



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



Daily reports of Satellite imagery analysis. Date & Time: 20/05/2025, 15:00 UTC, Number of reports: 990

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

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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-05-20 05:30

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

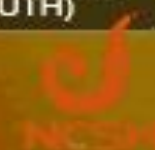
Cold Airmass

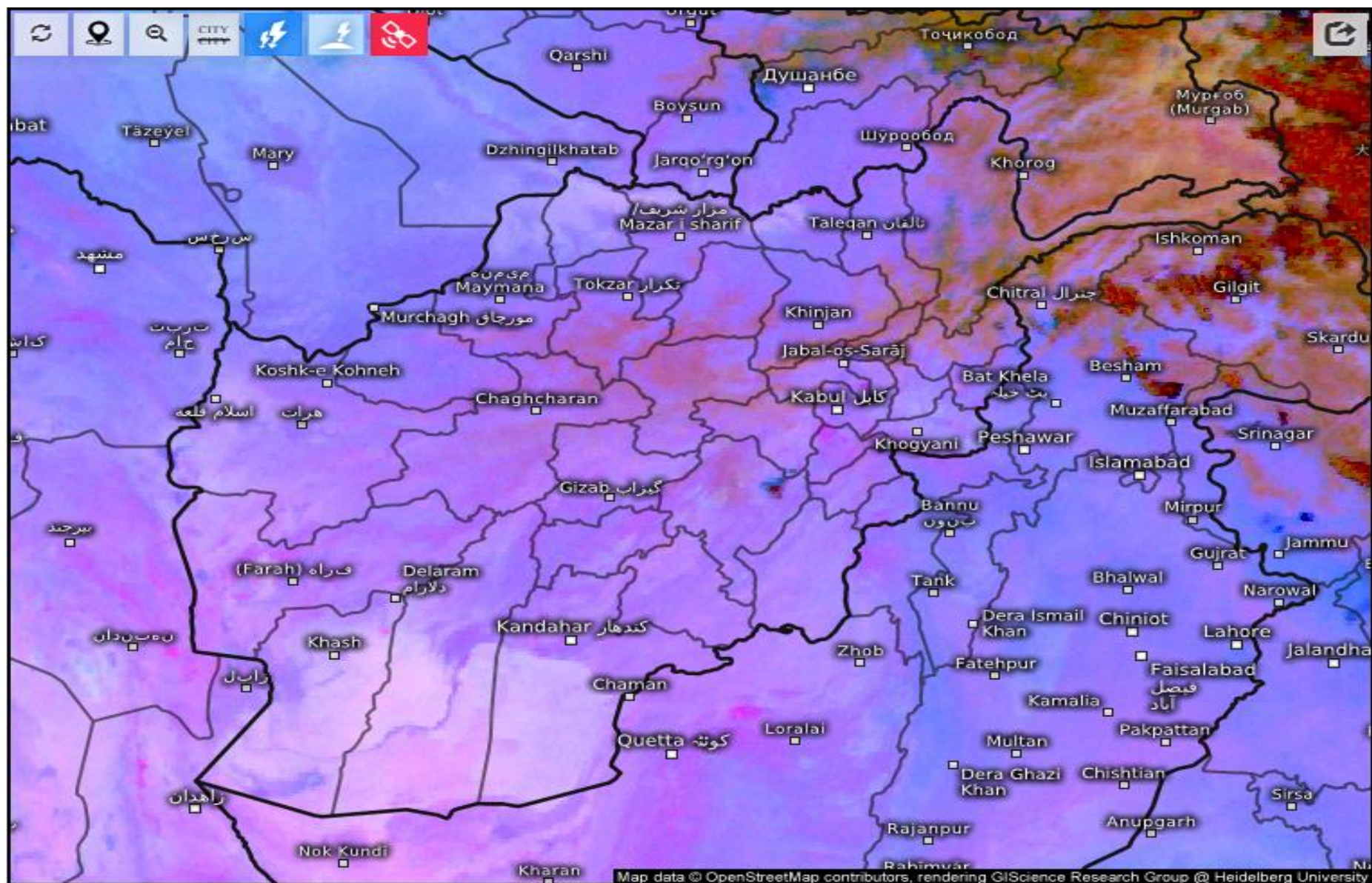
Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

