



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



Daily reports of Satellite imagery analysis. Date & Time: 20-06-2026, 06:00 UTC

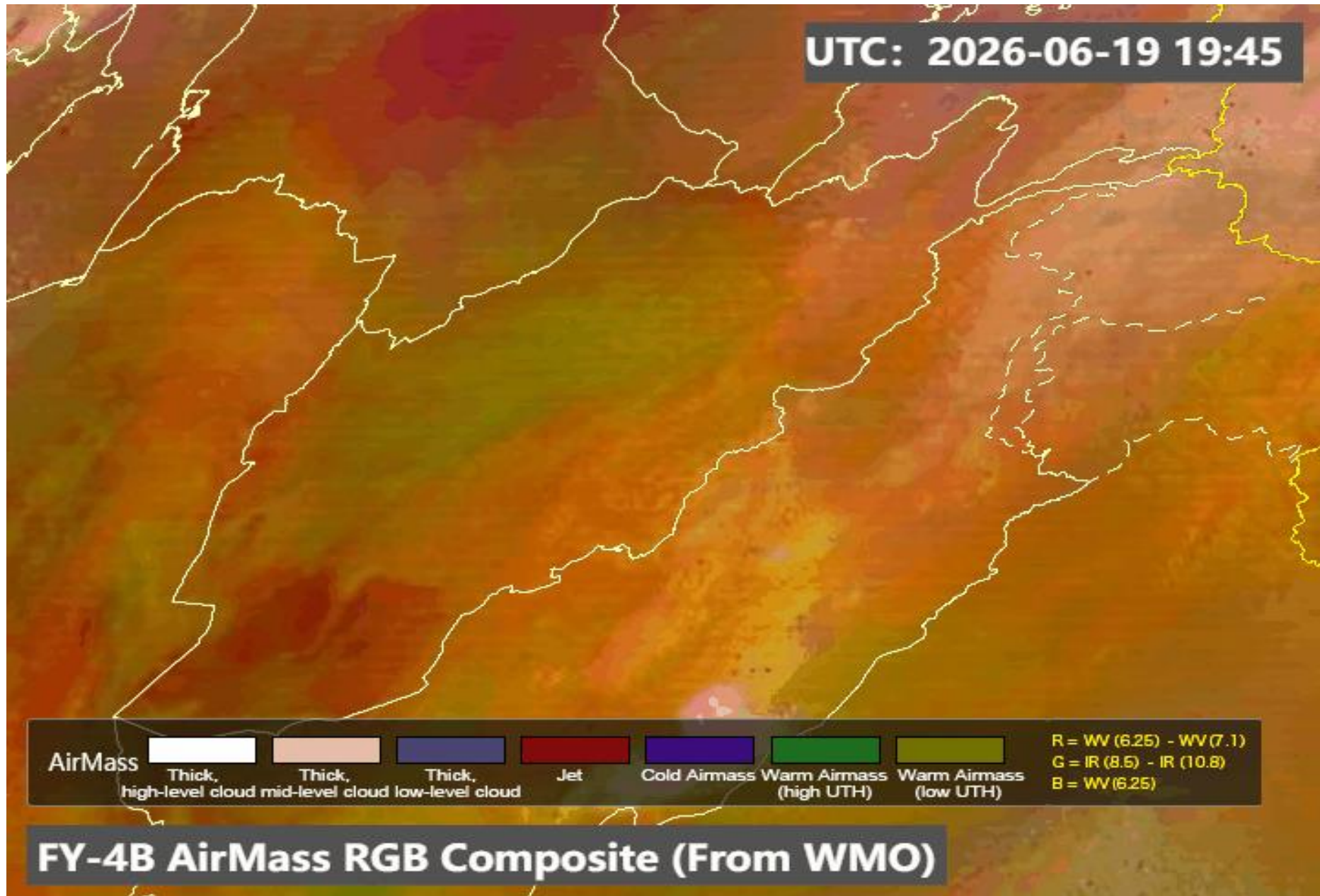
| No | Region | Air Mass | Dust Storm | Thunder storm | Cloud | Fog | Water Vapor | Cyclone & Anticyclone | Jetstream | Comments |
|----|-----------|----------|------------|---------------|-------|-----|-------------|-----------------------|-----------|----------|
| 1 | North | X | X | X | ✓ | X | ✓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

Details: According to satellite imagery analysis, the western, eastern, central, northeastern, southeastern and northwestern regions have a warm air mass with (High UTH). The western, central, northwestern and southwestern regions have dust. The eastern and northeastern regions have lightning. The northern, eastern, central, northeastern regions have cloudy skies. The northeastern regions have fog. The northern, eastern, central regions have weak water vapor, the northeastern regions have moderate water vapor and the southern, western, southeastern, northwestern, southwestern regions have dry/warm water vapor.

