



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



Daily reports of Satellite imagery analysis. Date & Time: 15-09-2026, 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	
4	East	✓	X	✓	✓	X	✓	X	X	
5	central	✓	✓	X	✓	X	✓	X	X	
6	Northeast	✓	✓	X	X	X	✓	X	X	
7	Southeast	✓	✓	X	X	X	✓	X	X	
8	Northwest	✓	X	X	✓	X	✓	X	X	
9	Southwest	✓	X	X	X	X	✓	X	X	

Details: according to satellite imagery analysis, the northern, southern, western, eastern, central, northeastern, southeastern, northwestern and southwestern areas have warm air mass. the southern, central, northeastern and southeastern areas have weak dust. the western and eastern areas have Lightening. the western, eastern, central and northwestern areas have partly cloudy sky. The northern and northwestern areas have moderate water vapor the southern, western, eastern, central, northeastern, southeastern and southwestern areas have weak water vapor.

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

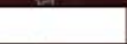
Reported by: Mohammad Jawed Moradi

Legend:

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

UTC: 2026-09-15 10:45

AirMass



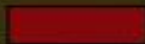
Thick,
high-level cloud



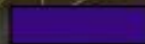
Thick,
mid-level cloud



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)

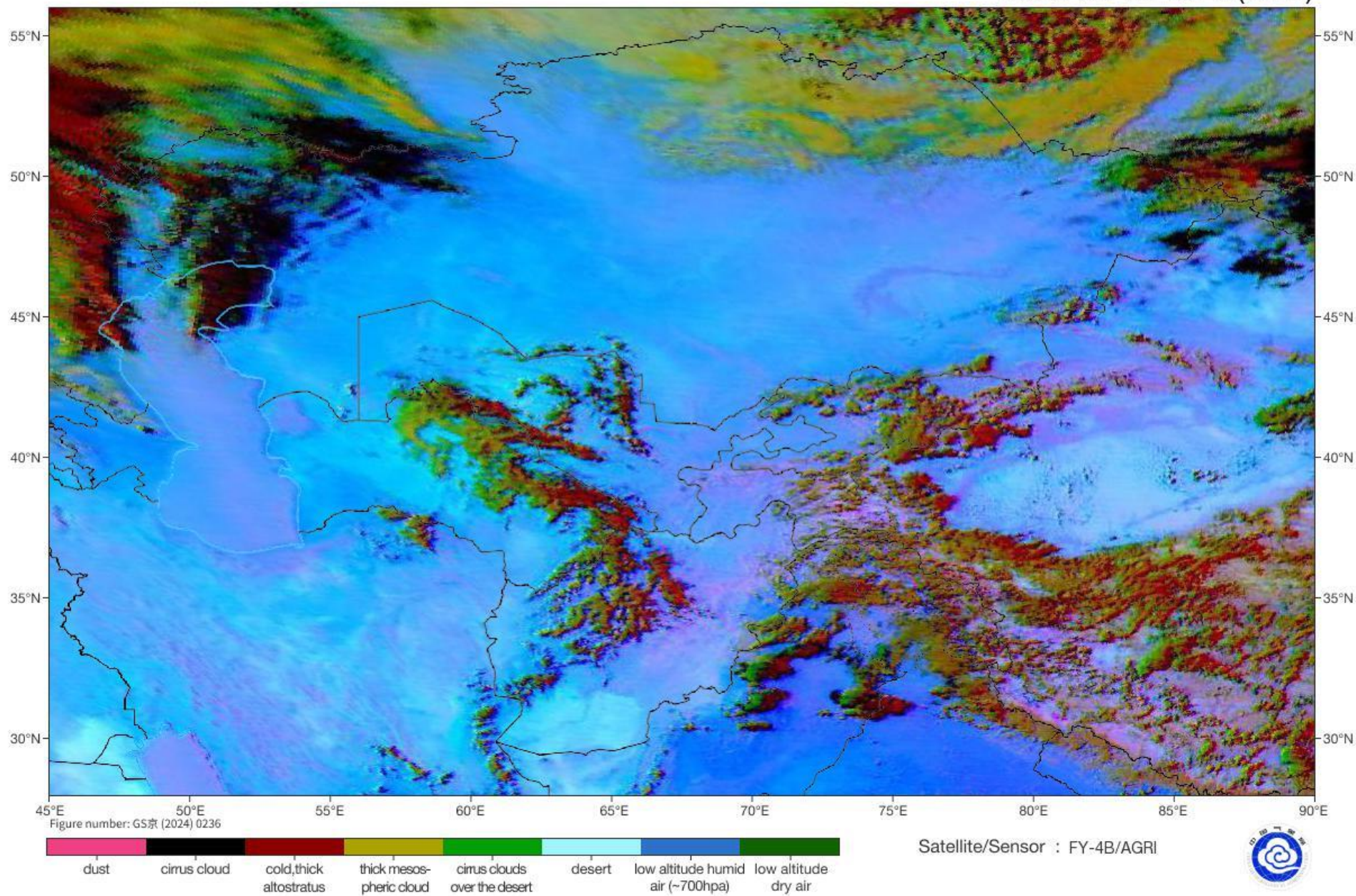
B = WV (6.25)

