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

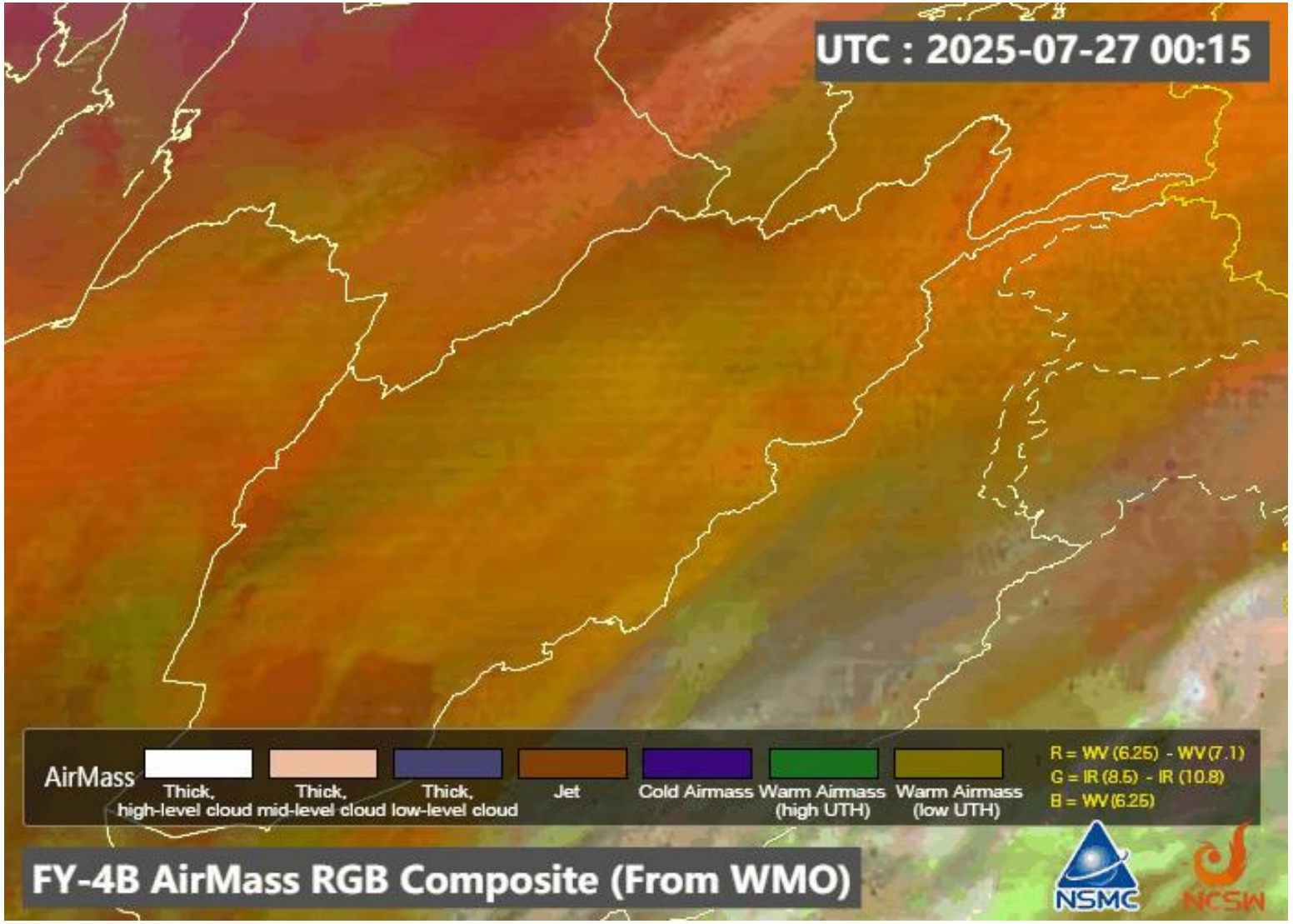
Daily reports of Satellite imagery analysis. Date & Time: 27/07/2025, 03:00 UTC, Number of reports: 1147

