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

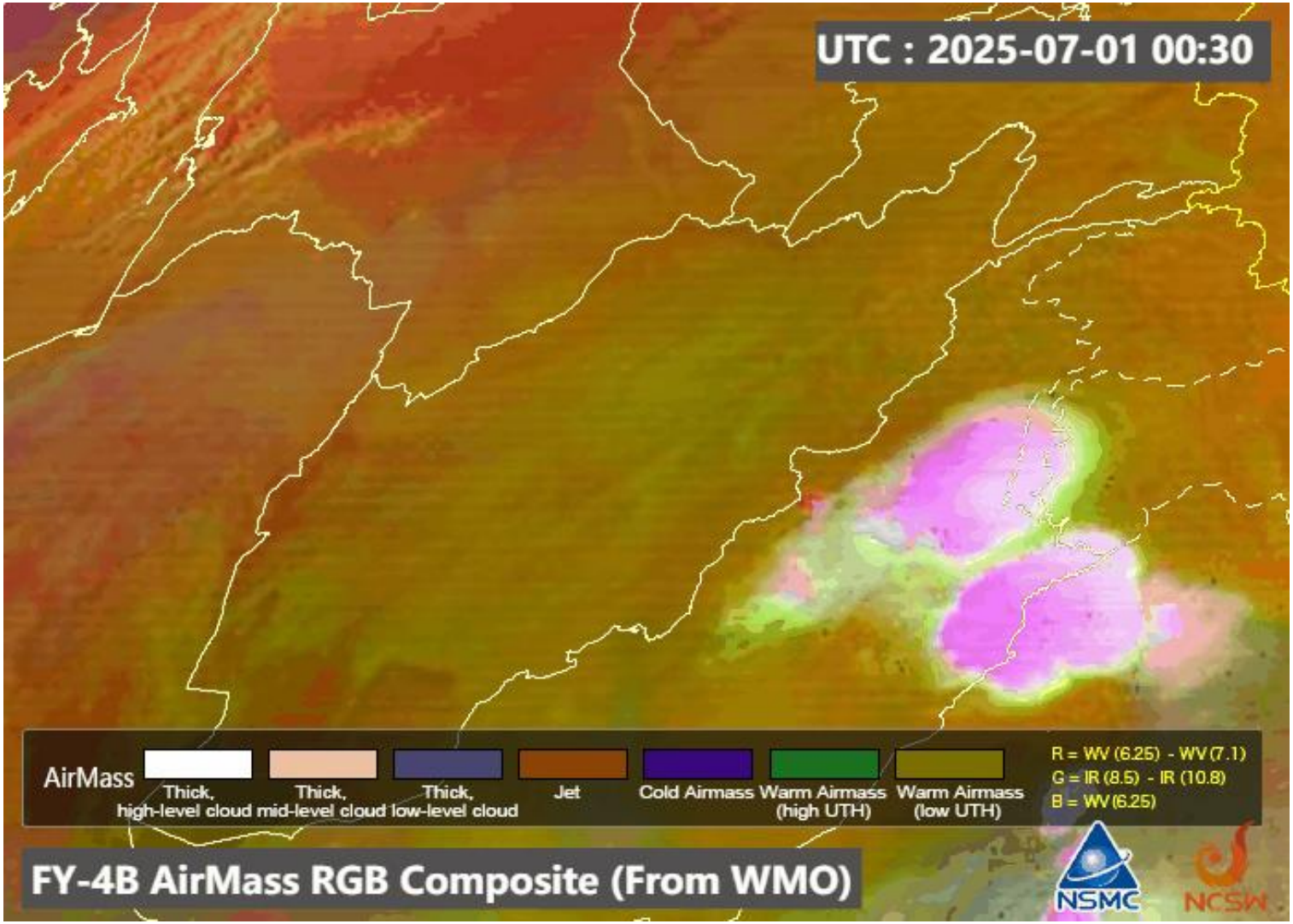
Daily reports of Satellite imagery analysis. Date & Time: 01/07/2025, 03:00 UTC, Number of reports: 1080

