



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



**Daily reports of Satellite imagery analysis. Date & Time: 02-09-2026, 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                     | ✓         |          |
| 2  | South     | ✓        | ✓          | X             | X     | X   | ✓           | X                     | ✓         |          |
| 3  | West      | ✓        | ✓          | X             | X     | X   | ✓           | X                     | X         |          |
| 4  | East      | ✓        | X          | X             | ✓     | X   | ✓           | X                     | X         |          |
| 5  | central   | ✓        | X          | X             | X     | X   | ✓           | X                     | X         |          |
| 6  | Northeast | ✓        | X          | X             | ✓     | X   | ✓           | X                     | X         |          |
| 7  | Southeast | ✓        | X          | X             | ✓     | X   | ✓           | X                     | X         |          |
| 8  | Northwest | ✓        | ✓          | X             | X     | X   | ✓           | X                     | X         |          |
| 9  | Southwest | ✓        | ✓          | X             | X     | X   | ✓           | X                     | ✓         |          |

**Details:** according to satellite imagery analysis, the northern, southern, western, eastern, central, northeastern, southeastern, northwestern and southwestern regions have weak warm air mass. The southern, western, northwestern and southwestern regions have weak dust. The eastern, northeastern and southeastern regions have cloudy sky. The all-regions have dry water vapor with the exception of eastern, northeastern, southeastern regions have weak water vapor. The northern, southern 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: 2026-09-02 00:15

AirMass



Thick,

high-level cloud



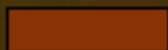
Thick,

mid-level cloud



Thick,

low-level cloud



Jet



Cold Airmass



Warm Airmass  
(high UTH)



Warm Airmass

(low UTH)

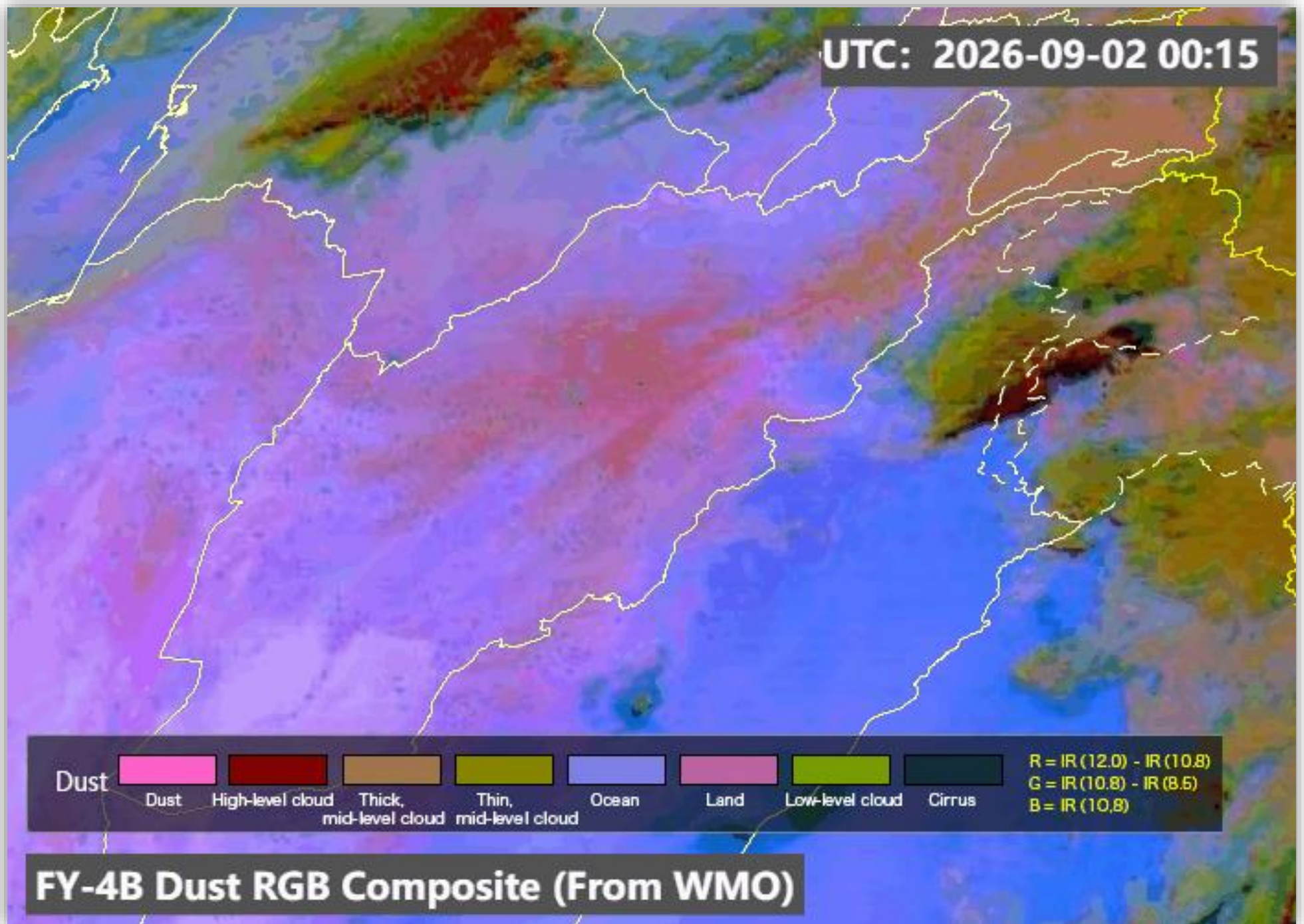
R = WV (6.25) - WV (7.1)

