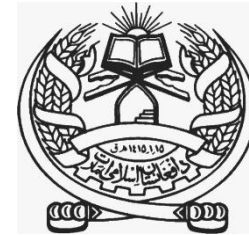




Islamic Emirate of Afghanistan
Ministry of Transport & Aviation
Afghanistan meteorological Department
Forecast Division
Satellite General Management



Daily reports of Satellite imagery analysis. Date & Time: 16/05/2025, 1:00 UTC, Number of reports: 977

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	X	√ weak	X	X	
3	West	✓	✓	X	X	X	√ weak	X	X	
4	East	X	X	X	X	X	√ weak	X	X	
5	central	✓	✓	X	X	X	√ weak	X	X	
6	Northeast	✓	X	X	X	X	√ weak	X	X	
7	Southeast	✓	✓	X	X	X	√ weak	X	X	
8	Northwest	✓	✓	X	X	X	√ weak	X	X	
9	Southwest	X	X	X	X	X	√ weak	X	X	

Details: According to satellite imagery analysis, the northern, western, central, northeastern, southeastern and northwestern areas have warm air mass (High UTH). The western, central, southeastern and northwestern areas have dust. The all region have weak water vapor.

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-05-15 16:30

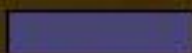
AirMass



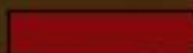
Thick,
high-level cloud



Thick,
mid-level cloud



Thick,
low-level cloud



Jet



Cold Airmass



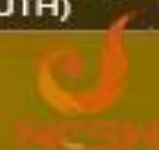
Warm Airmass
(high UTH)