R =
G =
B =

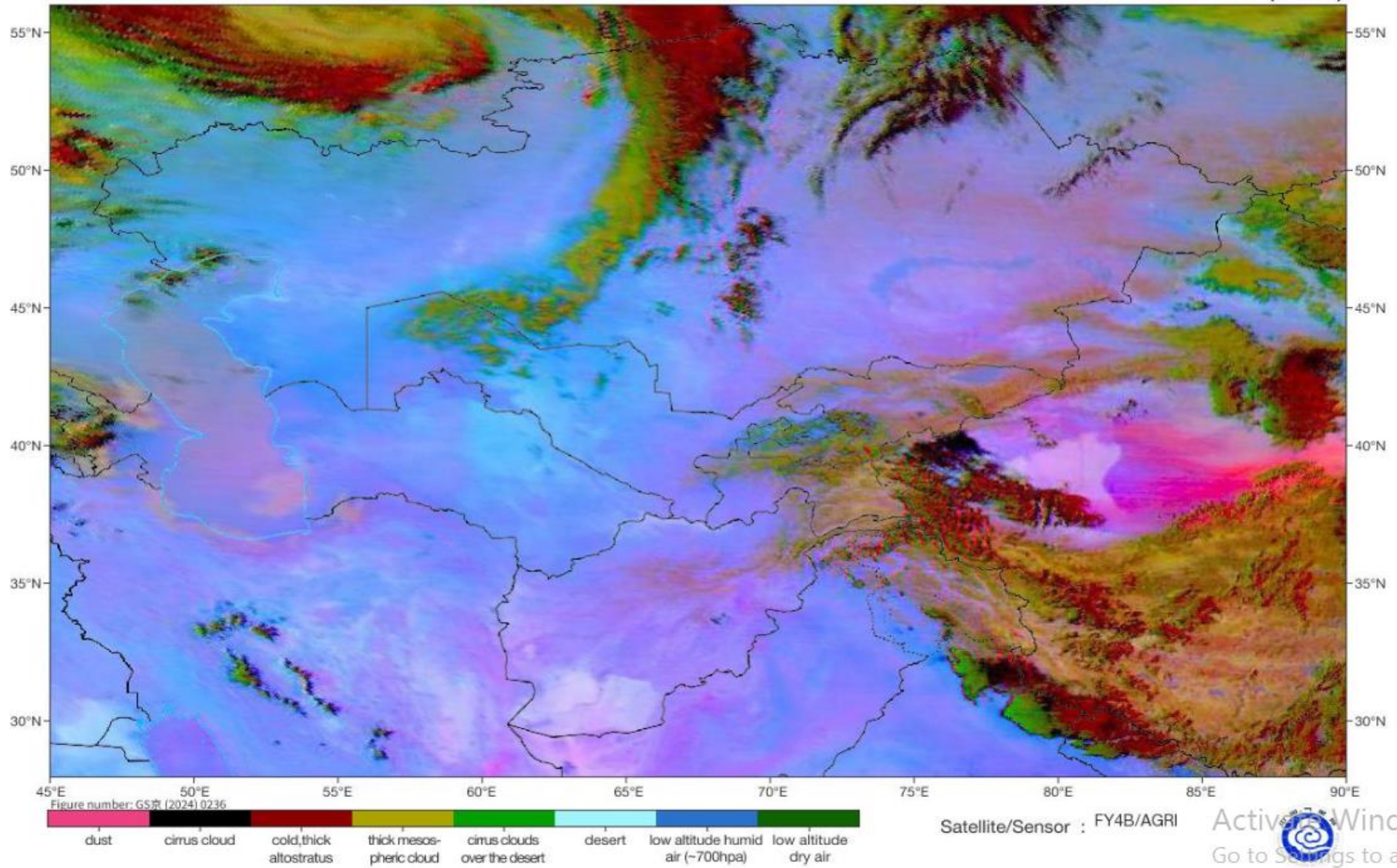
FY-4B AirMass RGB Composite (From WMO)

