



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



Daily reports of Satellite imagery analysis. Date & Time: 18/05/2025, 15:00 UTC, Number of reports: 984

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

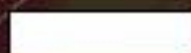
**Details:** According to satellite imagery analysis, the northern, southern, western, eastern, central, northeastern, southeastern and northwestern areas have warm air mass (High UTH). The western, central, southeastern and northwestern areas have dust. The eastern areas have lightning. The northern,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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-05-18 05:30

AirMass



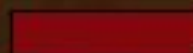
Thick,  
high-level cloud



Thick,  
mid-level cloud



Thick,  
low-level cloud



Jet



Cold Airmass



Warm Airmass  
(high UTH)



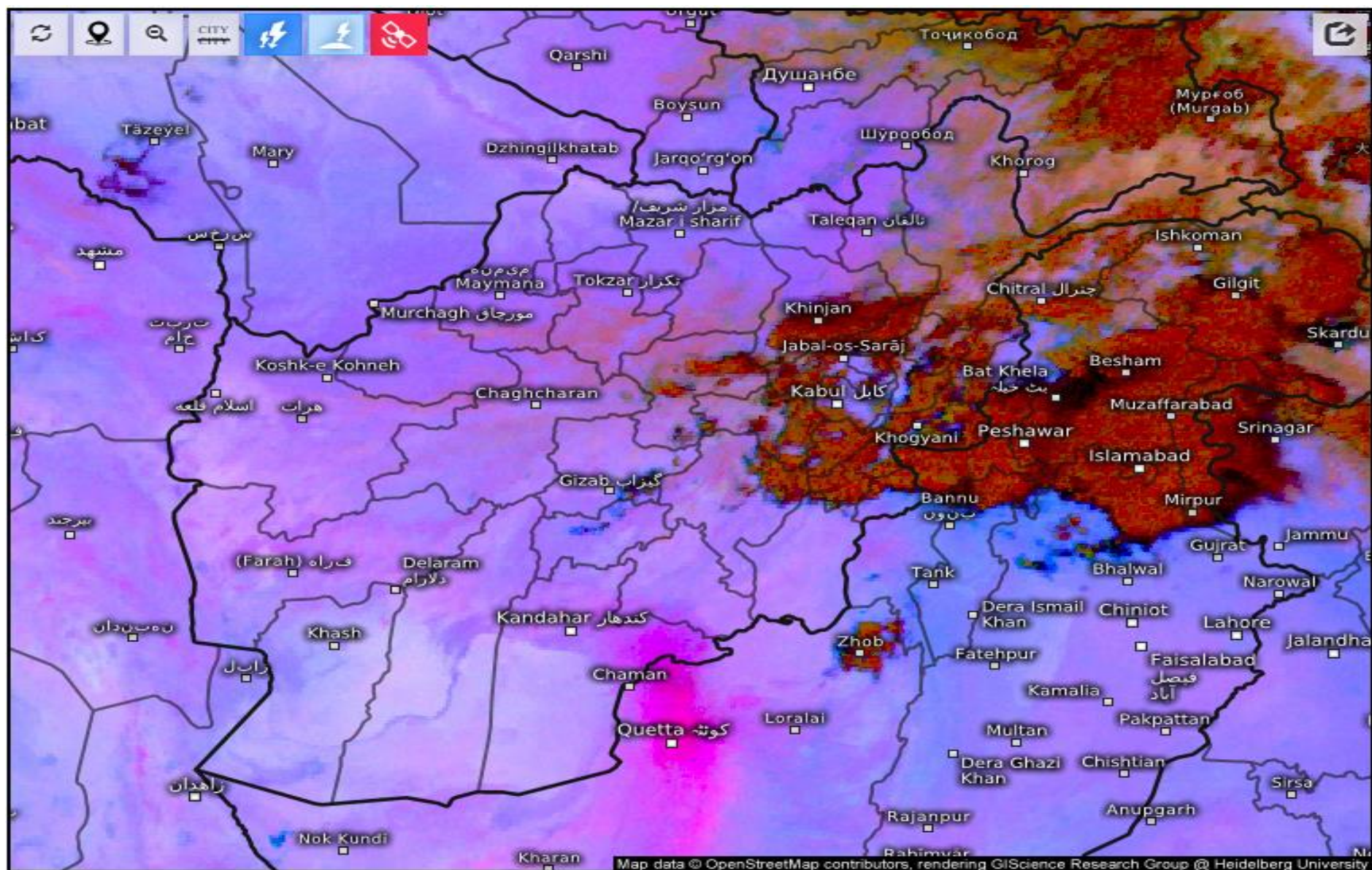
Warm Airmass  
(low UTH)

