



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



Daily reports of Satellite imagery analysis. Date & Time: 29/05/2025, 15:00 UTC, Number of reports: 1010

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

**Details:** According to satellite imagery analysis, the southern, western, eastern, central, northeastern, southwestern and southeastern areas have worm air mass (High UTH). The southern, western, southeastern, northwestern and southwestern areas have dust. The eastern areas have thunderstorm. The northern, eastern, central, northeastern, southeastern, areas have cloudy sky. The northern, eastern and northeastern areas have moderate water vapor the western, central and northwestern areas have weak water vapor also the southern, southeastern and southwestern areas are dry.

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-05-29 05:30

AirMass

Thick,  
high-level cloud

Thick,  
mid-level cloud

Thick,  
low-level cloud

Jet

Cold Airmass

Warm Airmass  
(high UTH)

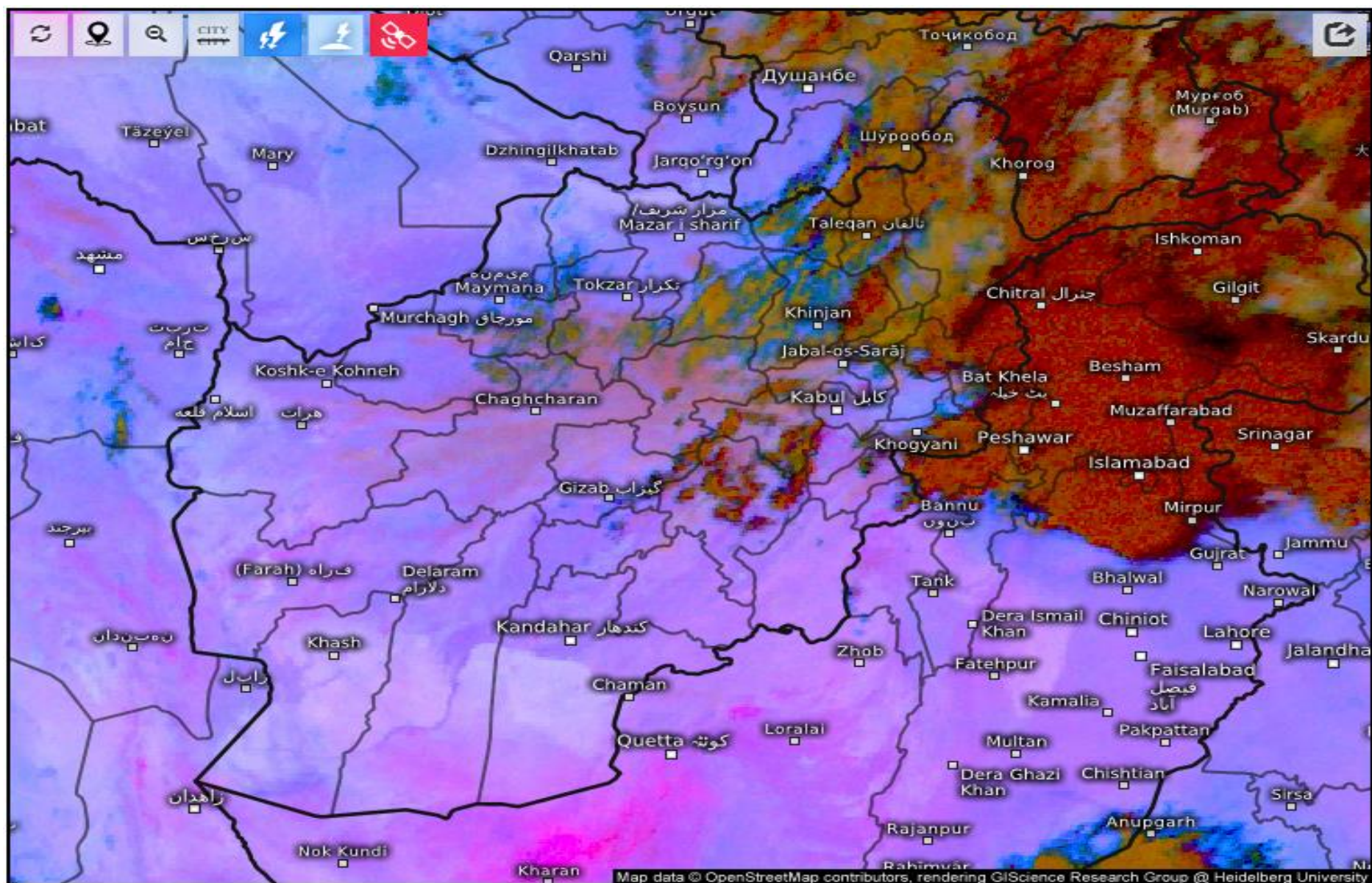
Warm Airmass  
(low UTH)

