



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



Daily reports of Satellite imagery analysis. Date & Time: 21/06/2025, 00:00 UTC, Number of reports: 1055

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

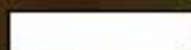
Details: According to satellite imagery analysis, the northern, southern, western, eastern, central, northeastern, northwestern, southwestern and southeastern areas have warm air mass (High UTH). The southern, western, southeastern, northwestern and southwestern areas have dust. The northern and northeastern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

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

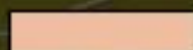
- Reported by: Esmatullah Mohammadi

UTC : 2025-06-20 14:15

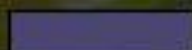
AirMass



Thick,
high-level cloud



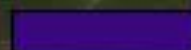
Thick,
mid-level cloud



Thick,
low-level cloud



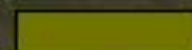
Jet



Cold Airmass



Warm Airmass
(high UTH)

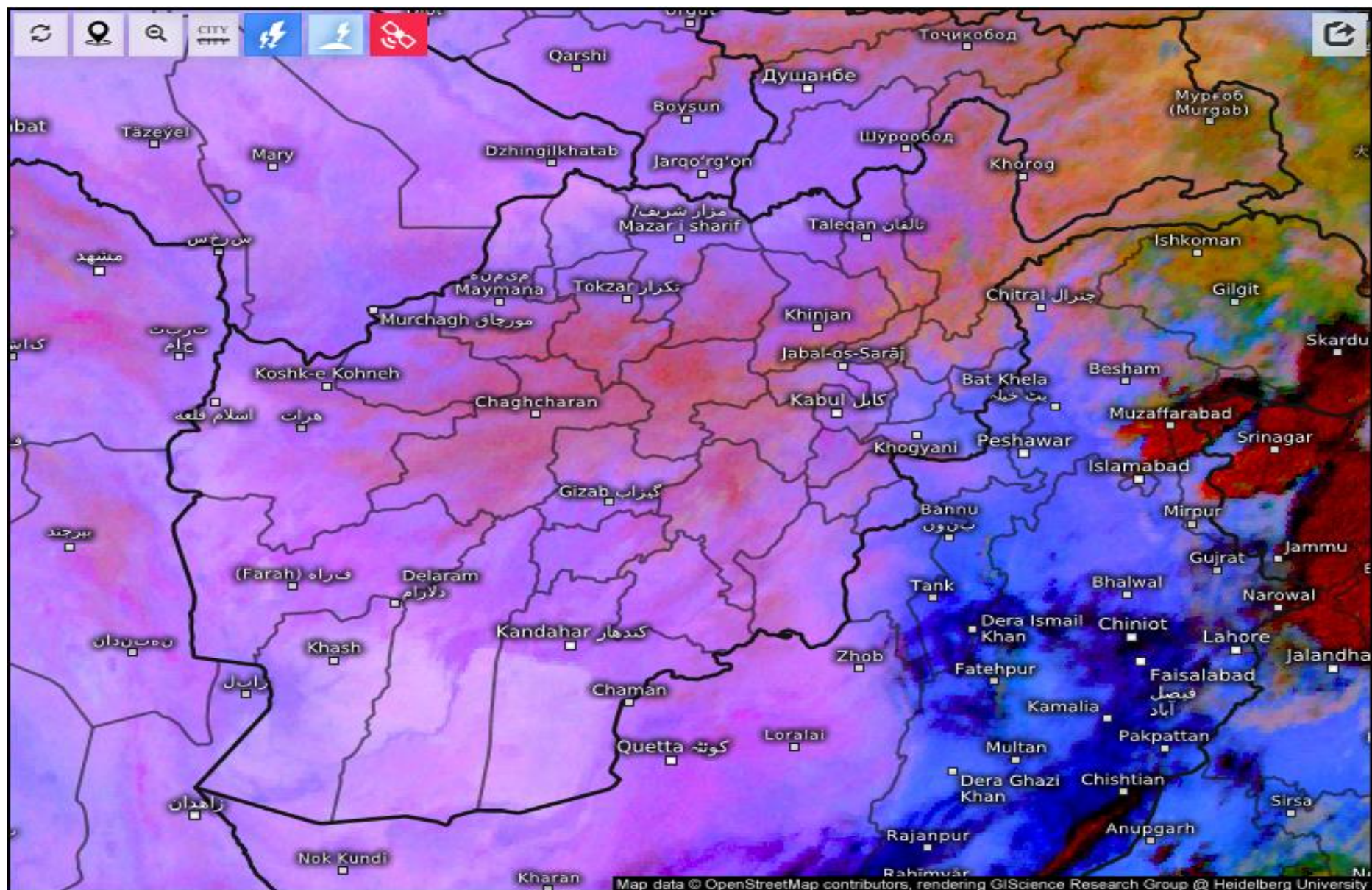


Warm Airmass
(low UTH)