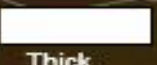
Not: X (Not existing phenomena) ✓ (existing phenomena)

Reported by: Esmatullah Mohammadi

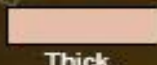
UTC: 2026-06-19 19:45



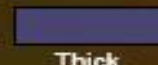
AirMass



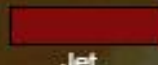
Thick, high-level cloud



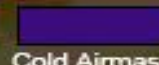
Thick, mid-level cloud



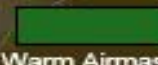
Thick, low-level cloud



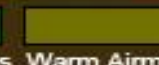
Jet



Cold Airmass



Warm Airmass (high UTH)

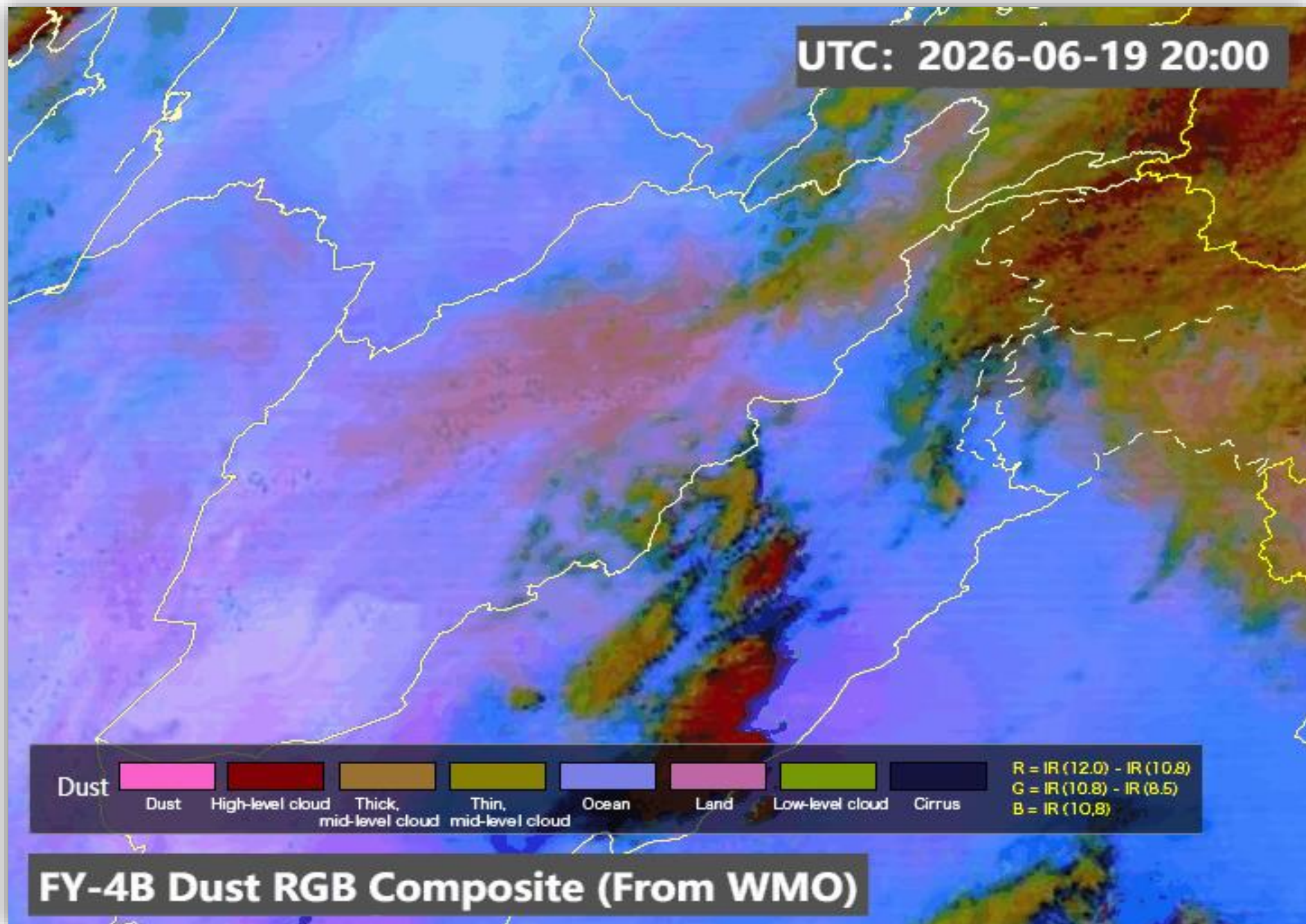


Warm Airmass (low UTH)


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)

UTC: 2026-06-19 20:00



Dust

| | | | | | | | | |
|---|---|---|---|--|---|---|---|---------------------------|
|  |  |  |  |  |  |  |  | $R = IR(12.0) - IR(10.8)$ |
| Dust | High-level cloud | Thick, mid-level cloud | Thin, mid-level cloud | Ocean | Land | Low-level cloud | Cirrus | $G = IR(10.8) - IR(8.5)$ |
| | | | | | | | | $B = IR(10.8)$ |

FY-4B Dust RGB Composite (From WMO)

Sand And Dust Identification

2026-06-20 05:30(UTC)

