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

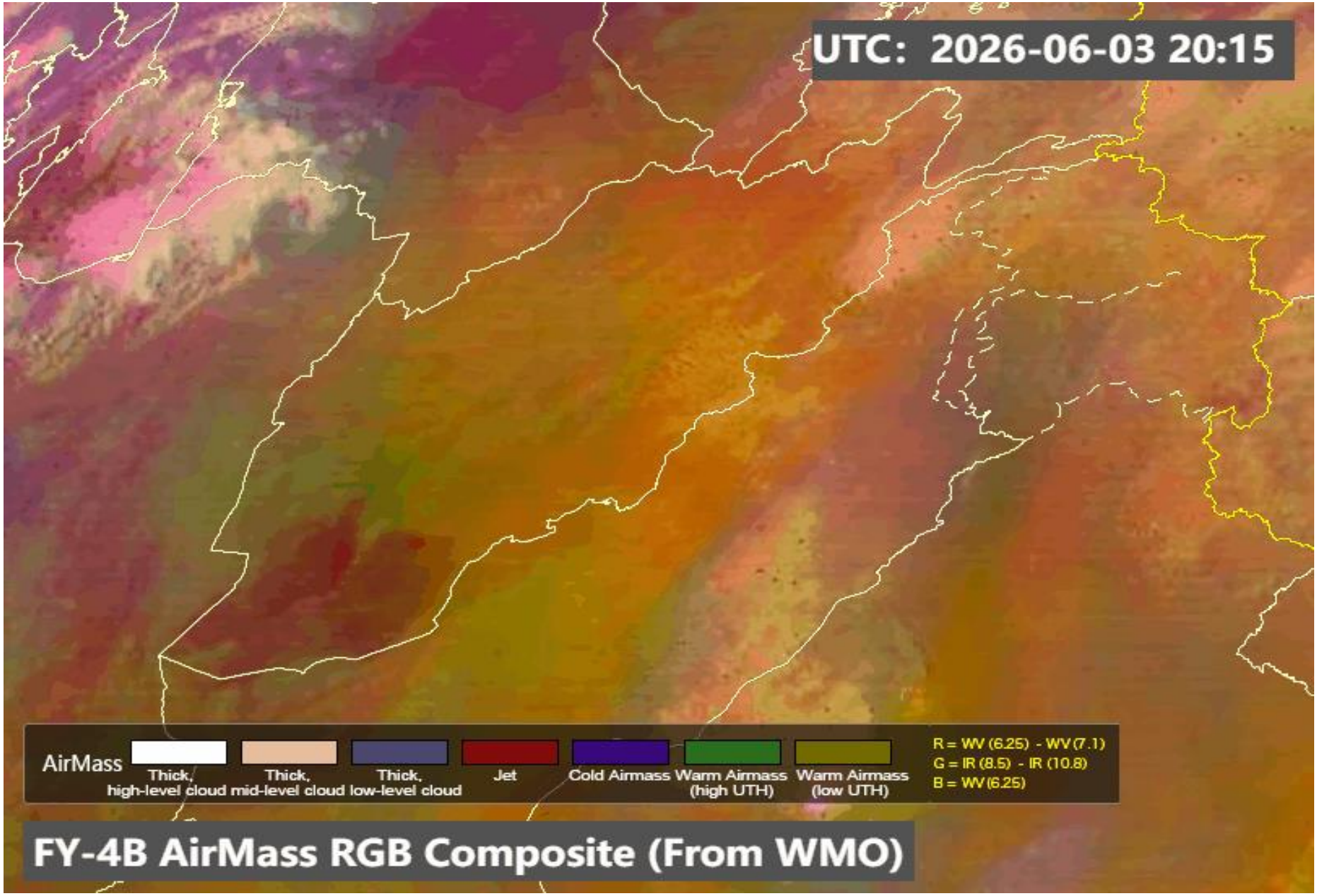
Daily reports of Satellite imagery analysis. Date & Time: 04-06-2026, 06:00 UTC

