



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



Daily reports of Satellite imagery analysis. Date & Time: 20-07-2026, 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	✓ dry	X	X	
2	South	✓	X	X	X	X	✓ Weak	X	X	
3	West	✓	light	X	X	X	✓ dry	X	X	
4	East	✓	X	✓	✓	✓	✓ Weak	X	X	Thunder storm + CTH
5	central	✓	X	X	✓	X	✓ dry	X	X	
6	Northeast	✓	X	✓	✓	X	✓ dry	X	X	
7	Southeast	✓	X	✓	✓	X	✓ dry	X	X	
8	Northwest	✓	light	X	X	X	✓ dry	X	✓	
9	Southwest	X	X	X	X	X	✓ dry	X	✓	

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

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

Reported by: Esmatullah Mohammadi

UTC: 2026-07-20 00:00

AirMass



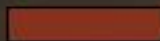
Thick,
high-level cloud



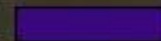
Thick,
mid-level cloud



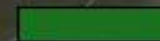
Thick,
low-level cloud



Jet



Cold Airmass



Warm Airmass
(high UTH)



Warm Airmass
(low UTH)

R = WV (6.25) - WV (7.1)

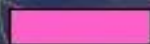
G = IR (9.5) - IR (10.8)

B = WV (6.25)

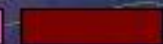
FY-4B AirMass RGB Composite (From WMO)

