



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



Daily reports of Satellite imagery analysis. Date & Time: 14/09/2025, 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	√ weak	X	X	
3	West	X	✓	X	X	X	√ weak	X	X	
4	East	✓	X	X	✓	X	√ weak	X	X	
5	central	✓	X	X	X	X	√ weak	X	X	
6	Northeast	✓	X	X	X	X	√ weak	X	X	
7	Southeast	X	X	X	X	X	√ dry	X	X	
8	Northwest	X	X	X	X	X	√ dry	X	X	
9	Southwest	X	✓	X	X	X	√ weak	X	X	

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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-09-14 05:15

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

Cold Airmass

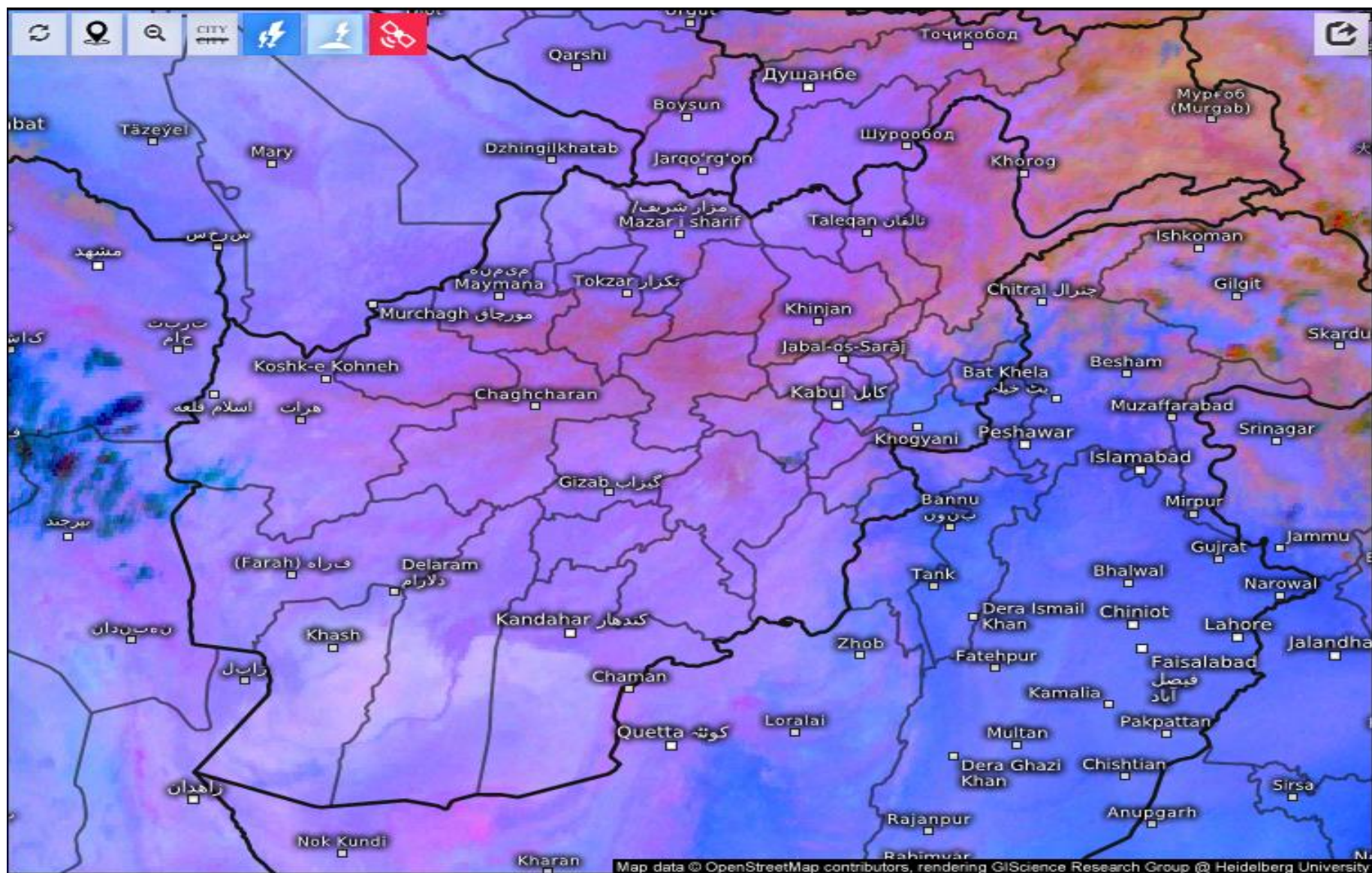
Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

