



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



Daily reports of Satellite imagery analysis. Date & Time: 18-05-2026, 06:00 UTC

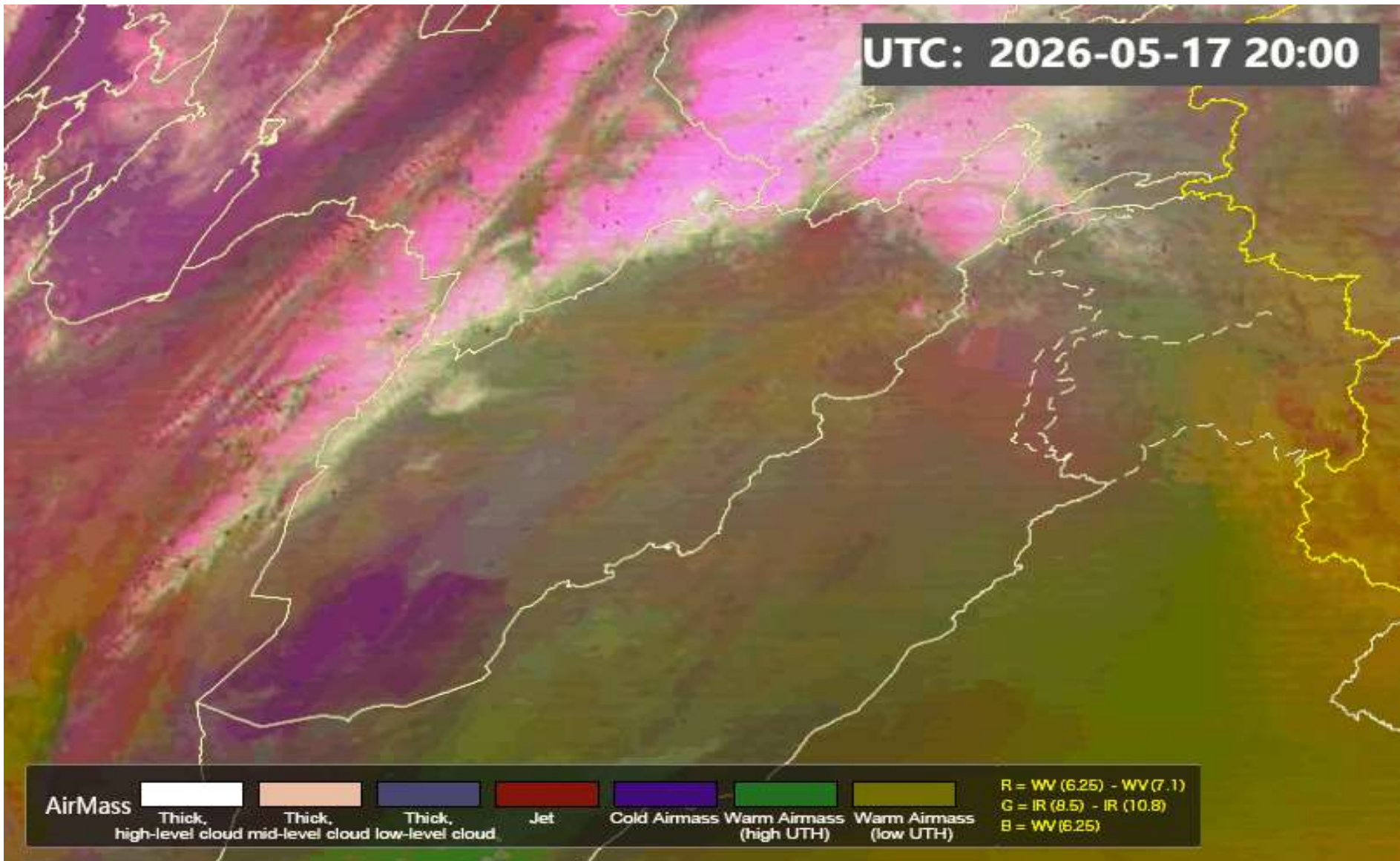
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	✓	X	✓	X	✓ moderate	X	X	
2	South	✓	X	X	X	X	✓ moderate	X	X	
3	West	✓	✓	X	X	X	✓ weak	X	X	
4	East	✓	X	X	✓	X	✓ moderate	X	X	
5	central	✓	✓	X	✓	X	✓ moderate	X	X	
6	Northeast	✓	X	X	✓	X	✓ moderate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

