



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



Daily reports of Satellite imagery analysis. Date & Time: 05/09/2025, 15:00 UTC

No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	X	X	X	√ weak	X	X	
2	South	✓	✓	X	X	X	√ dry	X	X	
3	West	✓	✓	X	X	X	√ dry	X	X	
4	East	X	X	✓	✓	X	√ weak	X	X	lightning
5	central	✓	X	✓	✓	X	√ dry	X	X	
6	Northeast	✓	X	X	✓	X	√ weak	X	X	
7	Southeast	X	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, central, northeastern, southwestern, and northwestern areas have warm air mass (Low UTH). The southern, western and southwestern areas have dust. The eastern and central areas have thunderstorm. The eastern, central, northeastern and southeastern areas have cloudy sky. The all region have dry water vapor with the exception of northern, eastern and northeastern areas have weak water vapor.

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-09-05 05:30

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

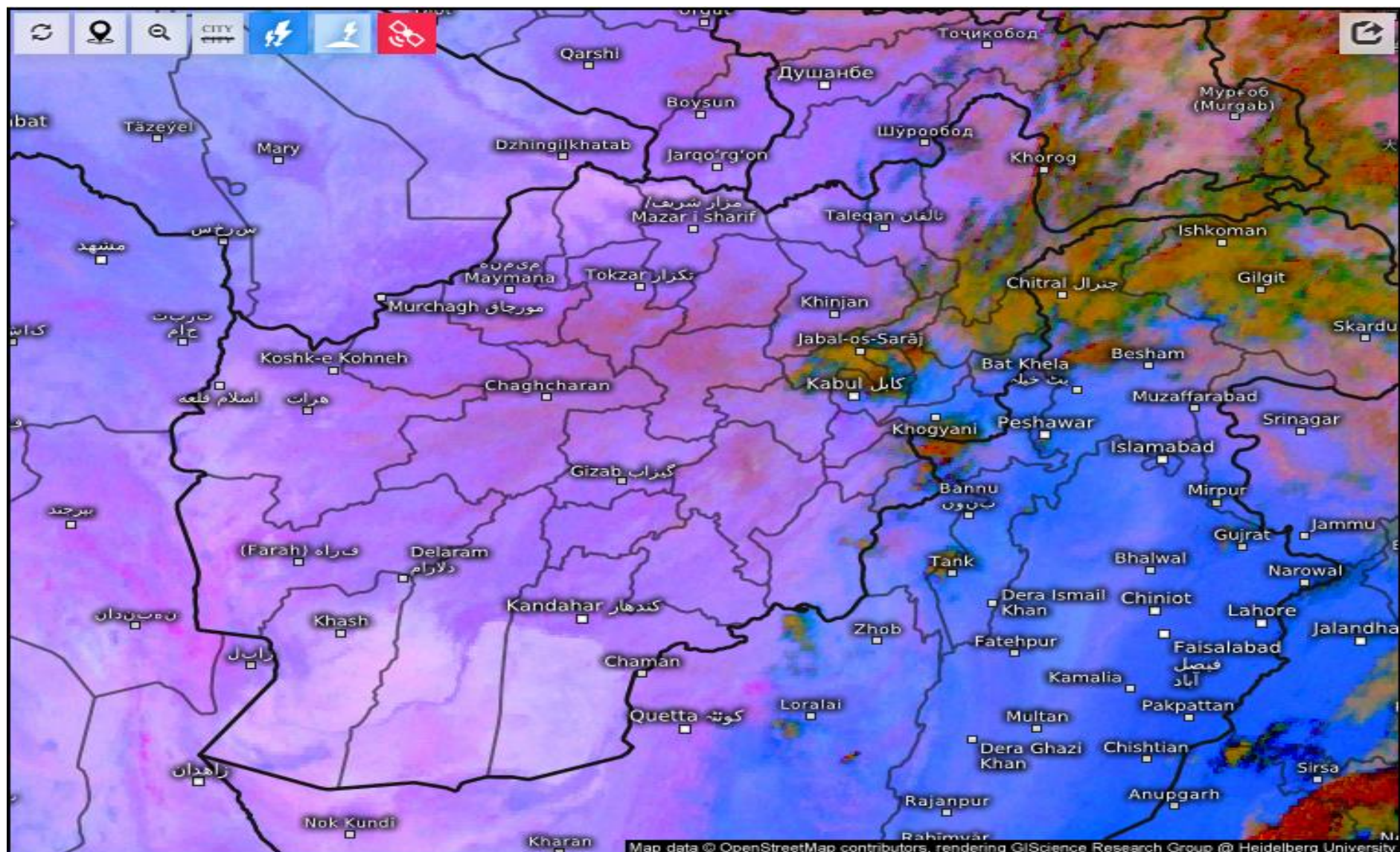
Cold Airmass

Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

FY-4B AirMass RGB Composite (From WMO)