UTC: 2026-07-20 00:00

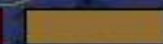
Dust



Dust



High-level cloud



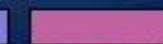
Thick,
mid-level cloud



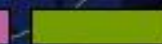
Thin,
mid-level cloud



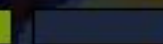
Ocean



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



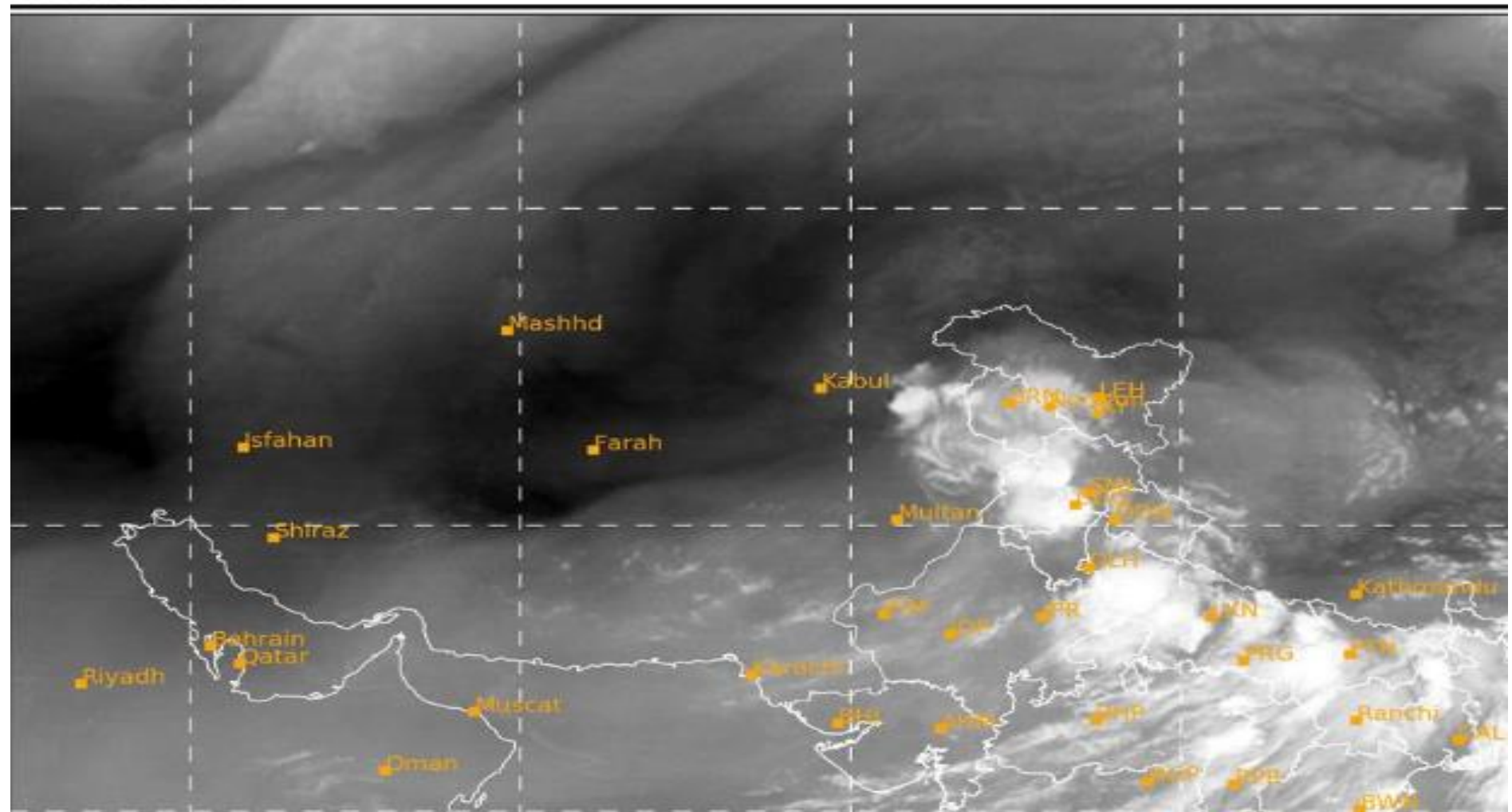
SAT : INSAT-3DR IMG

IMG_WV 6.8 um

L1C Mercator

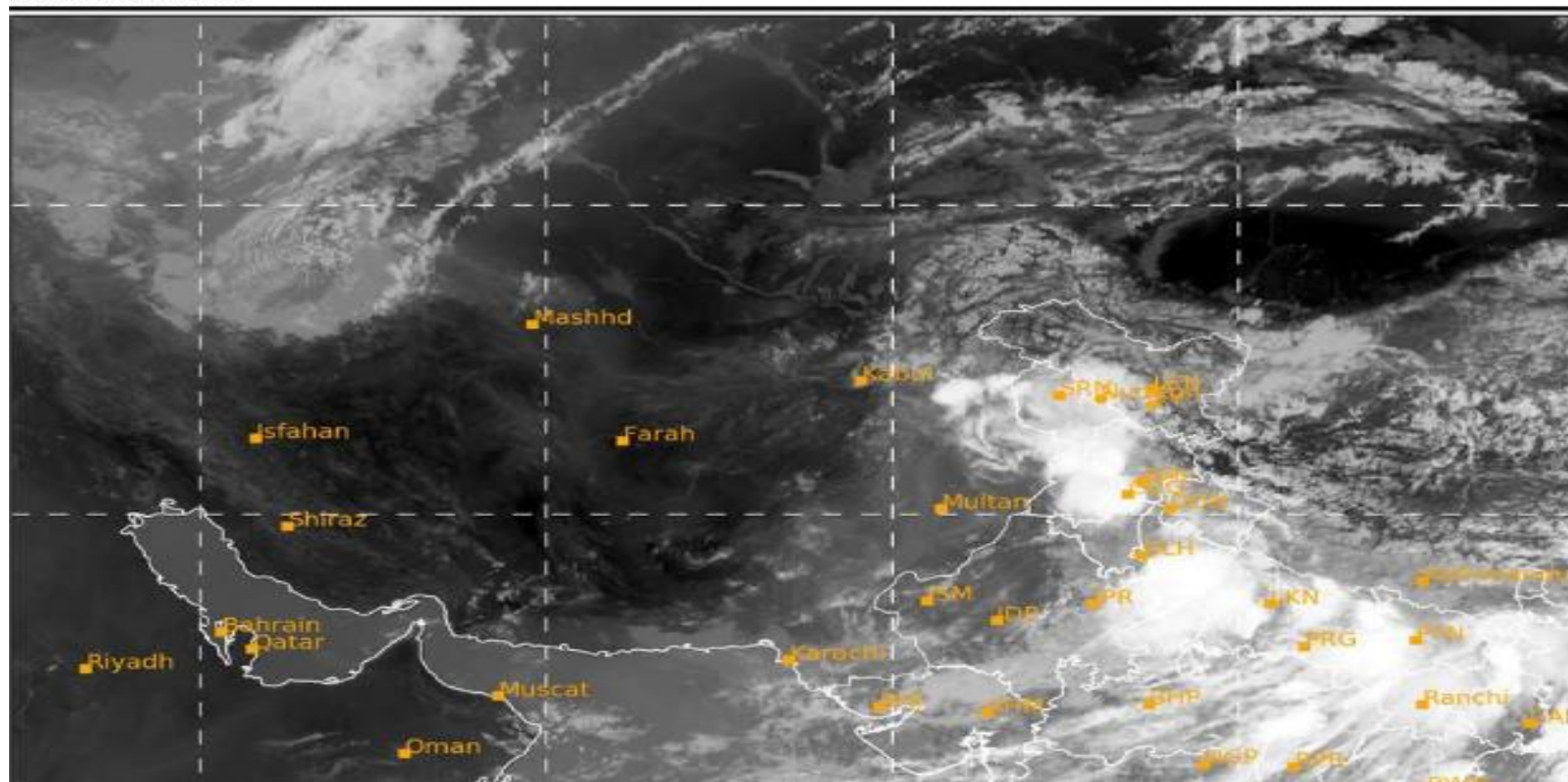
20-07-2026/(0545 to 0612) GMT

20-07-2026/(1115 to 1142) IST



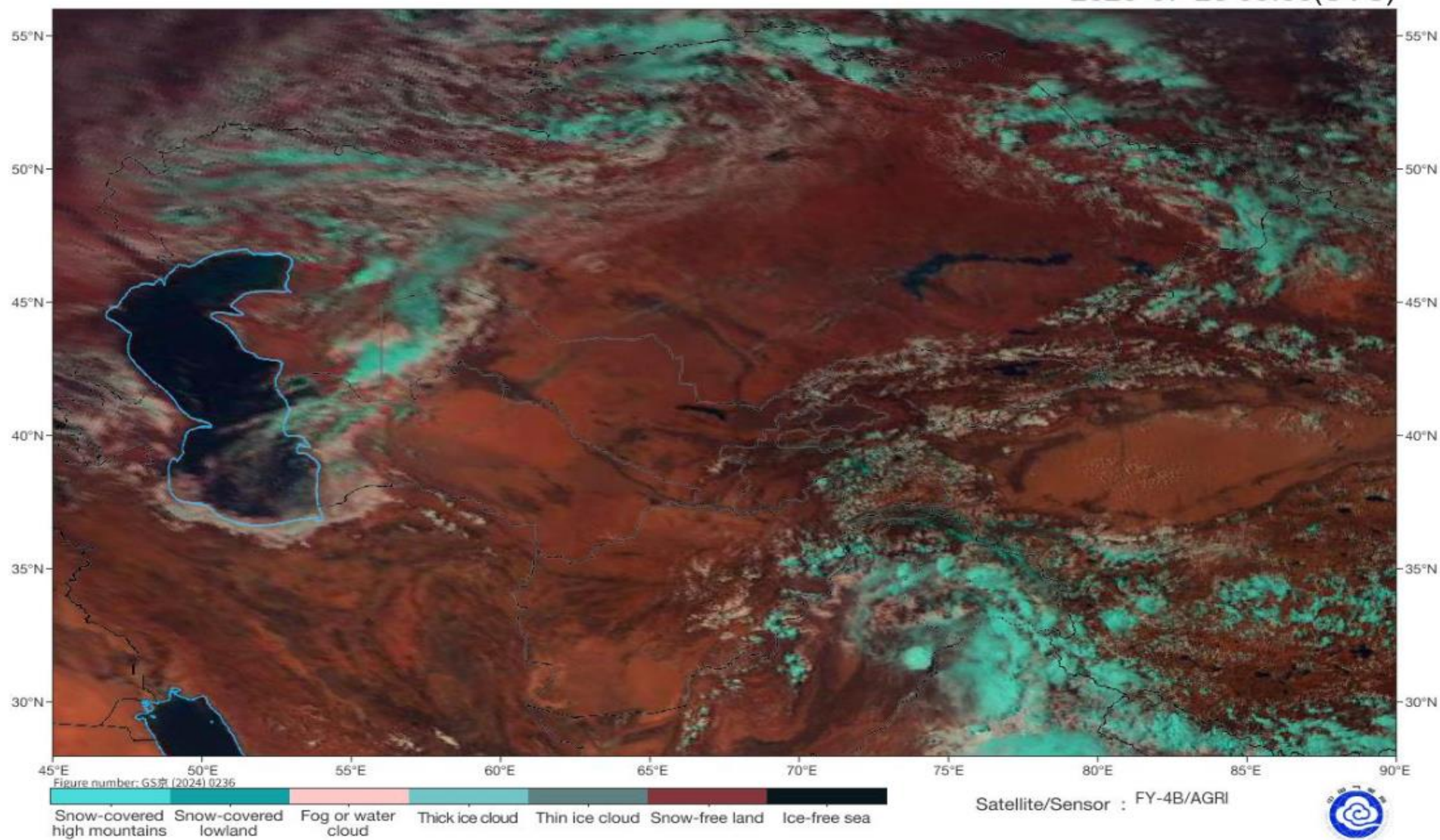
SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

