



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



Daily reports of Satellite imagery analysis. Date & Time: 24-05-2026, 06:00 UTC

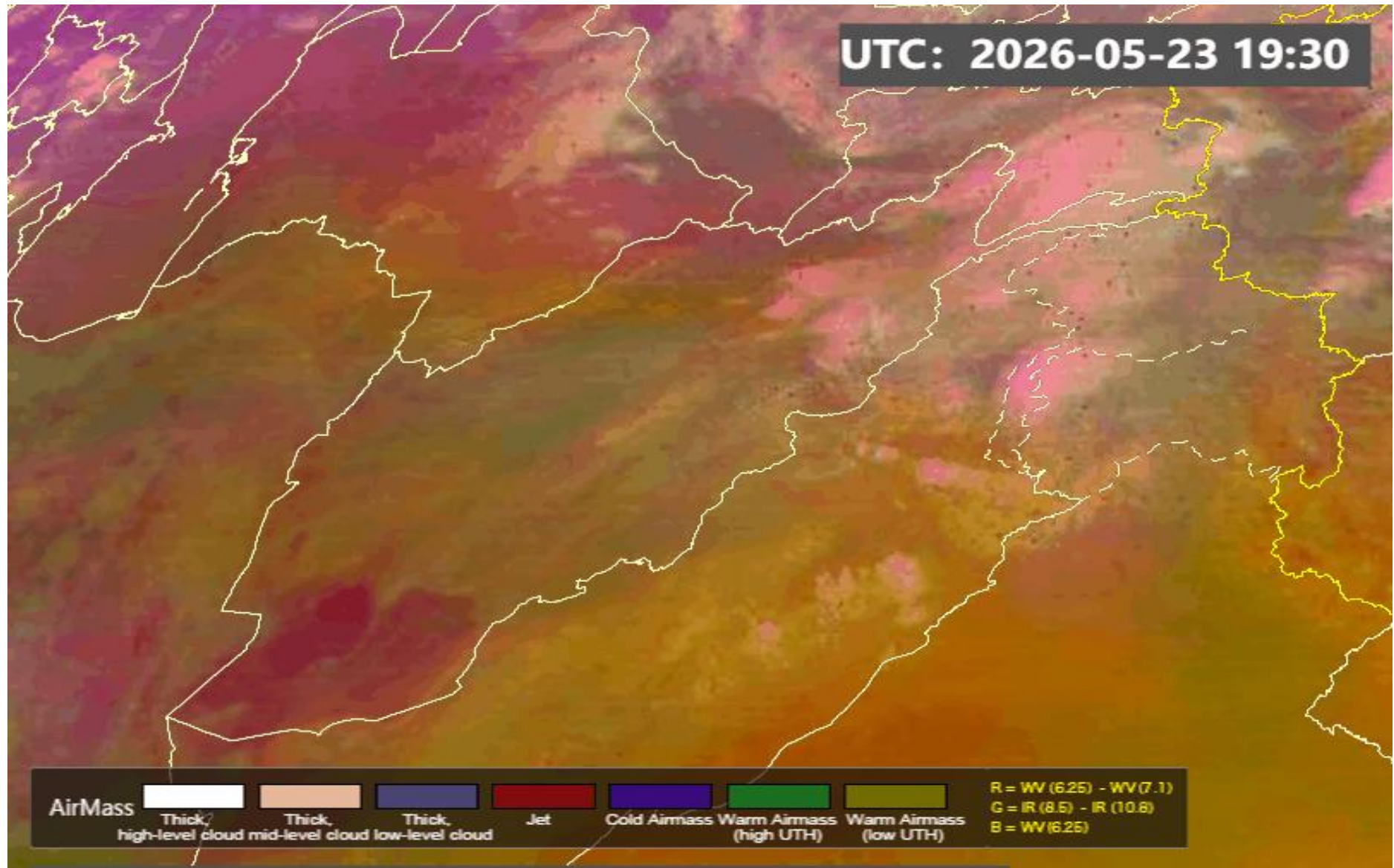
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	✓	✓	X	✓ moderate	X	X	
2	South	X	X	X	X	X	✓ weak	X	X	
3	West	✓	✓	X	X	X	✓ weak	X	X	
4	East	✓	X	X	✓	X	✓ weak	X	X	
5	central	✓	✓	X	✓	X	✓ weak	X	X	
6	Northeast	✓	X	X	✓	✓	✓ moderate	X	X	
7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

Details: According to satellite imagery analysis, the northern, western, eastern, central, northeastern, southeastern, northwestern regions have a warm air mass with (High UTH). The western, central, southeastern, northwestern and southwestern regions have dust. The northern regions have lightning. The northern, eastern, central, northeastern regions have cloudy skies. The northeastern regions have fog. All regions have weak water vapor; with the exception of northern and northeastern regions have moderate water vapor.

