



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



Daily reports of Satellite imagery analysis. Date & Time: 19-09-2026, 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	X	
2	South	✓	✓	X	X	X	✓	X	✓	
3	West	✓	✓	X	X	X	✓	X	X	
4	East	✓	X		✓	X	✓	X	X	
5	central	✓	X	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	✓	

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

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

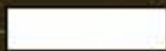
Reported by: Esmatullah Mohammadi

Legend:

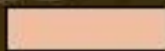
Dust		Water vapor		Air mass		Thunder storm	Cloud	Fog	Jet stream	Cyclone & Anticyclone	
Weak Dust	Dust storm	Weak	Dry	Moderate	Warm	Cold				Cyclon	Anticyclo

UTC: 2026-09-18 23:45

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)

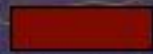
FY-4B AirMass RGB Composite (From WMO)

UTC: 2026-09-19 00:00

Dust



Dust



High-level cloud



Thick,
mid-level cloud



Thin,
mid-level cloud



Ocean



Land



Low-level cloud



Cirrus

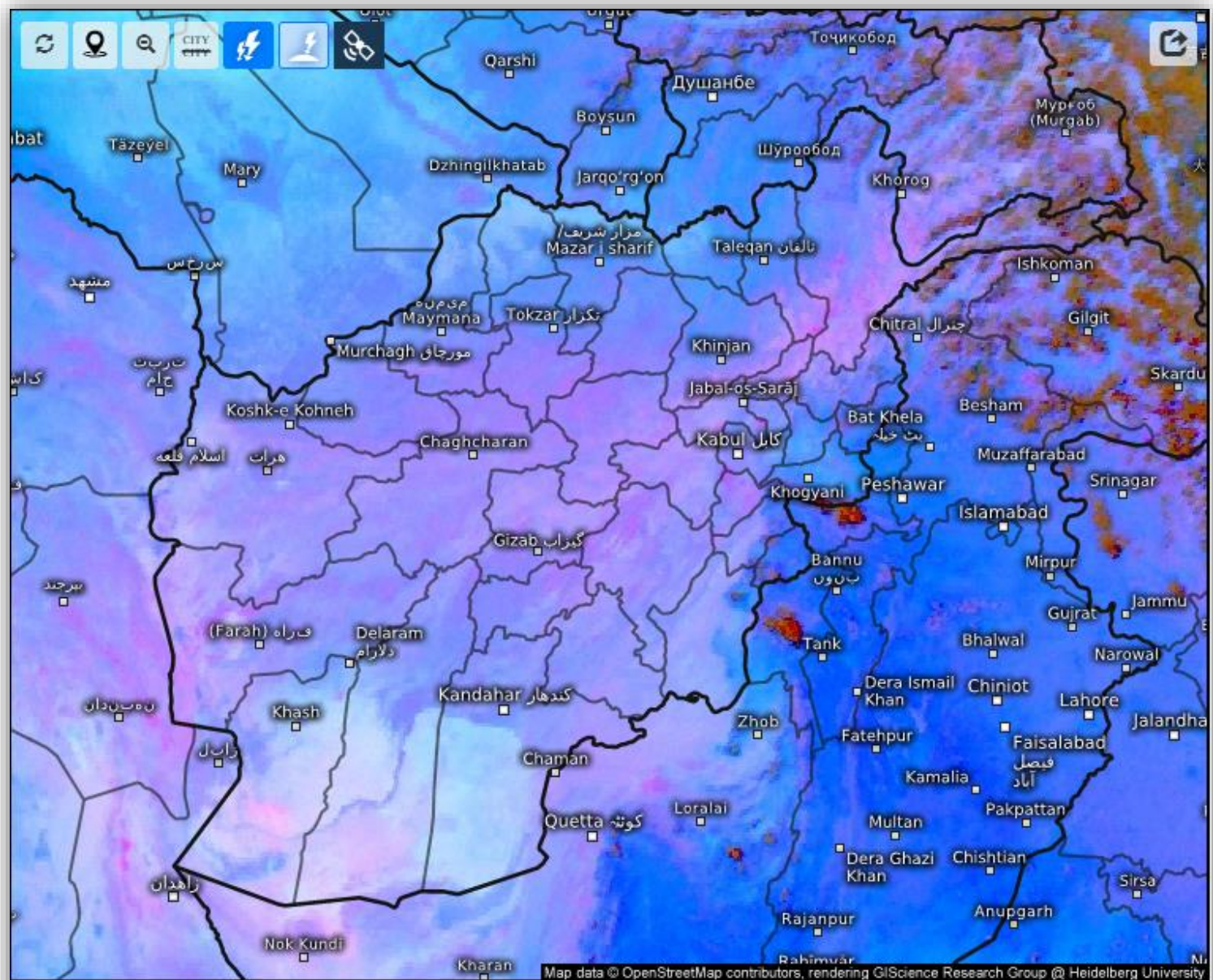
R = IR (12.0) - IR (10.8)

