



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



Daily reports of Satellite imagery analysis. Date & Time: 09-09-2026, 11:00 UTC

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

Details: according to satellite imagery analysis, the western, eastern, central, northeastern, southeastern, northwestern regions have weak warm air mass. The southern and southwestern regions have cold air mass. The southern, southeastern regions have dust. The eastern regions have thunder storm. The western, eastern and southeastern regions have cloudy sky. The southern, northeastern, southeastern, southwestern regions have weak water vapor, the northern, central regions have dry water vapor and the western, eastern, northwestern regions have moderate water vapor. The northern, and southwestern regions have Jetstream.

Not: ✓(existing phenomena) X (Not existing phenomena)

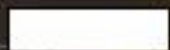
Reported by: Esmatullah Mohammadi

Legend:

Dust		Water vapor			Air mass		Thunder storm	Cloud	Fog	Jet stream	Cyclone & Anticyclone	
Weak Dust	Dust storm	Weak	Dry	Moderate	Warm	Cold					Cyclon	Anticyclo

UTC: 2026-09-09 01:30

AirMass



Thick,
high-level cloud



Thick,
mid-level cloud



Thick,
low-level cloud



Jet



Cold Airmass



Warm Airmass
(high UTH)



Warm Airmass
(low UTH)

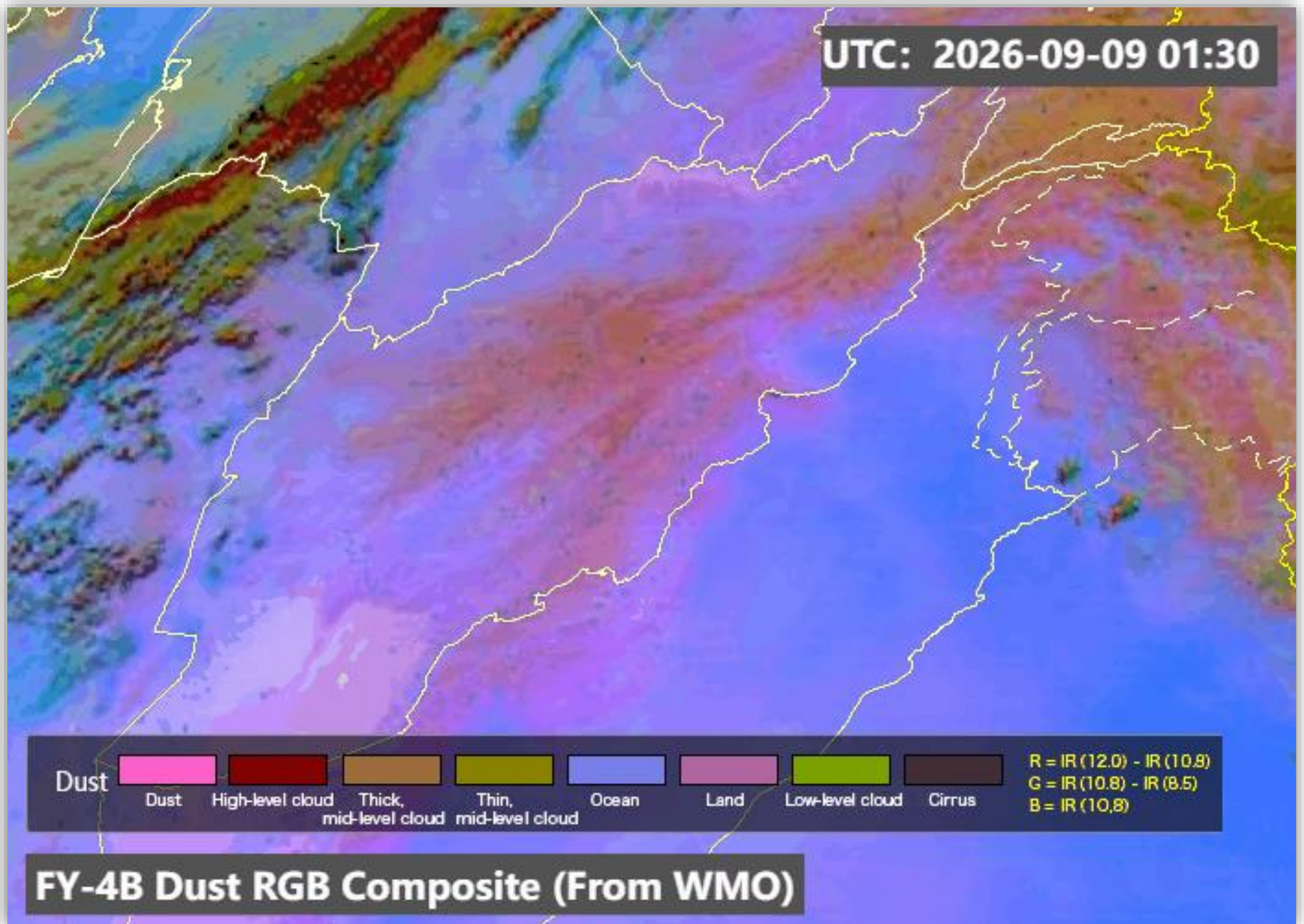
R = WV (6.25) - WV (7.1)

