



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



Satellite General Management

Daily reports of Satellite imagery analysis. Date & Time: 21/12/2025, 03:00 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	X	
3	West	✓	X	X	✓	✓	√ moderate	X	X	
4	East	X	X	X	✓	X	√ moderate	X	X	
5	central	✓	X	X	✓	X	√ moderate	X	X	
6	Northeast	X	X	X	✓	X	√ moderate	X	X	
7	Southeast	✓	X	X	✓	✓	√ moderate	X	X	
8	Northwest	✓	X	X	✓	✓	√ moderate	X	X	
9	Southwest	✓	X	X	X	X	√ moderate	X	X	

- **Details:** According to satellite imagery analysis, the western, southwestern central, southwestern regions have cold air mass. The southeastern region have warm air mass with (low UTH). The northern, southern, western, eastern, central, northeastern, southeastern, northwestern regions have cloudy sky. The northern, western, southeastern, northwestern regions have Fog. The all regions have moderate water vapor with the exception of southern region have weak water vapor.

Note: X (Not existing phenomena), √ (exist phenomena)

- Reported by: Esmatullah Mohammadi

UTC : 2025-12-20 17:15

AirMass



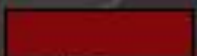
Thick,
high-level cloud



Thick,
mid-level cloud



Thick,
low-level cloud



Jet



Cold Airmass



Warm Airmass
(high UTH)



Warm Airmass
(low UTH)

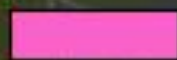
R = V
G = I
B = V

FY-4B AirMass RGB Composite (From WMO)