G = IR (10.8) - IR (8.5)

B = IR (10.8)

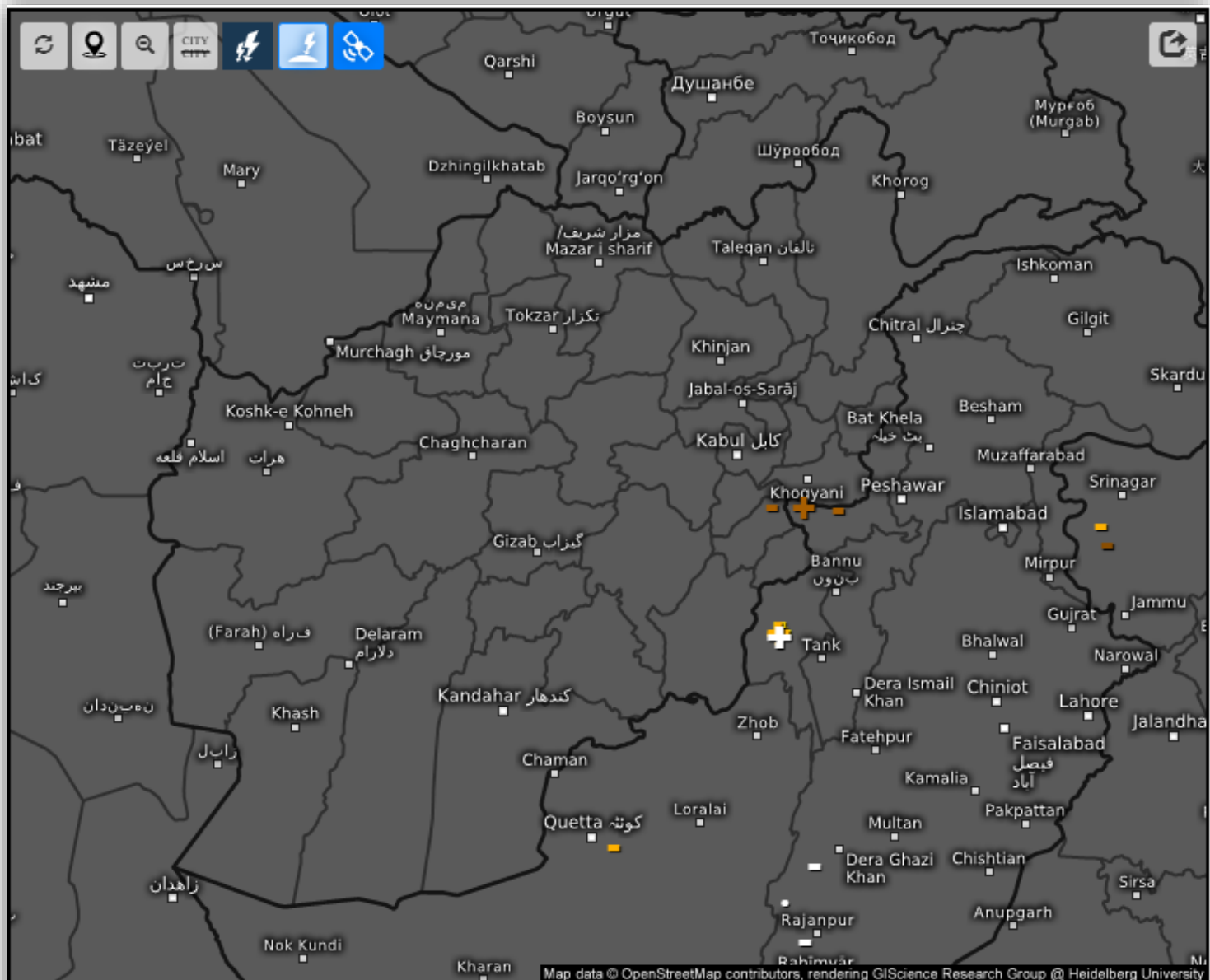
FY-4B Dust RGB Composite (From WMO)





