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

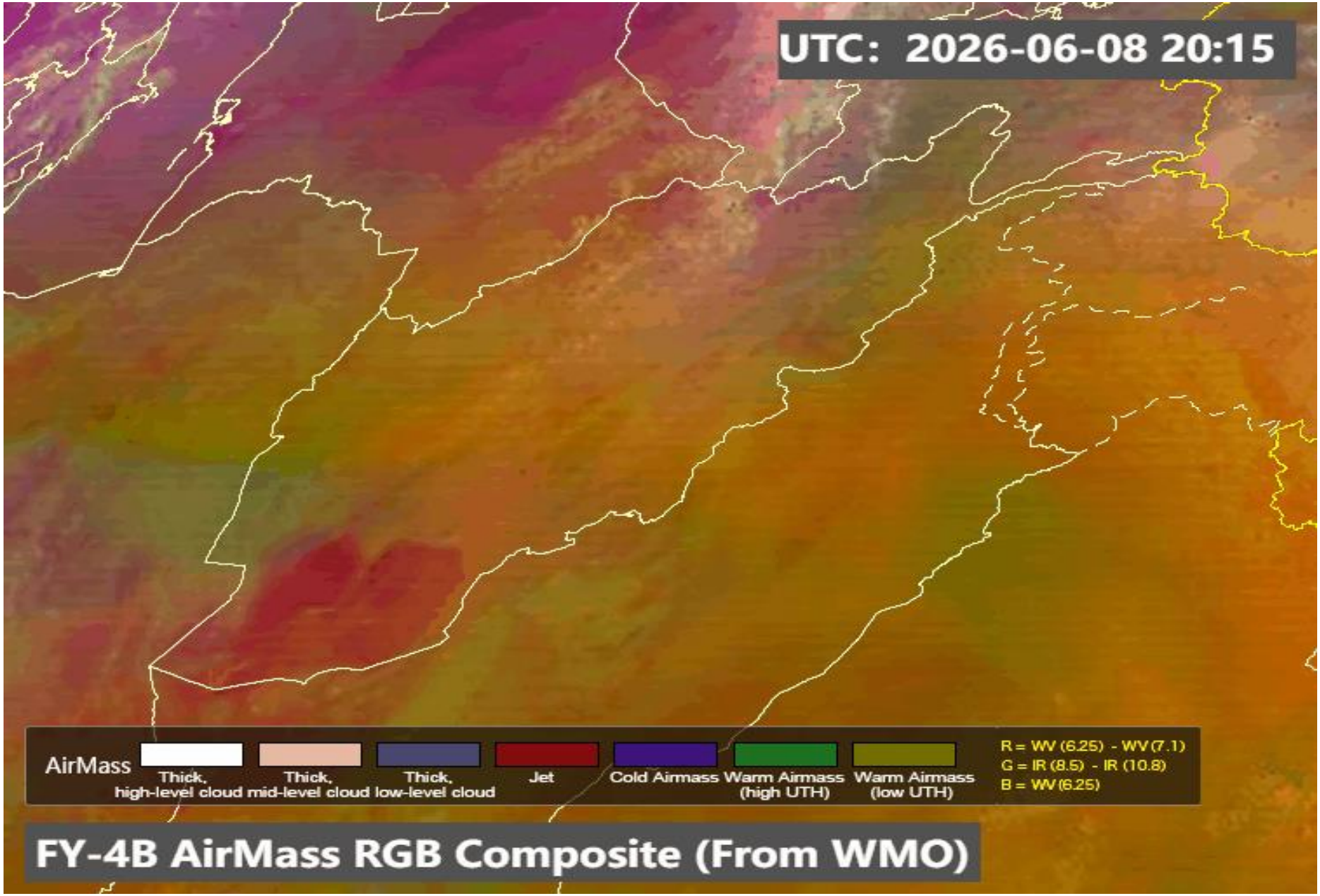
Daily reports of Satellite imagery analysis. Date & Time: 09-06-2026, 06:00 UTC