R=
G=
B=

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust 

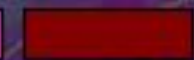
Sat 06/21/2025, 04:00am GMT+0430

UTC : 2025-06-20 14:15

Dust



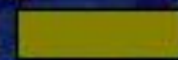
Dust



High-level cloud



Thick,
mid-level cloud



Thin,
mid-level cloud



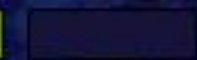
Ocean



Land



Low-level cloud

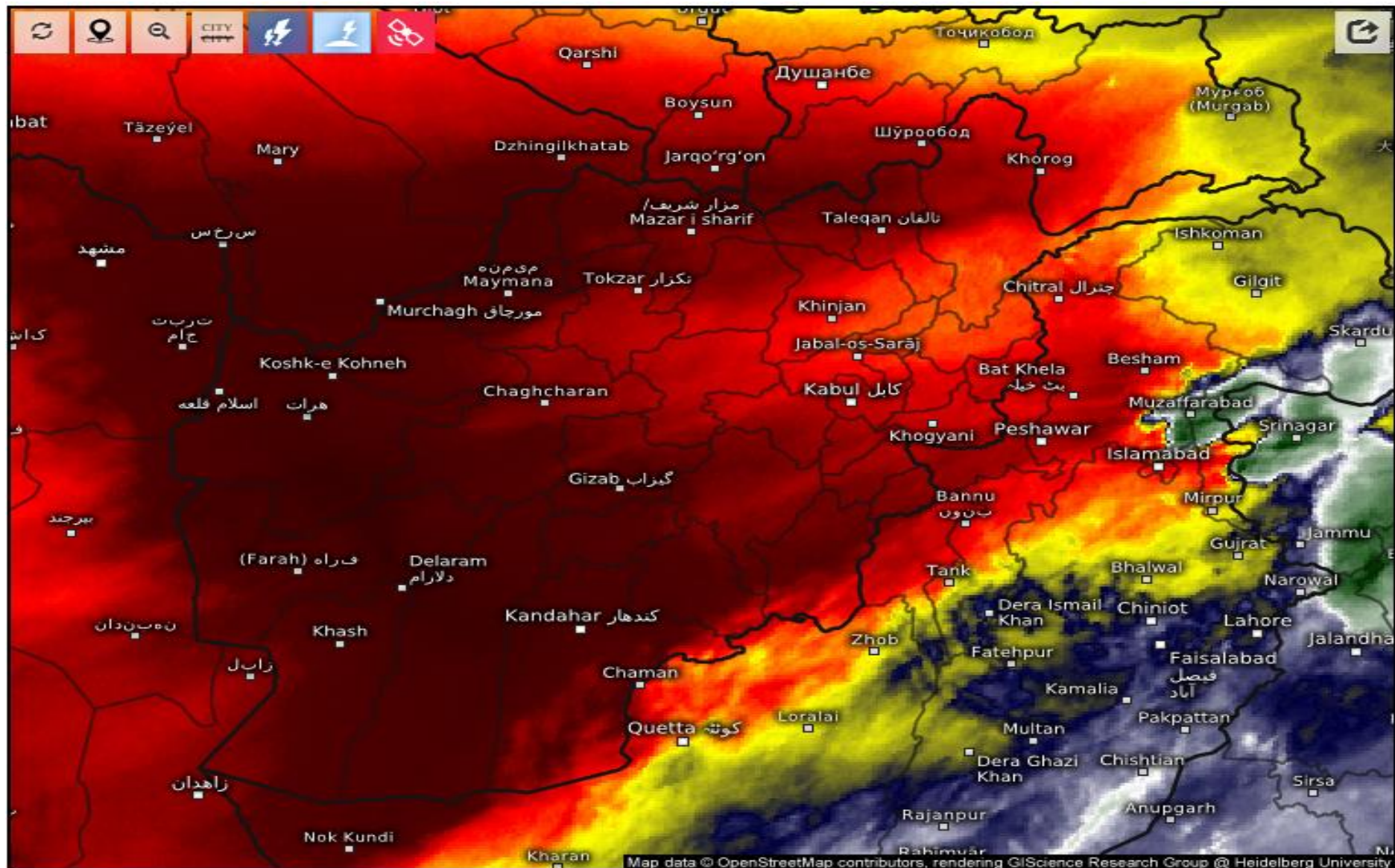


Cirrus

R = IR
G = IR
B = IR

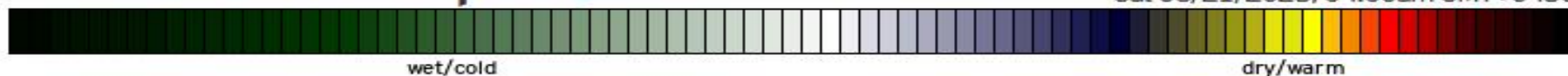
FY-4B Dust RGB Composite (From WMO)





