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

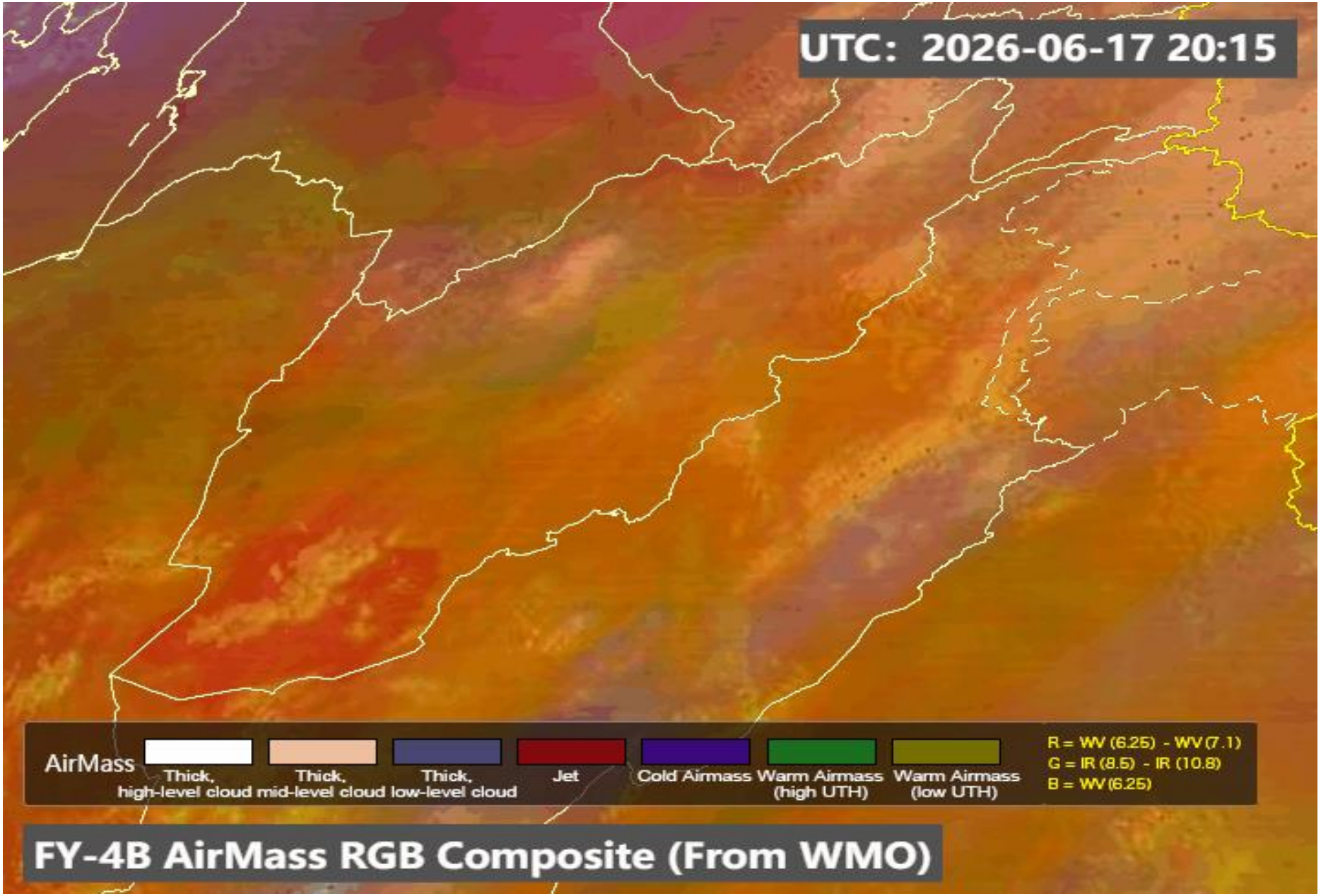
Daily reports of Satellite imagery analysis. Date & Time: 18-06-2026, 06:00 UTC

