



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



Daily reports of Satellite imagery analysis. Date & Time: 28-07-2026, 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	✓ dry	X	✓	
2	South	✓	light	X	X	X	✓ moderate	X	✓	
3	West	✓	light	X	X	X	✓ dry	X	X	
4	East	X	X	X	✓	X	✓ weak	X	X	
5	central	✓	light	X	X	X	✓ dry	X	X	
6	Northeast	X	X	X	✓	X	✓ dry	X	X	
7	Southeast	✓	X	X	✓	X	✓ moderate	X	X	
8	Northwest	✓	light	X	X	X	✓ dry	X	X	
9	Southwest	X	light	X	✓	X	✓ weak	X	✓	

Details: According to satellite imagery analysis, the northern, western, central and northwestern regions have a warm air mass with (High UTH). The southern and southeastern regions have cold air mass. The southern, western, central, northwestern and southwestern regions have dust storm. The eastern, northeastern, southwestern and southeastern regions have cloudy skies. The northern, western, central, northeastern, northwestern regions have dry/warm water vapor, the eastern, southwestern regions have weak water vapor and southern, southeastern regions have moderate water vapor. The northern, southern and southwestern regions have Jetstream.

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

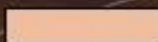
Reported by: Esmatullah Mohammadi

UTC: 2026-07-27 23:45

AirMass



Thick,
high-level cloud



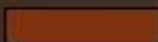
Thick,

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: 2026-07-27 23:45

Dust



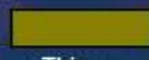
Dust



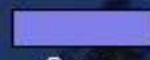
High-level cloud



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)

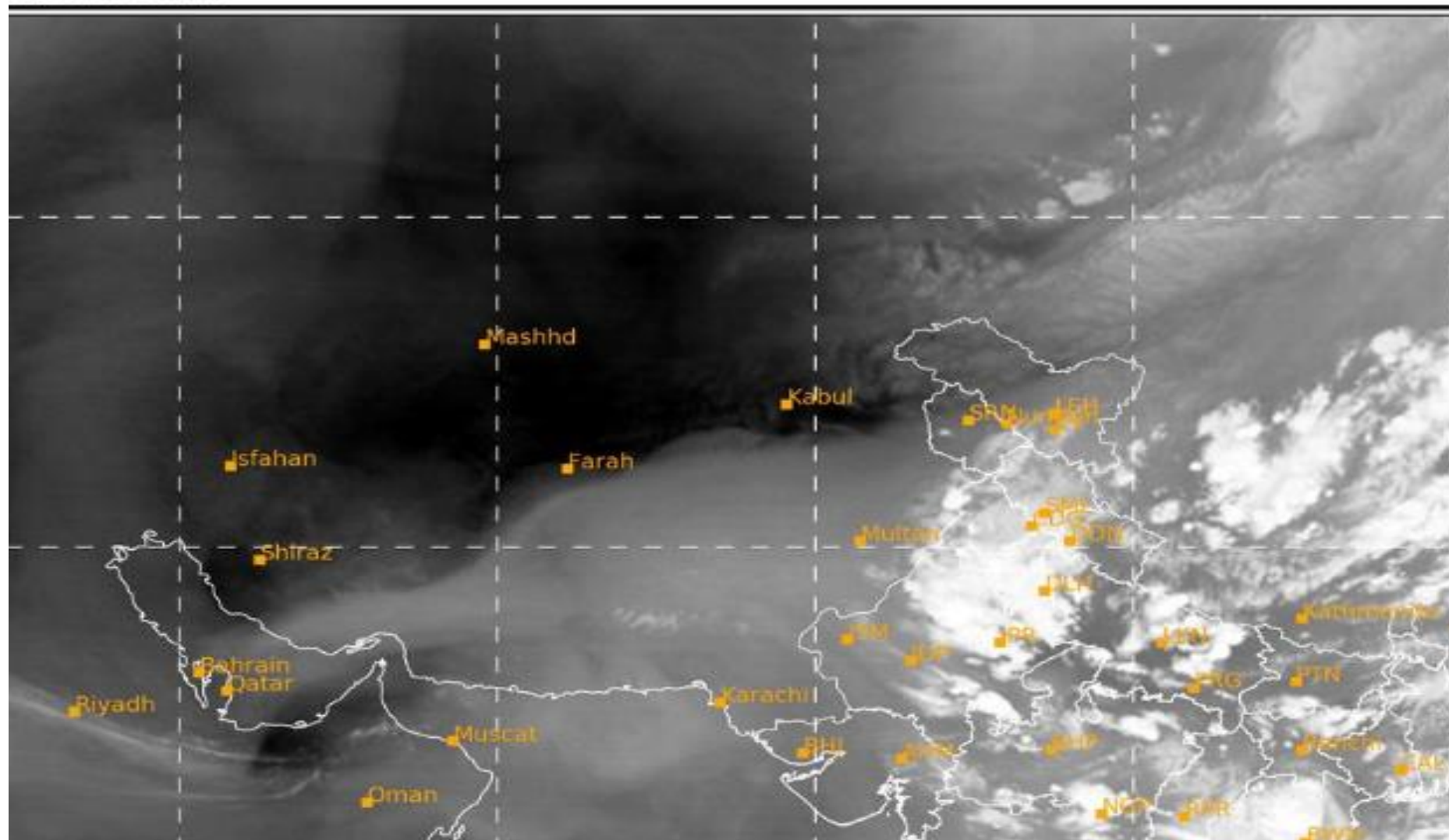
FY-4B Dust RGB Composite (From WMO)

