



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



Daily reports of Satellite imagery analysis. Date & Time: 17/05/2025, 1:00 UTC, Number of reports: 979

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	√ weak	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	√ moderate	X	X	
9	Southwest	X	X	X	X	X	√ weak	X	X	

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

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

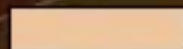
- Reported by: Esmatullah Mohammadi

UTC : 2025-05-16 15:15

AirMass



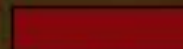
Thick,
high-level cloud



Thick,
mid-level cloud



Thick,
low-level cloud



Jet



Cold Airmass



Warm Airmass
(high UTH)

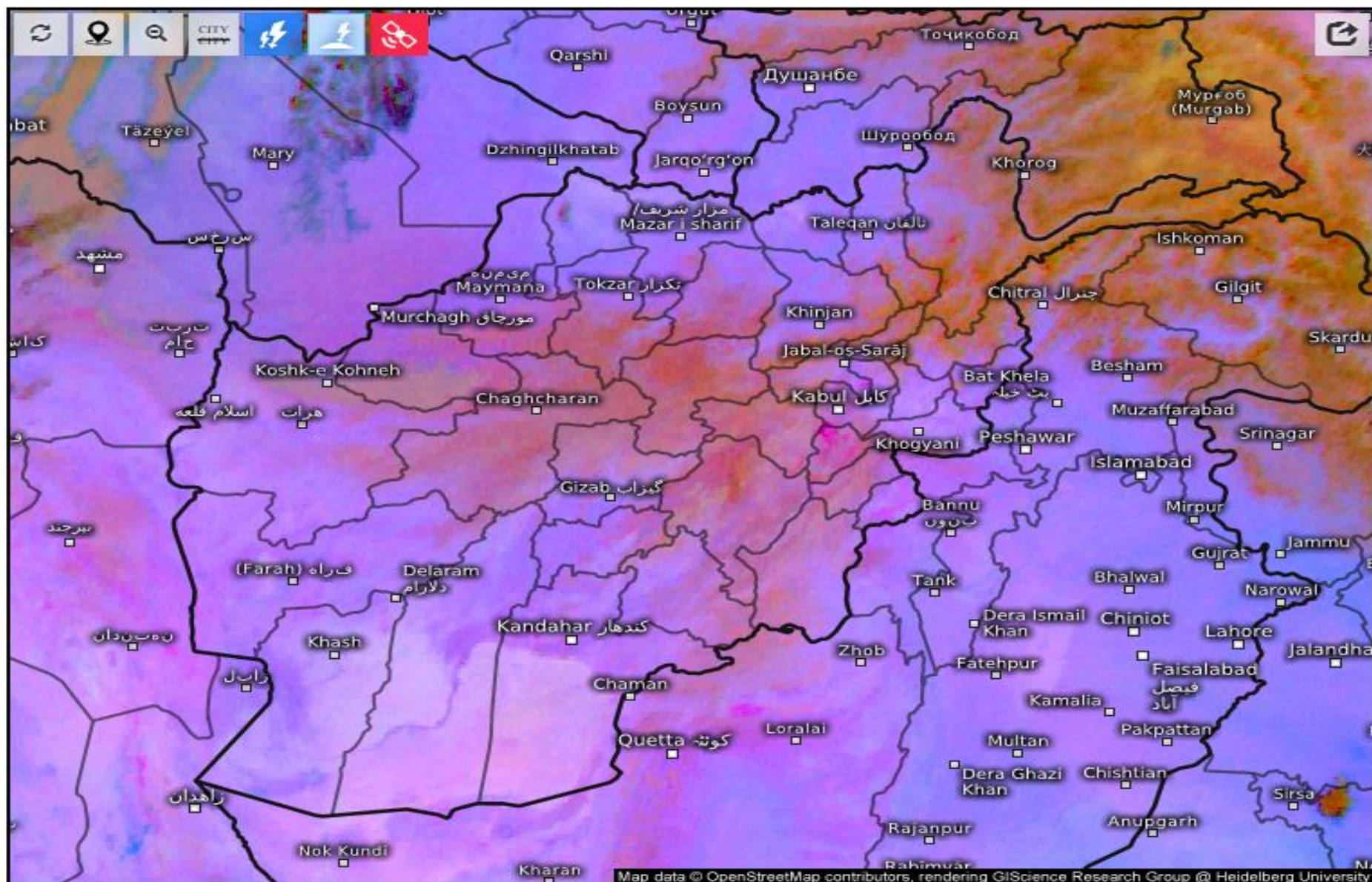


Warm Airmass
(low UTH)

