



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



Daily reports of Satellite imagery analysis. Date & Time: 19/07/2025, 09:00 UTC, Number of reports: 1126

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	√ moderate	X	X	
3	West	✓	✓	X	X	X	√ dry	X	X	
4	East	✓	X	X	✓	X	√ moderate	X	X	
5	central	X	X	X	X	X	√ weak	X	X	
6	Northeast	X	X	X	✓	X	√ moderate	X	X	
7	Southeast	✓	X	X	X	X	√ moderate	X	X	
8	Northwest	✓	✓	X	X	X	√ dry	X	X	
9	Southwest	✓	✓	X	X	X	√ weak	X	X	

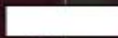
Details: according to satellite imagery analysis the northern, western and northwestern areas have weak worm air mass the southern, eastern, southeastern and southwestern areas have cold air mass. The northern, western, northwestern and southwestern areas have dust. The eastern and northeastern areas have partly cloudy sky. The southern, eastern, northeastern and southeastern areas have moderate water vapor the northern, central and southwestern areas have weak water vapor the western and northwestern areas are dry.

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

Reported by: Mohammad Jawed Moradi

UTC : 2025-07-19 08:45

AirMass



Thick,
high-level cloud



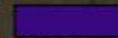
Thick,
mid-level cloud



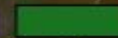
Thick,
low-level cloud



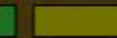
Jet



Cold Airmass



Warm Airmass
(high UTH)