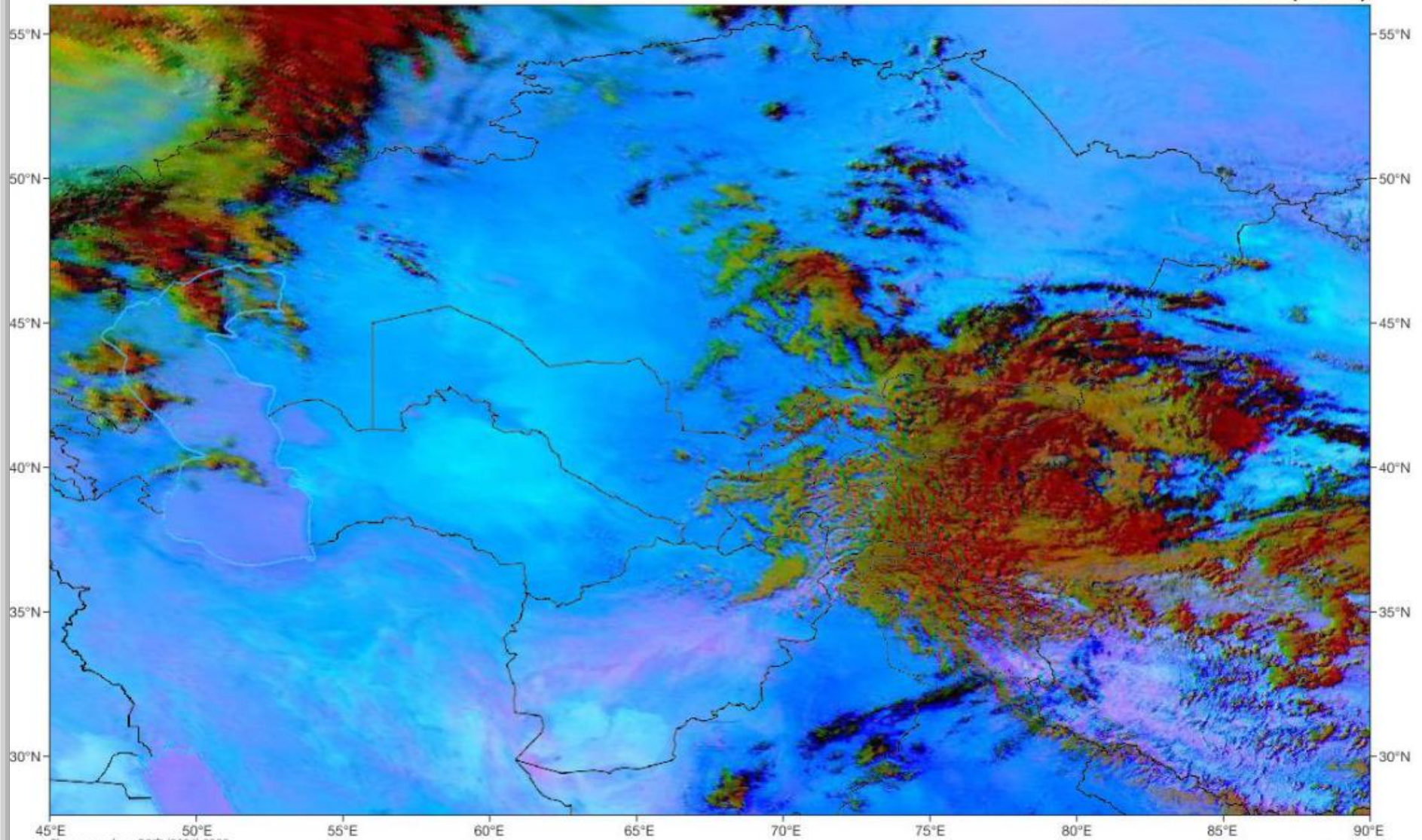


Figure number: GS京(2024) 0236

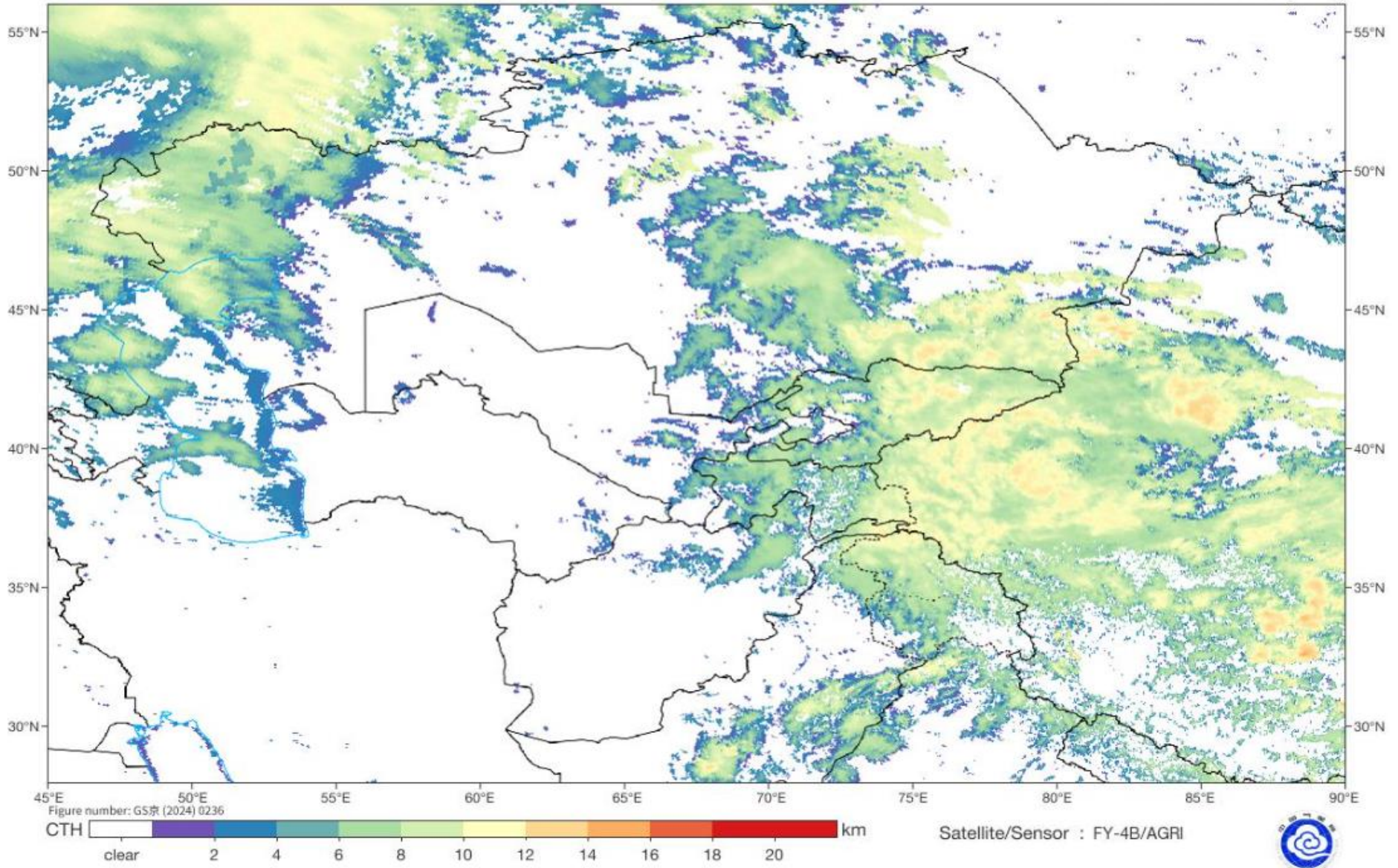


Satellite/Sensor : FY-4B/AGRI

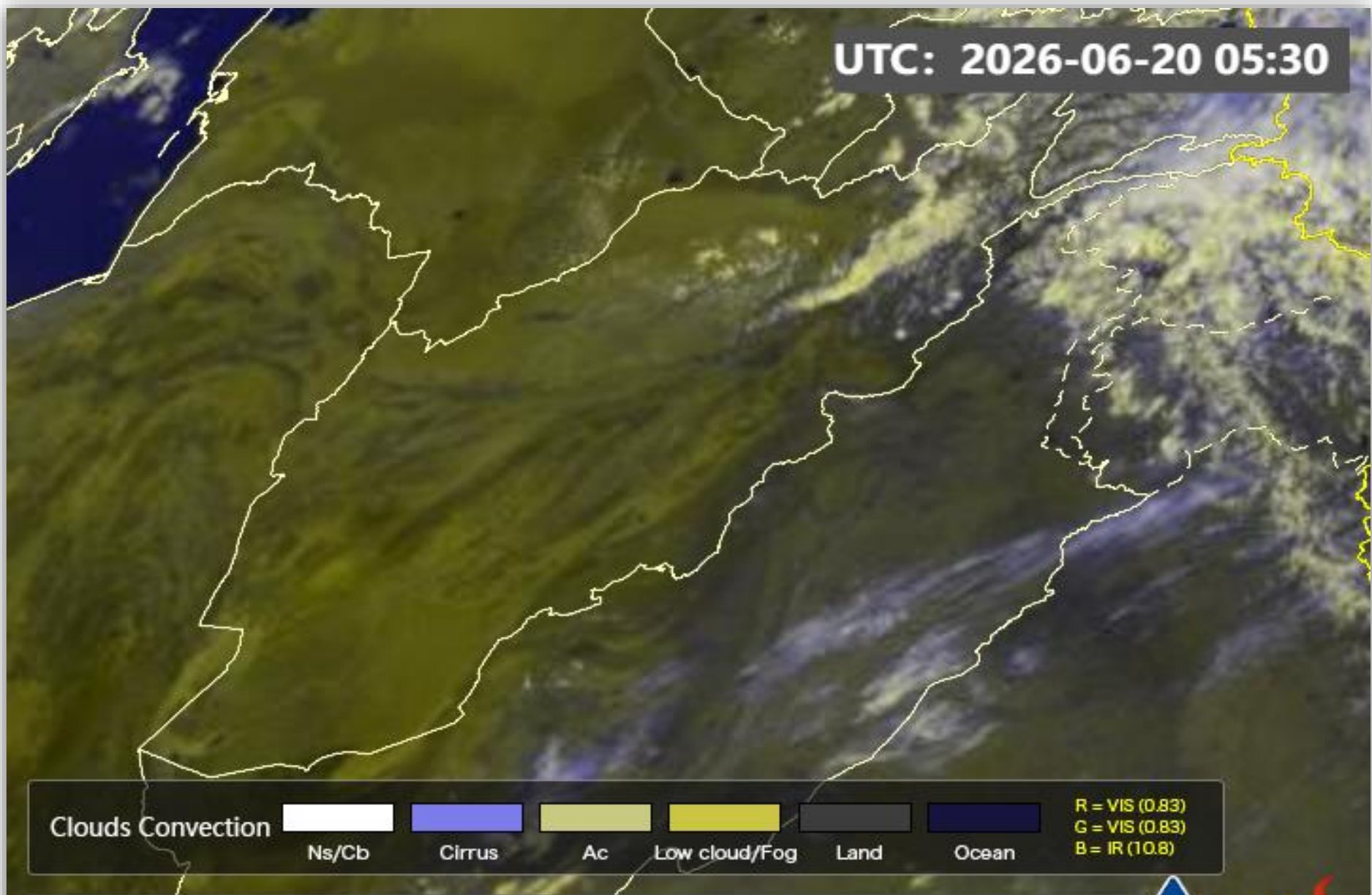


Cloud Top Height

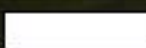