R =
G =
B =

FY-4B AirMass RGB Composite (From WMO)



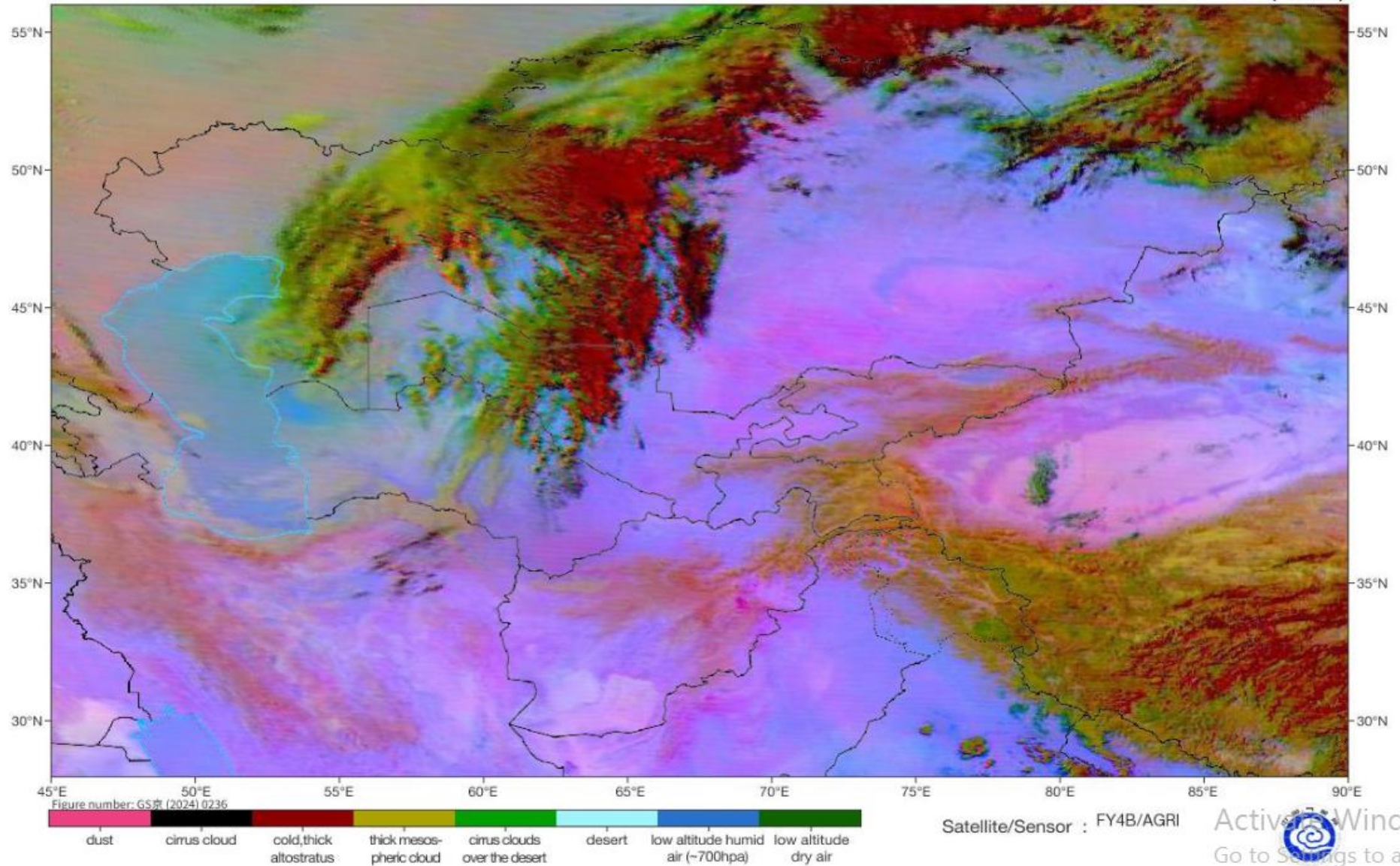


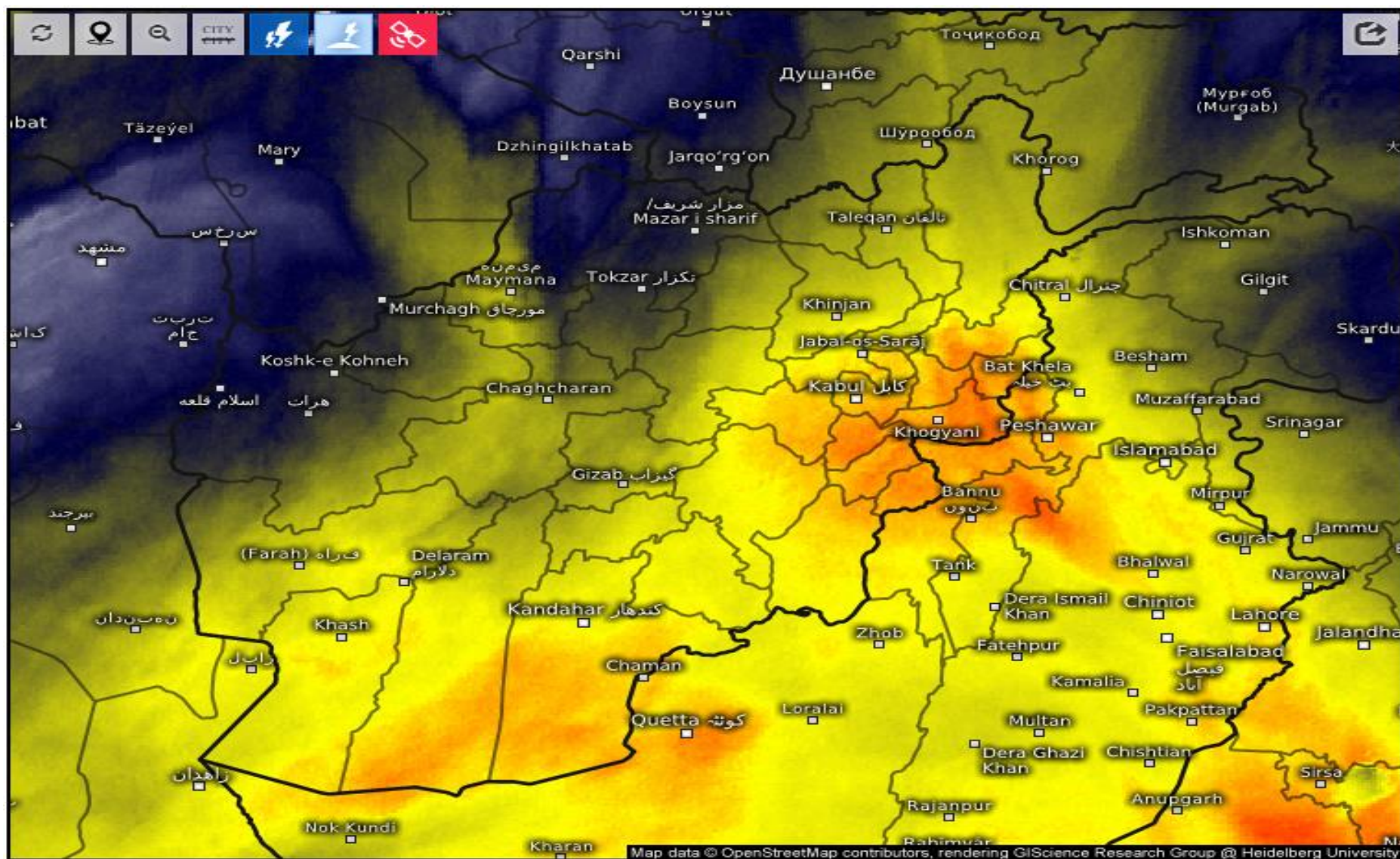
Satellite Dust 

Sat 05/17/2025, 05:00am GMT+0430

Sand And Dust Identification

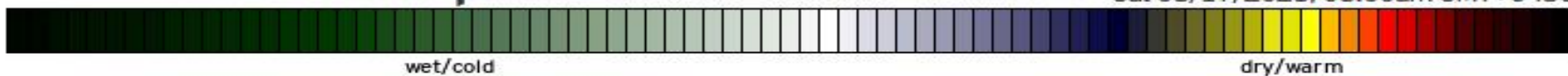
2025-05-17 00:30(UTC)





