



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



Daily reports of Satellite imagery analysis. Date & Time: 19/05/2025, 00:00 UTC, Number of reports: 985

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	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	√ weak	X	X	
7	Southeast	✓	✓	X	X	X	√ dry	X	X	
8	Northwest	✓	✓	X	X	X	√ weak	X	X	
9	Southwest	X	X	X	X	X	√ dry	X	X	

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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-05-18 14:15

AirMass



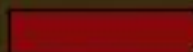
Thick,
high-level cloud



Thick,
mid-level cloud



Thick,
low-level cloud



Jet



Cold Airmass



Warm Airmass
(high UTH)

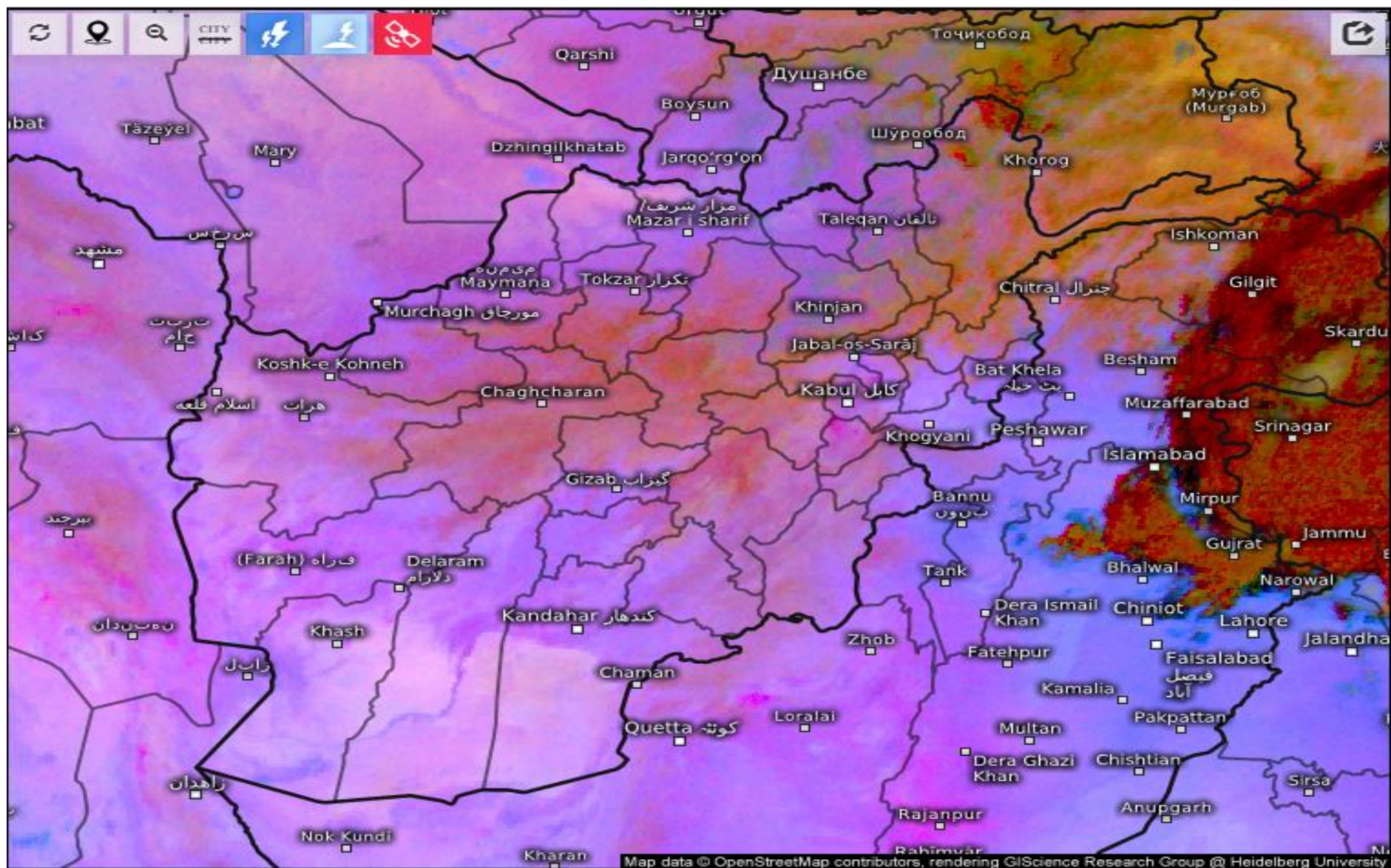


Warm Airmass
(low UTH)