Live satellite map, Afghanistan



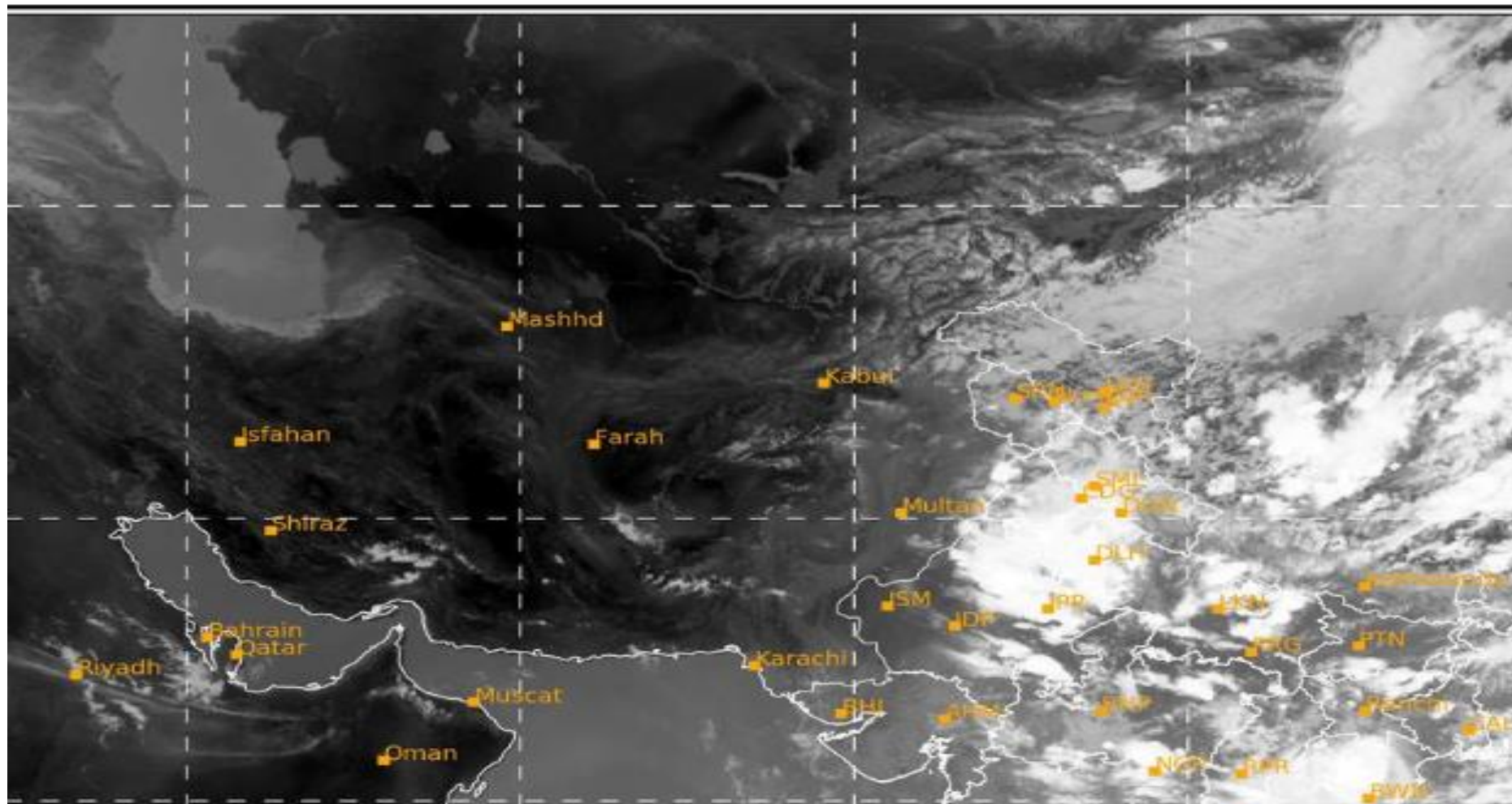
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