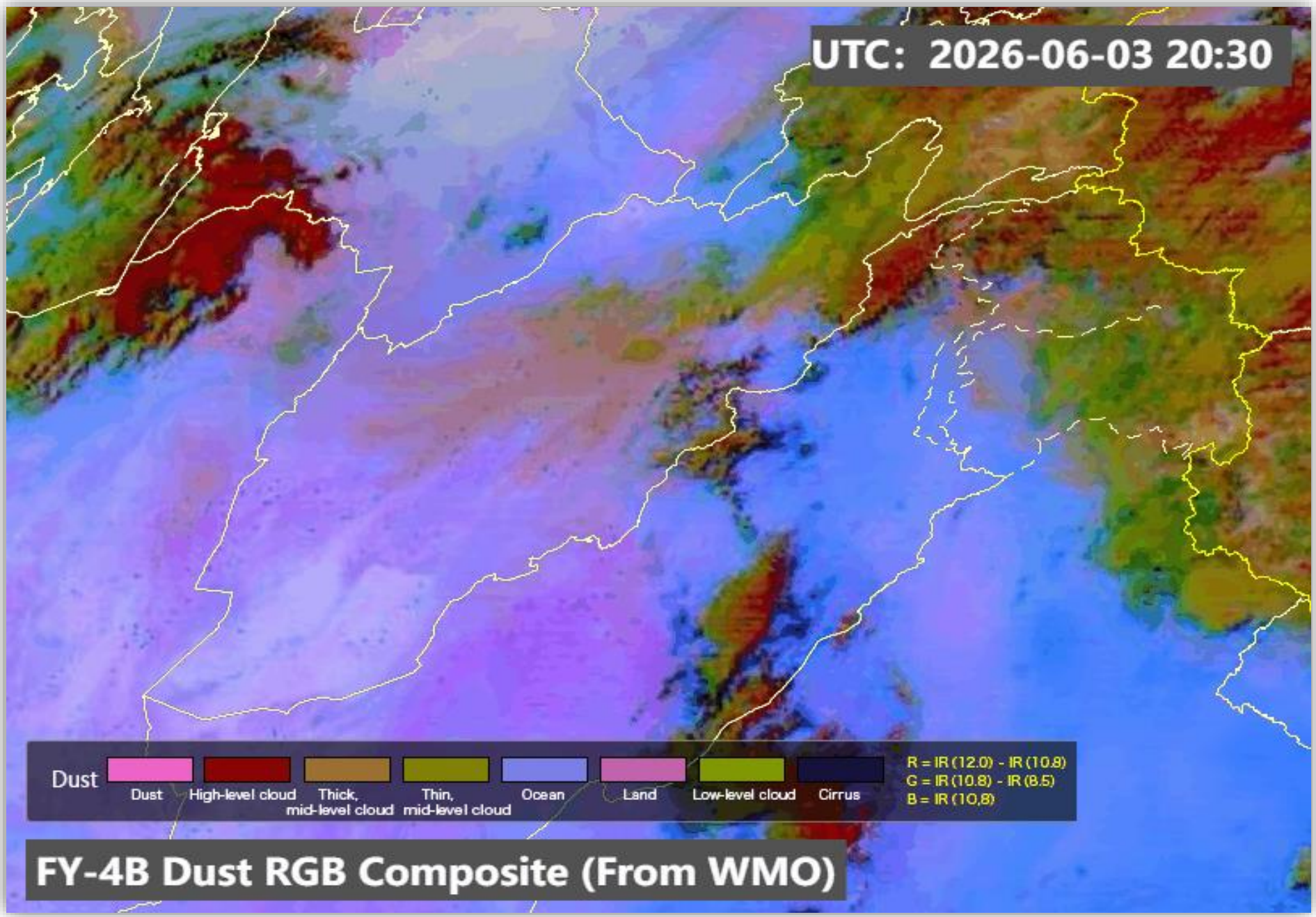
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	X	✓	X	✓ weak	X	X	
2	South	✓	light	X	X	X	✓ weak	X	✓	
3	West	✓	moderate	X	X	X	✓ weak	X	X	
4	East	✓	light	✓	✓	X	✓ moderate	X	X	**thunder storm**
5	central	✓	light	X	✓	X	✓ weak	X	X	
6	Northeast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

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

Not: X (Not existing phenomena) √ (existing phenomena)

