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

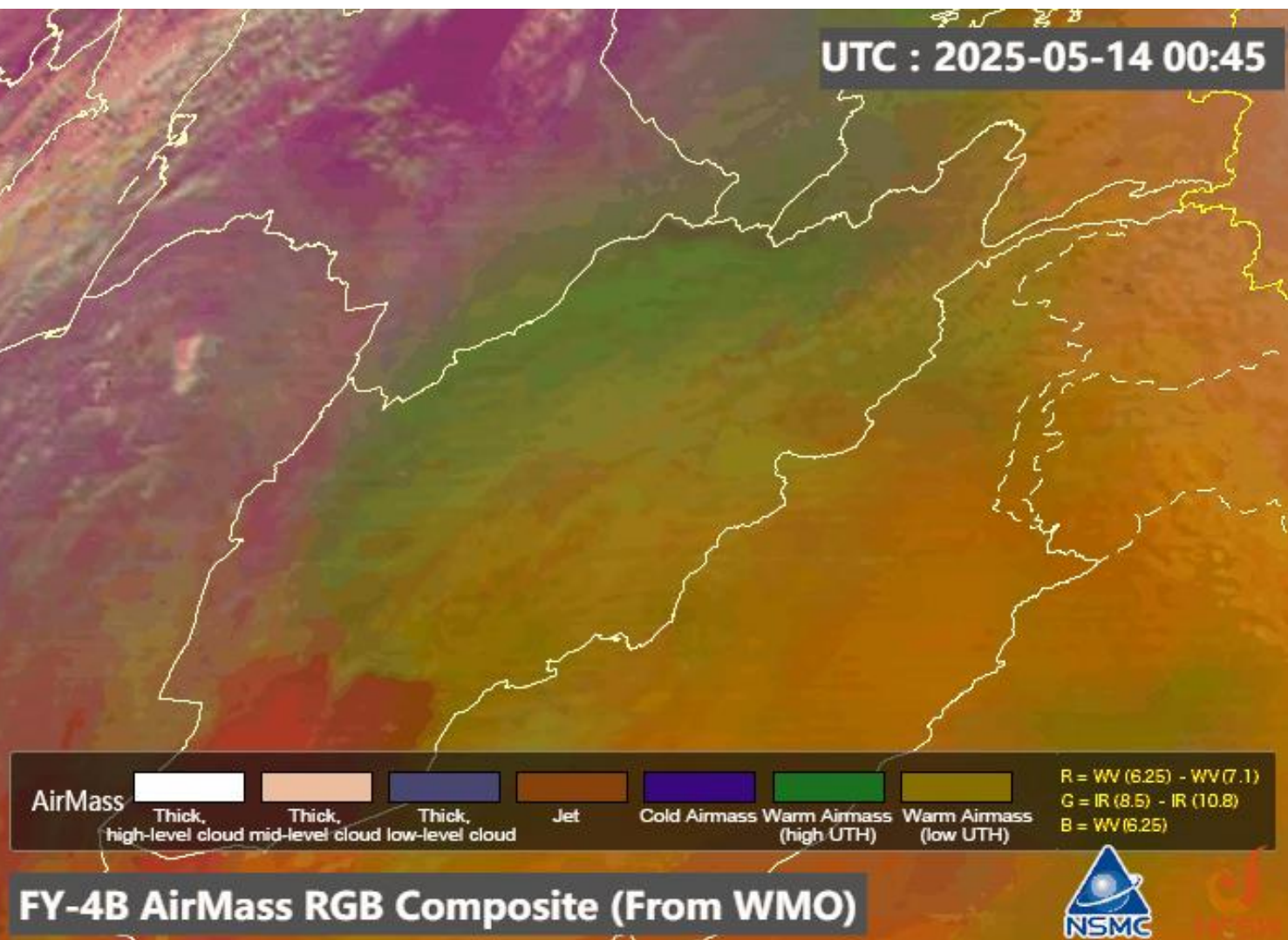Daily reports of Satellite imagery analysis. Date & Time: 14/05/2025, 03:00 UTC, Number of reports: 972

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	√ Weak	X	X	
3	West	✔	✔	X	X	X	√ Weak	X	X	
4	East	✔	X	X	X	X	√ Weak	X	X	
5	central	✔	✔	X	X	X	√ Weak	X	X	
6	Northeast	✔	X	X	X	X	√ moderate	X	X	
7	Southeast	✔	✔	X	X	X	√ Weak	X	X	
8	Northwest	✔	X	X	X	X	√ moderate	X	X	
9	Southwest	✔	X	X	X	X	√ Weak	X	X	