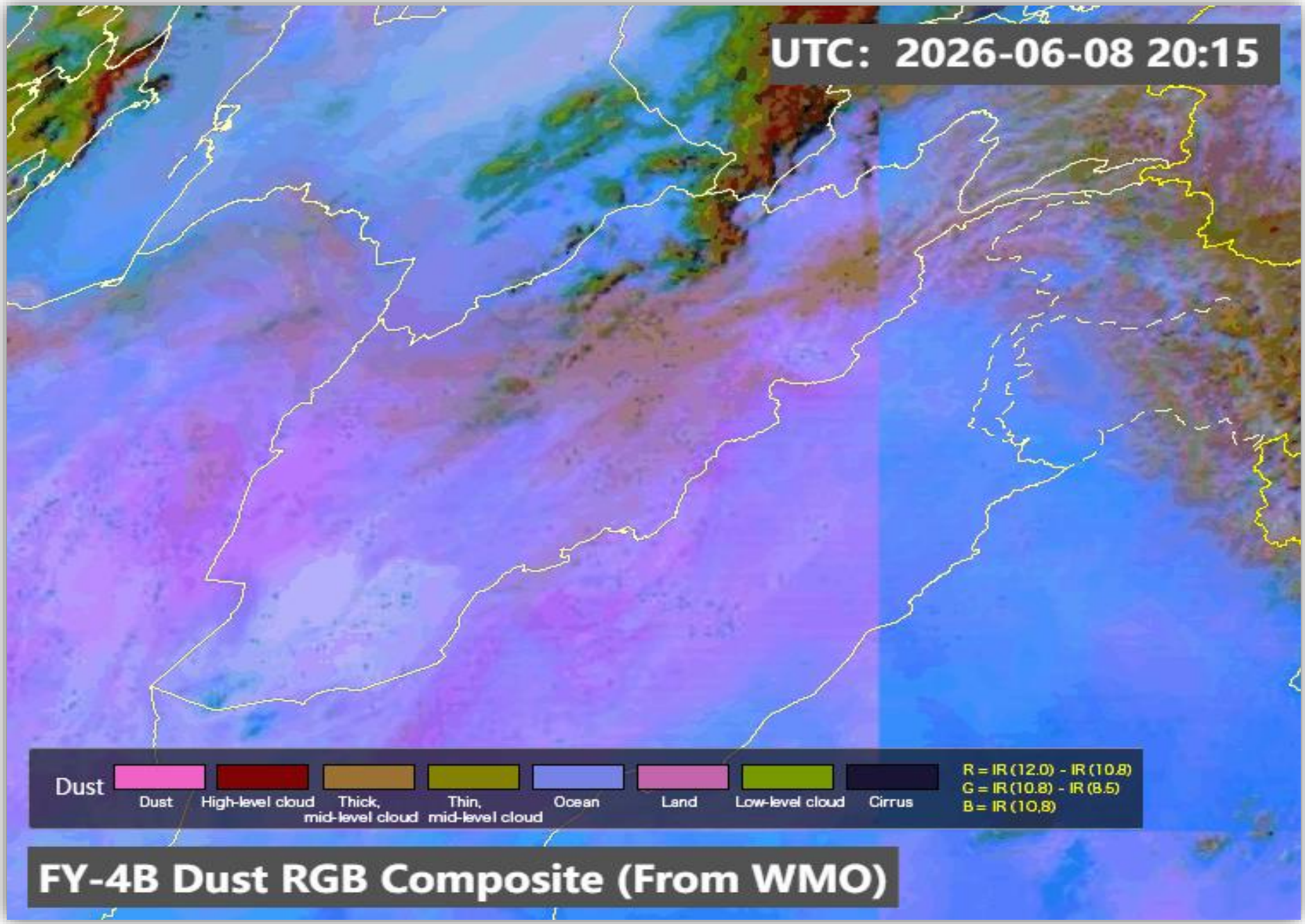
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	X	✓	X	✓ weak	X	X	
2	South	✓	High	X	X	X	✓ weak	X	X	dust
3	West	✓	Moderate	X	X	X	✓ weak	X	X	
4	East	✓	light	X	✓	X	✓ weak	X	X	
5	central	✓	light	X	✓	X	✓ weak	X	X	
6	Northeast	✓	X	X	✓	X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

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

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

Reported by: Esmatullah Mohammadi


UTC: 2026-06-08 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: 2026-06-08 20:15
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

2026-06-09 05:30(UTC)

