



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



Daily reports of Satellite imagery analysis. Date & Time: 19/09/2025, 15:00 UTC

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

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

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

- Reported by: Esmatullah Mohammadi

UTC : 2025-09-19 04:45

AirMass



Thick,
high-level cloud



Thick,
mid-level cloud



Thick,
low-level cloud



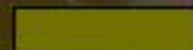
Jet



Cold Airmass



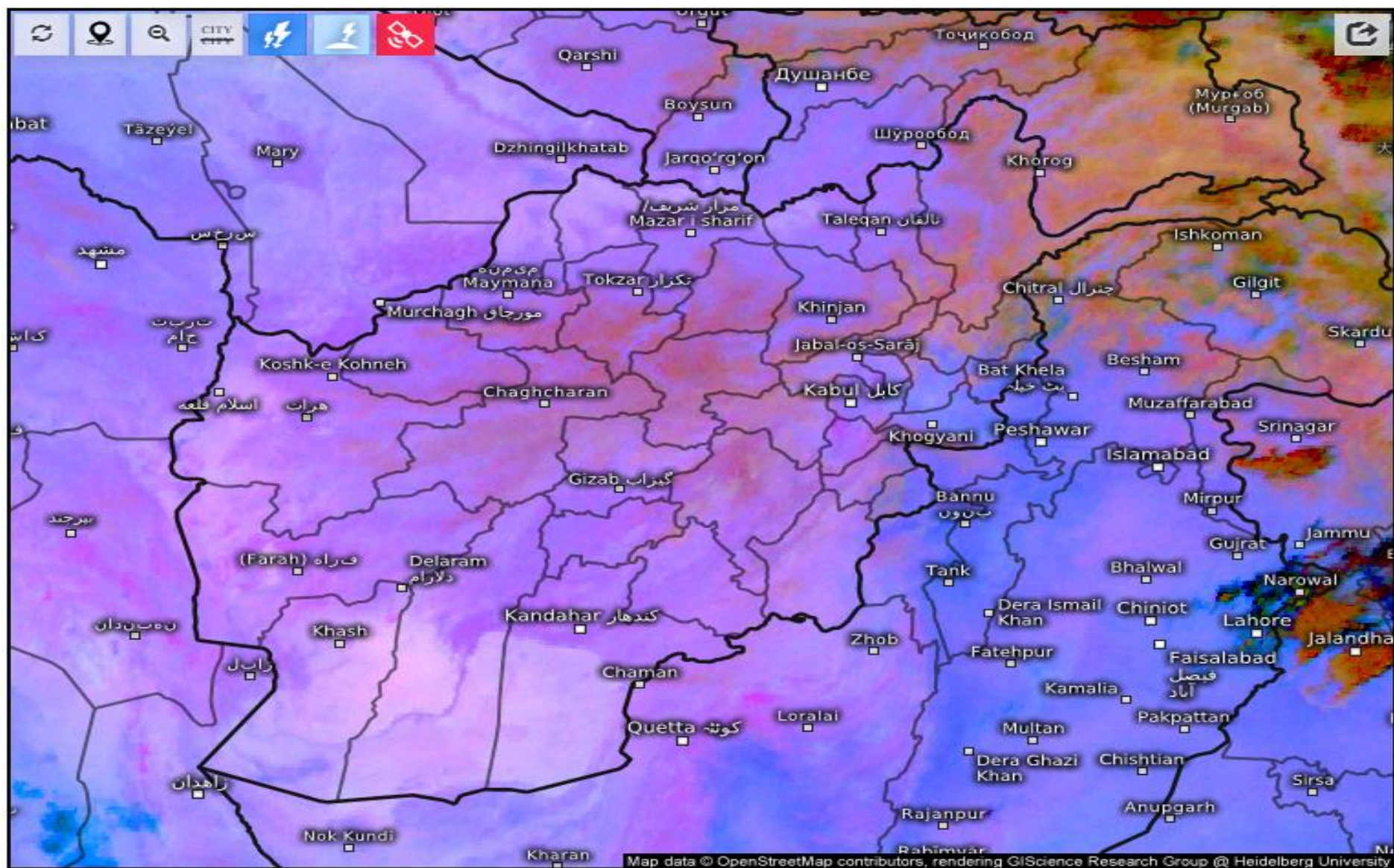
Warm Airmass
(high UTH)



