



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



Daily reports of Satellite imagery analysis. Date & Time: 22-07-2026, 09:00 UTC

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

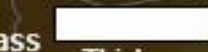
Details: According to satellite imagery analysis, the northern, southern, western, central, northwestern and southwestern regions have a warm air mass with (High UTH). The northern, southern, western, northwestern and southwestern regions have dust. The eastern, northeastern, southeastern, regions have Thunder storm. The eastern, central, northeastern, southeastern and northwestern regions have cloudy skies. The eastern, northeastern and southeastern regions have Fog or water cloud. The northern, southern, western, eastern, central, northeastern, northwestern, southwestern regions have dry/warm water vapor and the southeastern, regions have wet water vapor. The southwestern regions have Jetstream.

Not: X (Not existing phenomena) V (existing phenomena)

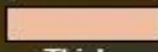
Reported by: Esmatullah Mohammadi

UTC: 2026-07-21 23:15

AirMass



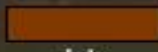
Thick,
high-level cloud



Thick,
mid-level cloud



Thick,
low-level cloud



Jet



Cold Airmass



Warm Airmass
(high UTH)



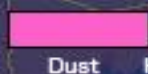
Warm Airmass
(low UTH)

R = WV (6.25) - WV (7.1)
G = IR (9.5) - IR (10.8)
B = WV (6.25)

FY-4B AirMass RGB Composite (From WMO)