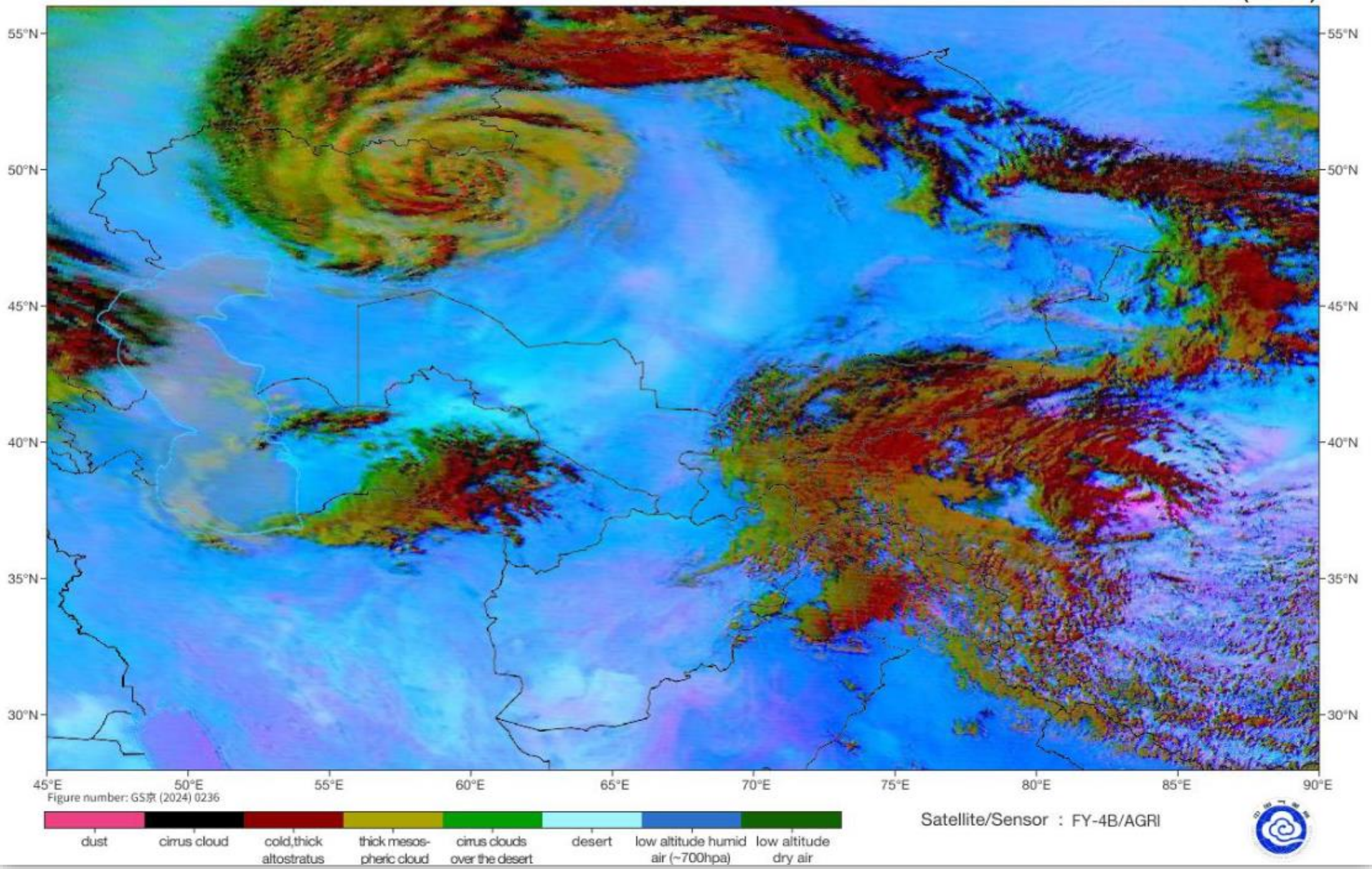
Reported by: Esmatullah Mohammadi


UTC: 2026-06-03 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: 2026-06-03 20:30
Dust
Dust
High-level cloud
Thick, mid-level cloud
Thin, mid-level cloud
Ocean
Land
Low-level cloud
Cirrus
R = IR (12.0) - IR (10.8)
G = IR (10.8) - IR (8.5)
B = IR (10.8)
FY-4B Dust RGB Composite (From WMO)

