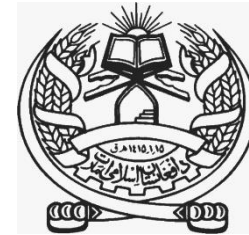




Islamic Emirate of Afghanistan
Ministry of Transport & Aviation
Afghanistan meteorological Department
Forecast Division
Satellite General Management



Daily reports of Satellite imagery analysis. Date & Time: 05/08/2025, 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	X	√ dry/warm	X	X	
3	West	✓	✓	X	X	X	√ dry/warm	X	X	
4	East	✓	X	✓	✓	X	√ wet/cold	X	X	thunderstorm
5	central	✓	X	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/warm	X	X	

- Details:** According to satellite imagery analysis, the northern, western, eastern, central, northeastern, northwestern and southwestern areas have warm air mass (high UTH). The southern, western, southwestern areas have dust. The eastern 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, northeastern areas are weak and the eastern areas have wet/cold water vapor.

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-08-05 05:30

AirMass

Thick,
high-level cloud

Thick,

mid-level cloud

Thick,

low-level cloud

Jet

Cold Airmass

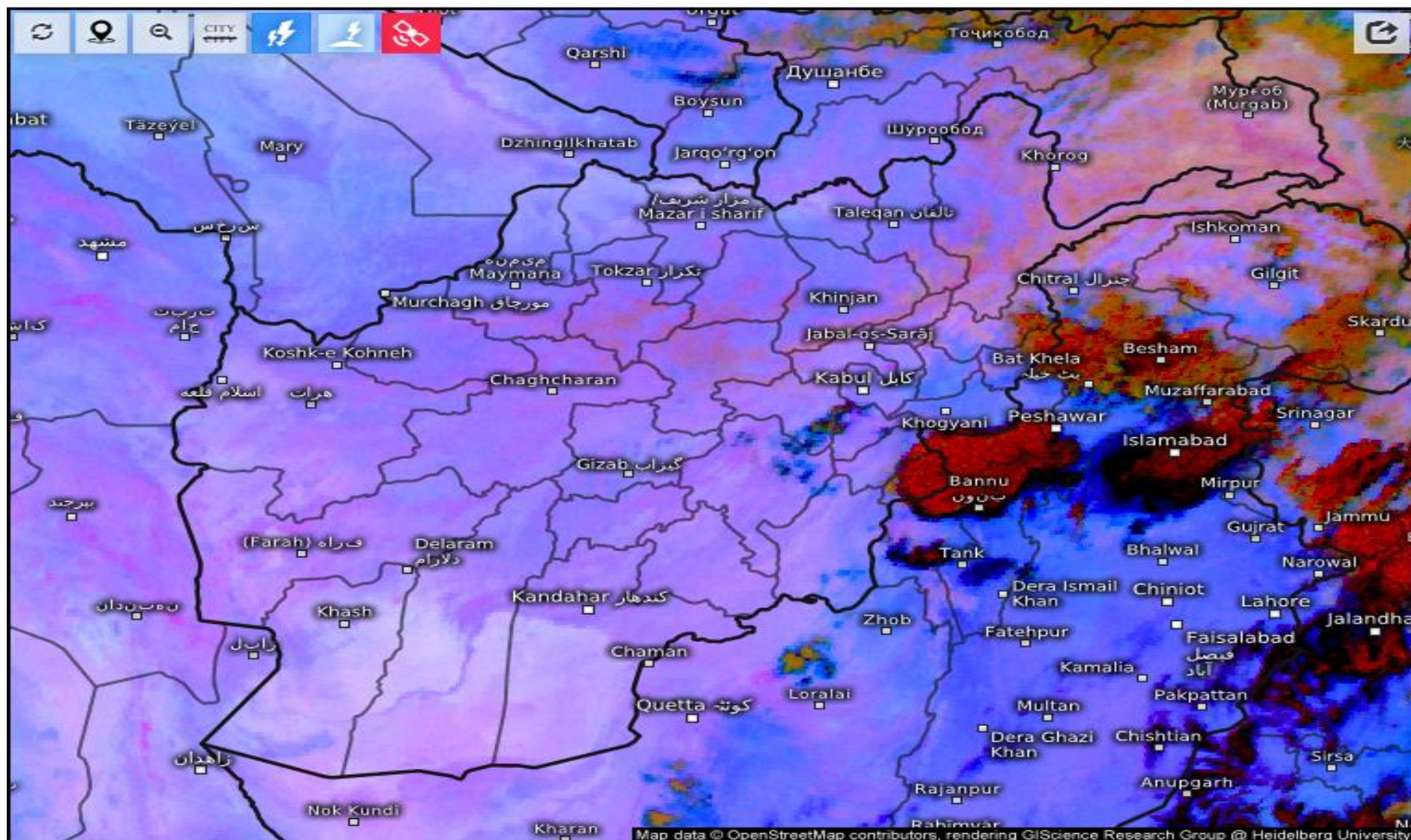
Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