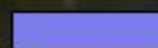
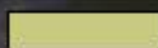
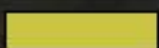
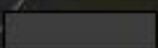
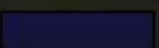
2026-06-20 05:30(UTC)



UTC: 2026-06-20 05:30



Clouds Convection

| | | | | | |
|---|---|--|---|---|---|
|  |  |  |  |  |  |
| Ns/Cb | Cirrus | Ac | Low cloud/Fog | Land | Ocean |

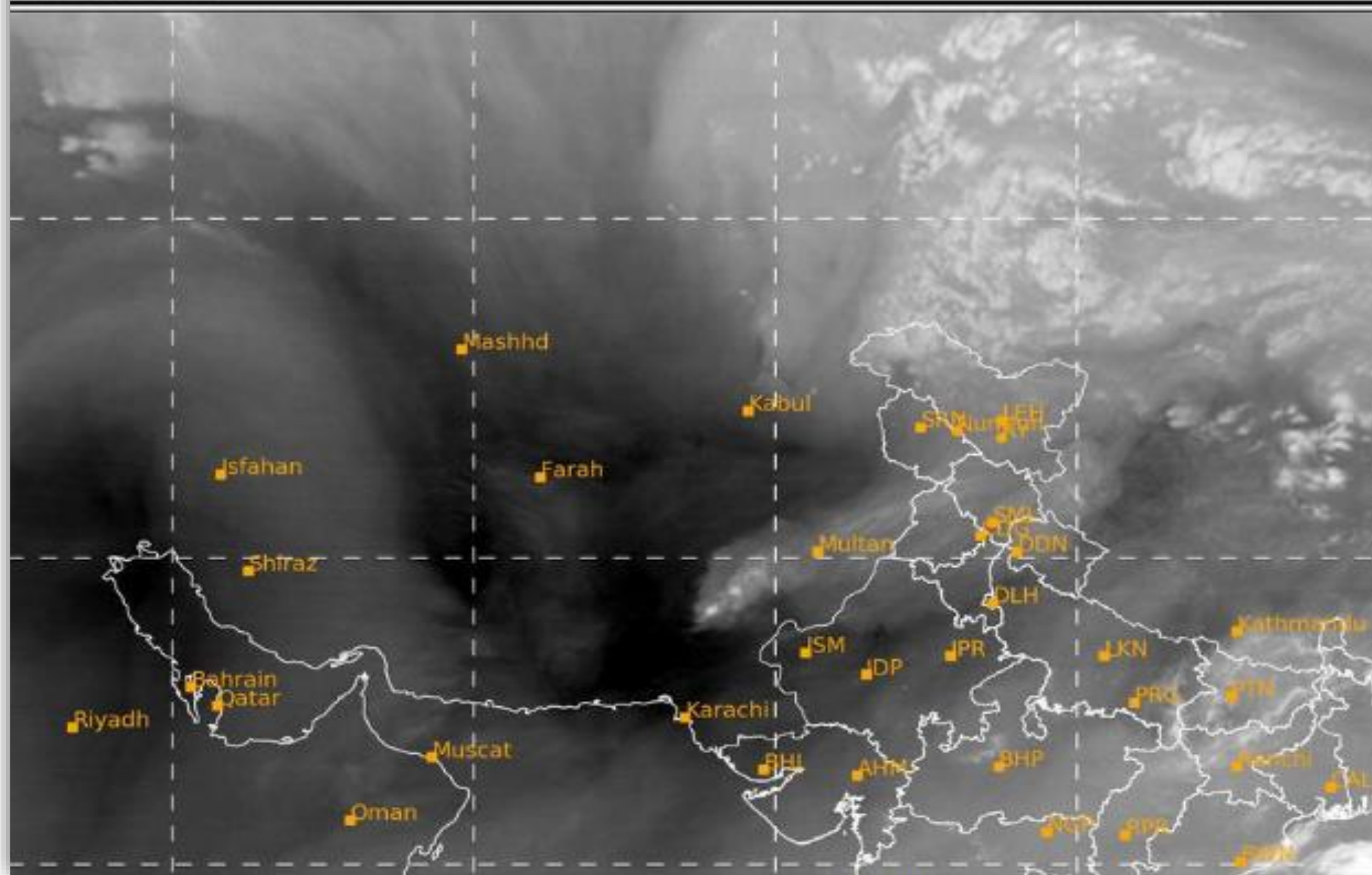
R = VIS (0.83)
G = VIS (0.83)
B = IR (10.8)