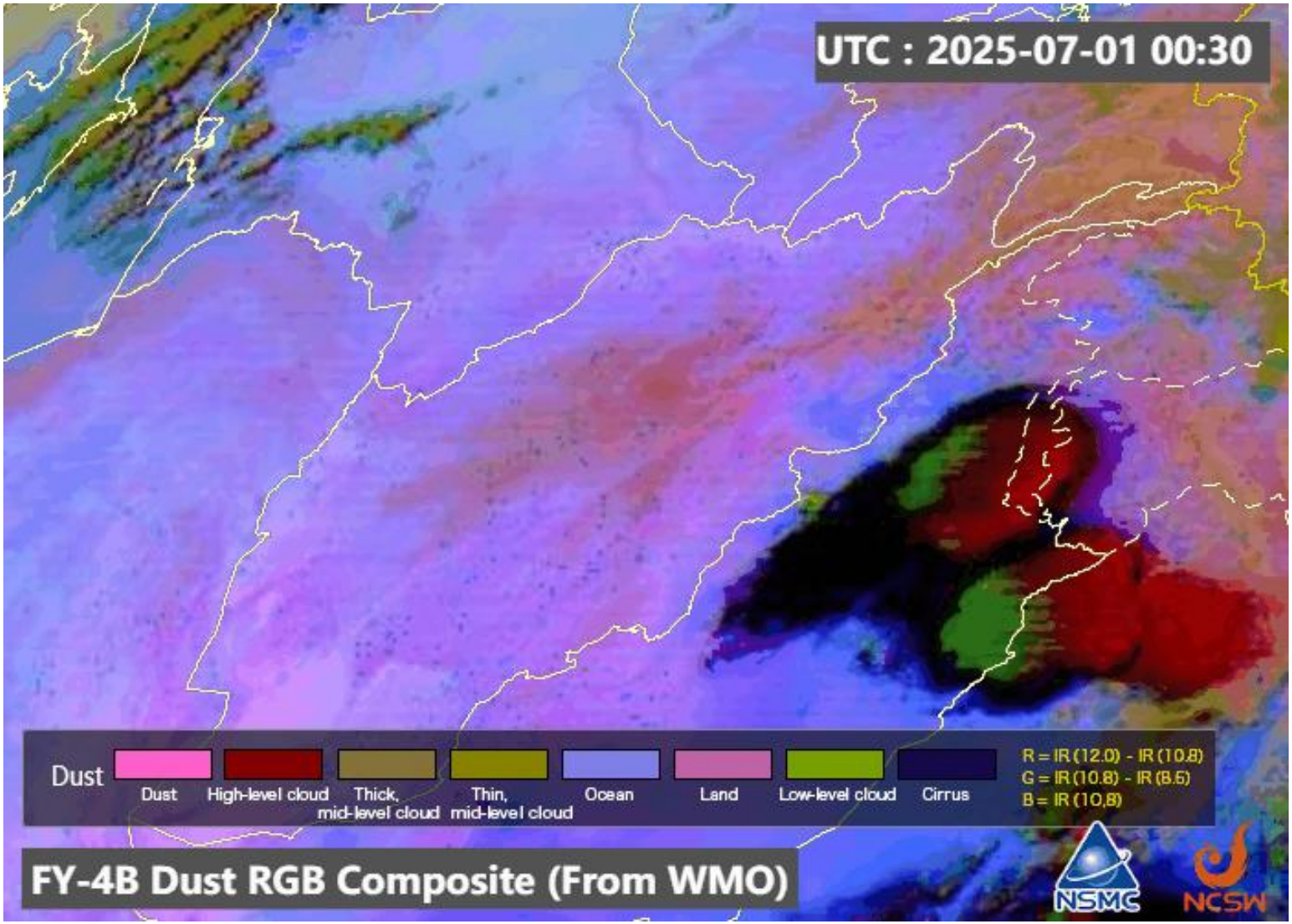
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	X	X	X	√ Weak	X	✓	
2	South	✓	✓	X	X	X	√ Dry	X	X	
3	West	✓	✓	X	X	X	√ Dry	X	✓	
4	East	✓	X	X	X	X	√ Dry	X	X	
5	central	✓	✓	X	X	X	√ Weak	X	X	
6	Northeast	✓	X	X	X	X	√ Dry	X	X	
7	Southeast	✓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

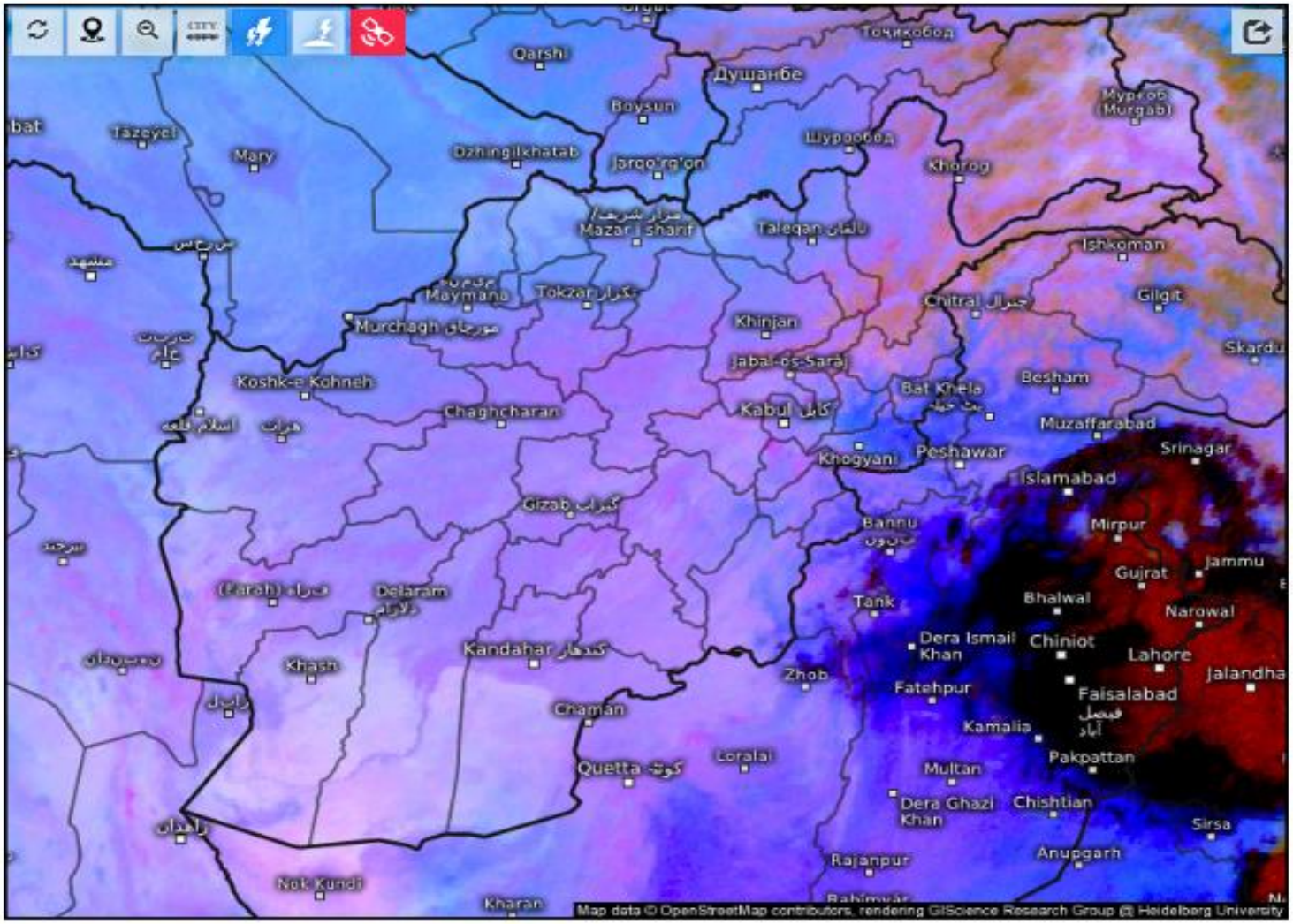
Details: **According to satellite imagery analysis, the northern, southern, western, eastern, central, northeastern, southeastern, northwestern, and southwestern areas have warm air mass. The southern, western, central, northwestern, and southwestern areas have dust storm. The southeastern areas have partly cloudy sky. The southern, western, eastern, northeastern, southeastern, and southwestern areas are dry. The northern, central, and northwestern areas have weak water vapor. Some parts of northern, western and northwestern areas have Jetstream.**