R =  
G =  
B =

FY-4B AirMass RGB Composite (From WMO)







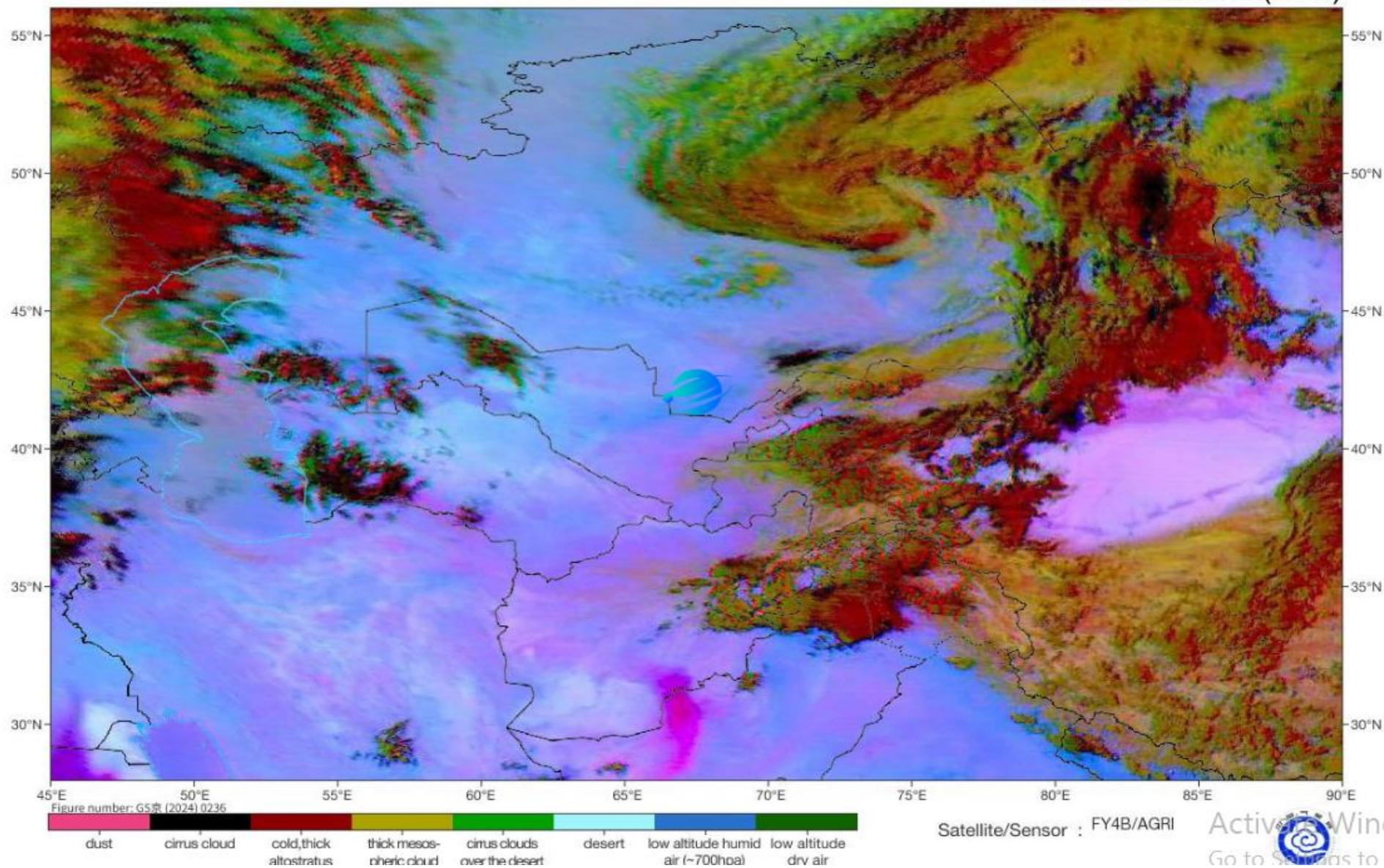
**Satellite Dust** 

Sun 05/18/2025, 07:00pm GMT+0430



## Sand And Dust Identification

2025-05-18 14:30(UTC)



