



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



Daily reports of Satellite imagery analysis. Date & Time: 20/08/2025, 00:00 UTC

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

- **Details:** According to satellite imagery analysis, the northern, eastern, central, northeastern and northwestern areas have warm air mass (High UTH). The northern, western, central, northwestern and southwestern areas have dust. The eastern southeastern areas have partly cloudy sky. The all region have weak water vapor with the exception of southern eastern southwestern areas have dry water vapor.

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-08-19 14:15

AirMass

Thick,  
high-level cloud

Thick,  
mid-level cloud

Thick,  
low-level cloud

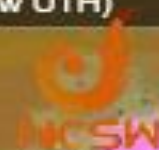
Jet

Cold Airmass

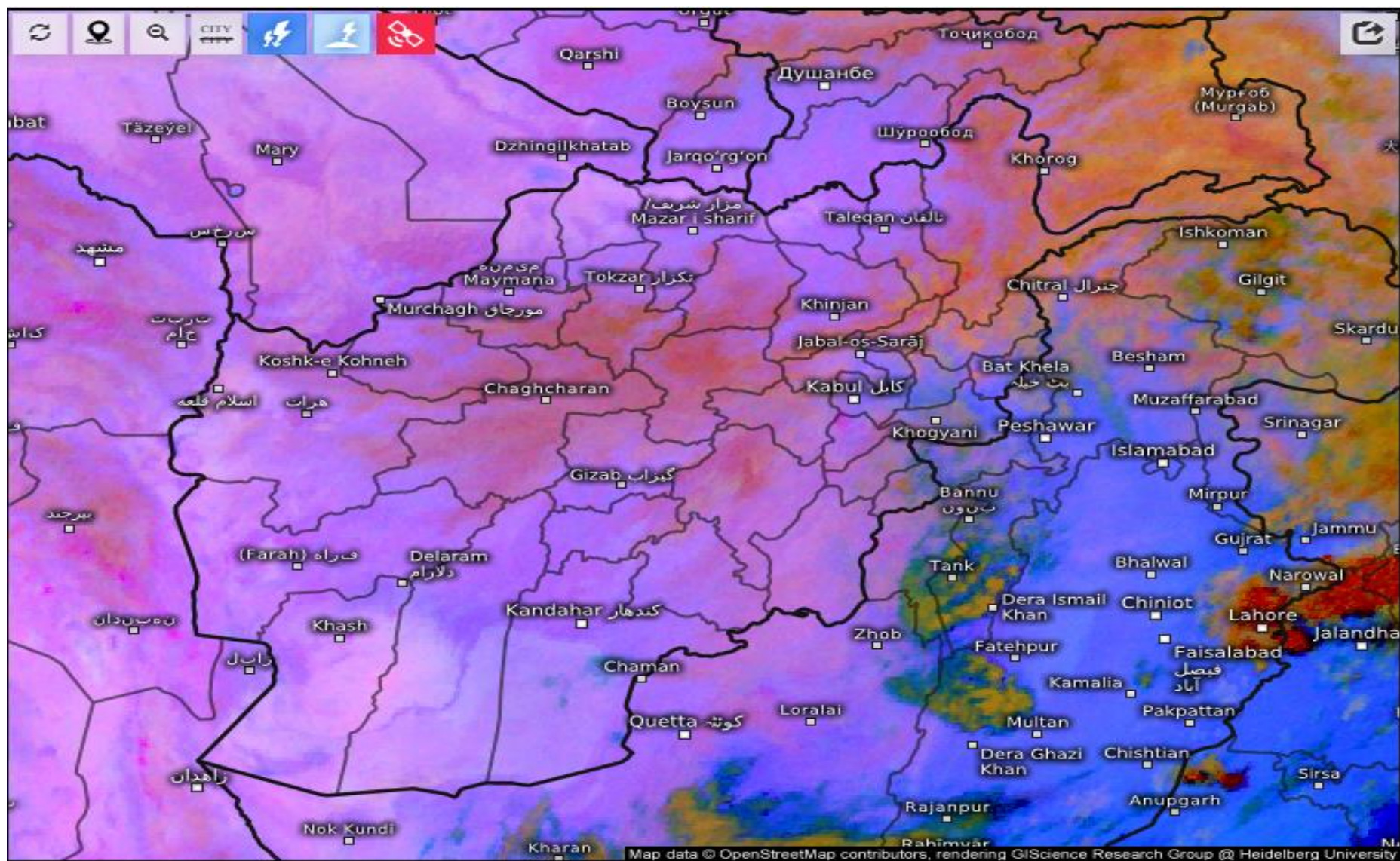
Warm Airmass  
(high UTH)