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

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

Reported by: Esmatullah Mohammadi

UTC: 2026-05-17 20:00

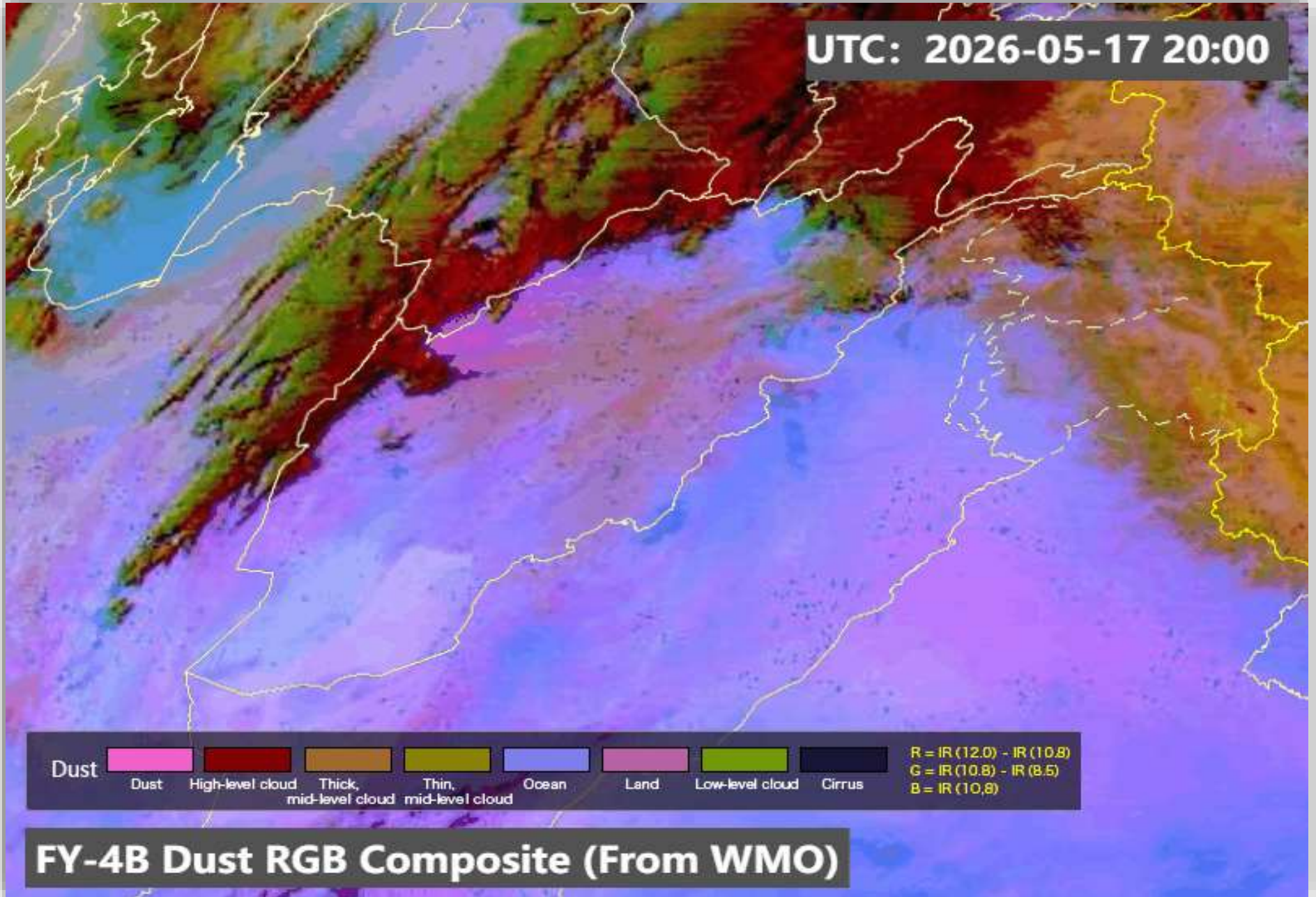


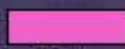
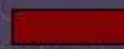
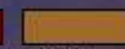
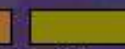
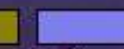
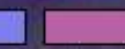
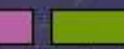

AirMass Thick, high-level cloud Thick, mid-level cloud Thick, low-level cloud Jet Cold Airmass Warm Airmass (high UTH) Warm Airmass (low UTH)

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)

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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

2026-05-18 05:30(UTC)

