



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, 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	X	
5	central	X	✓	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	

Details: according to satellite imagery analysis, the southern, western, southeastern, northwestern and southwestern areas have warm air mass the northern area is cold air mass. the western, central, northeastern and northwestern areas have weak dust but some part of southern, southeastern and southwestern areas have dust storm. the eastern area has Lightening. the eastern, central, northeastern and southeastern areas have partly cloudy sky. The northern and northeastern areas have moderate water vapor the southern, eastern, central, southeastern, northwestern and southwestern areas have weak water vapor and western 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 10:45

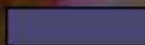
AirMass



Thick,
high-level cloud



Thick,
mid-level cloud



Thick,
low-level cloud



Jet



Cold Airmass



Warm Airmass
(high UTH)



Warm Airmass
(low UTH)

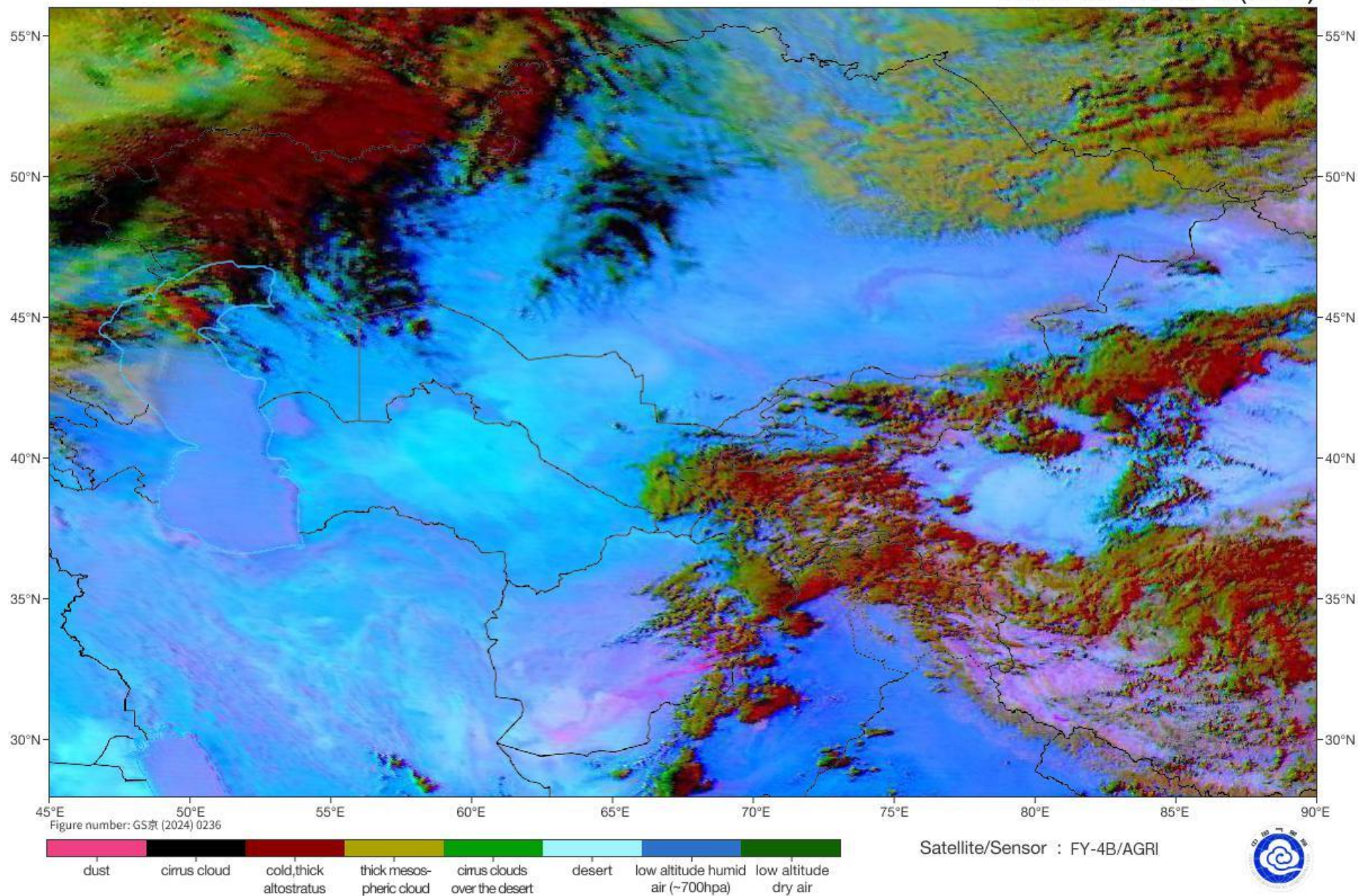
R = WV (6.25) - WV (7.1)
G = IR (8.5) - IR (10.8)
B = WV (6.25)