UTC: 2026-07-21 23:15

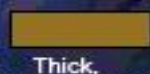
Dust



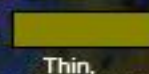
Dust



High-level cloud



Thick,
mid-level cloud



Thin,
mid-level cloud



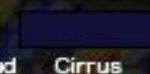
Ocean



Land



Low-level cloud

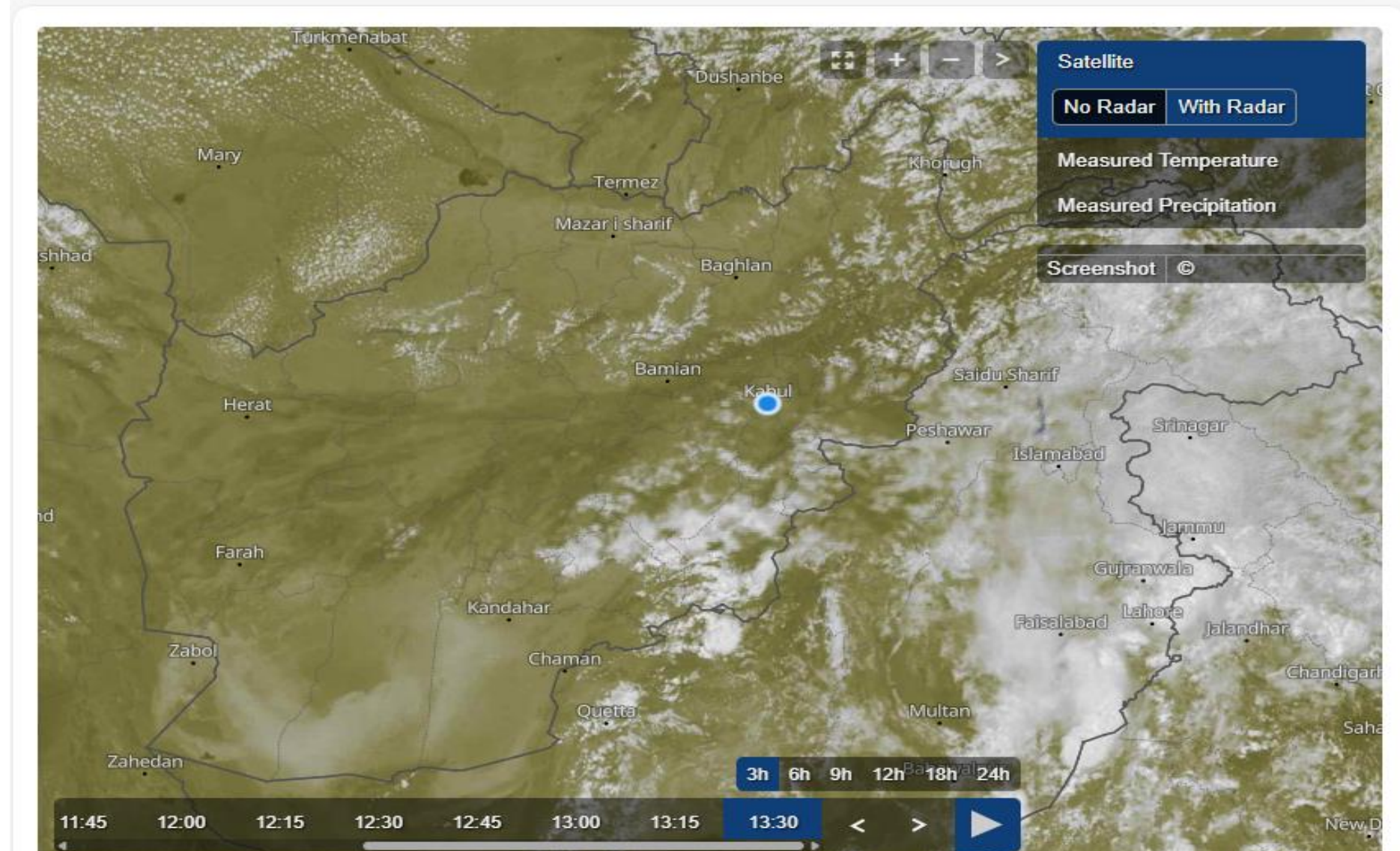


Cirrus

$R = IR(12.0) - IR(10.8)$
 $G = IR(10.8) - IR(8.5)$
 $B = IR(10.8)$

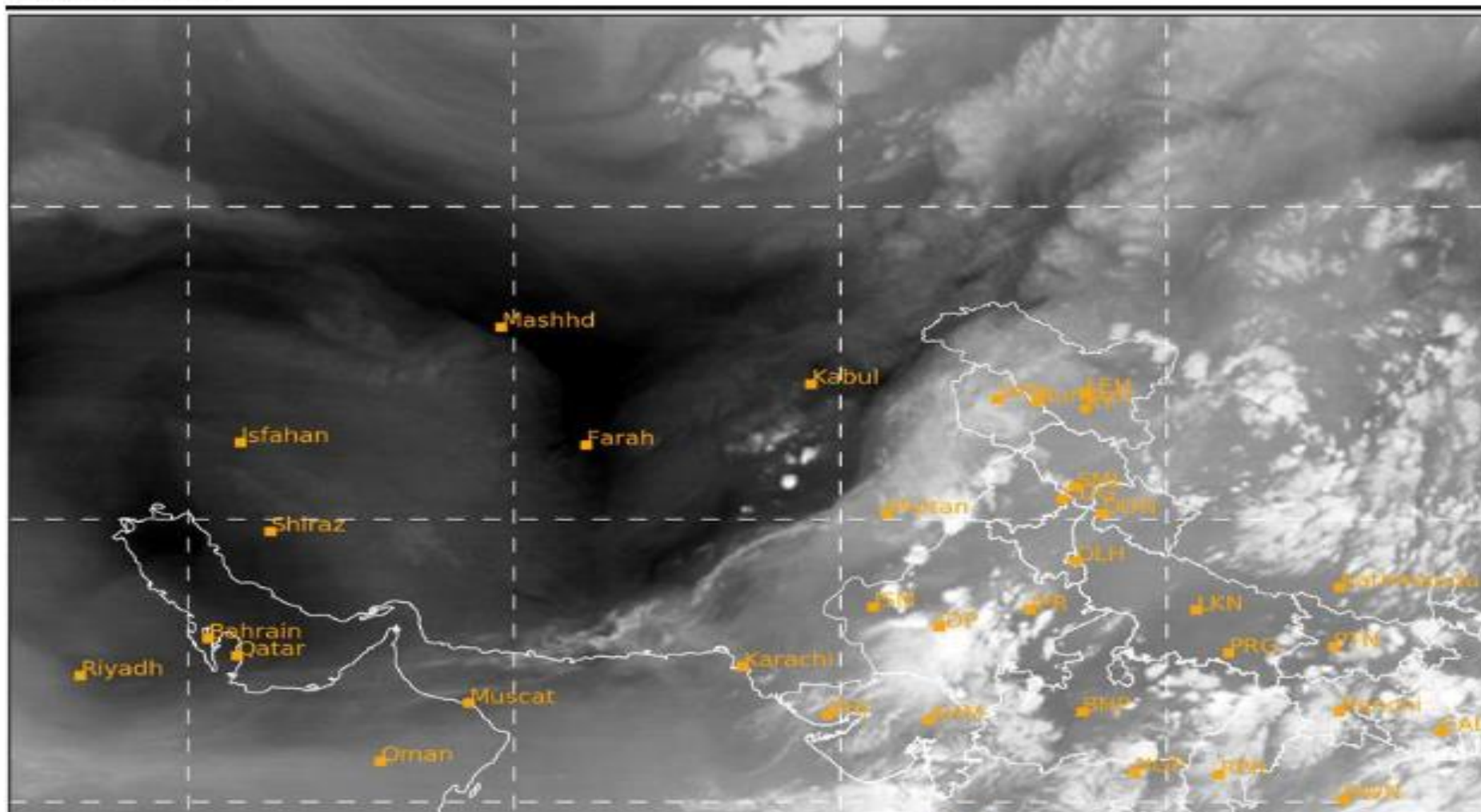
FY-4B Dust RGB Composite (From WMO)

