



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



Daily reports of Satellite imagery analysis. Date & Time: 23/05/2025, 15:00 UTC, Number of reports: 997

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

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

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

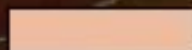
- Reported by: Esmatullah Mohammadi

UTC : 2025-05-23 05:30

AirMass



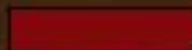
Thick,  
high-level cloud



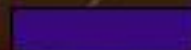
Thick,  
mid-level cloud



Thick,  
low-level cloud



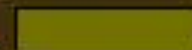
Jet



Cold Airmass



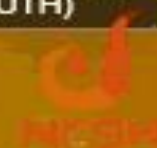
Warm Airmass  
(high UTH)

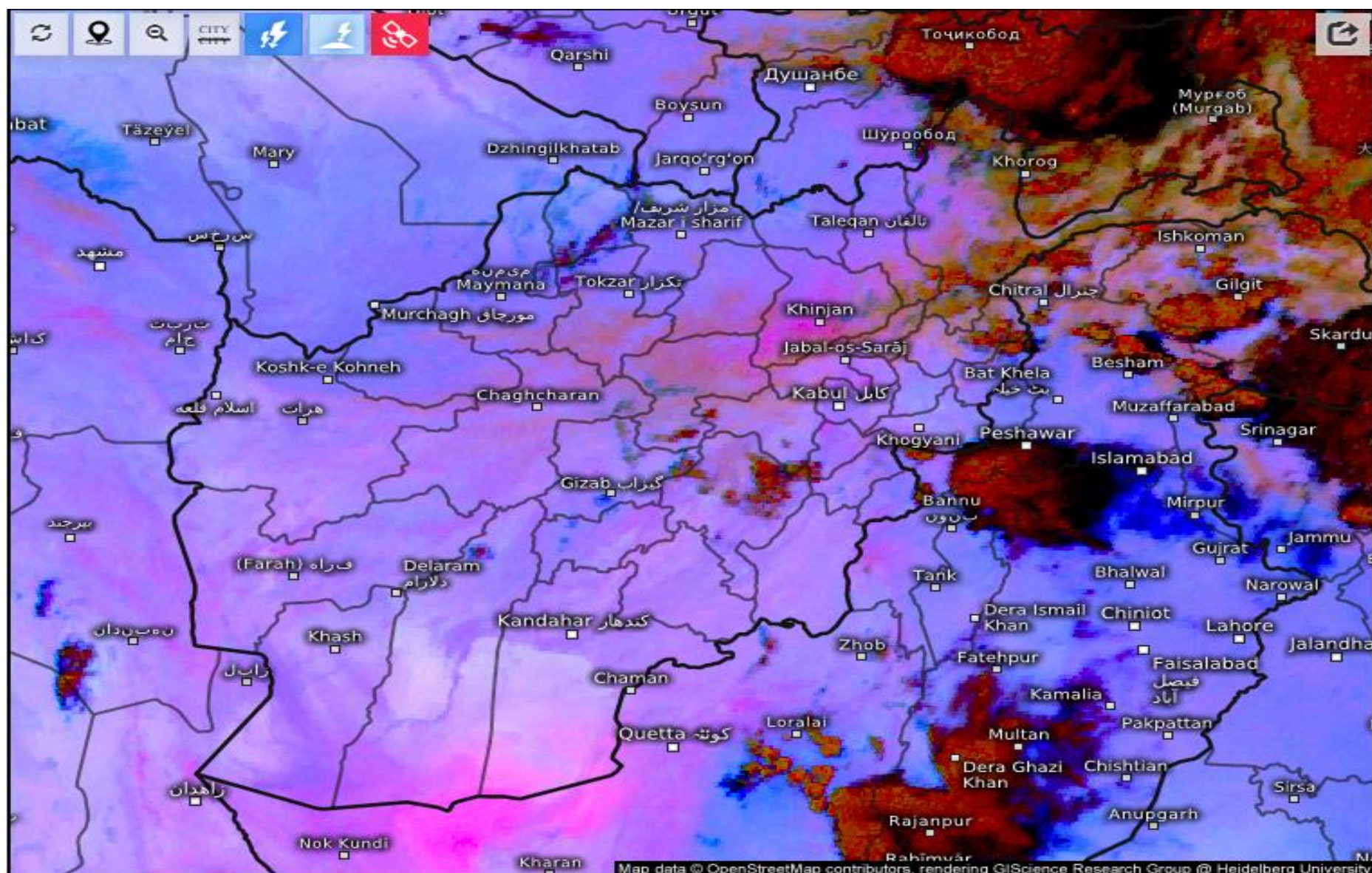


Warm Airmass  
(low UTH)

