



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, 09:00 UTC

No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	X	X	X	✓	X	✓	X	✓	
2	South	✓	X	X	X	X	✓	X	✓	
3	West	✓	X	X	X	X	✓	X	X	
4	East	X	X	✓	✓	X	✓	X	X	Thunder storm
5	central	X	X	✓	✓	X	✓	X	X	Thunder storm
6	Northeast	X	X	X	✓	X	✓	X	X	
7	Southeast	X	X	✓	✓	X	✓	X	X	Thunder storm
8	Northwest	✓	X	X	X	X	✓	X	X	
9	Southwest	✓	✓	X	X	X	✓	X	✓	

Details: according to satellite imagery analysis, the southern, western, northwestern and southwestern regions have weak warm air mass. The southwestern regions have dust storm. The eastern, central and southeastern regions have thunder storm. The northern, eastern, central, northeastern and southeastern regions have cloudy sky. The southern, northwestern regions have weak water vapor, the northern, eastern, central, northeastern, southeastern regions have moderate water vapor and the western, southwestern regions have dry water vapor. The northern, southern and southwestern regions have Jetstream.

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

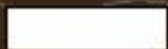
Reported by: Esmatullah Mohammadi

Legend:

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

UTC: 2026-09-15 23:15

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)

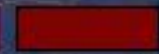
FY-4B AirMass RGB Composite (From WMO)