28-07-2026/(0815 to 0842) GMT
28-07-2026/(1345 to 1412) IST



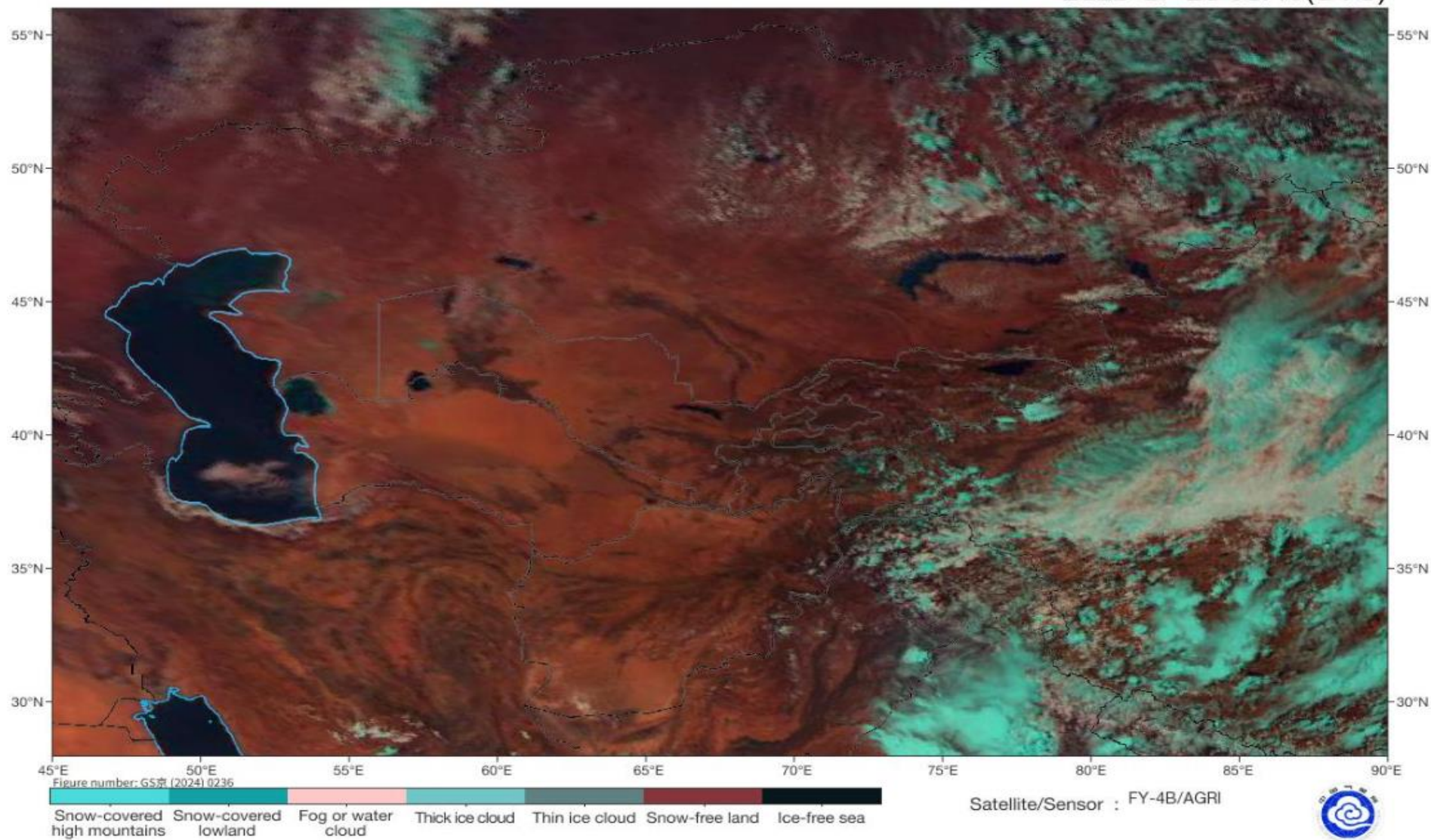
SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