R =  
G =  
B =

FY-4B AirMass RGB Composite (From WMO)



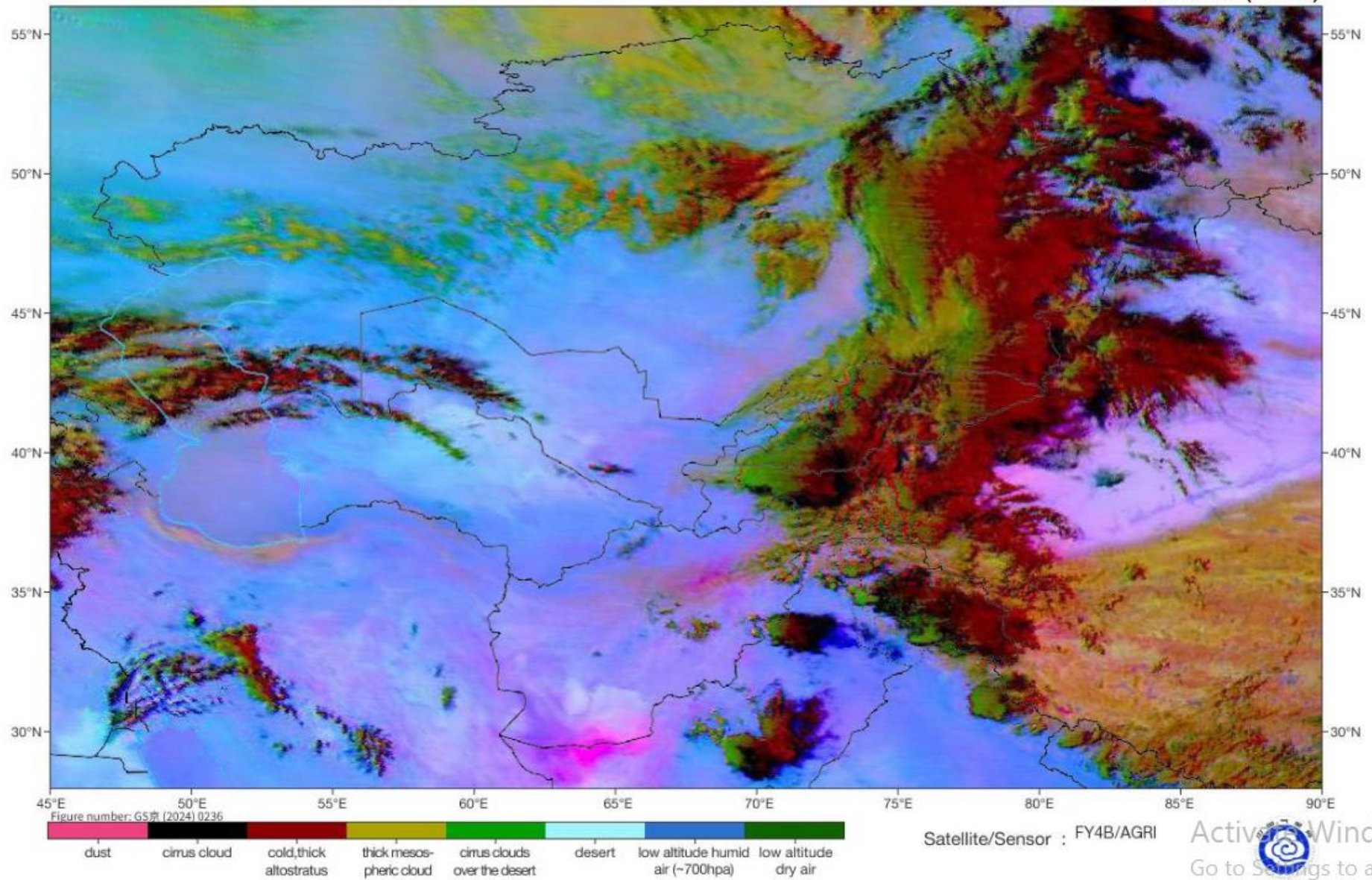


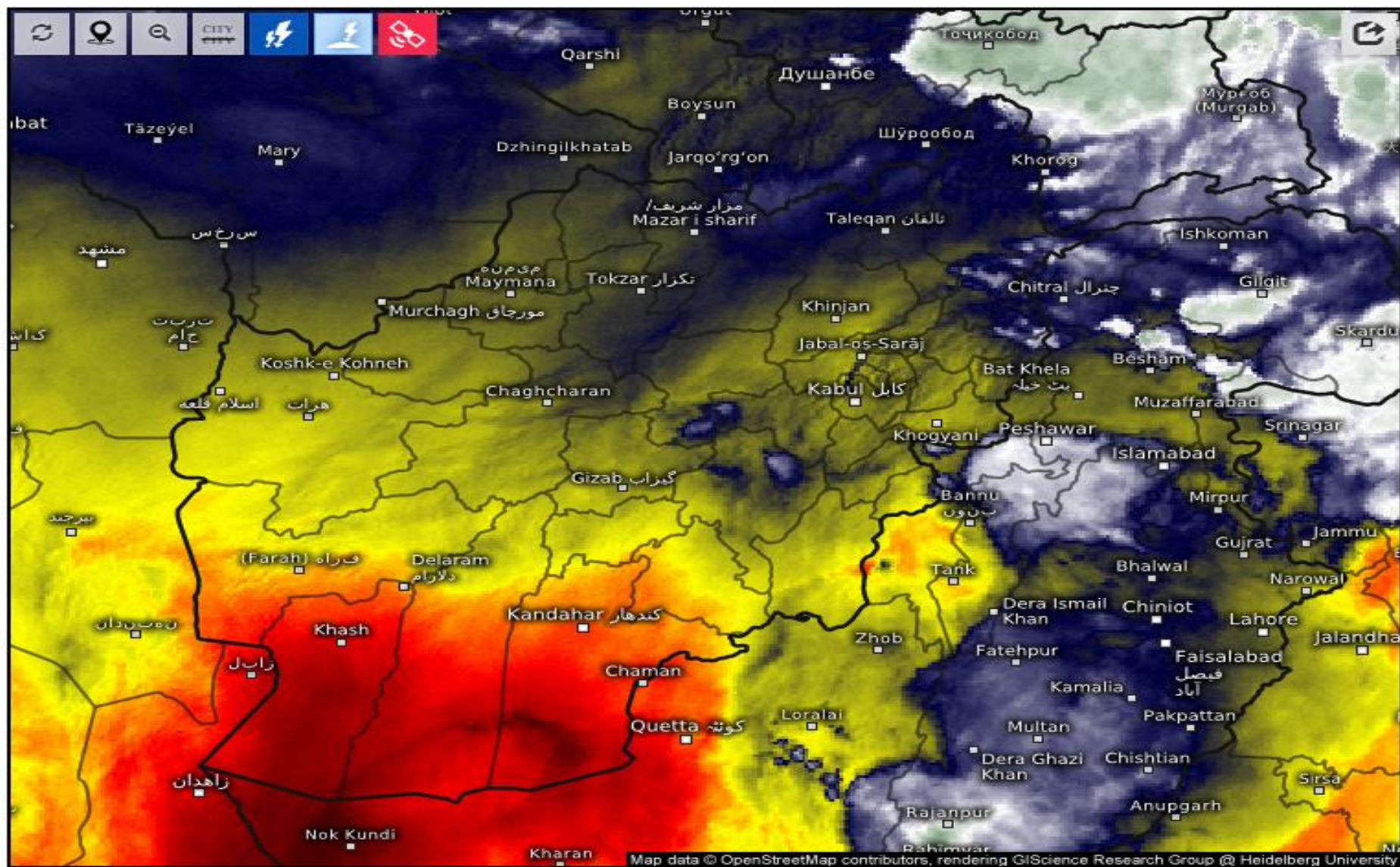
Satellite Dust 

Fri 05/23/2025, 07:00pm GMT+0430

## Sand And Dust Identification

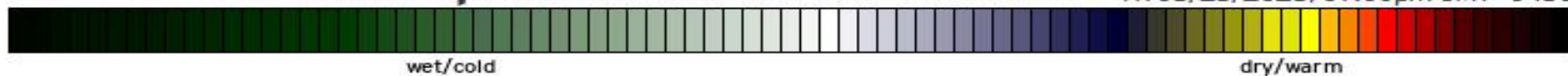
2025-05-23 14:30(UTC)





