



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



Daily reports of Satellite imagery analysis. Date & Time: 16-09-2026, 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	X	
3	West	✓	✓	X		X	✓	X	X	
4	East	X	X	X	✓	X	✓	X	X	
5	central	X	✓	✓	✓	X	✓	X	X	
6	Northeast	X	✓	X	✓	X	✓	X	X	
7	Southeast	✓	✓	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, southeastern, northwestern and southwestern areas have warm air mass. the western, central, northeastern, southeastern and northwestern areas have weak dust. the central area has Lightning. the eastern, central, northeastern and southeastern areas have partly cloudy sky. The northern and northwestern areas have moderate water vapor the southern, western, eastern, central, northeastern and southeastern areas have weak water vapor and southwestern area is 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: 2026-09-16 06:00

AirMass

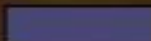


Thick,
high-level cloud



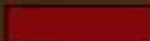
Thick,

mid-level cloud

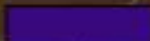


Thick,

low-level cloud



Jet



Cold Airmass



Warm Airmass

(high UTH)



Warm Airmass

(low UTH)

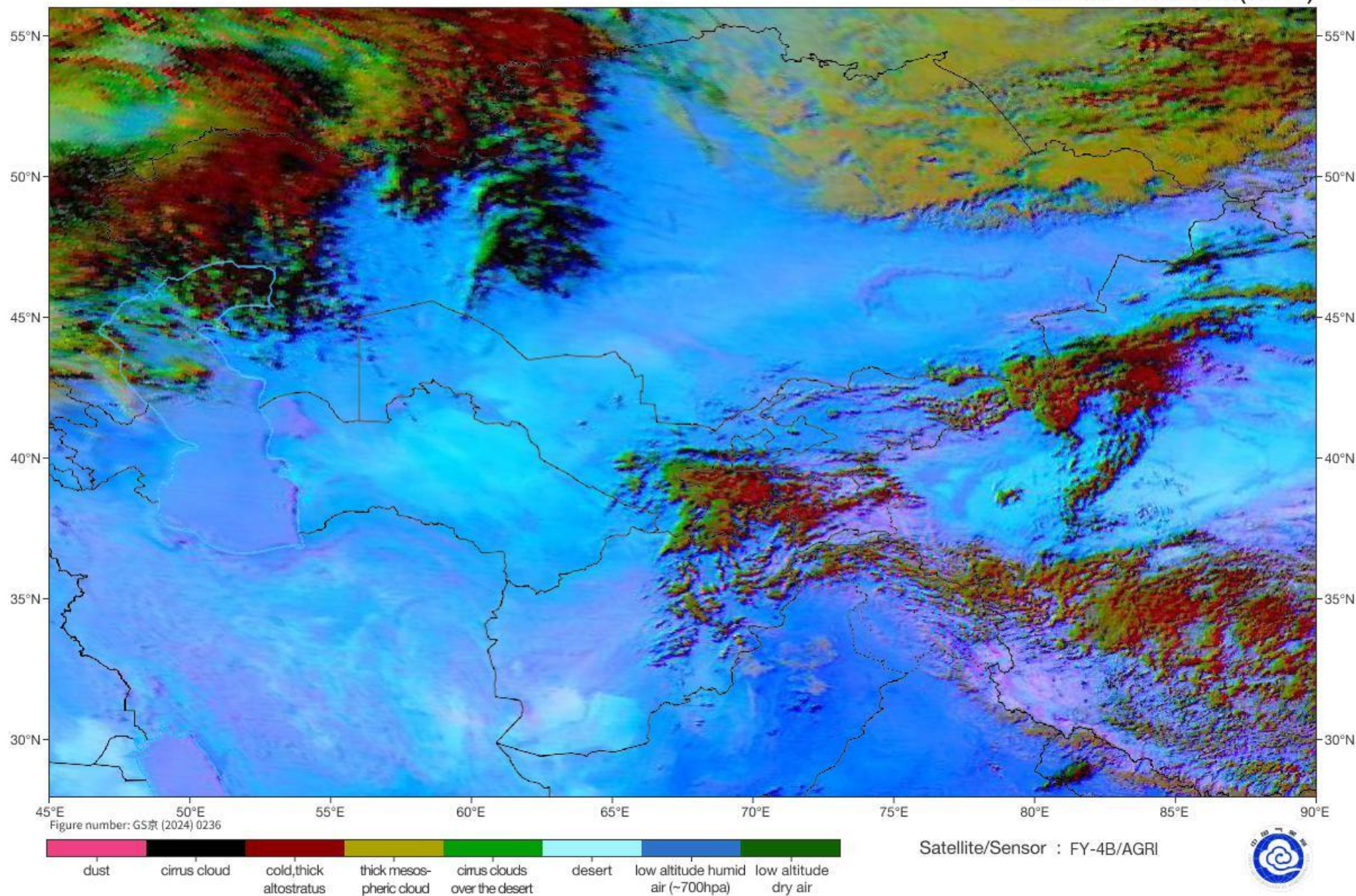
R = WV (6.25) - WV (7.1)
G = IR (8.5) - IR (10.8)
B = WV (6.25)

