



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



Daily reports of Satellite imagery analysis. Date & Time: 21-05-2026, 03:00 UTC

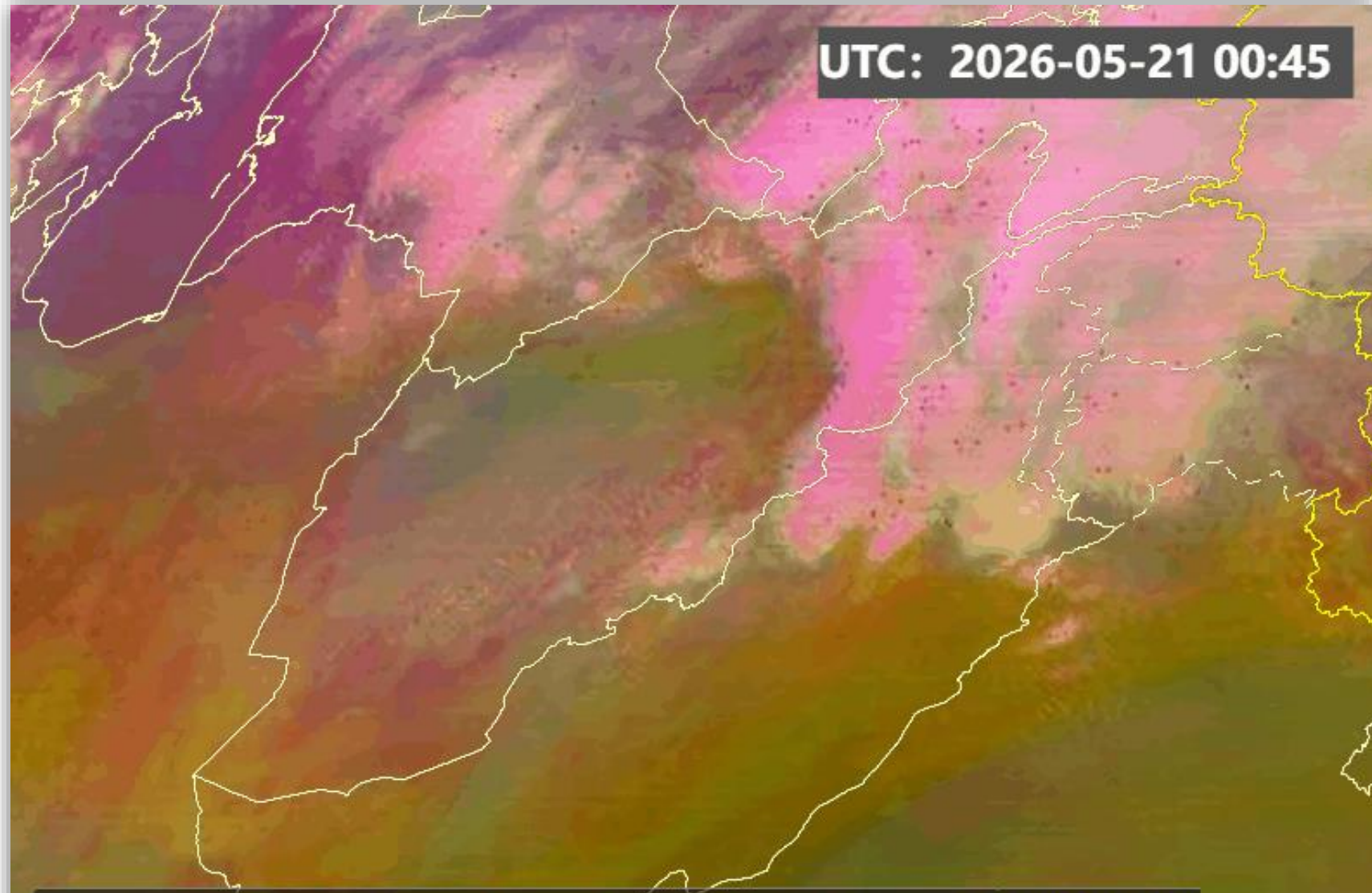
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	✓	✓	X	✓ moderate	X	X	
2	South	X	✓	X	X	X	✓ weak	X	X	
3	West	✓	✓	X	X	X	✓ moderate	X	X	dust
4	East	✓	X	✓	✓	X	✓ moderate	X	X	
5	central	✓	X	✓	✓	X	✓ moderate	X	X	
6	Northeast	✓	X	X	✓	X	✓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

Details: according to satellite imagery analysis, the northern, western, southeastern and northwestern area is warm air mass with (Low UTH). The eastern, central, northeastern regions have cold air mass. The southern, western, southeastern, northwestern and southwestern areas are weak dust. The northern, eastern, northwestern and central areas are thunder storm. The northern, eastern, central, northeastern, southeastern, and northwestern areas are cloudy sky. The northern, western, eastern, central, northeastern and northwestern areas are moderate water vapor the southern, southeastern and southwestern areas are weak water vapor. The southwestern area is Jetstream.

