



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



Daily reports of Satellite imagery analysis. Date & Time: 13/06/2025, 15:00 UTC, Number of reports: 1039

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	✓	X	√ moderate	X	X	
5	central	✓	X	X	✓	X	√ weak	X	X	
6	Northeast	✓	X	X	✓	X	√ moderate	X	X	
7	Southeast	✓	✓	X	X	X	√ weak	X	X	
8	Northwest	✓	✓	X	✓	X	√ weak	X	X	
9	Southwest	✓	✓	X	X	X	√ dry	X	X	

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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-06-12 14:30

AirMass



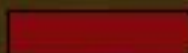
Thick,
high-level cloud



Thick,
mid-level cloud



Thick,
low-level cloud



Jet



Cold Airmass



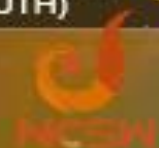
Warm Airmass
(high UTH)

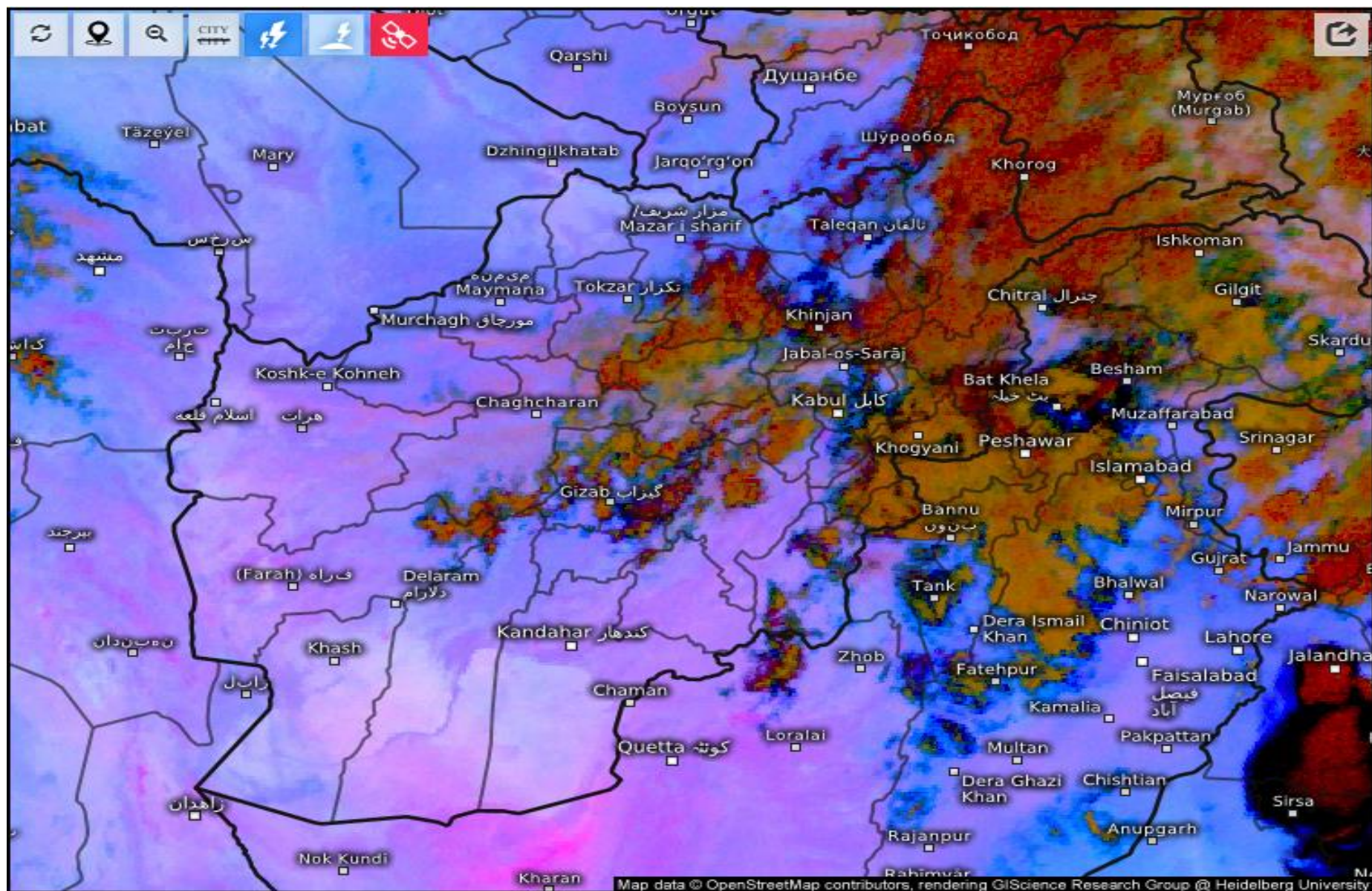


Warm Airmass
(low UTH)

