



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



**Daily reports of Satellite imagery analysis. Date & Time: 10-09-2026, 07:30 UTC**

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

**Details:** according to satellite imagery analysis, the northern, western, eastern, central, northeastern, southeastern, northwestern regions have weak warm air mass. The southern and southwestern regions have cold air mass. The southern, central, southeastern regions have dust. The western regions have thunder storm. The western, eastern and southeastern regions have cloudy sky. The all- regions have weak water vapor, with the exception of western, northwestern regions have moderate water vapor. The northern, and southwestern regions have Jetstream.

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

**Reported by:** Esmatullah Mohammadi

**Legend:**

| Dust      |            | Water vapor |     | Air mass |      | Thunder storm | Cloud | Fog | Jet stream | Cyclone & Anticyclone |           |
|-----------|------------|-------------|-----|----------|------|---------------|-------|-----|------------|-----------------------|-----------|
| Weak Dust | Dust storm | Weak        | Dry | Moderate | Warm | Cold          |       |     |            | Cyclon                | Anticyclo |

UTC: 2026-09-09 22:15

AirMass



Thick,  
high-level cloud



Thick,

mid-level cloud



Thick,

low-level cloud



Jet



Cold Airmass



Warm Airmass  
(high UTH)



Warm Airmass  
(low UTH)

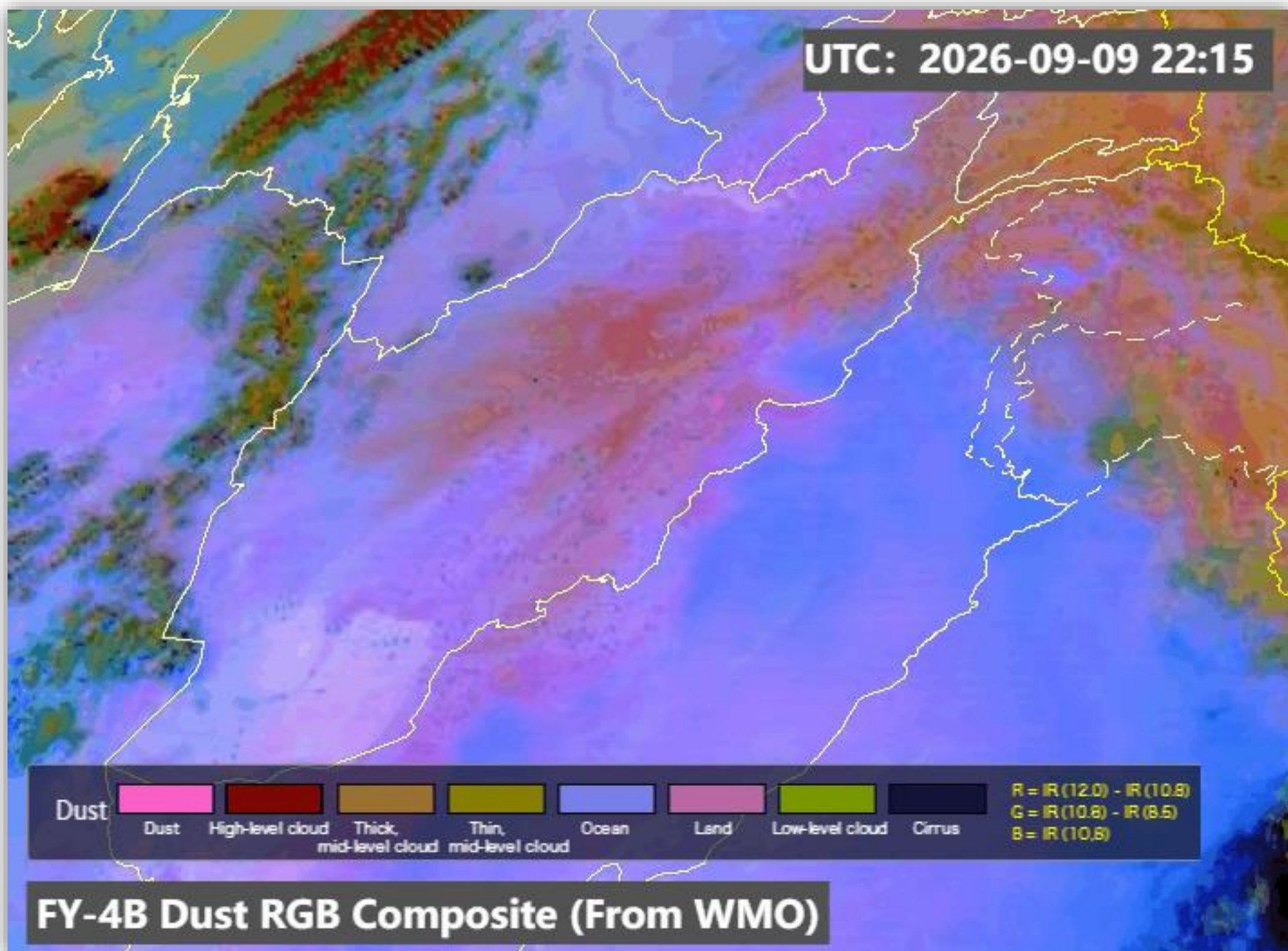
R = WV (6.25) - WV (7.1)