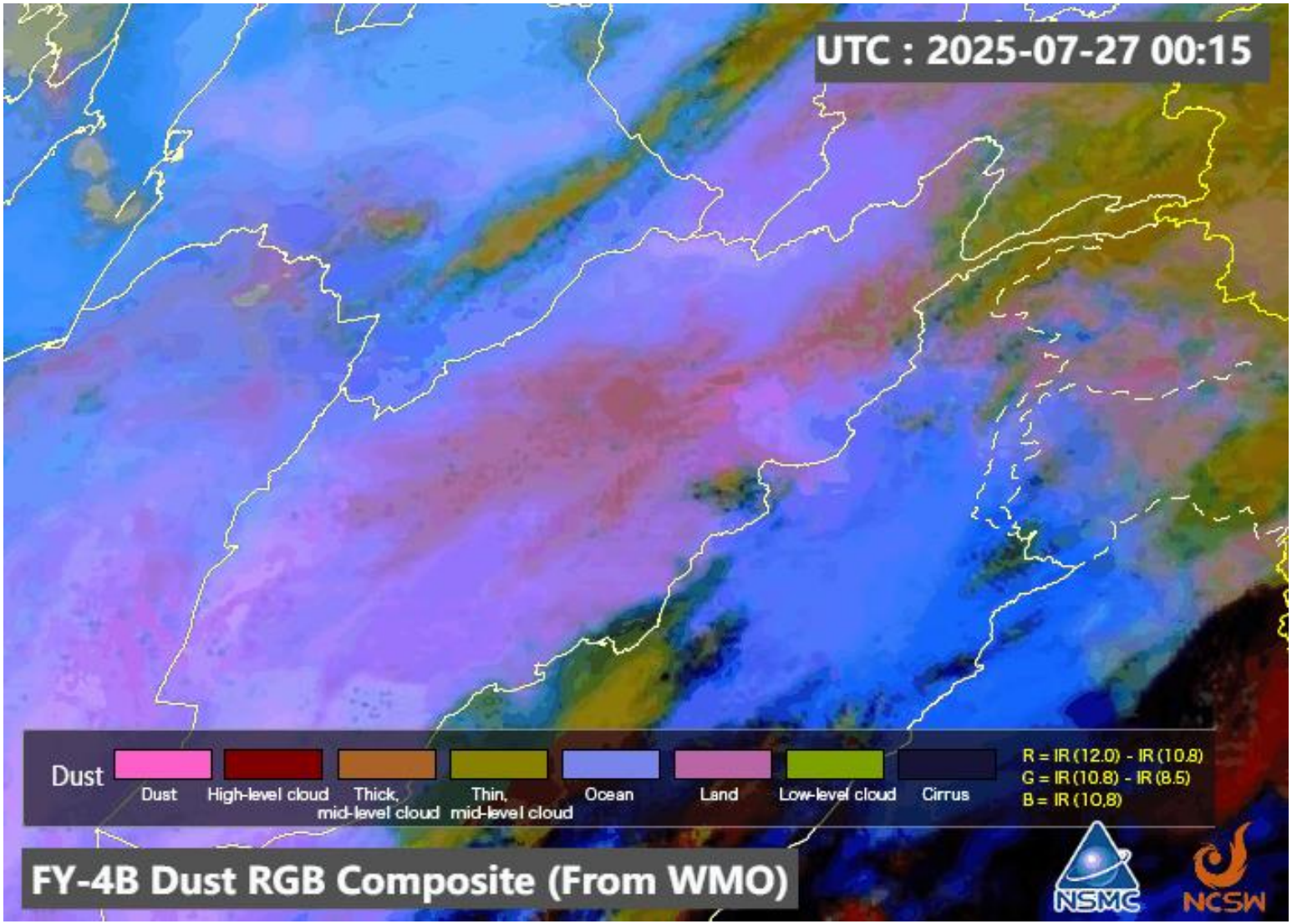
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	X	X	X	√ Weak	X	X	
2	South	✓	✓	X	✓	X	√ Weak	X	X	
3	West	✓	✓	X	X	X	Dry	X	X	
4	East	✓	X	X	✓	X	Dry	X	X	
5	central	✓	✓	X	X	X	Dry	X	X	
6	Northeast	✓	X	X	X	X	Dry	X	X	
7	Southeast	✓	✓	X	X	X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

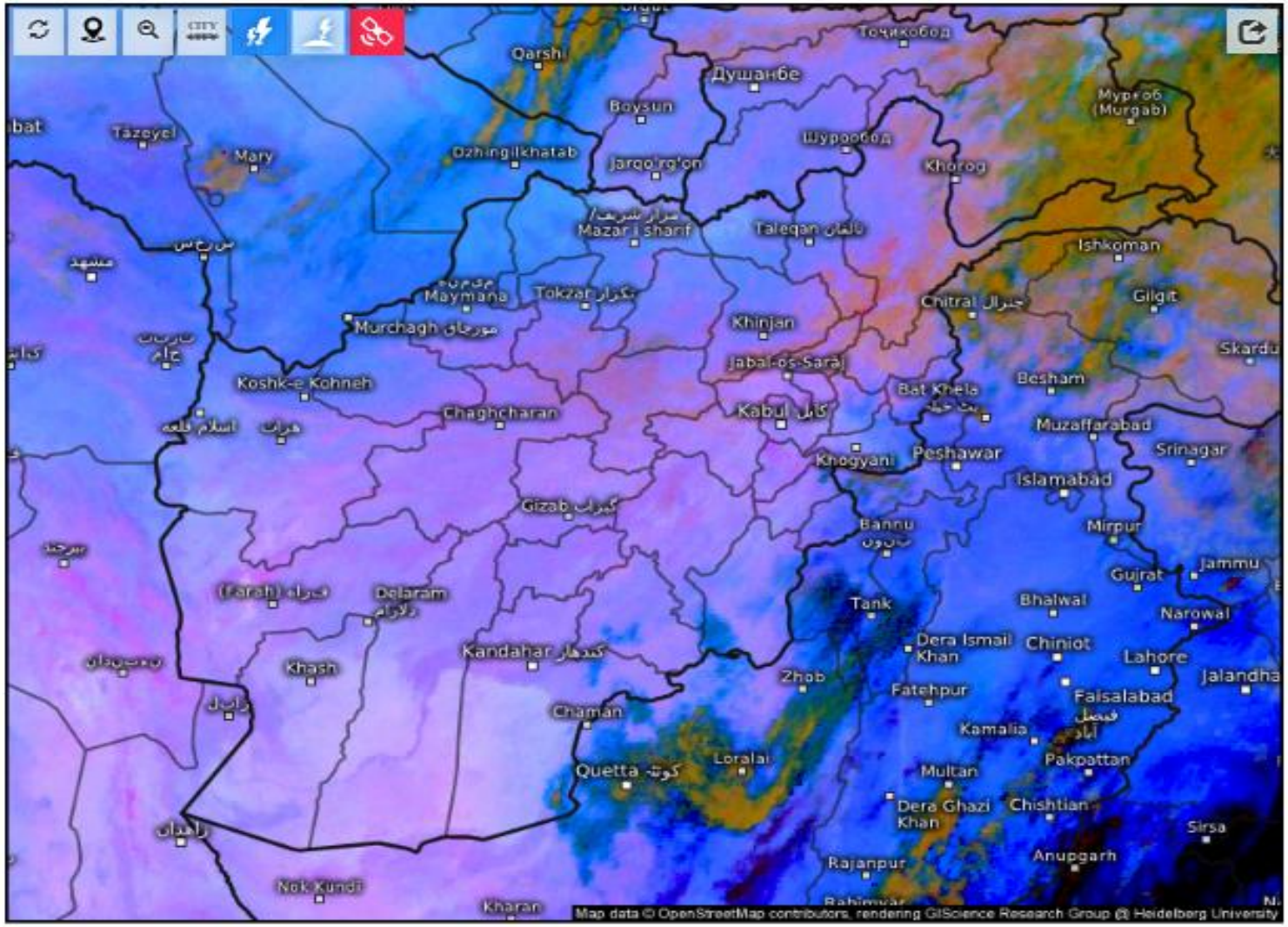
Details: **According to satellite imagery analysis, the northern, southern, western, eastern, central, northeaster, southeastern, northwestern, and southwestern areas have warm air mass with low UTH. The southern, western, central, southeastern, northwestern, and southwestern areas have dust storm. Some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