R =
G =
B =

FY-4B AirMass RGB Composite (From WMO)



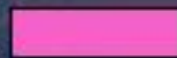


Satellite Dust 

Fri 06/13/2025, 07:15pm GMT+0430

UTC : 2025-06-12 14:30

Dust



Dust



High-level cloud



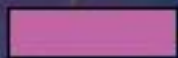
Thick,
mid-level cloud



Thin,
mid-level cloud



Ocean



Land



Low-level cloud

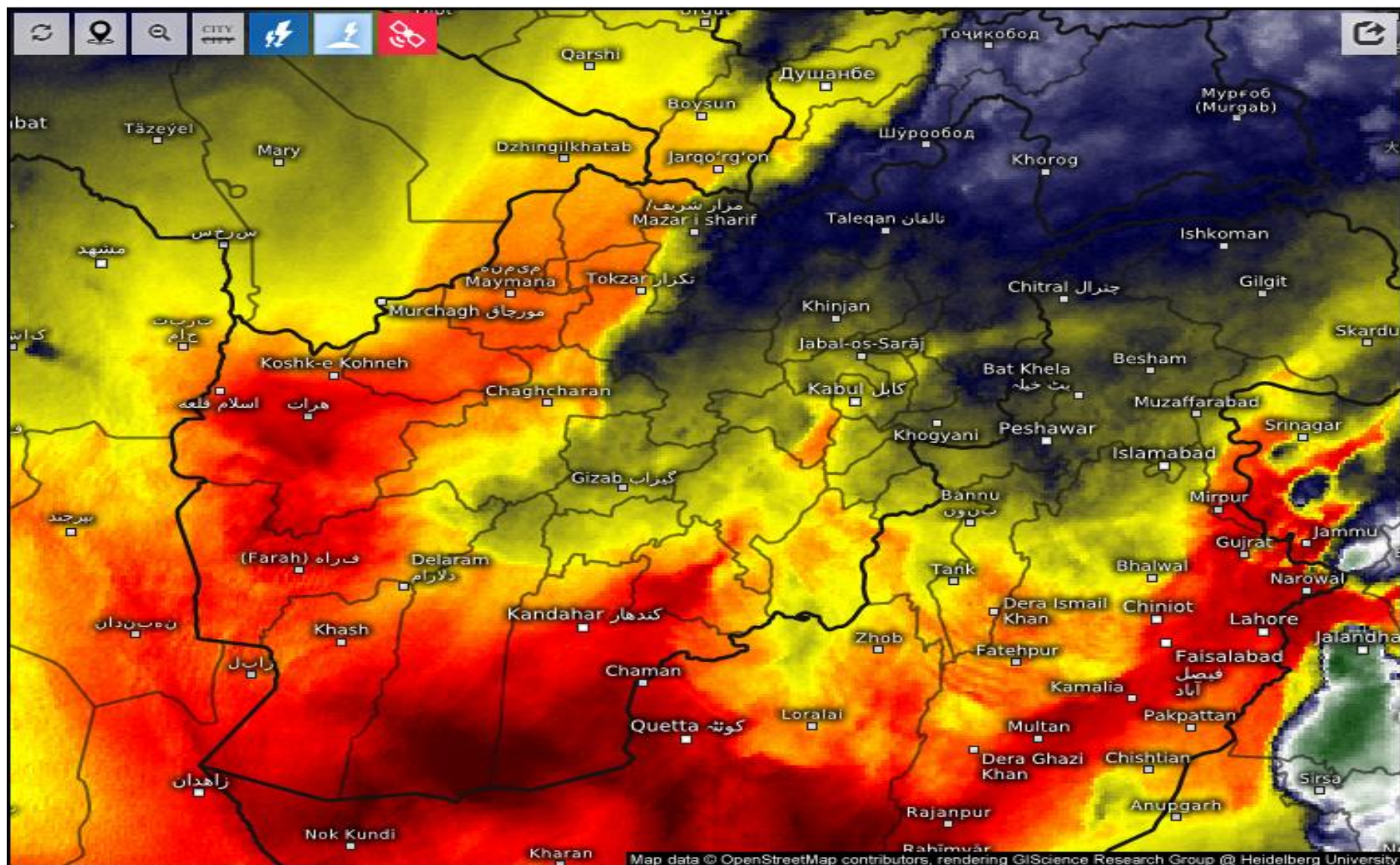


Cirrus

R = IR
G = IR
B = IR

FY-4B Dust RGB Composite (From WMO)





