



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



Daily reports of Satellite imagery analysis. Date & Time: 22/06/2025, 15:00 UTC, Number of reports: 1060

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

Details: According to satellite imagery analysis, the southern, western, southwestern and southeastern areas have worm air mass (High UTH). The western, northwestern areas have dust. The northern, eastern, central, southeastern and northeastern areas have cloudy sky. The all region have dry / warm water vapor. The southern and southwestern areas have Jetstream.

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

- Reported by: Esmatullah Mohammadi

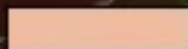
UTC : 2025-06-22 05:30

AirMass



Thick,

high-level cloud



Thick,

mid-level cloud



Thick,

low-level cloud



Jet

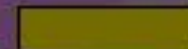


Cold Airmass



Warm Airmass

(high UTH)



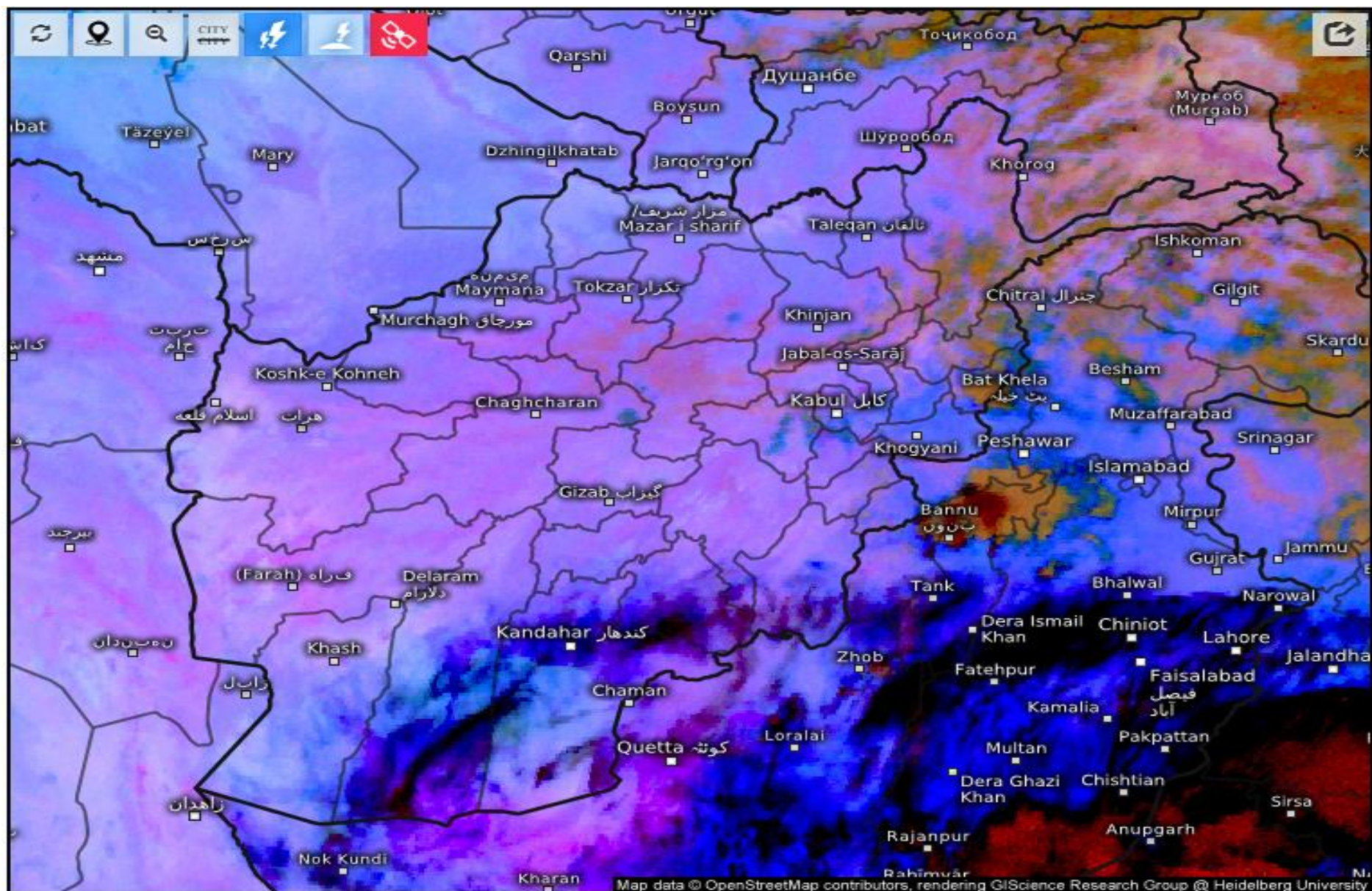
Warm Airmass

(low UTH)