G = IR (8.5) - IR (10.8)

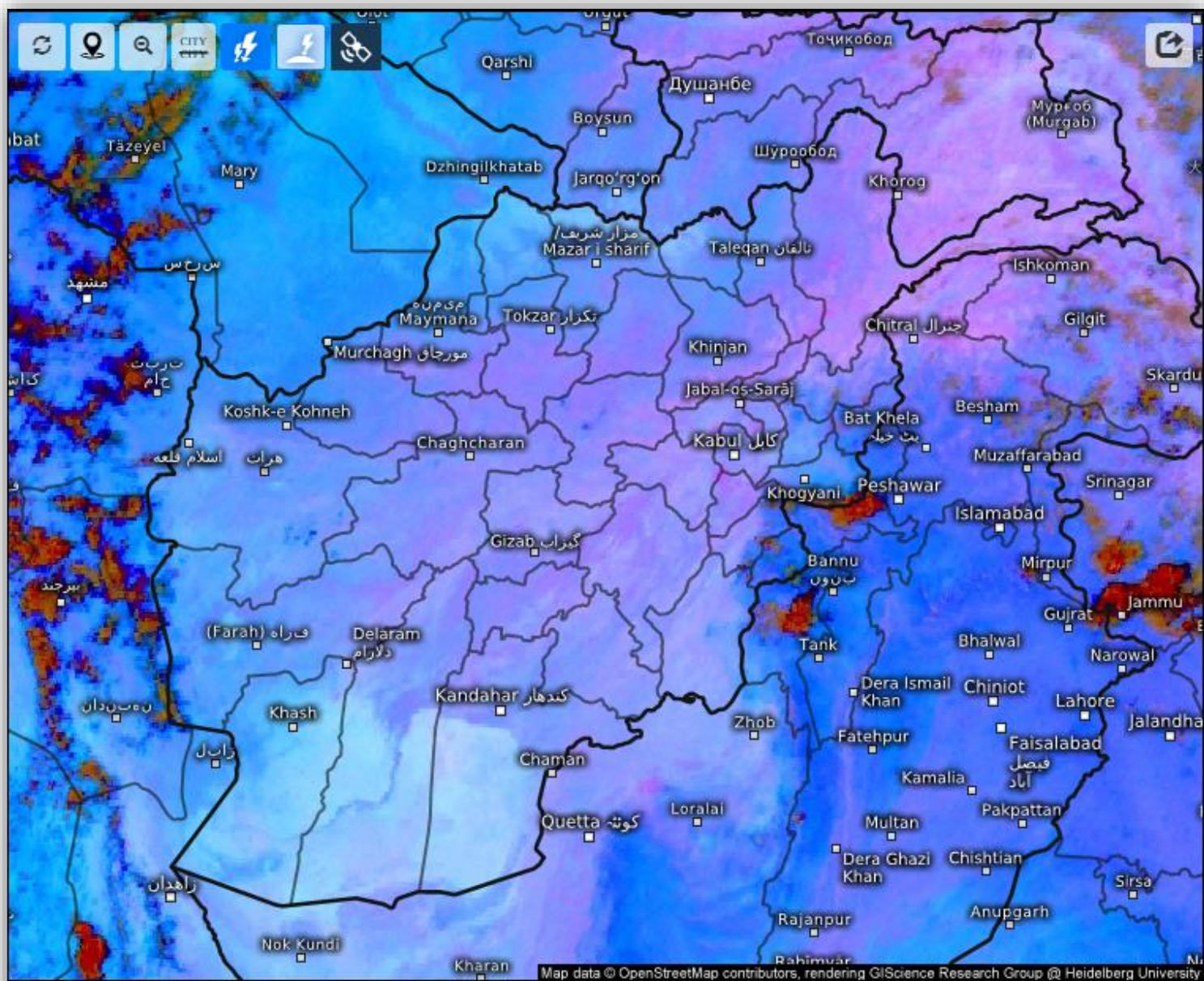
B = WV (6.25)

