



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



Daily reports of Satellite imagery analysis. Date & Time: 20/09/2025, 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	X	√ moderate	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	X	√ weak	X	X	
6	Northeast	X	X	X	✓	X	√ moderate	X	X	
7	Southeast	✓	✓	X	X	X	√ dry	X	X	
8	Northwest	✓	X	X	X	X	√ dry	X	X	
9	Southwest	✓	✓	X	X	X	√ dry	X	X	

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

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

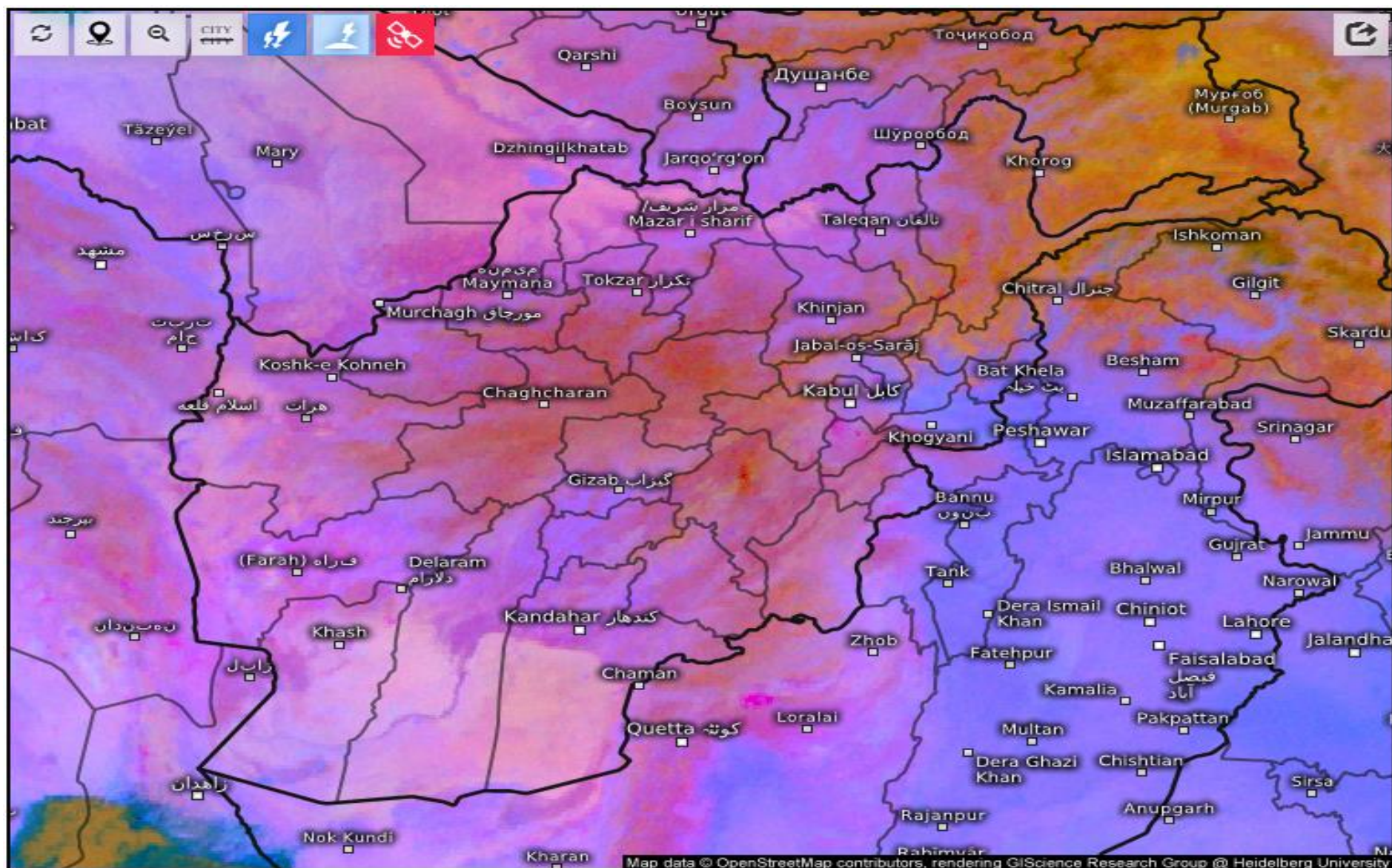
- Reported by: Esmatullah Mohammadi

UTC : 2025-09-19 15:30



FY-4B AirMass RGB Composite (From WMO)