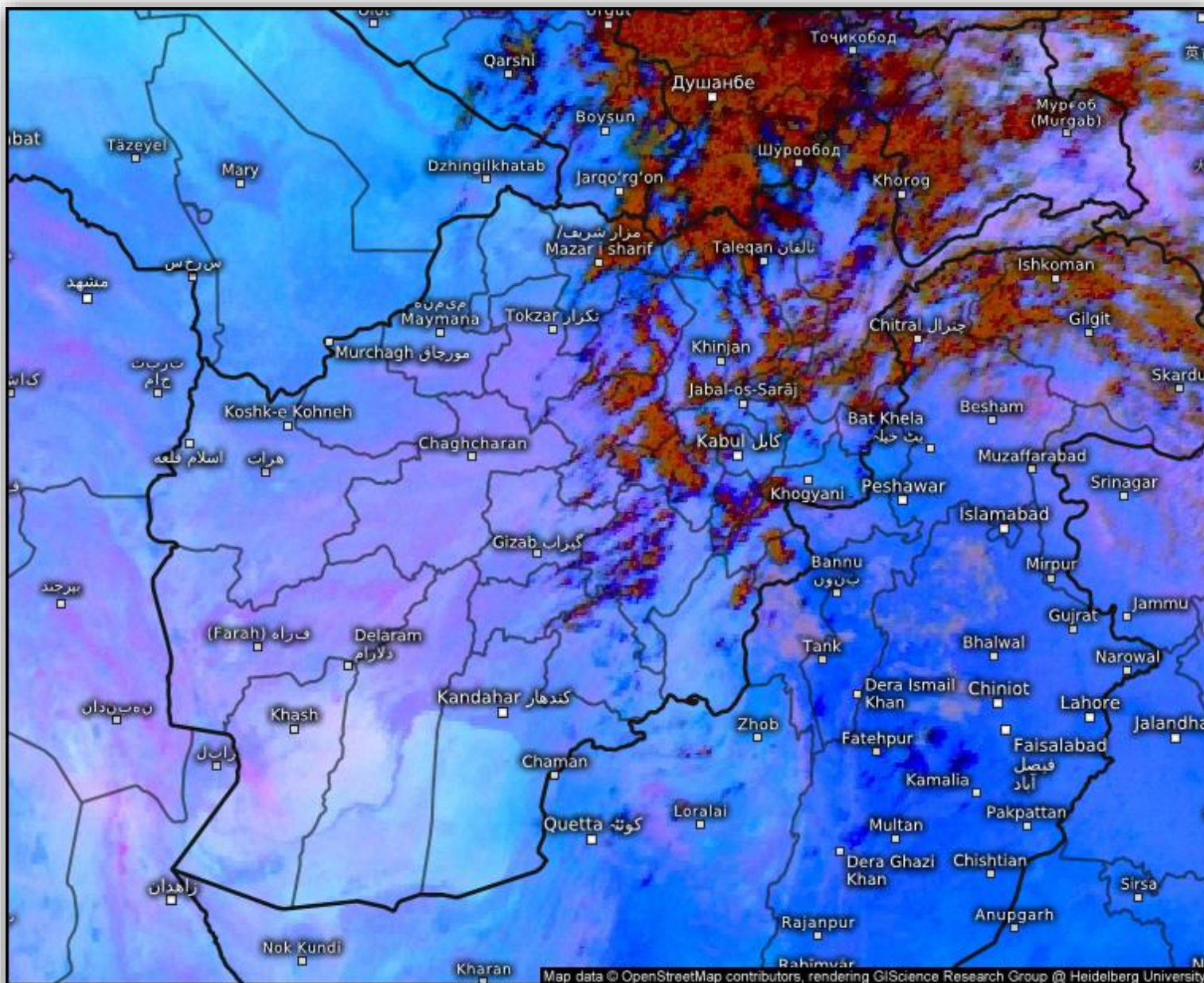
FY-4B AirMass RGB Composite (From WMO)



