



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



Daily reports of Satellite imagery analysis. Date & Time: 24-09-2026, 06:00 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	✓	X	X	
5	central	✓	✓	X	X	X	✓	X	X	
6	Northeast	✓	✓	X	✓	X	✓	X	X	
7	Southeast	✓	✓	X	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 southern, western, eastern, central, northeastern, southeastern, northwestern and southwestern areas have warm air mass but the northern area has cold air mass. the southern, western, central, northeastern, southeastern and southwestern areas have weak dust. the northeastern area has partly cloudy sky. The northern, eastern, central and northeastern areas have moderate water vapor the western, southeastern, northwestern 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: 2026-09-24 05:45

AirMass



Thick,
high-level cloud



Thick,

mid-level cloud



Thick,

low-level cloud



Jet

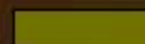


Cold Airmass



Warm Airmass

(high UTH)



Warm Airmass

(low UTH)

R = WV (6.25) - WV (7.1)

G = IR (8.5) - IR (10.8)

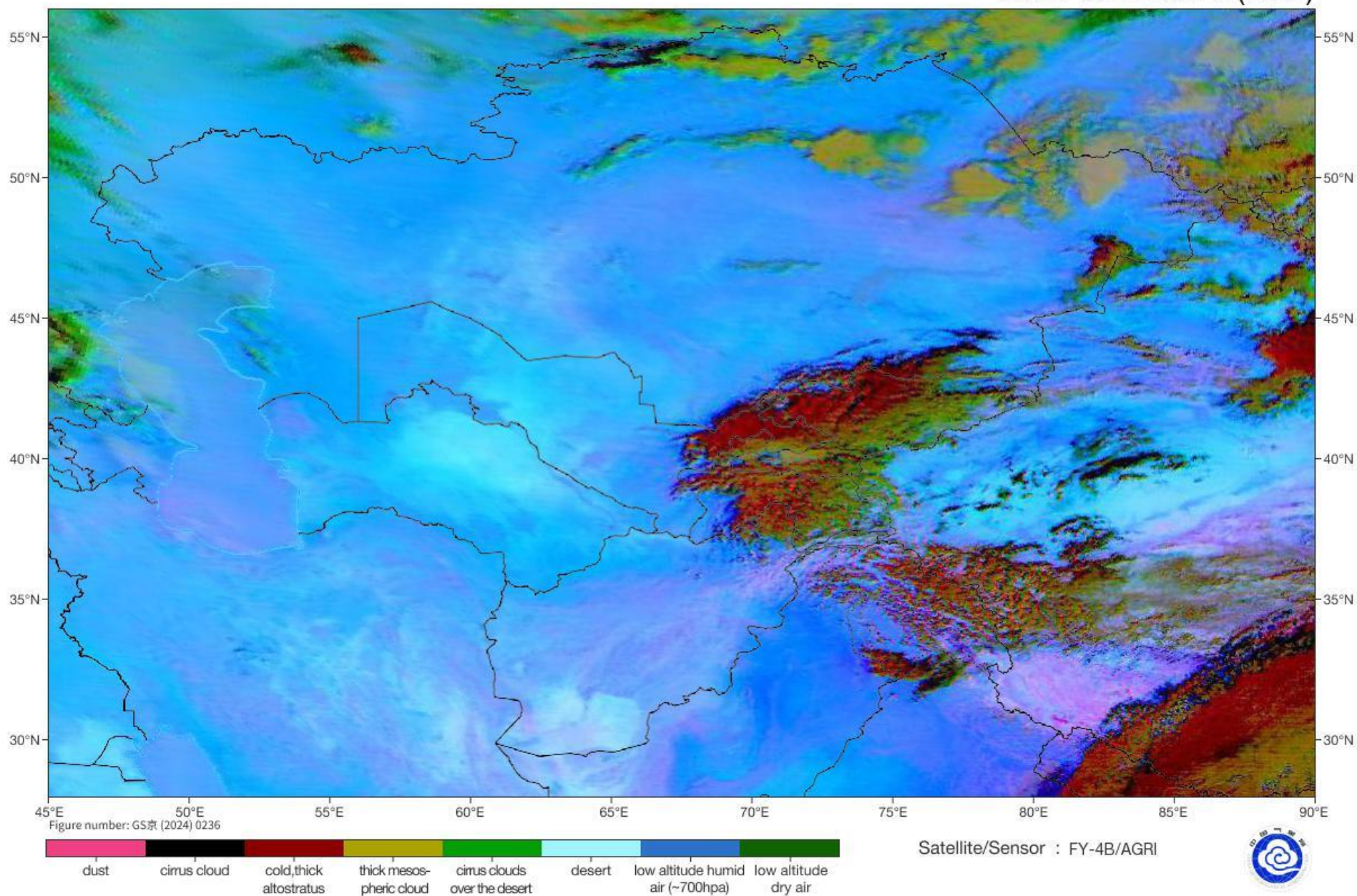
B = WV (6.25)