Satellite Dust 

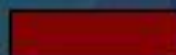
Sat 09/20/2025, 04:00am GMT+0430

UTC : 2025-09-19 07:00

Dust



Dust



High-level cloud



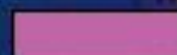
Thick,
mid-level cloud



Thin,
mid-level cloud



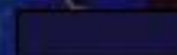
Ocean



Land



Low-level cloud

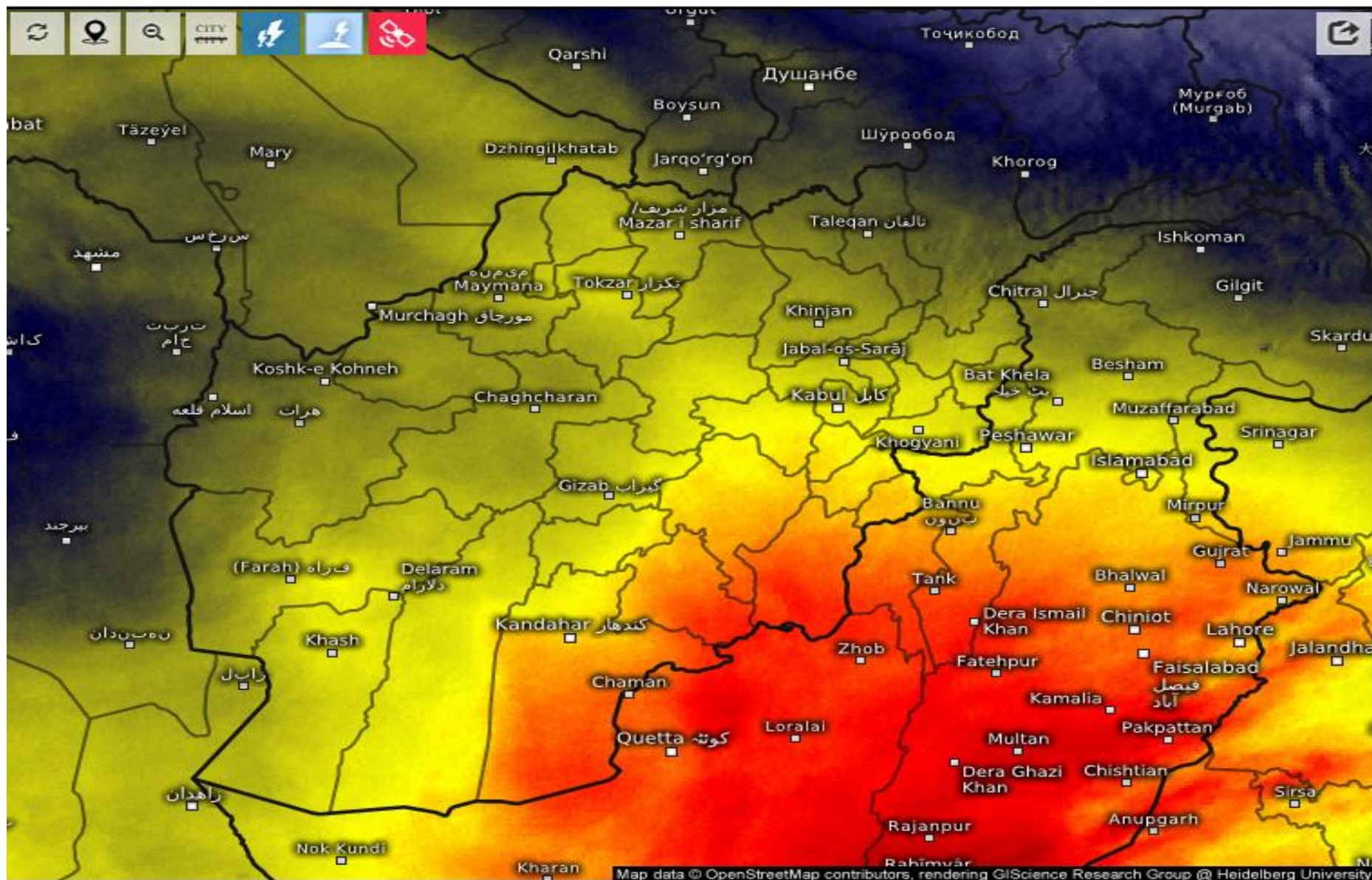


Cirrus

R = IR
G = IR
B = IR

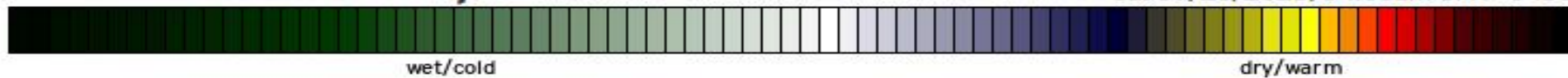
FY-4B Dust RGB Composite (From WMO)





