



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



**Daily reports of Satellite imagery analysis. Date & Time: 05-09-2026, 09:00 UTC**

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

**Details:** according to satellite imagery analysis, the southern, western, northwestern and southwestern regions have weak warm air mass. The southern, western, southeastern, northwestern and southwestern regions have dust storm. The eastern and southeastern regions have thunder storm. The eastern, central, northeastern and southeastern regions have cloudy sky. The all-regions have dry water vapor with the exception of eastern, central, northeastern, southeastern regions have moderate water vapor. The northern, southern, western, 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: 2026-09-05 00:00

AirMass



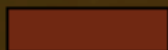
Thick,  
high-level cloud



Thick,  
mid-level cloud



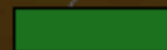
Thick,  
low-level cloud



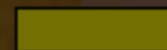
Jet



Cold Airmass



Warm Airmass  
(high UTH)



Warm Airmass  
(low UTH)

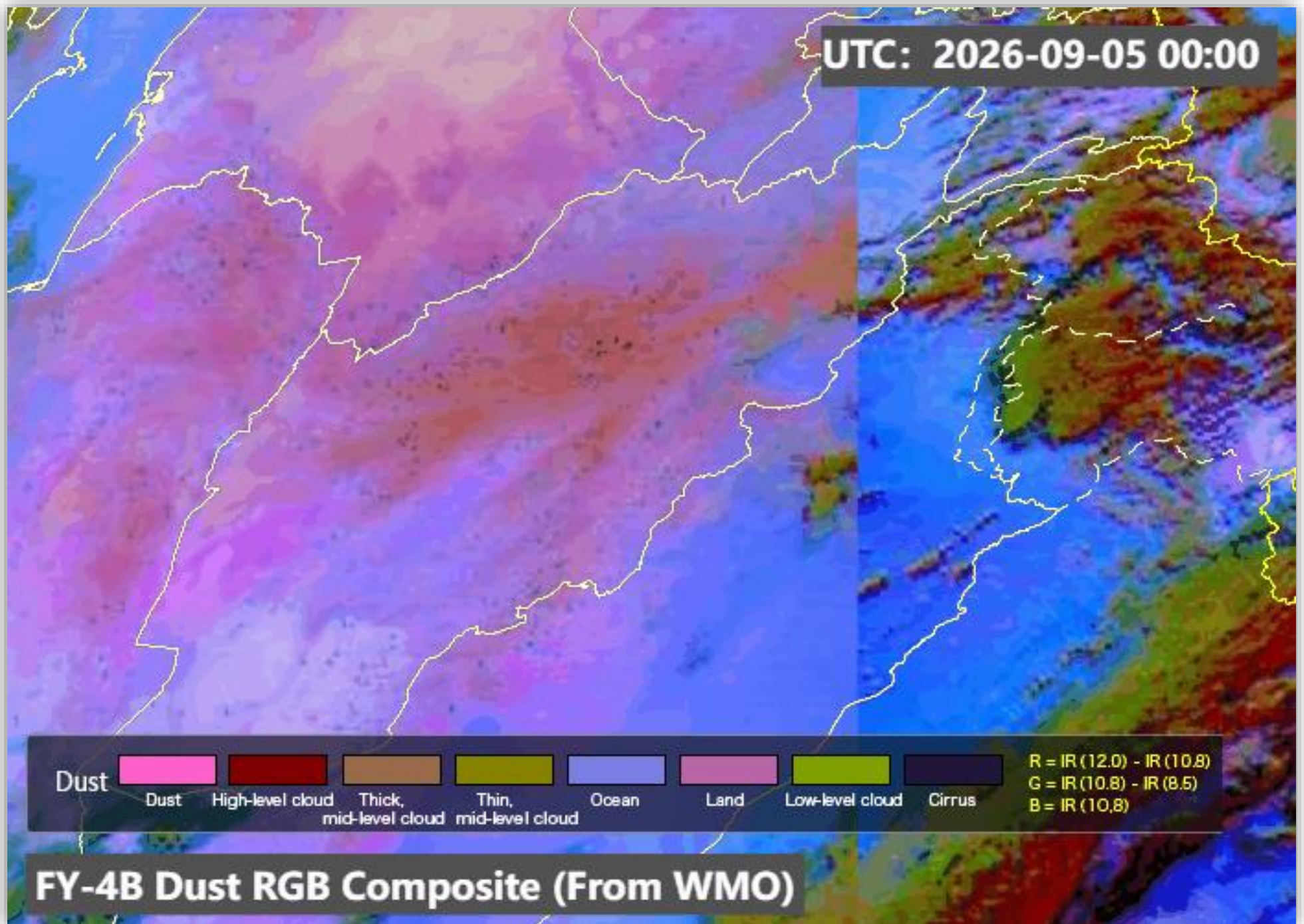
R = WV (6.25) - WV (7.1)