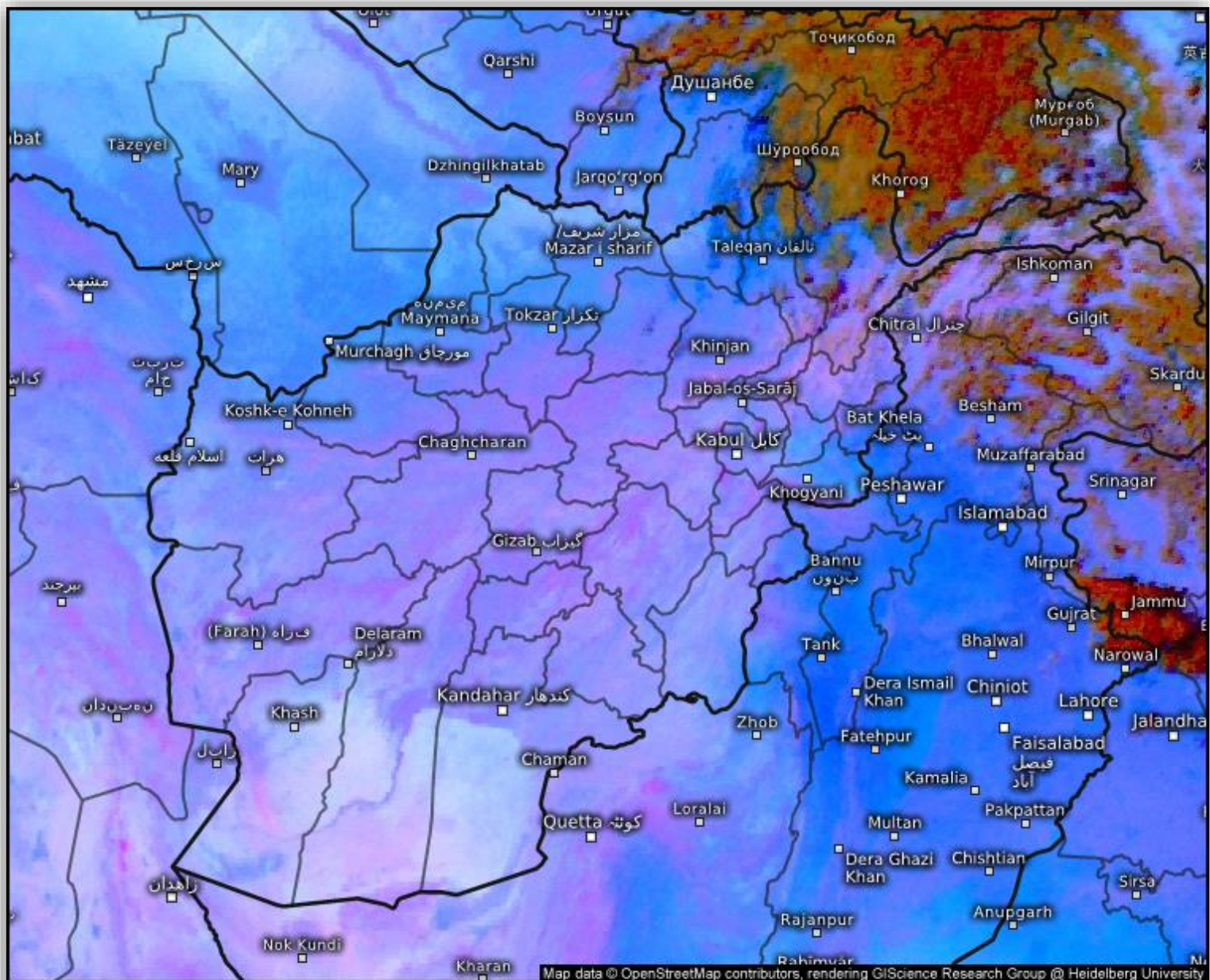
FY-4B AirMass RGB Composite (From WMO)



Sand And Dust Identification

2026-09-24 05:45(UTC)





