



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



Daily reports of Satellite imagery analysis. Date & Time: 27-09-2026, 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	
5	central	✓	✓	X	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	X	
9	Southwest	✓	✓	X	X	X	✓	X	X	

Details: according to satellite imagery analysis, the eastern, central, northeastern and southeastern areas have warm air mass but the northern, southern, western, northwestern and southwestern areas have cold air mass. the western, eastern, central, northeastern and southeastern areas have weak dust but the southern and southwestern area have dust storm. The northern, western, central, northeastern and northwestern areas have moderate water vapor but the southern, eastern, southeastern and southwestern areas have weak water vapor.

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

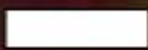
Reported by: Mohammad Jawed Moradi

Legend:

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

UTC: 2026-09-27 06:00

AirMass



Thick,
high-level cloud



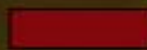
Thick,

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)

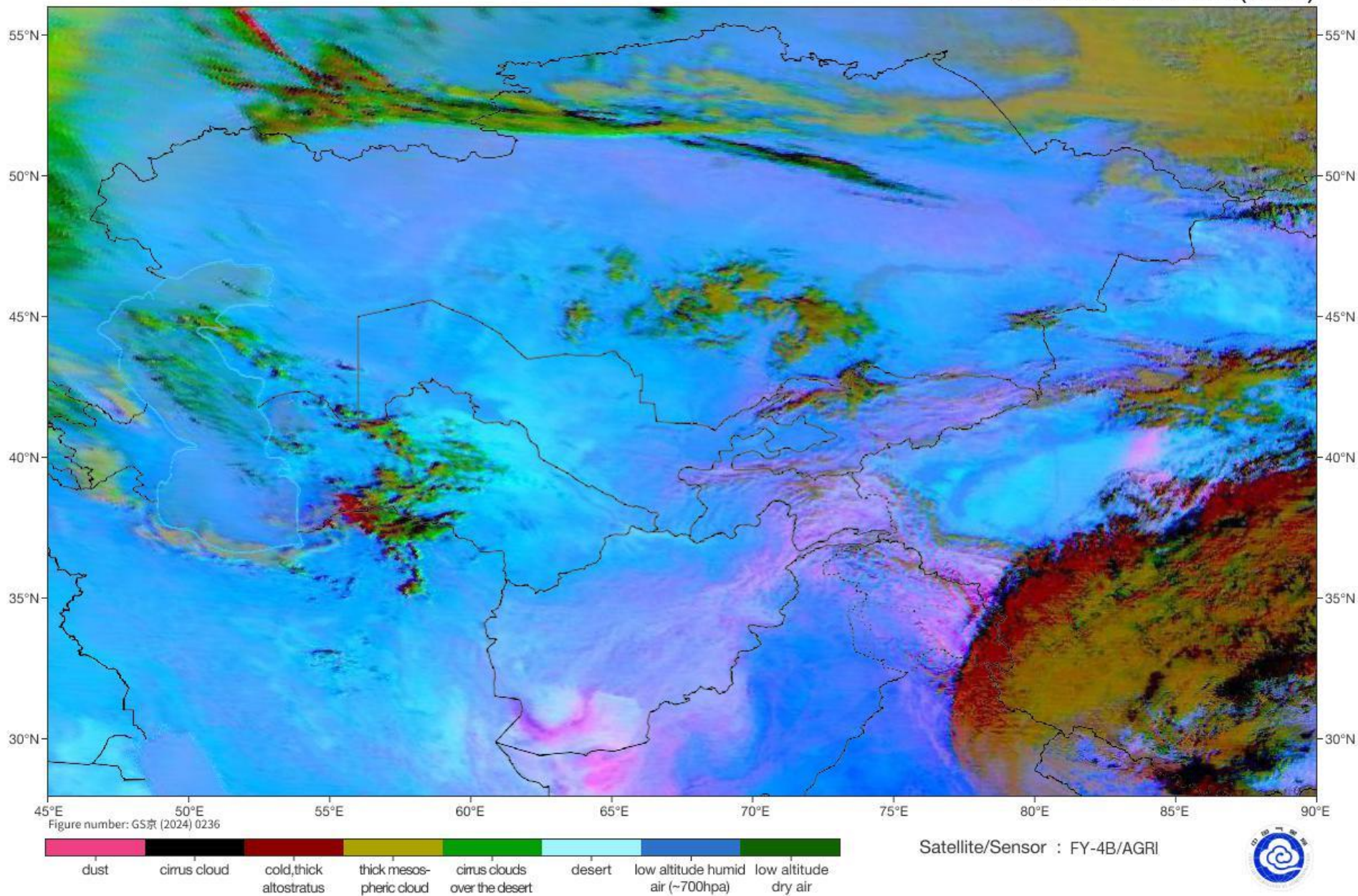
B = WV (6.25)

