



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, 15:00 UTC, Number of reports: 978

No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	X	X	X	X	X	√ weak	X	X	
2	South	X	X	X	X	X	√ dry	X	X	
3	West	✓	✓	X	✓	X	√ weak	X	X	
4	East	X	X	X	✓	X	√ weak	X	X	
5	central	✓	✓	X	X	X	√ dry	X	X	
6	Northeast	✓	X	X	X	X	√ weak	X	X	
7	Southeast	✓	✓	X	X	X	√ dry	X	X	
8	Northwest	✓	✓	X	✓	X	√ weak	X	X	
9	Southwest	X	X	X	X	X	√ weak	X	X	

Details: According to satellite imagery analysis, the western, central, northeastern, southeastern and northwestern areas have warm air mass (Low UTH). The western, central, southeastern and northwestern areas have dust. The western, eastern and northwestern areas have partly cloddy sky. The all region have weak water vapor with the exception of southern, central and southeastern areas are dry.

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-05-16 05:45

AirMass



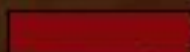
Thick,
high-level cloud



Thick,
mid-level cloud



Thick,
low-level cloud



Jet



Cold Airmass



Warm Airmass
(high UTH)

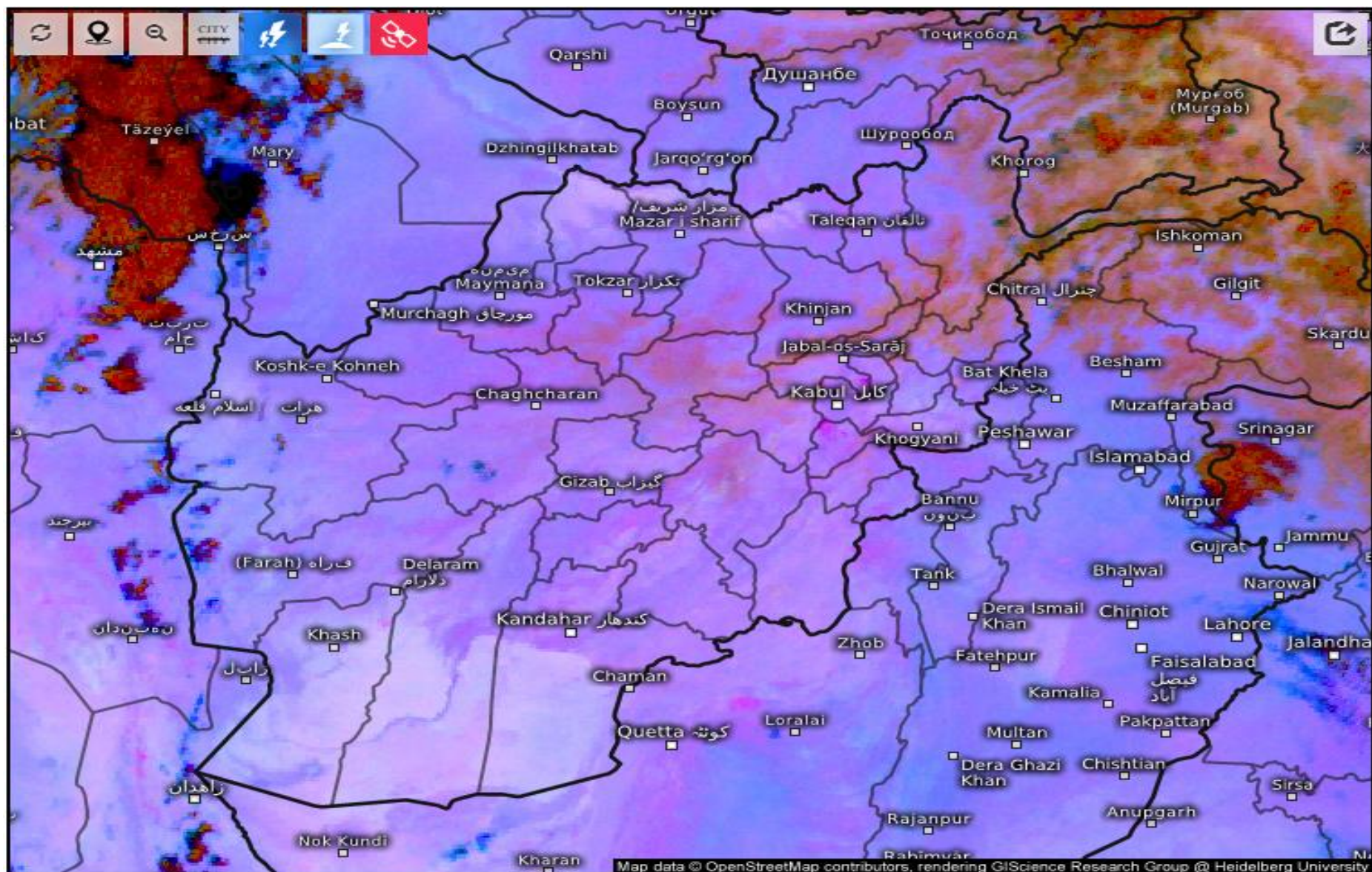


Warm Airmass
(low UTH)

R=
G=
B=

FY-4B AirMass RGB Composite (From WMO)



