



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



Daily reports of Satellite imagery analysis. Date & Time: 16/06/2025, 14:00 UTC, Number of reports: 1045

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

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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-06-16 04:30

AirMass

Thick,
high-level cloud

Thick,
mid-level cloud

Thick,
low-level cloud

Jet

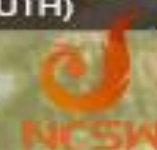
Cold Airmass

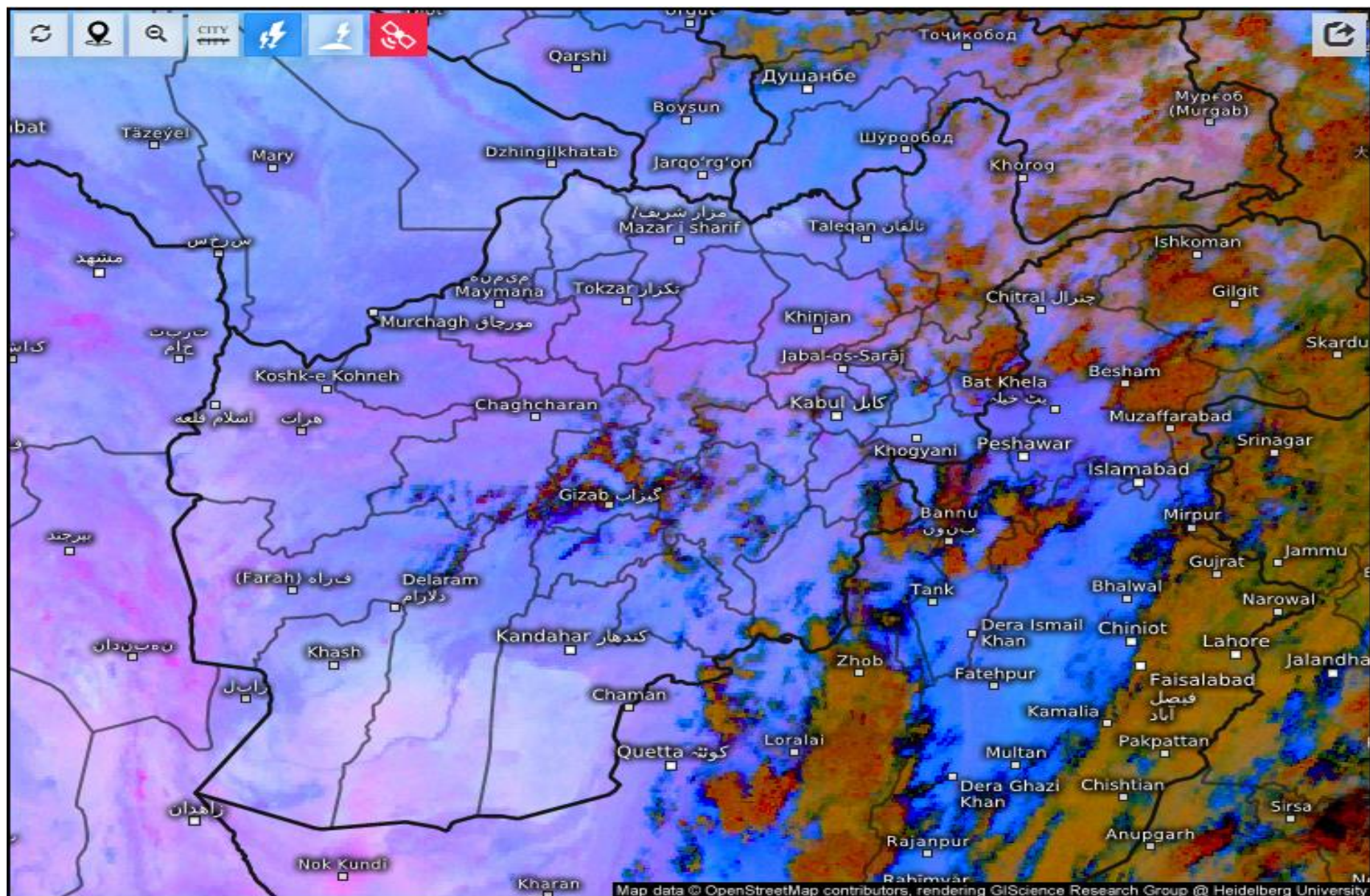
Warm Airmass
(high UTH)

