



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



Daily reports of Satellite imagery analysis. Date & Time: 05/07/2025, 00:00 UTC, Number of reports: 1089

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

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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-07-04 14:15

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

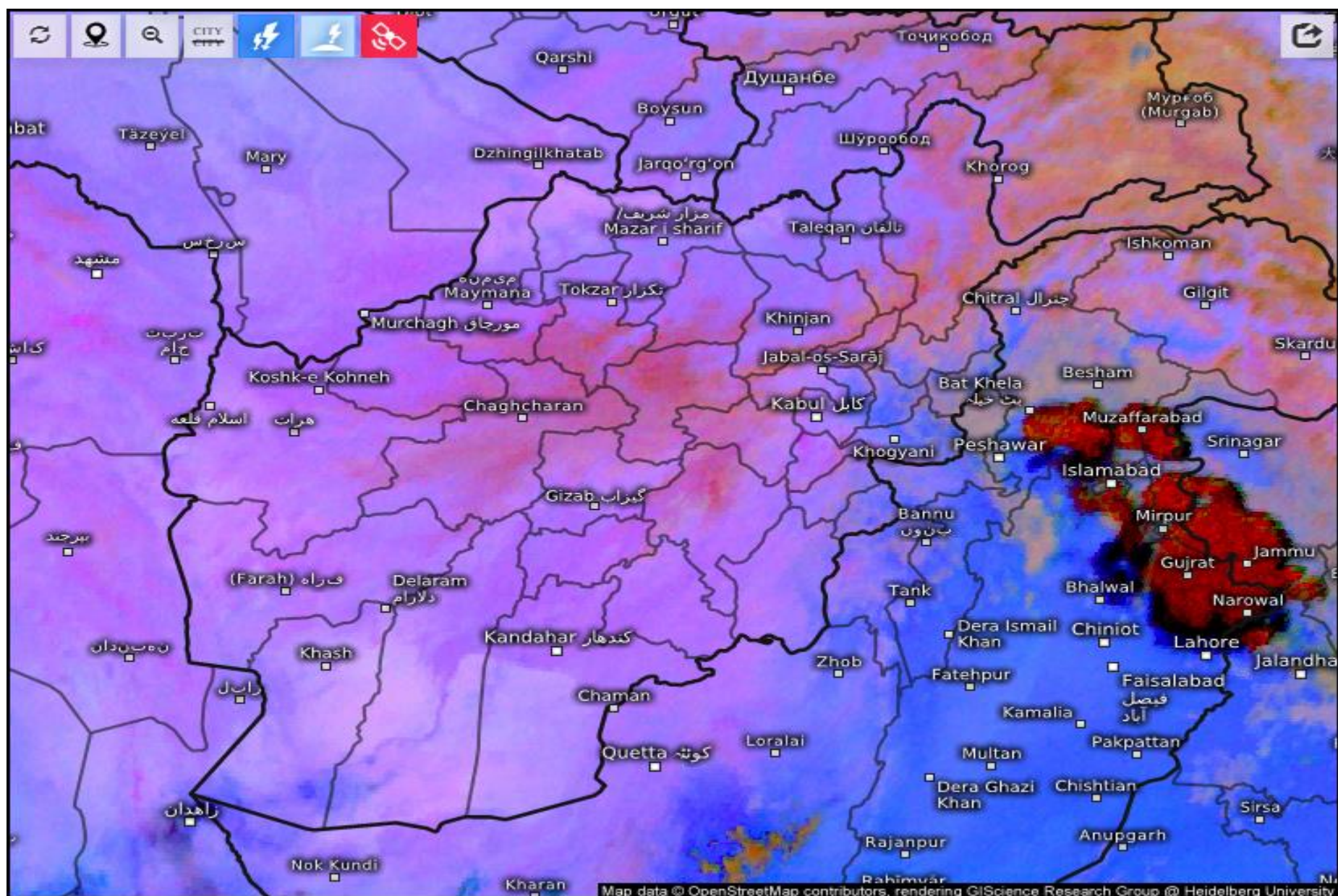
Cold Airmass

Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

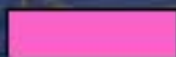
FY-4B AirMass RGB Composite (From WMO)