Reported by: Esmatullah Mohammadi

Not: X (Not existing phenomena) v (existing phenomena)

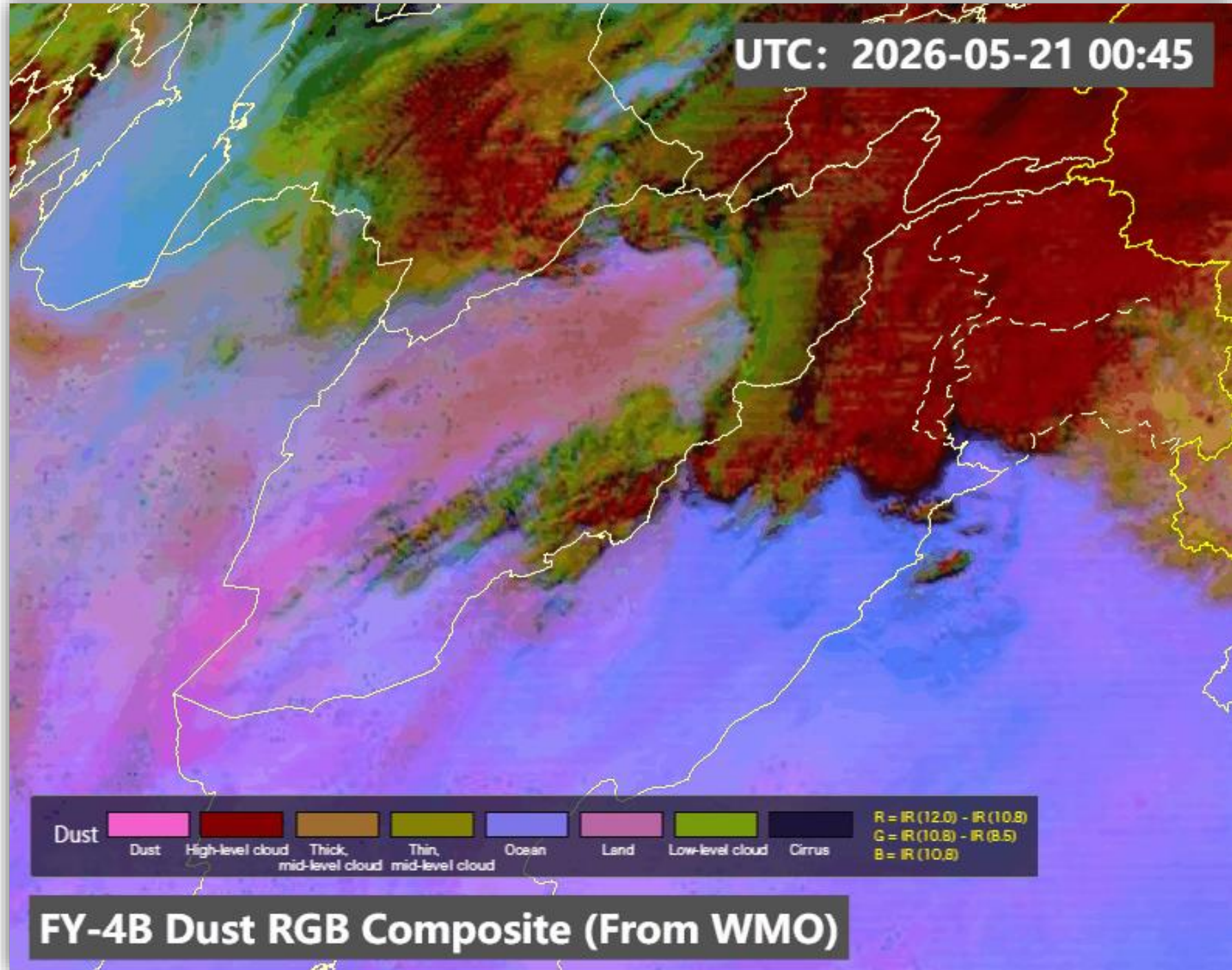
UTC: 2026-05-21 00:45



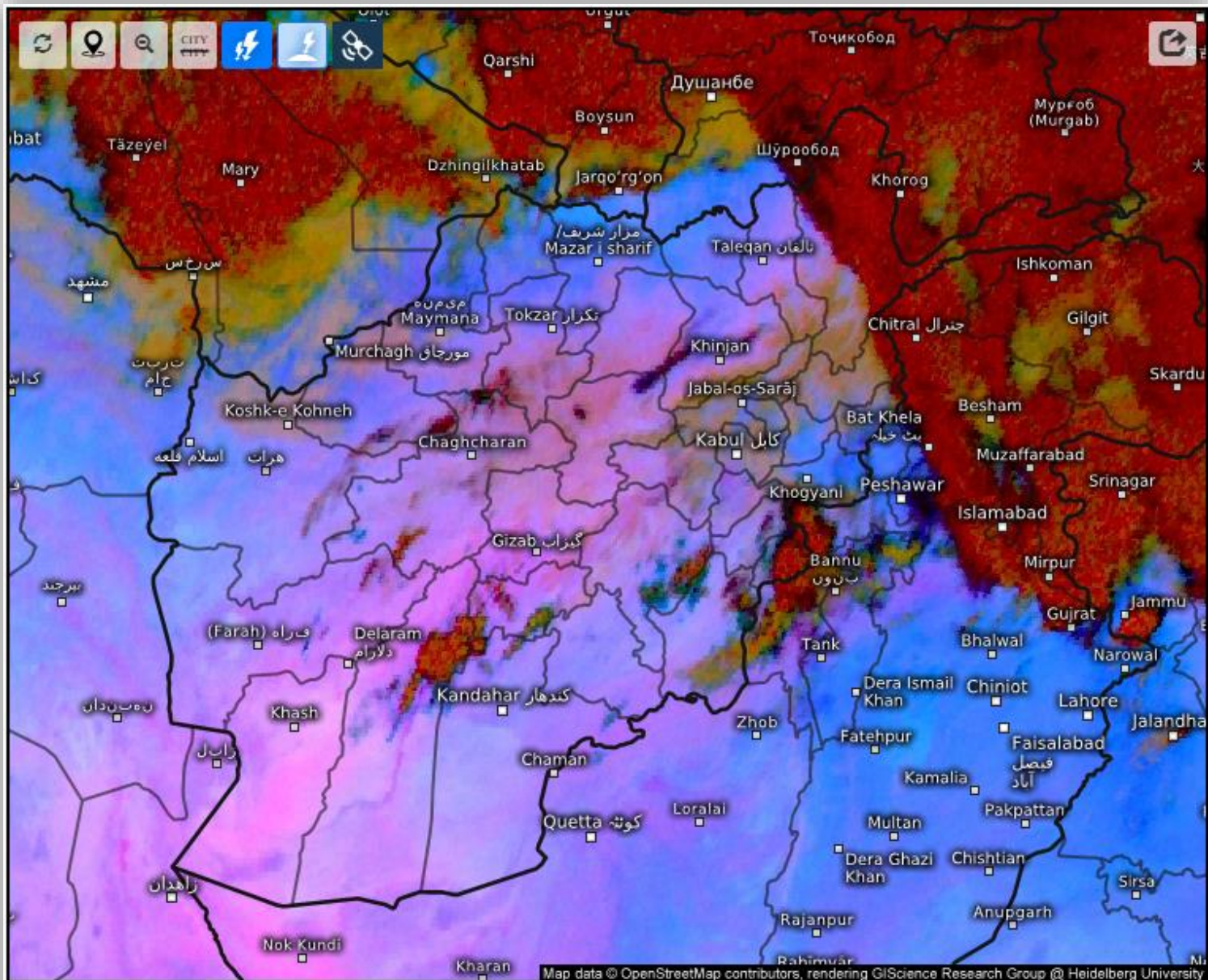
AirMass								R = WV (6.25) - WV (7.1)
	Thick, high-level cloud	Thick, mid-level cloud	Thick, low-level cloud	Jet	Cold Airmass	Warm Airmass (high UTH)	Warm Airmass (low UTH)	G = IR (8.5) - IR (10.8)
								B = WV (6.25)

FY-4B AirMass RGB Composite (From WMO)

UTC: 2026-05-21 00:45



FY-4B Dust RGB Composite (From WMO)