Warm Airmass  
(low UTH)

FY-4B AirMass RGB Composite (From WMO)







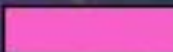
Satellite Dust 

Wed 08/20/2025, 04:00am GMT+0430

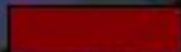


UTC : 2025-08-19 14:15

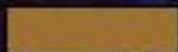
Dust



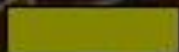
Dust



High-level cloud



Thick,  
mid-level cloud



Thin,  
mid-level cloud



Ocean



Land



Low-level cloud



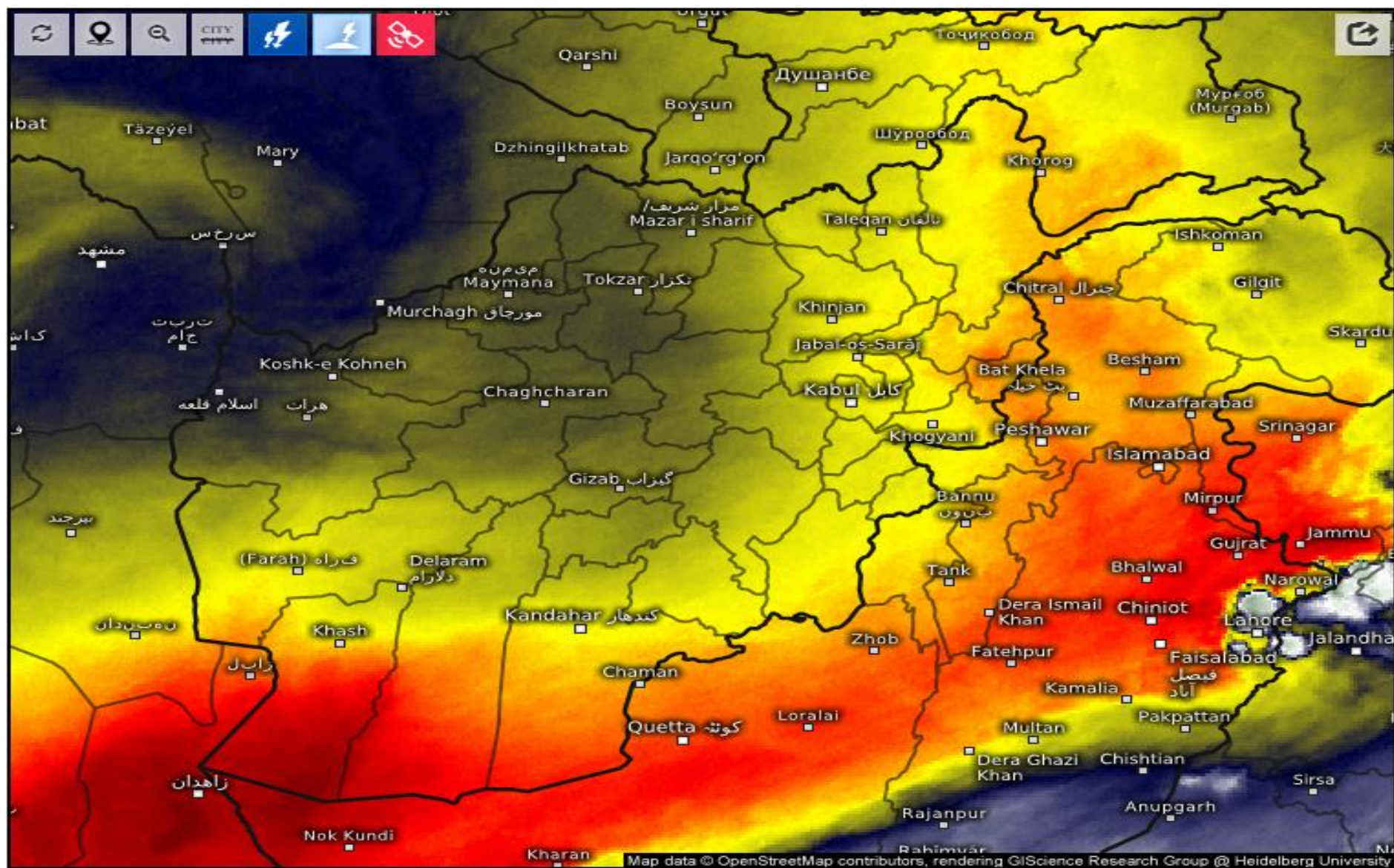
Cirrus

R =  
G =  
B =

FY-4B Dust RGB Composite (From WMO)

