



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



Daily reports of Satellite imagery analysis. Date & Time: 04/08/2025, 00:00 UTC

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	X	√ dry	X	X	
4	East	✓	X	X	✓	X	√ dry	X	X	
5	central	✓	X	X	X	X	√ dry	X	X	
6	Northeast	✓	X	X	✓	X	√ weak	X	X	
7	Southeast	X	✓	X	✓	X	√ weak	X	X	
8	Northwest	X	X	X	X	X	√ dry	X	X	
9	Southwest	X	X	X	X	X	√ dry	X	X	

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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-08-03 14:30

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

Cold Airmass

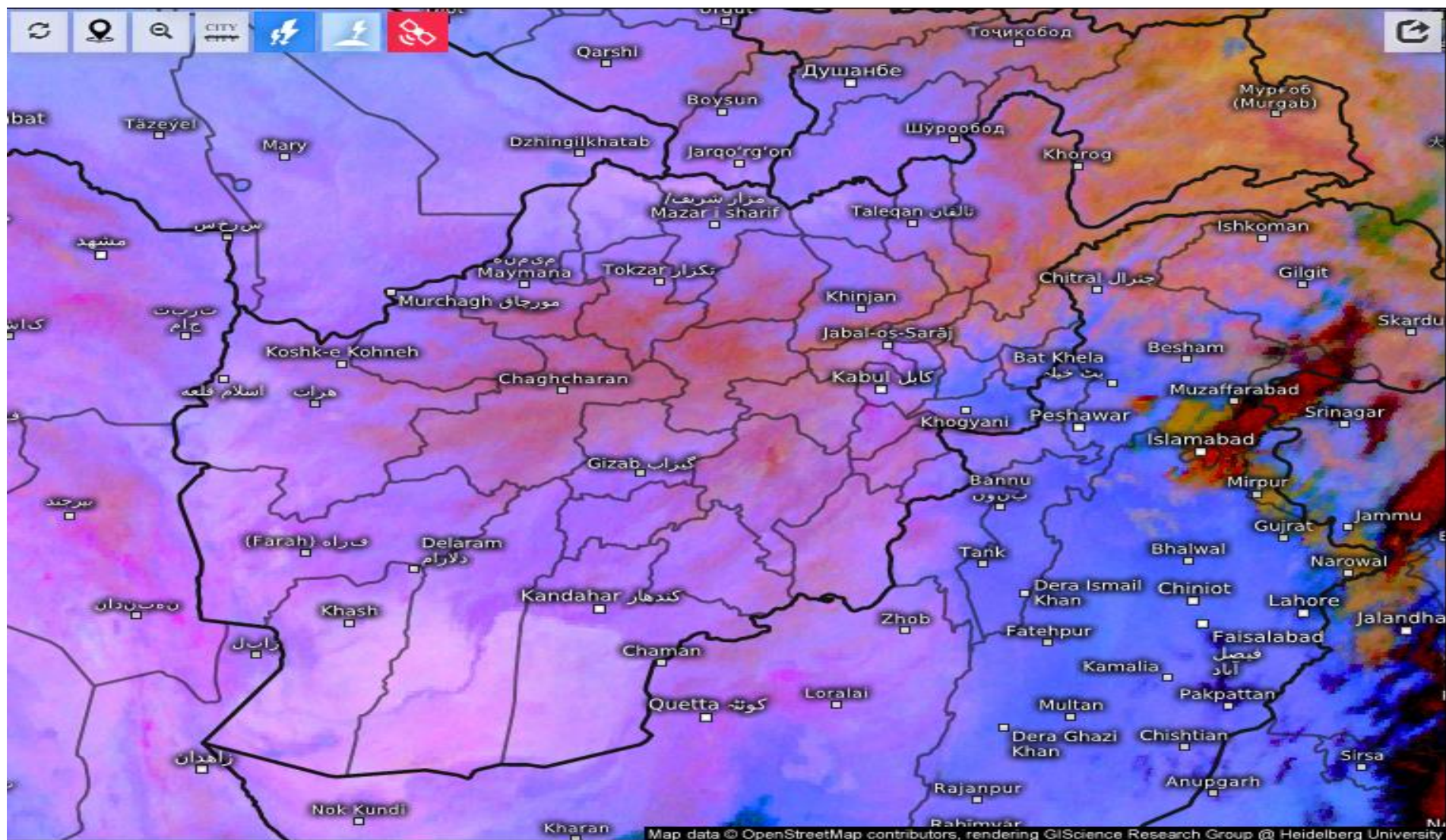
Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