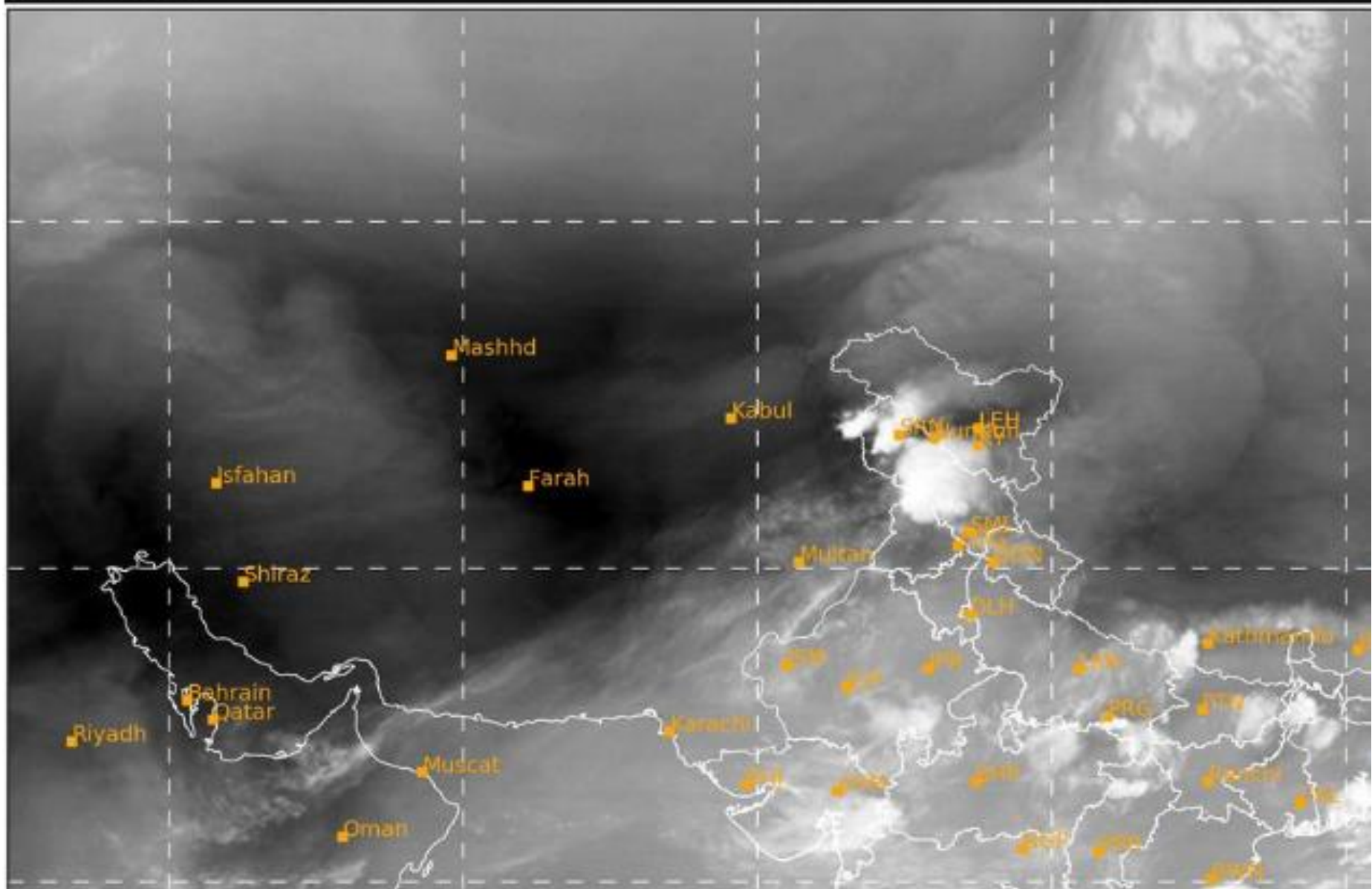
Satellite Water Vapor

Sat 06/21/2025, 04:00am GMT+0430



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

20-06-2025/(2245 to 2312) GMT
21-06-2025/(0415 to 0442) IST