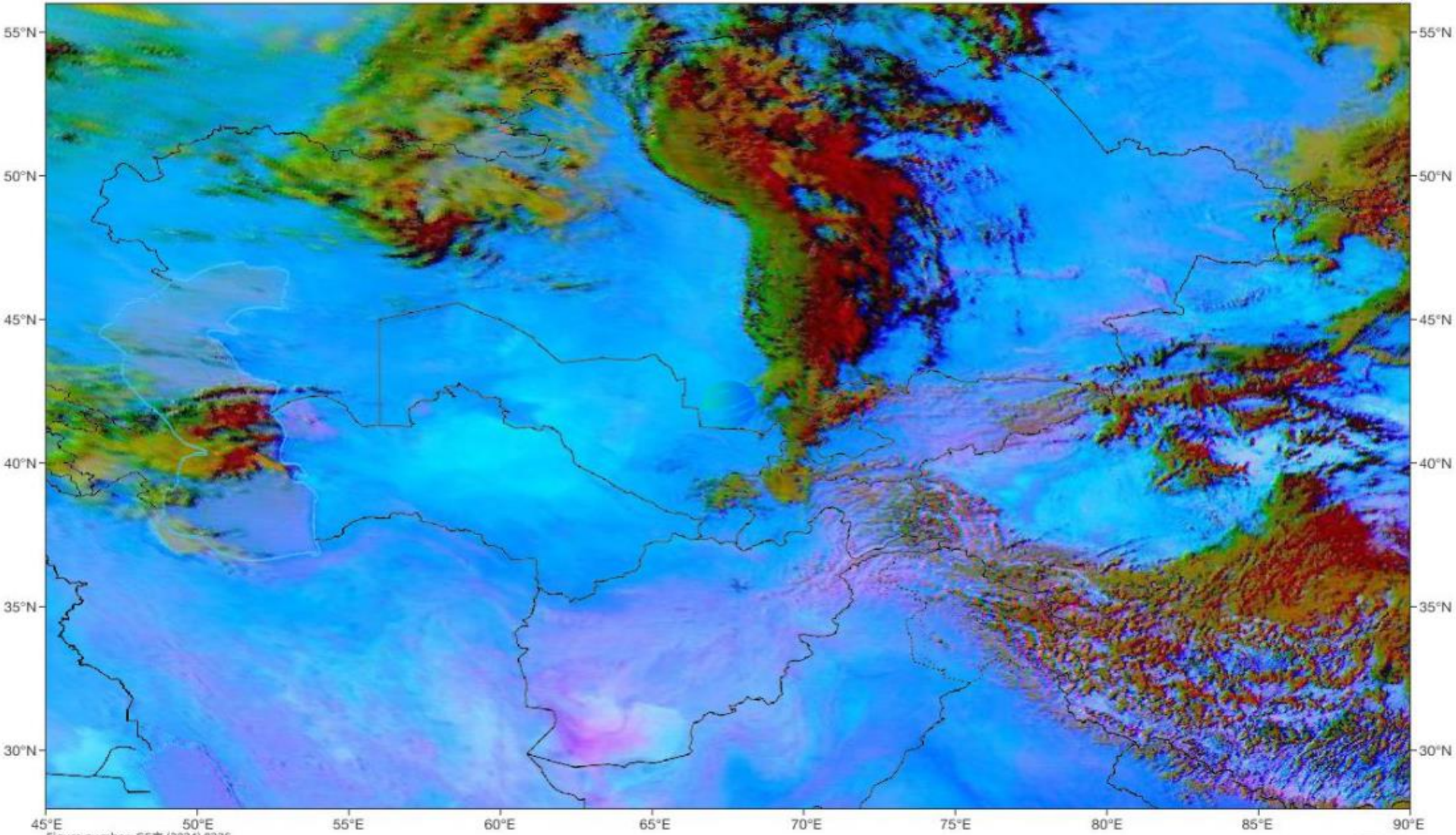


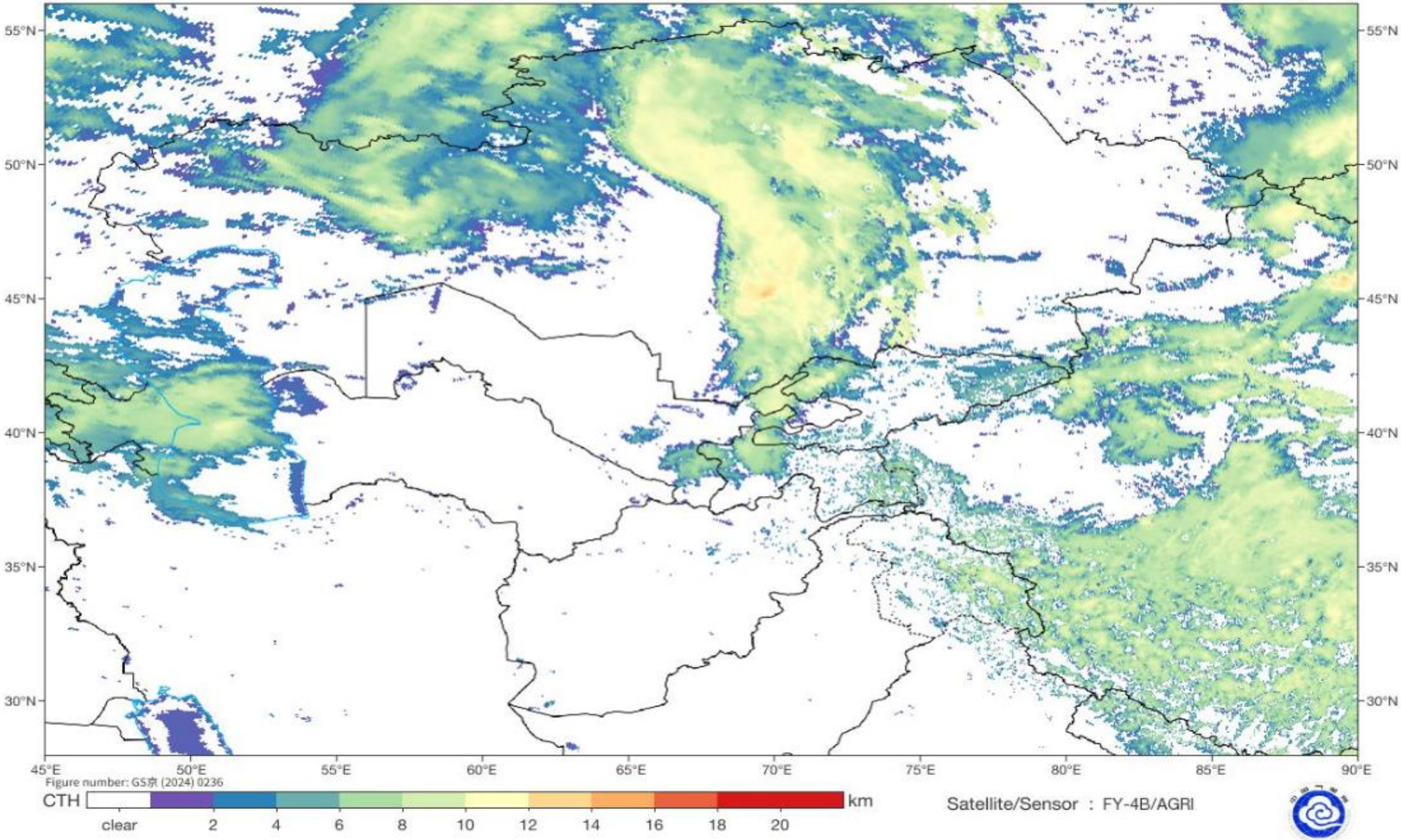
Figure number: GS京 (2024) 0236

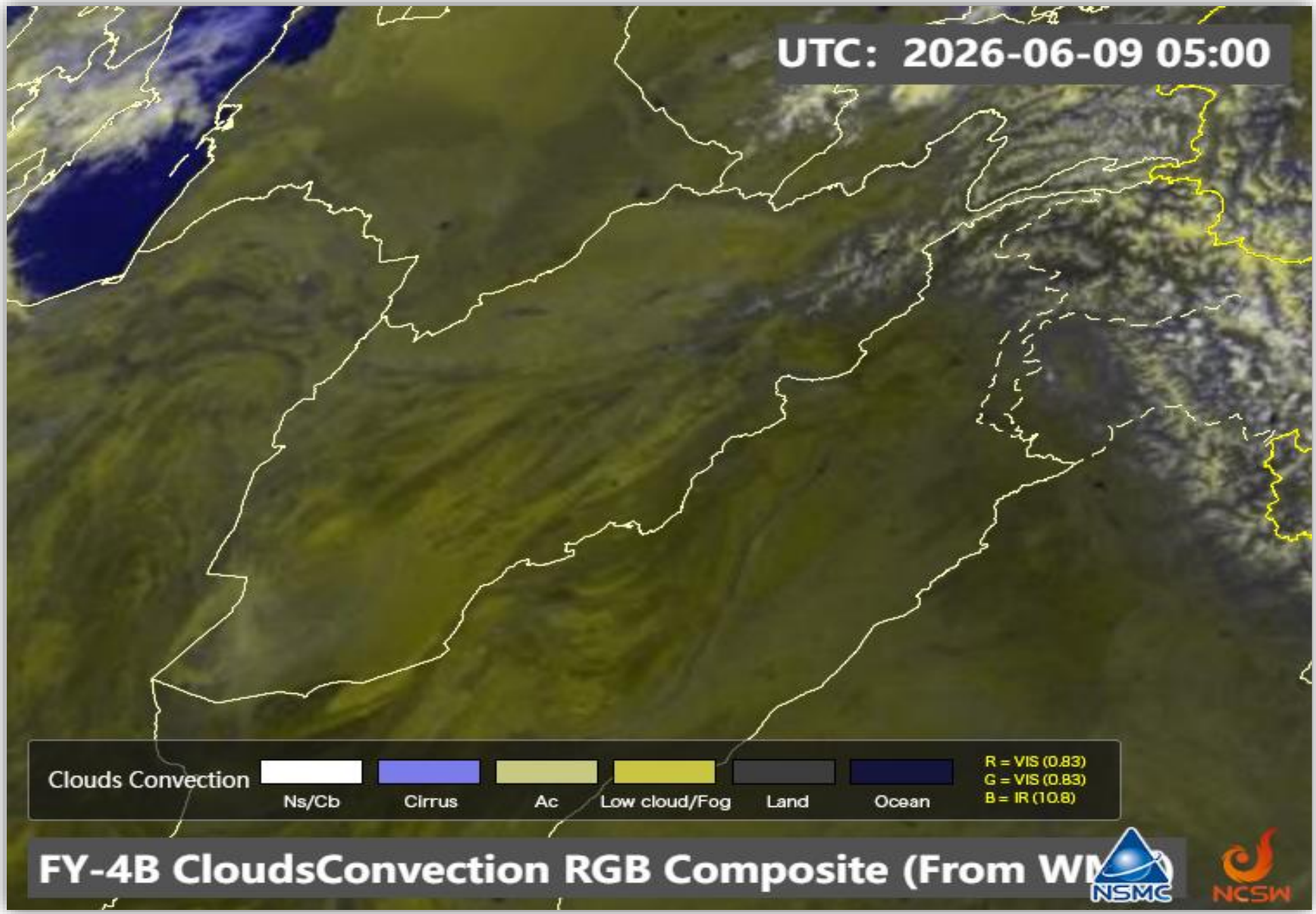
dust	cirrus cloud	cold,thick altostratus	thick mesos-pheric cloud	cirrus clouds over the desert	desert	low altitude humid air (~700hpa)	low altitude dry air