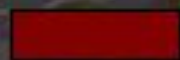


UTC : 2025-12-20 16:15

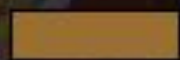
Dust



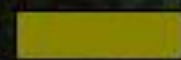
Dust



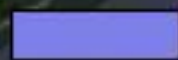
High-level cloud



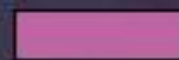
Thick,
mid-level cloud



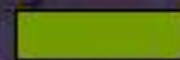
Thin,
mid-level cloud



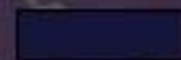
Ocean



Land



Low-level cloud

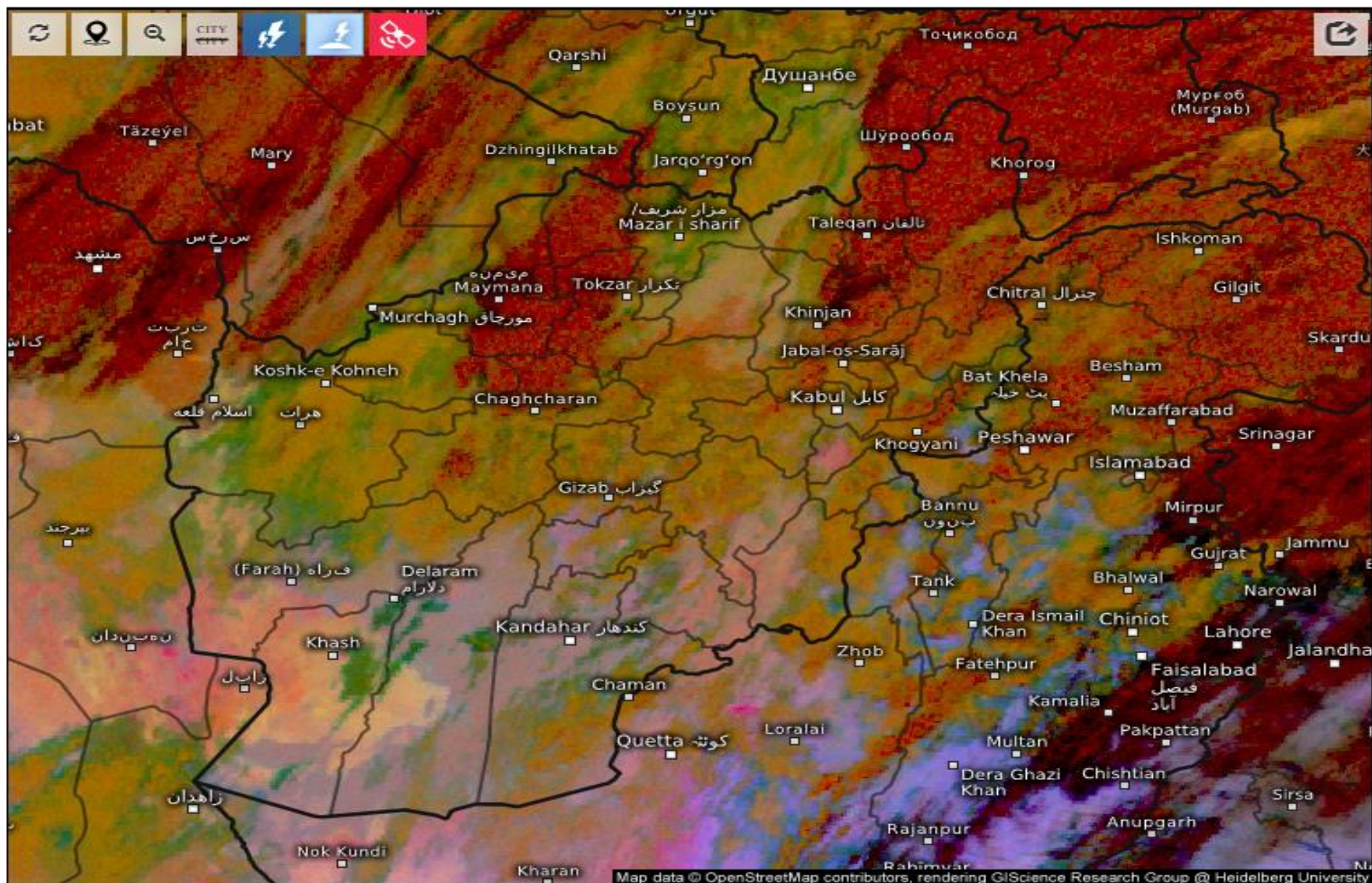


Cirrus

R = IR (1
G = IR (1
B = IR (1

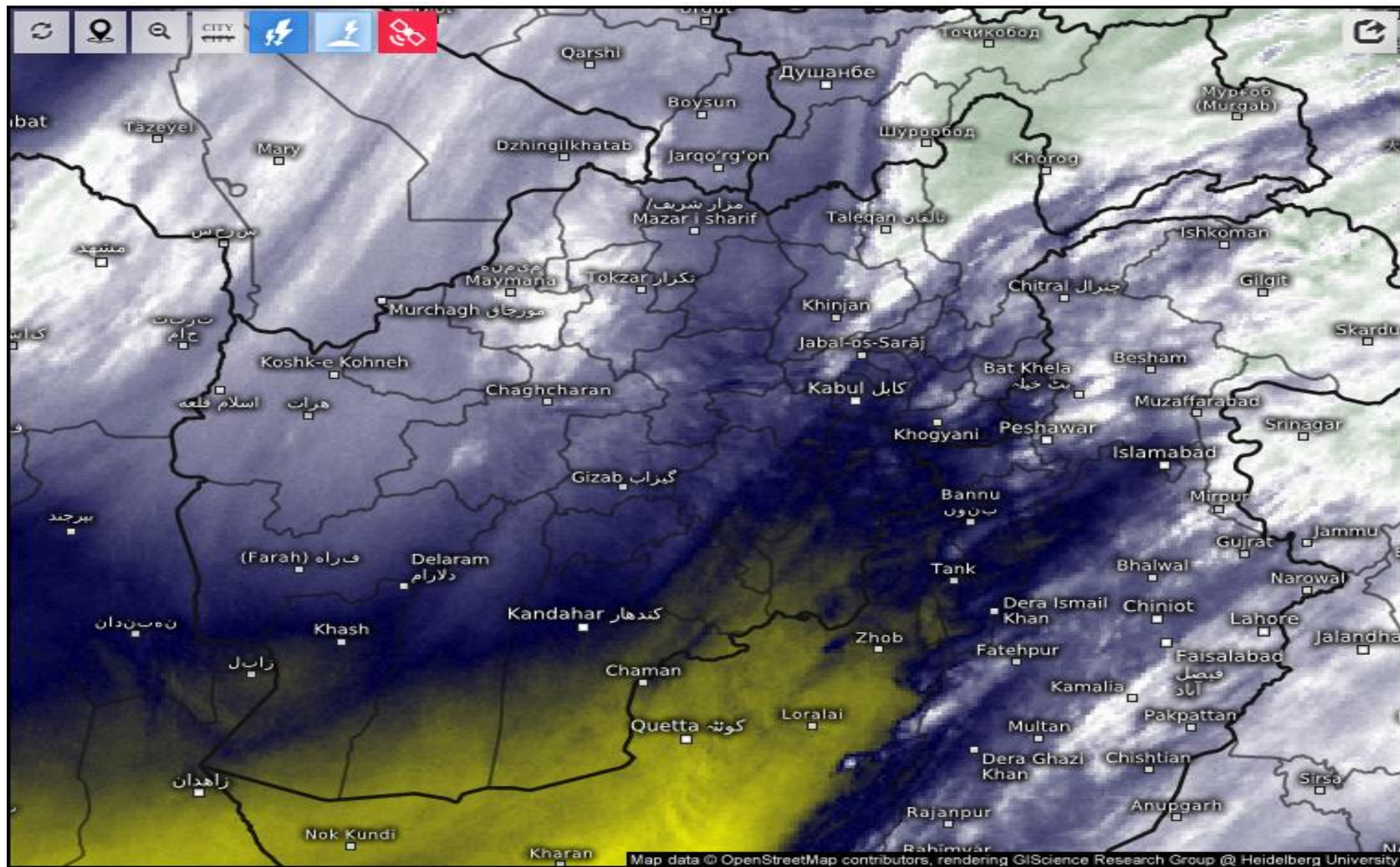
FY-4B Dust RGB Composite (From WMO)