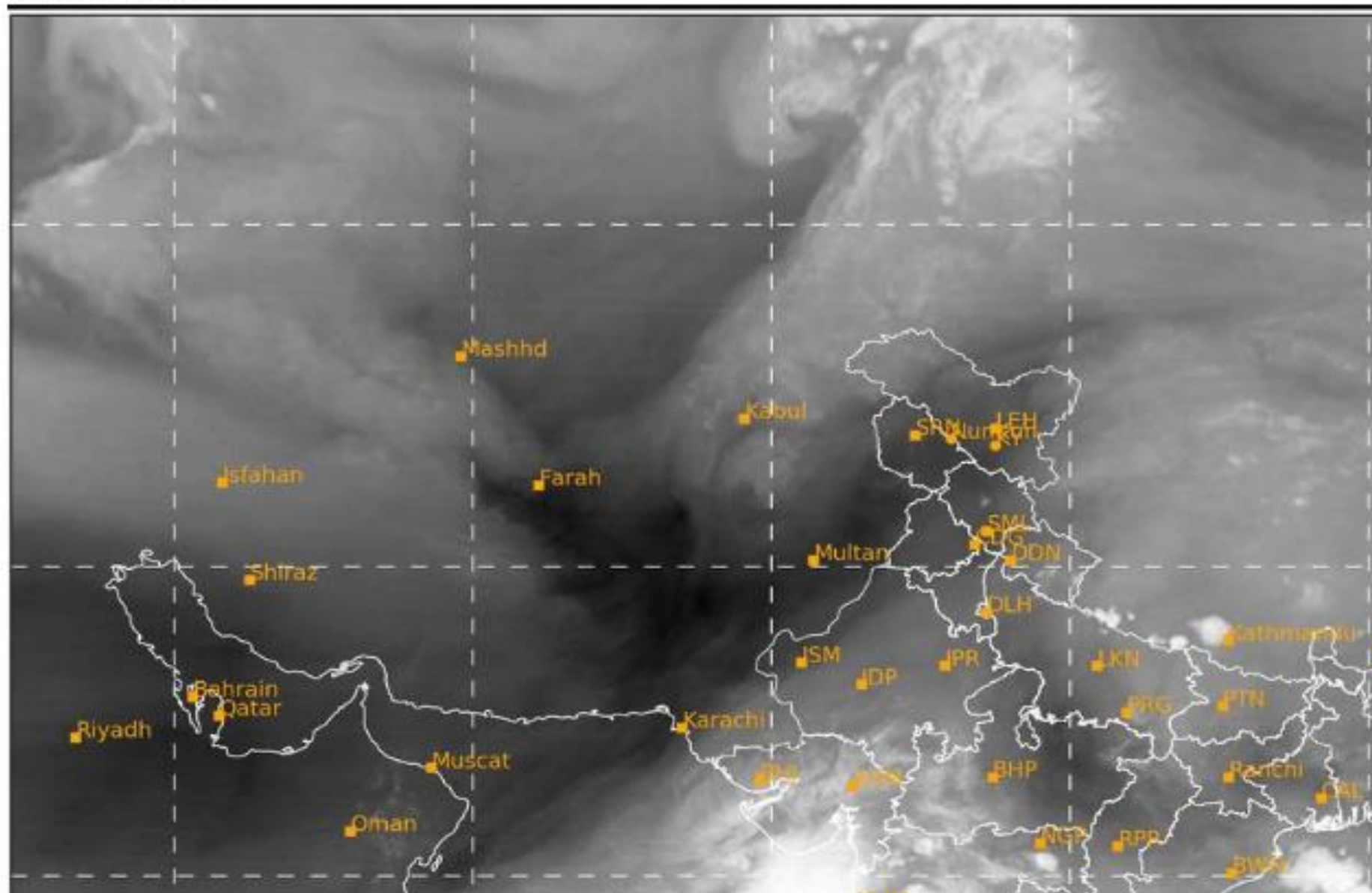
Satellite Water Vapor

Fri 06/13/2025, 07:15pm GMT+0430



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