UTC: 2026-09-15 23:15

Dust



Dust



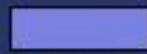
High-level cloud



Thick,
mid-level cloud



Thin,
mid-level cloud



Ocean



Land



Low-level cloud



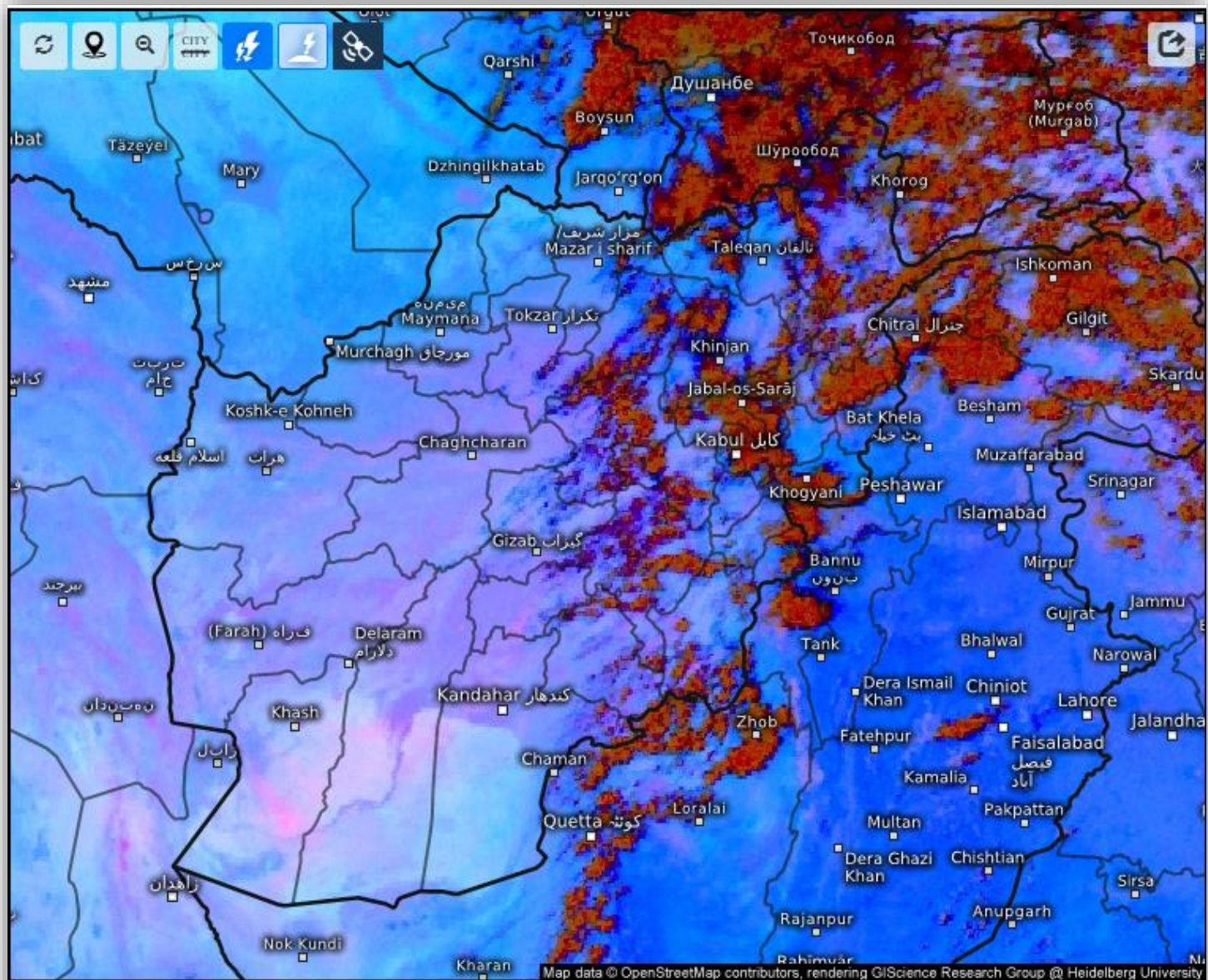
Cirrus

$R = IR(12.0) - IR(10.8)$

$G = IR(10.8) - IR(8.5)$

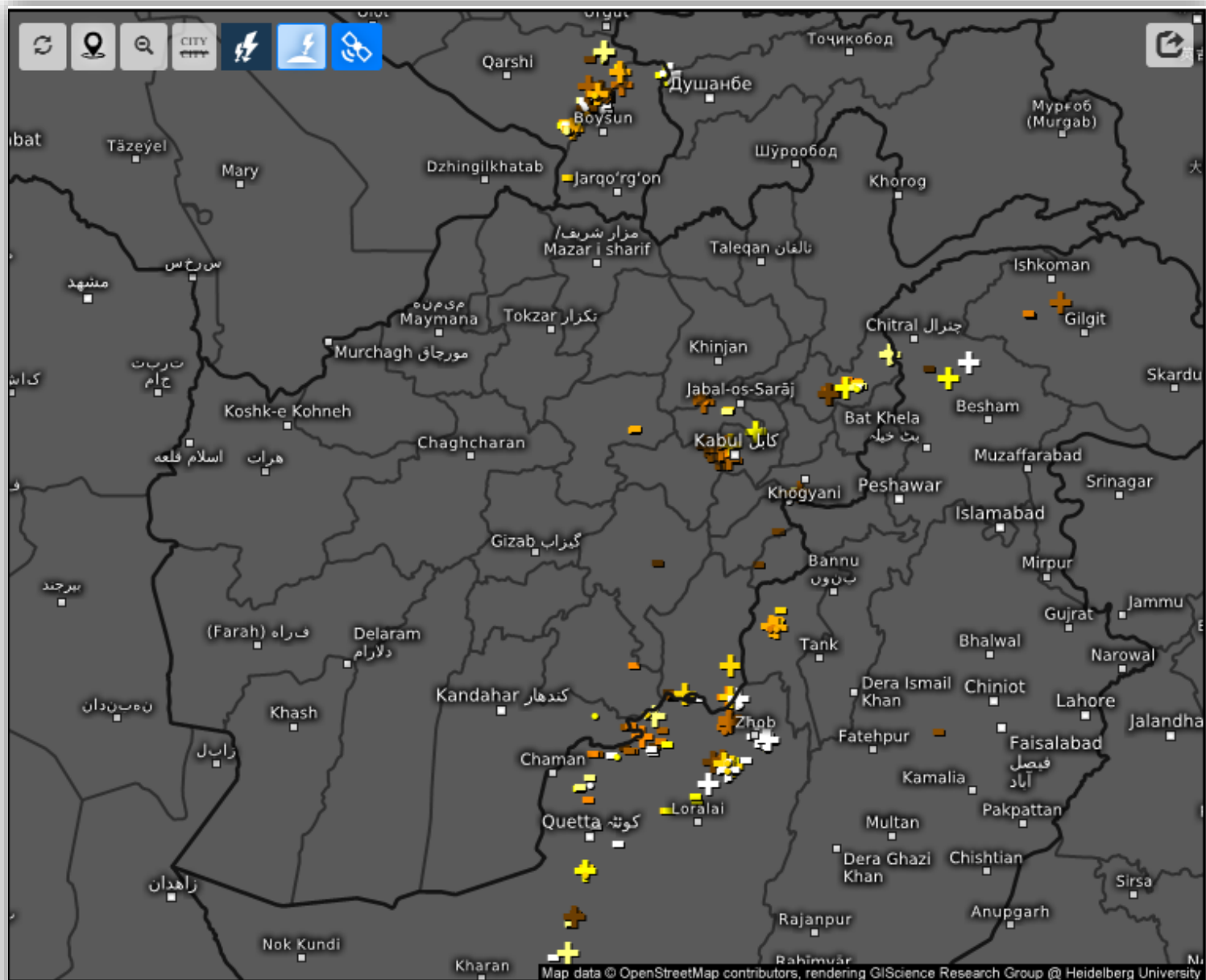
$B = IR(10.8)$

FY-4B Dust RGB Composite (From WMO)