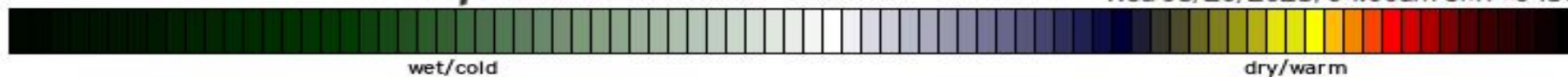






## Satellite Water Vapor

Wed 08/20/2025, 04:00am GMT+0430



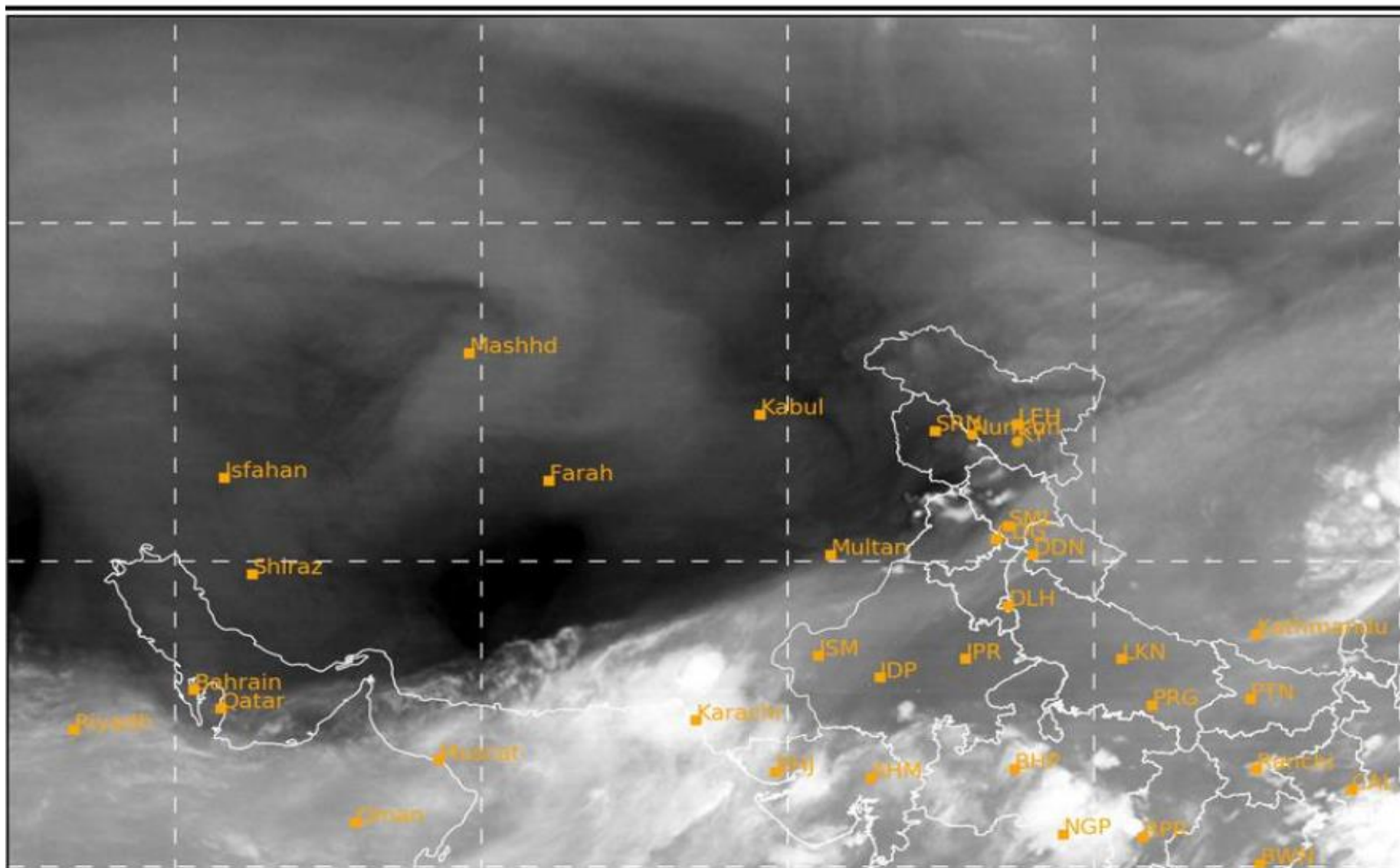
SAT : INSAT-3DR IMG

IMG\_WV 6.8 um

L1C Mercator