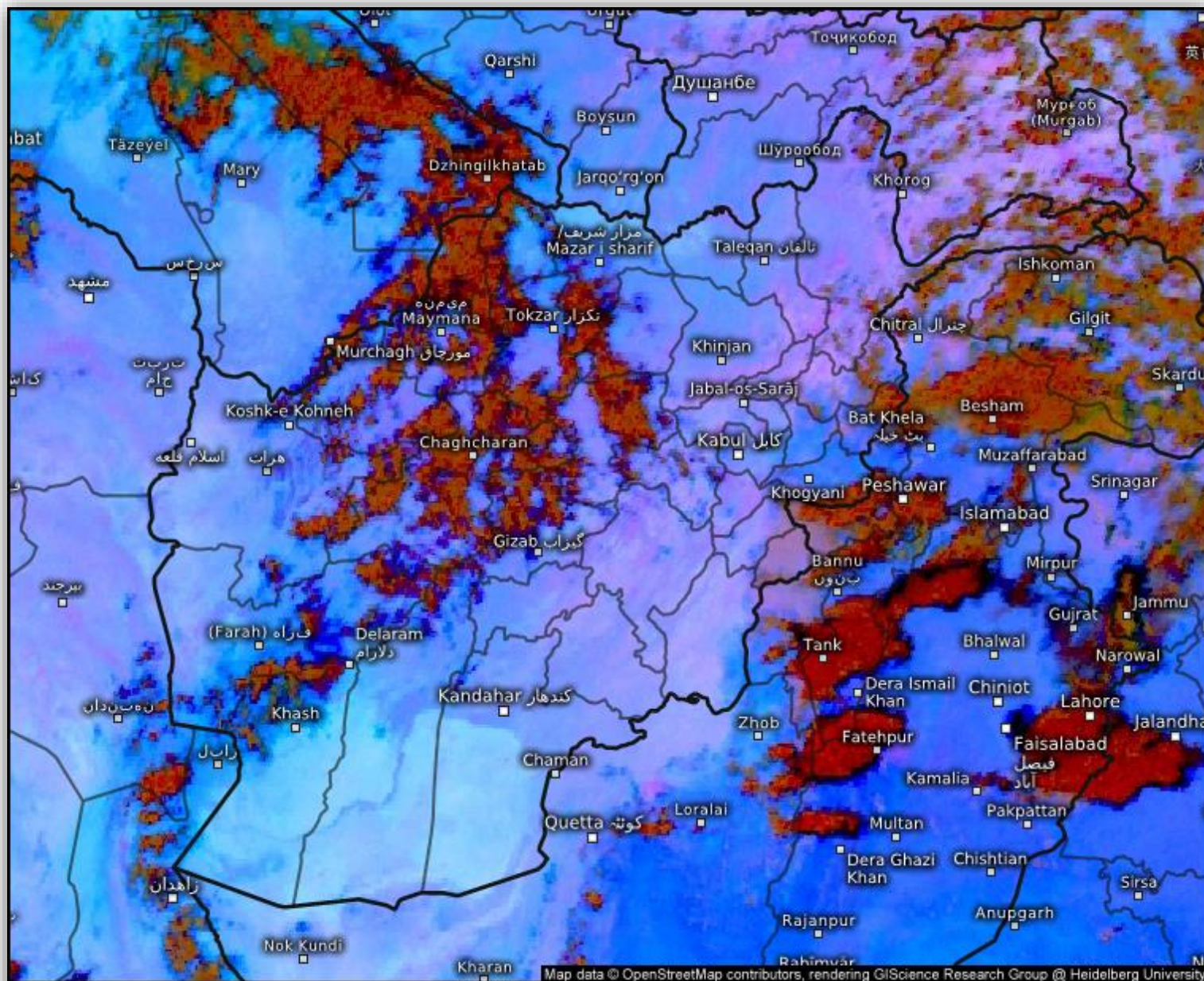
FY-4B AirMass RGB Composite (From WMO)



Sand And Dust Identification

2026-09-15 10:45(UTC)