R=
G=
B=

FY-4B AirMass RGB Composite (From WMO)



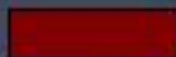


UTC : 2025-06-22 05:30

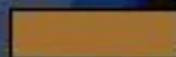
Dust



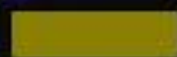
Dust



High-level cloud



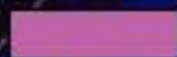
Thick,
mid-level cloud



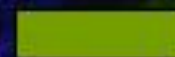
Thin,
mid-level cloud



Ocean



Land



Low-level cloud

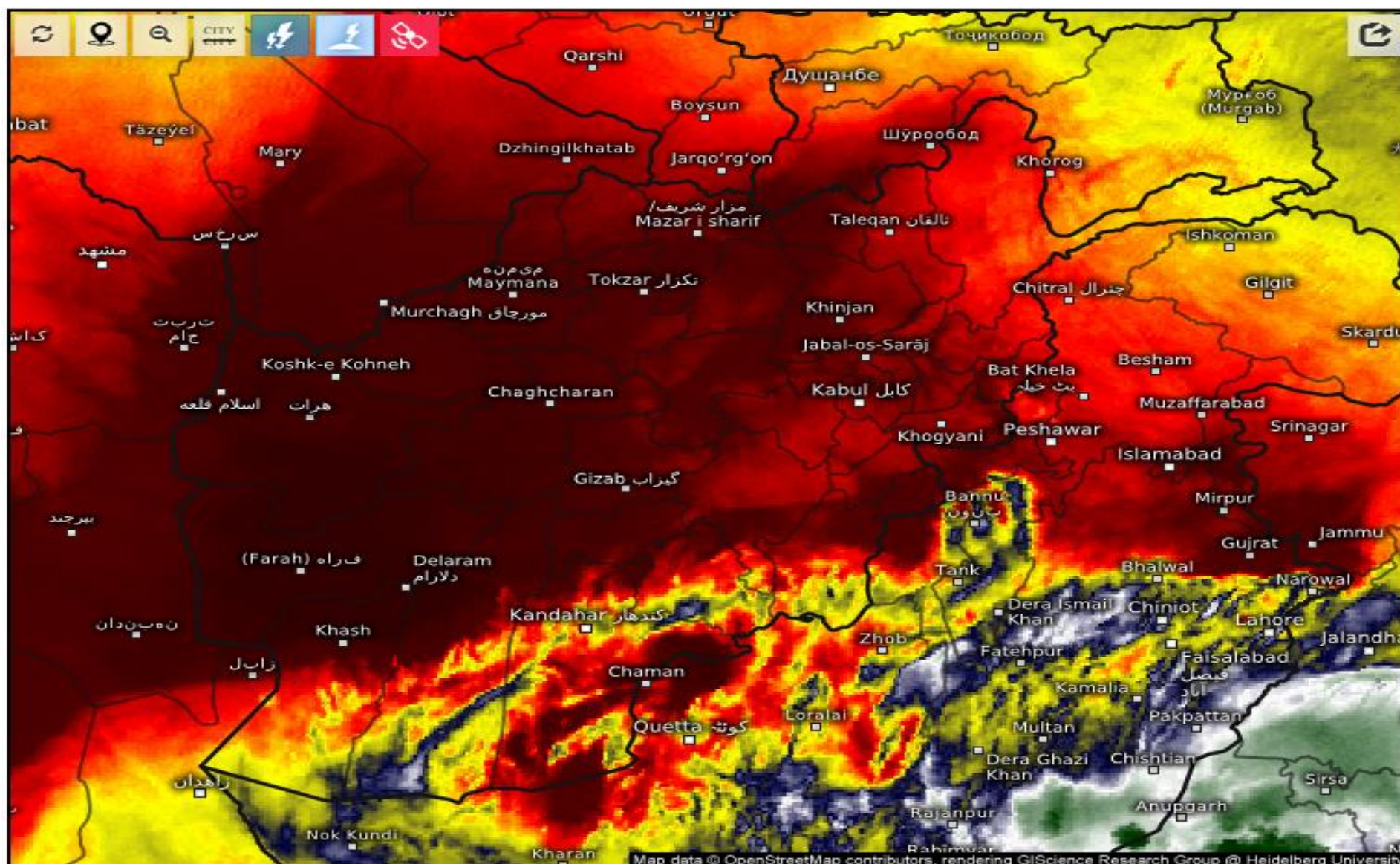


Cirrus

R = IR
G = IR
B = IR

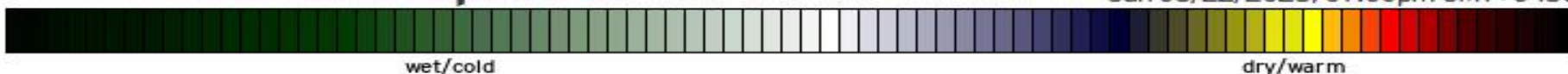
FY-4B Dust RGB Composite (From WMO)