Satellite/Sensor : FY-4B/AGRI

Cloud Top Height

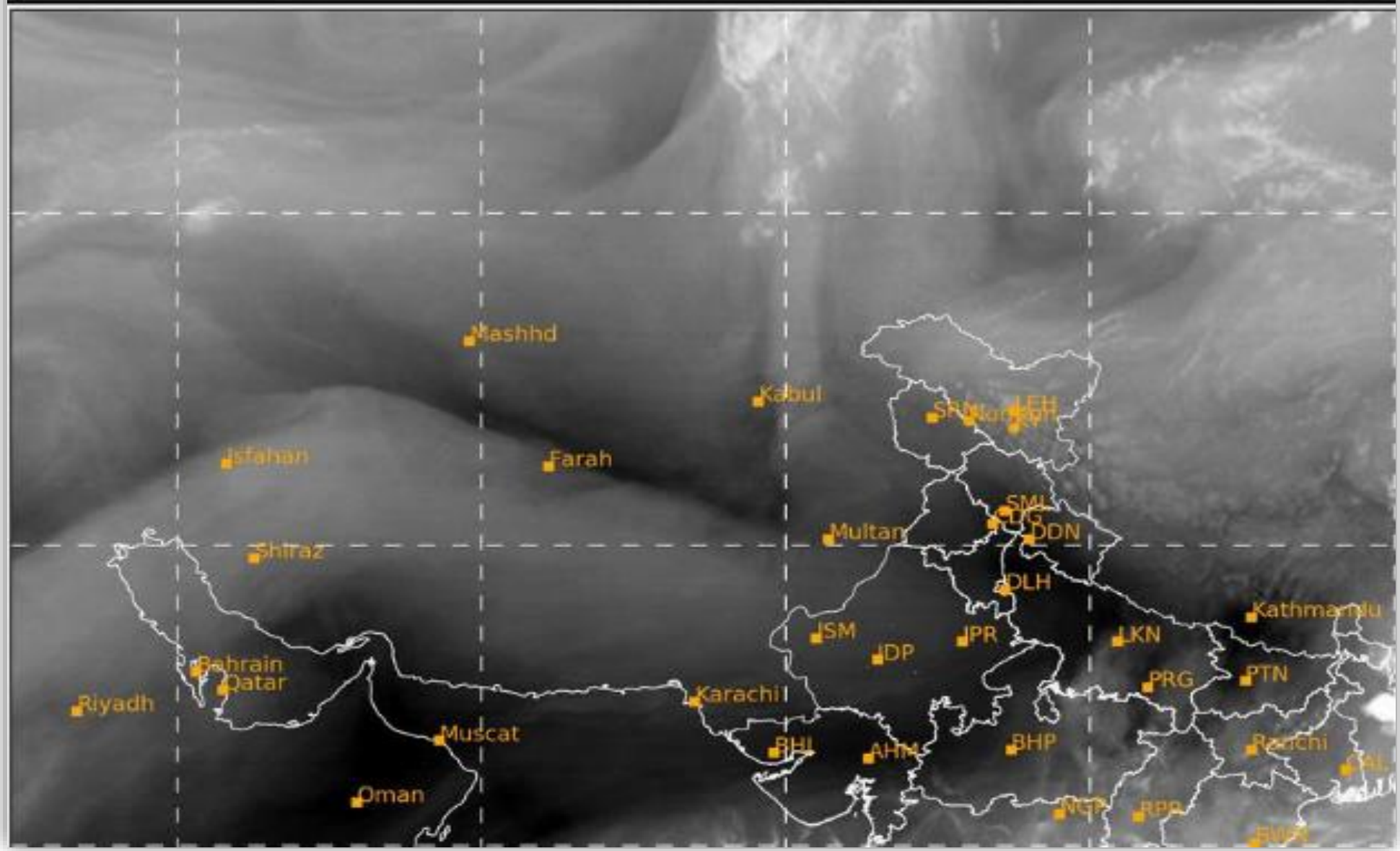
2026-06-09 05:30(UTC)