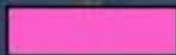


Satellite Dust 

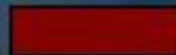
Fri 09/05/2025, 07:00pm GMT+0430

UTC : 2025-09-05 05:15

Dust



Dust



High-level cloud



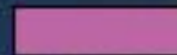
Thick,
mid-level cloud



Thin,
mid-level cloud



Ocean



Land



Low-level cloud

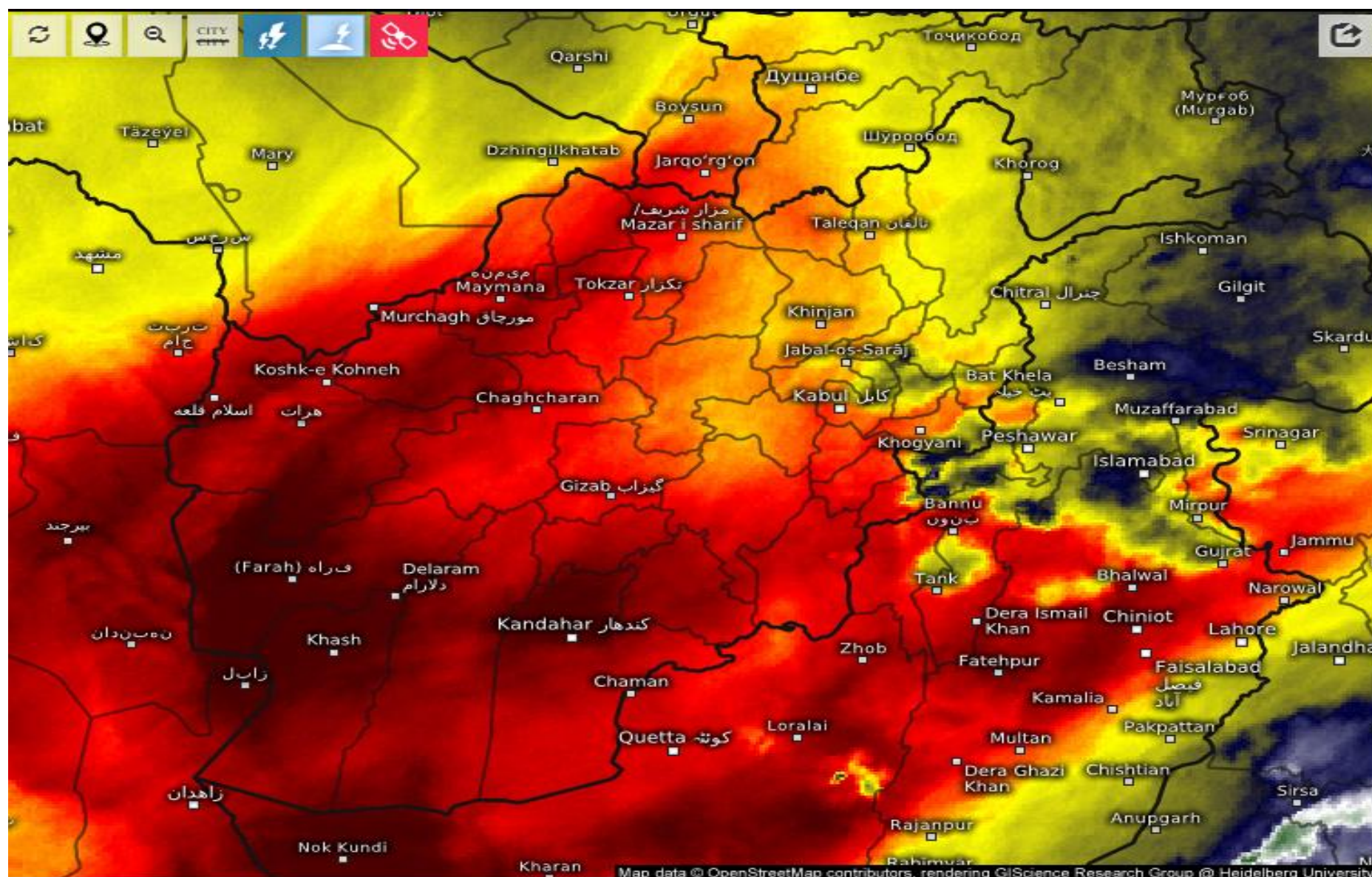


Cirrus

R =
G =
B =

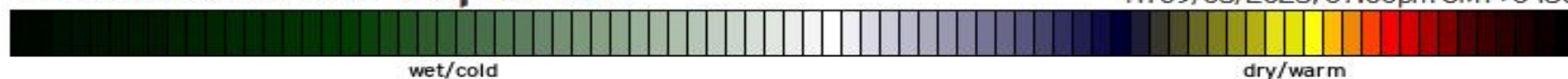
FY-4B Dust RGB Composite (From WMO)





