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

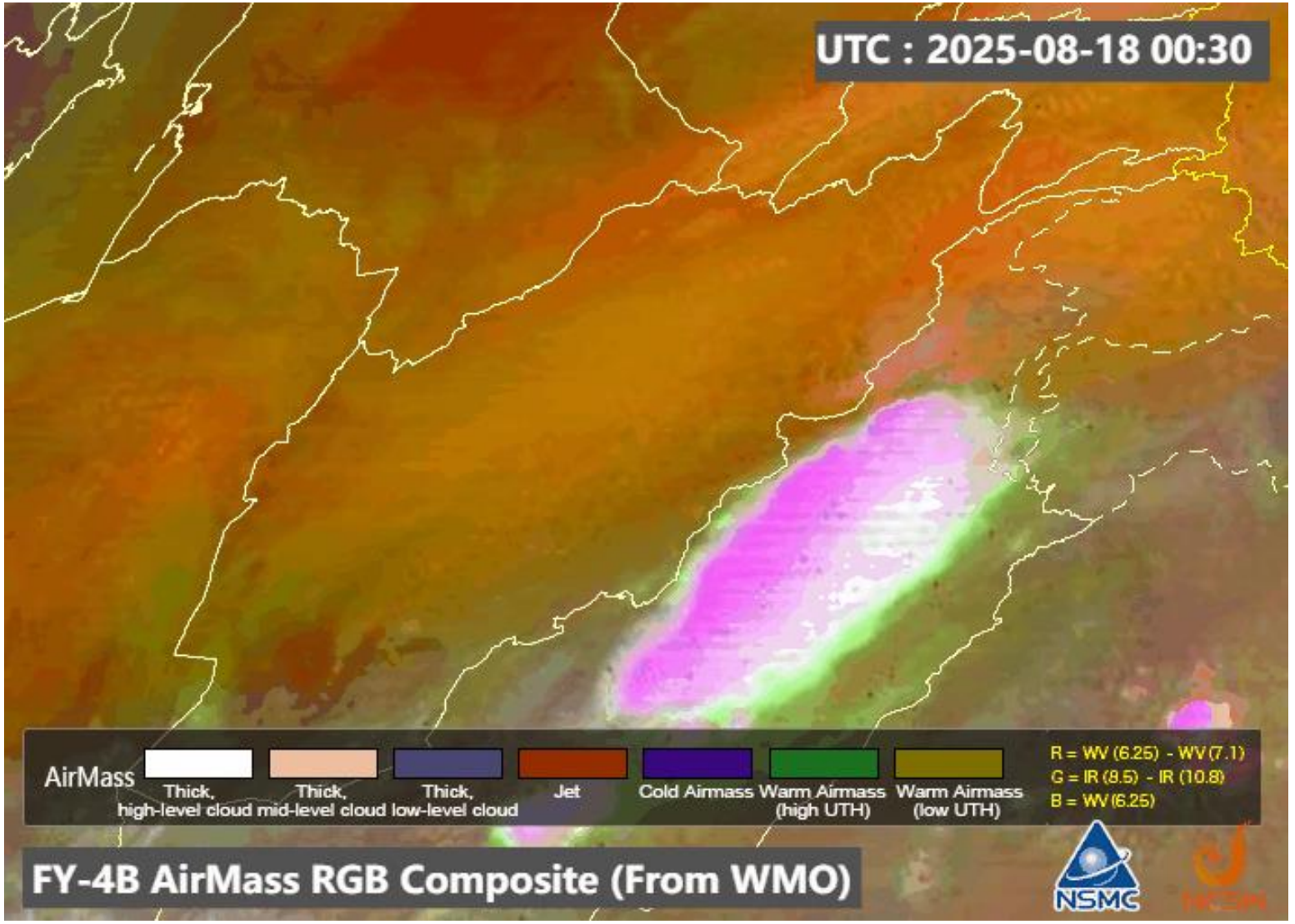
Daily reports of Satellite imagery analysis. Date & Time: 18/08/2025, 03:00 UTC