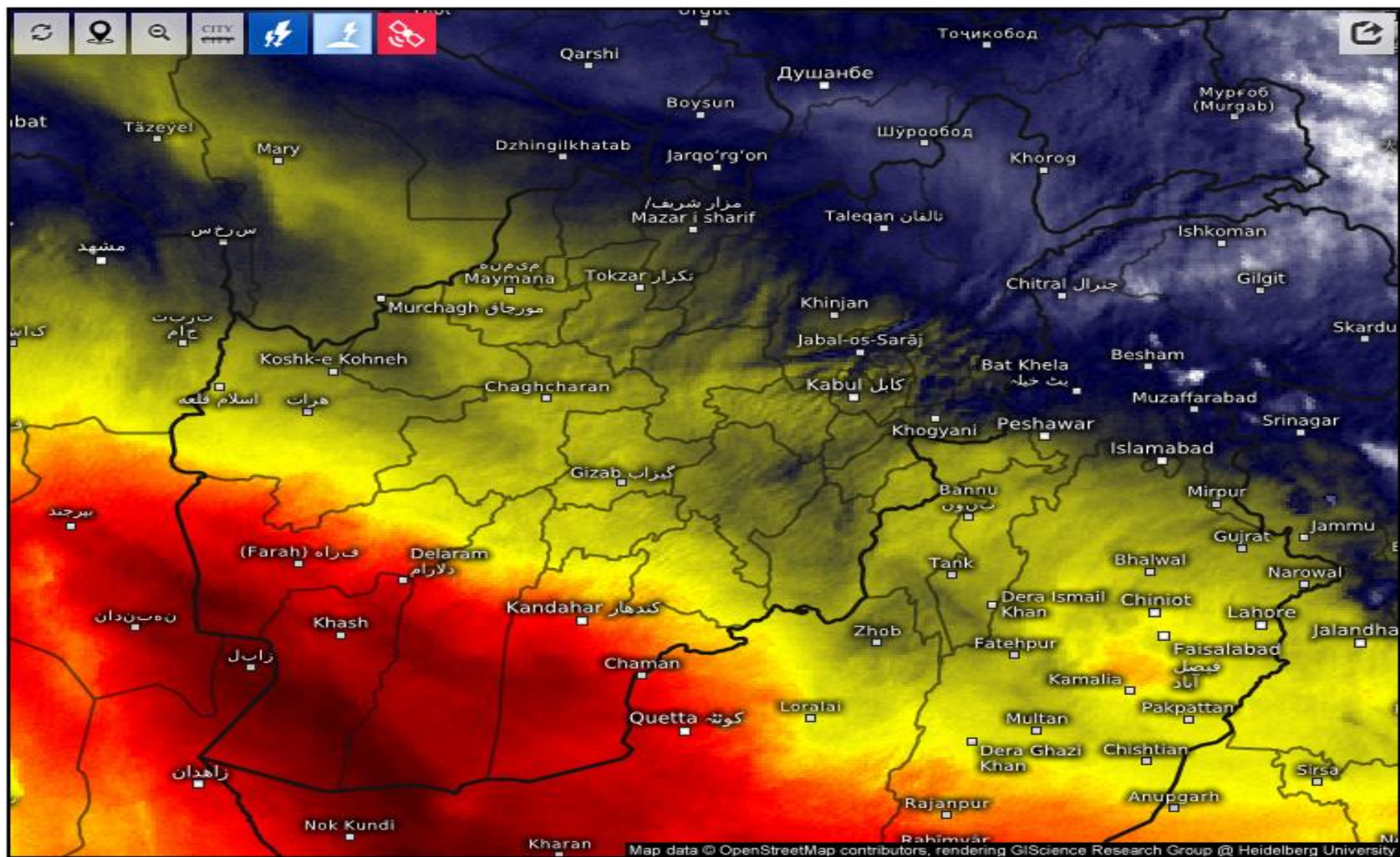




Sand And Dust Identification

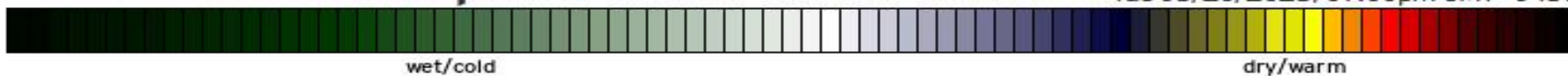
2025-05-20 14:30(UTC)