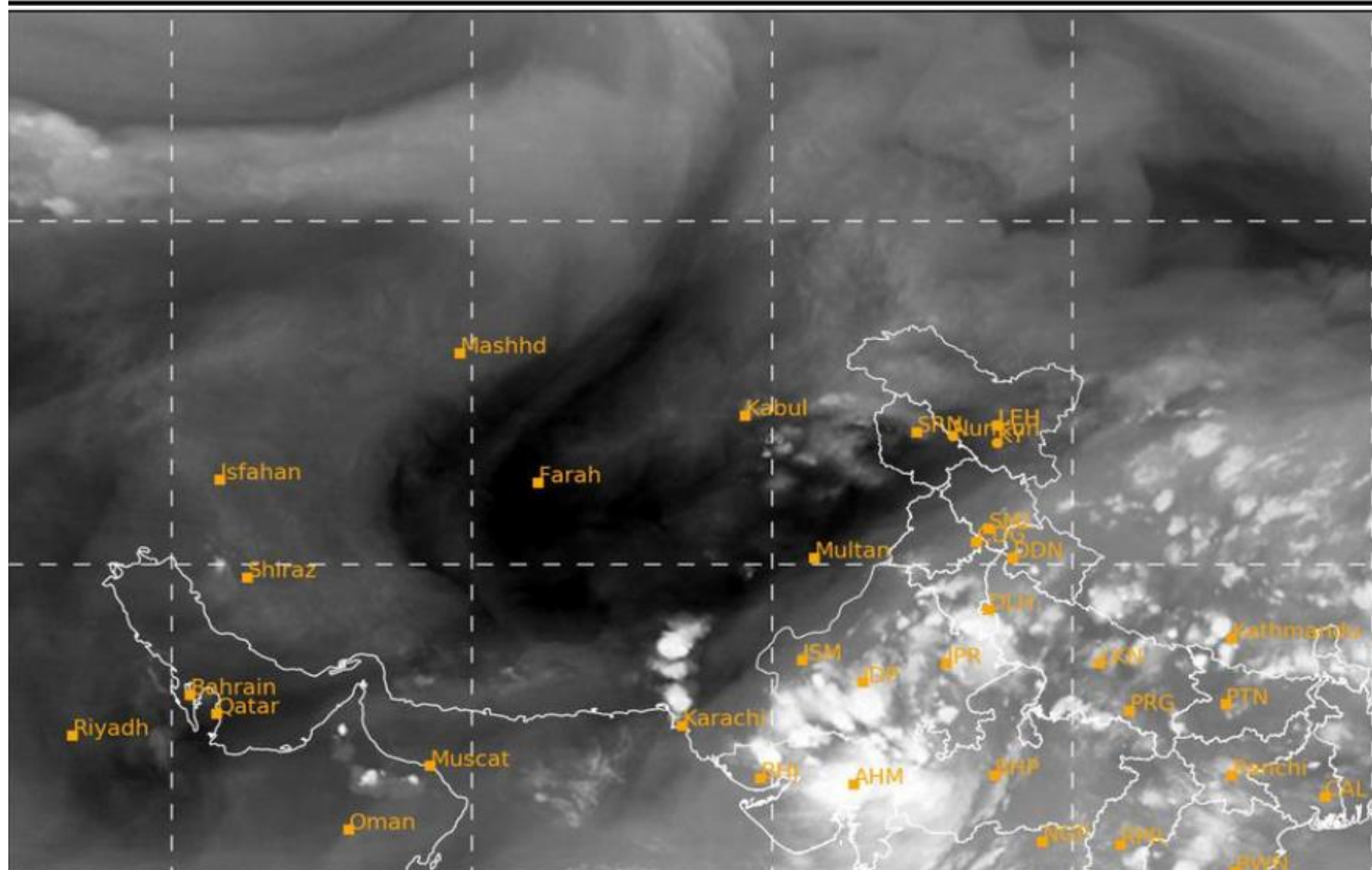
Satellite Water Vapor

Fri 09/05/2025, 07:00pm GMT+0430