Warm Airmass
(low UTH)

R=
G=
B=

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust 

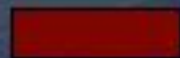
Mon 06/16/2025, 05:45pm GMT+0430

UTC : 2025-06-16 04:45

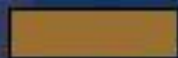
Dust



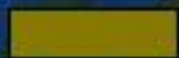
Dust



High-level cloud



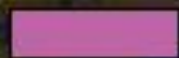
Thick,
mid-level cloud



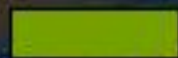
Thin,
mid-level cloud



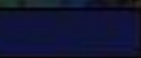
Ocean



Land



Low-level cloud

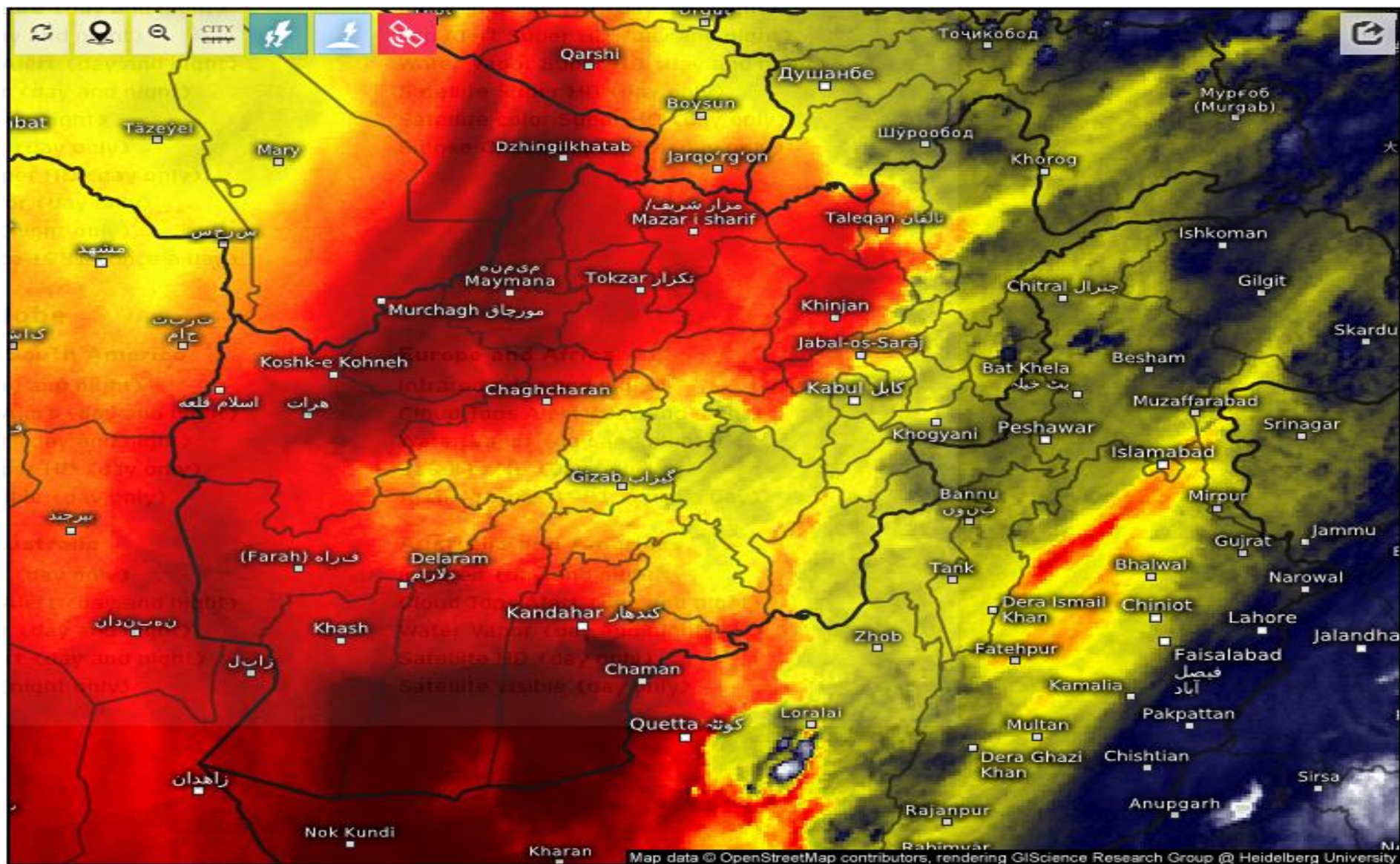


Cirrus

R = IR
G = IR
B = IR

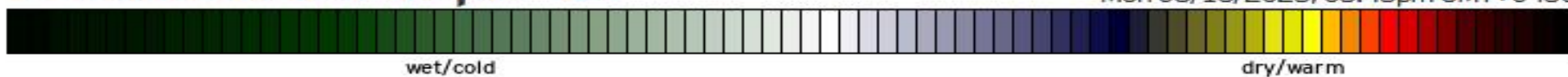
FY-4B Dust RGB Composite (From WMO)