Warm Airmass
(low UTH)

FY-4B AirMass RGB Composite (From WMO)



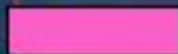


Satellite Dust 

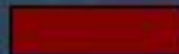
Fri 09/19/2025, 07:00pm GMT+0430

UTC : 2025-09-19 04:45

Dust



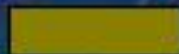
Dust



High-level cloud



Thick,
mid-level cloud



Thin,
mid-level cloud



Ocean



Land



Low-level cloud

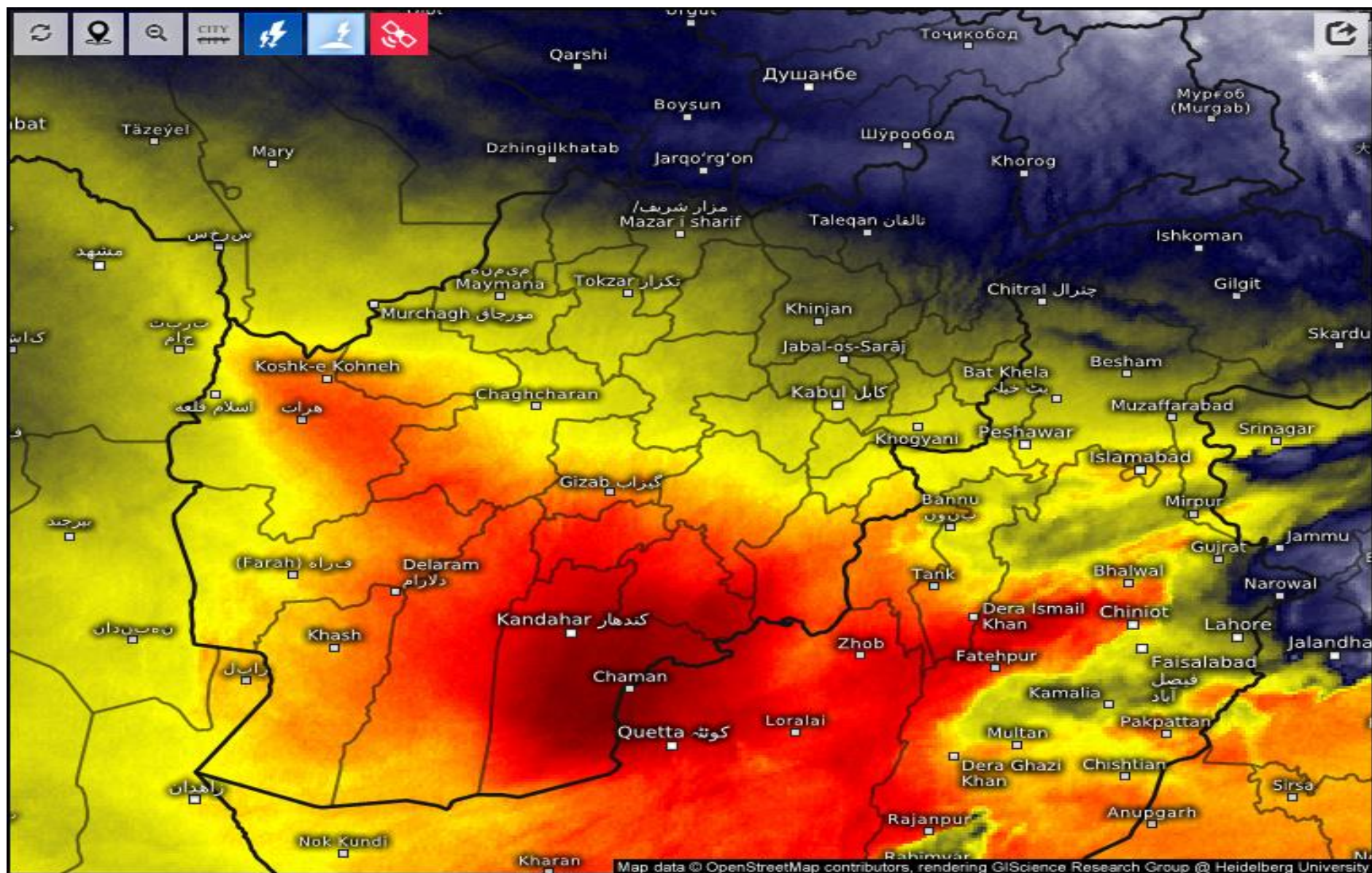


Cirrus

R = IR
G = IR
B = IR

FY-4B Dust RGB Composite (From WMO)