R=
G=
B=

FY-4B AirMass RGB Composite (From WMO)



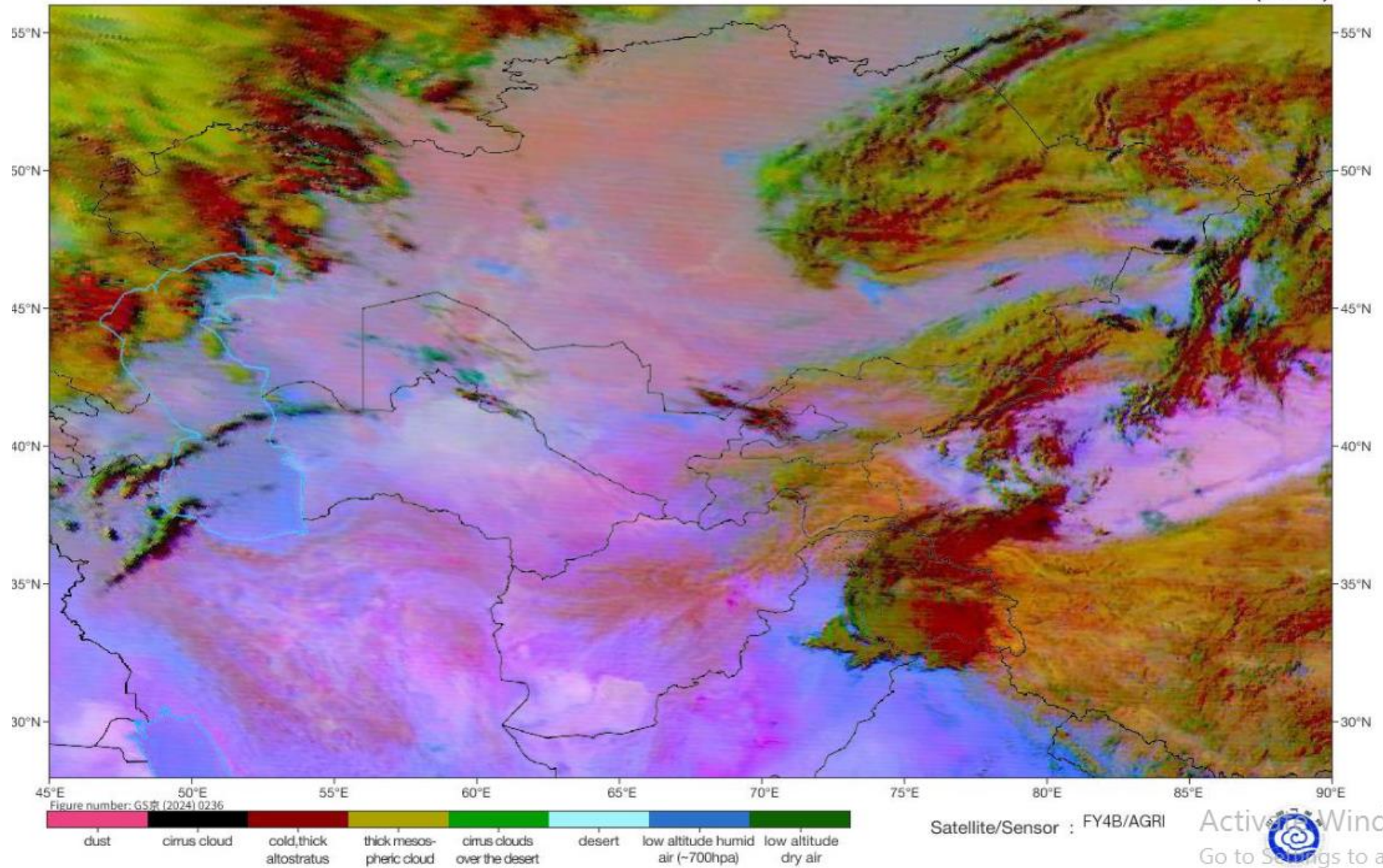


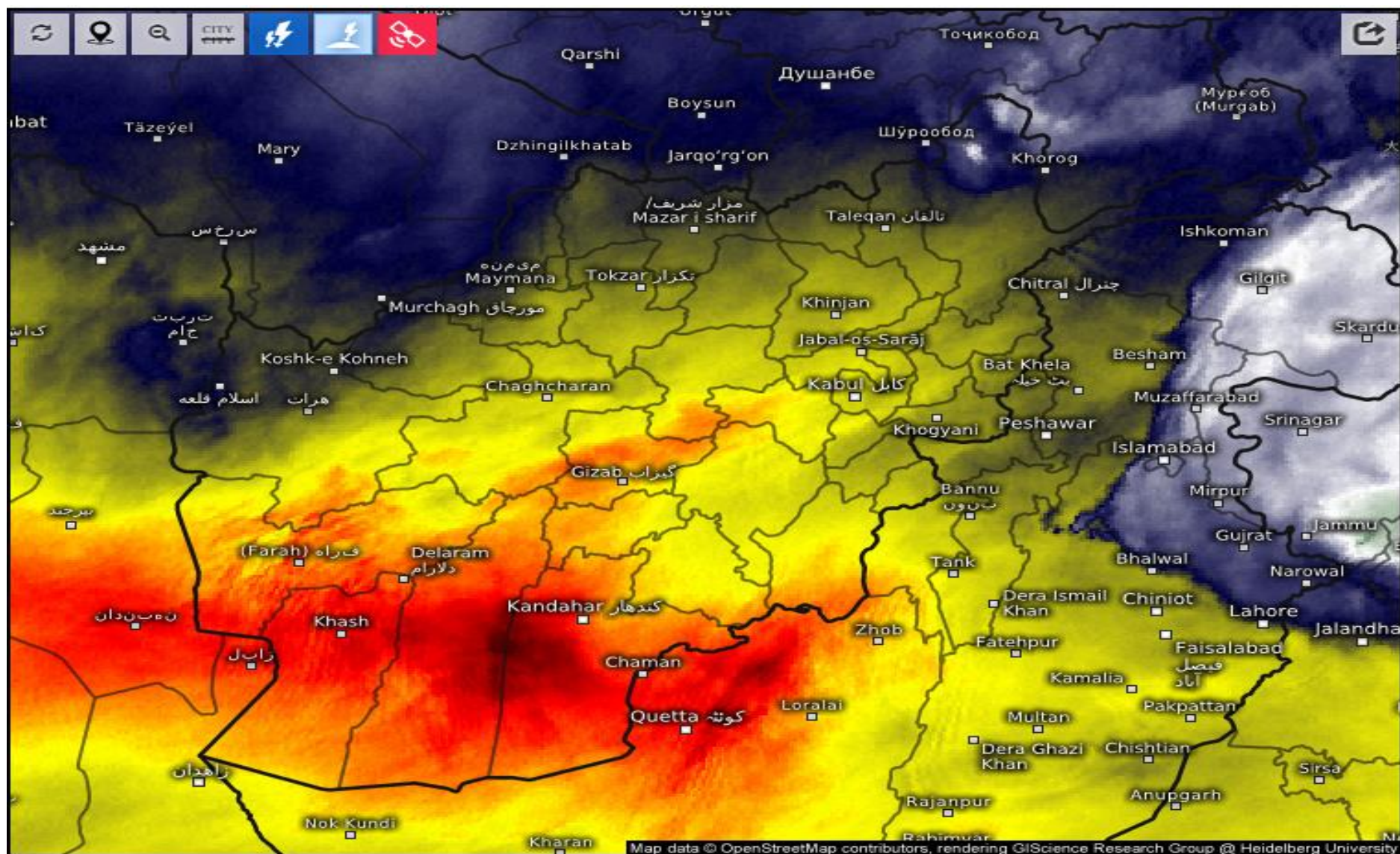
Satellite Dust 

Mon 05/19/2025, 04:00am GMT+0430

Sand And Dust Identification

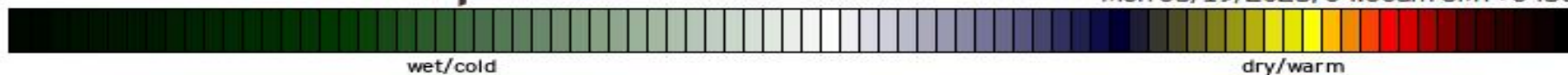
2025-05-18 23:30(UTC)