Satellite Dust

Thu 09/24/2026, 10:15am GMT+0430

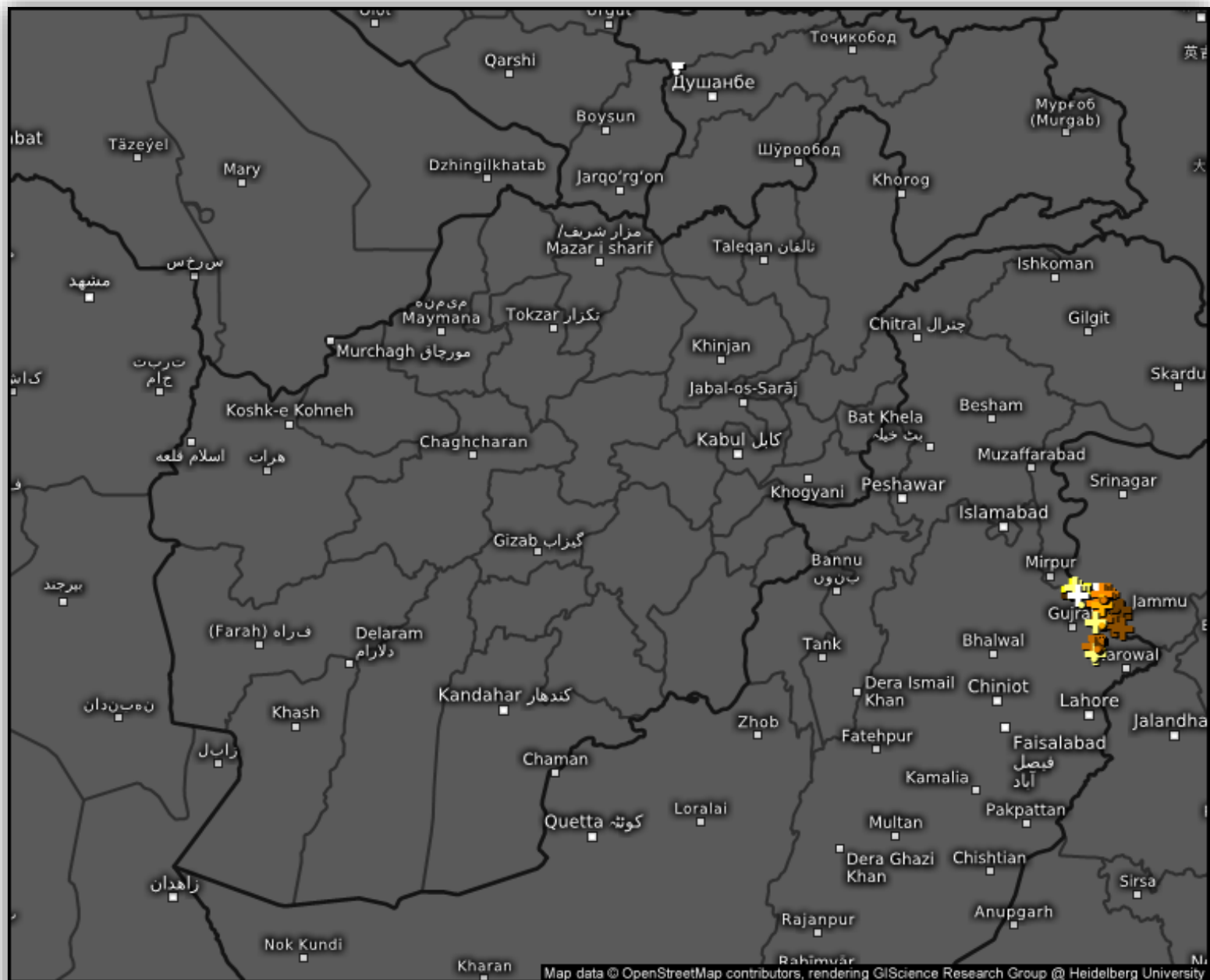
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Afghanistan

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Satellite data: EUMETSAT



Age of lightning (minutes)