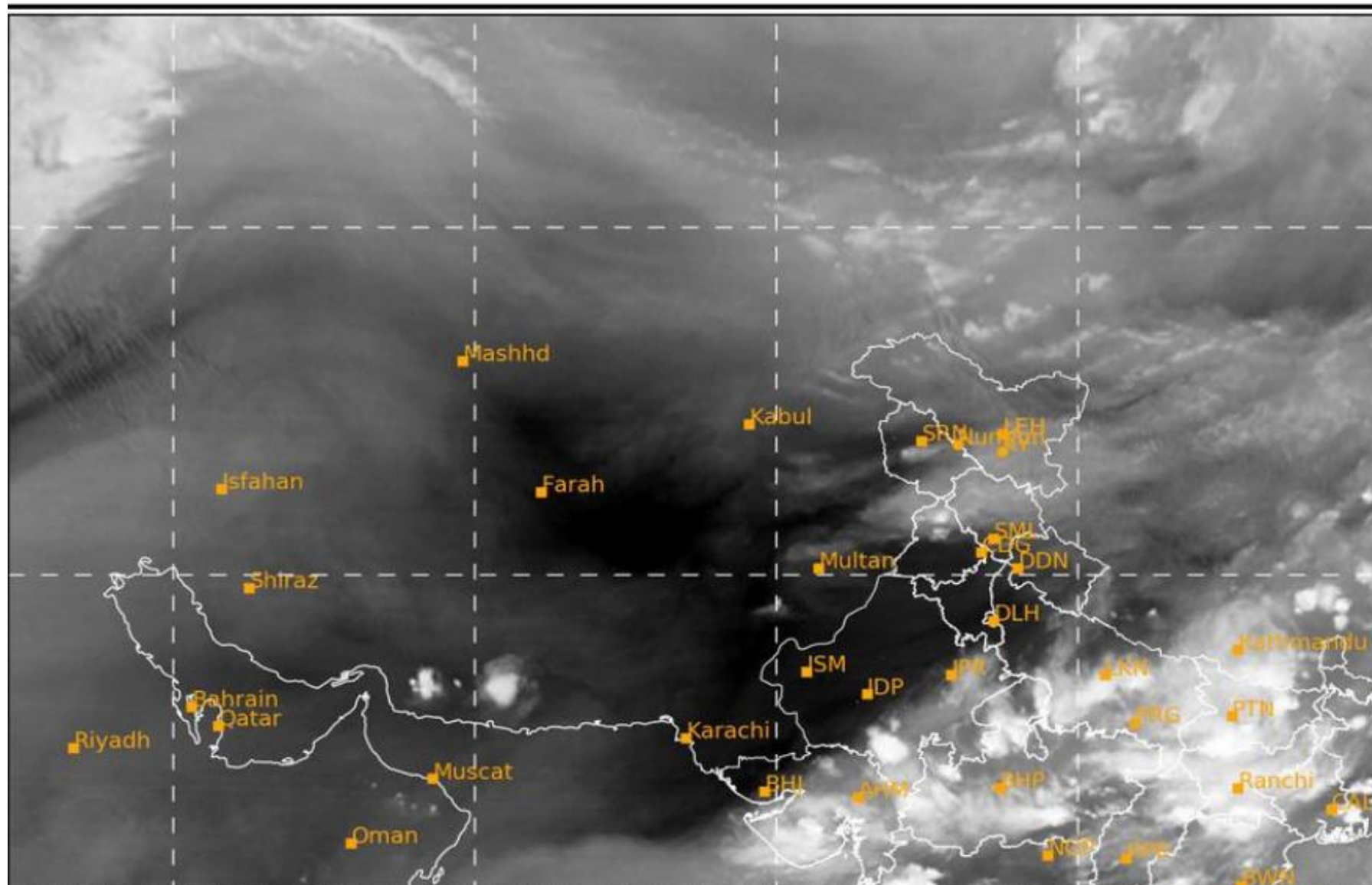
Satellite Water Vapor

Fri 09/19/2025, 07:00pm GMT+0430



