



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



Daily reports of Satellite imagery analysis. Date & Time: 29-07-2026, 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	X	
2	South	✓	light	X	X	X	✓ moderate	X	X	
3	West	✓	X	X	X	X	✓ weak	X	X	
4	East	X	X	✓	✓	X	✓ wet	X	X	Thunder storm
5	central	✓	X	X	X	X	✓ dry	X	X	
6	Northeast	X	X	X	✓	X	✓ dry	X	X	
7	Southeast	✓	X	✓	✓	X	✓ wet	X	X	Thunder storm+CTH
8	Northwest	✓	light	X	X	X	✓ dry	X	X	
9	Southwest	X	light	X	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, northwestern and southwestern regions have dust storm. The southern and southeastern regions have thunder storm. The eastern, northeastern and southeastern regions have cloudy skies. The northern, central, northeastern, northwestern regions have dry/warm water vapor, the western southwestern regions have weak water vapor and southern regions have moderate water vapor. The eastern and southeastern regions have wet water vapor. The southwestern regions have Jetstream.

Not: X (Not existing phenomena) V (existing phenomena)

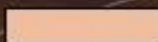
Reported by: Esmatullah Mohammadi

UTC: 2026-07-27 23:45

AirMass



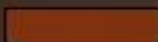
Thick,
high-level cloud



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



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



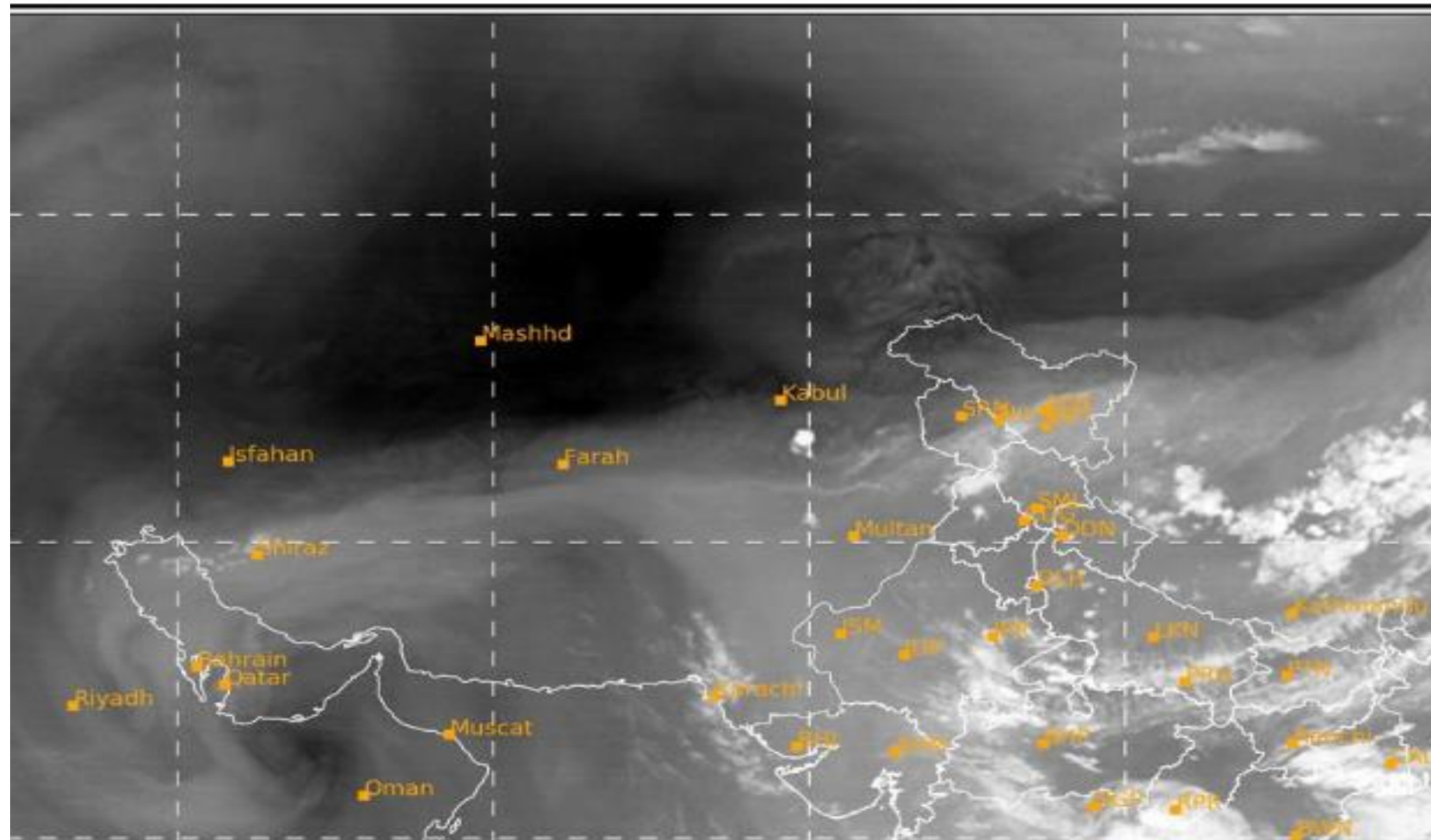
SAT : INSAT-3DR IMG

IMG_WV 6.8 um

L1C Mercator

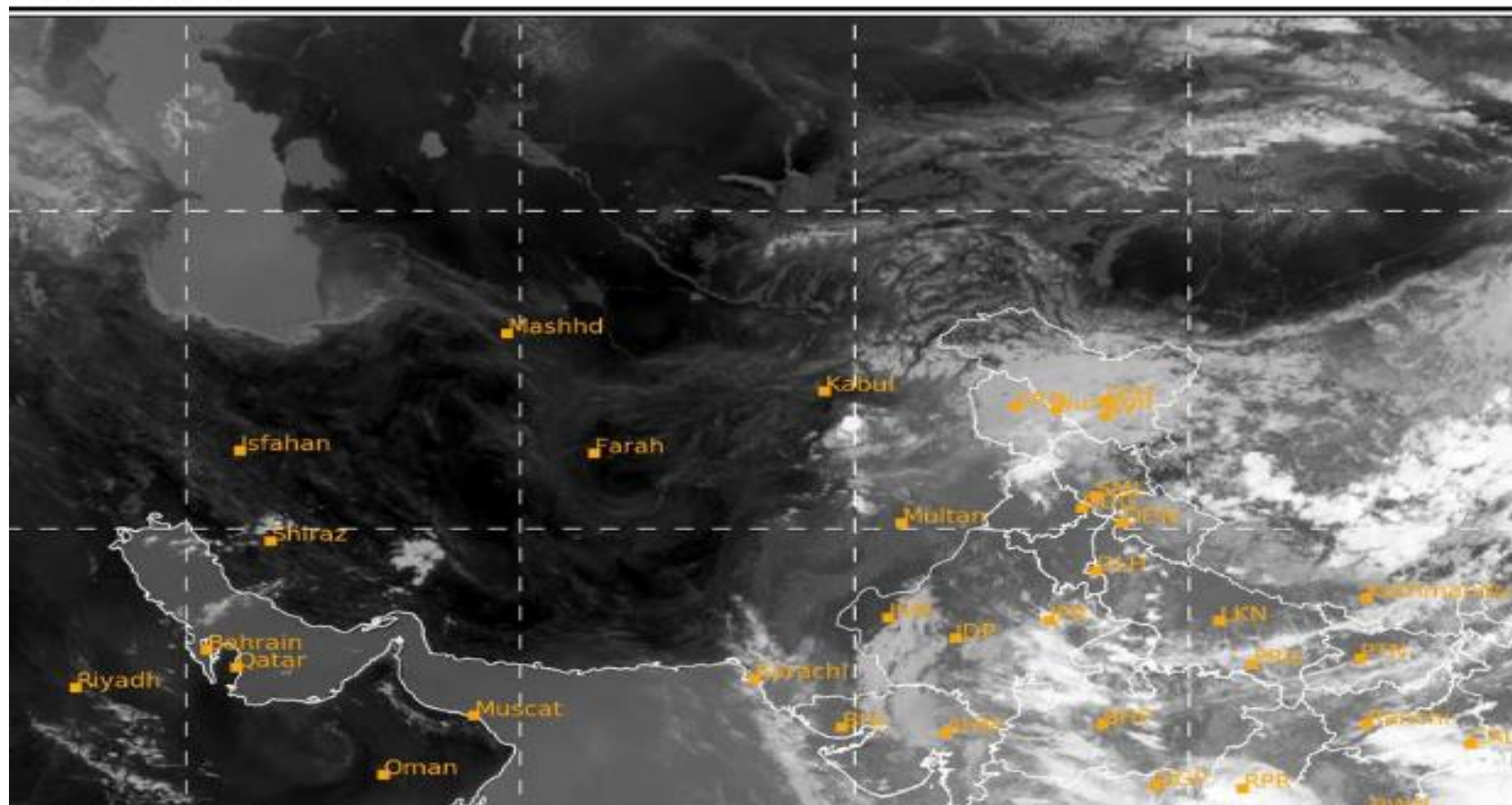
29-07-2026/(0815 to 0842) GMT

29-07-2026/(1345 to 1412) IST



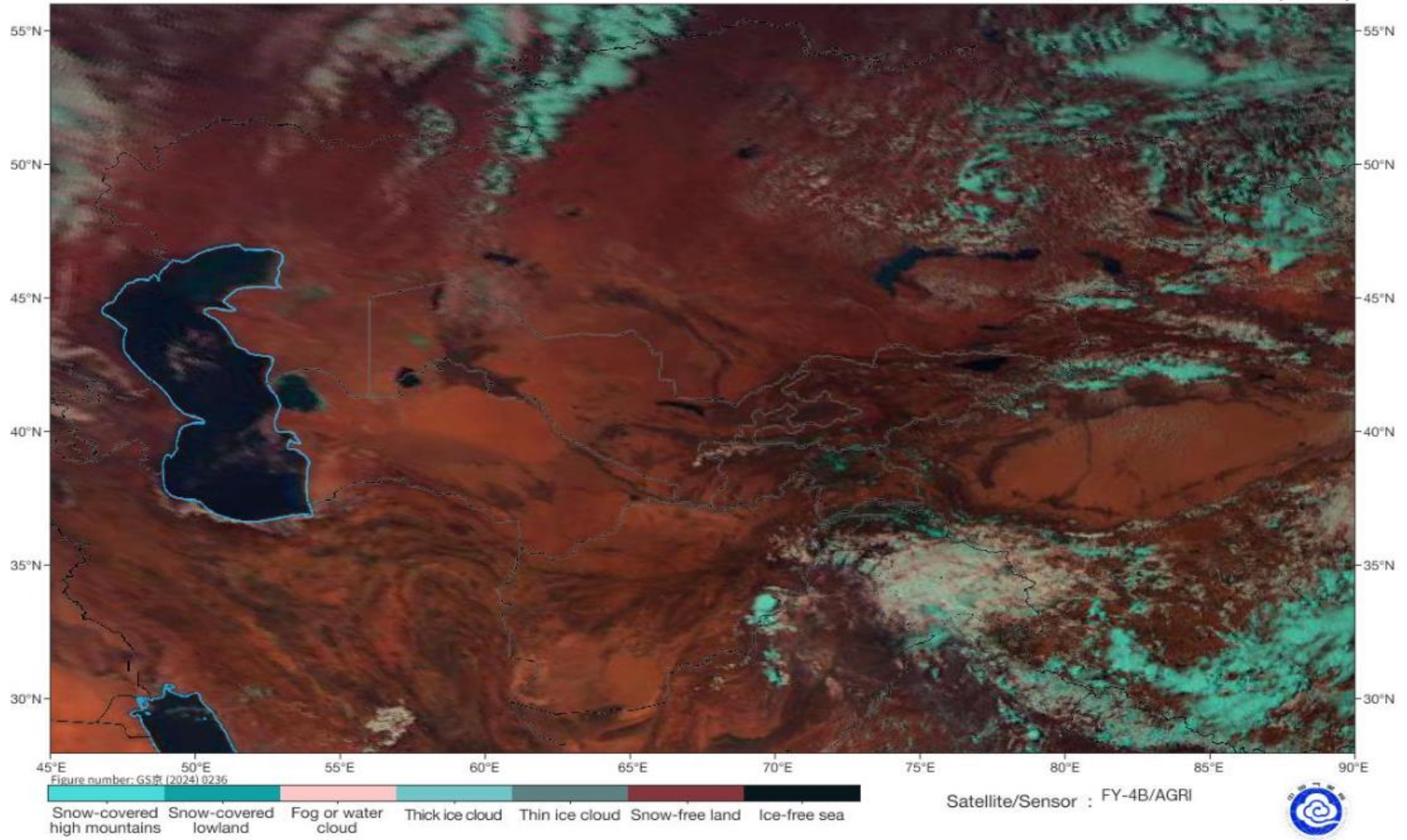
SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