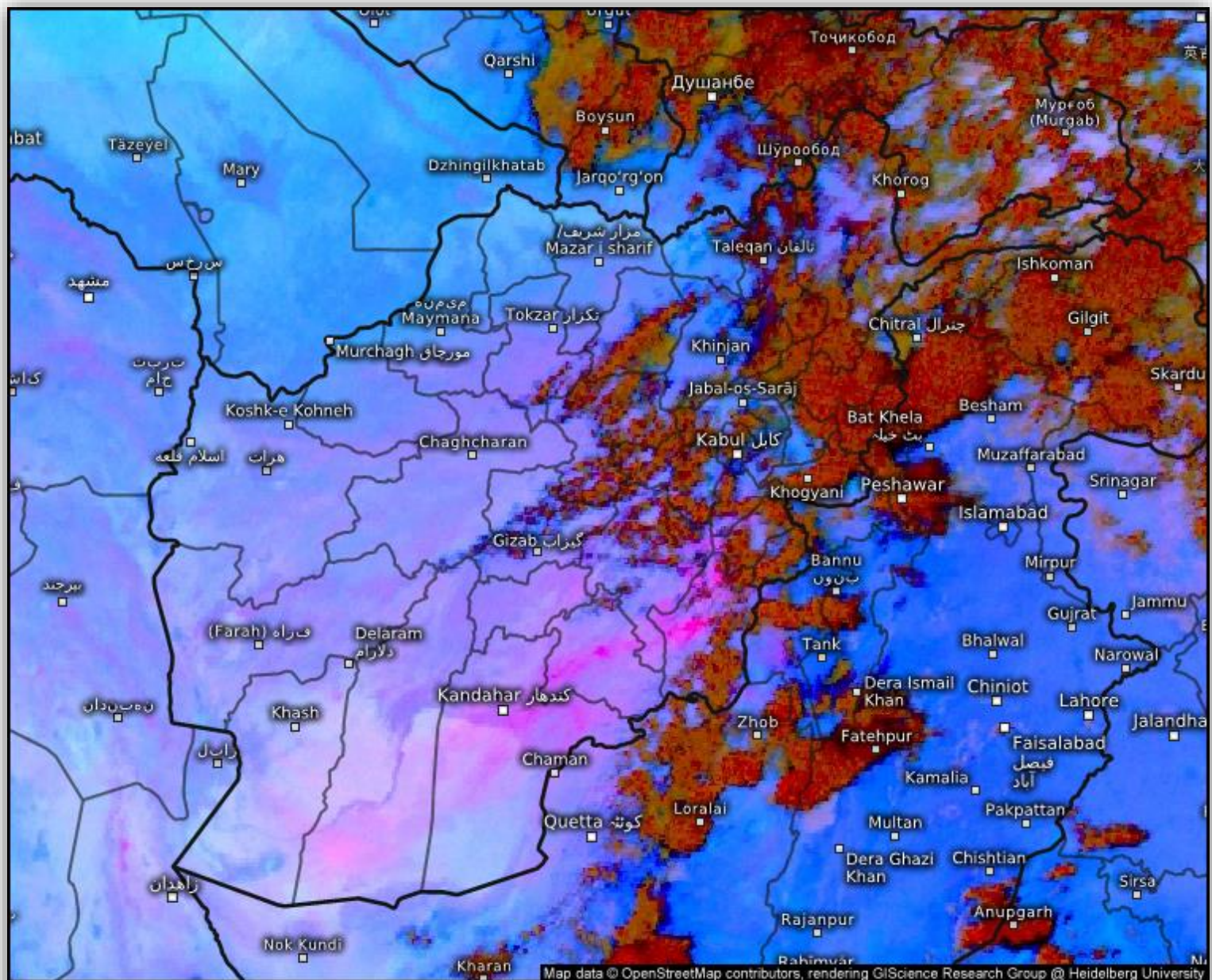
FY-4B AirMass RGB Composite (From WMO)