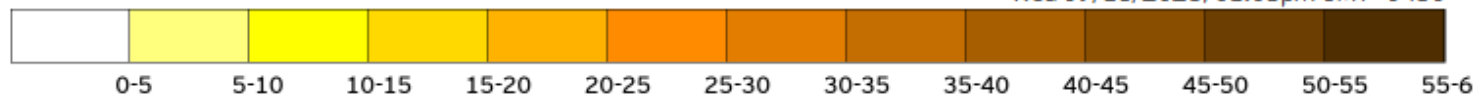
Satellite Dust 

Wed 09/16/2026, 12:45pm GMT+0430



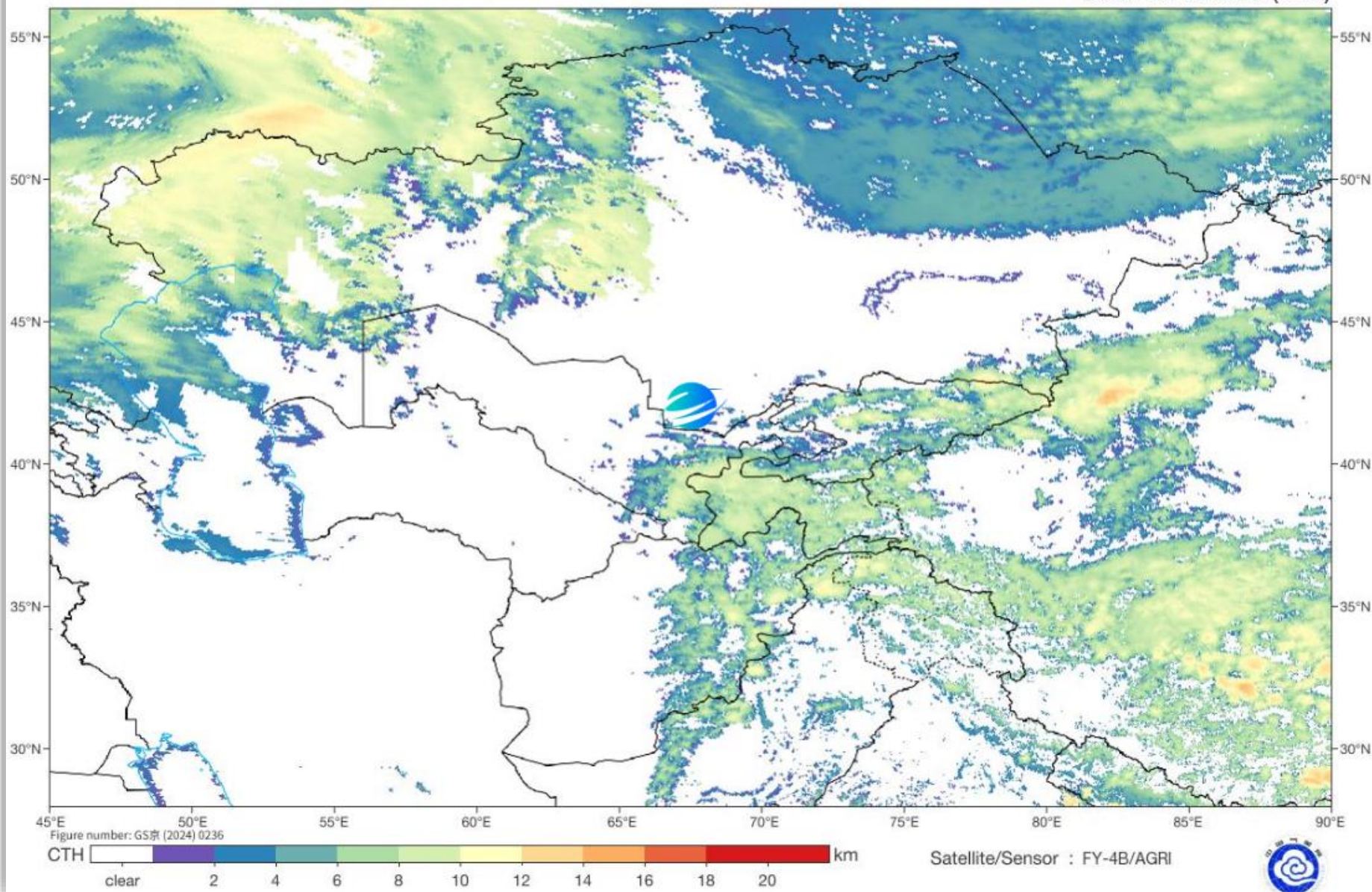
Age of lightning (minutes) 

