



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



Daily reports of Satellite imagery analysis. Date & Time: 16-08-2026, 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/warm	X	✓	
2	South	✓	X	X	X	X	✓ Dry/warm	X	✓	
3	West	✓	light	X	X	X	✓ dry	X	X	
4	East	✓	X	X	✓	X	✓ Dry/warm	X	X	
5	central	✓	X	X	X	X	✓ Dry/warm	X	X	
6	Northeast	✓	X	X	✓	X	✓ Dry/warm	X	X	
7	Southeast	✓	X	X	✓	X	✓ Dry/warm	X	X	
8	Northwest	✓	light	X	X	X	✓ Dry/warm	X	X	
9	Southwest	✓	light	X	X	X	✓ Dry/warm	X	✓	

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

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

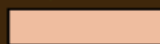
Reported by: Esmatullah Mohammadi

UTC: 2026-08-16 01:15

AirMass



Thick,
high-level cloud



Thick,
mid-level cloud



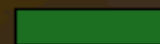
Thick,
low-level cloud



Jet



Cold Airmass



Warm Airmass
(high UTH)



Warm Airmass
(low UTH)

R = WV (6.25) - WV (7.1)

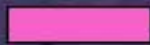
G = IR (8.5) - IR (10.8)

B = WV (6.25)

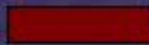
FY-4B AirMass RGB Composite (From WMO)

UTC: 2026-08-16 01:30

Dust



Dust



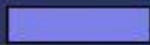
High-level cloud



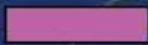
Thick,
mid-level cloud



Thin,
mid-level cloud



Ocean



Land



Low-level cloud



Cirrus

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

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

$B = IR(10.8)$

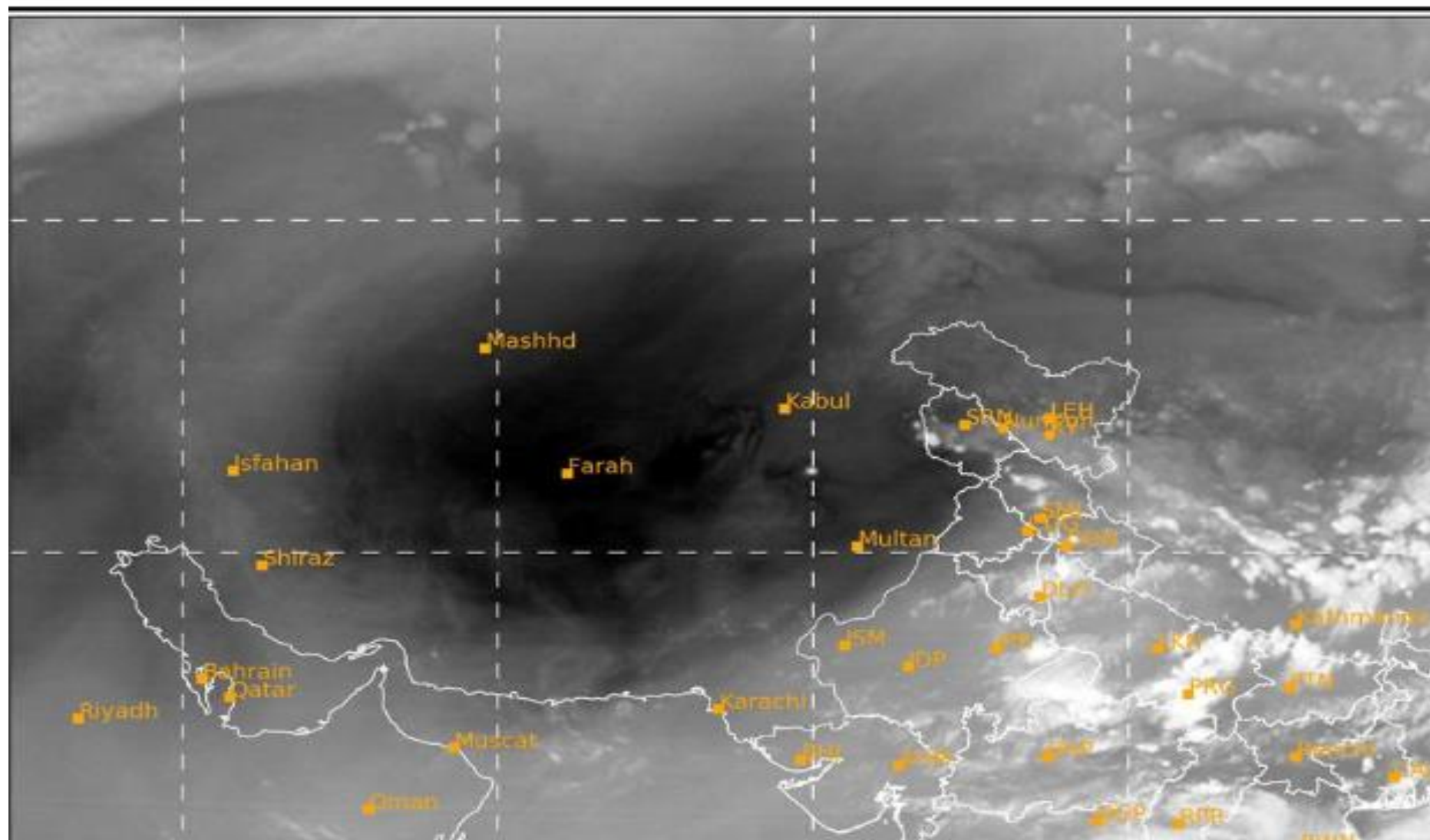
FY-4B Dust RGB Composite (From WMO)

