



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



Daily reports of Satellite imagery analysis. Date & Time: 16-05-2026, 06:00 UTC

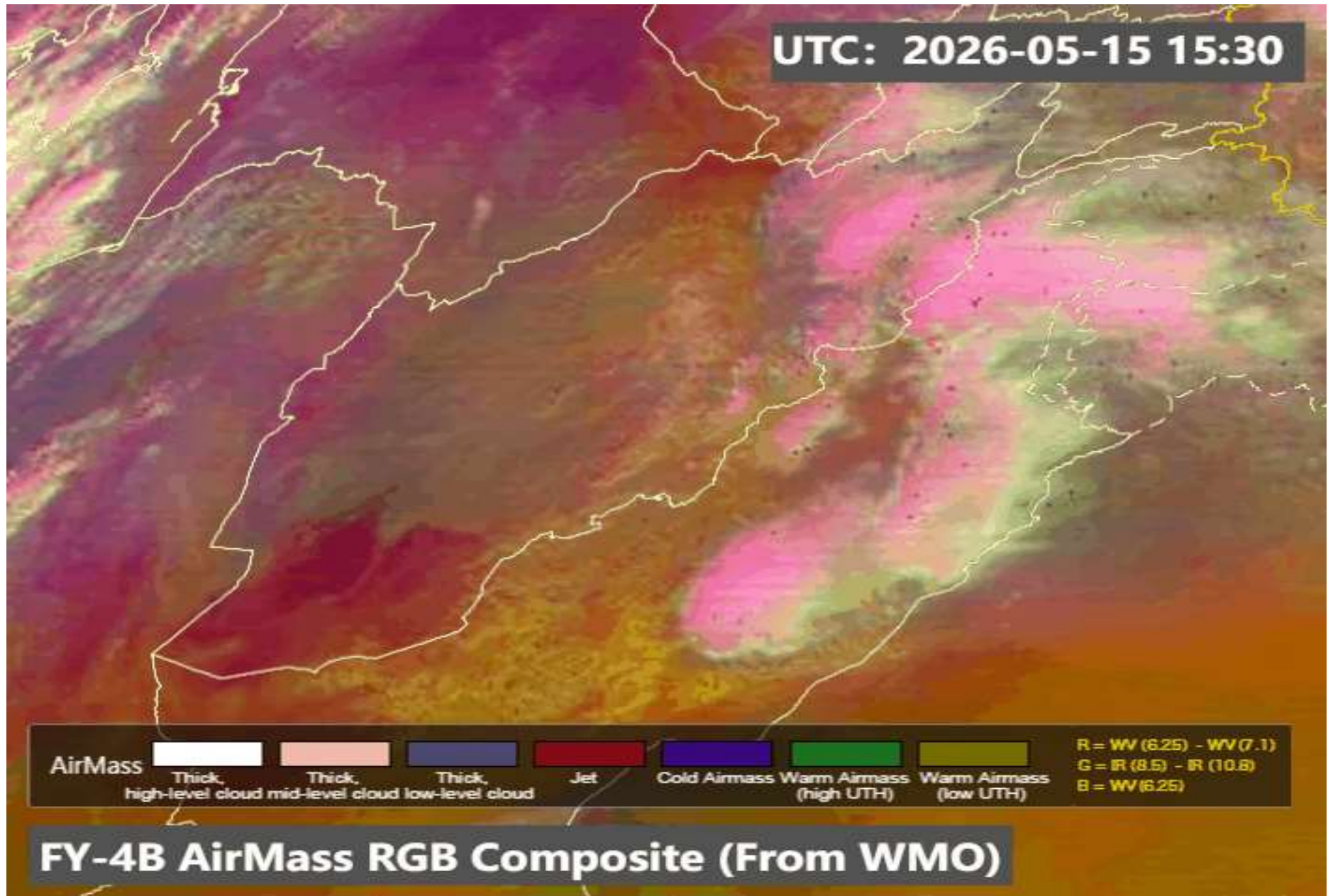
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	X	✓	X	✓ moderate	X	X	
2	South	✓	✓	X	X	X	✓ moderate	X	✓	
3	West	✓	X	X	✓	X	✓ moderate	X	X	
4	East	✓	✓	X	✓	X	✓ moderate	X	X	
5	central	✓	X	X	✓	X	✓ moderate	X	X	
6	Northeast	✓	X	X	✓	X	✓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

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

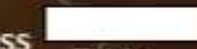
Not: X (Not existing phenomena) ✓ (existing phenomena)

