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

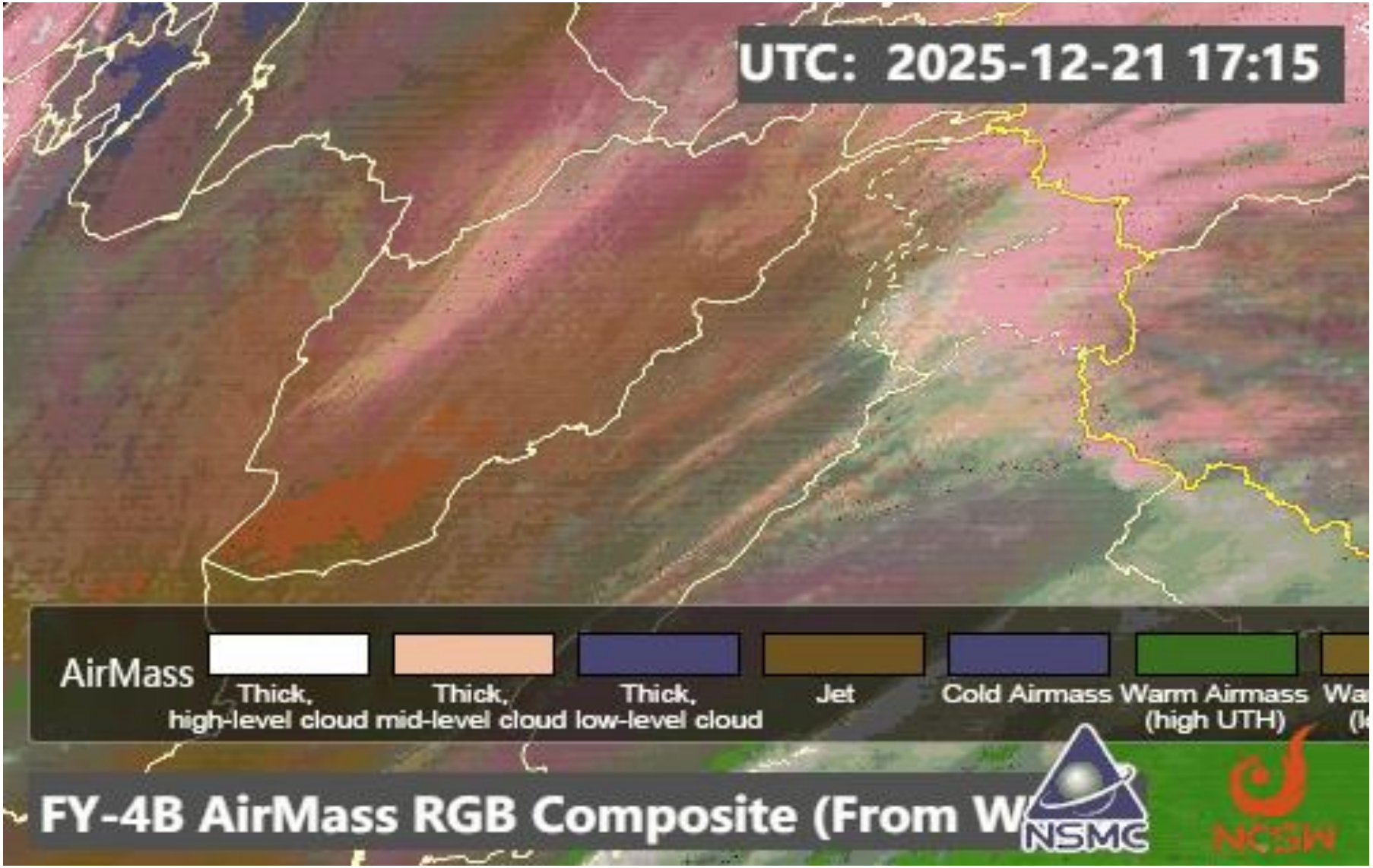
Daily reports of Satellite imagery analysis. Date & Time: 22/12/2025, 03:00 UTC