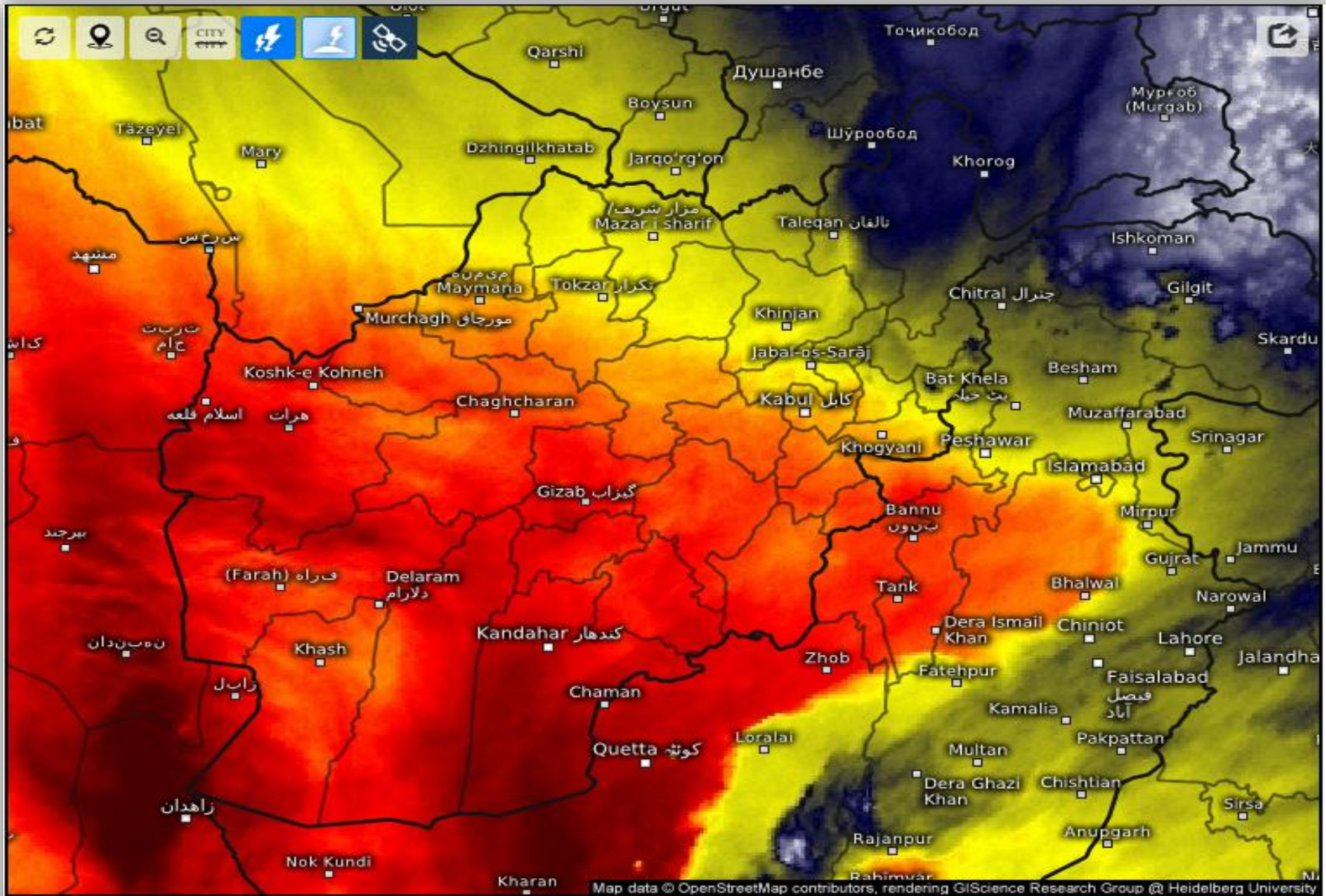
FY-4B CloudsConvection RGB Composite (From WMO)