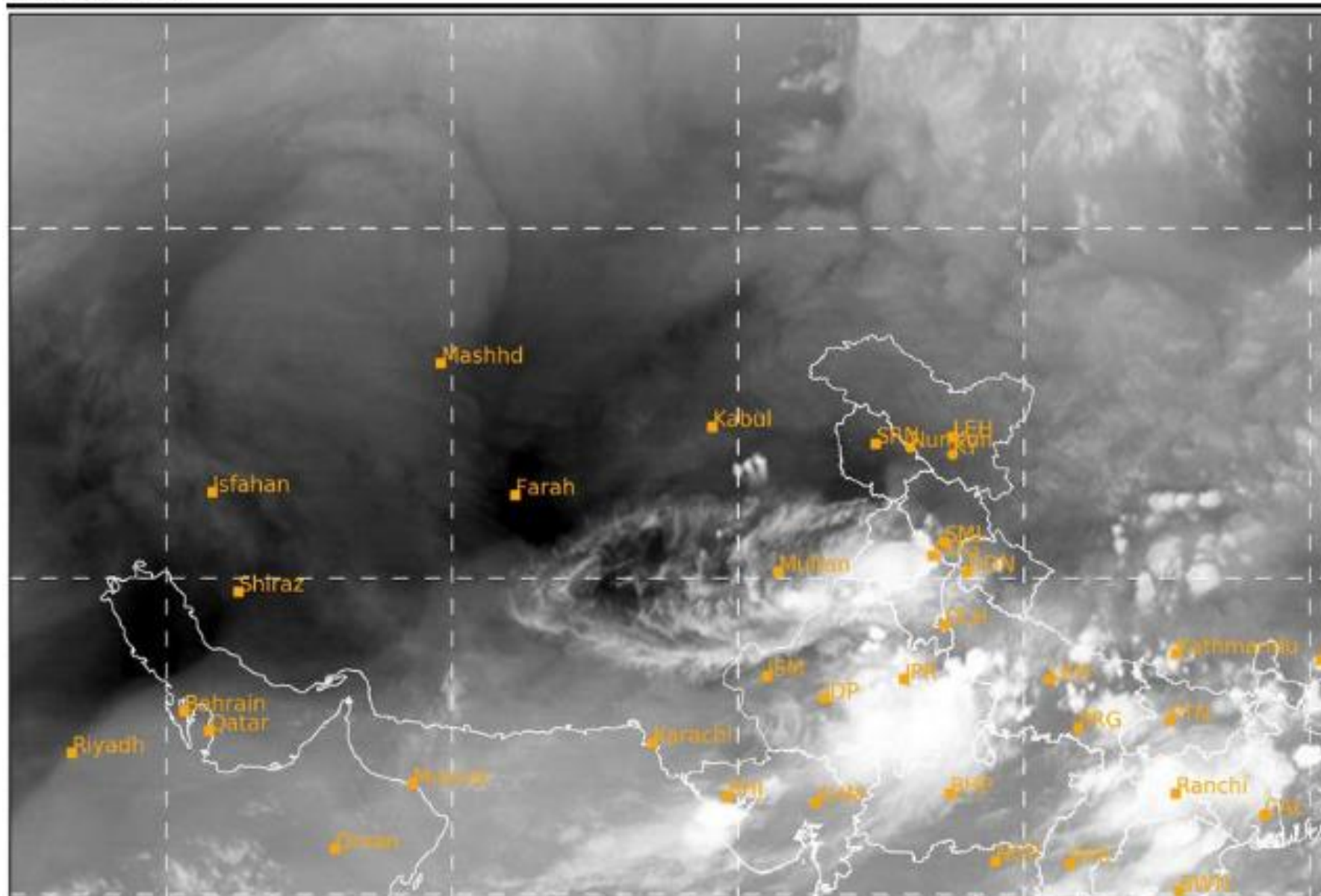
Satellite Water Vapor

Sun 06/22/2025, 07:00pm GMT+0430



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