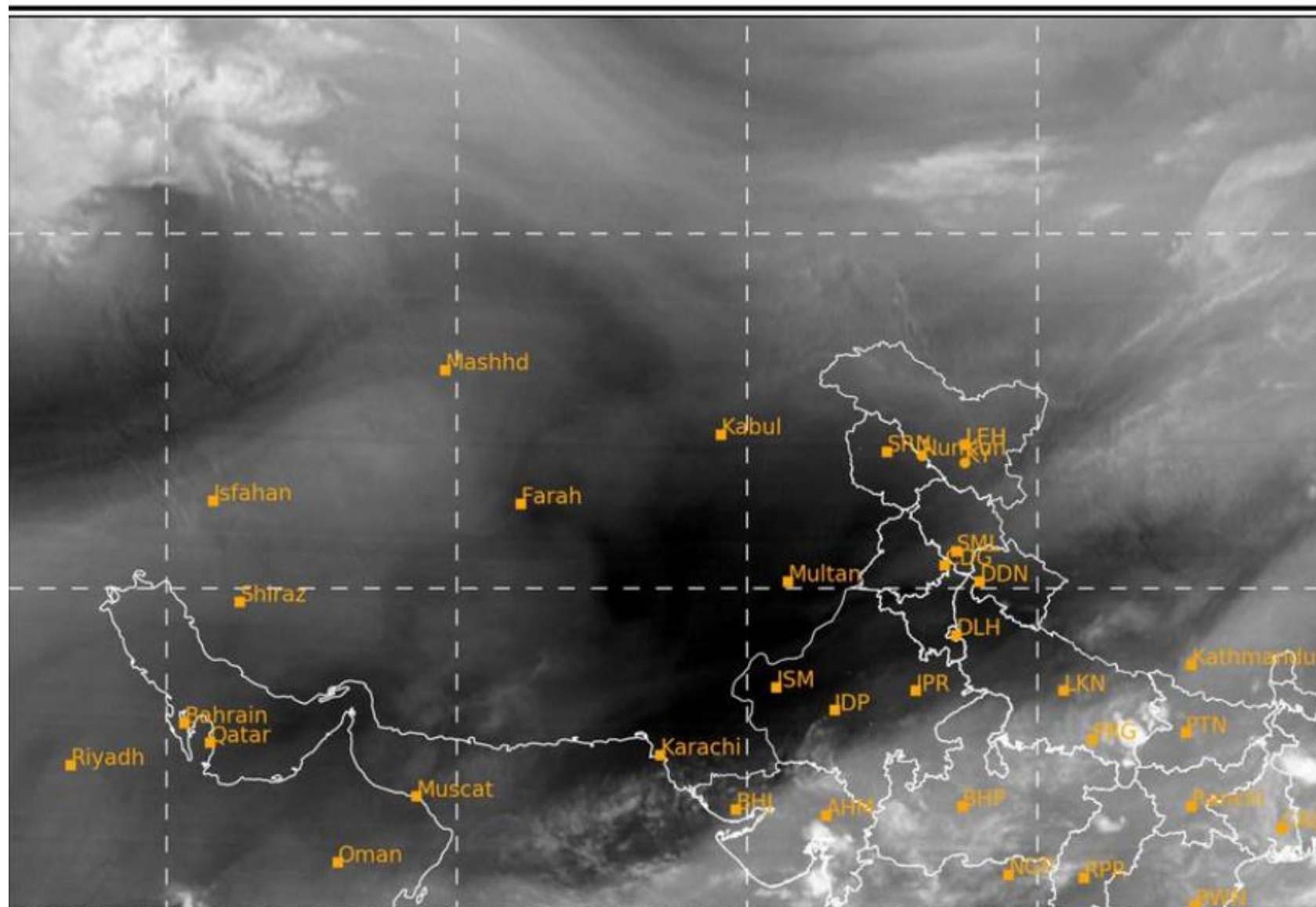
Satellite Water Vapor

Sat 09/20/2025, 04:00am GMT+0430