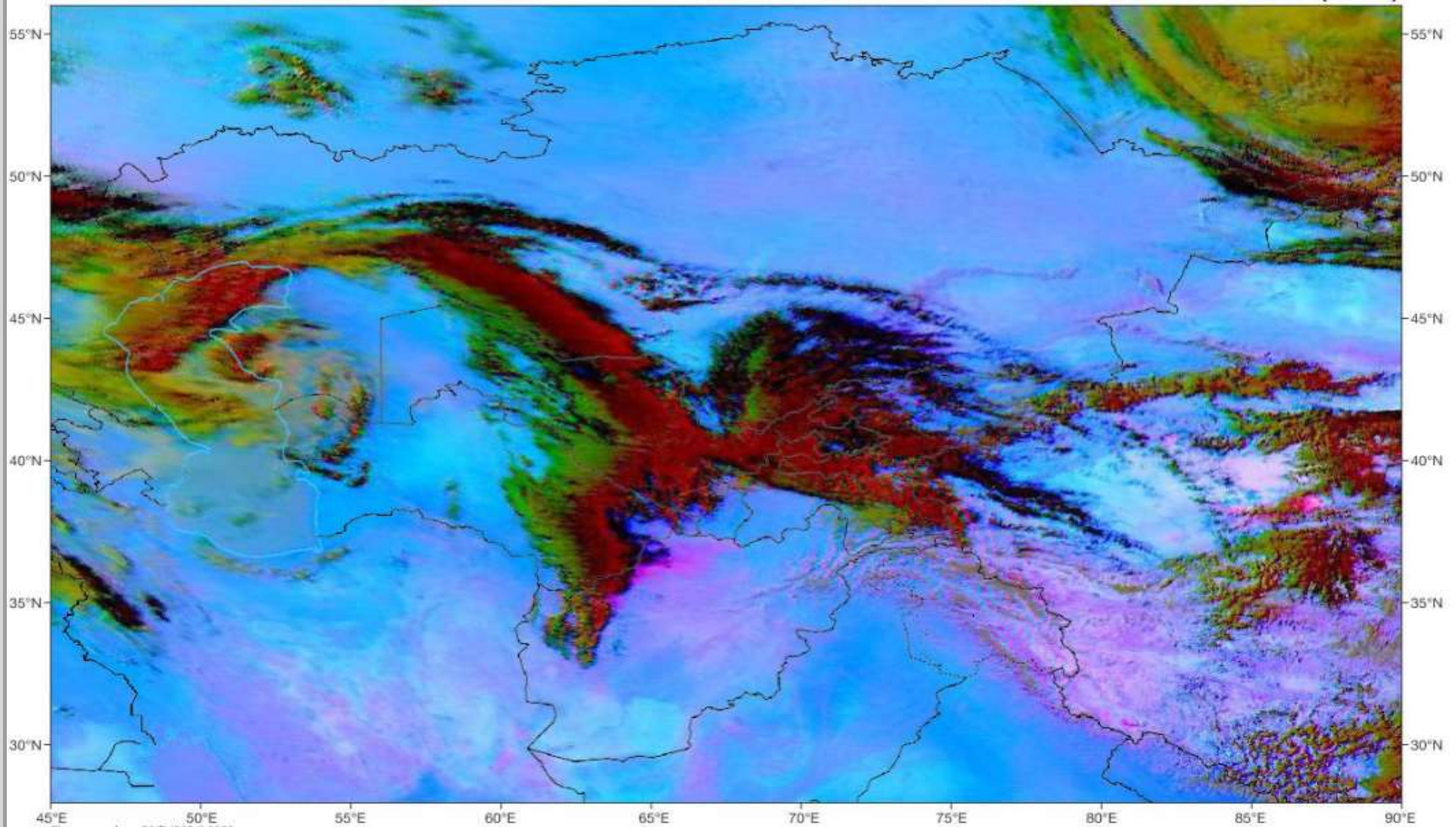


Figure number: GSRT (2024) 0236

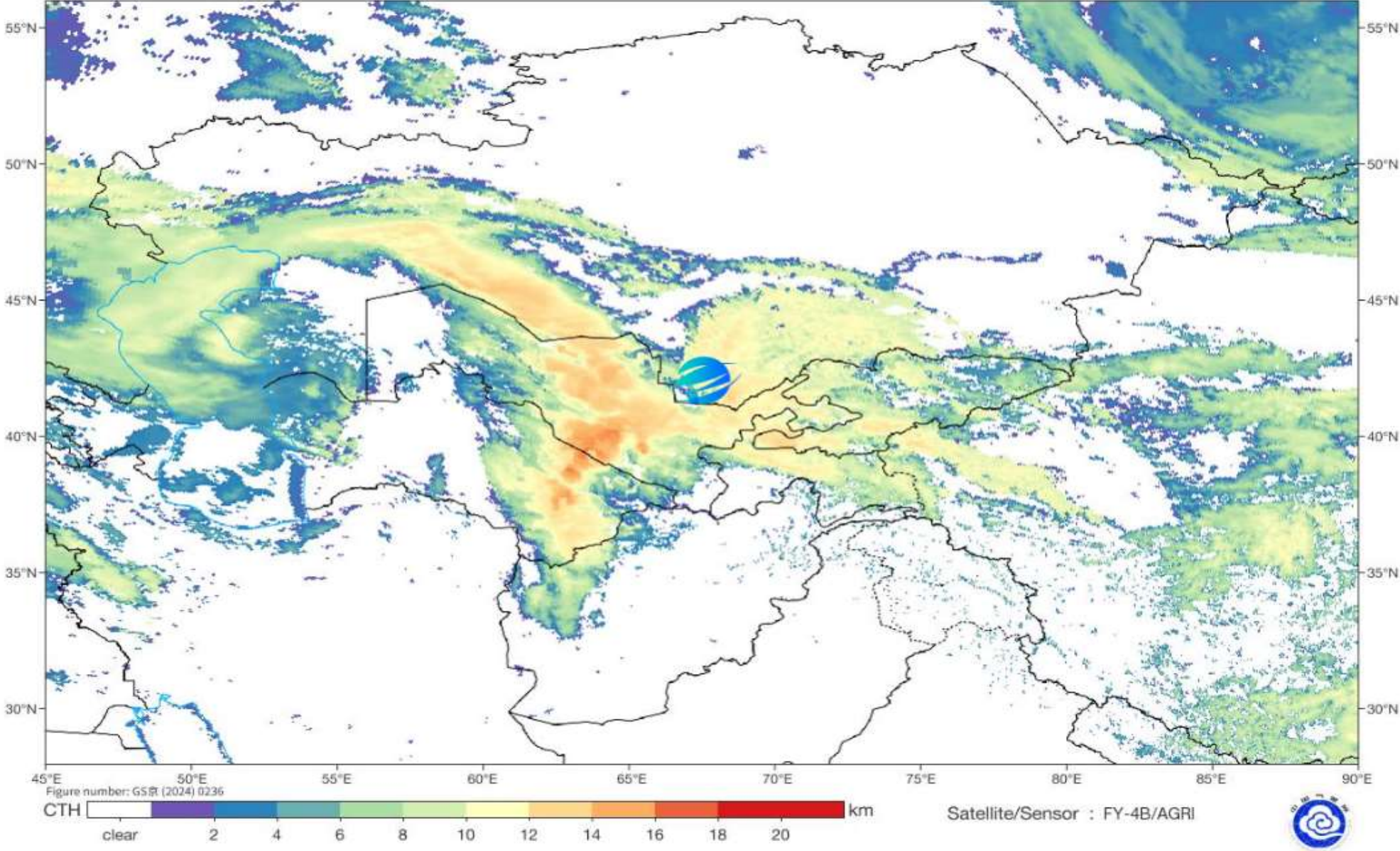


Satellite/Sensor : FY-4B/AGRI