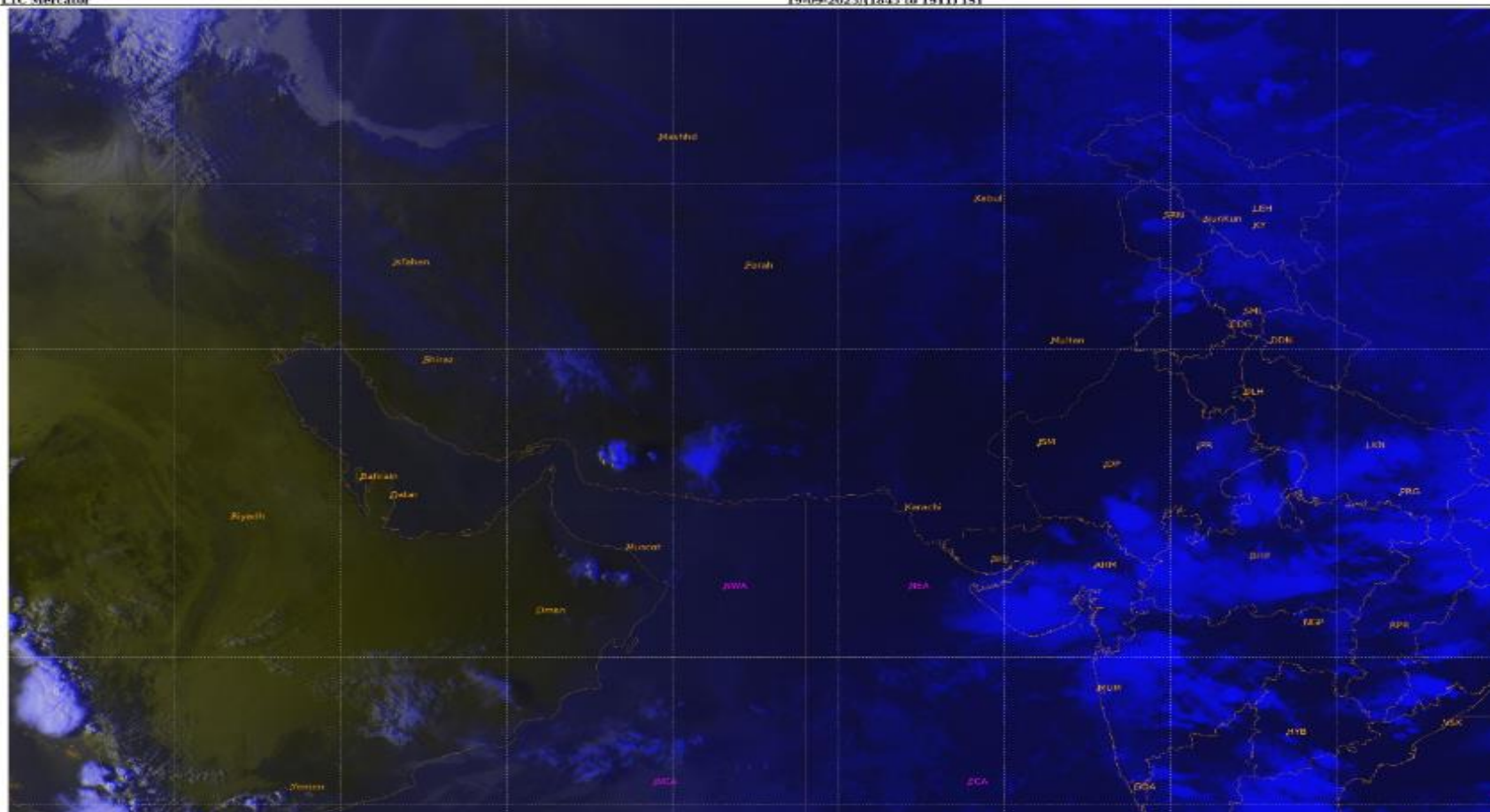
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