Sand And Dust Identification

2026-09-16 10:45(UTC)





Satellite Dust

Wed 09/16/2026, 03:15pm GMT+0430

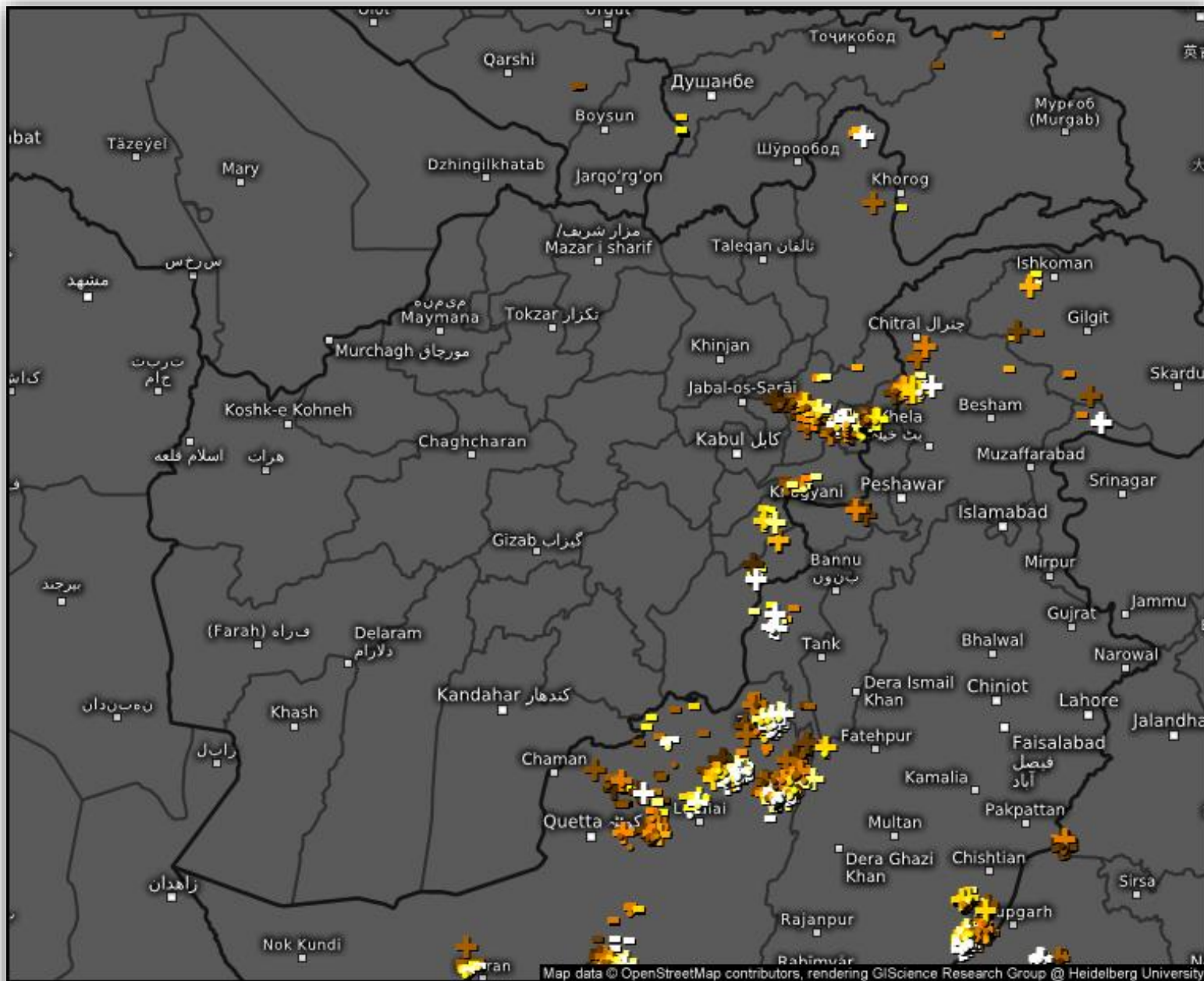
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Afghanistan