Reported by: Esmatullah Mohammadi

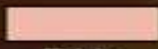
UTC: 2026-05-15 15:30



AirMass



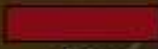
Thick, high-level cloud



Thick, mid-level cloud



Thick, low-level cloud



Jet



Cold Airmass



Warm Airmass (high UTH)

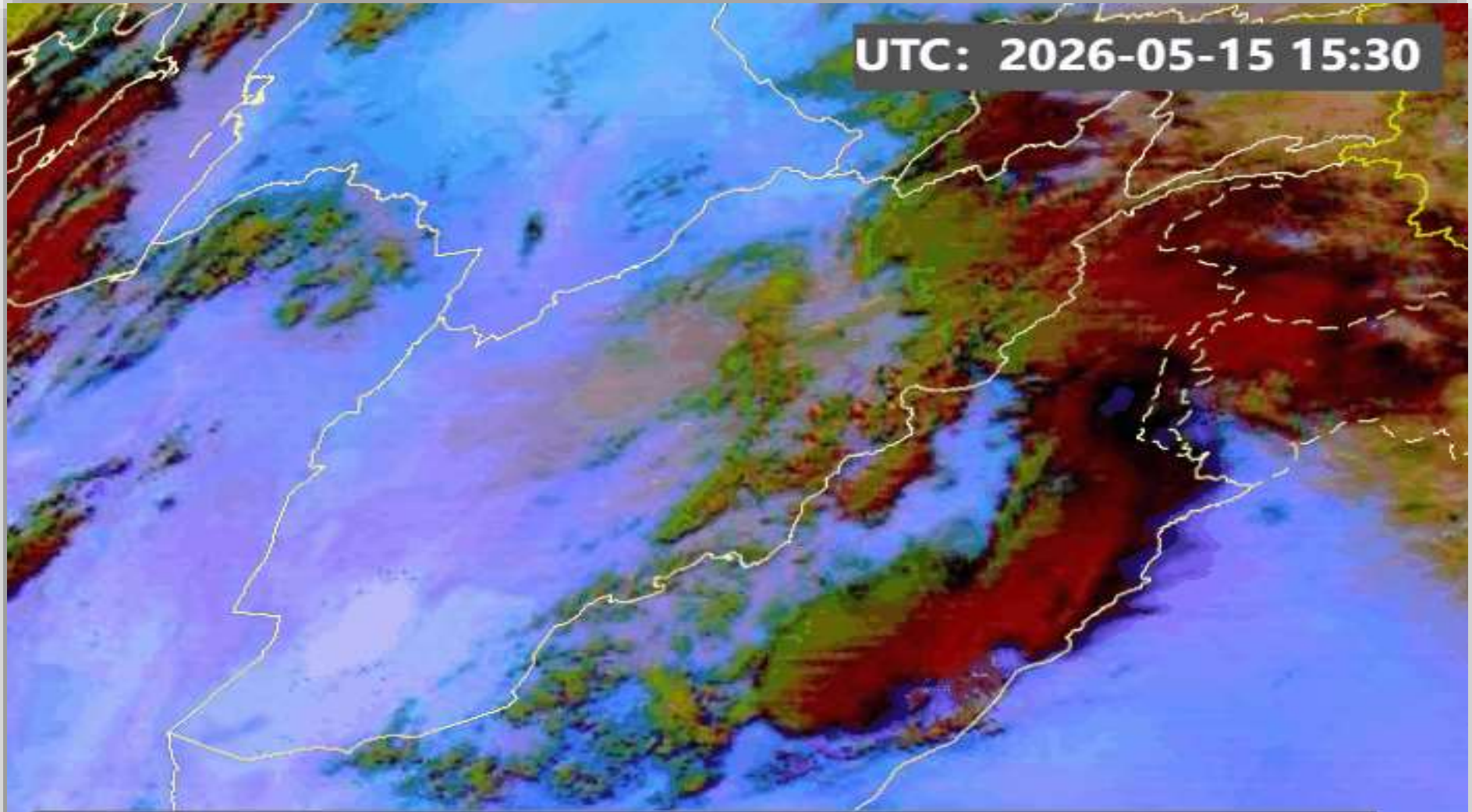


Warm Airmass (low UTH)

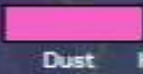
R = WV (6.25) - WV (7.1)
G = IR (8.5) - IR (10.8)
B = WV (6.25)

FY-4B AirMass RGB Composite (From WMO)

UTC: 2026-05-15 15:30



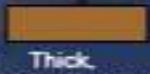
Dust



Dust



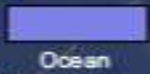
High-level cloud



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)

Sand And Dust Identification

2026-05-16 05:30(UTC)

