



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



Daily reports of Satellite imagery analysis. Date & Time: 12-09-2026, 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	X	
5	central	✓	✓	X	✓	X	✓	X	X	
6	Northeast	✓	✓	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 northern, southern, western, eastern, central, northeastern, southeastern, northwestern and southwestern areas have warm air mass. the southern, western, central and northeastern areas have weak dust but the southwestern area is dust storm. The southeastern area is Lightening. The eastern, central, northeastern and southeastern areas are partly cloudy sky. The northern, western, eastern, central, northeastern, southeastern and northwestern areas have weak water vapor the southern, and southwestern areas are dry.

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

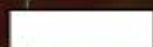
Reported by: Mohammad Jawed Moradi

Legend:

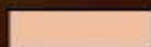
Dust	Water vapor	Air mass	Thunder storm	Cloud	Fog	Jet stream	Cyclone & Anticyclone
Weak Dust	Dust storm	Weak	Dry	Moderate	Warm	Cold	

UTC: 2026-09-12 10:45

AirMass



Thick,
high-level cloud



Thick,

mid-level cloud



Thick,

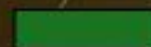
low-level cloud



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)

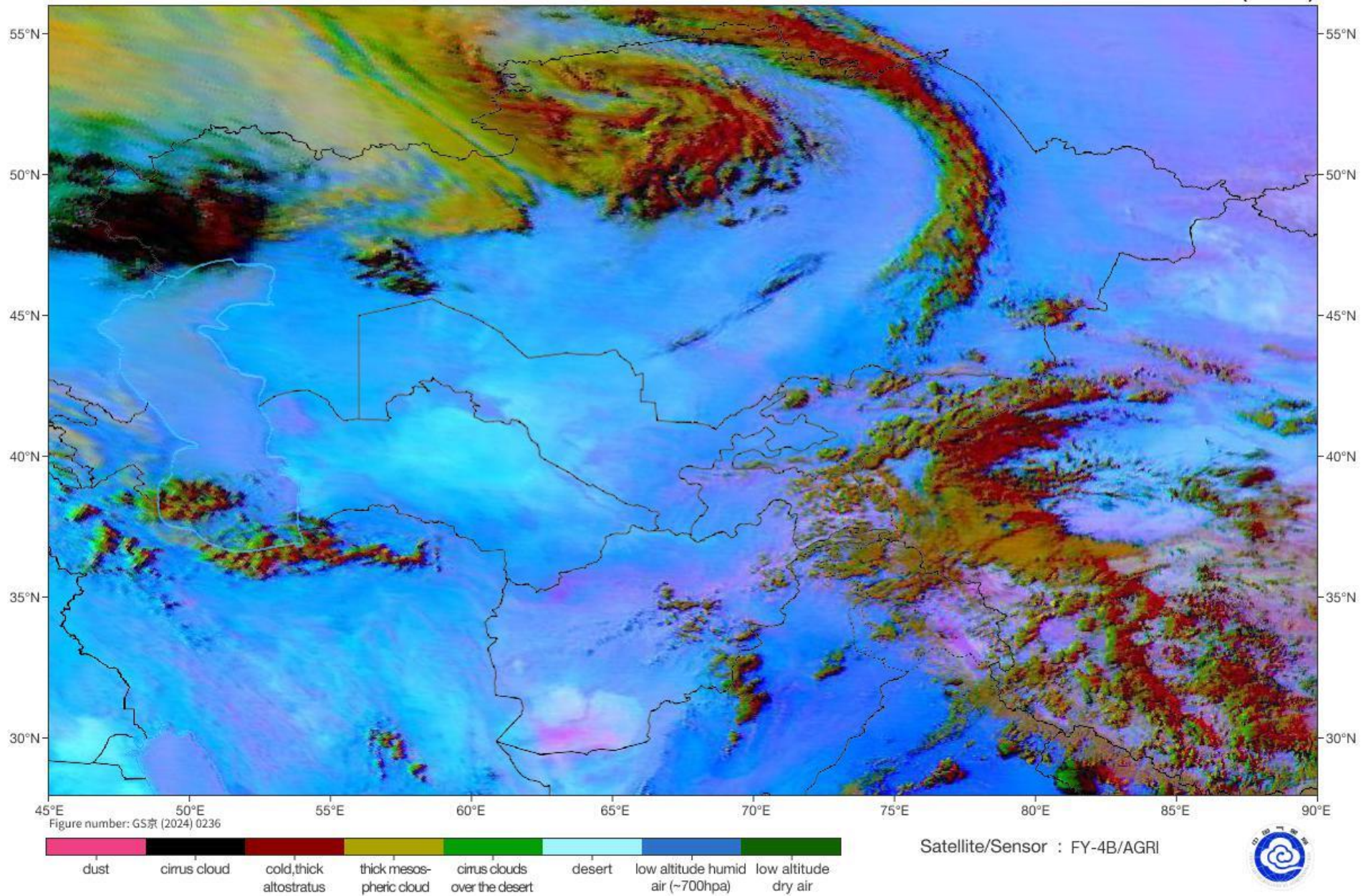
B = WV (6.25)