20-07-2026/(0545 to 0612) GMT
20-07-2026/(1115 to 1142) IST



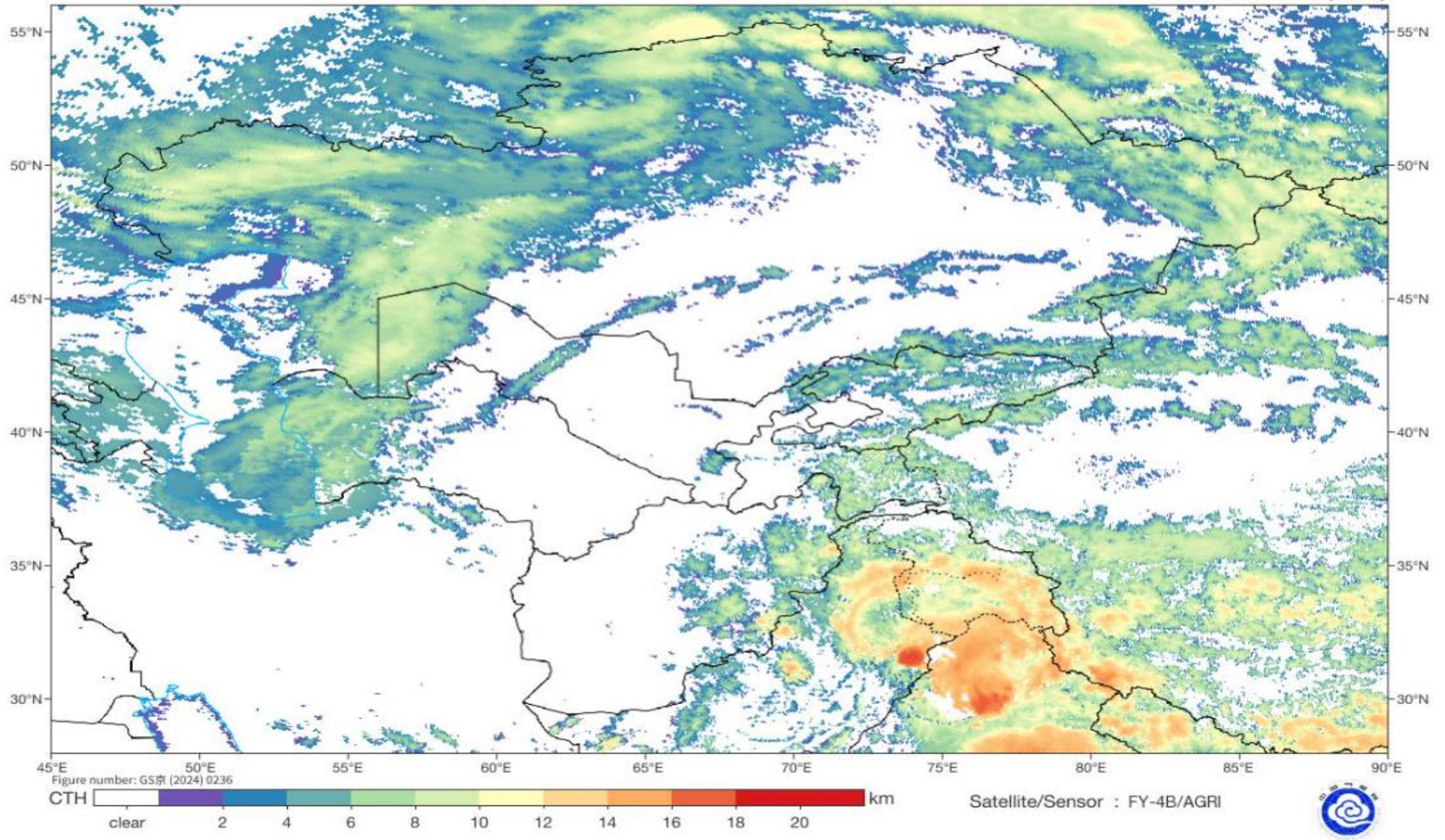
