



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



Daily reports of Satellite imagery analysis. Date & Time: 09/09/2025, 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	√ dry	X	X	
2	South	✓	✓	X	X	X	√ dry	X	X	
3	West	✓	✓	X	X	X	√ dry	X	X	
4	East	X	X	X	✓	X	√ dry	X	X	
5	central	✓	X	X	✓	X	√ dry	X	X	
6	Northeast	✓	X	X	X	X	√ dry	X	X	
7	Southeast	X	X	X	✓	X	√ moderate	X	X	
8	Northwest	✓	X	X	X	X	√ dry	X	X	
9	Southwest	✓	✓	X	X	X	√ dry	X	X	

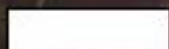
- **Details:** According to satellite imagery analysis, the northern, southern, western, central, northeastern, southwestern, and northwestern areas have warm air mass (Low UTH). The southern, western and southwestern areas have dust. The eastern, central, southeastern areas have cloudy sky. The all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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-09-08 13:45

AirMass



Thick,
high-level cloud



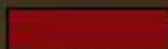
Thick,

mid-level cloud

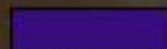


Thick,

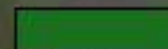
low-level cloud



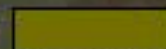
Jet



Cold Airmass



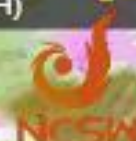
Warm Airmass
(high UTH)