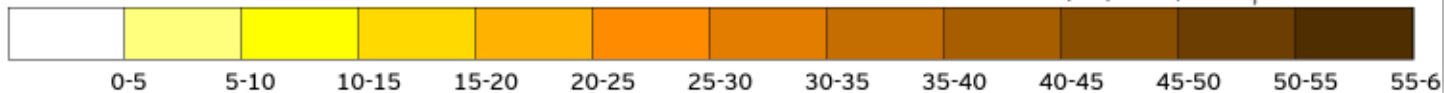
Satellite Dust 

Sat 09/19/2026, 01:15pm GMT+0430



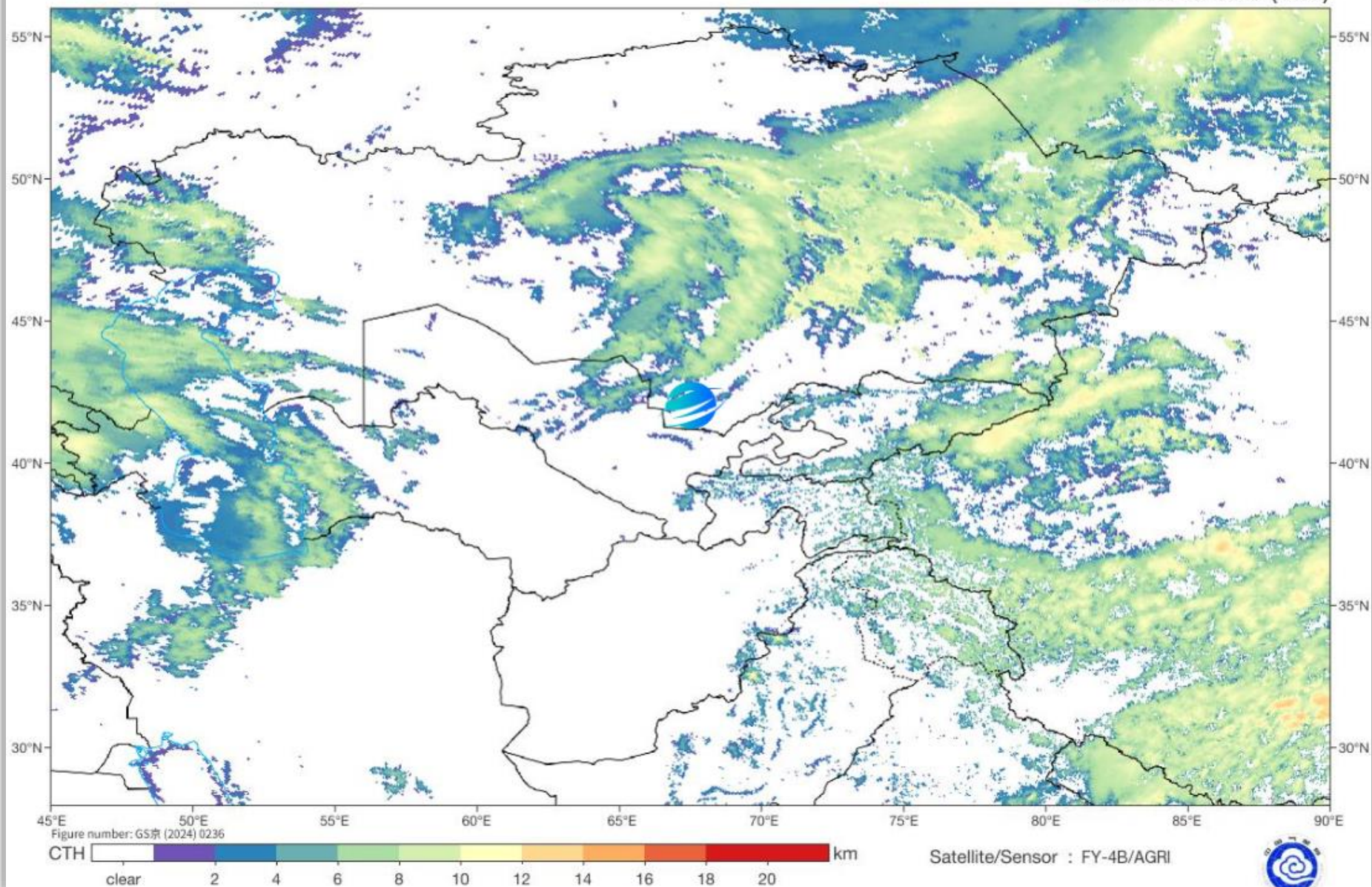
Age of lightning (minutes) 