Fog Identification

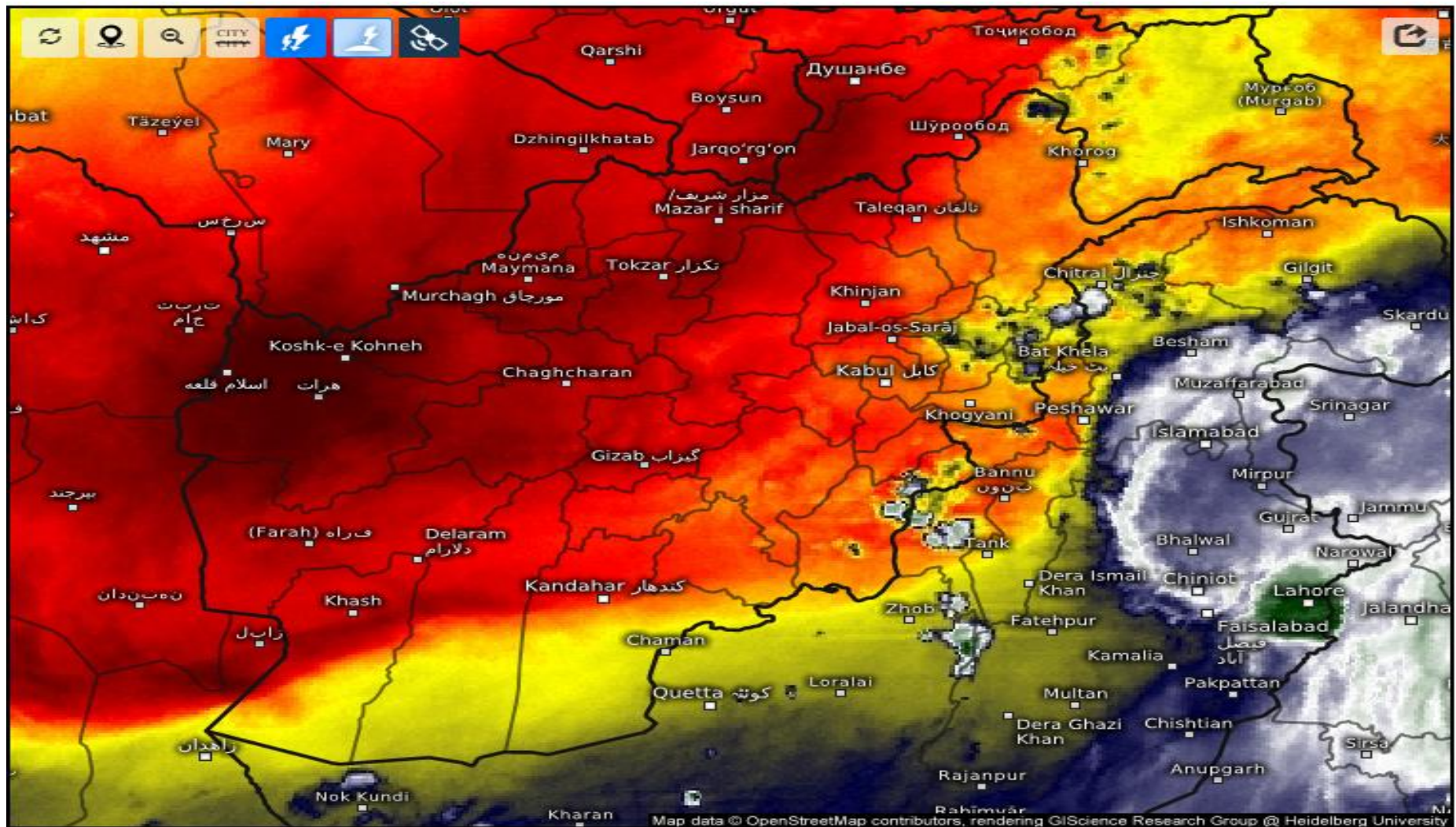
2026-07-20 09:00(UTC)