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

- Reported by: Sayed Taher Atlas

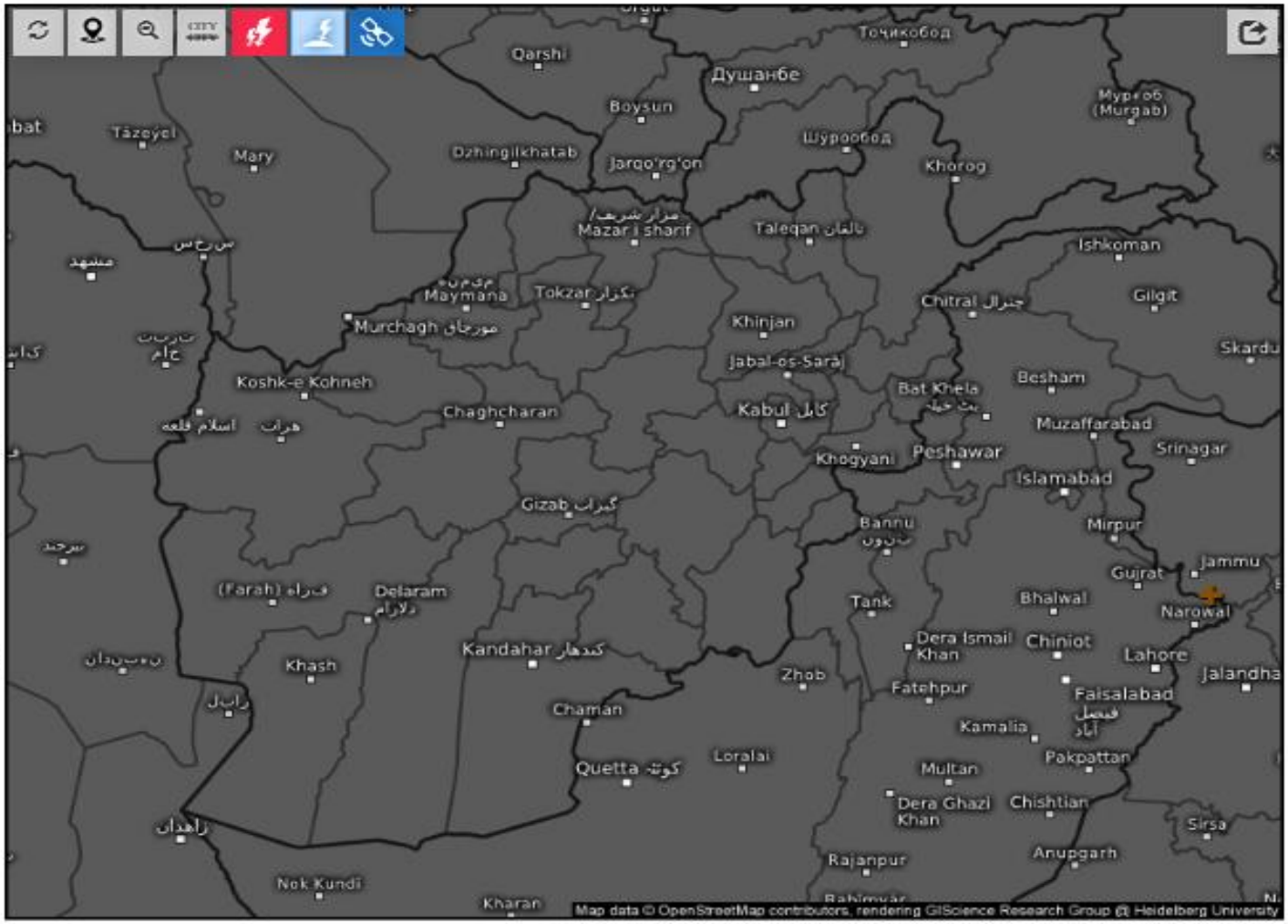

UTC : 2025-07-27 00:15
AirMass
Thick, high-level cloud
Thick, mid-level cloud
Thick, low-level cloud
Jet
Cold Airmass
Warm Airmass (high UTH)
Warm Airmass (low UTH)
R = WV (6.25) - WV (7.1)
G = IR (8.5) - IR (10.8)
B = WV (6.25)
FY-4B AirMass RGB Composite (From WMO)
NSMC
NCSW