R =  
G =  
B =

FY-4B AirMass RGB Composite (From WMO)



NCSSW

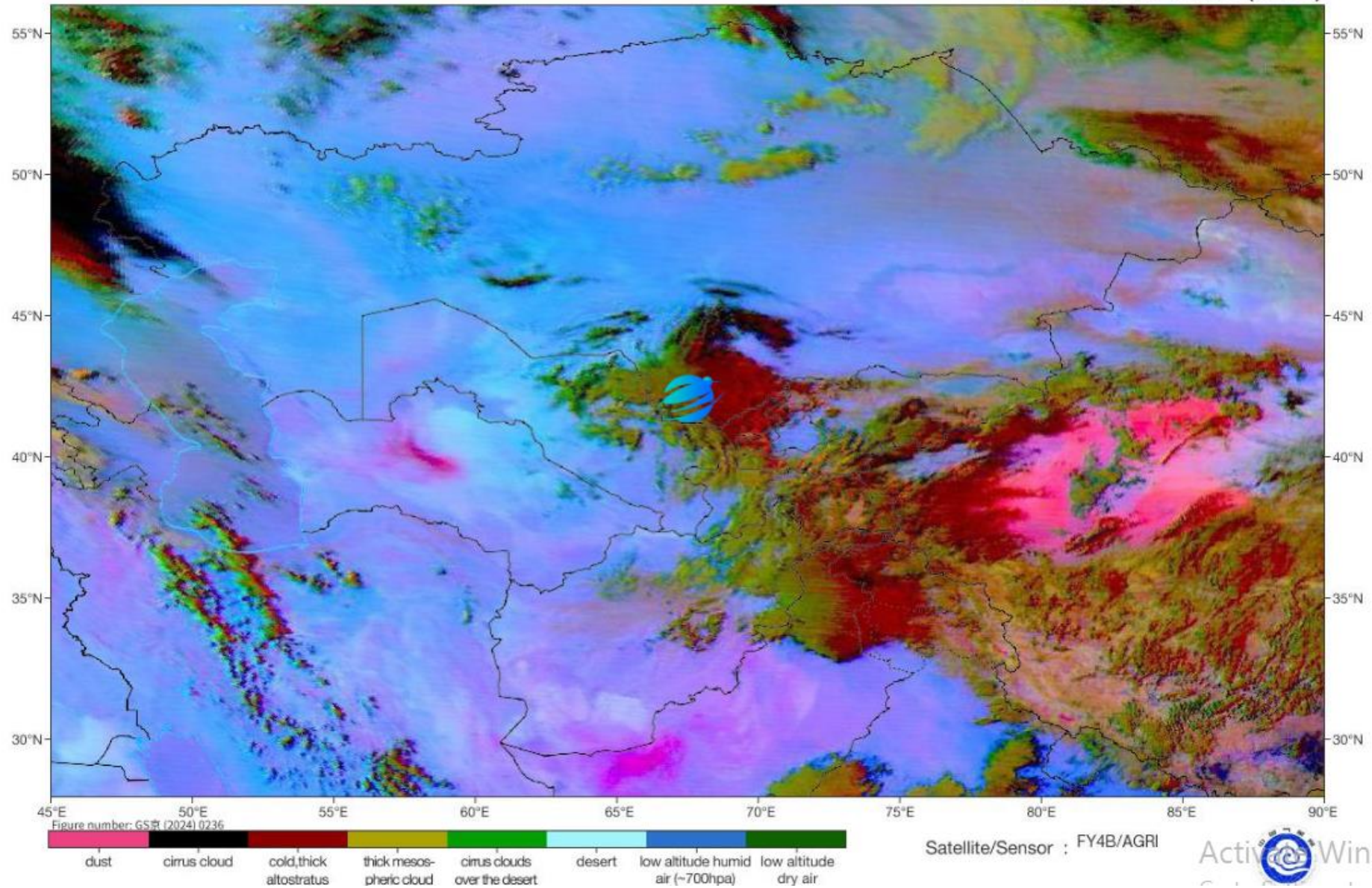


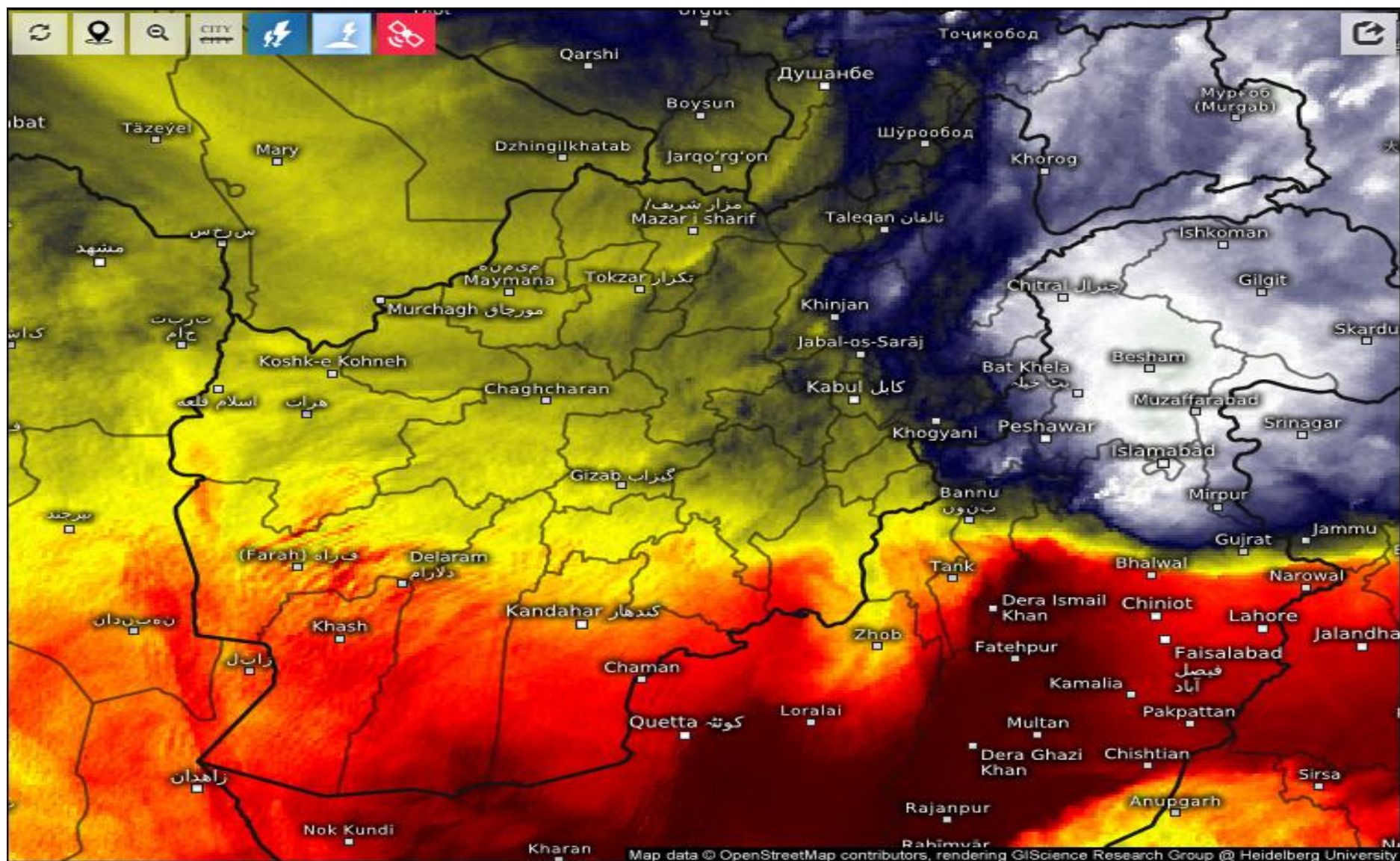
## Satellite Dust

Thu 05/29/2025, 07:00pm GMT+0430

## Sand And Dust Identification

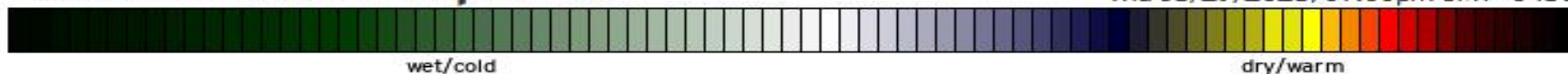
2025-05-29 14:30(UTC)