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

- Reported by: Sayed Taher Atlas

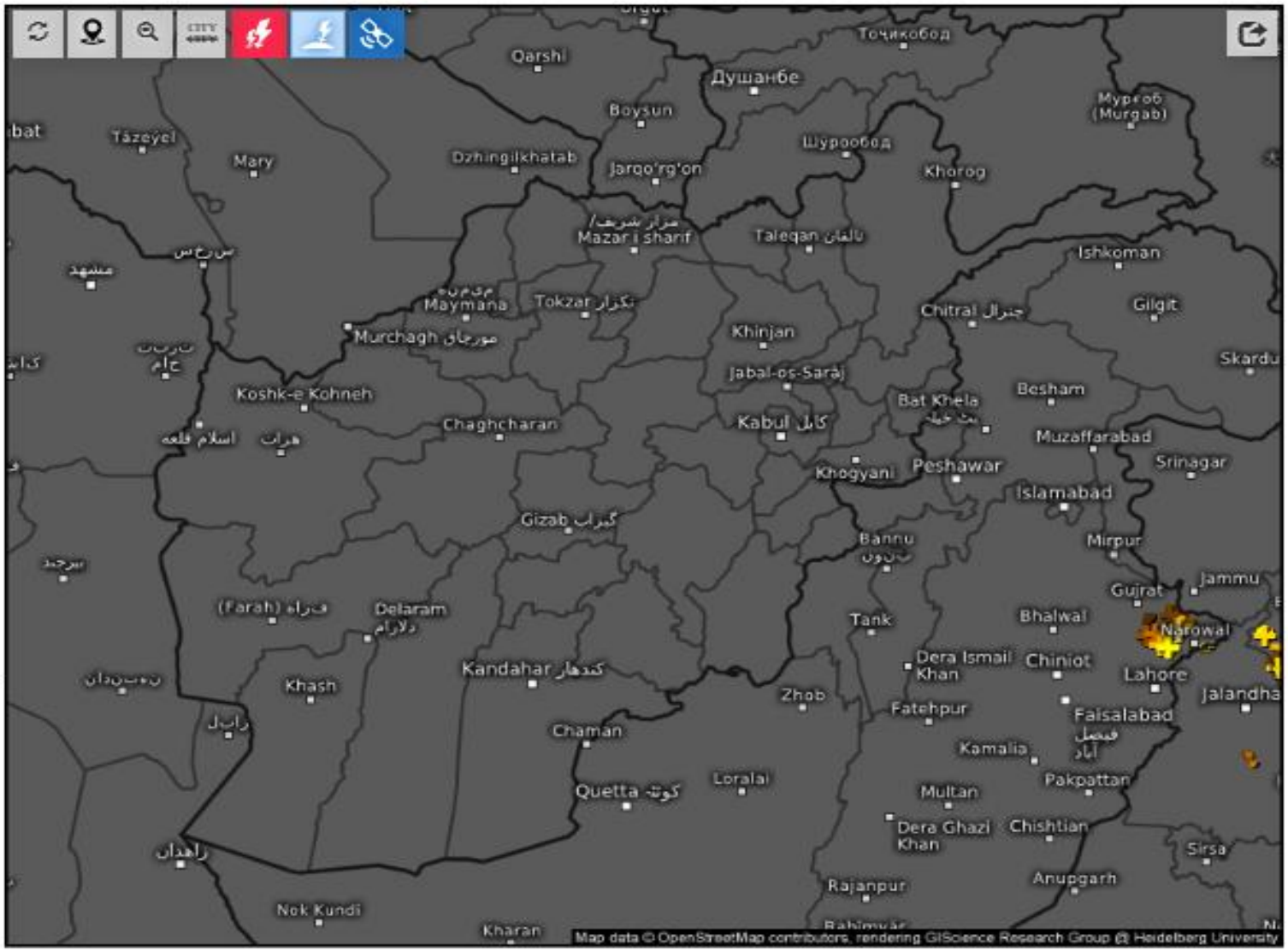

UTC : 2025-07-01 00:30
AirMass
Thick, high-level cloud
Thick, mid-level cloud
Thick, low-level cloud
Jet
Cold Airmass
Warm Airmass (high UTH)
Warm Airmass (low UTH)
R = WV (6.25) - WV (7.1)
G = IR (8.5) - IR (10.8)
B = WV (6.25)
FY-4B AirMass RGB Composite (From WMO)
NSMC
NCSW


