



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



Daily reports of Satellite imagery analysis. Date & Time: 20-05-2026, 06:00 UTC

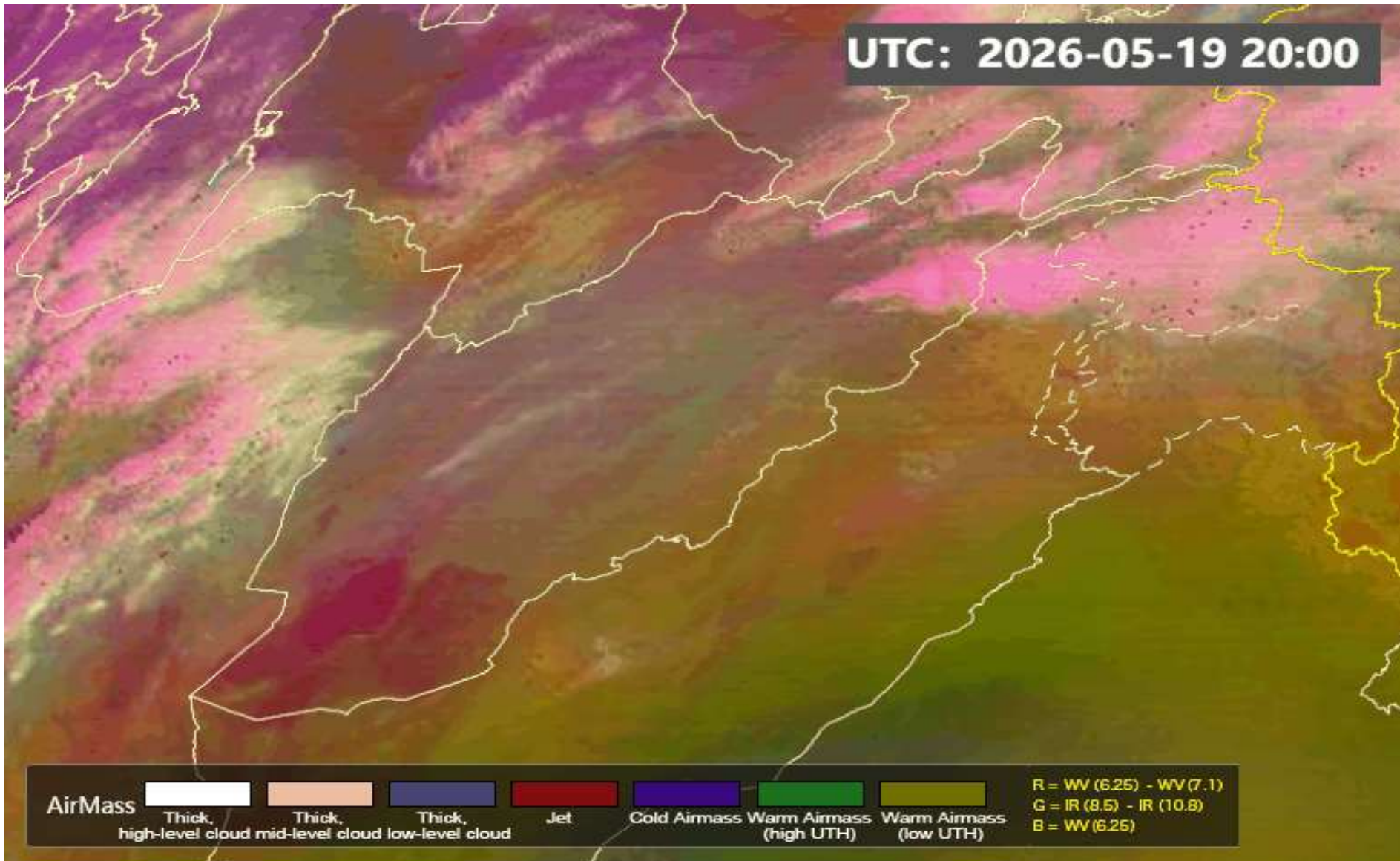
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	X	✓	X	✓ moderate	X	X	
2	South	✓	X	X	X	X	✓ weak	X	✓	
3	West	✓	✓	✓	✓	X	✓ moderate	X	X	
4	East	✓	X	✓	✓	X	✓ moderate	X	X	
5	central	✓	✓	X	✓	X	✓ moderate	X	X	
6	Northeast	✓	X	X	✓	X	✓ moderate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