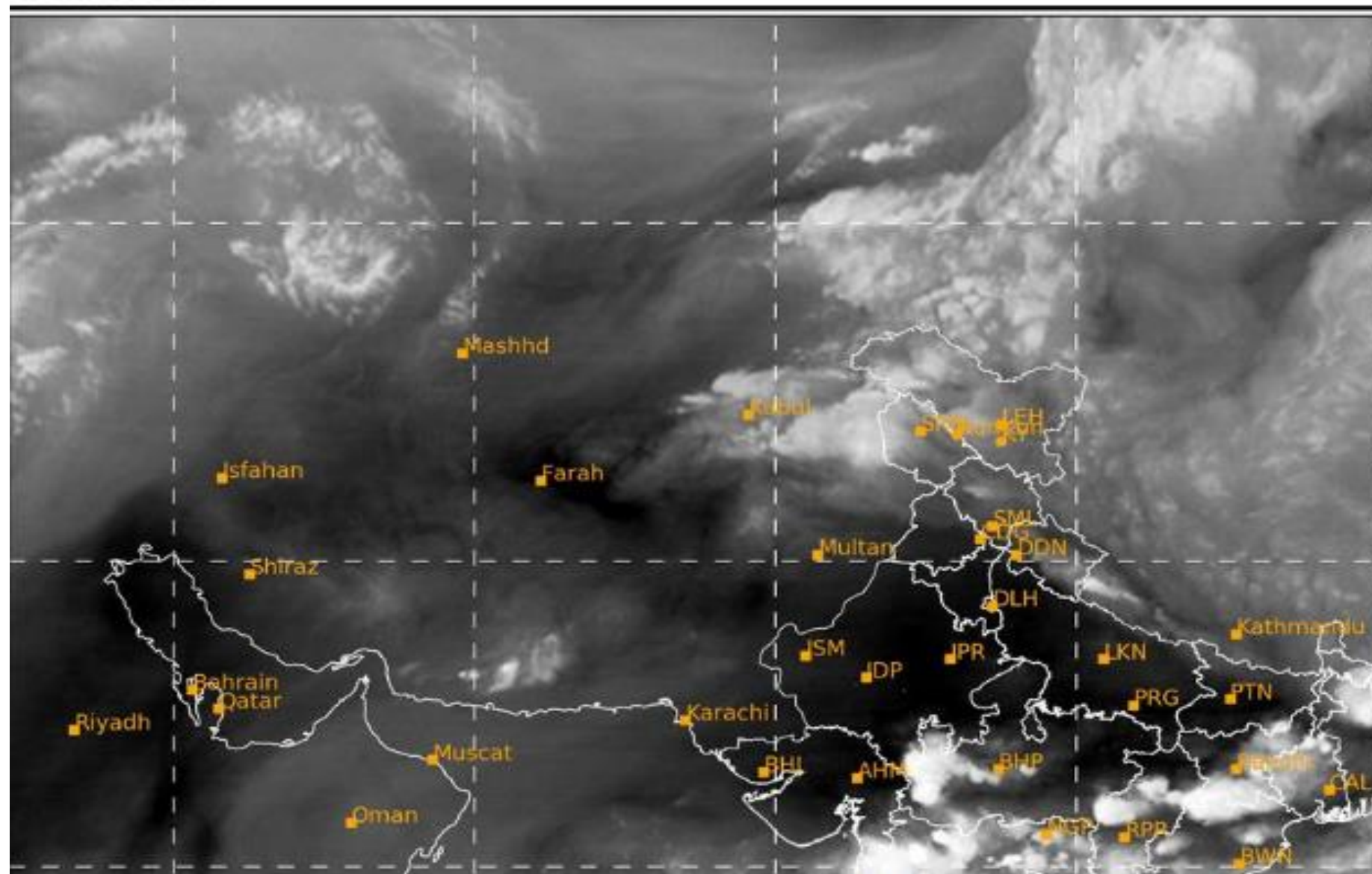






SAT : INSAT-3DR IMG  
IMG\_WV 6.8 um  
L1C Mercator

18-05-2025/(1345 to 1412) GMT  