22-06-2025/(1315 to 1342) GMT
22-06-2025/(1845 to 1912) IST



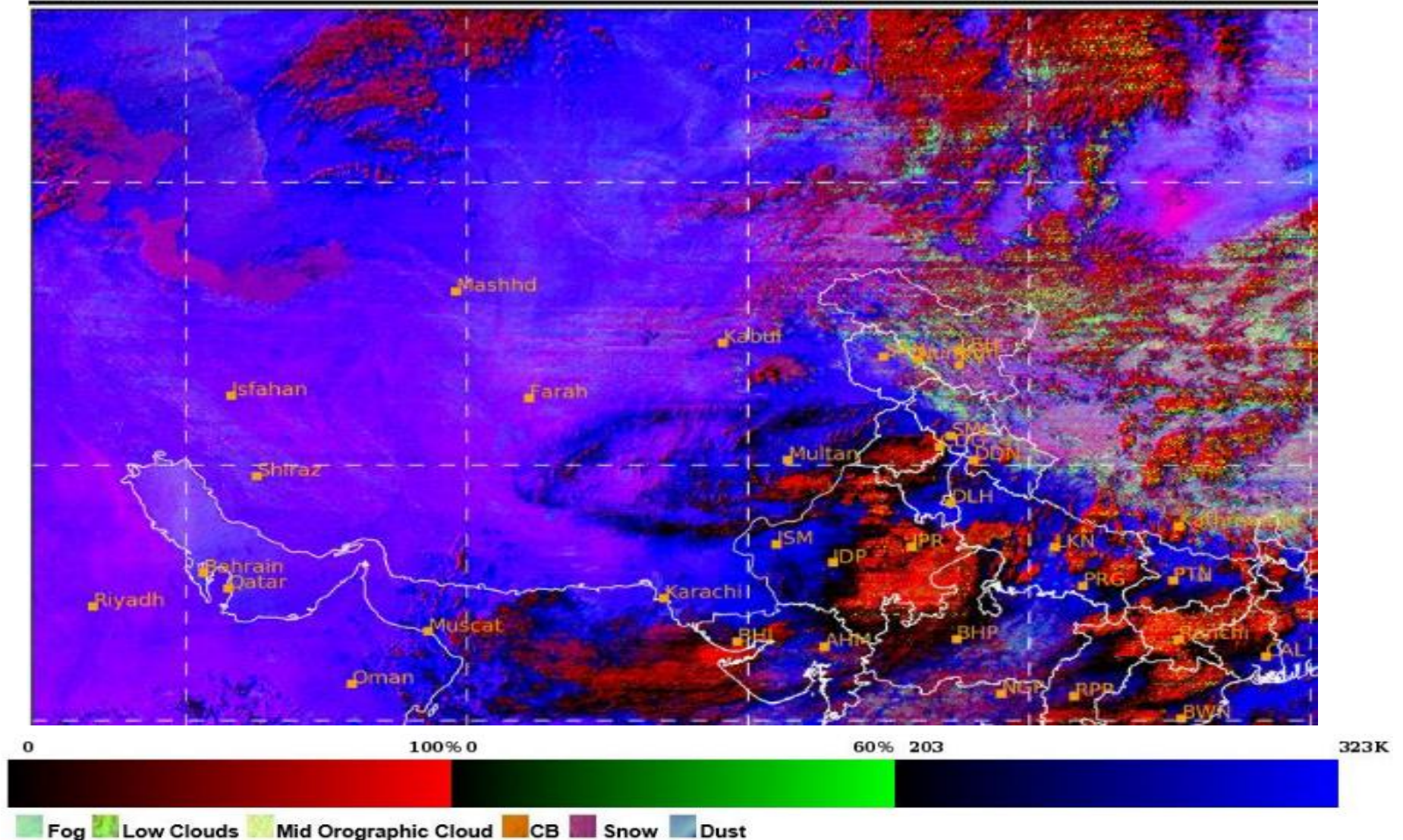
SAT : INSAT-3DR IMG