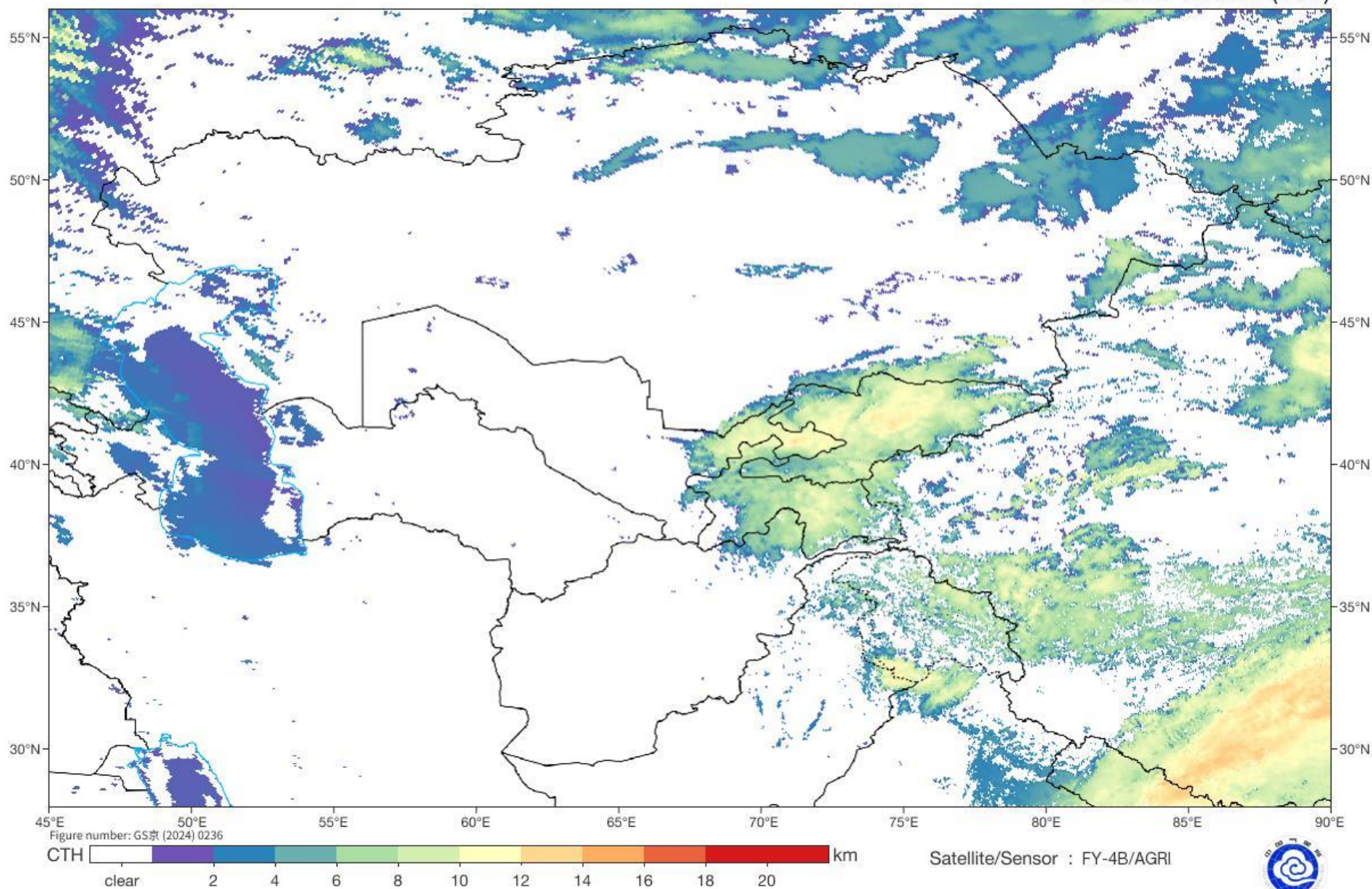
Thu 09/24/2026, 10:30am GMT+0430