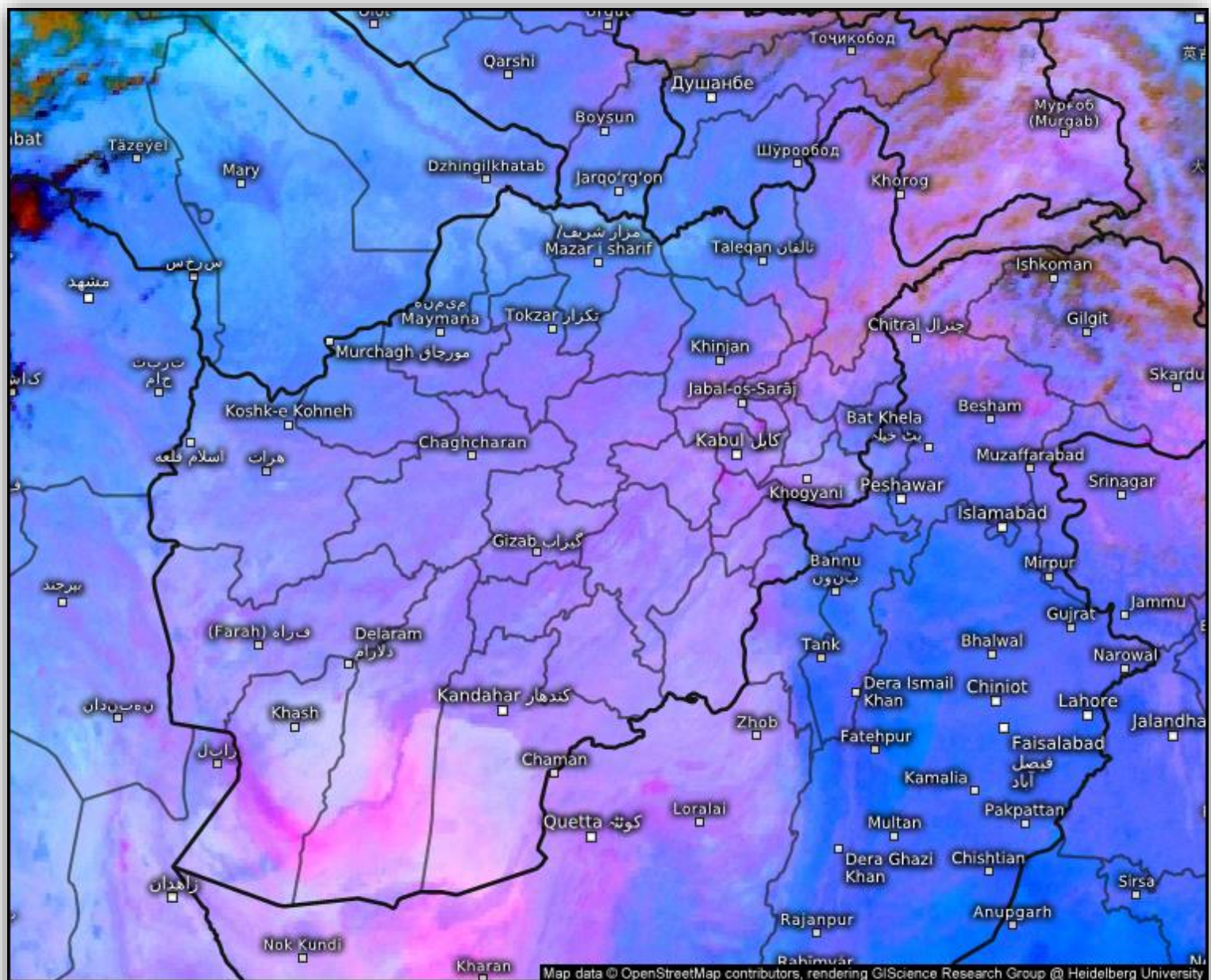
FY-4B AirMass RGB Composite (From WMO)