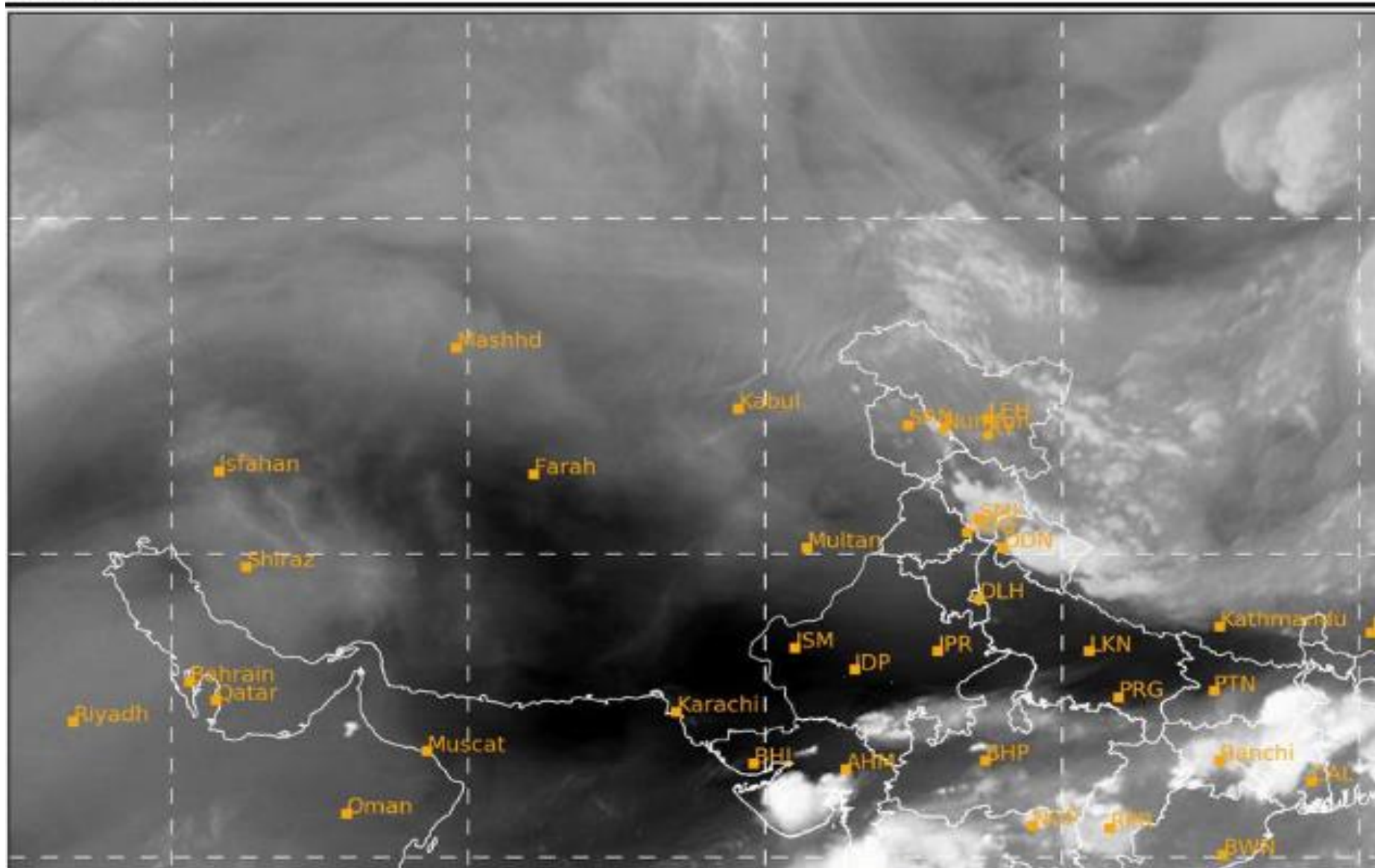
Satellite Water Vapor

Tue 05/20/2025, 07:00pm GMT+0430



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

20-05-2025/(1345 to 1412) GMT