R = WV (6.25)
G = IR (8.5)
B = WV (6.25)

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust 

Sun 09/14/2025, 07:00pm GMT+0430

UTC : 2025-09-14 05:15

Dust



Dust



High-level cloud



Thick,
mid-level cloud



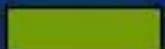
Thin,
mid-level cloud



Ocean



Land



Low-level cloud

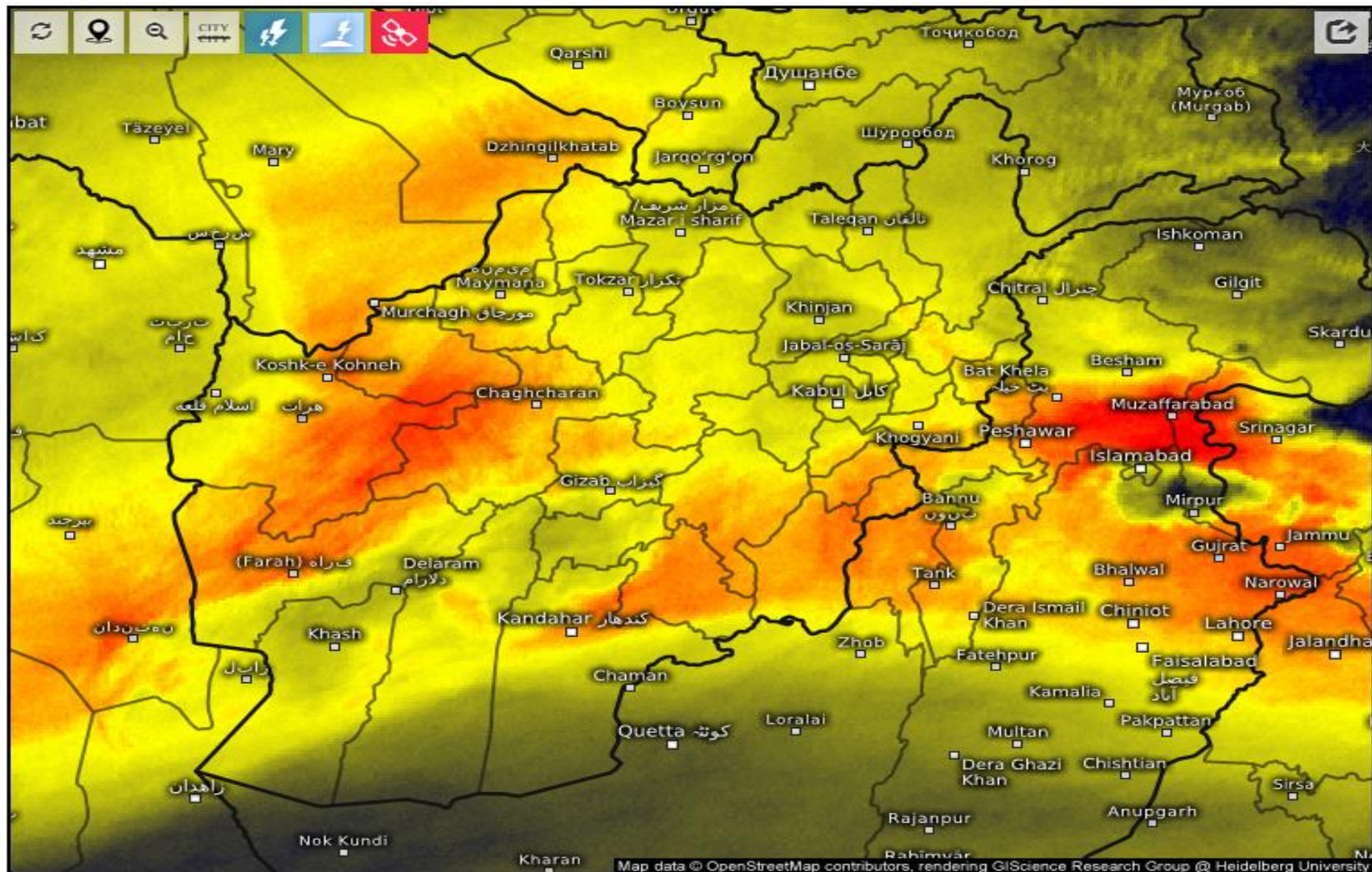


Cirrus

R = IR (12.0) - IR
G = IR (10.8) - IR
B = IR (10.8)