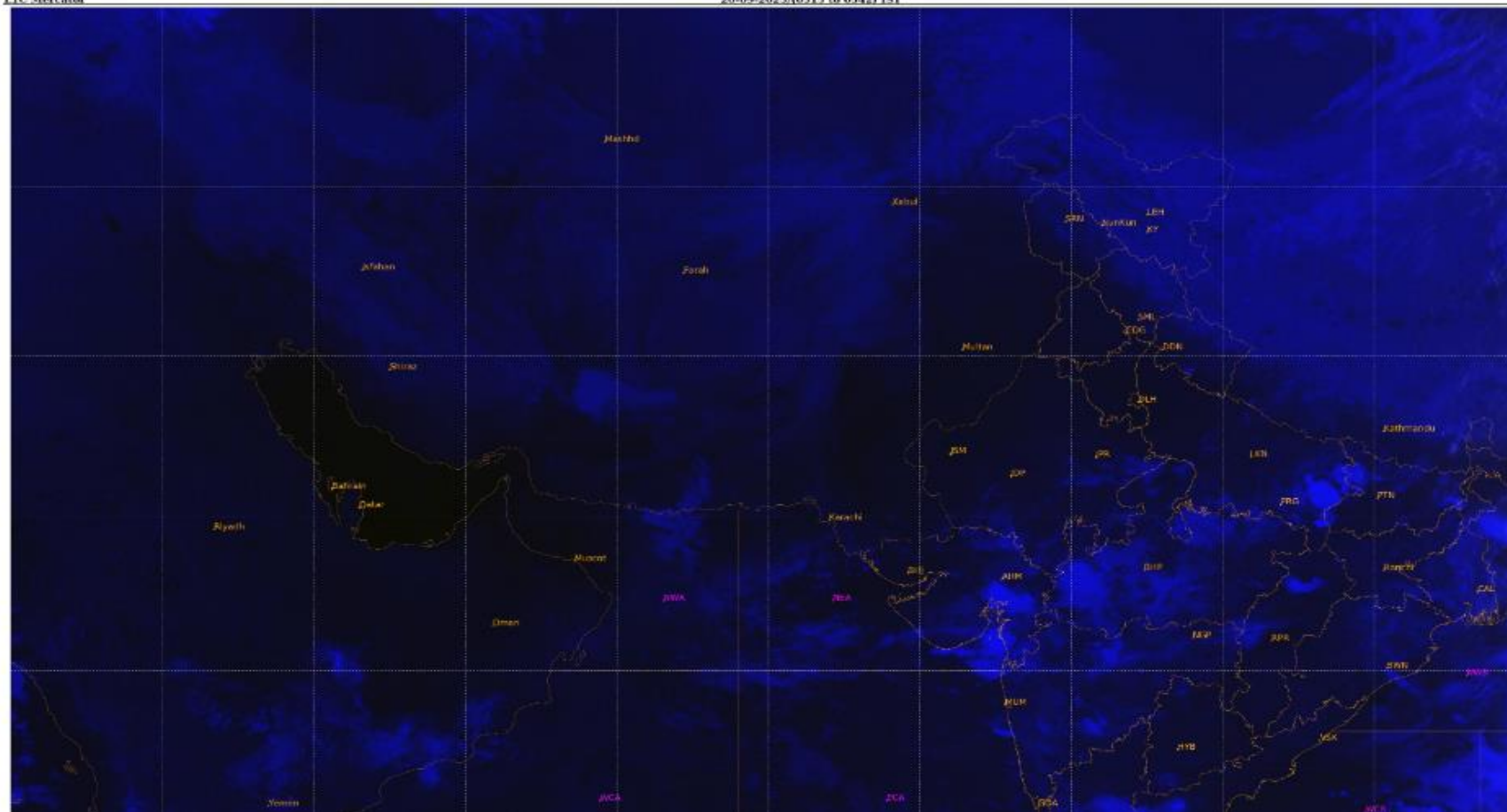
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