Satellite Dust

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

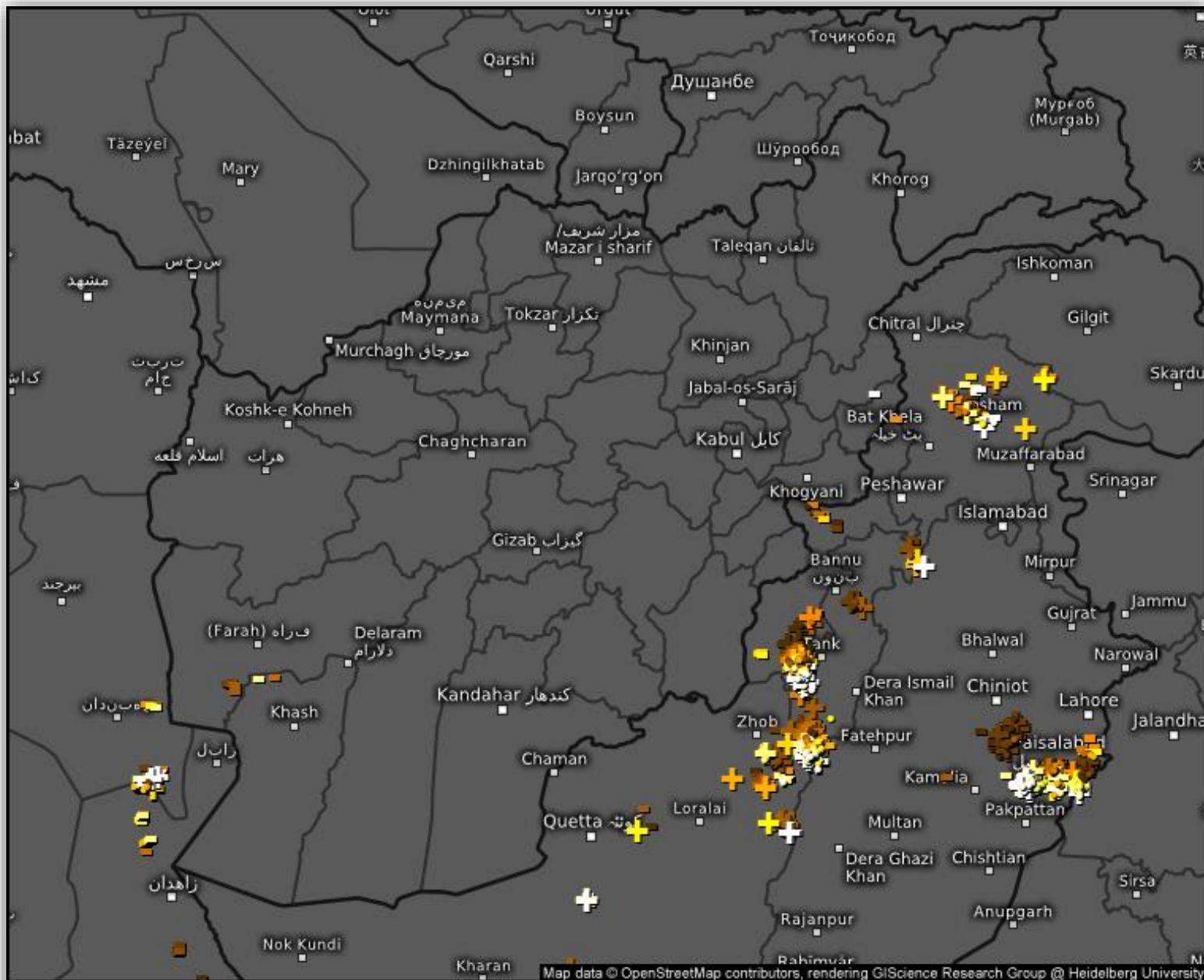
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Afghanistan

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Satellite data: EUMETSAT



Age of lightning (minutes)