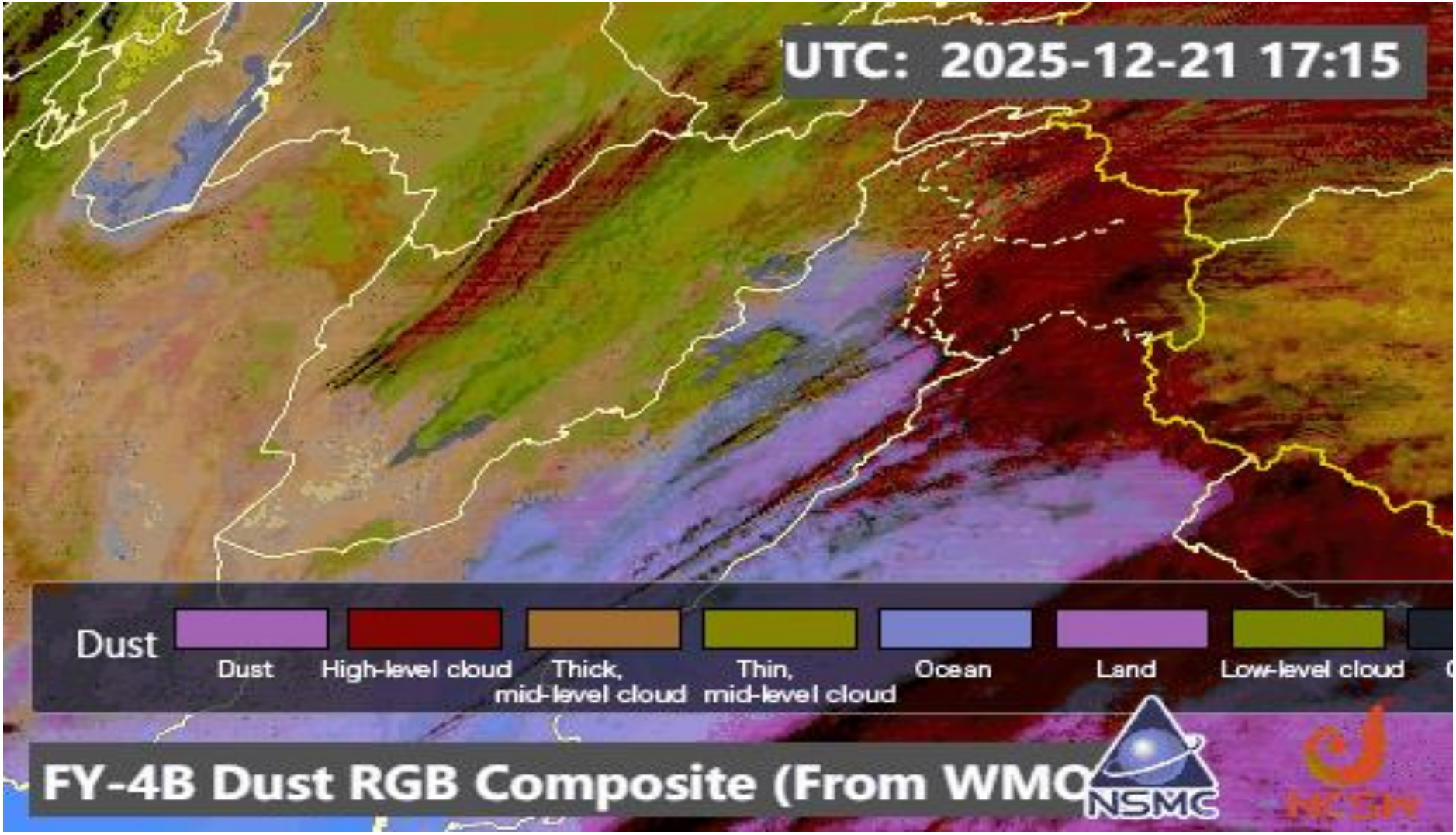
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	X	X	X	✓	X	√ moderate	X	X	
2	South	X	X	X	X	X	√ weak	X	X	
3	West	✓	X	X	X	X	√ weak	X	X	
4	East	X	X	X	✓	X	√ moderate	X	X	
5	central	✓	X	X	✓	X	√ moderate	X	X	
6	Northeast	✓	X	X	✓	X	√ moderate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