G = IR (8.5) - IR (10.8)

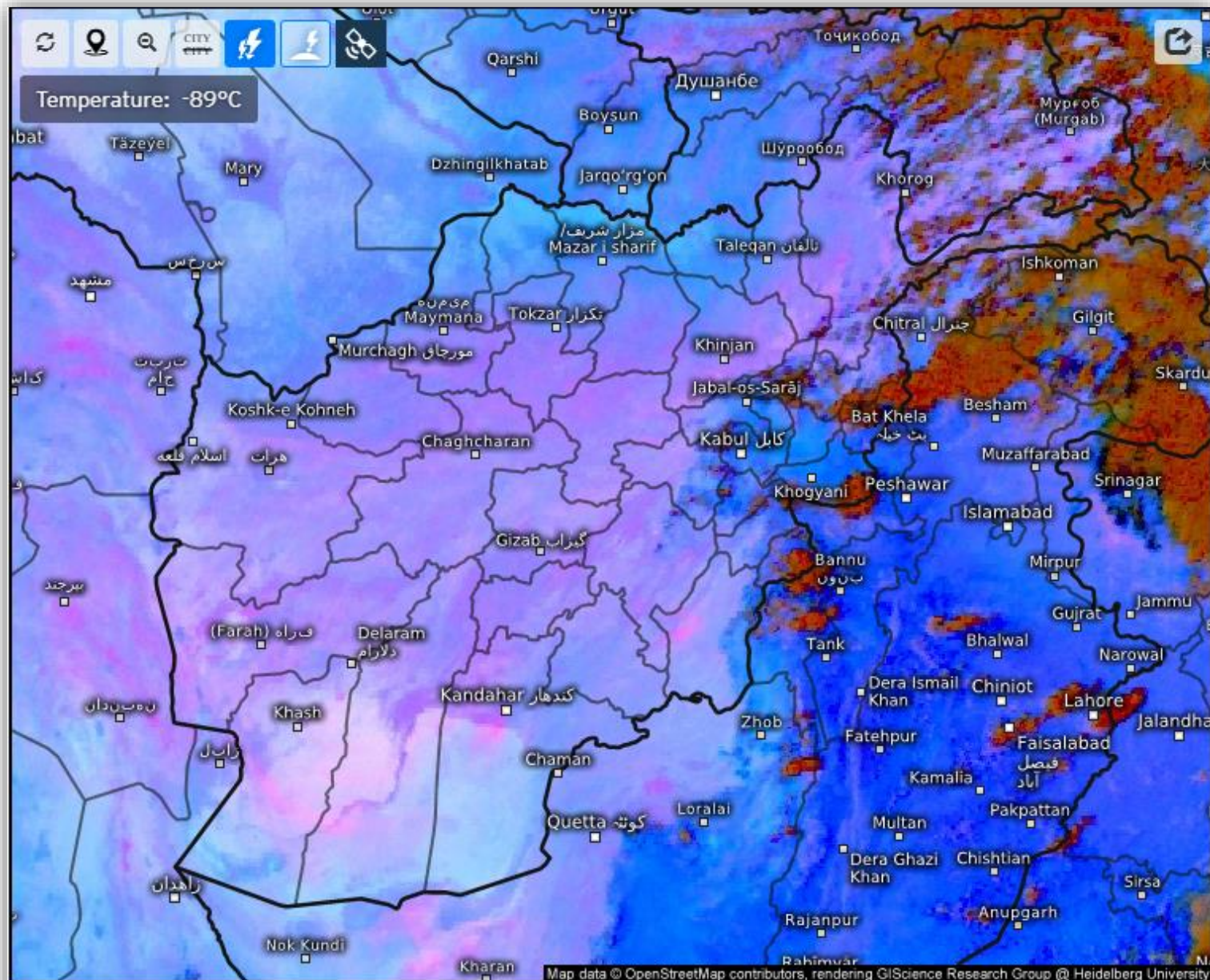
B = WV (6.25)