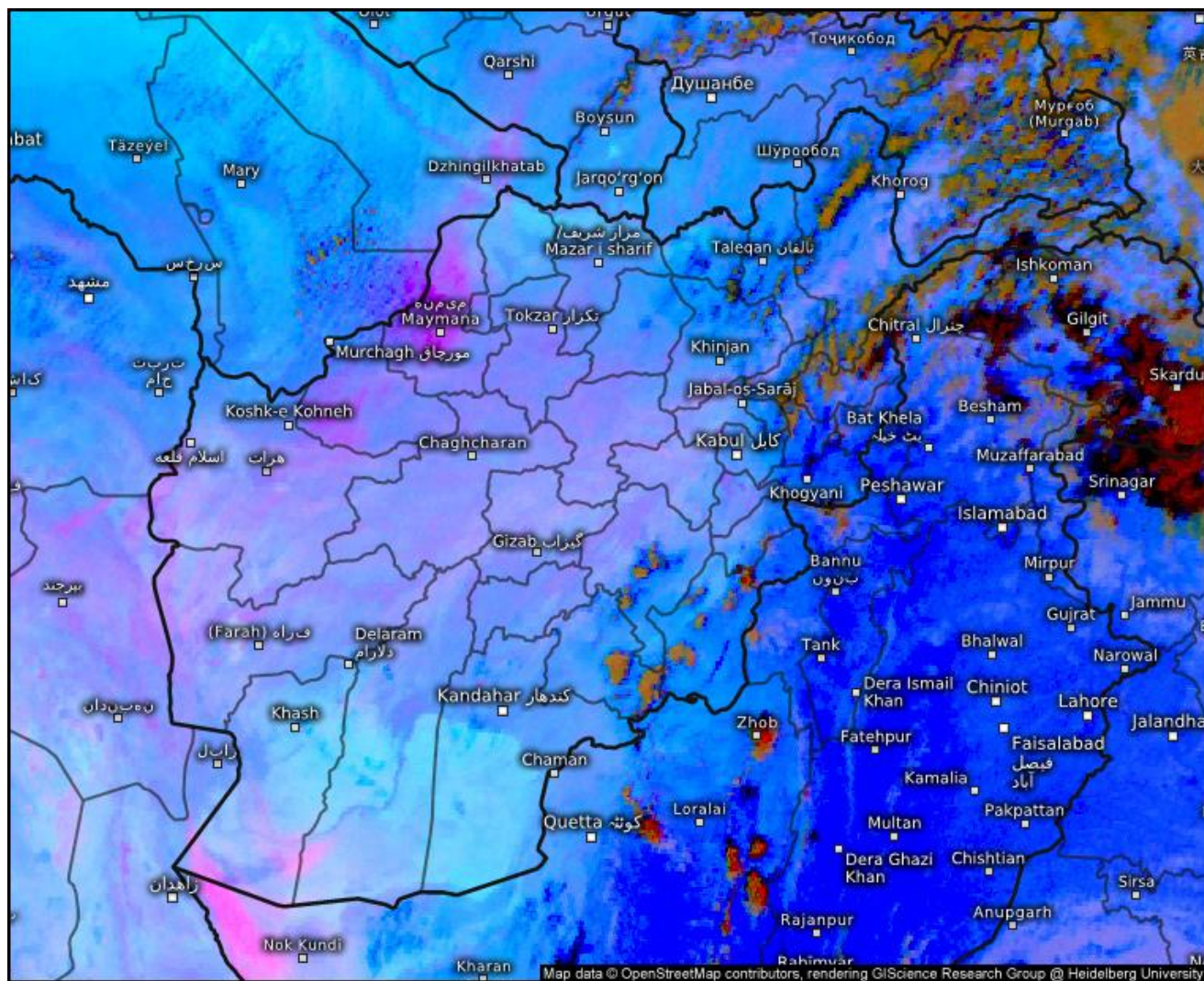


Warm Airmass
(low UTH)

R = WV (6.25) - WV (7.1)
G = IR (8.5) - IR (10.8)
B = WV (6.25)

FY-4B AirMass RGB Composite (From WMO)





Satellite Dust

Sat 07/19/2025, 01:30pm GMT+0430

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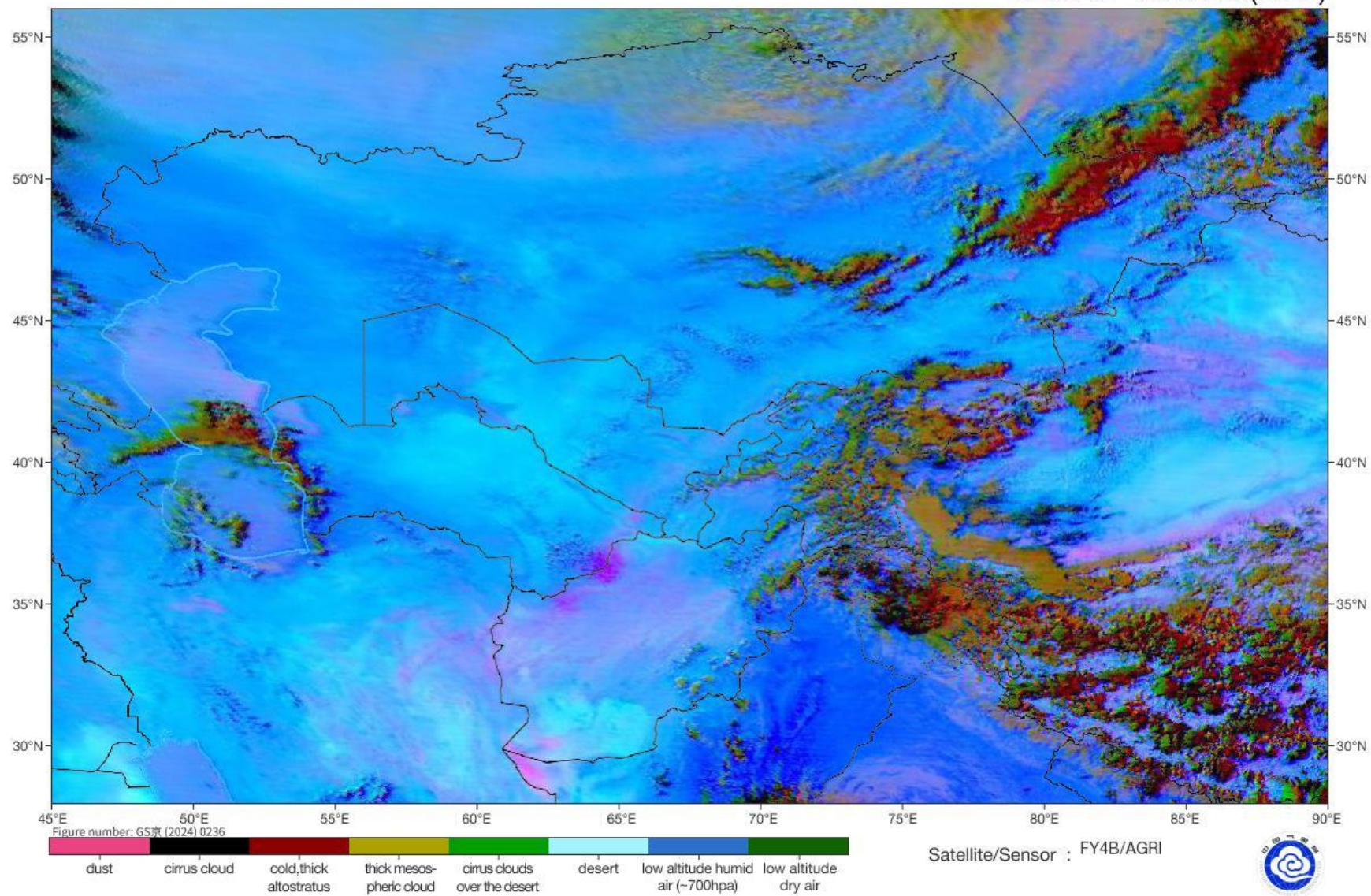
Afghanistan