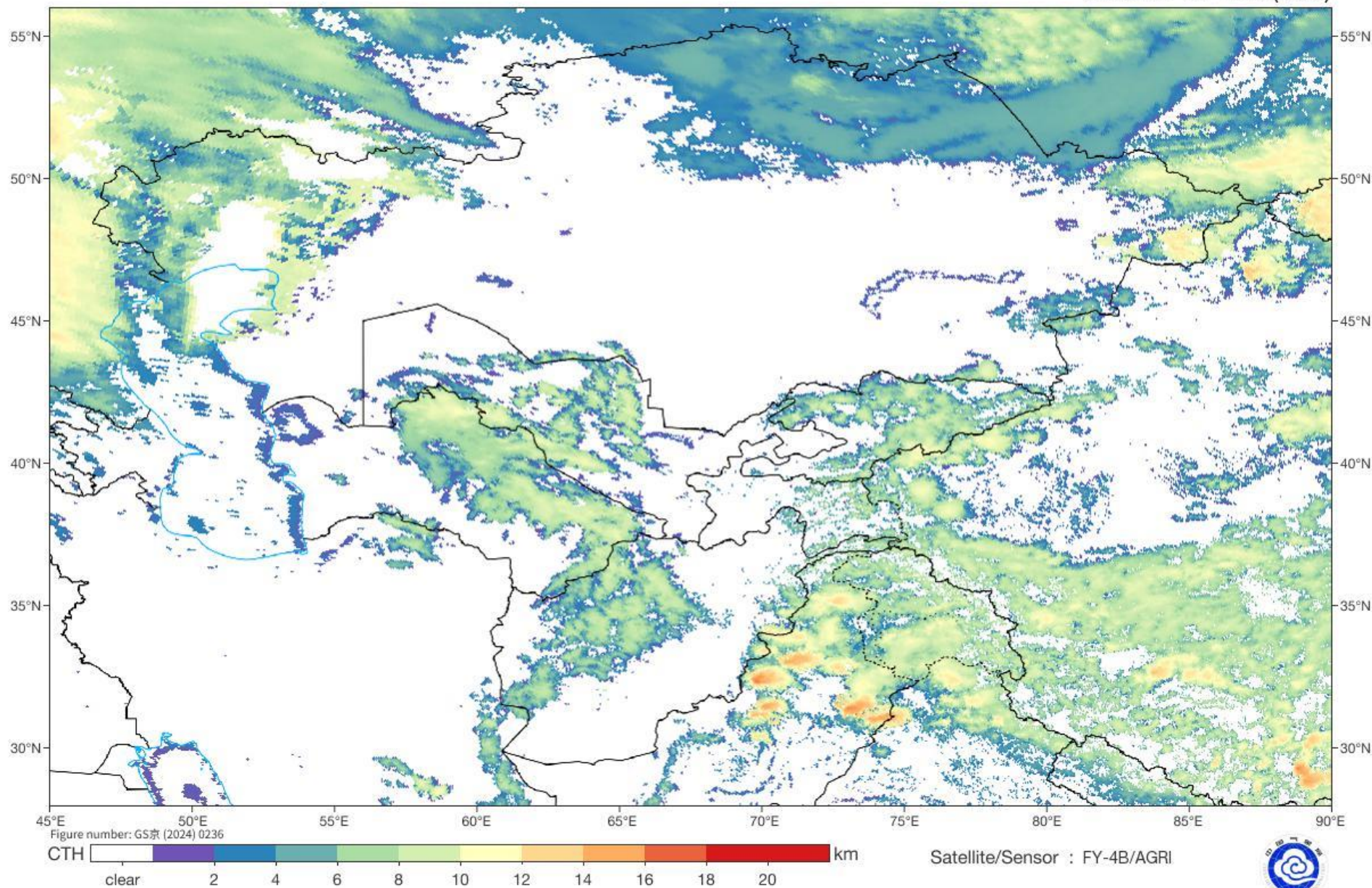
Tue 09/15/2026, 03:30pm GMT+0430