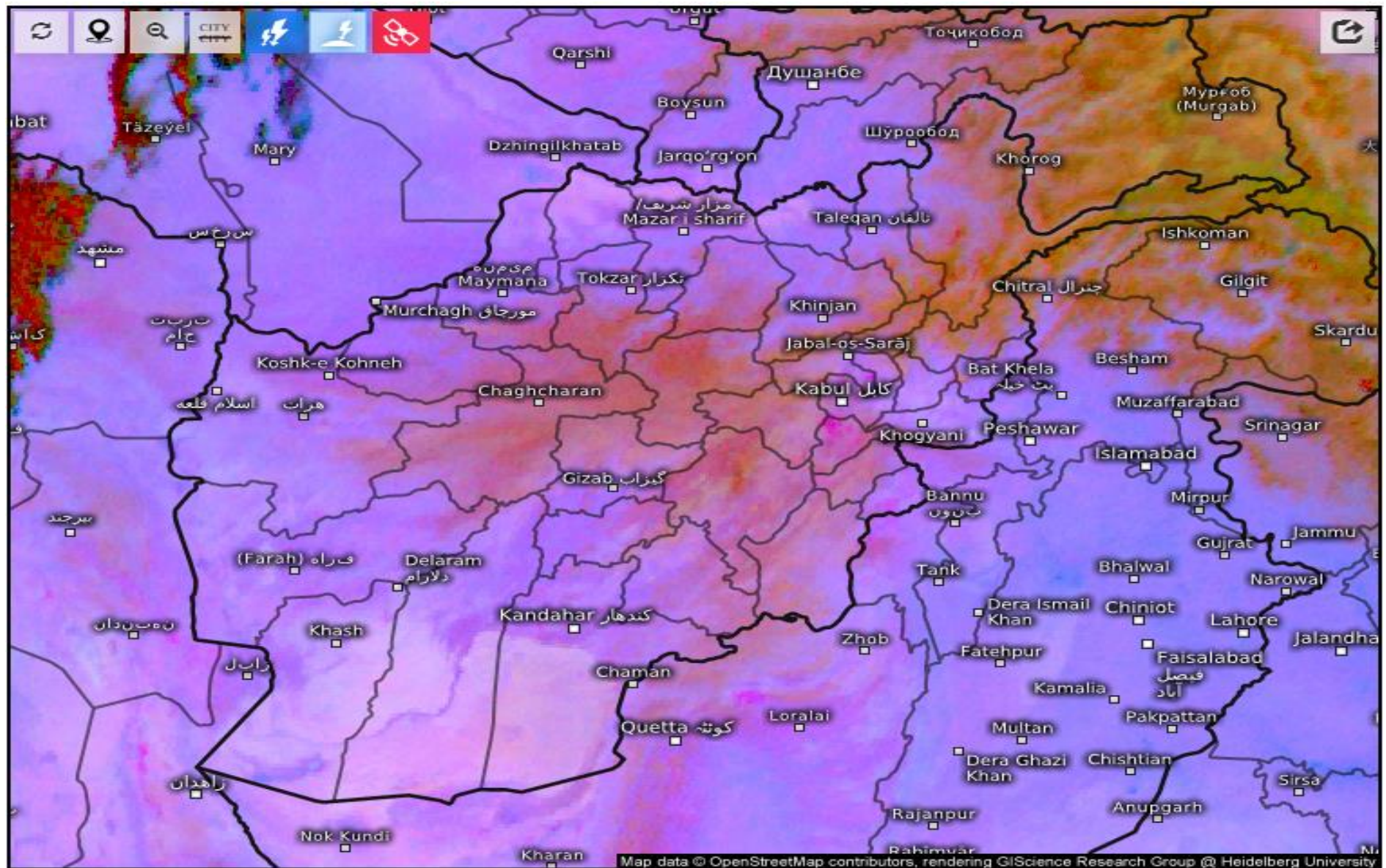


Warm Airmass
(low UTH)

R=
G=
B=

FY-4B AirMass RGB Composite (From WMO)