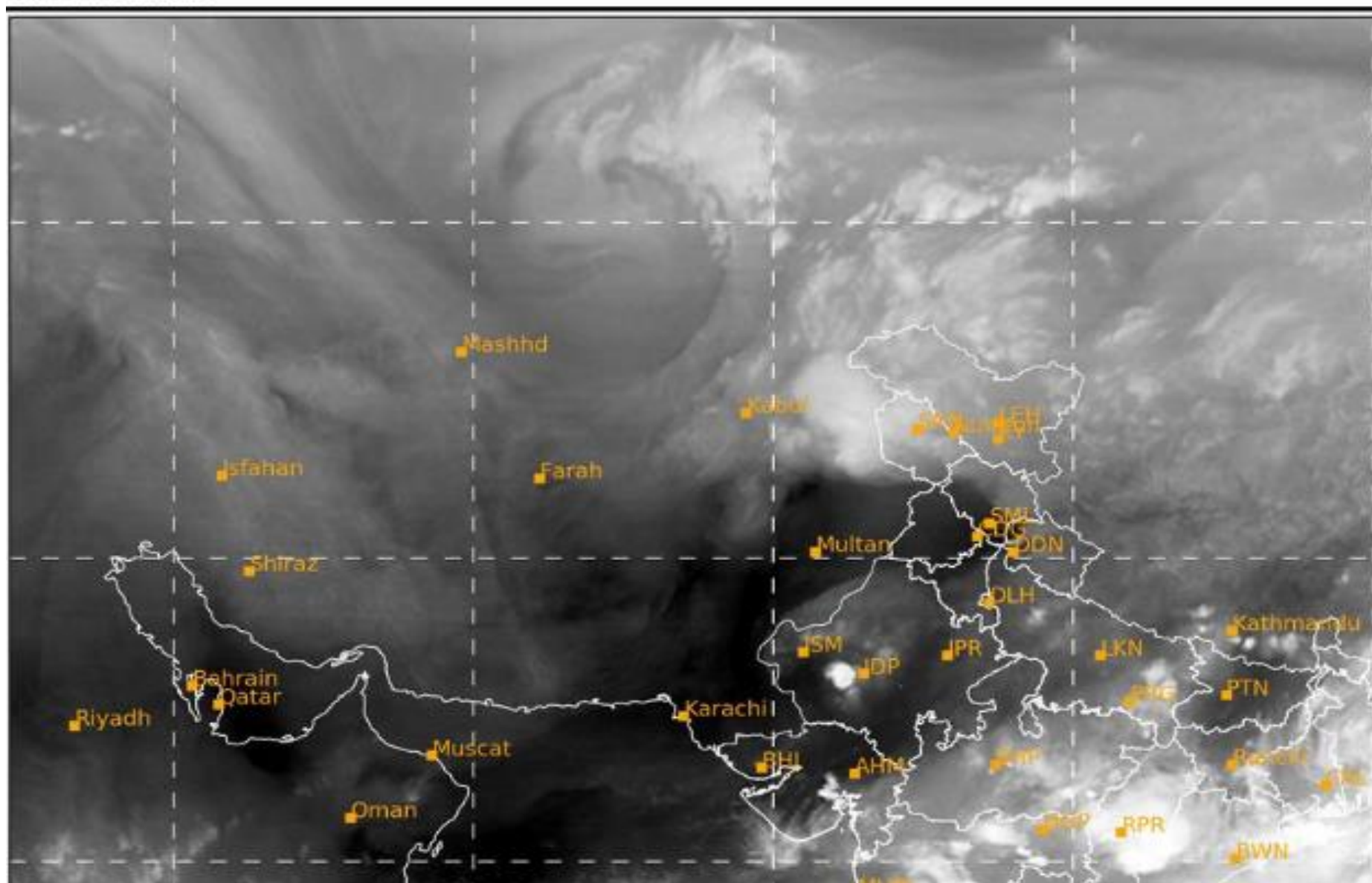
## Satellite Water Vapor

Thu 05/29/2025, 07:00pm GMT+0430



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

29-05-2025/(1345 to 1412) GMT  
29-05-2025/(1915 to 1942) IST