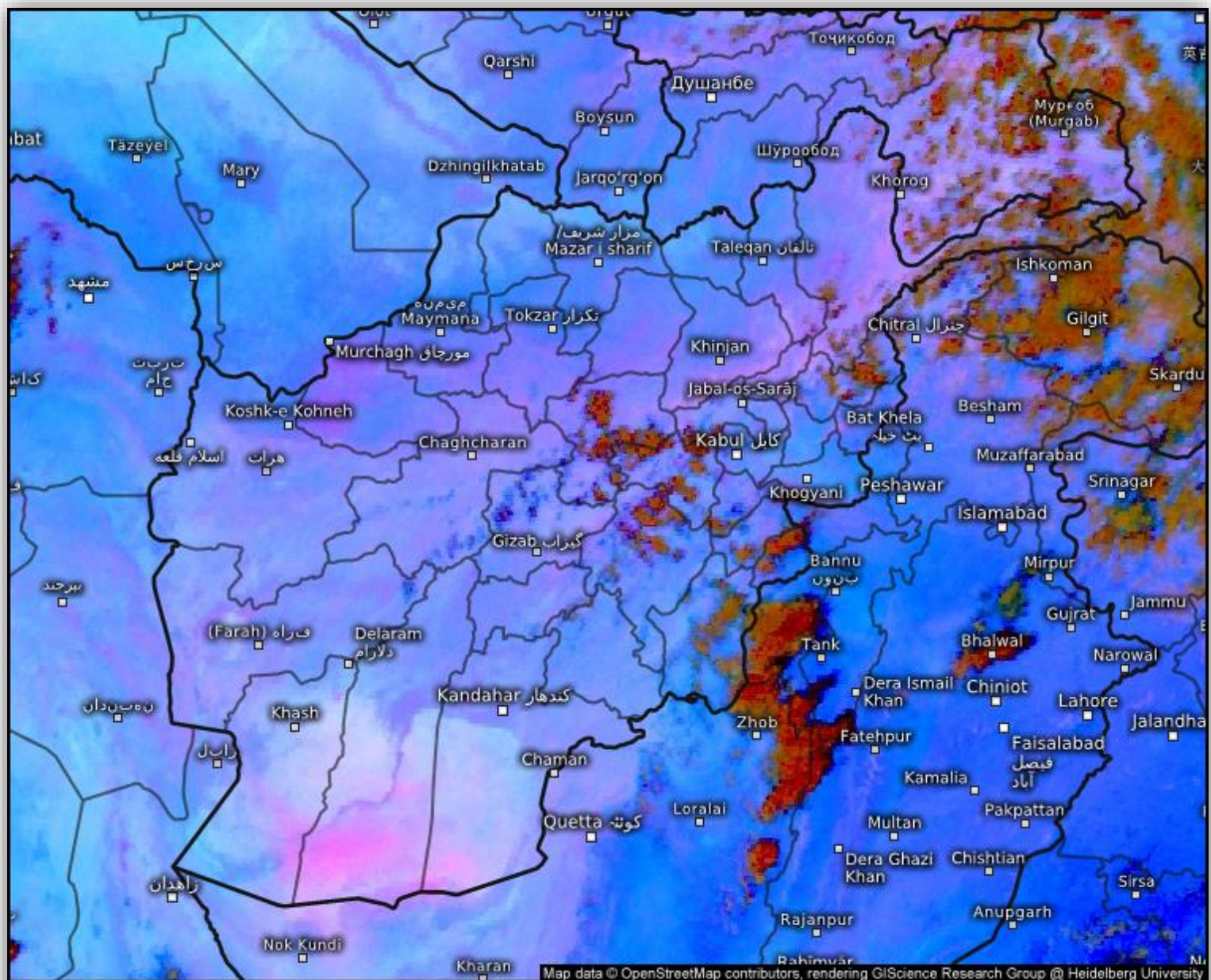
FY-4B AirMass RGB Composite (From WMO)



Sand And Dust Identification

2026-09-12 11:00(UTC)