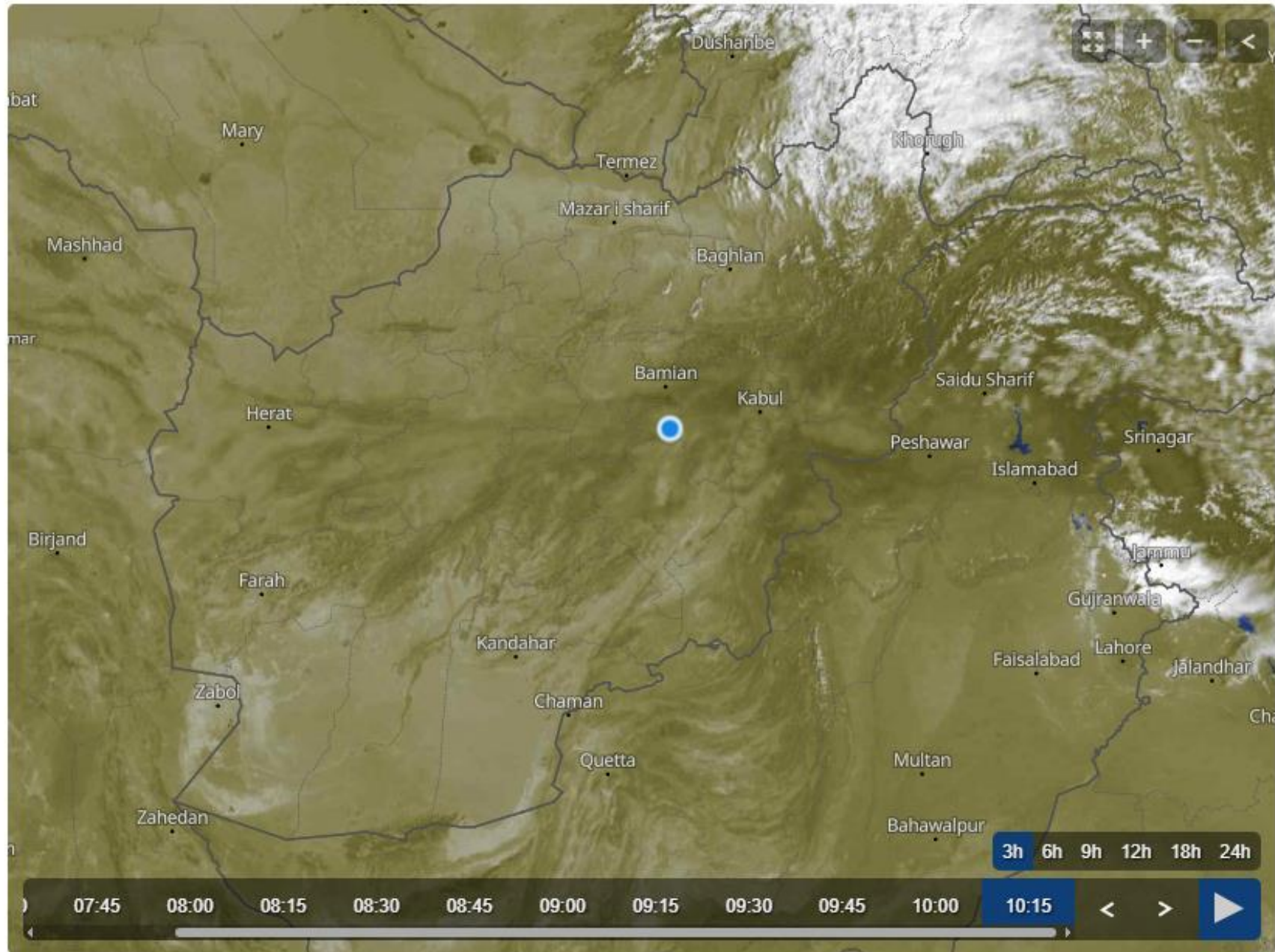
Afghanistan

Cloud Top Height

2026-09-24 05:45(UTC)