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

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

Reported by: Esmatullah Mohammadi

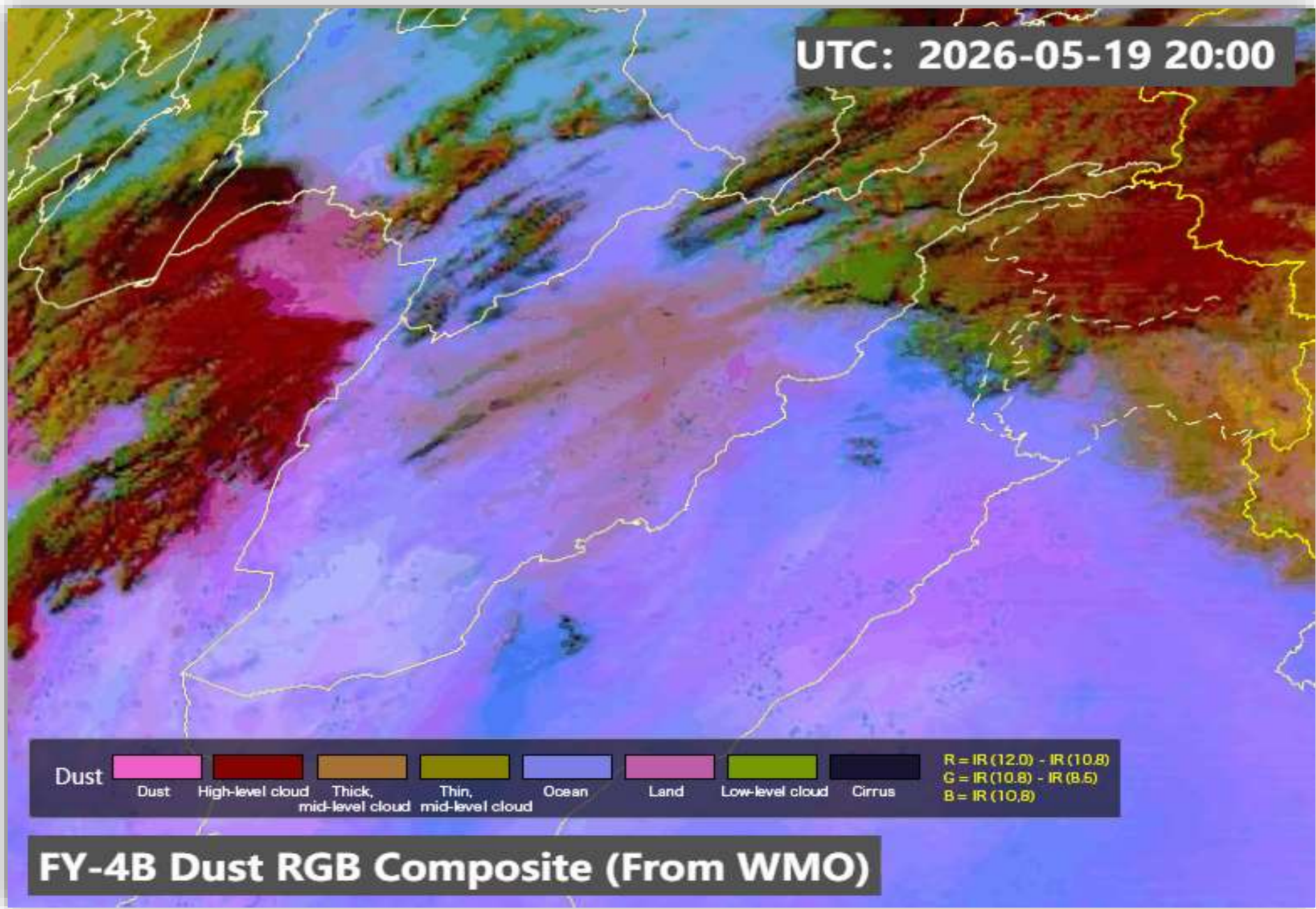
UTC: 2026-05-19 20:00



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: 2026-05-19 20:00



Dust

								$R = IR(12.0) - IR(10.8)$
Dust	High-level cloud	Thick, mid-level cloud	Thin, mid-level cloud	Ocean	Land	Low-level cloud	Cirrus	$G = IR(10.8) - IR(8.5)$
								$B = IR(10.8)$

FY-4B Dust RGB Composite (From WMO)

Sand And Dust Identification

2026-05-20 05:30(UTC)