Sand And Dust Identification

2026-09-27 06:00(UTC)





Satellite Dust

Sun 09/27/2026, 10:30am GMT+0430

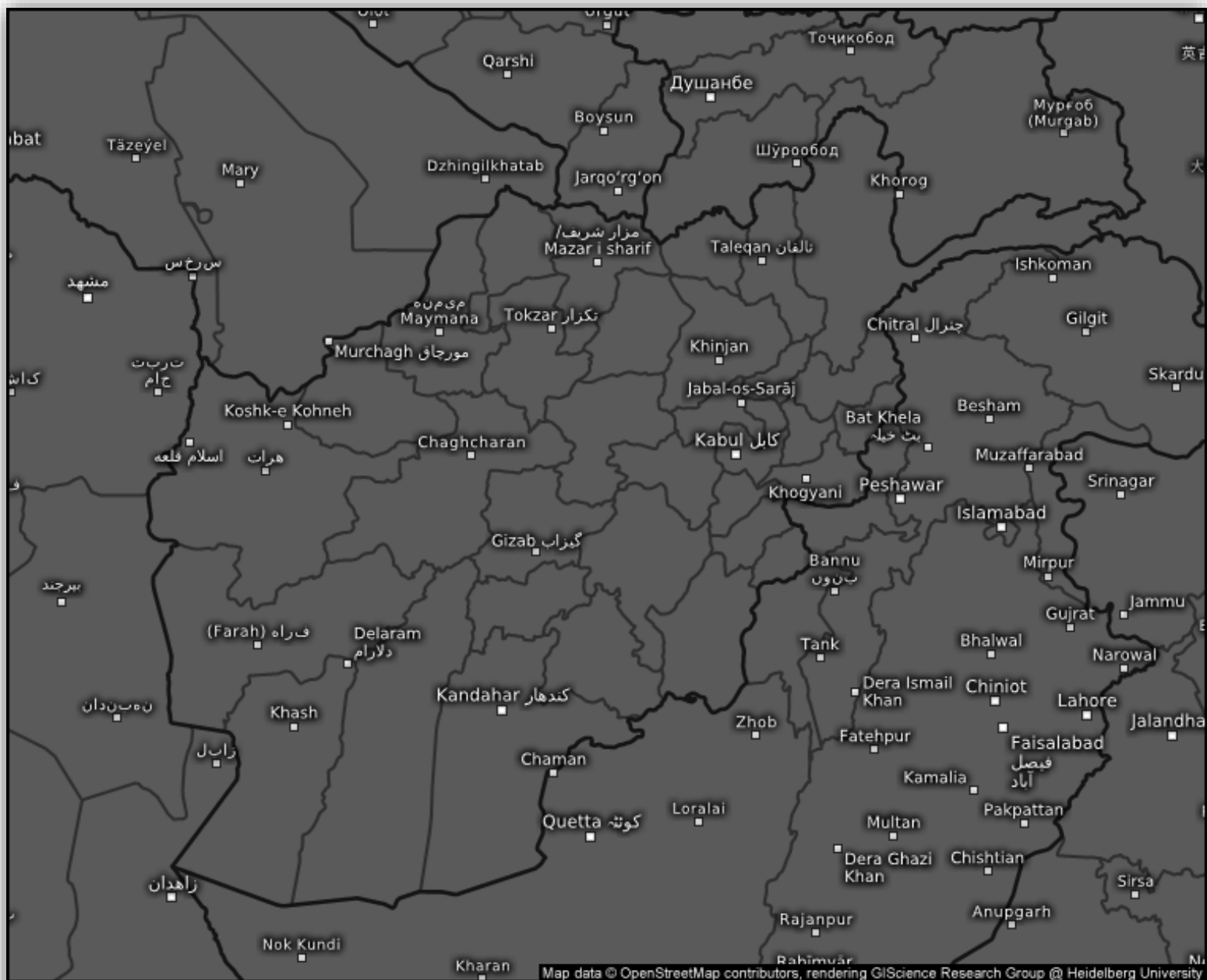
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Afghanistan