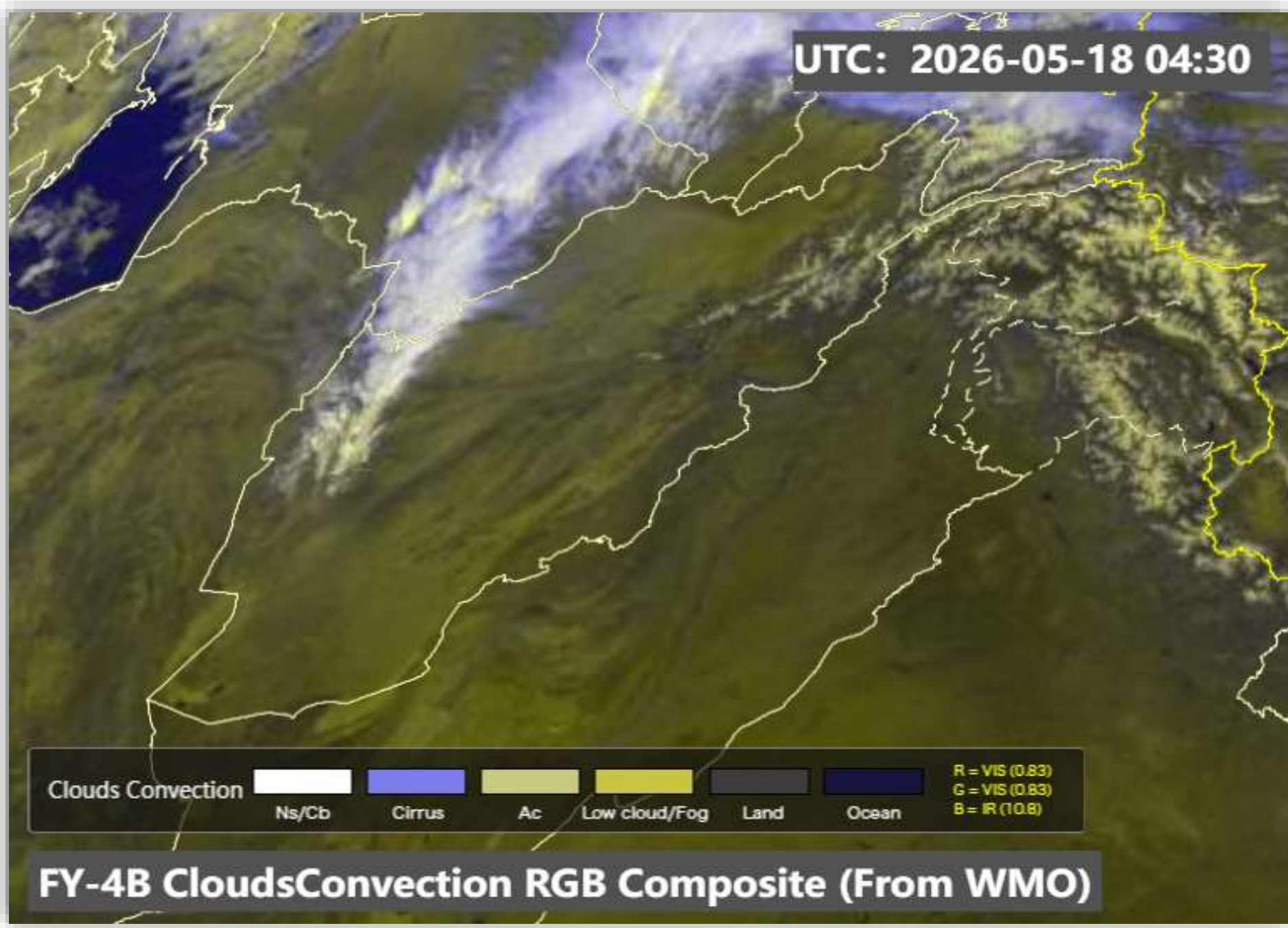


Cloud Top Height

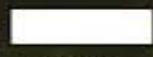
2026-05-18 05:30(UTC)