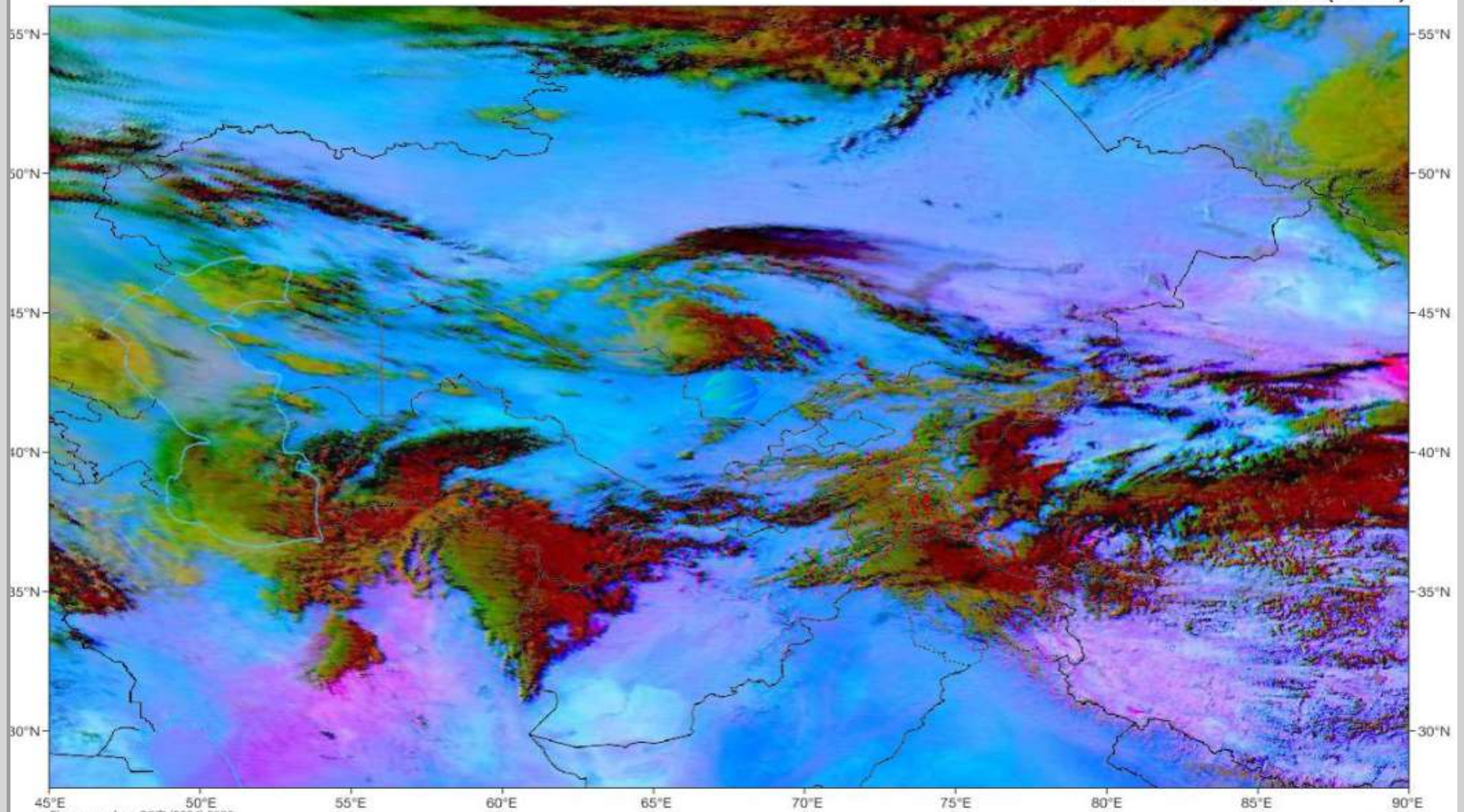


Figure number: GS ㄸ (2024) 0236

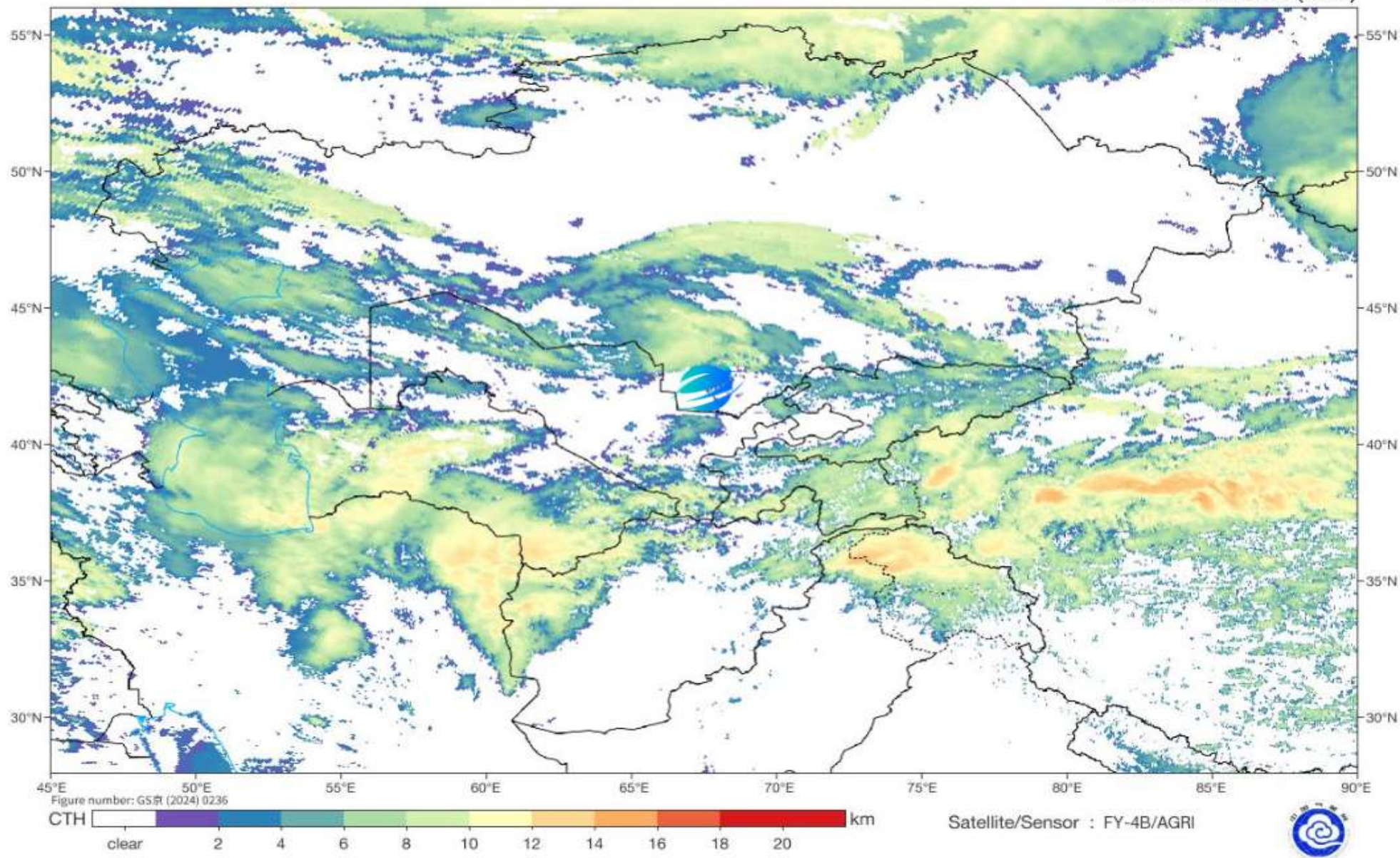