Wed 09/16/2026, 01:05pm GMT+0430

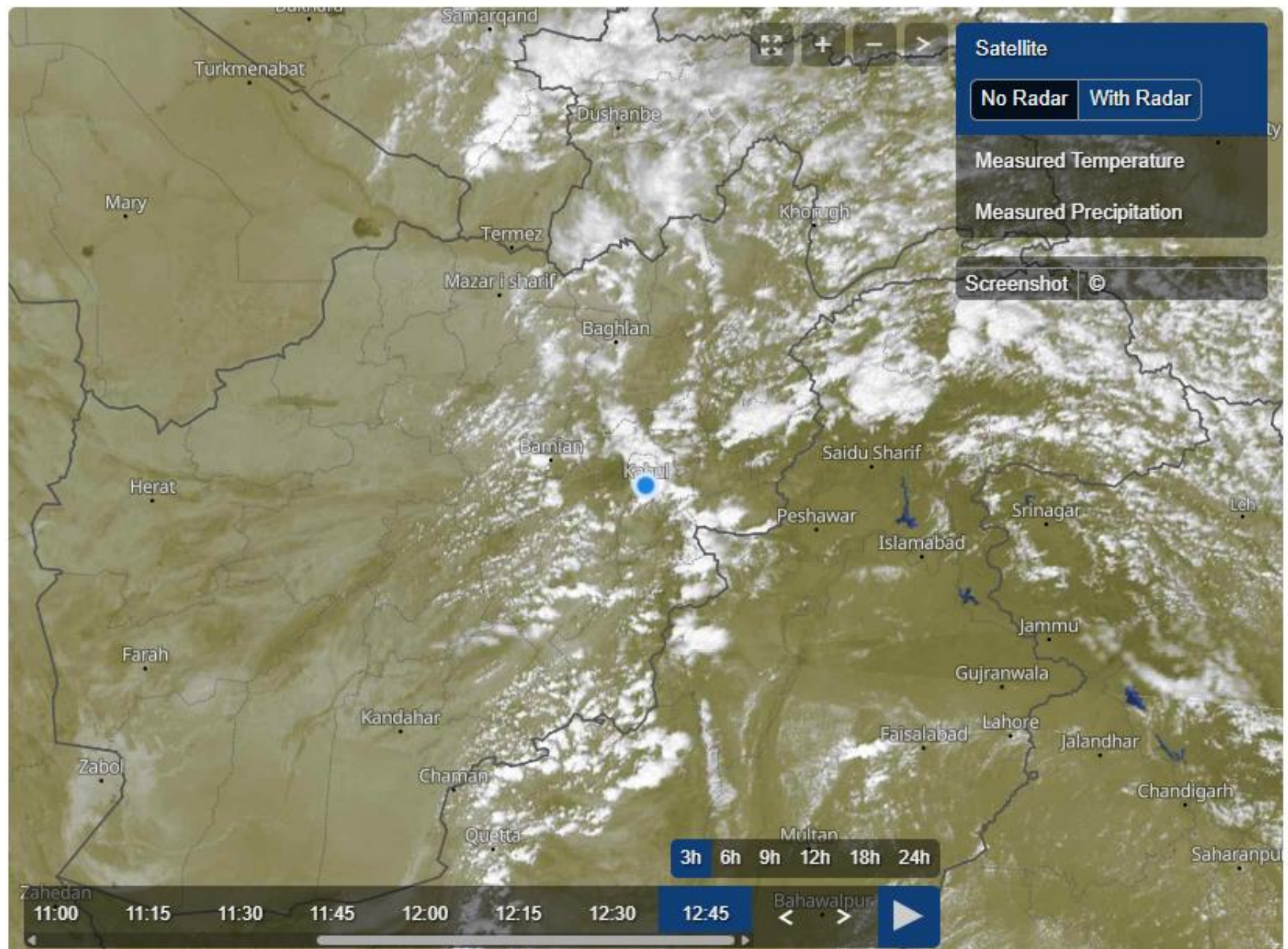


Cloud Top Height

2026-09-16 08:00(UTC)