12-06-2025/(2245 to 2312) GMT
13-06-2025/(0415 to 0442) IST



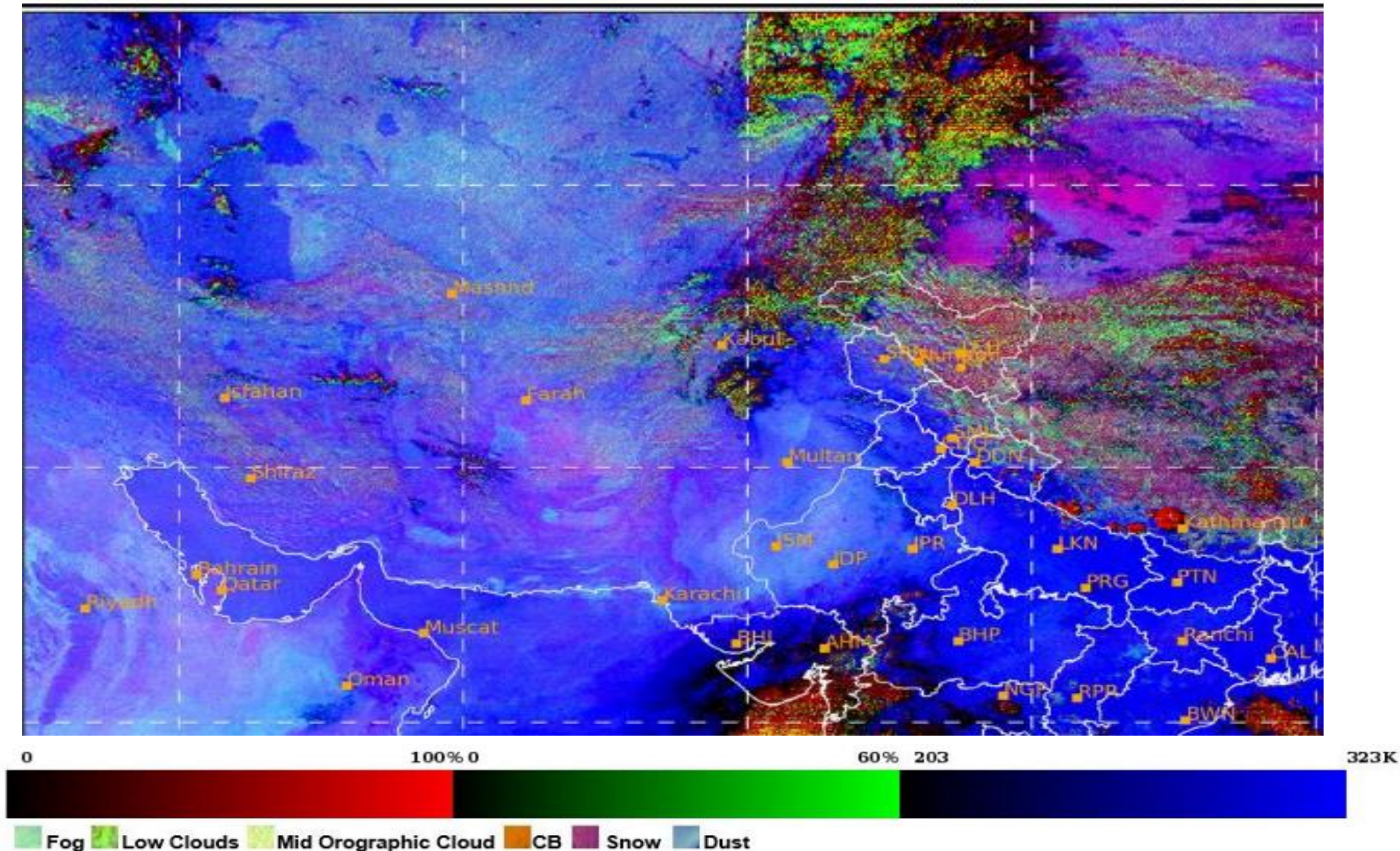
SAT : INSAT-3DR IMG