R=
G=
B=

FY-4B AirMass RGB Composite (From WMO)



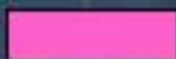


Satellite Dust 

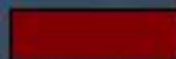
Tue 08/05/2025, 07:00pm GMT+0430

UTC : 2025-08-05 05:30

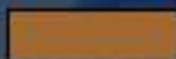
Dust



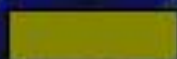
Dust



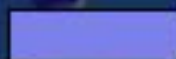
High-level cloud



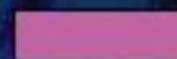
Thick,
mid-level cloud



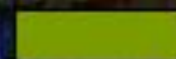
Thin,
mid-level cloud



Ocean



Land



Low-level cloud

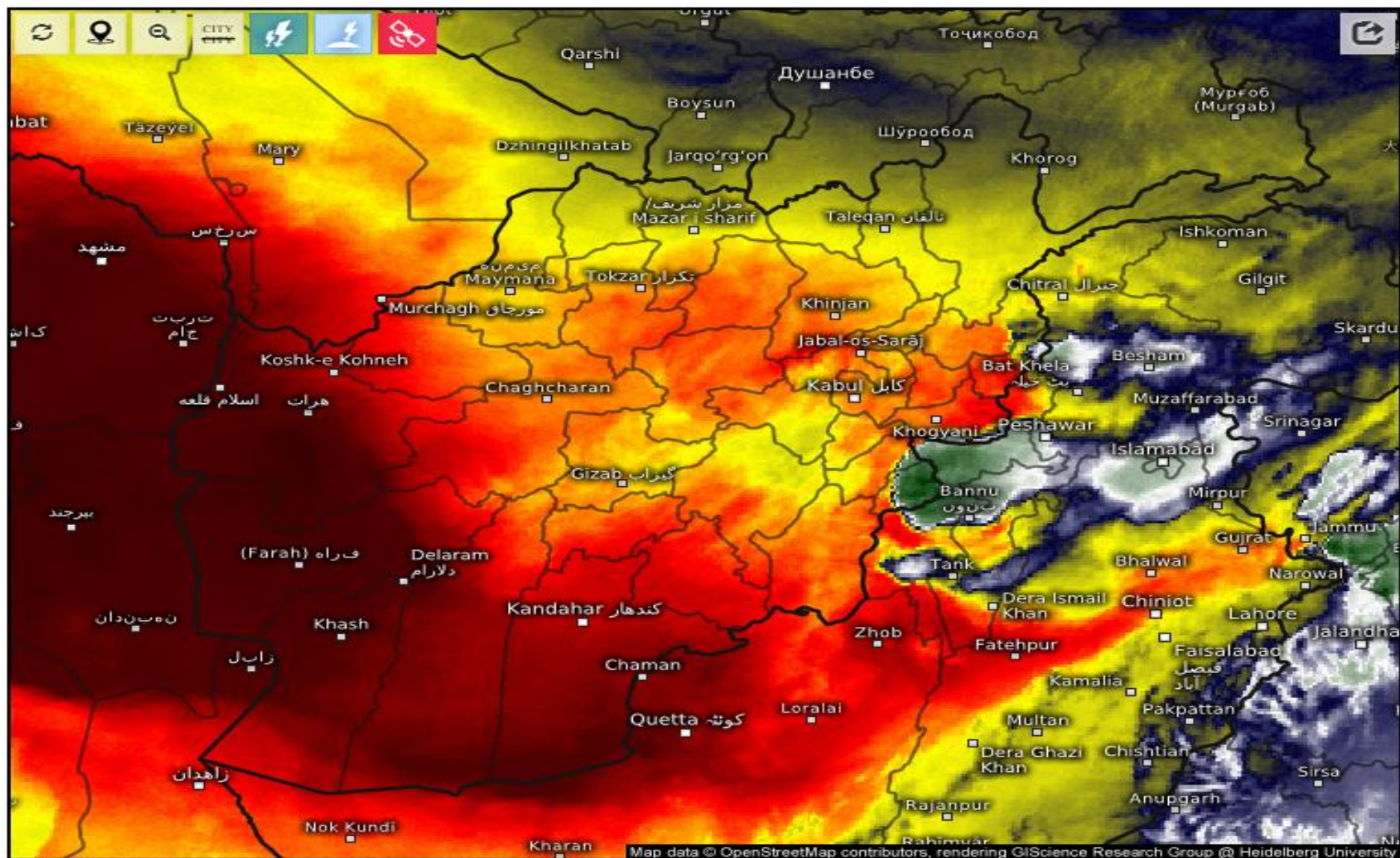


Cirrus

R = IR
G = IR
B = IR

FY-4B Dust RGB Composite (From WMO)