G = IR (8.5) - IR (10.8)

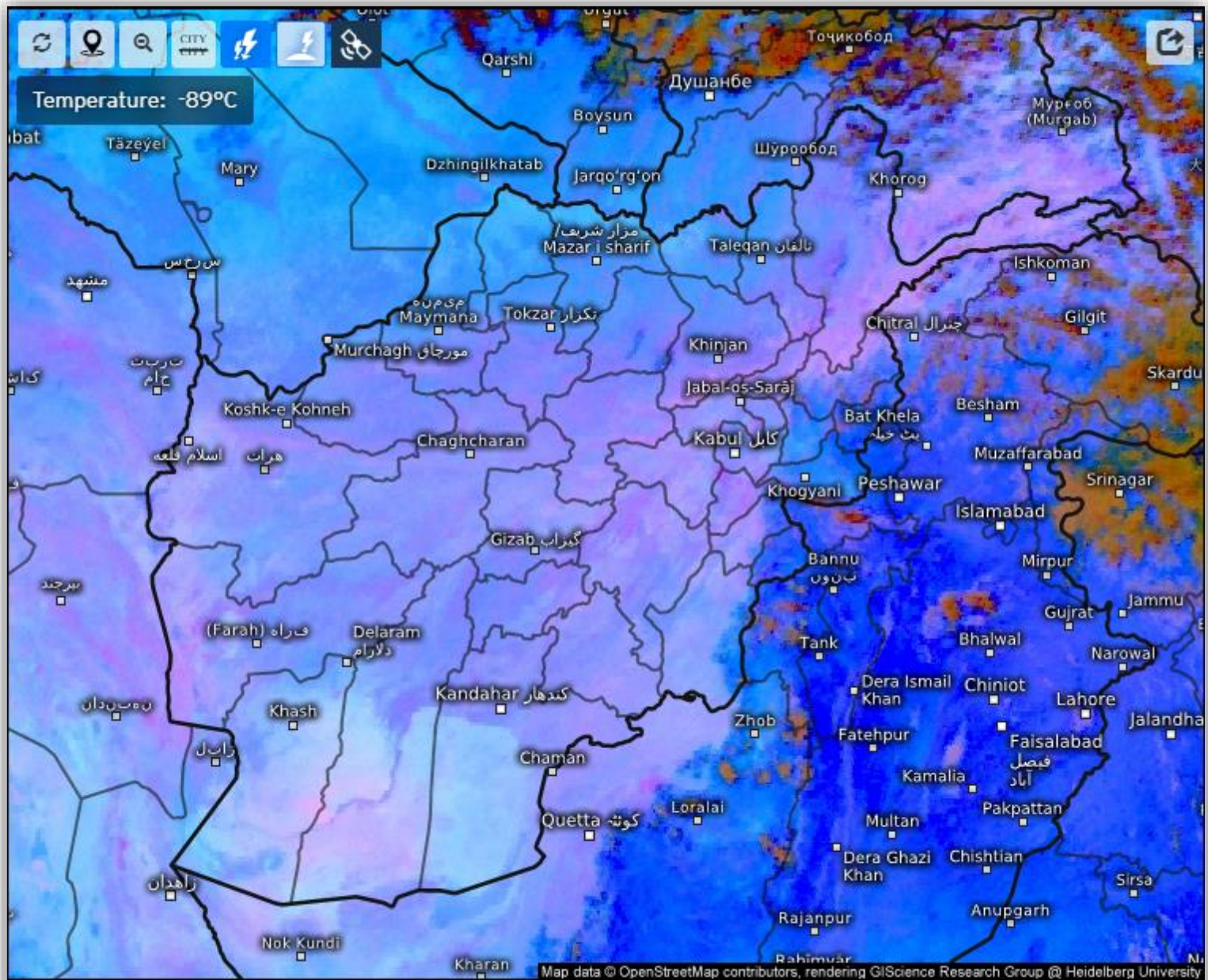
B = WV (6.25)