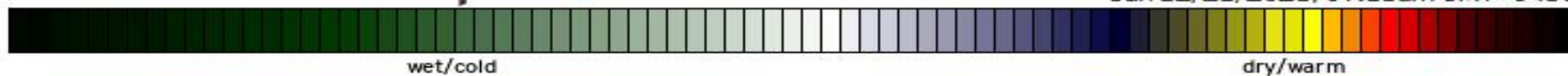
Satellite Dust 

Sun 12/21/2025, 07:15am GMT+0430



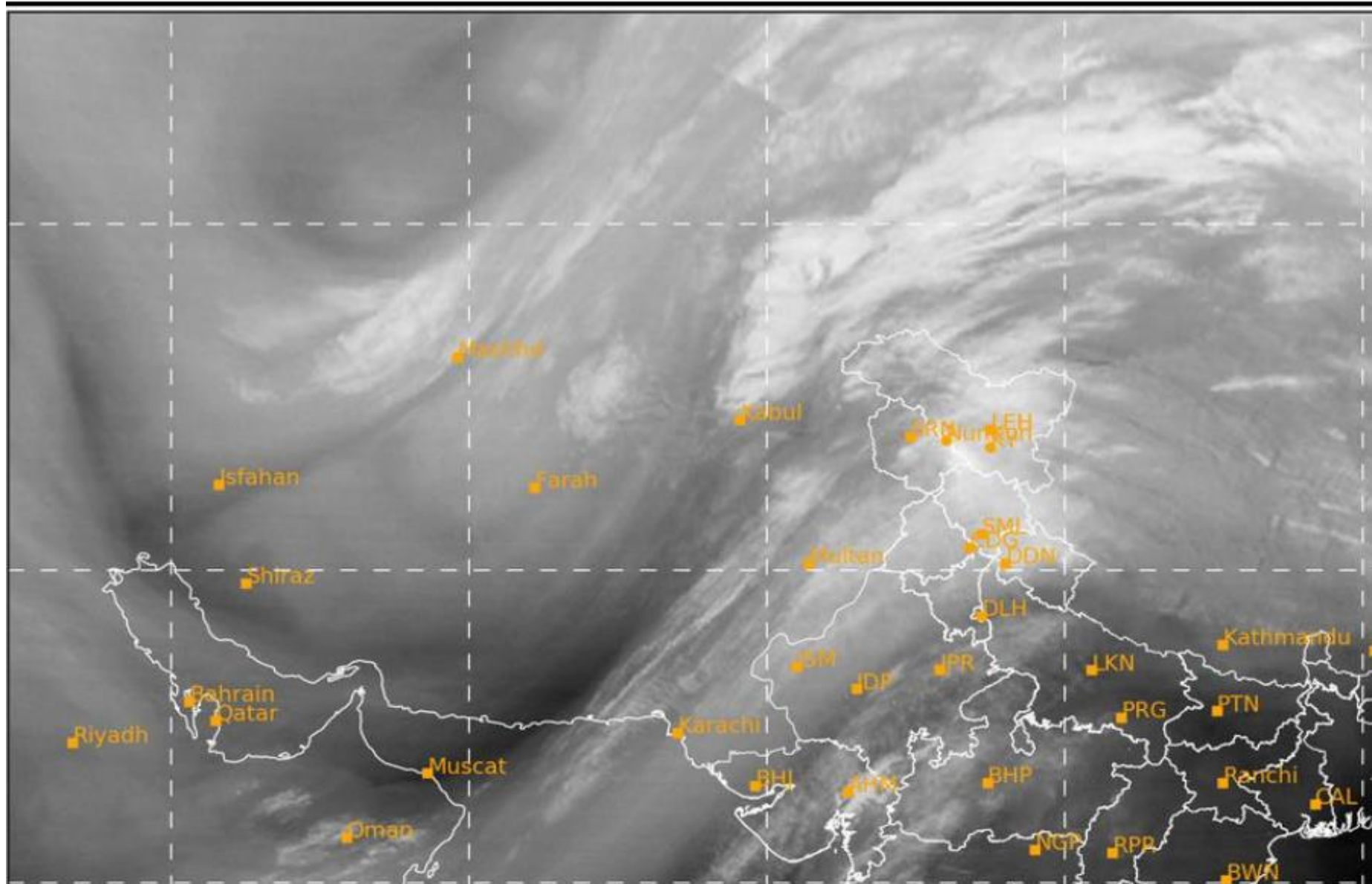