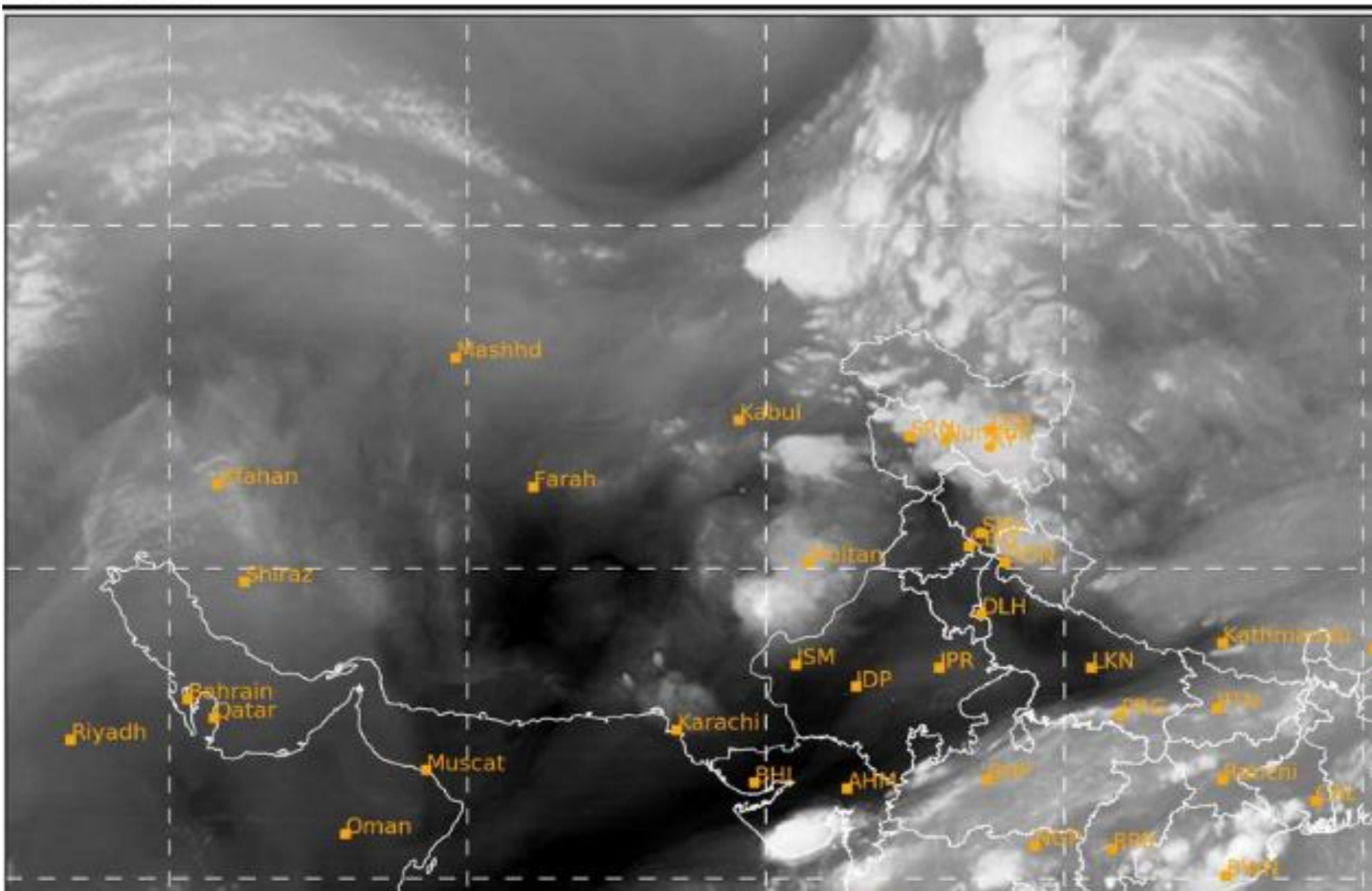
## Satellite Water Vapor

Fri 05/23/2025, 07:00pm GMT+0430



L1C Mercator