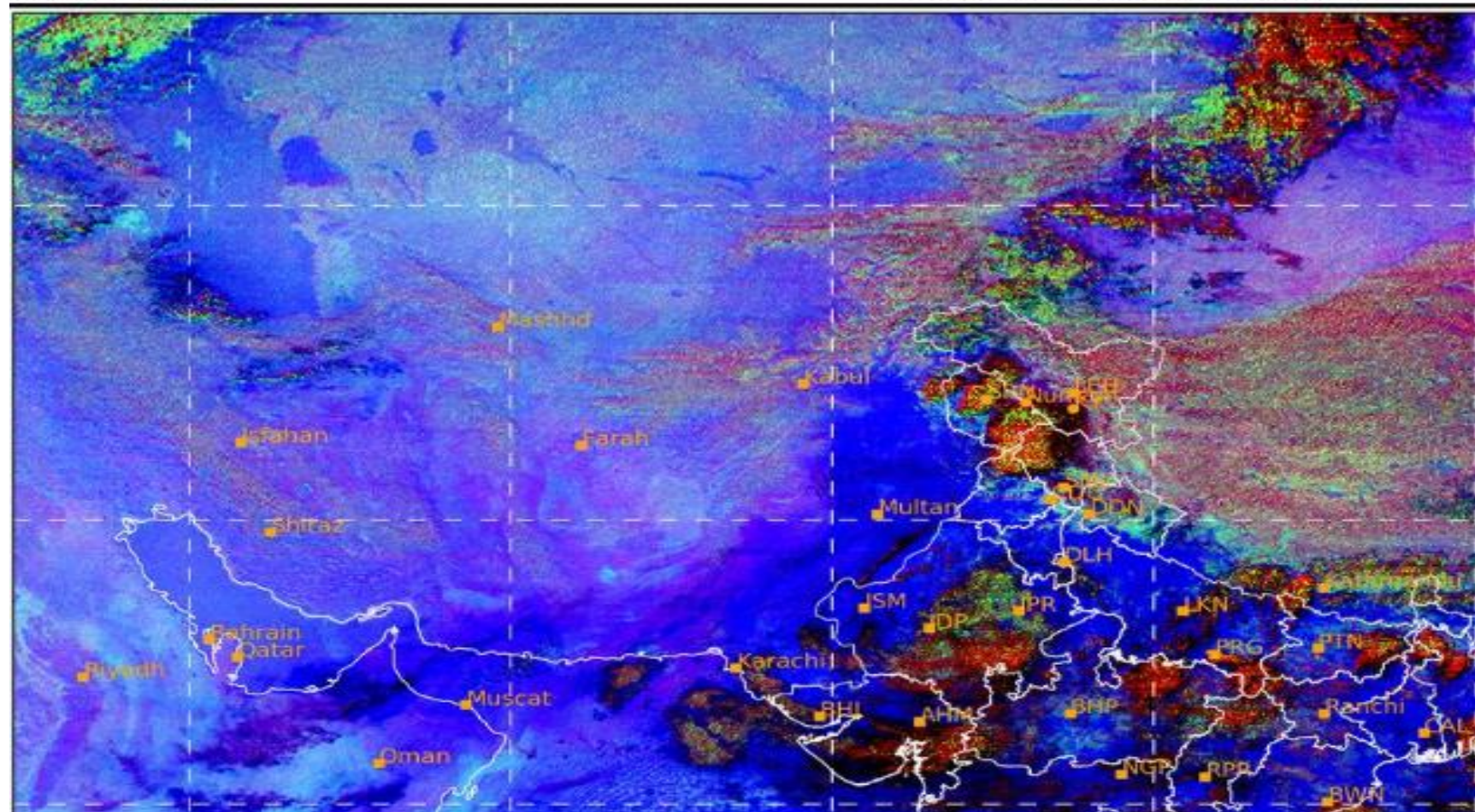
SAT : INSAT-3DR IMG

20-06-2025/(2245 to 2312) GMT

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

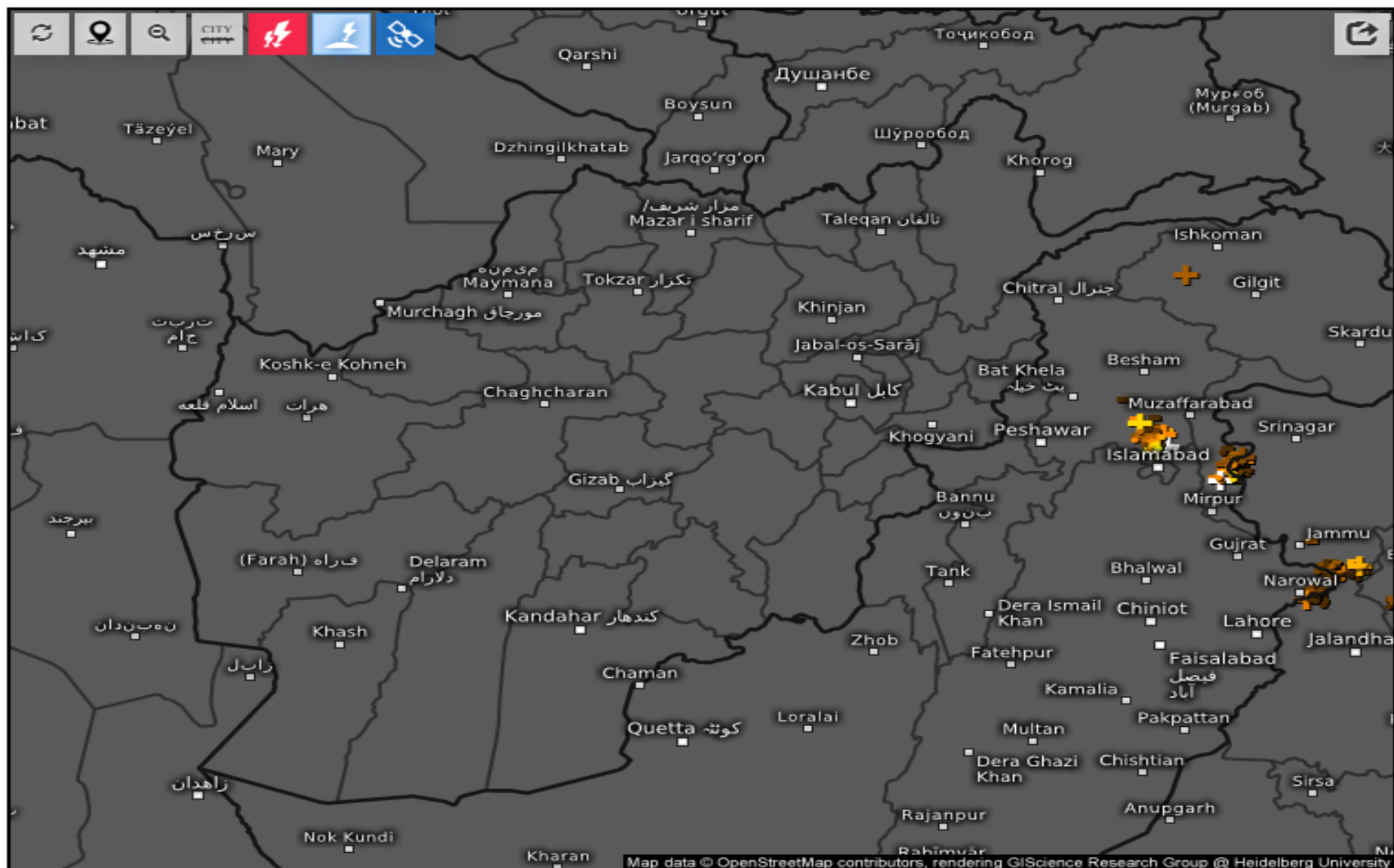
L1C Mercator