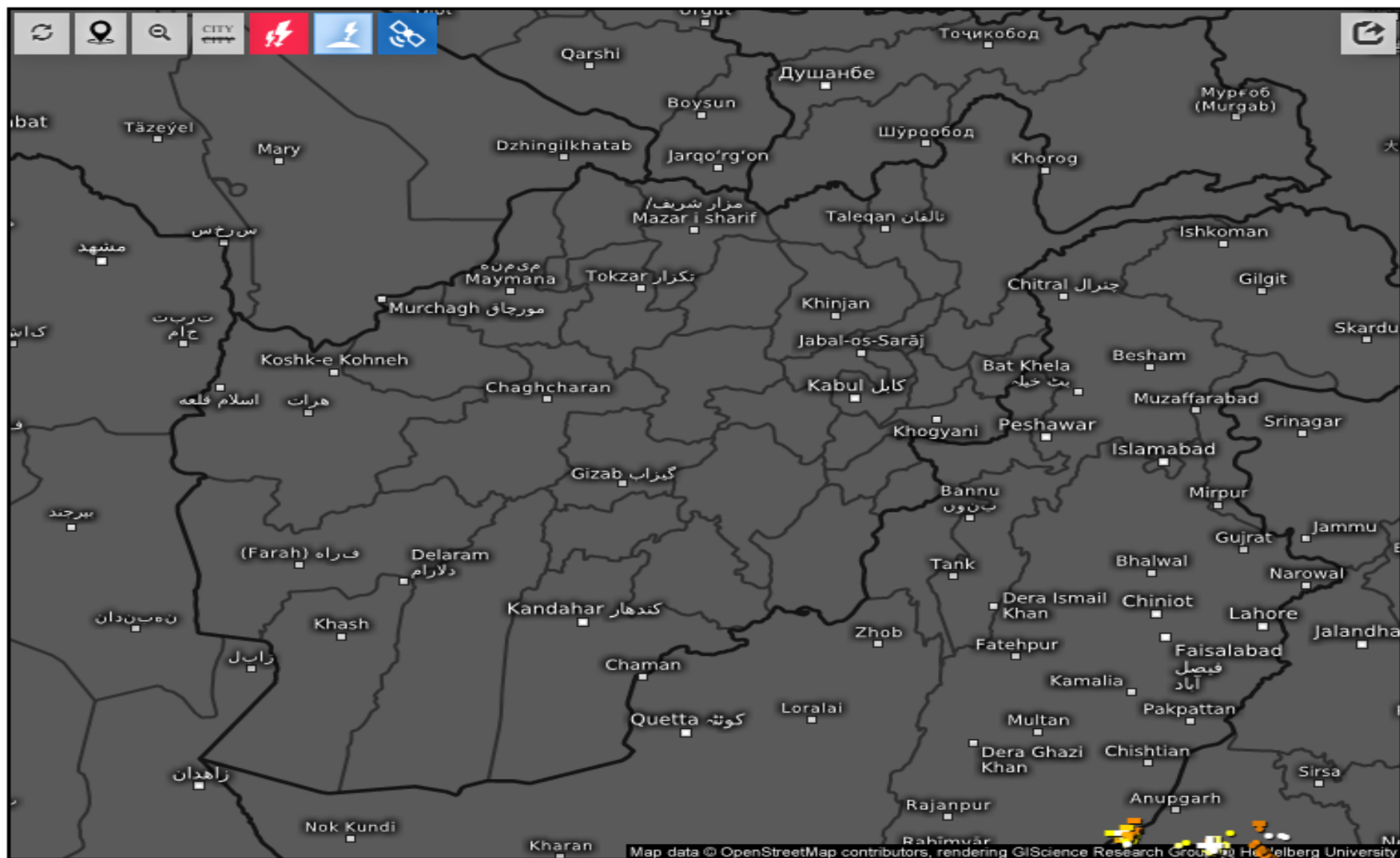
22-06-2025/(1345 to 1412) GMT

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

L1C Mercator

