



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



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

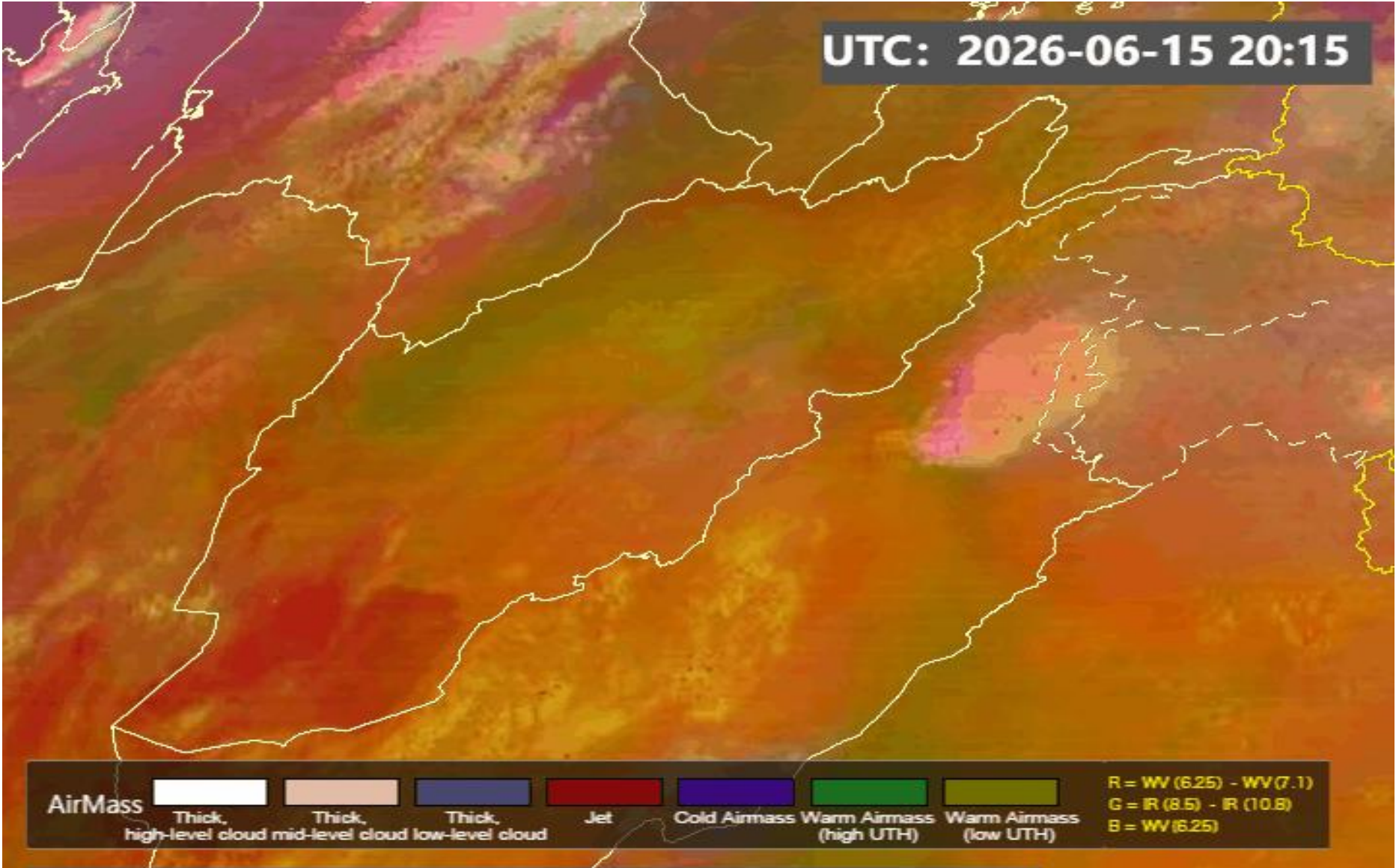
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	X	X	X	X	X	✓ weak	X	✓	
2	South	X	X	X	X	X	✓ weak	X	✓	
3	West	✓	X	X	✓	X	✓ weak	X	X	
4	East	✓	X	X	✓	X	✓ weak	X	X	
5	central	✓	light	X	X	X	✓ Dry/warm	X	X	
6	Northeast	✓	X	X	✓	X	✓ weak	X	X	
7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

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

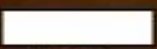
Not: X (Not existing phenomena) ✓ (existing phenomena)

Reported by: Esmatullah Mohammadi

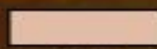
UTC: 2026-06-15 20:15



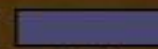
AirMass



Thick, high-level cloud



Thick, mid-level cloud



Thick, low-level cloud



Jet



Cold Airmass



Warm Airmass (high UTH)

