



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



Daily reports of Satellite imagery analysis. Date & Time: 17/06/2025, 00:00 UTC, Number of reports: 1046

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

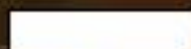
Details: According to satellite imagery analysis, the northern, southern, western, eastern, central, northeastern, northwestern, southwestern and southeastern areas have worm air mass (High UTH). The southern, western, southeastern, northwestern and southwestern areas have dust. The northeastern have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

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

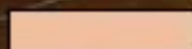
- Reported by: Esmatullah Mohammadi

UTC : 2025-06-16 16:15

AirMass



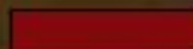
Thick,
high-level cloud



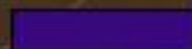
Thick,
mid-level cloud



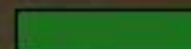
Thick,
low-level cloud



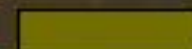
Jet



Cold Airmass



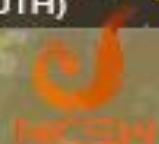
Warm Airmass
(high UTH)

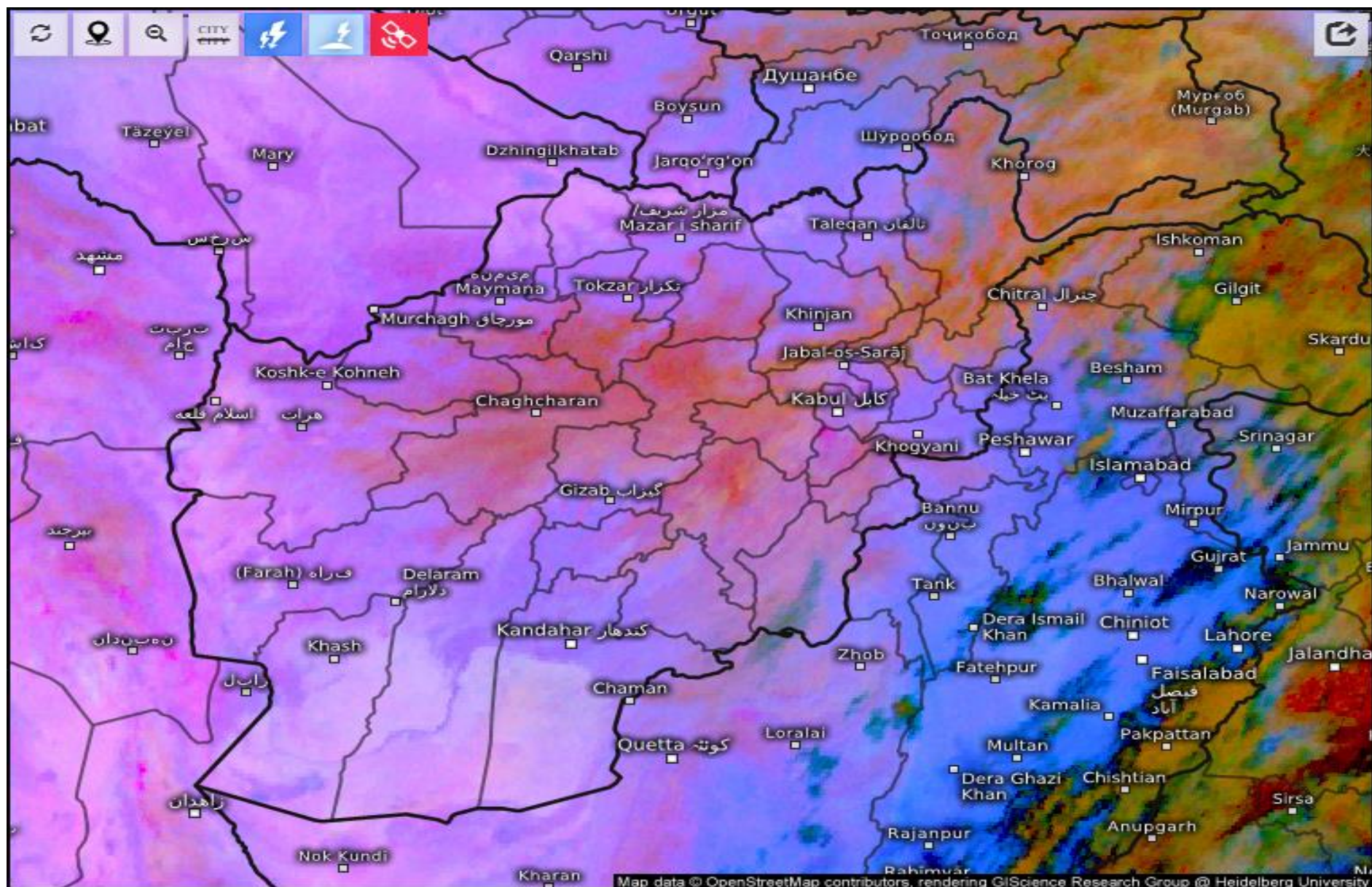


Warm Airmass
(low UTH)