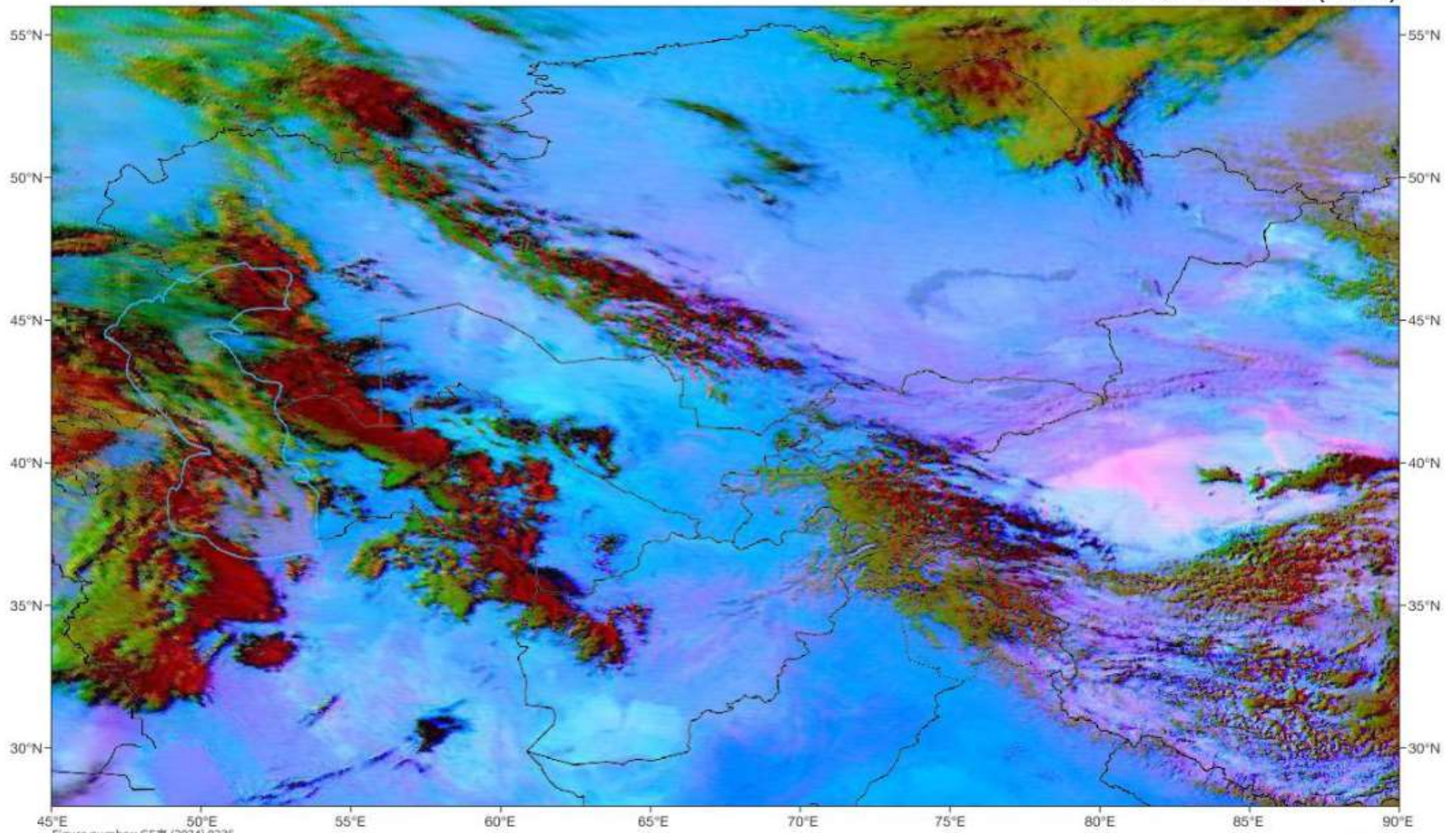


Figure number: GS京(2024)0236

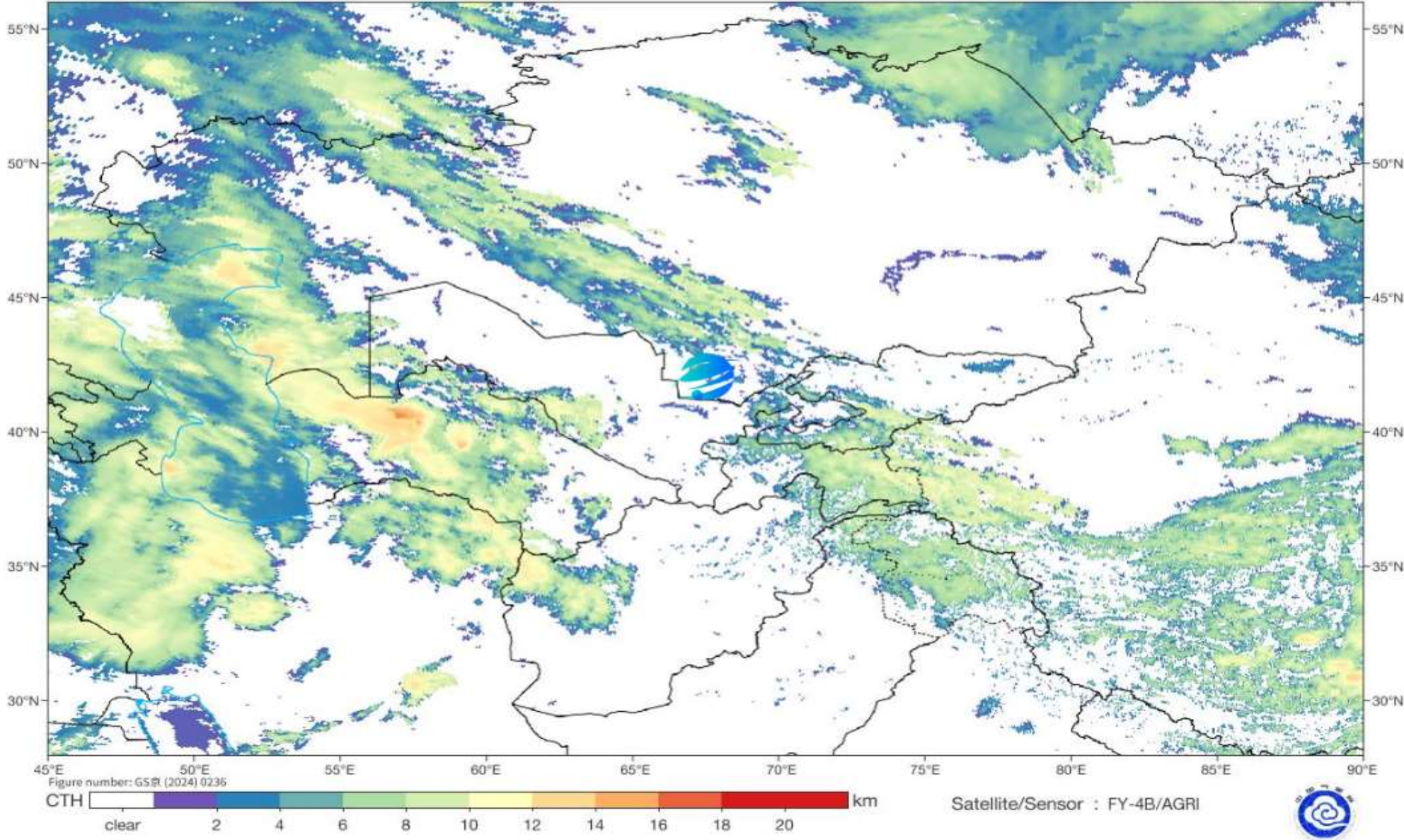


Satellite/Sensor : FY-4B/AGRI



Cloud Top Height

2026-05-16 05:30(UTC)

