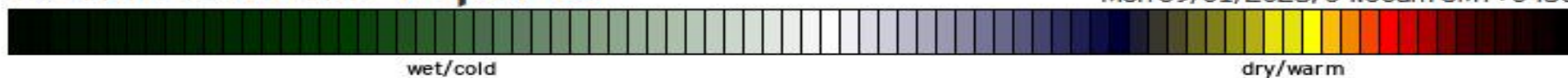
FY-4B Dust RGB Composite (From WMO)





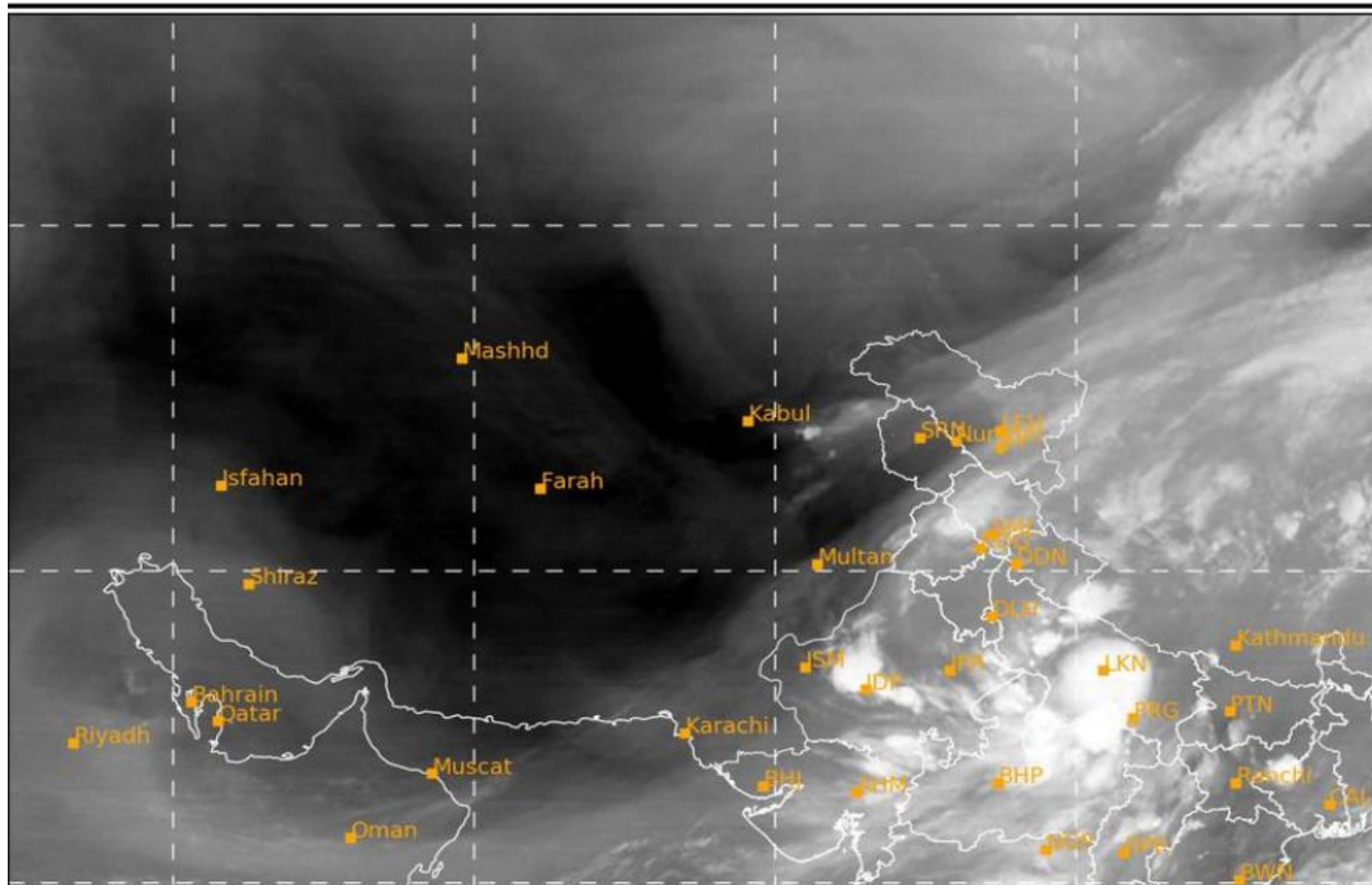
Satellite Water Vapor