Satellite/Sensor : FY-4B/AGRI

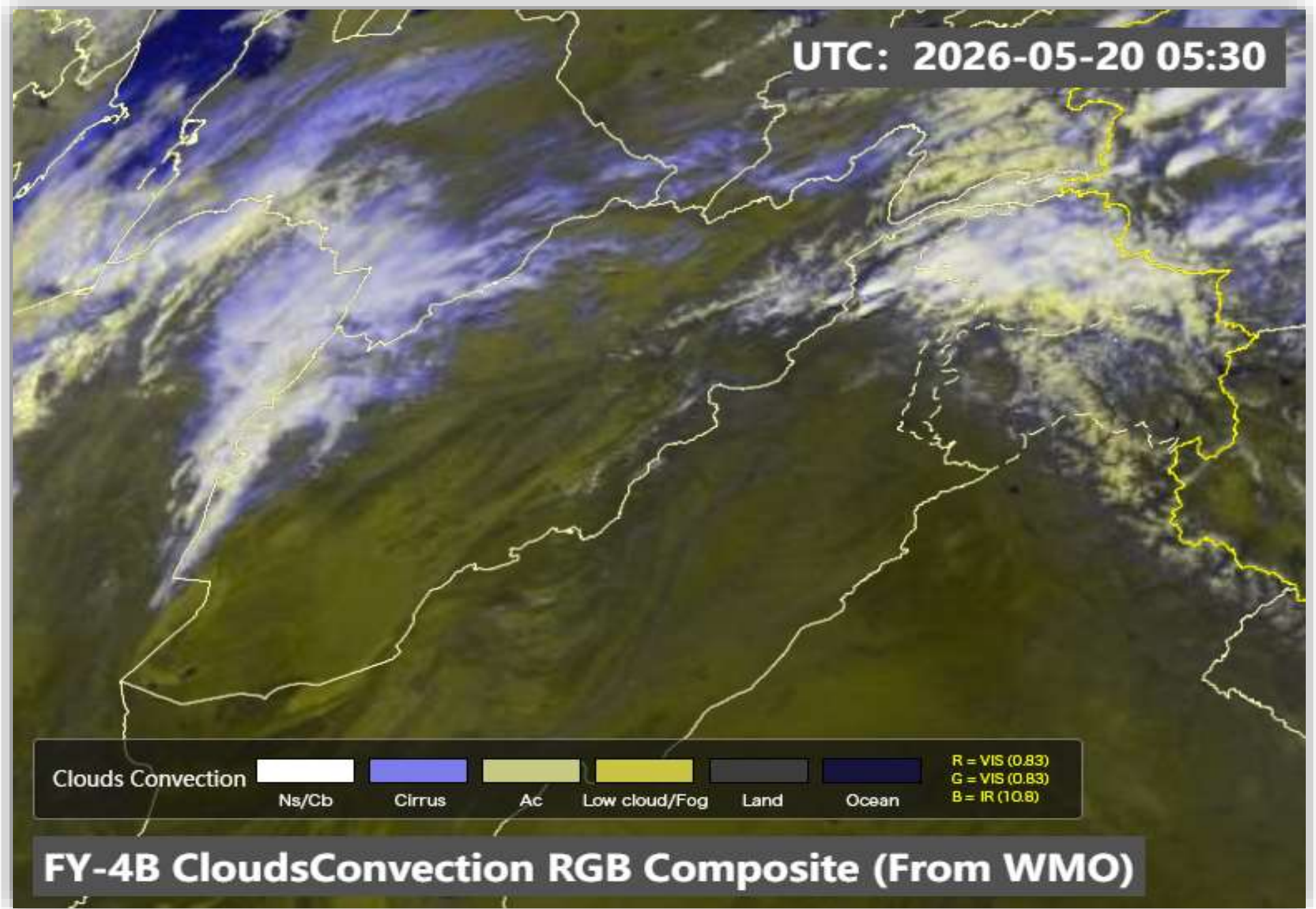


Cloud Top Height

2026-05-20 05:15(UTC)