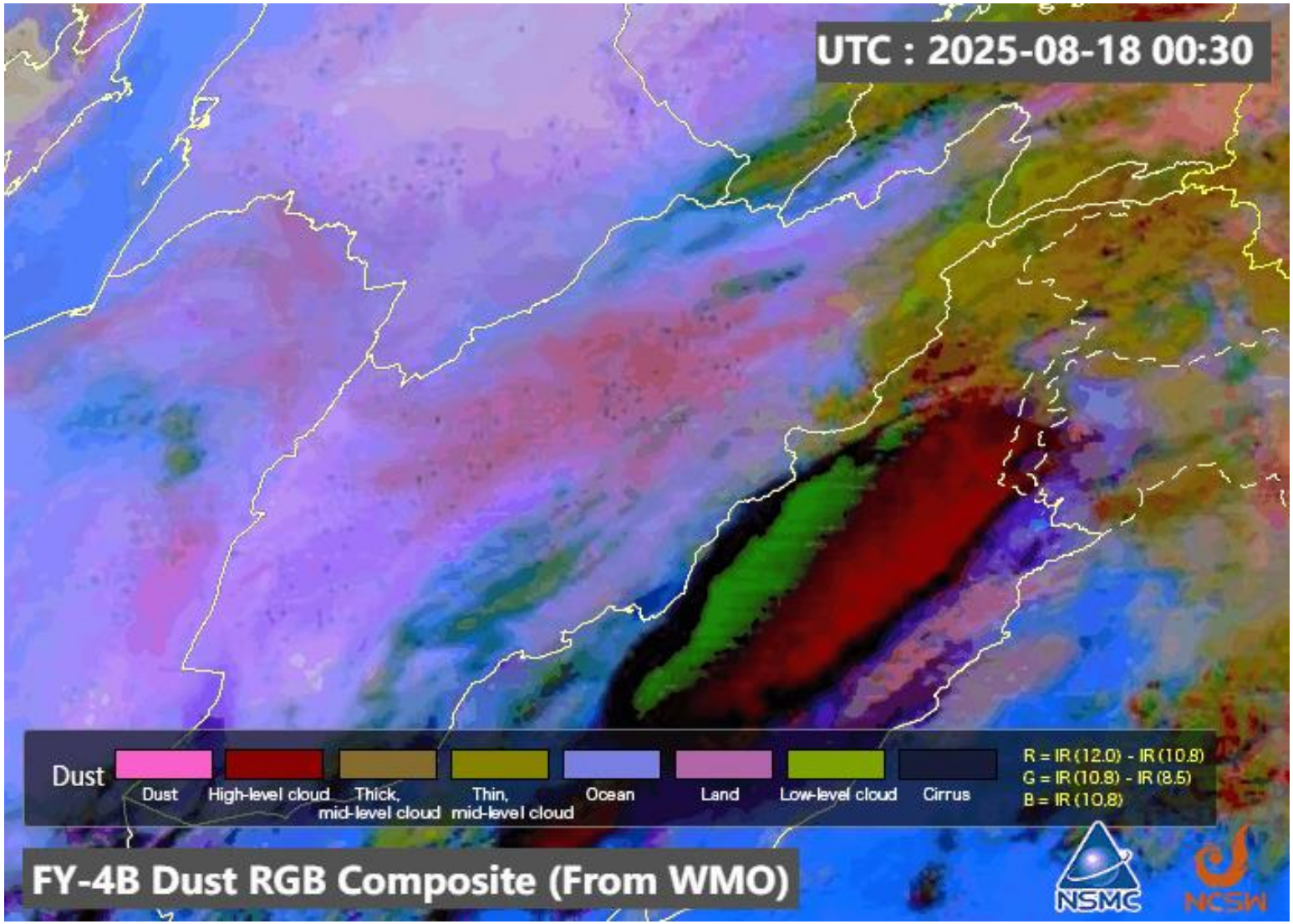
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	X	✓	X	✓ Dry	X	X	
2	South	✓	X	X	✓	X	✓ Weak	X	X	
3	West	✓	✓	X	X	X	✓ Dry	X	X	
4	East	✓	X	X	X	X	✓ Dry	X	X	
5	central	✓	✓	X	✓	X	✓ Dry	X	X	
6	Northeast	✓	X	X	✓	X	✓ Weak	X	X	
7	Southeast	✓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

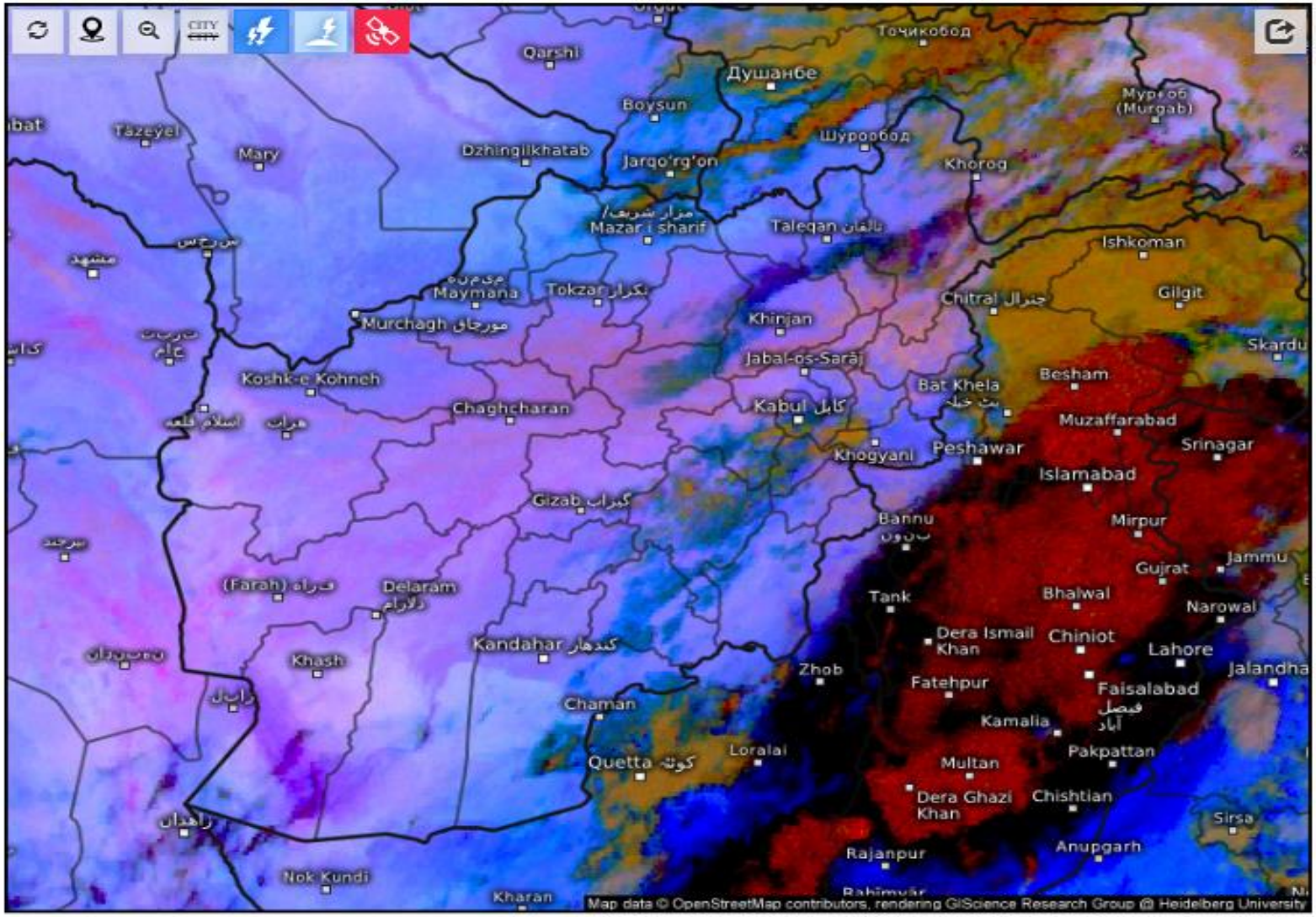
Details: **According to satellite imagery analysis, the northern, southern, western, eastern, central, northeaster, southeastern, northwestern, and southwestern areas have warm air mass with low UTH. The western, central, southeastern, northwestern, and southwestern areas have dust storm. Some parts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