Mon 09/01/2025, 04:00am GMT+0430



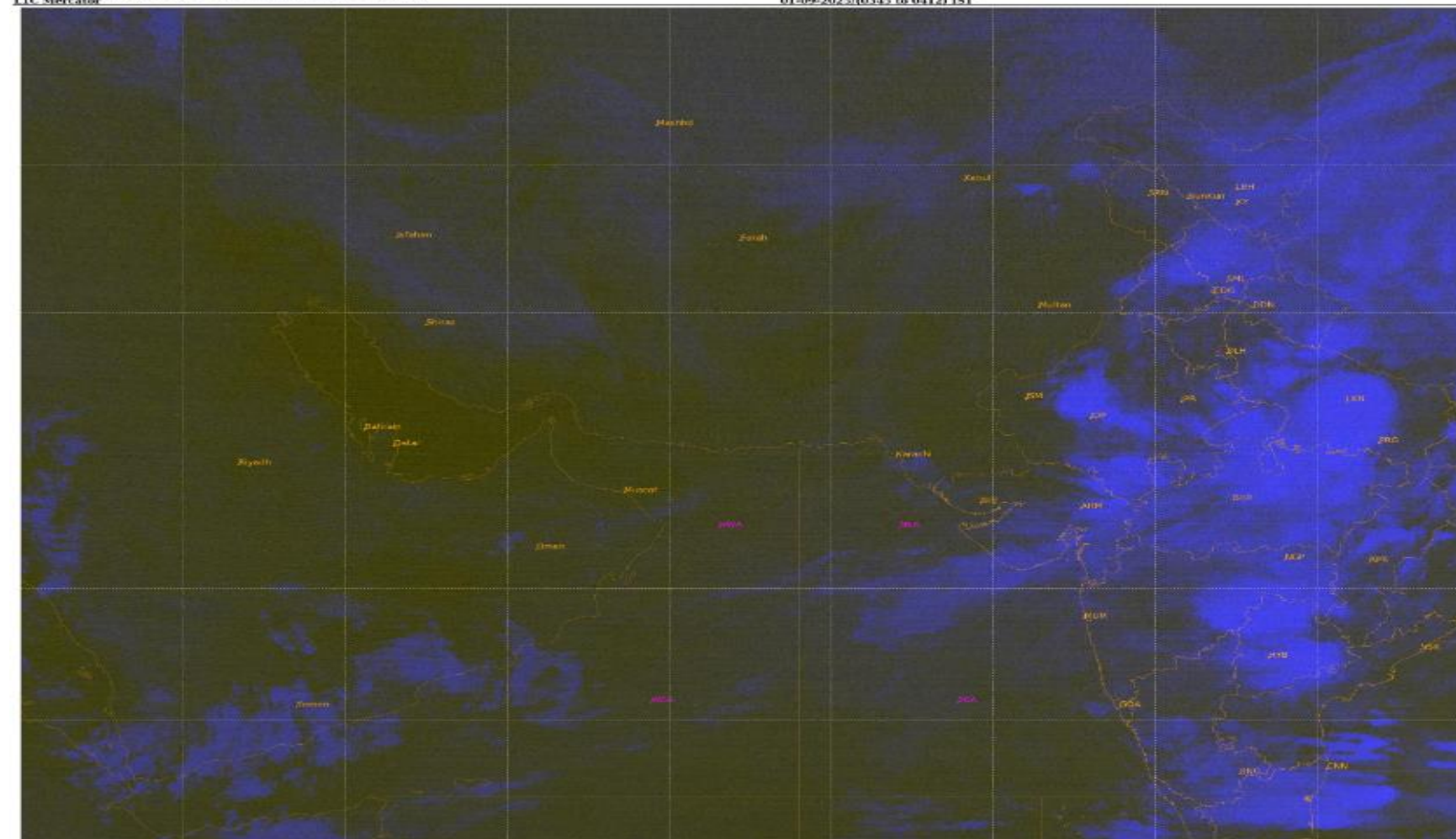
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