UTC : 2025-07-01 00:30
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)
NSMC
NCSW



Satellite Dust

Tue 07/01/2025, 08:00am GMT+0430

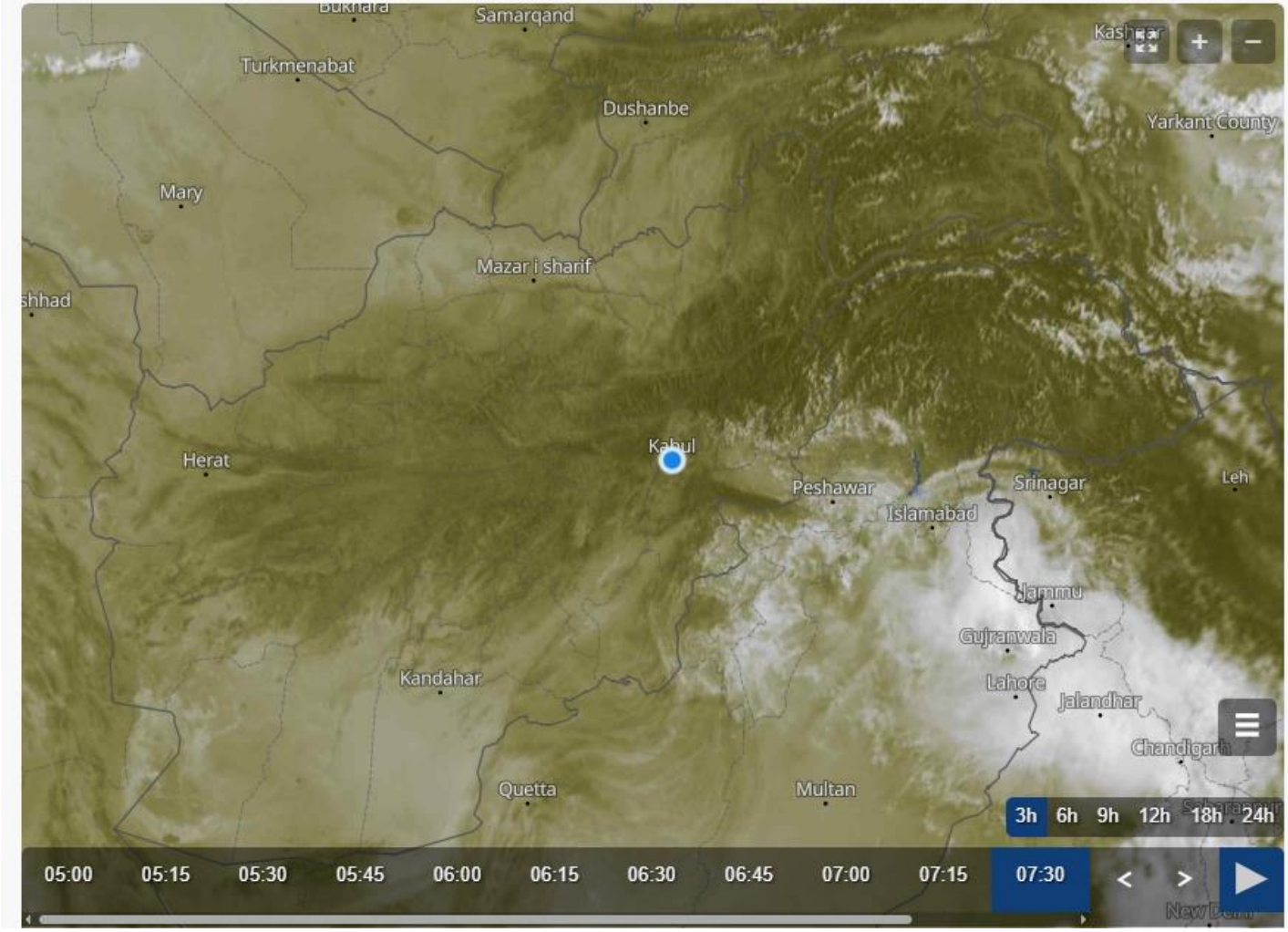


Age of lightning (minutes)