Sat 09/19/2026, 01:45pm GMT+0430



Cloud Top Height

2026-09-19 08:45(UTC)



Live satellite map, Afghanistan



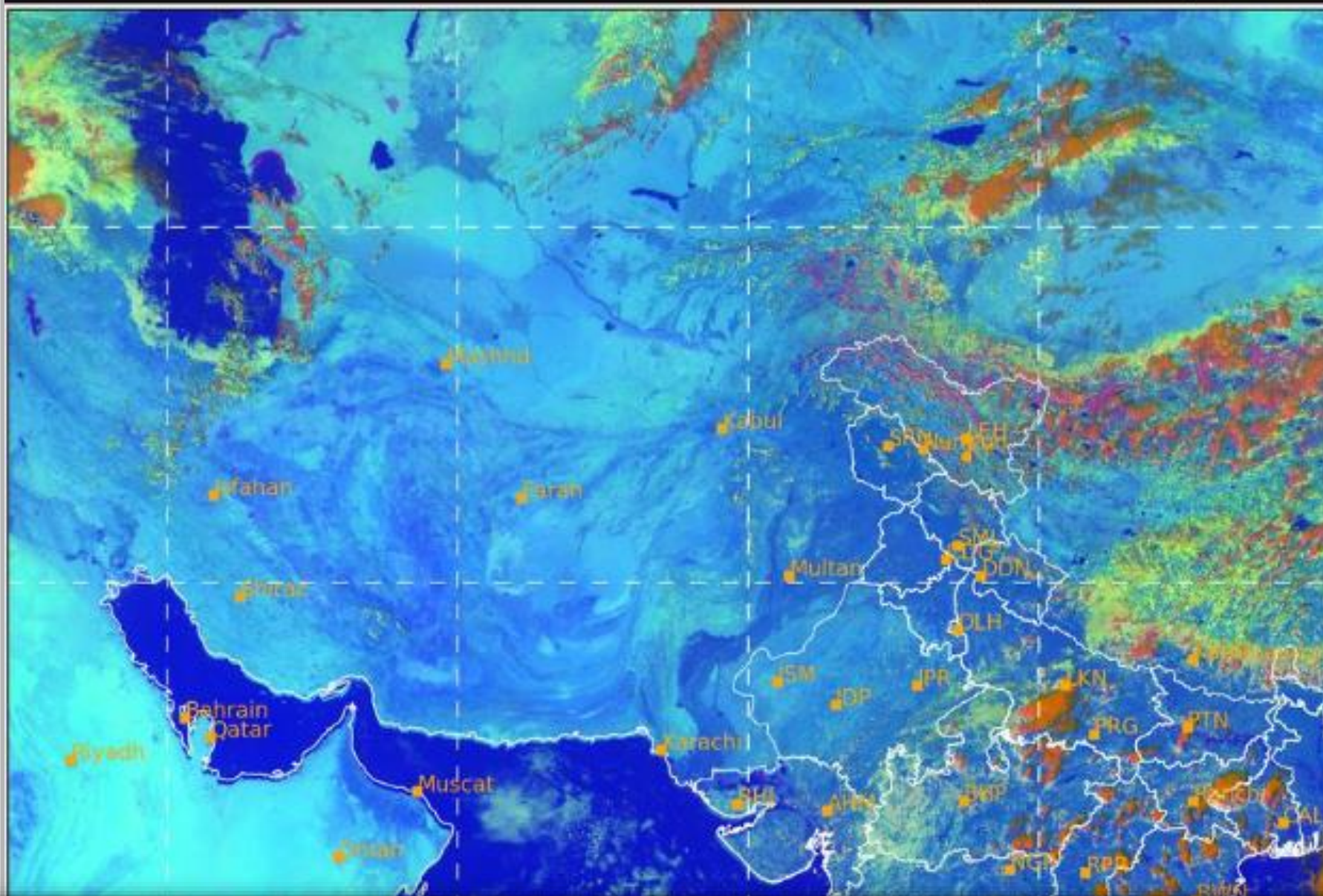
SAT : INSAT-3DR IMG