FY-4B AirMass RGB Composite (From WMO)

UTC: 2026-09-09 01:30

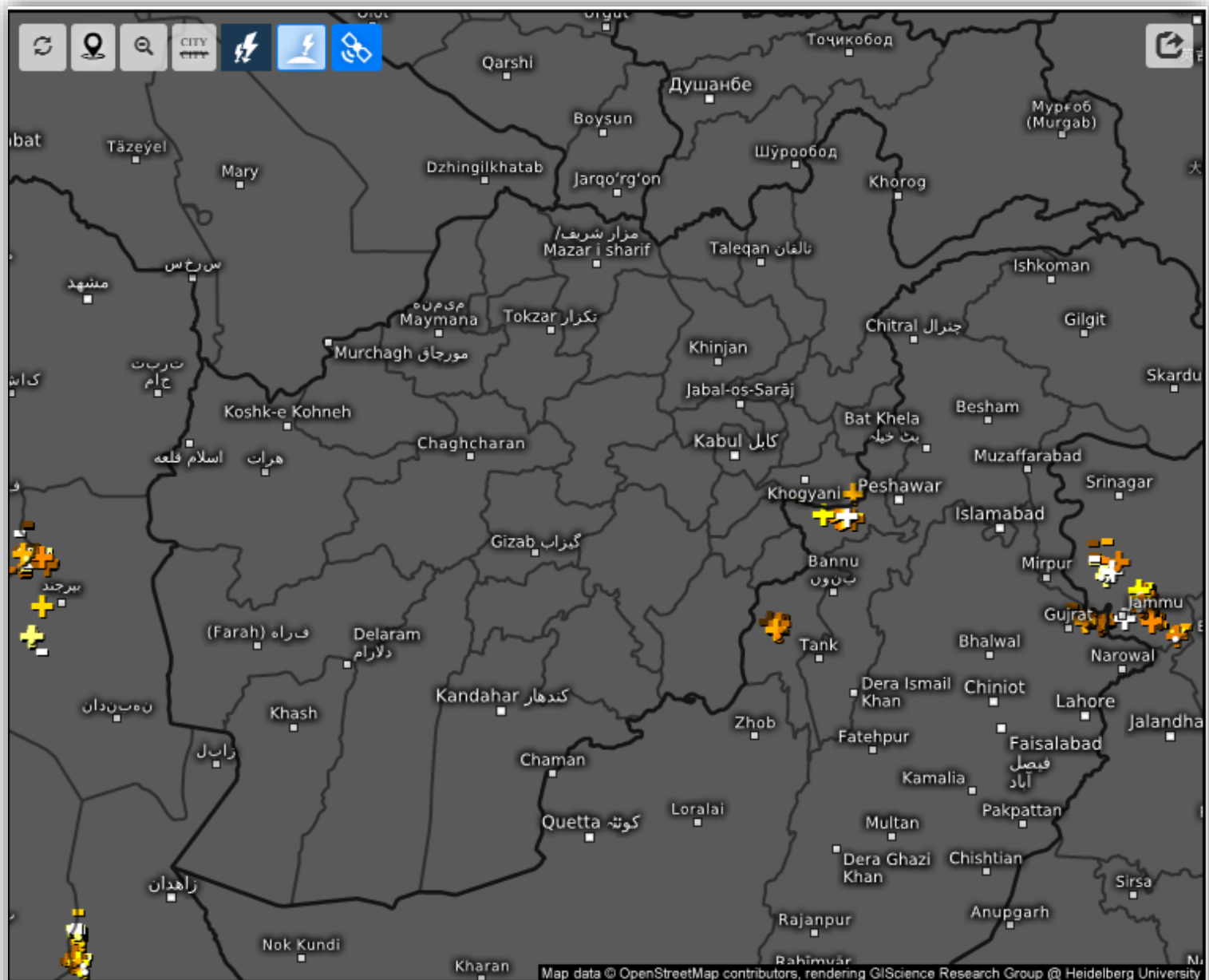


FY-4B Dust RGB Composite (From WMO)