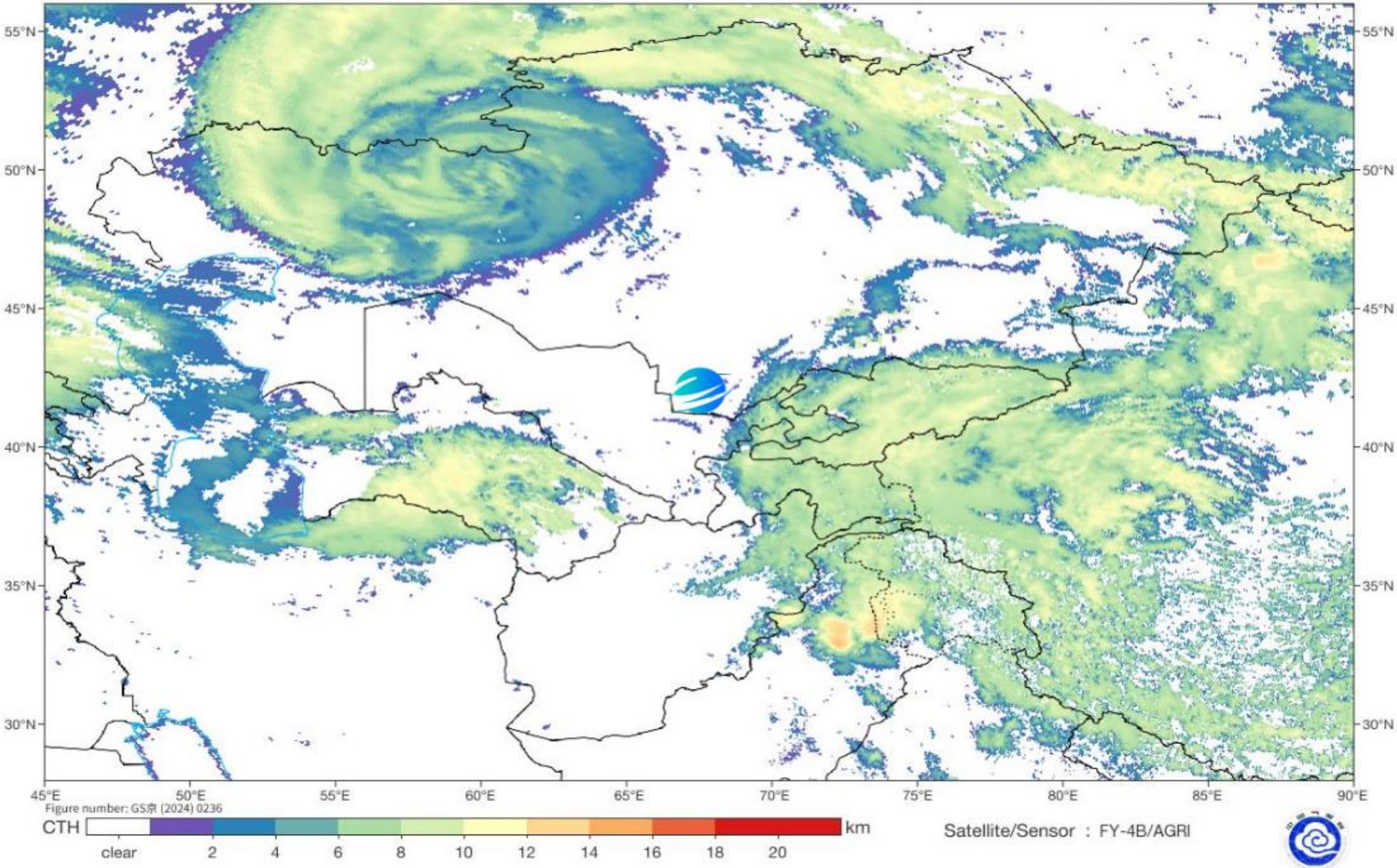
Sand And Dust Identification

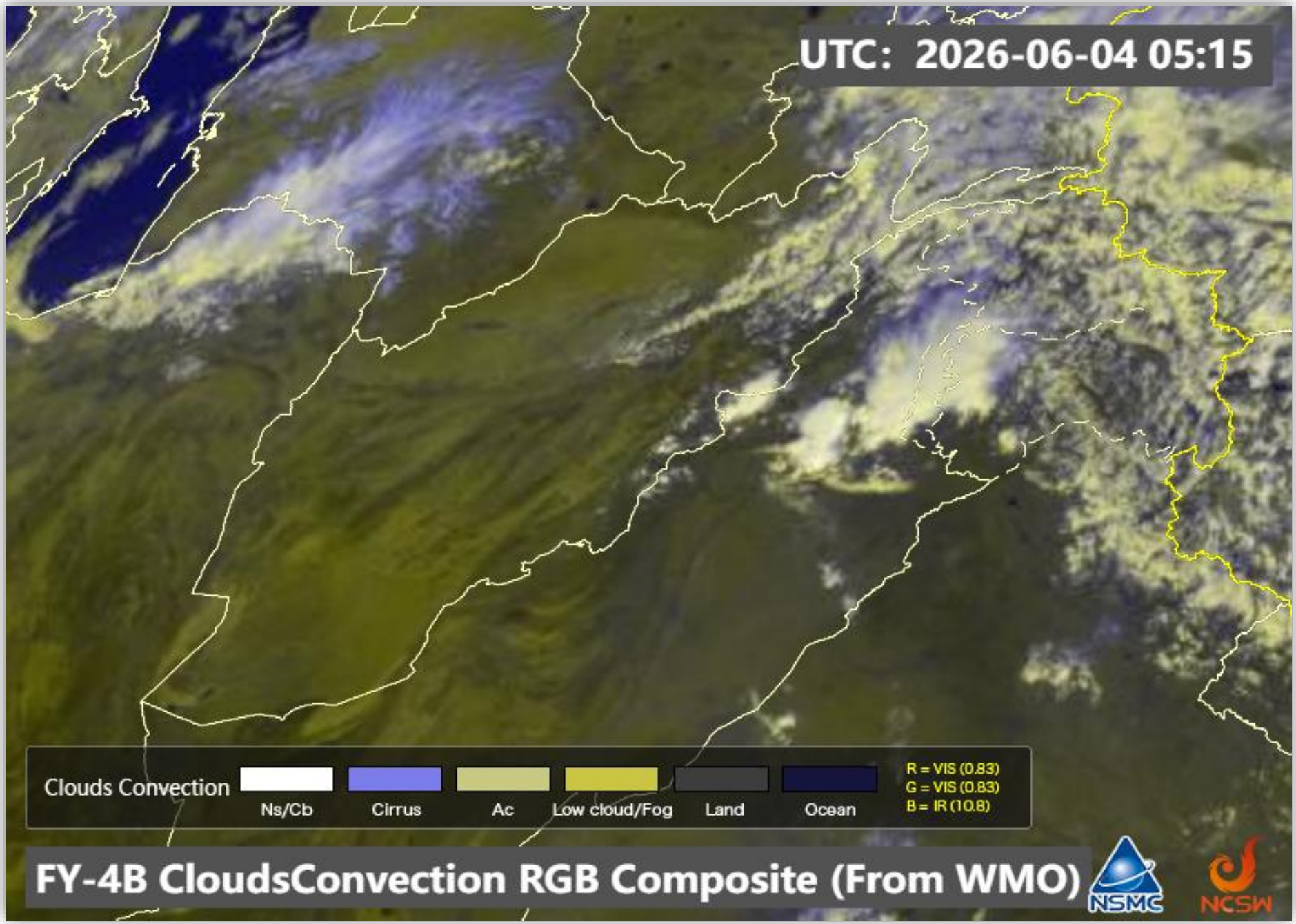
2026-06-04 05:30(UTC)