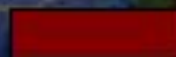


UTC : 2025-07-04 14:15

Dust



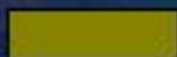
Dust



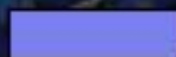
High-level cloud



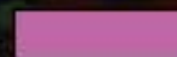
Thick,
mid-level cloud



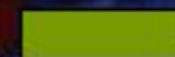
Thin,
mid-level cloud



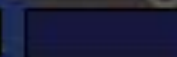
Ocean



Land



Low-level cloud

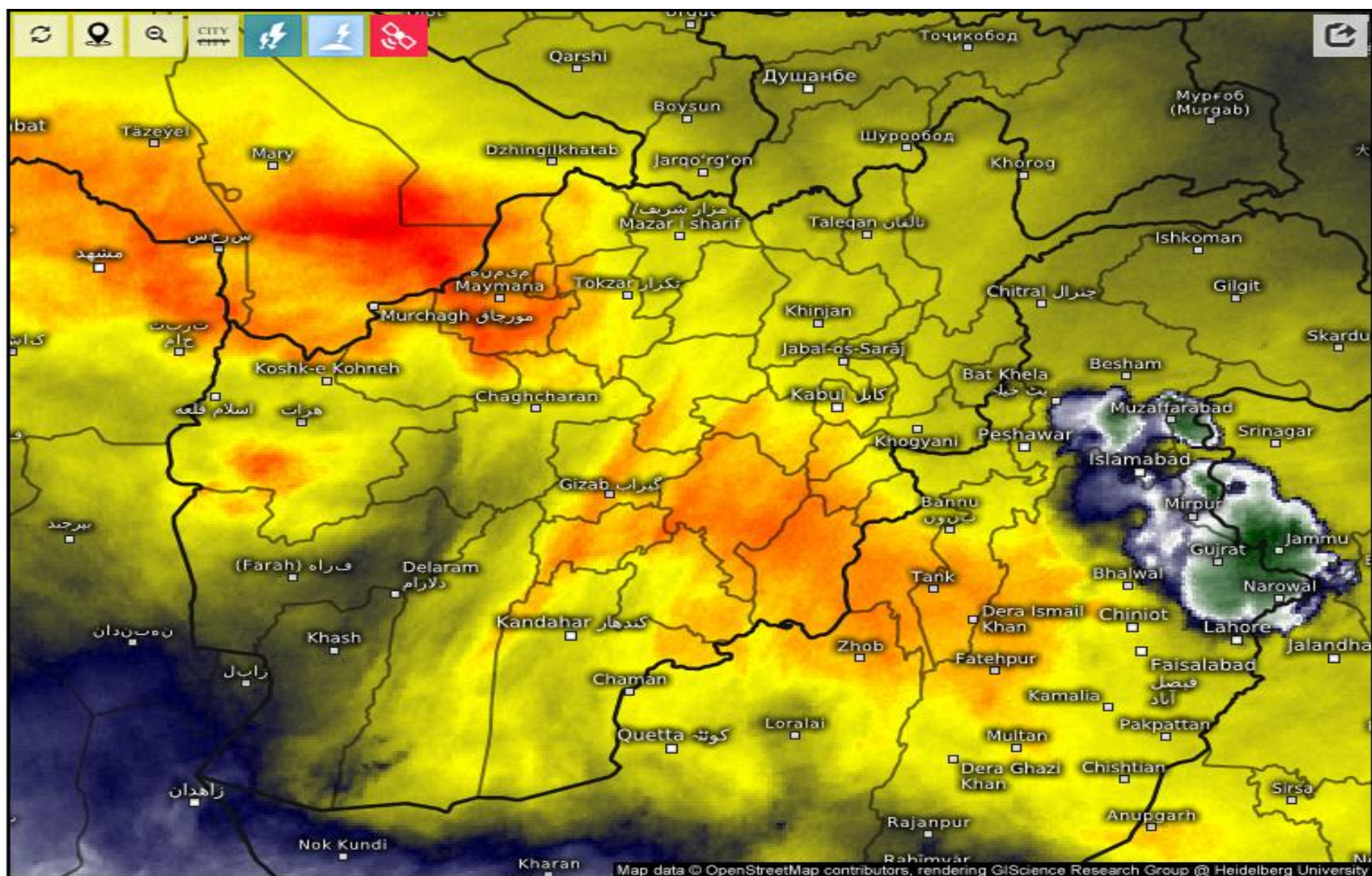


Cirrus

R =
G =
B =

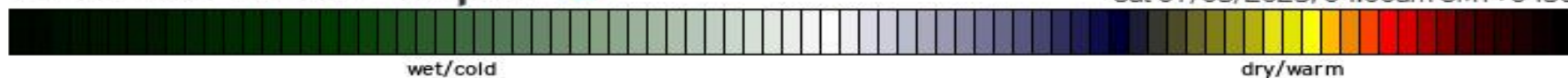
FY-4B Dust RGB Composite (From WMO)