Tue 07/01/2025, 07:30am GMT+0430

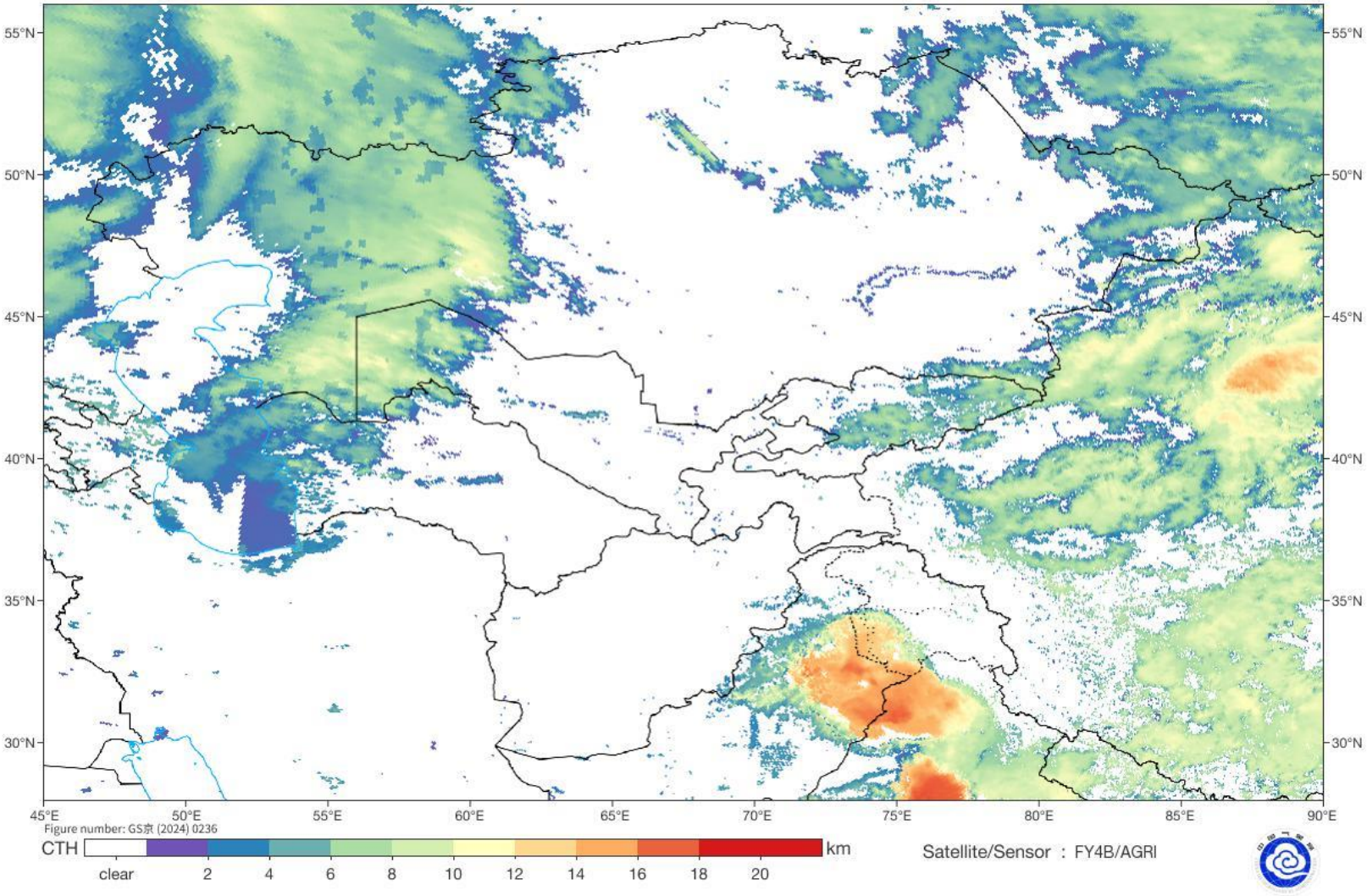
0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60

Live satellite map, Afghanistan



Cloud Top Height

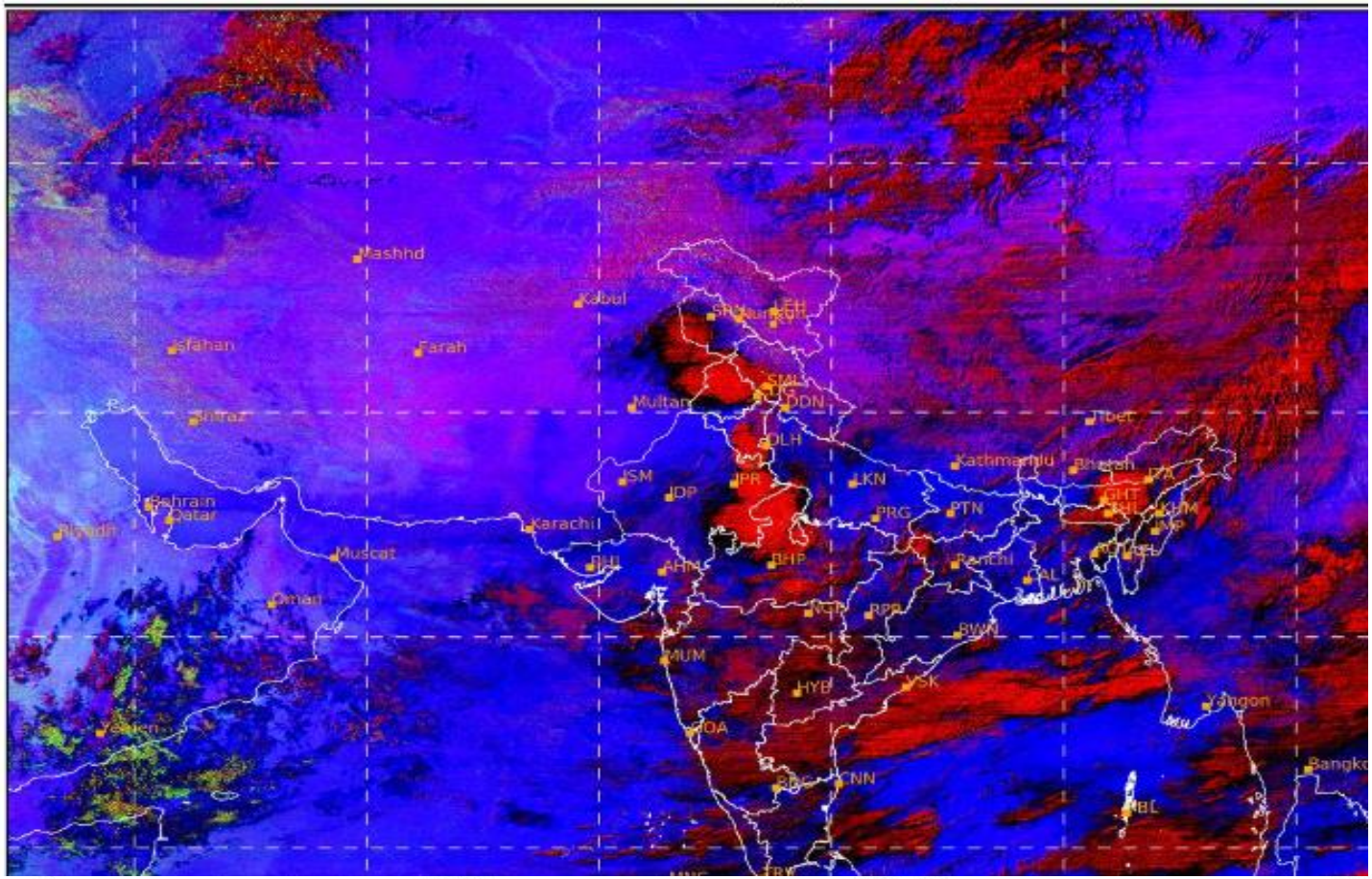
2025-07-01 03:00(UTC)