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Satellite data: EUMETSAT



Age of lightning (minutes)

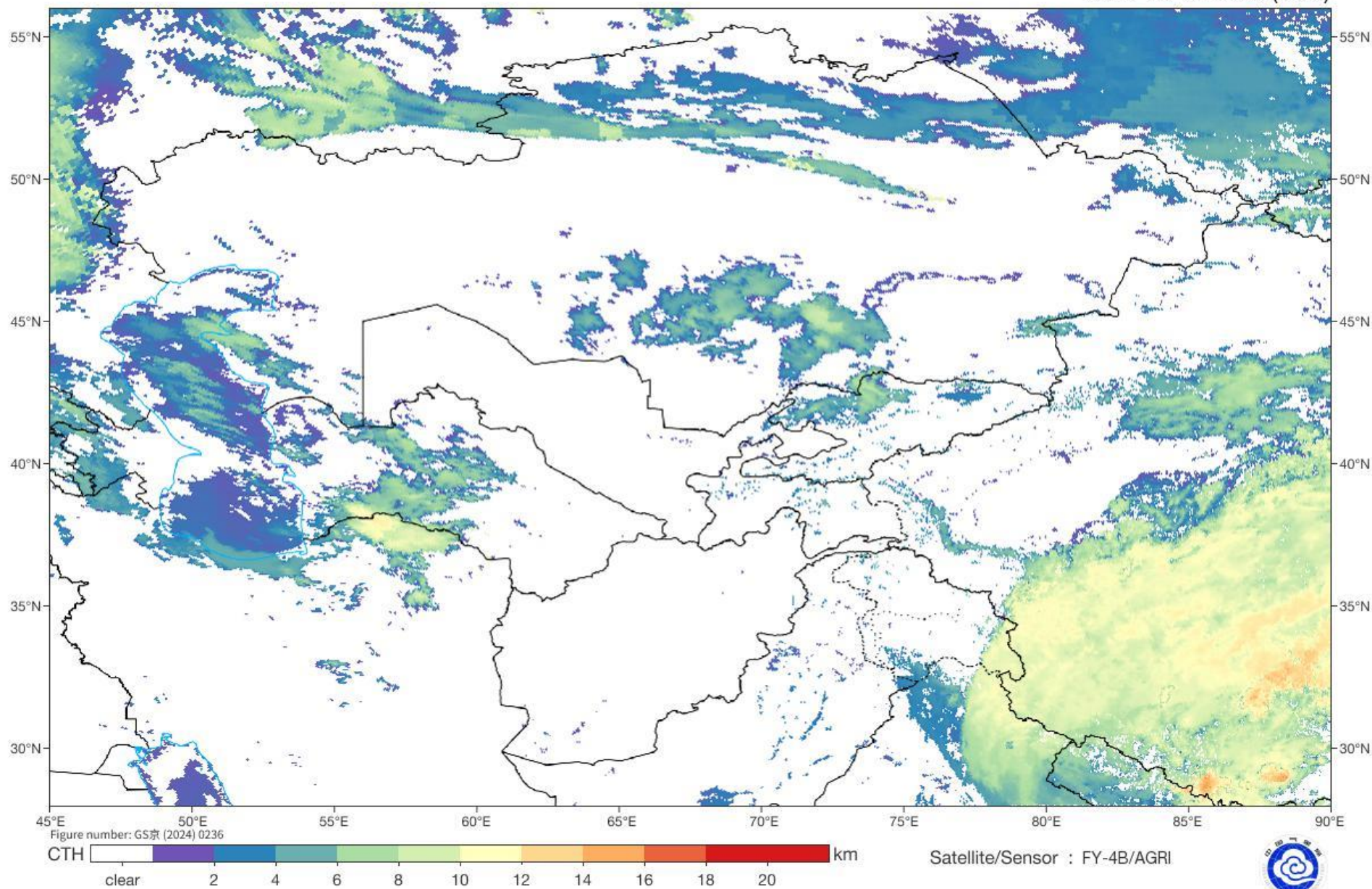
Sun 09/27/2026, 10:30am GMT+0430



Afghanistan

Cloud Top Height

2026-09-27 06:00(UTC)