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

UTC: 2026-09-02 00:15

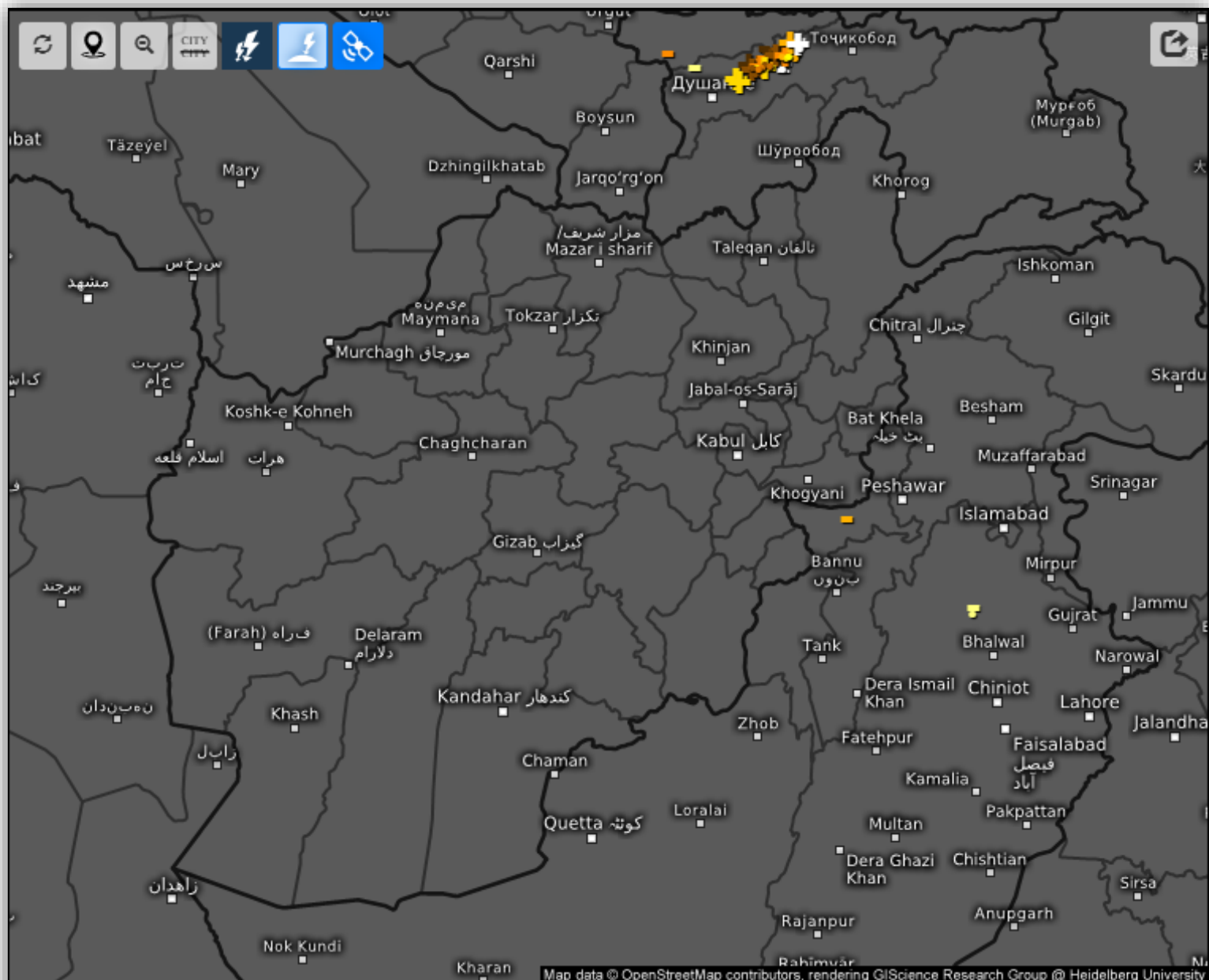


**FY-4B Dust RGB Composite (From WMO)**