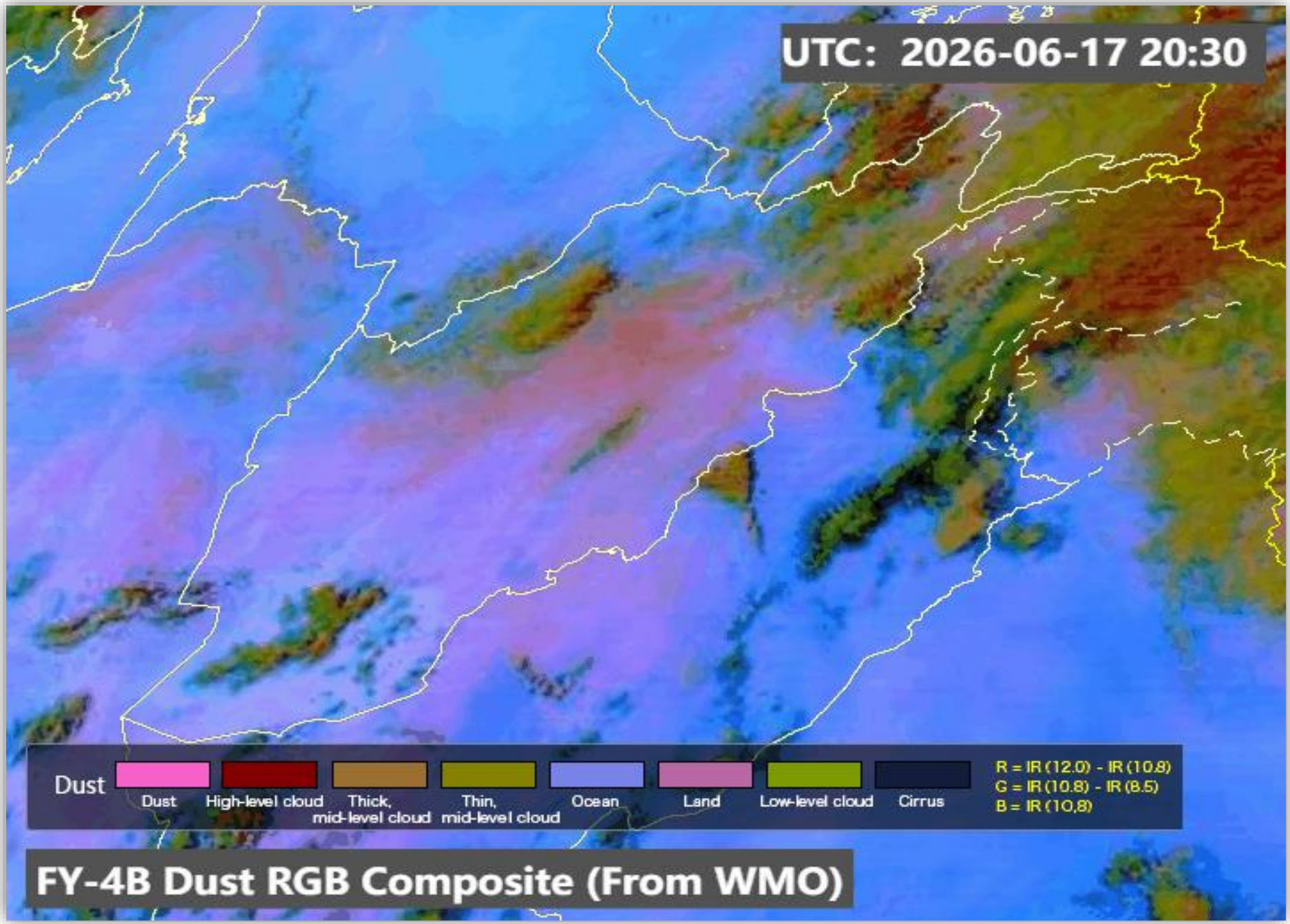
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	✓	✓	X	✓ weak	X	X	
2	South	✓	X	X	✓	X	✓ Dry/warm	X	X	
3	West	✓	light	X	X	X	✓ Dry/warm	X	X	
4	East	✓	X	✓	✓	X	✓ weak	X	X	
5	central	✓	light	X	✓	X	✓ weak	X	X	
6	Northeast	✓	X	✓	✓	✓	✓ moderate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