28-07-2026/(0815 to 0842) GMT
28-07-2026/(1345 to 1412) IST



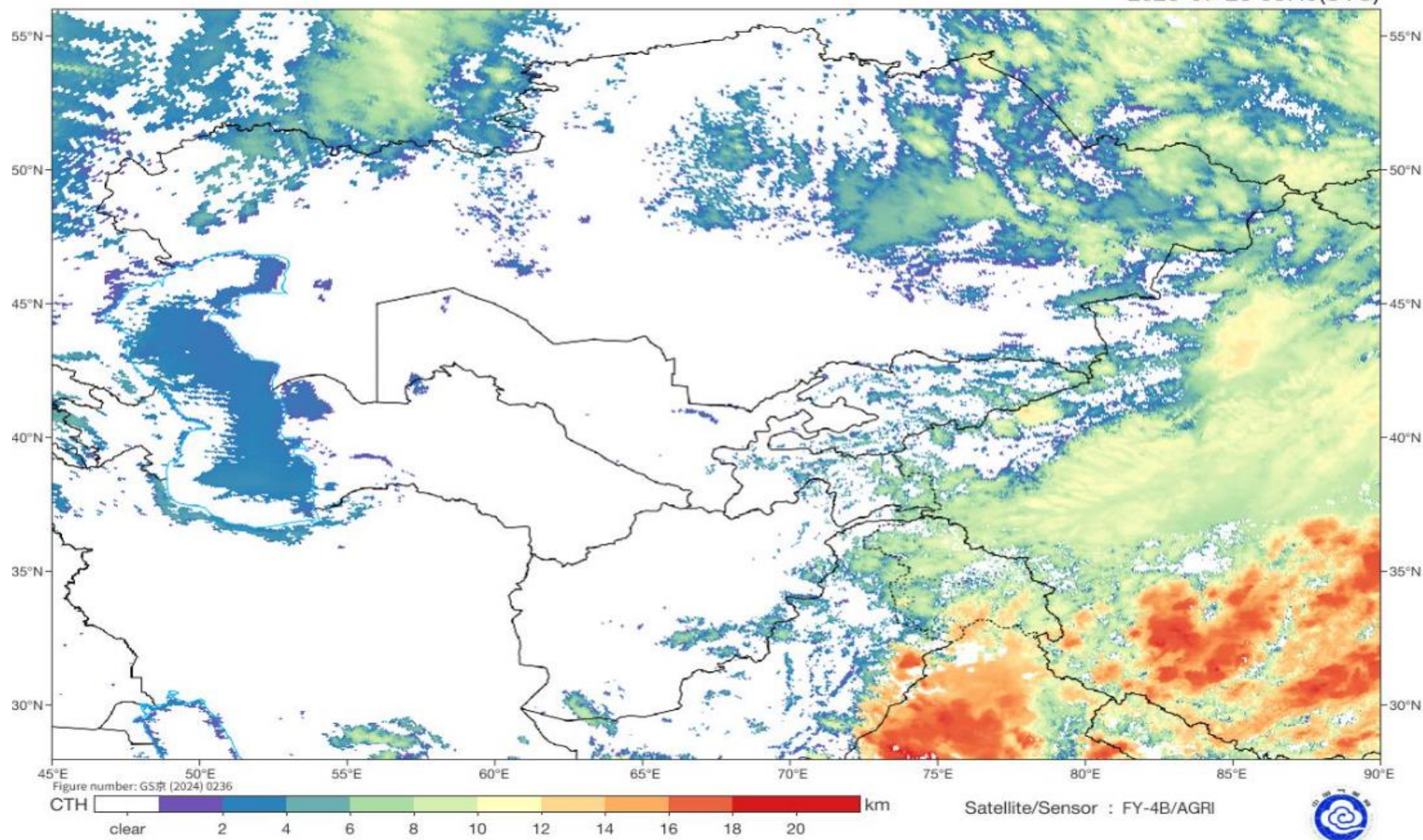