R=
G=
B=

FY-4B AirMass RGB Composite (From WMO)



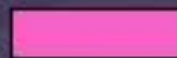


Satellite Dust 

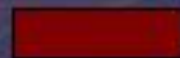
Tue 06/17/2025, 04:15am GMT+0430

UTC : 2025-06-16 16:00

Dust



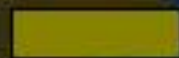
Dust



High-level cloud



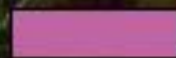
Thick,
mid-level cloud



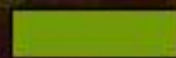
Thin,
mid-level cloud



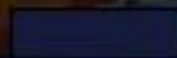
Ocean



Land



Low-level cloud

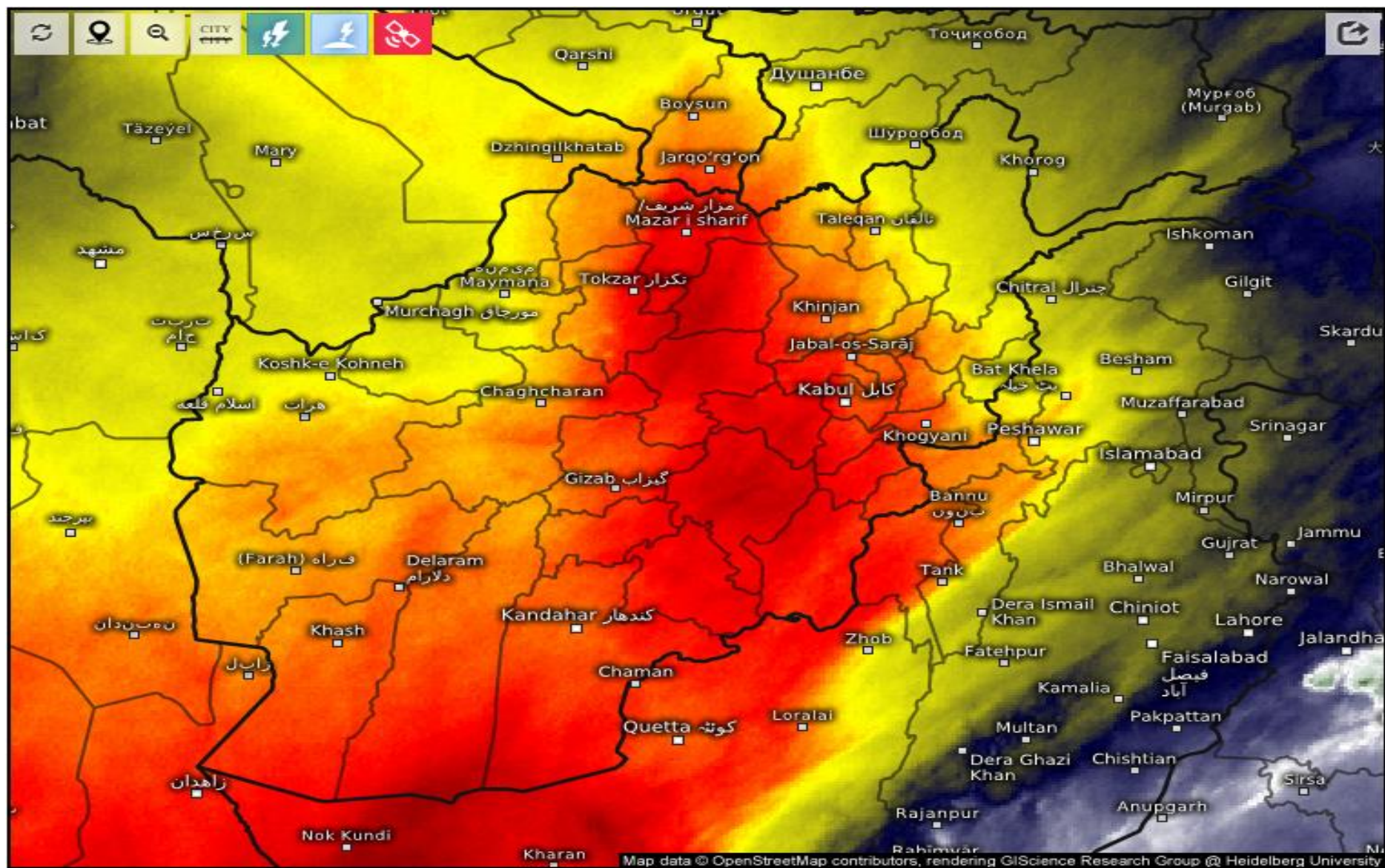


Cirrus

R = IR
G = IR
B = IR

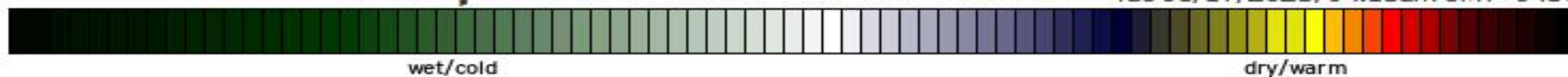
FY-4B Dust RGB Composite (From WMO)