R = WV (0.5-2.0)
G = IR (8-12)
B = WV (0.5-2.0)

FY-4B AirMass RGB Composite (From WMO)



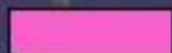


Satellite Dust 

Mon 08/04/2025, 04:00am GMT+0430

UTC : 2025-08-03 14:30

Dust



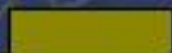
Dust



High-level cloud



Thick,
mid-level cloud



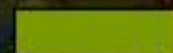
Thin,
mid-level cloud



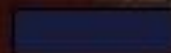
Ocean



Land



Low-level cloud

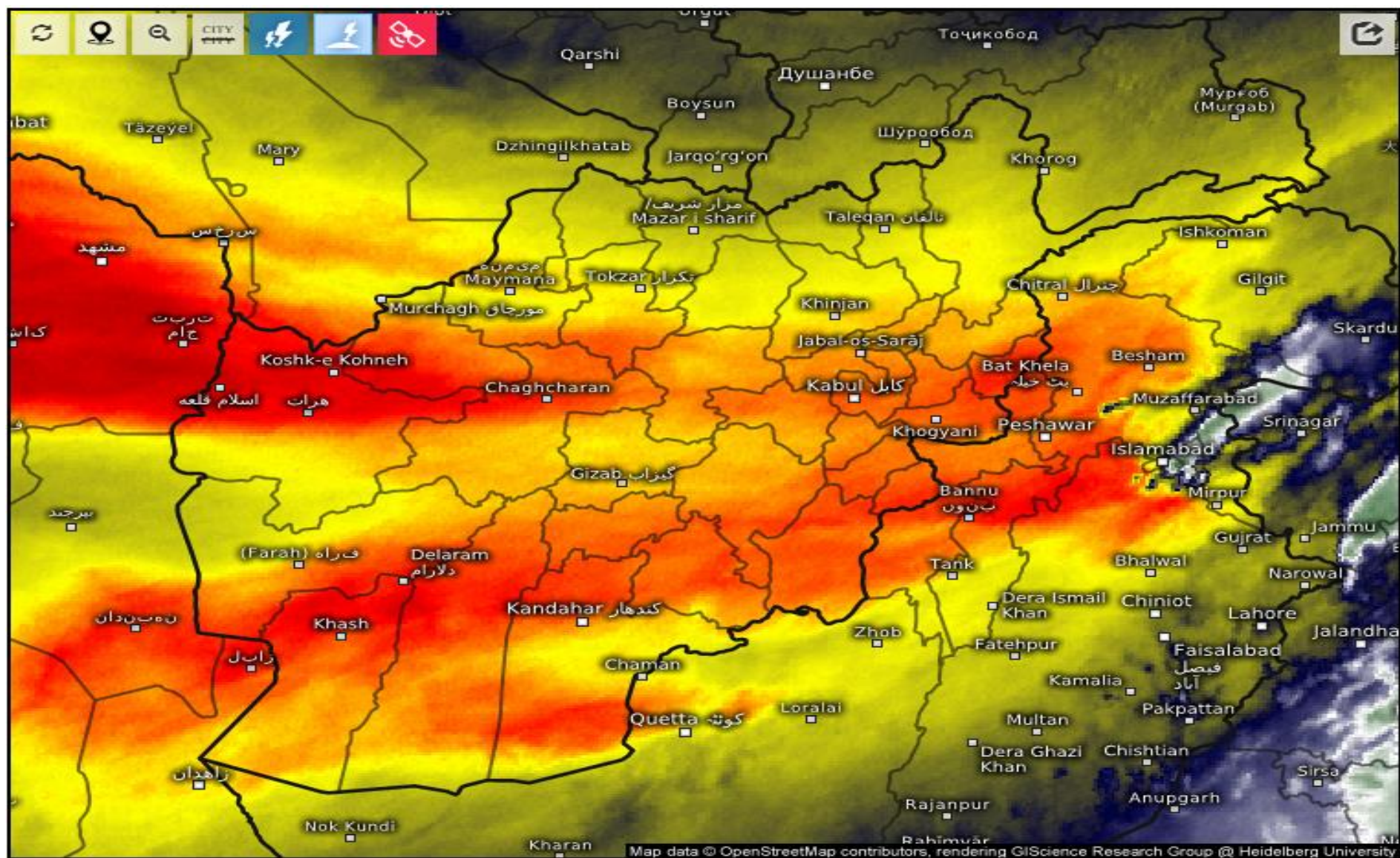


Cirrus

R = IR (12.0)
G = IR (10.8)
B = IR (10.8)