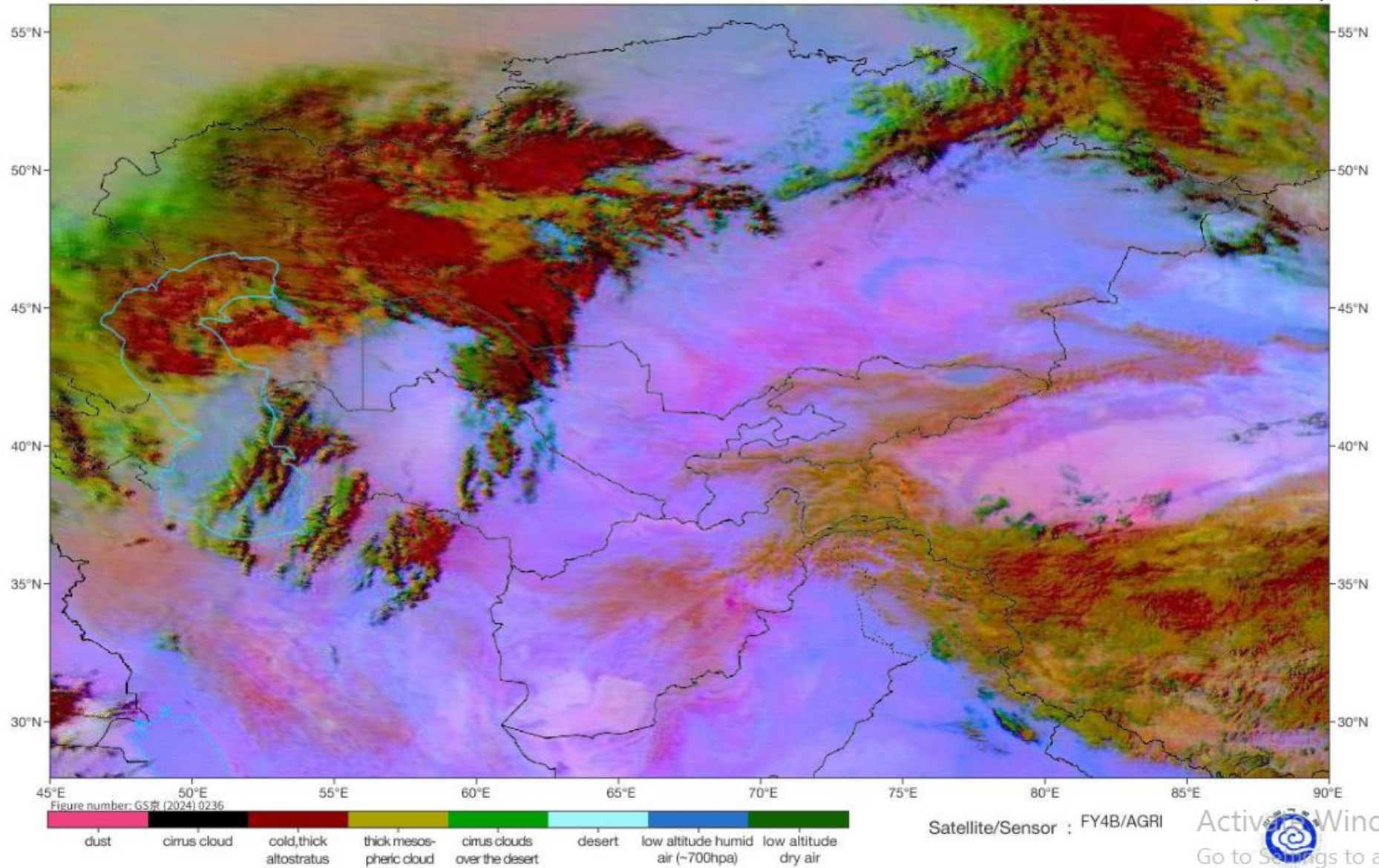


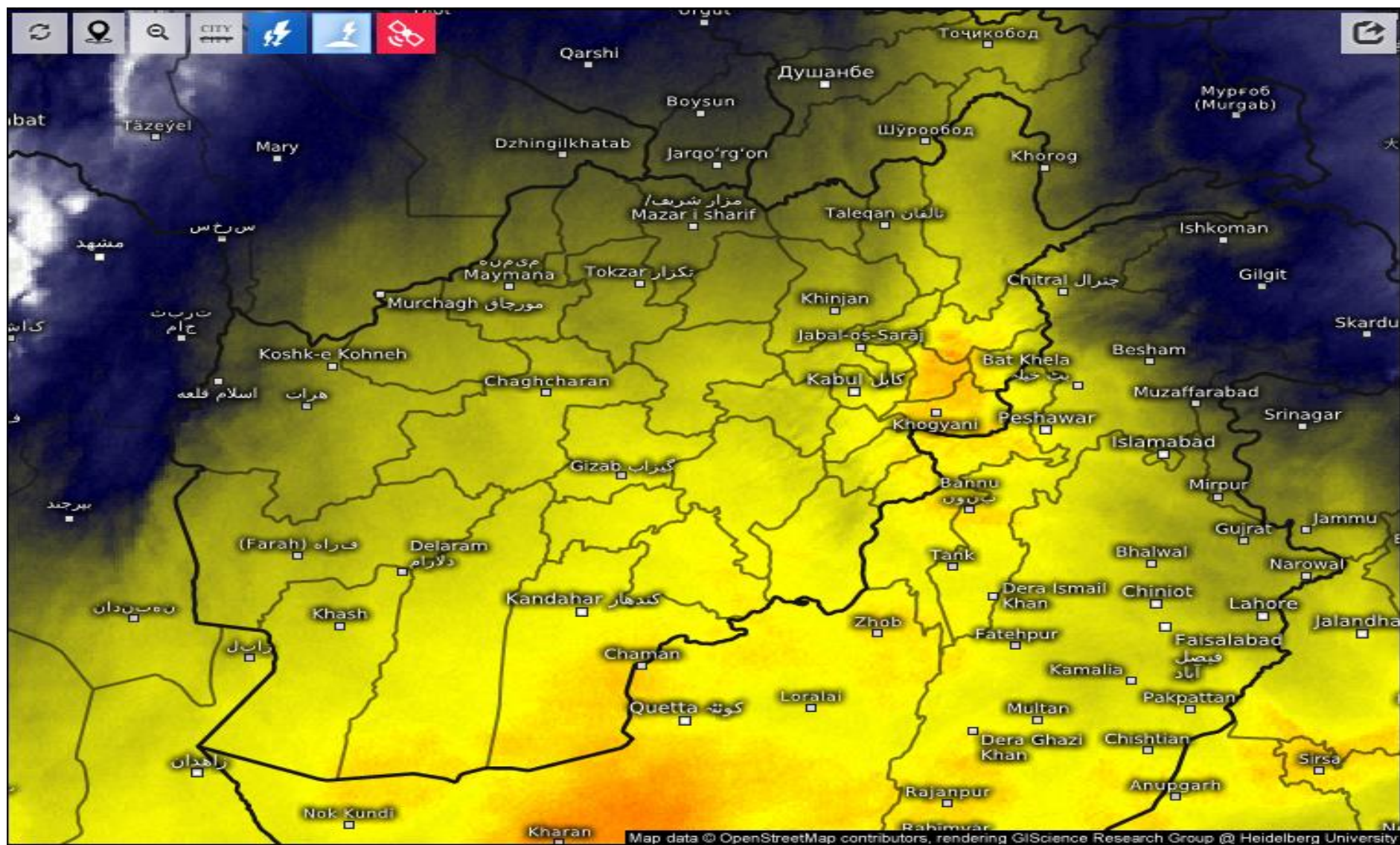
Satellite Dust 

Fri 05/16/2025, 05:00am GMT+0430

Sand And Dust Identification

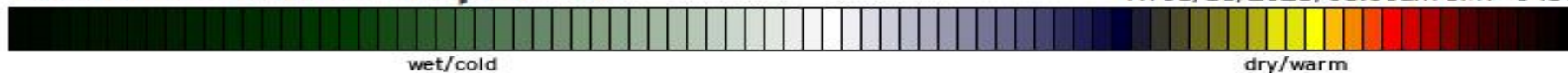
2025-05-16 00:30(UTC)