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

UTC: 2026-09-05 00:00

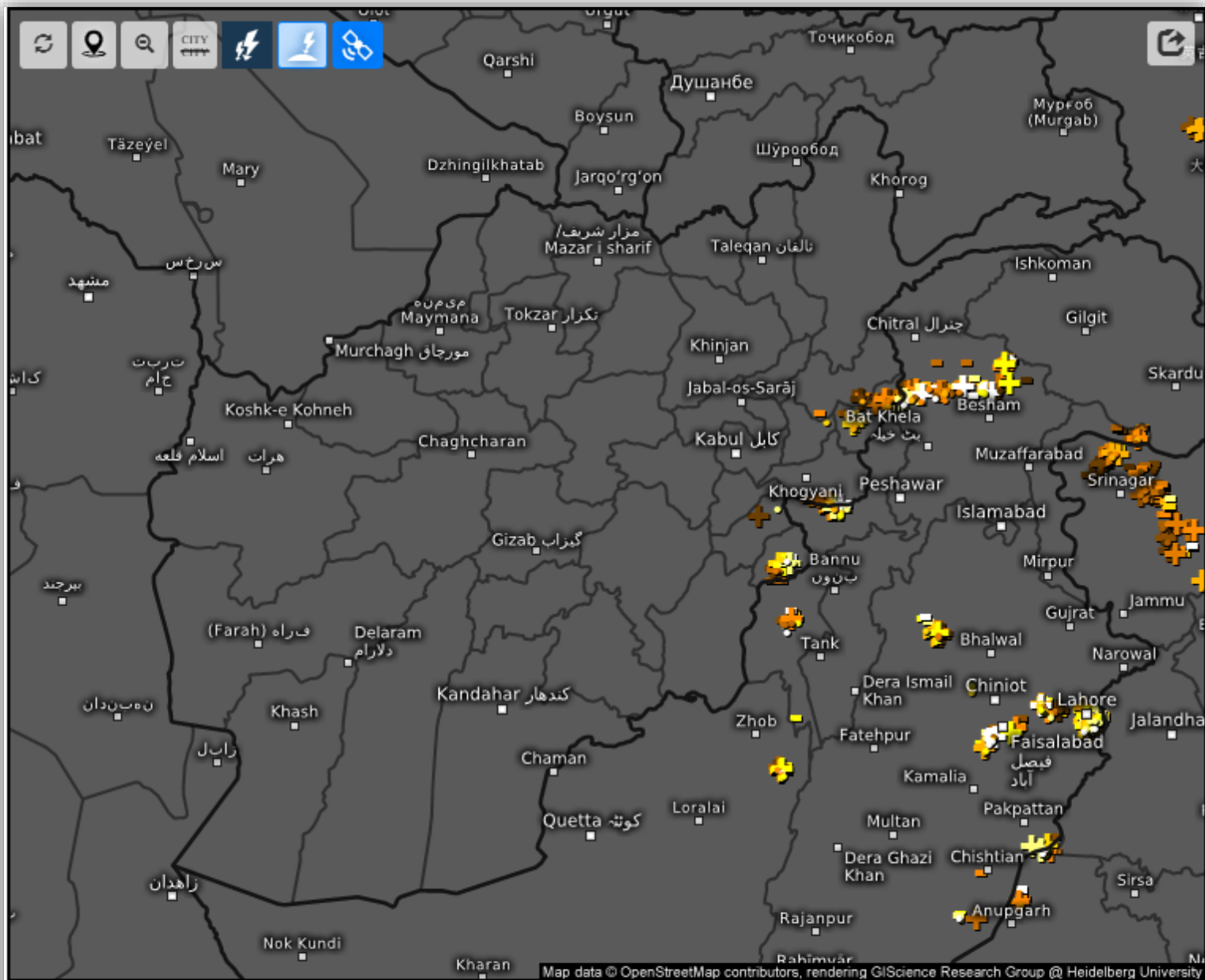


**FY-4B Dust RGB Composite (From WMO)**



Satellite Dust 