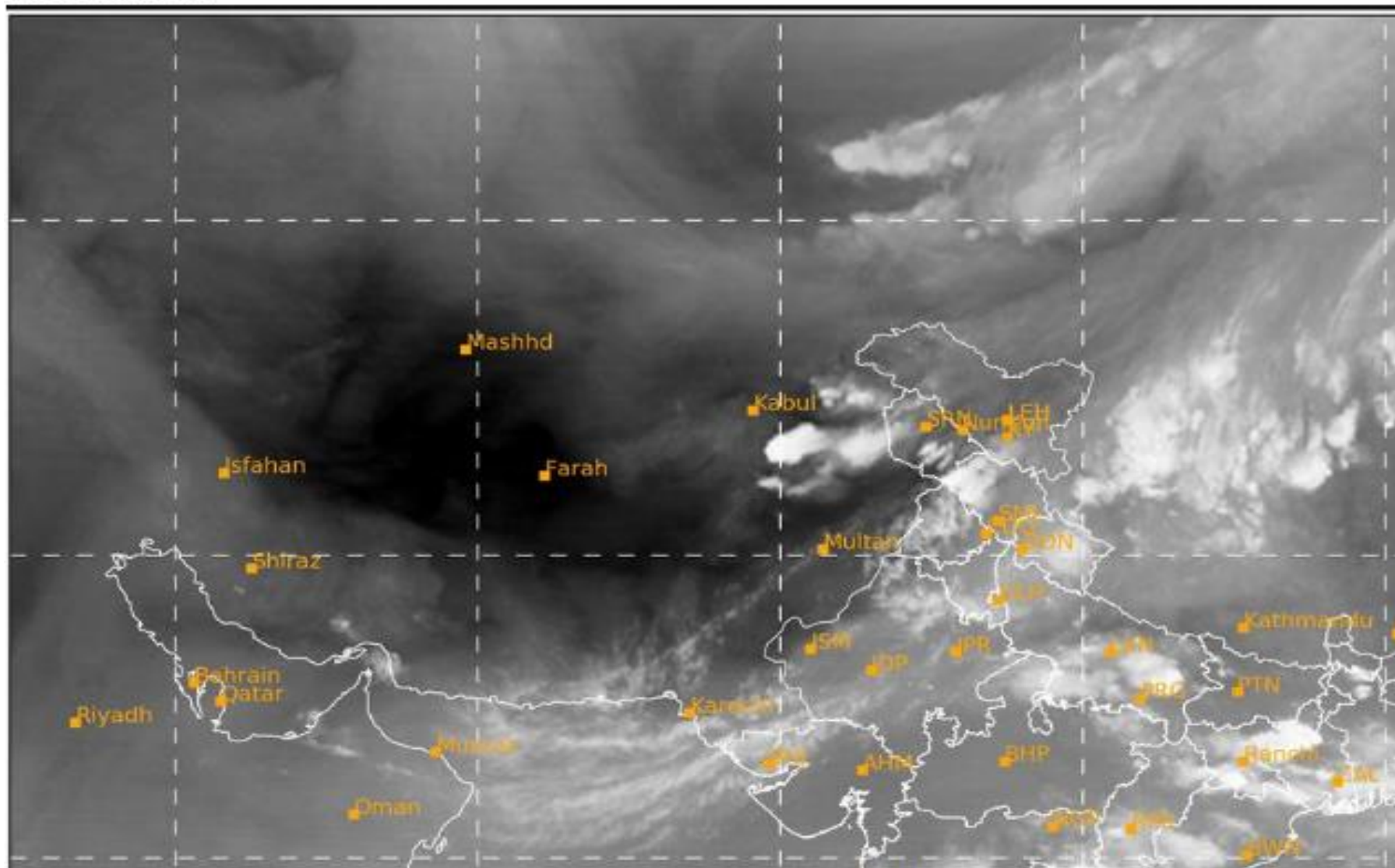
Satellite Water Vapor

Tue 08/05/2025, 07:00pm GMT+0430



L1C Mercator