Sand And Dust Identification

2026-09-16 06:00(UTC)





Satellite Dust

Wed 09/16/2026, 10:30am GMT+0430

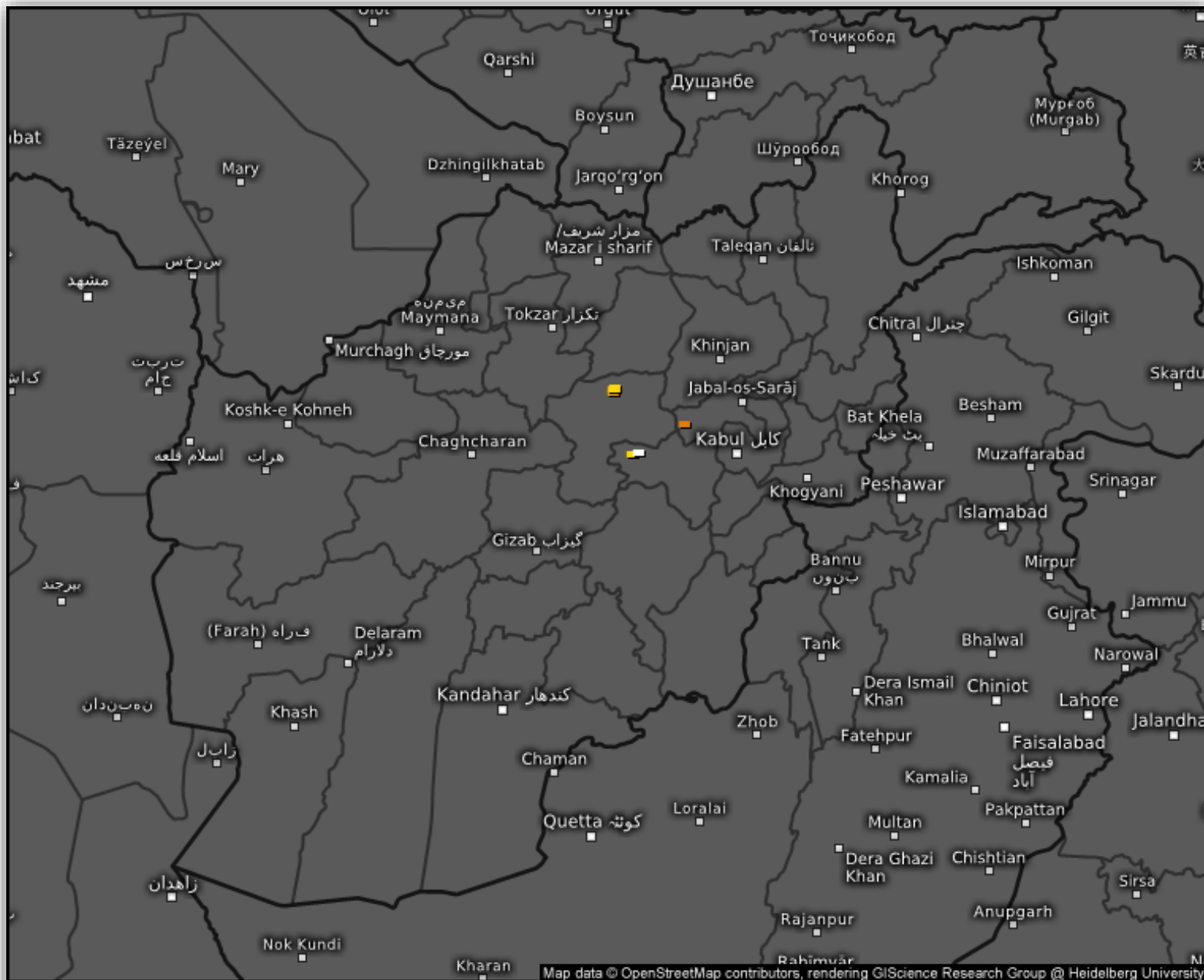
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Afghanistan