UTC : 2025-07-27 00:15
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)
NSMC
NCSW



Satellite Dust

Sun 07/27/2025, 07:30am GMT+0430

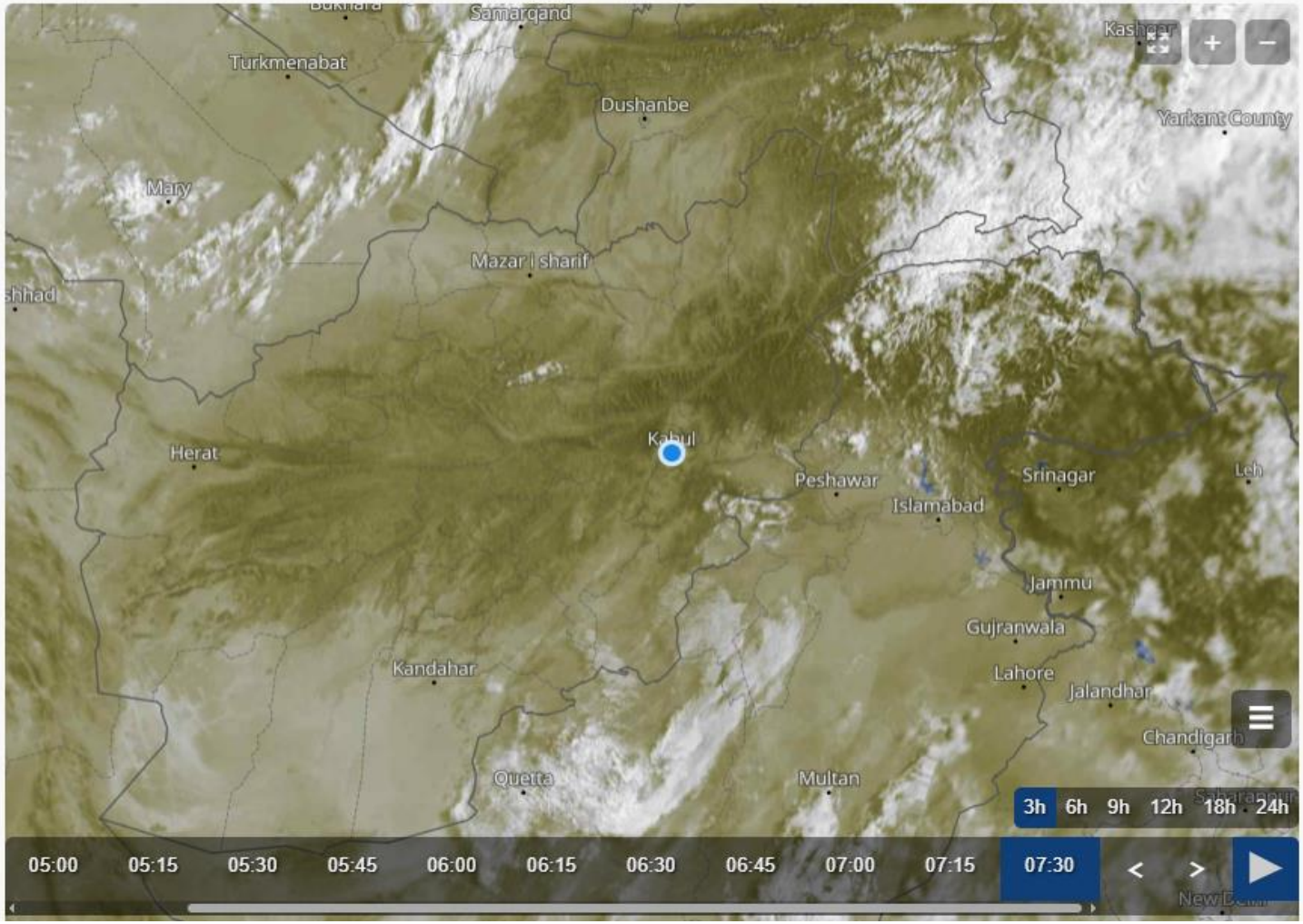


Age of lightning (minutes)

Sun 07/27/2025, 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

2025-07-27 03:00(UTC)