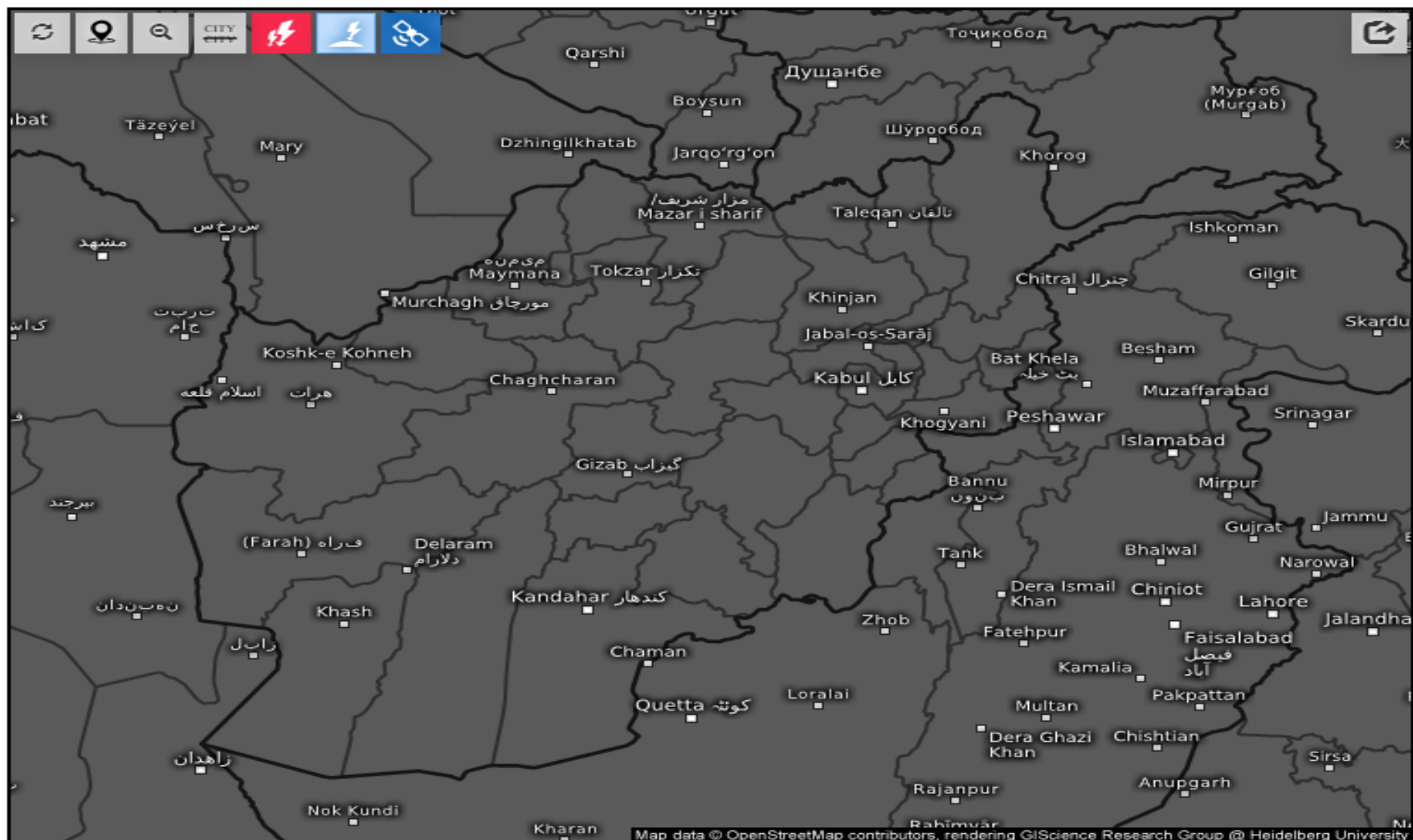
19-09-2025/(2345 to 0012) GMT
20-09-2025/(0515 to 0542) IST