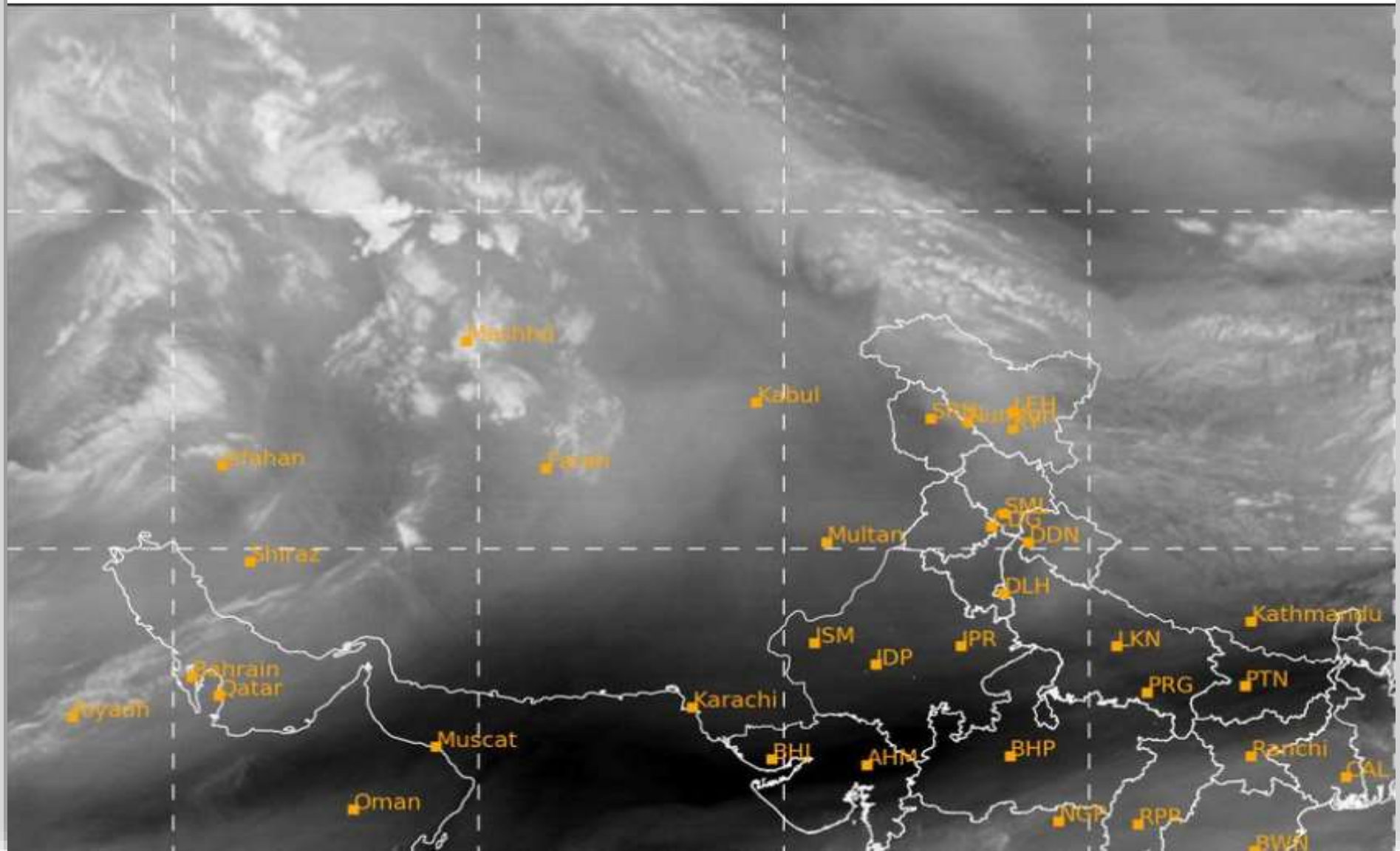


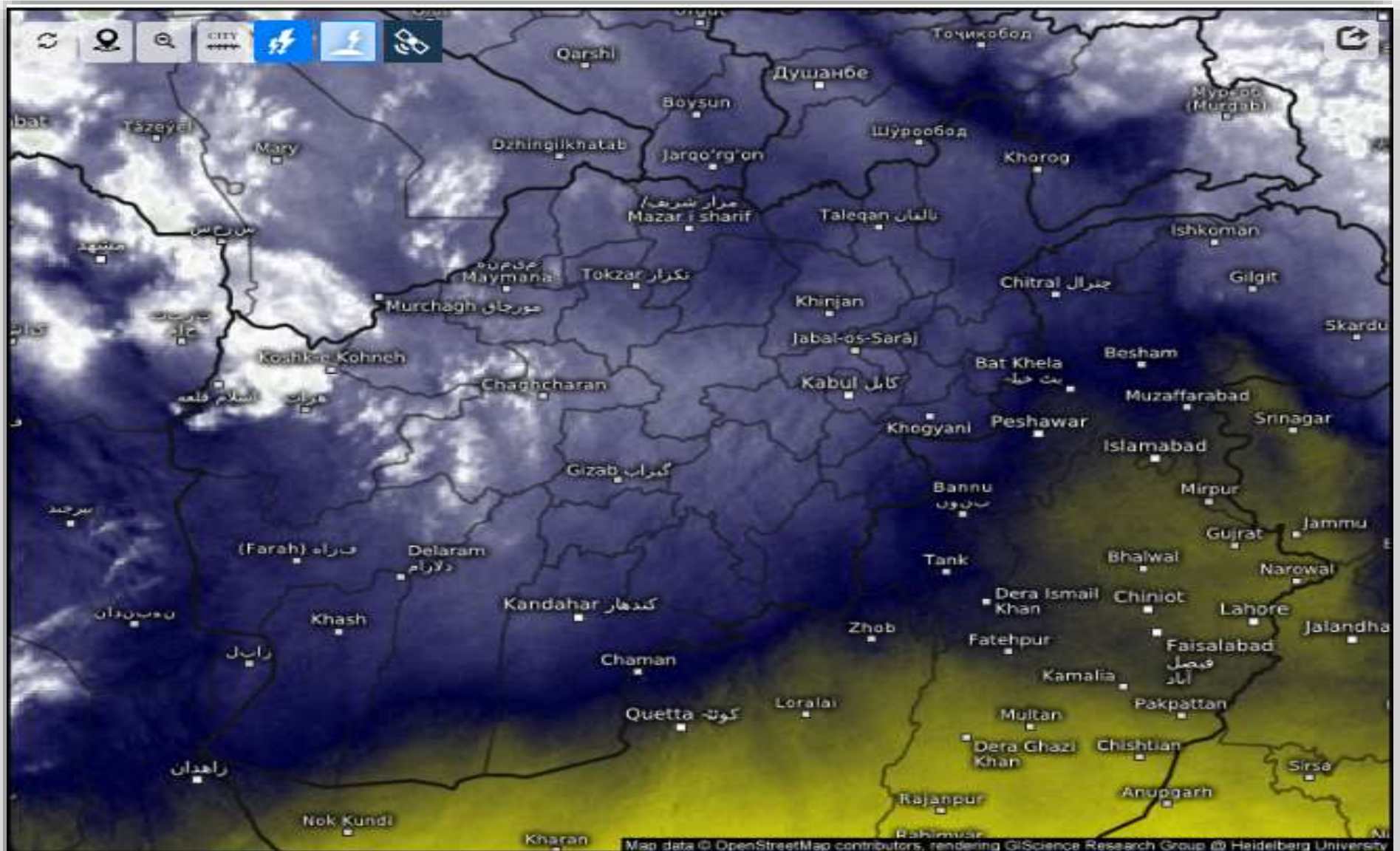
Live satellite map, Afghanistan



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