29-07-2026/(0815 to 0842) GMT
29-07-2026/(1345 to 1412) IST



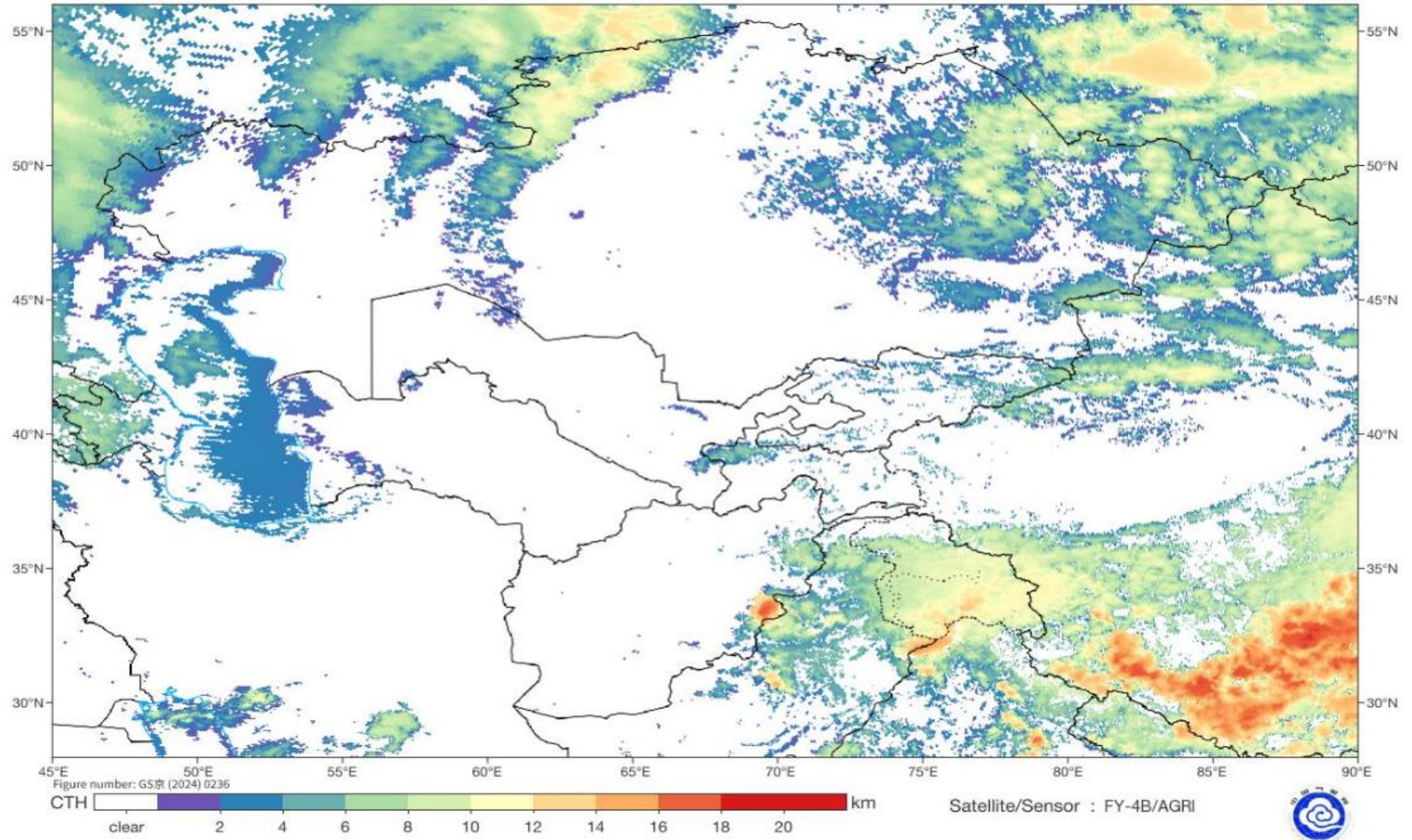