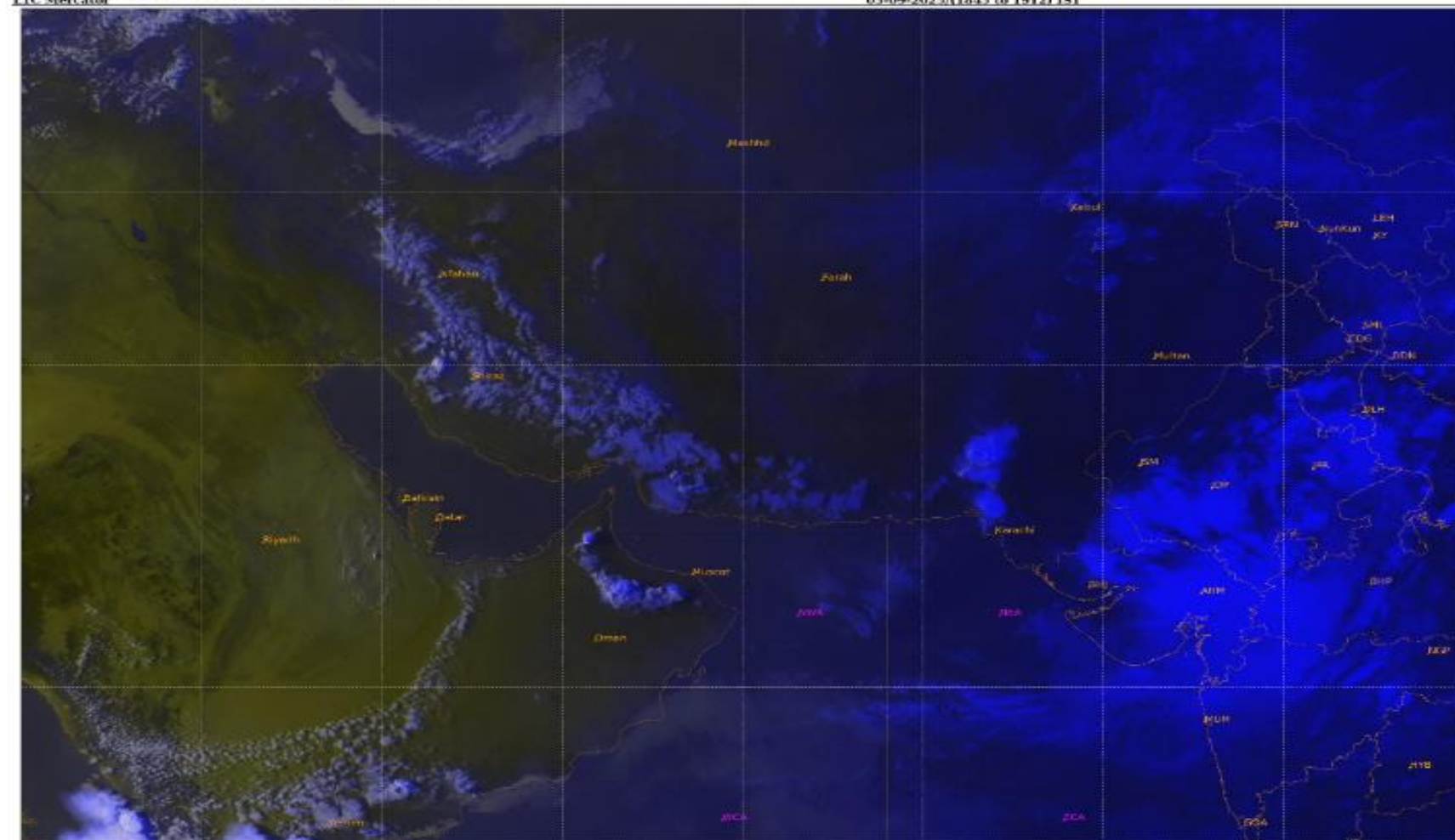
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