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

- Reported by: Sayed Taher Atlas

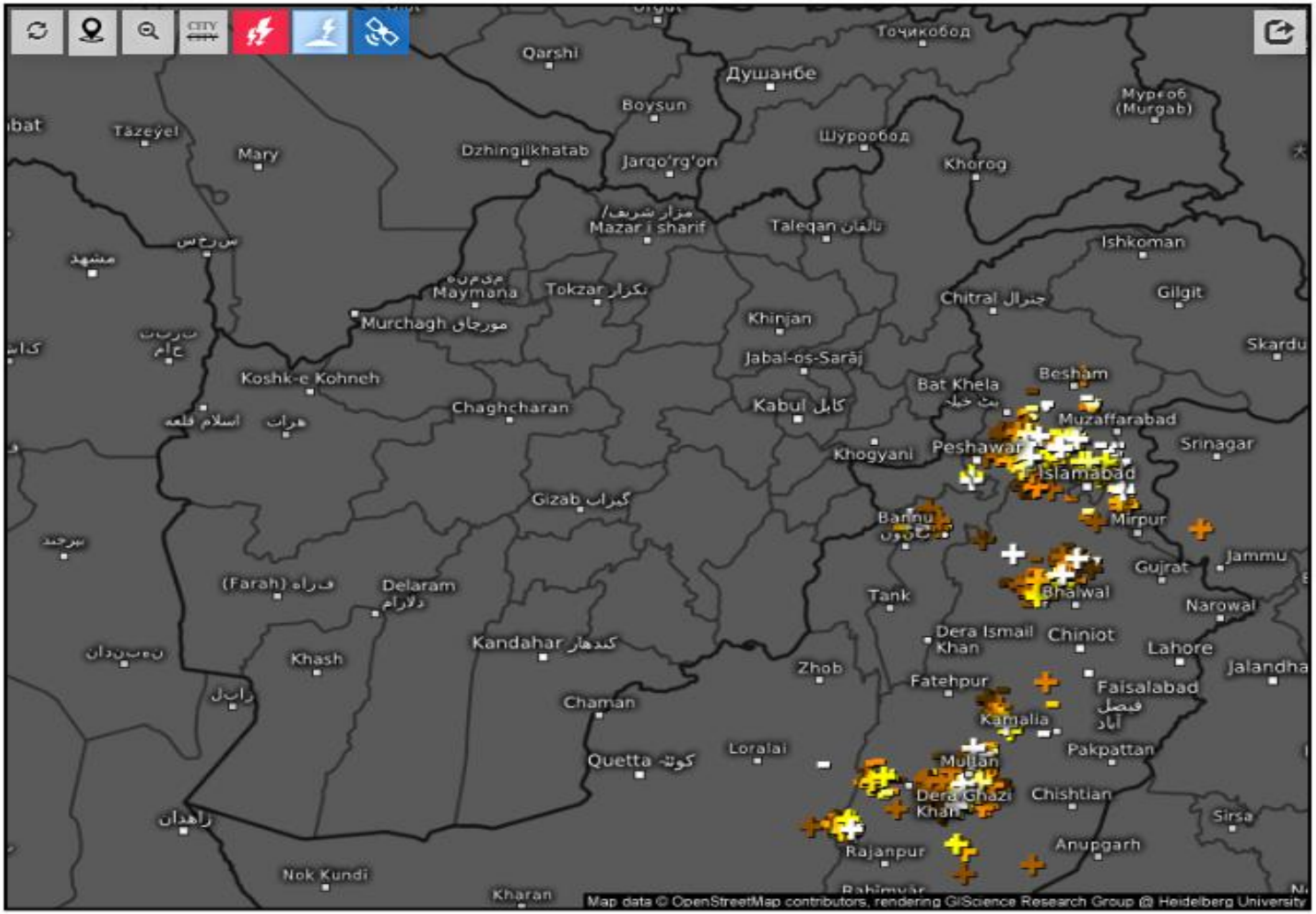

UTC : 2025-08-18 00:30
AirMass
Thick, high-level cloud
Thick, mid-level cloud
Thick, low-level cloud
Jet
Cold Airmass
Warm Airmass (high UTH)
Warm Airmass (low UTH)
R = WV (6.25) - WV (7.1)
G = IR (8.5) - IR (10.8)
B = WV (6.25)
FY-4B AirMass RGB Composite (From WMO)
NSMC