G = IR (8.5) - IR (10.8)

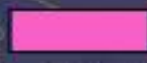
B = WV (6.25)

**FY-4B AirMass RGB Composite (From WMO)**

UTC: 2026-09-09 22:15



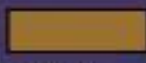
Dust



Dust



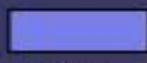
High-level cloud



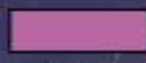
Thick,  
mid-level cloud



Thin,  
mid-level cloud



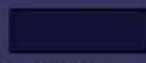
Ocean



Land



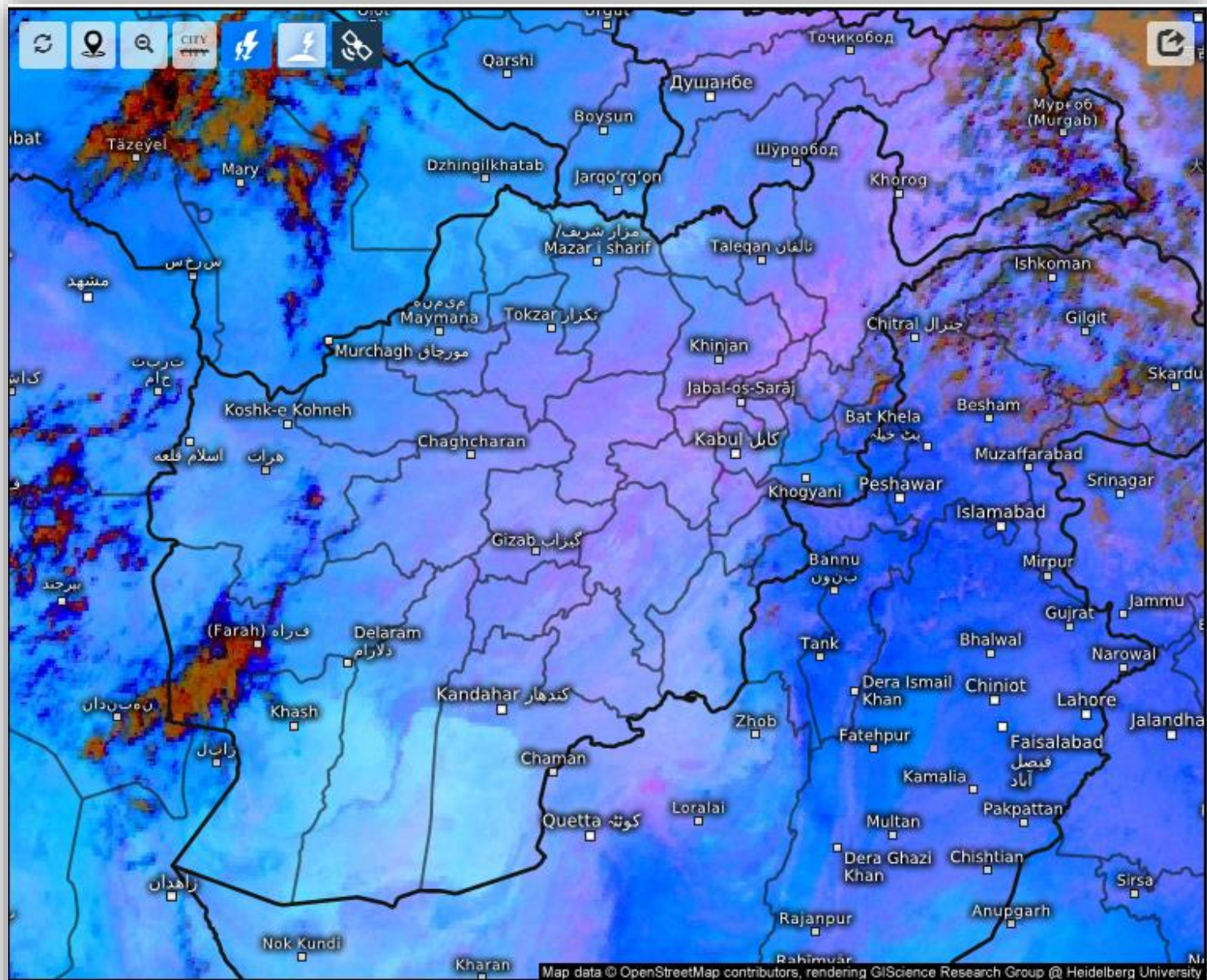
Low-level cloud



Cirrus

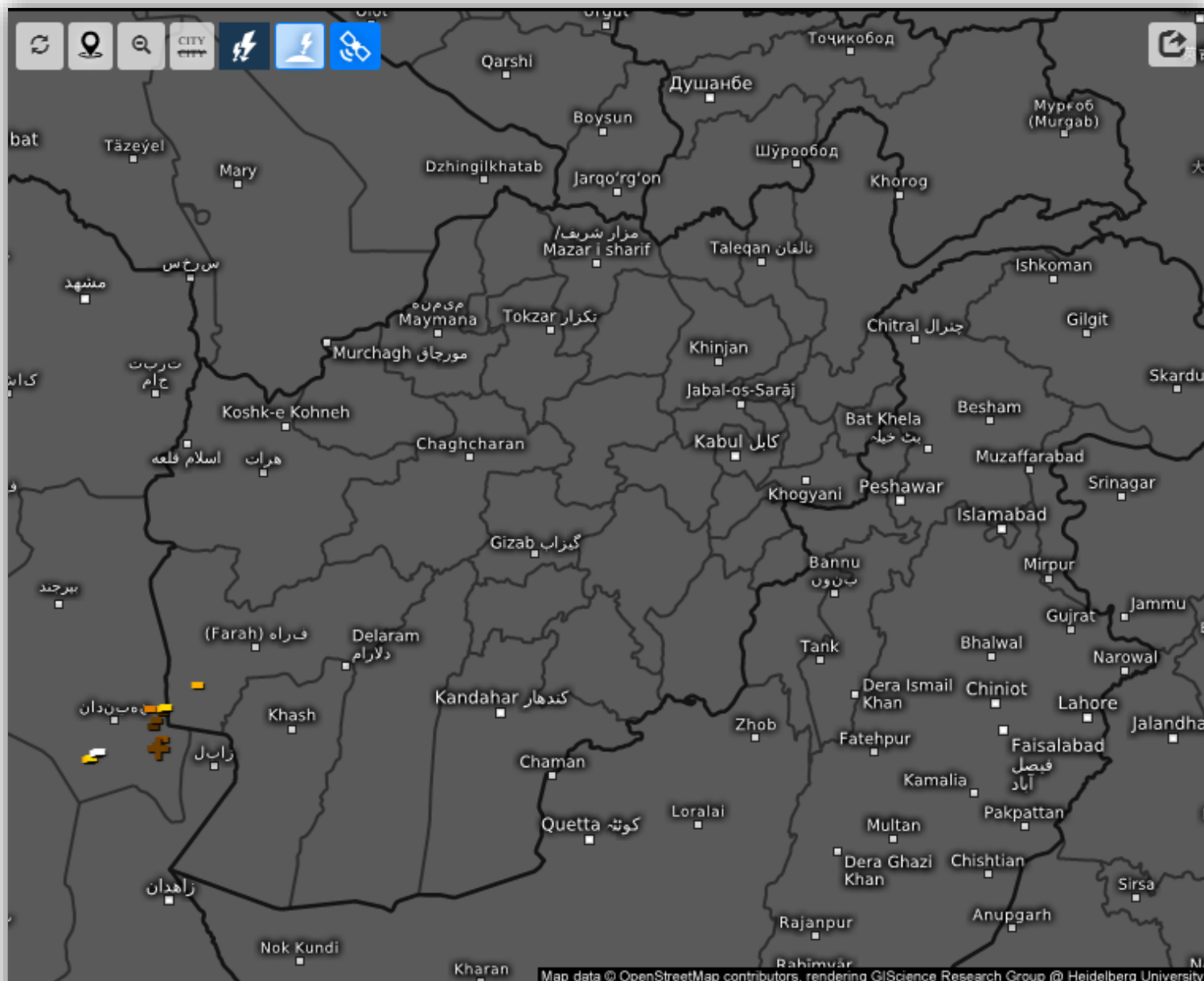
R = IR (12.0) - IR (10.6)  
G = IR (10.6) - IR (8.5)  
B = IR (10.6)