SAT : INSAT-3DR IMG
 IMG_VIS 0.65 um(R), IMG_VIS 0.65 um(G), IMG_TIR1 10.8 um(B)
 L1C Mercator

19-09-2025/(2345 to 0012) GMT
 20-09-2025/(0312 to 0542) IST





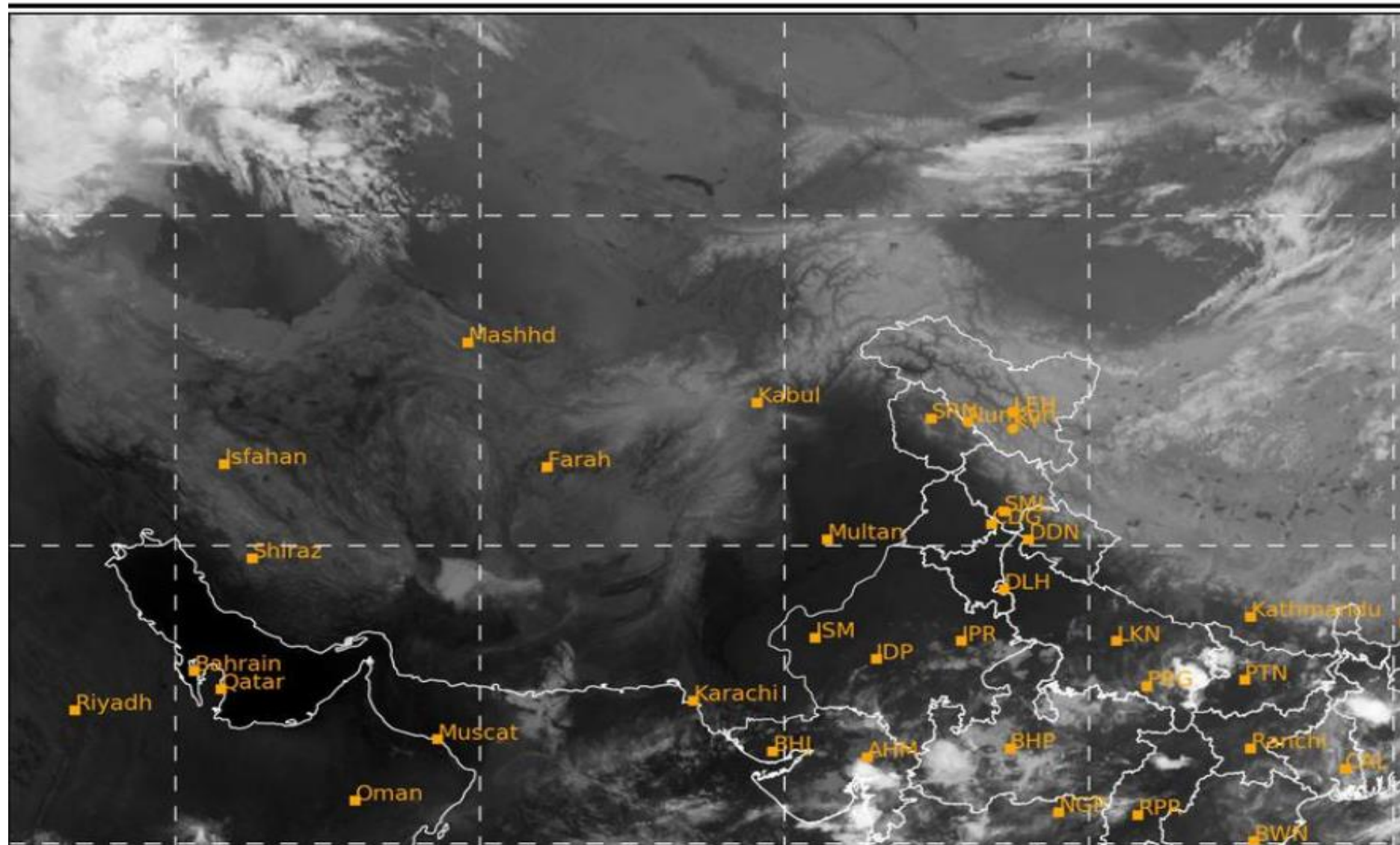
Age of lightning (minutes) 