Live satellite map, Afghanistan



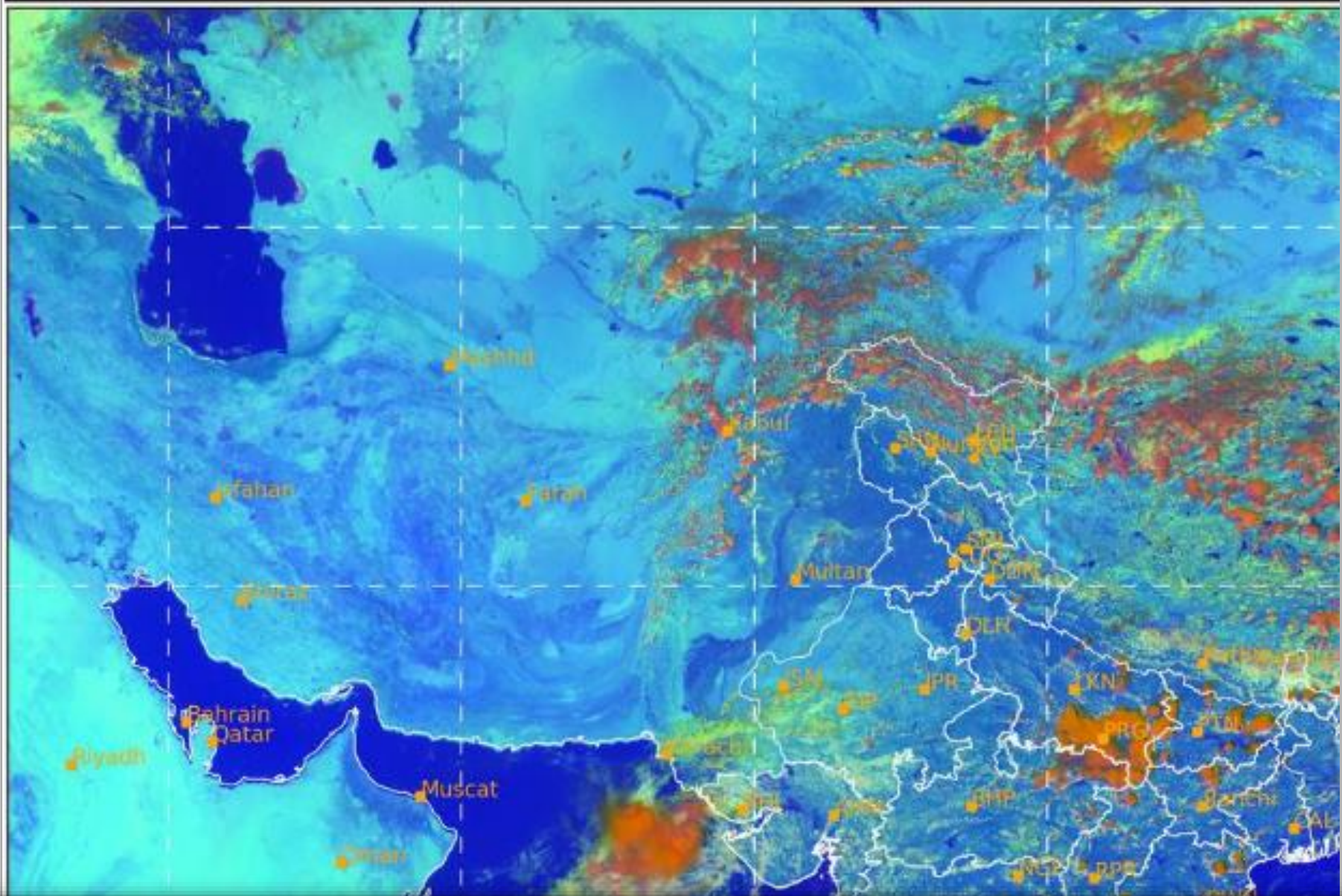
SAT : INSAT-3DR IMG

16-09-2026/(0715 to 0742) GMT

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

L1C Mercator

16-09-2026/(1245 to 1312) IST



0

100% 0