Cloud Top Height

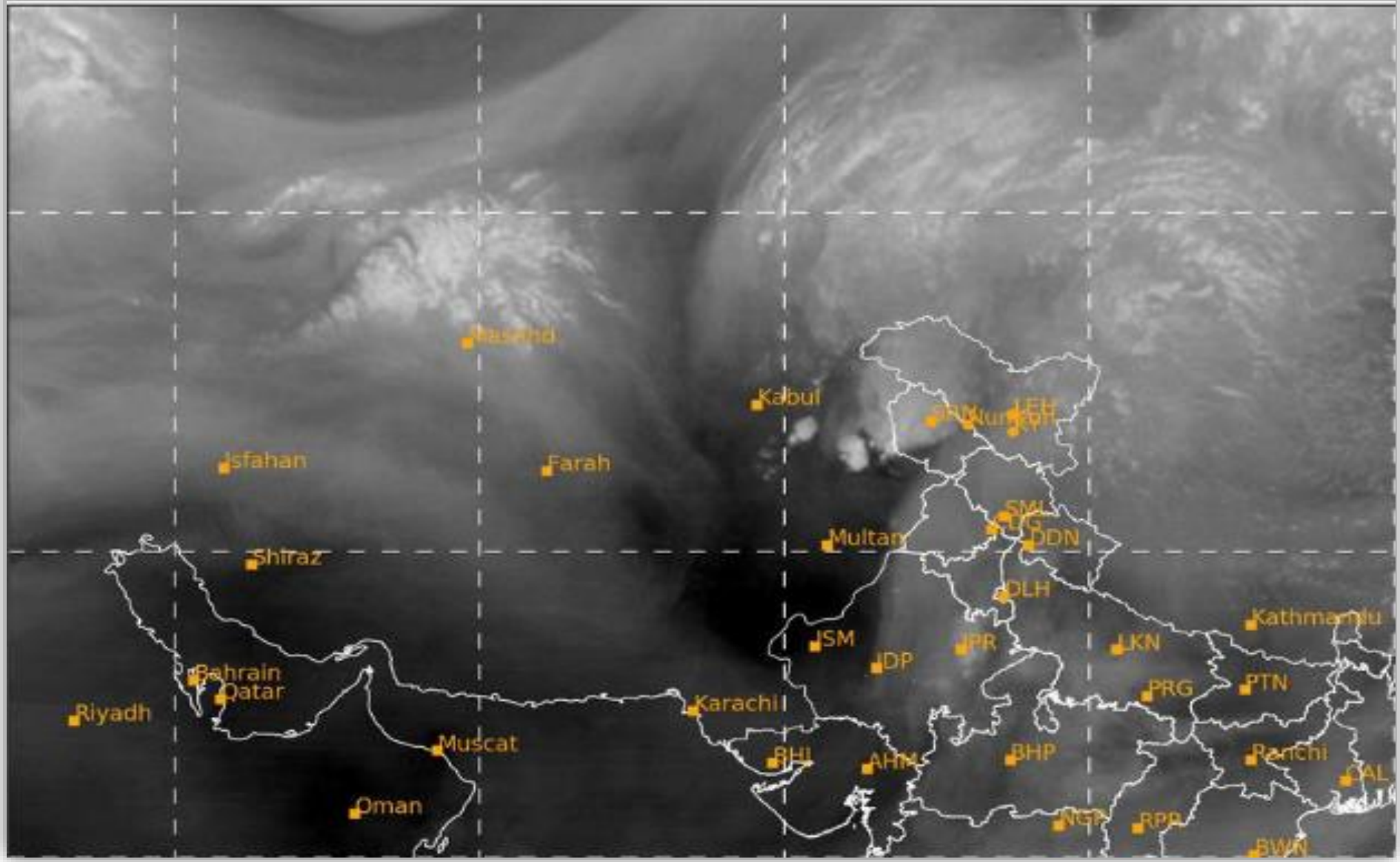
2026-06-04 05:30(UTC)