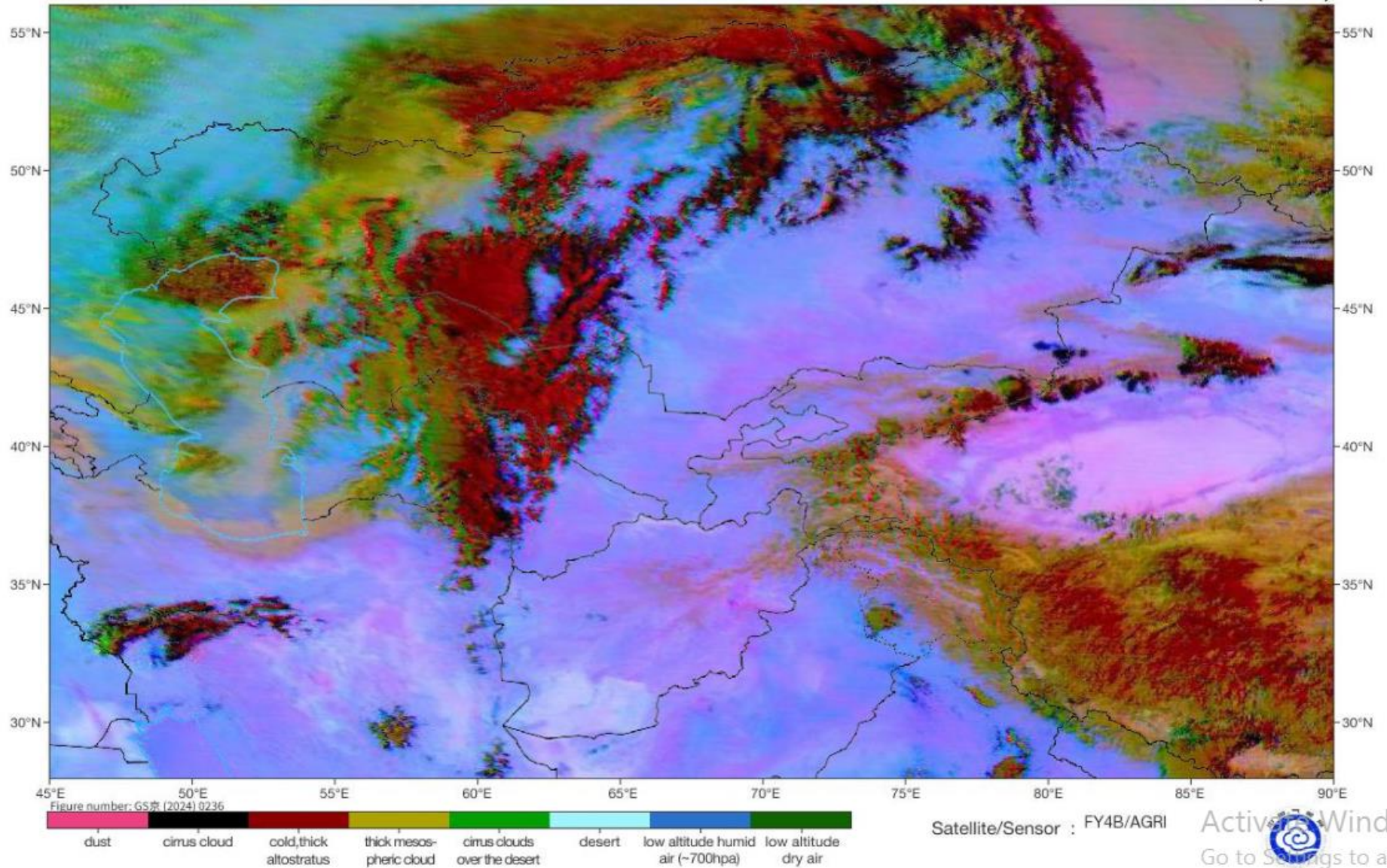


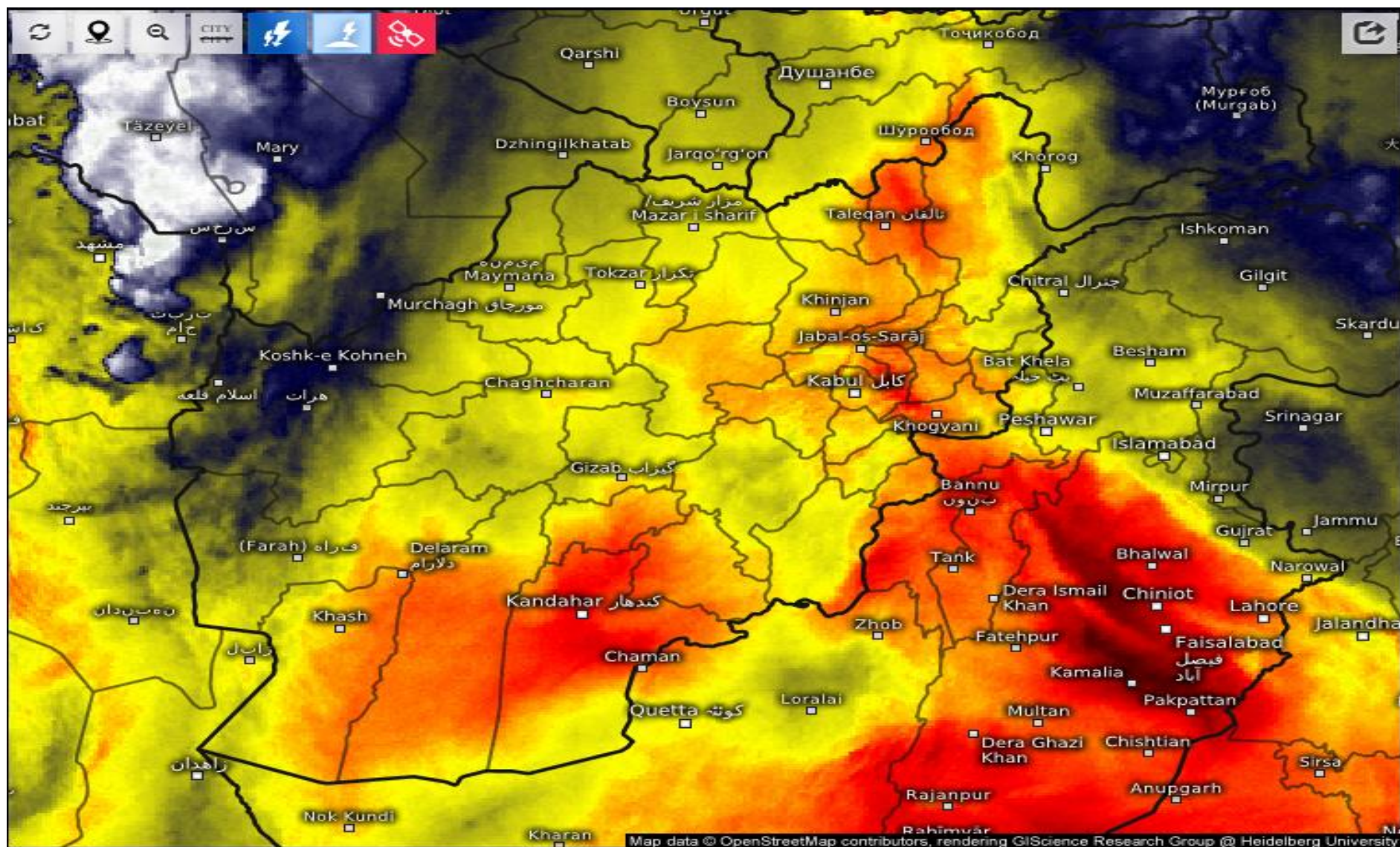
Satellite Dust 

Fri 05/16/2025, 07:00pm GMT+0430

Sand And Dust Identification

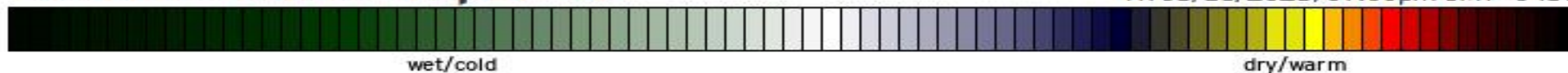
2025-05-16 14:30(UTC)