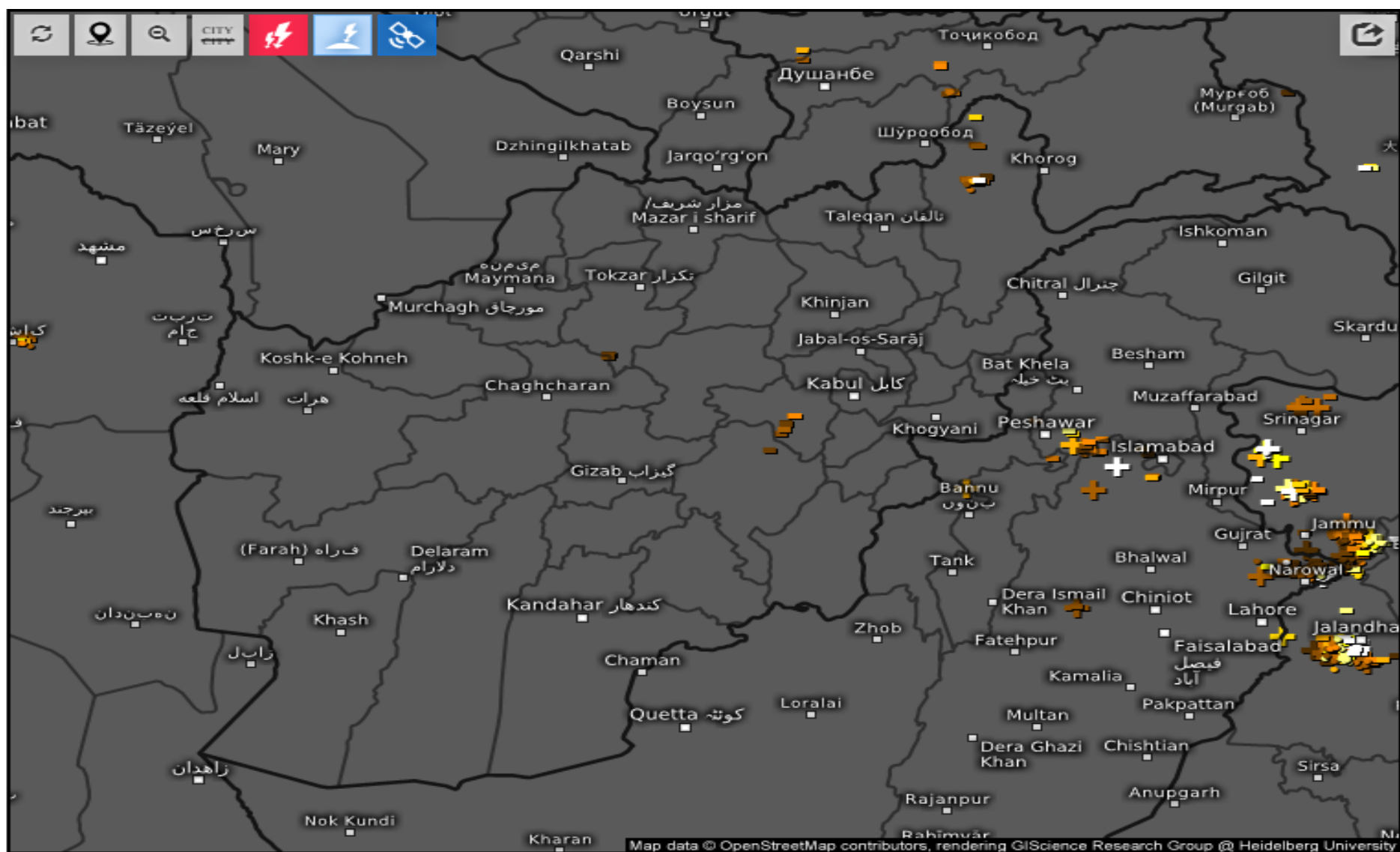
12-06-2025/(2245 to 2312) GMT

Night Microphysics: TIR2_BT-TIR1_BT (R), TIR1_BT-MIR_BT (G), TIR1_BT (B)

