



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



Daily reports of Satellite imagery analysis. Date & Time: 21/05/2025, 00:00 UTC, Number of reports: 991

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

**Details:** According to satellite imagery analysis, the northern, southern, western, eastern, central, southeastern, southwestern 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)

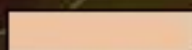
- Reported by: Esmatullah Mohammadi

UTC : 2025-05-20 14:15

AirMass



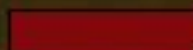
Thick,  
high-level cloud



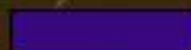
Thick,  
mid-level cloud



Thick,  
low-level cloud



Jet



Cold Airmass



Warm Airmass  
(high UTH)



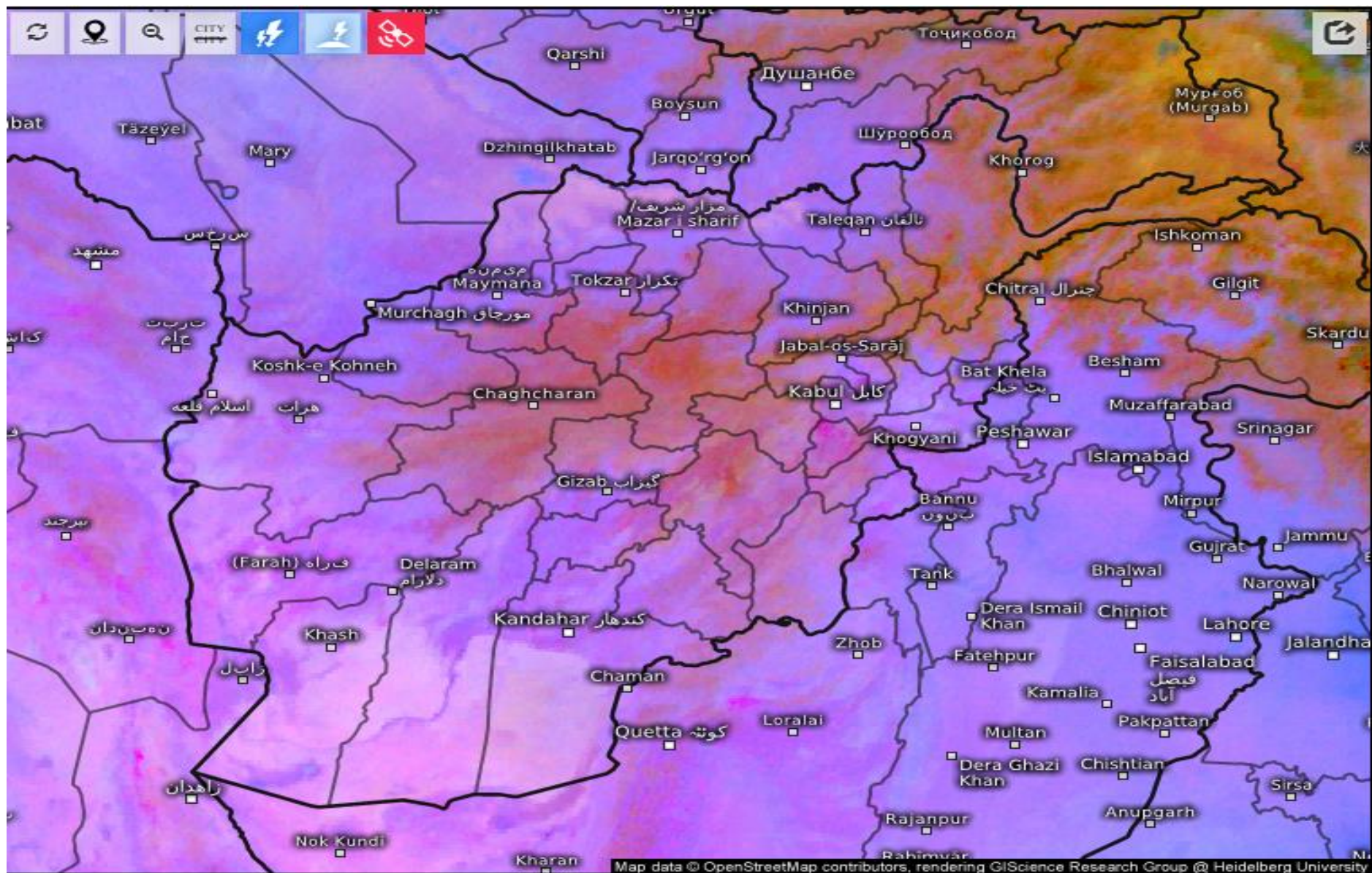
Warm Airmass  
(low UTH)