19-09-2026/(0745 to 0811) GMT

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

L1C Mercator

19-09-2026/(1315 to 1341) IST



0

100% 0

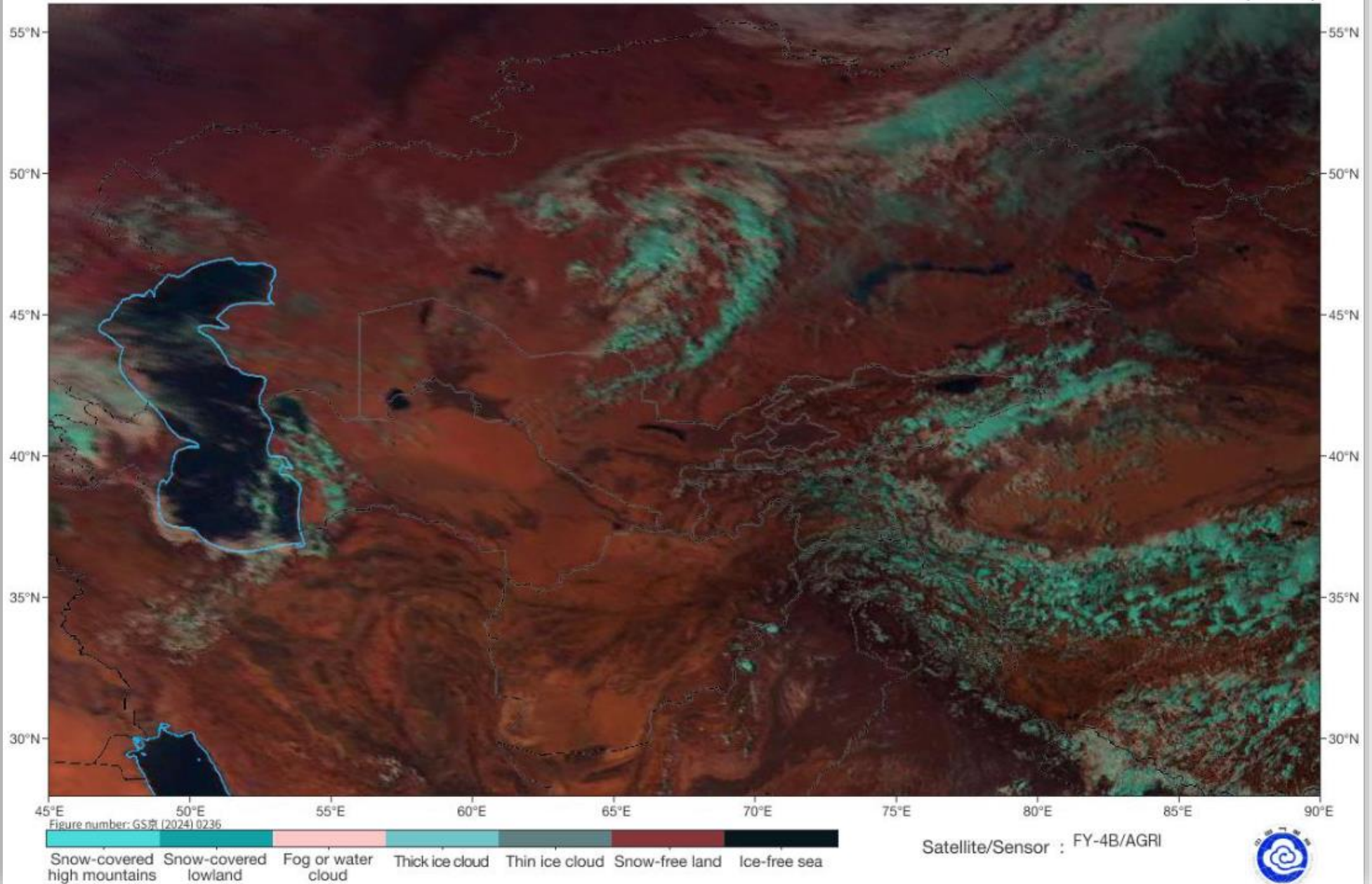
60% 203