UTC: 2026-05-18 04:30



Clouds Convection



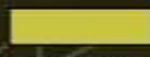
Ns/Cb



Cirrus



Ac



Low cloud/Fog



Land



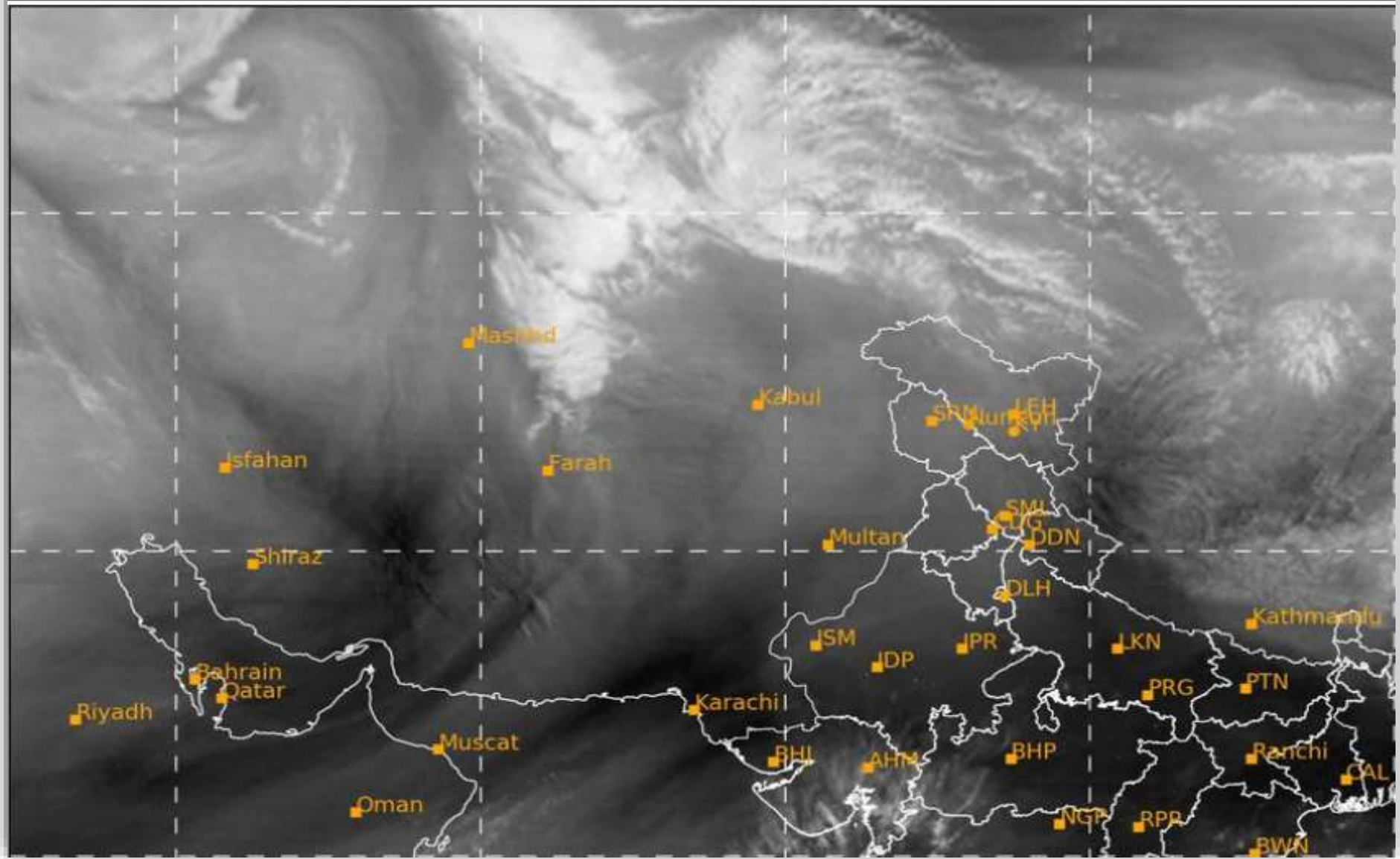