23-05-2025/(1915 to 1942) IST



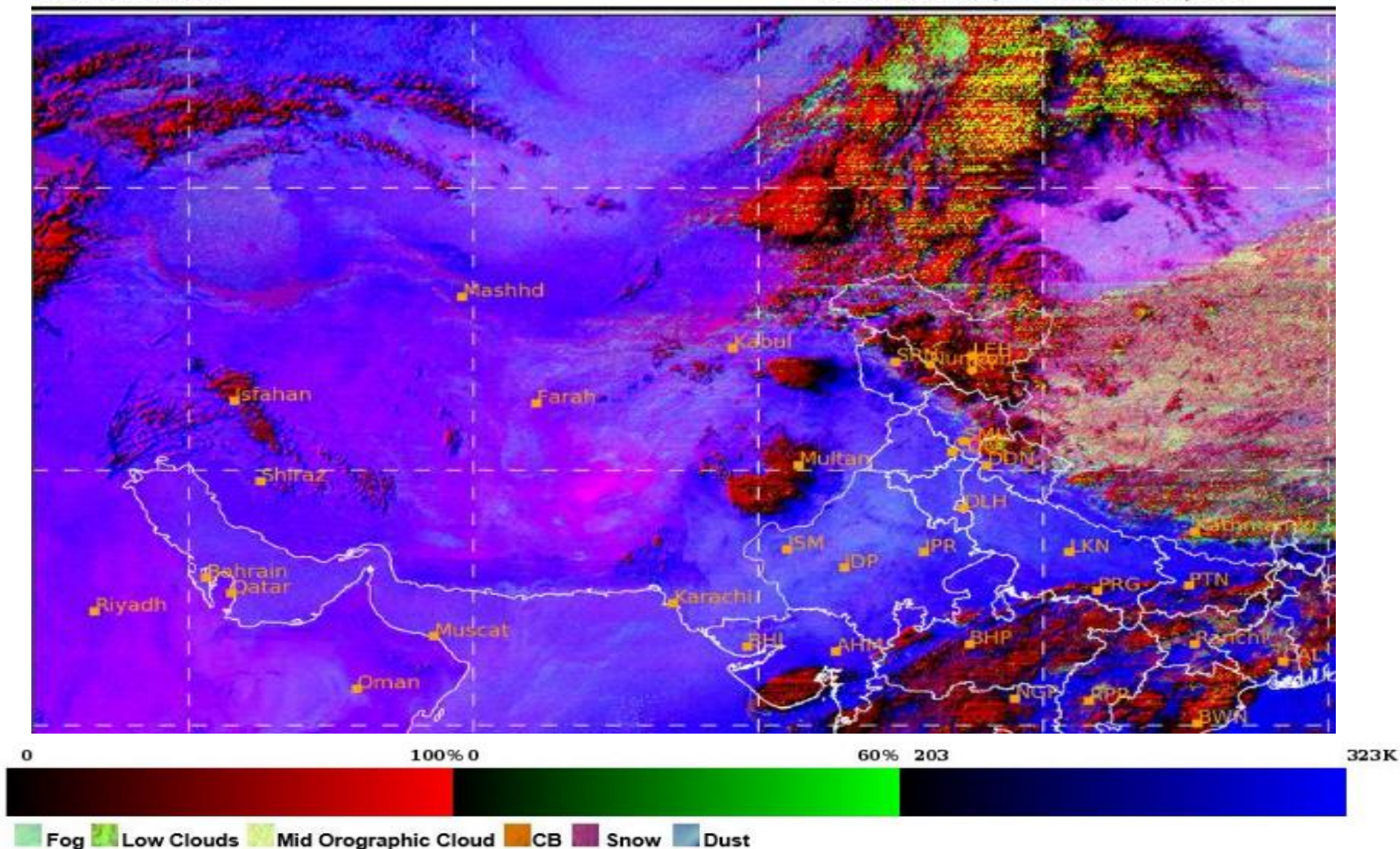
SAT : INSAT-3DR IMG