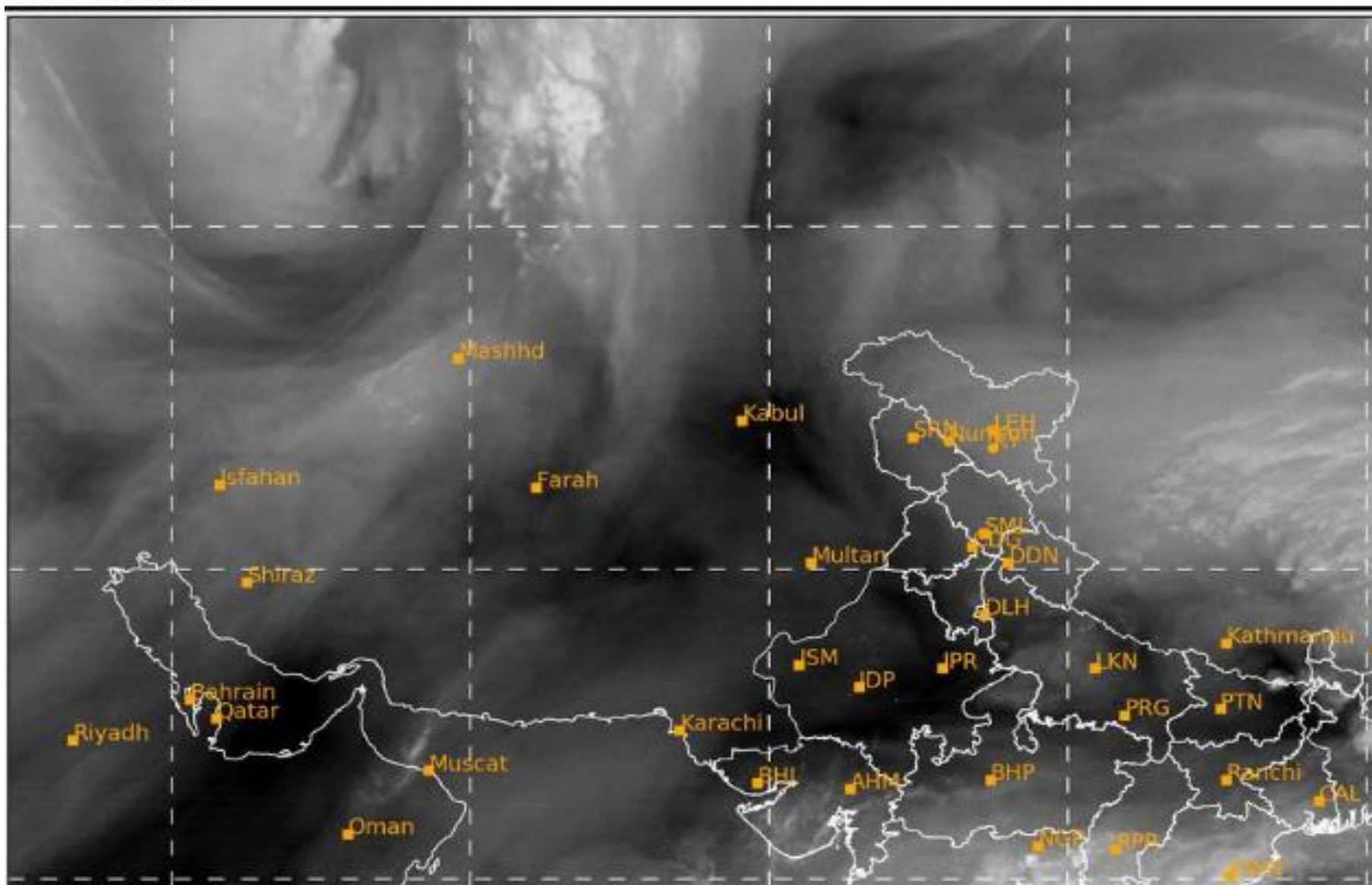
Satellite Water Vapor

Sat 05/17/2025, 05:00am GMT+0430



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

16-05-2025/(2345 to 0012) GMT