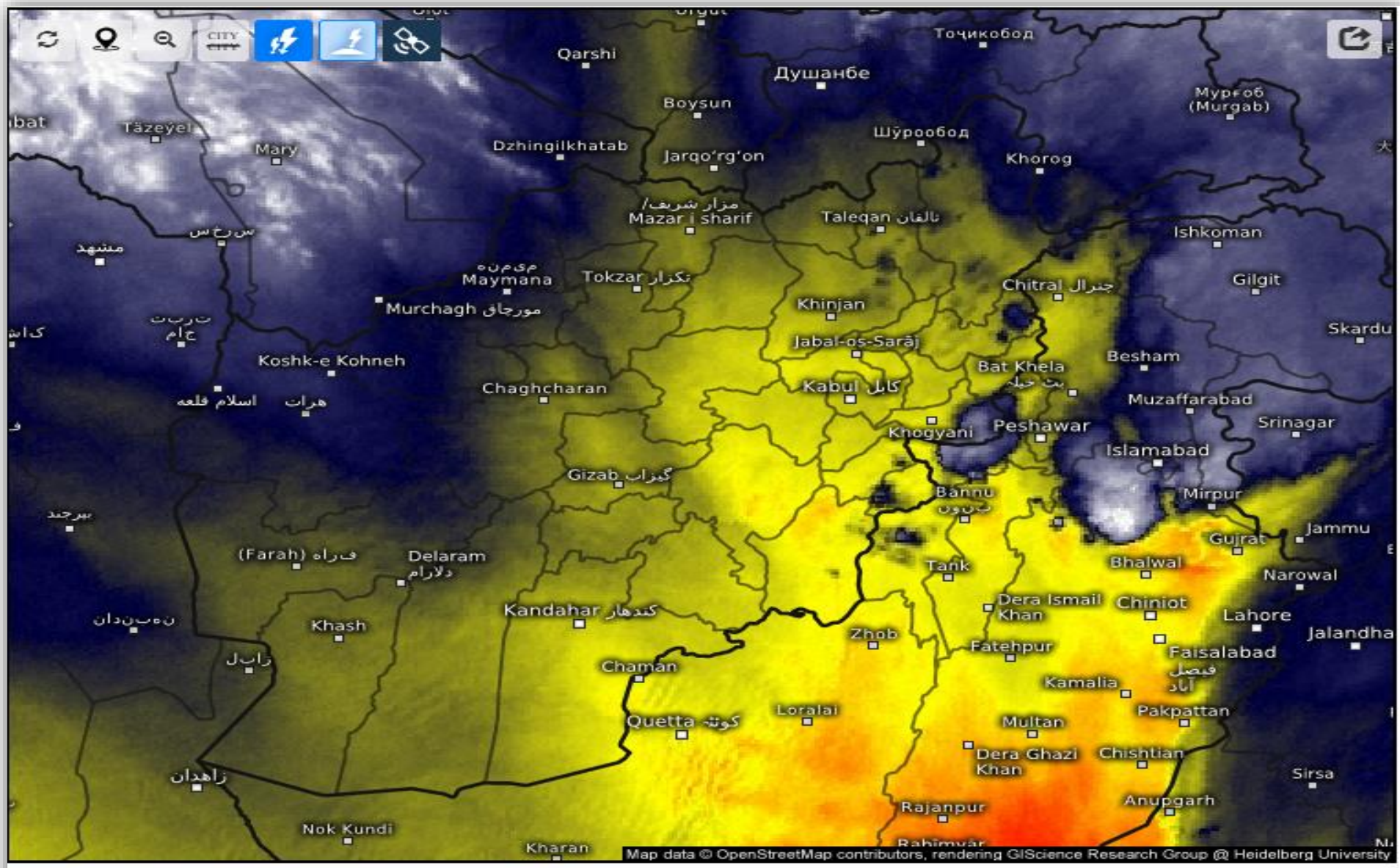



UTC: 2026-06-04 05:15
Clouds Convection
Ns/Cb
Cirrus
Ac
Low cloud/Fog
Land
Ocean
R = VIS (0.83)
G = VIS (0.83)
B = IR (10.8)
FY-4B CloudsConvection RGB Composite (From WMO)
NSMC
NCSW