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

Reported by: Esmatullah Mohammadi

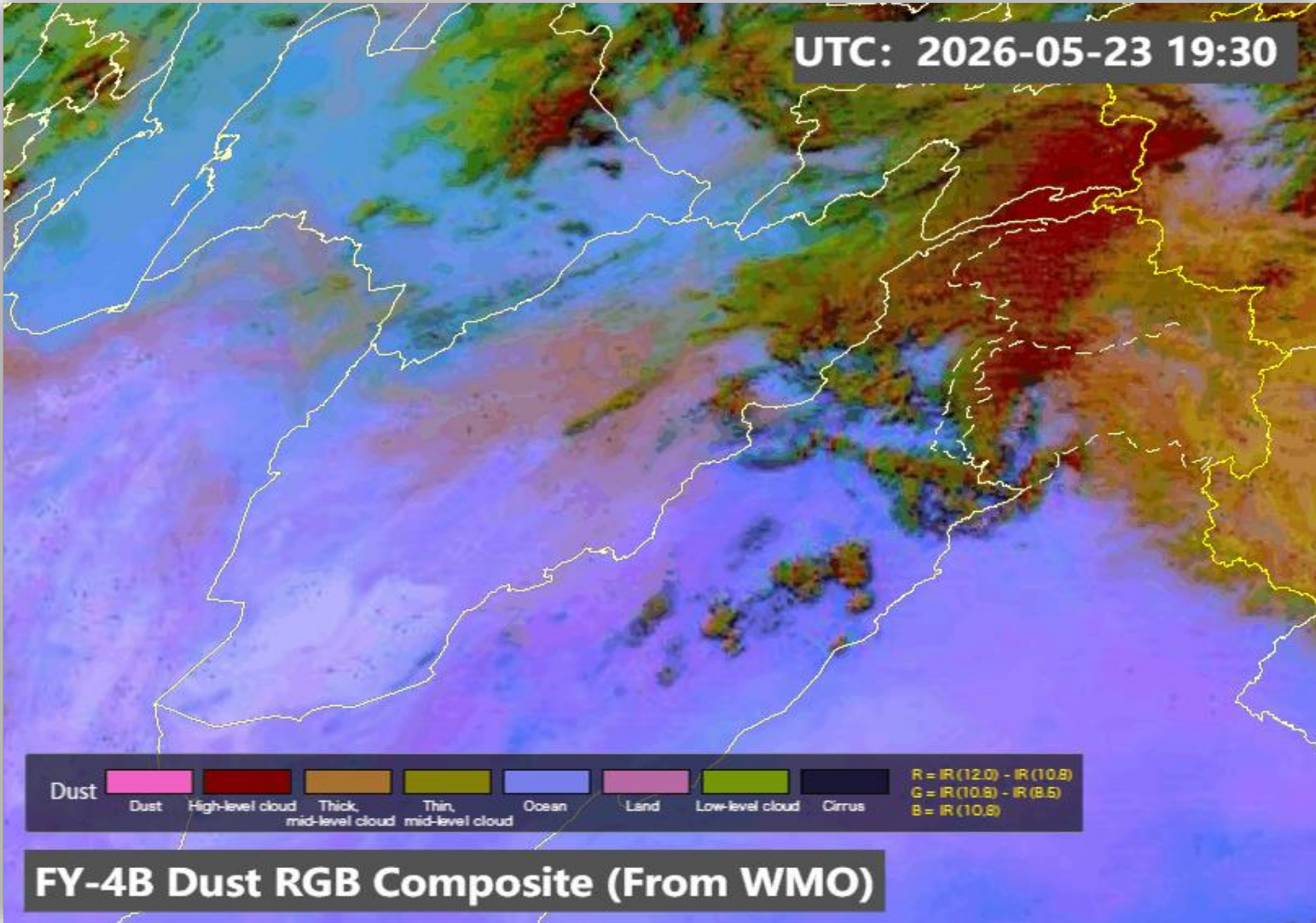
UTC: 2026-05-23 19:30



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)