Details: According to satellite imagery analysis, the western and northeastern areas have cold air mass. The northern, southern, eastern, central, southeastern, northwestern, and southwestern areas have warm air mass. The northern, southern, western, central, and southeastern, areas have dust. The northern, northeastern, and northwestern areas have moderate water vapor. The southern, western, eastern, central, southeastern, and southwestern areas have weak water vapor.
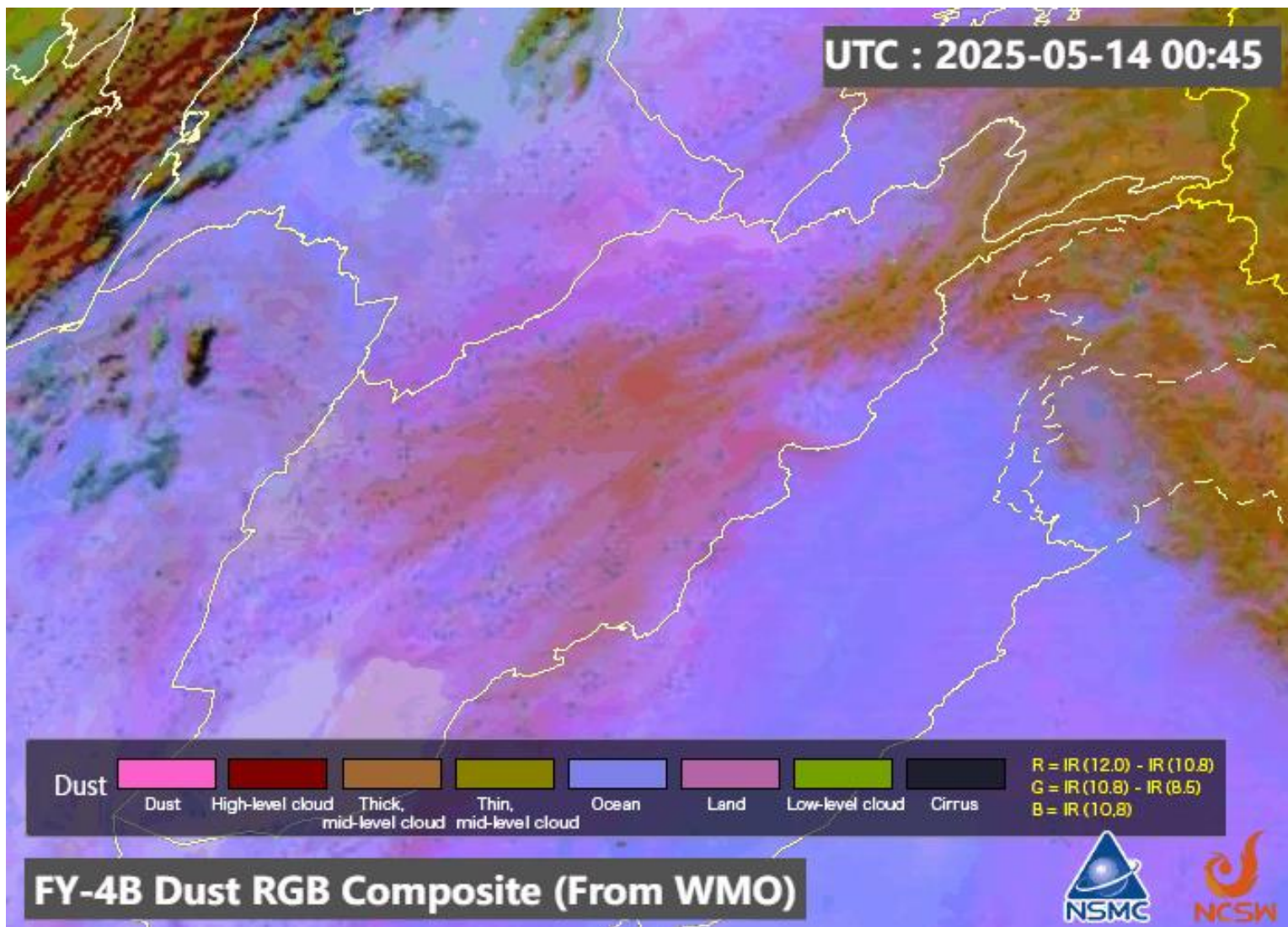
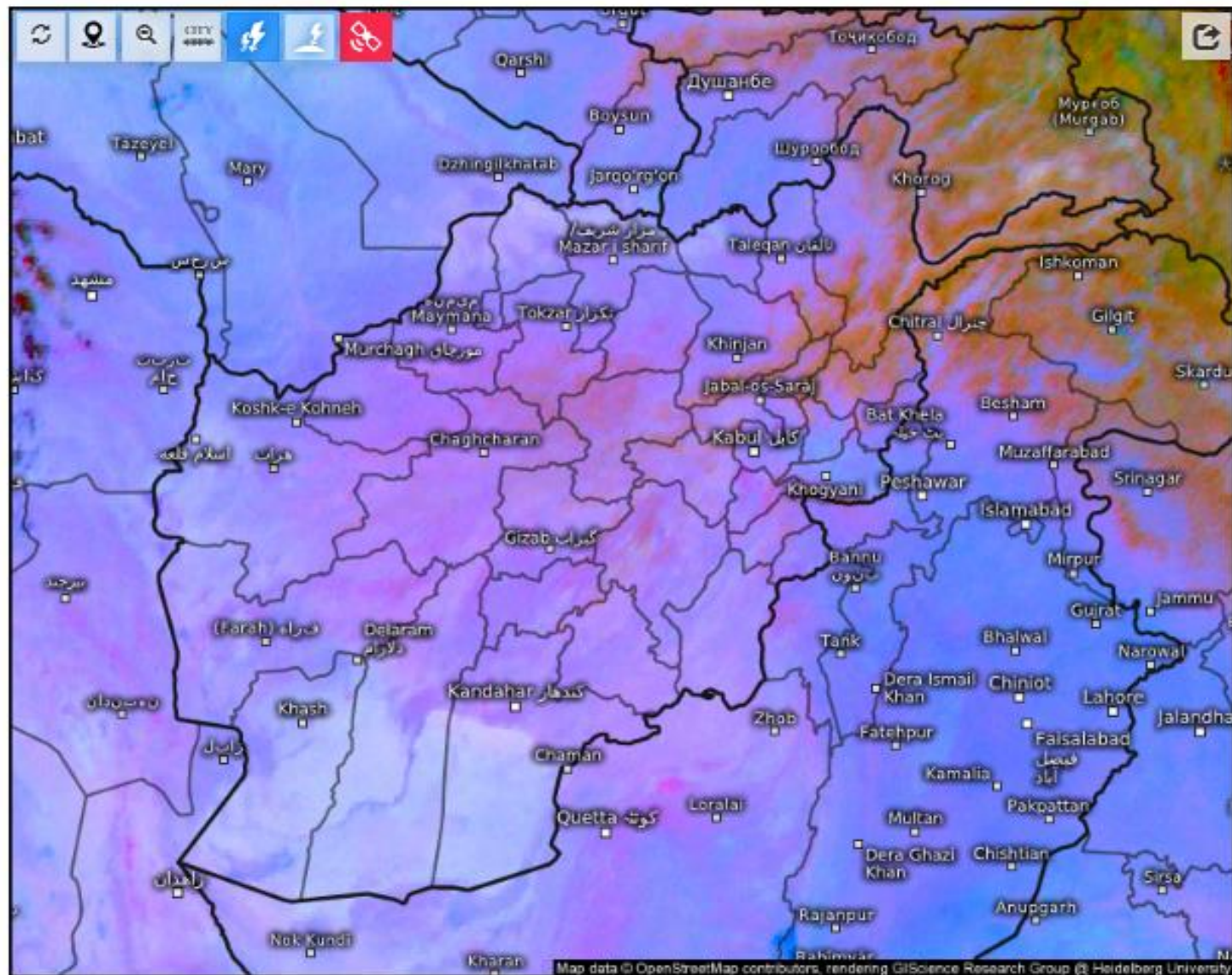 Note: X (Not existing phenomena), √ (exist phenomena)