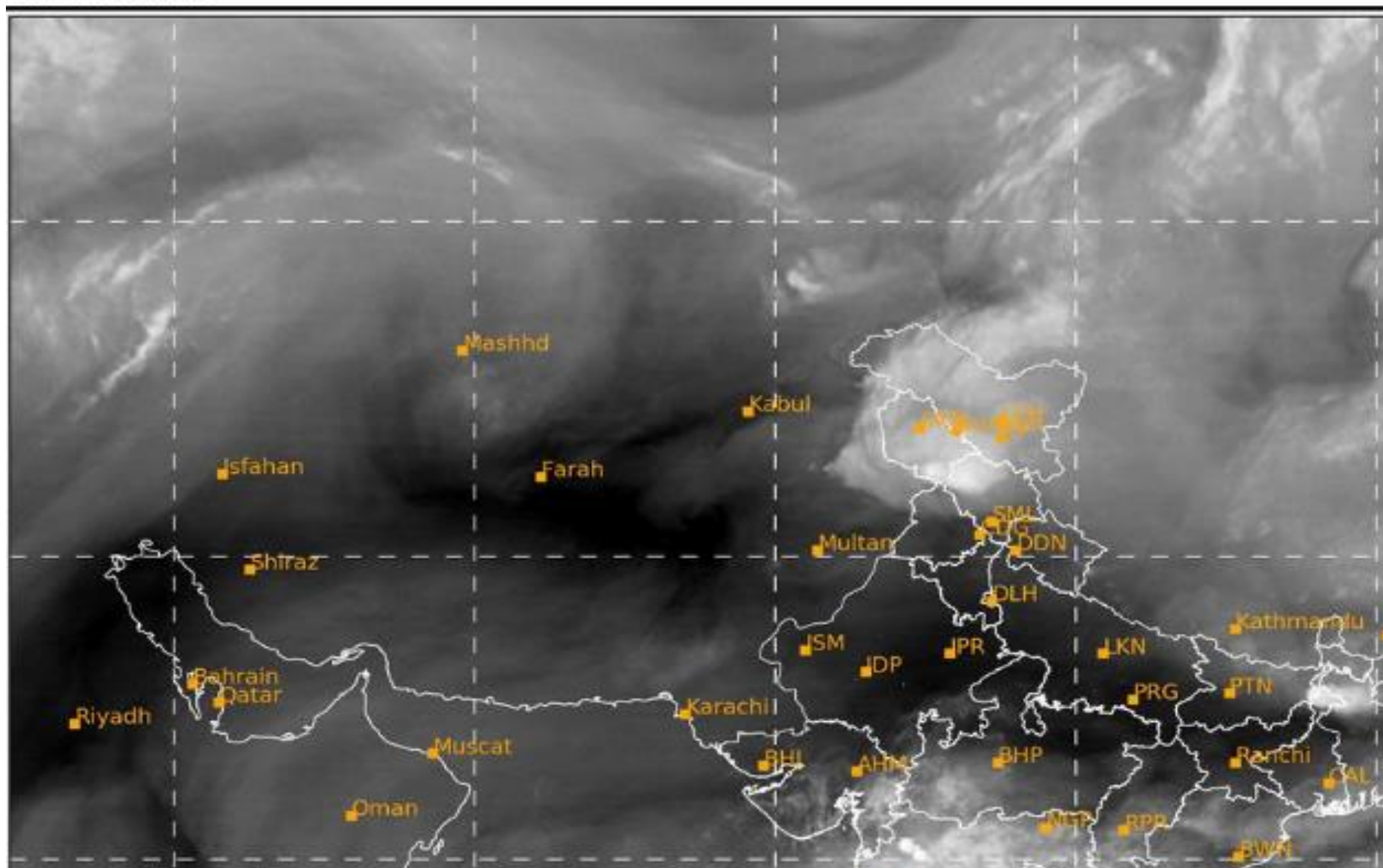
Satellite Water Vapor

Mon 05/19/2025, 04:00am GMT+0430



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