19-08-2025/(2215 to 2242) GMT

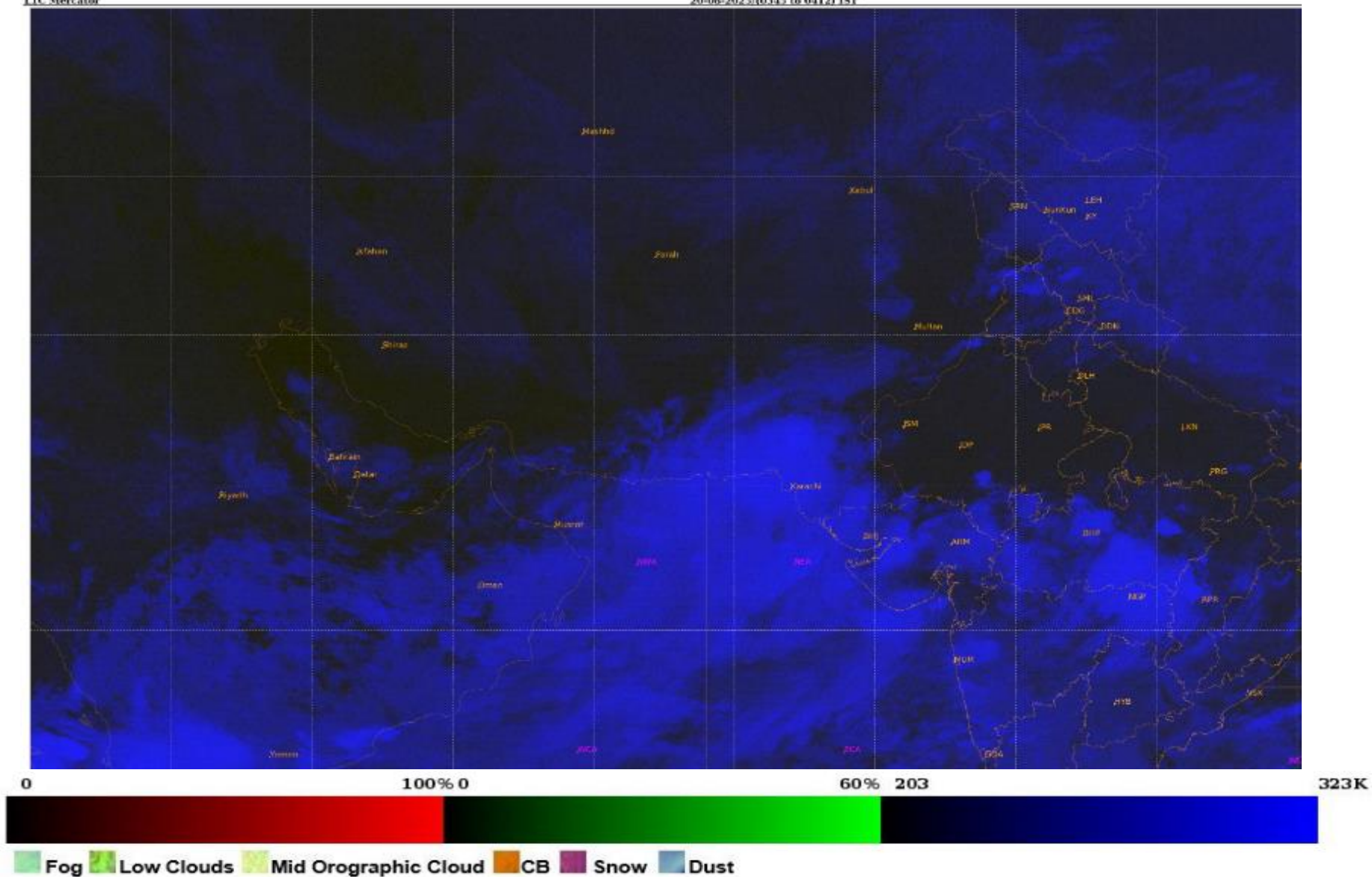
20-08-2025/(0345 to 0412) IST





SAT : INSAT-3DR IMG  
 IMG\_VIS 0.65 um(R), IMG\_VIS 0.65 um(G), IMG\_TIR1 10.8 um(B)  
 L1C Mercator