05-08-2025/(1915 to 1942) IST



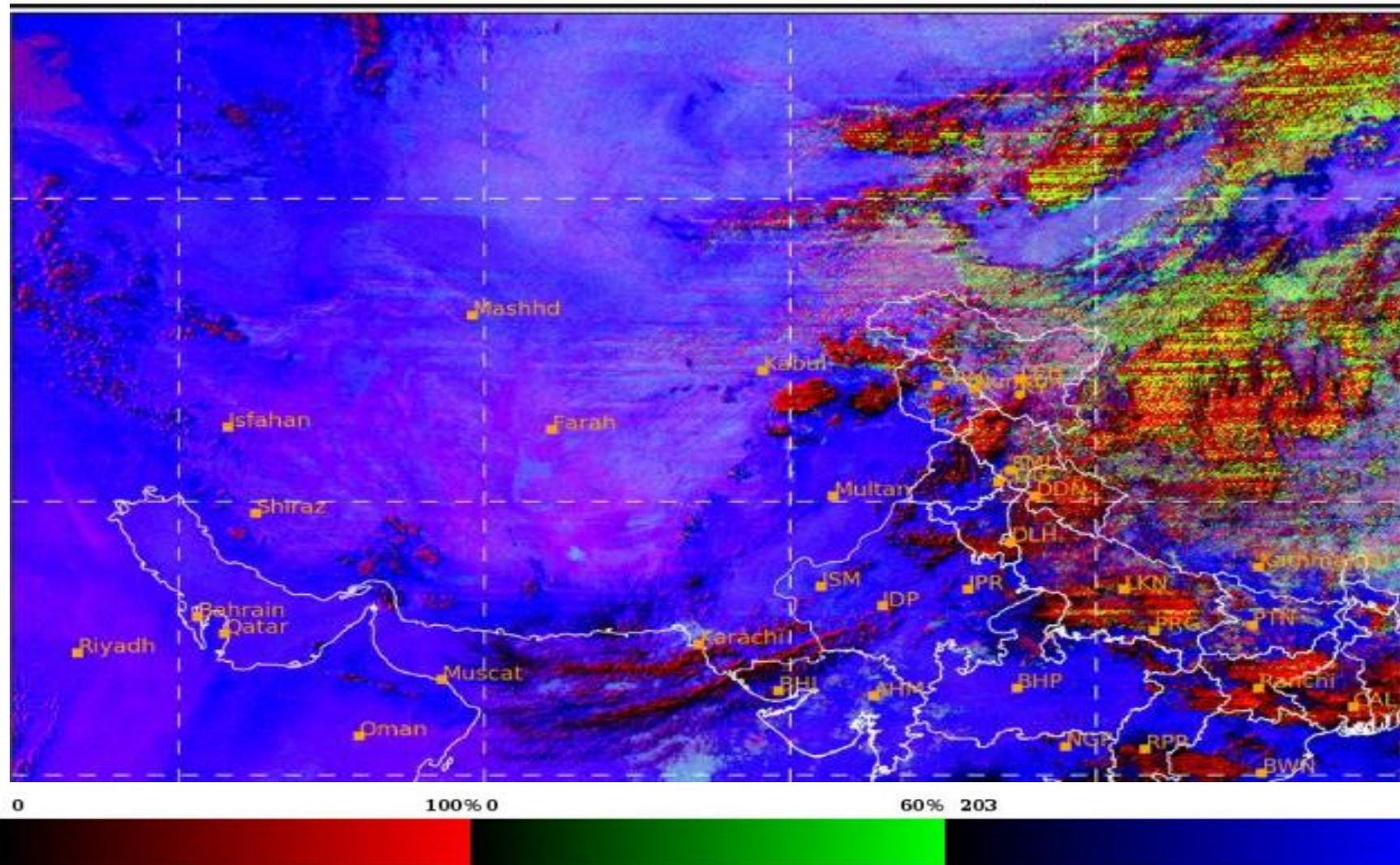
SAT : INSAT-3DR IMG

05-08-2025/(1345 to 1412) GMT