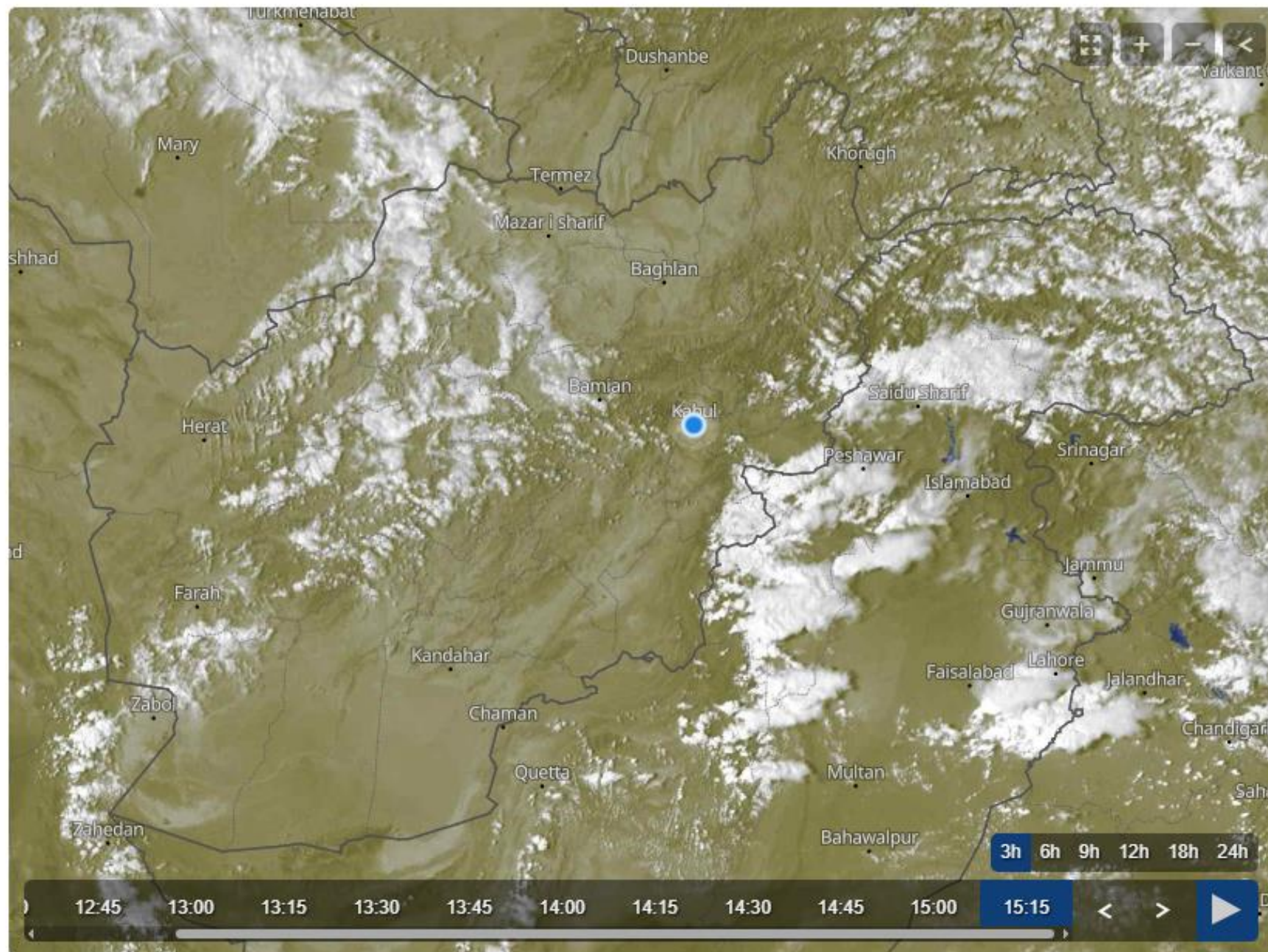
Afghanistan

Cloud Top Height

2026-09-15 10:00(UTC)