Ocean

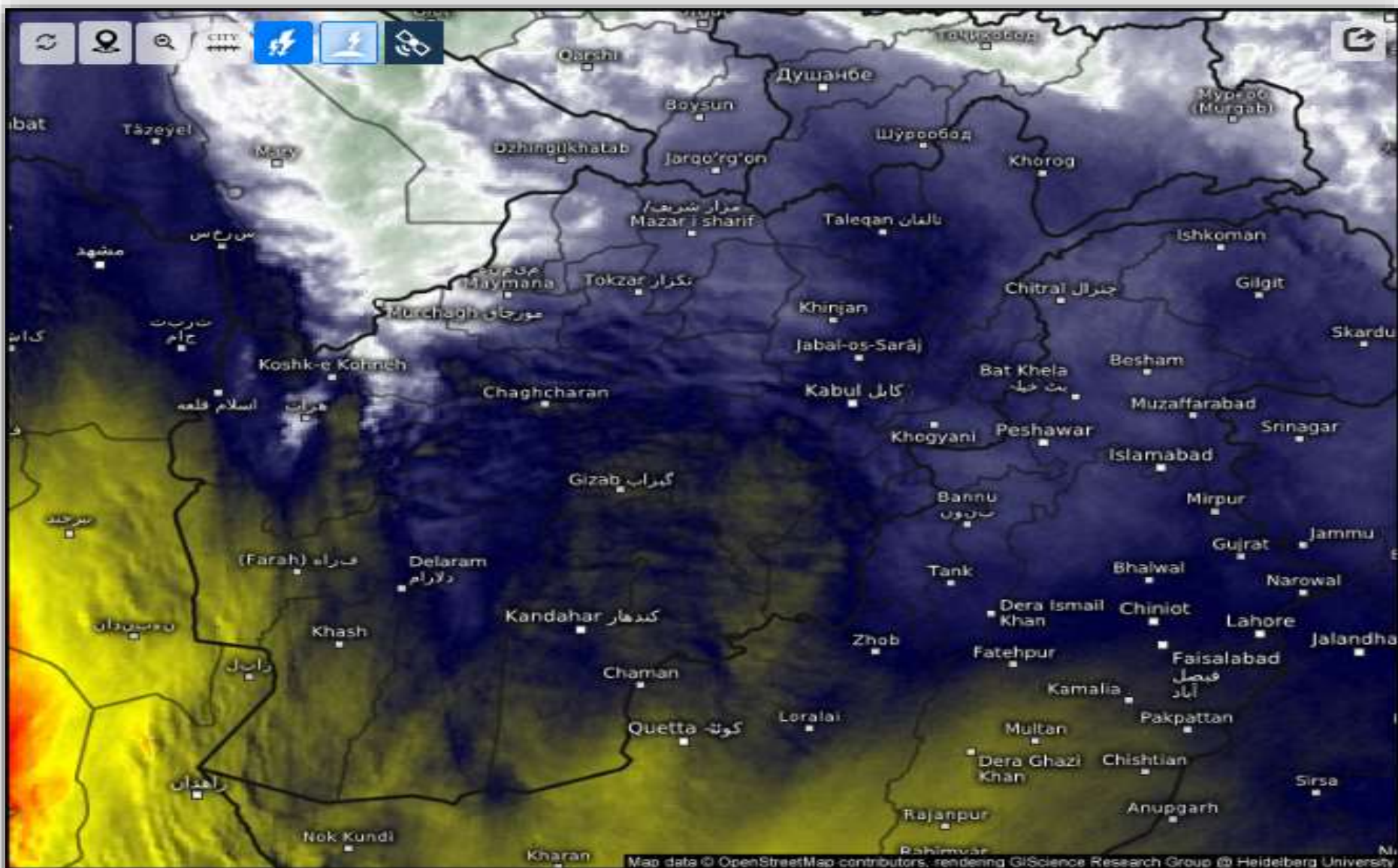
R = VIS (0.83)
G = VIS (0.83)
B = IR (10.8)

FY-4B CloudsConvection RGB Composite (From WMO)