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

Not: X (Not existing phenomena) √ (existing phenomena)

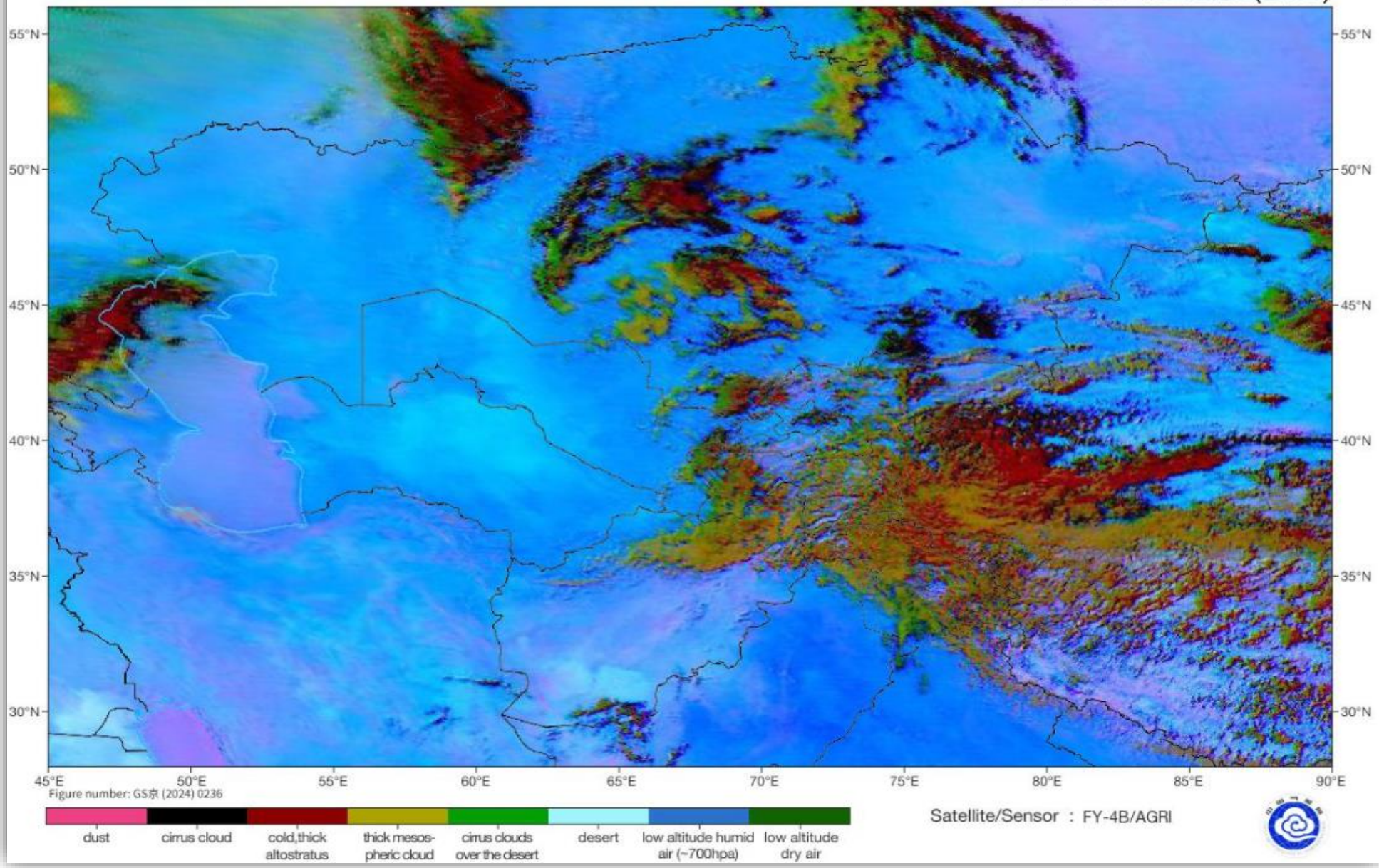
Reported by: Esmatullah Mohammadi


UTC: 2026-06-17 20:15
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 (8.5) - IR (10.8)
B = WV (6.25)
FY-4B AirMass RGB Composite (From WMO)