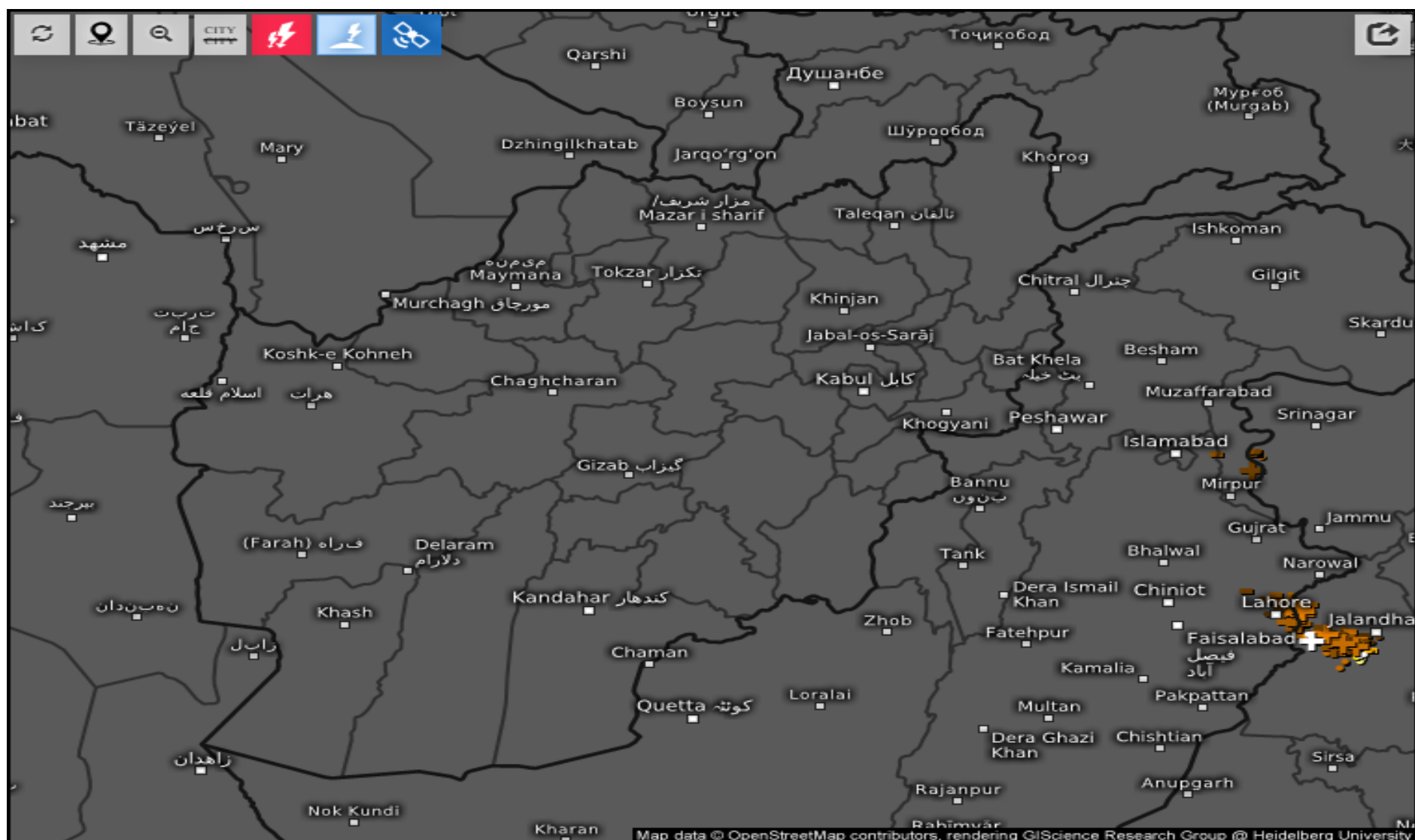
19-09-2025/(1315 to 1341) GMT
19-09-2025/(1845 to 1911) IST



SAT : INSAT-3DR IMG
 IMG_VIS 0.65 um(R), IMG_VIS 0.65 um(G), IMG_TIR1 10.8 um(B)
 L1C Mercator

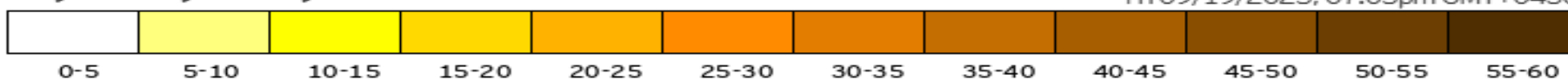
19-09-2025/(1315 to 1341) GMT
 19-09-2025/(1845 to 1911) IST