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Satellite data: EUMETSAT



Age of lightning (minutes)

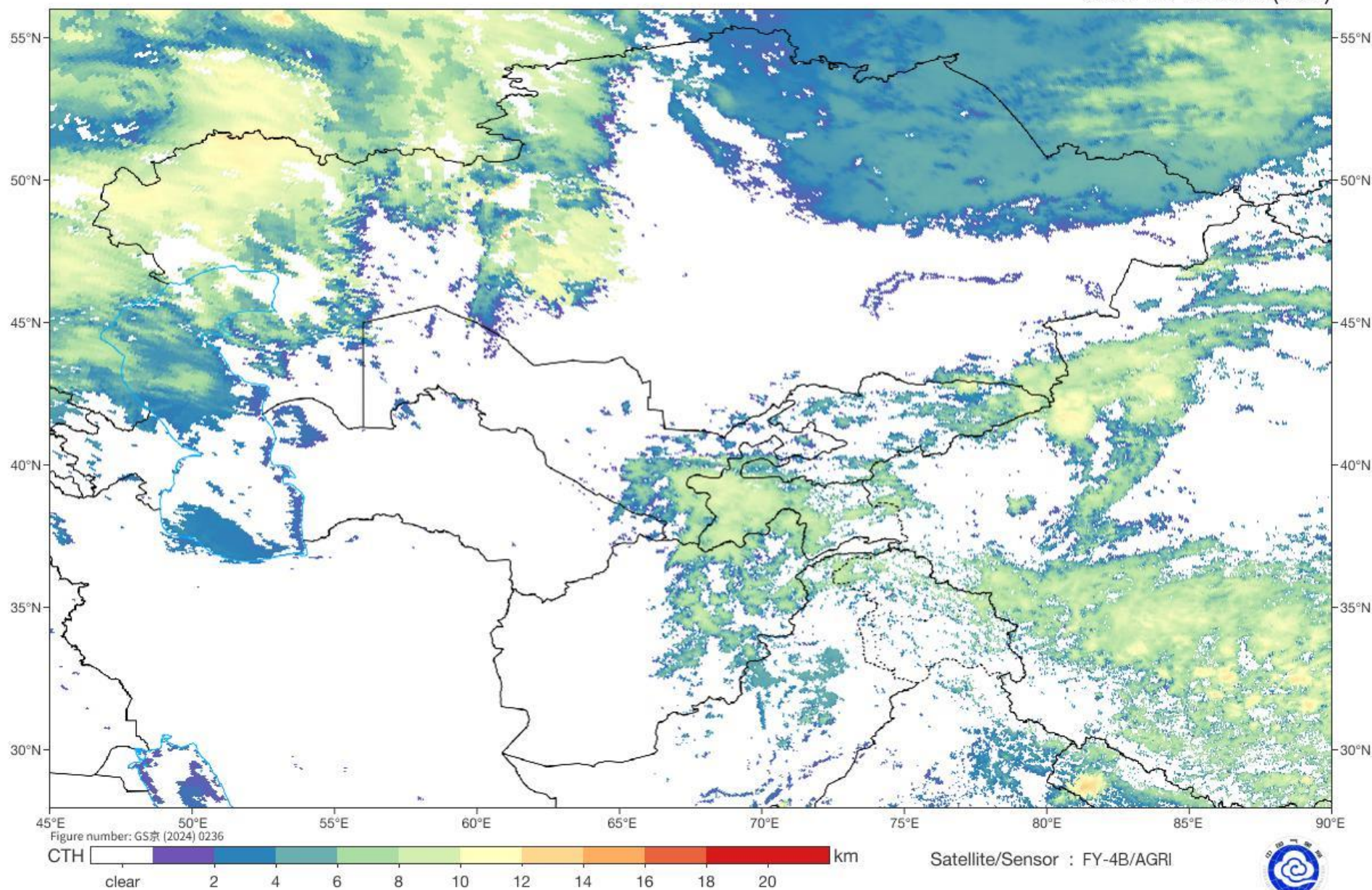
Wed 09/16/2026, 10:30am GMT+0430



Afghanistan

Cloud Top Height

2026-09-16 06:00(UTC)