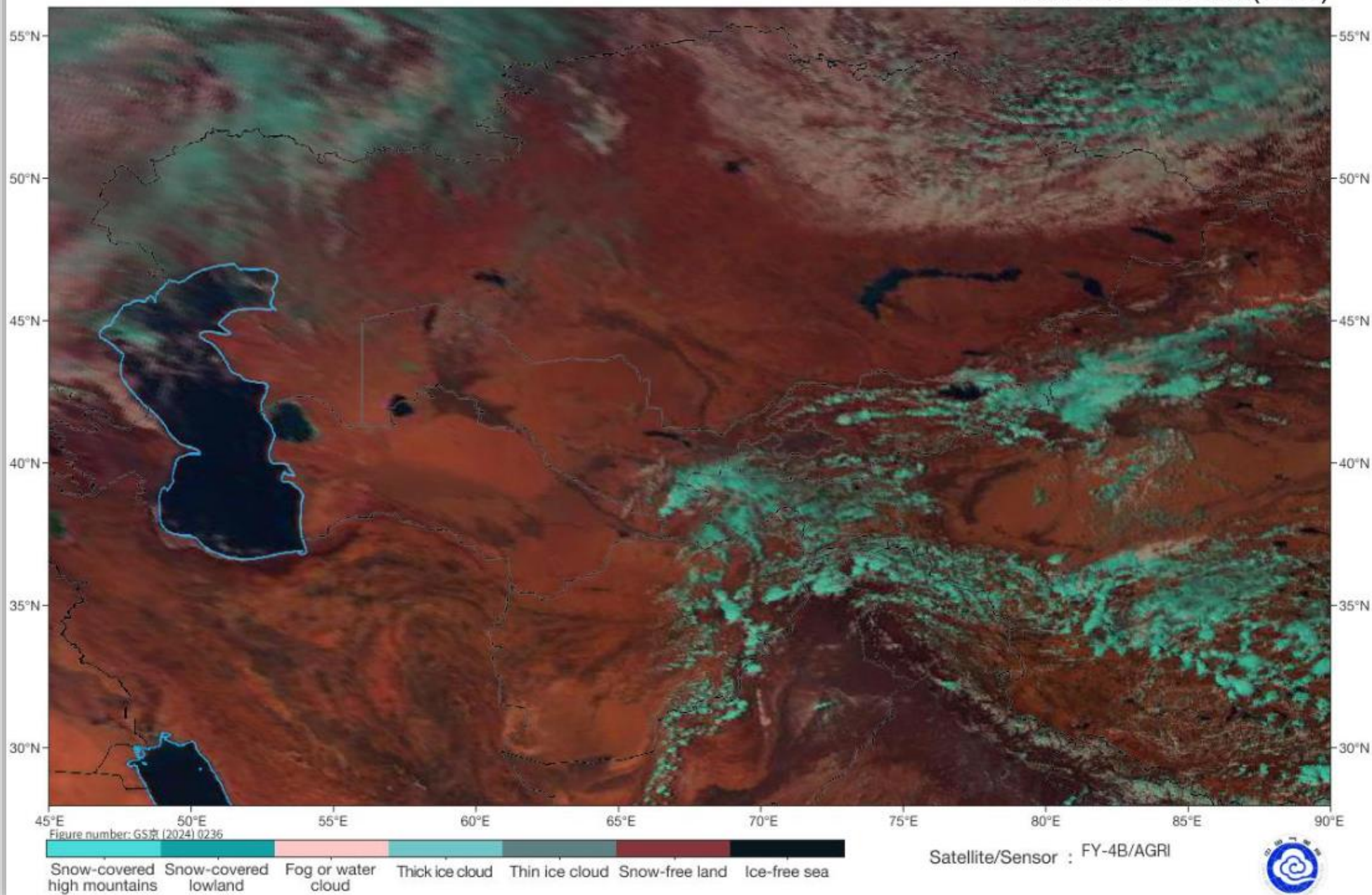
60% 203

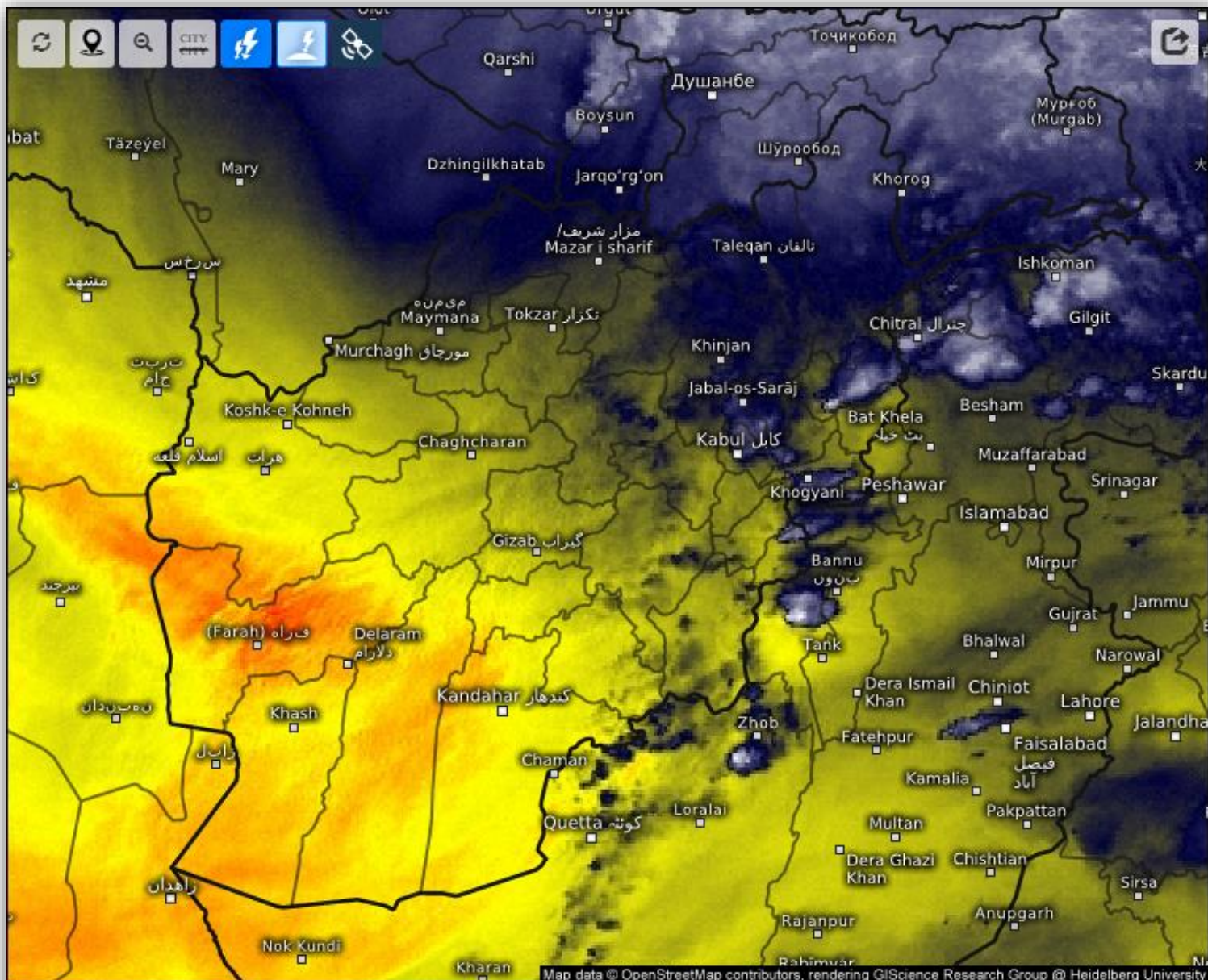
323K

Fog Low Clouds Mid Orographic Cloud CB Snow Dust

Fog Identification

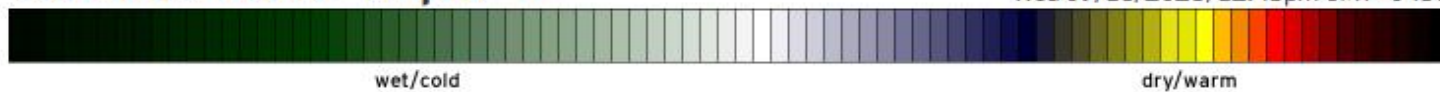
2026-09-16 08:00(UTC)