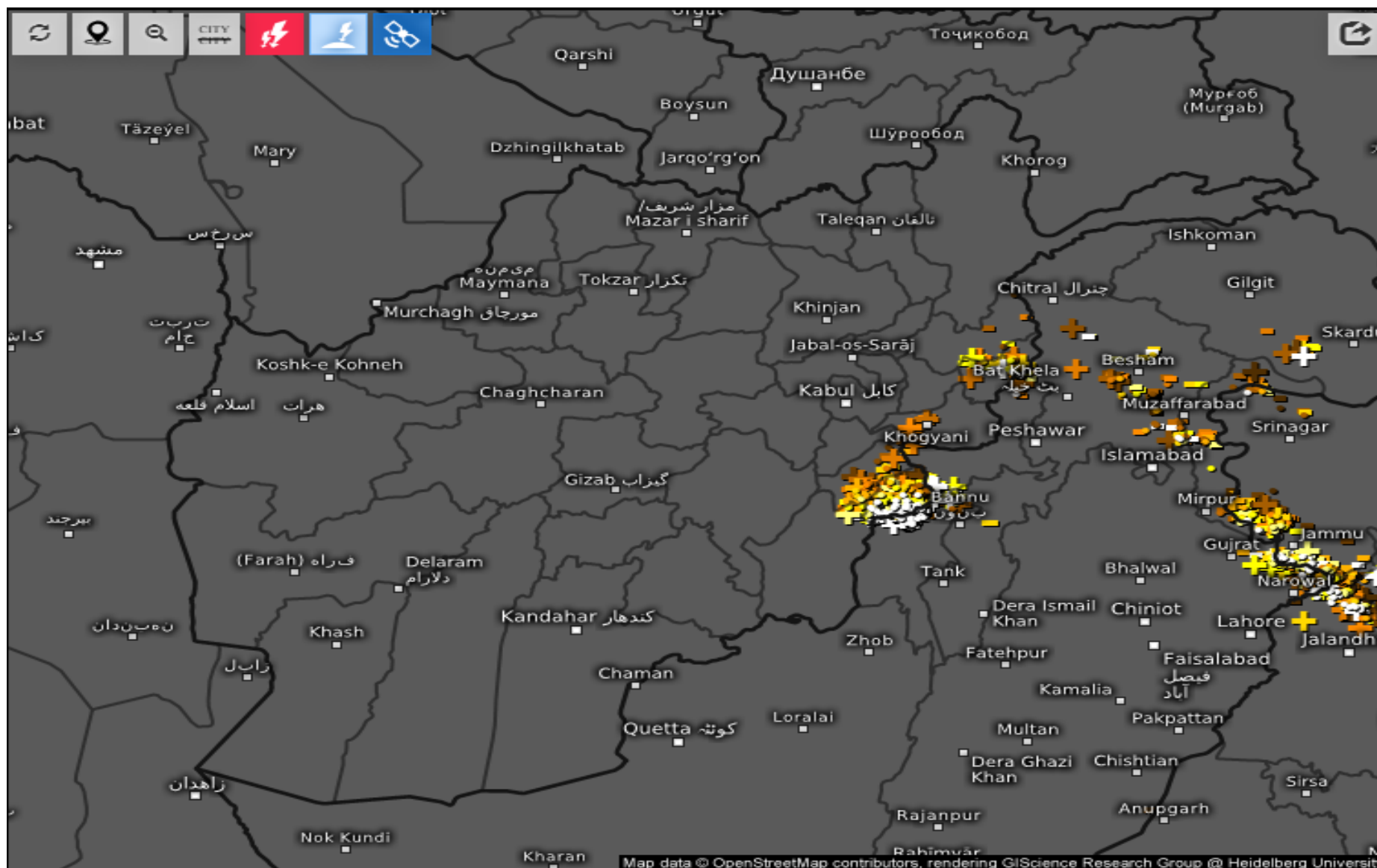
Night Microphysics: TIR2_BT-TIR1_BT (R), TIR1_BT-MIR_BT (G), TIR1_BT (B)