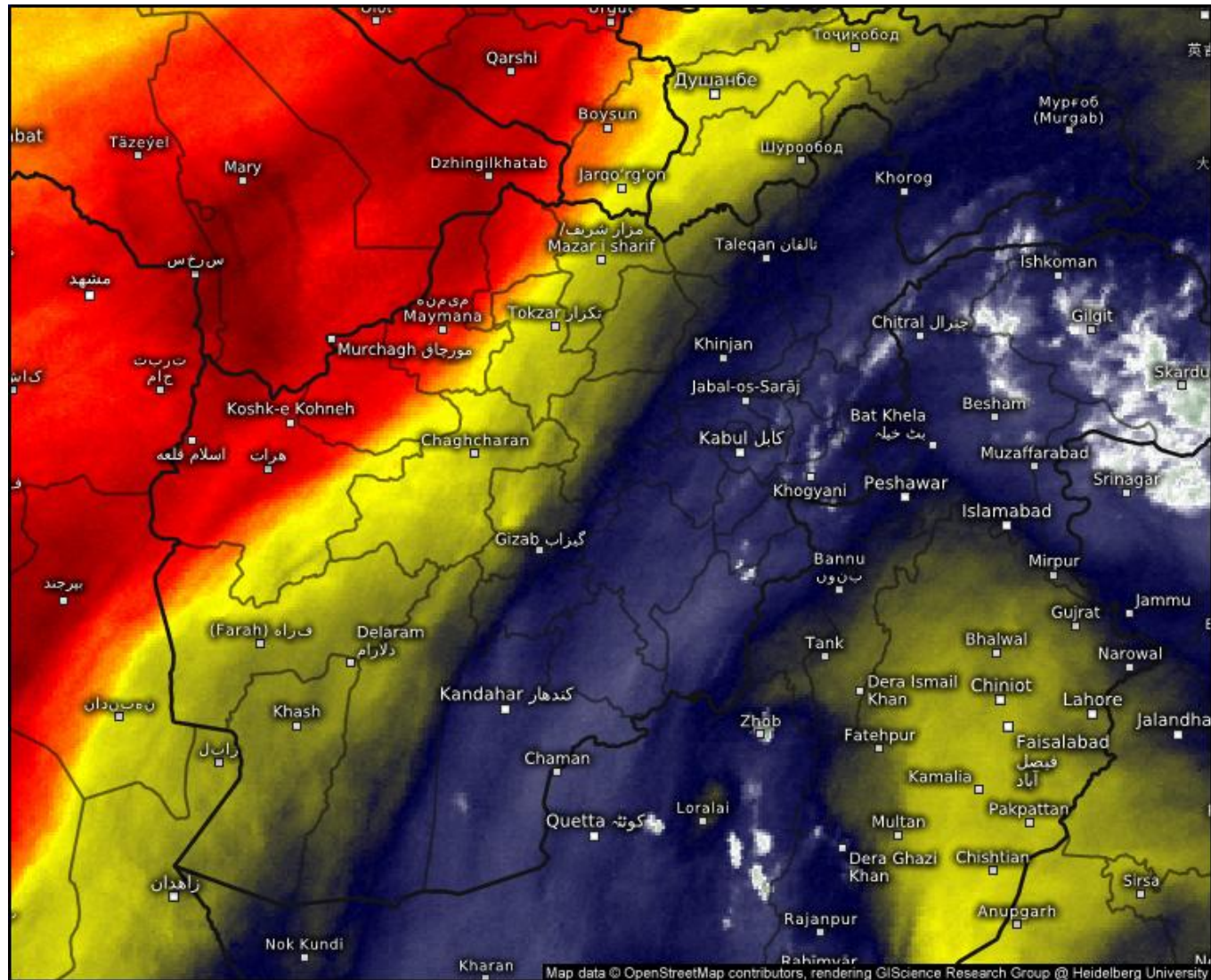
meteologix.com

Satellite data: EUMETSAT

Sand And Dust Identification

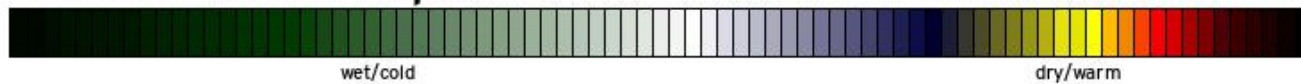
2025-07-19 09:00(UTC)