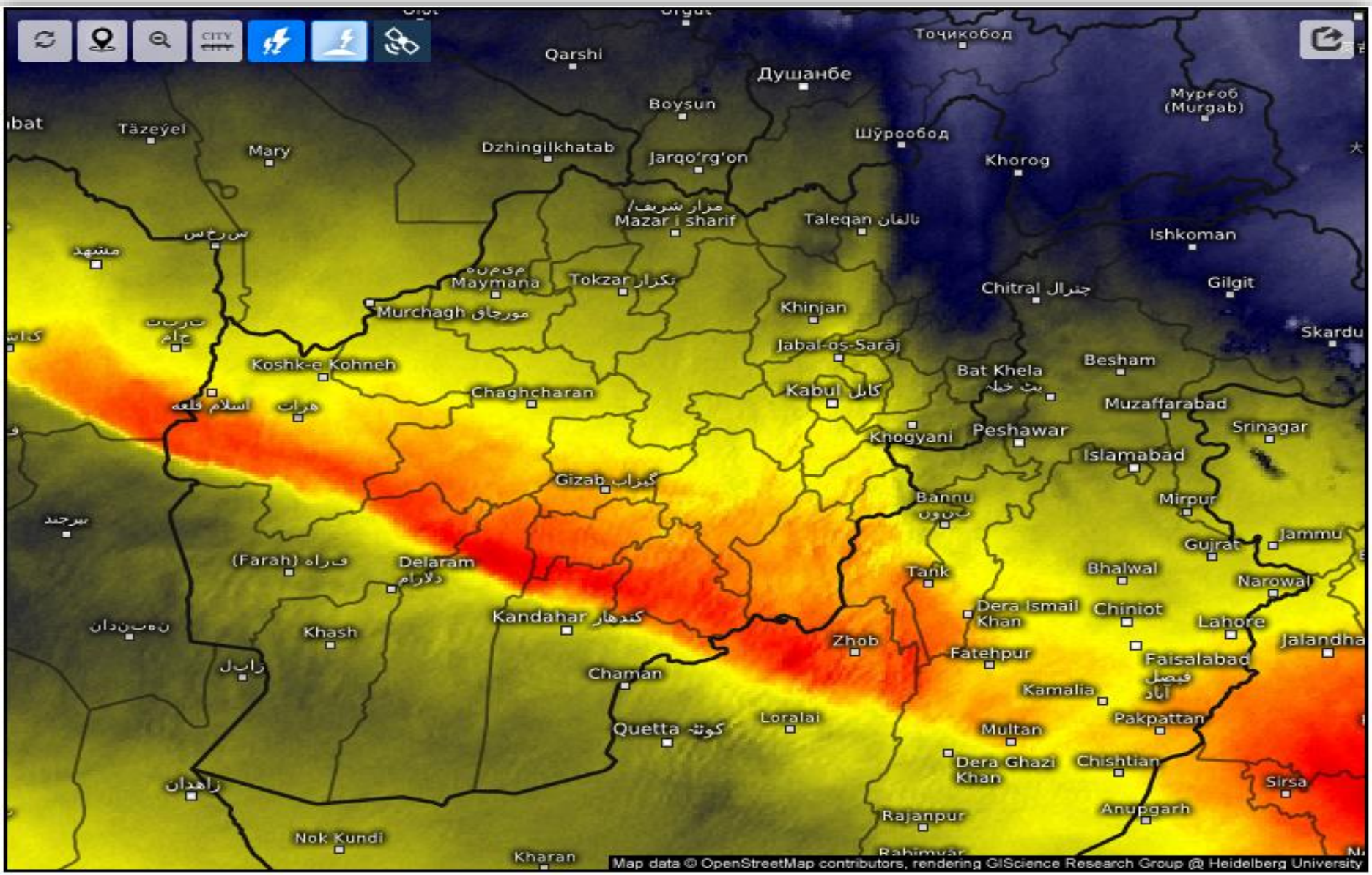



UTC: 2026-06-09 05:00
Clouds Convection
Ns/Cb
Cirrus
Ac
Low cloud/Fog
Land
Ocean
R = VIS (0.83)
G = VIS (0.83)
B = IR (10.8)
FY-4B CloudsConvection RGB Composite (From WM
NSMC
NCSW