Sat 09/05/2026, 01:30pm GMT+0430



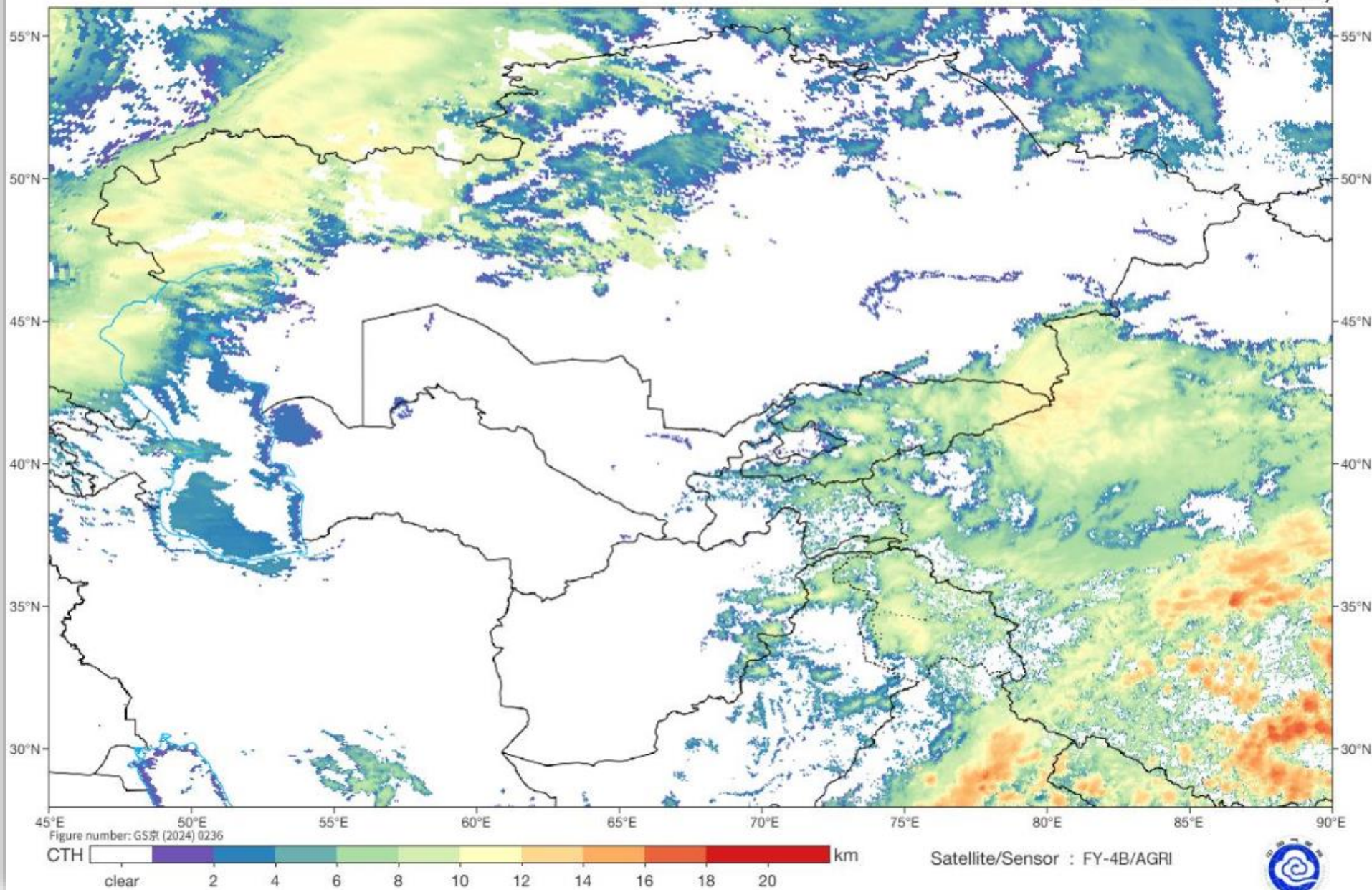
Age of lightning (minutes) 

Sat 09/05/2026, 01:50pm GMT+0430



# Cloud Top Height

2026-09-05 08:15(UTC)