Live satellite map, Afghanistan



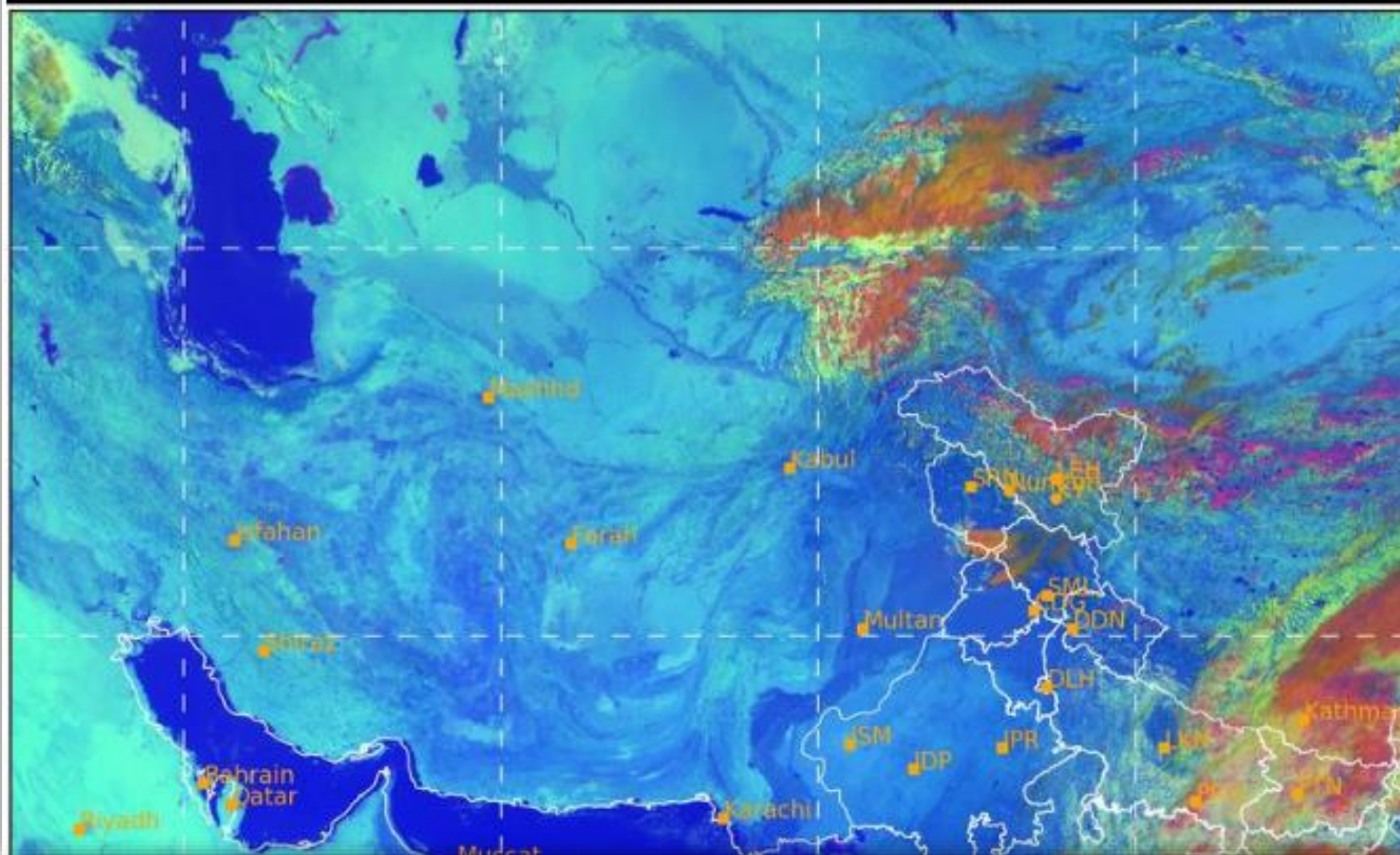
SAT : INSAT-3DR IMG

24-09-2026/(0445 to 0511) GMT

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

L1C Mercator

24-09-2026/(1015 to 1041) IST