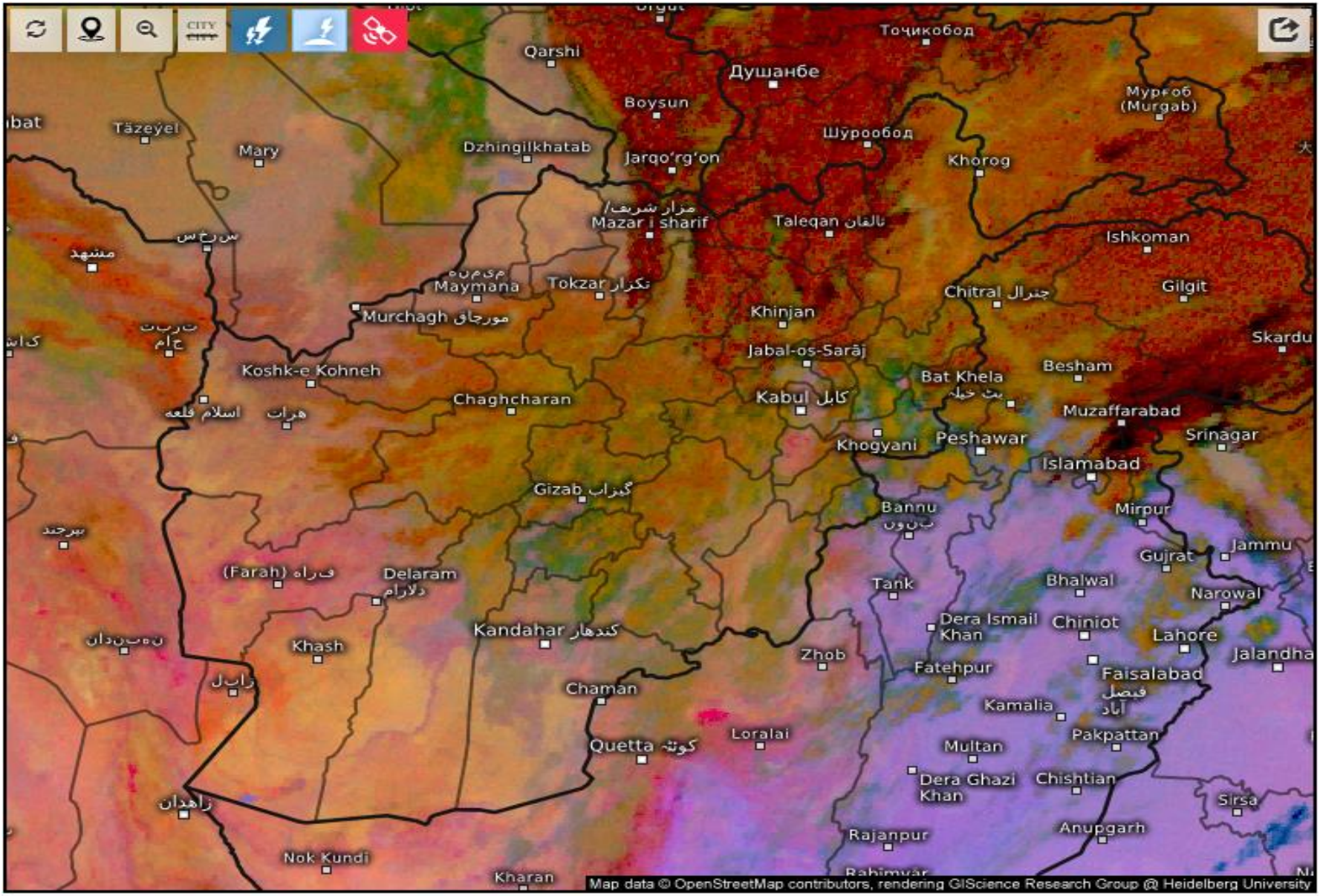
Details: according to satellite imagery analysis the western, central, northeastern and southwestern regions have cold air mass also the southeastern, northwestern region have warm air mass (Low UTH). The northern, eastern, northeastern regions have cloudy sky and some part of central region are partly cloudy. The southeastern regions have Fog. The northern, eastern, central, northeastern regions have moderate water vapor and the southern, western, southeastern, northwestern, southwestern regions have weak water vapor.