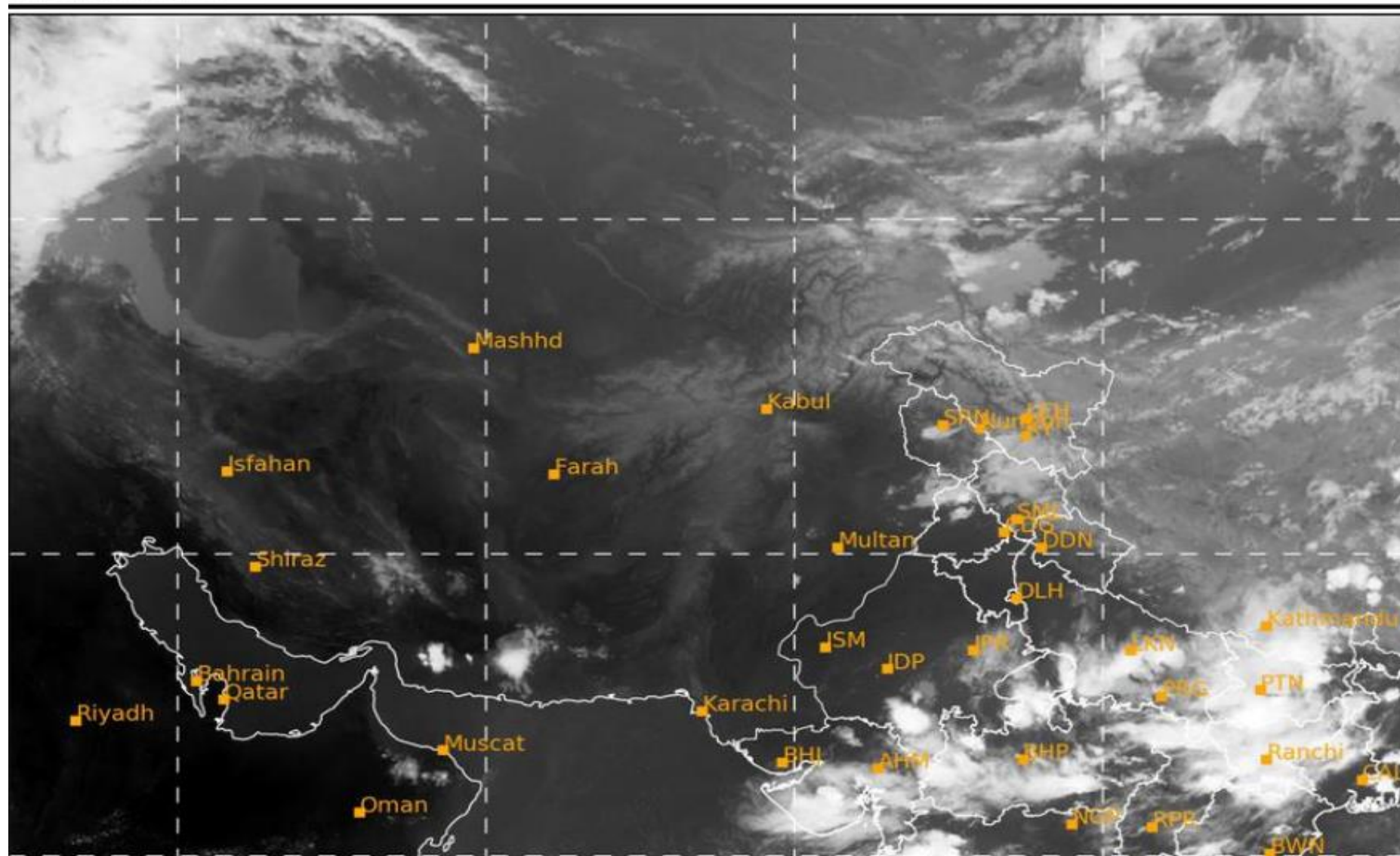
Age of lightning (minutes) 

Fri 09/19/2025, 07:05pm GMT+0430



SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

19-09-2025/(1315 to 1341) GMT
19-09-2025/(1845 to 1911) IST



Live satellite map, Afghanistan



Cloud Top Height

2025-09-19 14:15(UTC)