Live satellite map, Afghanistan



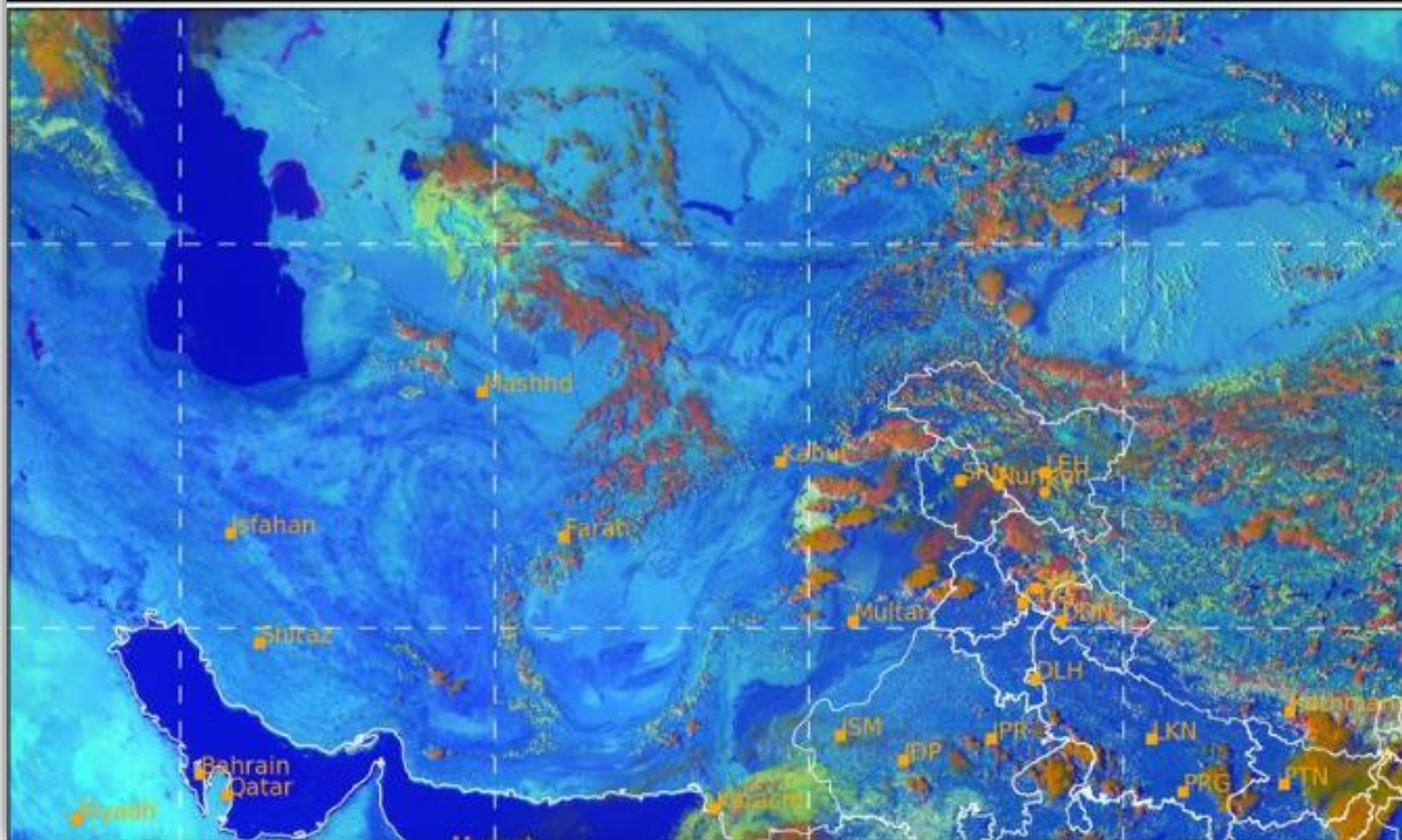
SAT : INSAT-3DR IMG

15-09-2026/(0945 to 1012) GMT

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