18-05-2025/(2245 to 2312) GMT
19-05-2025/(0415 to 0442) IST



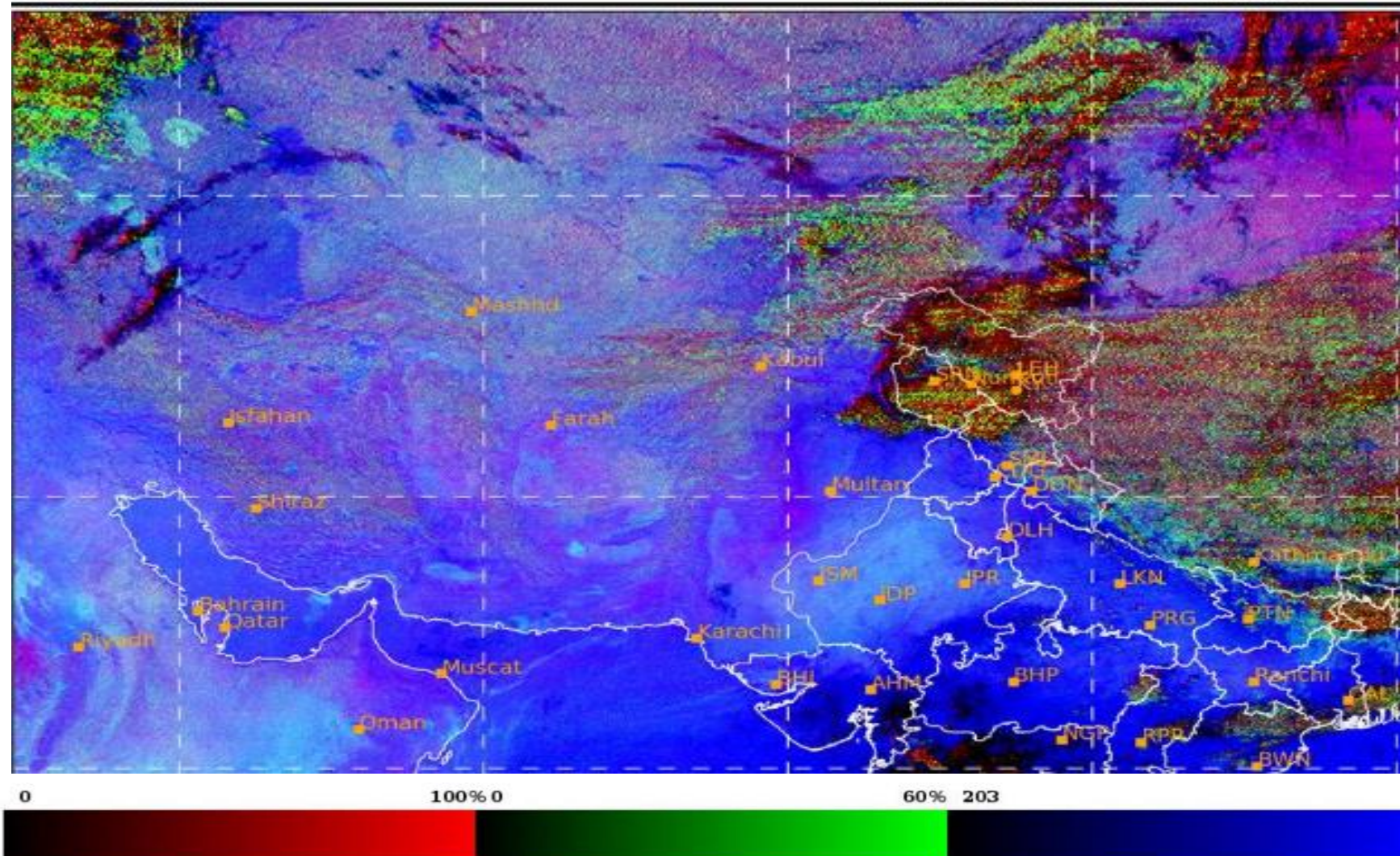
SAT : INSAT-3DR IMG