## Live satellite map, Afghanistan



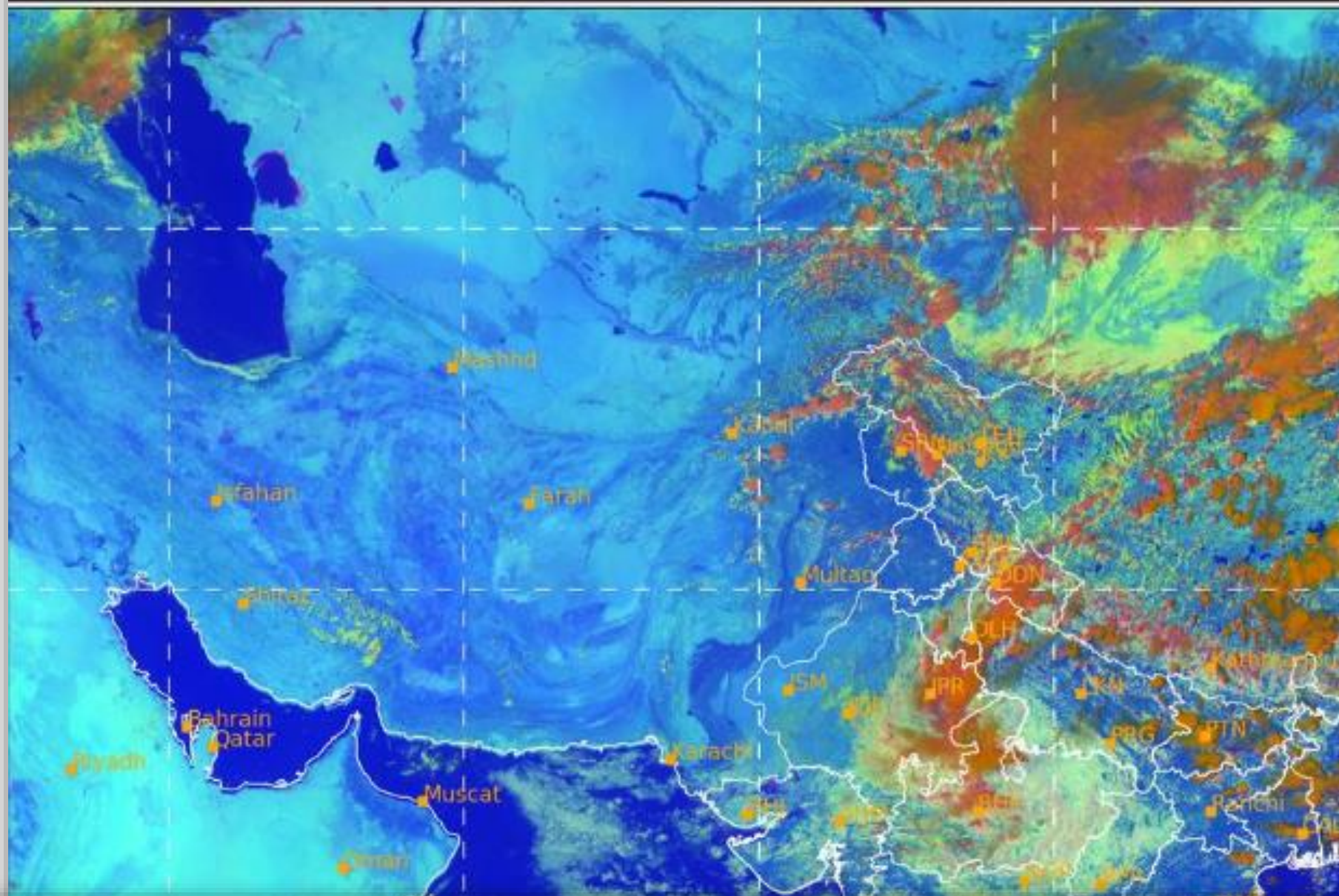
SAT : INSAT-3DR IMG

05-09-2026/(0815 to 0842) GMT

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