UTC : 2025-08-18 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

Mon 08/18/2025, 07:30am GMT+0430

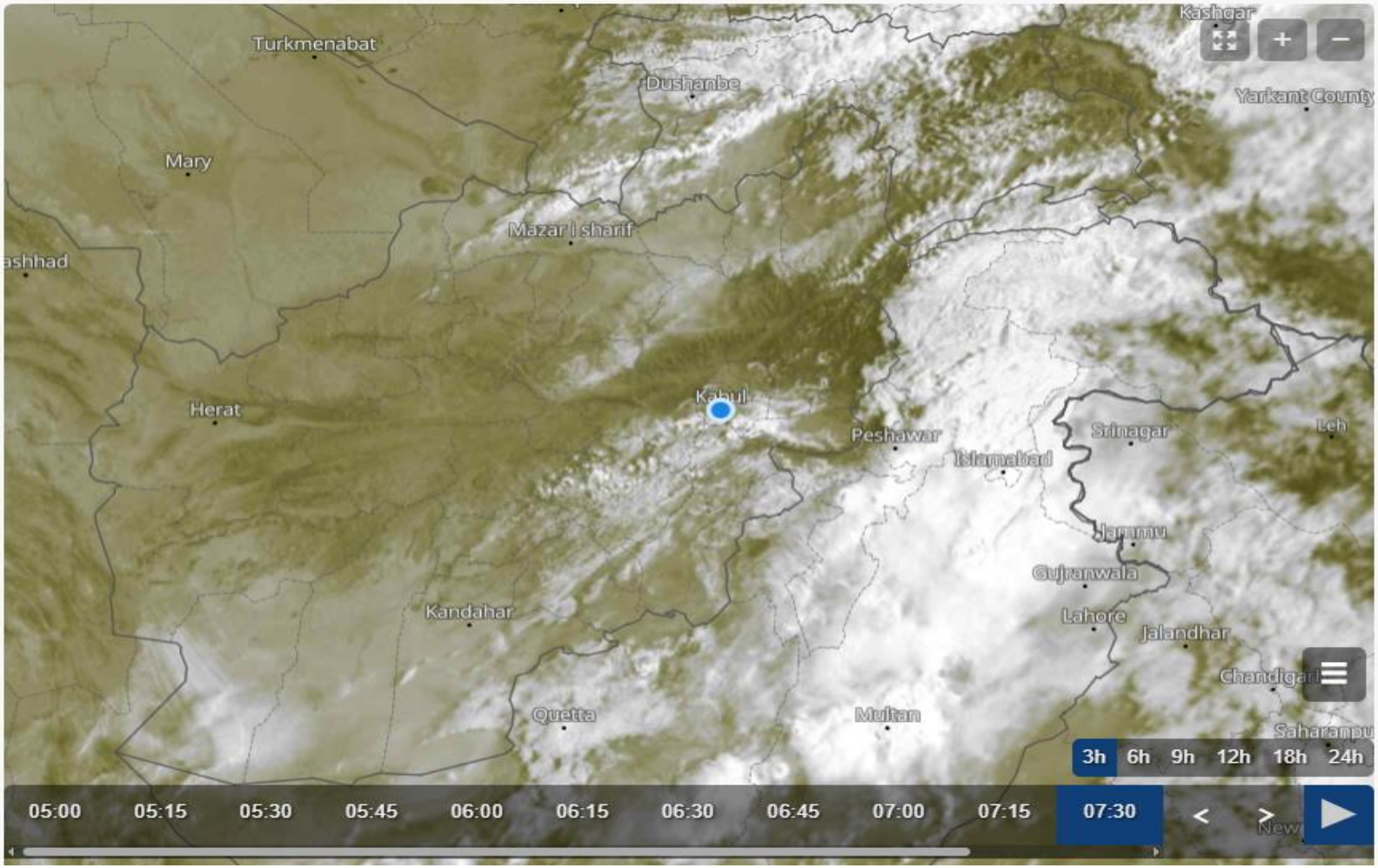


Age of lightning (minutes)