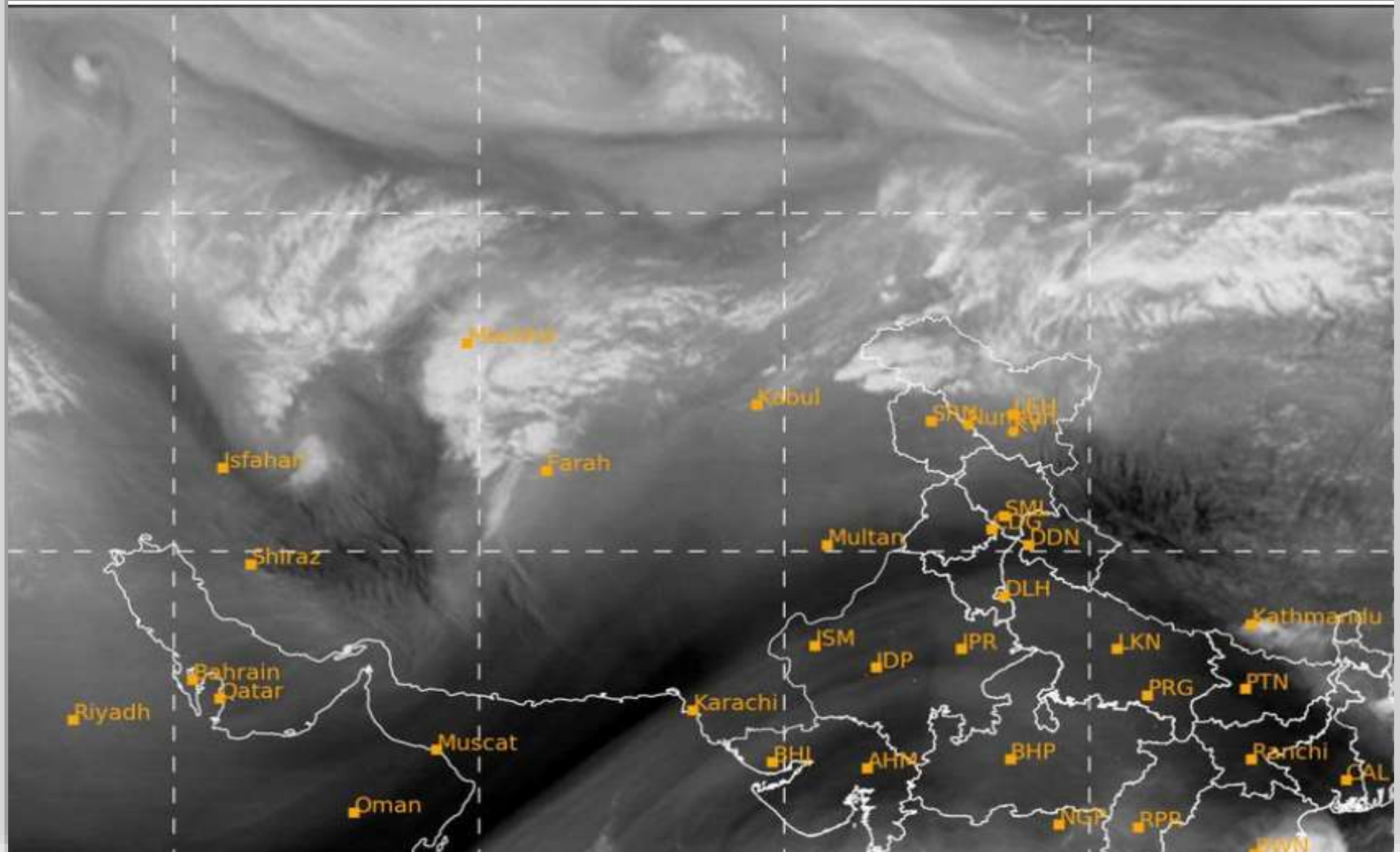
UTC: 2026-05-20 05:30