L1C Mercator

05-09-2026/(1345 to 1412) IST



0

100% 0

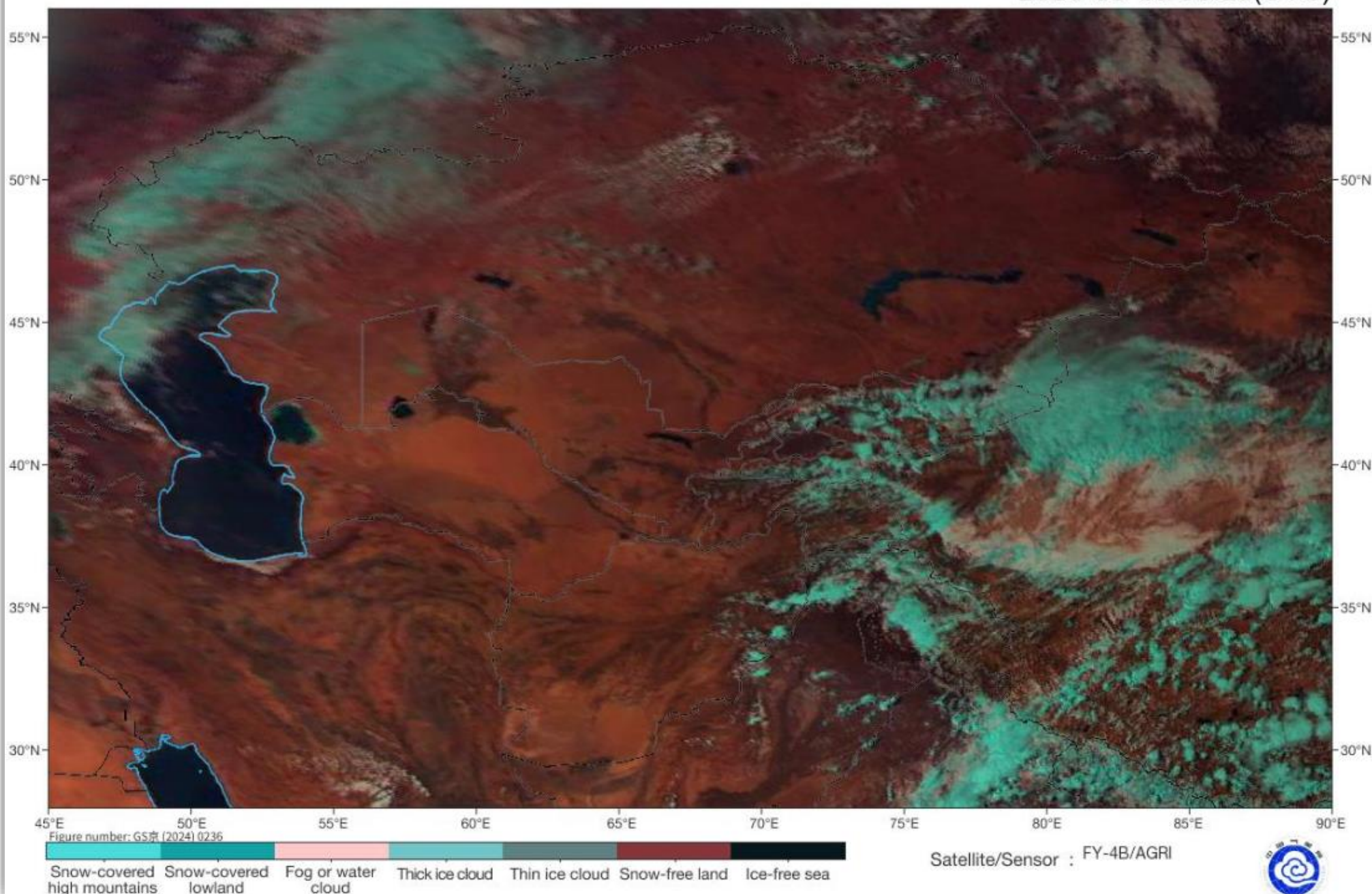
60% 203

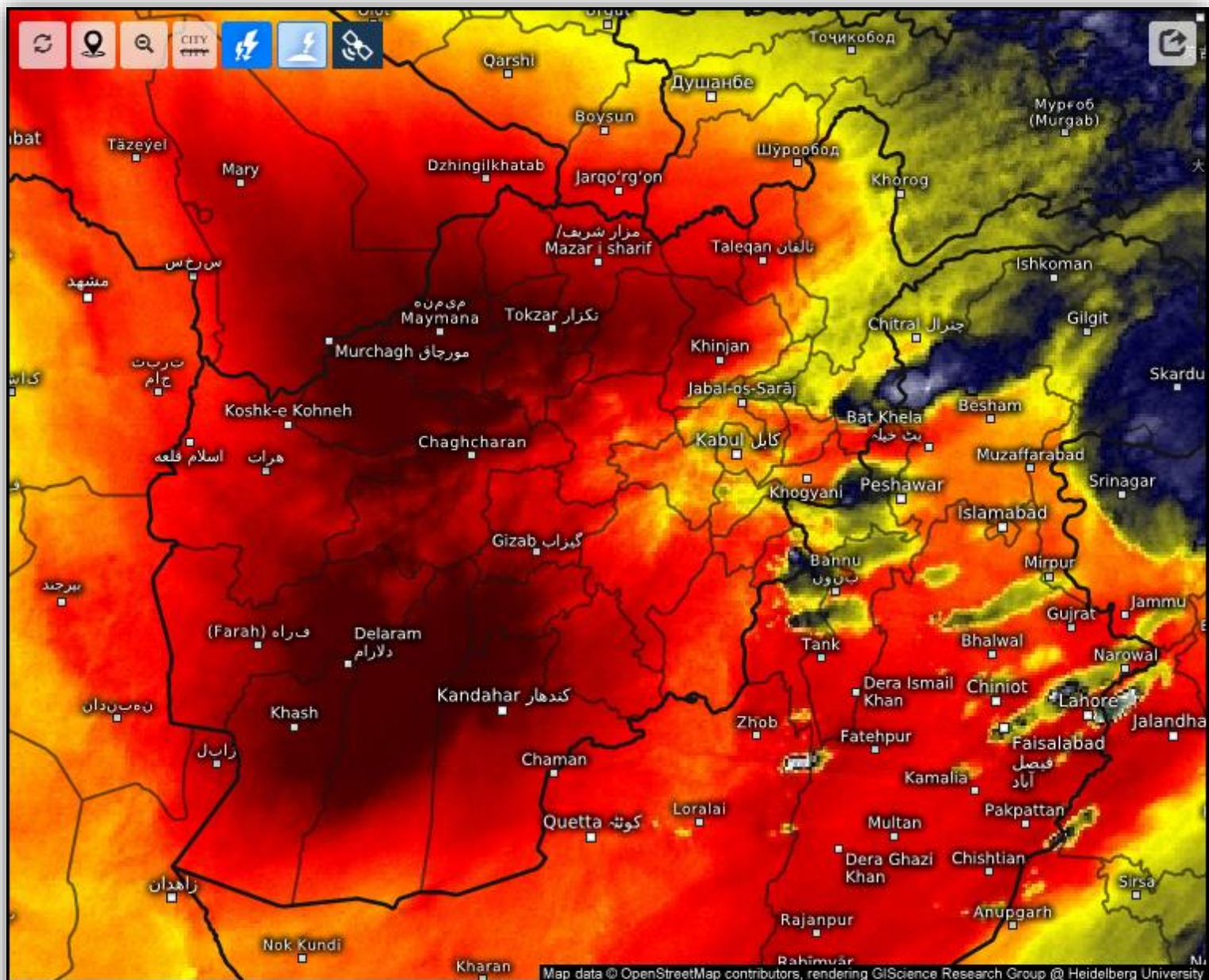
323K

Fog Low Clouds Mid Orographic Cloud CB Snow Dust

# Fog Identification

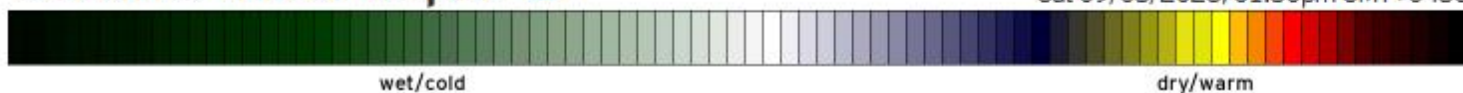
2026-09-05 09:00(UTC)