Satellite Dust

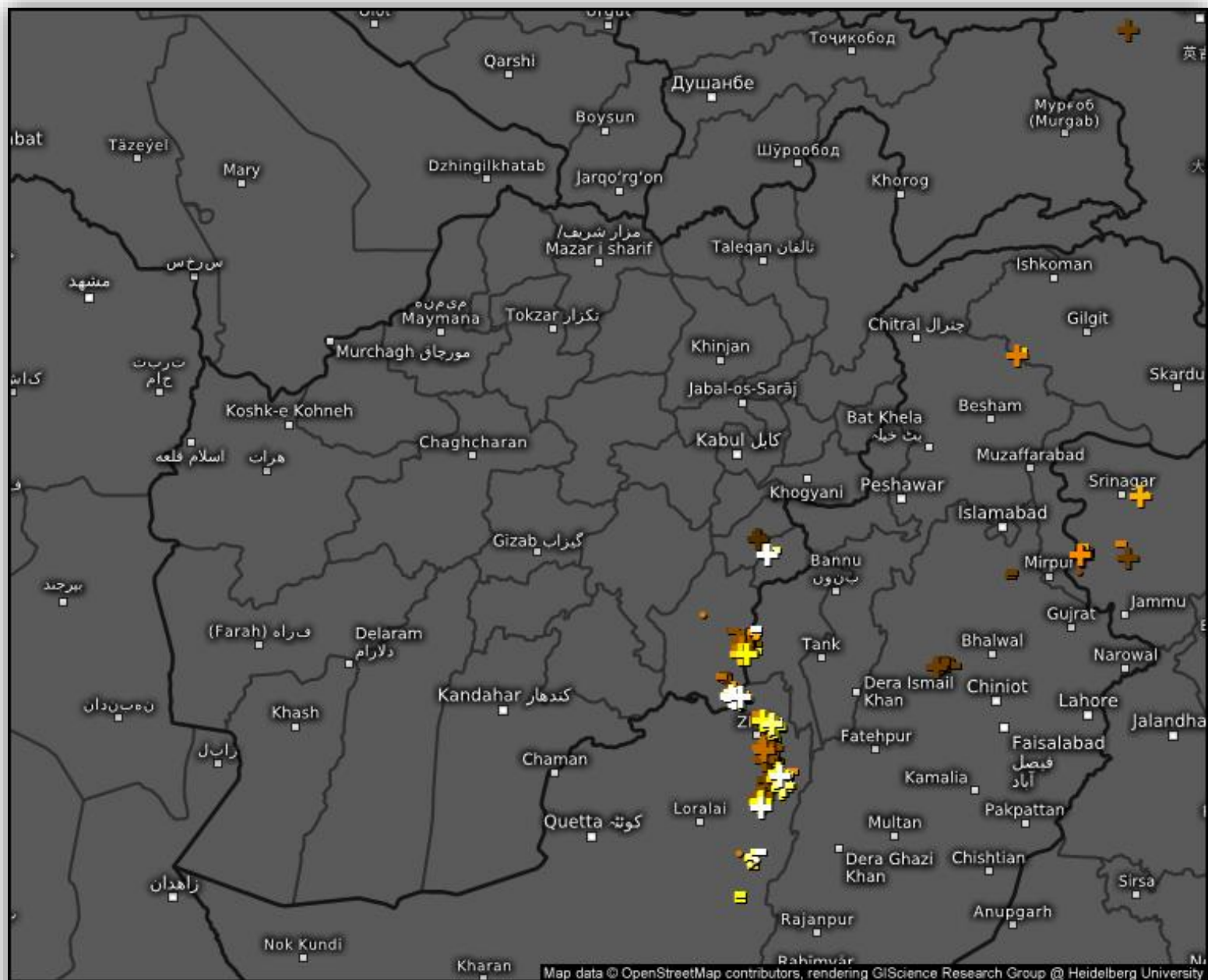
Sat 09/12/2026, 03:30pm GMT+0430

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Afghanistan

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Satellite data: EUMETSAT



Age of lightning (minutes)