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

- Reported by: Esmatullah Mohammadi

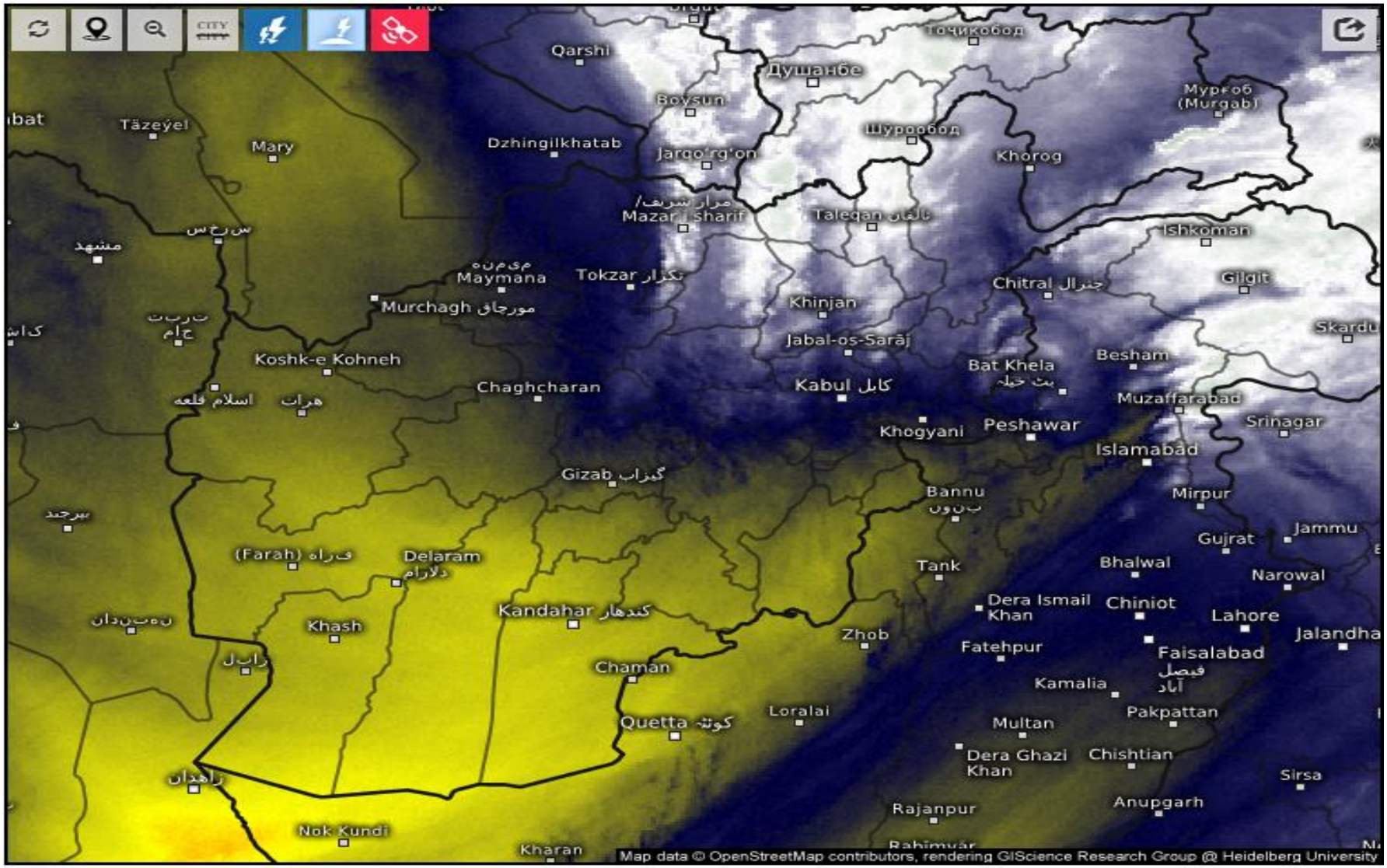

UTC: 2025-12-21 17:15
AirMass
Thick, high-level cloud
Thick, mid-level cloud
Thick, low-level cloud
Jet
Cold Airmass
Warm Airmass (high UTH)
FY-4B AirMass RGB Composite (From W
NSMC
NCSW


UTC: 2025-12-21 17:15
Dust
Dust
High-level cloud
Thick, mid-level cloud
Thin, mid-level cloud
Ocean
Land
Low-level cloud
FY-4B Dust RGB Composite (From WMO
NSMC