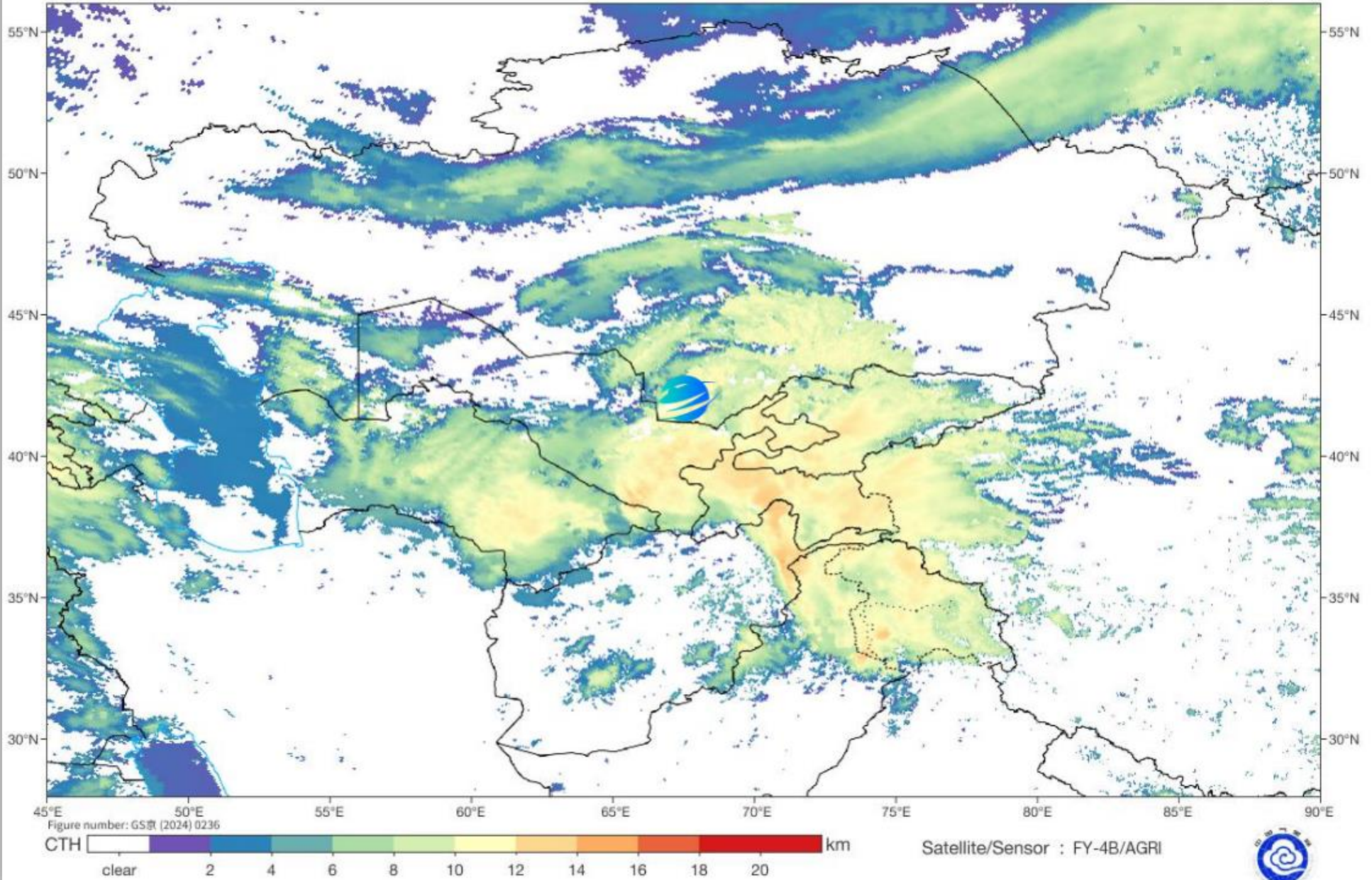


Satellite Dust

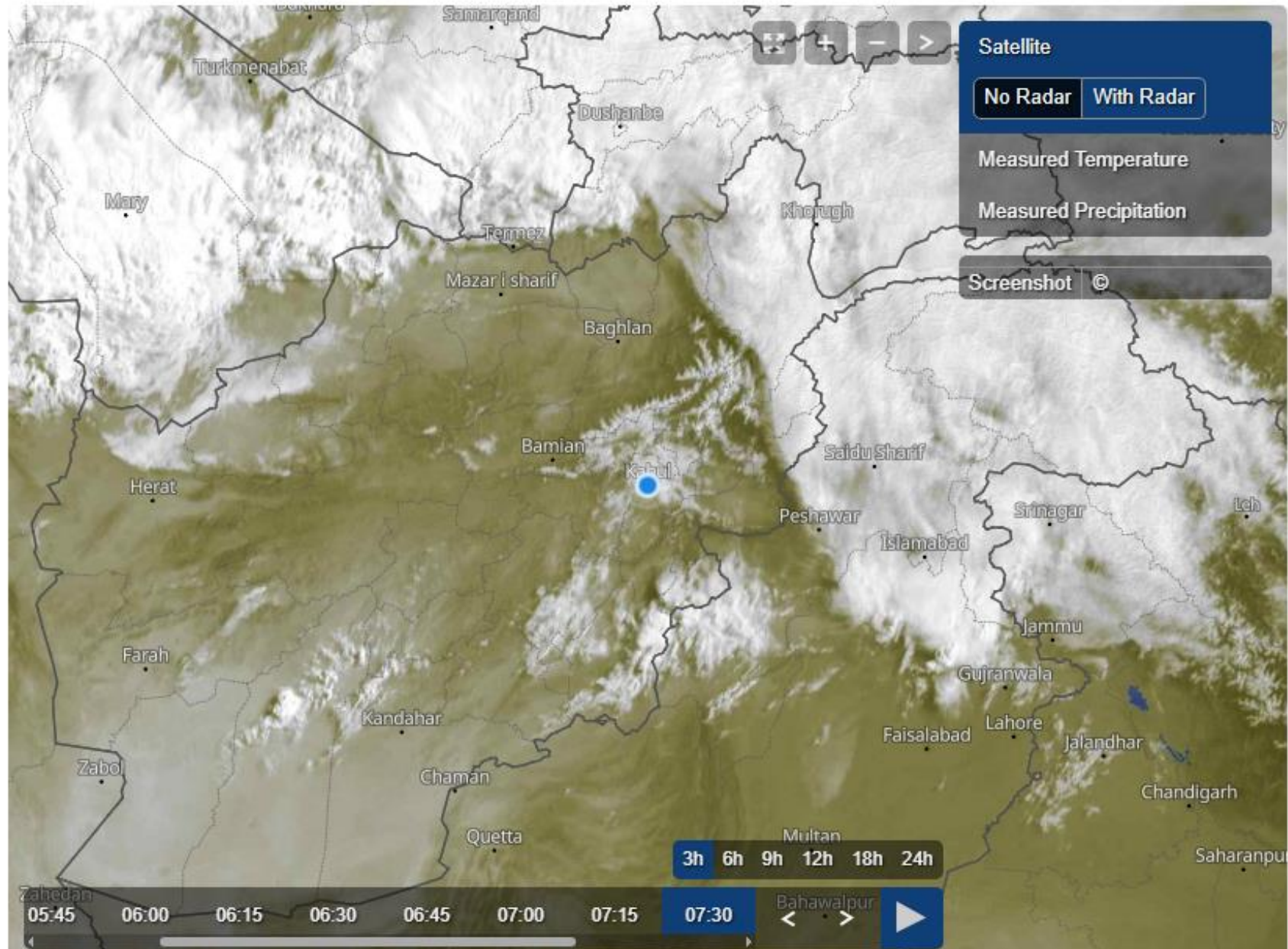