- Reported by: Sayed Taher Atlas
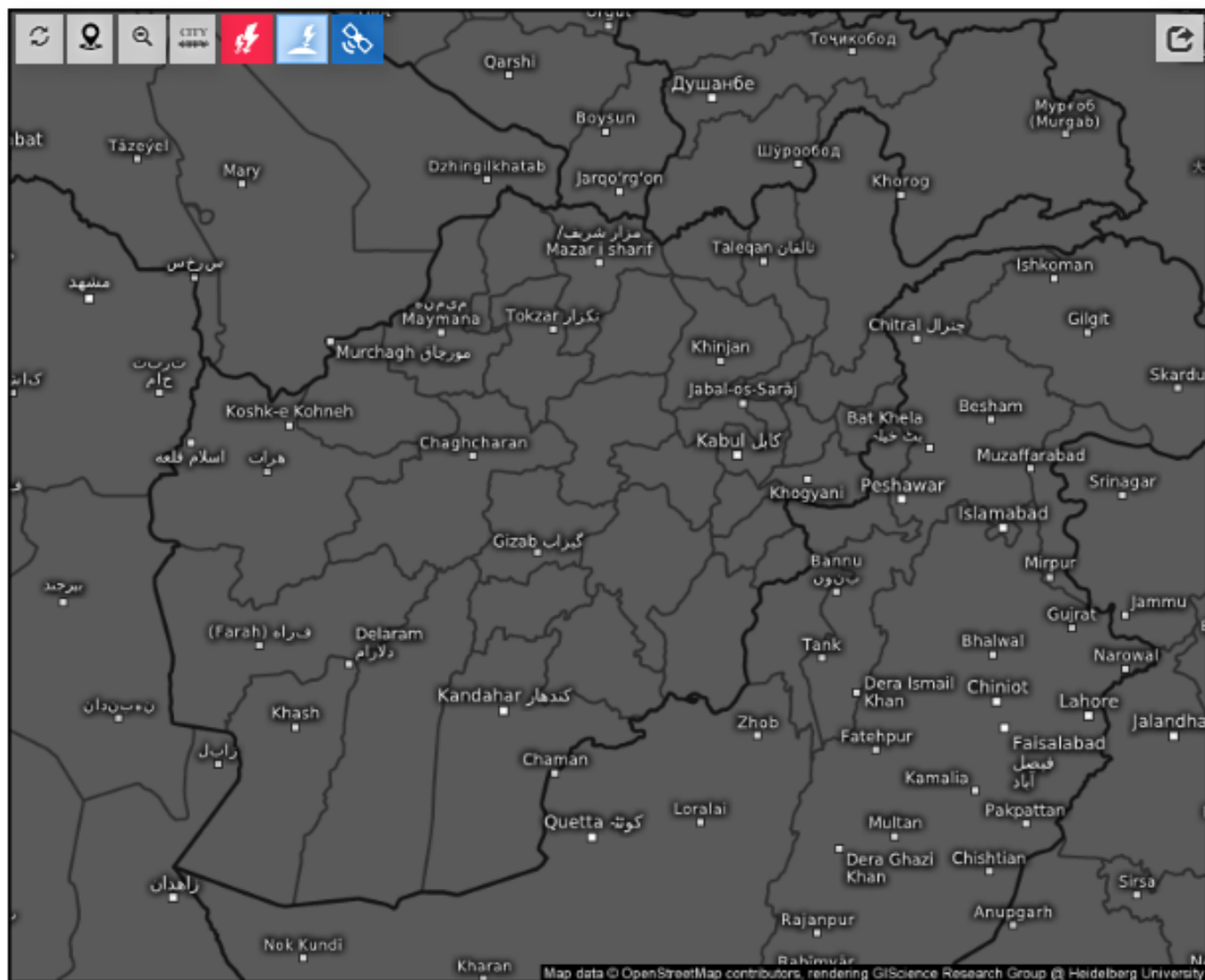
UTC : 2025-05-14 00:45