18-05-2025/(1915 to 1942) IST



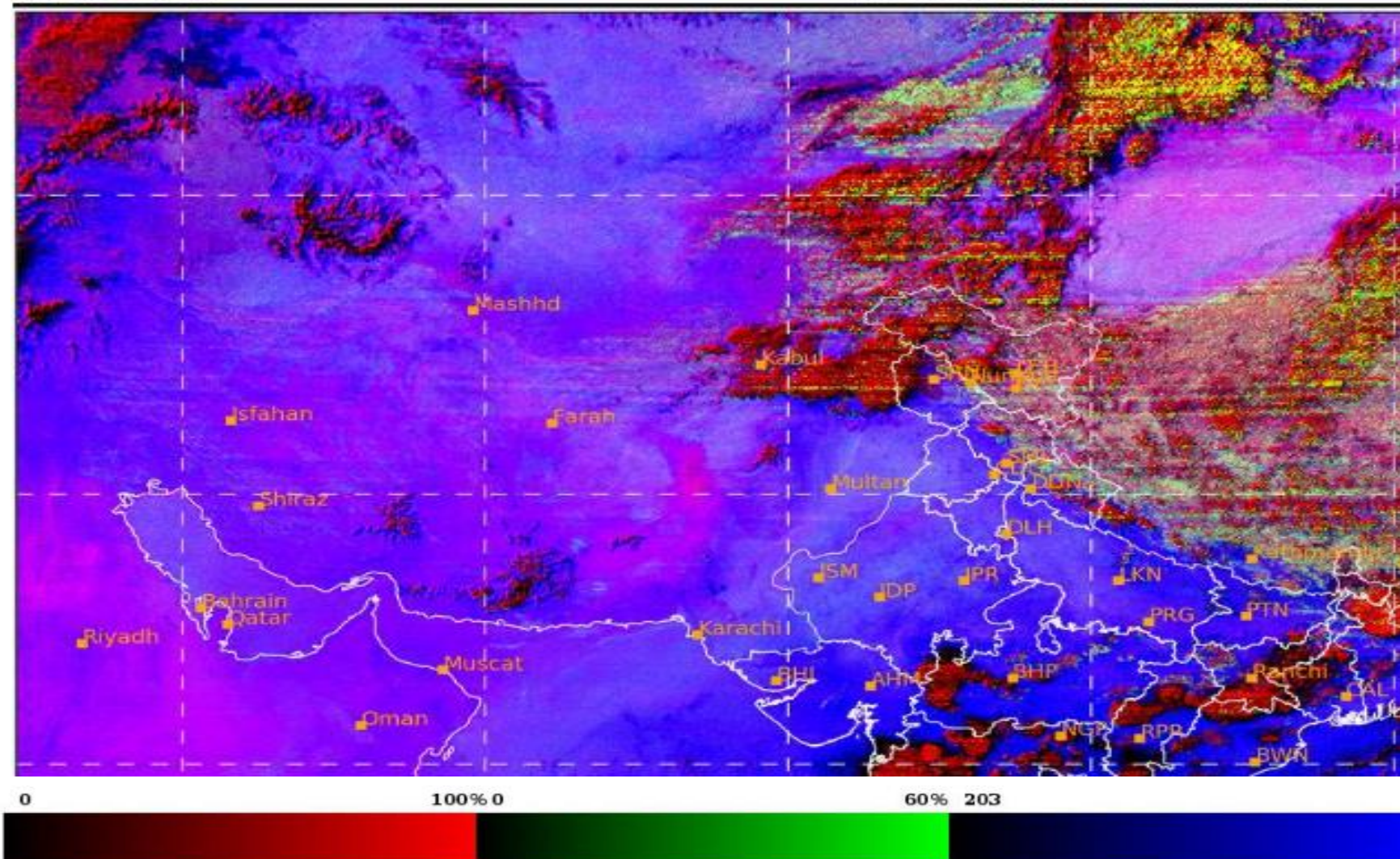
SAT : INSAT-3DR IMG

18-05-2025/(1345 to 1412) GMT