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Satellite data: EUMETSAT



Age of lightning (minutes)

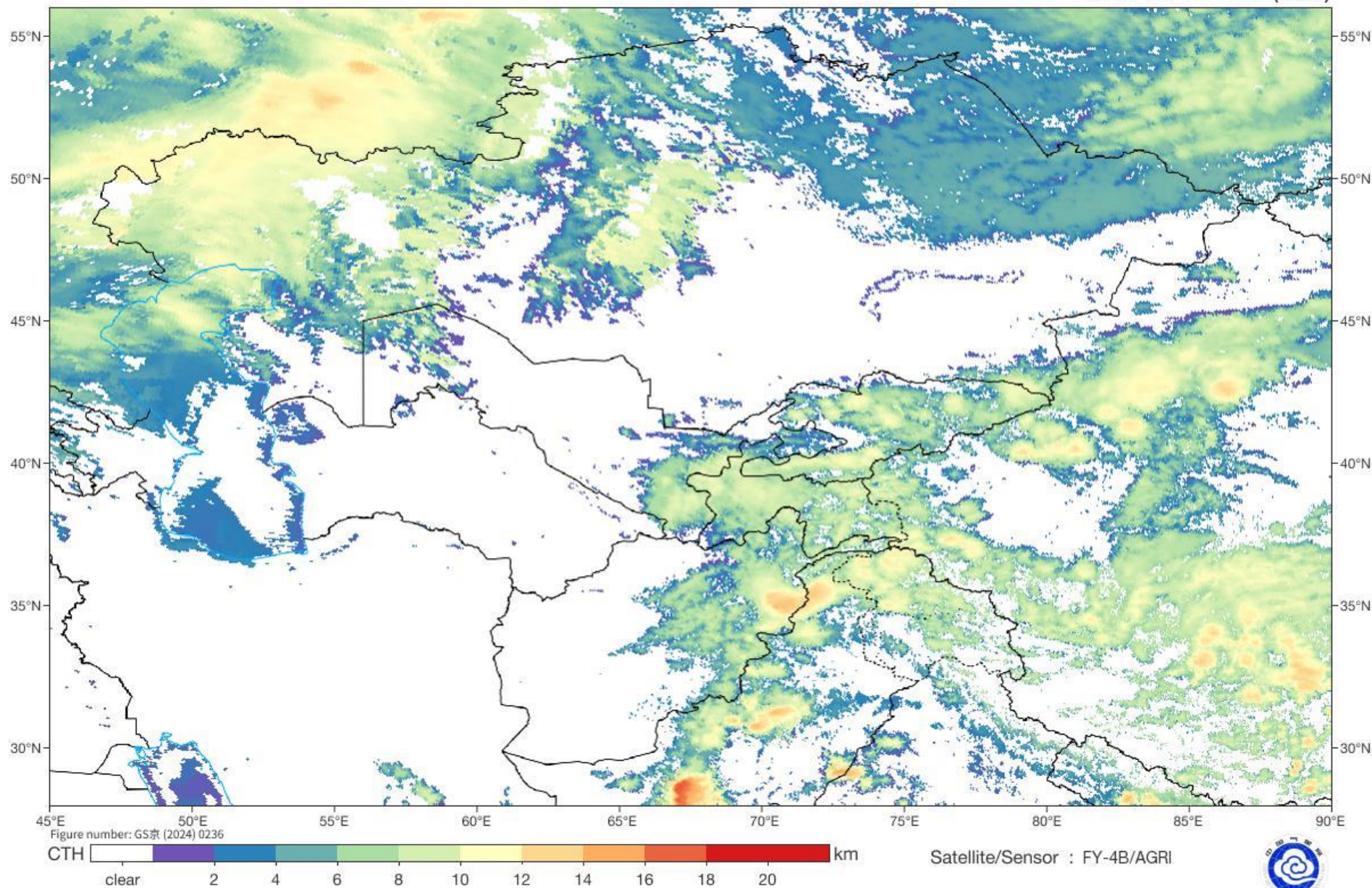
Wed 09/16/2026, 03:30pm GMT+0430



Afghanistan

Cloud Top Height

2026-09-16 10:45(UTC)