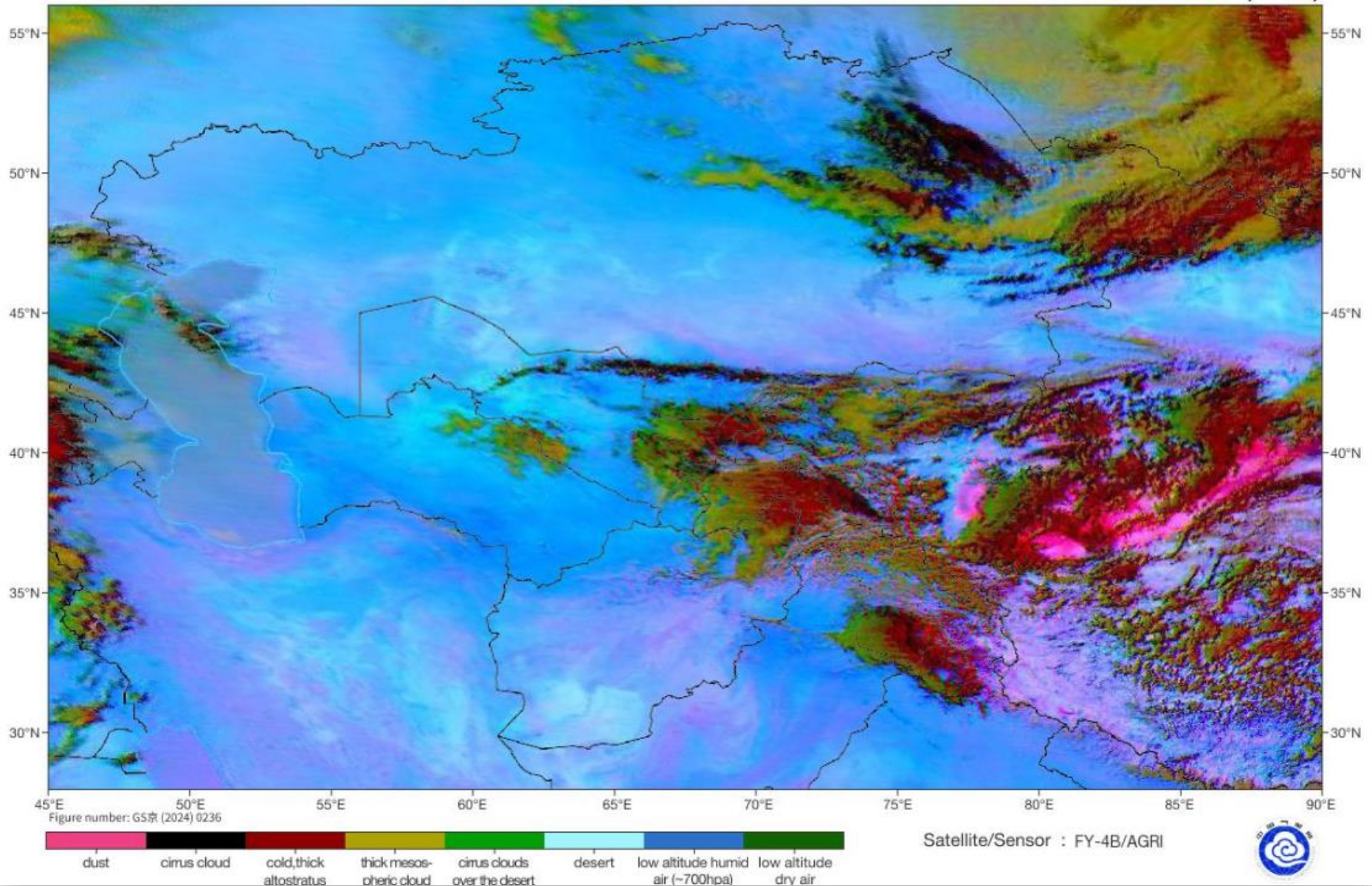
UTC: 2026-05-23 19:30



FY-4B Dust RGB Composite (From WMO)