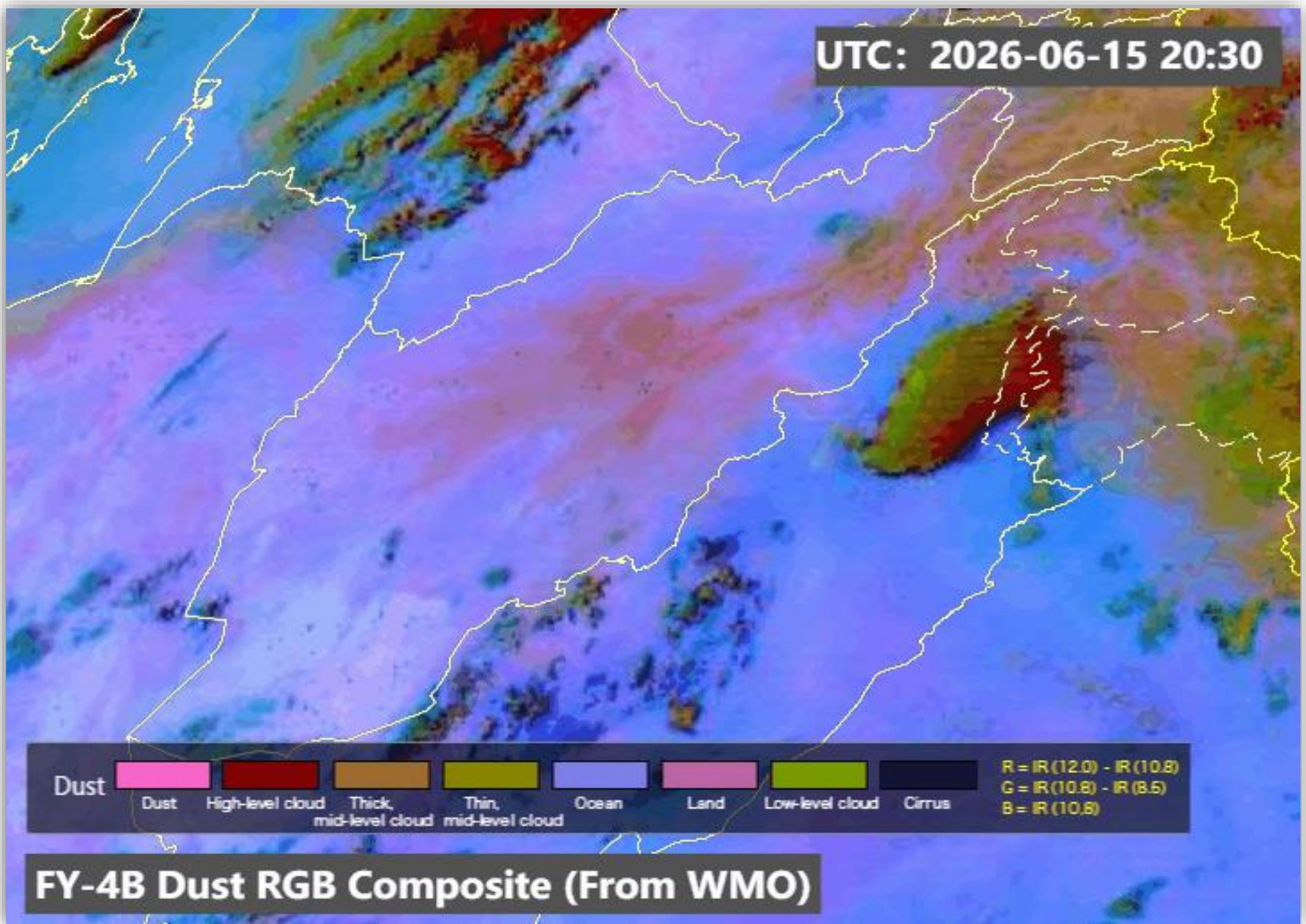


Warm Airmass (low UTH)

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)