SAT : INSAT-3DR IMG 01-07-2025/(0145 to 0212) GMT

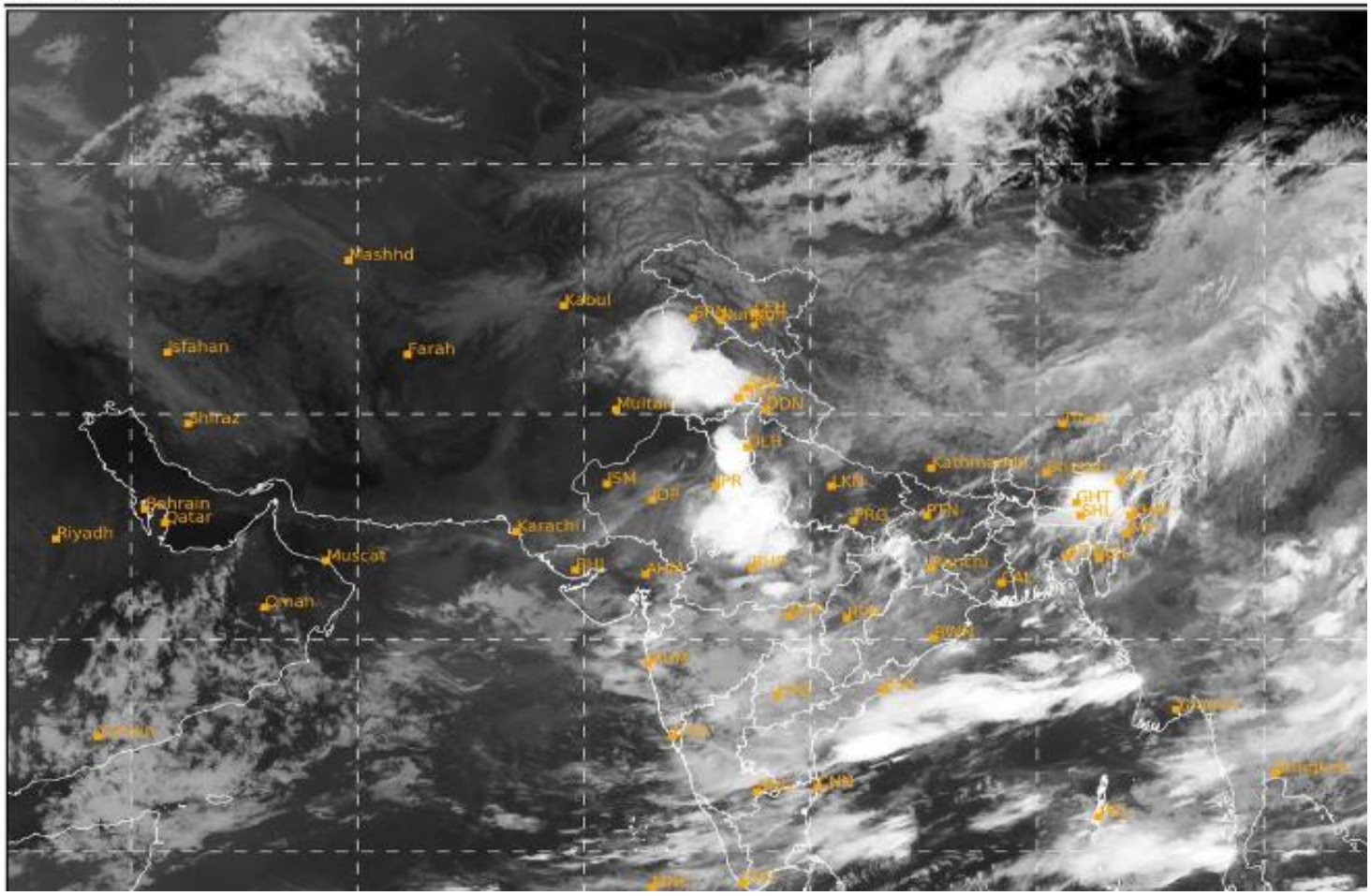
Night Microphysics: TIR2_BT-TIR1_BT (R), TIR1_BT-MIR_BT (G), TIR1_BT (B)