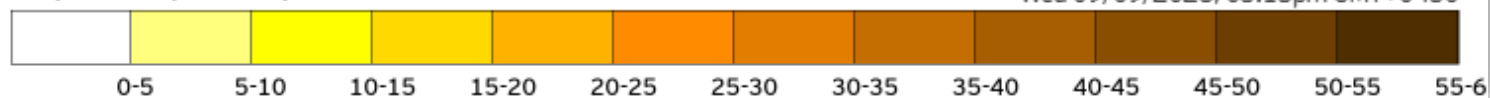
Satellite Dust 

Wed 09/09/2026, 03:00pm GMT+0430



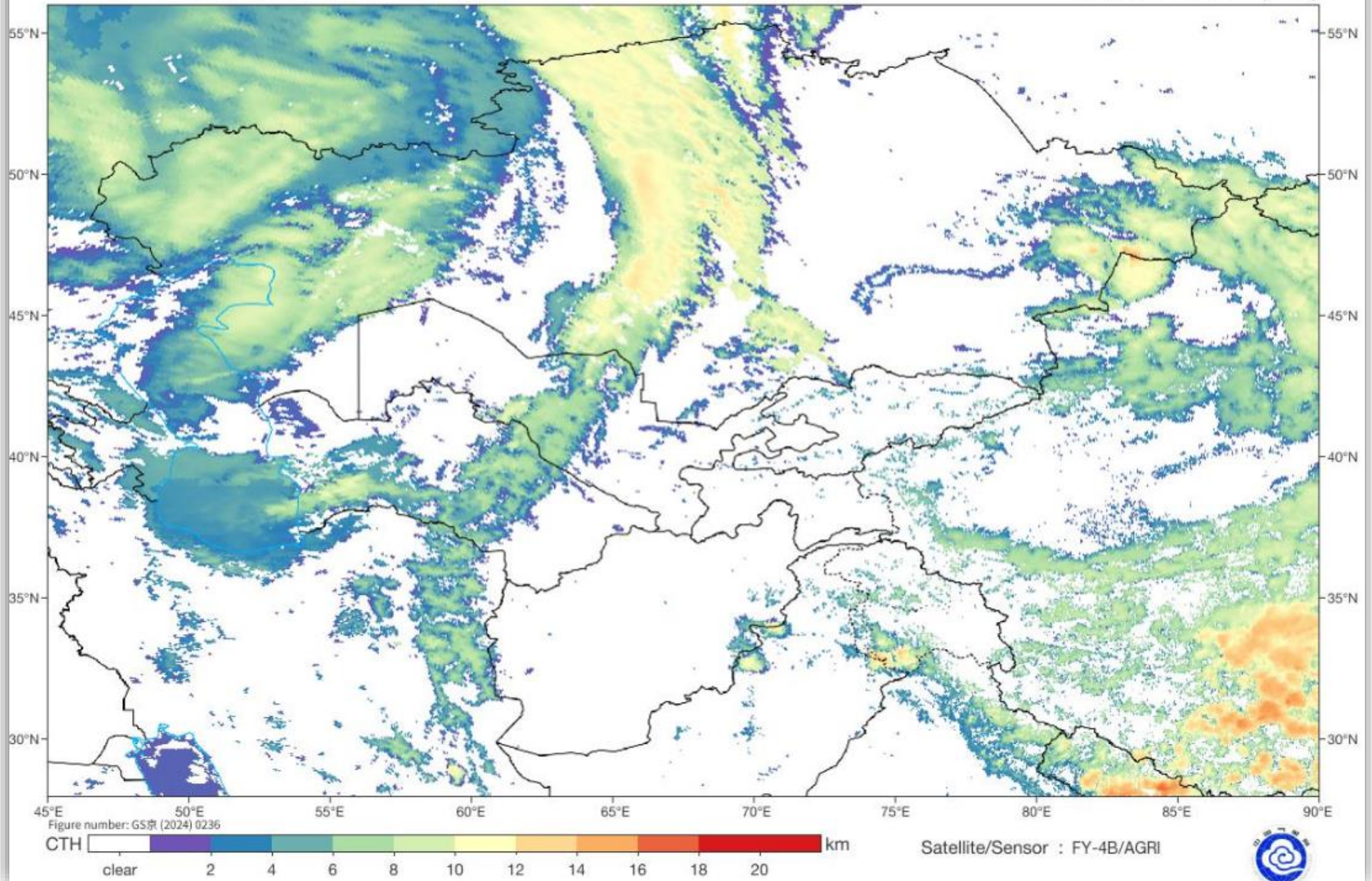
Age of lightning (minutes) 