Satellite Dust

Mon 12/22/2025, 07:15am GMT+0430



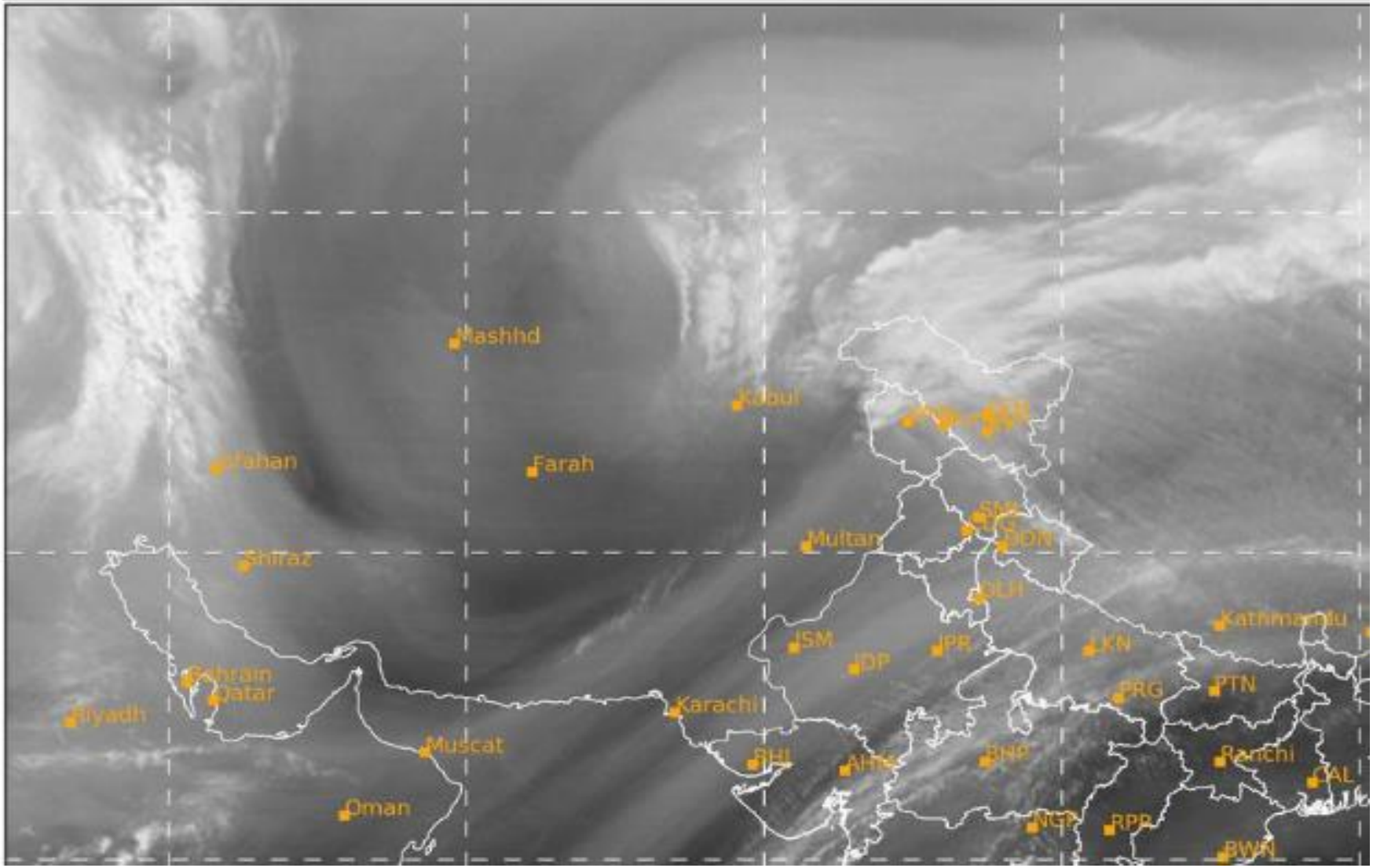
Satellite Water Vapor

Mon 12/22/2025, 07:15am GMT+0430

wet/cold — dry/warm

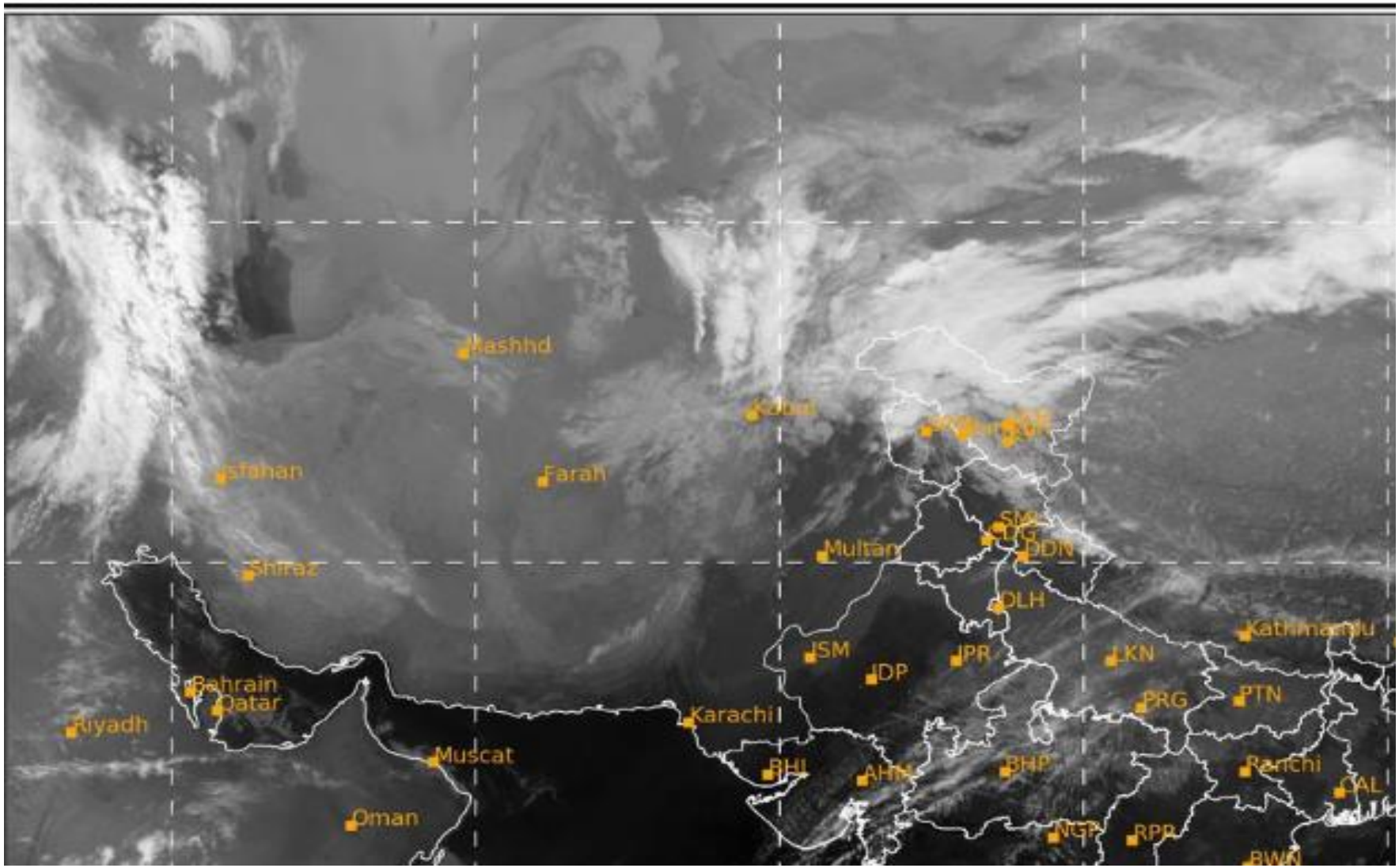
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