17-05-2025/(0515 to 0542) IST



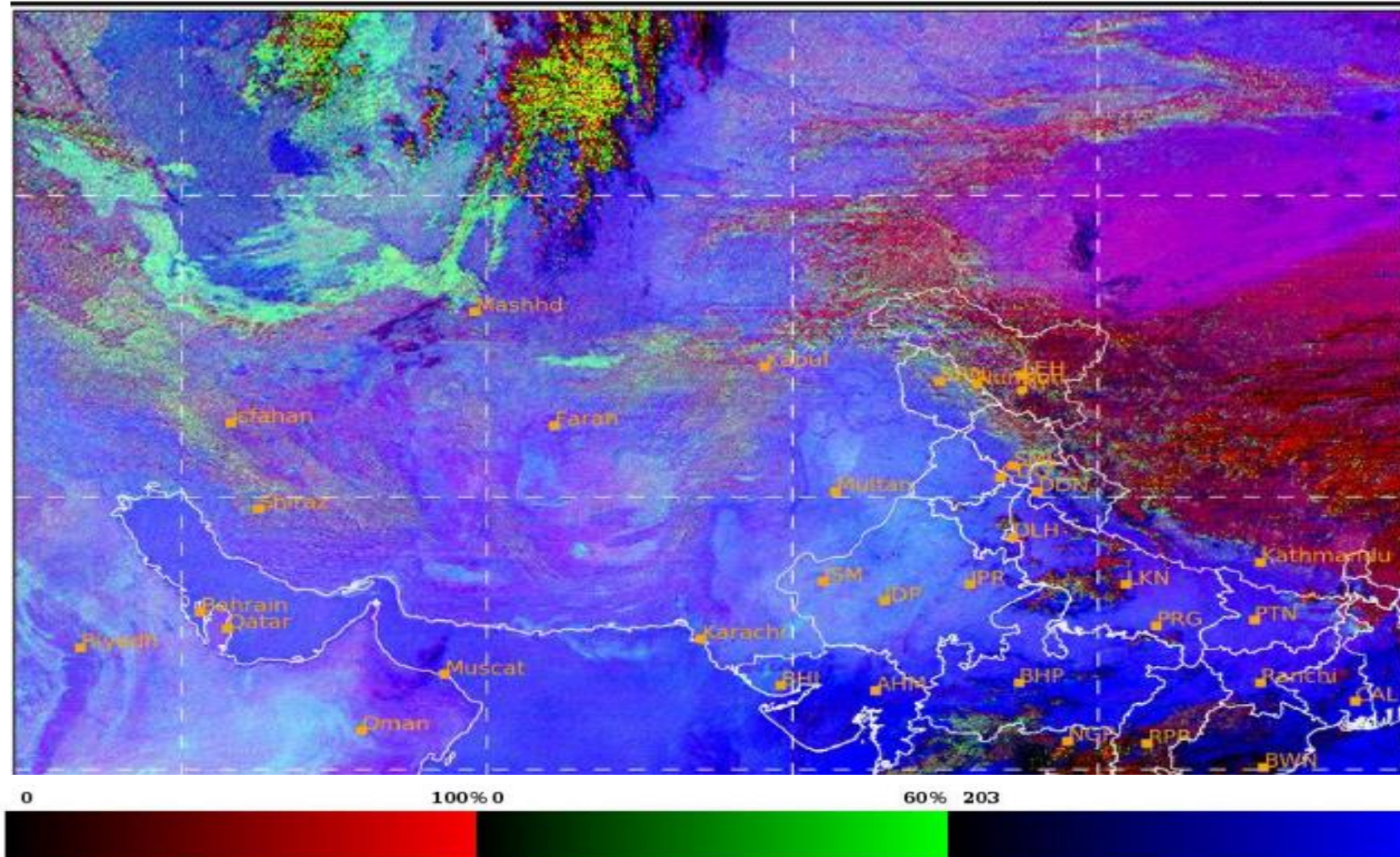
SAT : INSAT-3DR IMG

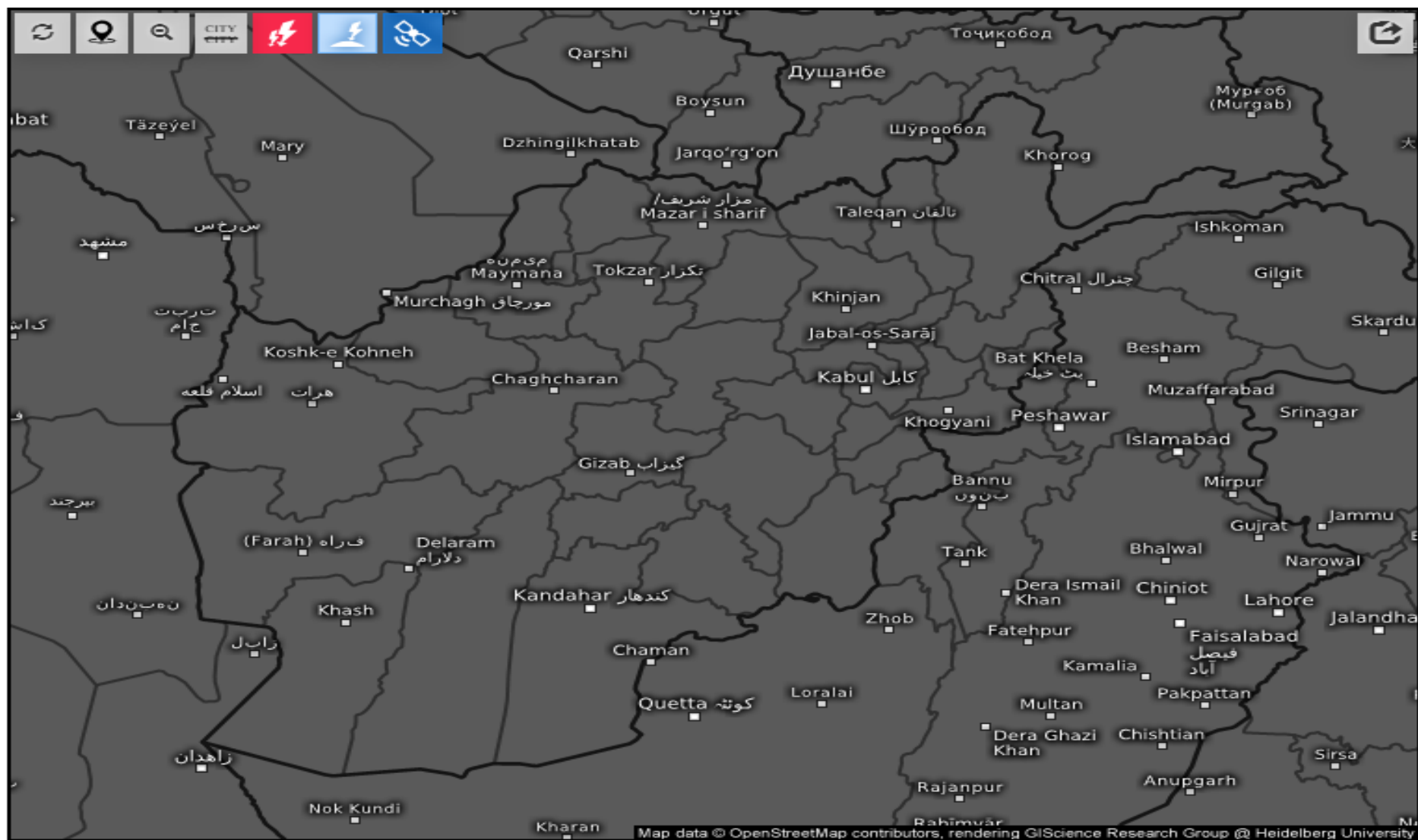
16-05-2025/(2345 to 0012) GMT