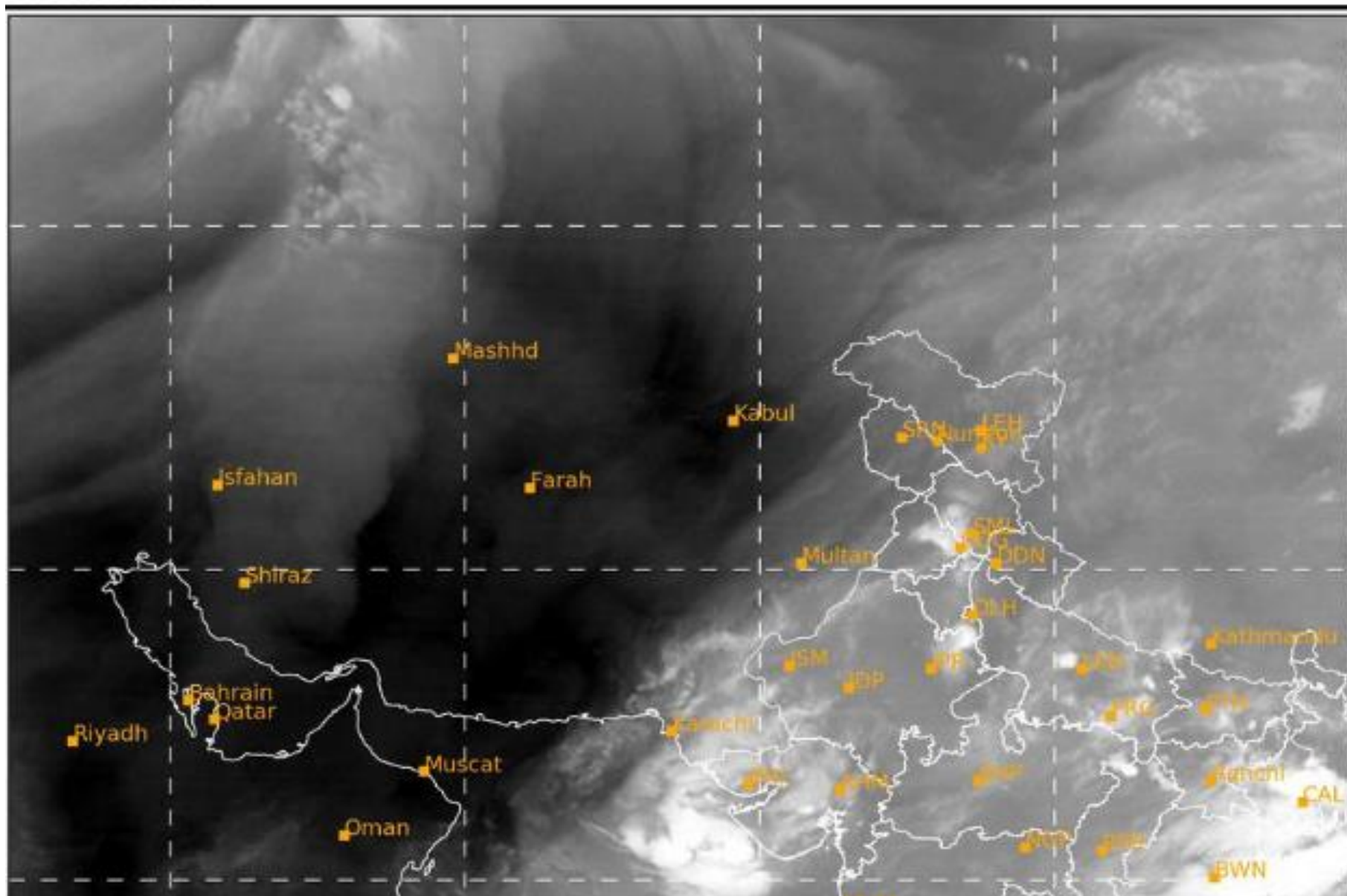
Satellite Water Vapor

Tue 06/17/2025, 04:15am GMT+0430



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

17-06-2025/(0015 to 0042) GMT