22-12-2025/(0345 to 0412) GMT
22-12-2025/(0915 to 0942) IST



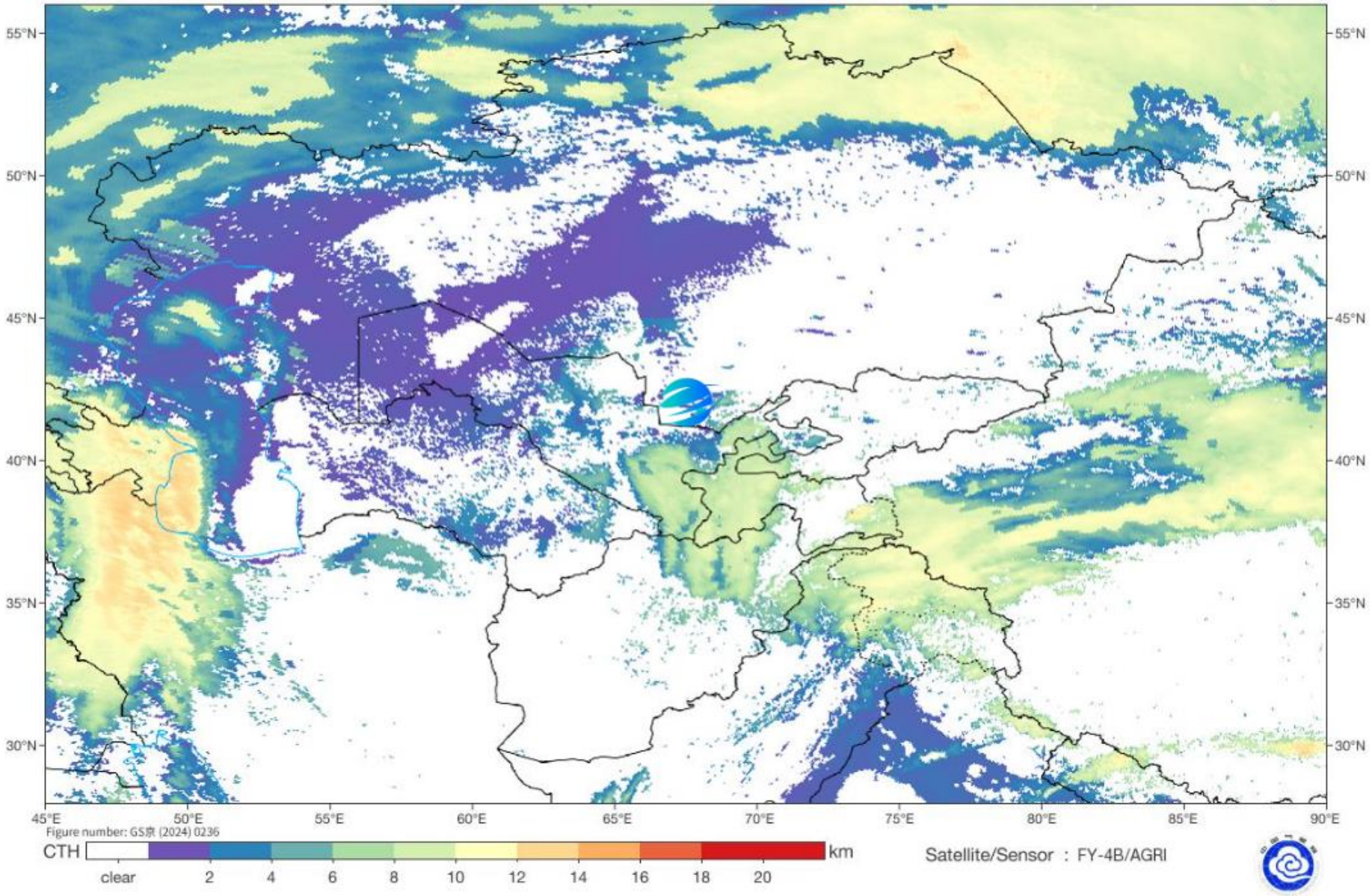
SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