Live satellite map, Afghanistan



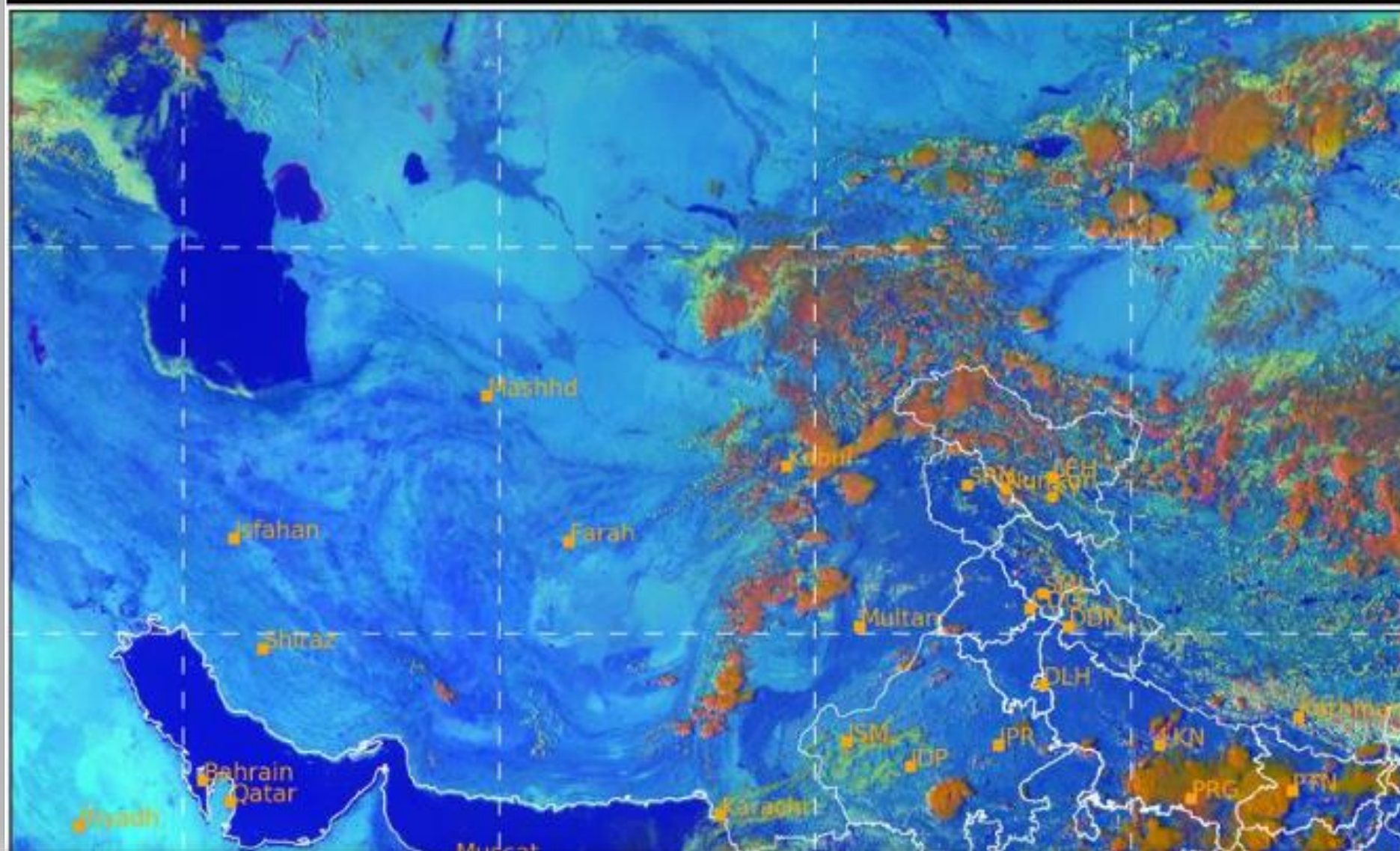
SAT : INSAT-3DR IMG

16-09-2026/(0945 to 1012) GMT