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

09-06-2026/(0415 to 0442) GMT
09-06-2026/(0945 to 1012) IST





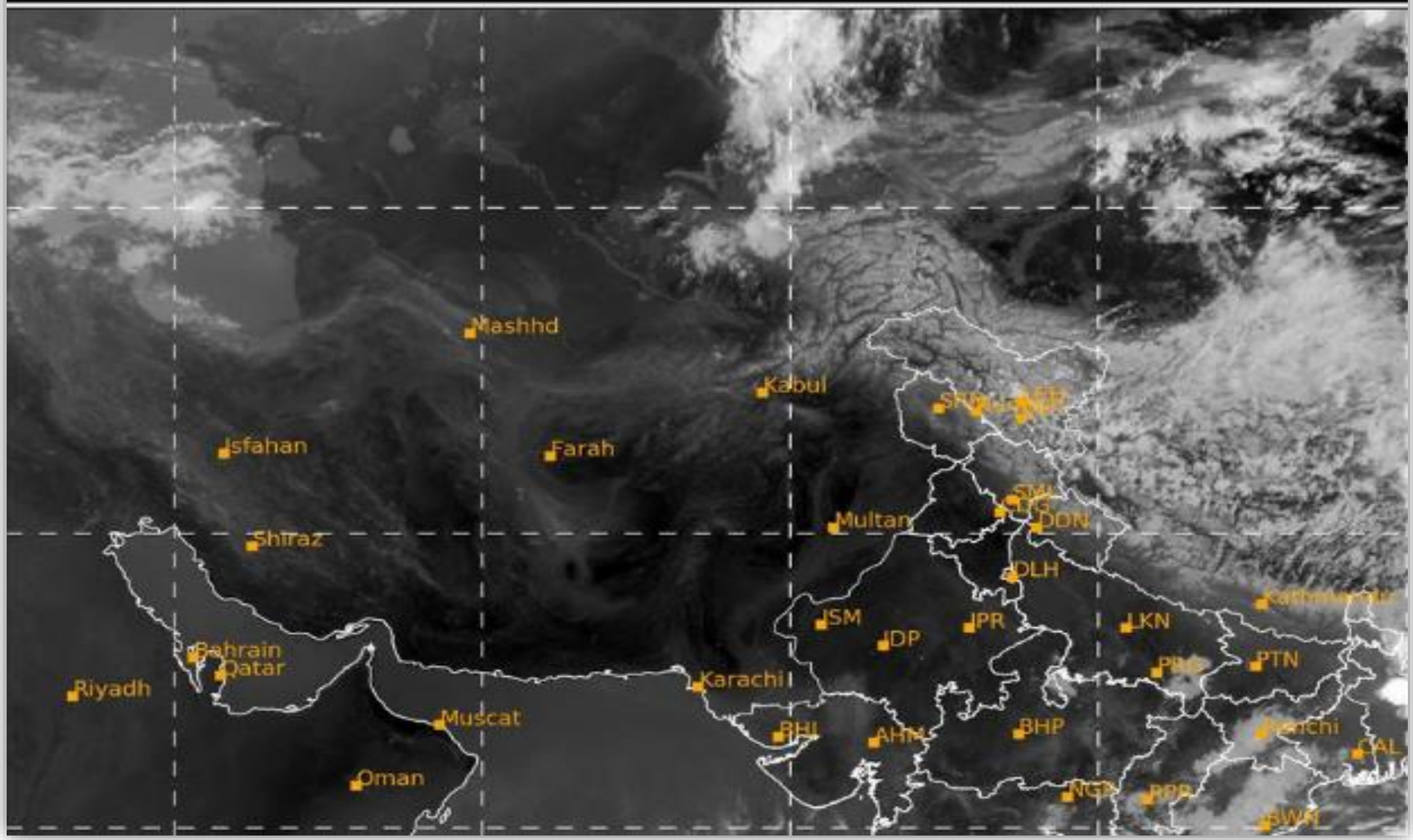
Satellite Water Vapor

Tue 06/09/2026, 10:00am GMT+0430

wet/cold — dry/warm

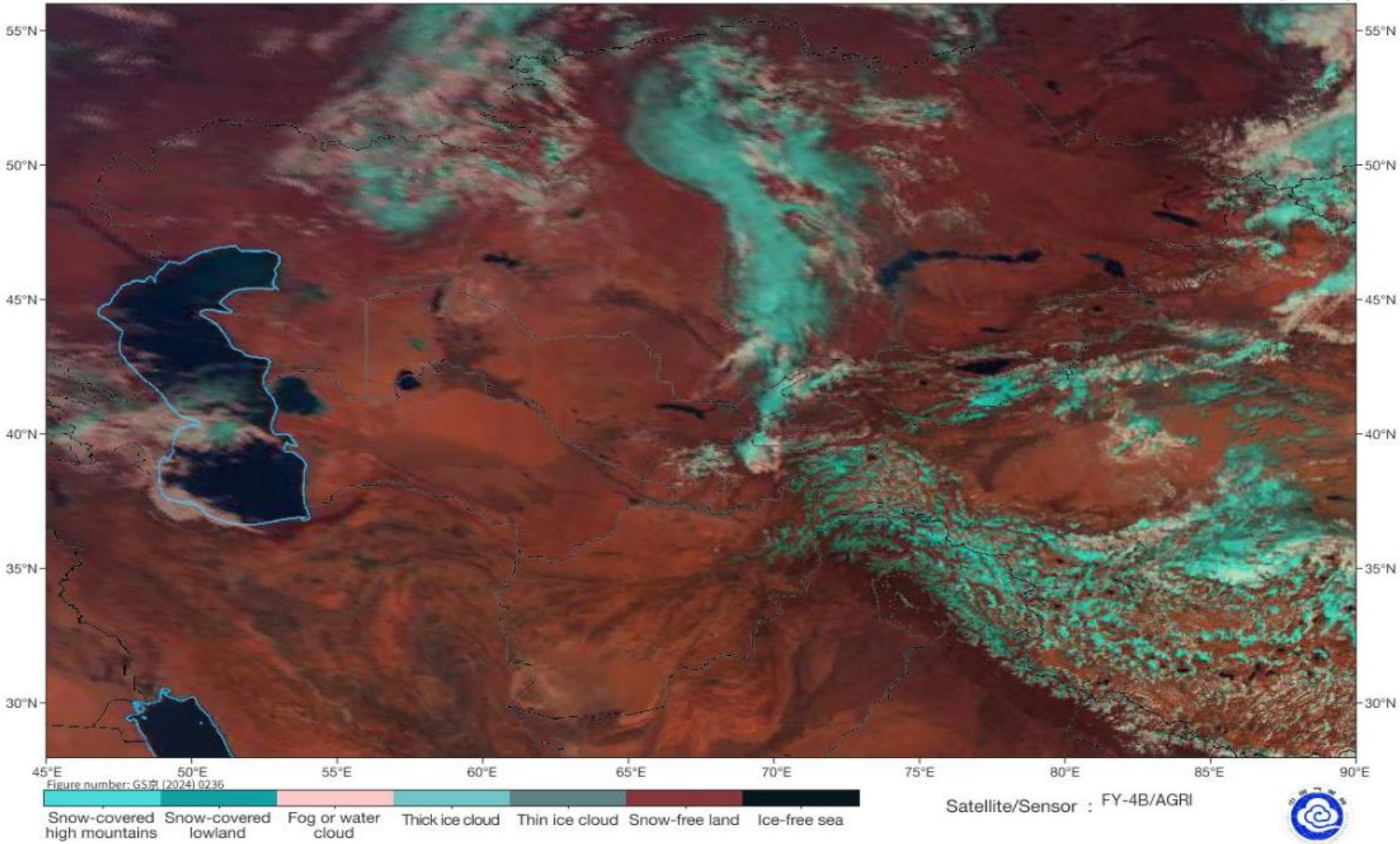
SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