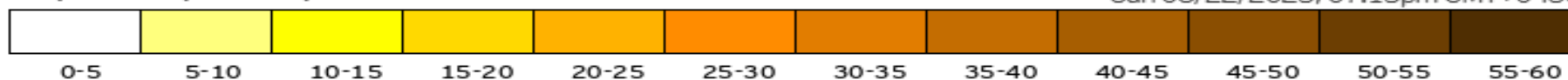
22-06-2025/(1915 to 1942) IST





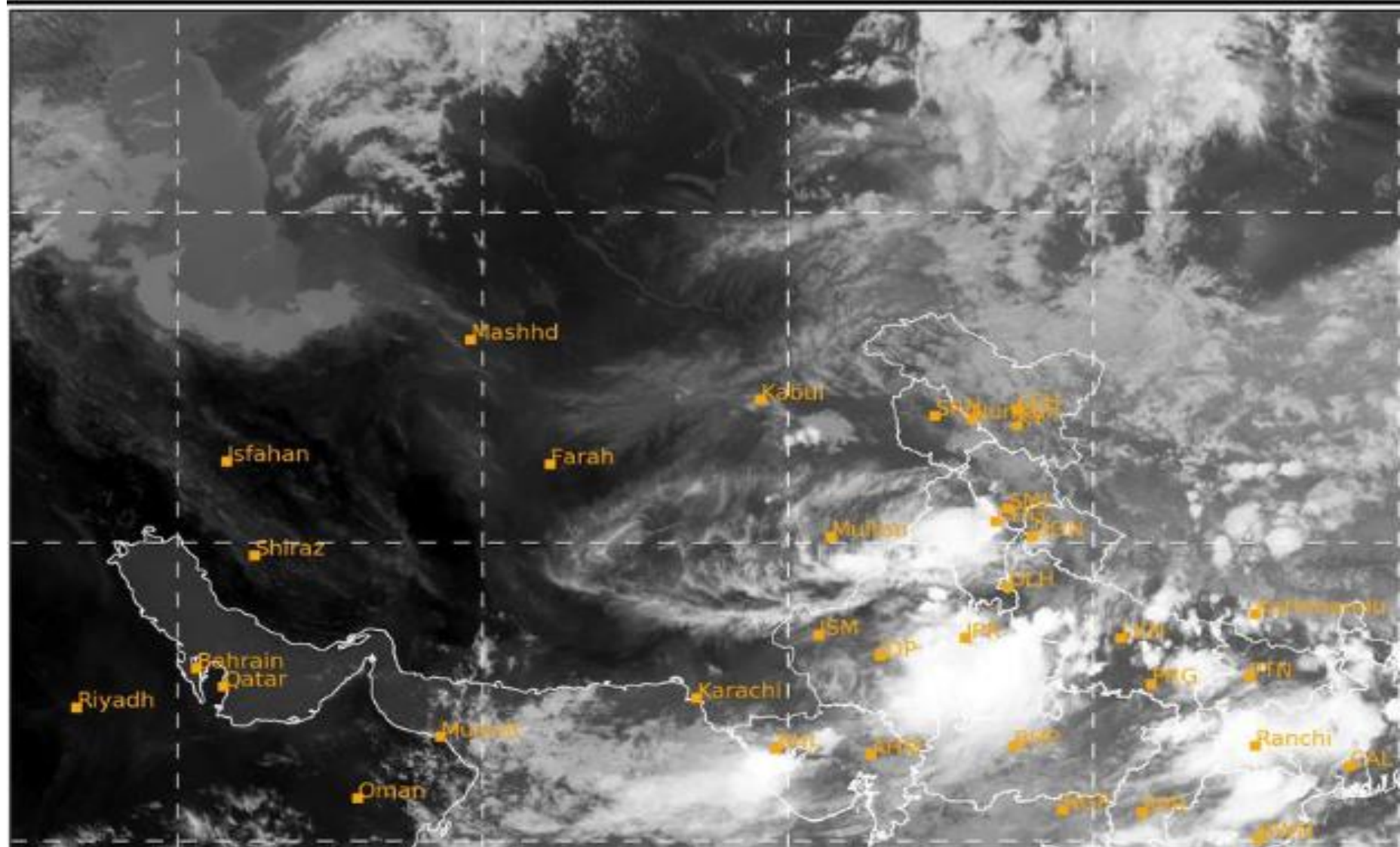
Age of lightning (minutes) 