Live satellite map, Afghanistan



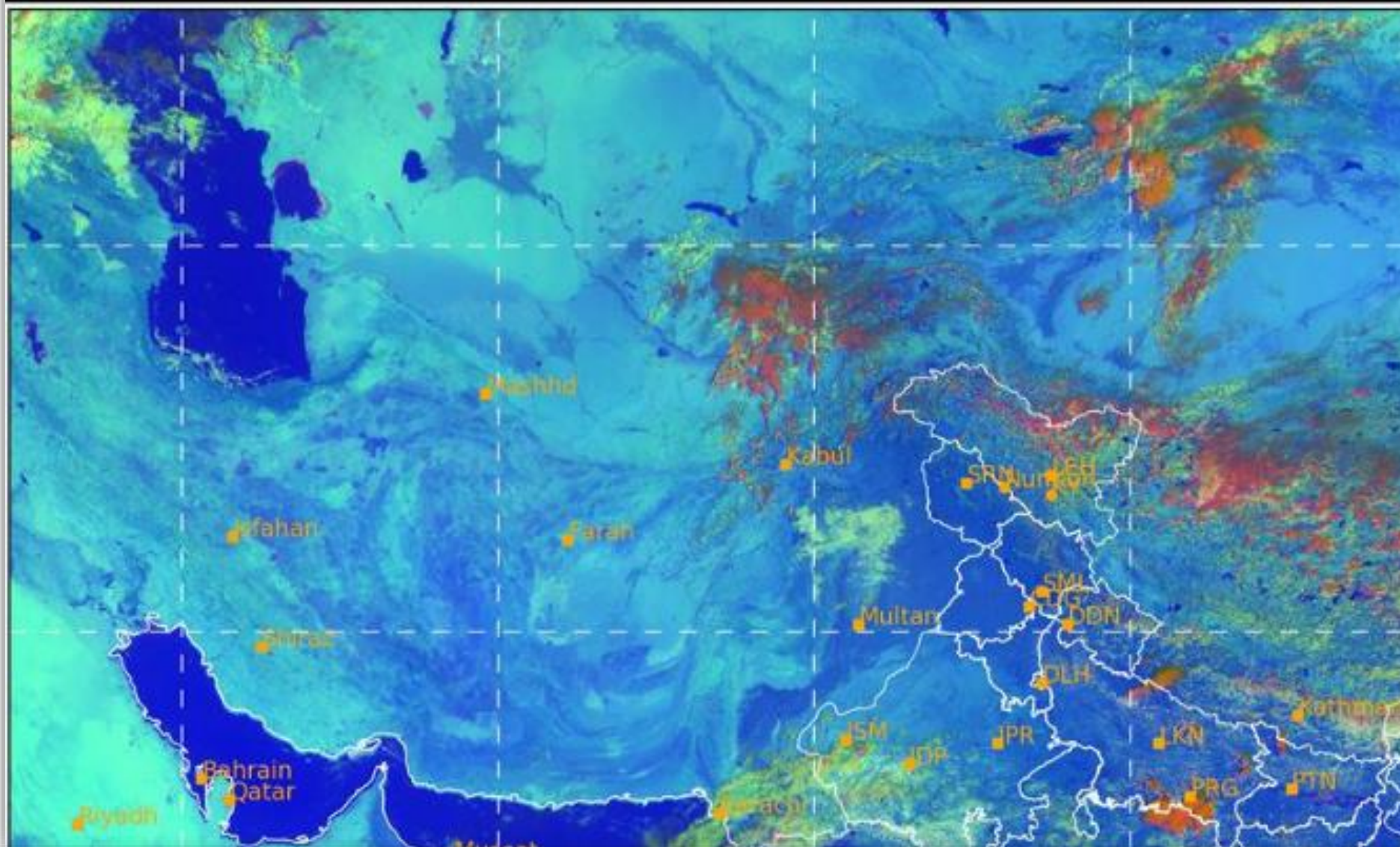
SAT : INSAT-3DR IMG

16-09-2026/(0445 to 0512) GMT