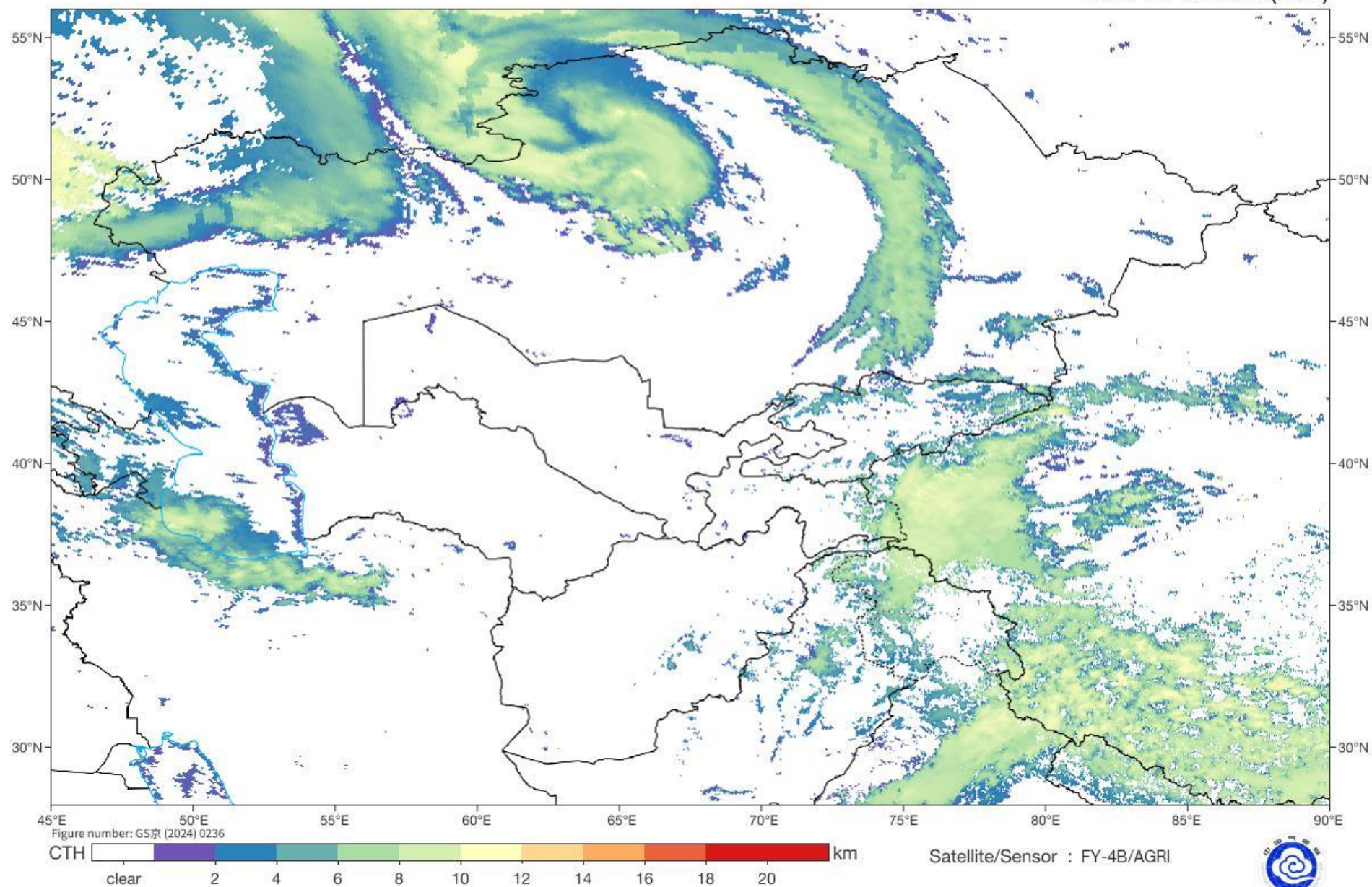
Sat 09/12/2026, 03:30pm GMT+0430