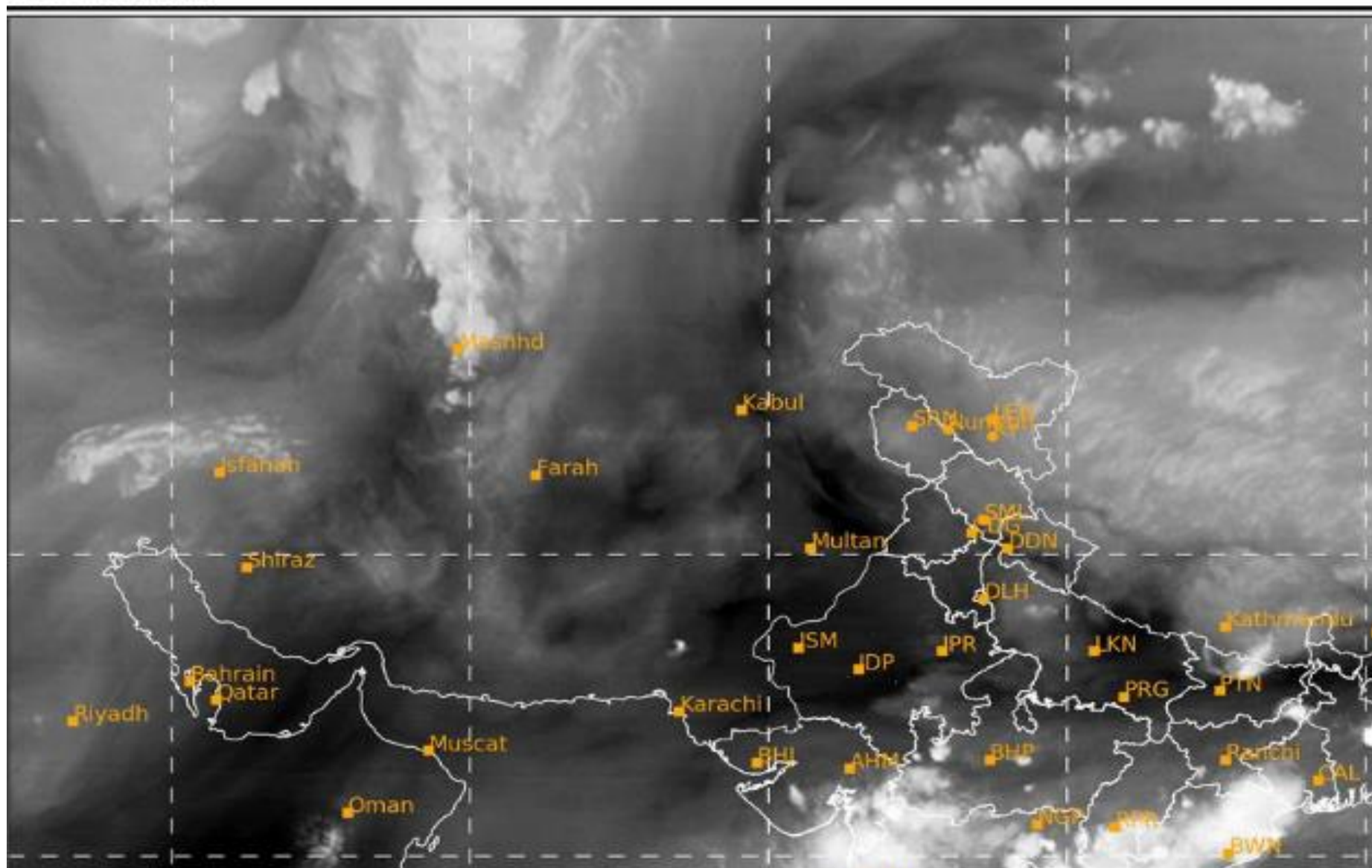
Satellite Water Vapor

Fri 05/16/2025, 07:00pm GMT+0430



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