**FY-4B Dust RGB Composite (From WMO)**



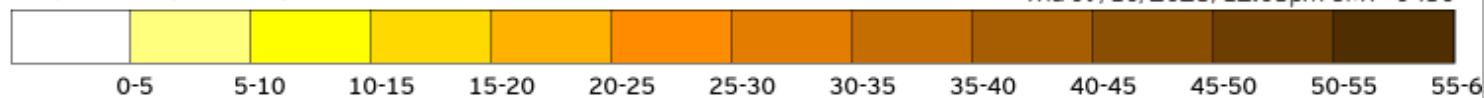
Satellite Dust 

Thu 09/10/2026, 11:45am GMT+0430



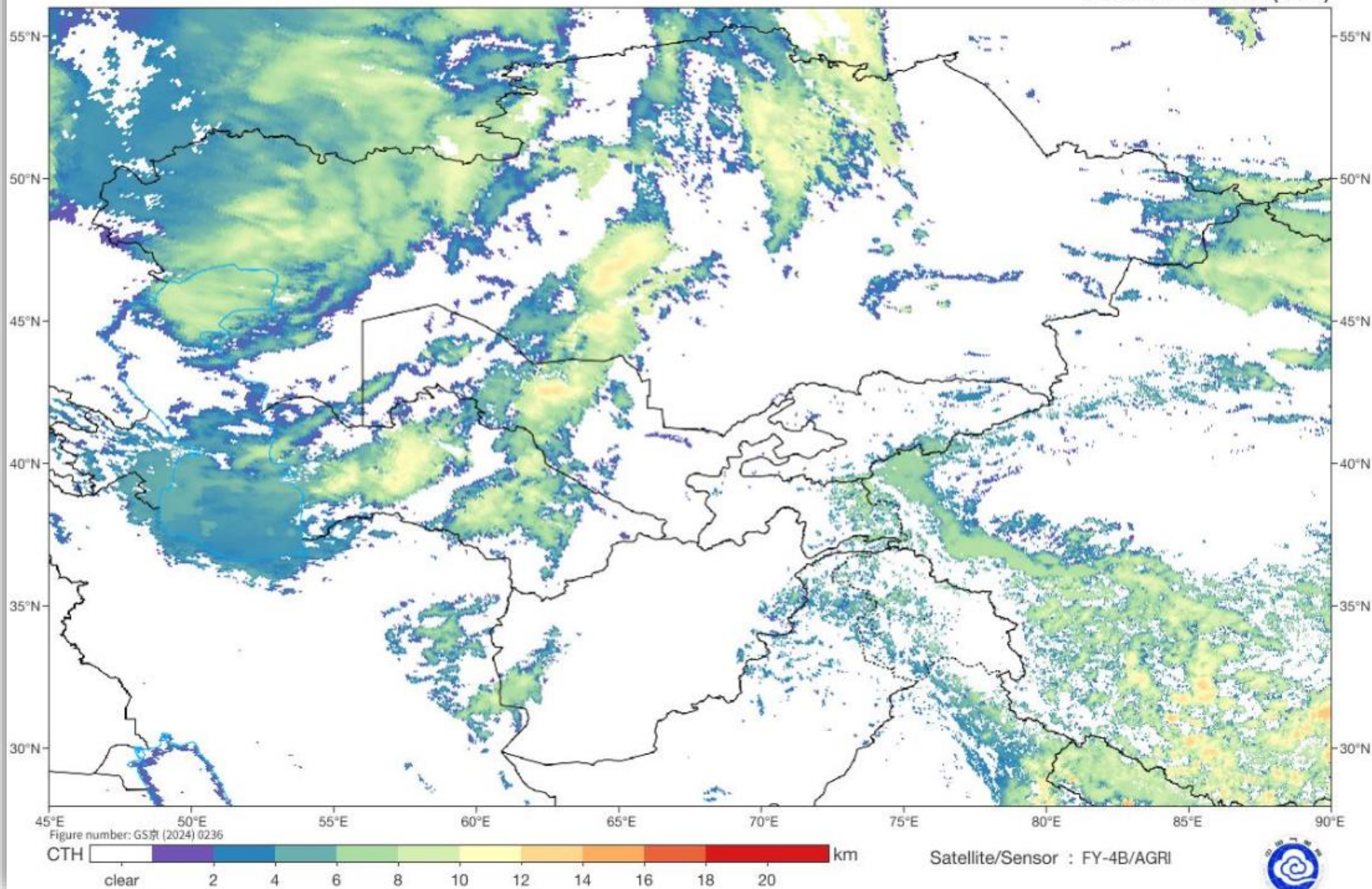
Age of lightning (minutes) 