Satellite Water Vapor

Sun 12/21/2025, 07:15am GMT+0430



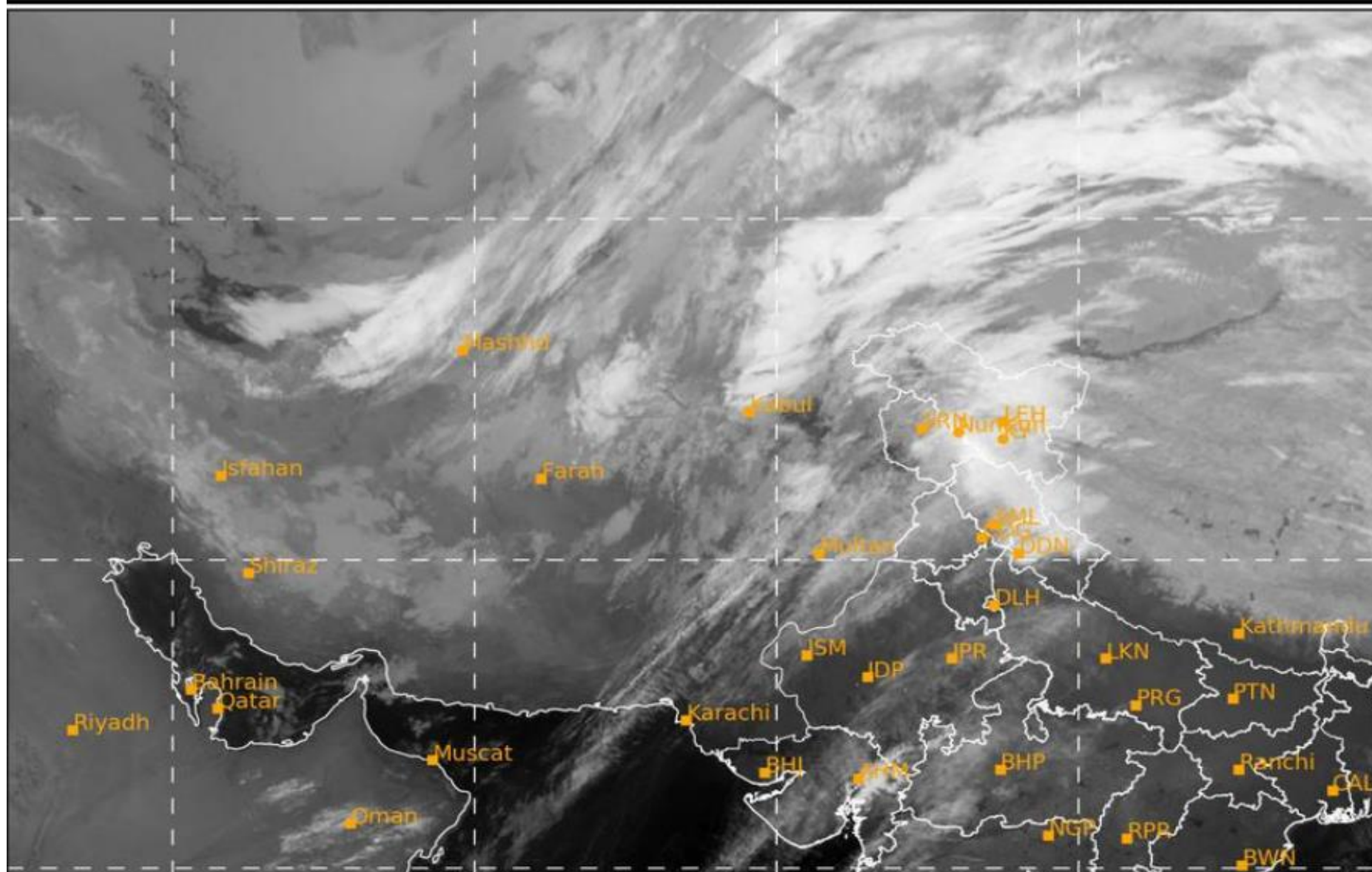
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