UTC: 2026-06-17 20:30
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)

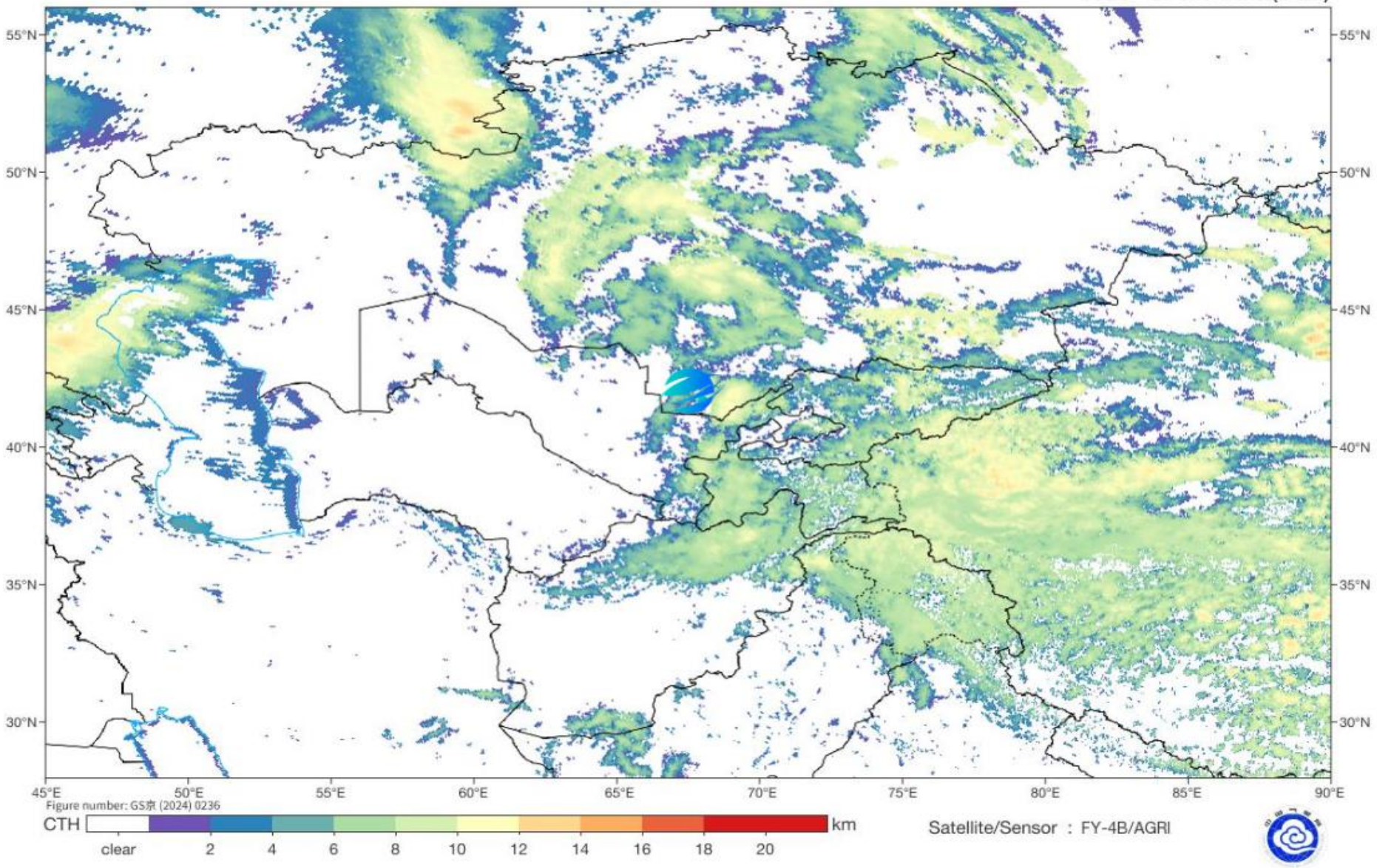