R =  
G =  
B =

FY-4B AirMass RGB Composite (From WMO)



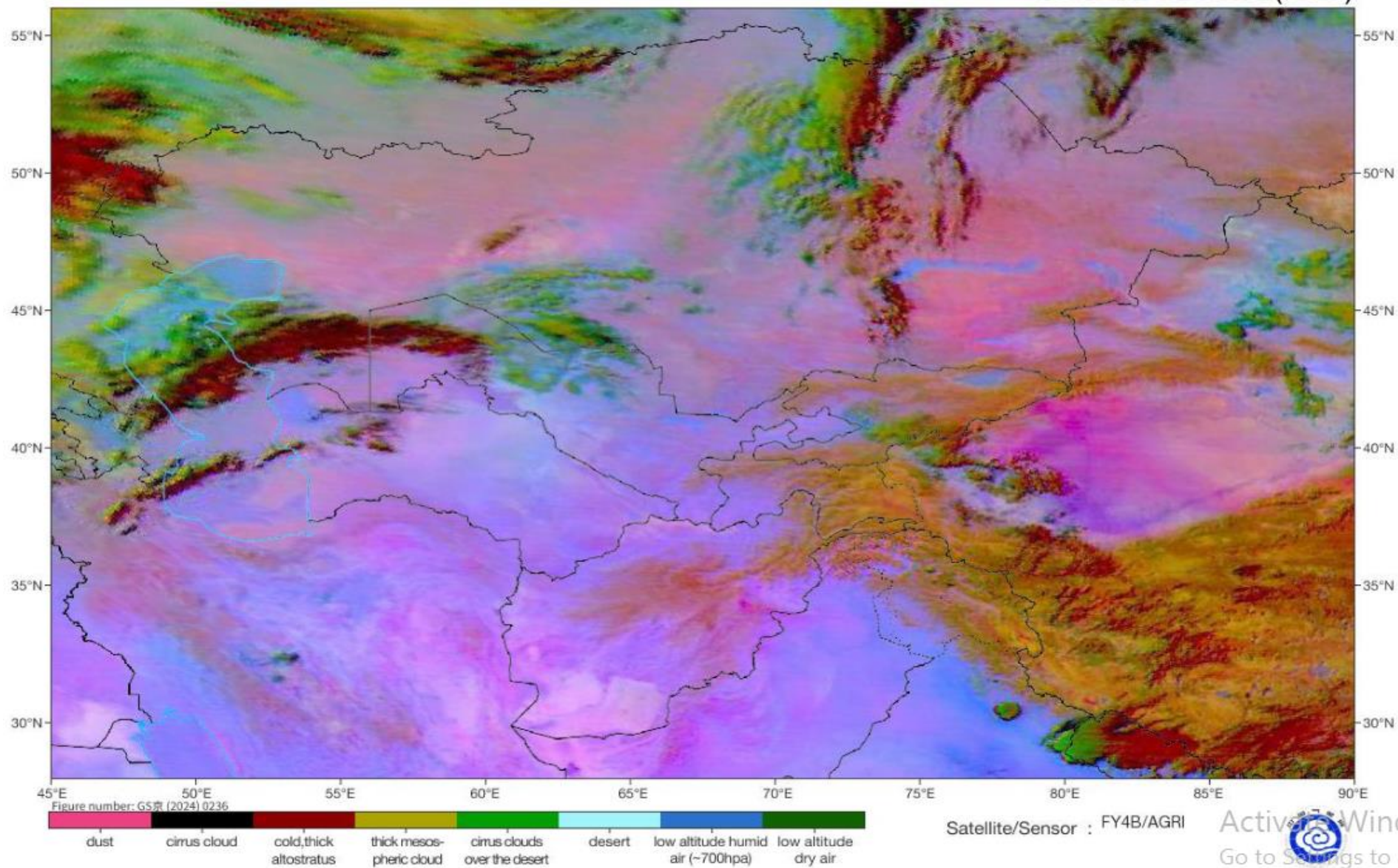






## Sand And Dust Identification

2025-05-20 23:30(UTC)