L1C Mercator 01-07-2025/(0715 to 0742) IST



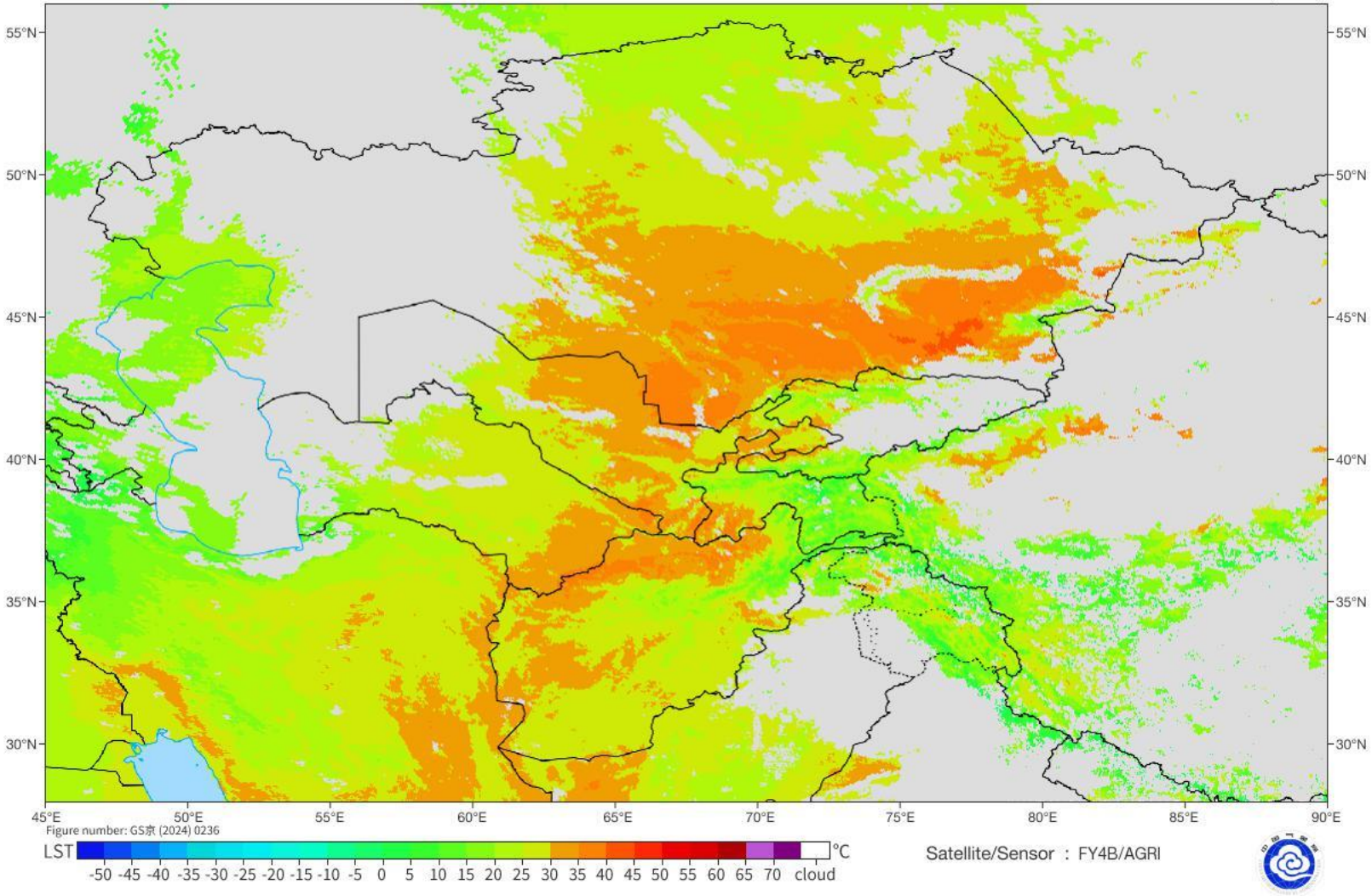
SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