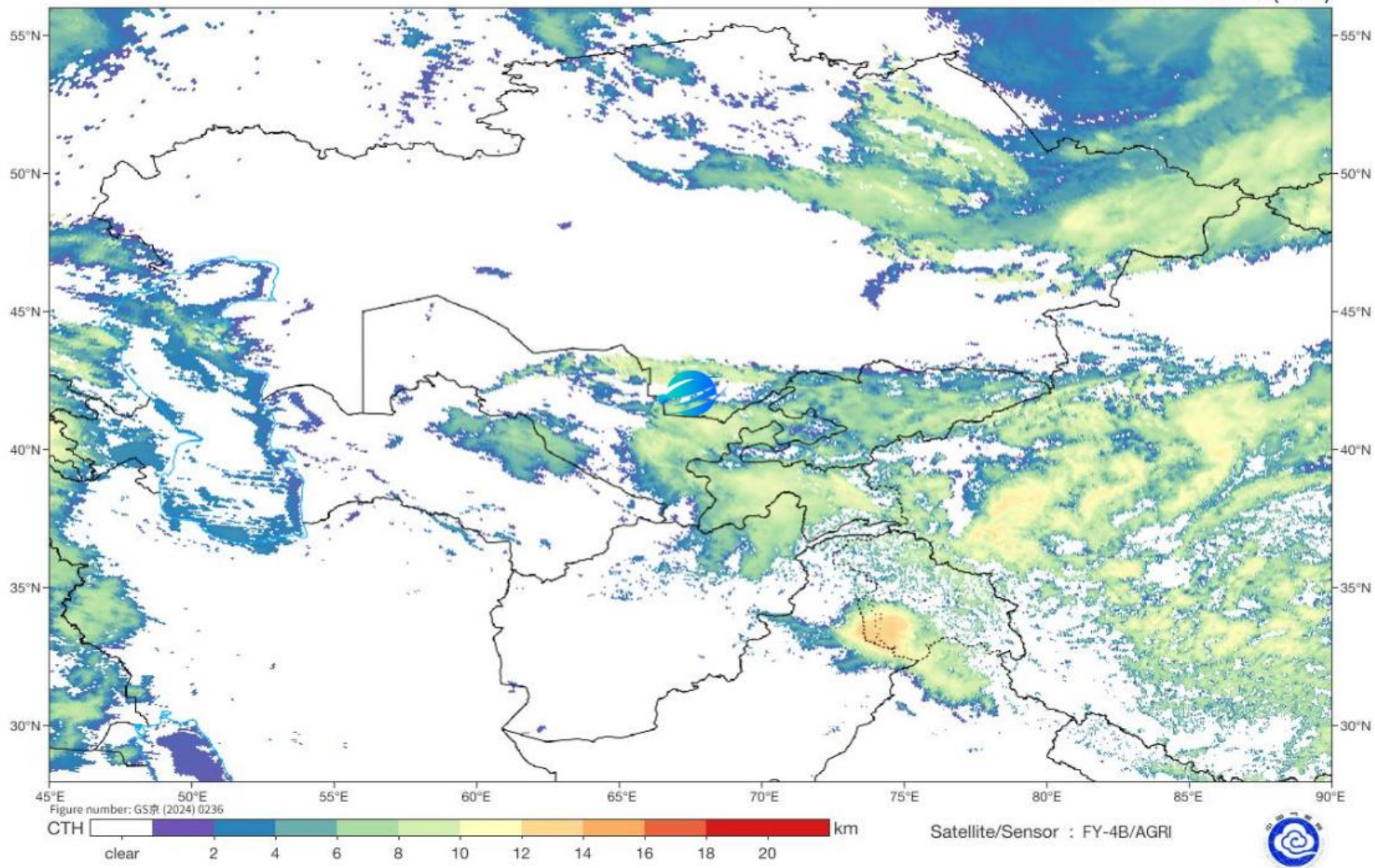
Sand And Dust Identification

2026-05-24 05:30(UTC)

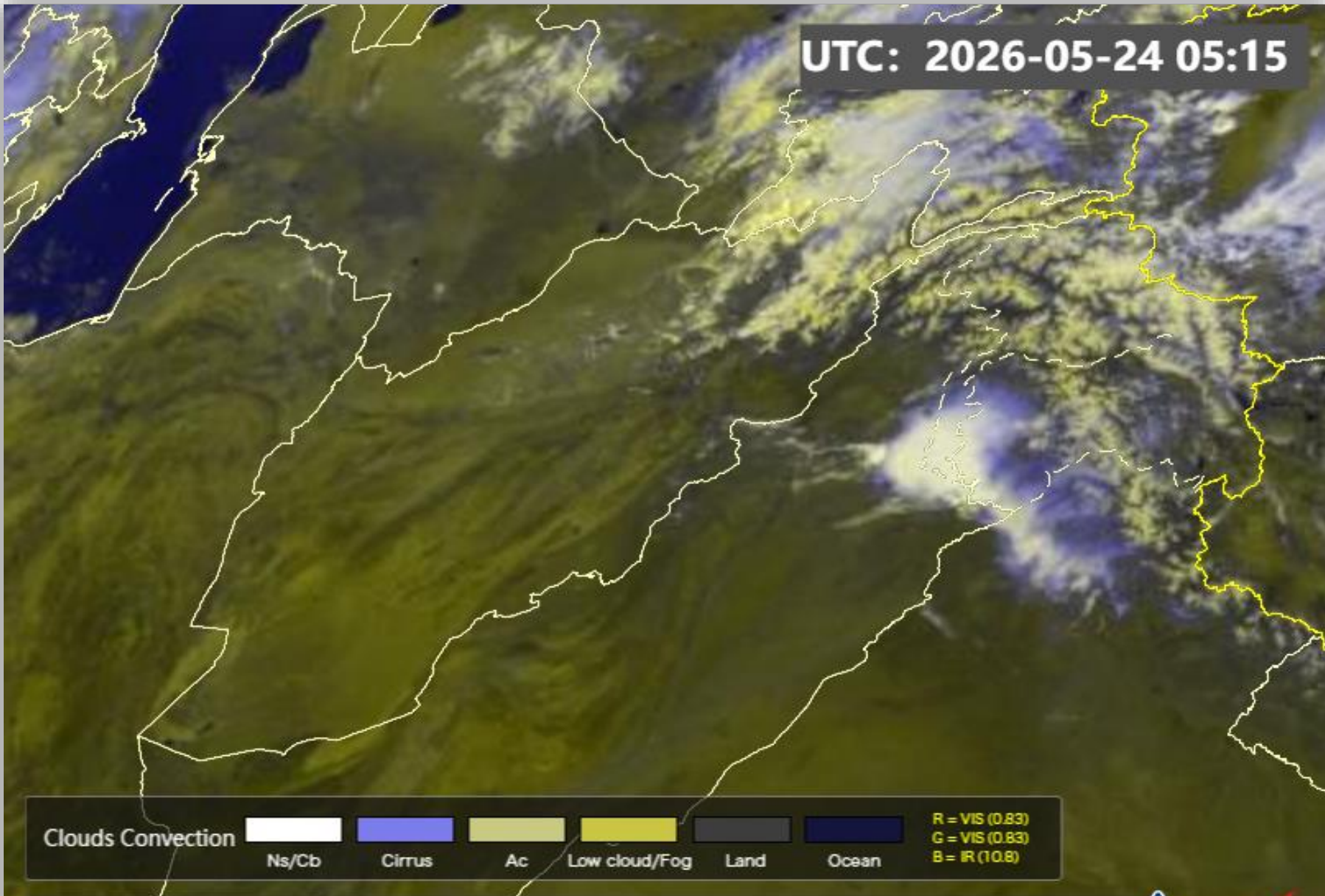


Cloud Top Height

2026-05-24 05:15(UTC)