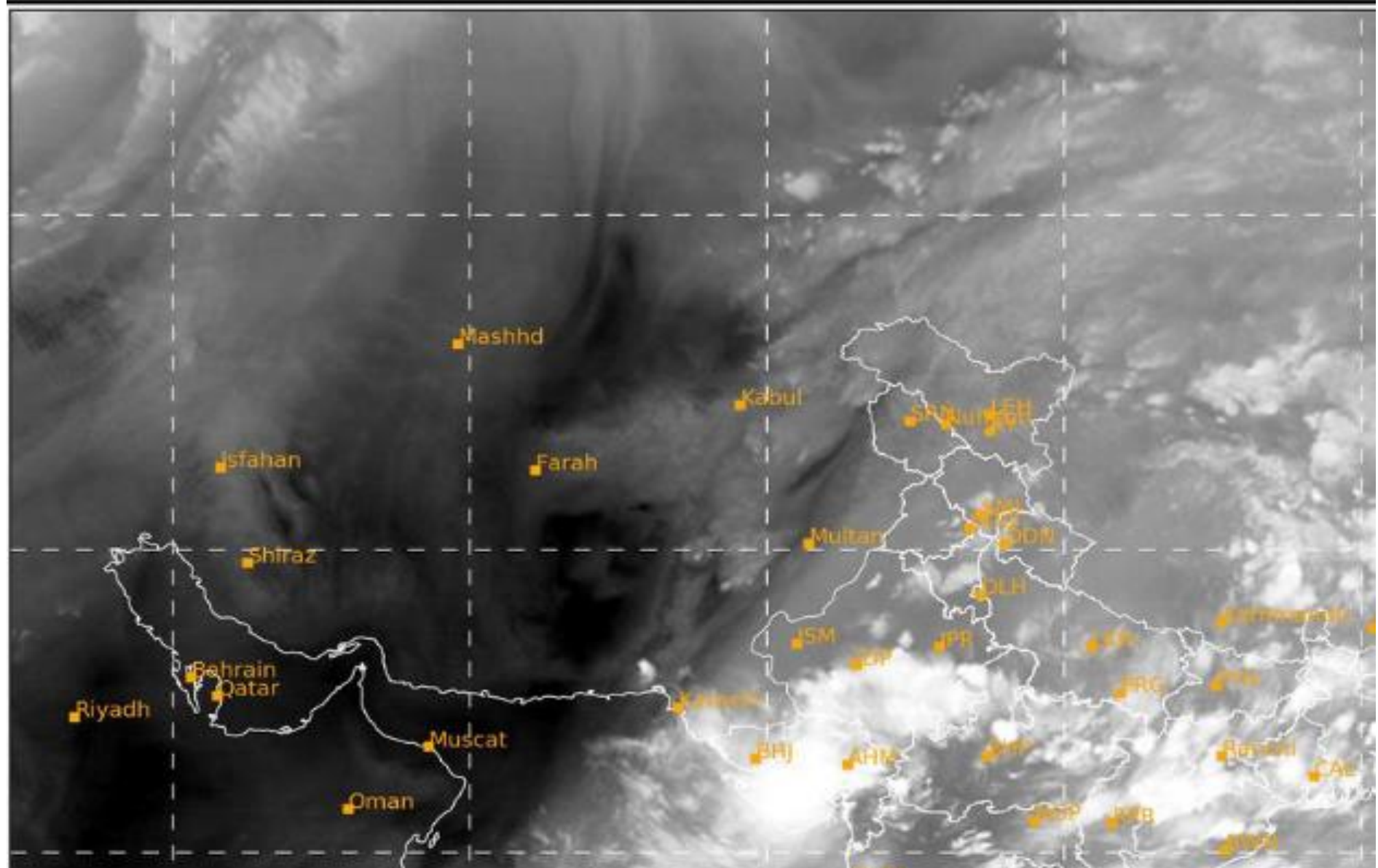
Satellite Water Vapor

Mon 06/16/2025, 05:45pm GMT+0430



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