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

18-05-2026/(0445 to 0512) GMT
18-05-2026/(1015 to 1042) IST





Satellite Water Vapor

Mon 05/18/2026, 10:00am GMT+0430

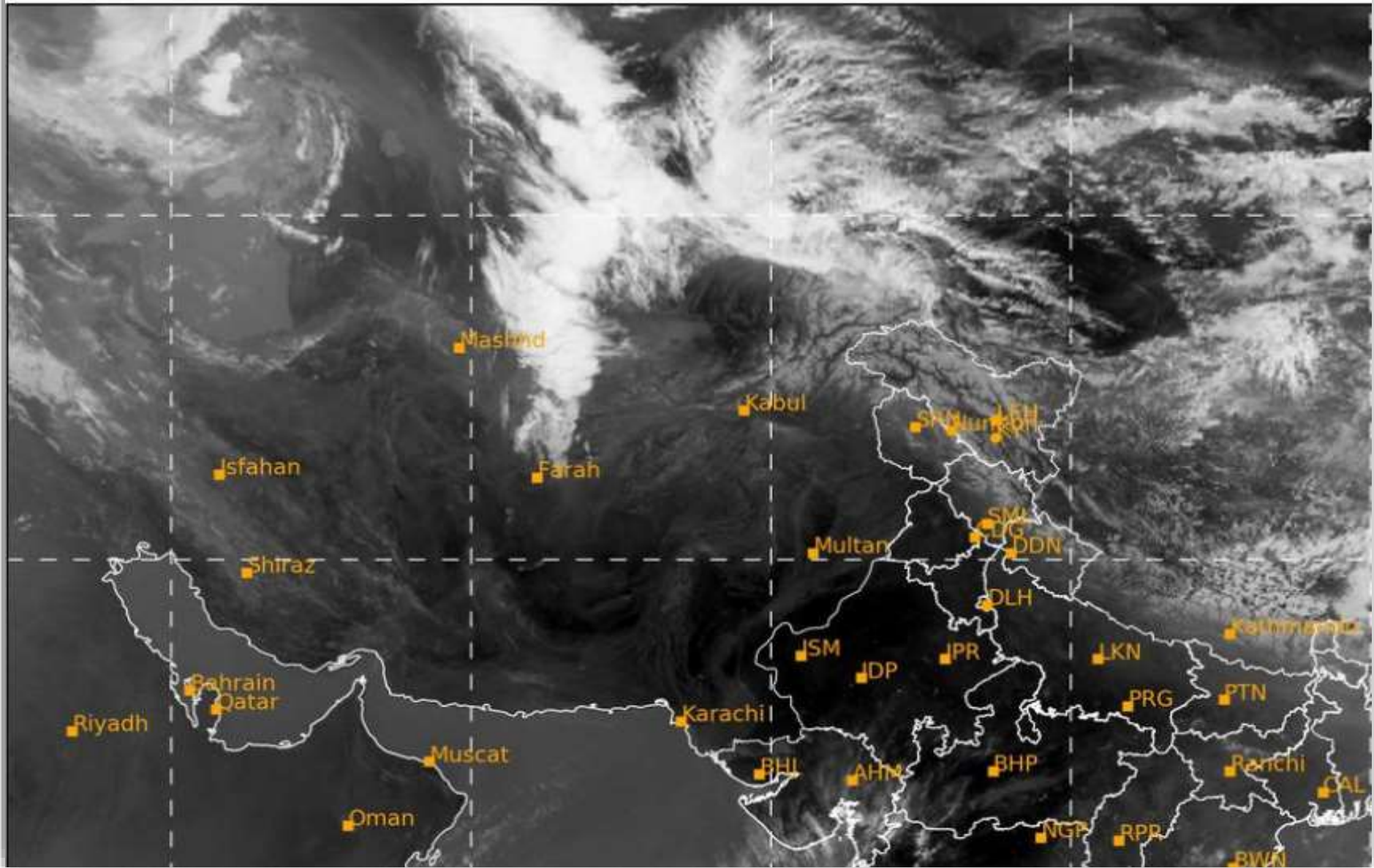


wet/cold

dry/warm

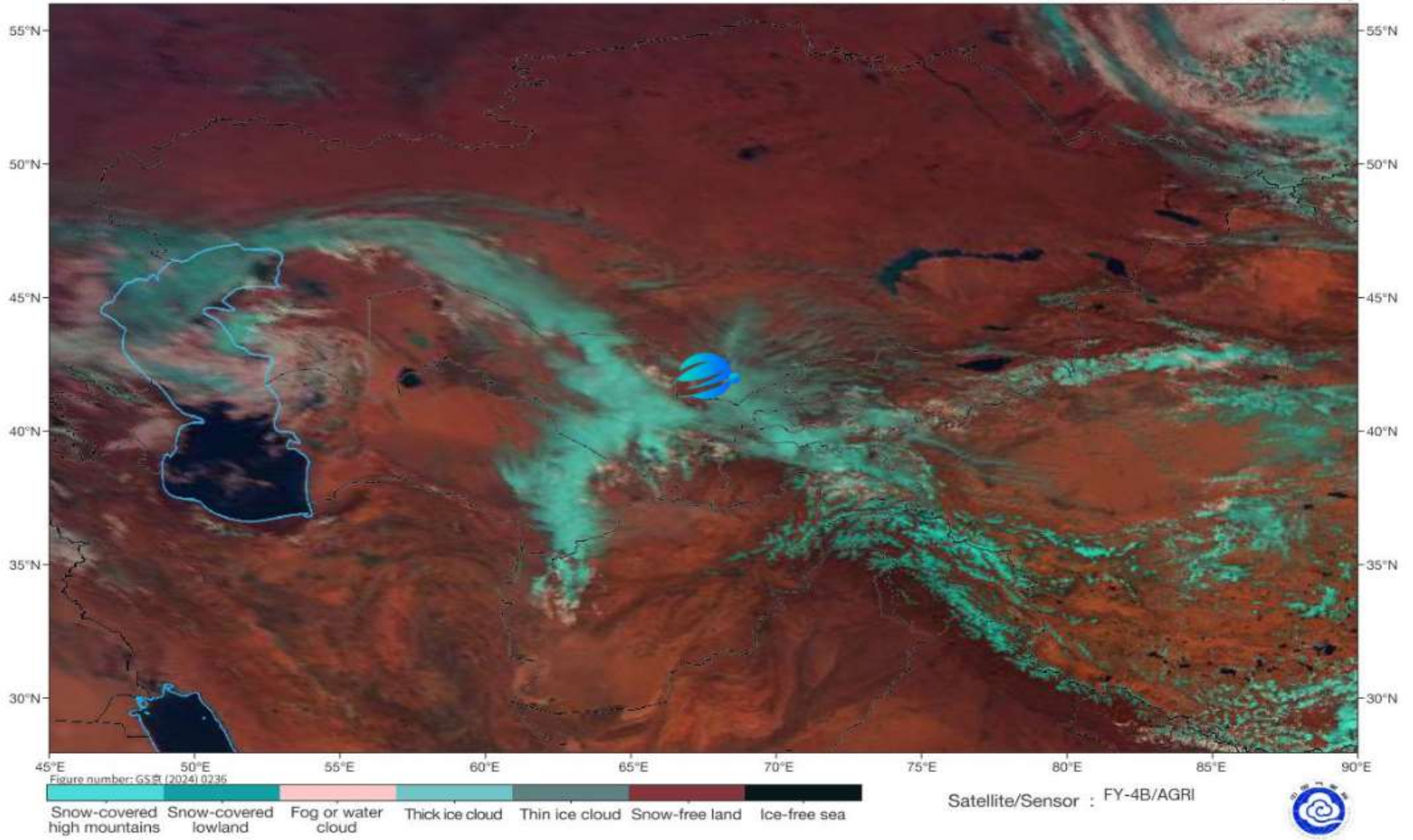
SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