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

04-06-2026/(0445 to 0512) GMT
04-06-2026/(1015 to 1042) IST





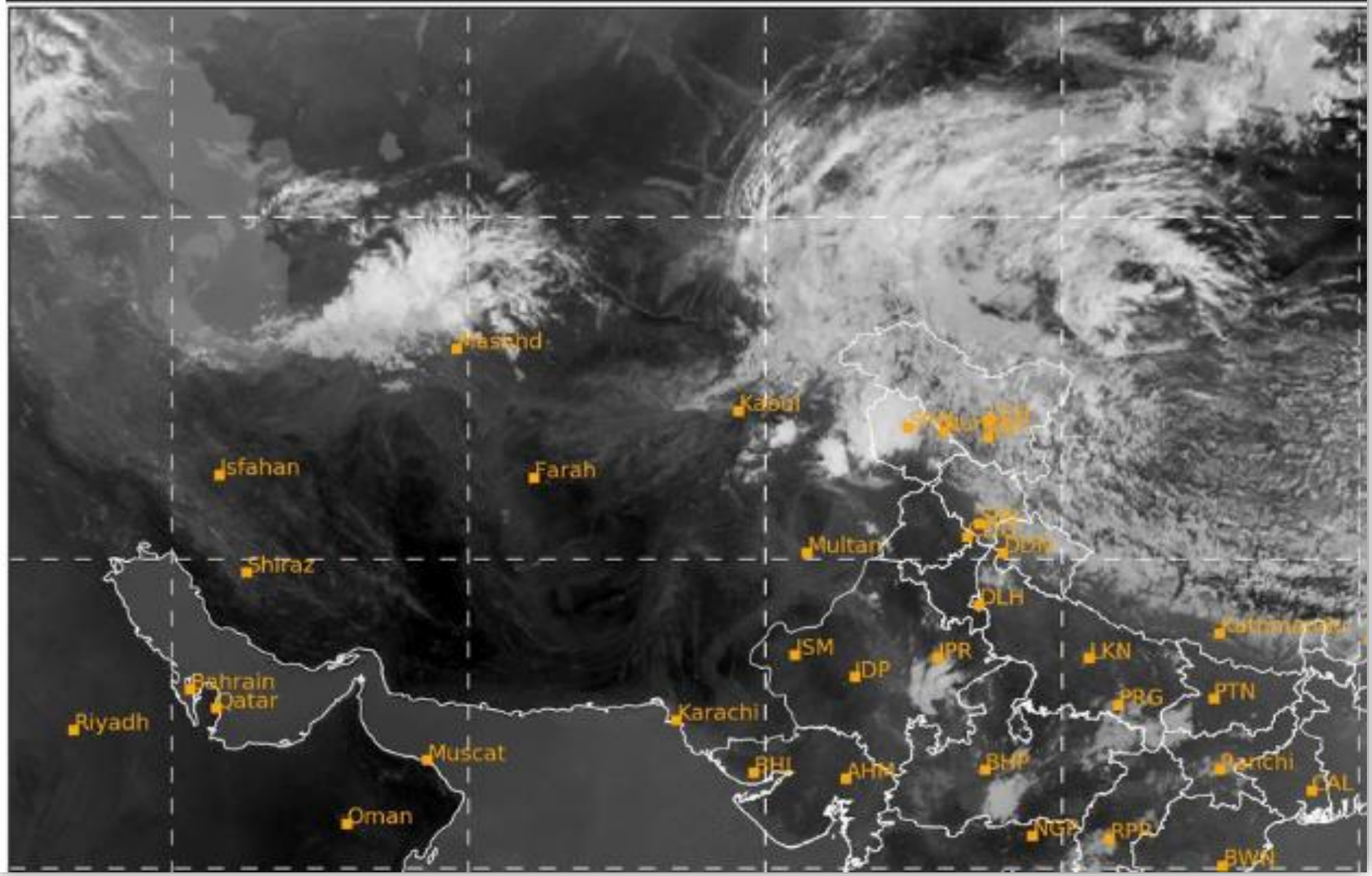
Satellite Water Vapor

Thu 06/04/2026, 10:00am GMT+0430

wet/cold — dry/warm

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

04-06-2026/(0445 to 0512) GMT
04-06-2026/(1015 to 1042) IST



Fog Identification

2026-06-04 05:30(UTC)