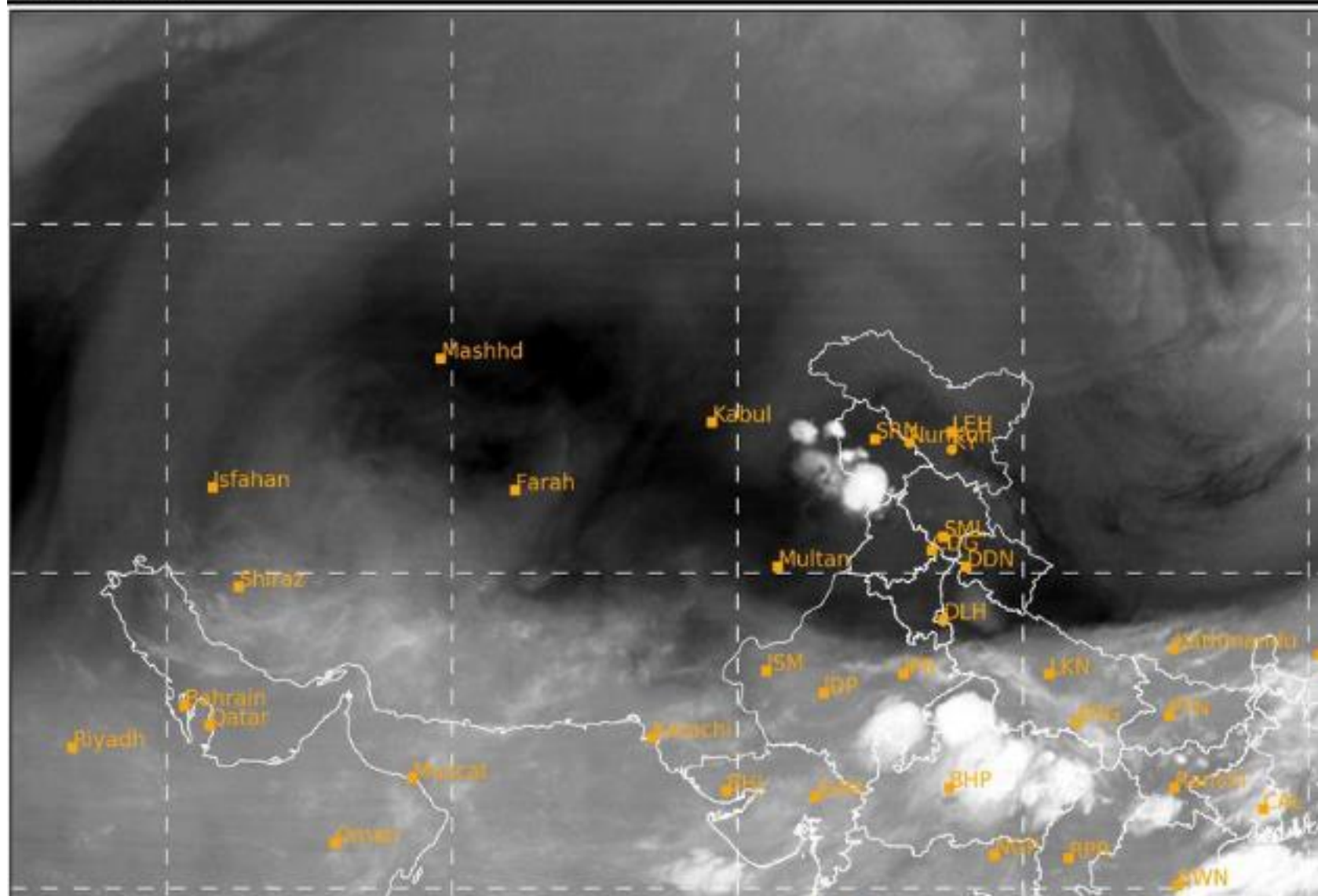
Satellite Water Vapor

Sat 07/05/2025, 04:00am GMT+0430



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