Live satellite map, Afghanistan



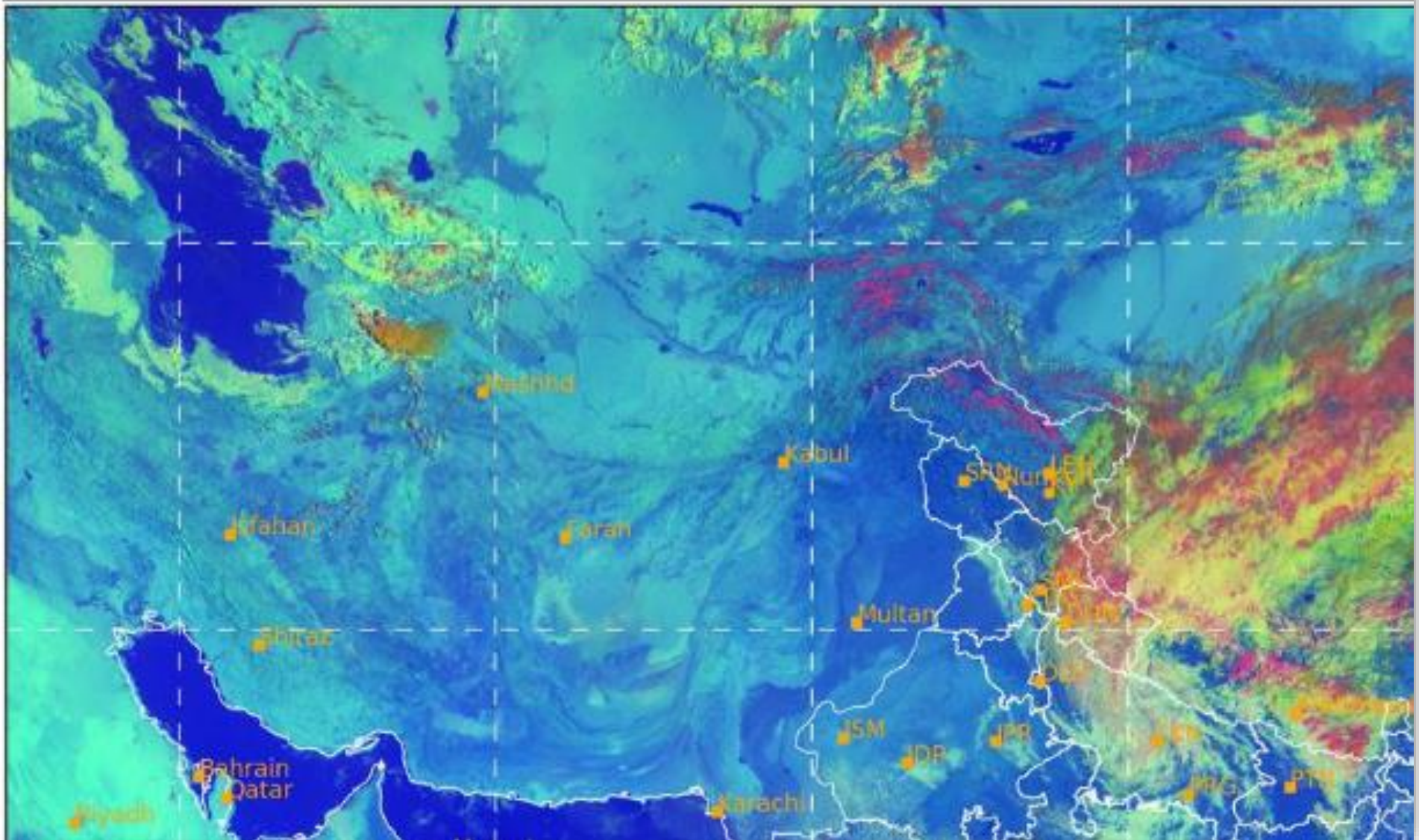
SAT : INSAT-3DR IMG

27-09-2026/(0415 to 0442) GMT

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