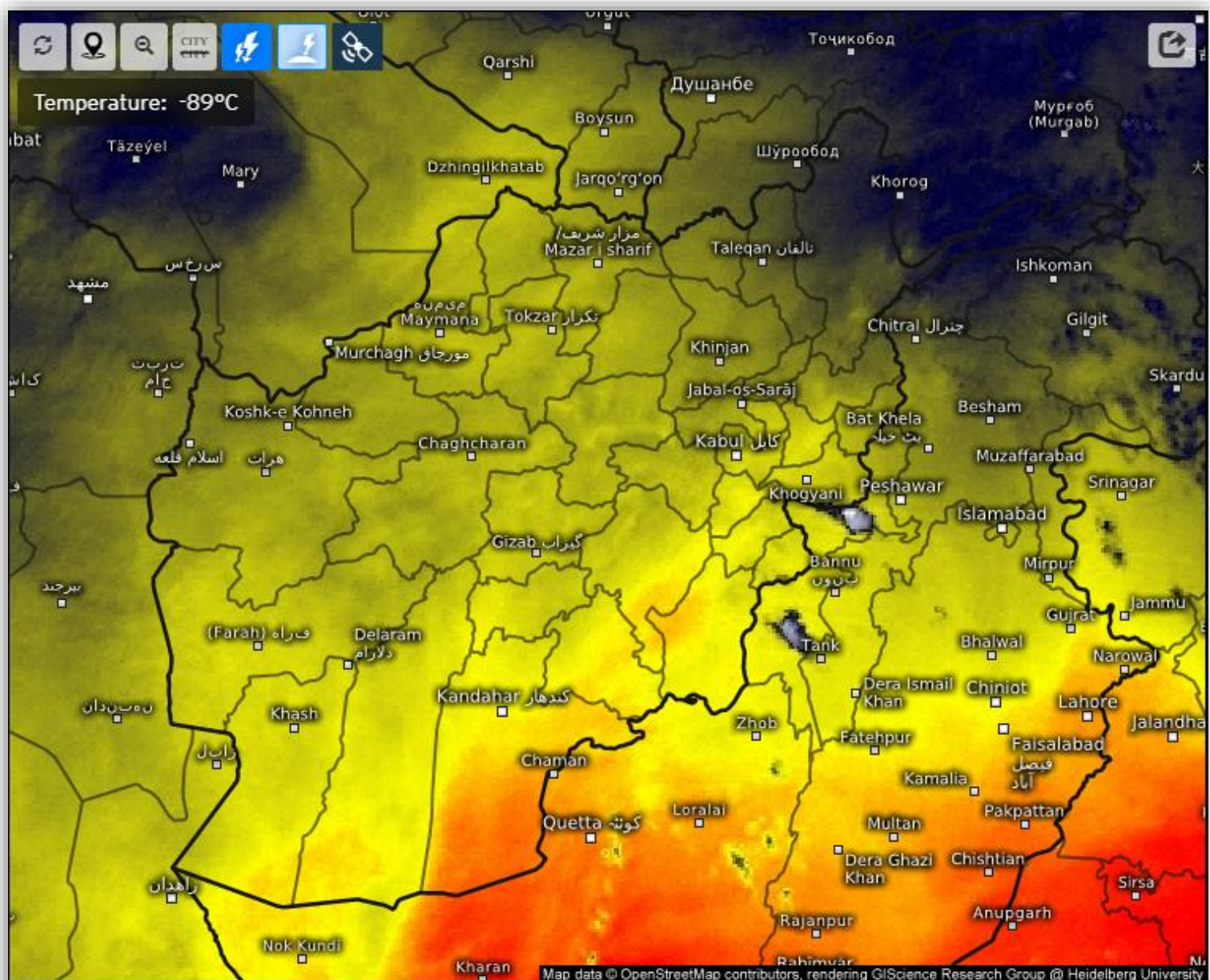
323K

Fog Low Clouds Mid Orographic Cloud CB Snow Dust

Fog Identification

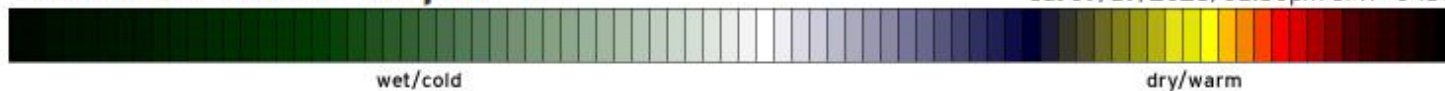
2026-09-19 09:00(UTC)