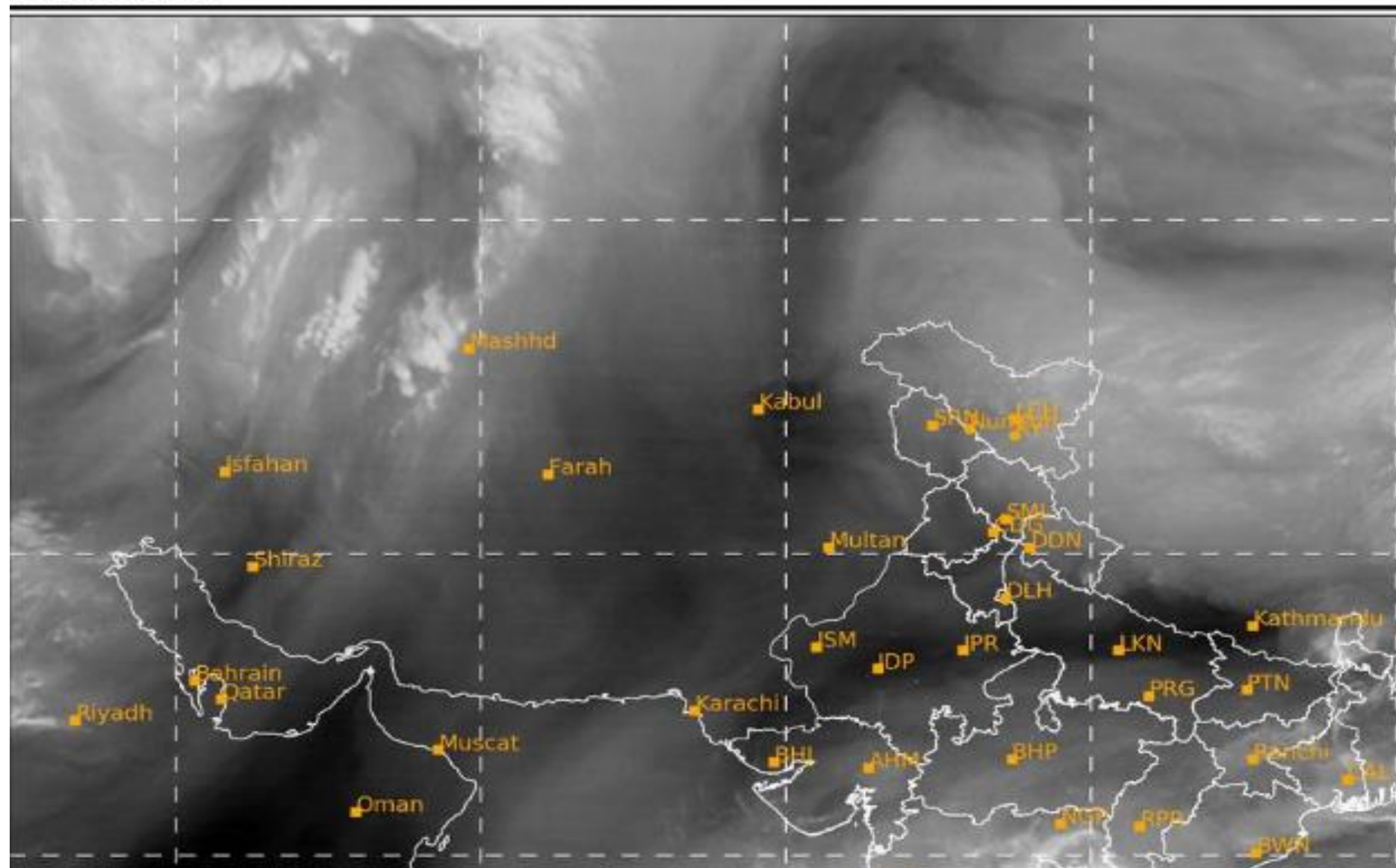
Satellite Water Vapor

Fri 05/16/2025, 05:00am GMT+0430



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

16-05-2025/(0045 to 0112) GMT
16-05-2025/(0615 to 0642) IST



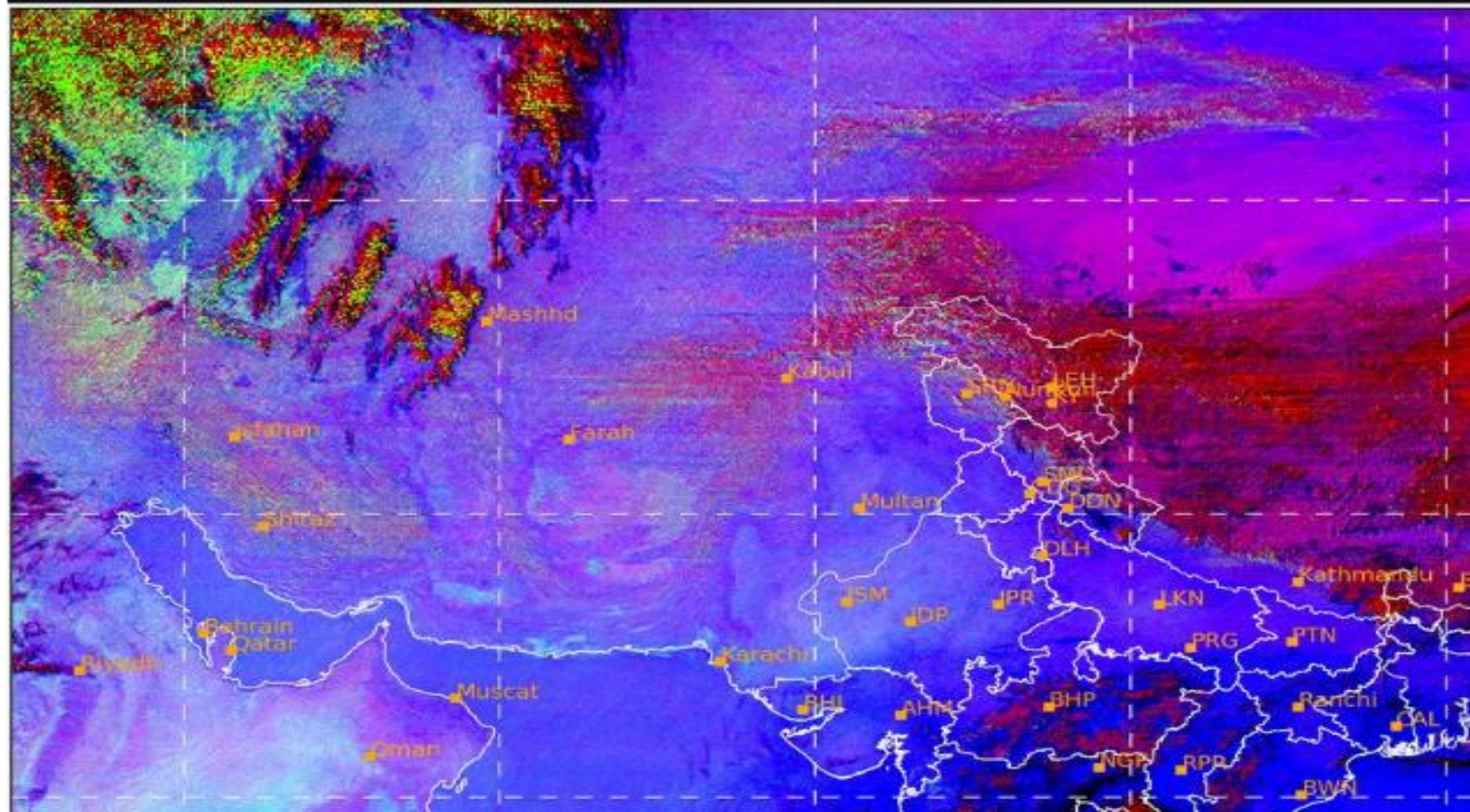
SAT : INSAT-3DR IMG

16-05-2025/(0045 to 0112) GMT