Thu 09/10/2026, 12:05pm GMT+0430



# Cloud Top Height

2026-09-10 07:15(UTC)



## Live satellite map, Afghanistan



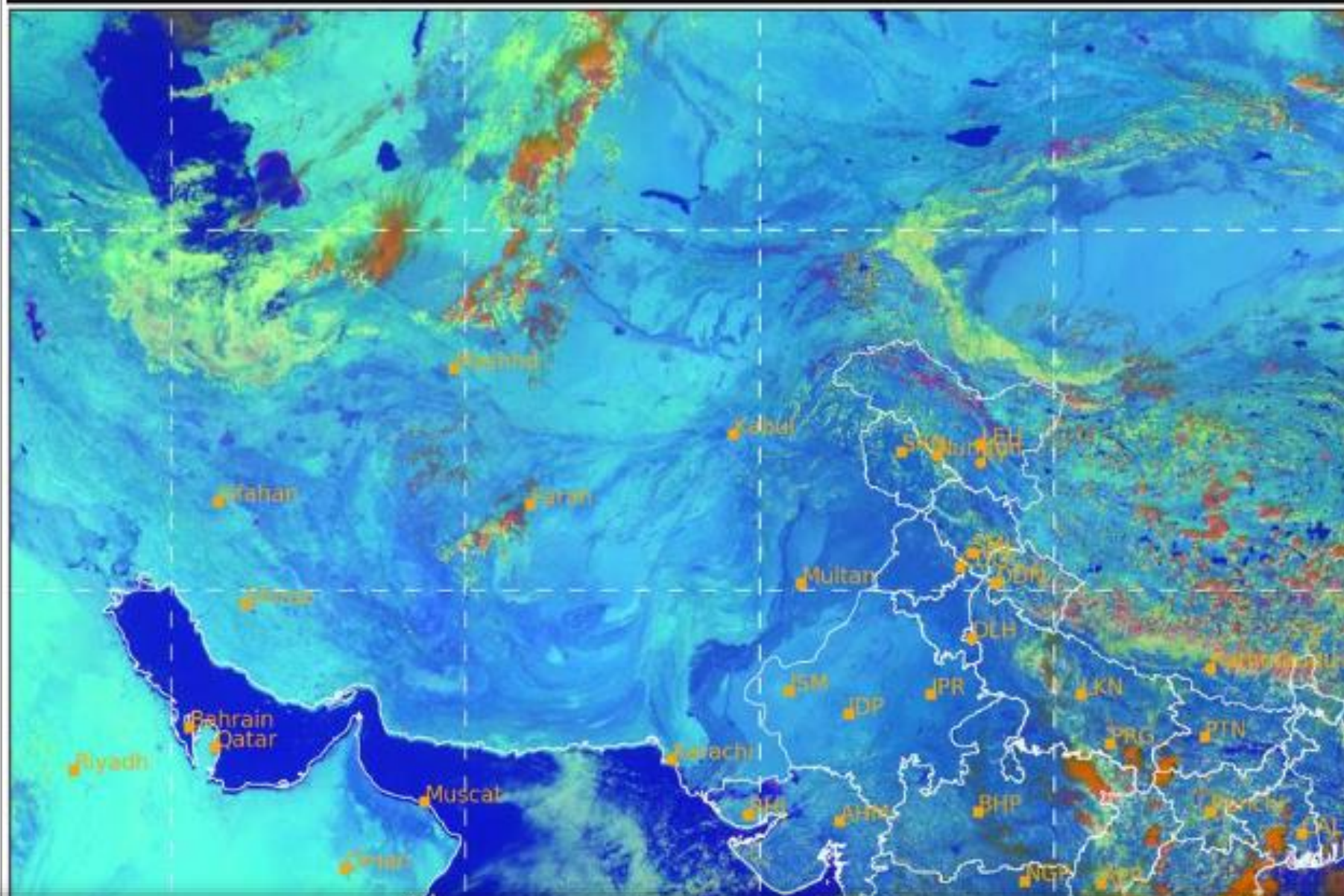
SAT : INSAT-3DR IMG

10-09-2026/(0615 to 0642) GMT

Day Microphysics: VIS\_REFL (R), SWIR\_REFL (G), TIR1\_BT (B)