04-07-2025/(2245 to 2312) GMT
05-07-2025/(0415 to 0442) IST



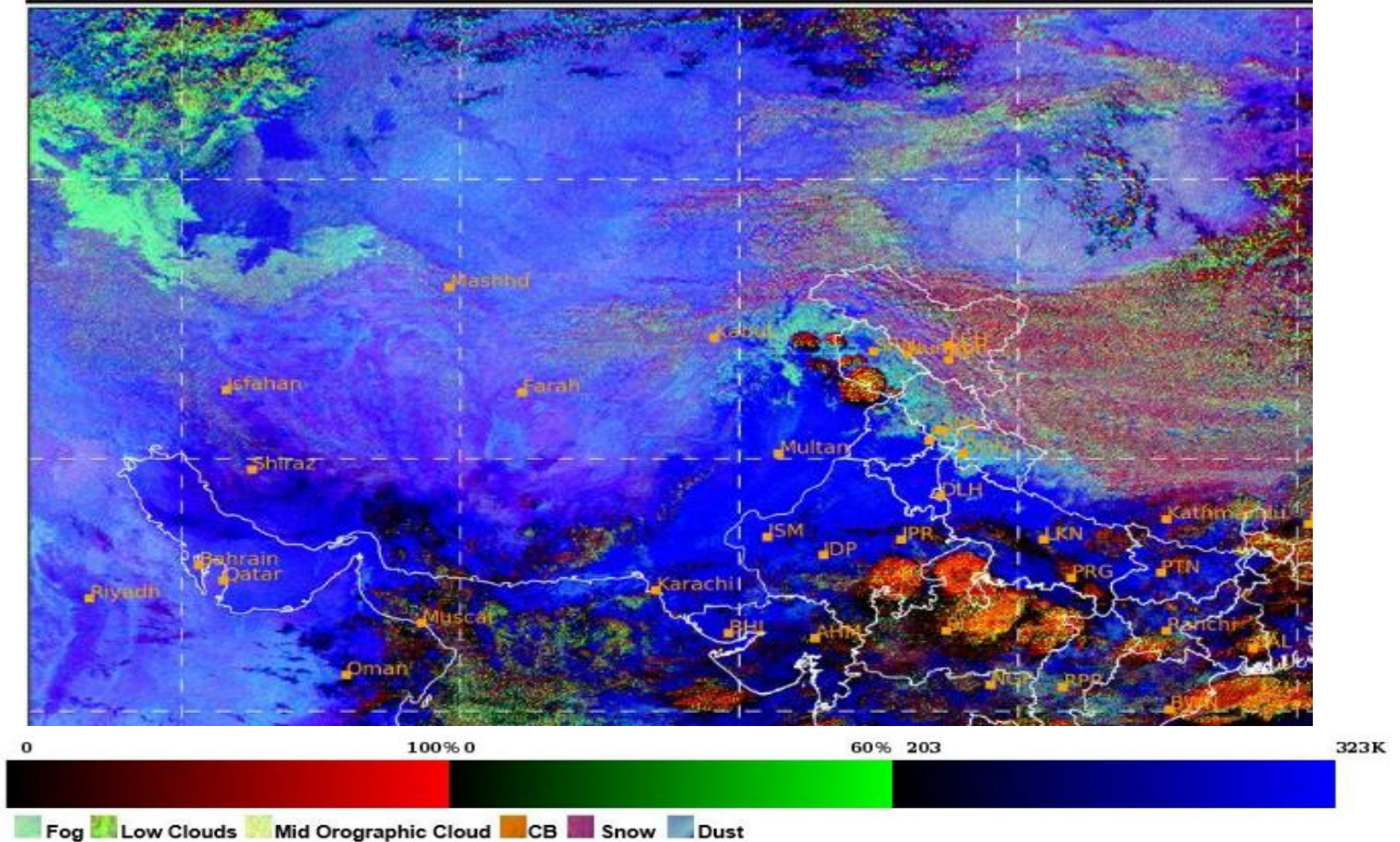
SAT : INSAT-3DR IMG

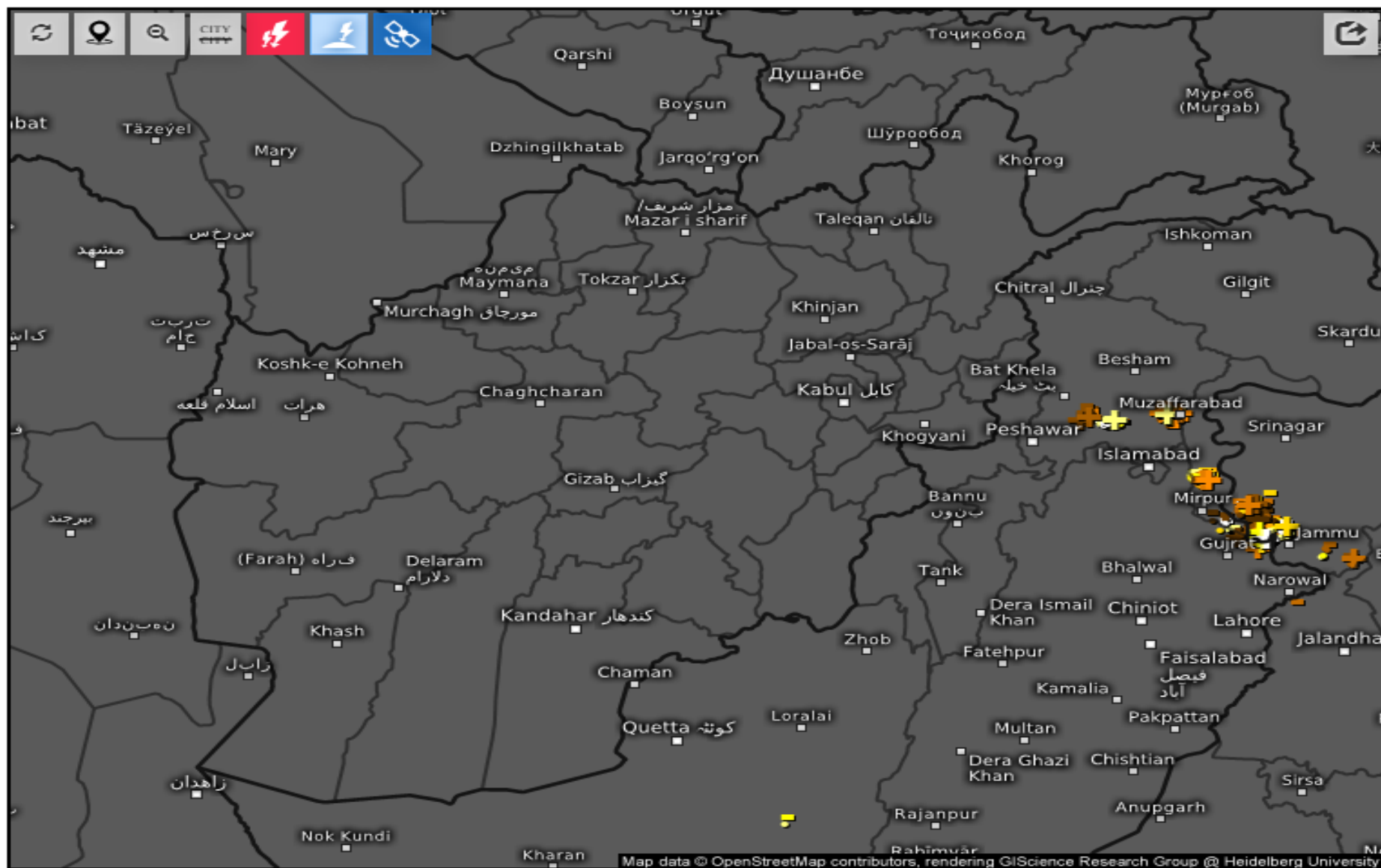
04-07-2025/(2245 to 2312) GMT

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

L1C Mercator

05-07-2025/(0415 to 0442) IST





Age of lightning (minutes) 