Thu 05/21/2026, 08:15am GMT+0430

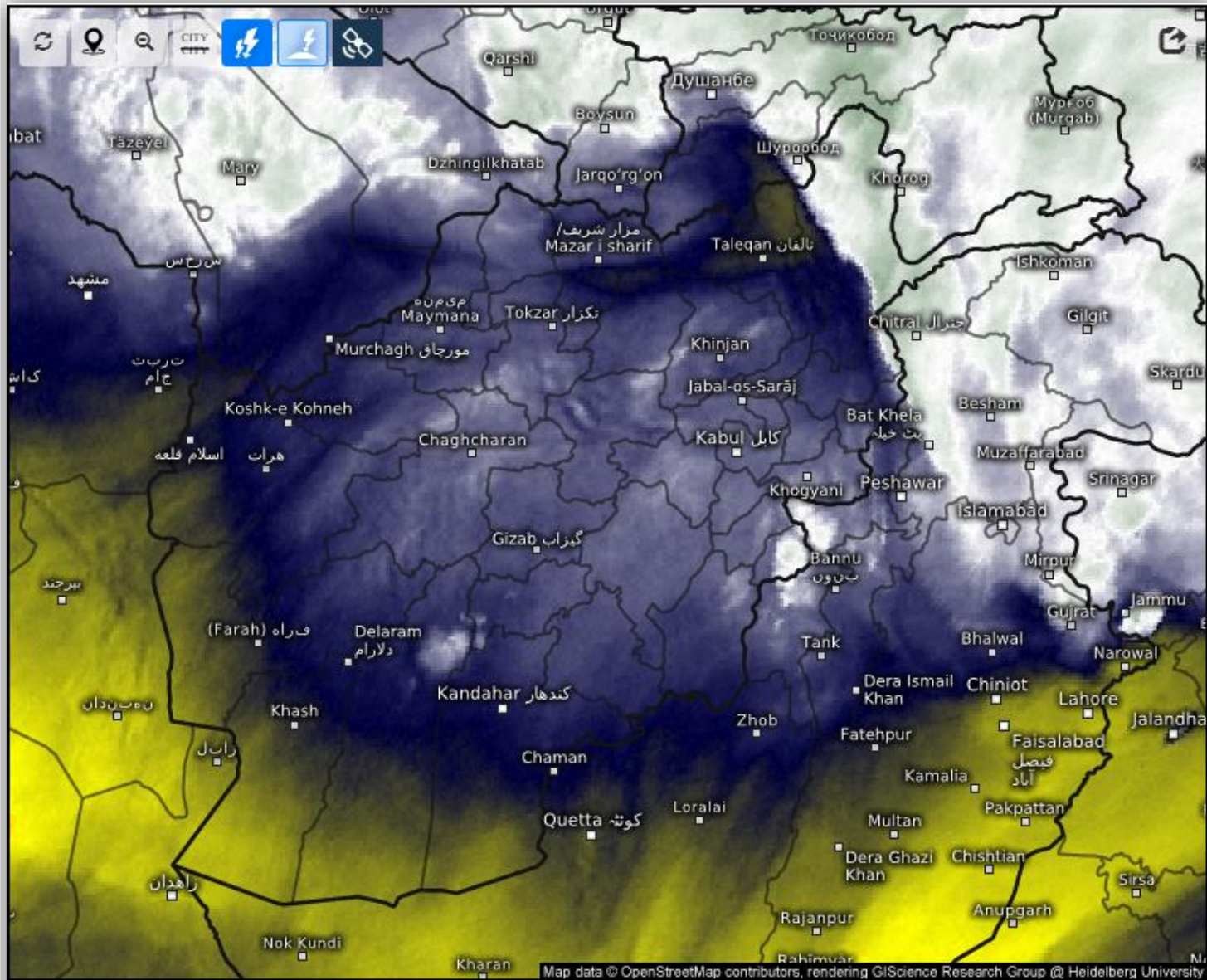
Cloud Top Height

2026-05-21 03:45(UTC)