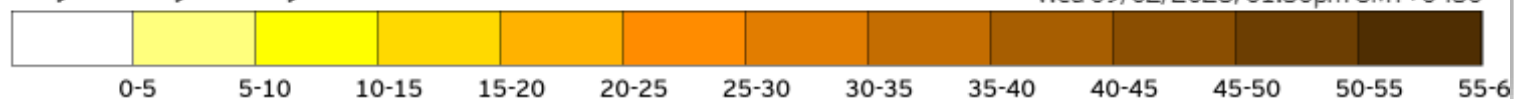
Satellite Dust 

Wed 09/02/2026, 01:30pm GMT+0430



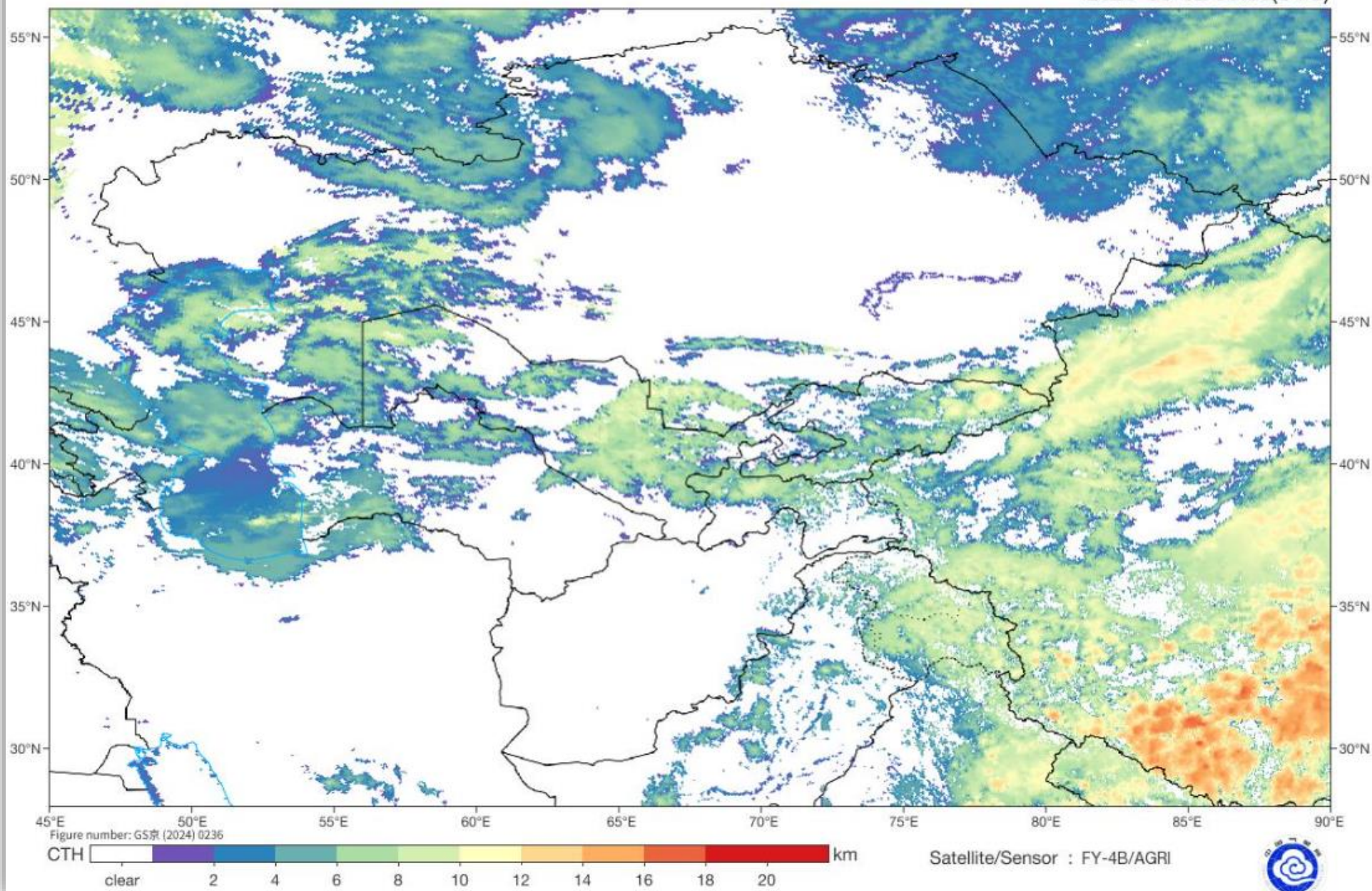
Age of lightning (minutes) 