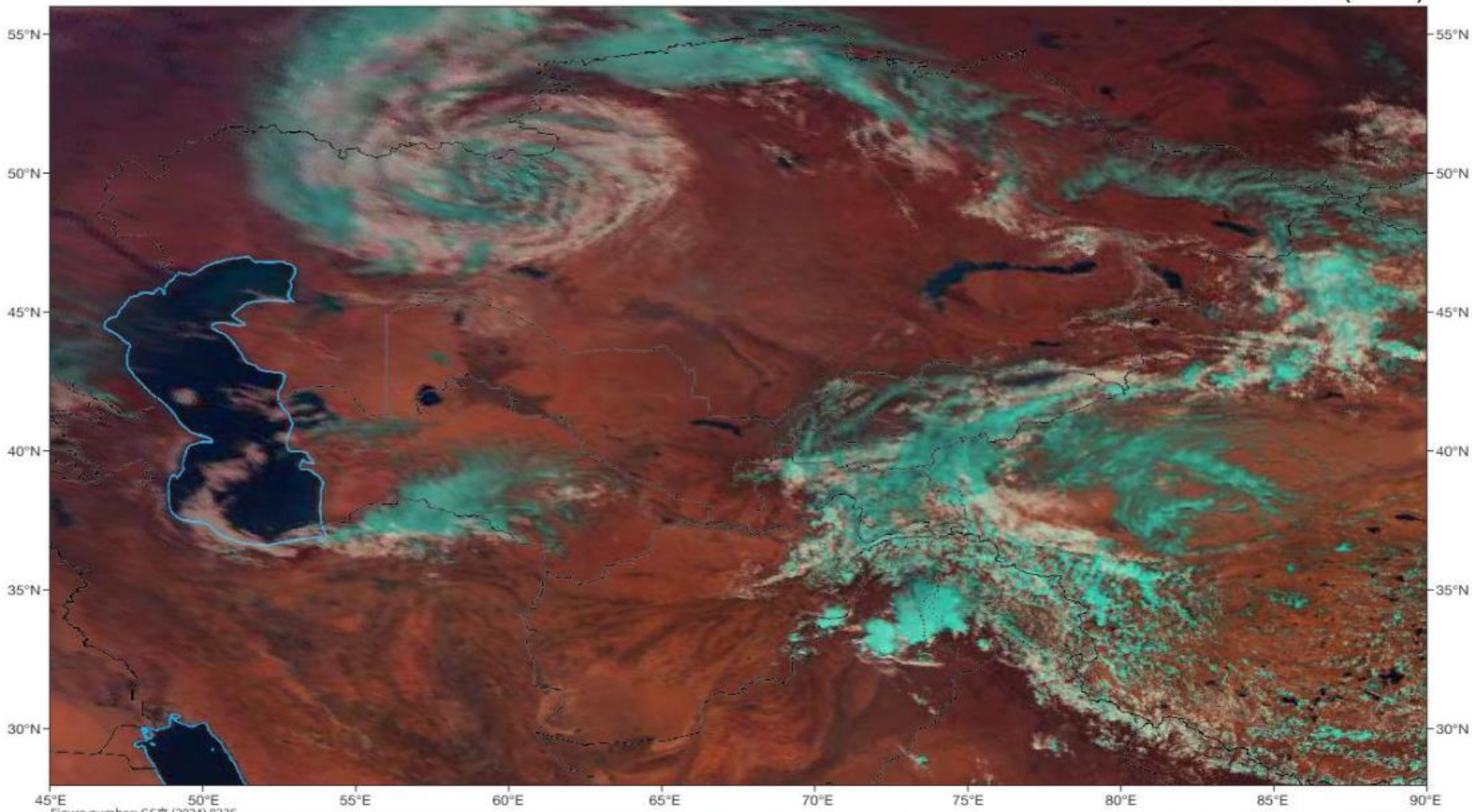
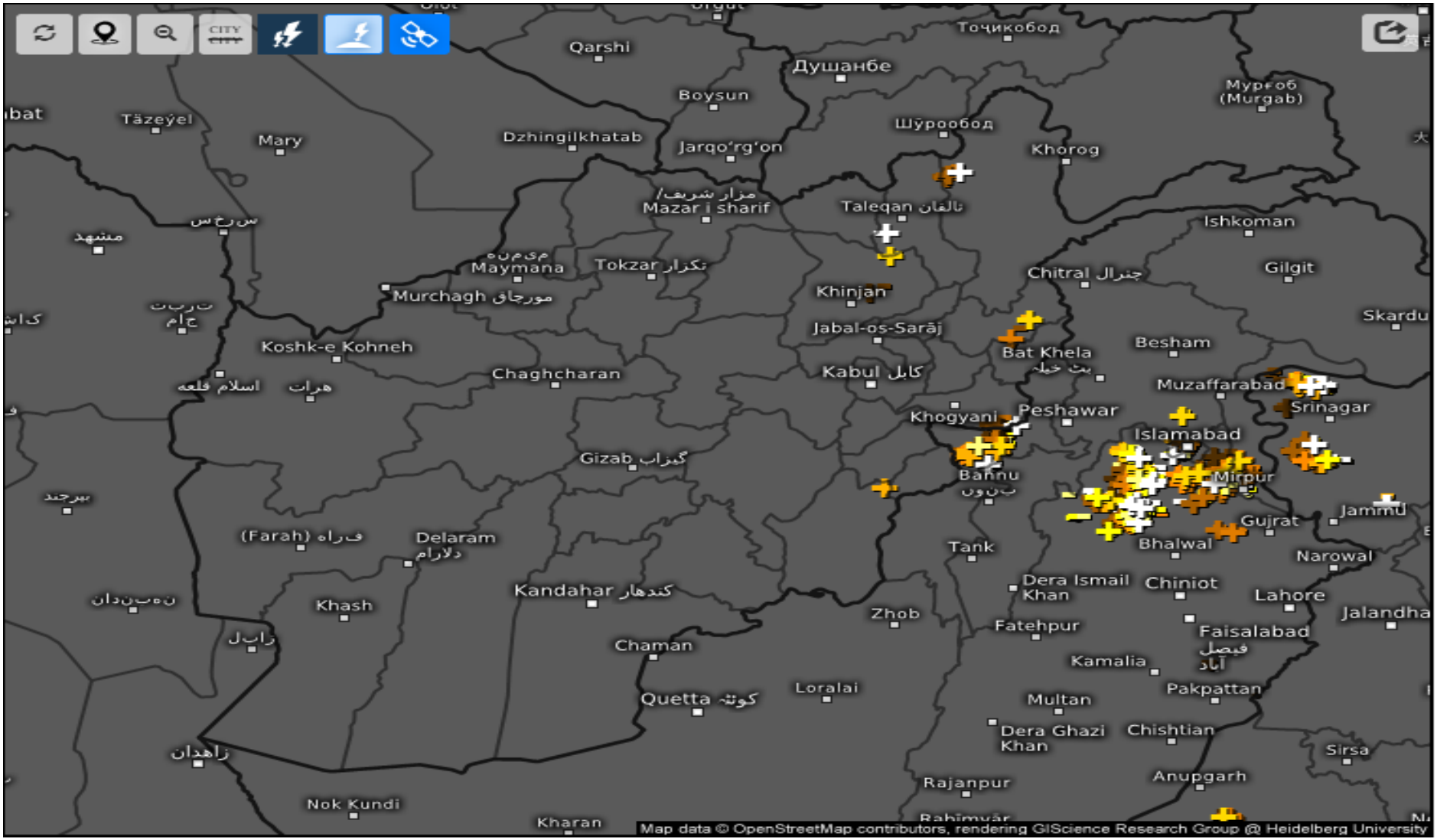


Figure number: GS京 (2024) 0236

Snow-covered high mountains	Snow-covered lowland	Fog or water cloud	Thick ice cloud	Thin ice cloud	Snow-free land	Ice-free sea

Satellite/Sensor : FY-4B/AGRI



Age of lightning (minutes)

Thu 06/04/2026, 10:15am GMT+0430

0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60