L1C Mercator

05-08-2025/(1915 to 1942) IST

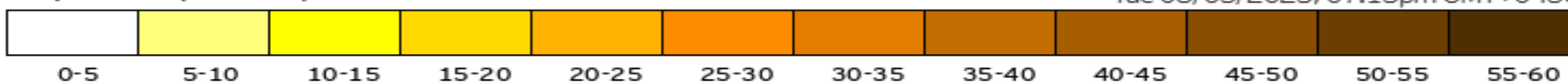


Fog Low Clouds Mid Orographic Cloud CB Snow Dust



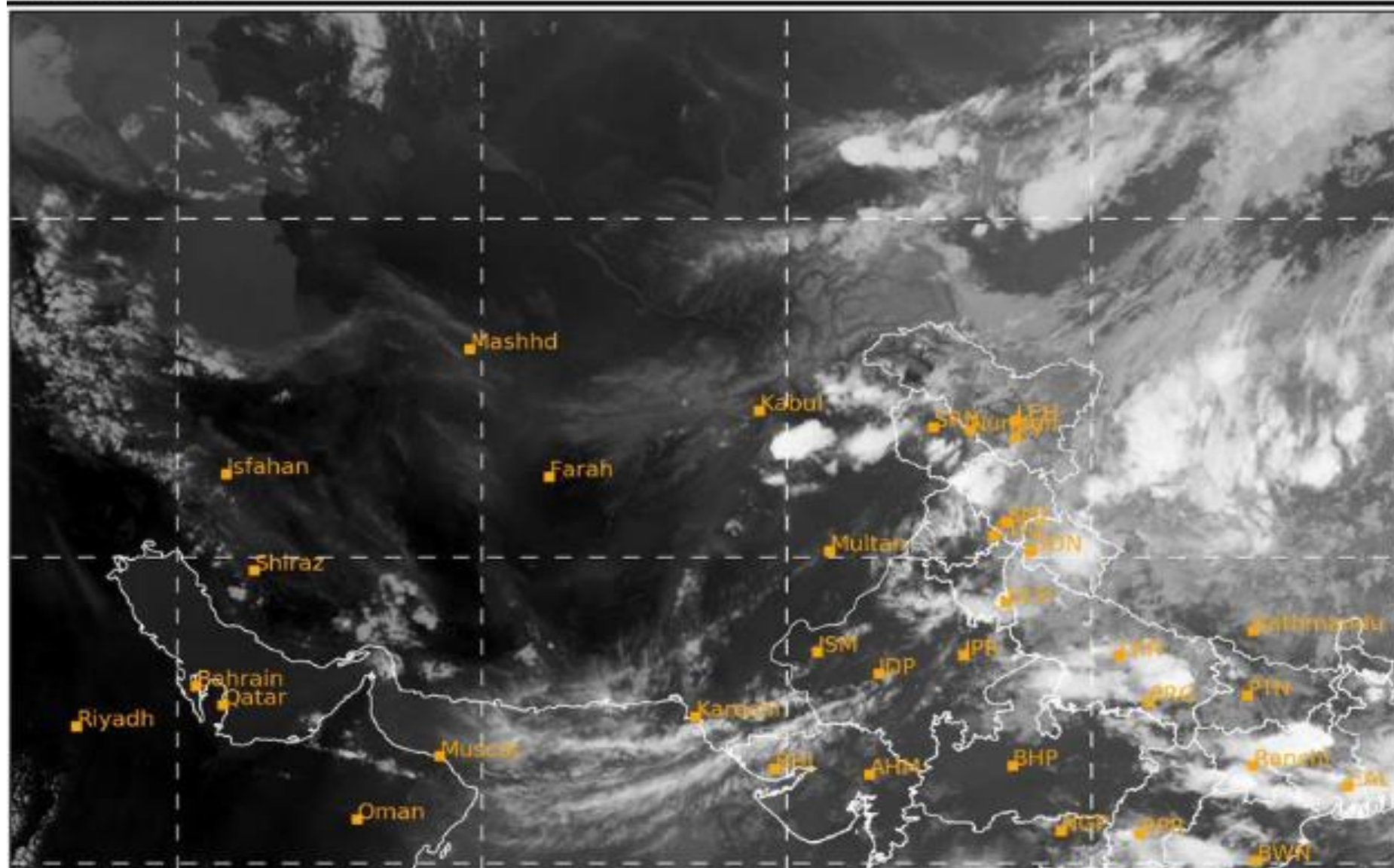
Age of lightning (minutes) 