Wed 09/02/2026, 01:30pm GMT+0430

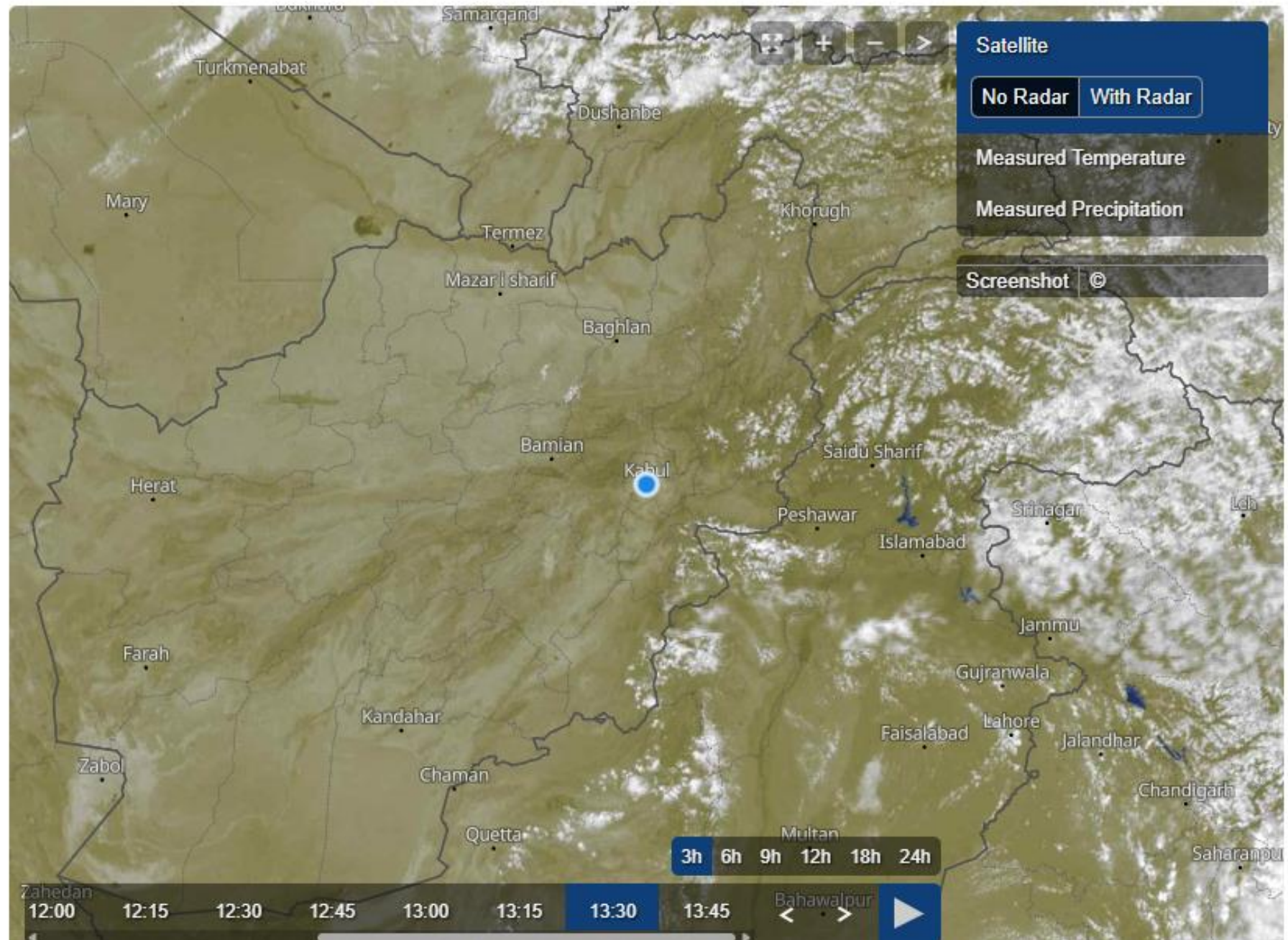


# Cloud Top Height

2026-09-02 09:00(UTC)