22-12-2025/(0345 to 0412) GMT
22-12-2025/(0915 to 0942) IST



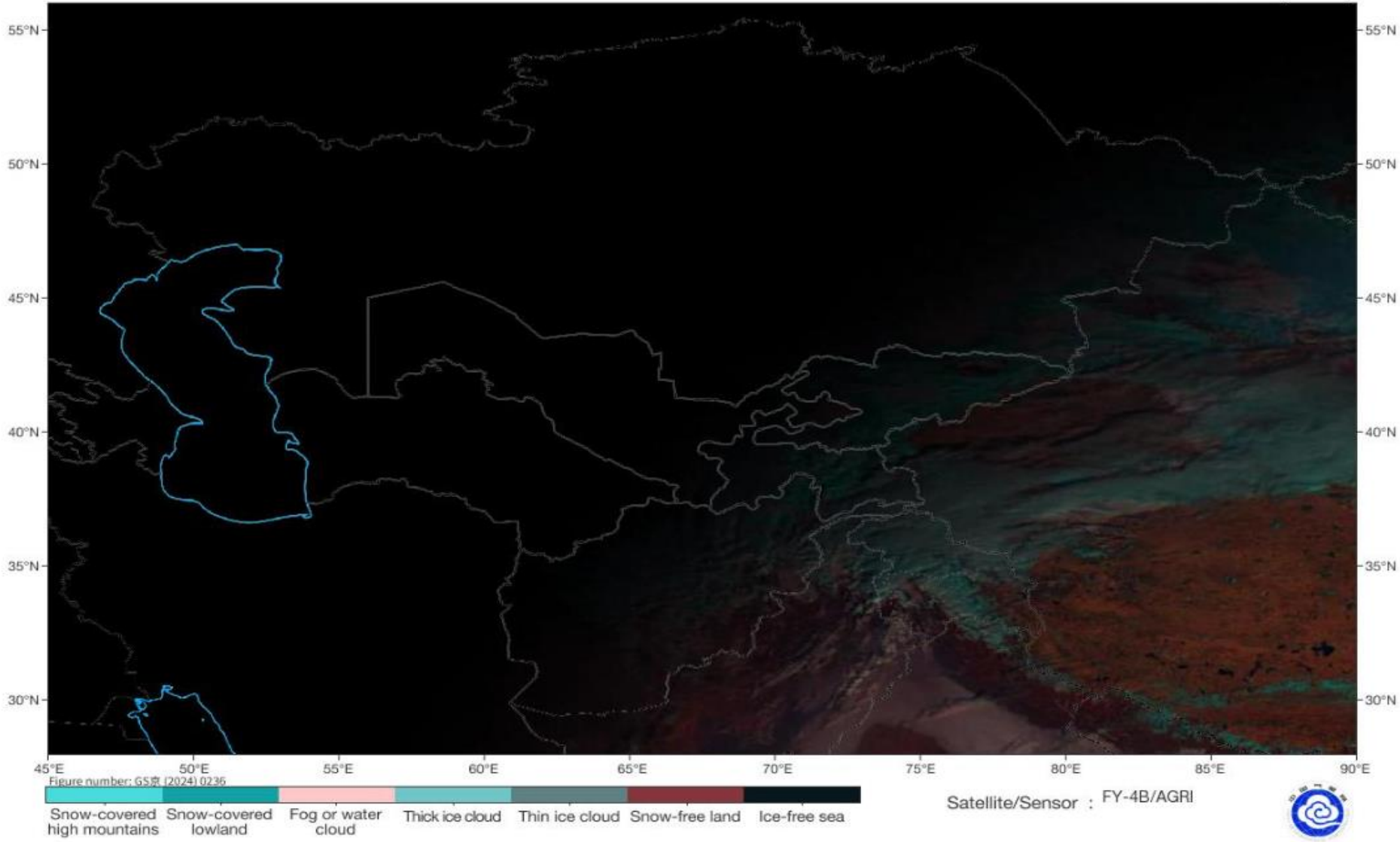
Cloud Top Height

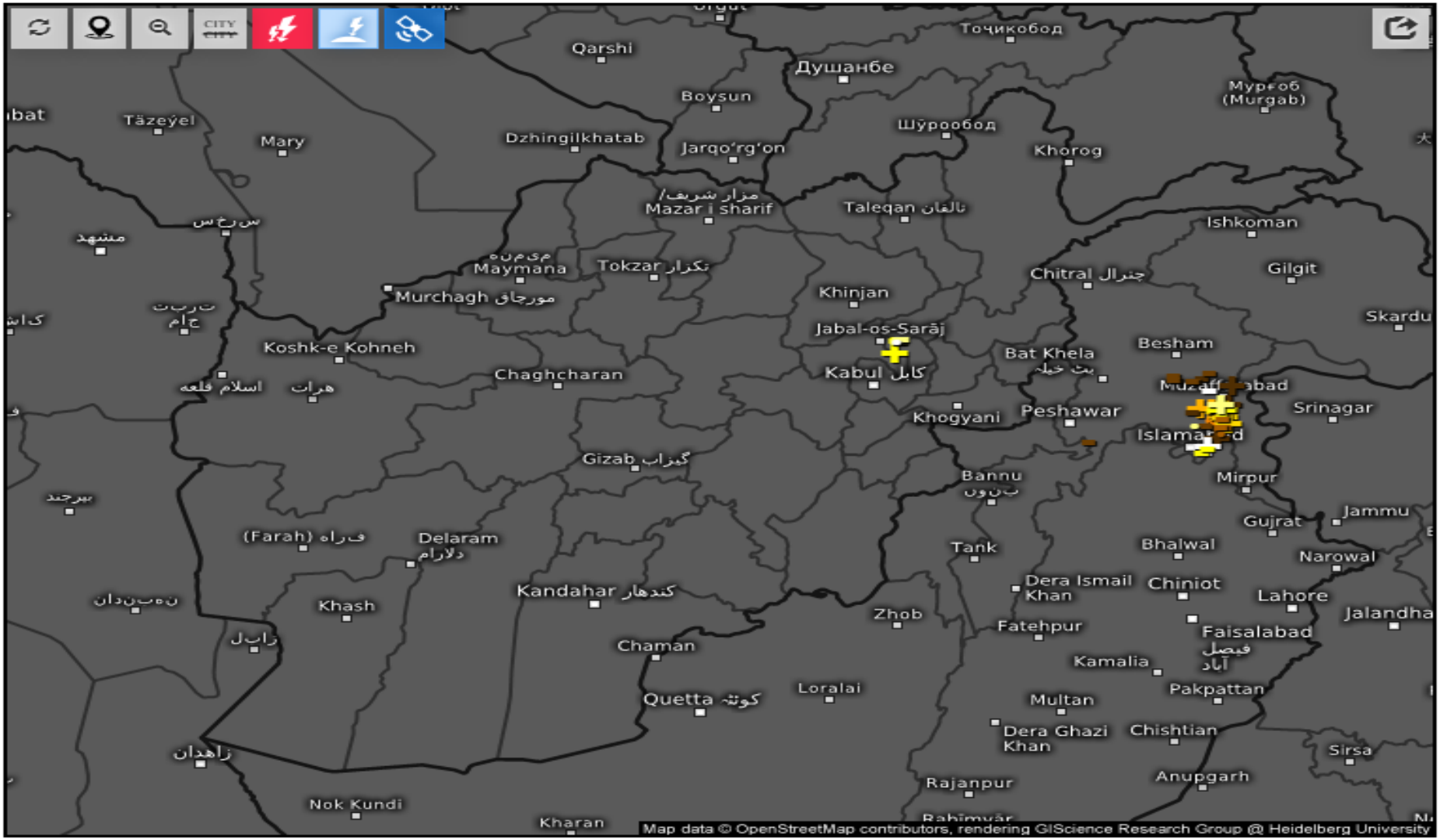
2025-12-22 03:15(UTC)