Satellite Water Vapor

Sat 09/19/2026, 01:30pm GMT+0430



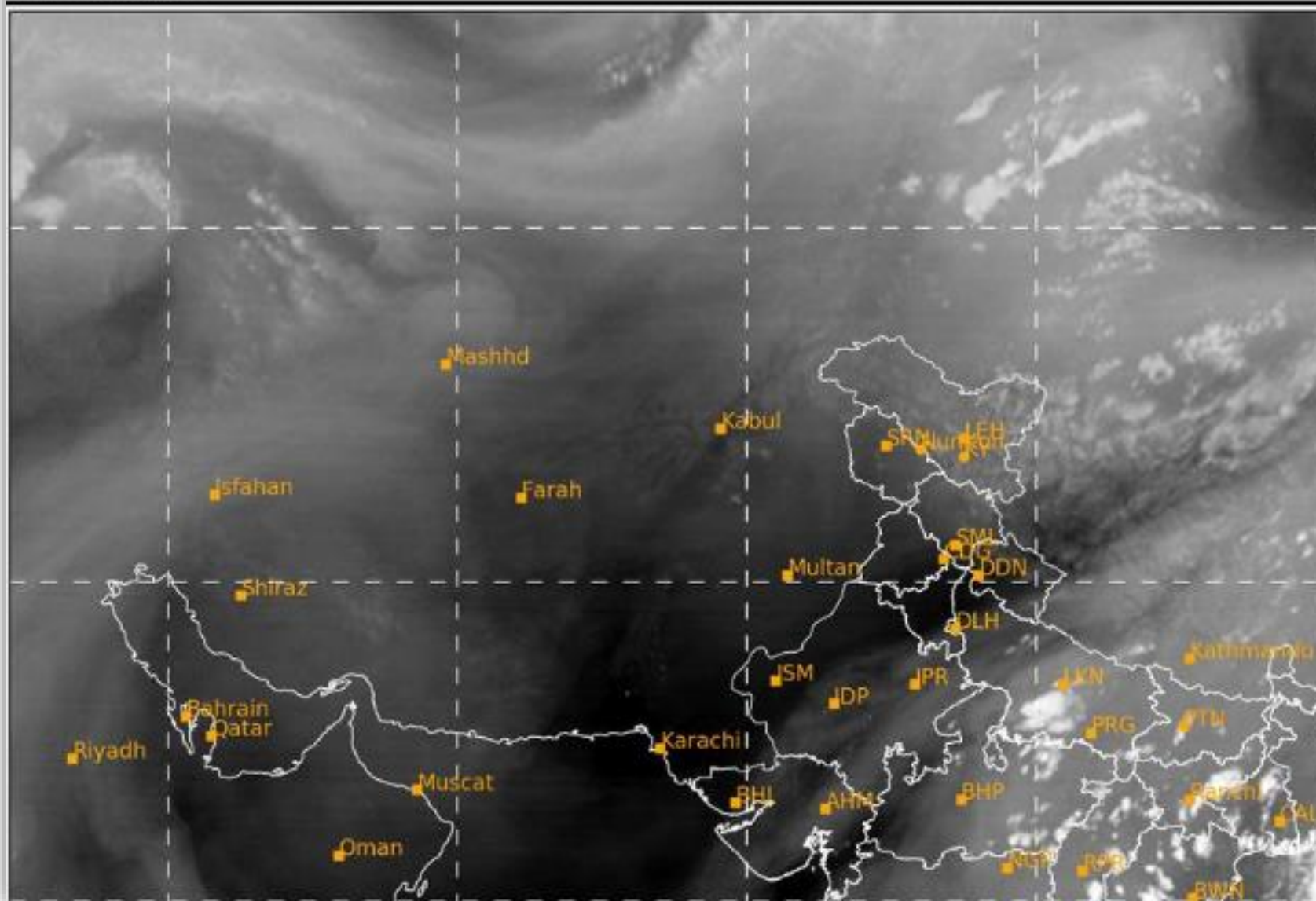
SAT : INSAT-3DR IMG

IMG_WV 6.8 um

L1C Mercator

19-09-2026/(0745 to 0811) GMT

19-09-2026/(1315 to 1341) IST



SAT : INSAT-3DR IMG

IMG_TIR1 10.8 um

L1C Mercator

19-09-2026/(0745 to 0811) GMT

19-09-2026/(1315 to 1341) IST