Mon 08/18/2025, 07:30am GMT+0430

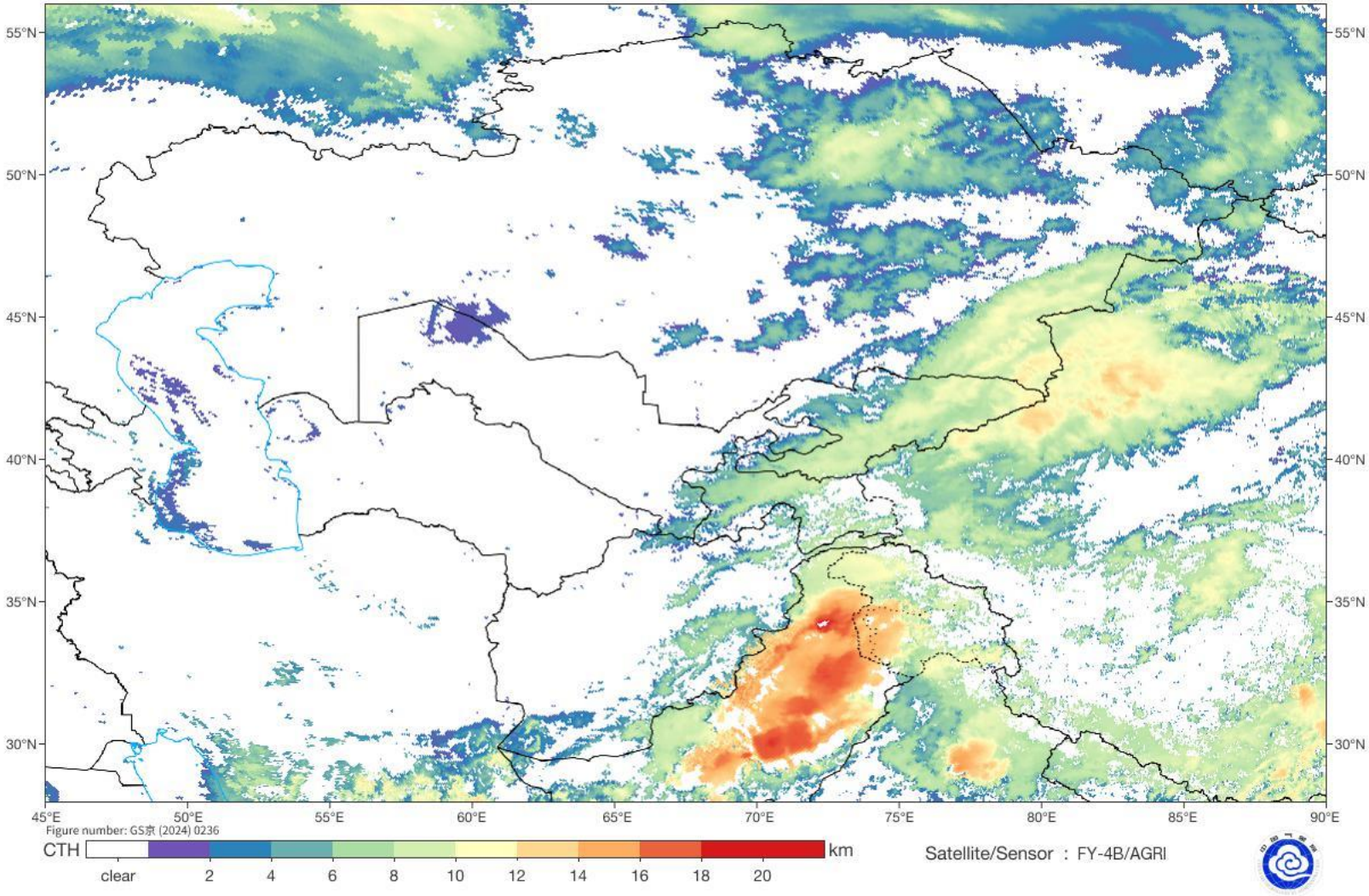
0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60

Live satellite map, Afghanistan



Cloud Top Height

2025-08-18 03:00(UTC)



Fog Identification

2025-08-18 03:00(UTC)