Satellite Water Vapor

Wed 09/16/2026, 12:45pm GMT+0430



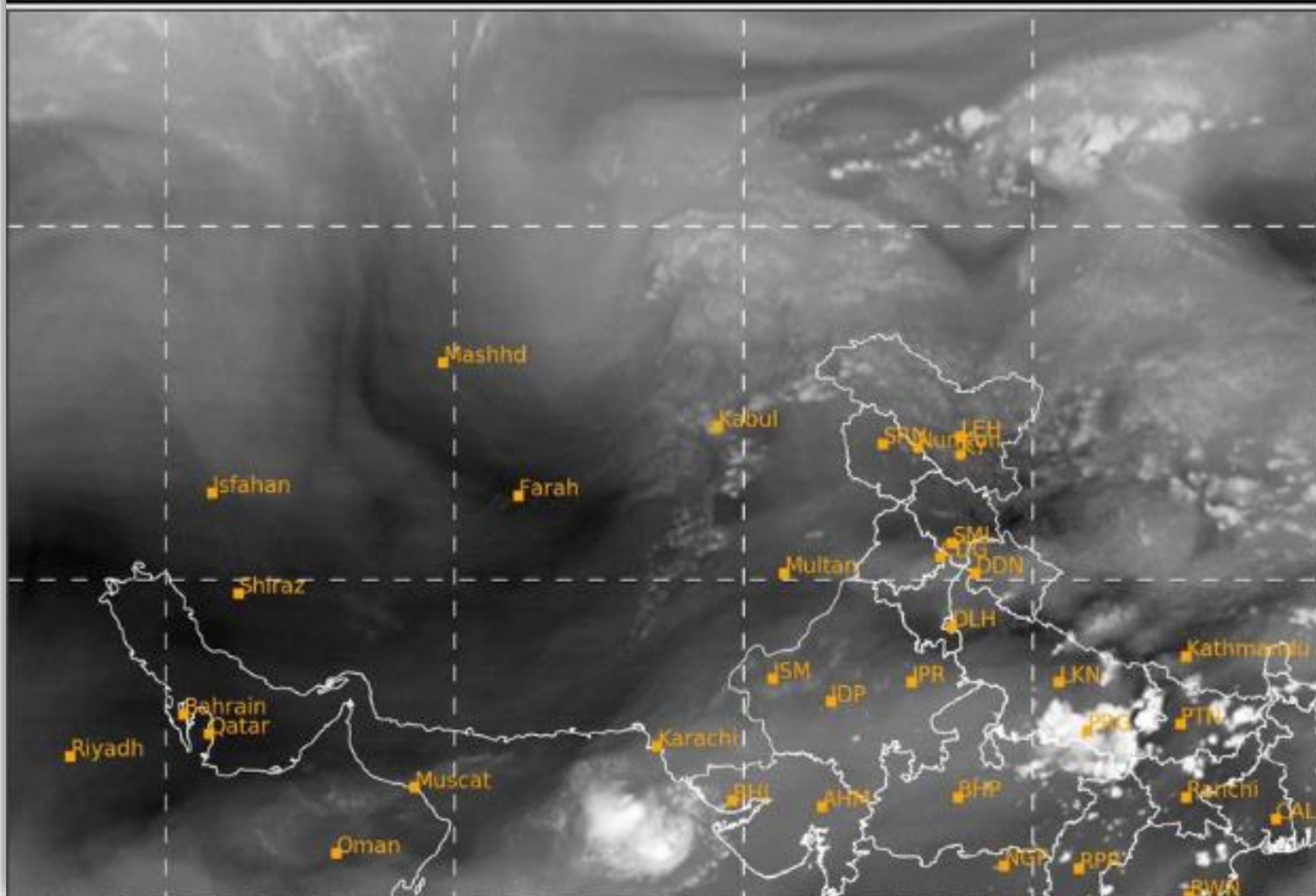
SAT : INSAT-3DR IMG

IMG_WV 6.8 um

L1C Mercator

16-09-2026/(0715 to 0742) GMT

16-09-2026/(1245 to 1312) IST



L1C Mercator

16-09-2026/(1245 to 1312) IST