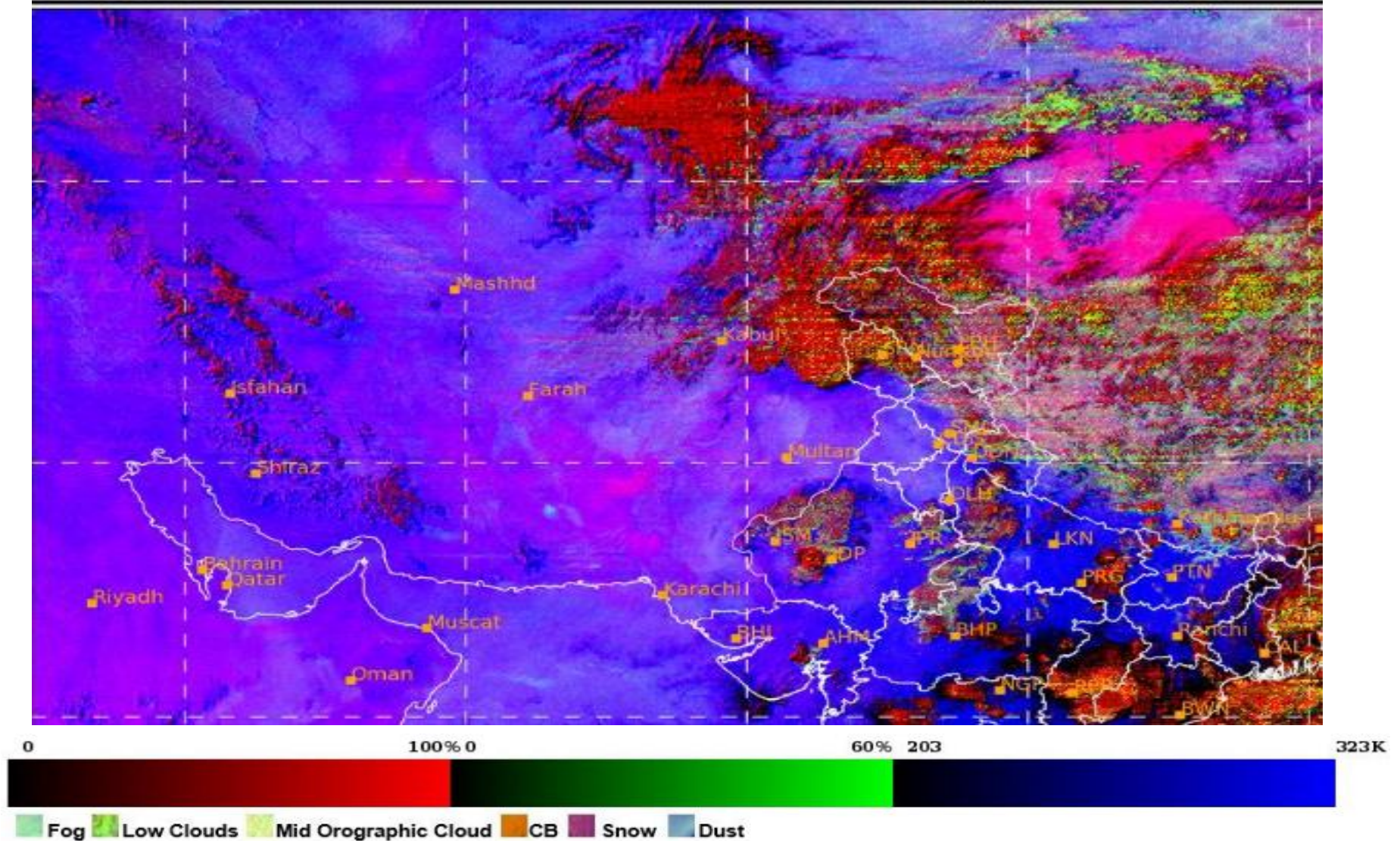
SAT : INSAT-3DR IMG

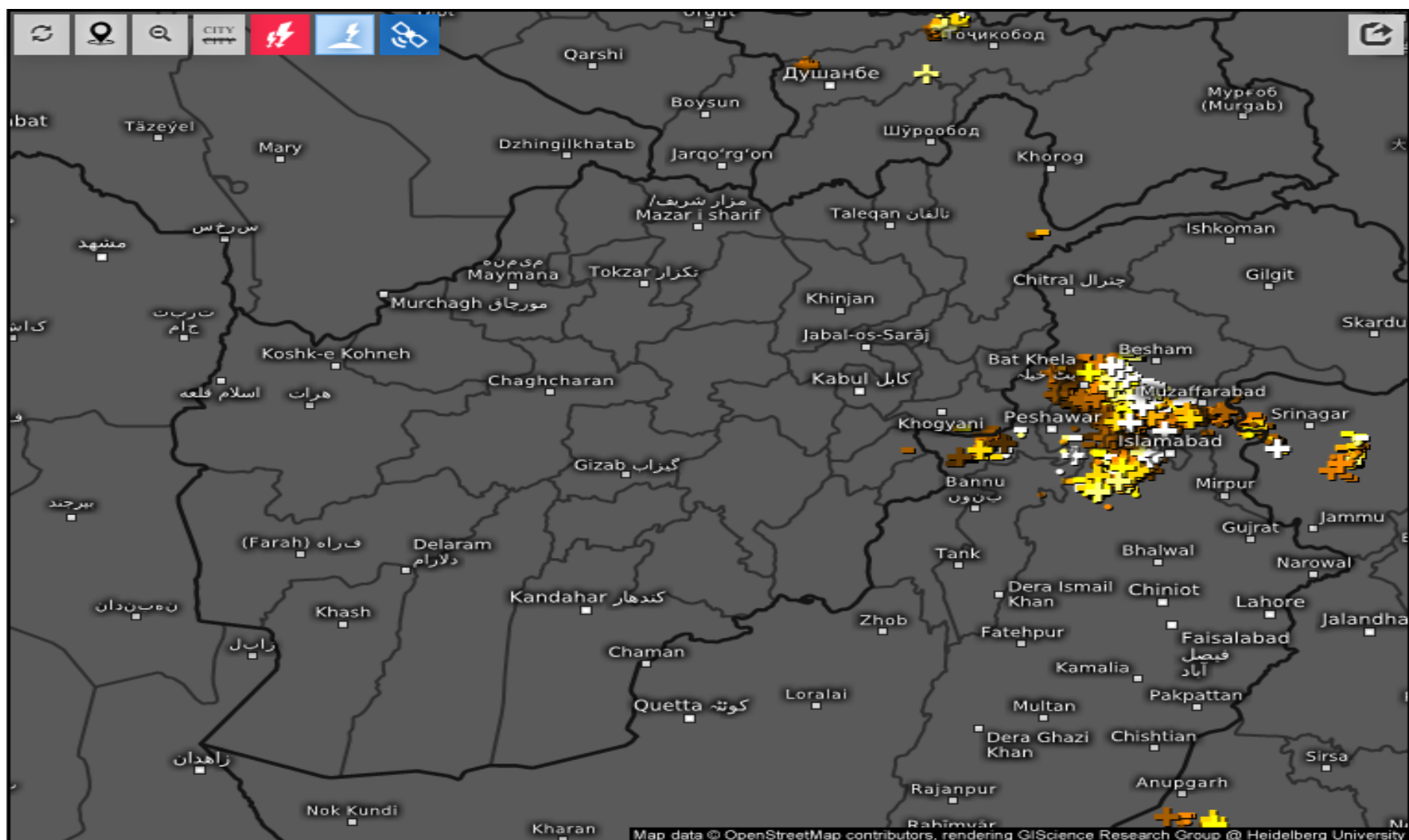
29-05-2025/(1345 to 1412) GMT

Night Microphysics: TIR2\_BT-TIR1\_BT (R), TIR1\_BT-MIR\_BT (G), TIR1\_BT (B)

L1C Mercator

29-05-2025/(1915 to 1942) IST





Age of lightning (minutes) 

Thu 05/29/2025, 07:10pm GMT+0430





## Live satellite map, Afghanistan



# Cloud Top Height

2025-05-29 14:15(UTC)