21-06-2025/(0415 to 0442) IST



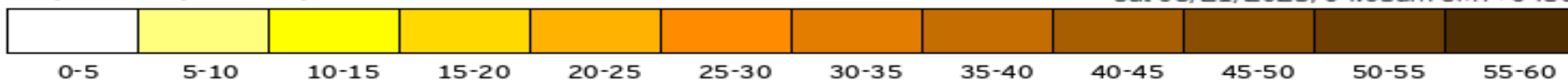
0 100% 0 60% 203 323K

Fog Low Clouds Mid Orographic Cloud CB Snow Dust



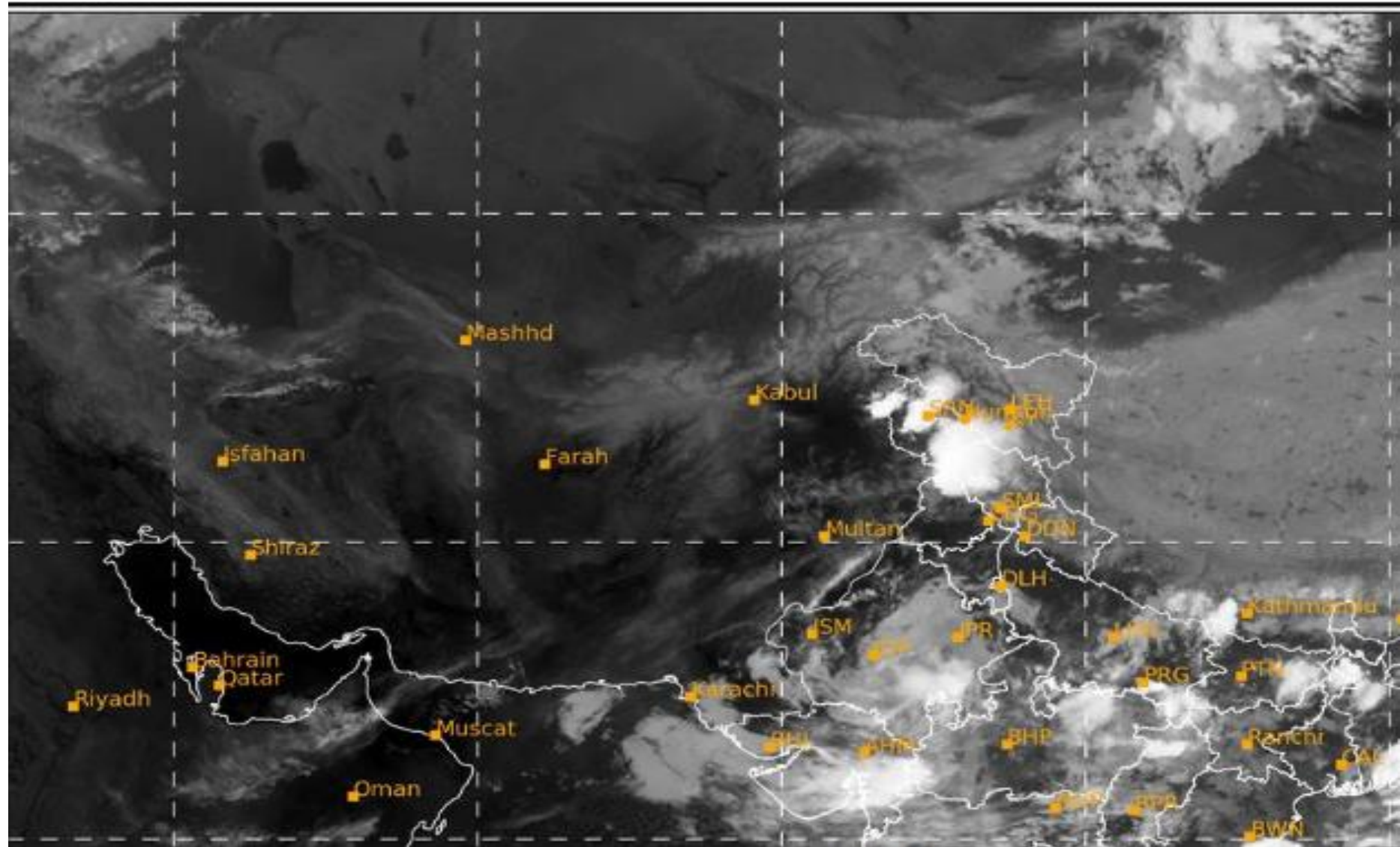
Age of lightning (minutes) 

Sat 06/21/2025, 04:05am GMT+0430



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

20-06-2025/(2245 to 2312) GMT
21-06-2025/(0415 to 0442) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-06-20 23:15(UTC)