Satellite Water Vapor

Sat 07/19/2025, 01:30pm GMT+0430



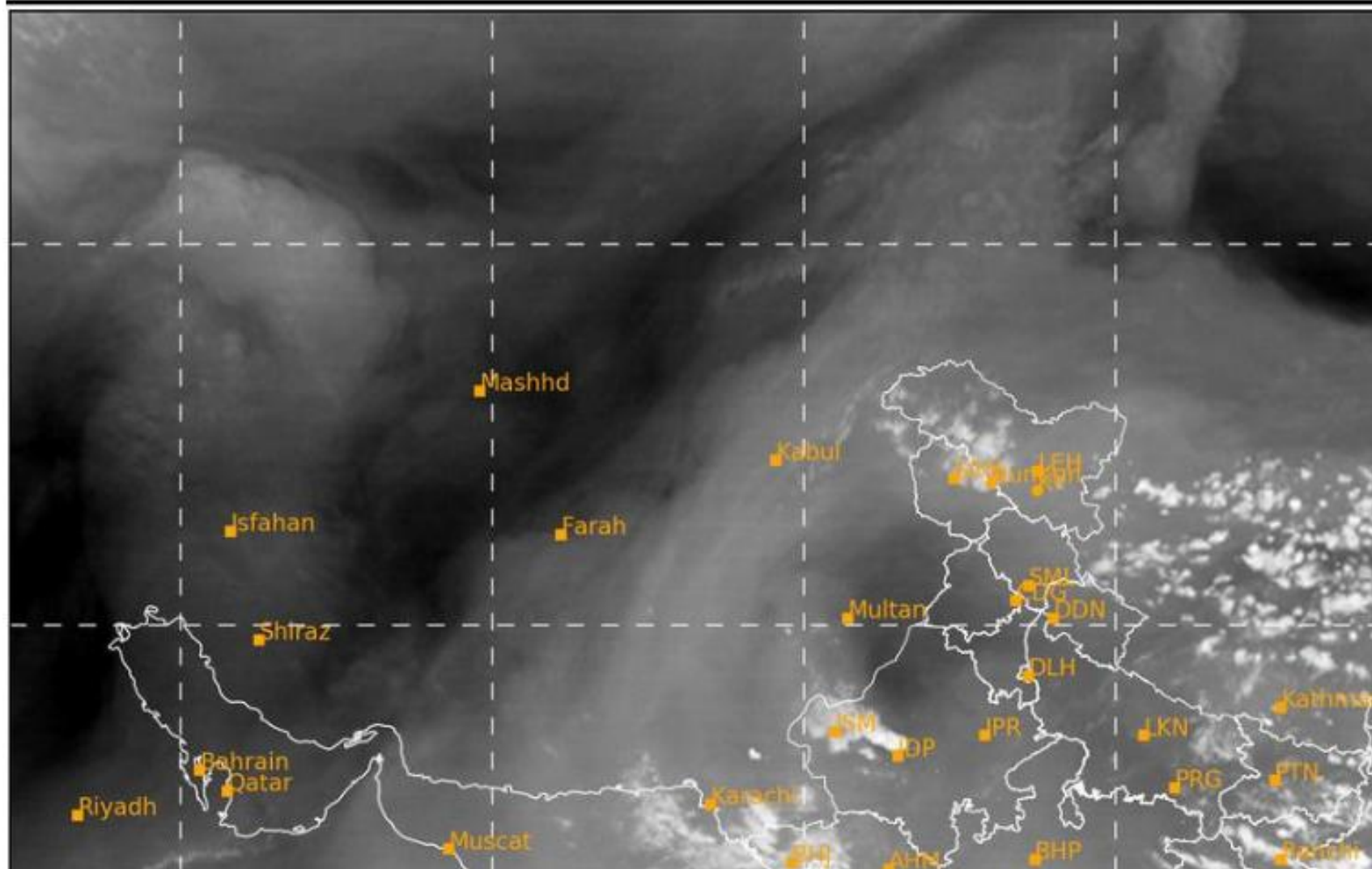
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Afghanistan