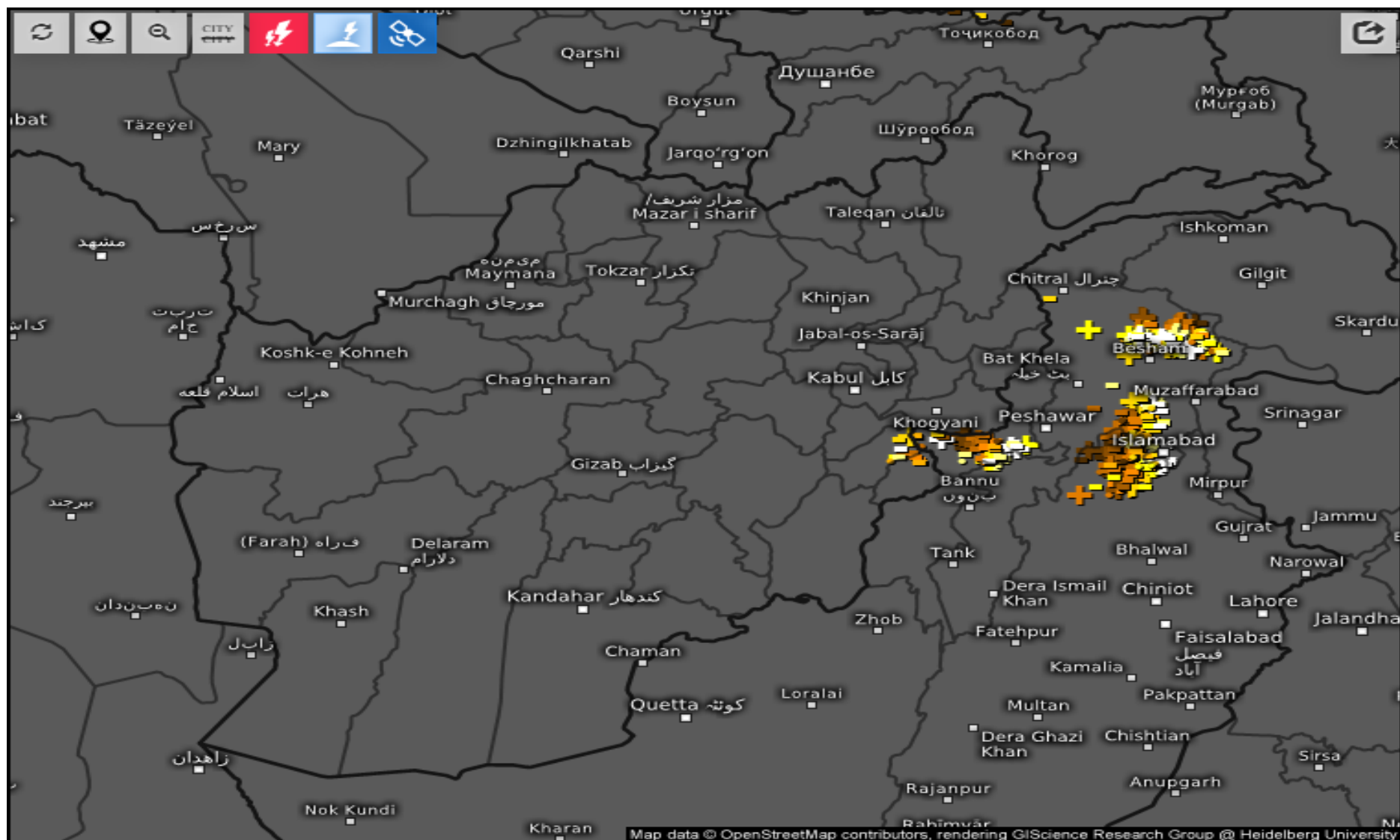
Night Microphysics: TIR2\_BT-TIR1\_BT (R), TIR1\_BT-MIR\_BT (G), TIR1\_BT (B)