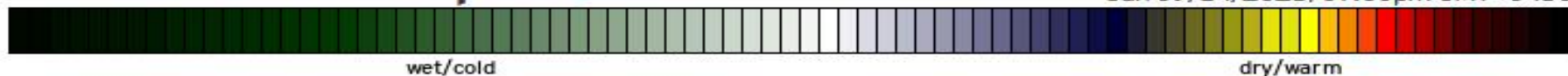
FY-4B Dust RGB Composite (From WMO)





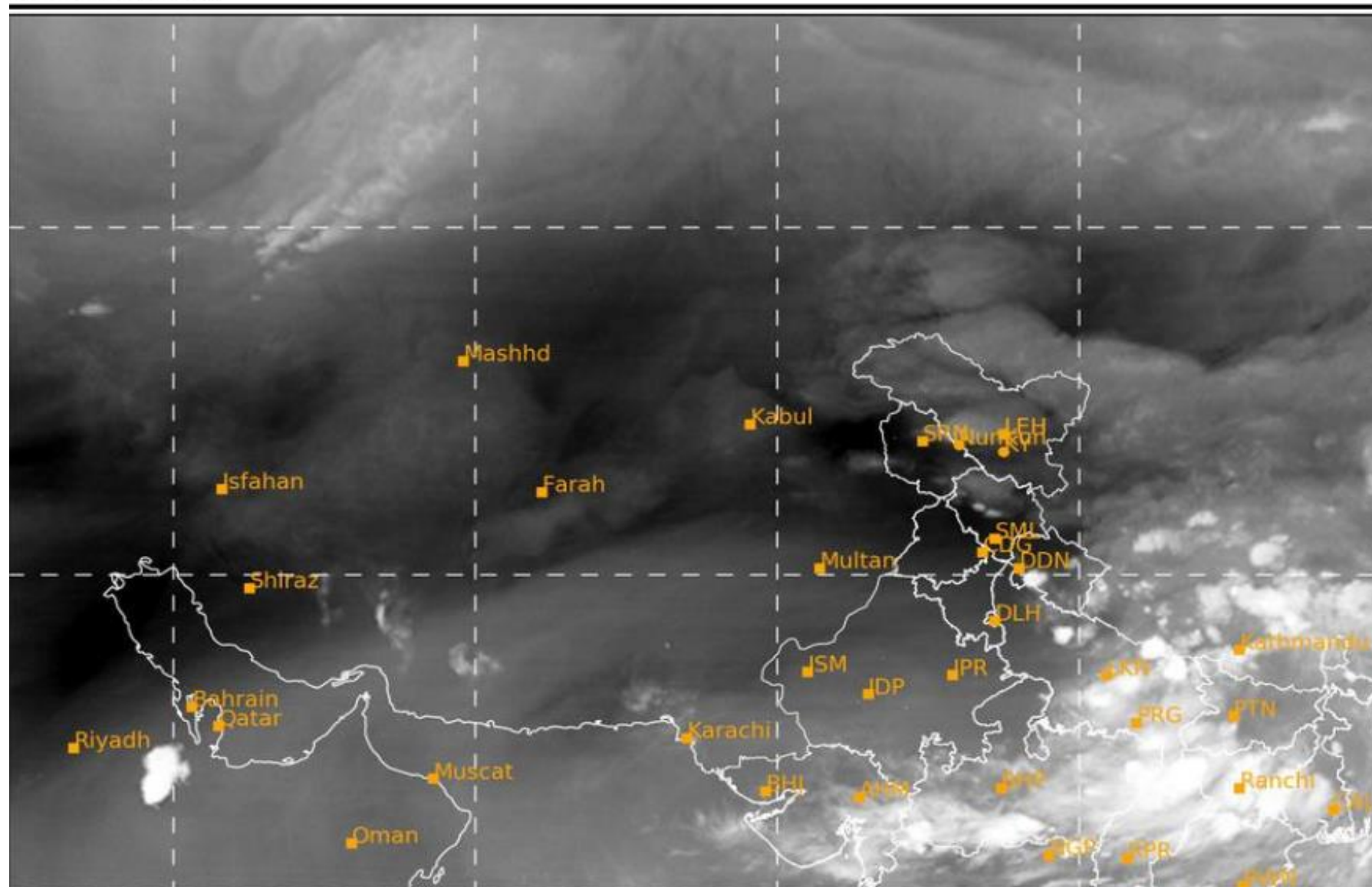
Satellite Water Vapor

Sun 09/14/2025, 07:00pm GMT+0430