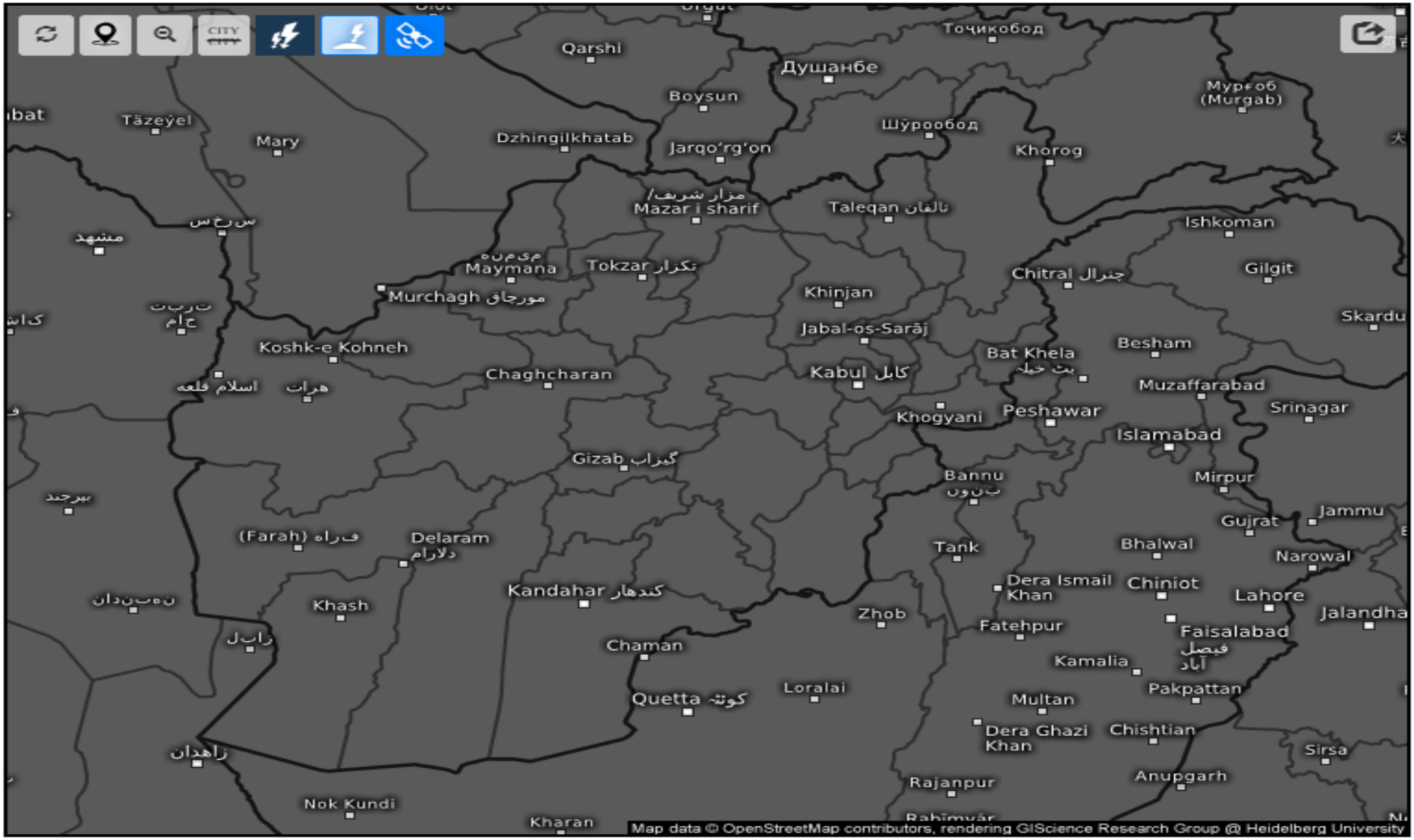
09-06-2026/(0415 to 0442) GMT
09-06-2026/(0945 to 1012) IST



Fog Identification

2026-06-09 05:30(UTC)





Age of lightning (minutes)

Tue 06/09/2026, 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