L1C Mercator

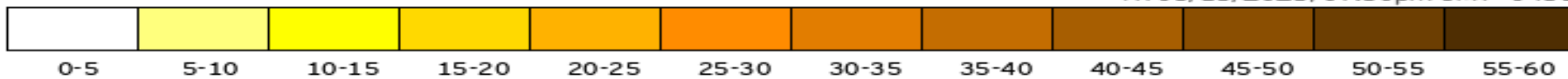
13-06-2025/(0415 to 0442) IST





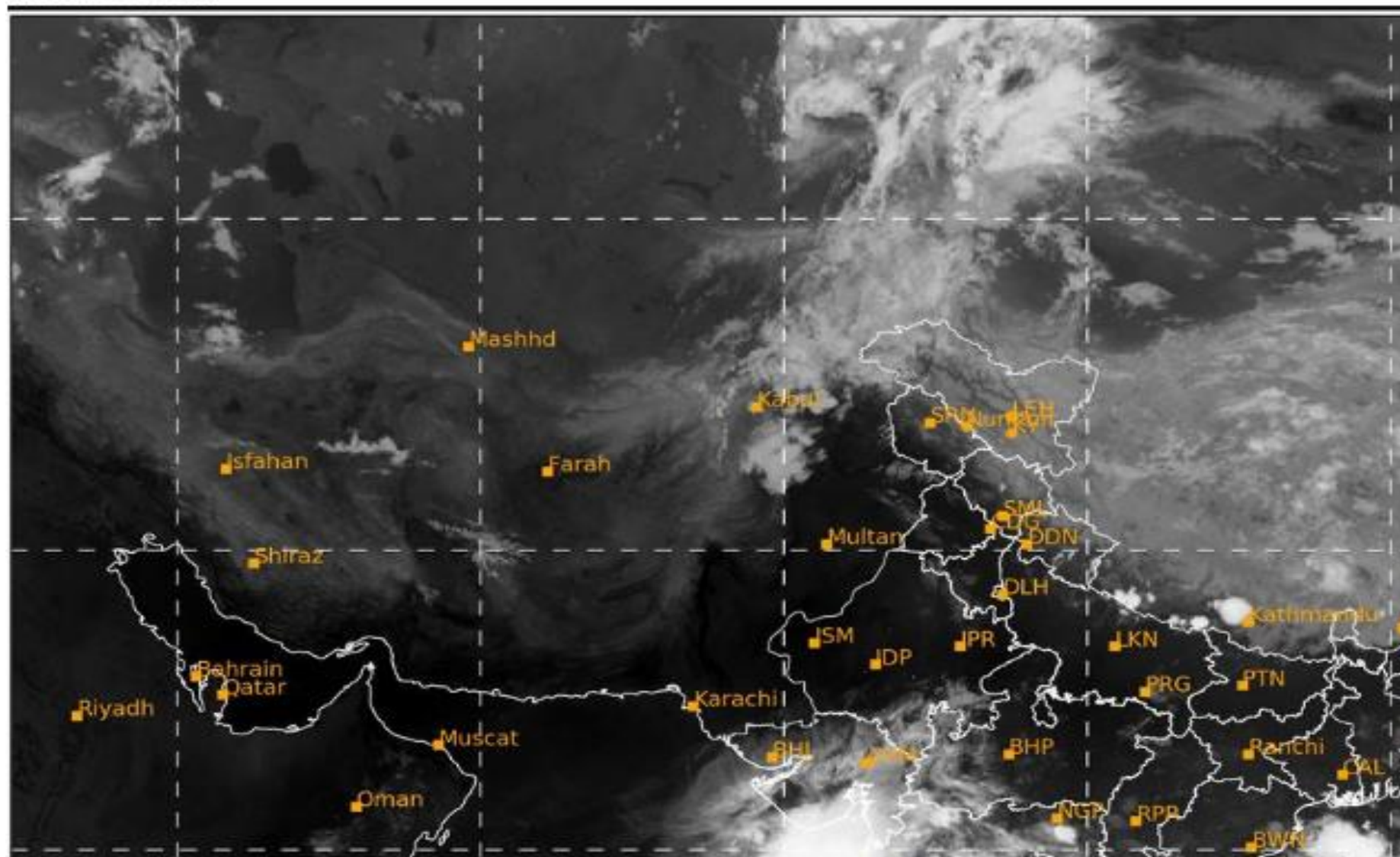
Age of lightning (minutes) 