Fog Identification

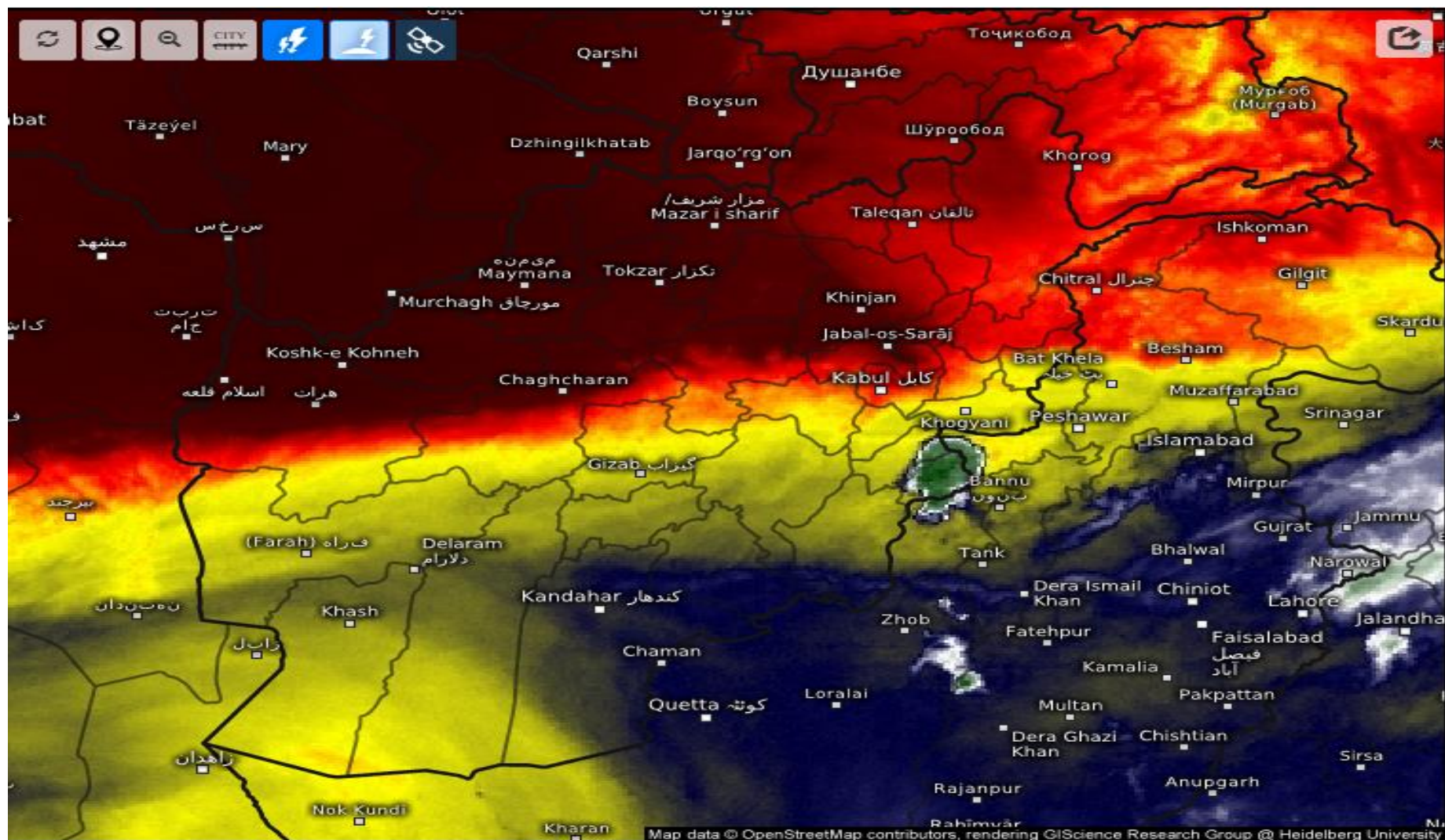
2026-07-29 09:00(UTC)