L1C Mercator

27-09-2026/(0945 to 1012) IST

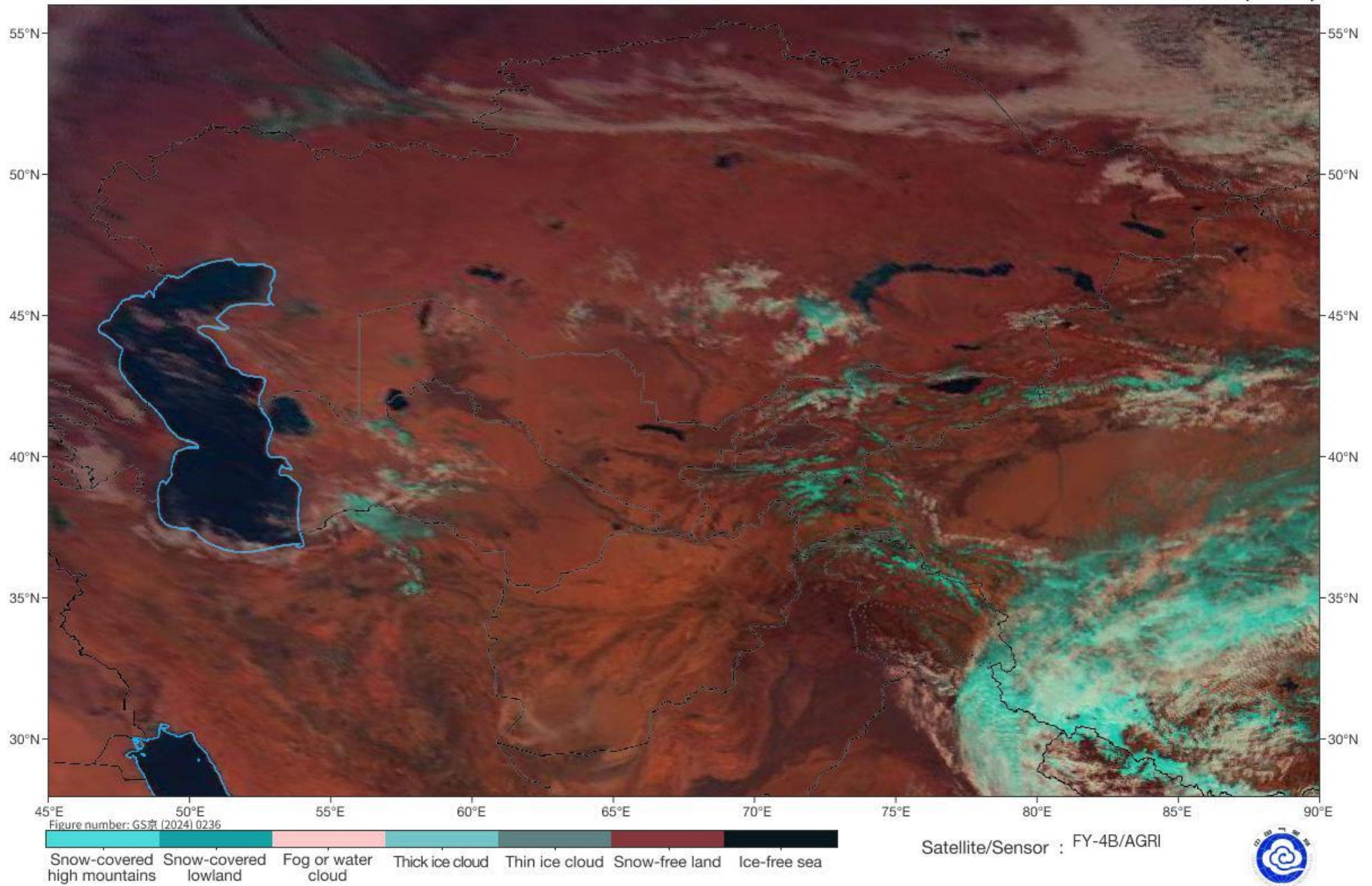


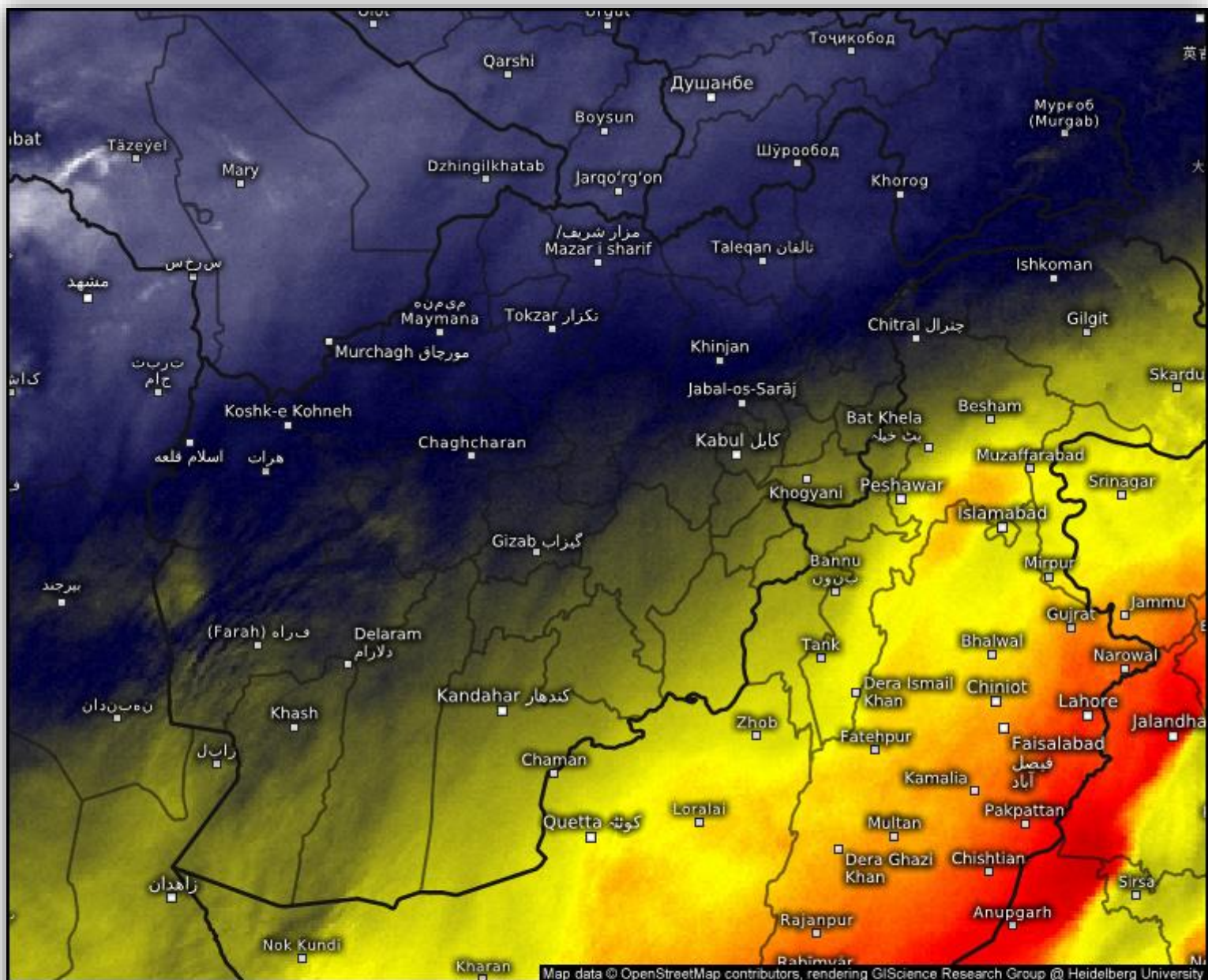
0	100% 0	60% 203	323K
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Fog Low Clouds Mid Orographic Cloud CB Snow Dust

Fog Identification

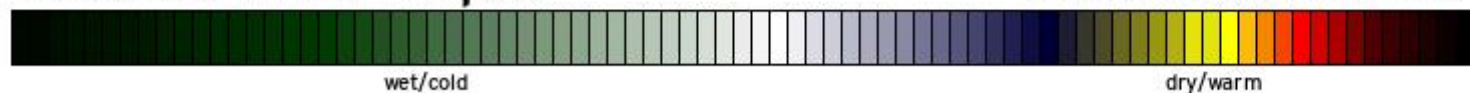
2026-09-27 06:00(UTC)