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

20-06-2026/(0445 to 0512) GMT
20-06-2026/(1015 to 1042) IST





Satellite Water Vapor

Sat 06/20/2026, 10:00am GMT+0430

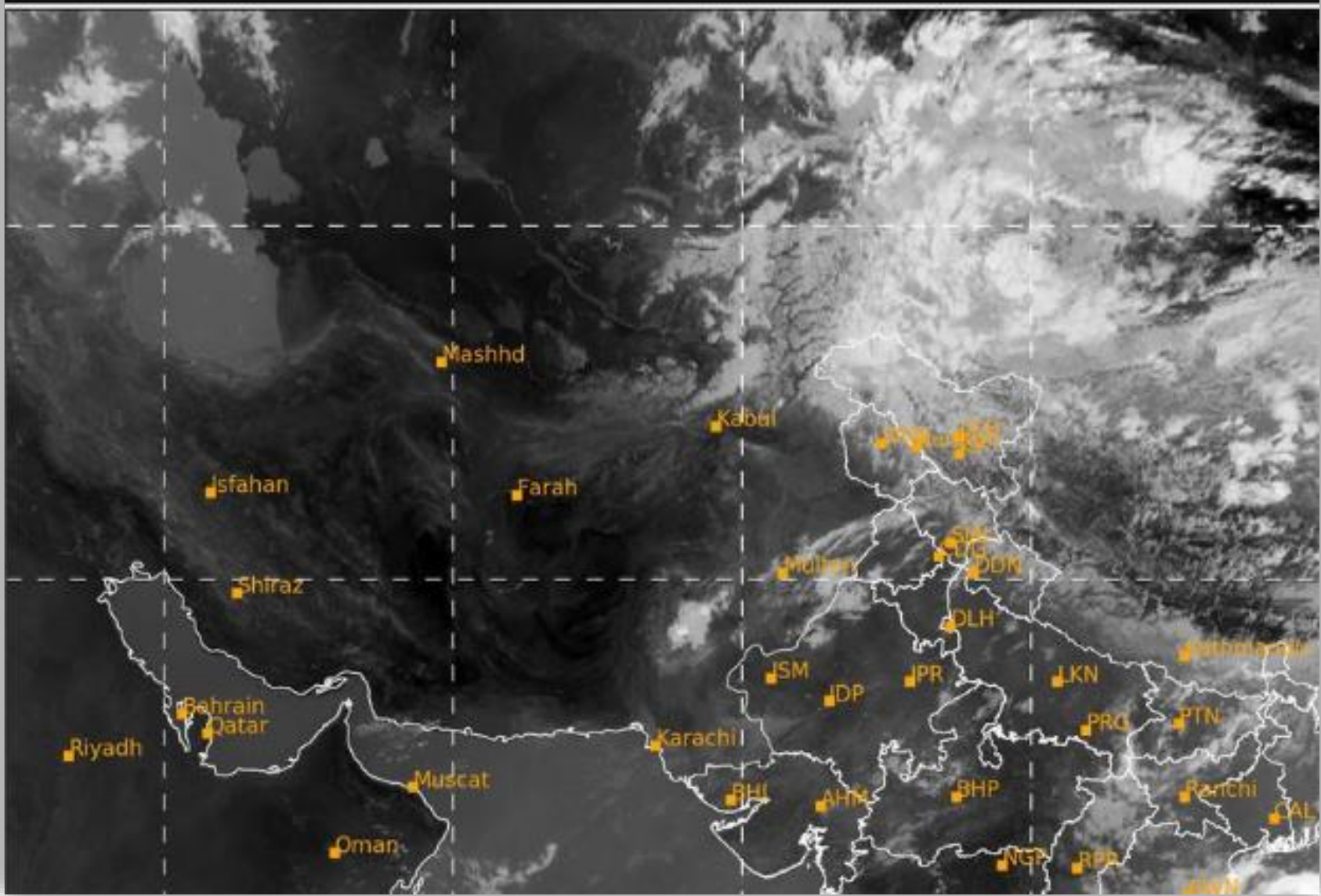


wet/cold

dry/warm

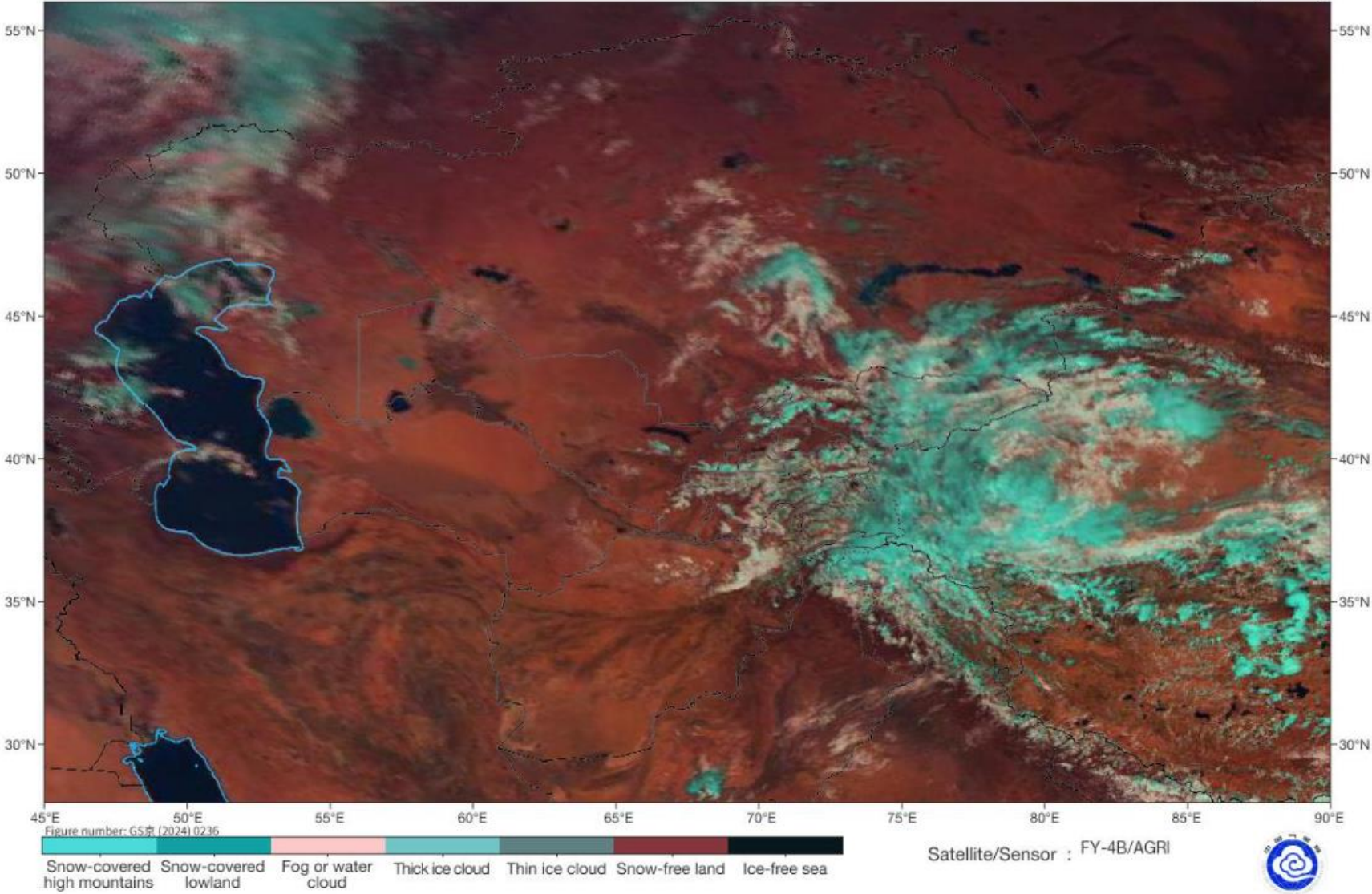
SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