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

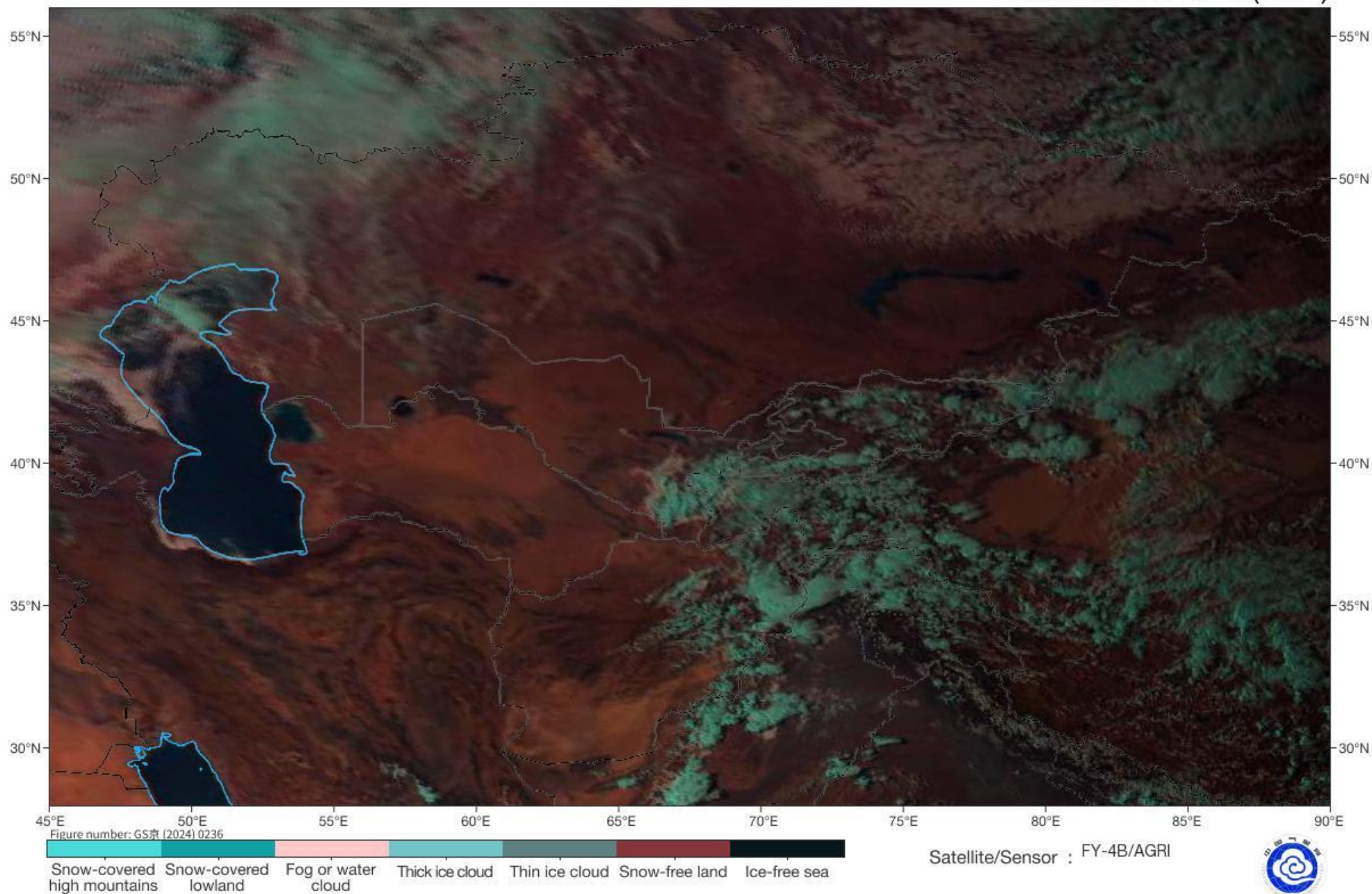
L1C Mercator

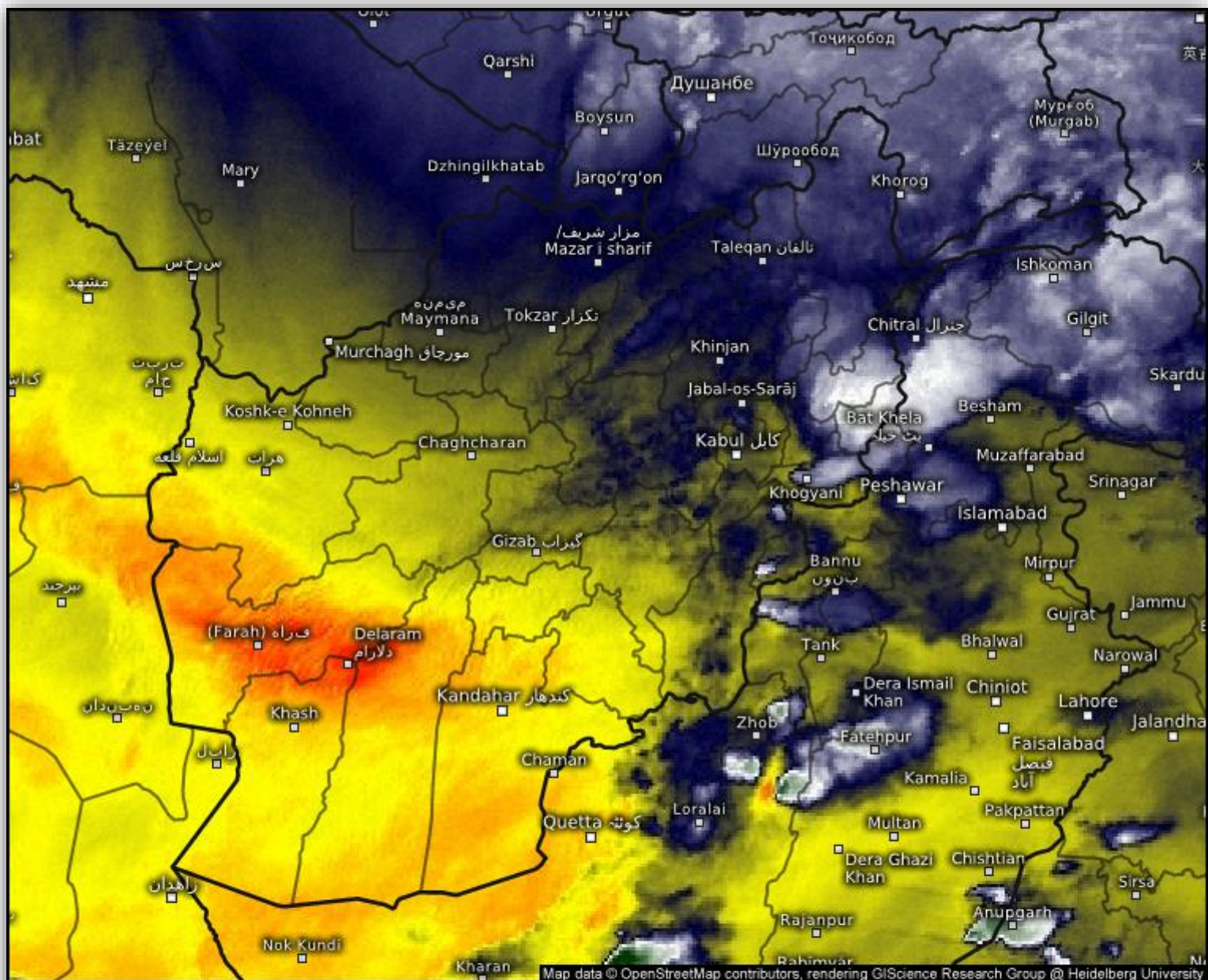
16-09-2026/(1515 to 1542) IST



Fog Identification

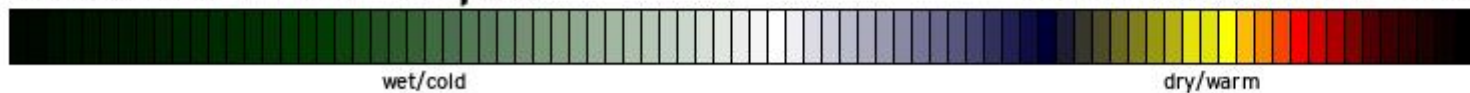
2026-09-16 10:45(UTC)