18-05-2025/(2245 to 2312) GMT

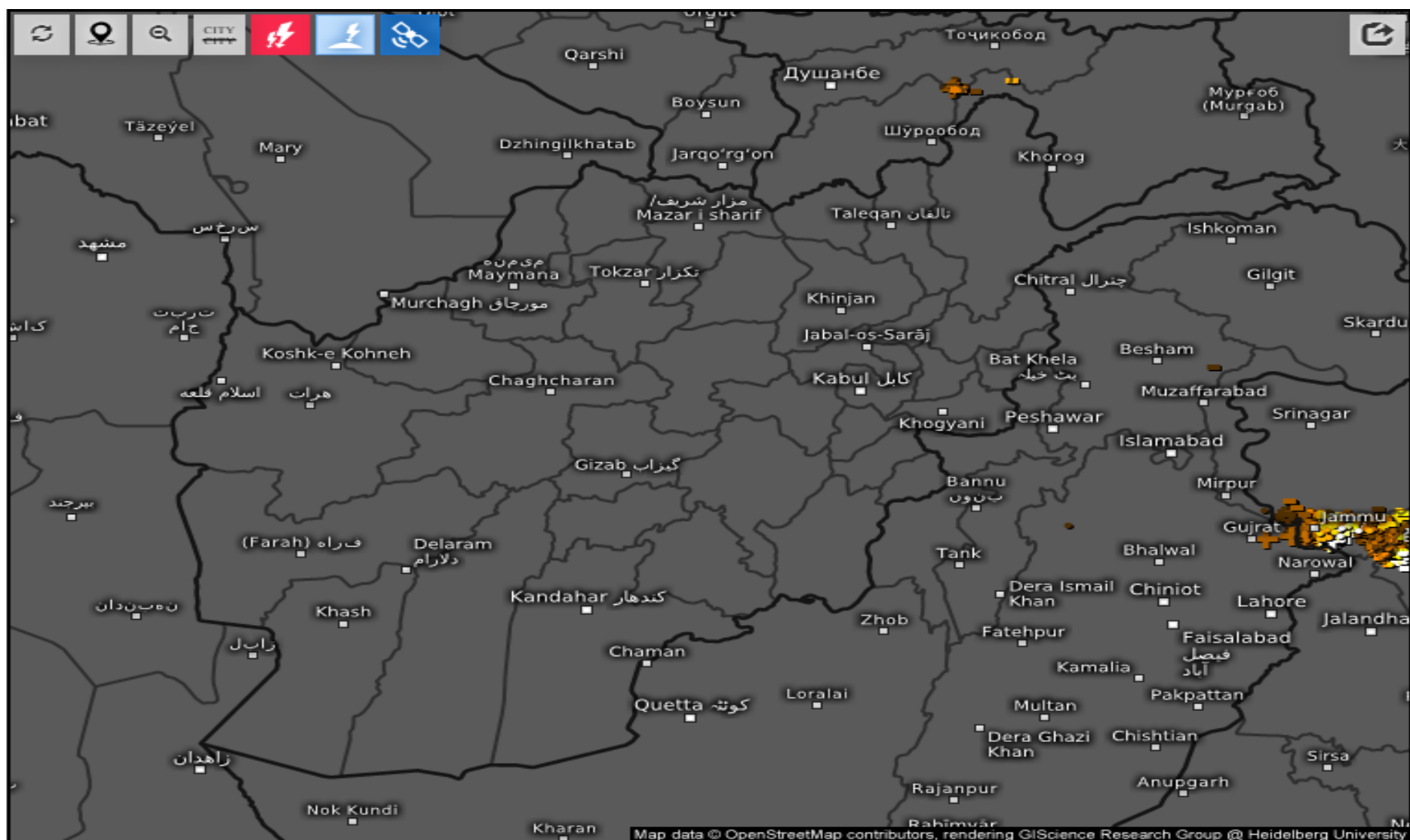
Night Microphysics: TIR2_BT-TIR1_BT (R), TIR1_BT-MIR_BT (G), TIR1_BT (B)