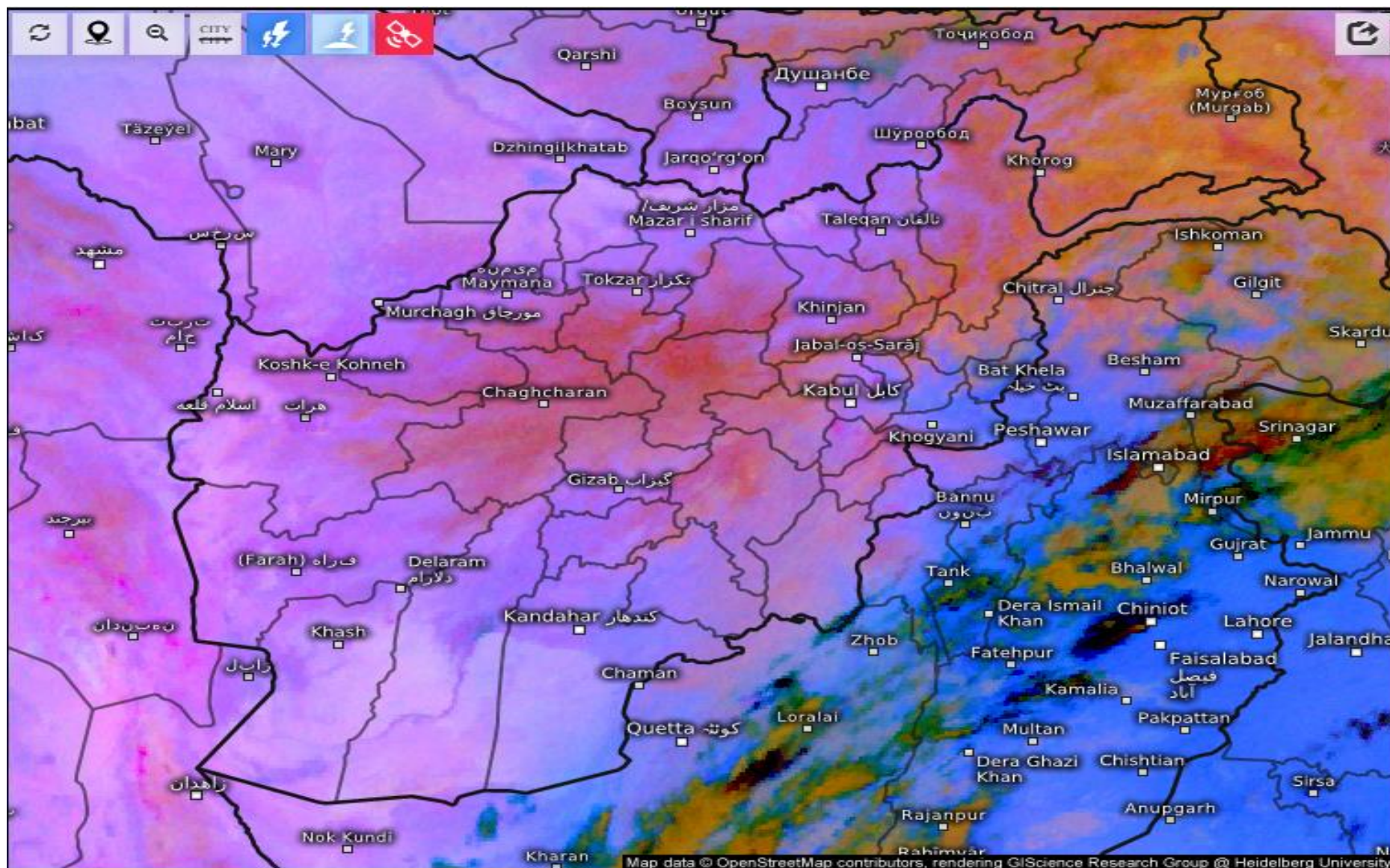


Warm Airmass
(low UTH)

R = W
G = IR
B = W

FY-4B AirMass RGB Composite (From WMO)