Live satellite map, Afghanistan



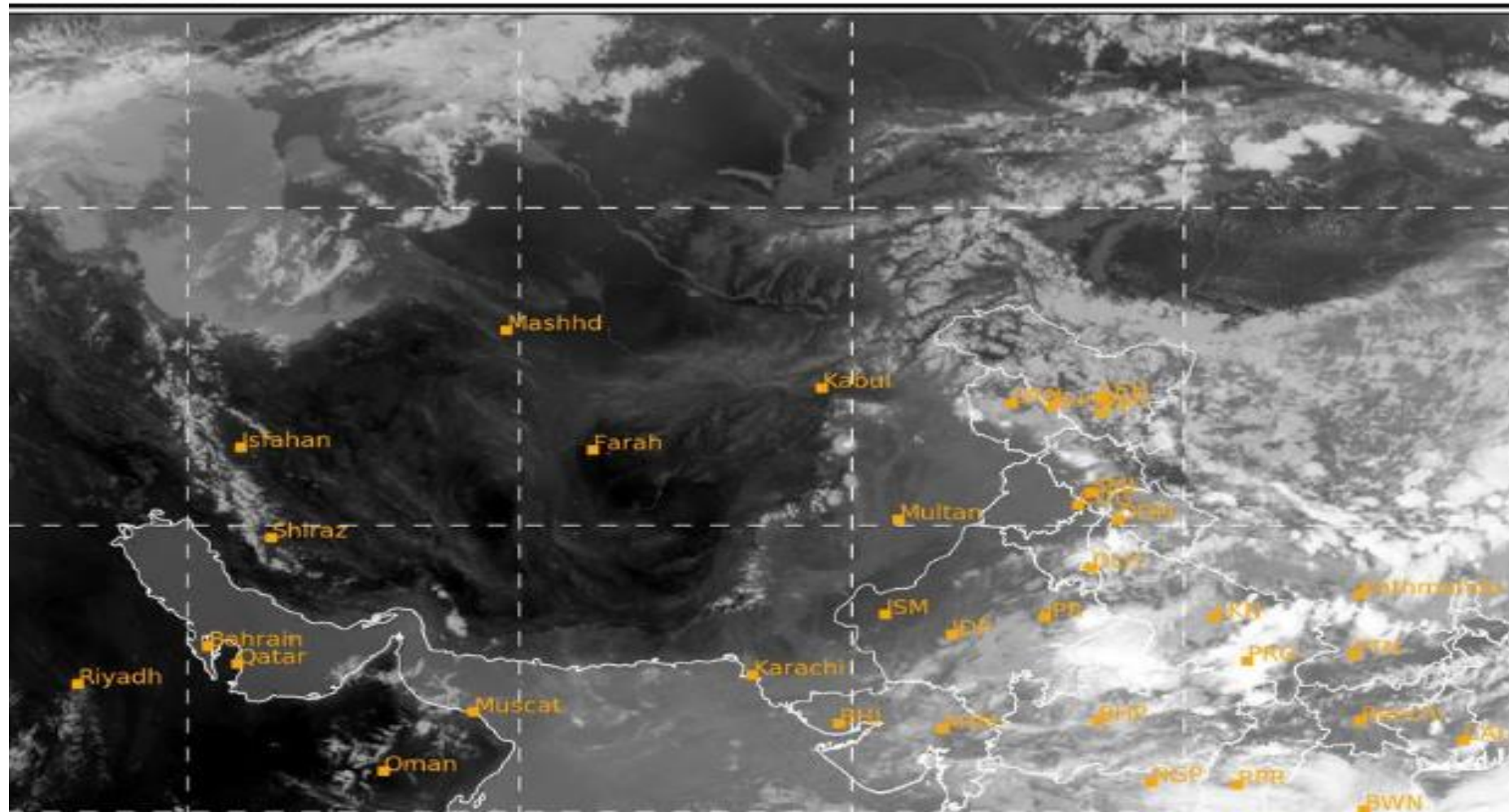
L1C Mercator

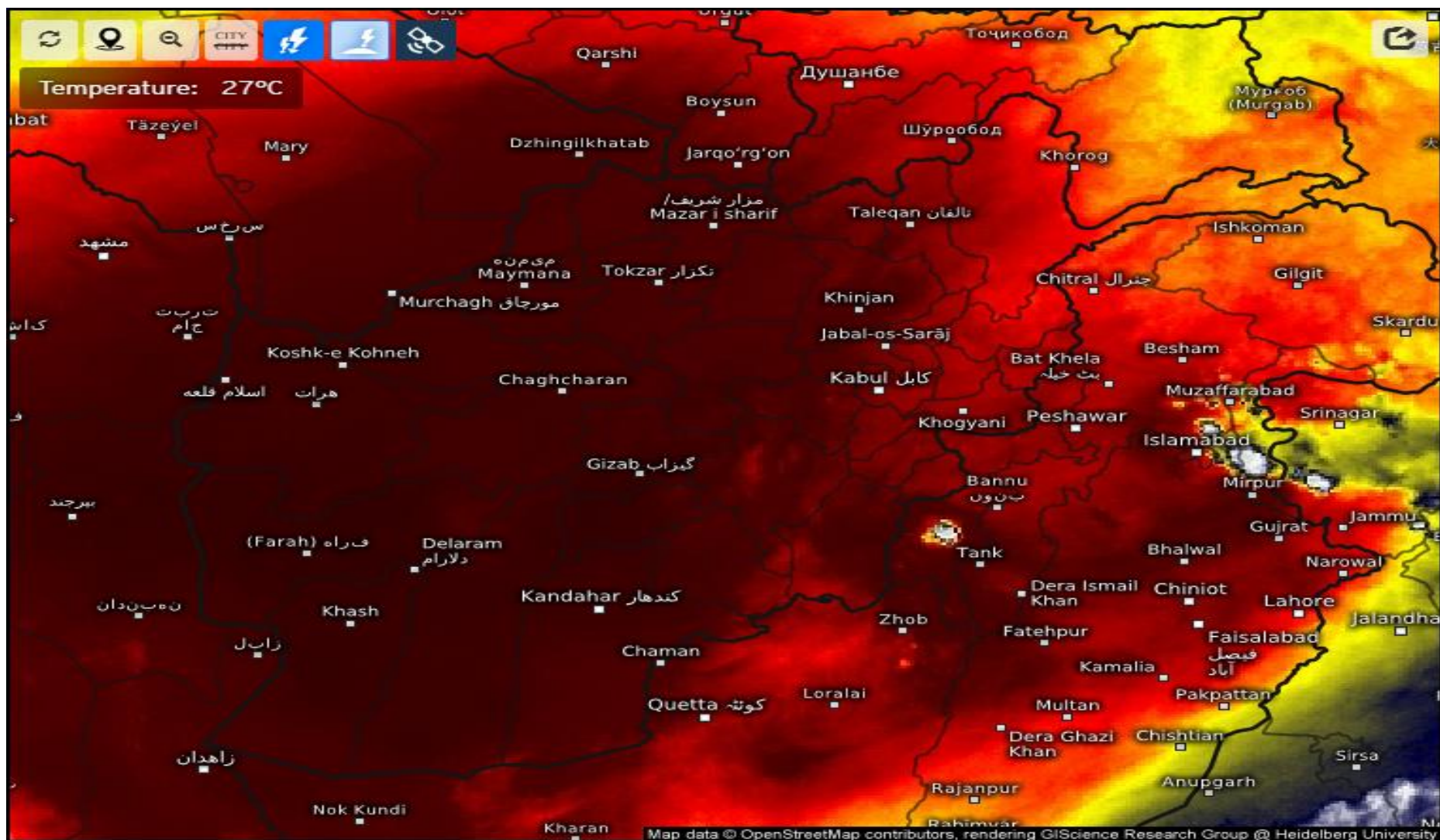