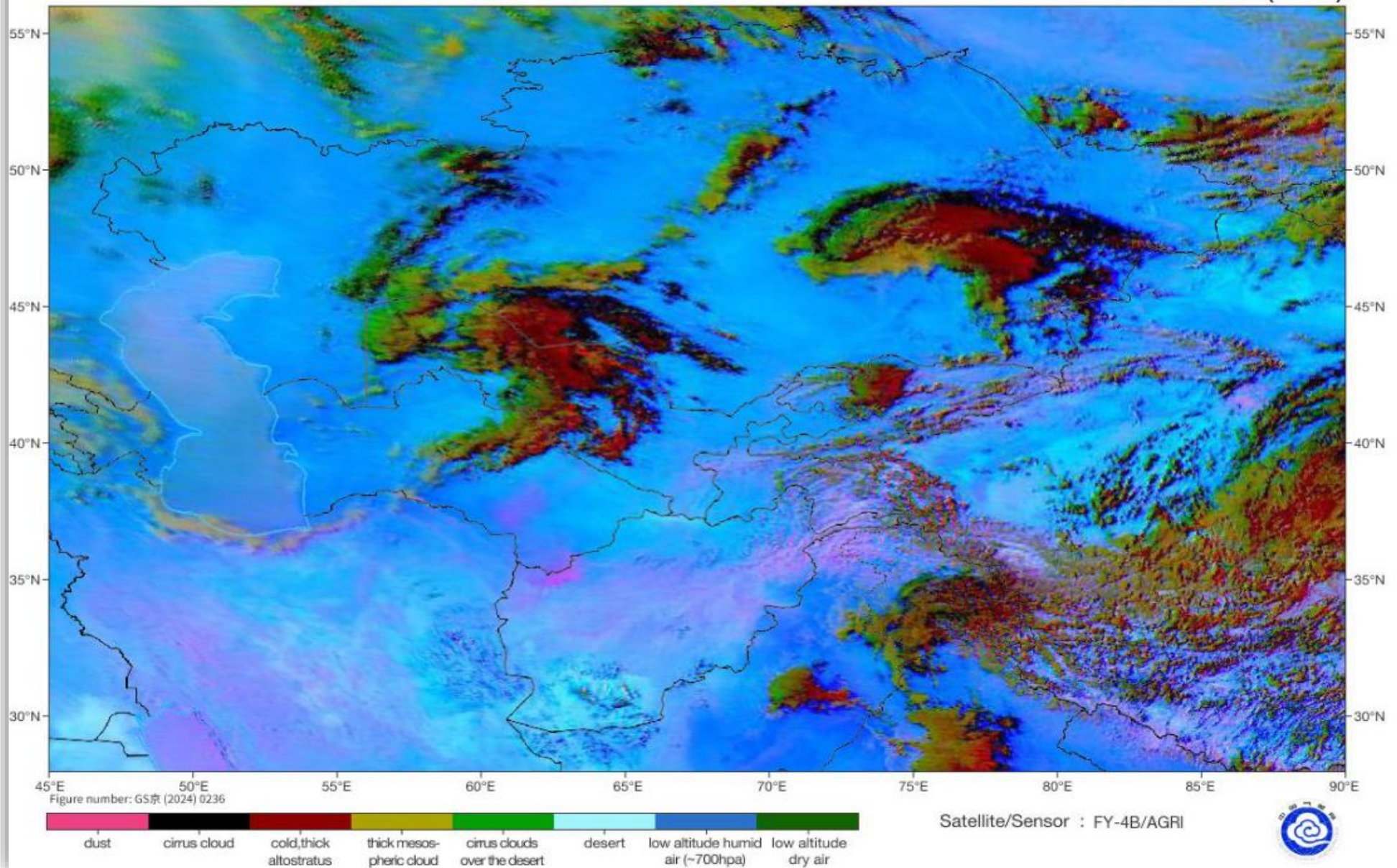
UTC: 2026-06-15 20:30



FY-4B Dust RGB Composite (From WMO)