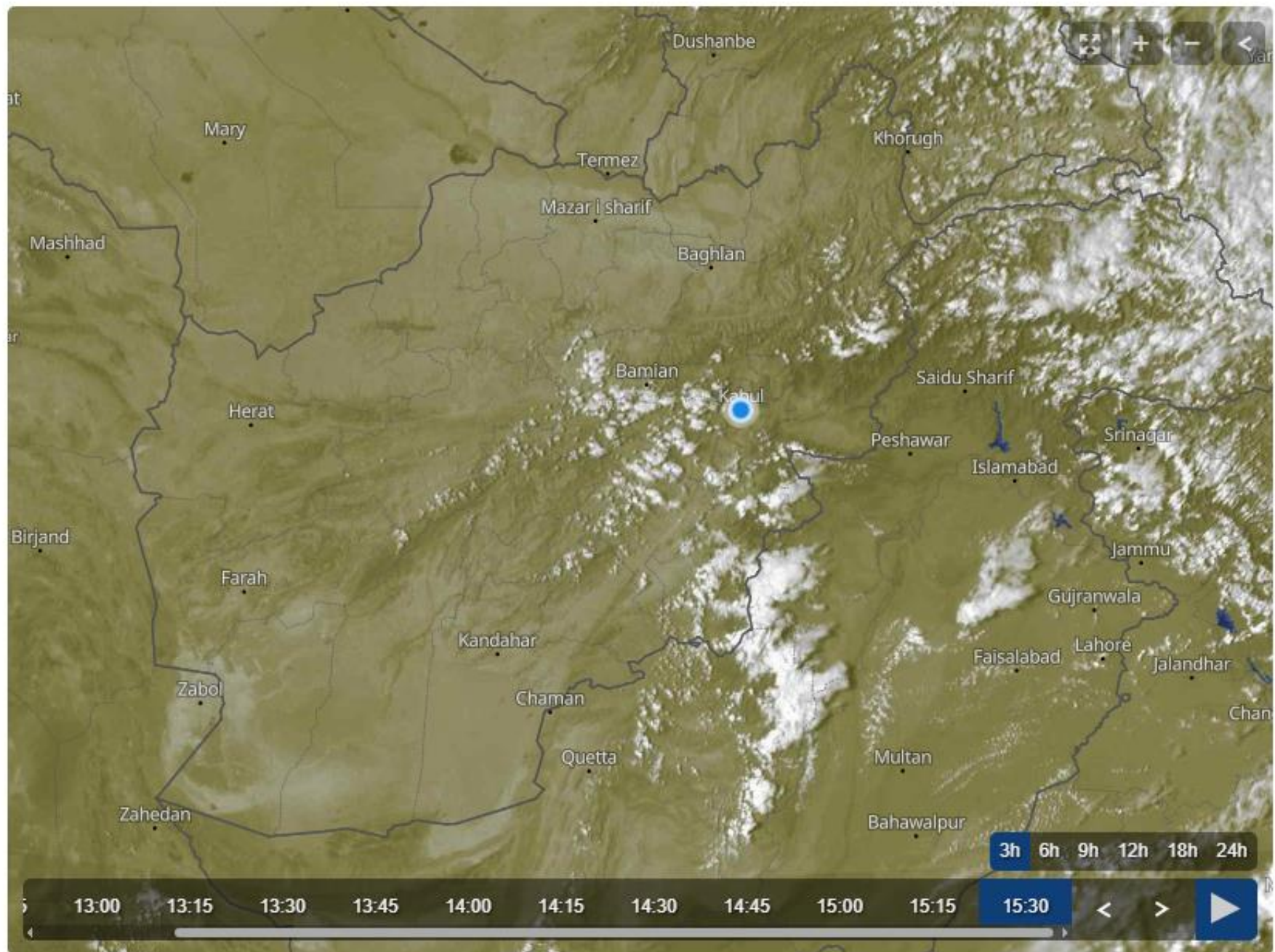
Afghanistan

Cloud Top Height

2026-09-12 06:00(UTC)