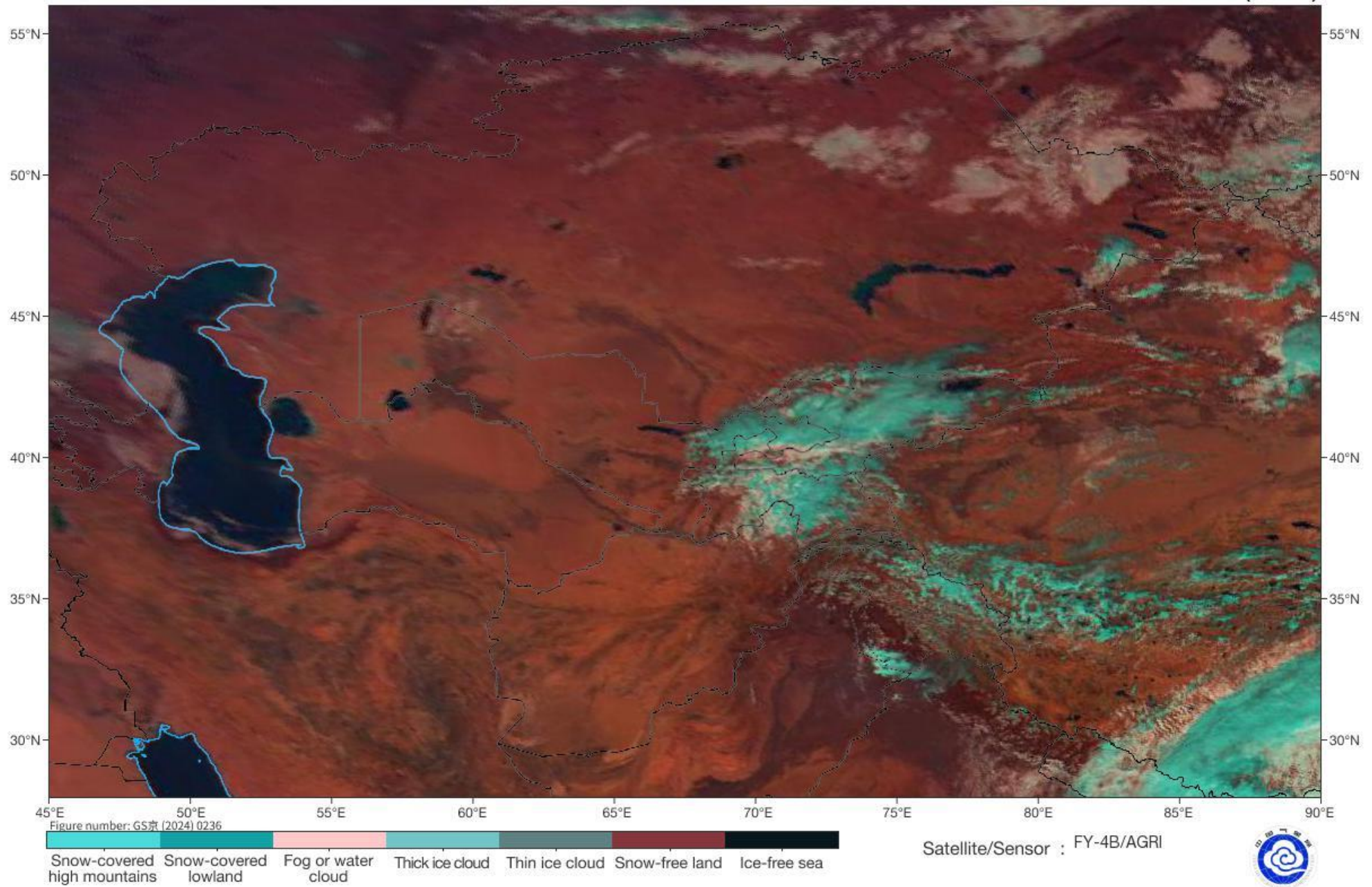


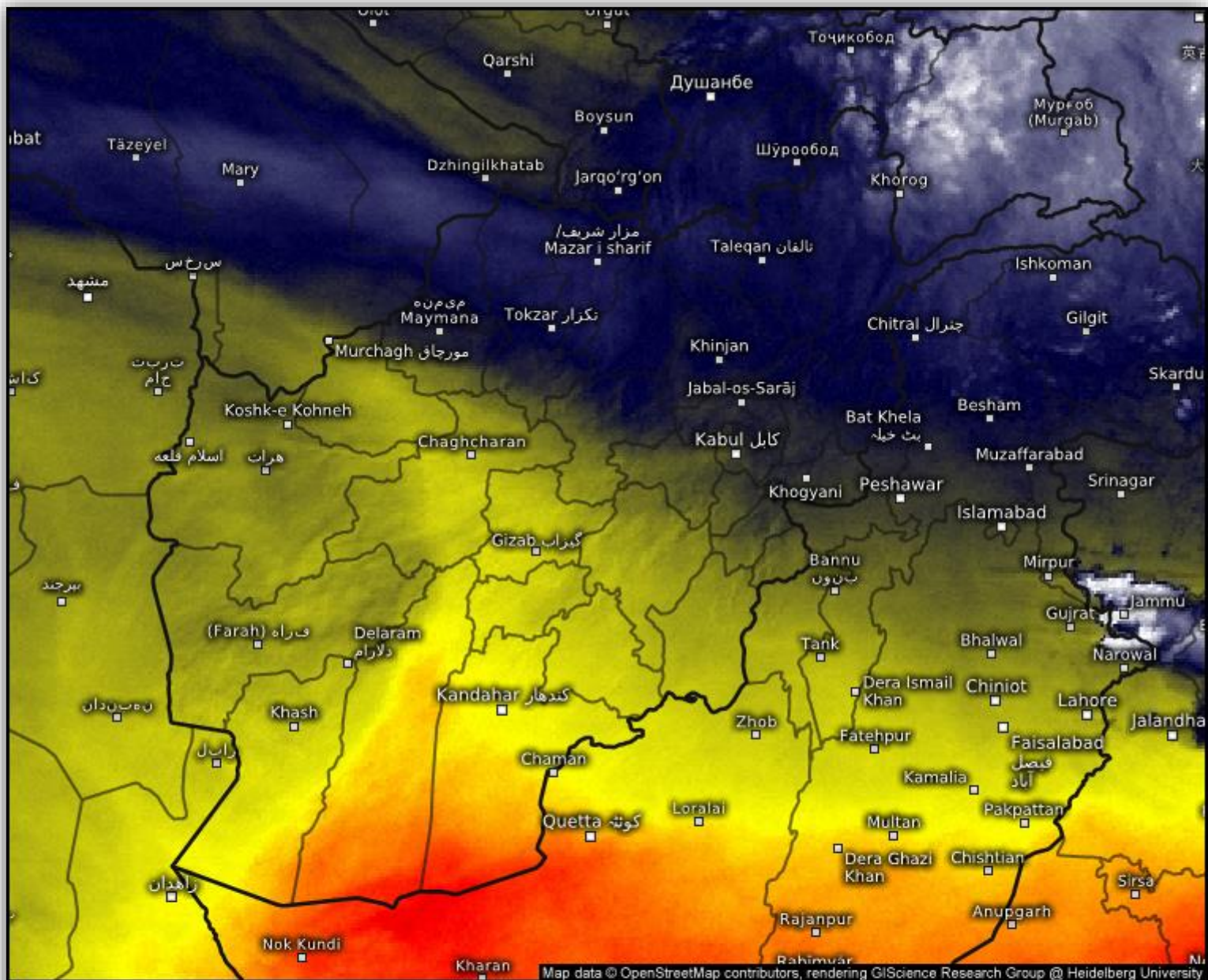
0 100% 0 60% 203 323K

Fog Low Clouds Mid Orographic Cloud CB Snow Dust

Fog Identification

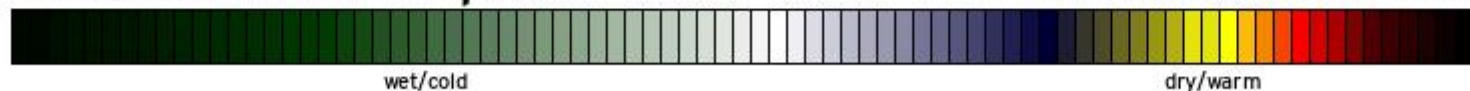
2026-09-24 05:45(UTC)