L1C Mercator

10-09-2026/(1145 to 1212) IST



0

100% 0

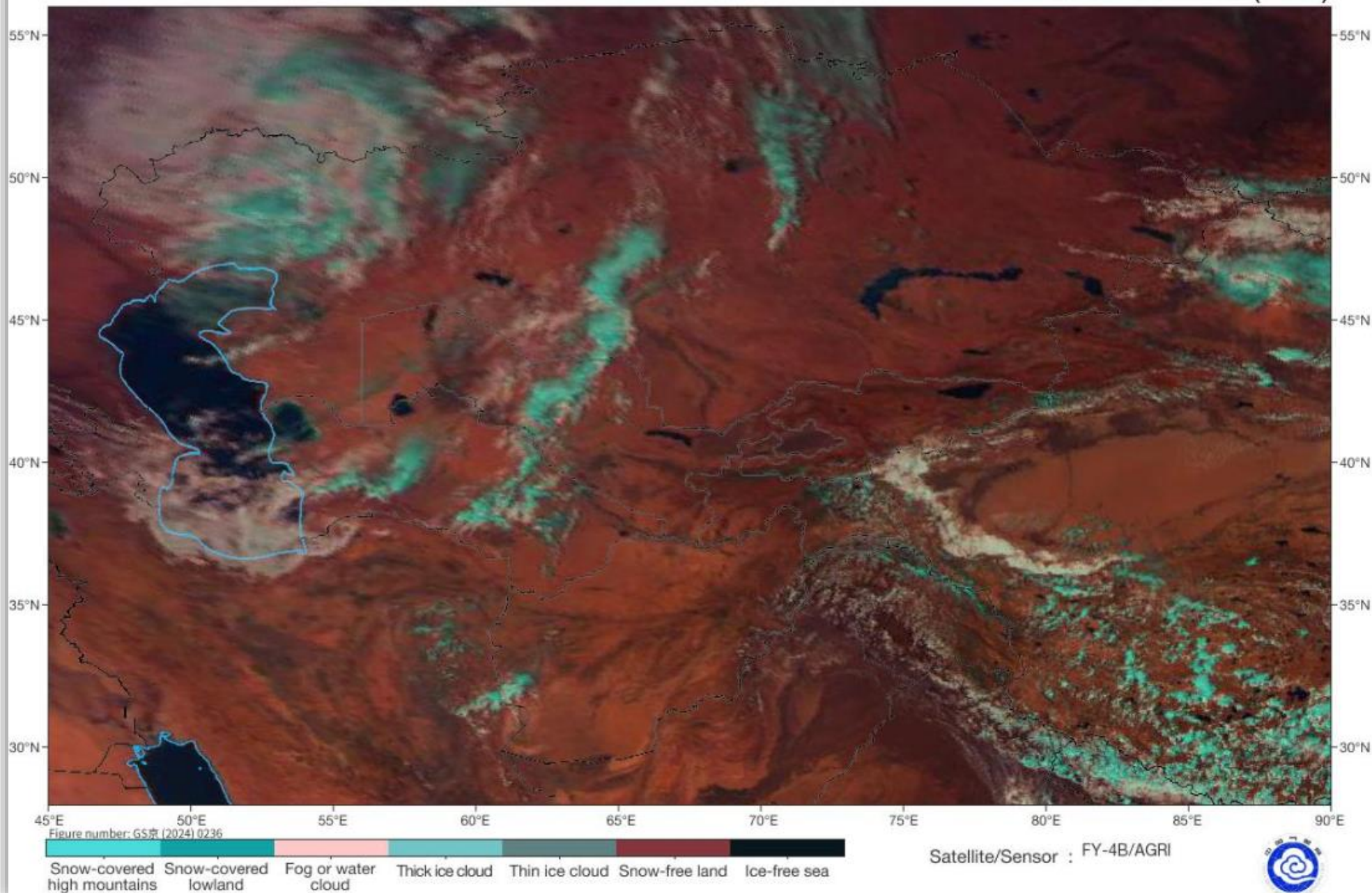
60% 203