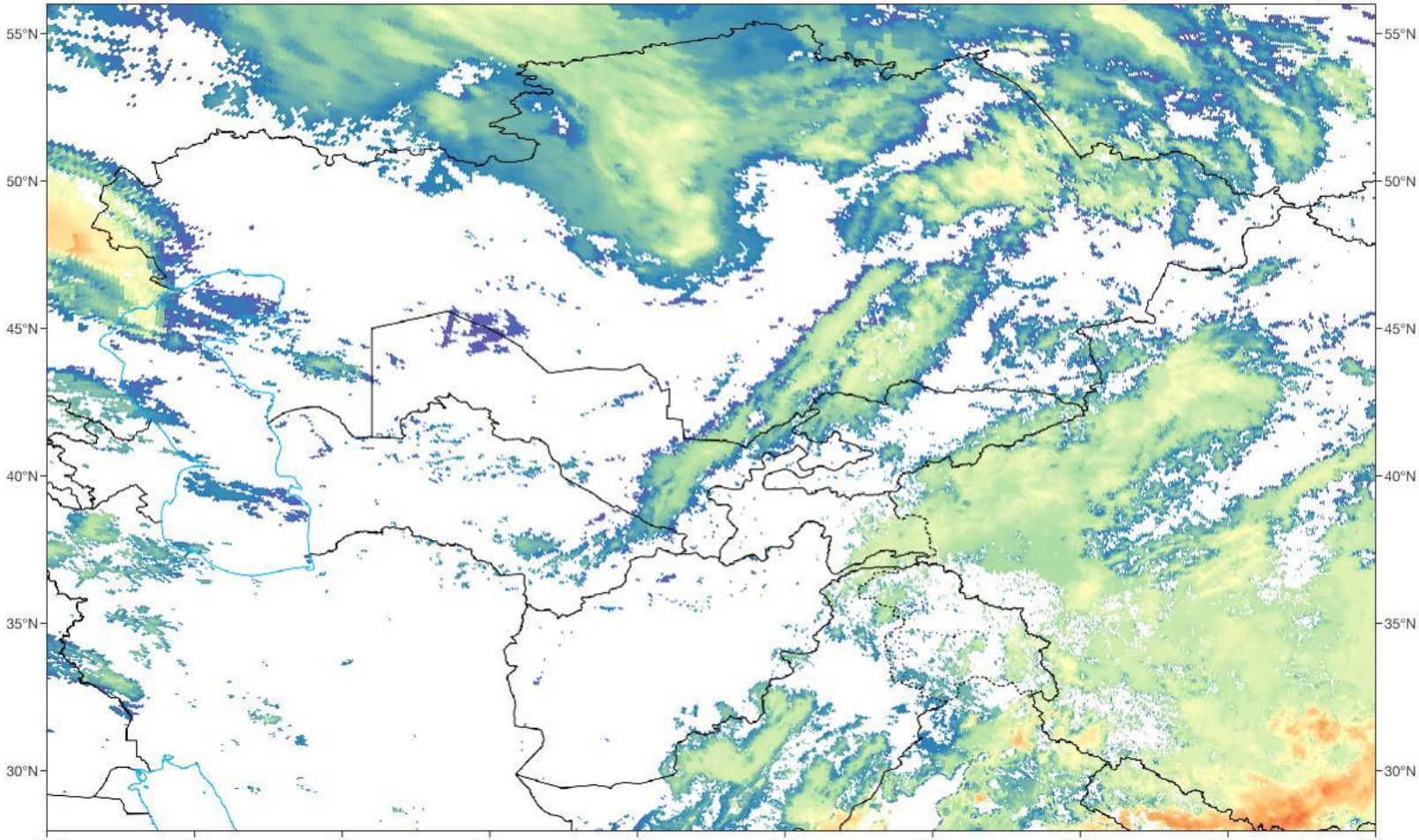


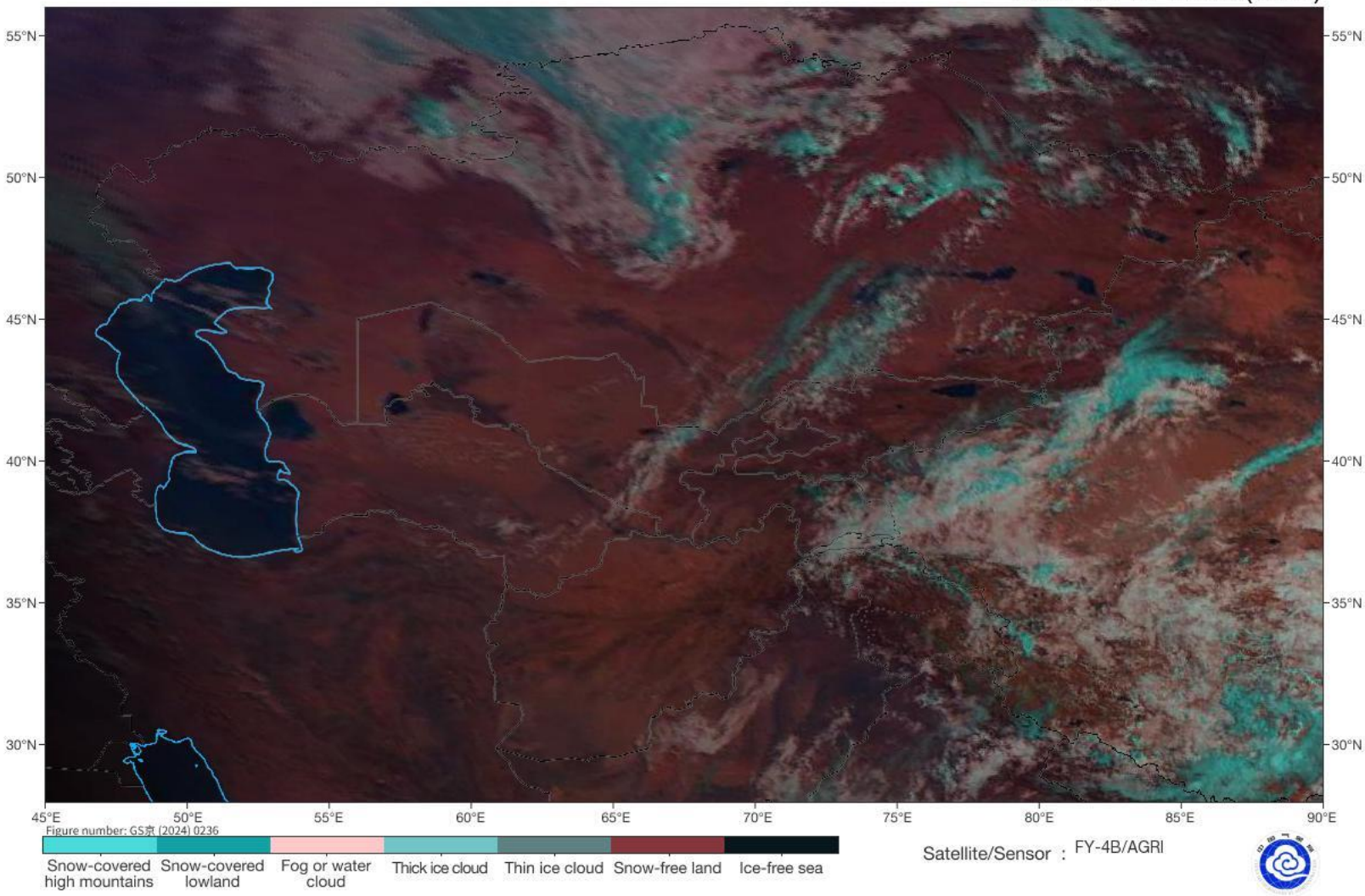
Figure number: GS京 (2024) 0236

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