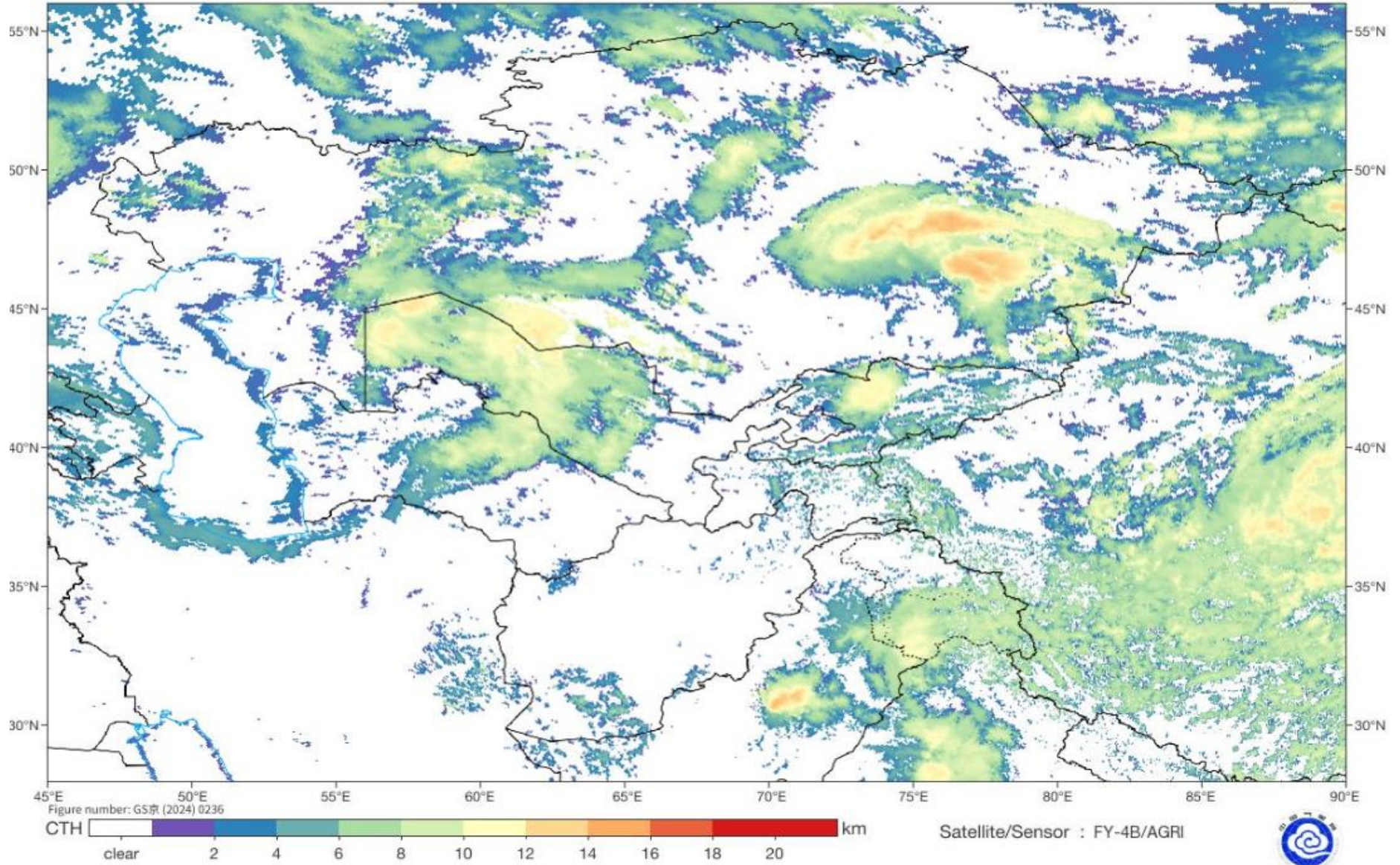
Sand And Dust Identification

2026-06-16 05:30(UTC)