UTC: 2026-05-24 05:15



Clouds Convection

					
Ns/Cb	Cirrus	Ac	Low cloud/Fog	Land	Ocean

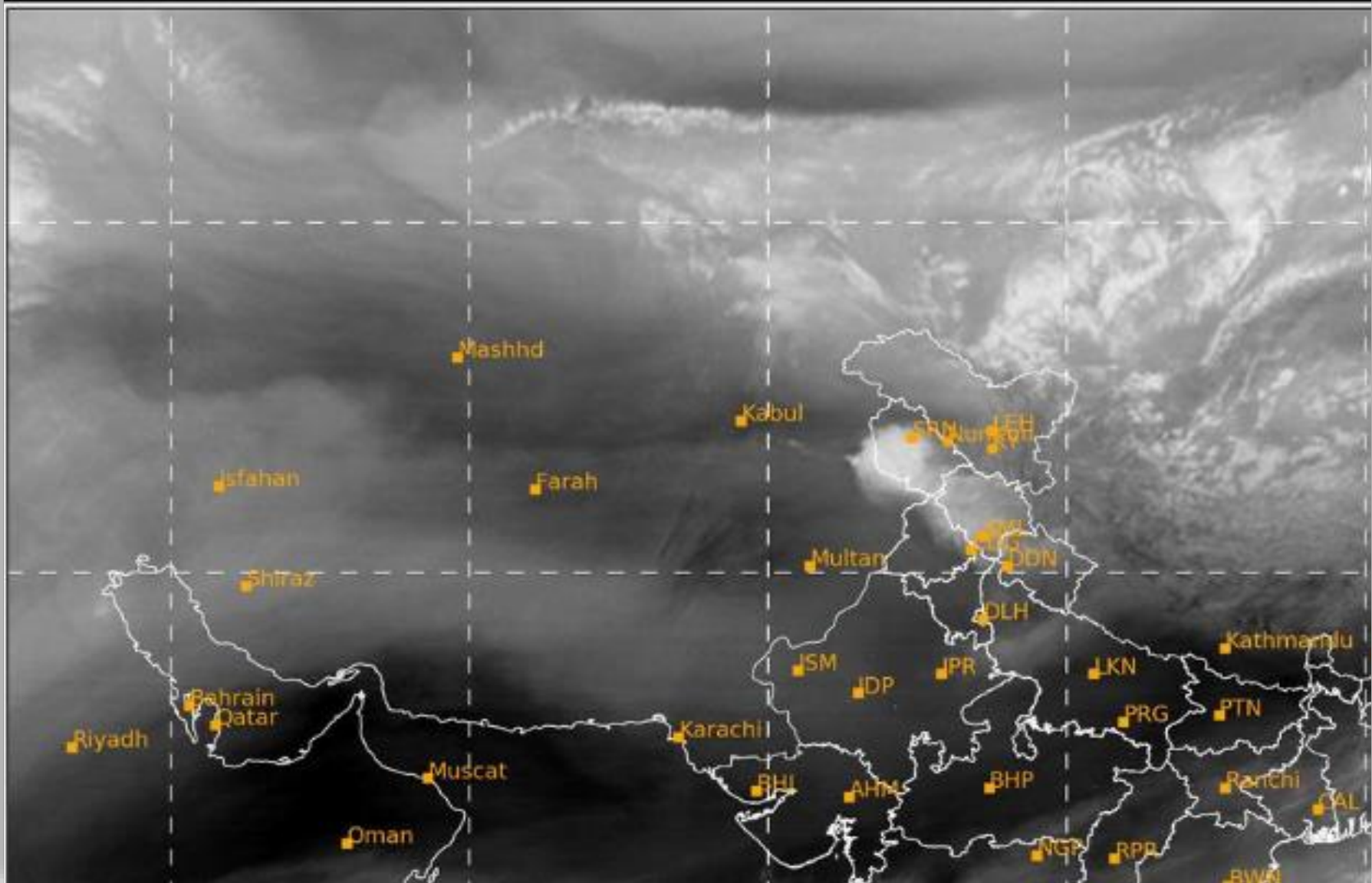
R = VIS (0.83)
G = VIS (0.83)
B = IR (10.8)