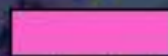


Satellite Dust 

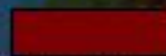
Tue 09/09/2025, 04:00am GMT+0430

UTC : 2025-09-08 13:45

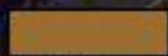
Dust



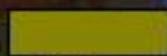
Dust



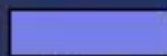
High-level cloud



Thick,
mid-level cloud



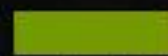
Thin,
mid-level cloud



Ocean



Land



Low-level cloud

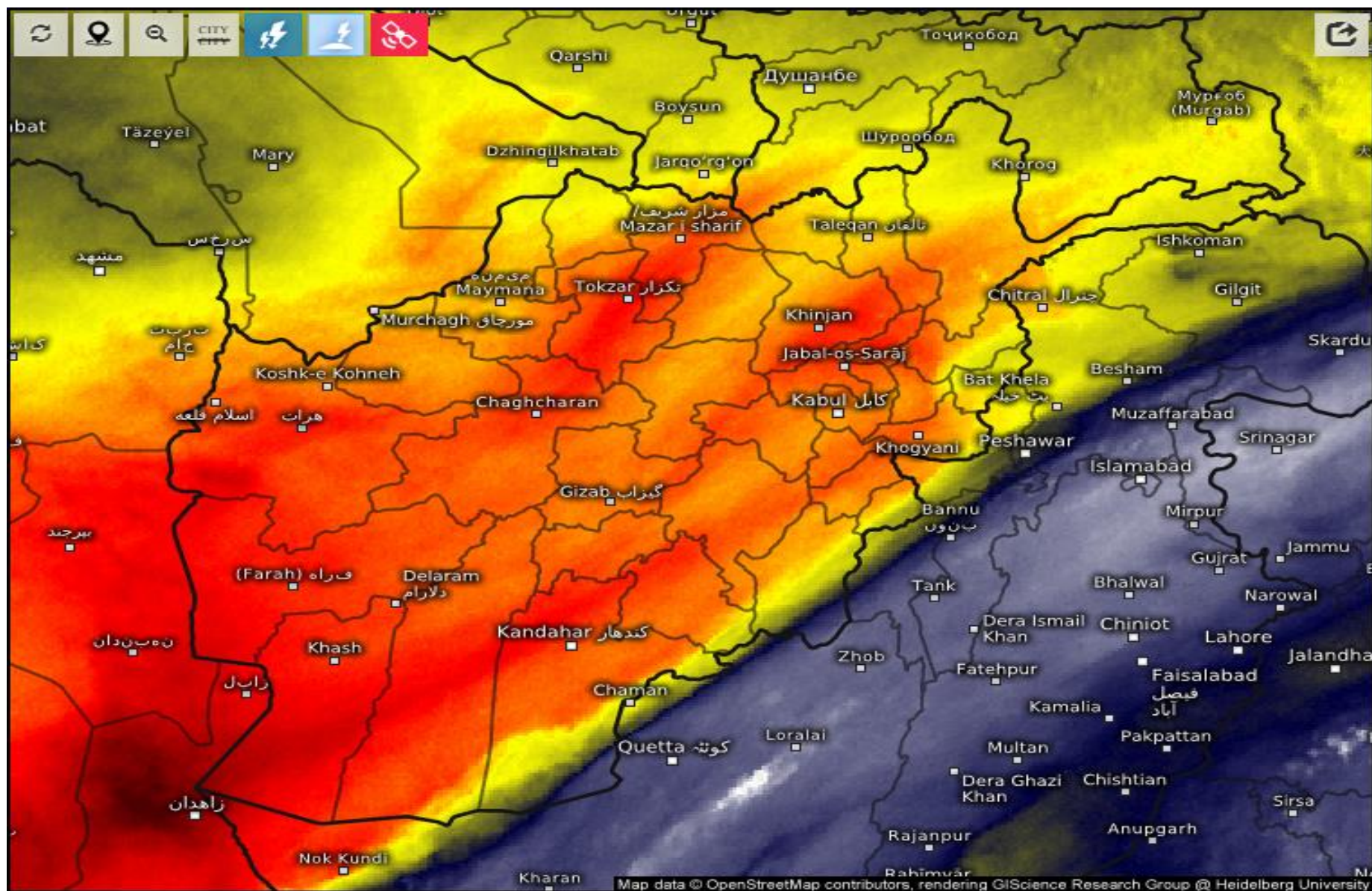


Cirrus

R = IR (12)
G = IR (10)
B = IR (10)

FY-4B Dust RGB Composite (From WMO)