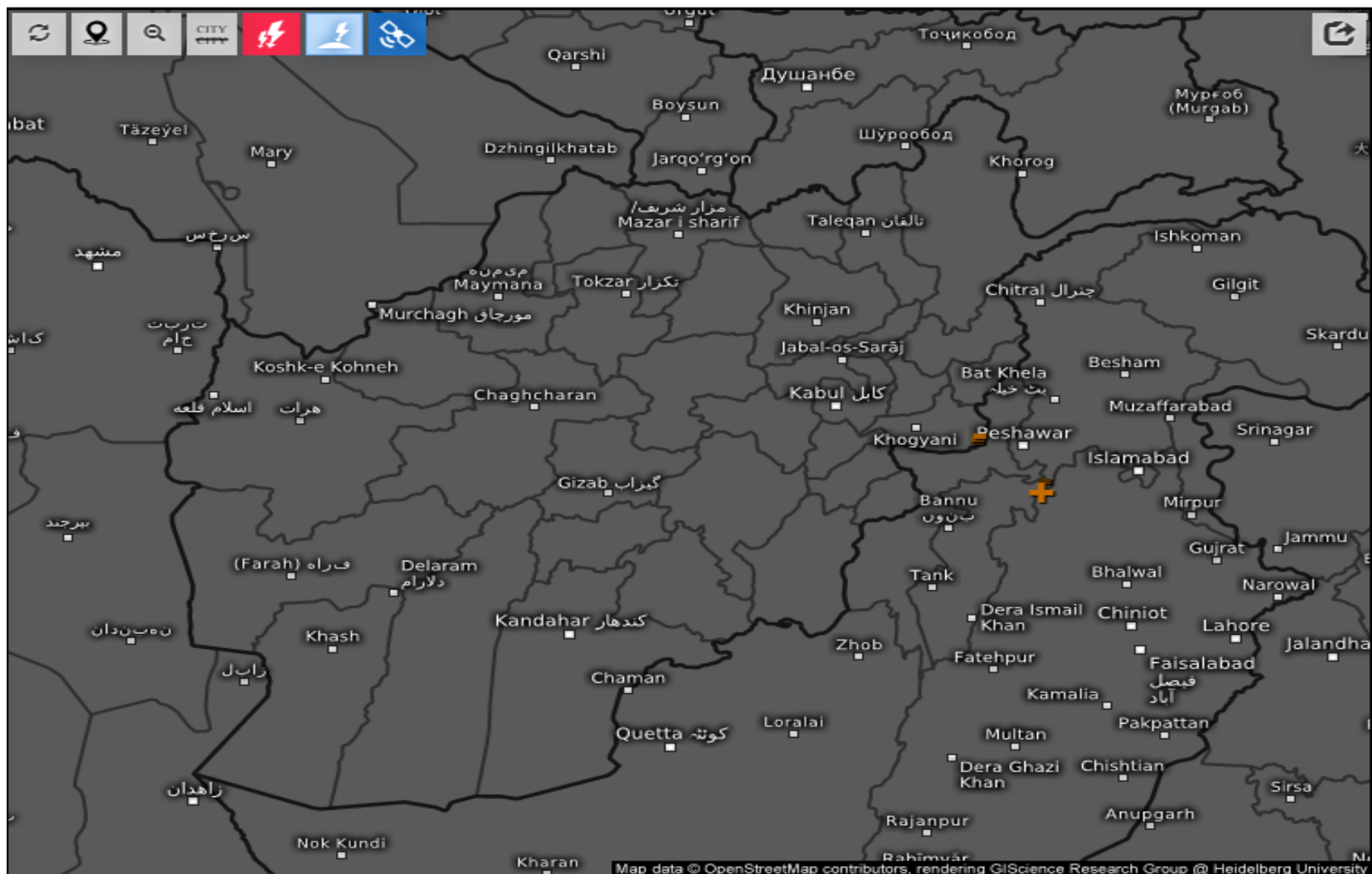
31-08-2025/(2215 to 2242) GMT
01-09-2025/(0345 to 0412) IST