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)

NSMC

UTC : 2025-05-14 00:45

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)
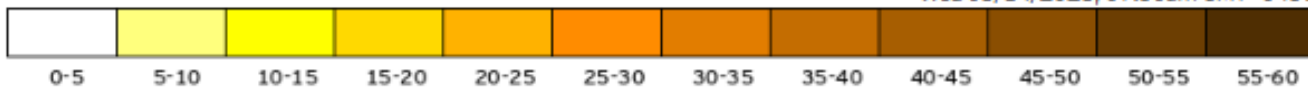
NSMC   NCSW

Satellite Dust ℹ️

Wed 05/14/2025, 07:30am GMT+0430

Age of lightning (minutes) ℹ️

Wed 05/14/2025, 07:30am 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
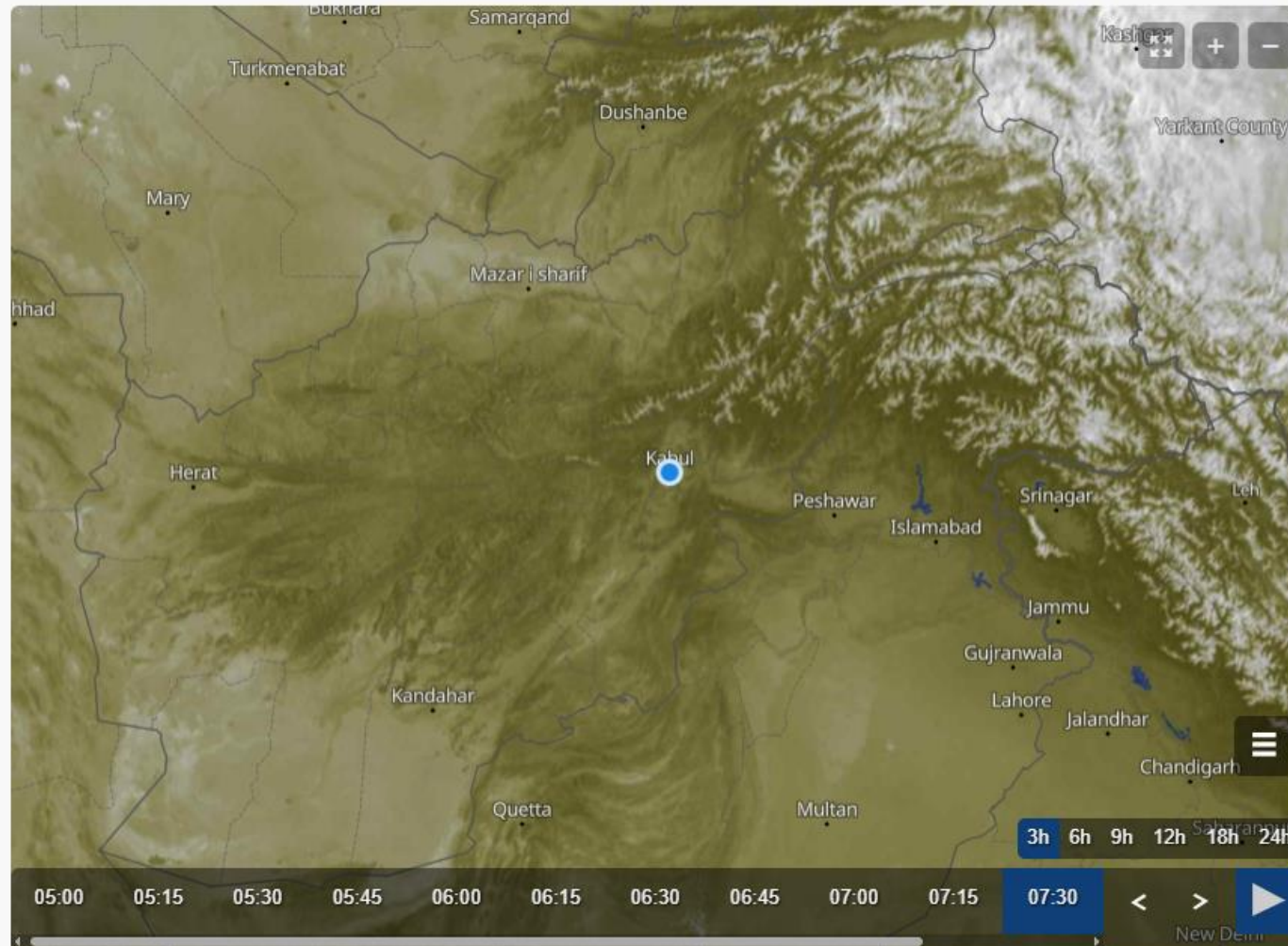
Cloud Top Height