Fog Identification

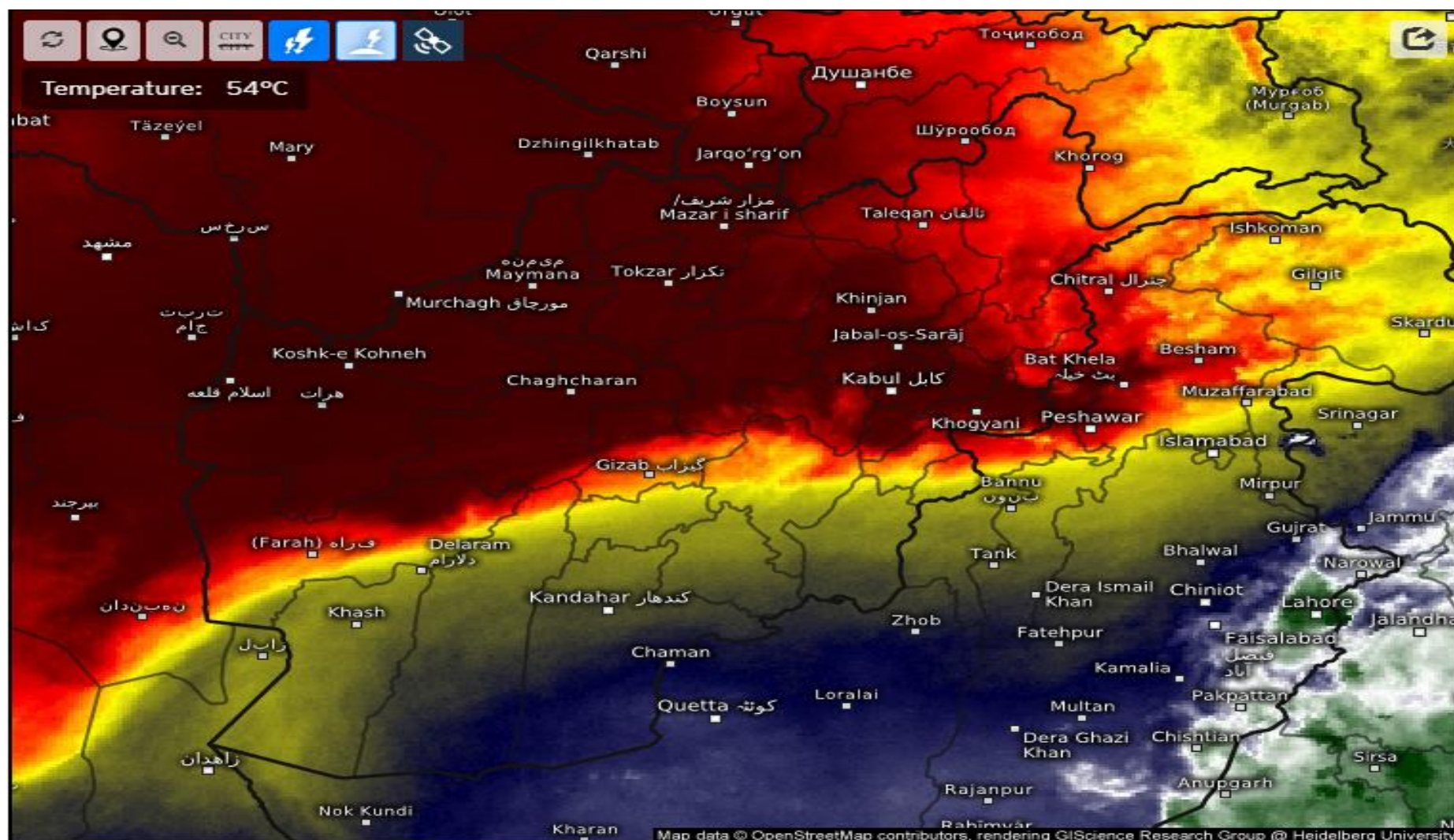
2026-07-28 08:45(UTC)