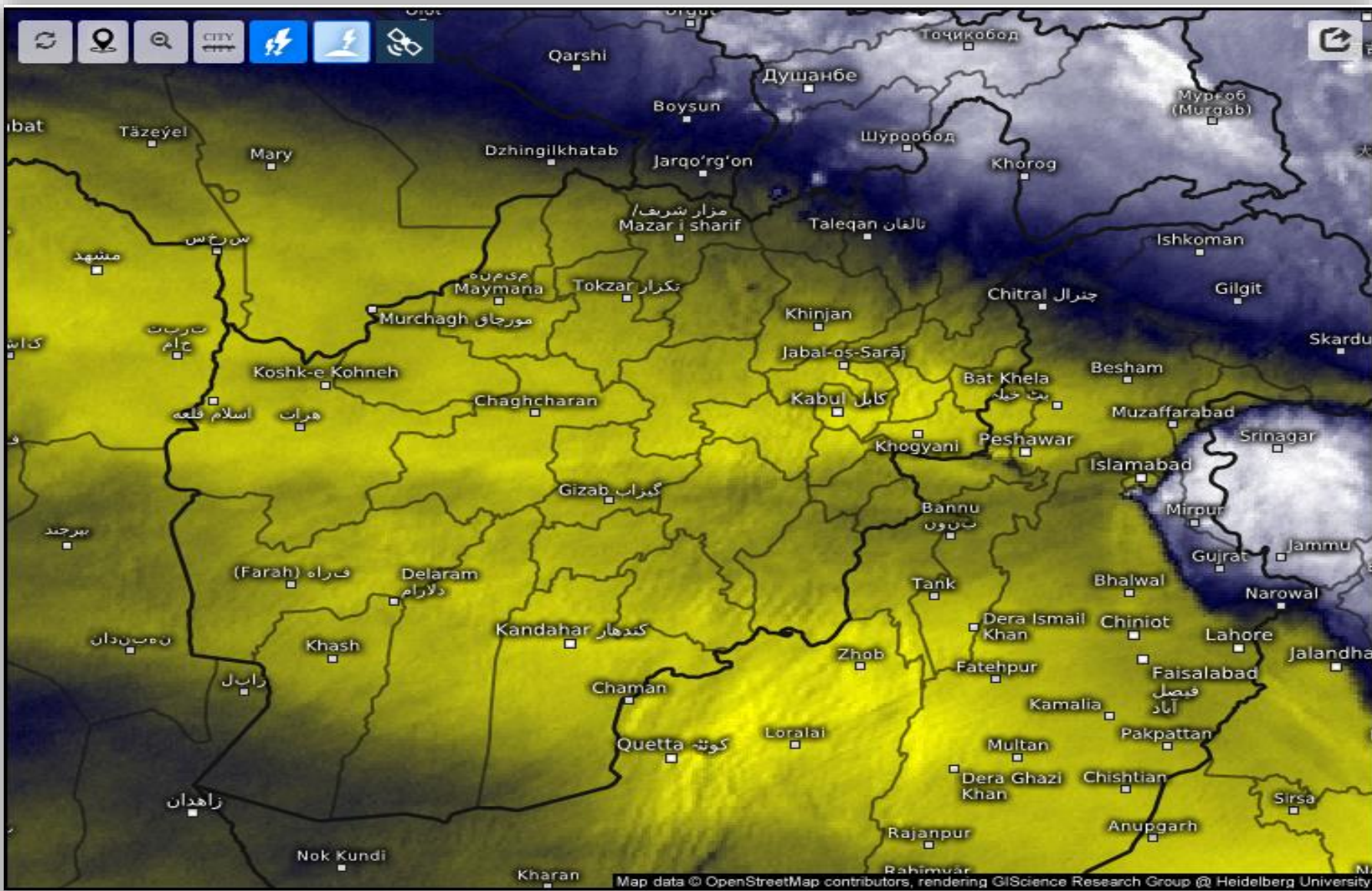
FY-4B CloudsConvection RGB Composite (From WMO)