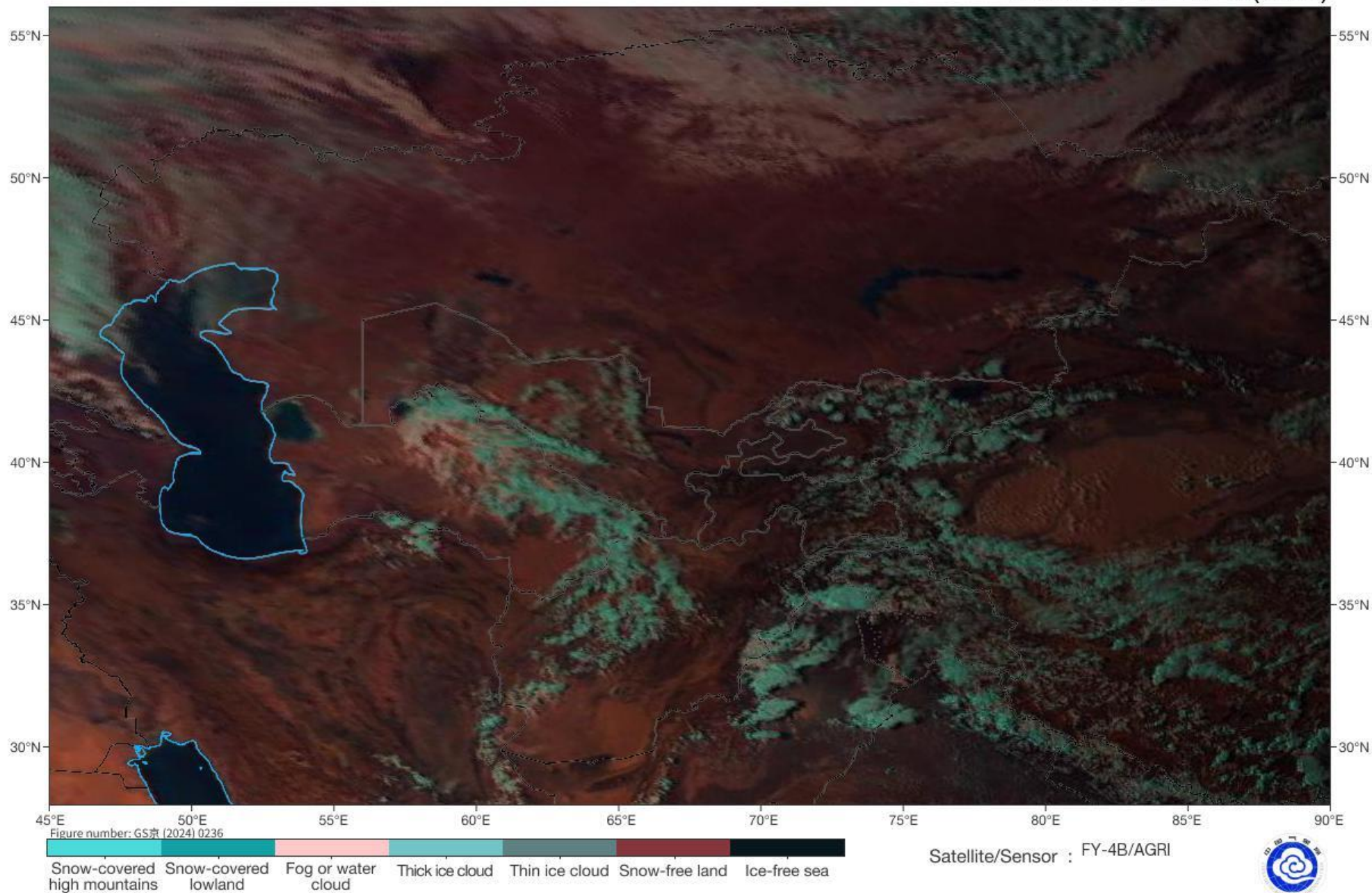
L1C Mercator

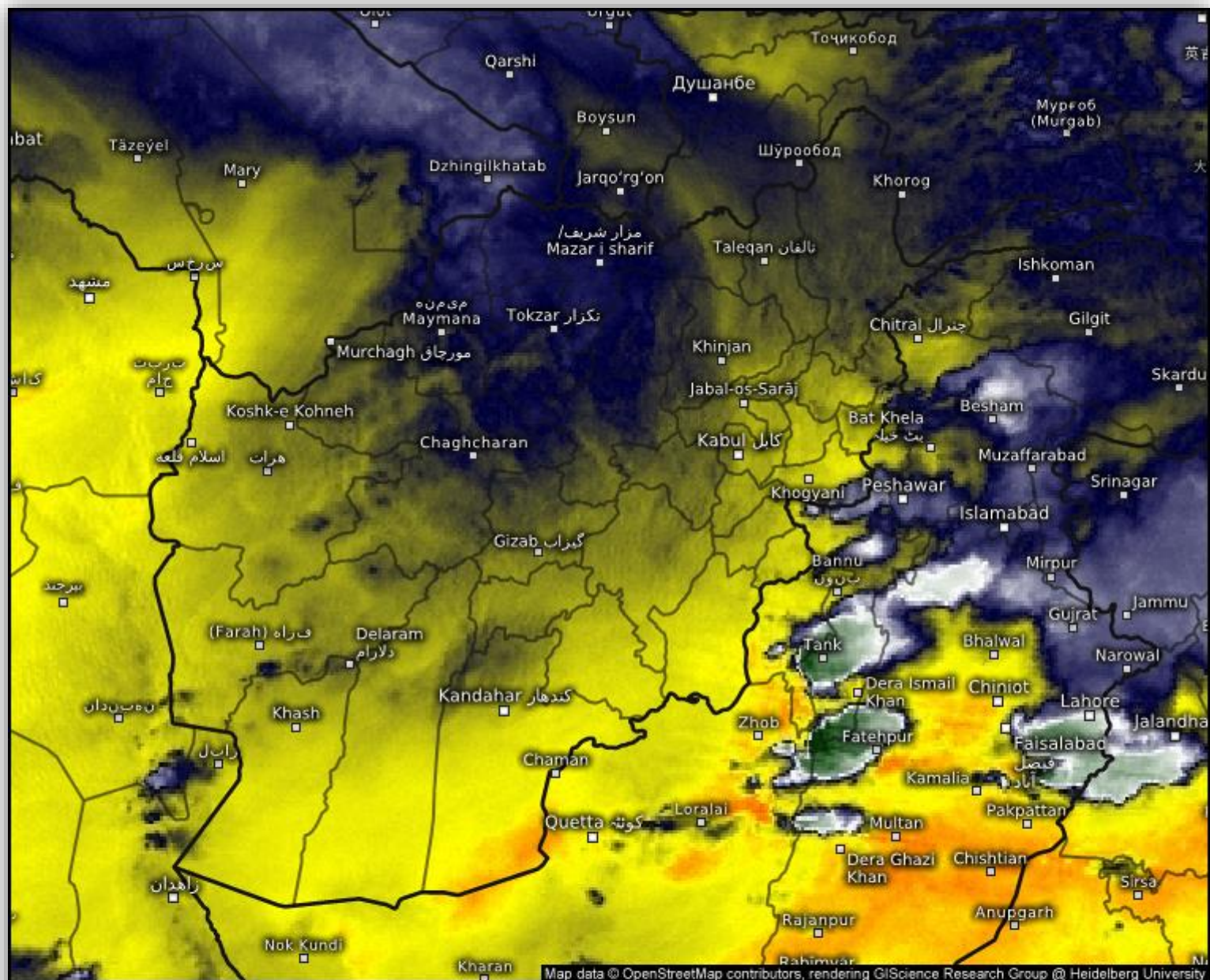
15-09-2026/(1515 to 1542) IST



Fog Identification

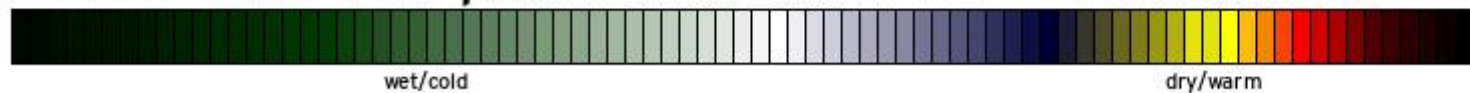
2026-09-15 10:45(UTC)