01-07-2025/(0145 to 0212) GMT
01-07-2025/(0715 to 0742) IST



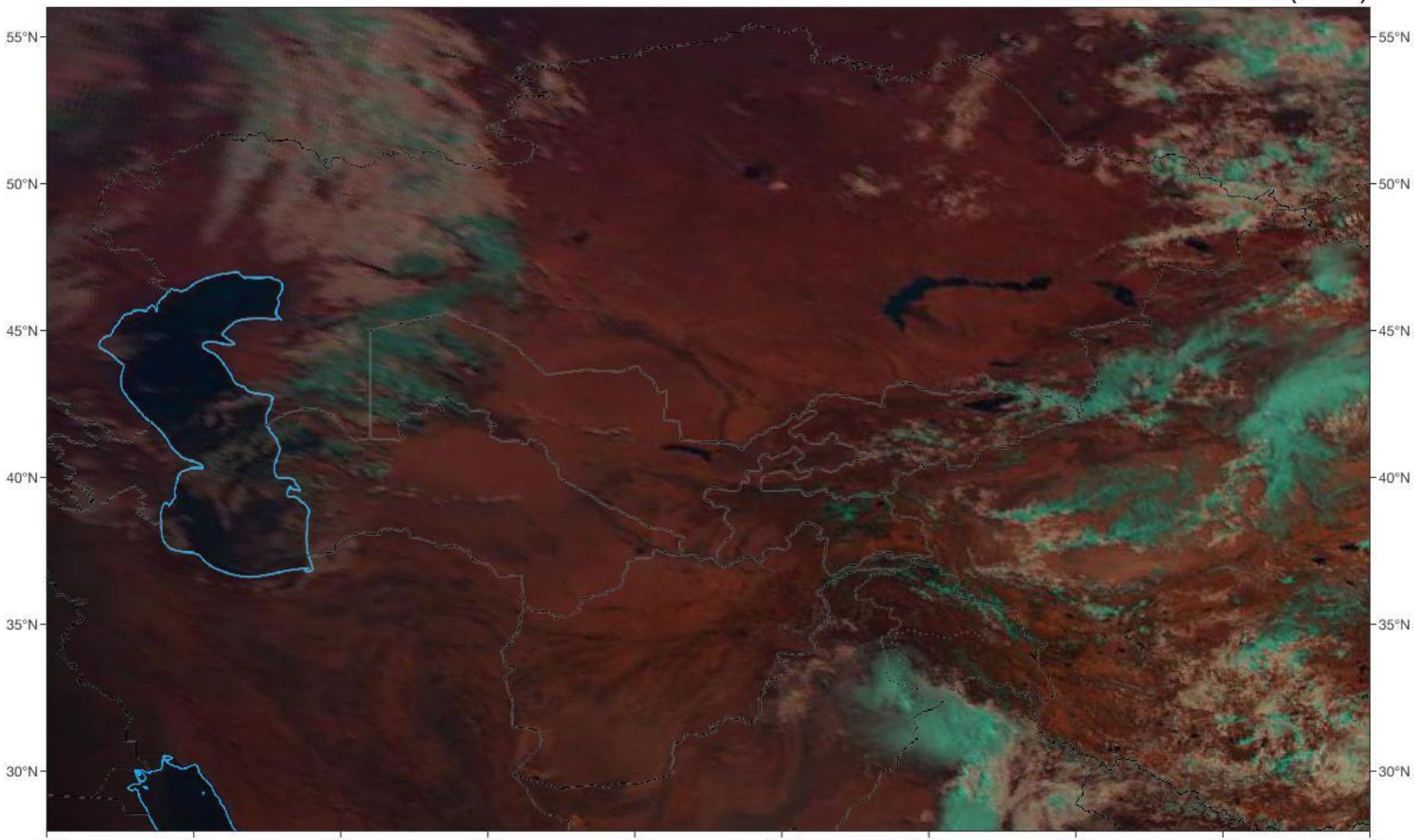
Land Surface Temperature

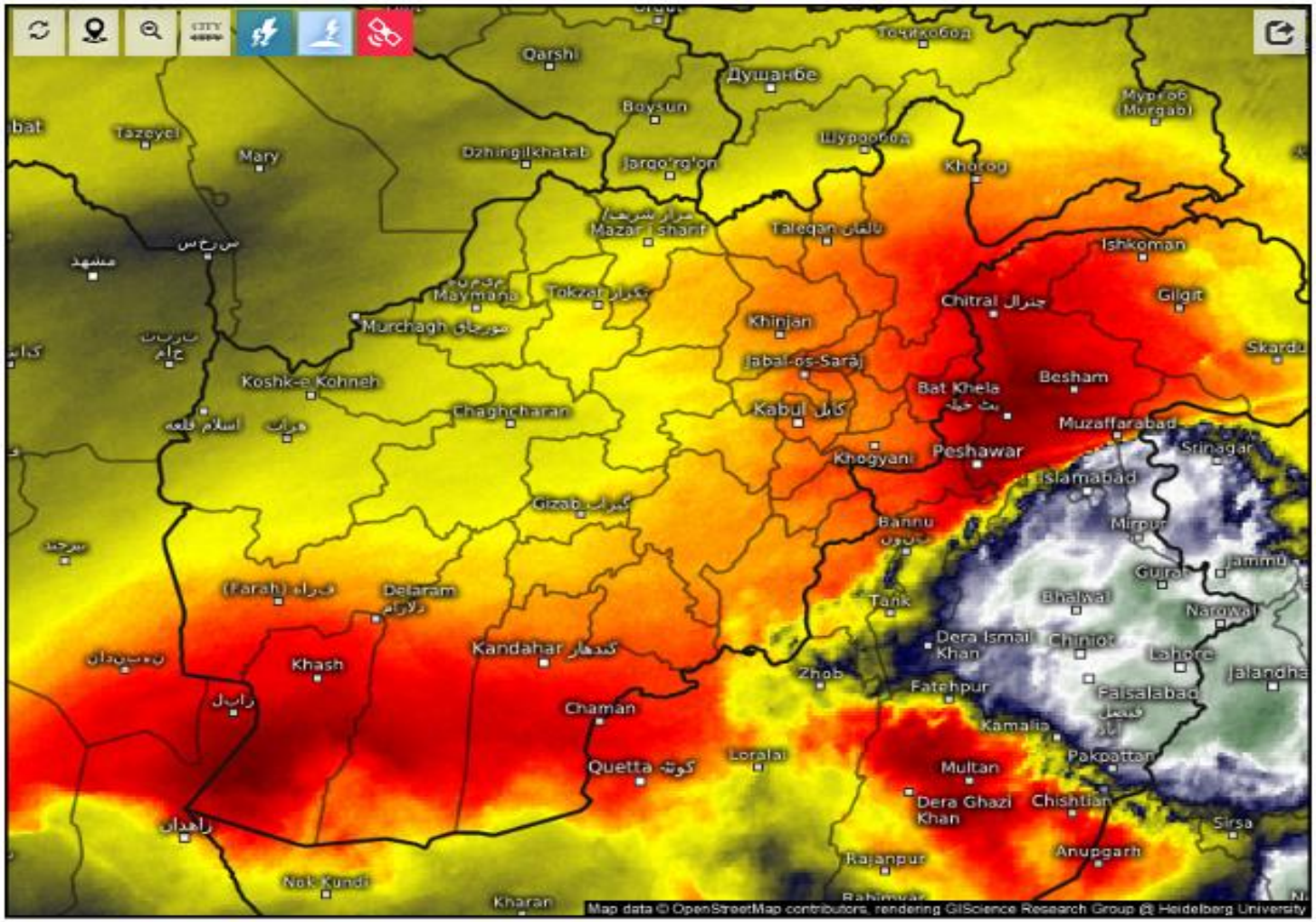
2025-07-01 03:00(UTC)



Fog Identification

2025-07-01 03:00(UTC)





Satellite Water Vapor

Tue 07/01/2025, 08:00am GMT+0430

wet/cold — dry/warm