19-08-2025/(2215 to 2242) GMT  
 20-08-2025(00345 to 0412) IST



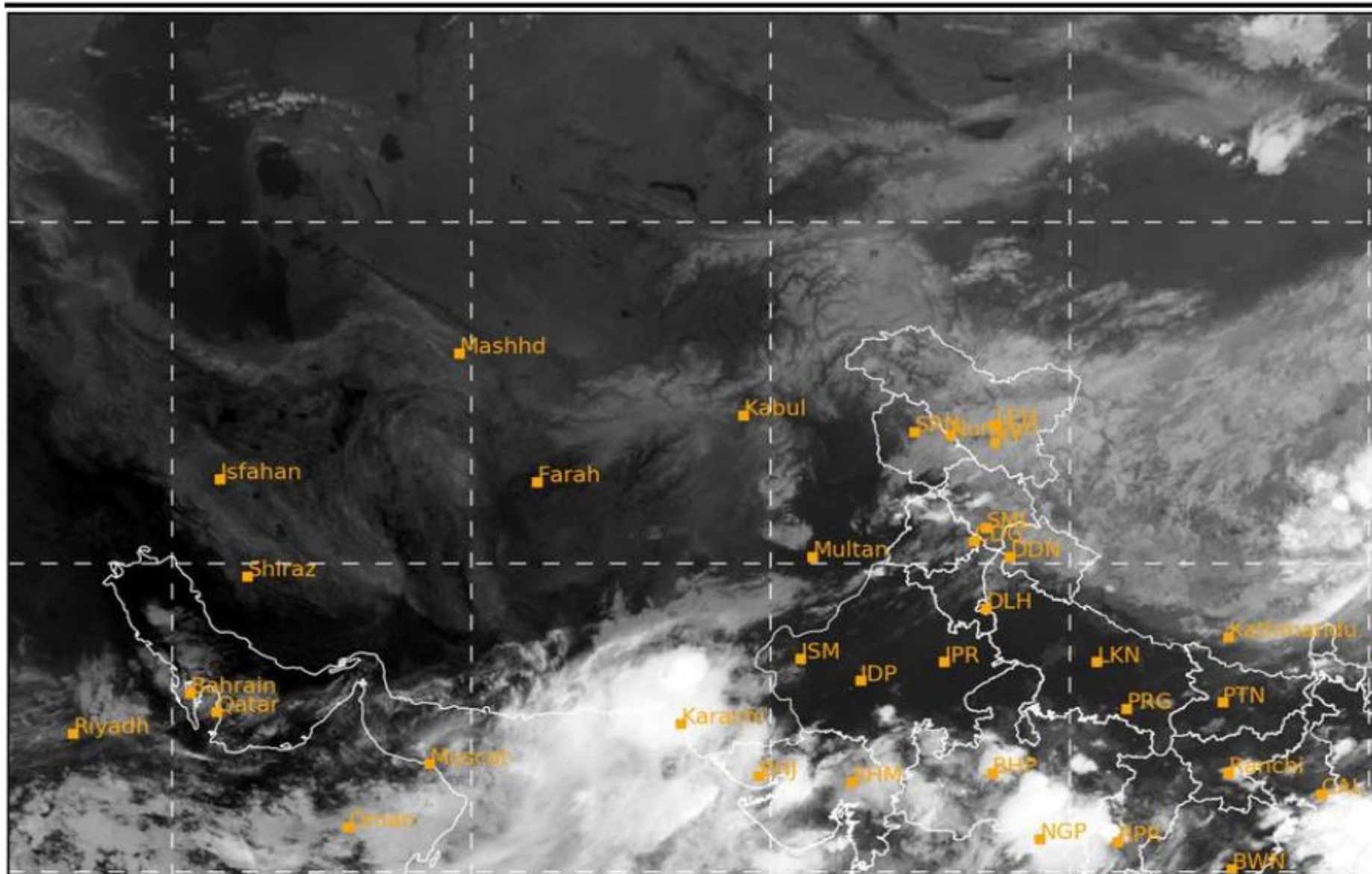
## Live satellite map, Afghanistan





SAT : INSAT-3DR IMG  
IMG\_TIR1 10.8 um  
L1C Mercator

19-08-2025/(2215 to 2242) GMT  
20-08-2025/(0345 to 0412) IST



## Live satellite map, Afghanistan





# Cloud Top Height

2025-08-19 23:15(UTC)