Live satellite map, Afghanistan



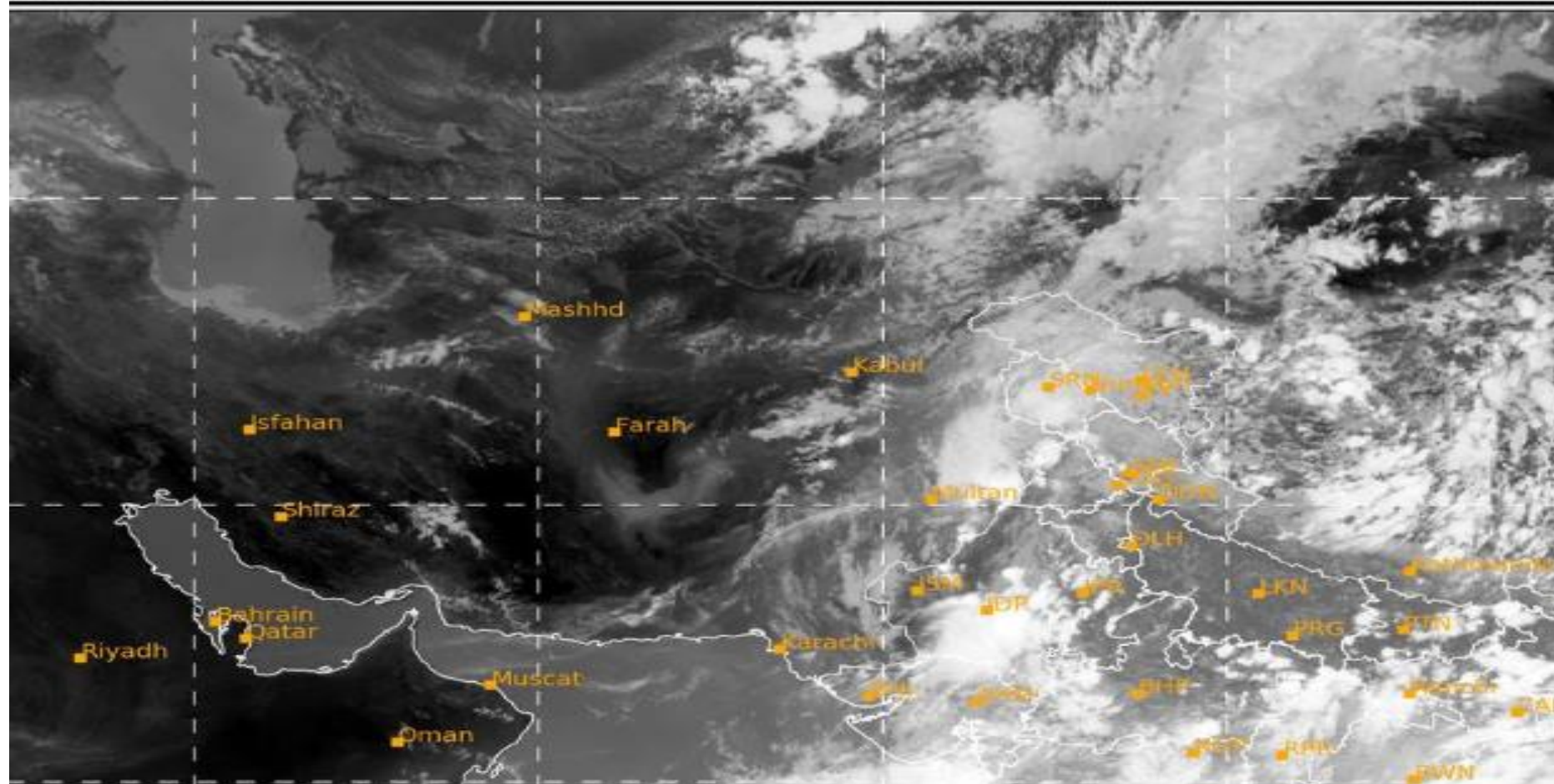
SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator

22-07-2026/(0815 to 0842) GMT
22-07-2026/(1345 to 1412) IST



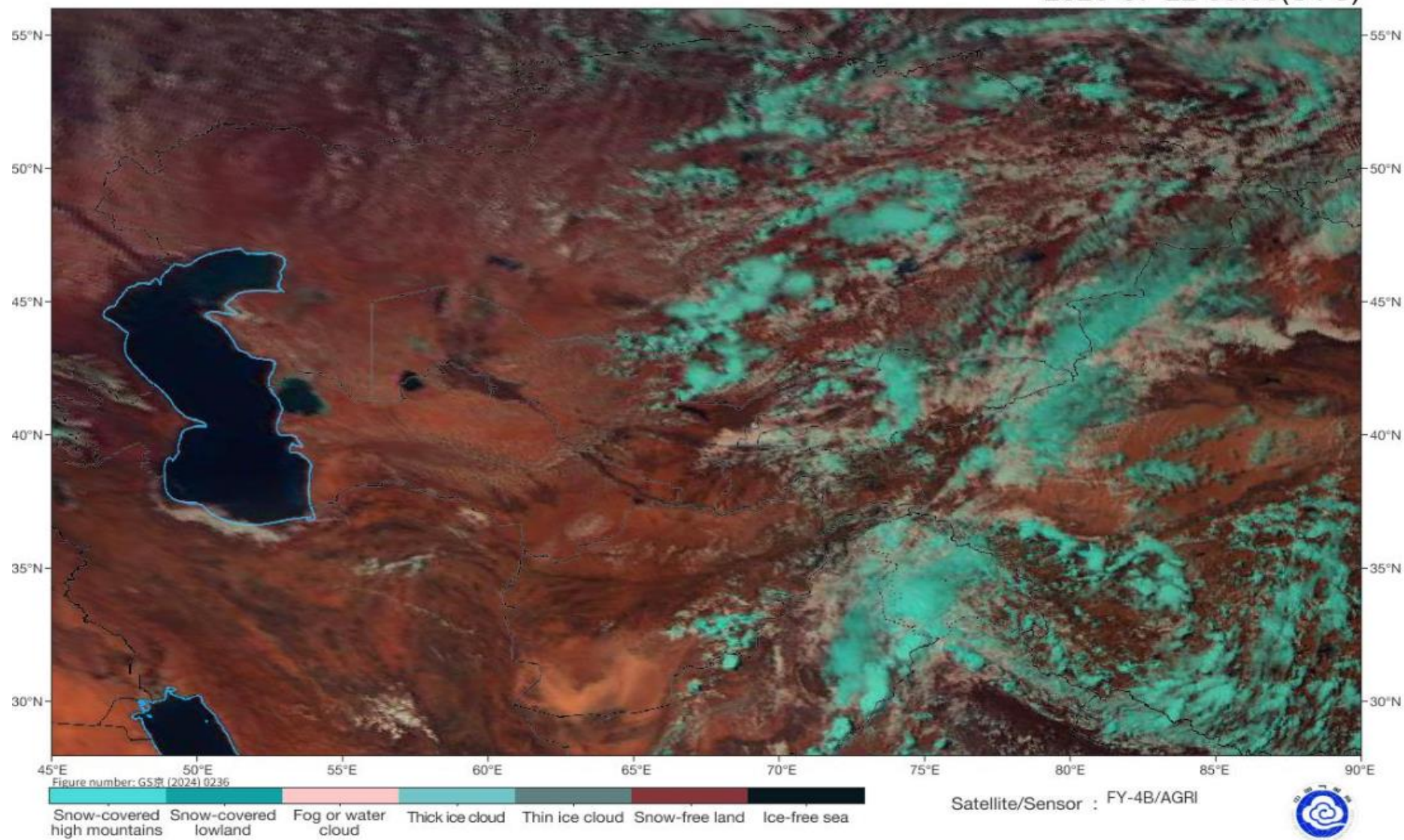
SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