20-05-2025/(1915 to 1942) IST



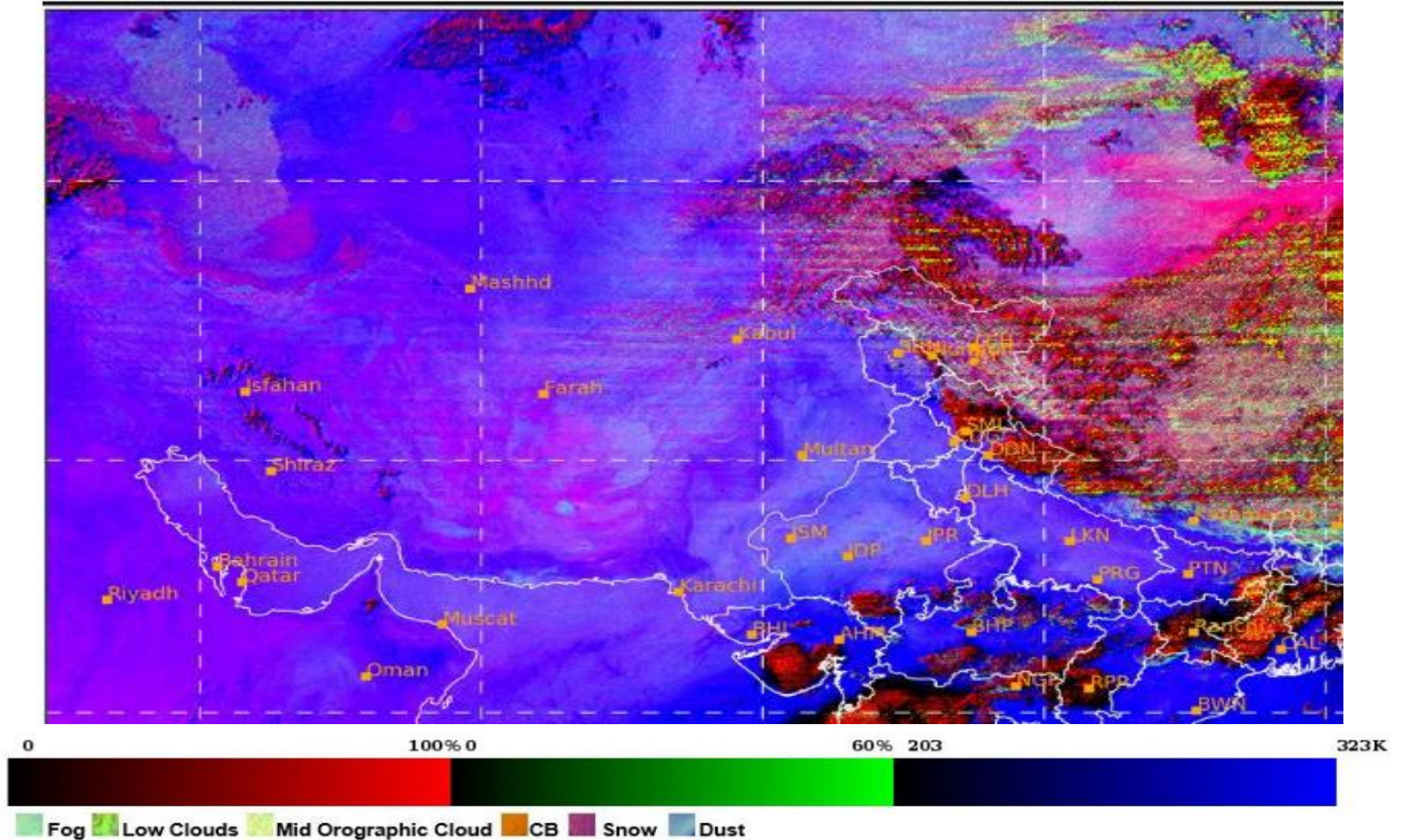
SAT : INSAT-3DR IMG

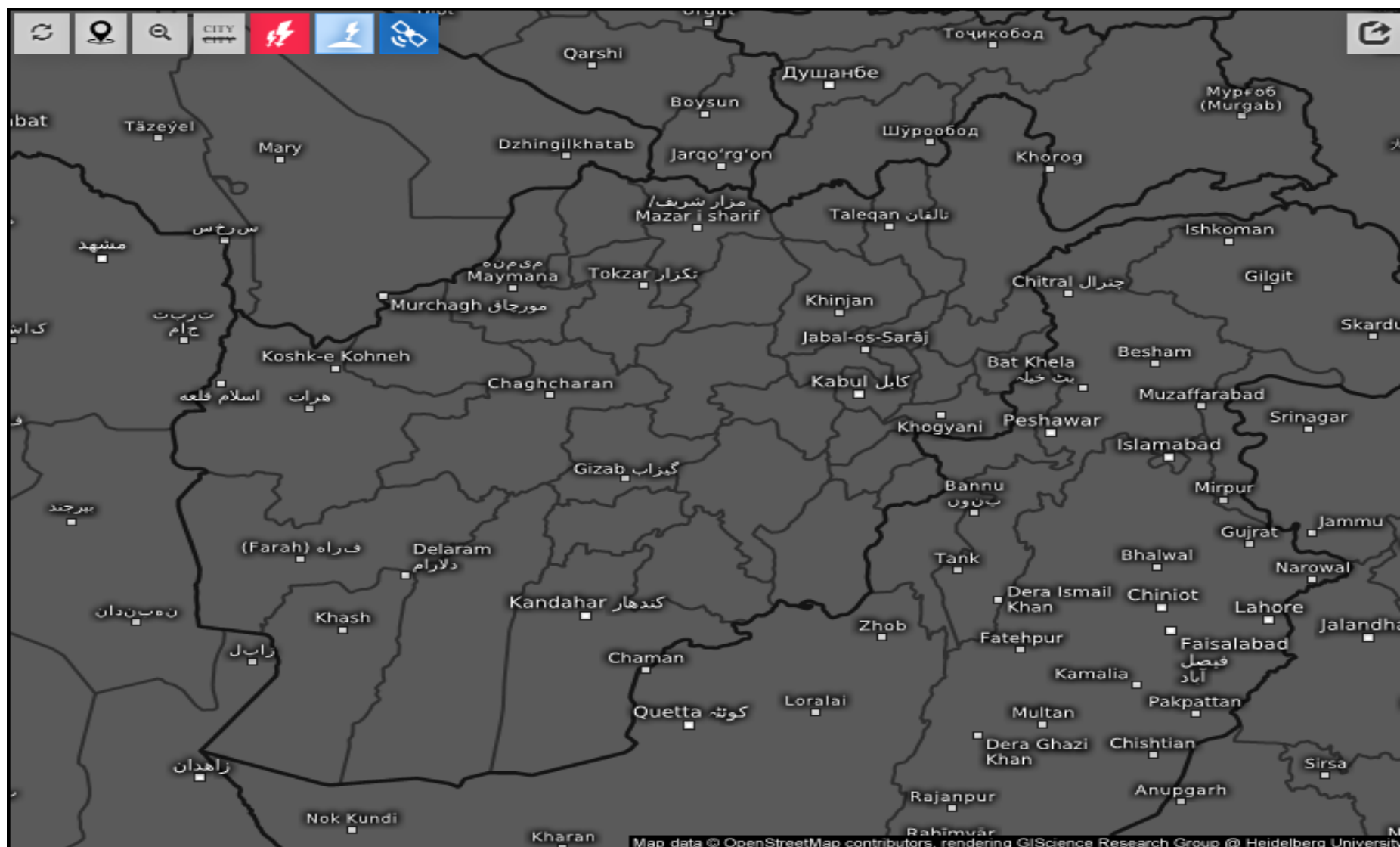
20-05-2025/(1345 to 1412) GMT