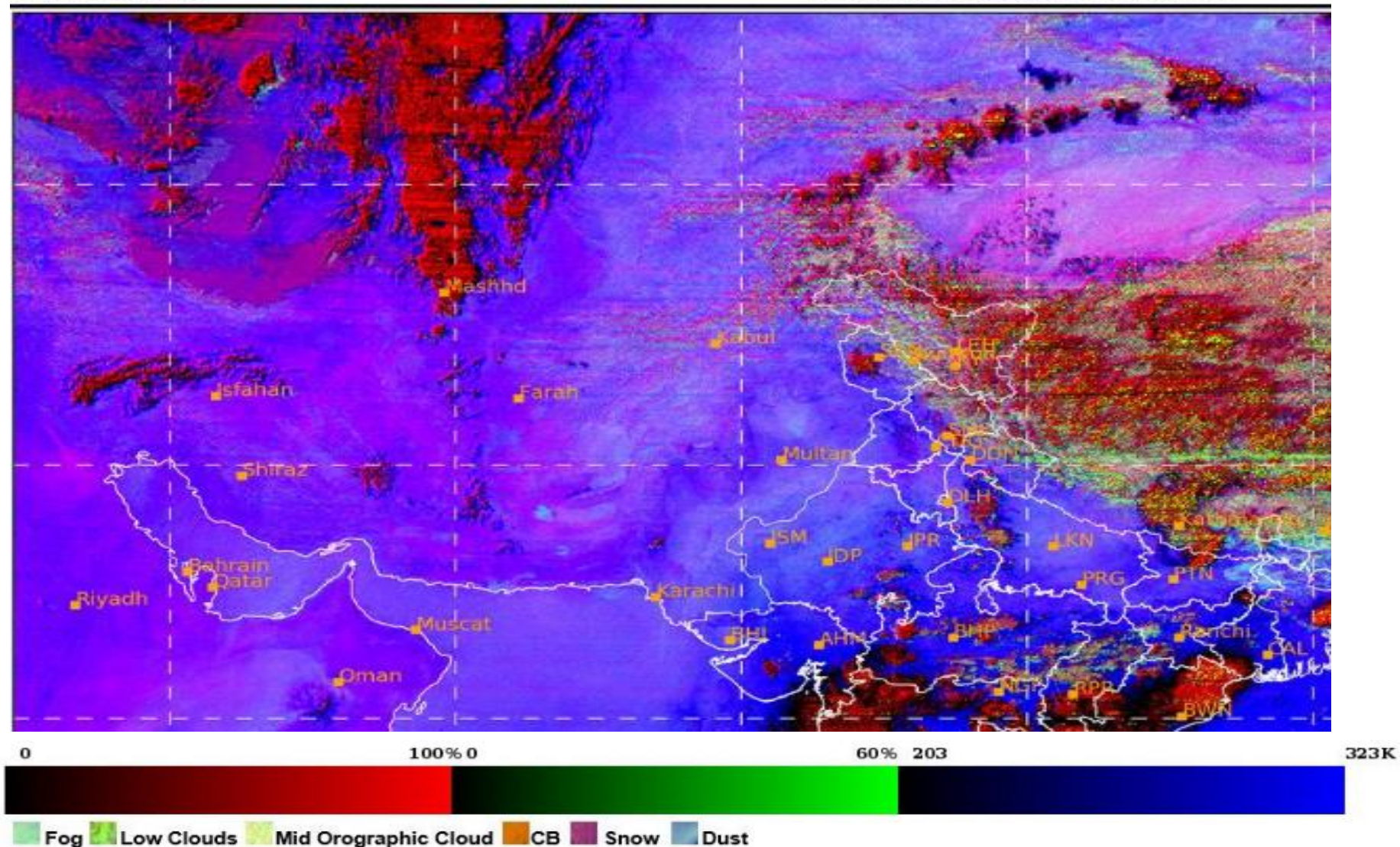
16-05-2025/(1345 to 1412) GMT
16-05-2025/(1915 to 1942) IST