22-07-2026/(0745 to 0812) GMT
22-07-2026/(1315 to 1342) IST



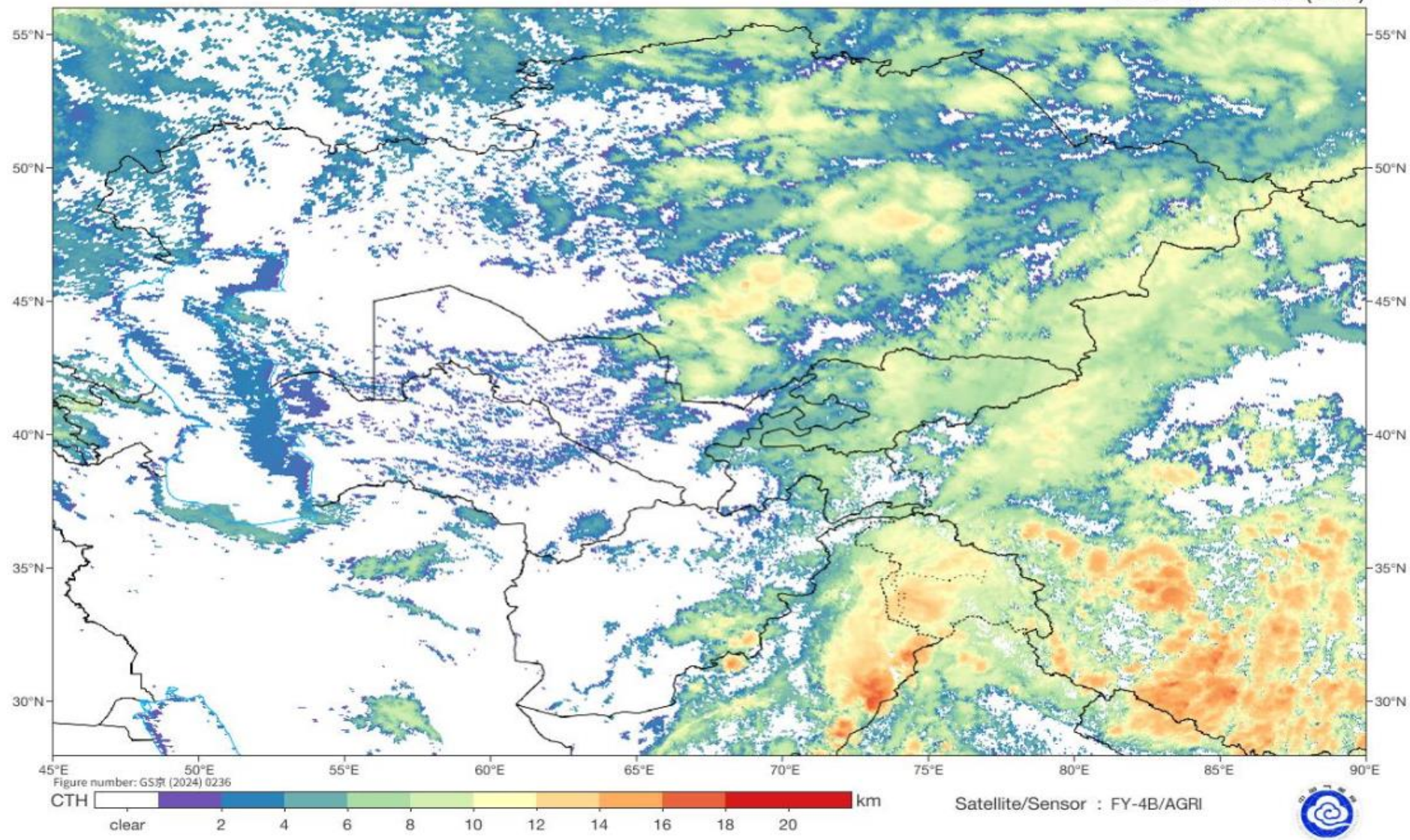
Fog Identification

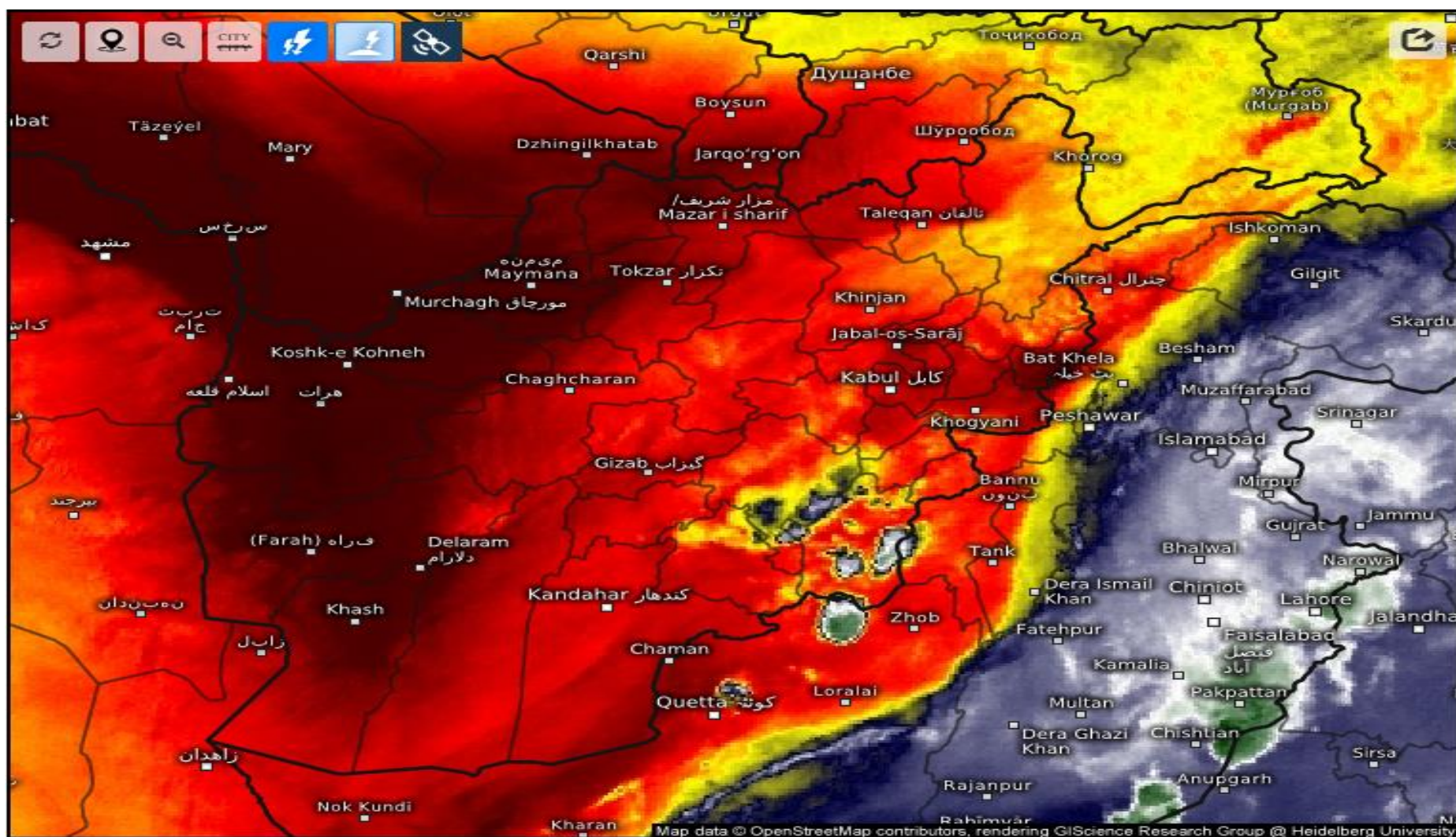
2026-07-22 09:00(UTC)