Sat 07/05/2025, 04:00am GMT+0430



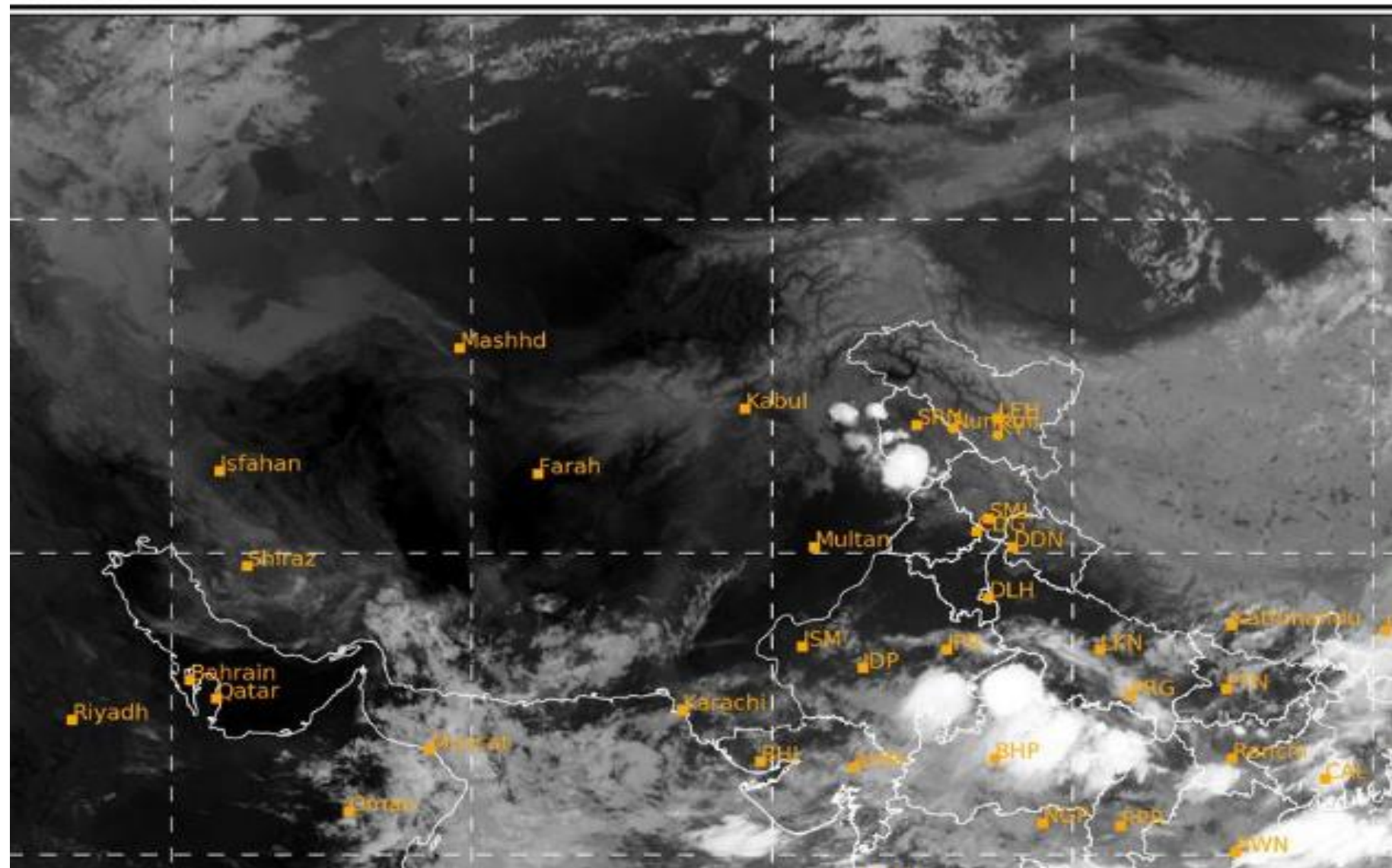
SAT : INSAT-3DR IMG

IMG_TIR1 10.8 um

L1C Mercator

04-07-2025/(2245 to 2312) GMT

05-07-2025/(0415 to 0442) IST



The map displays the geographical context of the cyclone's impact in South Asia. Key locations labeled include Kabul, Herat, Kandahar, Chaman, Quetta, Mazar i sharif, Baghlan, Bamian, Termez, Dushanbe, Khorugh, Saidu Sharif, Peshawar, Islamabad, Srinagar, Jammu, Gujranwala, Lahore, Faisalabad, Jalandhar, Chandigarh, Multan, Bahawalpur, and Zabol. The timeline at the bottom indicates the progression of the event from 01:30 to 04:00, with a blue dot marking the cyclone's path and a white cloud-like shape indicating the area of impact.

Cloud Top Height

2025-07-04 23:15(UTC)