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

L1C Mercator

20-05-2025/(1915 to 1942) IST





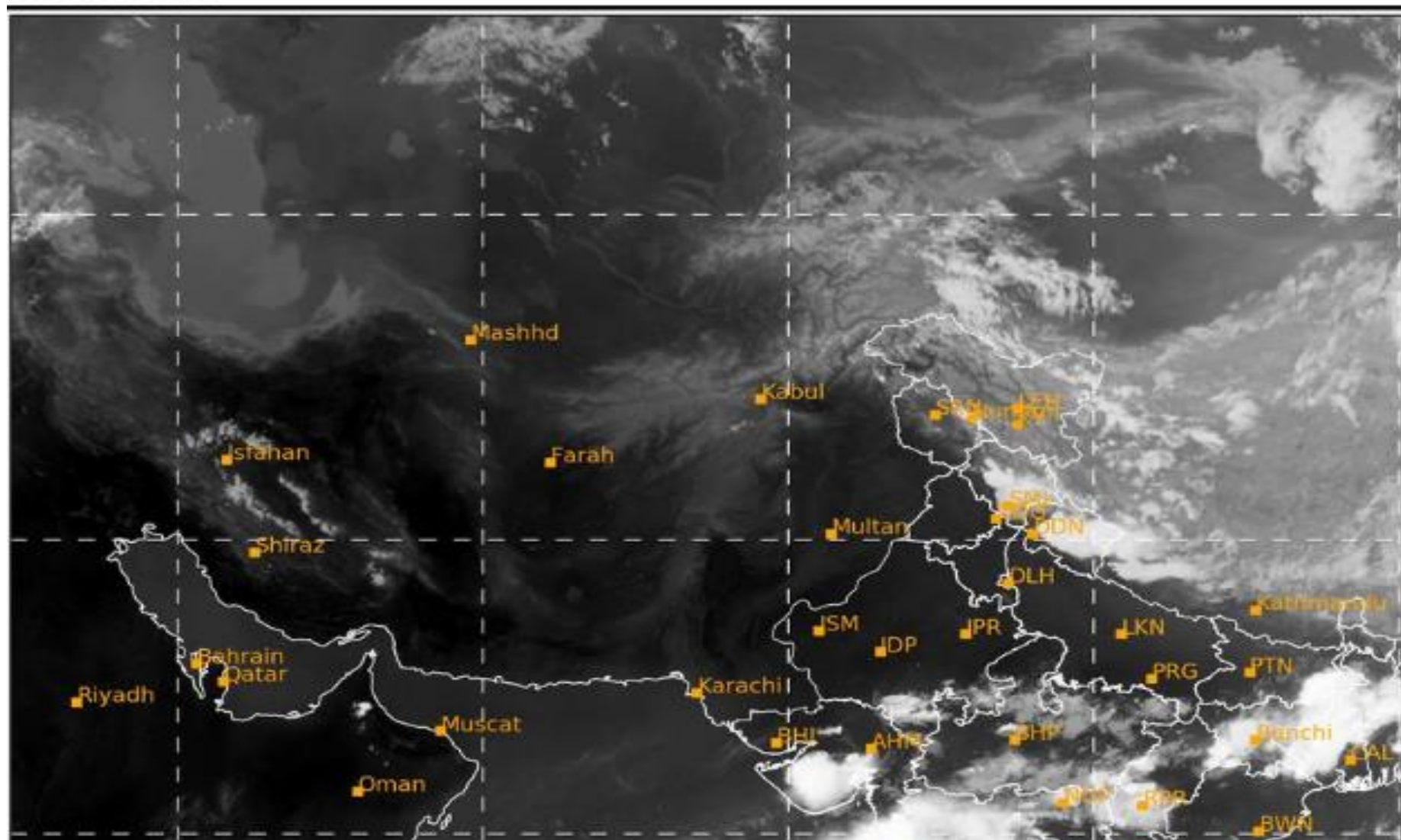
Age of lightning (minutes) 

Tue 05/20/2025, 07:10pm GMT+0430



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

20-05-2025/(1345 to 1412) GMT
20-05-2025/(1915 to 1942) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-05-20 14:15(UTC)