Satellite Water Vapor

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



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Satellite data: EUMETSAT

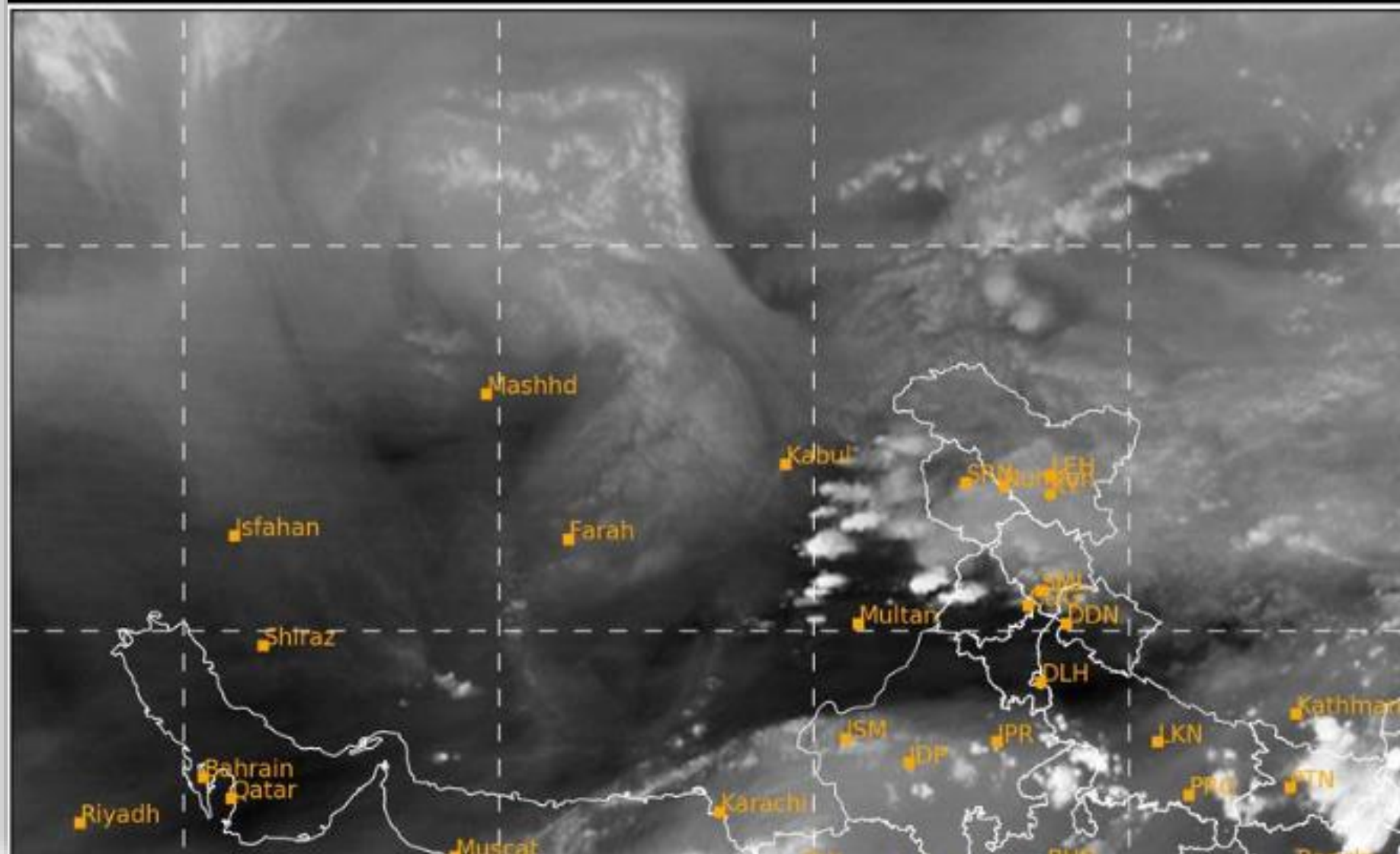
SAT : INSAT-3DR IMG

IMG_WV 6.8 um

L1C Mercator

15-09-2026/(0945 to 1012) GMT

15-09-2026/(1515 to 1542) IST



SAT : INSAT-3DR IMG
Visible Count 0.65 um
L1C Mercator

15-09-2026/(0945 to 1012) GMT
15-09-2026/(1515 to 1542) IST