2025-05-14 03:00(UTC)

Figure number: GS京 (2024) 0236

CTH

clear   2   4   6   8   10   12   14   16   18   20   km

Satellite/Sensor : FY4B/AGRI

SAT : INSAT-3DR IMG   14-05-2025/(0245 to 0312) GMT
Night Microphysics: TIR2_BT-TIR1_BT (R), TIR1_BT-MIR_BT (G), TIR1_BT (B)
L1C Mercator   14-05-2025/(0815 to 0842) IST

0   100% 0   60% 203   323K

Fog   Low Clouds   Mid Orographic Cloud   CB   Snow   Dust
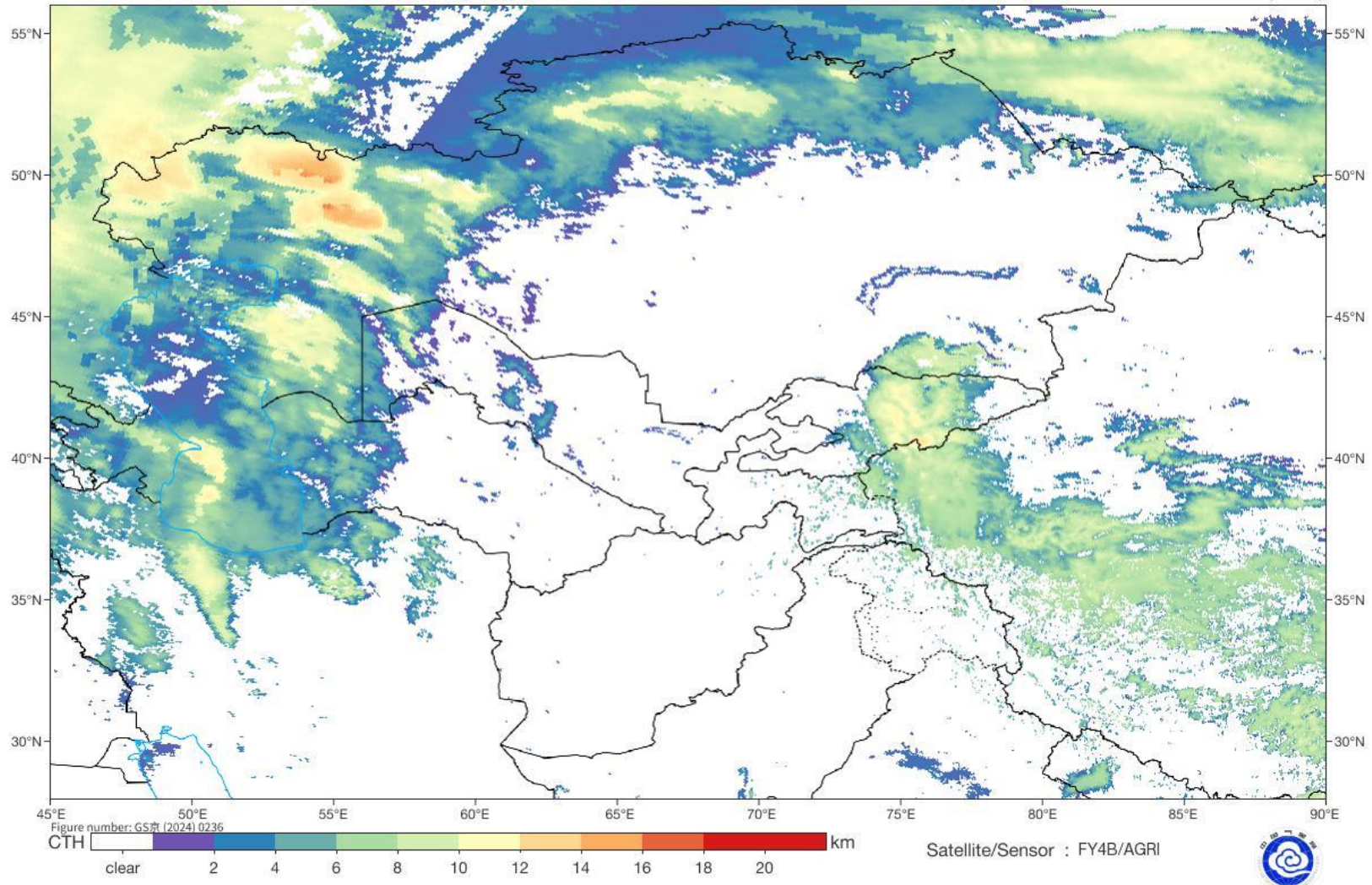
SAT : INSAT-3DR IMG   14-05-2025/(0245 to 0312) GMT
IMG_TIR1 10.8 um   14-05-2025/(0815 to 0842) IST
L1C Mercator
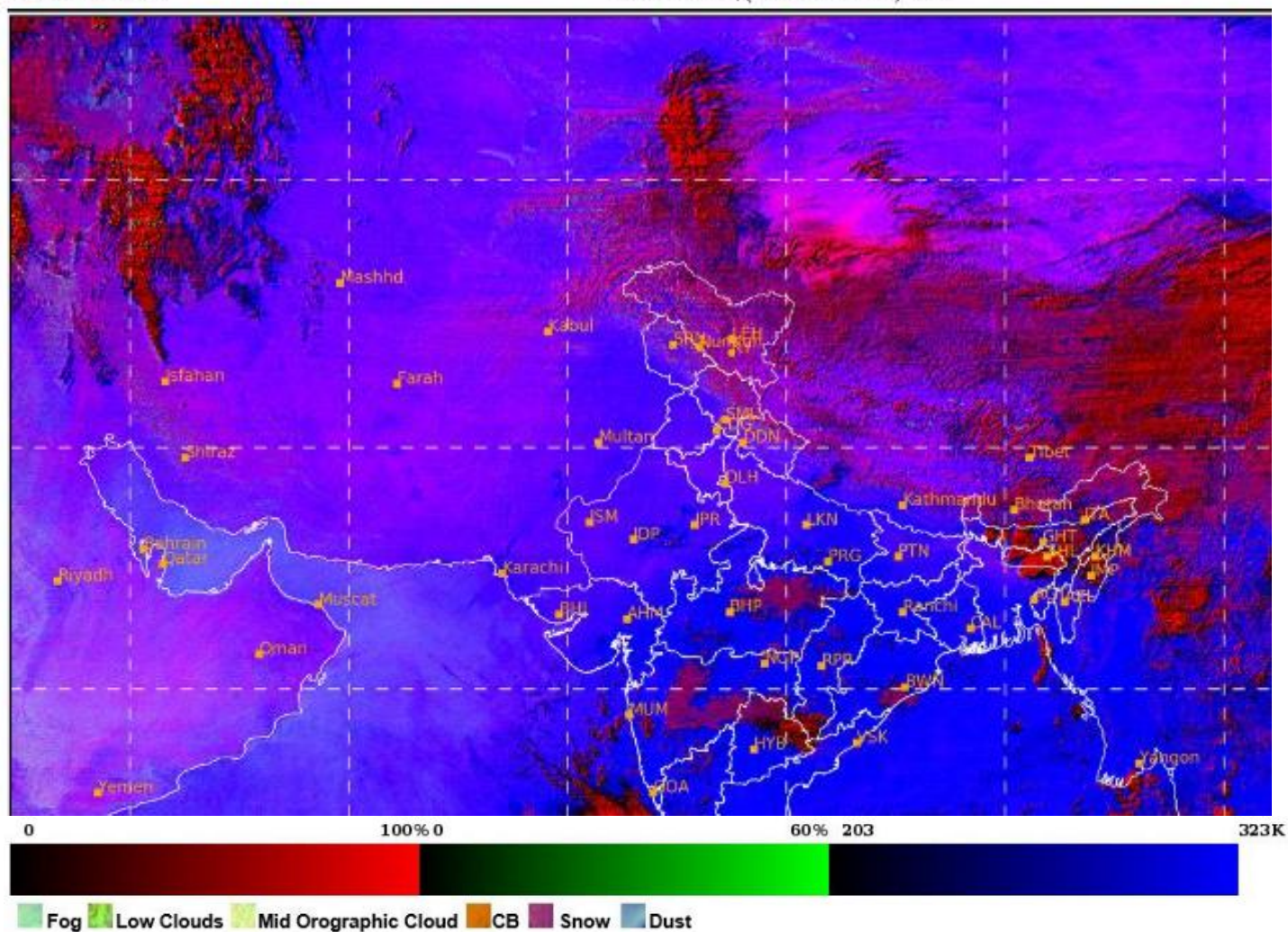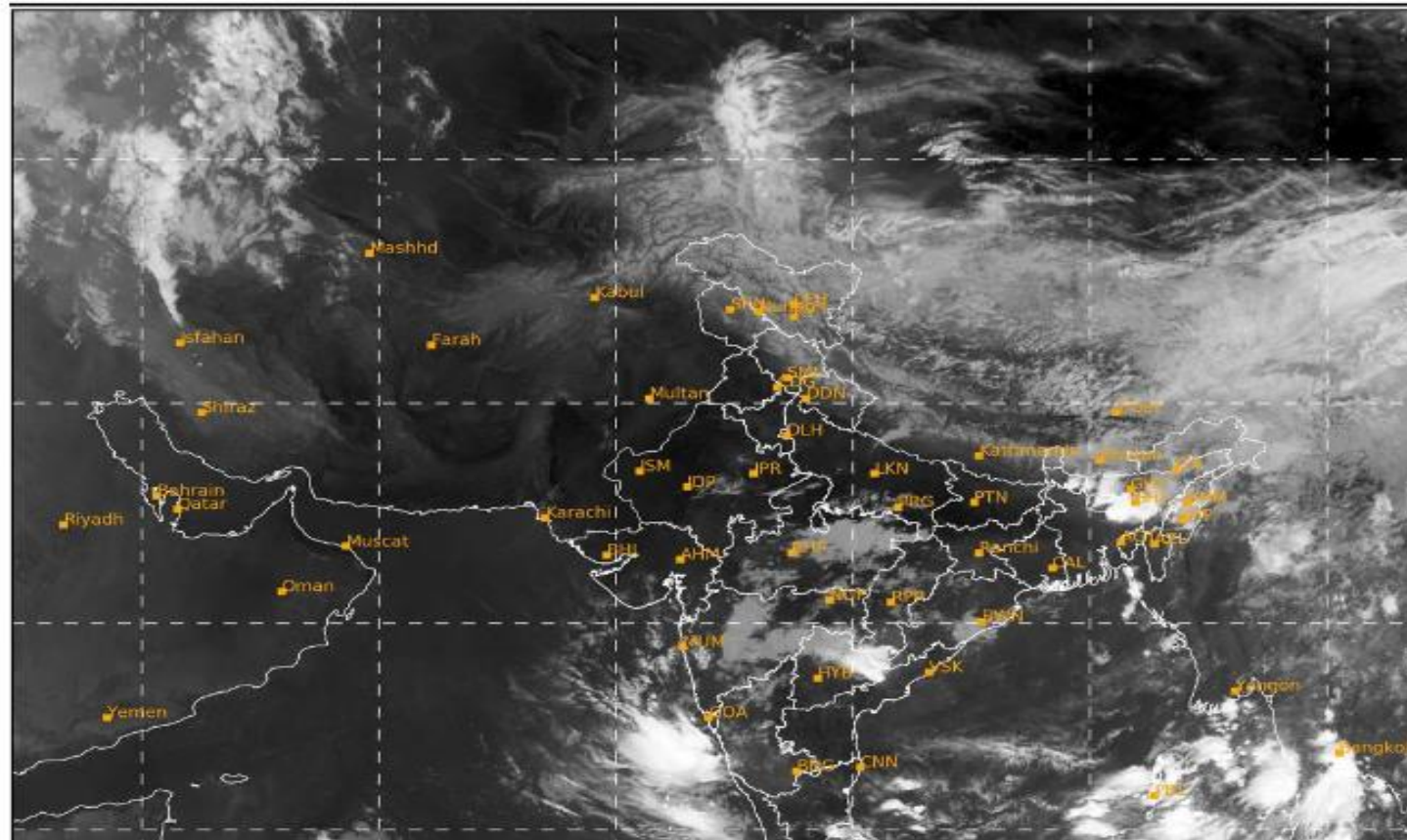
Fog Identification