Sat 09/20/2025, 04:00am GMT+0430

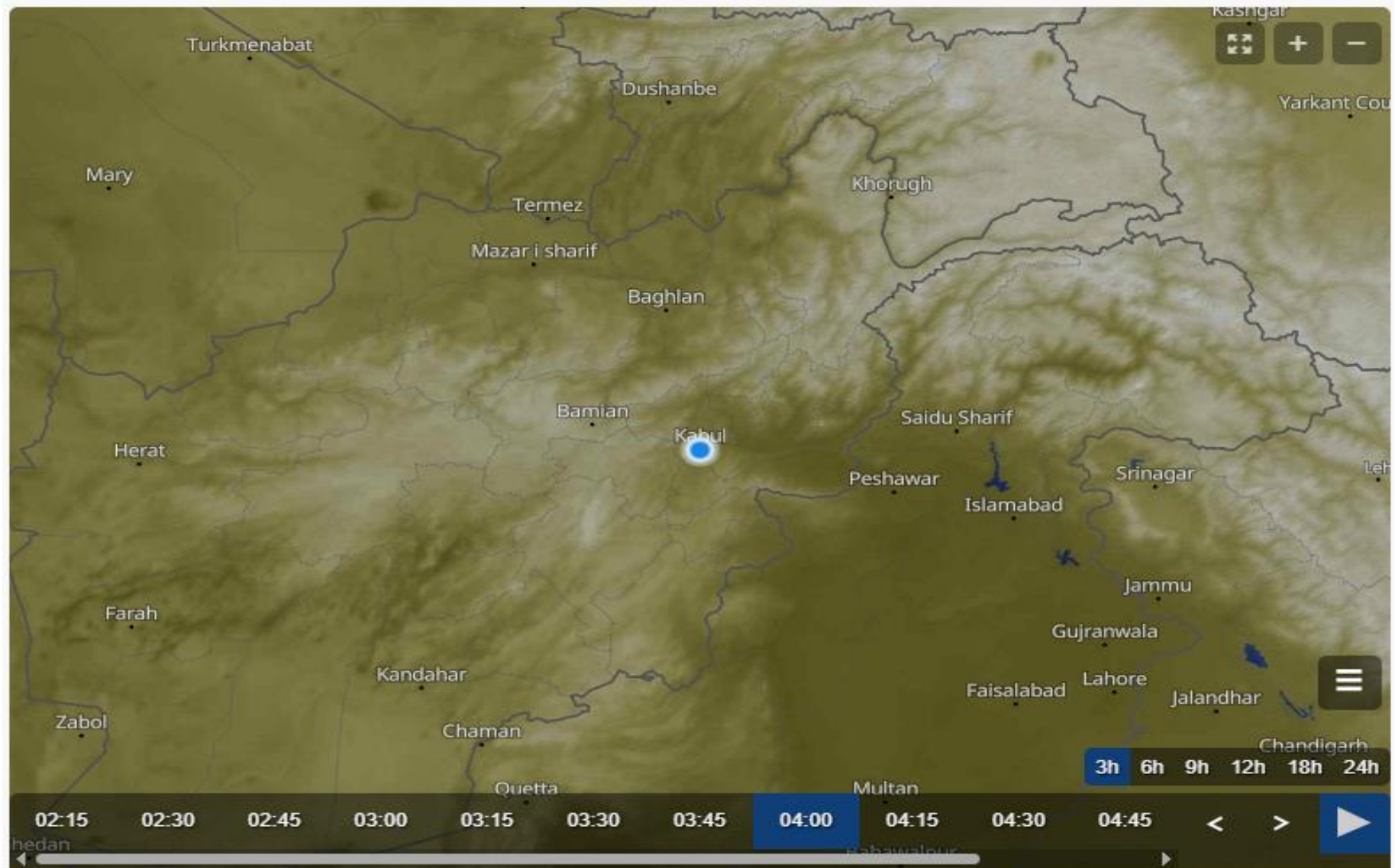


SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

19-09-2025/(2345 to 0012) GMT
20-09-2025/(0515 to 0542) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-09-20 00:30(UTC)