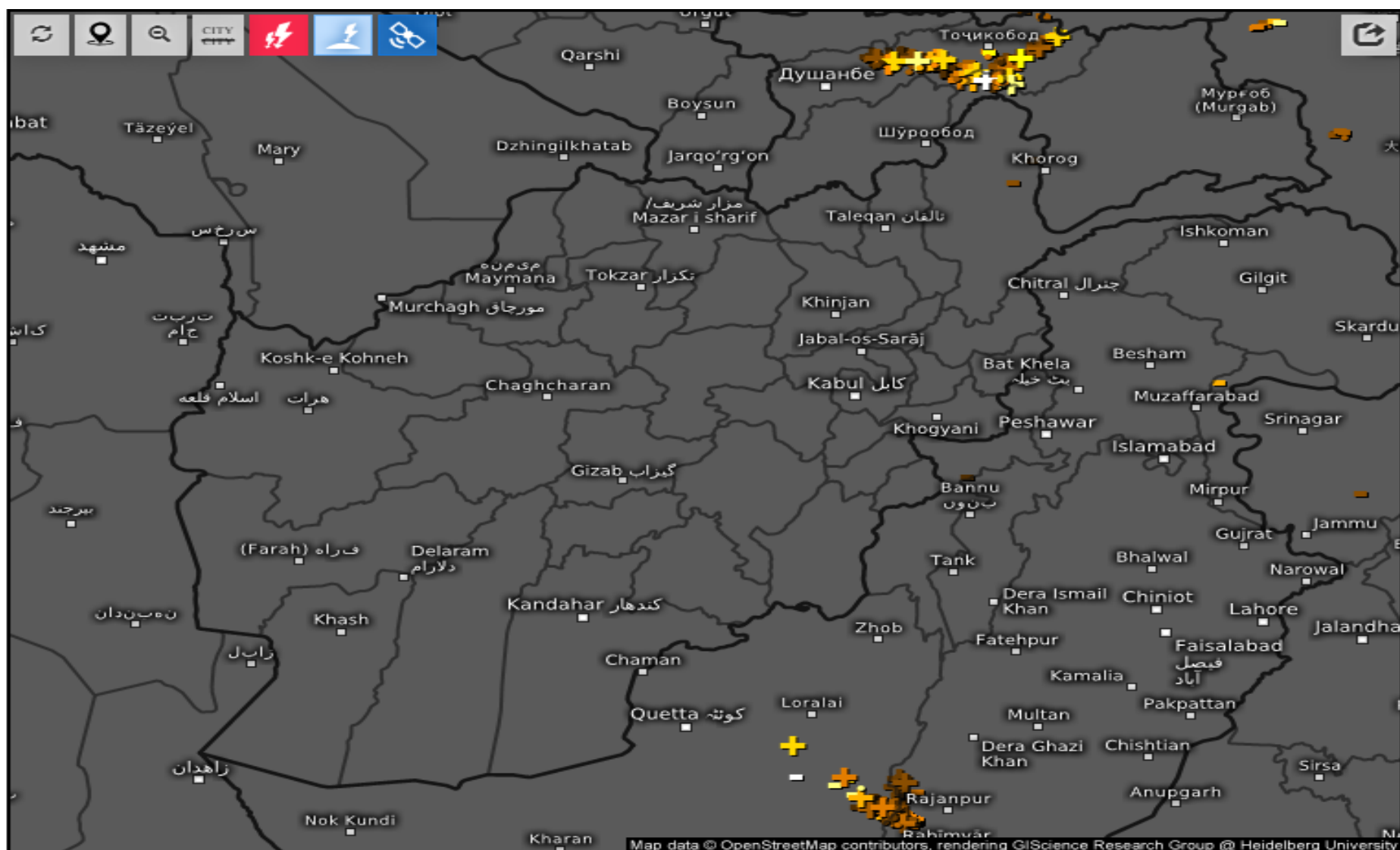
23-05-2025/(1345 to 1412) GMT

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