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

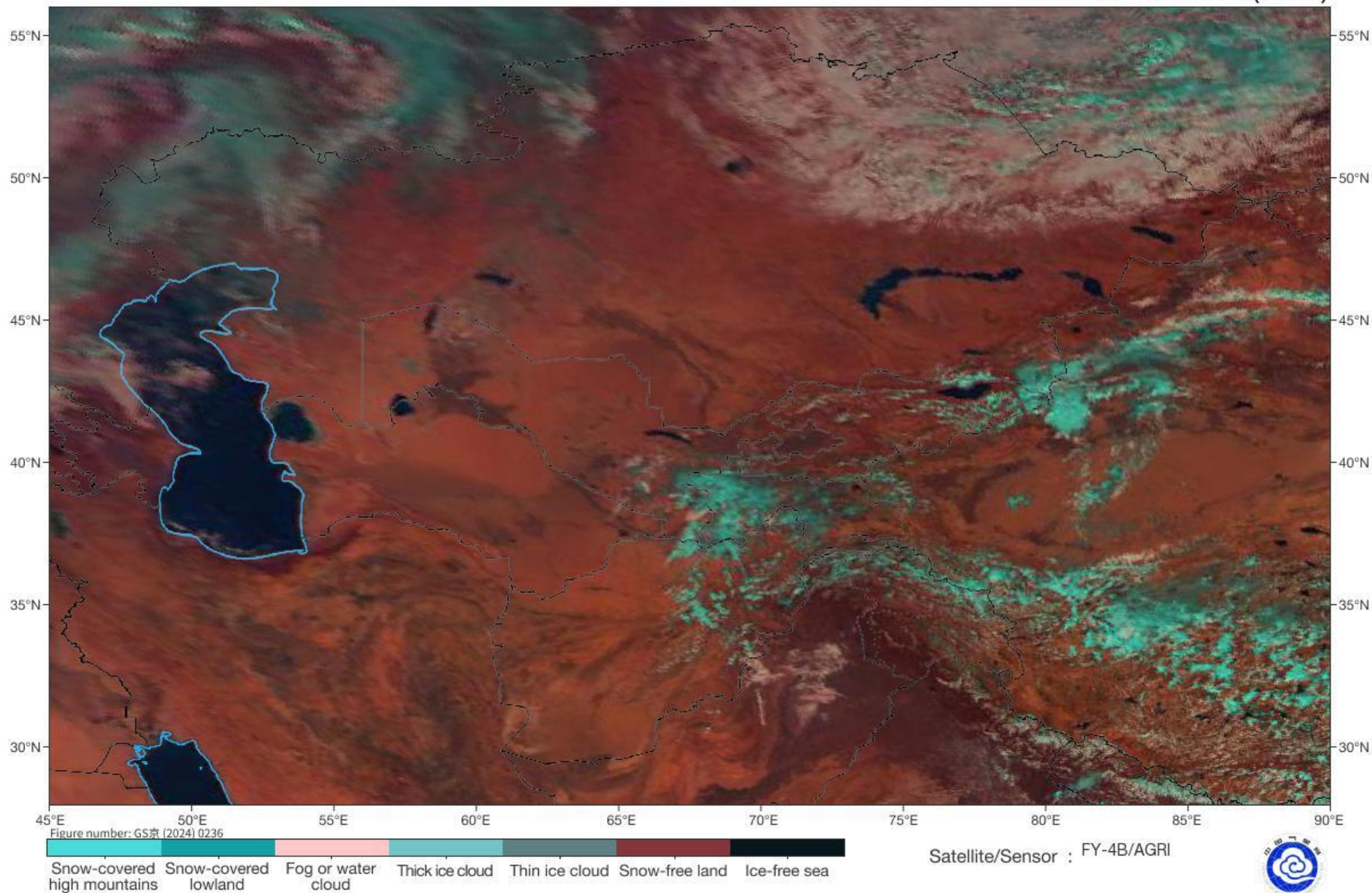
L1C Mercator

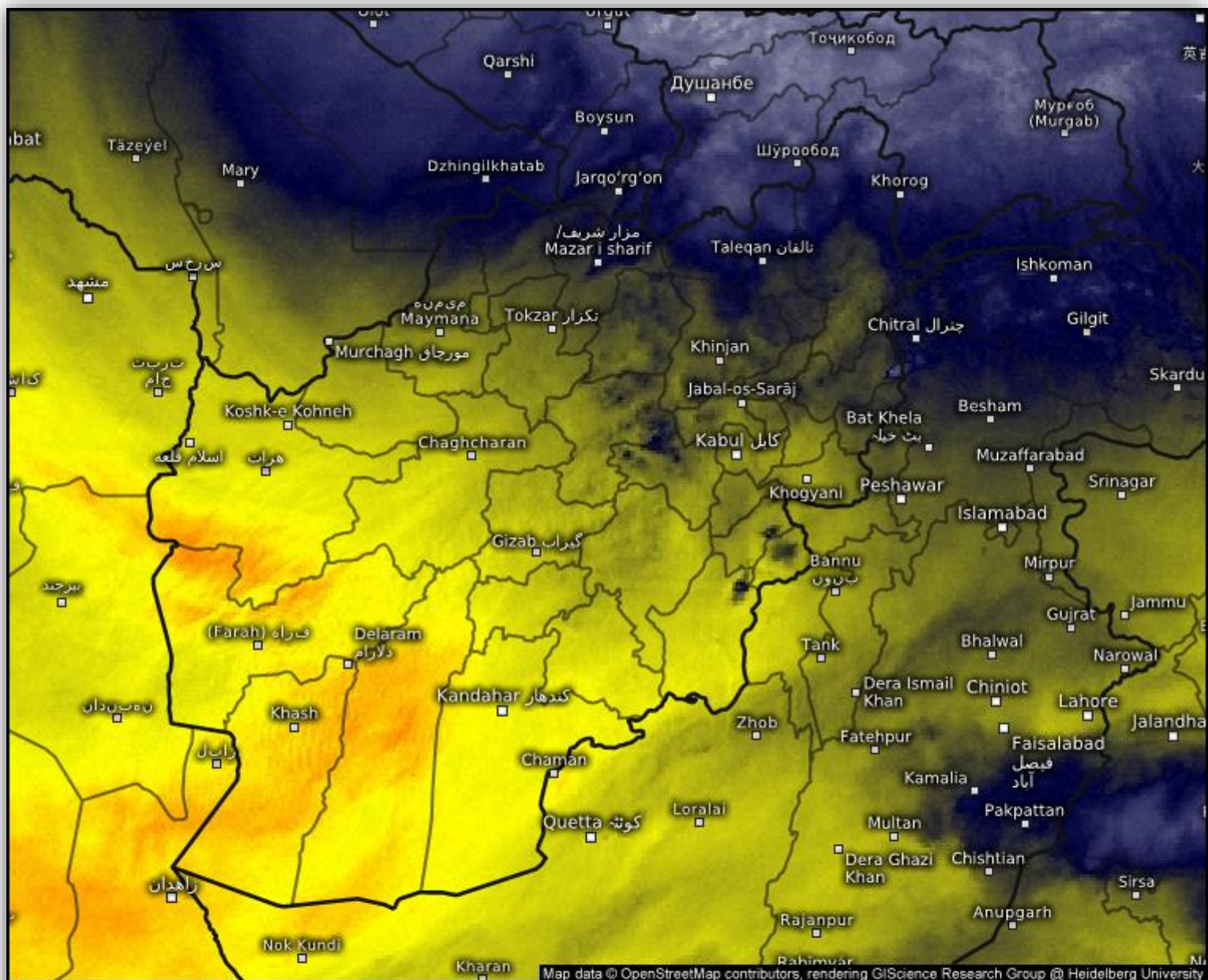
16-09-2026/(1015 to 1042) IST



Fog Identification

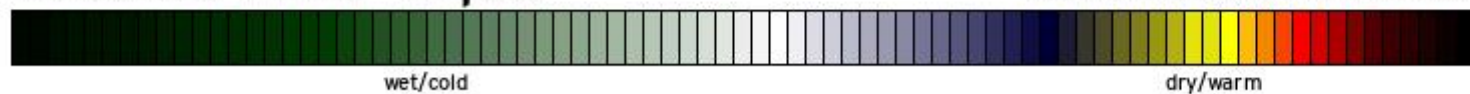
2026-09-16 06:00(UTC)