17-06-2025/(0545 to 0612) IST



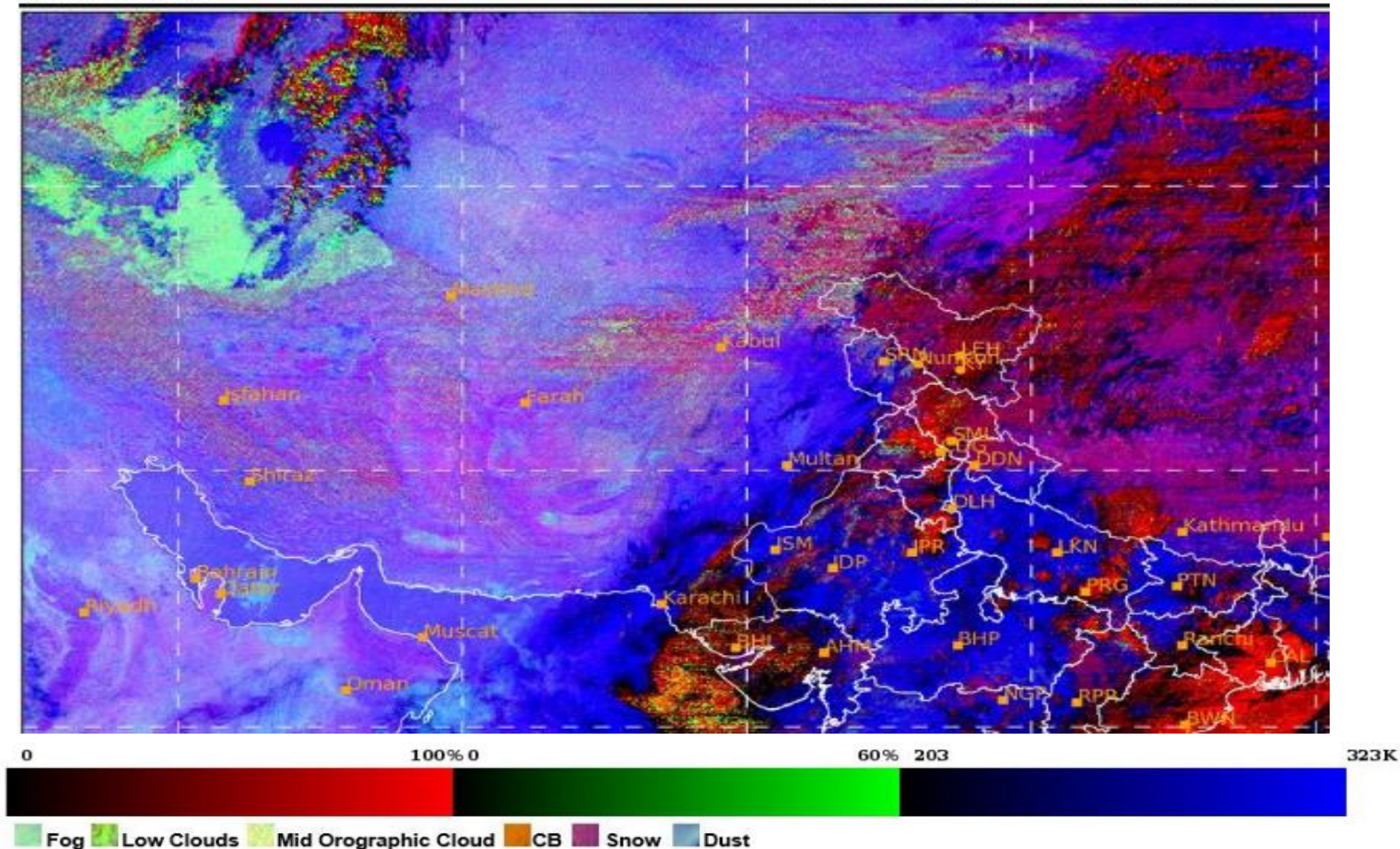
SAT : INSAT-3DR IMG

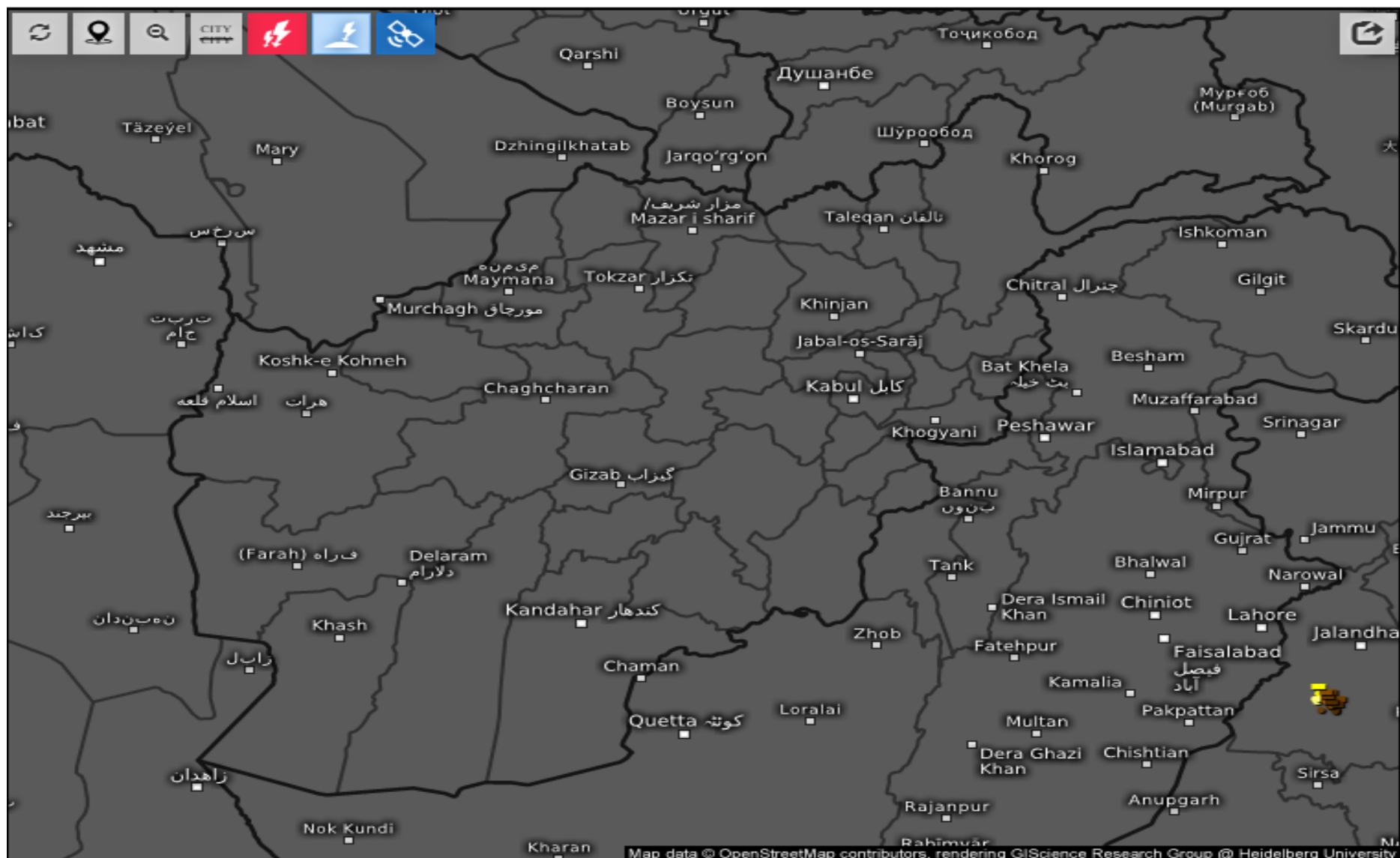
17-06-2025/(0015 to 0042) GMT