16-08-2026/(1515 to 1542) IST



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

16-08-2026/(0945 to 1012) GMT
16-08-2026/(1515 to 1542) IST

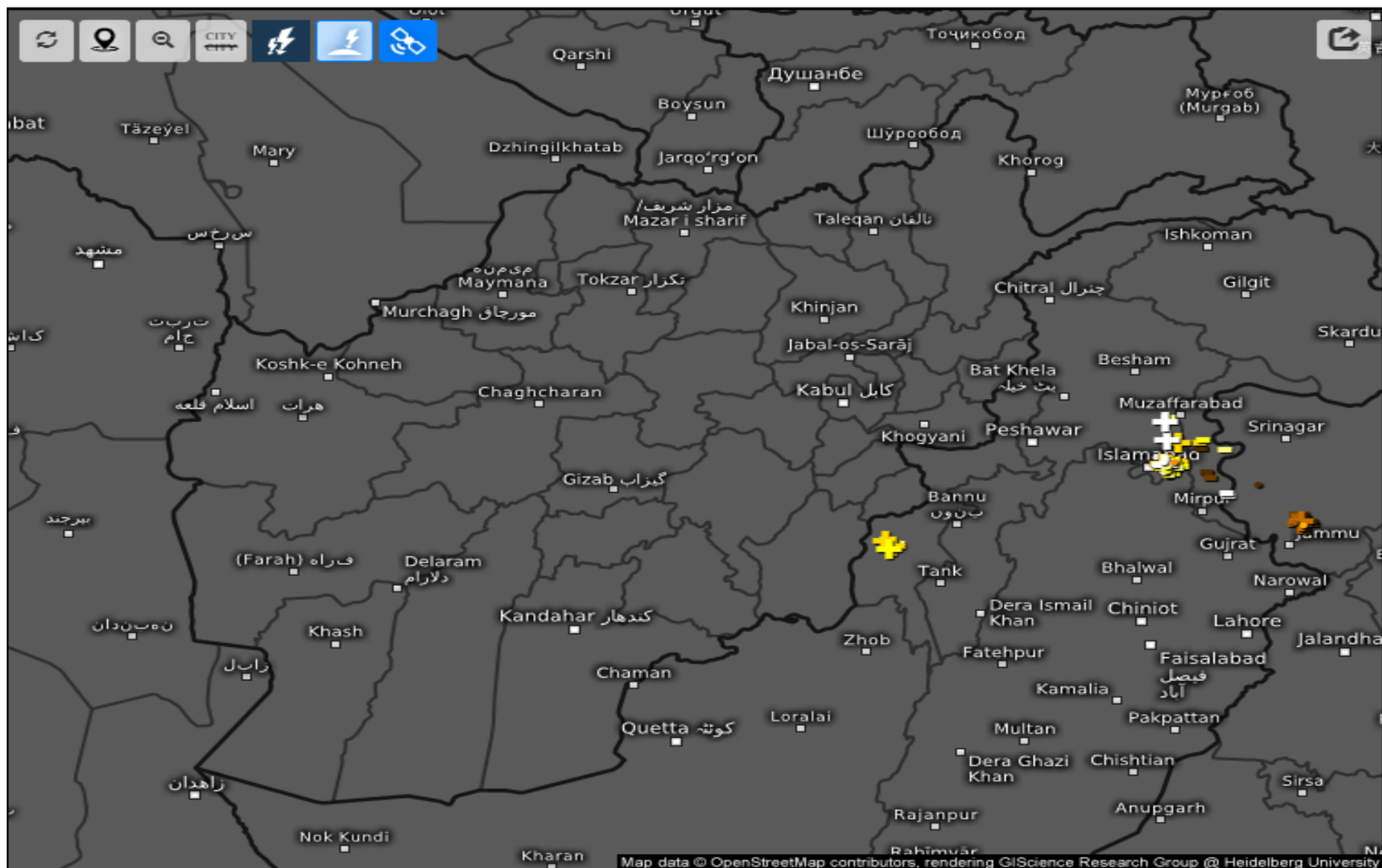




Satellite Water Vapor

Sun 08/16/2026, 02:45pm GMT+0430





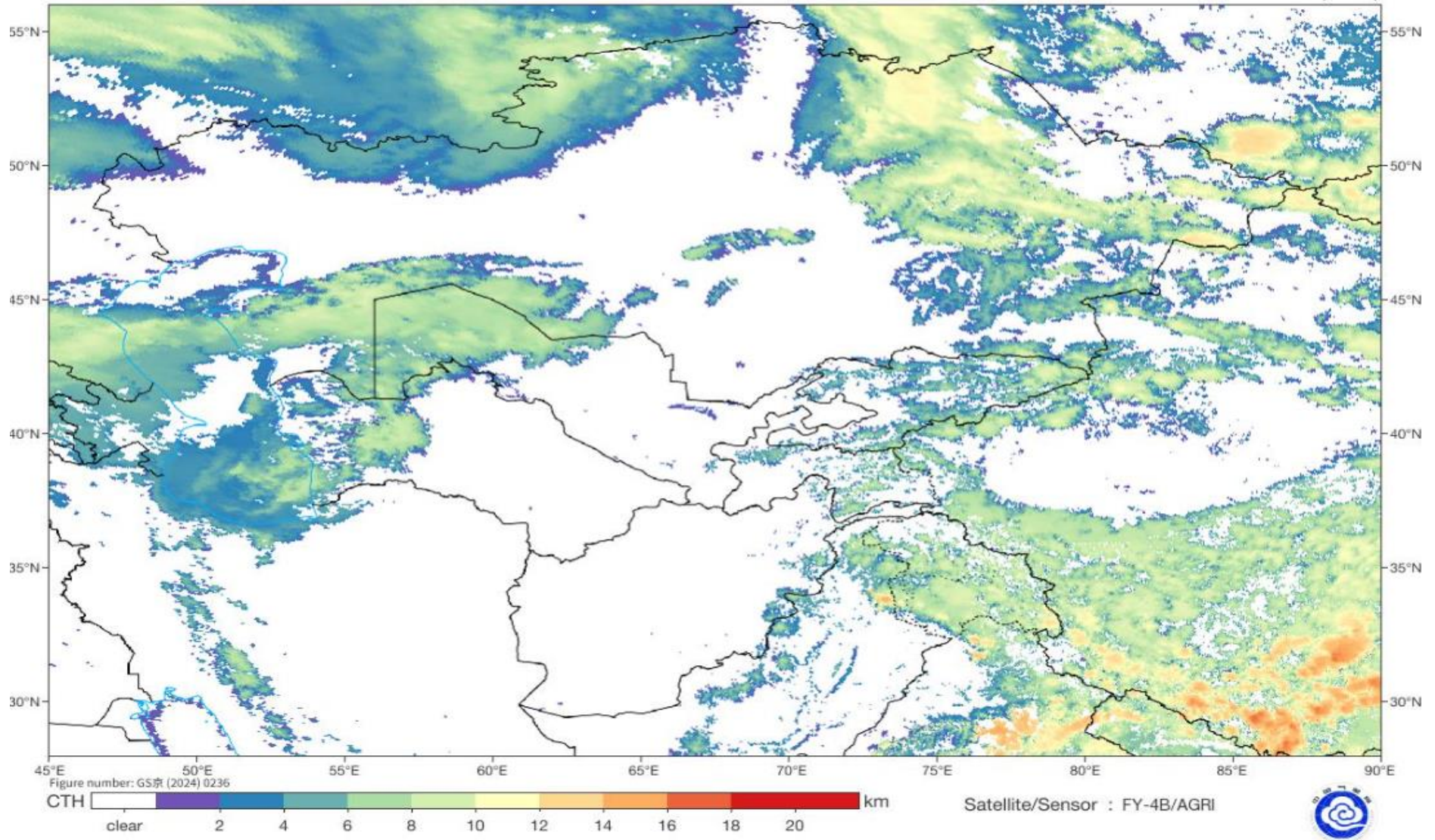
Age of lightning (minutes) 

Sun 08/16/2026, 01:30pm GMT+0430



Cloud Top Height

2026-08-16 08:45(UTC)



Fog Identification

2026-08-16 09:00(UTC)