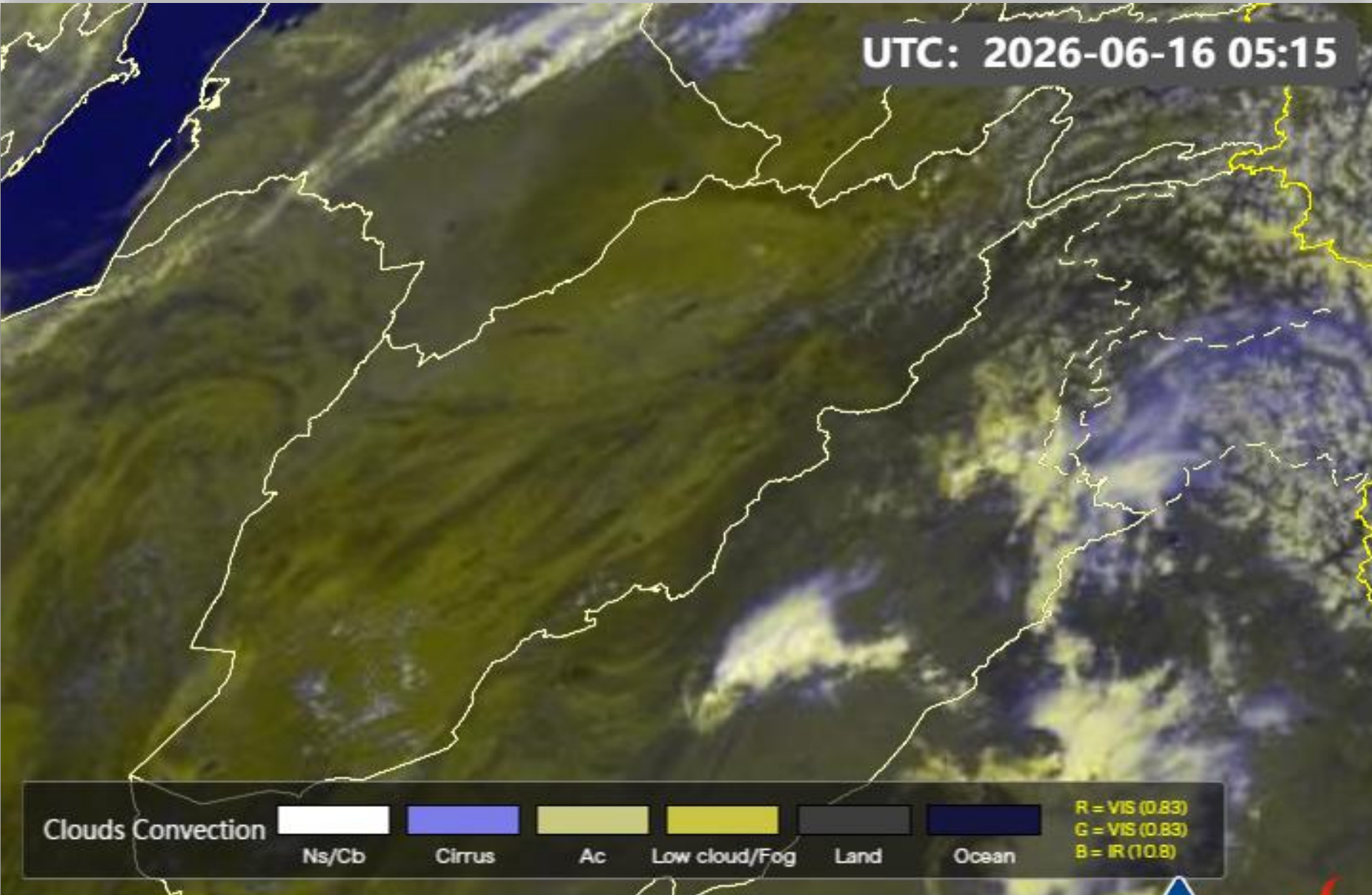


Cloud Top Height

2026-06-16 05:00(UTC)



UTC: 2026-06-16 05:15



Clouds Convection

					
Ns/Cb	Cirrus	Ac	Low cloud/Fog	Land	Ocean

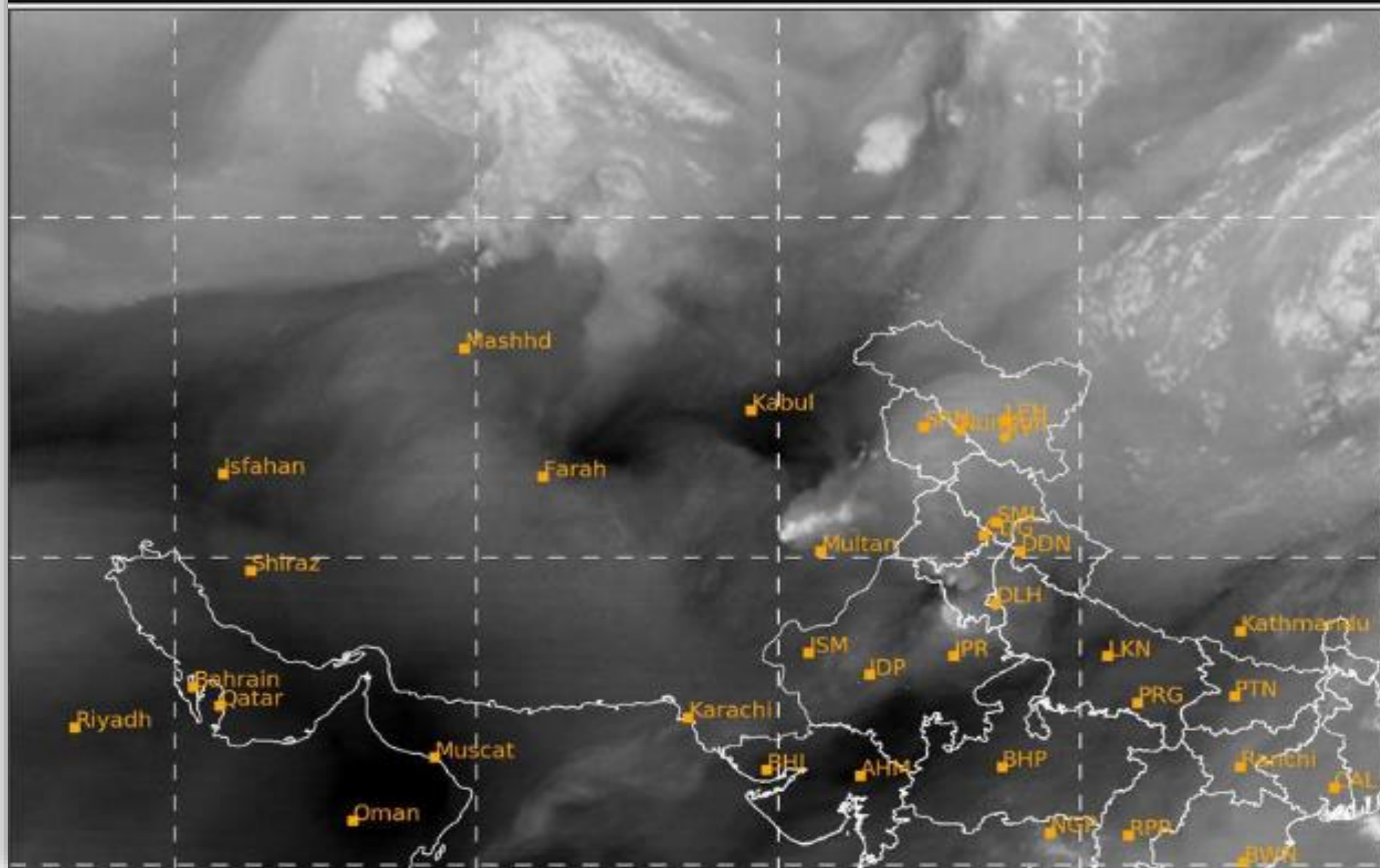
R = VIS (0.83)
G = VIS (0.83)
B = IR (10.8)