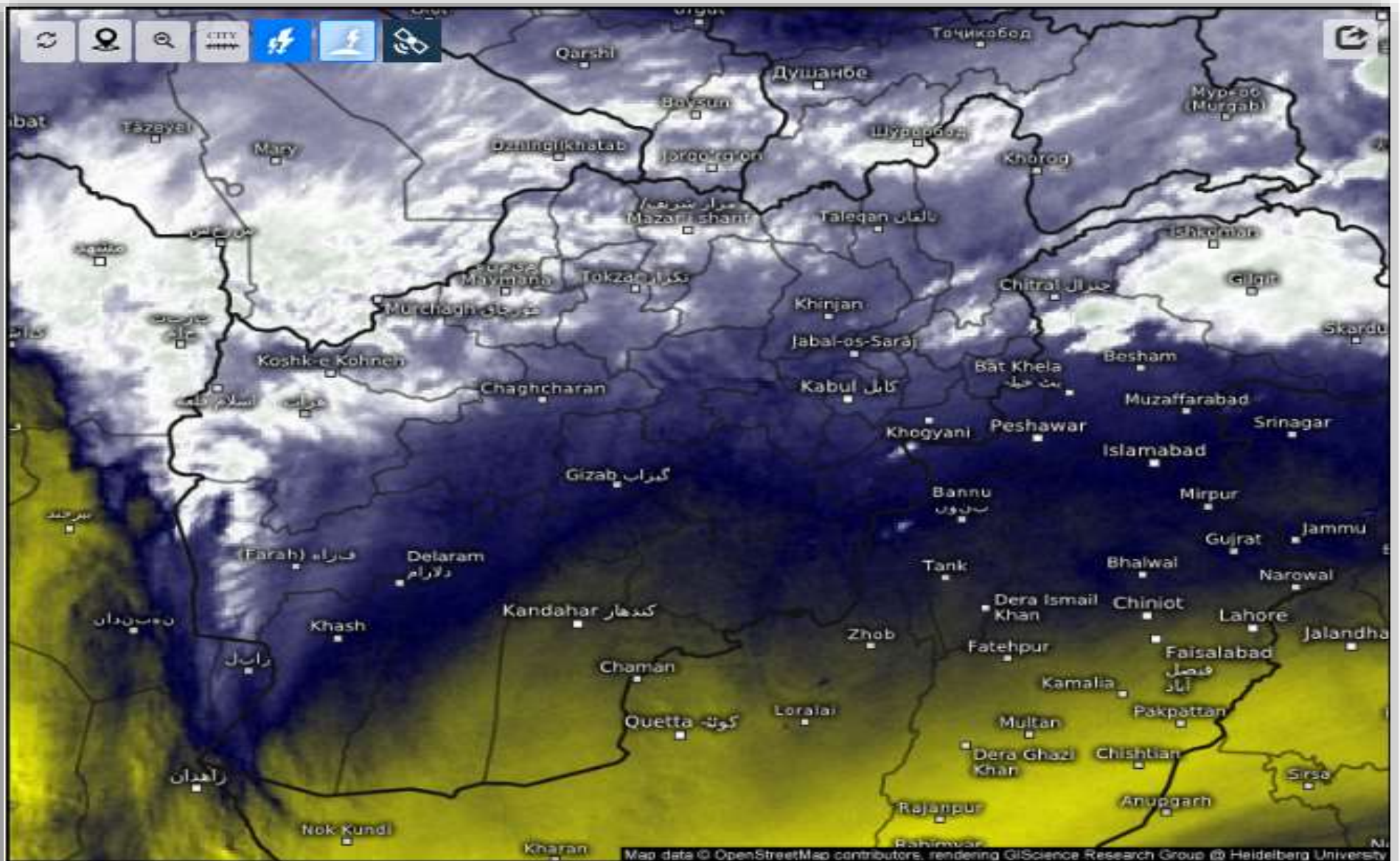


FY-4B CloudsConvection RGB Composite (From WMO)