Fri 06/13/2025, 07:30pm GMT+0430

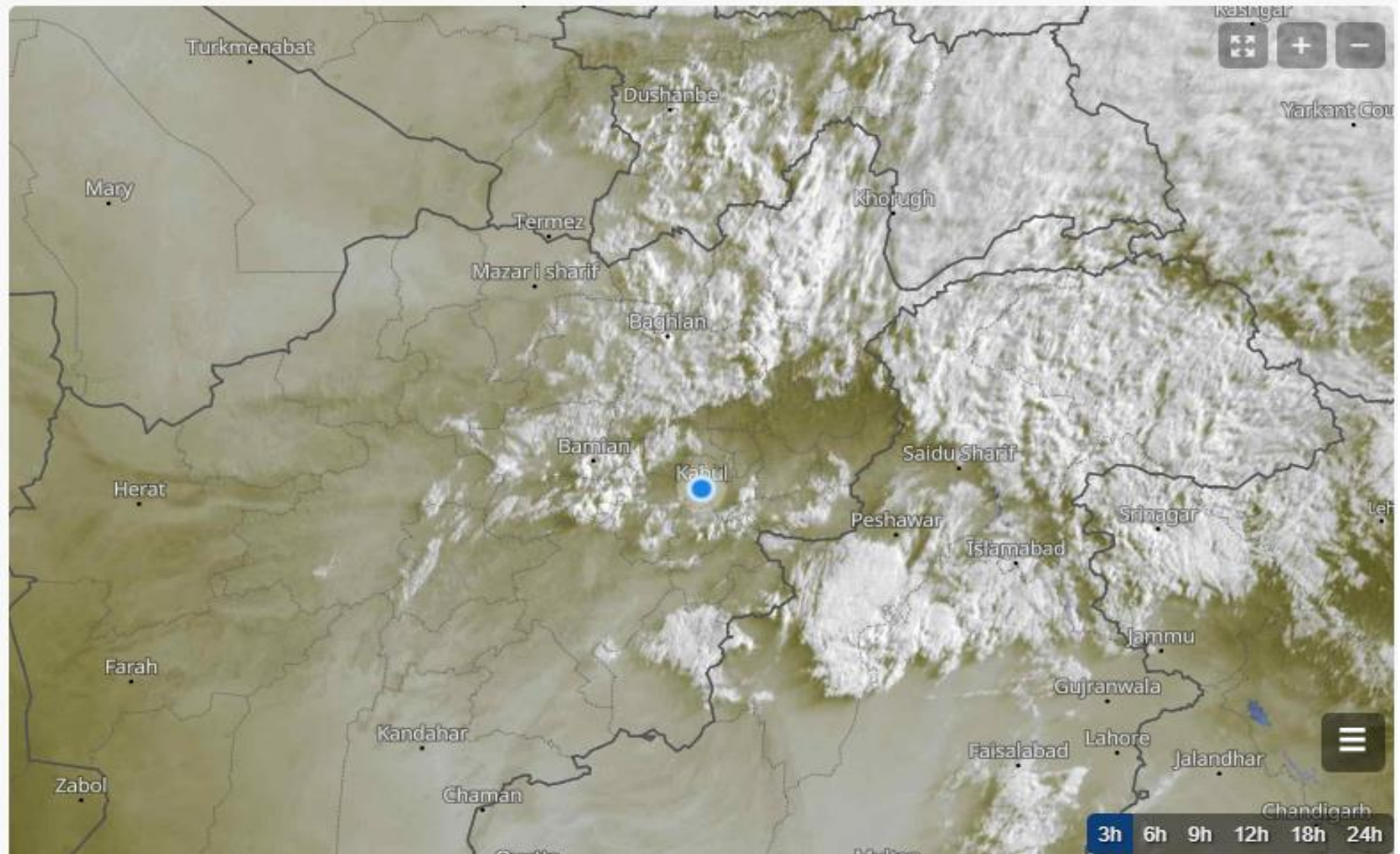


SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

12-06-2025/(2245 to 2312) GMT
13-06-2025/(0415 to 0442) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-06-13 14:45(UTC)