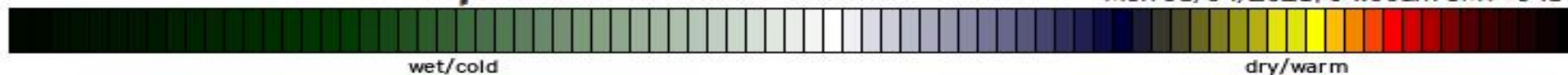
FY-4B Dust RGB Composite (From WMO)





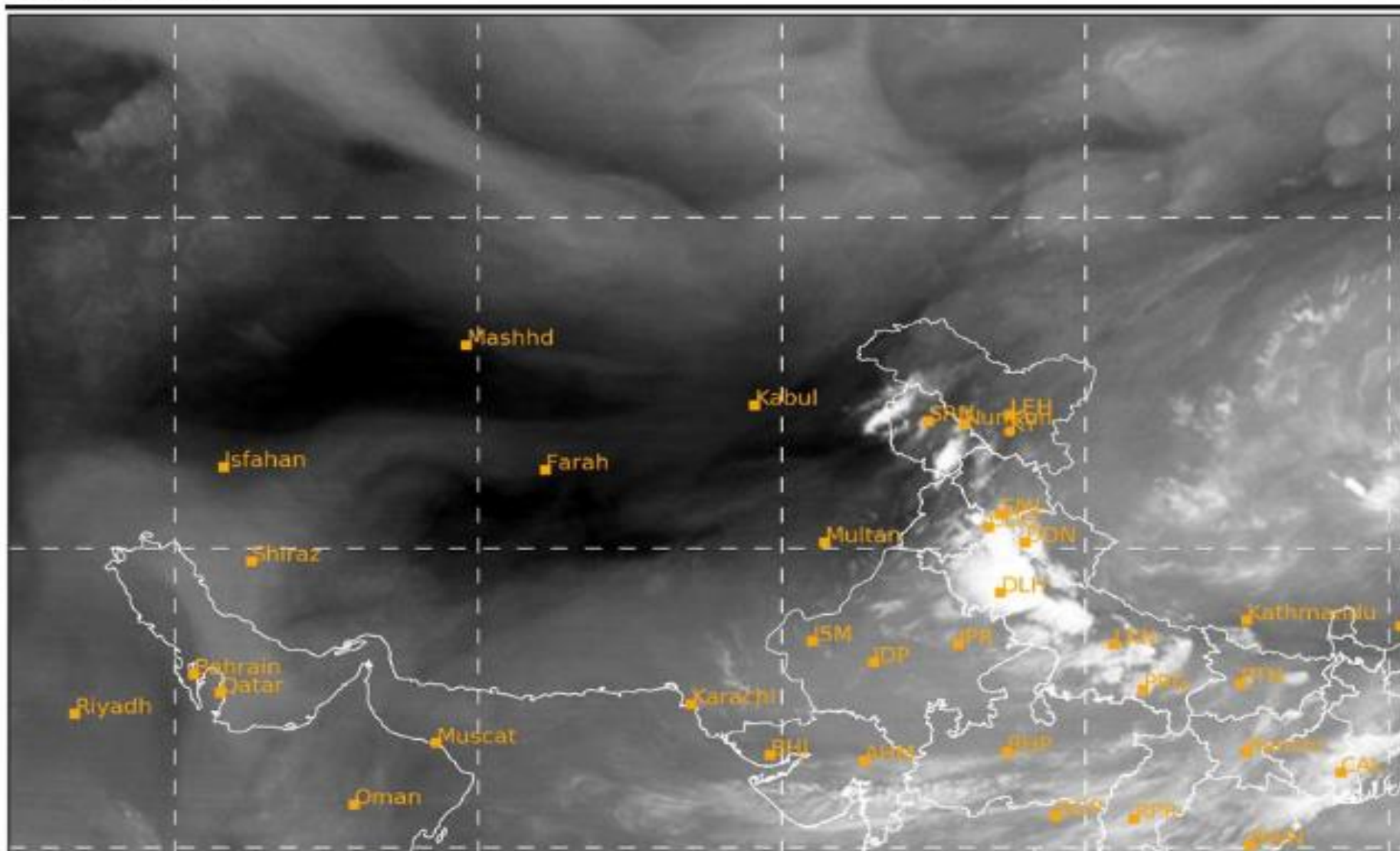
Satellite Water Vapor

Mon 08/04/2025, 04:00am GMT+0430



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

03-08-2025/(2245 to 2312) GMT
04-08-2025/(0415 to 0442) IST



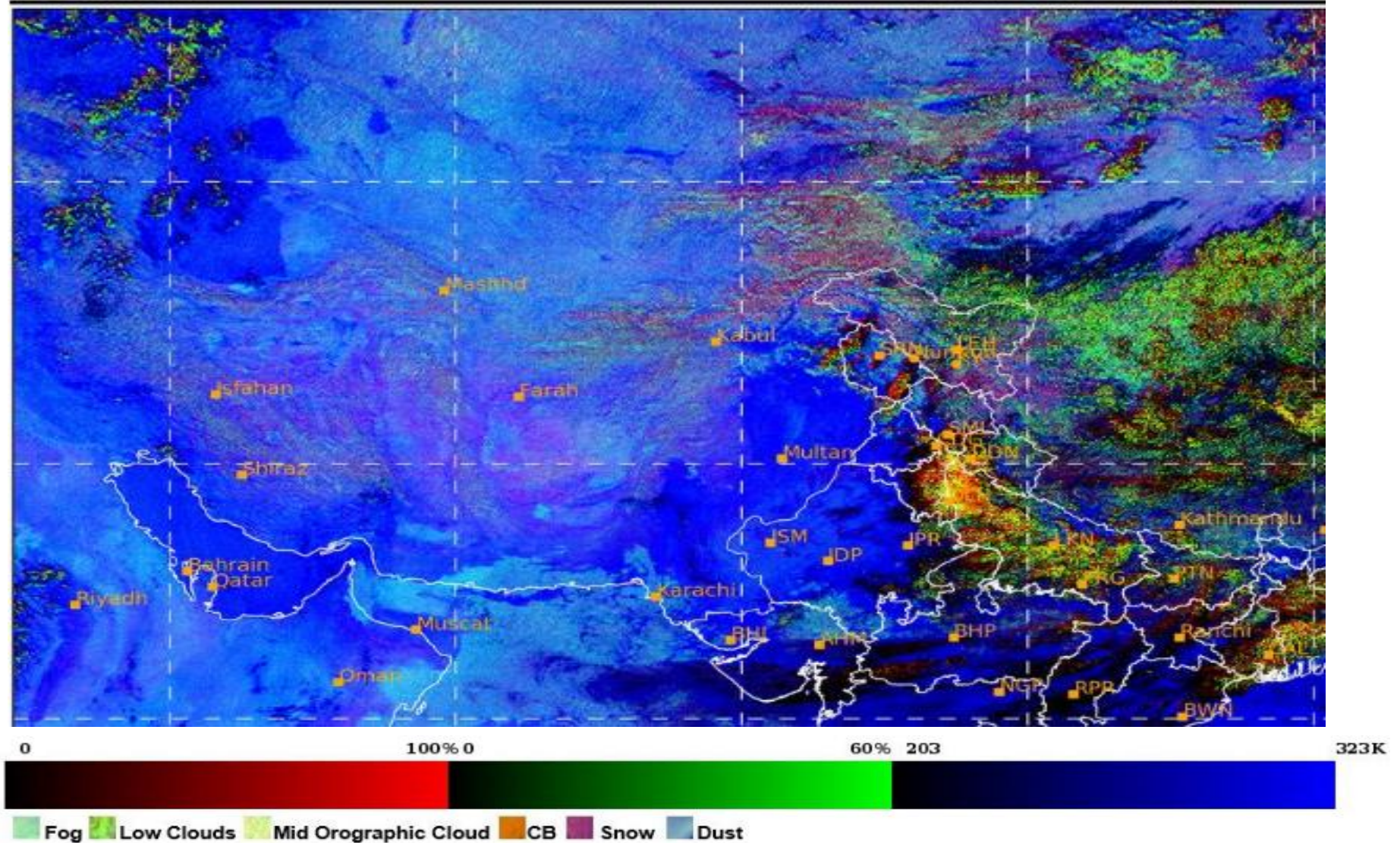
SAT : INSAT-3DR IMG