Wed 09/09/2026, 03:15pm GMT+0430



Cloud Top Height

2026-09-09 10:15(UTC)



Live satellite map, Afghanistan



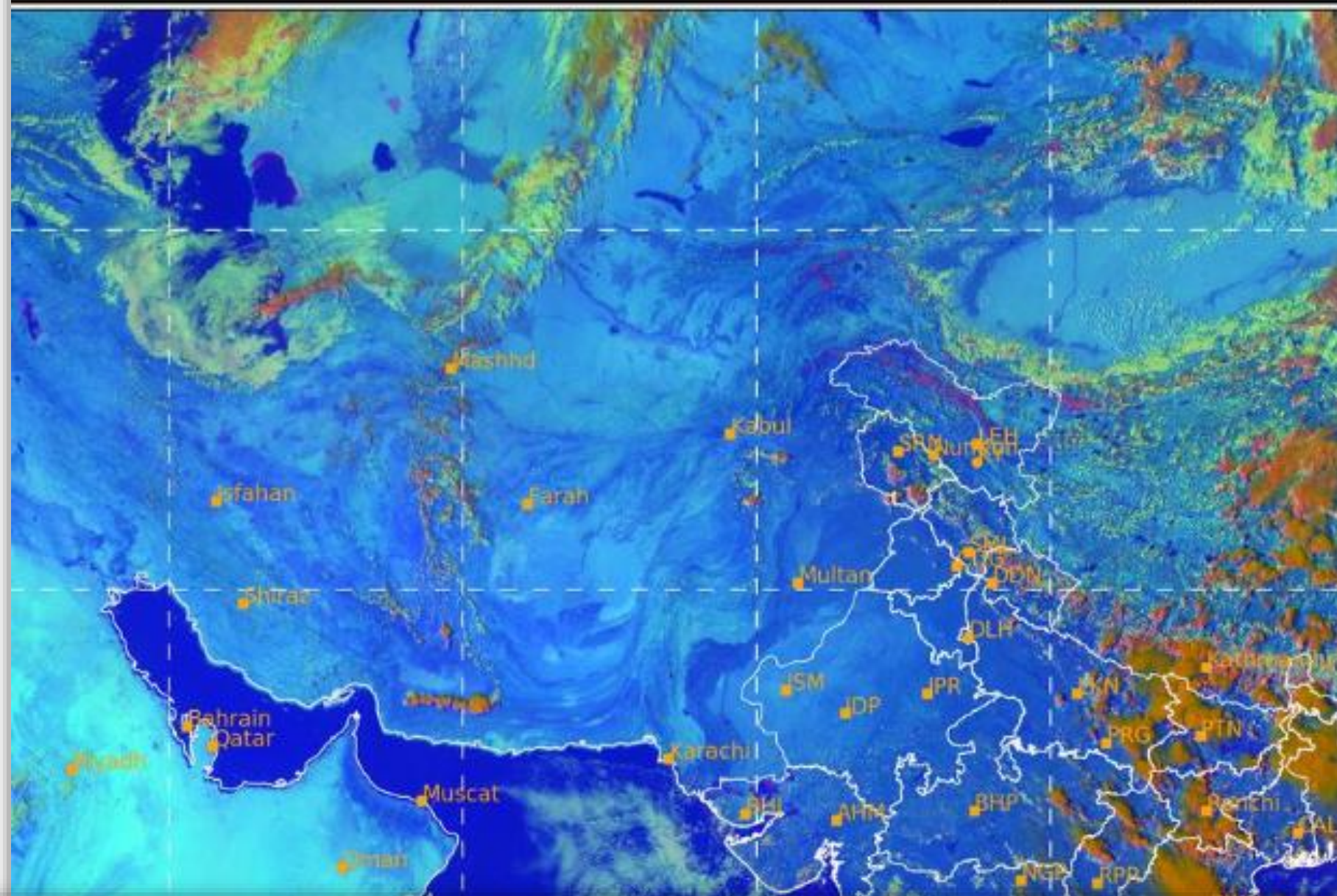
SAT : INSAT-3DR IMG

09-09-2026/(0945 to 1012) GMT

Day Microphysics: VIS_REFL (R), SWIR_REFL (G), TIR1_BT (B)