Satellite Water Vapor

Wed 09/16/2026, 10:30am GMT+0430



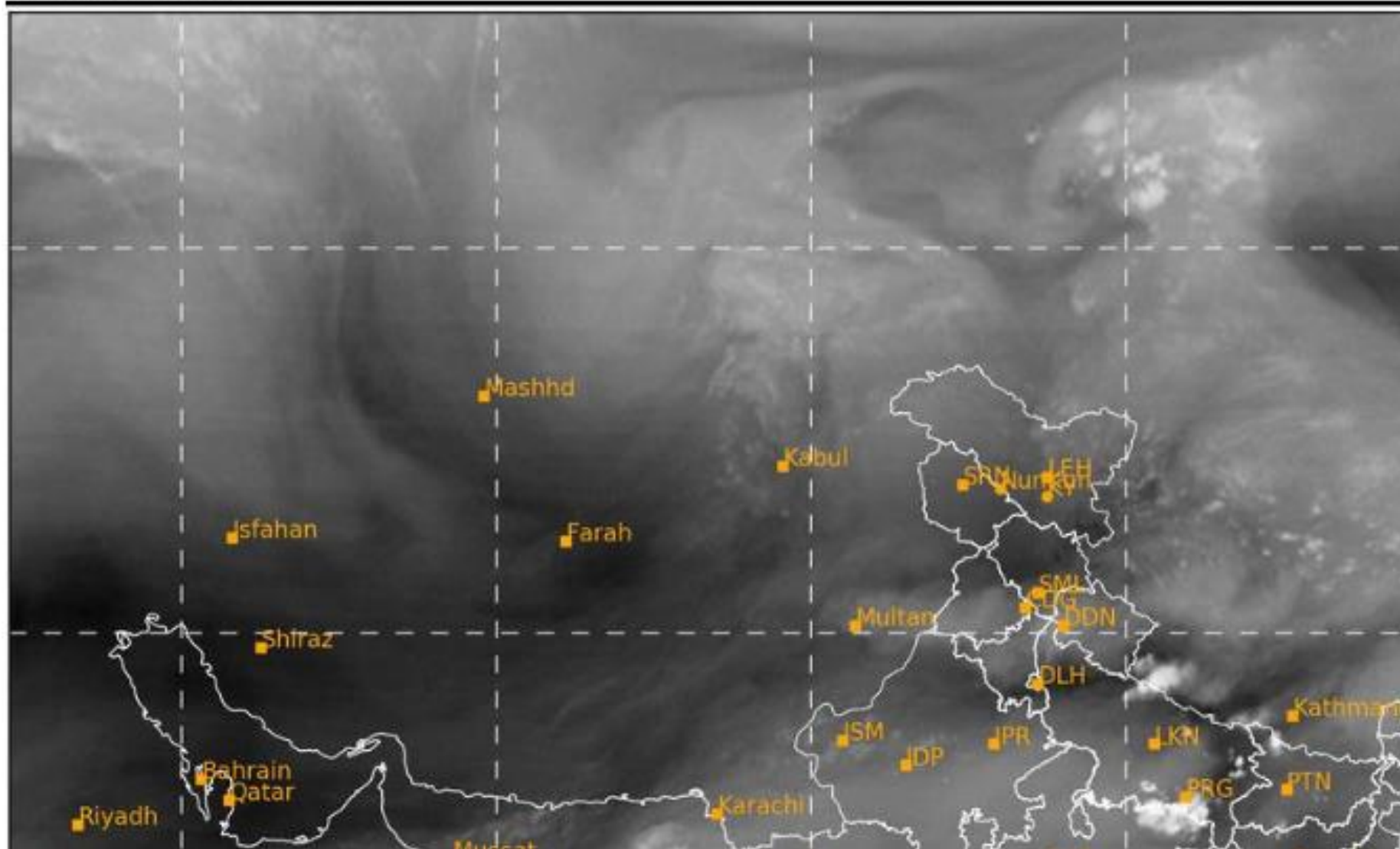
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Afghanistan

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Satellite data: EUMETSAT

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

16-09-2026/(0445 to 0512) GMT
16-09-2026/(1015 to 1042) IST



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

16-09-2026/(0445 to 0512) GMT
16-09-2026/(1015 to 1042) IST