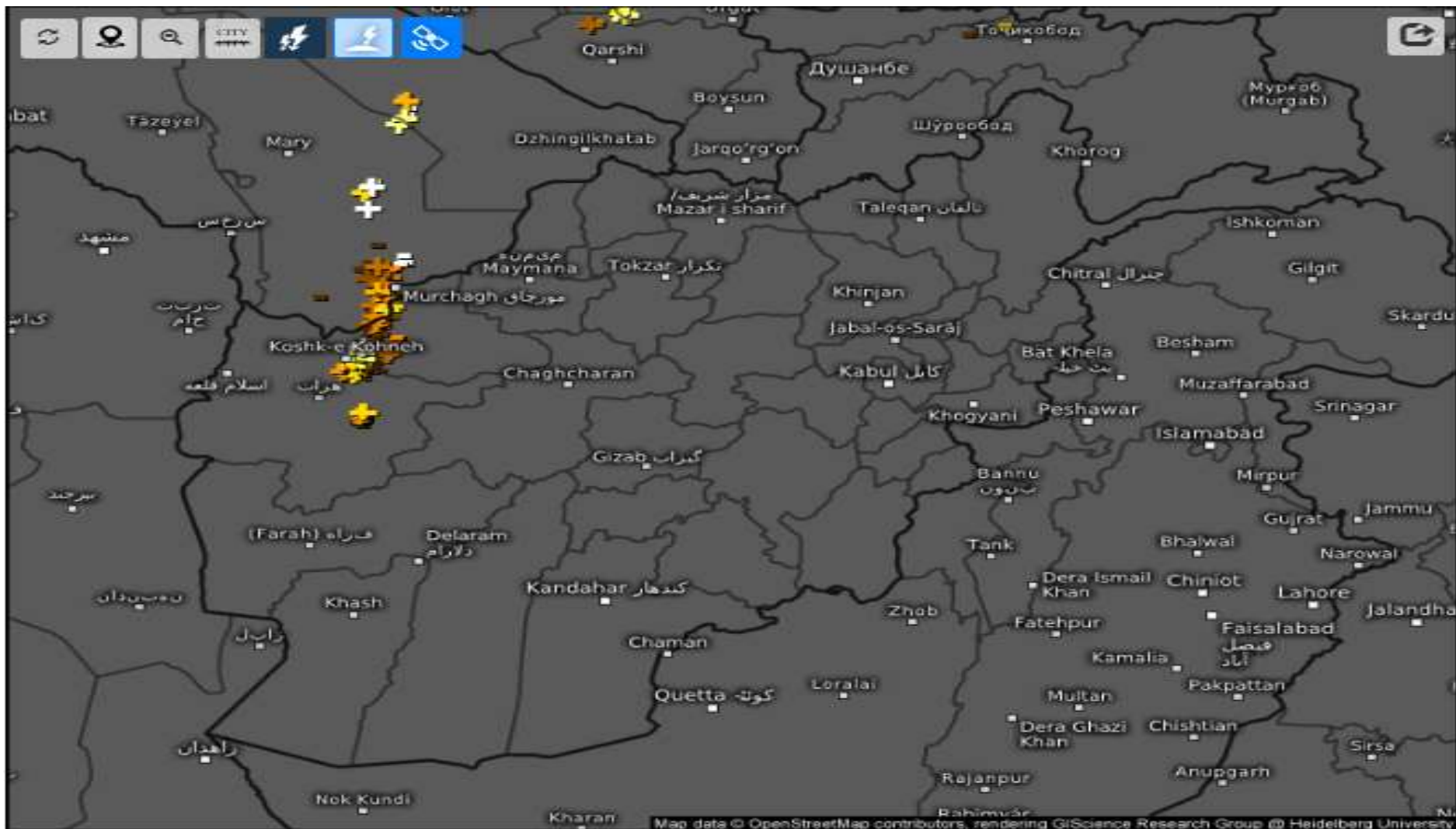
18-05-2026/(0445 to 0512) GMT
18-05-2026/(1015 to 1042) IST



Fog Identification

2026-05-18 05:30(UTC)





Age of lightning (minutes) 

Mon 05/18/2026, 10:15am GMT+0430