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

20-05-2026/(0415 to 0442) GMT
20-05-2026/(0945 to 1012) IST





Satellite Water Vapor

Wed 05/20/2026, 10:00am GMT+0430



wet/cold

dry/warm

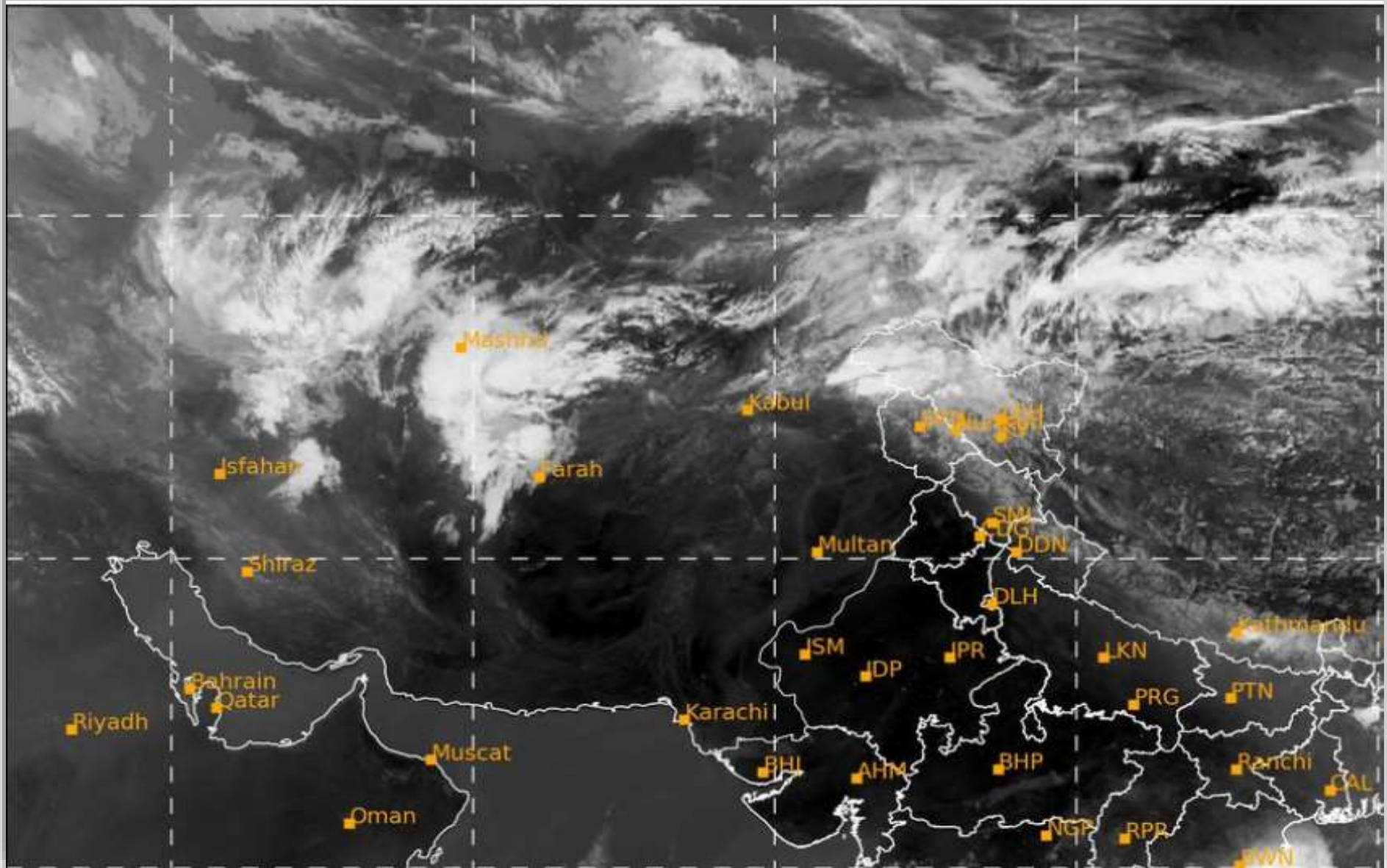
SAT : INSAT-3DR IMG

IMG_TIR1 10.8 um