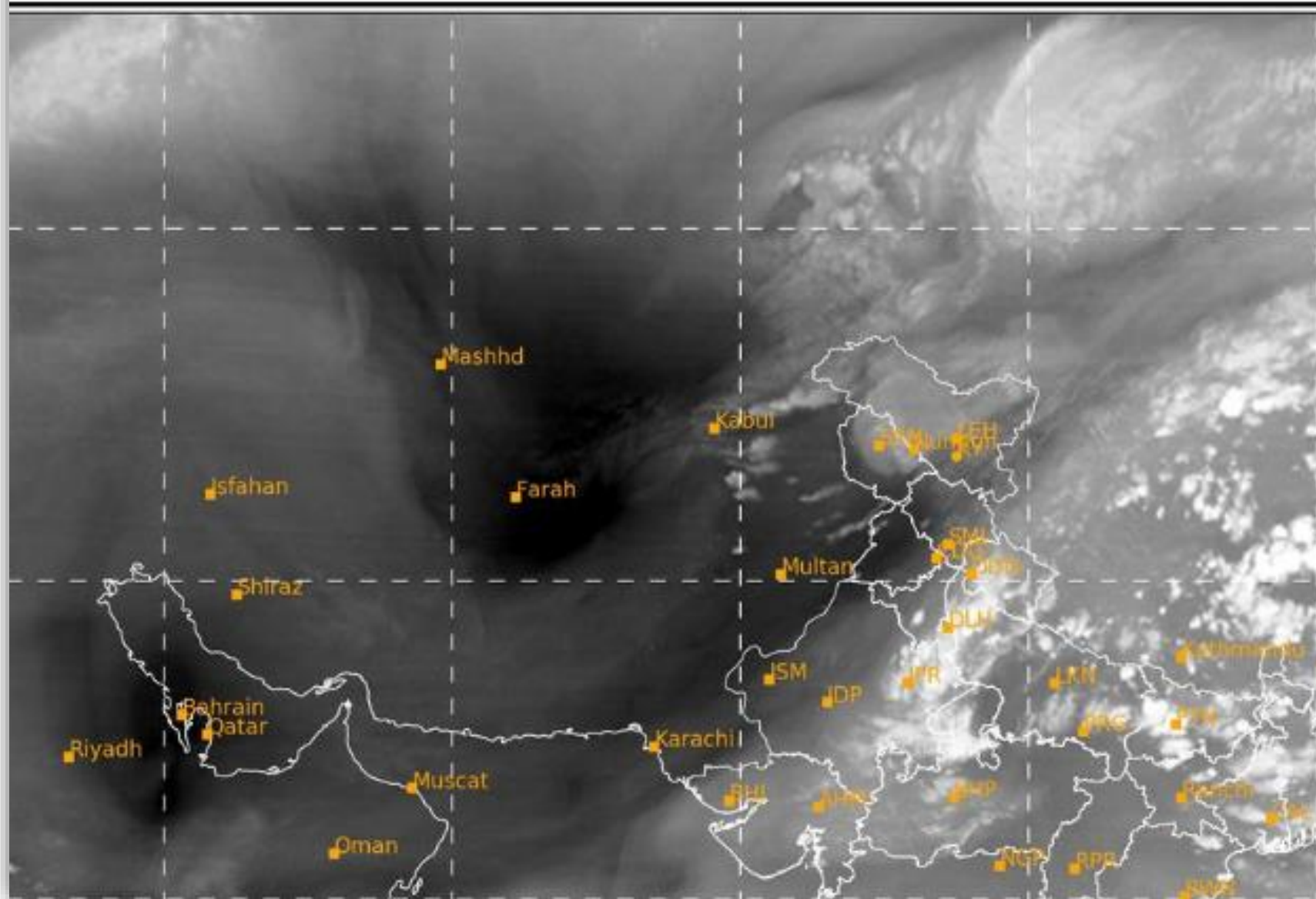
## Satellite Water Vapor

Sat 09/05/2026, 01:30pm GMT+0430



SAT : INSAT-3DR IMG  
IMG\_WV 6.8 um  
L1C Mercator

05-09-2026/(0815 to 0842) GMT  
05-09-2026/(1345 to 1412) IST



SAT : INSAT-3DR IMG



IMG\_TIR1 10.8 um

## L1C Mercator

05-09-2026/(0815 to 0842) GMT

05-09-2026/(1345 to 1412) IST