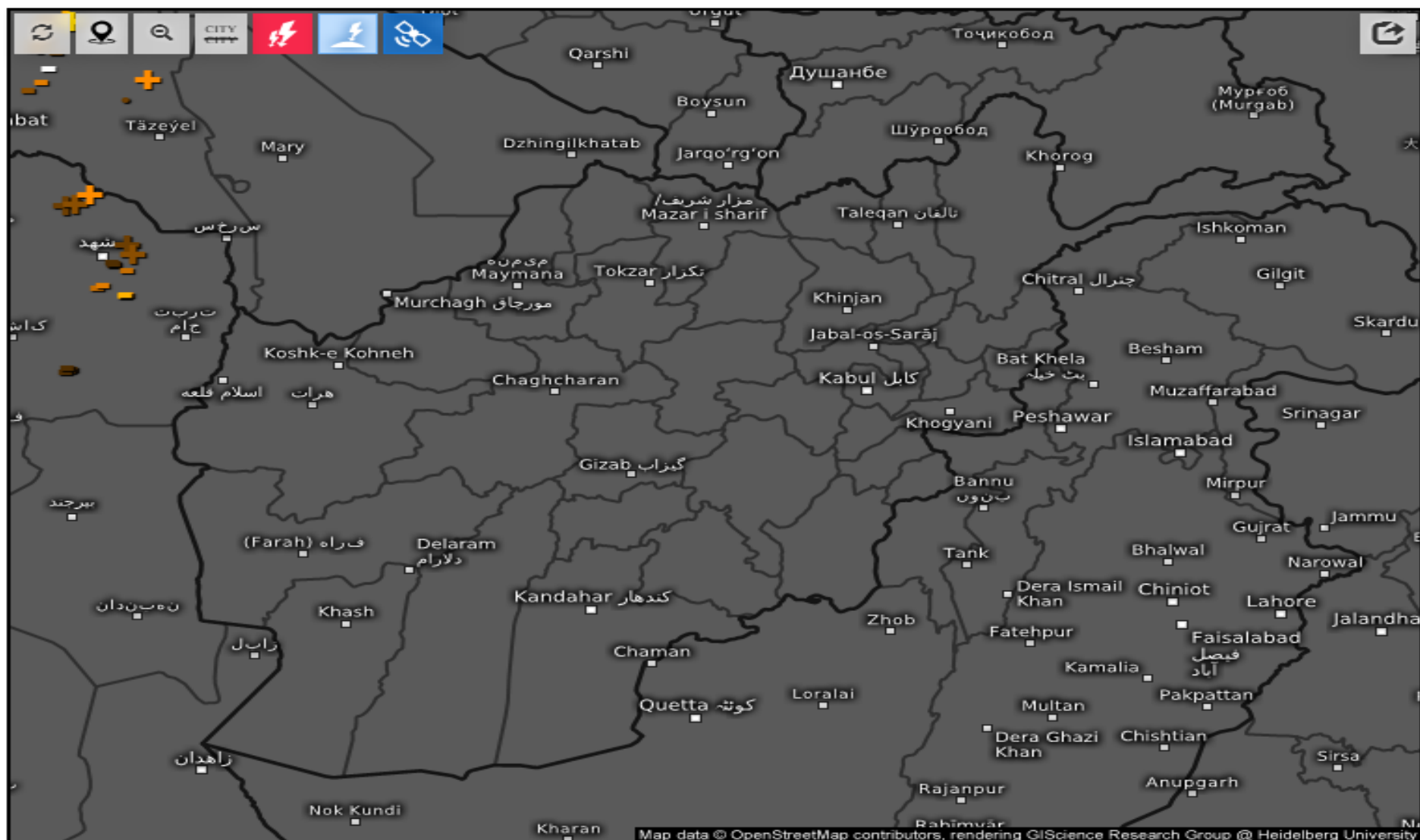


16-05-2025/(1345 to 1412) GMT

R_BT (G), TIR1_BT (B)