16-05-2026/(0415 to 0442) GMT
16-05-2026/(0945 to 1012) IST





Satellite Water Vapor

Sat 05/16/2026, 10:00am GMT+0430

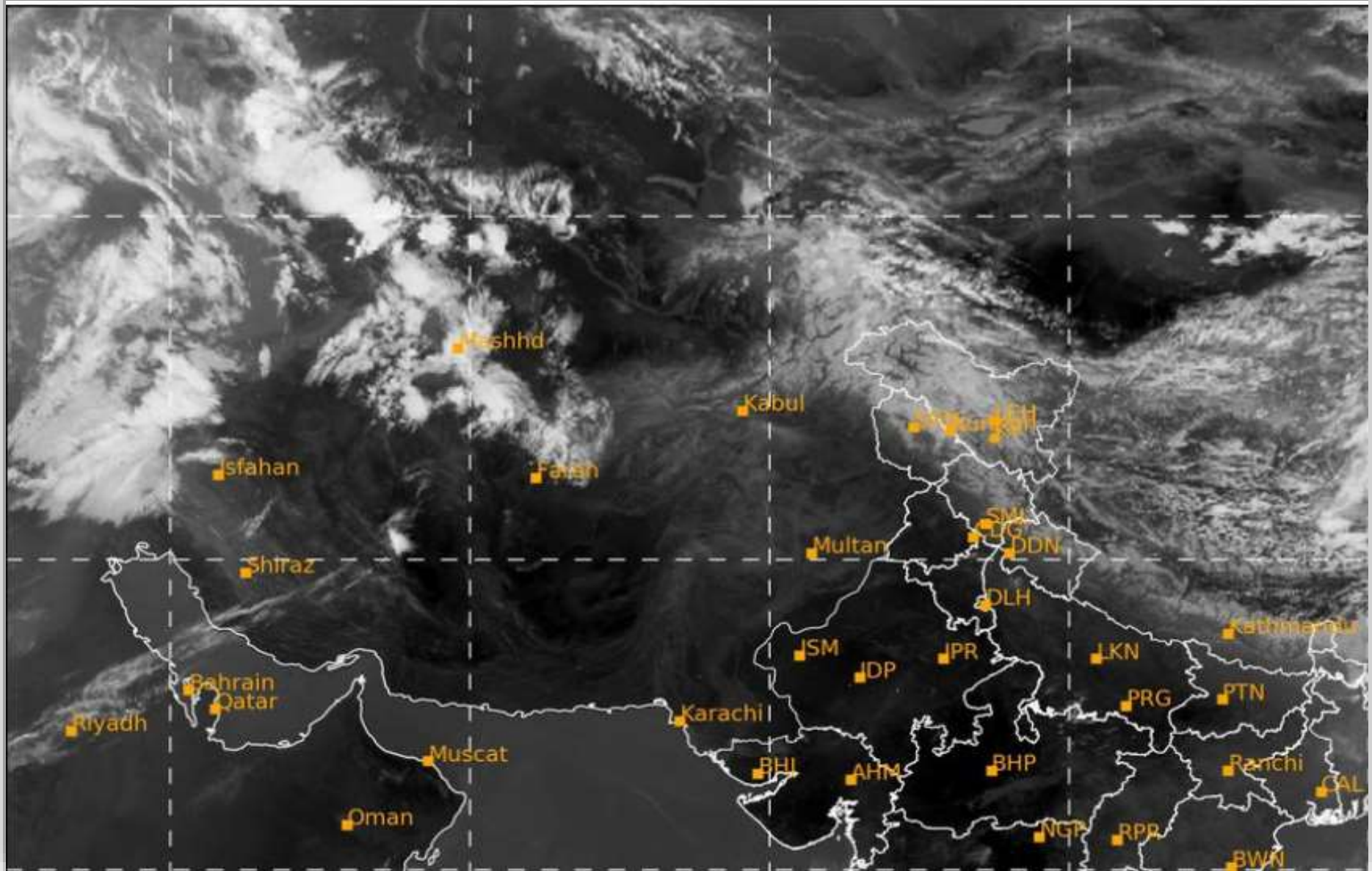


wet/cold

dry/warm

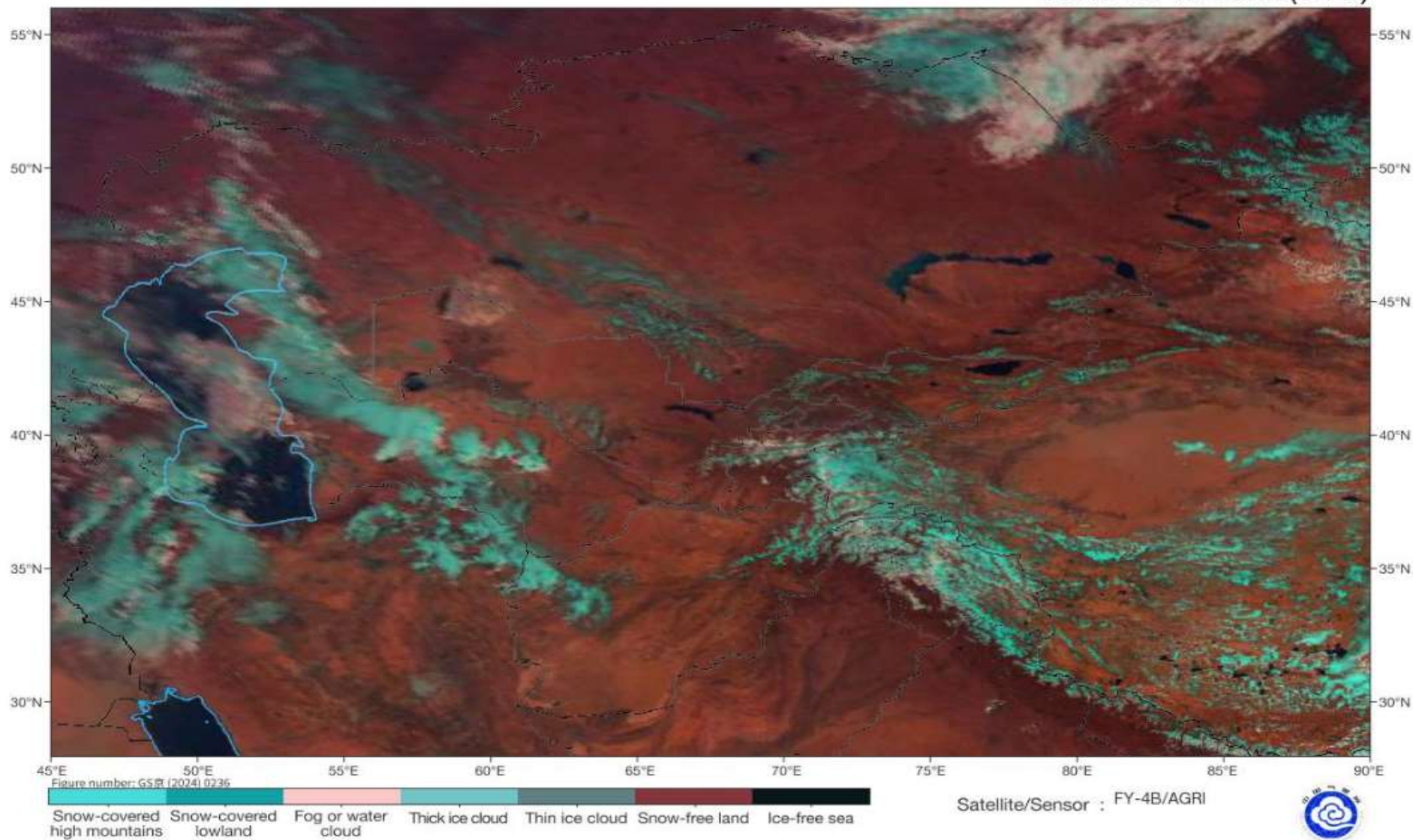
SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
LIC Mercator