Satellite/Sensor ： FY-4B/AGRI

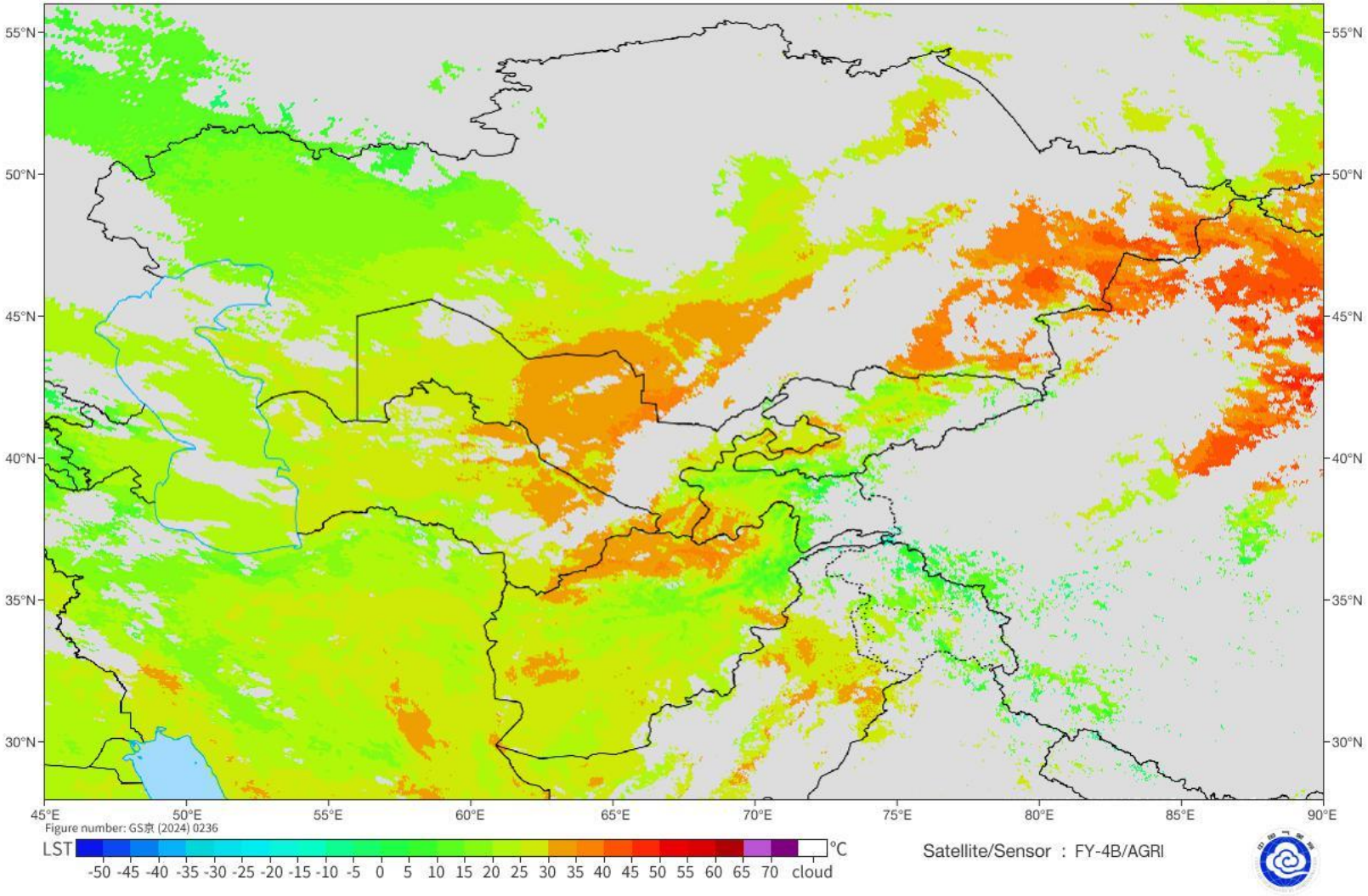
Fog Identification

2025-07-27 03:00(UTC)