Fog Identification

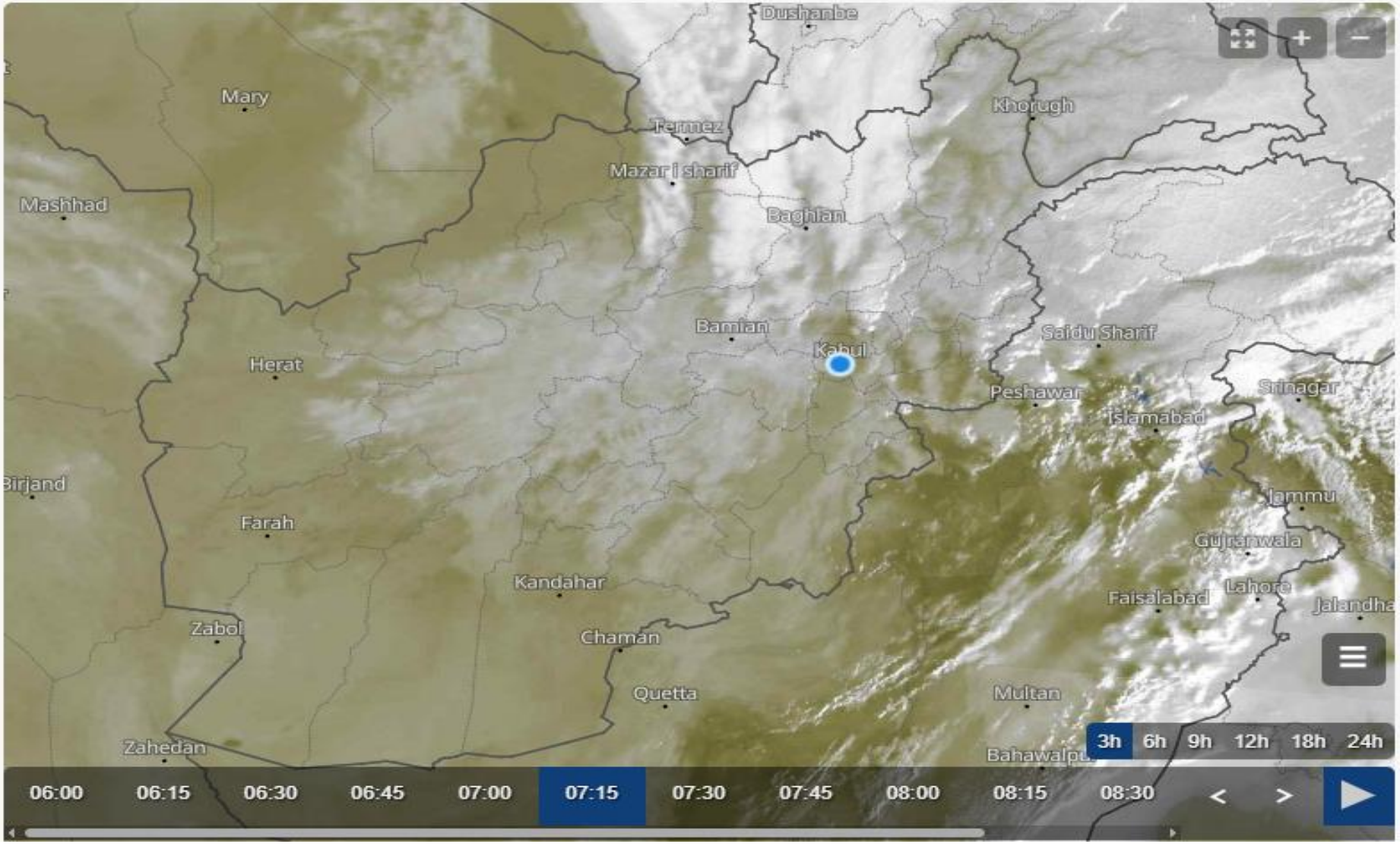
2025-12-22 03:30(UTC)





Age of lightning (minutes)

Mon 12/22/2025, 07:15am 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

Live satellite map, Afghanistan