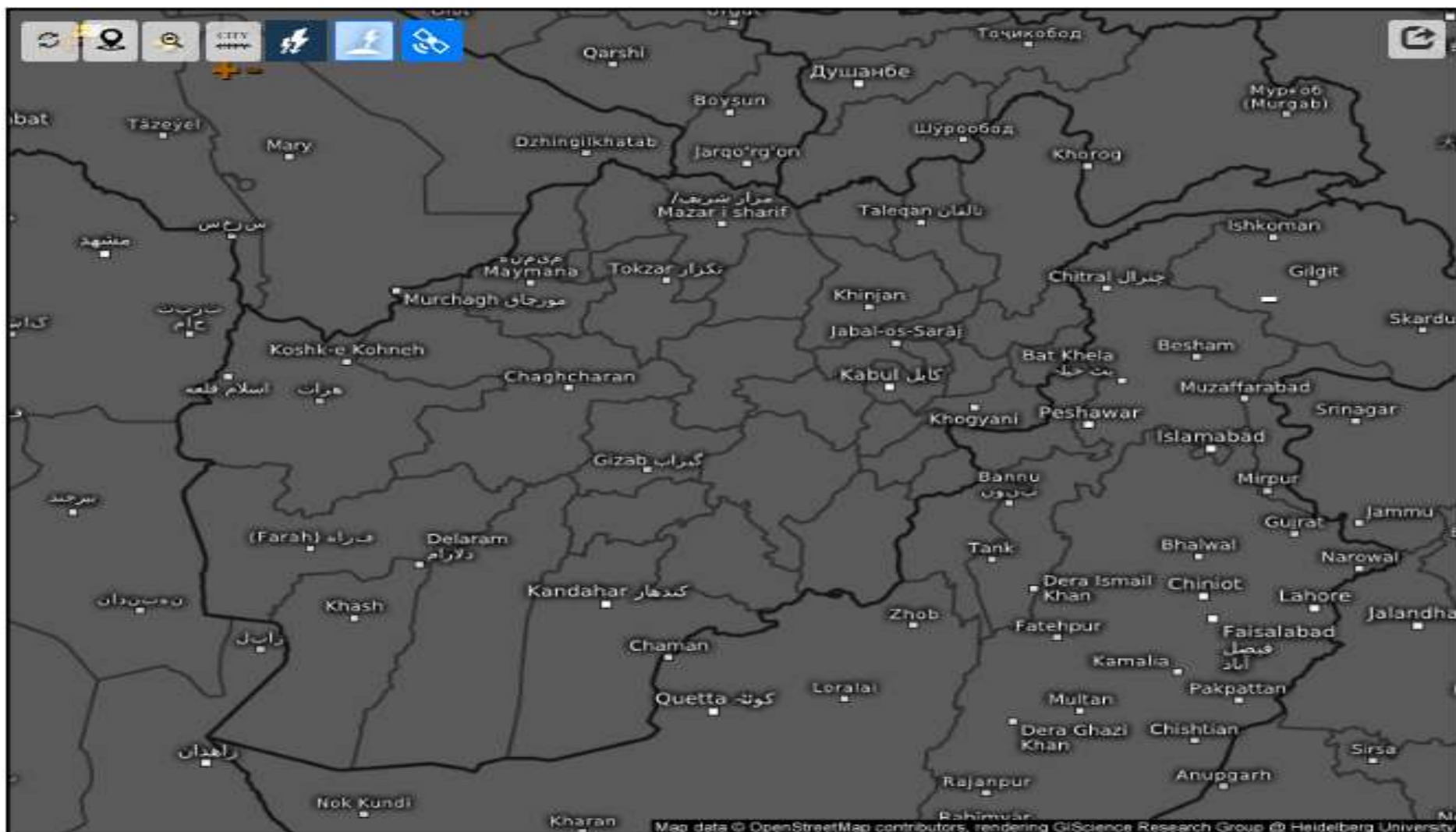
16-05-2026/(0415 to 0442) GMT
16-05-2026/(0945 to 1012) IST



Fog Identification

2026-05-16 05:30(UTC)





Age of lightning (minutes) ⓘ

Sat 05/16/2026, 10:10am GMT+0430