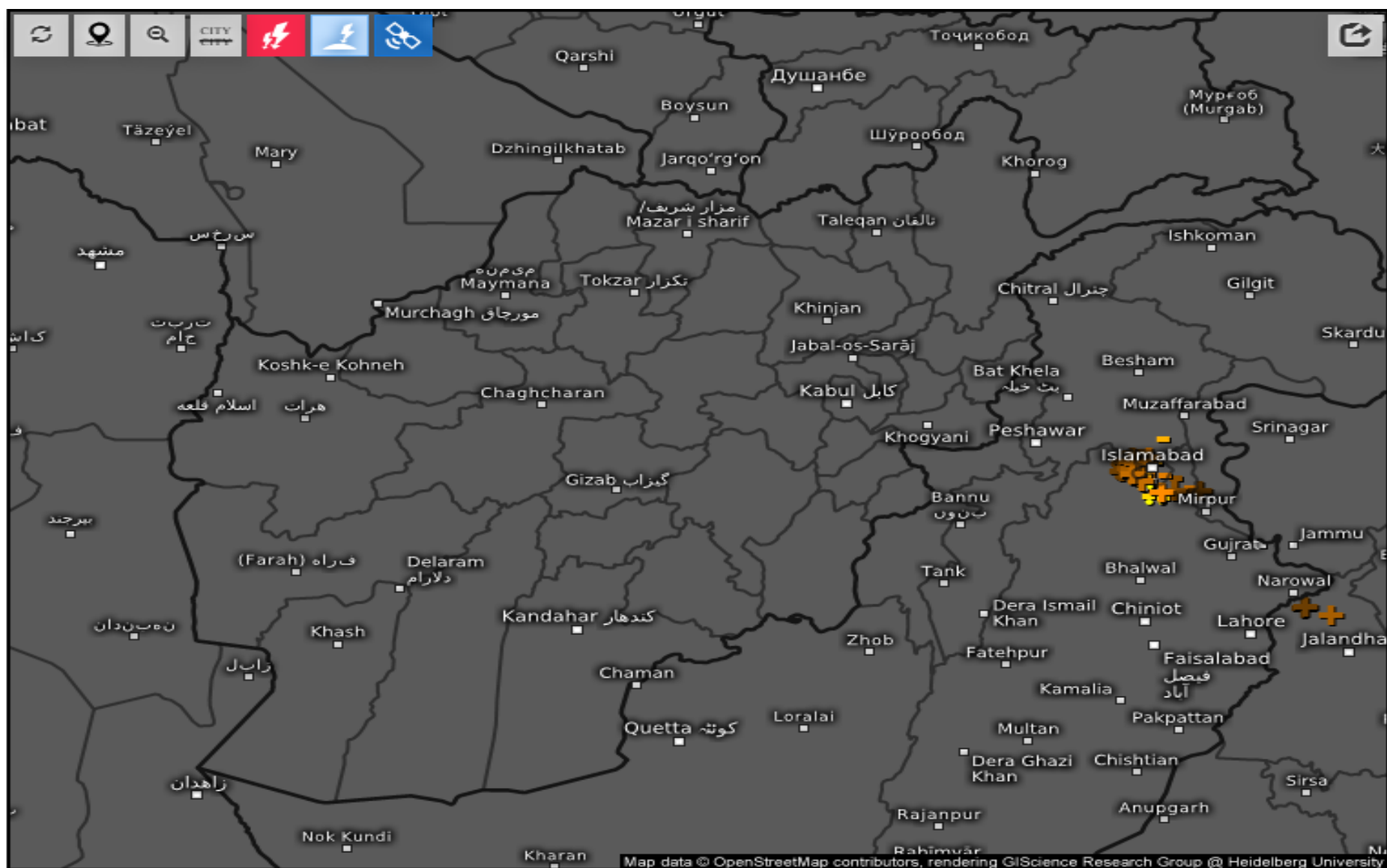
03-08-2025/(2245 to 2312) GMT

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

L1C Mercator

04-08-2025/(0415 to 0442) IST





Age of lightning (minutes)

Mon 08/04/2025, 04:10am GMT+0430



A grayscale satellite map of South and Central Asia, showing a white flight route and orange airport markers. The route starts in the Middle East, goes to Pakistan, India, Nepal, and ends in China. Labeled cities include Riyadh, Bahrain, Qatar, Muscat, Oman, Shiraz, Isfahan, Mashhad, Farah, Kabul, Multan, Kathmandu, and various Chinese cities like Beijing, Shanghai, and Guangzhou.

Live satellite map, Afghanistan



Cloud Top Height

2025-08-03 23:15(UTC)