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

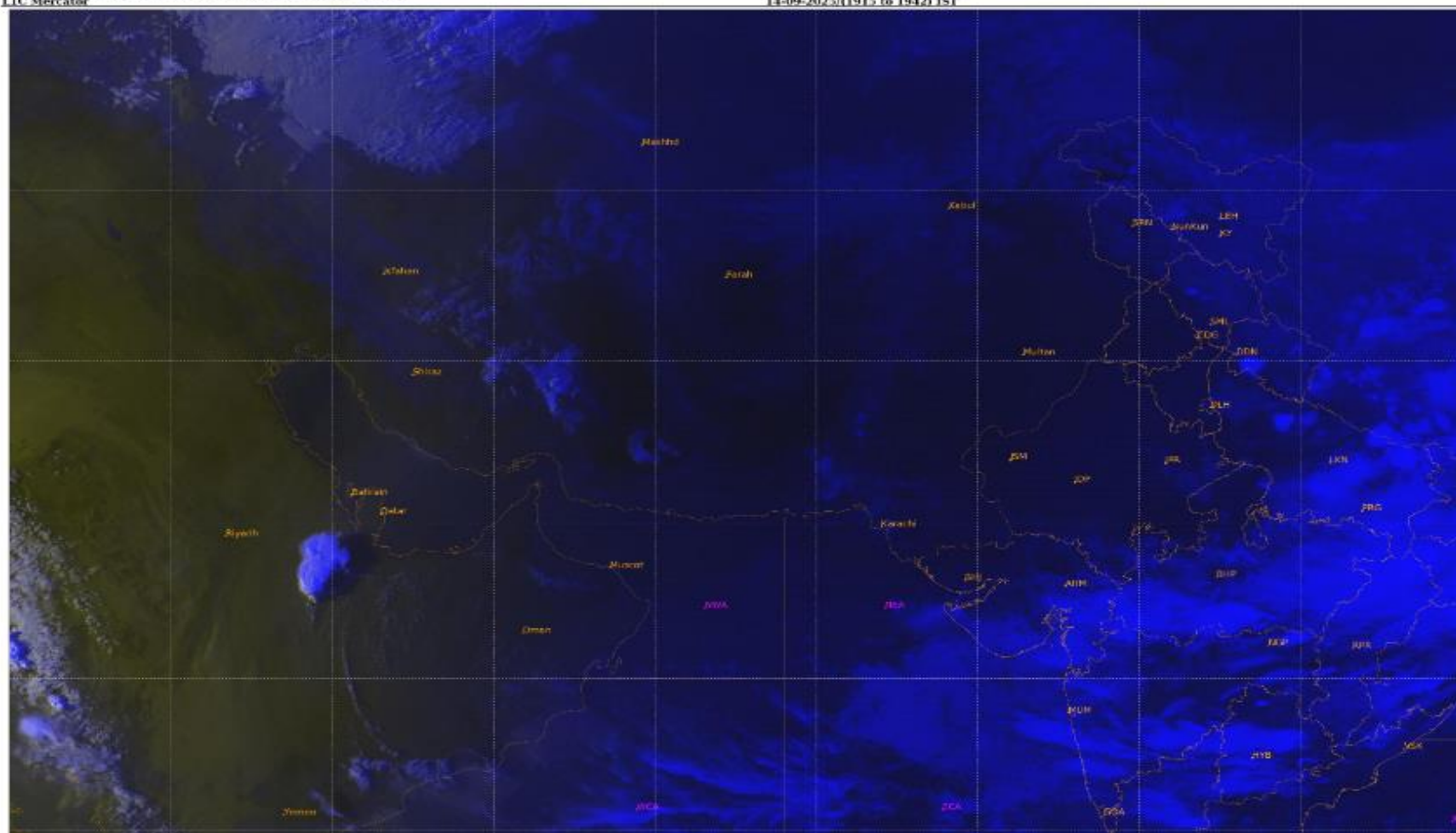
14-09-2025/(1345 to 1412) GMT
14-09-2025/(1915 to 1942) IST