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

L1C Mercator

17-06-2025/(0545 to 0612) IST





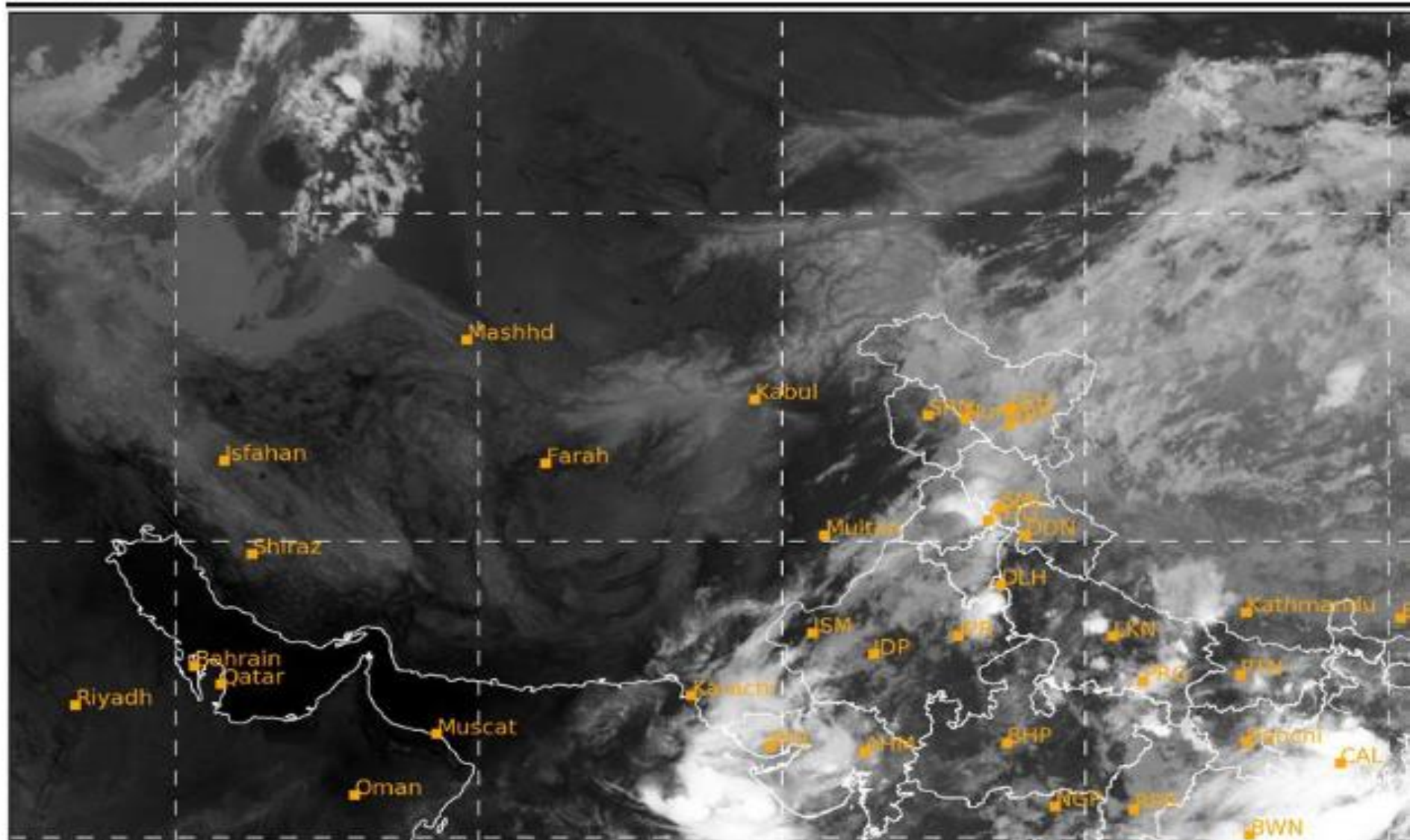
Age of lightning (minutes) 

Tue 06/17/2025, 04:15am GMT+0430



SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

17-06-2025/(0015 to 0042) GMT
17-06-2025/(0545 to 0612) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-06-16 23:30(UTC)