L1C Mercator

23-05-2025/(1915 to 1942) IST





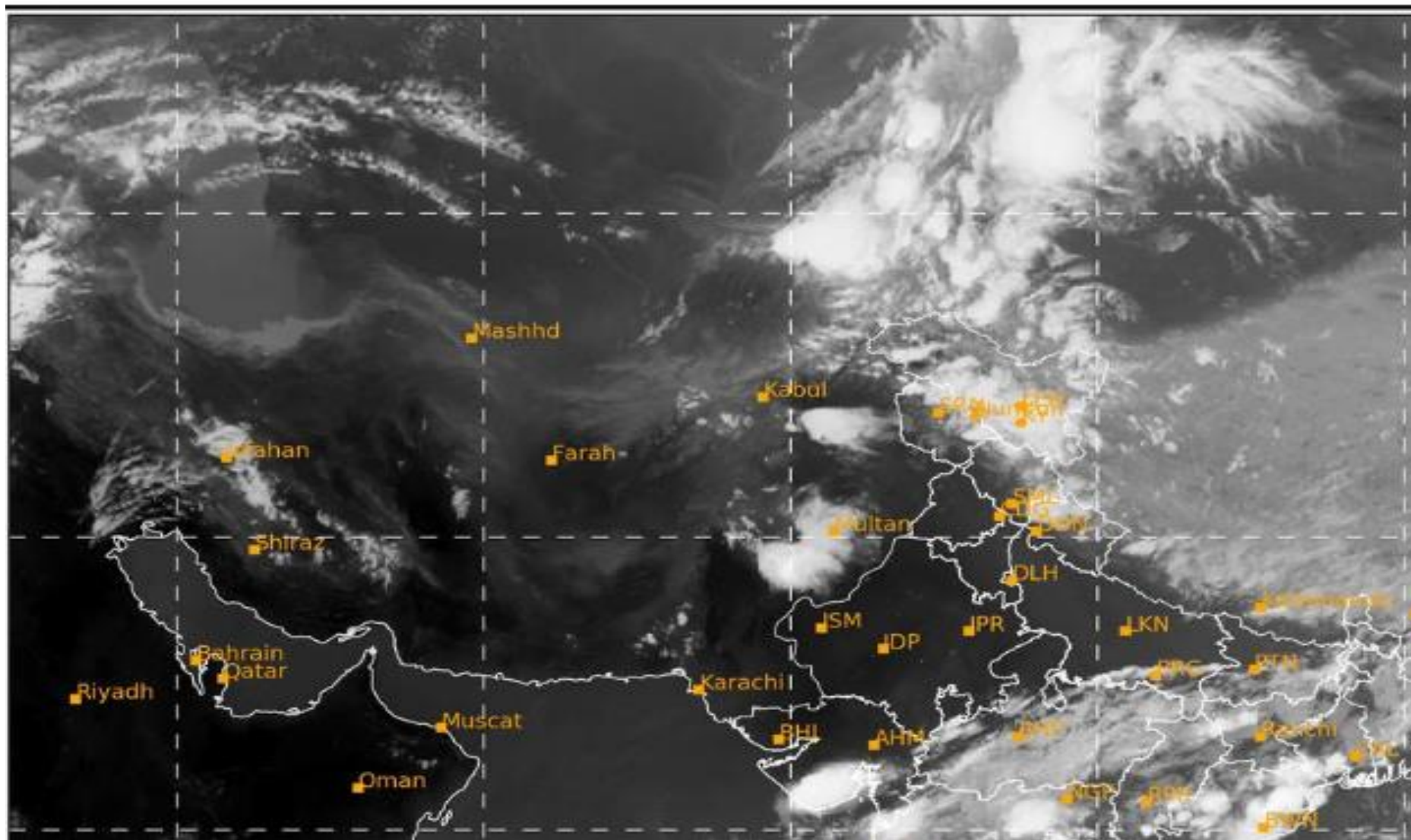
Age of lightning (minutes) 