Cloud Top Height

2026-07-22 08:45(UTC)

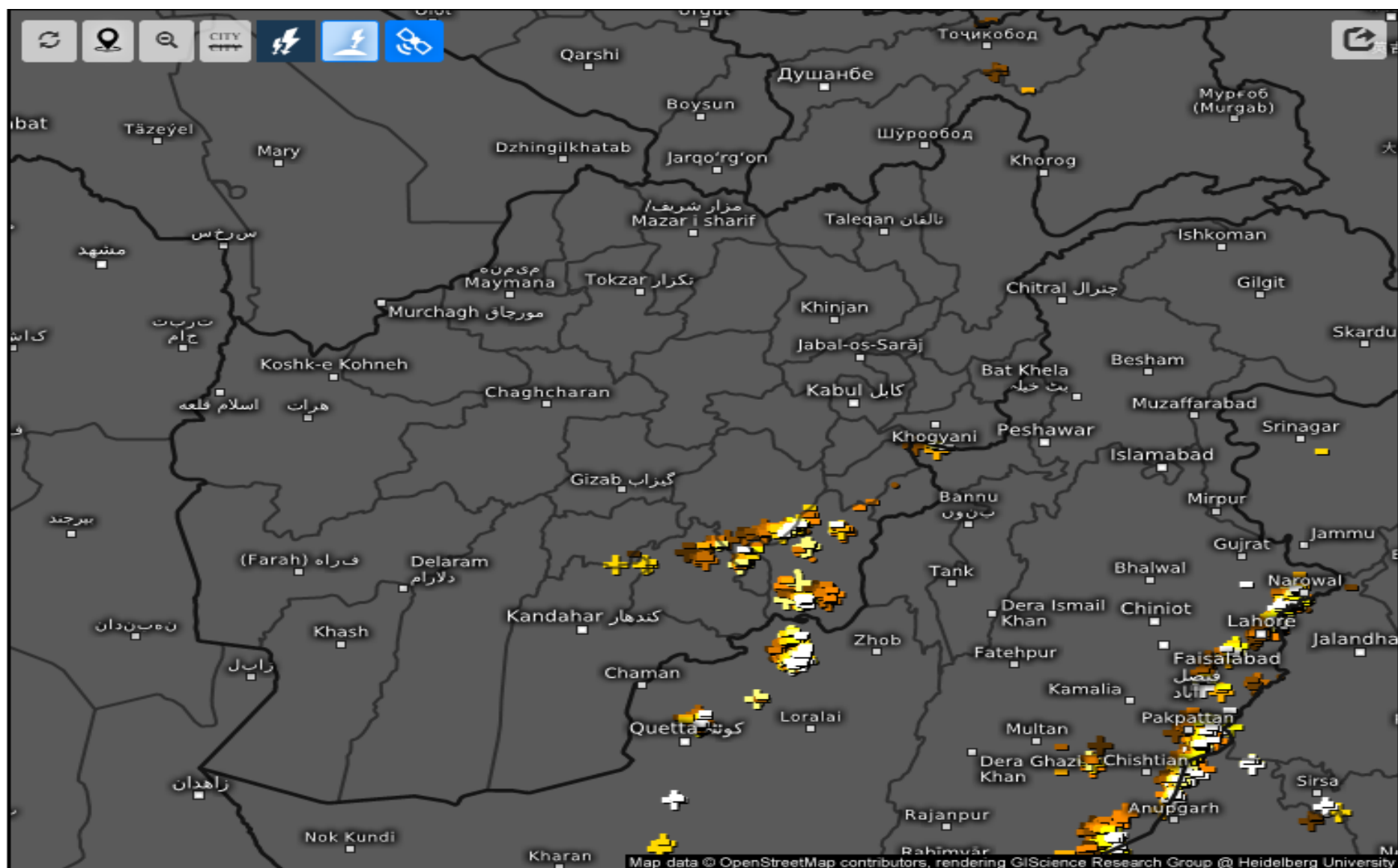




Satellite Water Vapor

Wed 07/22/2026, 01:15pm GMT+0430





Age of lightning (minutes) 

Wed 07/22/2026, 01:35pm GMT+0430