L1C Mercator

18-05-2025/(1915 to 1942) IST







Age of lightning (minutes) 

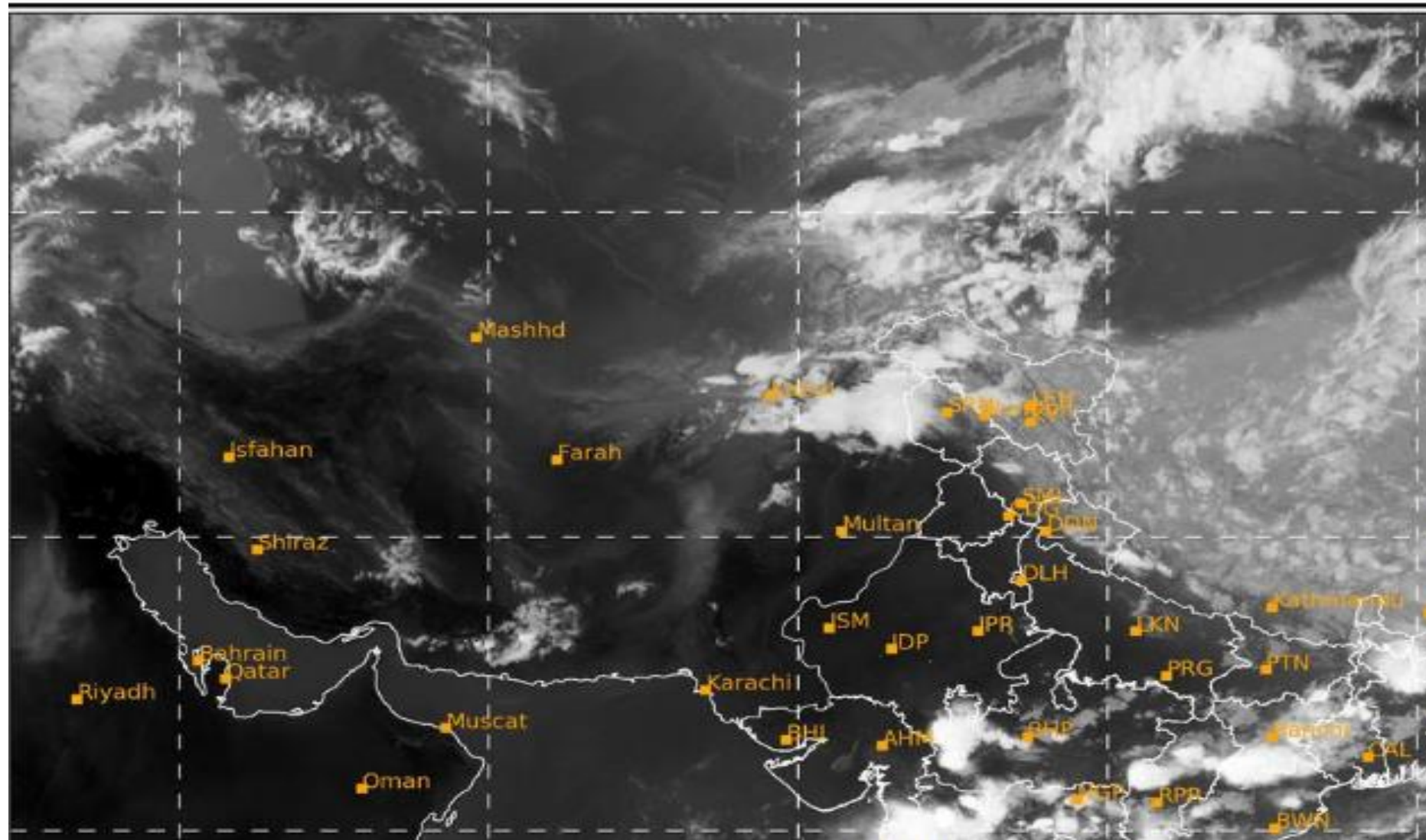
Sun 05/18/2025, 07:10pm GMT+0430





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

18-05-2025/(1345 to 1412) GMT  
18-05-2025/(1915 to 1942) IST



## Live satellite map, Afghanistan





# Cloud Top Height

2025-05-18 14:15(UTC)