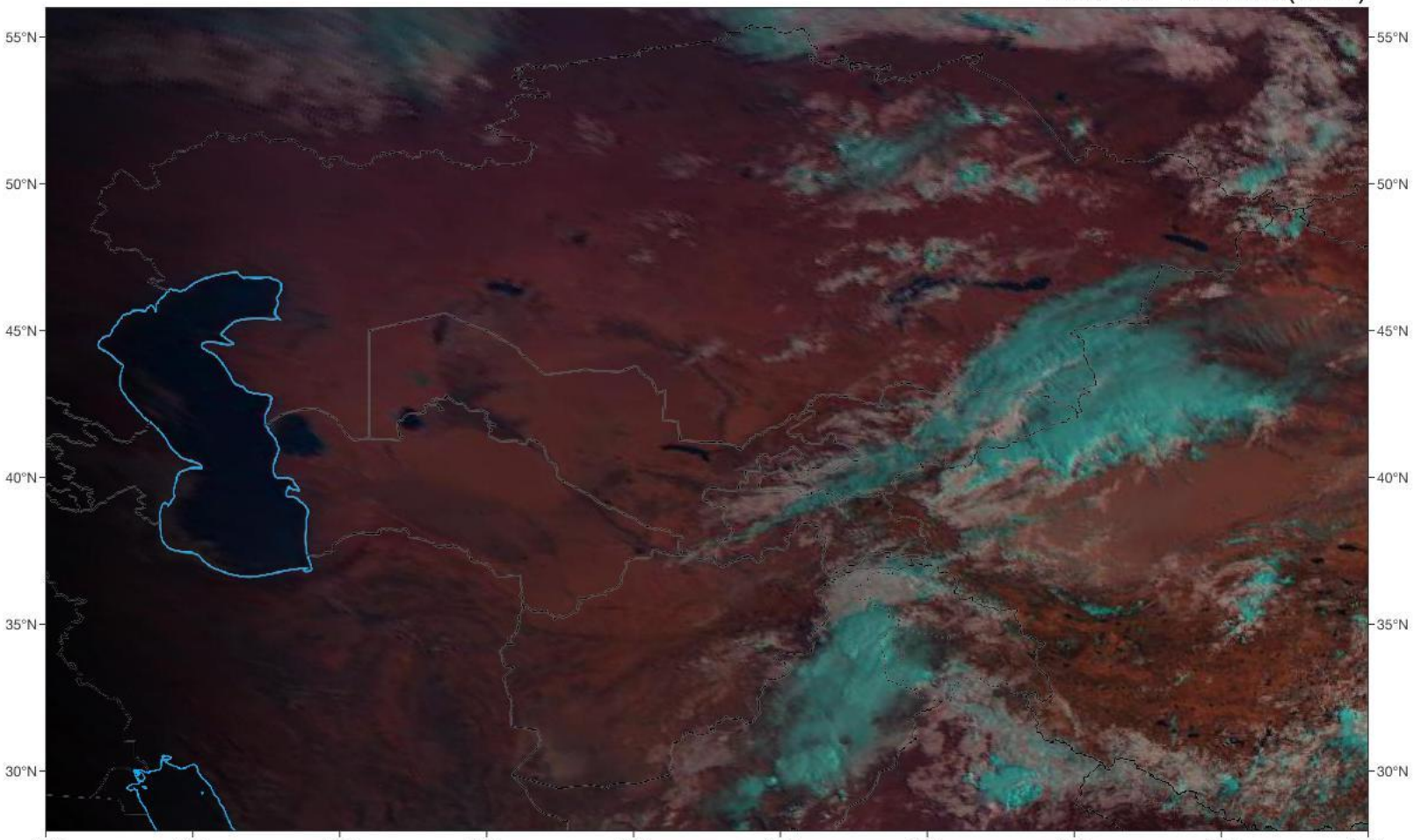


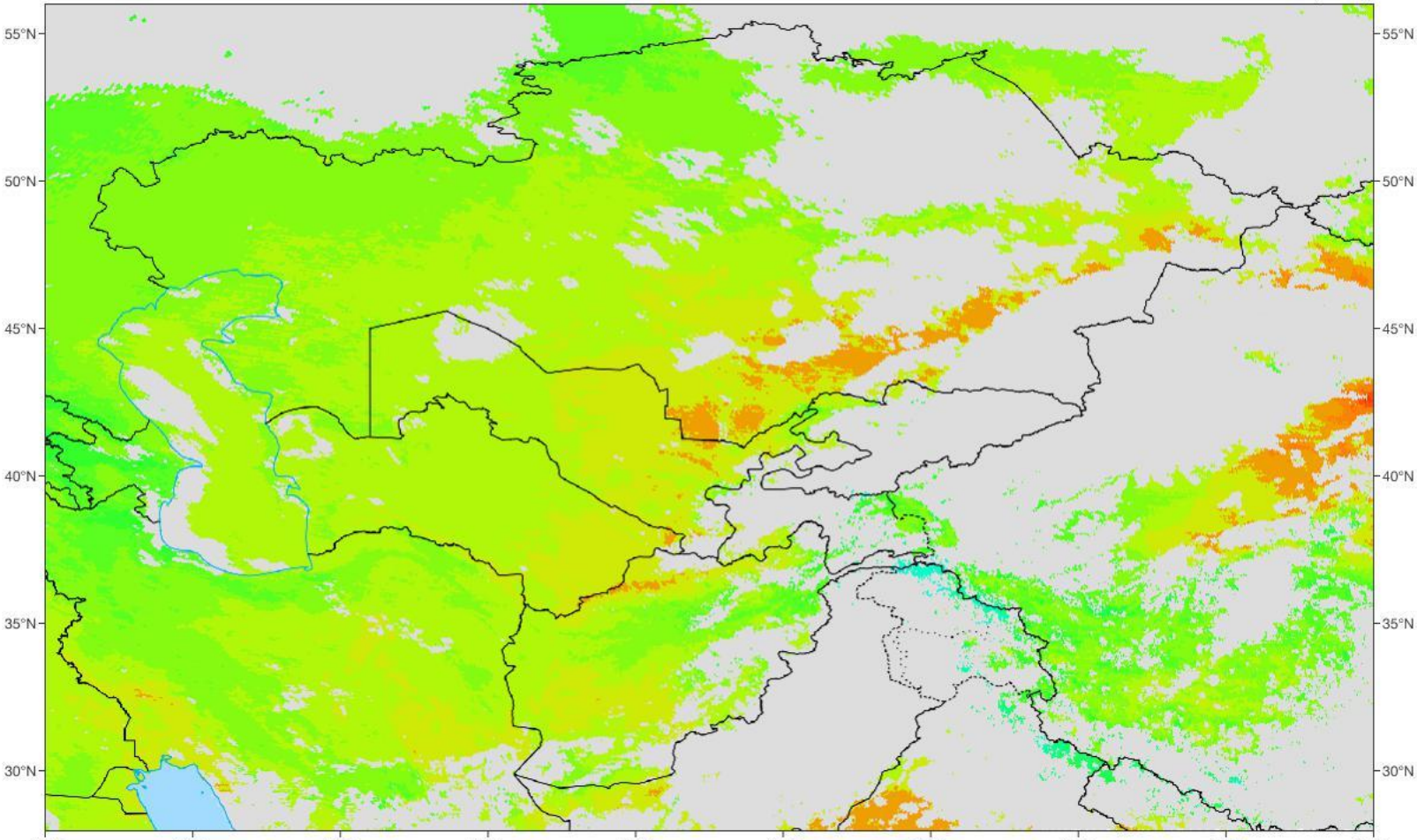
Figure number: GS京 (2024) 0236

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 : FY-4B/AGRI

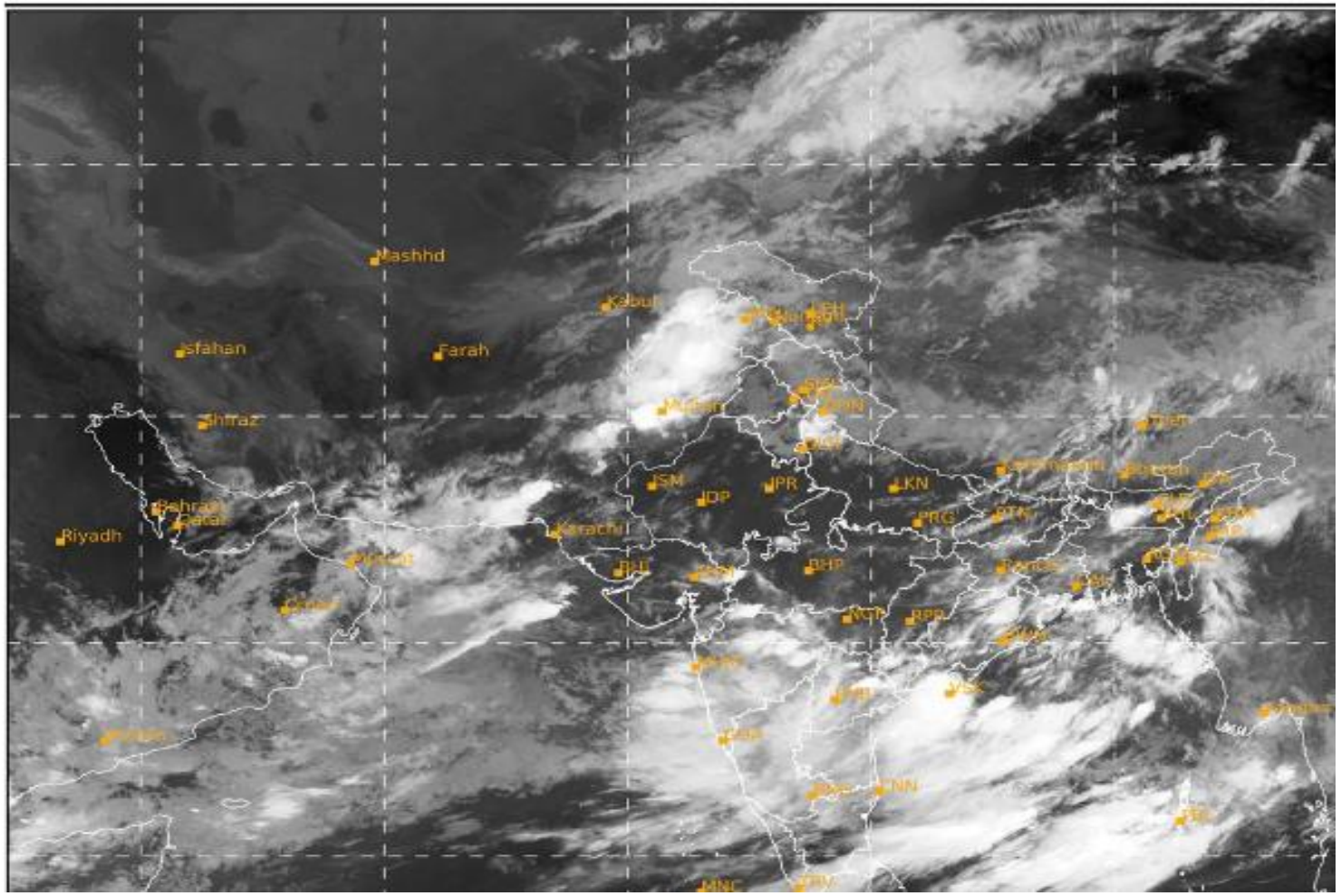