L1C Mercator

19-05-2025/(0415 to 0442) IST



Fog Low Clouds Mid Orographic Cloud CB Snow Dust



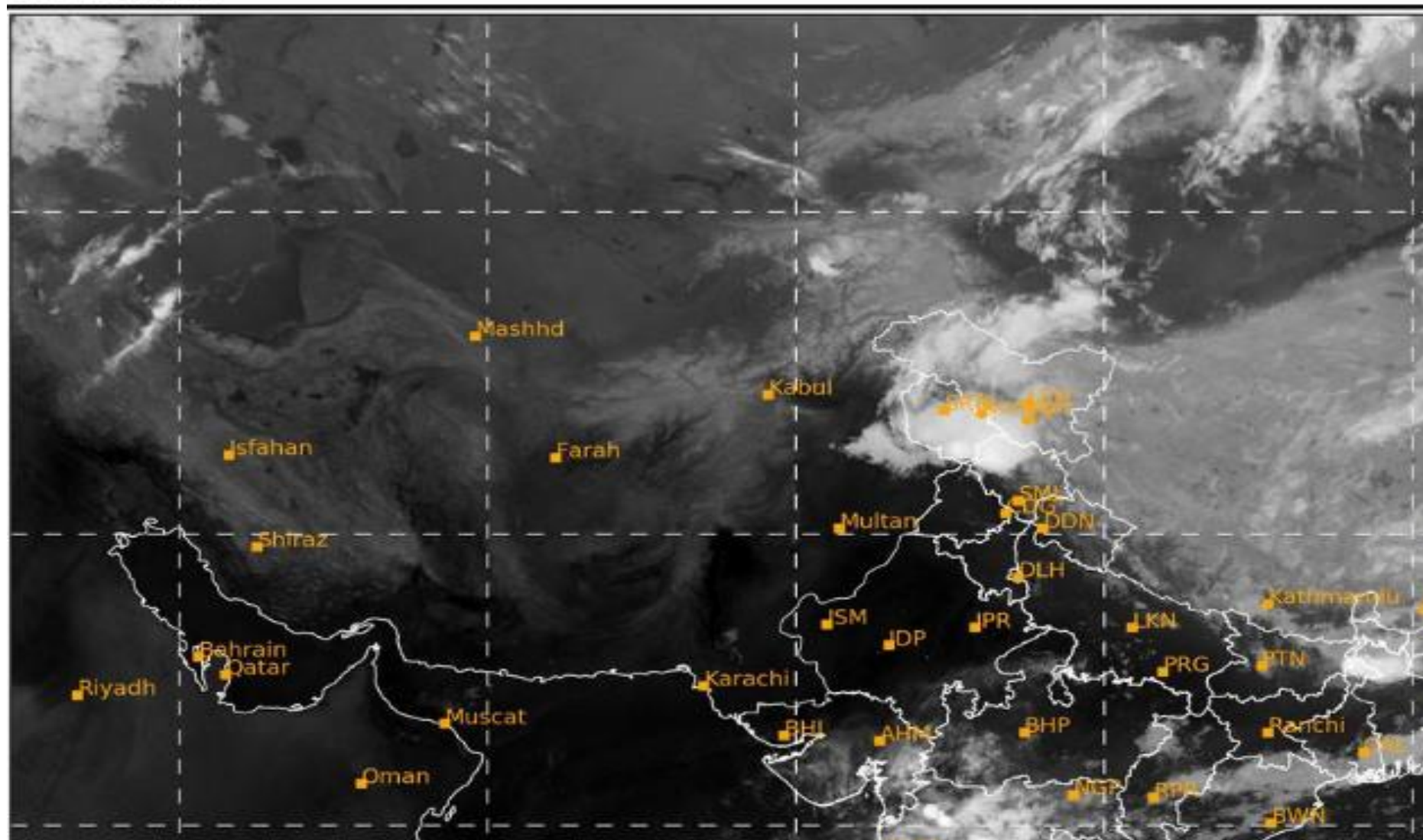
Age of lightning (minutes) 

Mon 05/19/2025, 04:00am GMT+0430



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

18-05-2025/(2245 to 2312) GMT
19-05-2025/(0415 to 0442) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-05-18 23:15(UTC)