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

24-05-2026/(0445 to 0512) GMT
24-05-2026/(1015 to 1042) IST





Satellite Water Vapor

Sun 05/24/2026, 10:00am GMT+0430

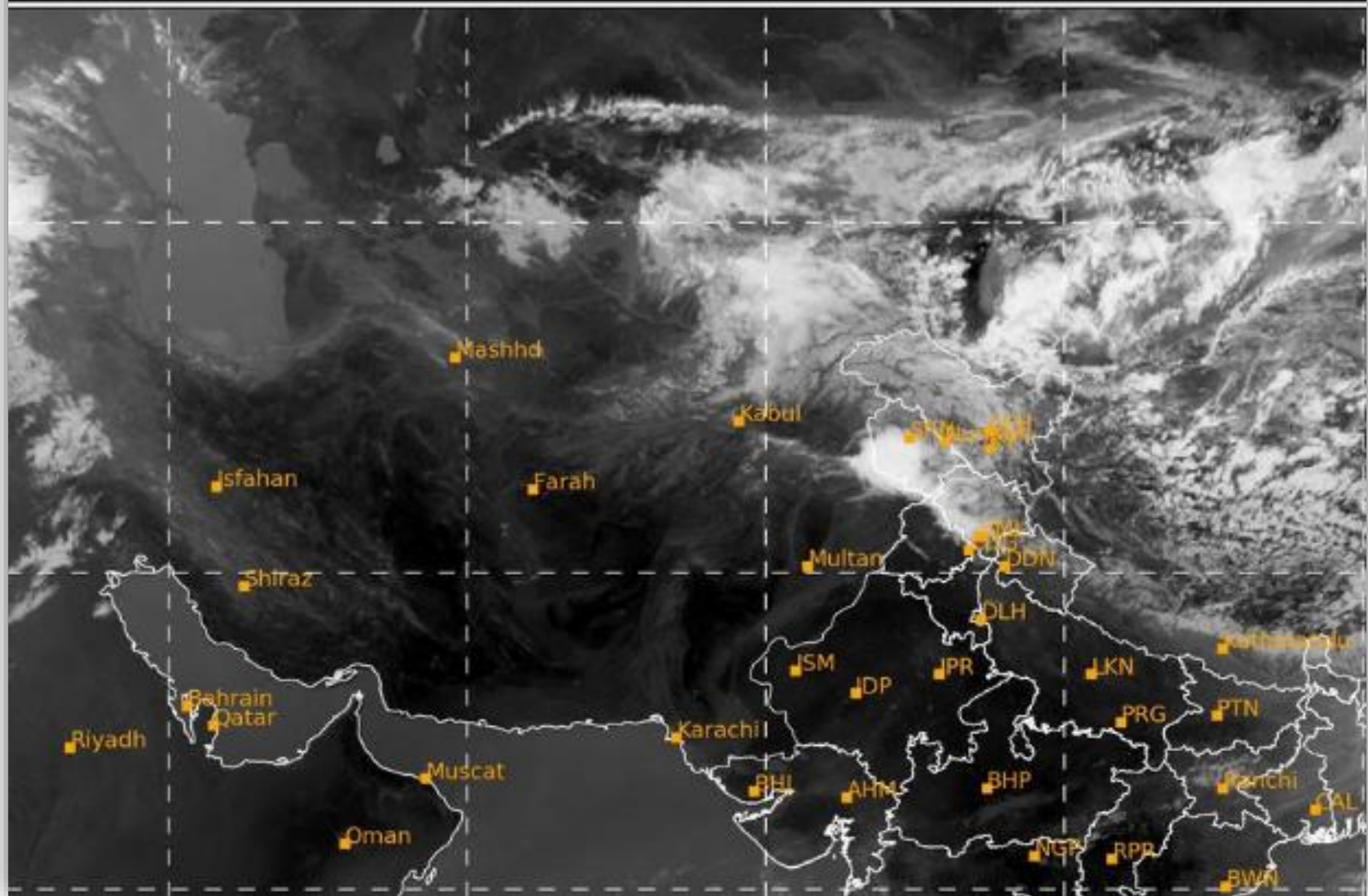


wet/cold

dry/warm

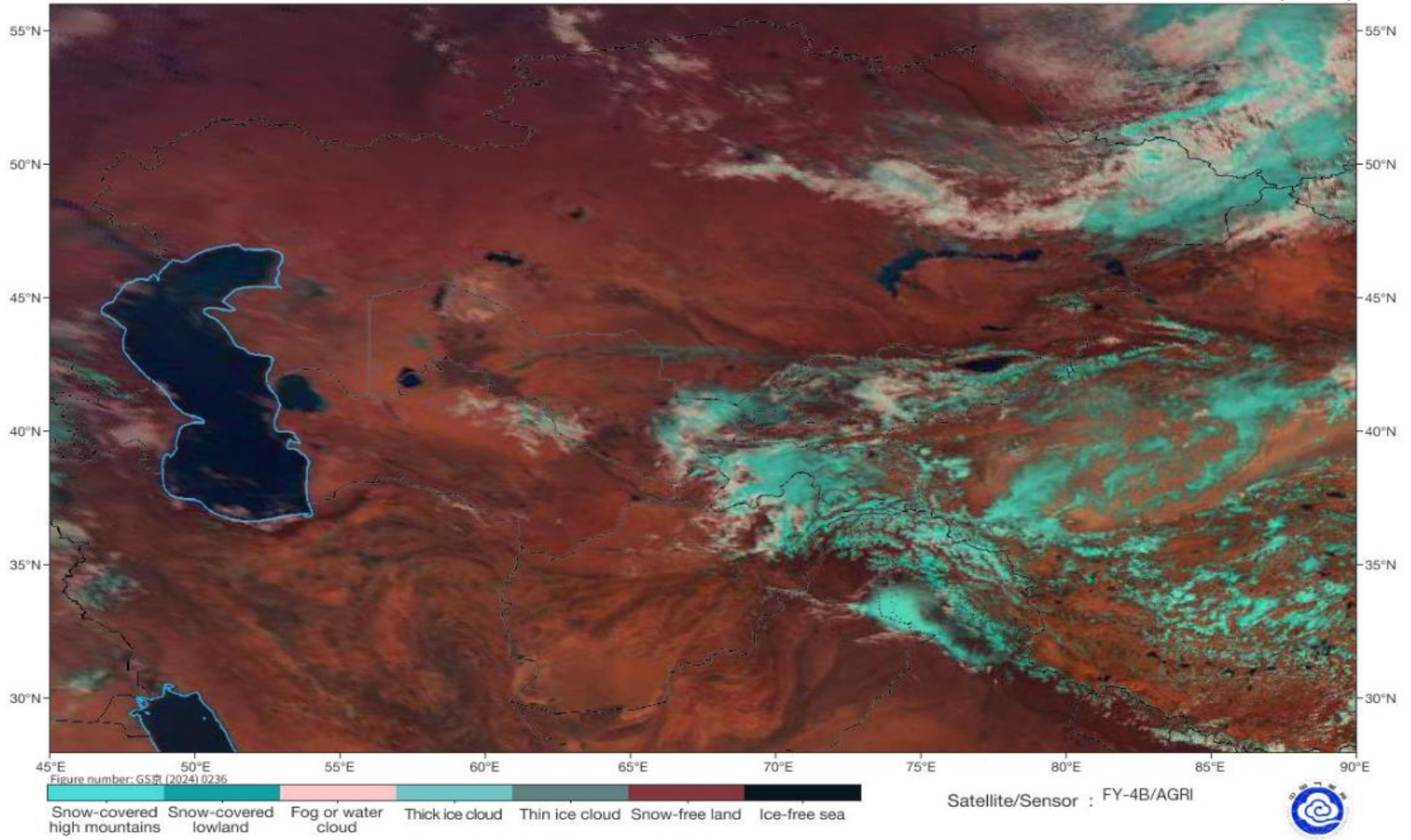
SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