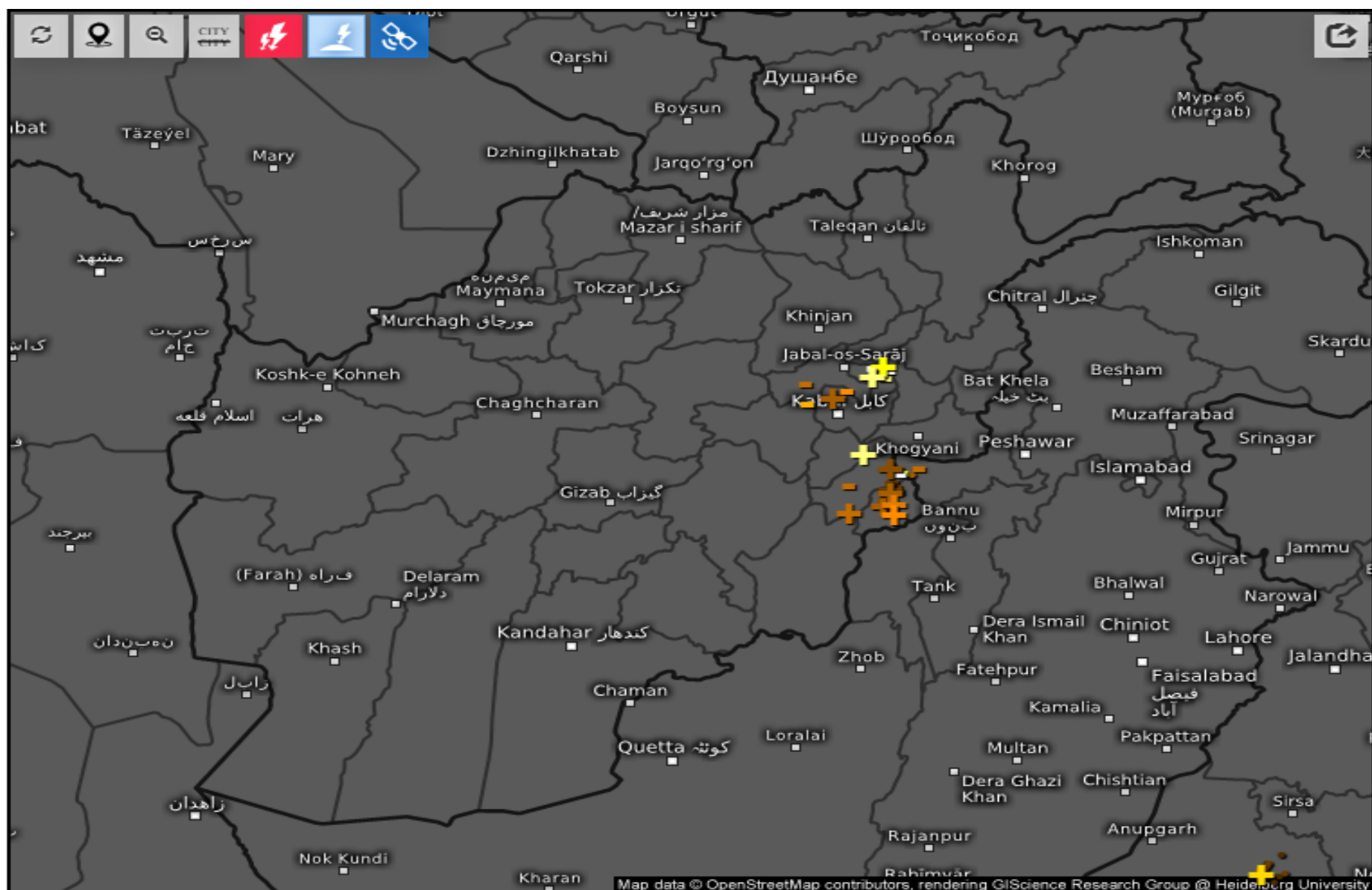
05-09-2025/(1315 to 1342) GMT
05-09-2025/(1845 to 1912) IST



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

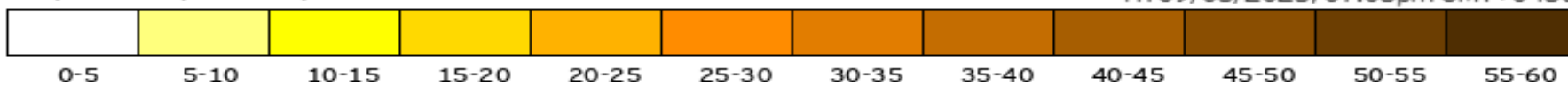
05-09-2025/(1315 to 1342) GMT
 05-09-2025/(1845 to 1912) IST