Live satellite map, Afghanistan



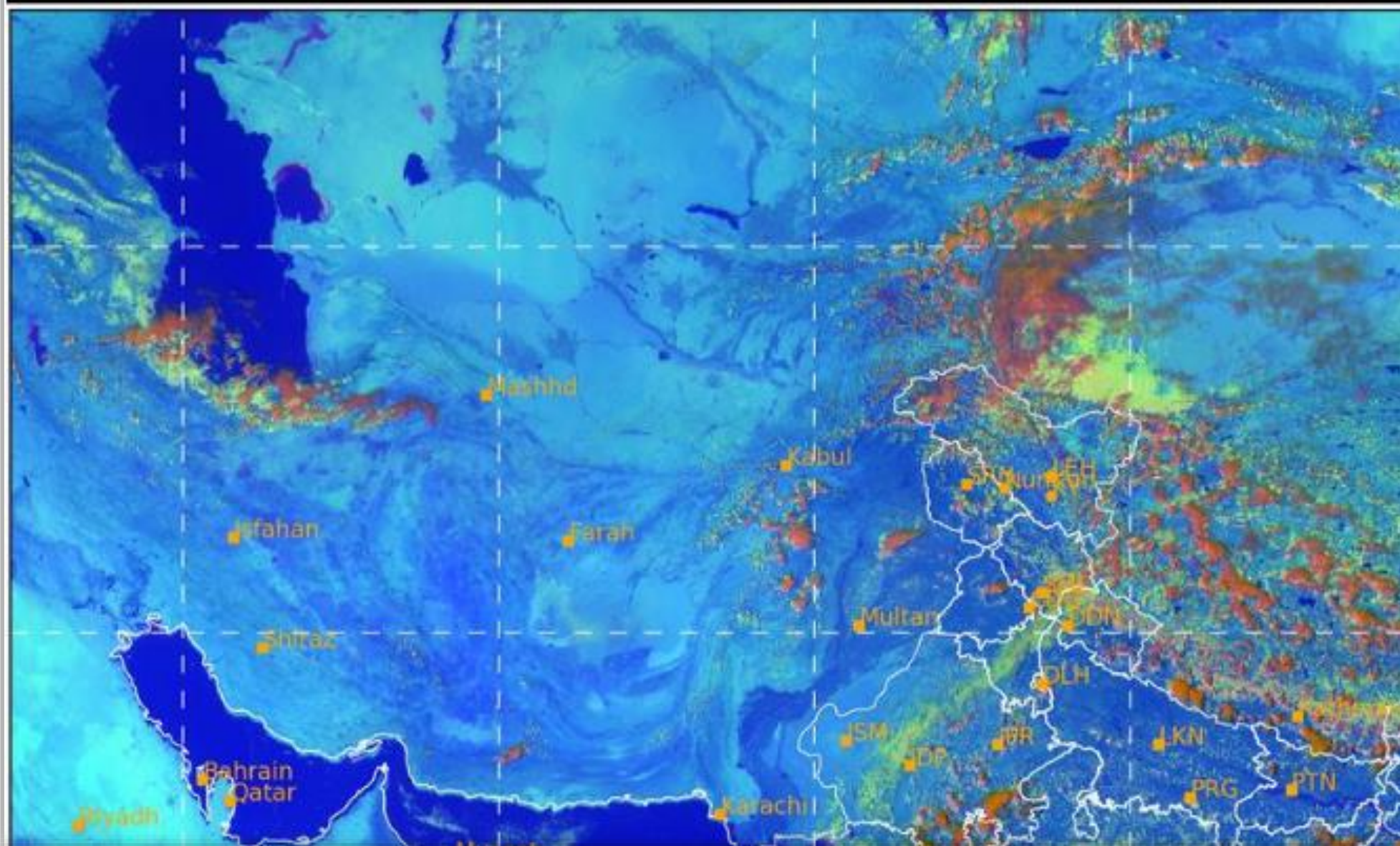
SAT : INSAT-3DR IMG

12-09-2026/(0845 to 0911) GMT

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