Cloud Top Height

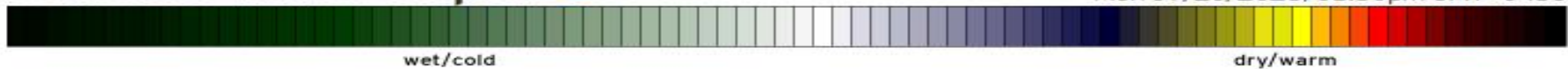
2026-07-20 08:45(UTC)

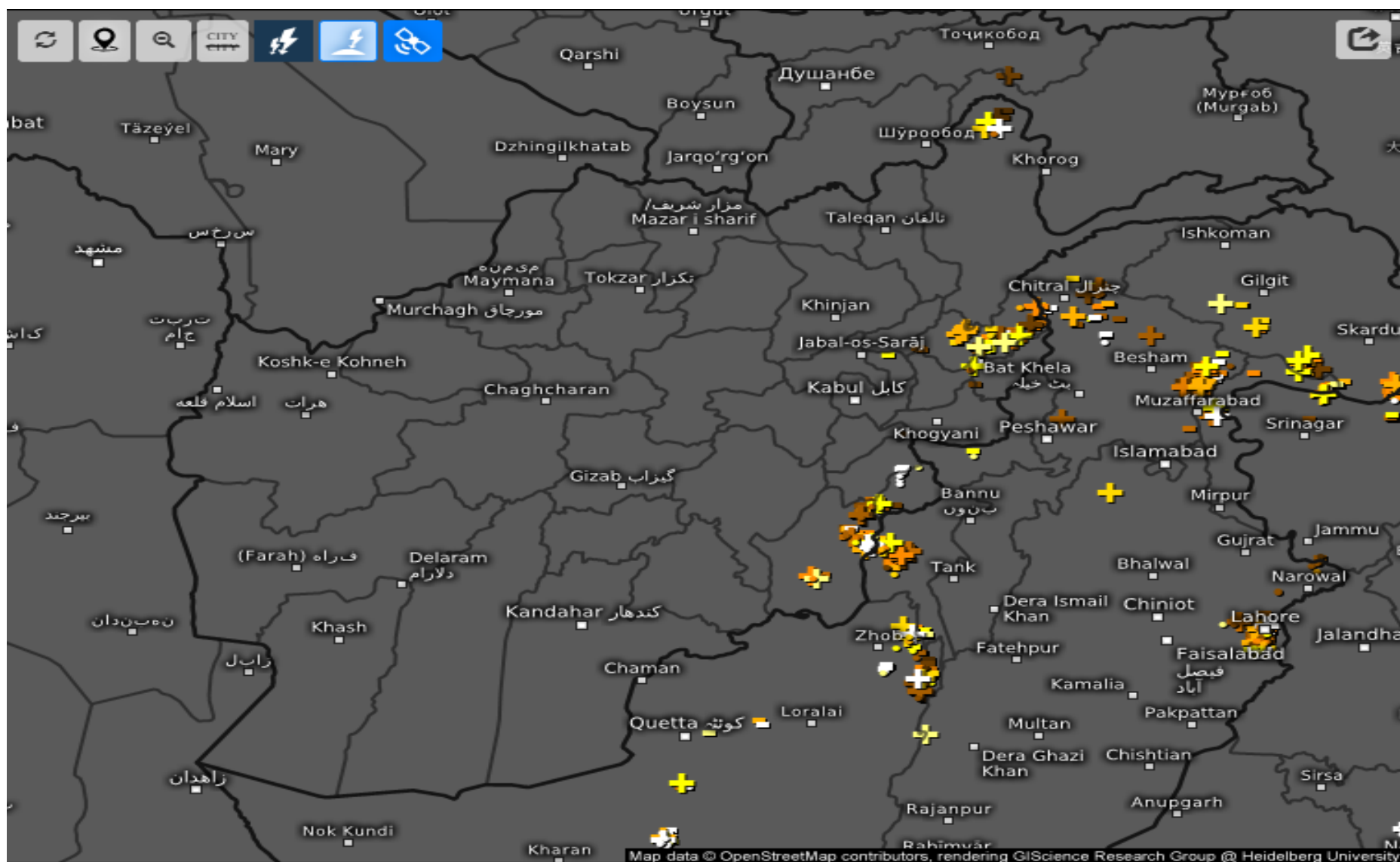




Satellite Water Vapor

Mon 07/20/2026, 01:30pm GMT+0430





Age of lightning (minutes) 

Mon 07/20/2026, 01:45pm GMT+0430