L1C Mercator

09-09-2026/(1515 to 1542) IST



0

100% 0

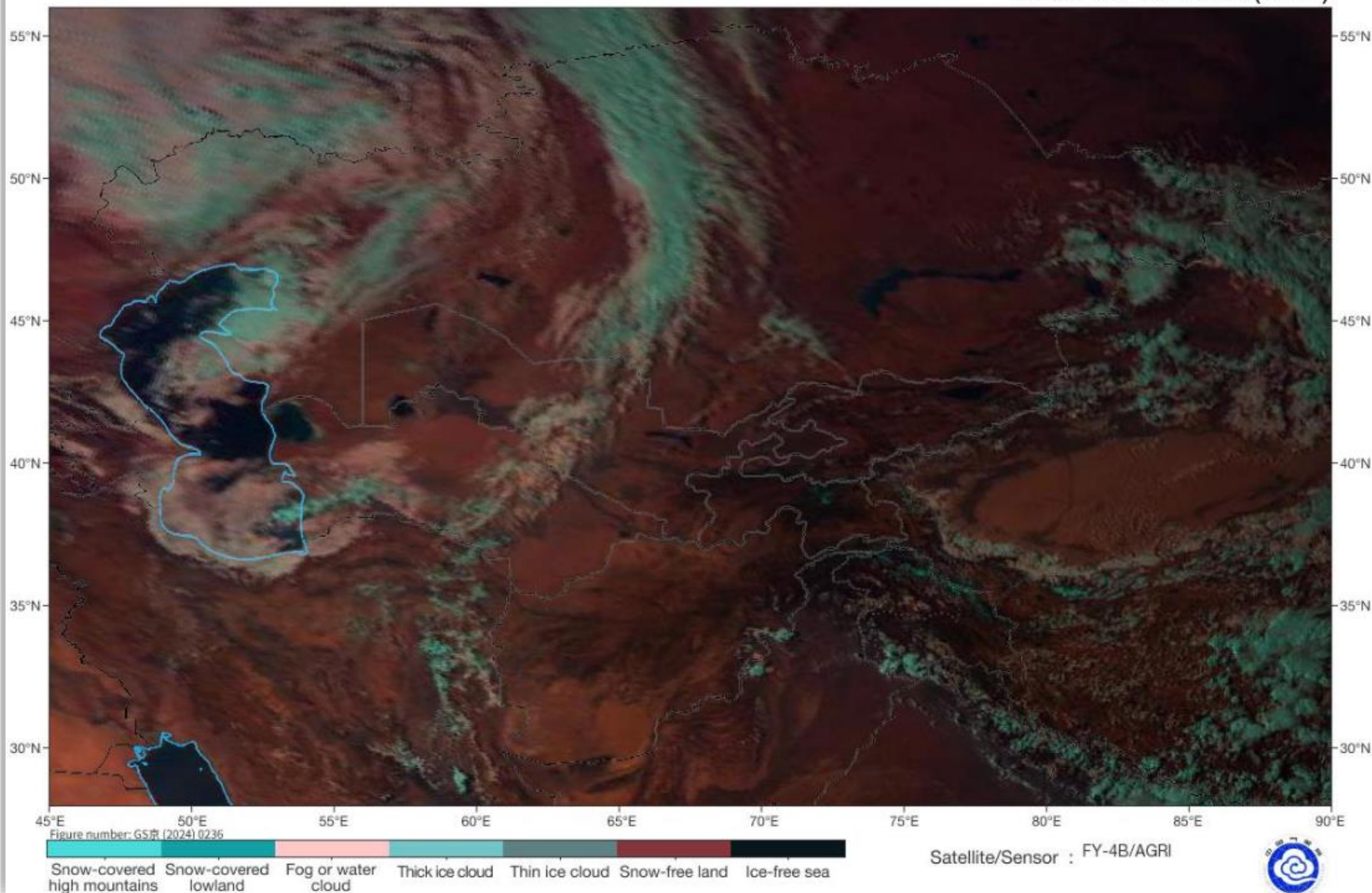
60% 203

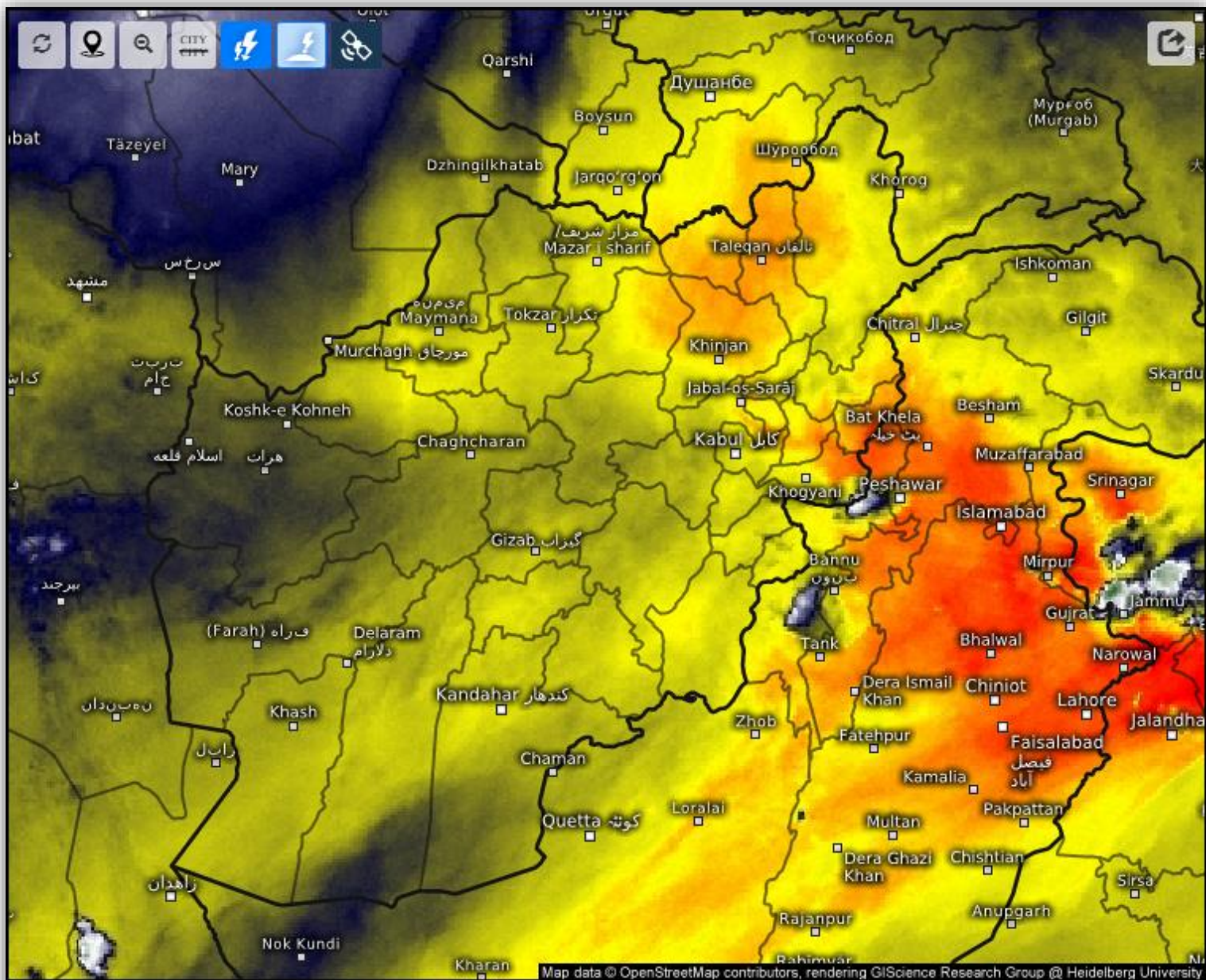
323K

Fog Low Clouds Mid Orographic Cloud CB Snow Dust

Fog Identification

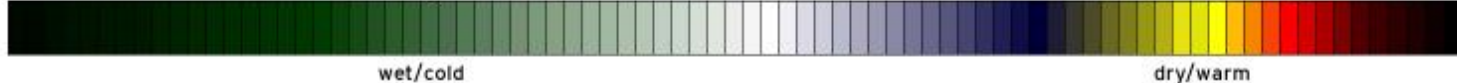
2026-09-09 10:30(UTC)