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

L1C Mercator

17-05-2025/(0515 to 0542) IST





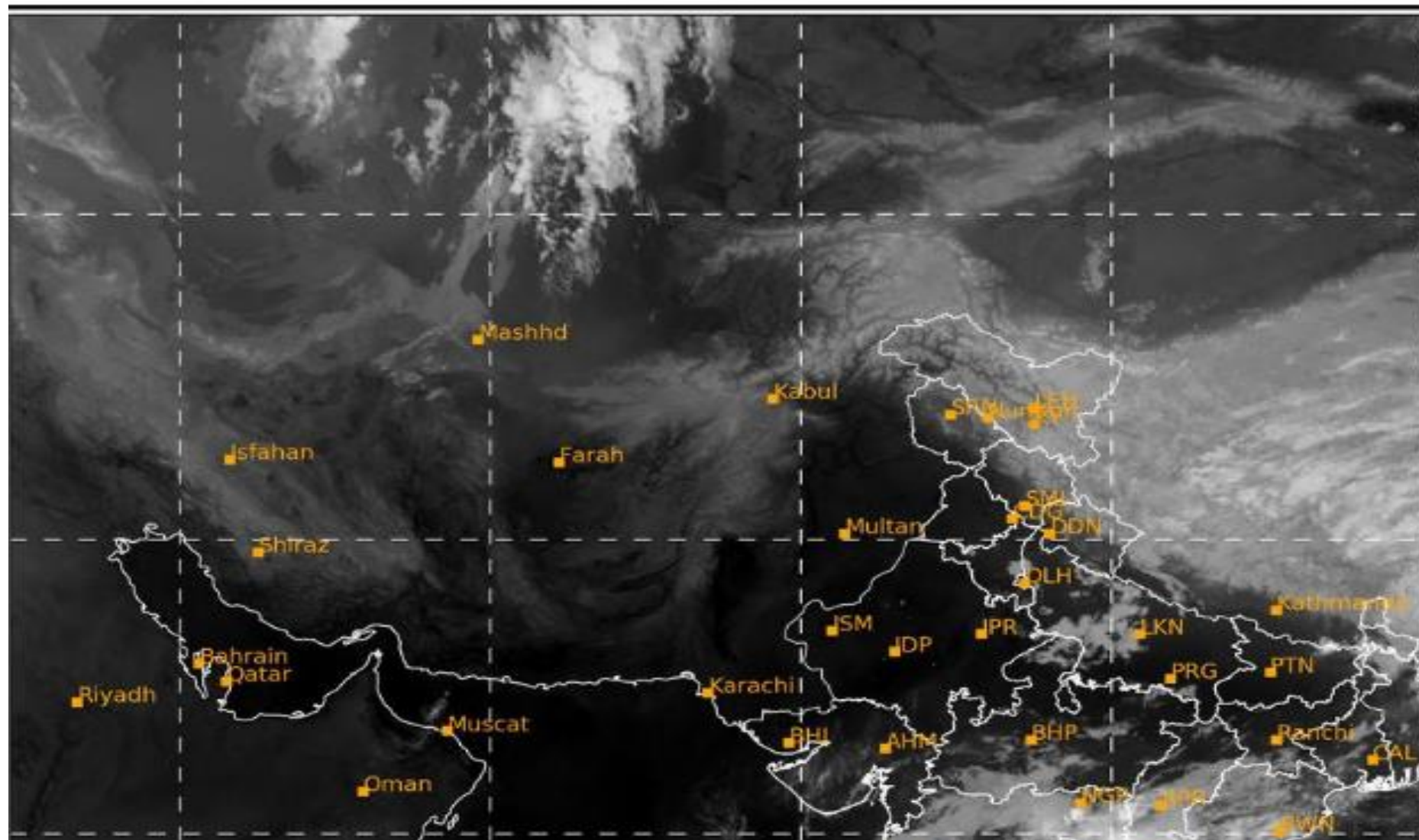
Age of lightning (minutes) 

Sat 05/17/2025, 05:15am GMT+0430



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

16-05-2025/(2345 to 0012) GMT
17-05-2025/(0515 to 0542) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-05-17 00:00(UTC)