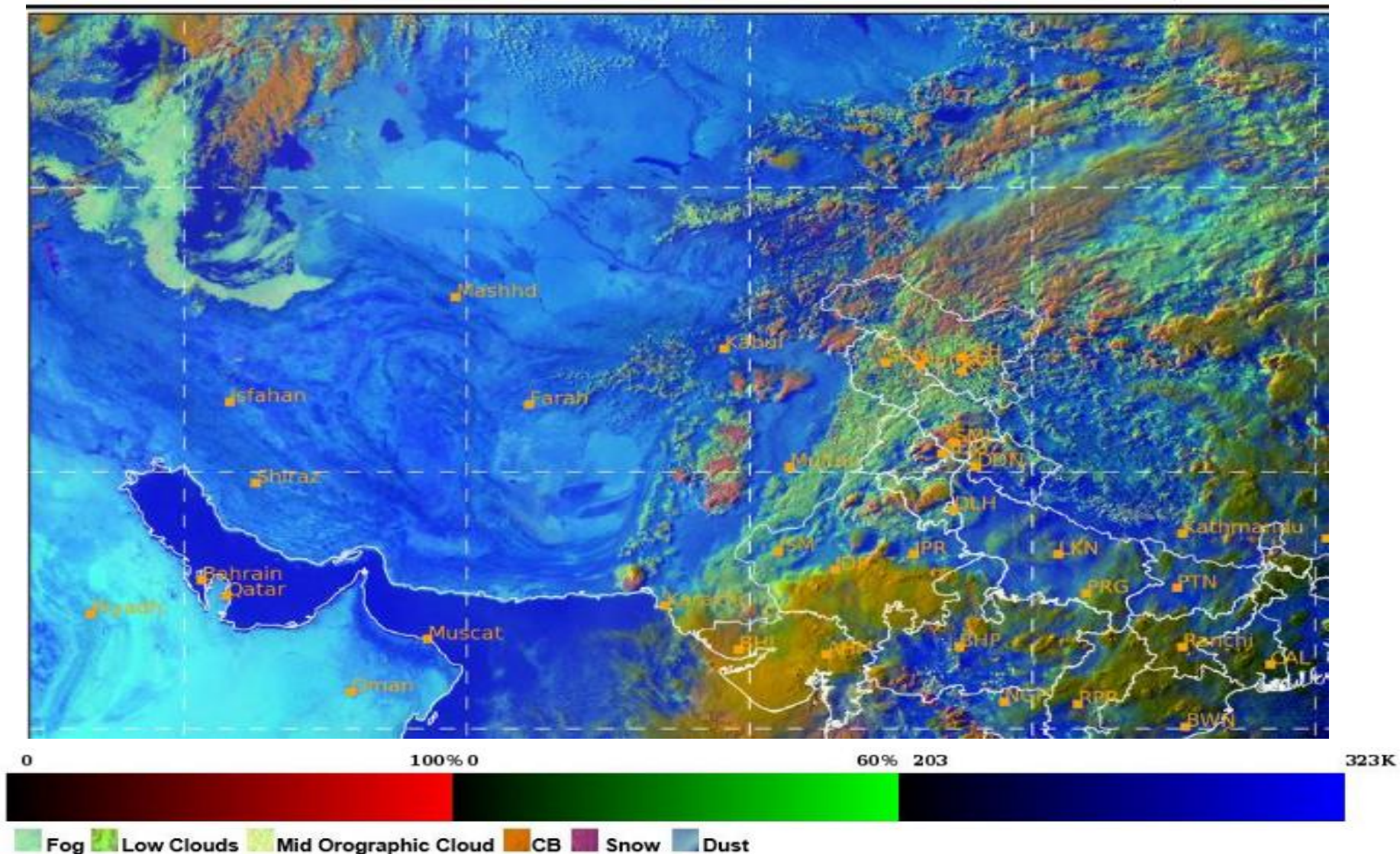
16-06-2025/(1215 to 1242) GMT
16-06-2025/(1745 to 1812) IST