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

L1C Mercator

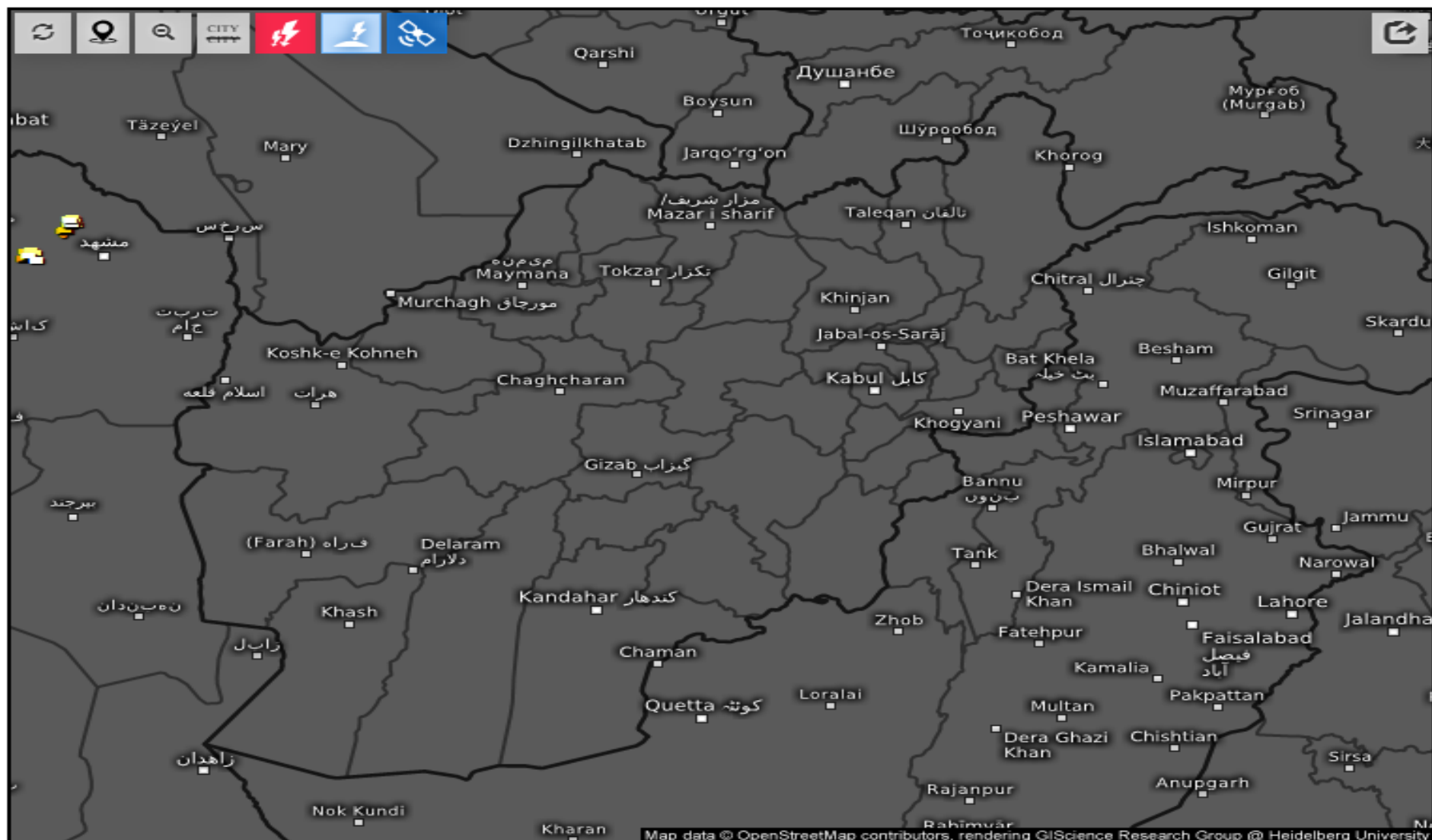
16-05-2025/(0615 to 0642) IST



0 100% 0 60% 203 323K



Fog Low Clouds Mid Orographic Cloud CB Snow Dust



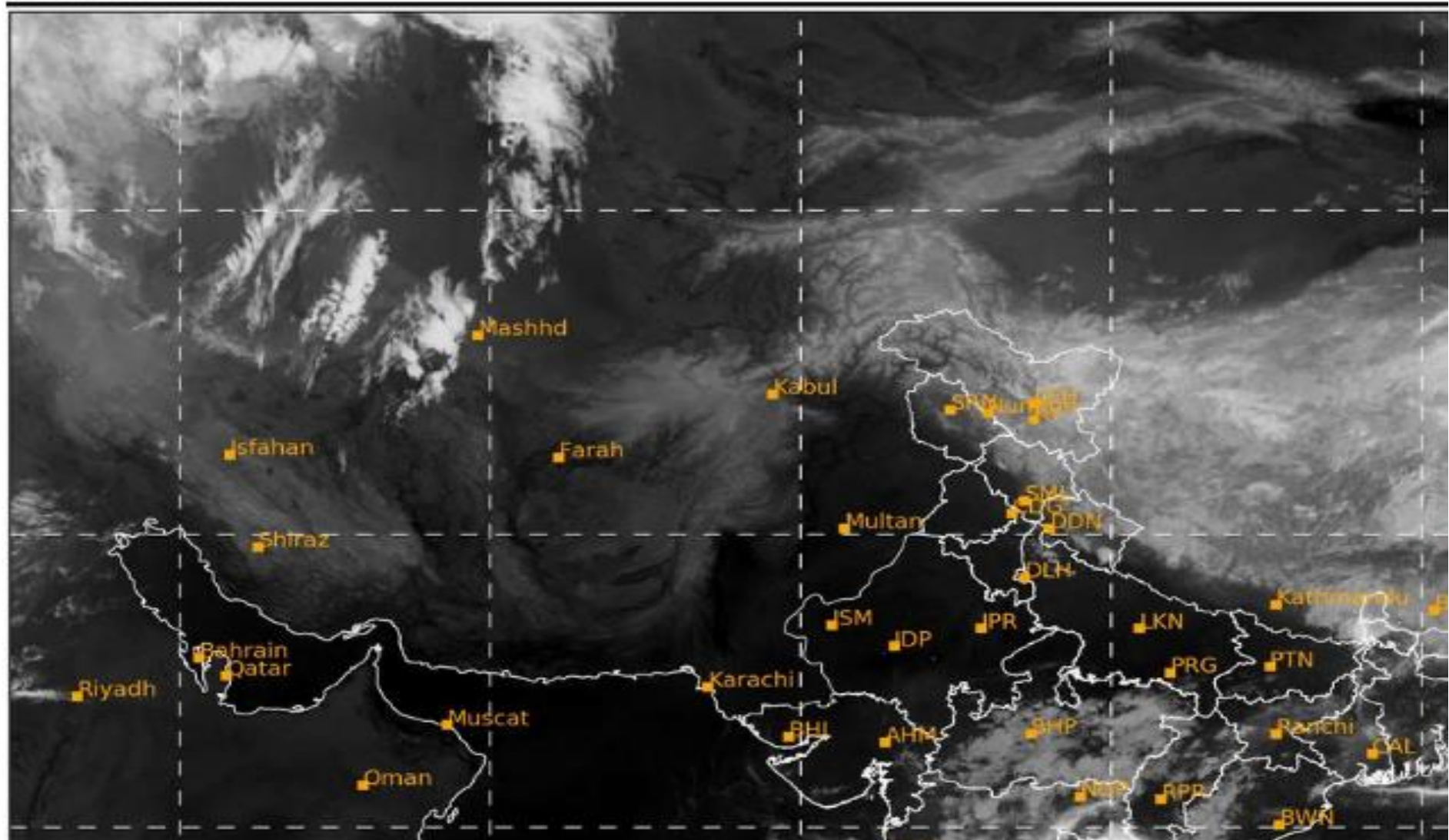
Age of lightning (minutes) 

Fri 05/16/2025, 05:10am GMT+0430



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

16-05-2025/(0045 to 0112) GMT
16-05-2025/(0615 to 0642) IST



Live satellite map, Afghanistan



► The location marker is placed on **Kabul**. [\[More\]](#)

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Cloud Top Height

2025-05-16 00:30(UTC)