## Live satellite map, Afghanistan



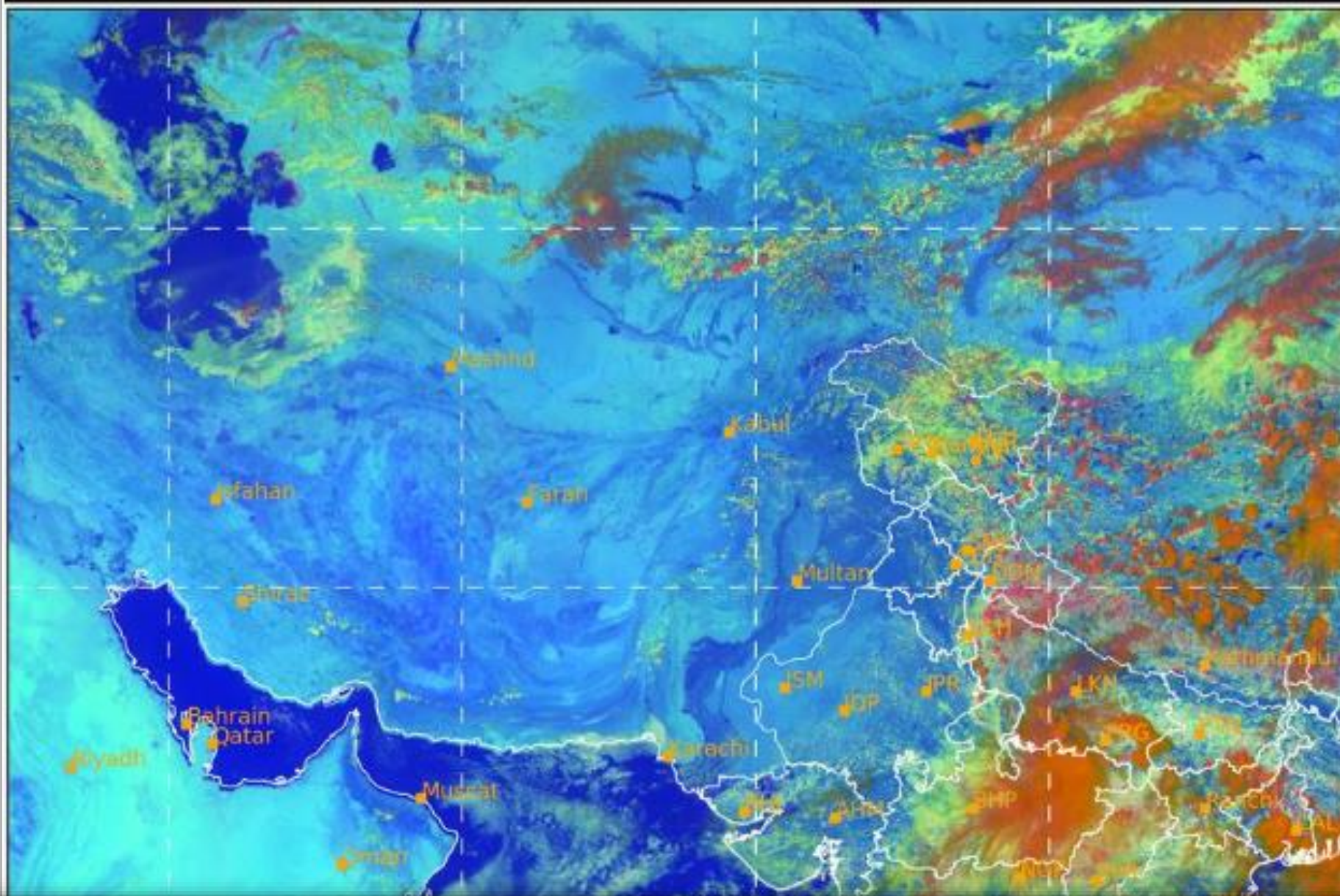
SAT : INSAT-3DR IMG

02-09-2026/(0745 to 0812) GMT

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

L1C Mercator

02-09-2026/(1315 to 1342) IST