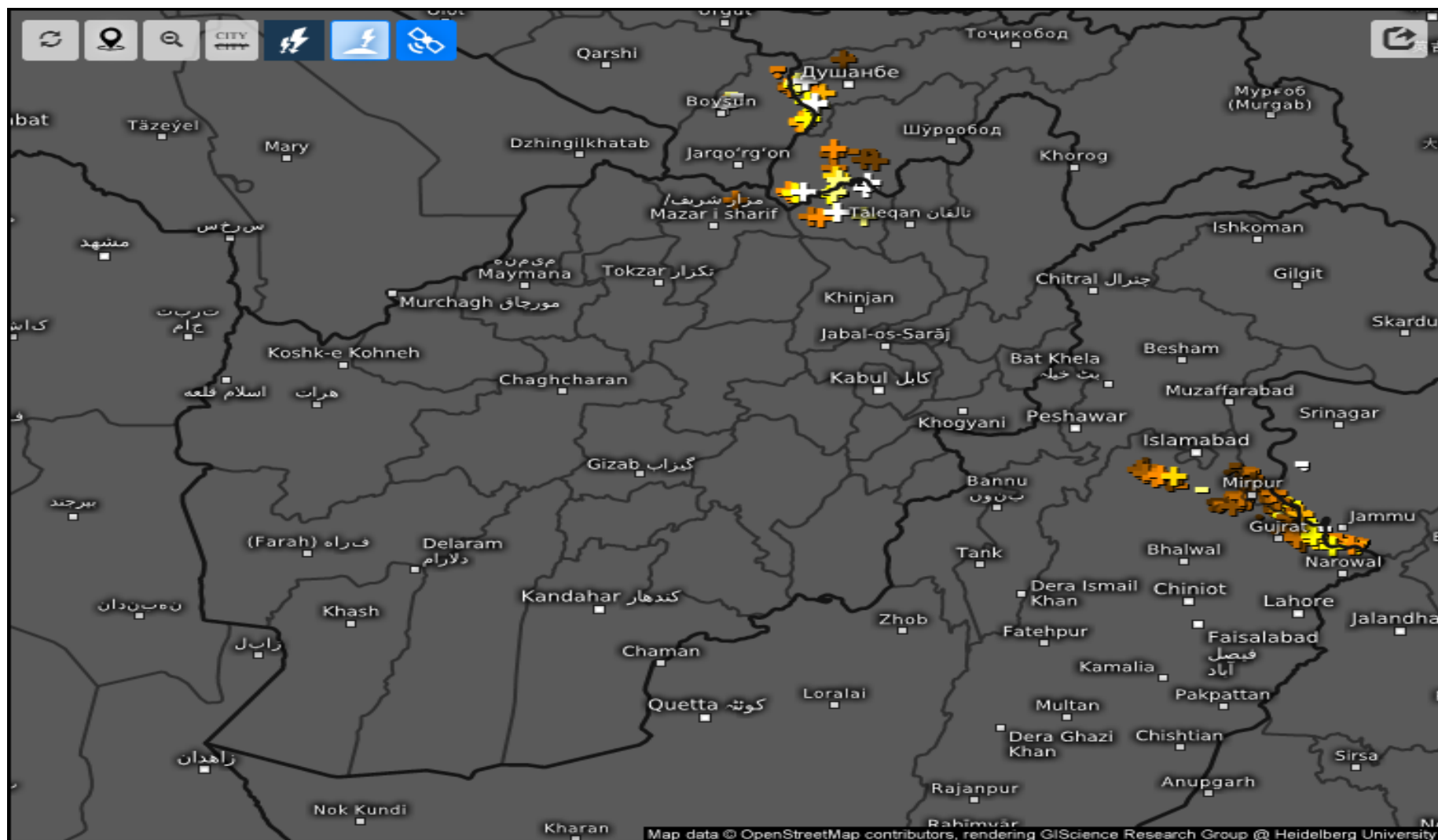
24-05-2026/(0445 to 0512) GMT
24-05-2026/(1015 to 1042) IST



Fog Identification

2026-05-24 05:30(UTC)





Age of lightning (minutes) i

Sun 05/24/2026, 10:15am GMT+0430