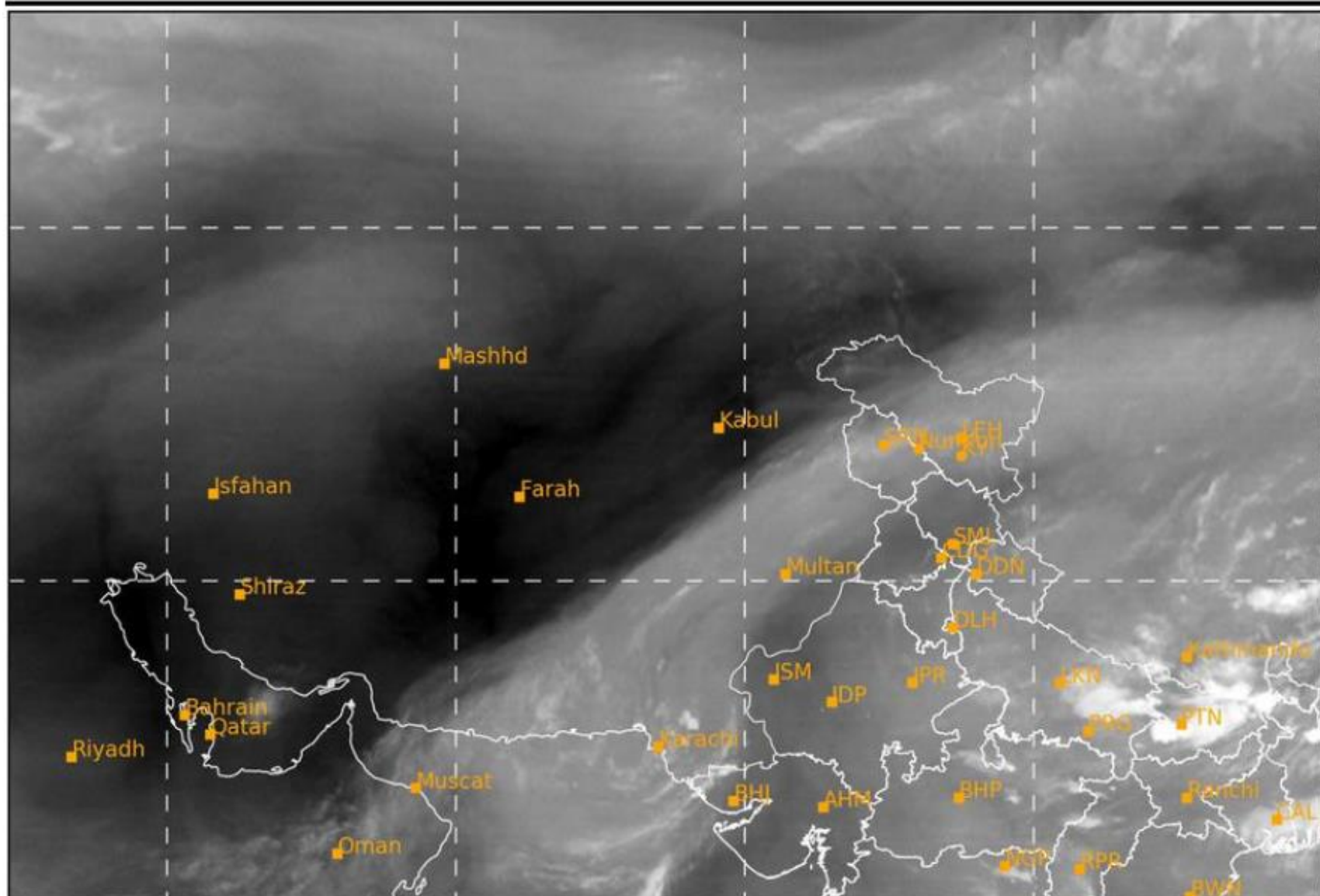
Satellite Water Vapor

Tue 09/09/2025, 04:00am GMT+0430



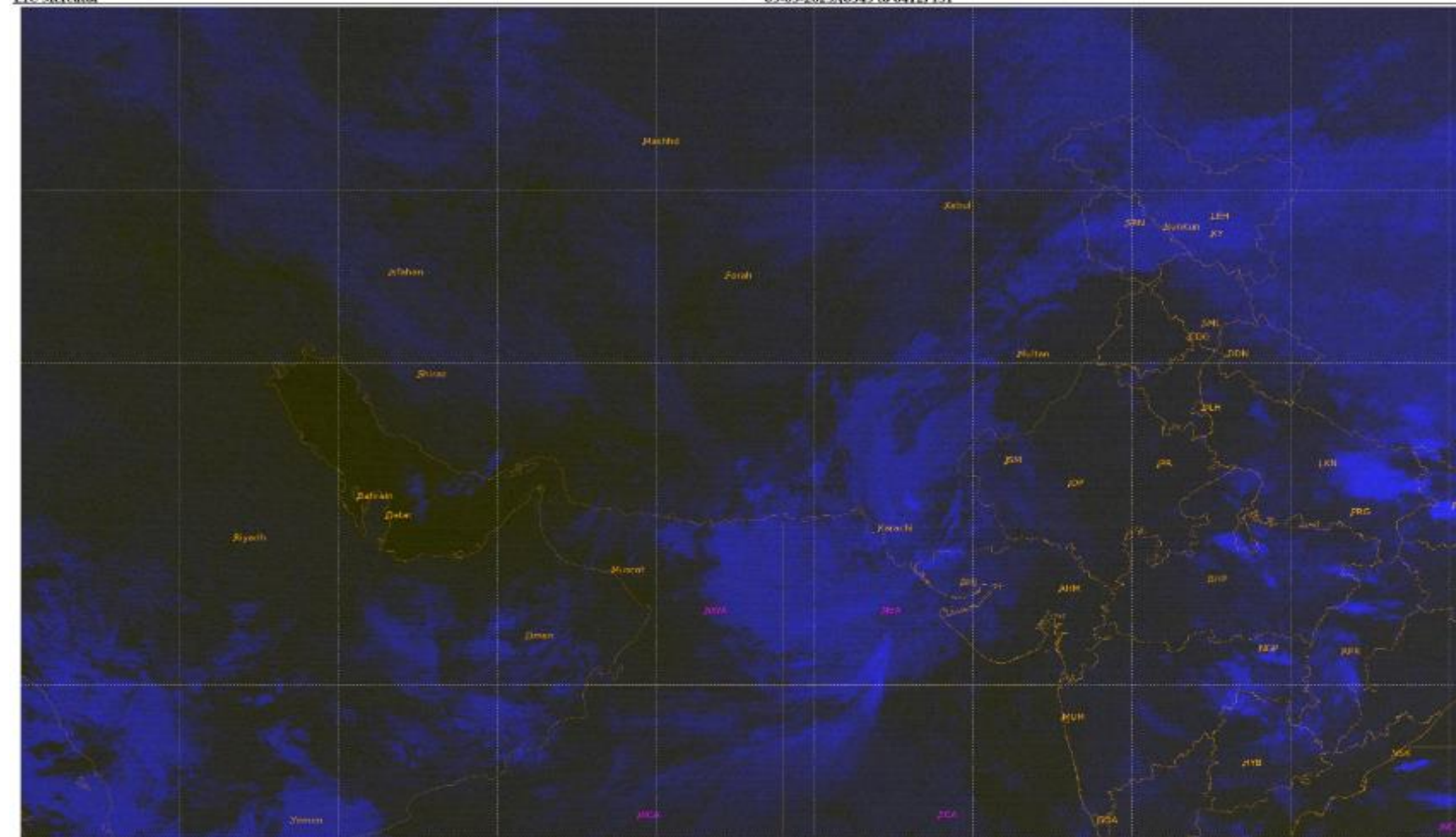
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