2025-05-14 03:00(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 : FY4B/AGRI
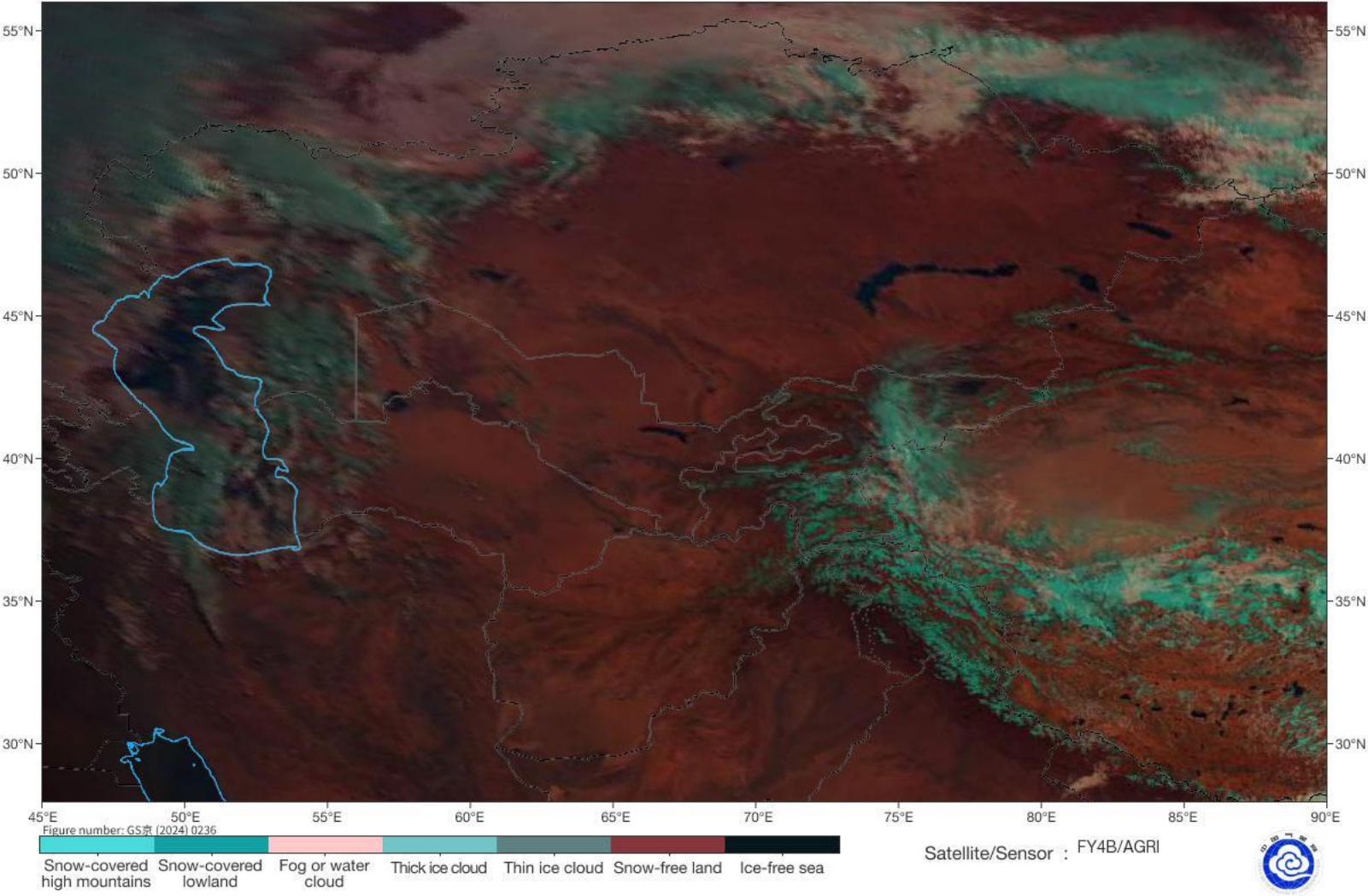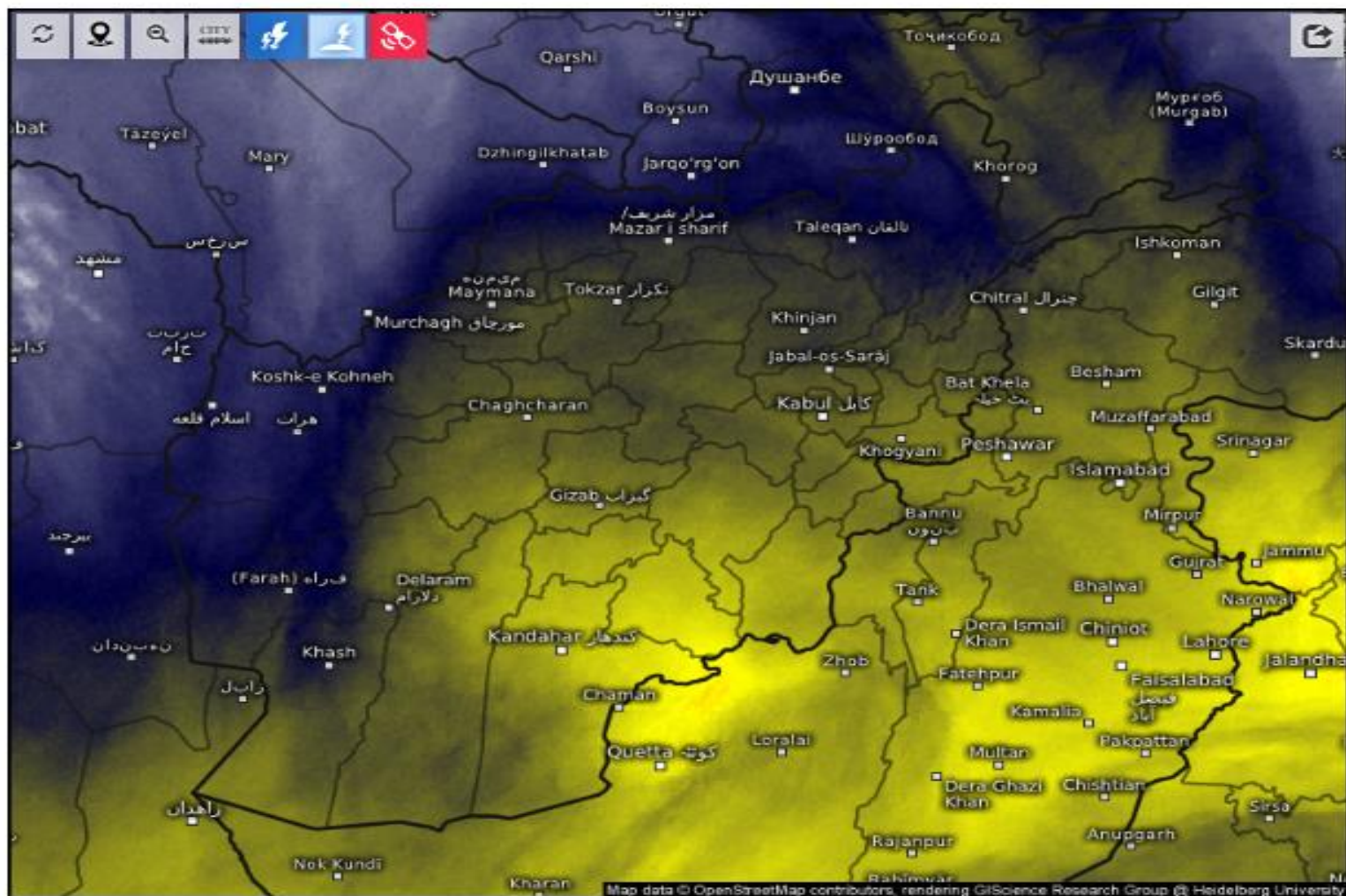
Satellite Water Vapor ⓘ

Wed 05/14/2025, 07:30am GMT+0430

wet/cold   dry/warm