Live satellite map, Afghanistan





Satellite Water Vapor

Thu 05/21/2026, 08:15am GMT+0430

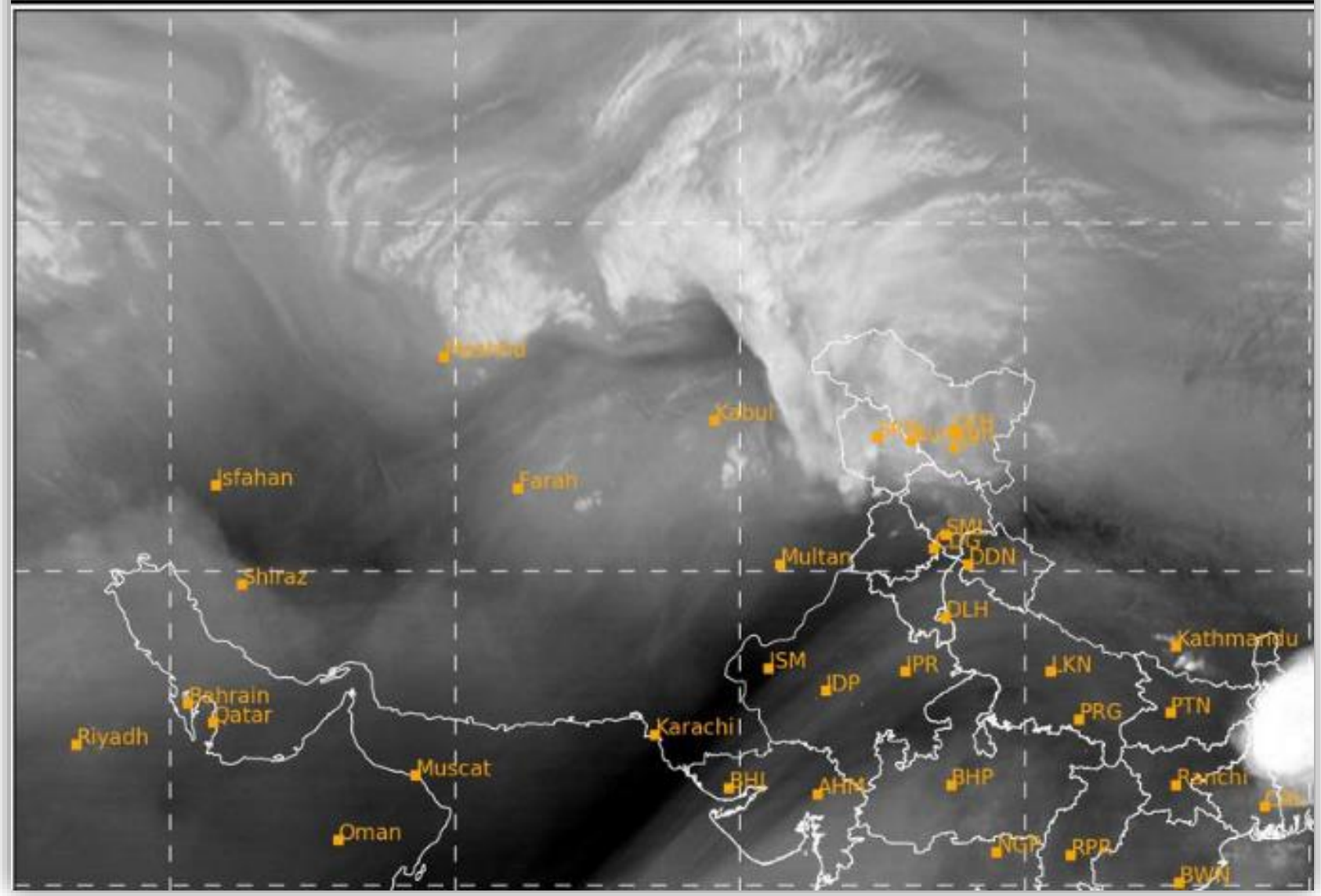


wet/cold

dry/warm