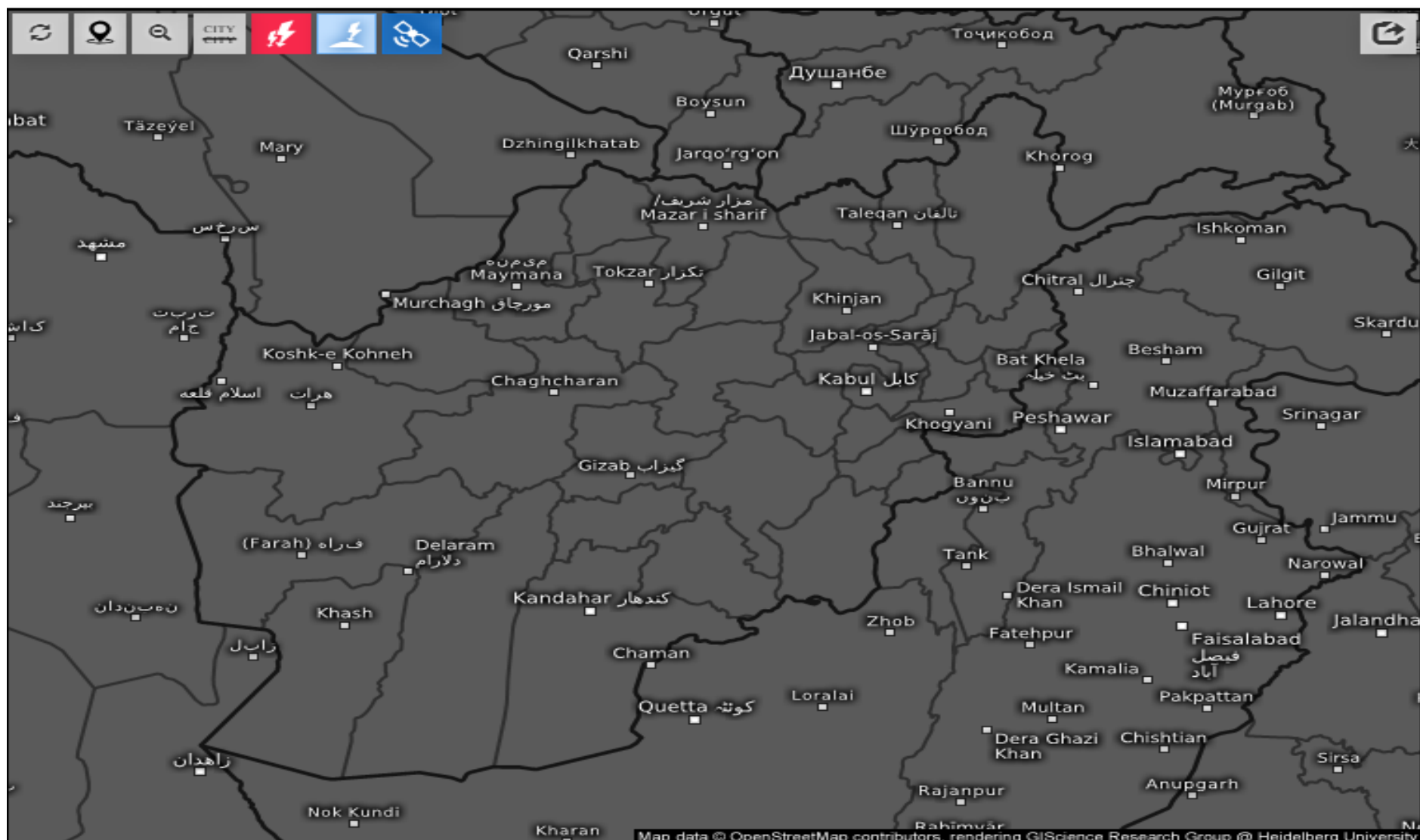
08-09-2025/(2245 to 2312) GMT
09-09-2025/(0415 to 0442) IST