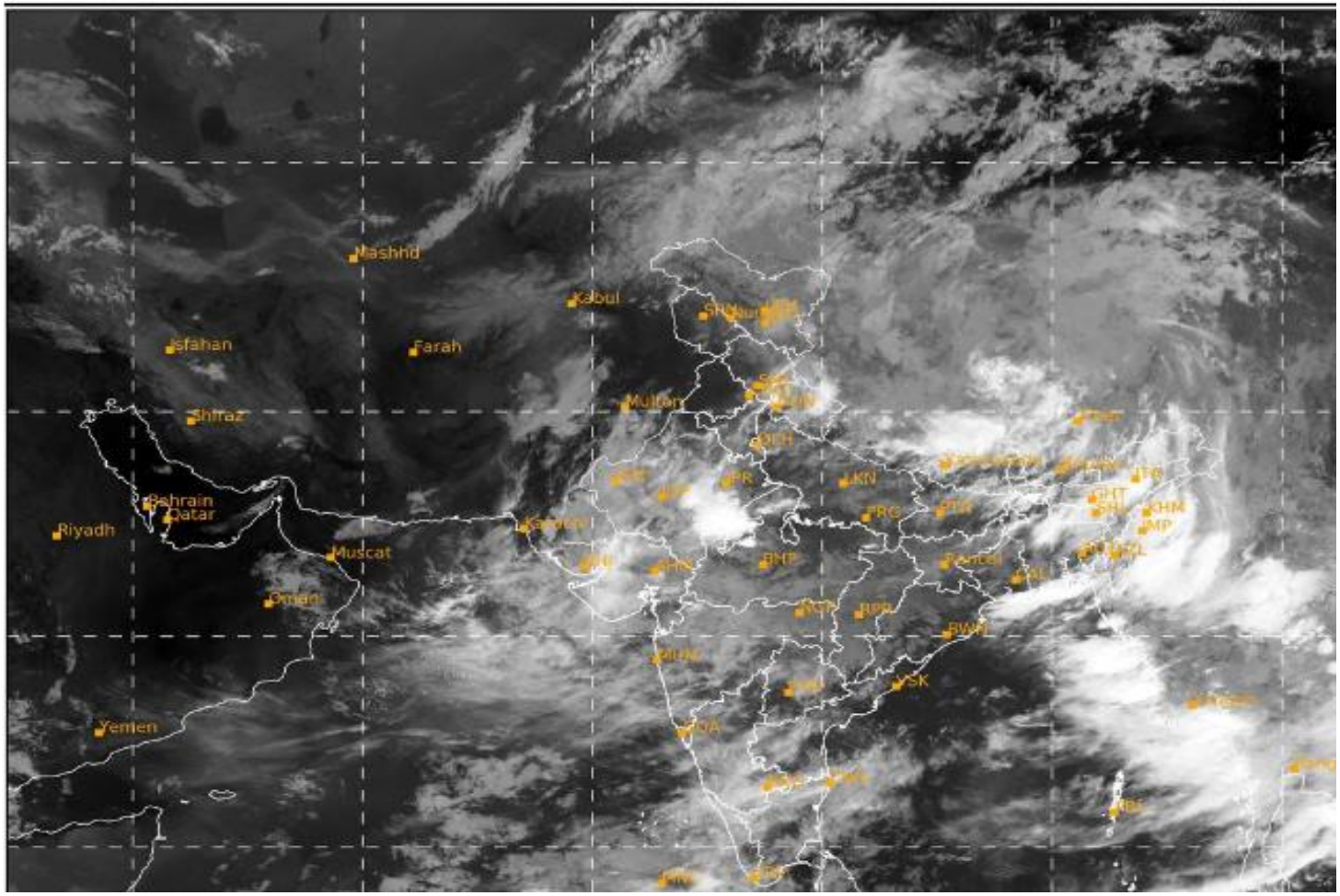
Land Surface Temperature

2025-07-27 03:00(UTC)



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

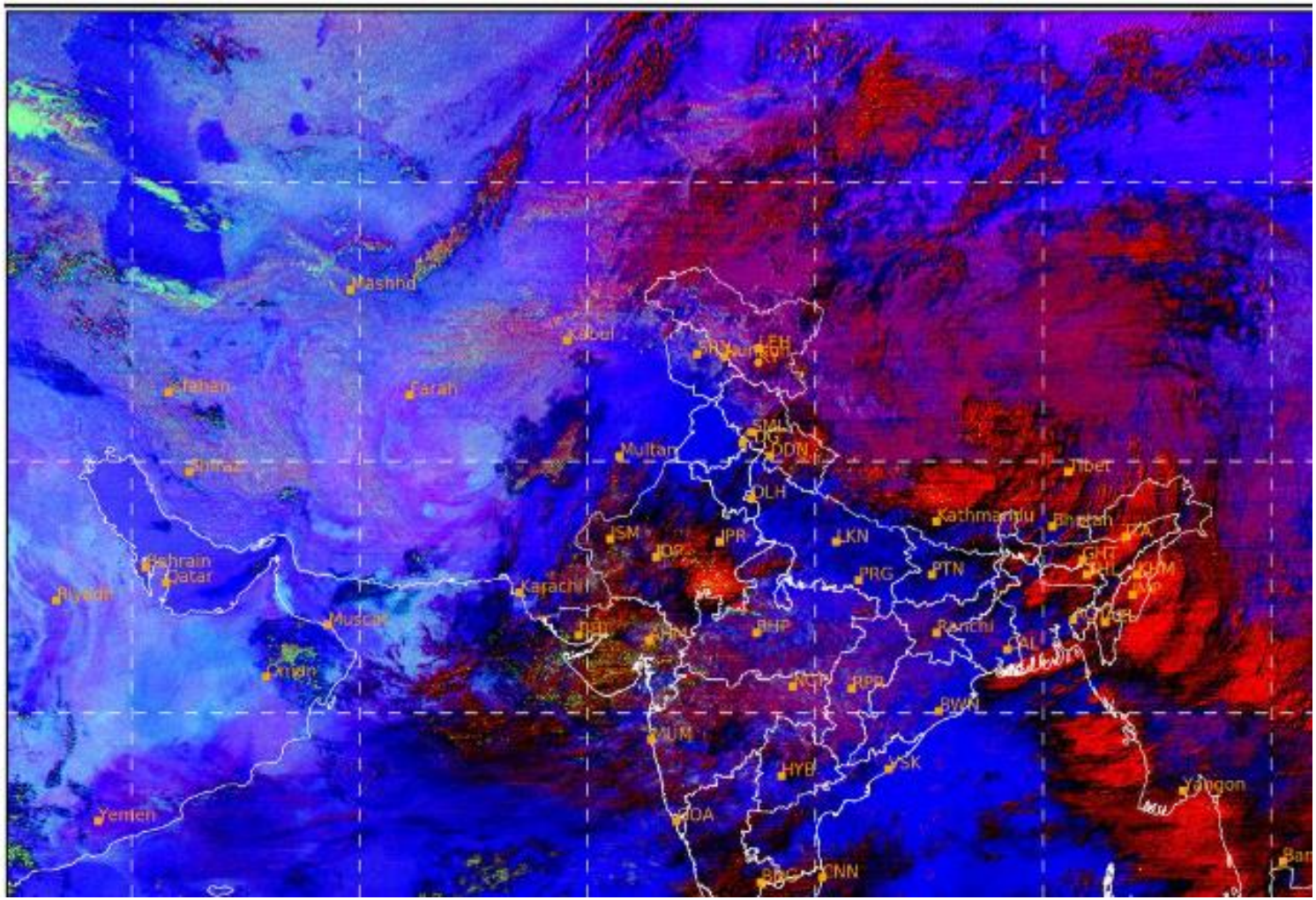
27-07-2025/(0045 to 0112) GMT
27-07-2025/(0615 to 0642) IST