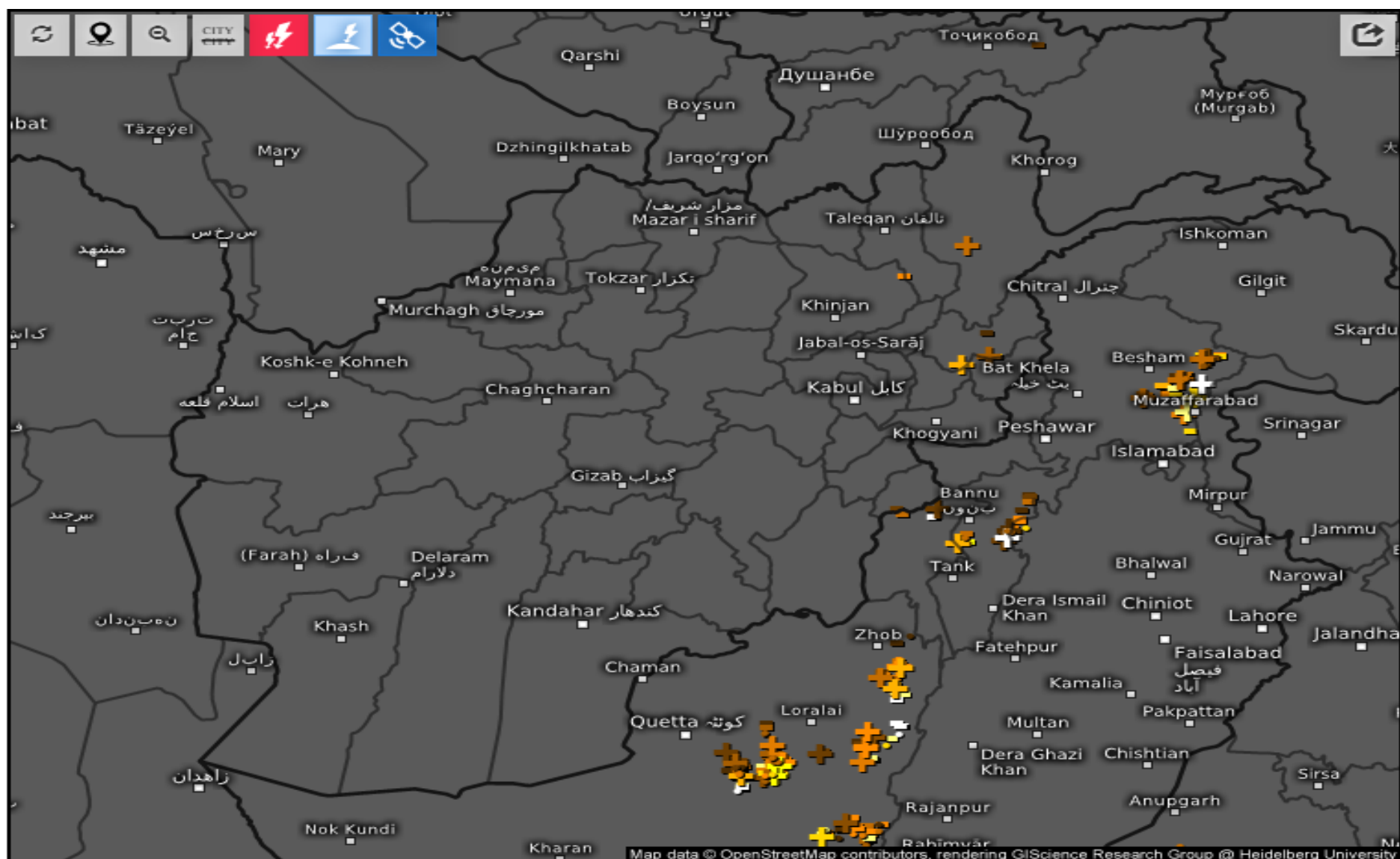


16-06-2025/(1215 to 1242) GMT

16-06-2025/(1745 to 1812) IST

L1C Mercator





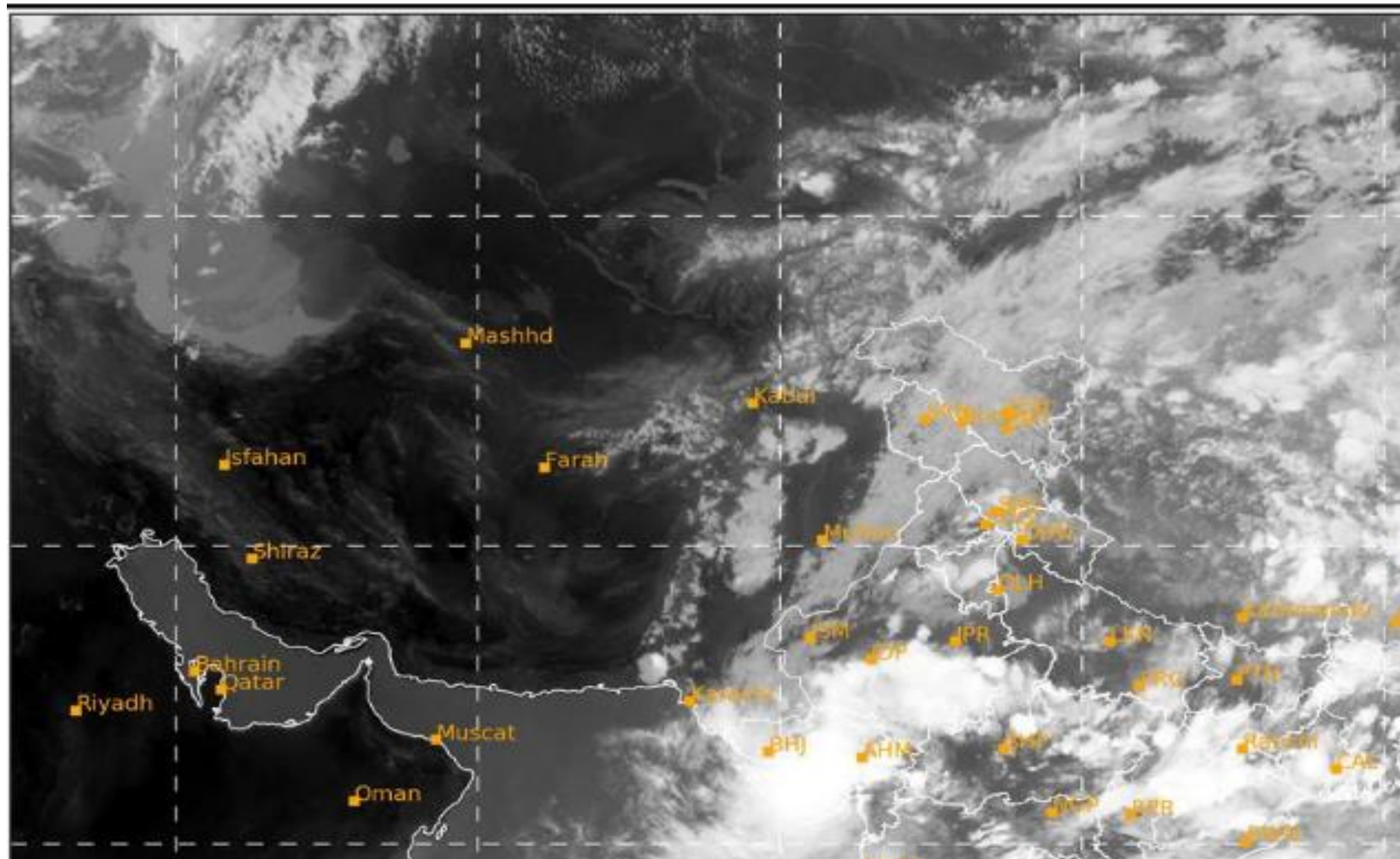
Age of lightning (minutes) 

Mon 06/16/2025, 06:00pm GMT+0430



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

16-06-2025/(1215 to 1242) GMT
16-06-2025/(1745 to 1812) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-06-16 13:15(UTC)