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

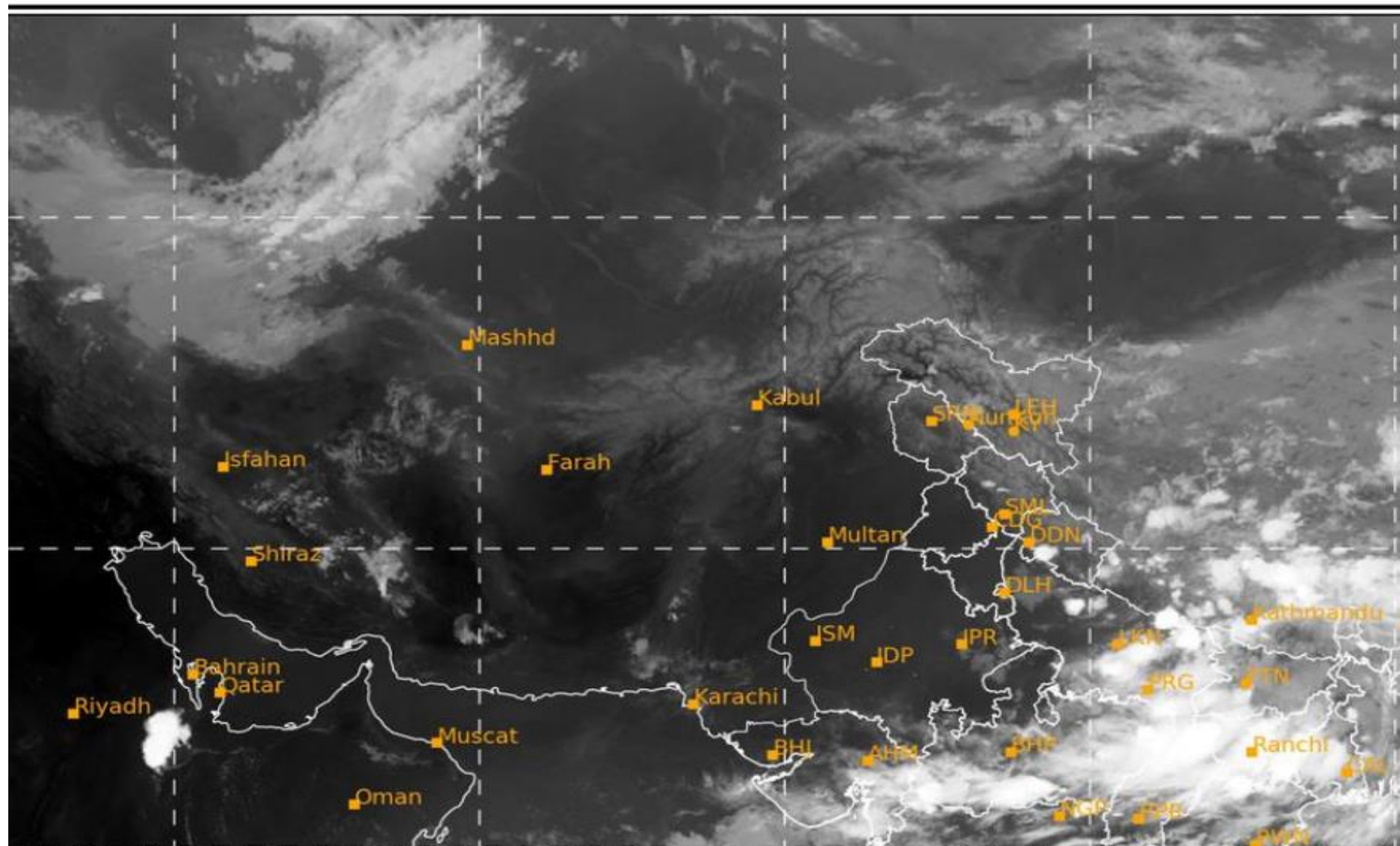
14-09-2025/(1345 to 1412) GMT

14-09-2025/(1915 to 1942) IST



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

14-09-2025/(1345 to 1412) GMT
14-09-2025/(1915 to 1942) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-09-14 14:15(UTC)