FY-4B CloudsConvection RGB Composite (From WMO)



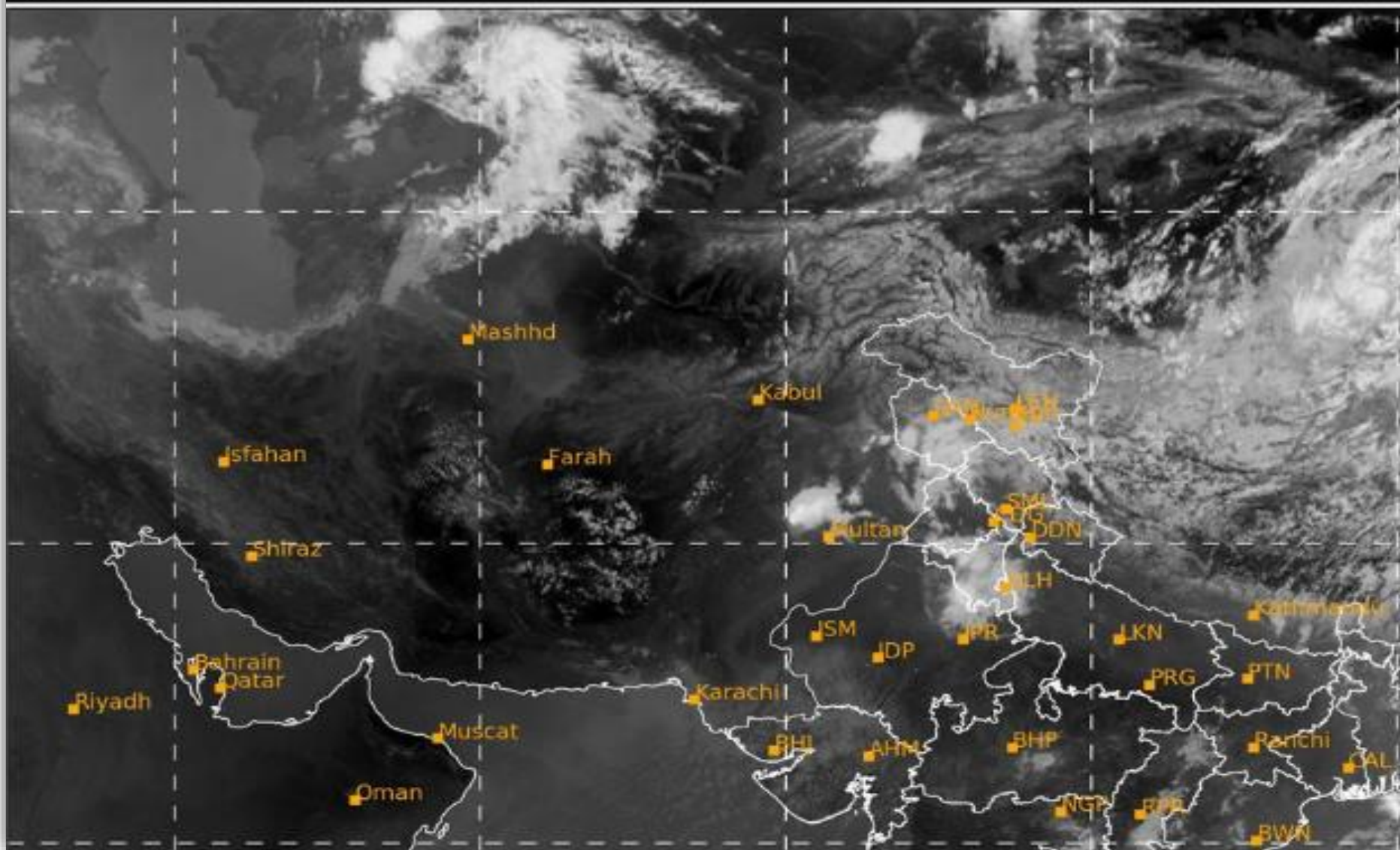
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