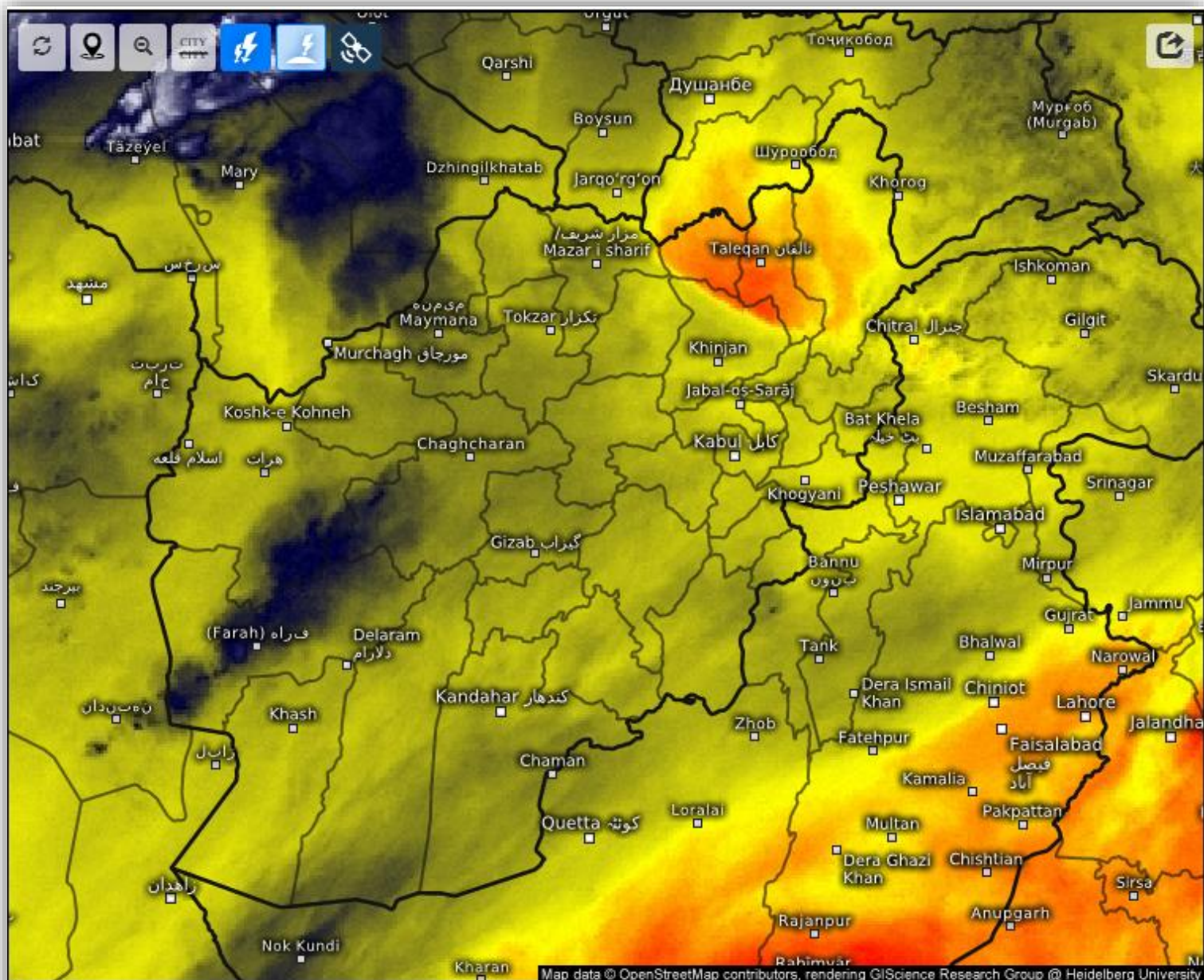
323K

Fog Low Clouds Mid Orographic Cloud CB Snow Dust

# Fog Identification

2026-09-10 07:15(UTC)