Land Surface Temperature

2025-08-18 03:00(UTC)



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

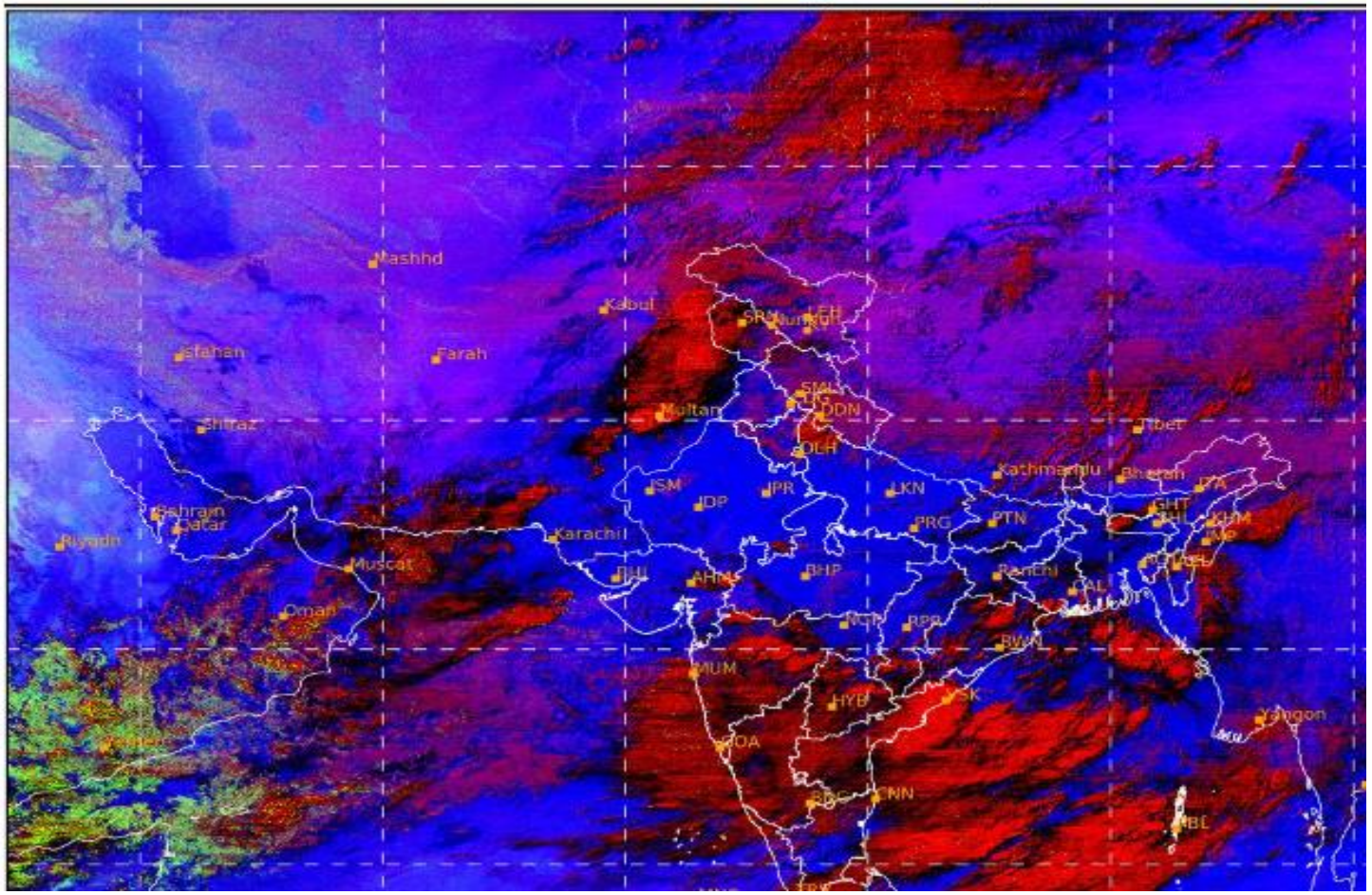
18-08-2025/(0215 to 0242) GMT
18-08-2025/(0745 to 0812) IST