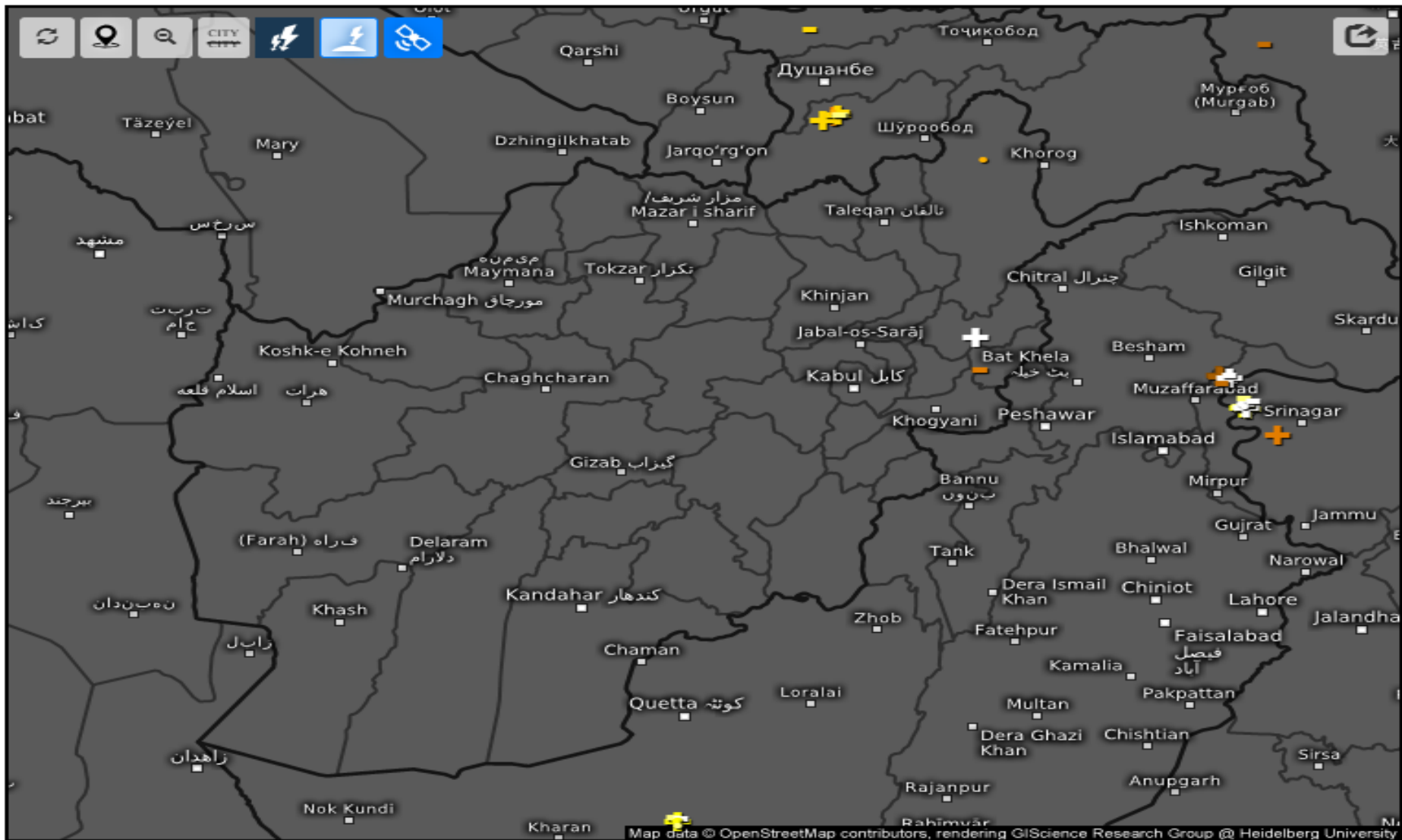
20-06-2026/(0445 to 0512) GMT
20-06-2026/(1015 to 1042) IST



Fog Identification

2026-06-20 05:30(UTC)





Age of lightning (minutes) i

Sat 06/20/2026, 10:30am GMT+0430