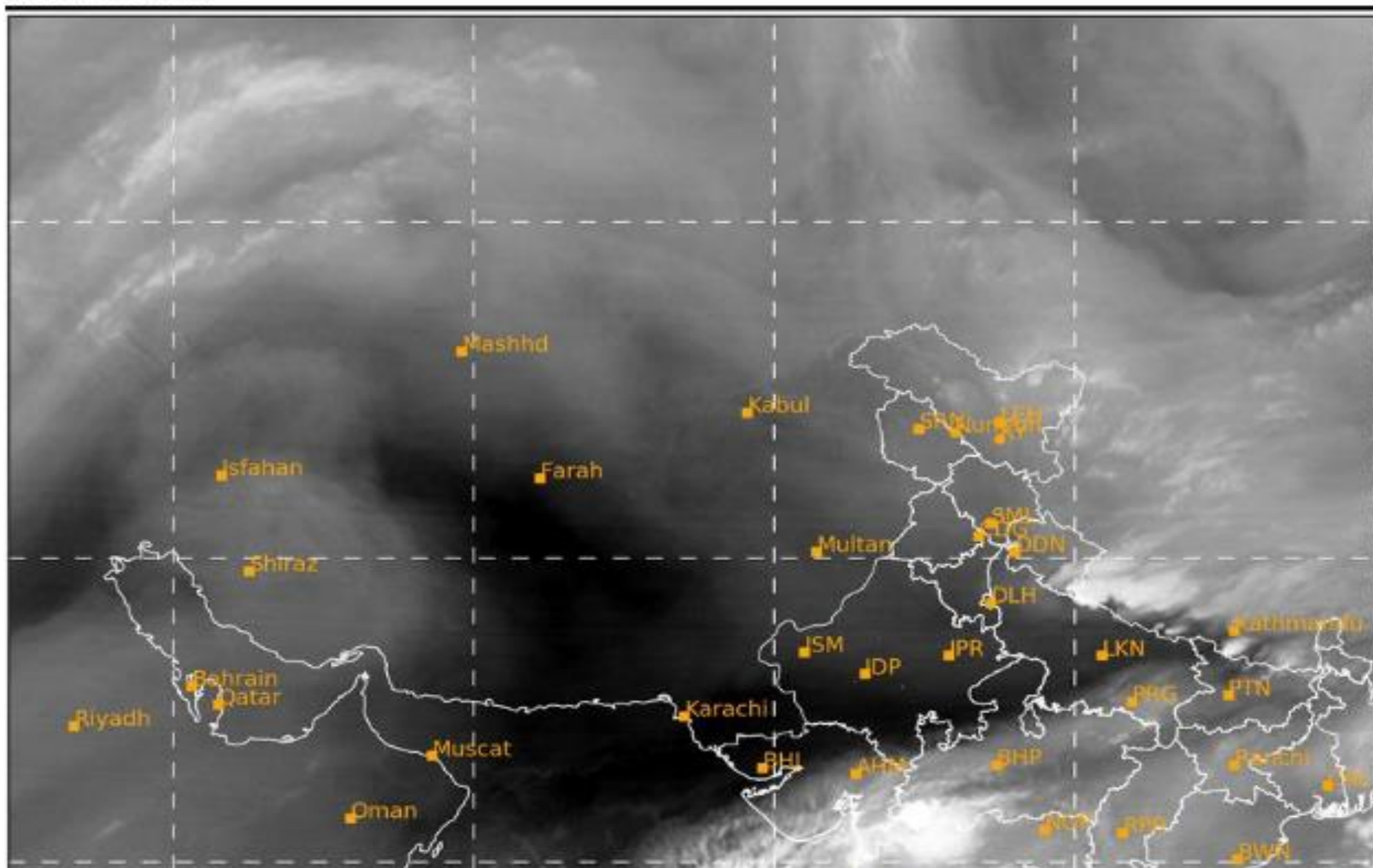


Wed 05/21/2025, 04:00am GMT+0430



L1C Mercator

21-05-2025/(0415 to 0442) IST