16-06-2026/(0415 to 0442) GMT
16-06-2026/(0945 to 1012) IST



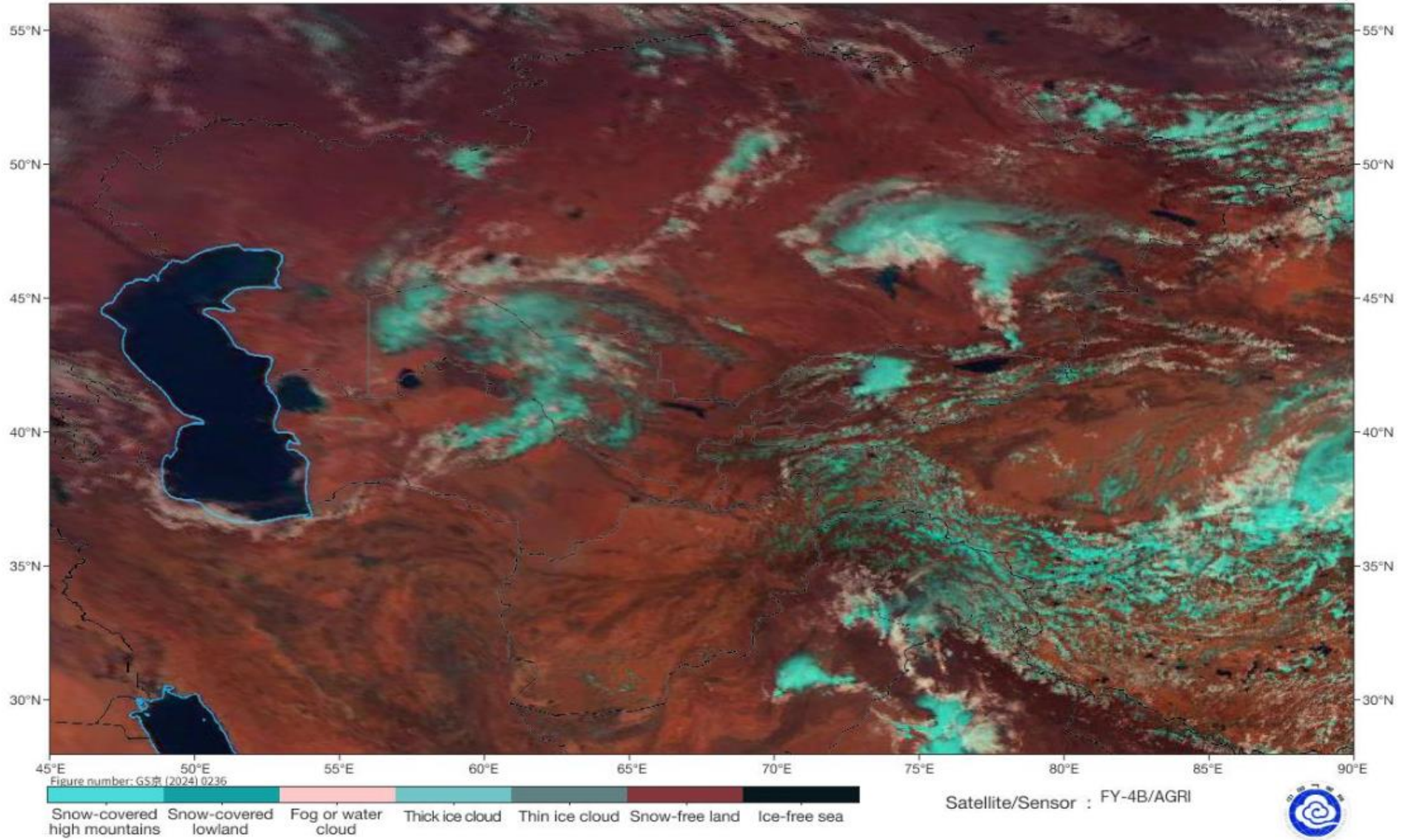
SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