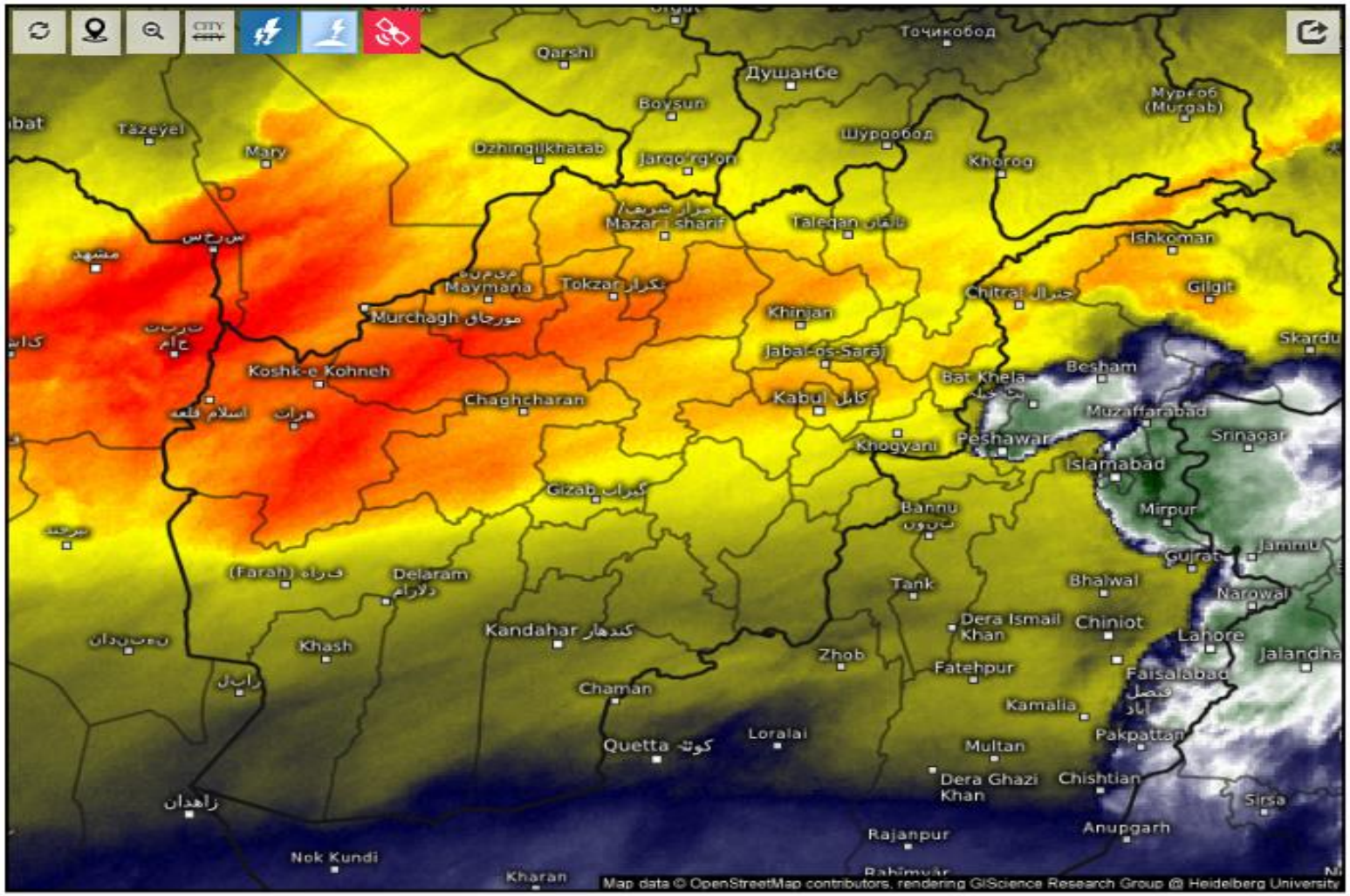


SAT : INSAT-3DR IMG 18-08-2025/(0215 to 0242) GMT

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

L1C Mercator 18-08-2025/(0745 to 0812) IST





Satellite Water Vapor

Sun 08/17/2025, 07:30am GMT+0430

wet/cold — dry/warm