Satellite Water Vapor

Sun 09/27/2026, 10:30am GMT+0430



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 Afghanistan

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Satellite data: EUMETSAT

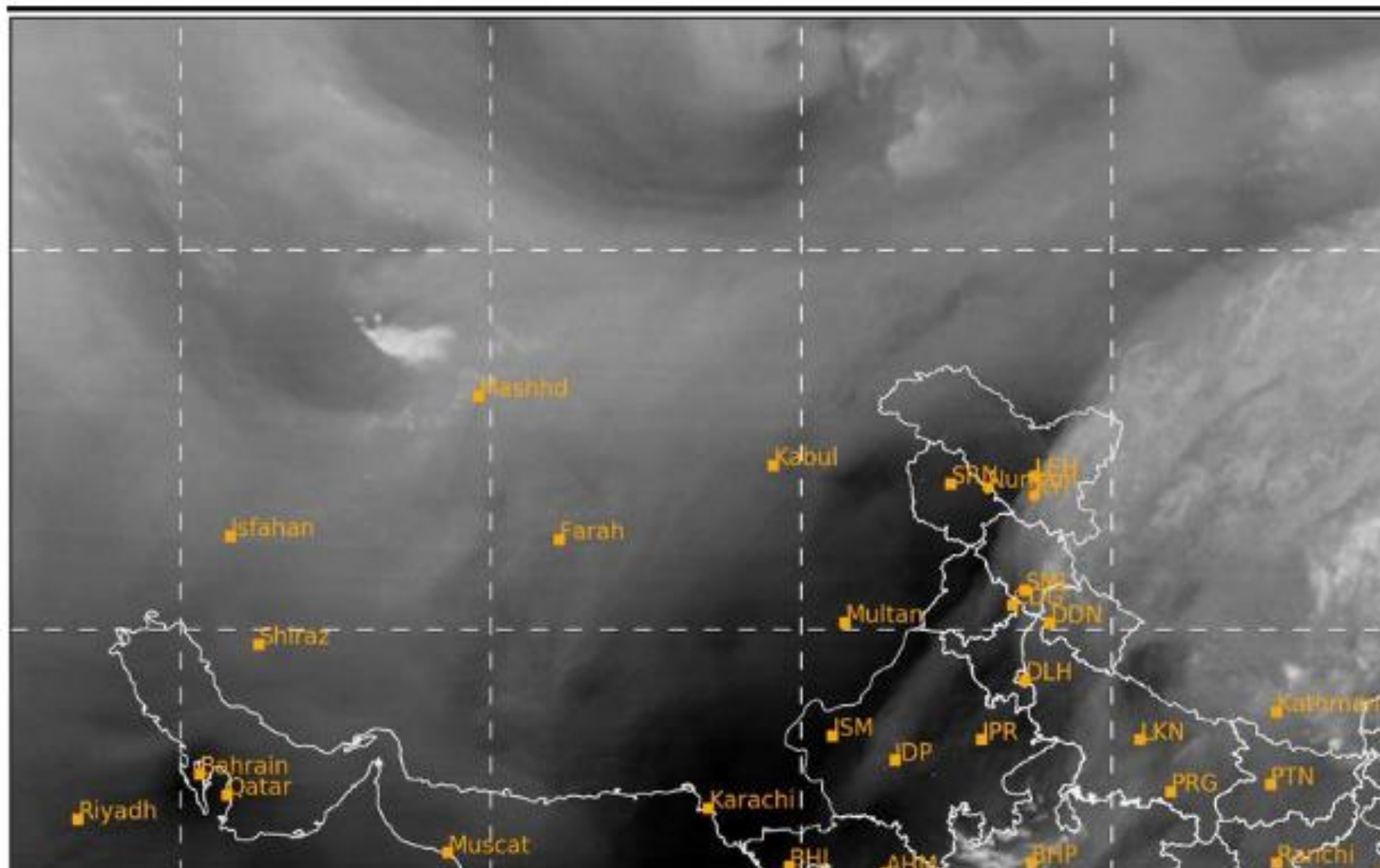
SAT : INSAT-3DR IMG

IMG_WV 6.8 um

L1C Mercator

27-09-2026/(0415 to 0442) GMT

27-09-2026/(0945 to 1012) IST



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

27-09-2026/(0415 to 0442) GMT
27-09-2026/(0945 to 1012) IST