Sun 06/22/2025, 07:15pm GMT+0430

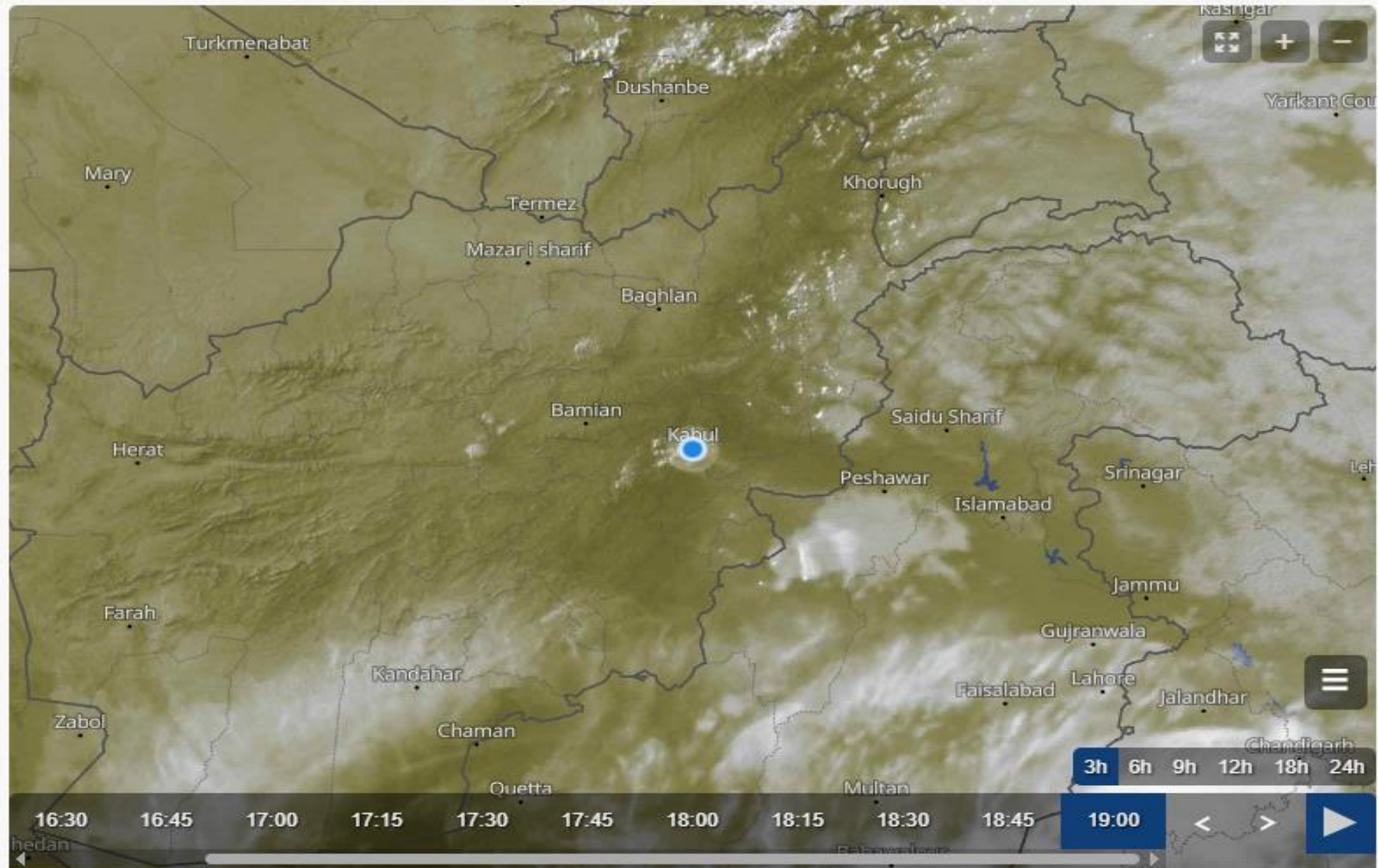


SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

22-06-2025/(1315 to 1342) GMT
22-06-2025/(1845 to 1912) IST