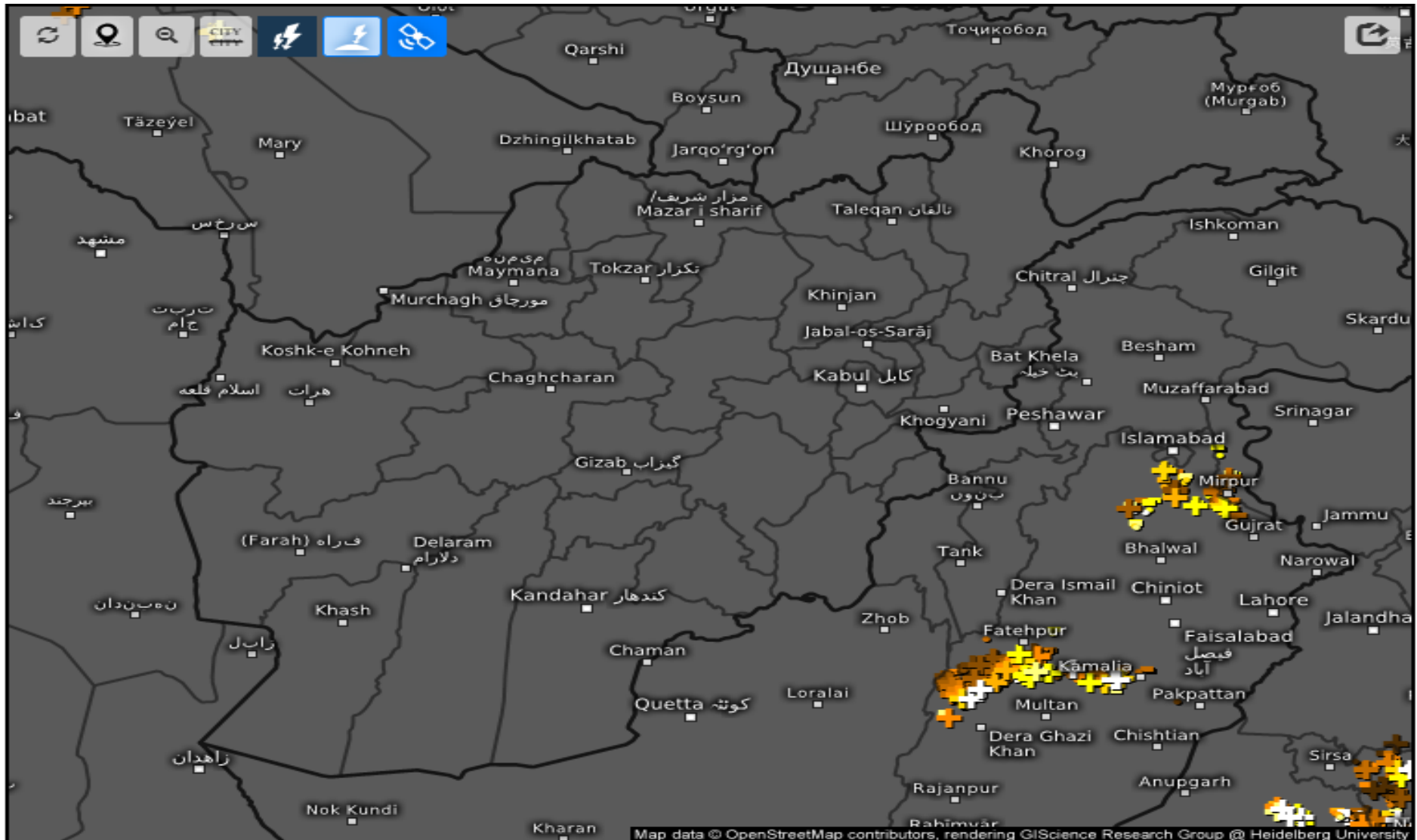
16-06-2026/(0415 to 0442) GMT
16-06-2026/(0945 to 1012) IST



Fog Identification

2026-06-16 05:30(UTC)





Age of lightning (minutes) ⓘ

Tue 06/16/2026, 10:15am GMT+0430