0

100% 0

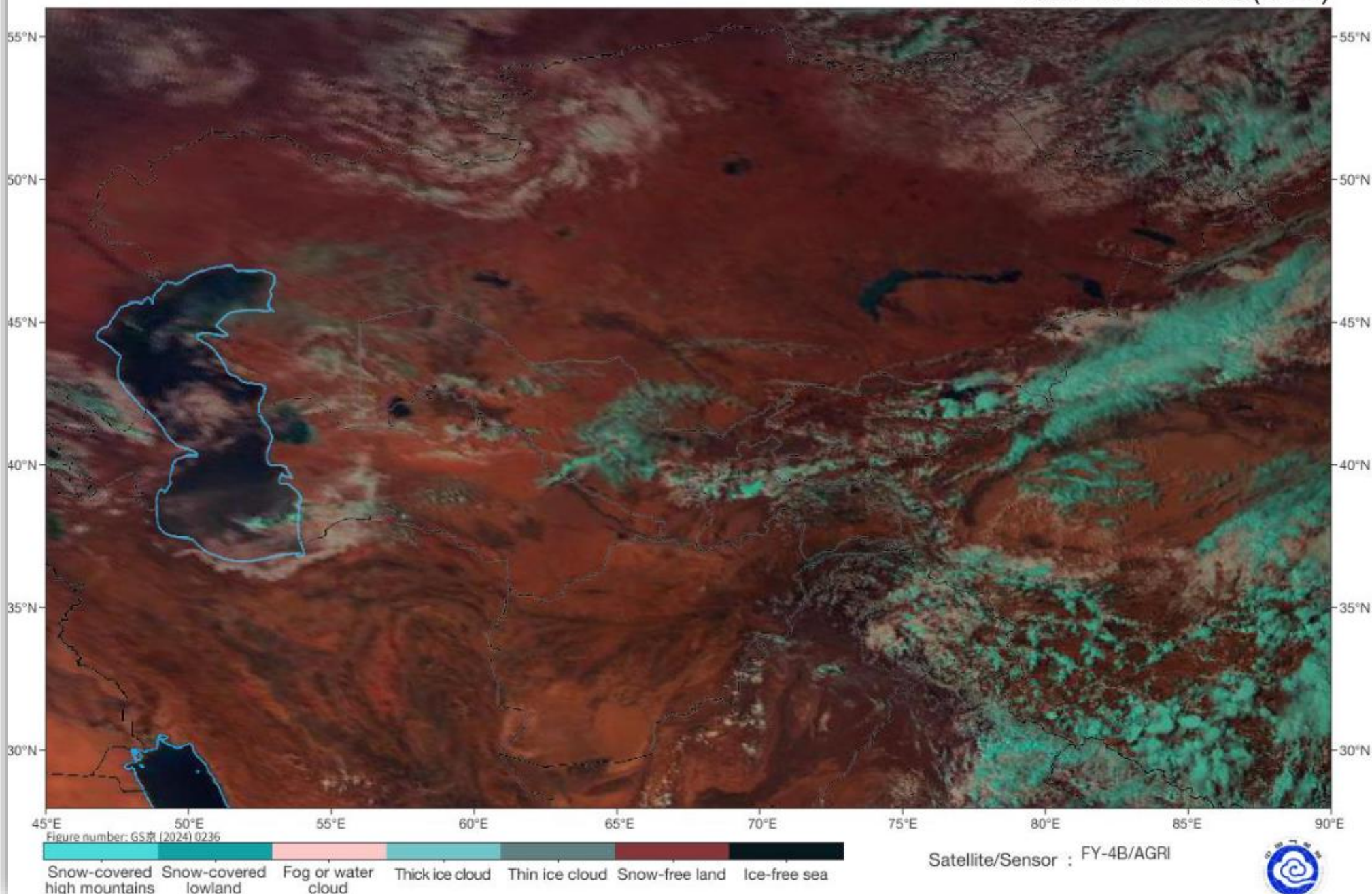
60% 203

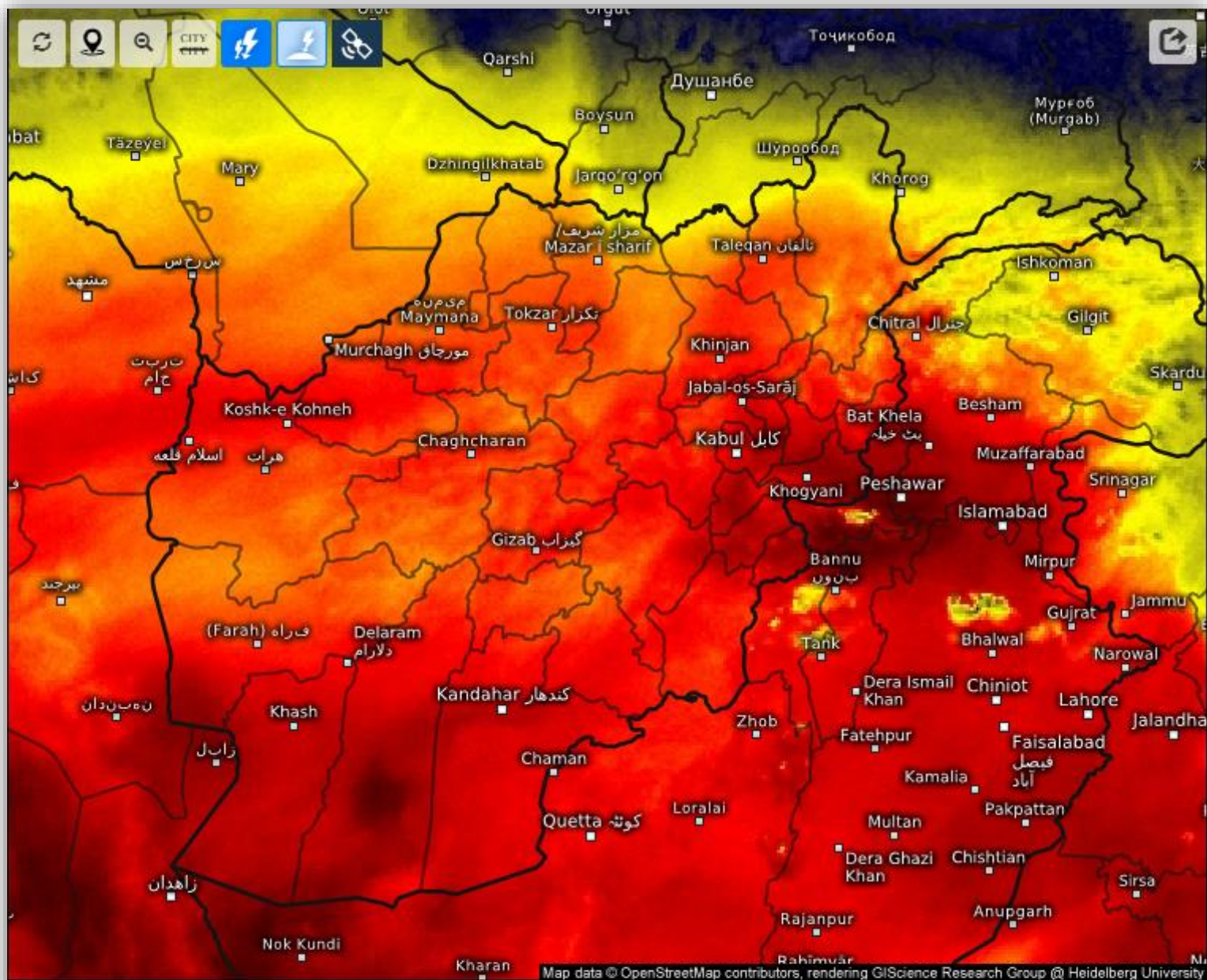
323K

Fog Low Clouds Mid Orographic Cloud CB Snow Dust

# Fog Identification

2026-09-02 09:00(UTC)