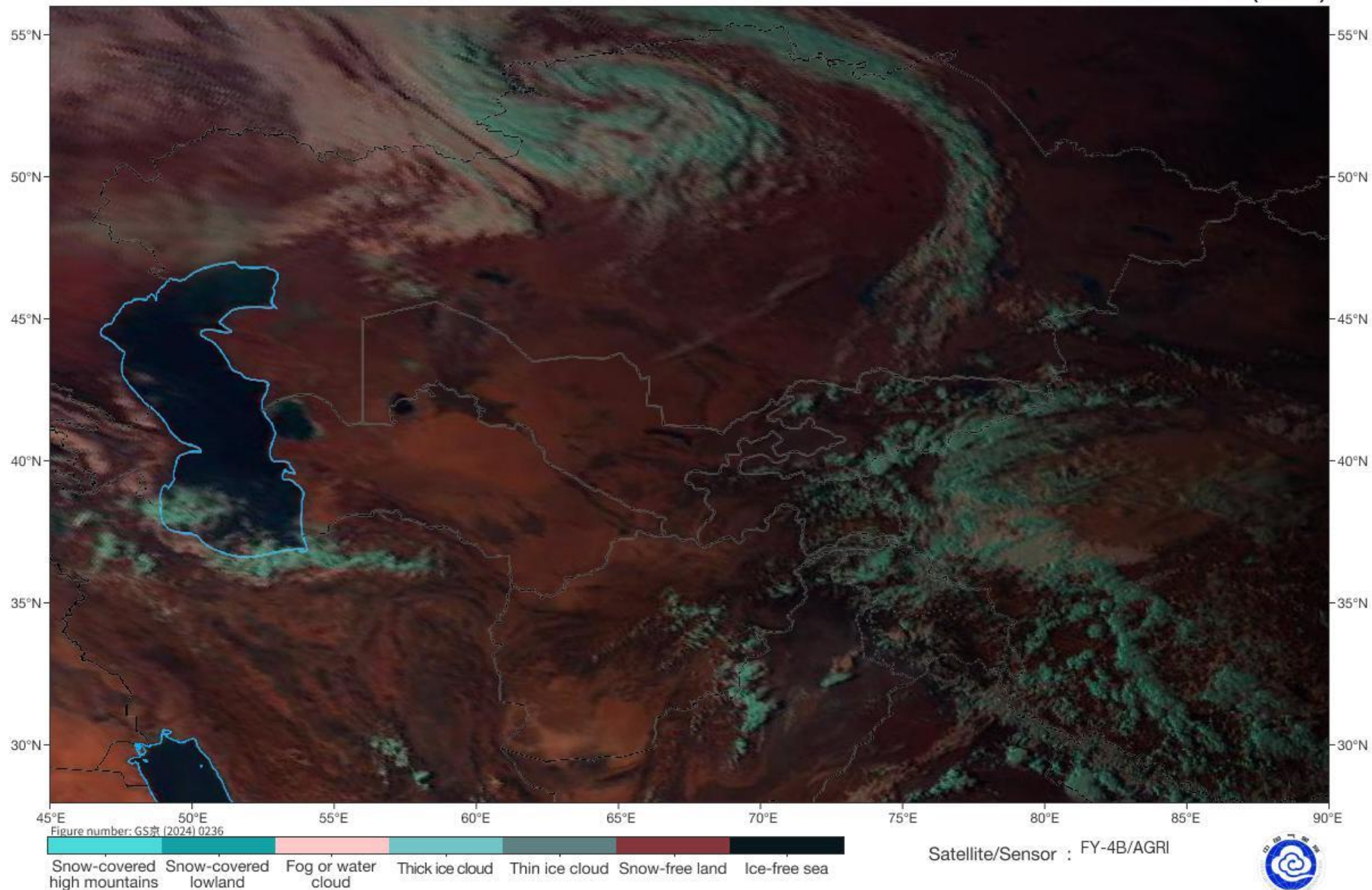
L1C Mercator

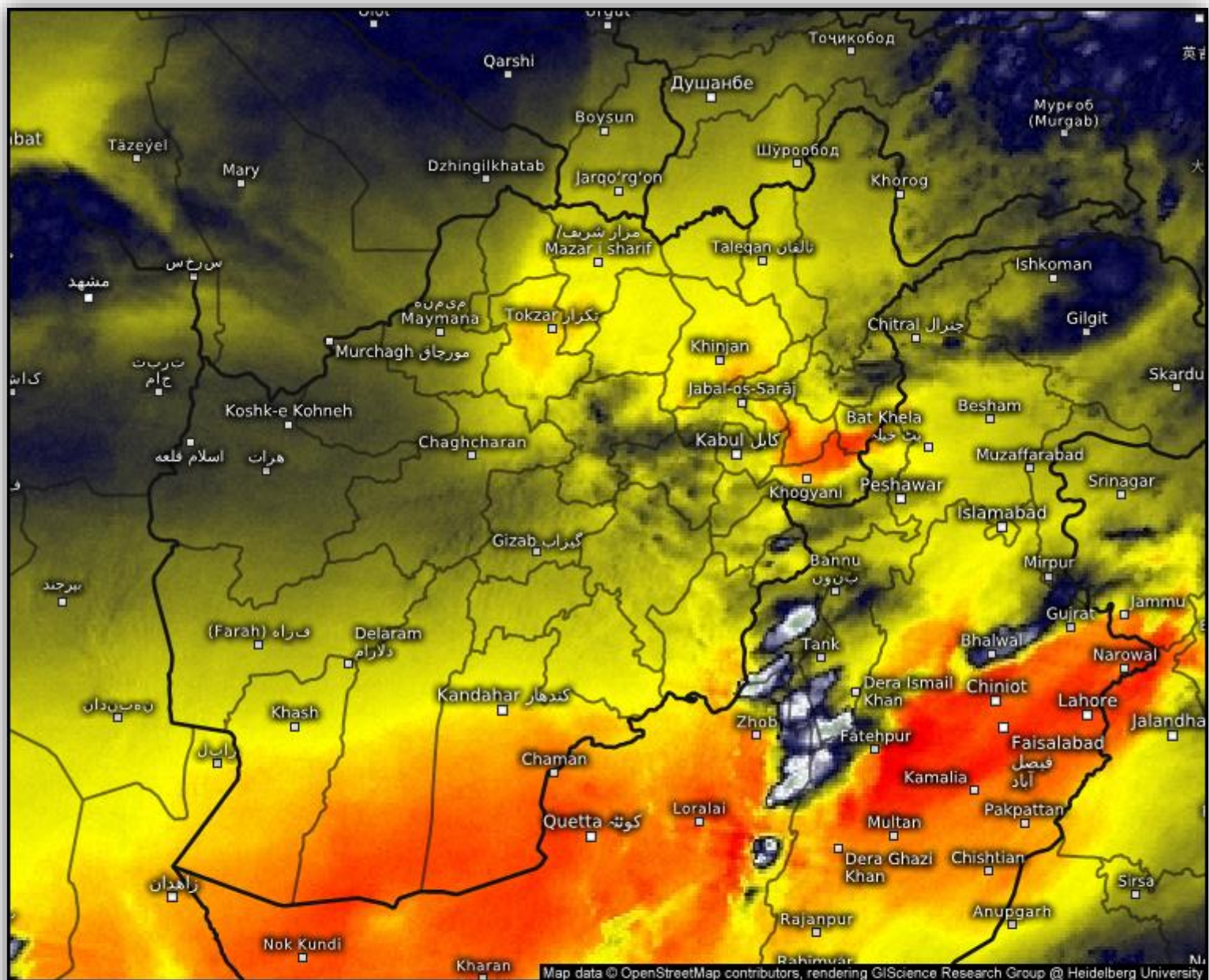
12-09-2026/(1415 to 1441) IST



Fog Identification

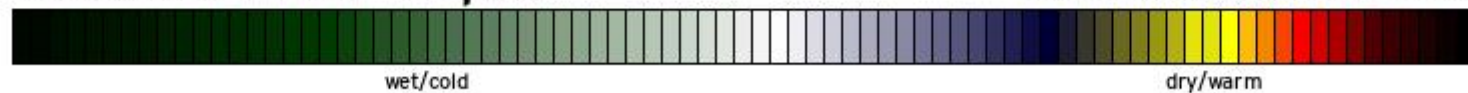
2026-09-12 11:00(UTC)