Satellite Water Vapor

Wed 09/09/2026, 03:00pm GMT+0430



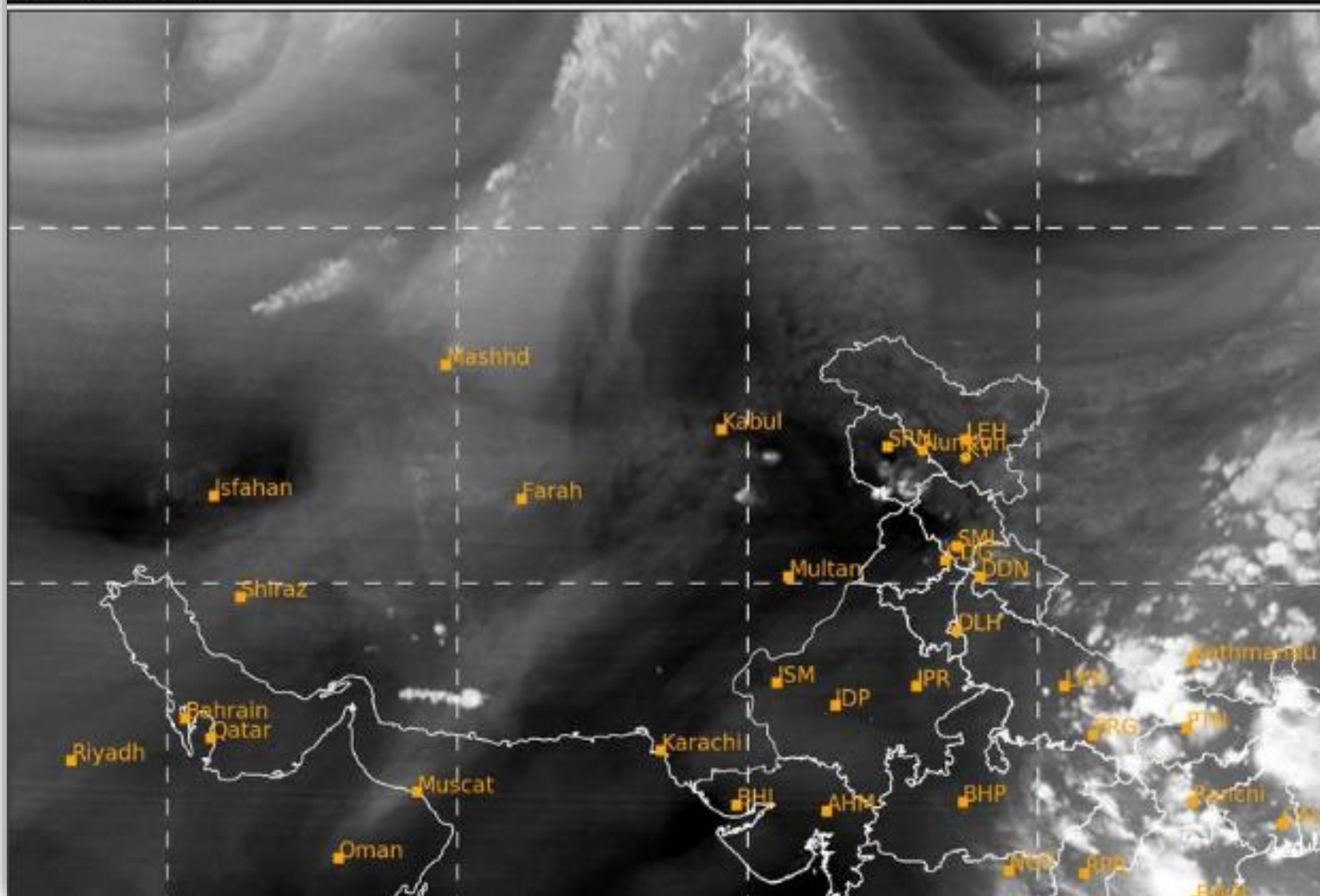
SAT : INSAT-3DR IMG

IMG_WV 6.8 um

L1C Mercator

09-09-2026/(0945 to 1012) GMT

09-09-2026/(1515 to 1542) IST



SAT : INSAT-3DR IMG

IMG_TIR1 10.8 um

L1C Mercator

09-09-2026/(0945 to 1012) GMT

09-09-2026/(1515 to 1542) IST