Cloud Top Height

2026-07-28 08:45(UTC)





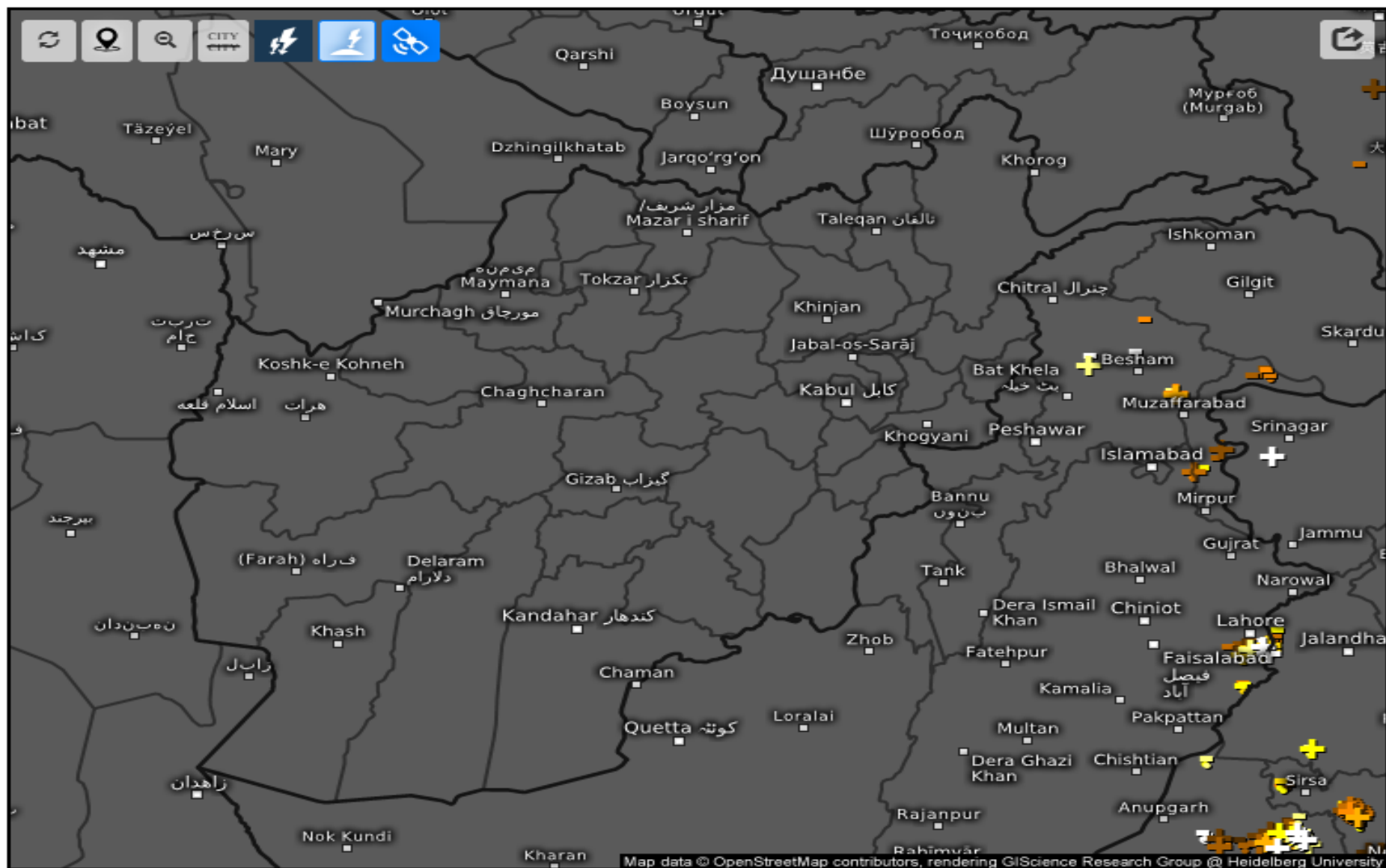
Satellite Water Vapor

Tue 07/28/2026, 01:15pm GMT+0430



wet/cold

dry/warm



Age of lightning (minutes) 

Tue 07/28/2026, 01:35pm GMT+0430