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

21-05-2026/(0315 to 0342) GMT
21-05-2026/(0845 to 0912) IST



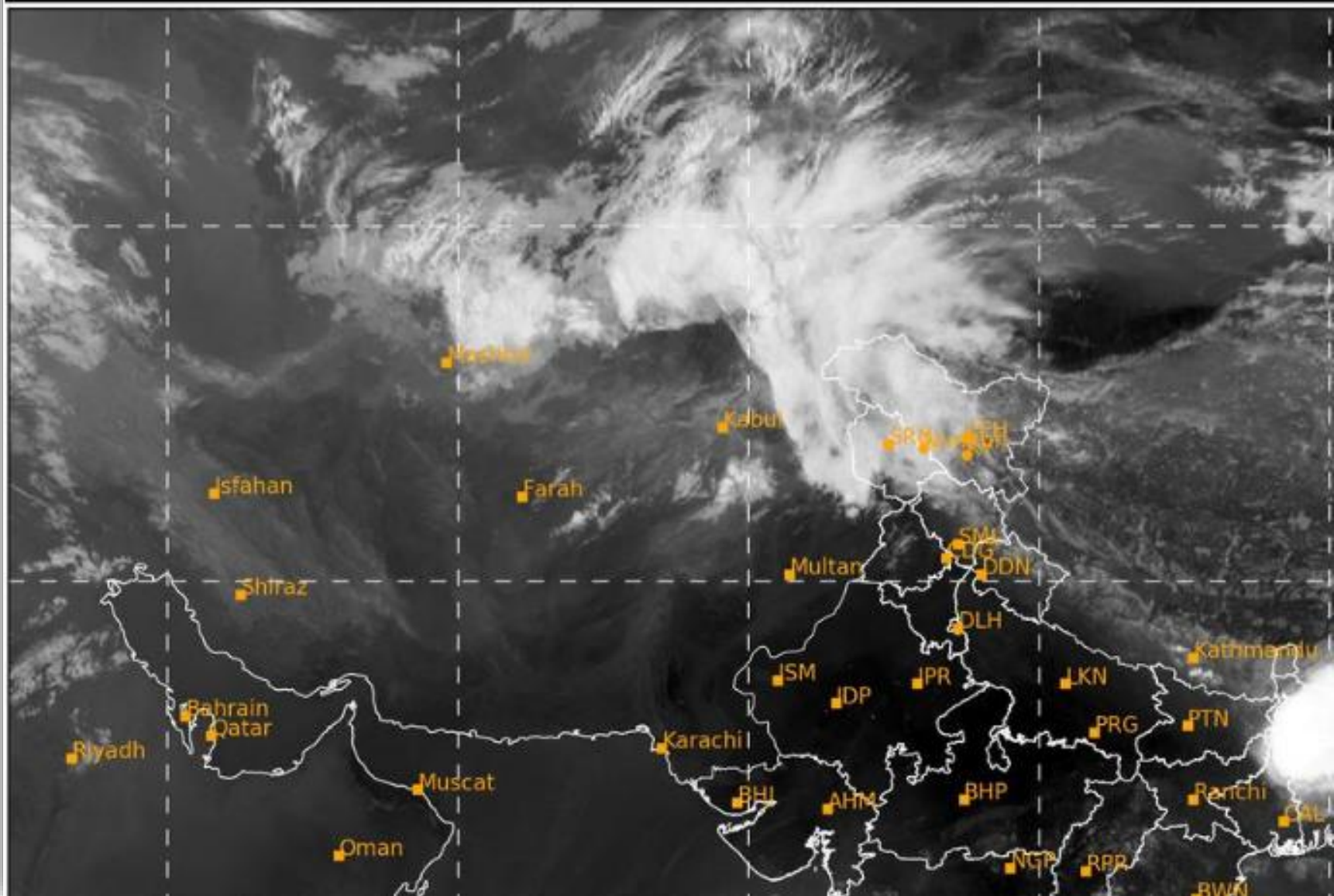
SAT : INSAT-3DR IMG

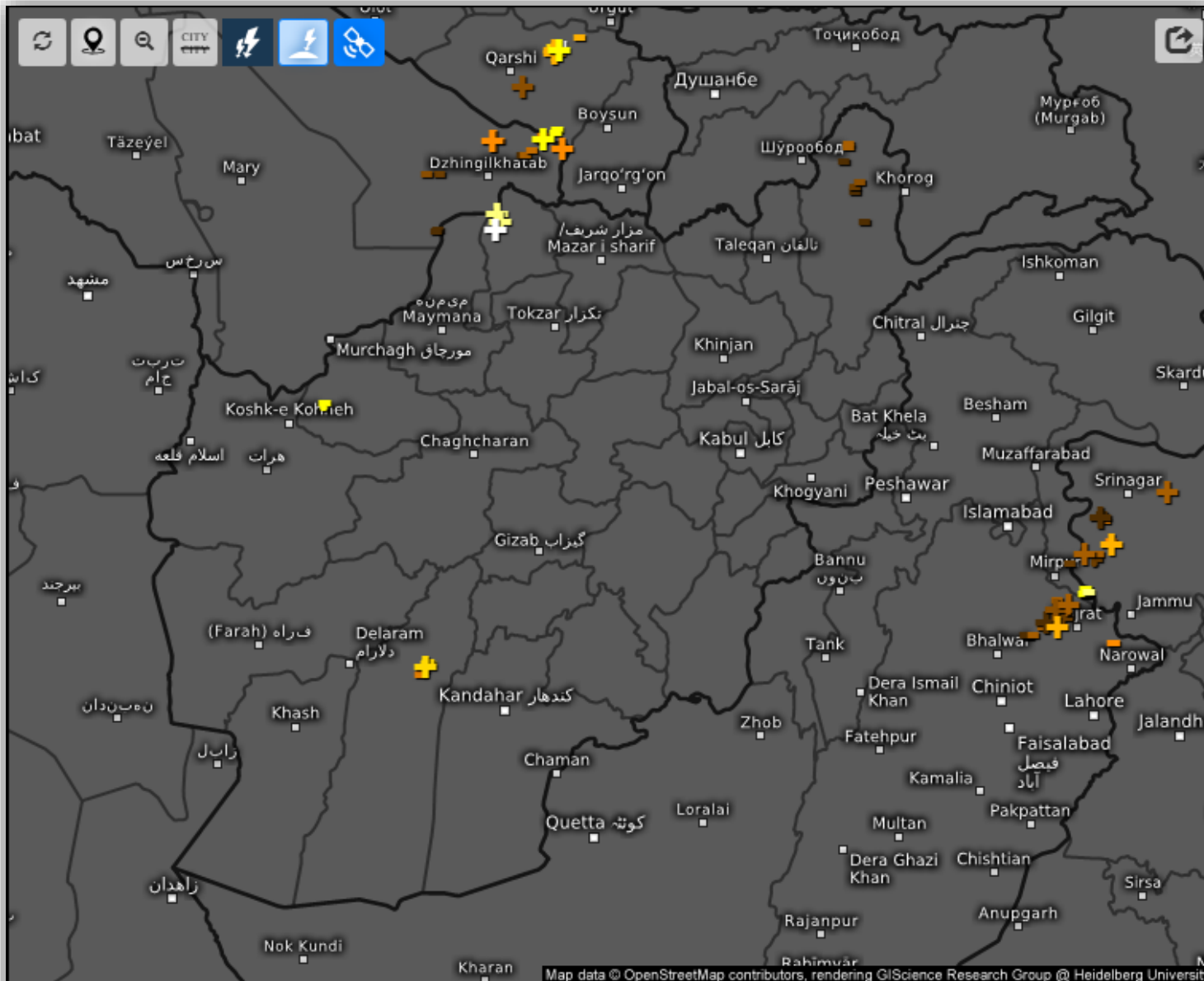
IMG_TIR1 10.8 um

L1C Mercator

21-05-2026/(0245 to 0312) GMT

21-05-2026/(0815 to 0842) IST





Age of lightning (minutes) 

Thu 05/21/2026, 08:30am GMT+0430