Satellite Water Vapor

Sat 09/12/2026, 03:30pm GMT+0430



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Afghanistan

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Satellite data: EUMETSAT

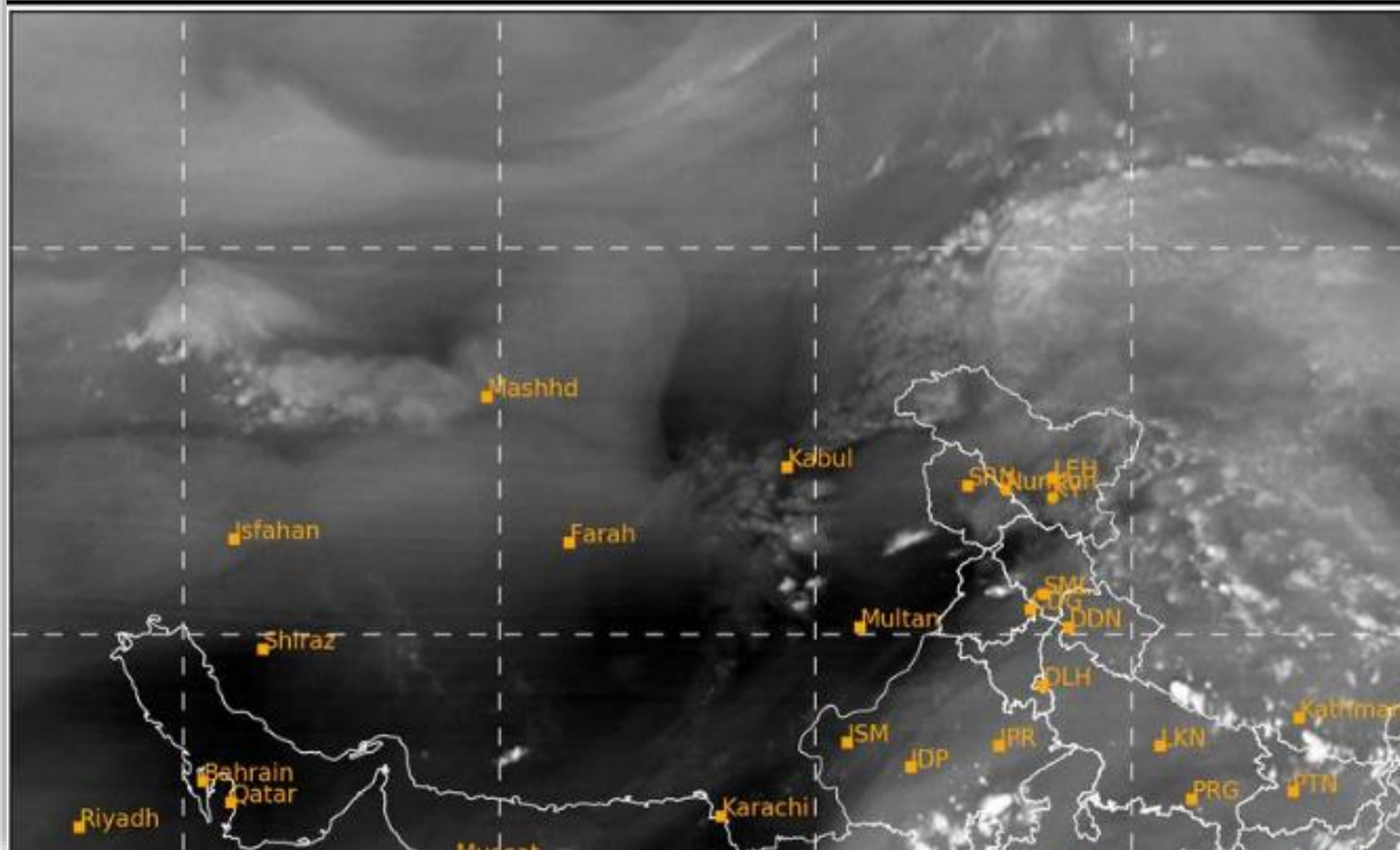
SAT : INSAT-3DR IMG

IMG_WV 6.8 um

L1C Mercator

12-09-2026/(0845 to 0911) GMT

12-09-2026/(1415 to 1441) IST



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

12-09-2026/(0845 to 0911) GMT
12-09-2026/(1415 to 1441) IST