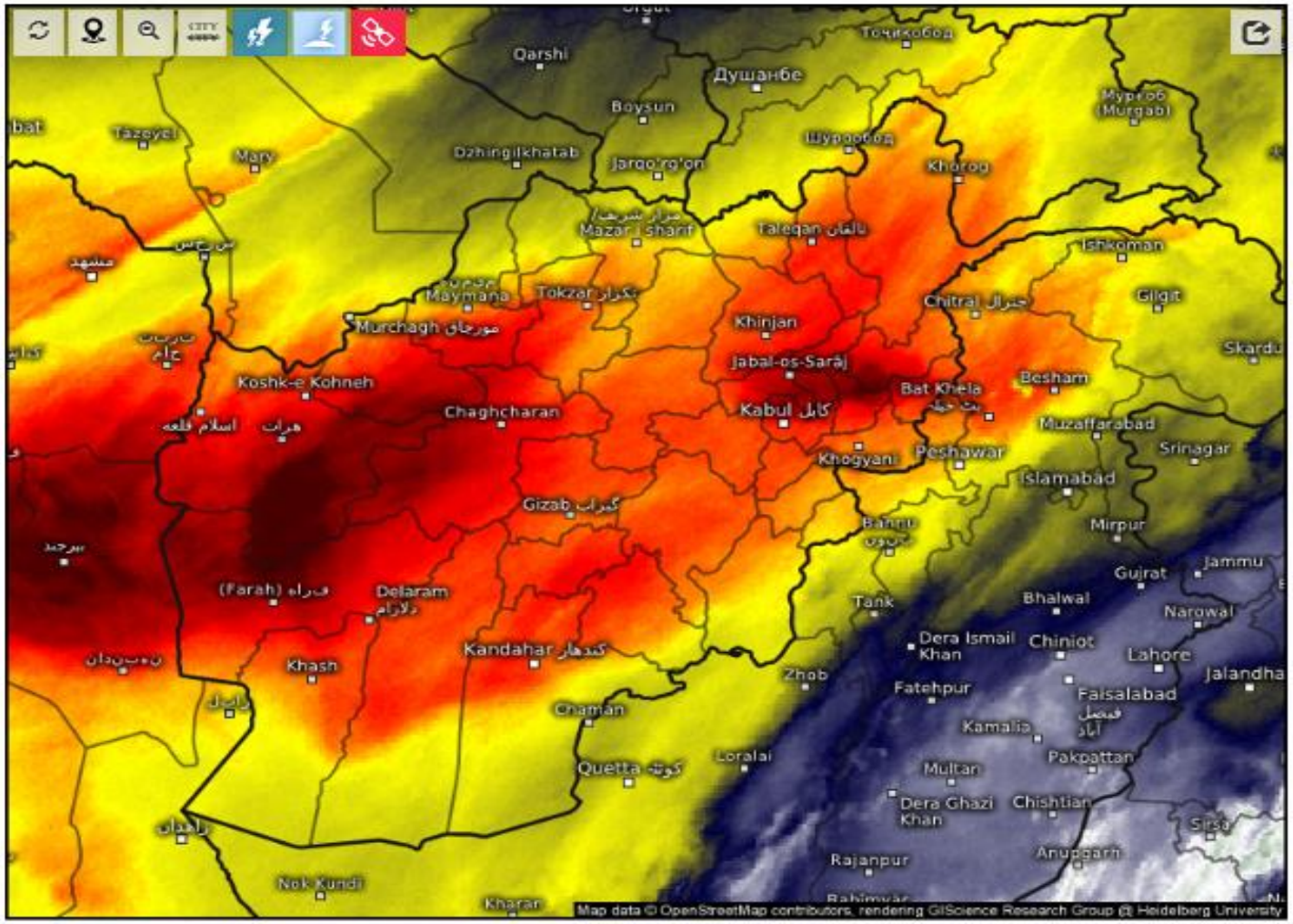


SAT : INSAT-3DR IMG 27-07-2025/(0045 to 0112) GMT

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

L1C Mercator 27-07-2025/(0615 to 0642) IST





Satellite Water Vapor

Sun 07/27/2025, 07:30am GMT+0430

wet/cold — dry/warm