## Satellite Water Vapor

Thu 09/10/2026, 11:45am GMT+0430



wet/cold

dry/warm

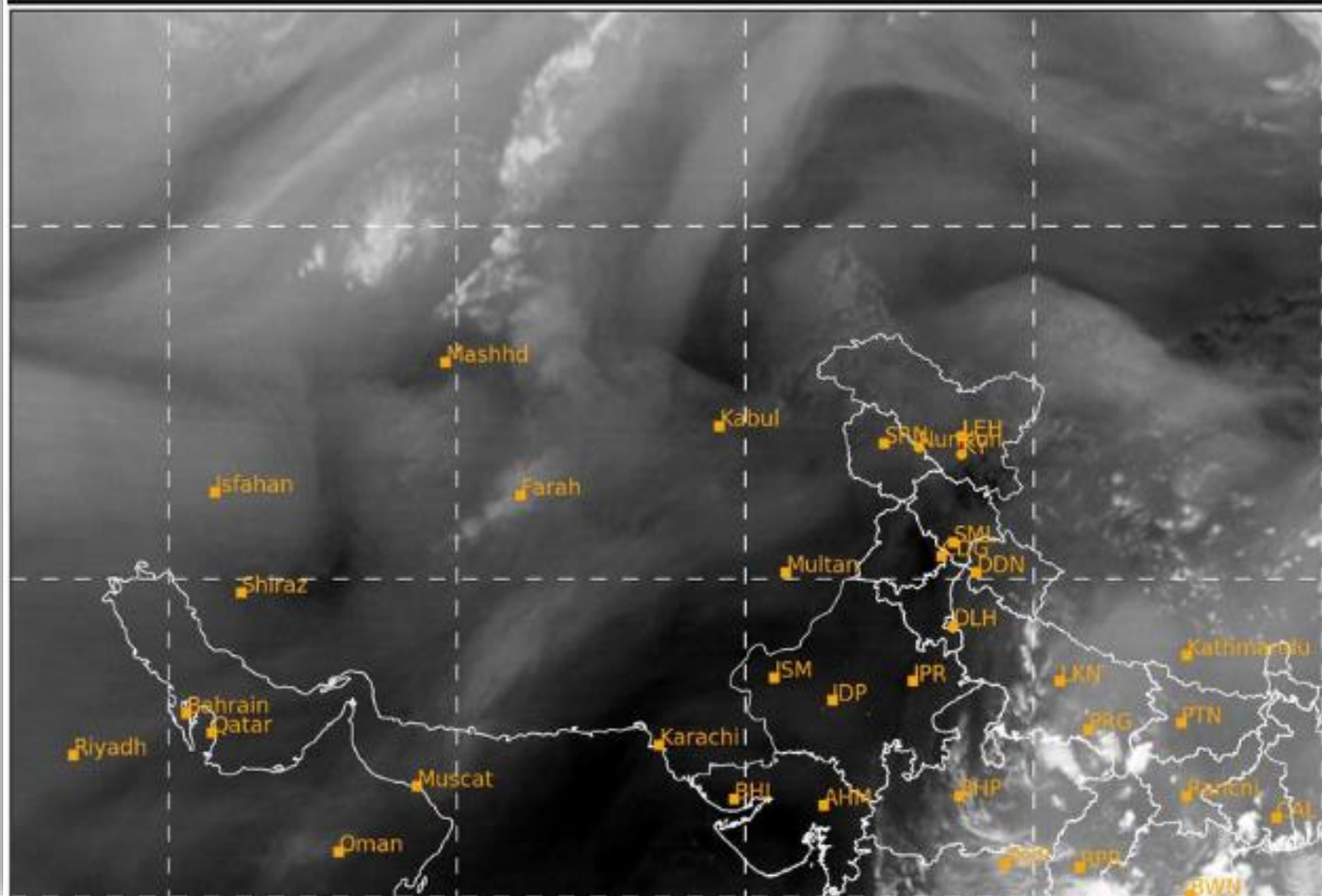
SAT : INSAT-3DR IMG

IMG\_WV 6.8 um

L1C Mercator

10-09-2026/(0615 to 0642) GMT

10-09-2026/(1145 to 1212) IST



SAT : INSAT-3DR IMG



IMG\_TIR1 10.8 um

### L1C Mercator

10-09-2026/(0615 to 0642) GMT

10-09-2026/(1145 to 1212) IST