Tue 08/05/2025, 07:15pm GMT+0430

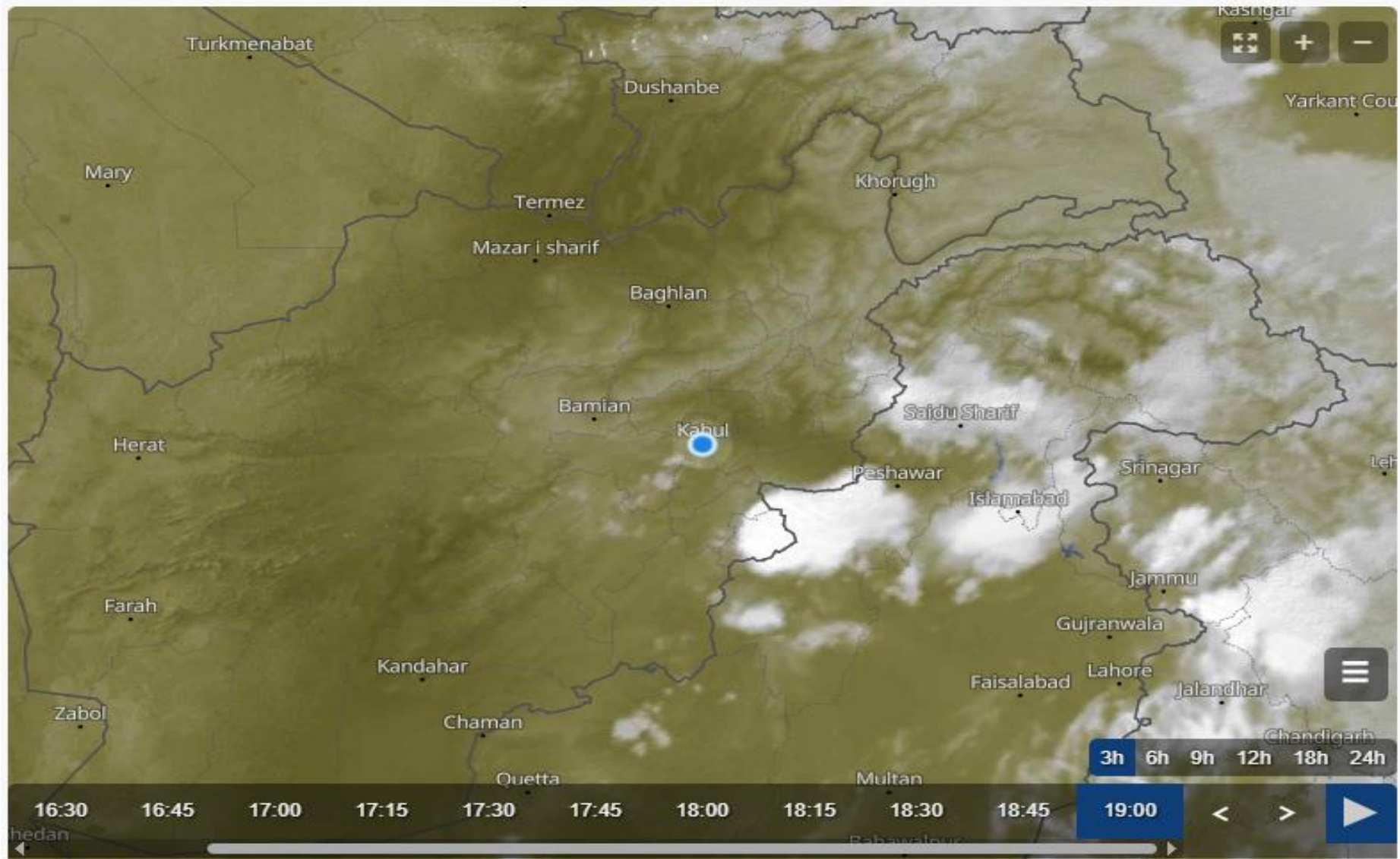


SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

05-08-2025/(1345 to 1412) GMT
05-08-2025/(1915 to 1942) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-08-05 14:15(UTC)