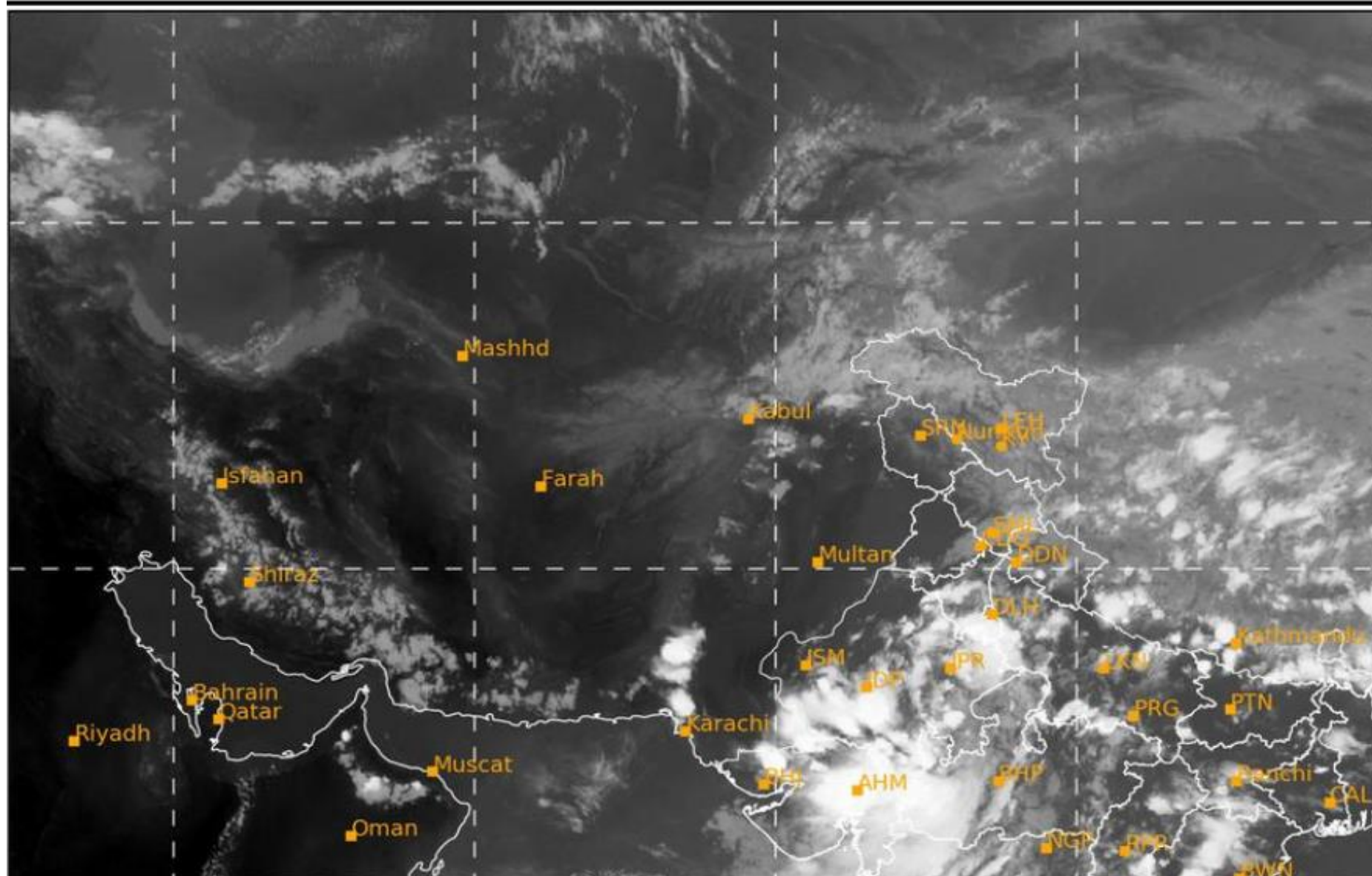
Age of lightning (minutes) 

Fri 09/05/2025, 07:05pm GMT+0430



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

05-09-2025/(1315 to 1342) GMT
05-09-2025/(1845 to 1912) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-09-05 14:15(UTC)