L1C Mercator

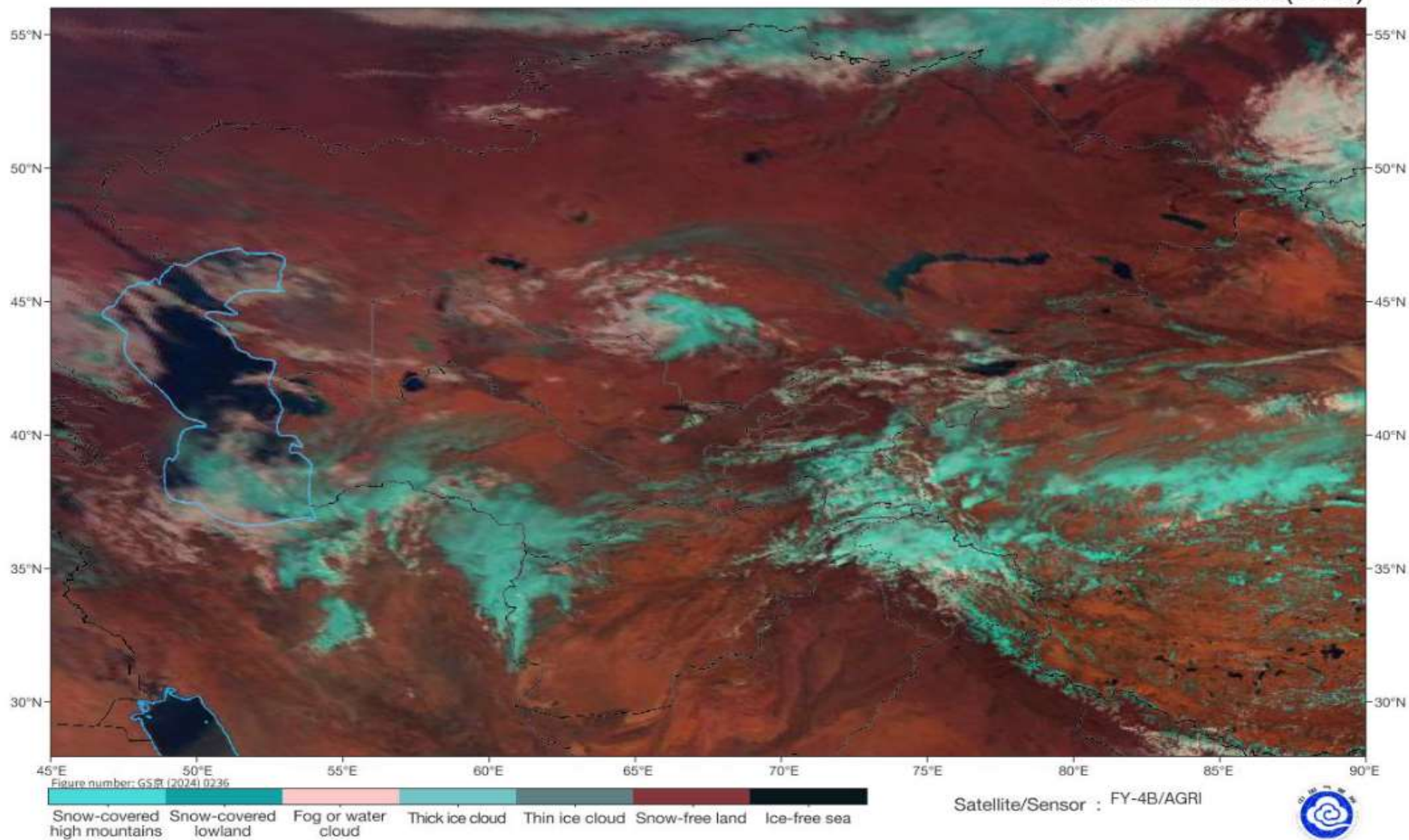
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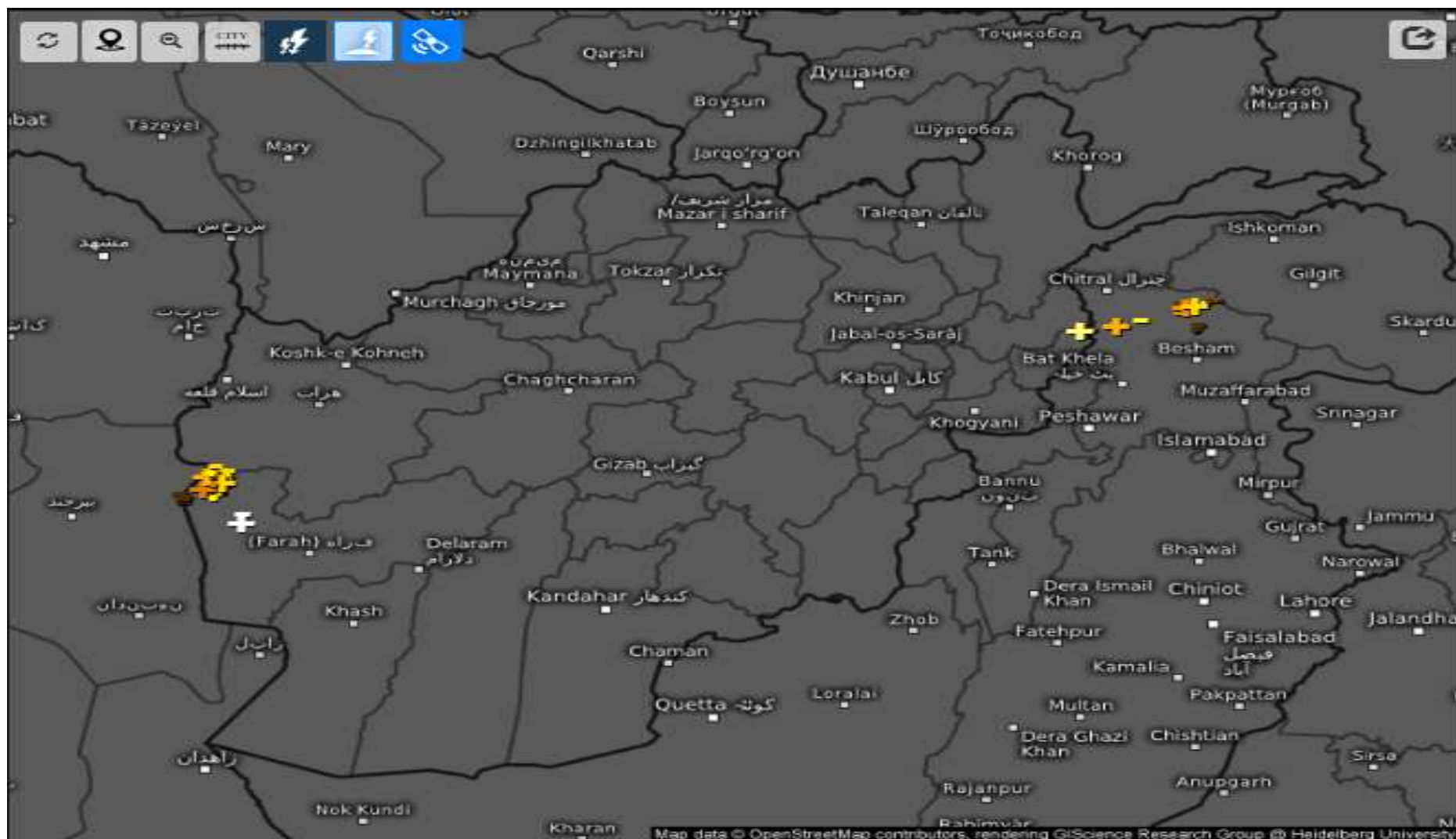
20-05-2026/(0945 to 1012) IST



Fog Identification

2026-05-20 05:30(UTC)





Age of lightning (minutes) ⓘ

Wed 05/20/2026, 10:20am GMT+0430