Fri 05/23/2025, 07:05pm GMT+0430

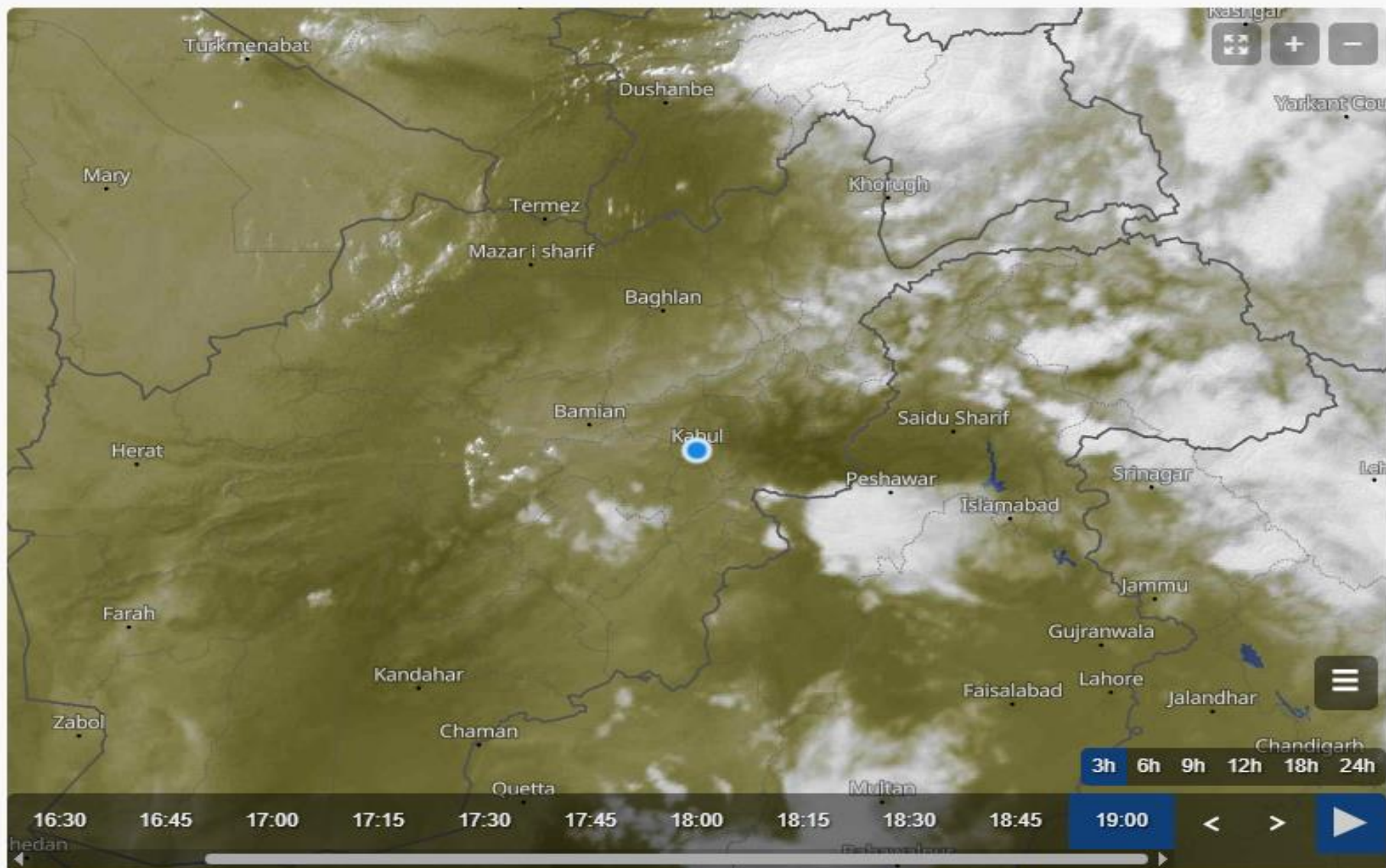


SAT : INSAT-3DR IMG  
IMG\_TIR1 10.8 um  
L1C Mercator

23-05-2025/(1345 to 1412) GMT  
23-05-2025/(1915 to 1942) IST



## Live satellite map, Afghanistan



# Cloud Top Height

2025-05-23 14:30(UTC)