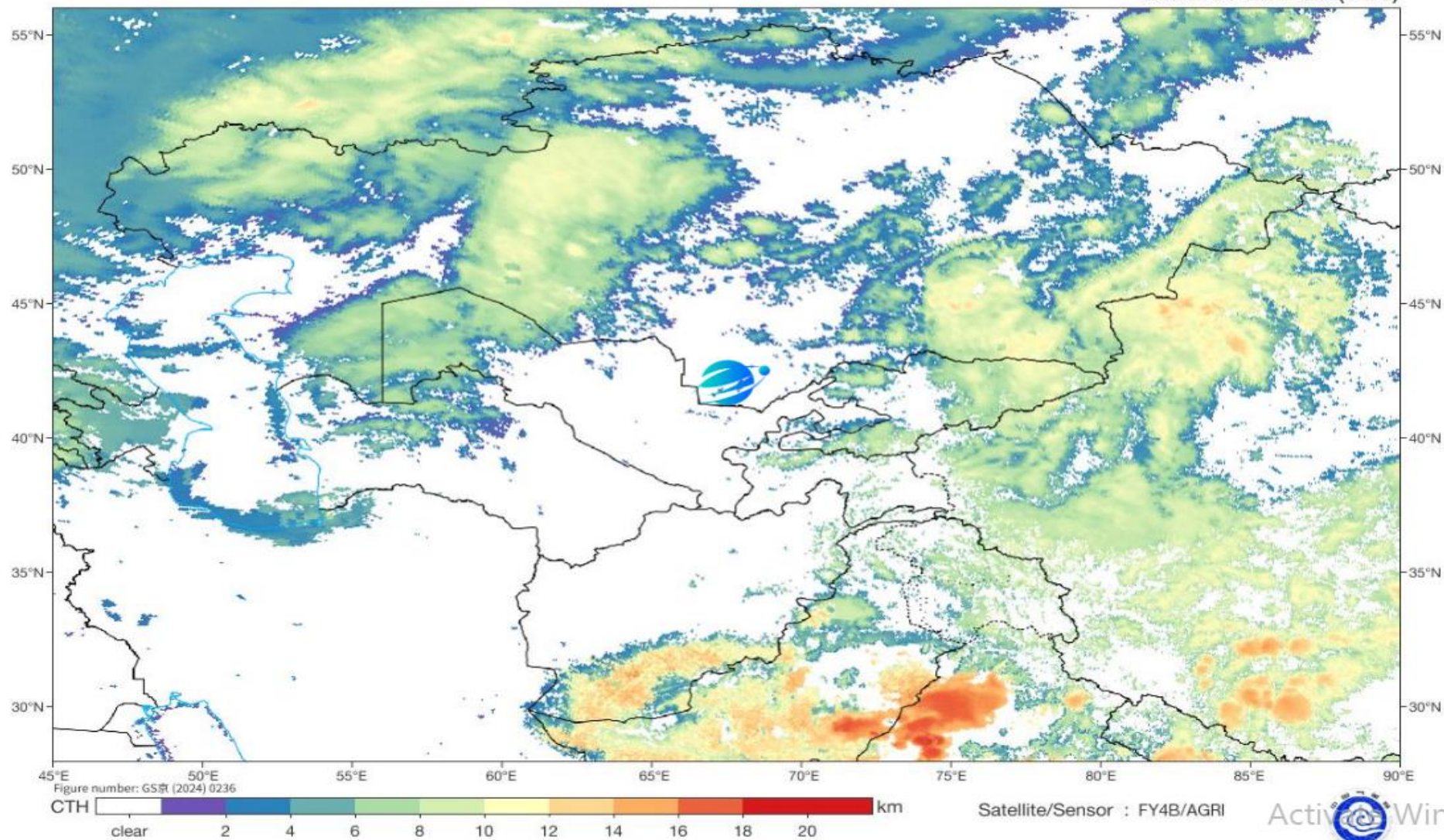


Live satellite map, Afghanistan



Cloud Top Height

2025-06-22 14:15(UTC)



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