Satellite Water Vapor

Wed 09/16/2026, 03:15pm GMT+0430



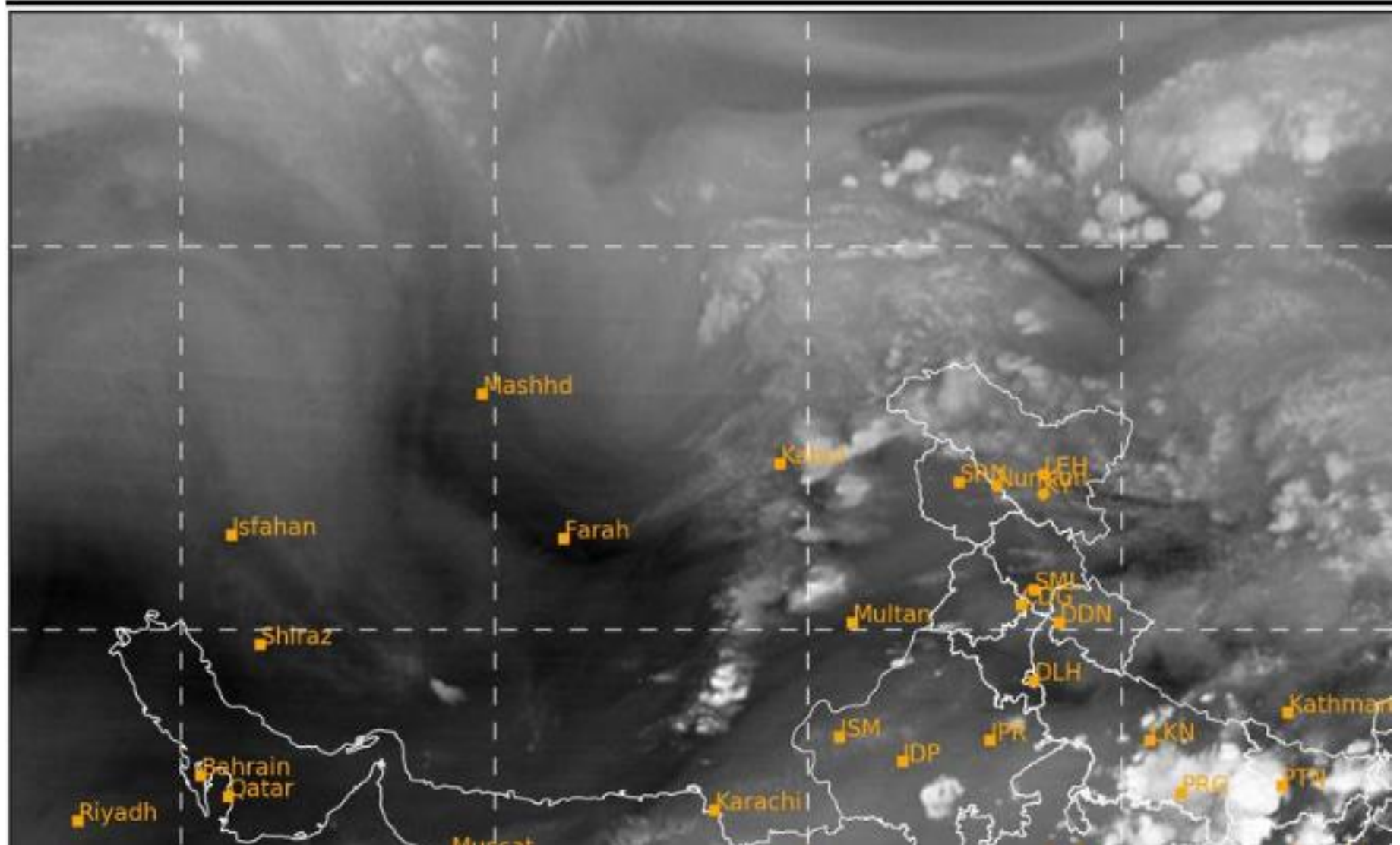
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Afghanistan

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Satellite data: EUMETSAT

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

16-09-2026/(0945 to 1012) GMT
16-09-2026/(1515 to 1542) IST



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

16-09-2026/(0945 to 1012) GMT
16-09-2026/(1515 to 1542) IST