## Satellite Water Vapor

Wed 09/02/2026, 01:30pm GMT+0430



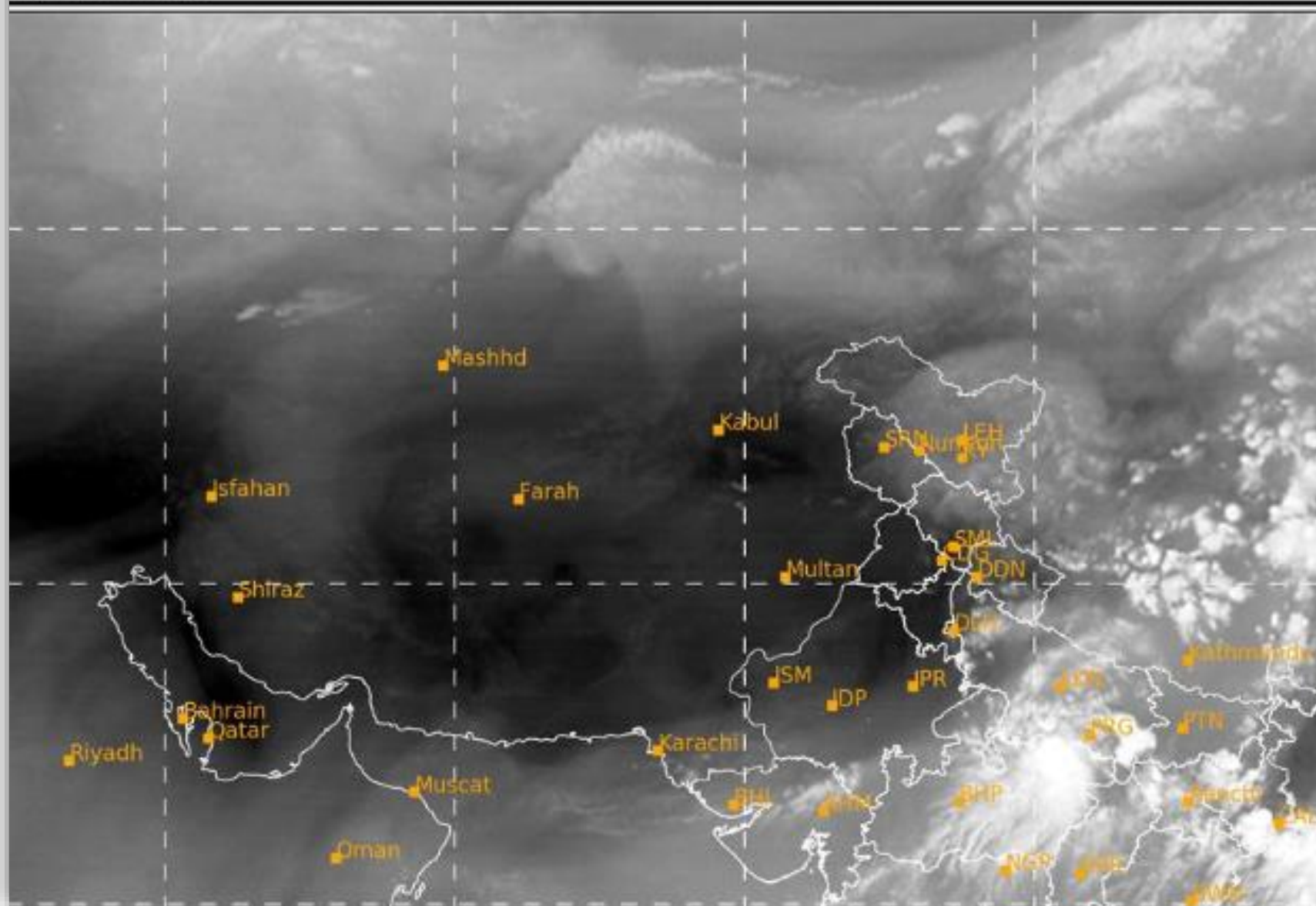
SAT : INSAT-3DR IMG

IMG\_WV 6.8 um

L1C Mercator

02-09-2026/(0745 to 0812) GMT

02-09-2026/(1315 to 1342) IST



L1C Mercator

02-09-2026/(1315 to 1342) IST