Cloud Top Height

2026-07-29 09:00(UTC)

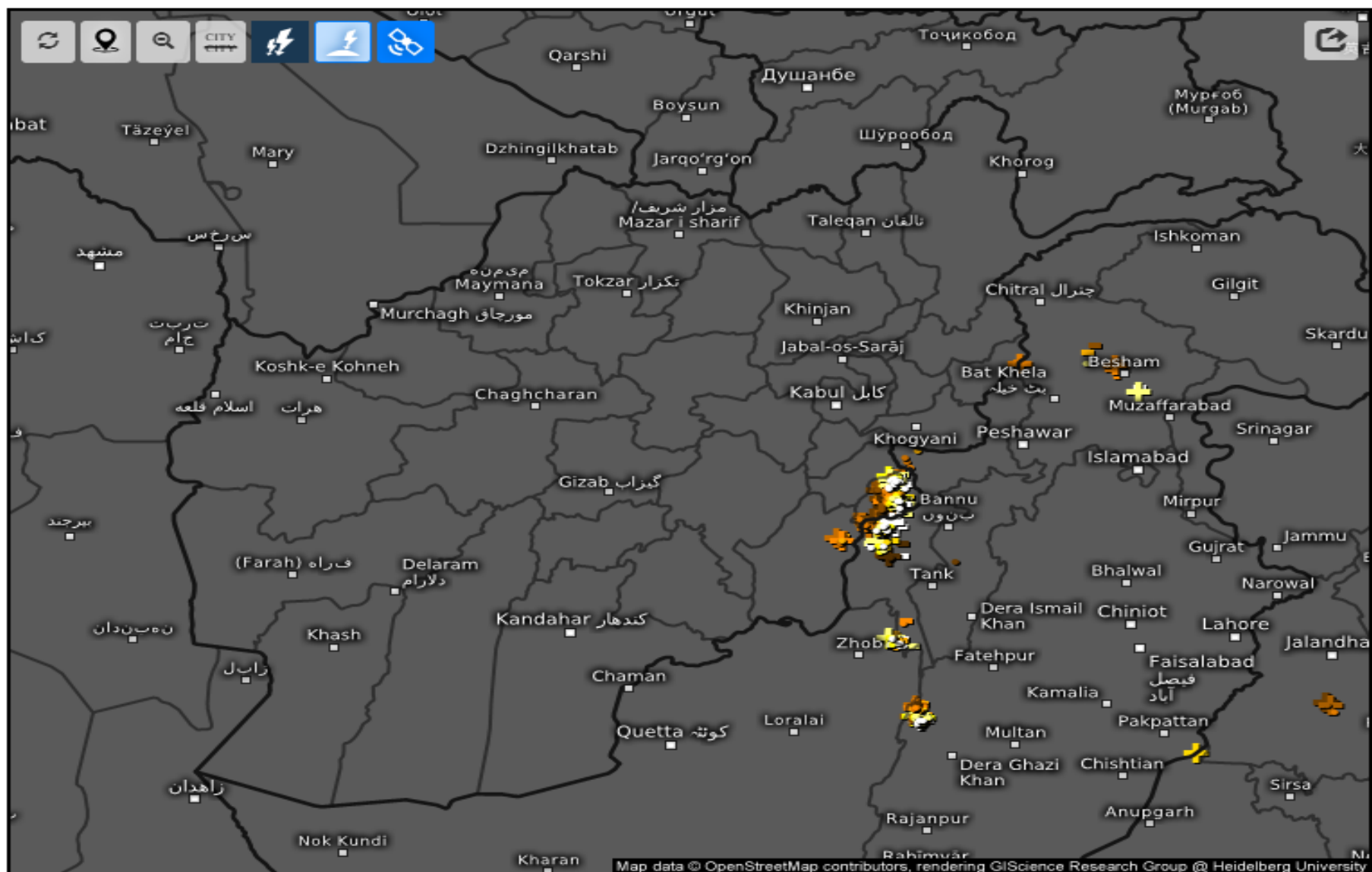




Satellite Water Vapor

Wed 07/29/2026, 01:30pm GMT+0430





Age of lightning (minutes) 

Wed 07/29/2026, 01:30pm GMT+0430