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

31-08-2025/(2215 to 2242) GMT
 01-09-2025/(0345 to 0412) IST





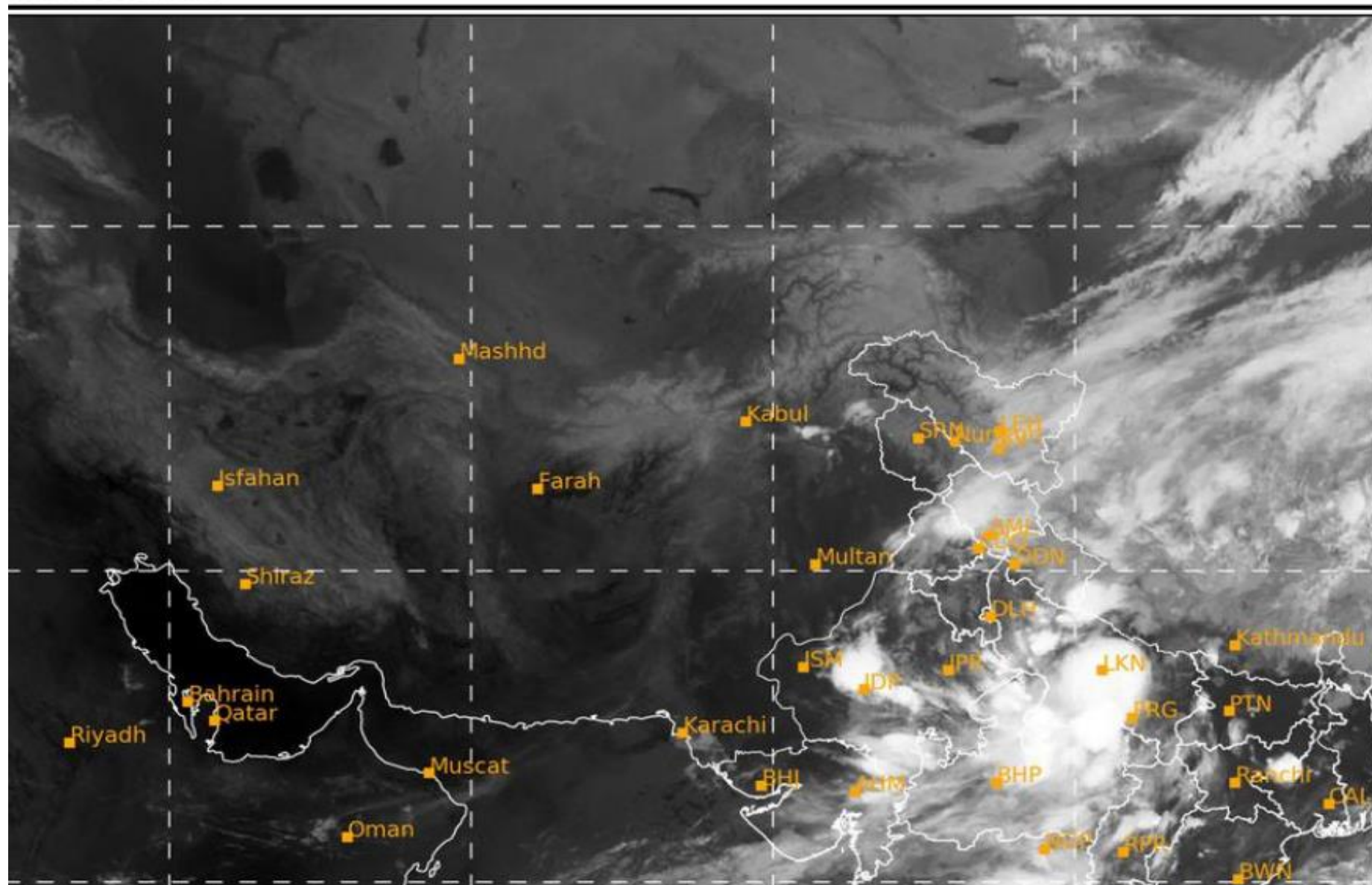
Age of lightning (minutes) 

Mon 09/01/2025, 04:10am GMT+0430



L1C Mercator

01-09-2025/(0345 to 0412) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-08-31 23:15(UTC)