meteologix.com

Satellite data: EUMETSAT

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

19-07-2025/(0745 to 0812) GMT
19-07-2025/(1315 to 1342) IST



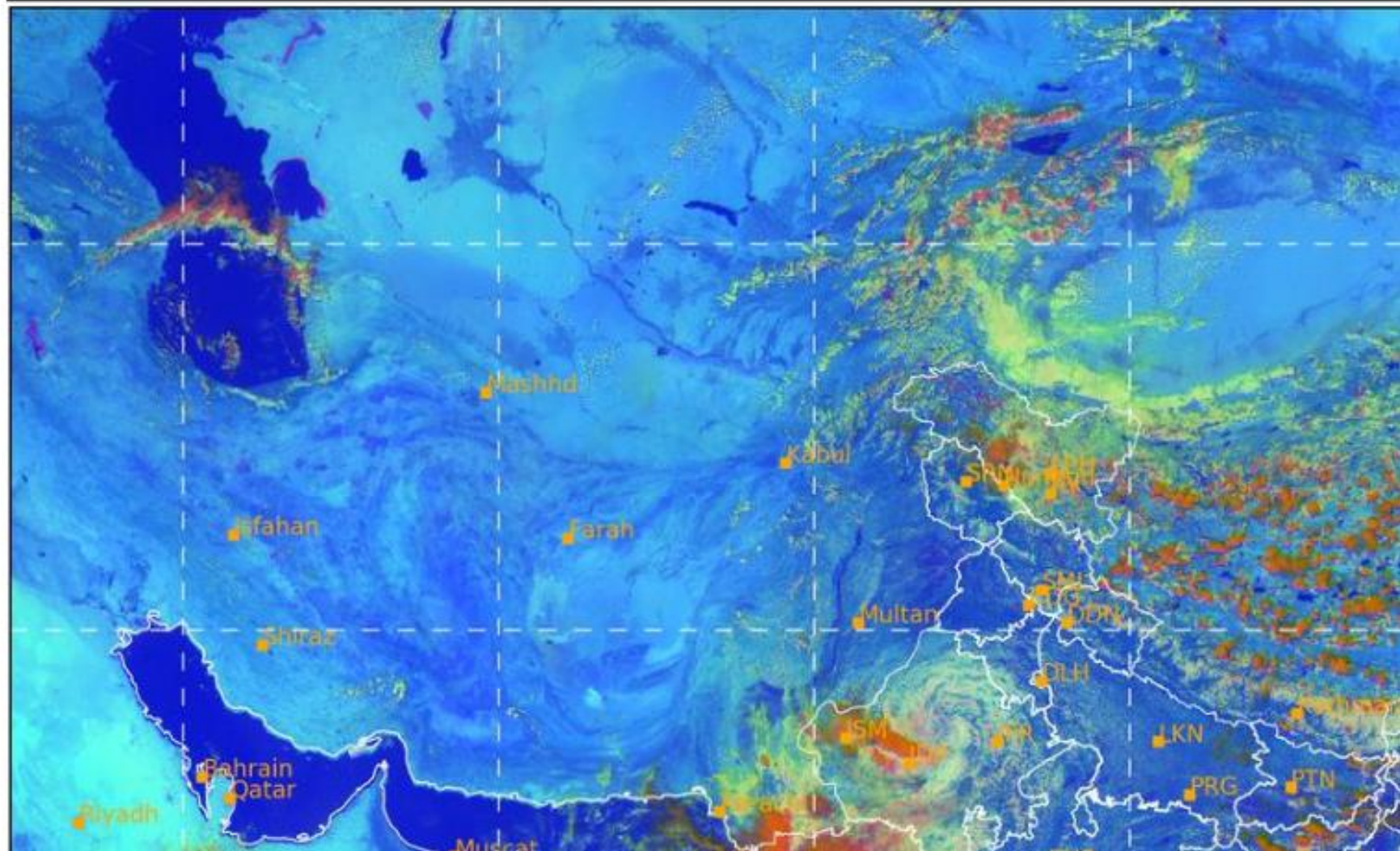
SAT : INSAT-3DR IMG

19-07-2025/(0745 to 0812) GMT

Day Microphysics: VIS_REFL (R), SWIR_REFL (G), TIR1_BT (B)