Satellite Water Vapor

Thu 09/24/2026, 10:15am GMT+0430



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Satellite data: EUMETSAT

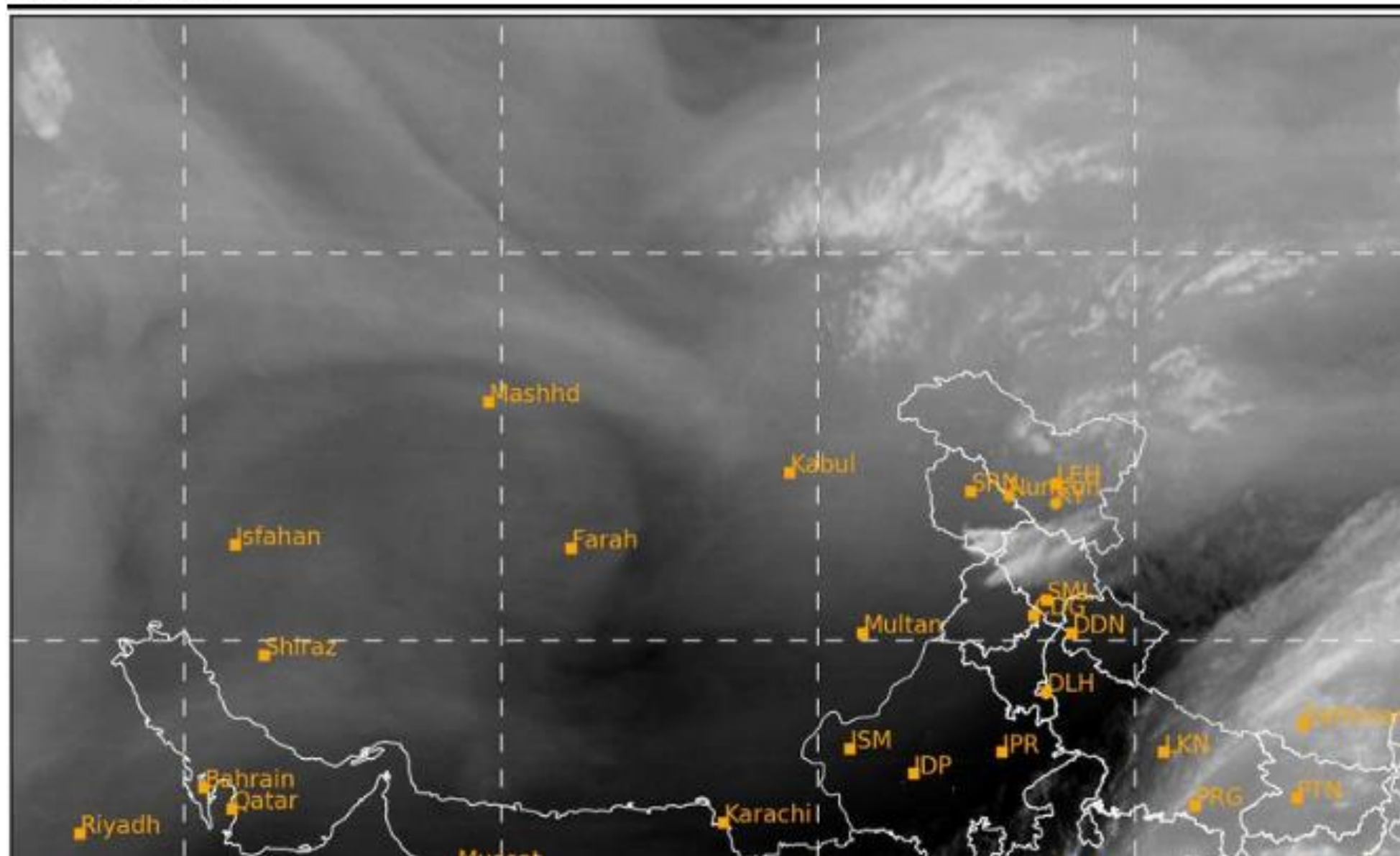
SAT : INSAT-3DR IMG

IMG_WV 6.8 um

L1C Mercator

24-09-2026/(0445 to 0511) GMT

24-09-2026/(1015 to 1041) IST



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

24-09-2026/(0445 to 0511) GMT
24-09-2026/(1015 to 1041) IST