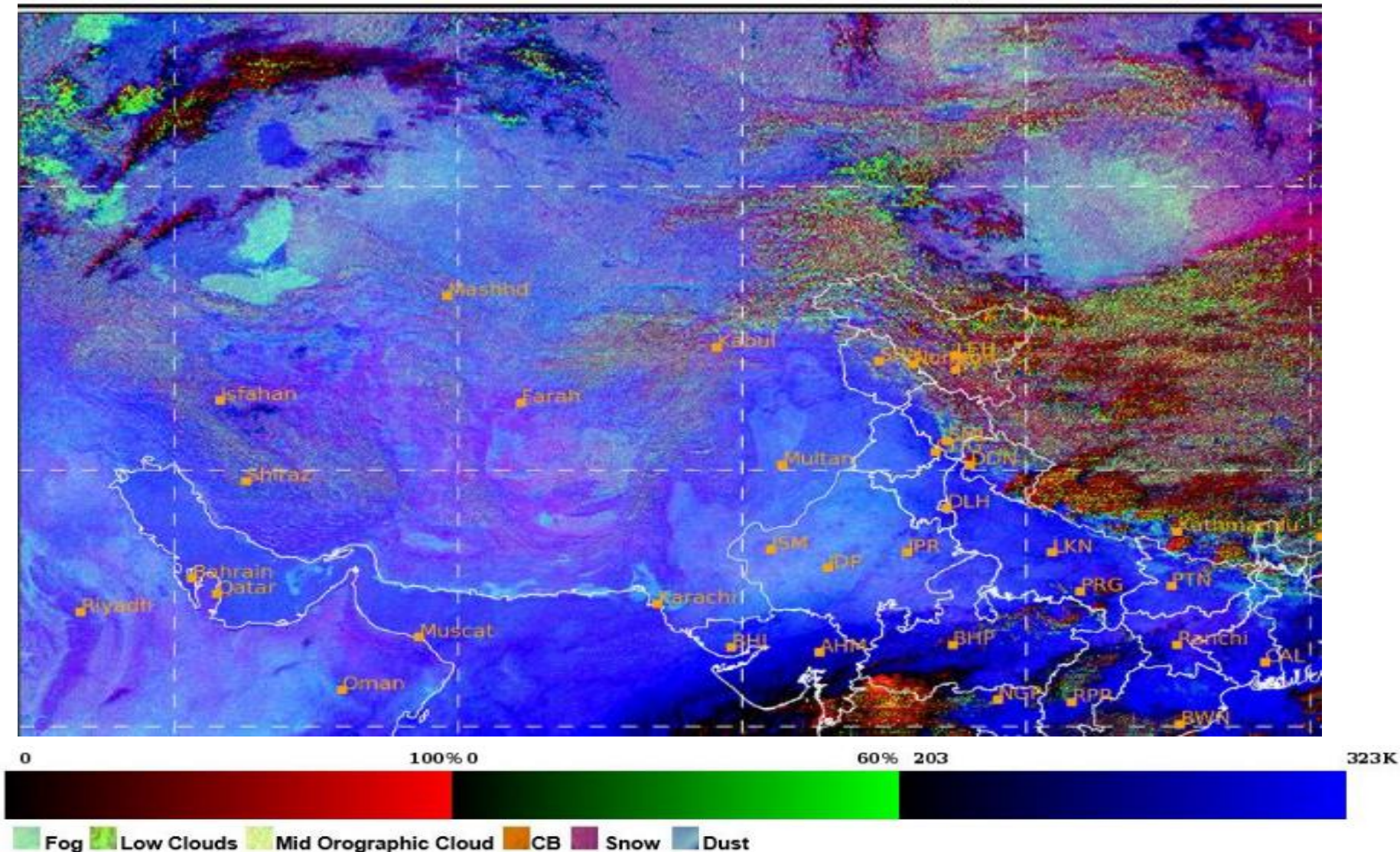
SAT : INSAT-3DR IMG

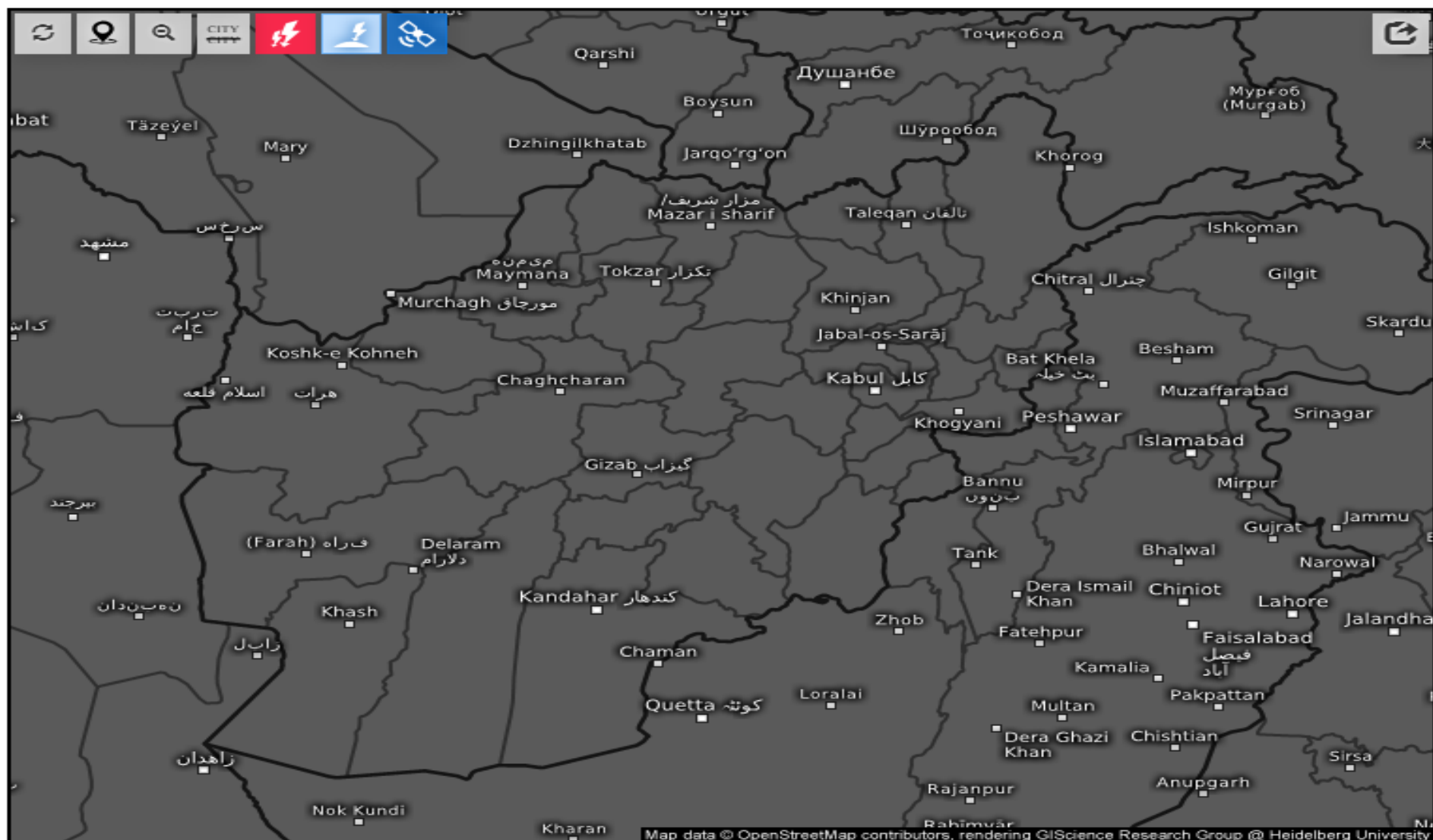
20-05-2025/(2245 to 2312) GMT

Night Microphysics: TIR2\_BT-TIR1\_BT (R), TIR1\_BT-MIR\_BT (G), TIR1\_BT (B)

L1C Mercator

21-05-2025/(0415 to 0442) IST





Age of lightning (minutes) 