20-12-2025/(2315 to 2342) GMT
21-12-2025/(0445 to 0512) IST



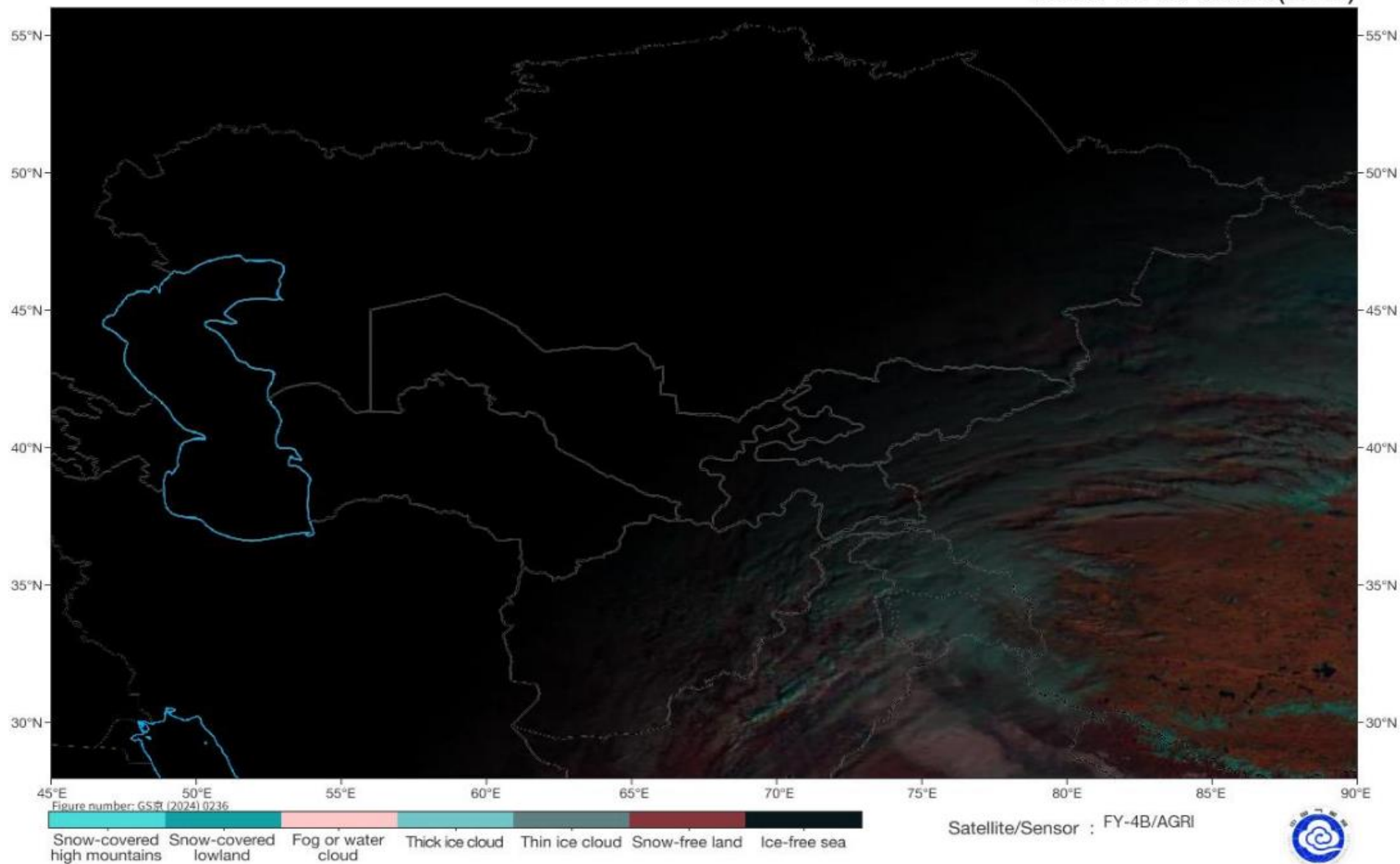
L1C Mercator

21-12-2025/(0445 to 0512) IST



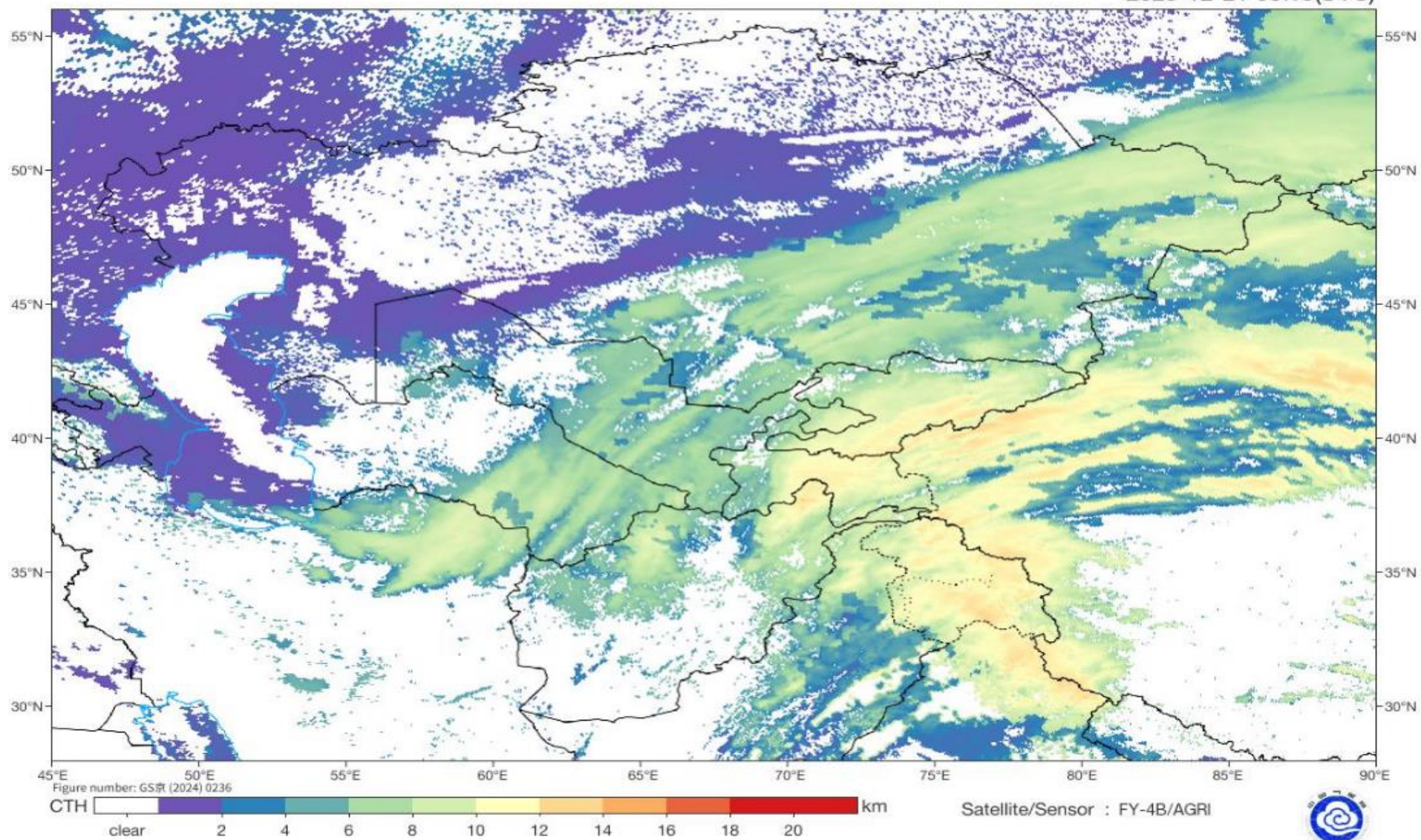
Fog Identification

2025-12-21 03:30(UTC)



Cloud Top Height

2025-12-21 03:15(UTC)



Live satellite map, Afghanistan