L1C Mercator

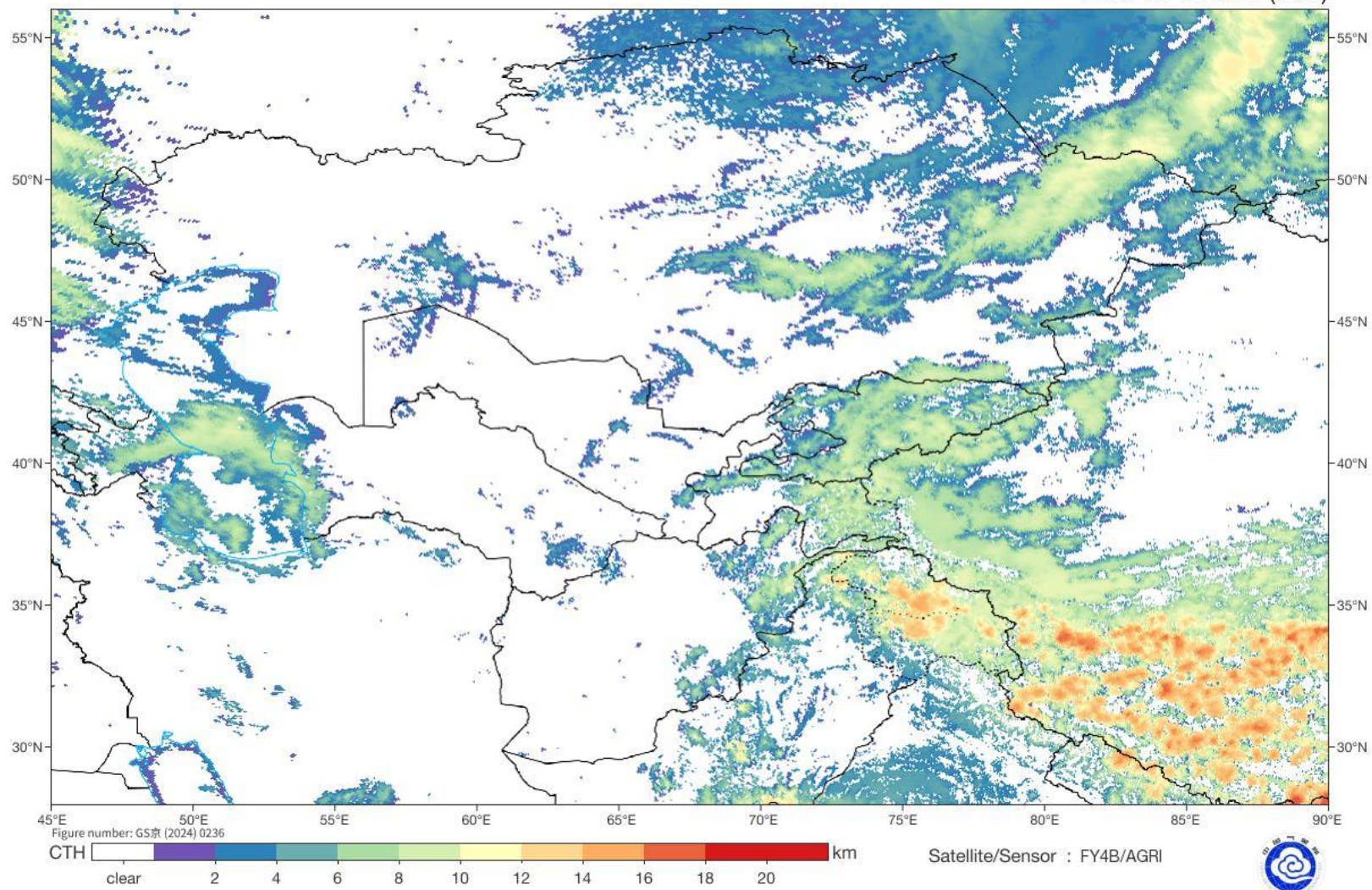
19-07-2025/(1315 to 1342) IST





Cloud Top Height

2025-07-19 08:45(UTC)



SAT : INSAT-3DR IMG
Visible Count 0.65 um
L1C Mercator

19-07-2025/(0745 to 0812) GMT
19-07-2025/(1315 to 1342) IST