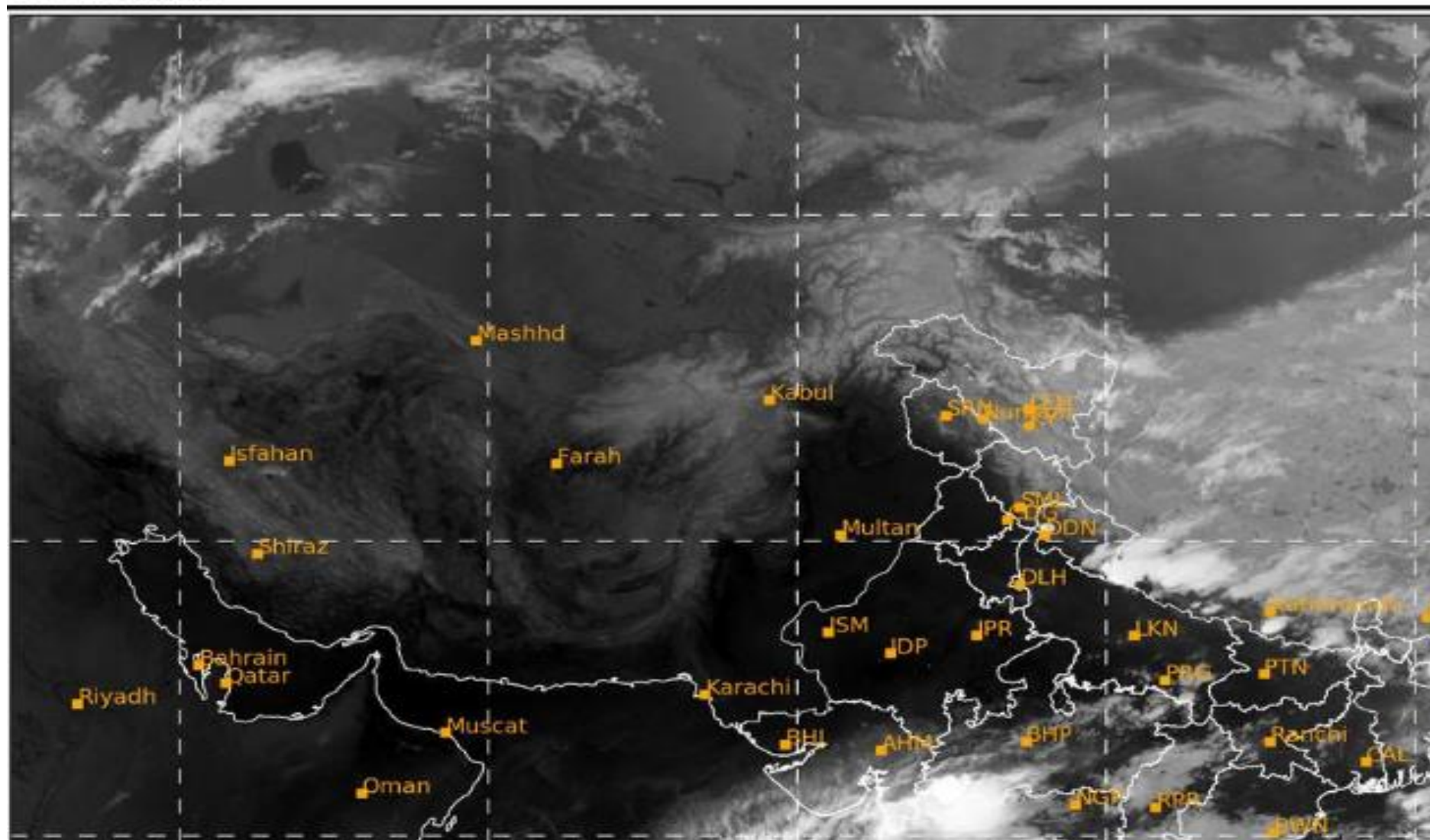
Wed 05/21/2025, 04:05am GMT+0430





SAT : INSAT-3DR IMG  
IMG\_TIR1 10.8 um  
L1C Mercator

20-05-2025/(2245 to 2312) GMT  
21-05-2025/(0415 to 0442) IST



## Live satellite map, Afghanistan





## Cloud Top Height

2025-05-20 23:15(UTC)