16-05-2025/(1915 to 1942) IST





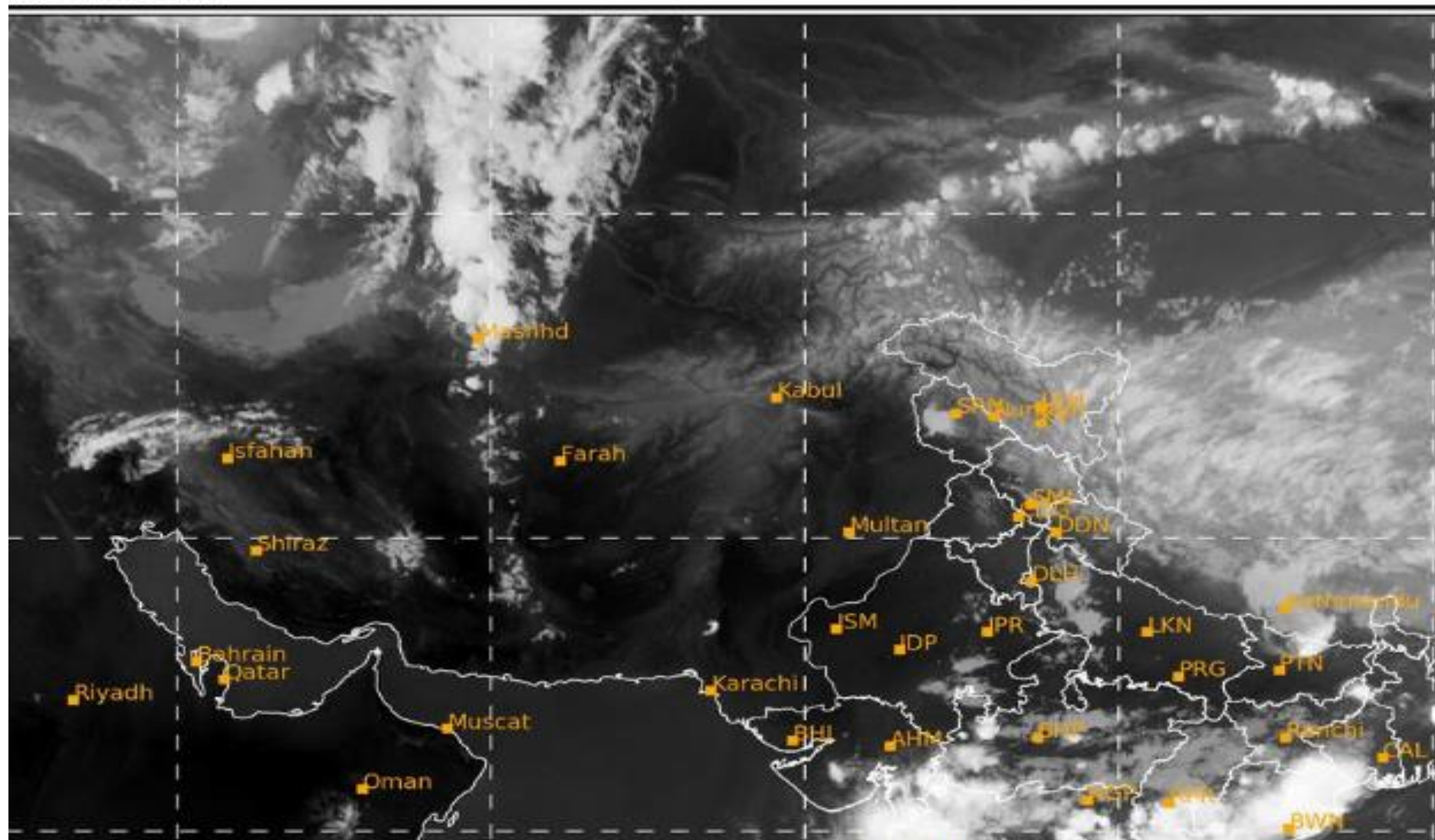
Age of lightning (minutes) 

Fri 05/16/2025, 07:15pm GMT+0430



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

16-05-2025/(1345 to 1412) GMT
16-05-2025/(1915 to 1942) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-05-16 14:30(UTC)