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

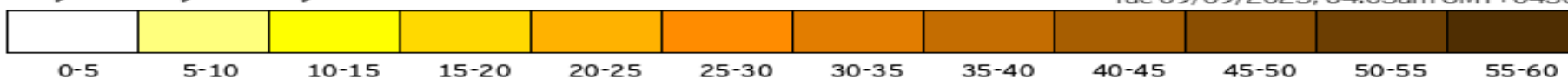
08-09-2025/(2215 to 2242) GMT
09-09-2025/(0345 to 0412) IST





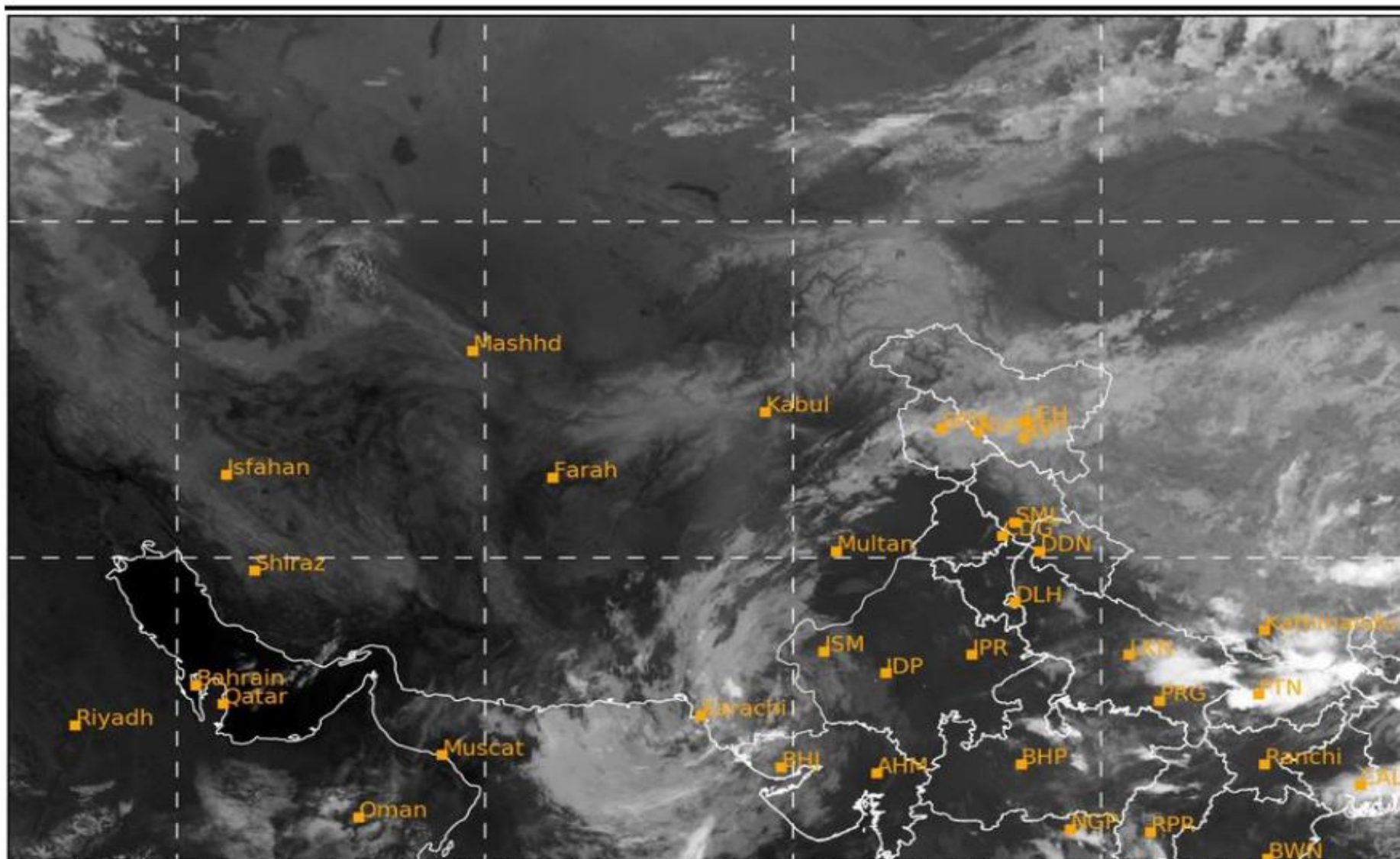
Age of lightning (minutes) 

Tue 09/09/2025, 04:05am GMT+0430



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

08-09-2025/(2245 to 2312) GMT
09-09-2025/(0415 to 0442) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-09-08 23:15(UTC)