Sand And Dust Identification

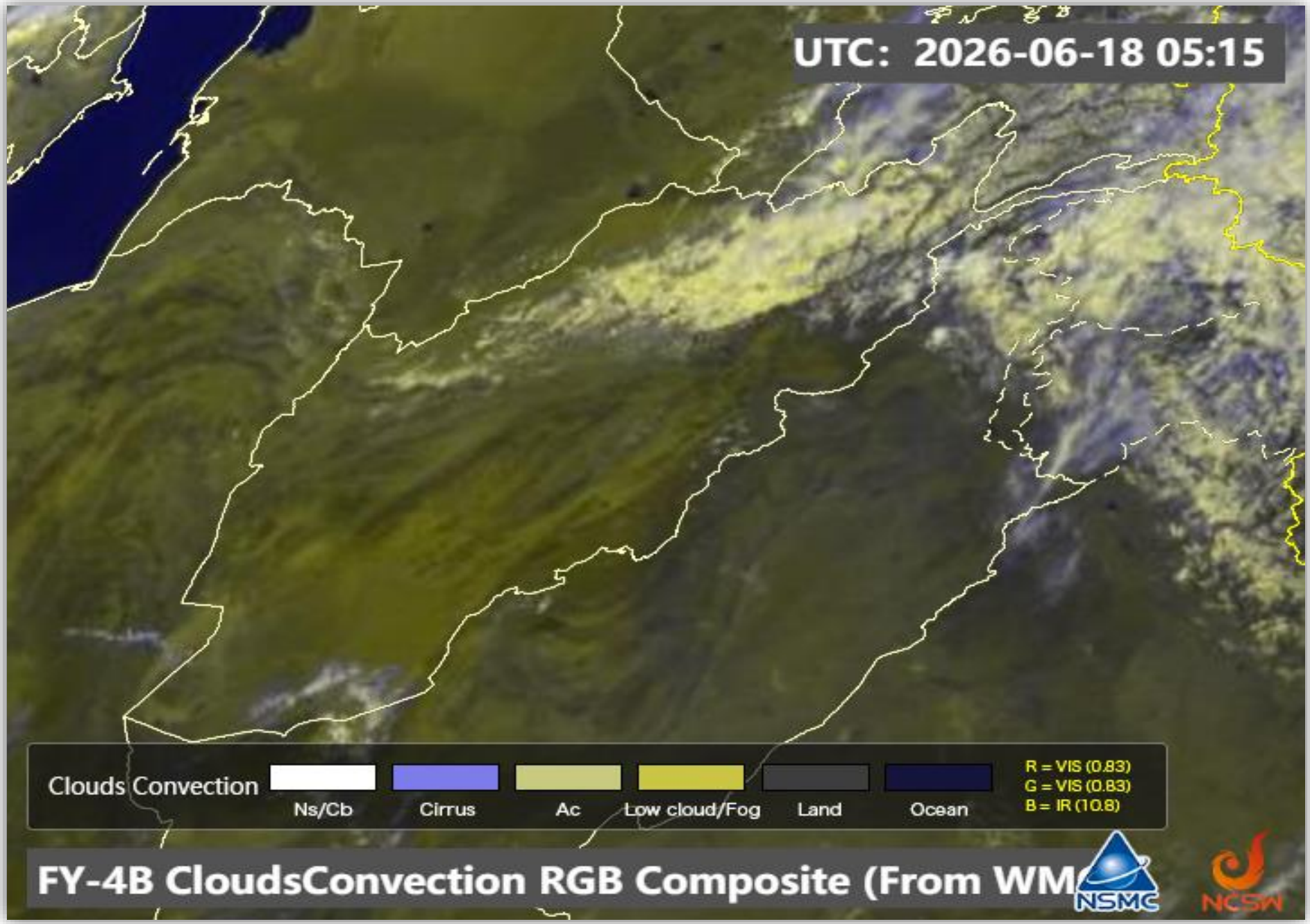
2026-06-18 05:30(UTC)

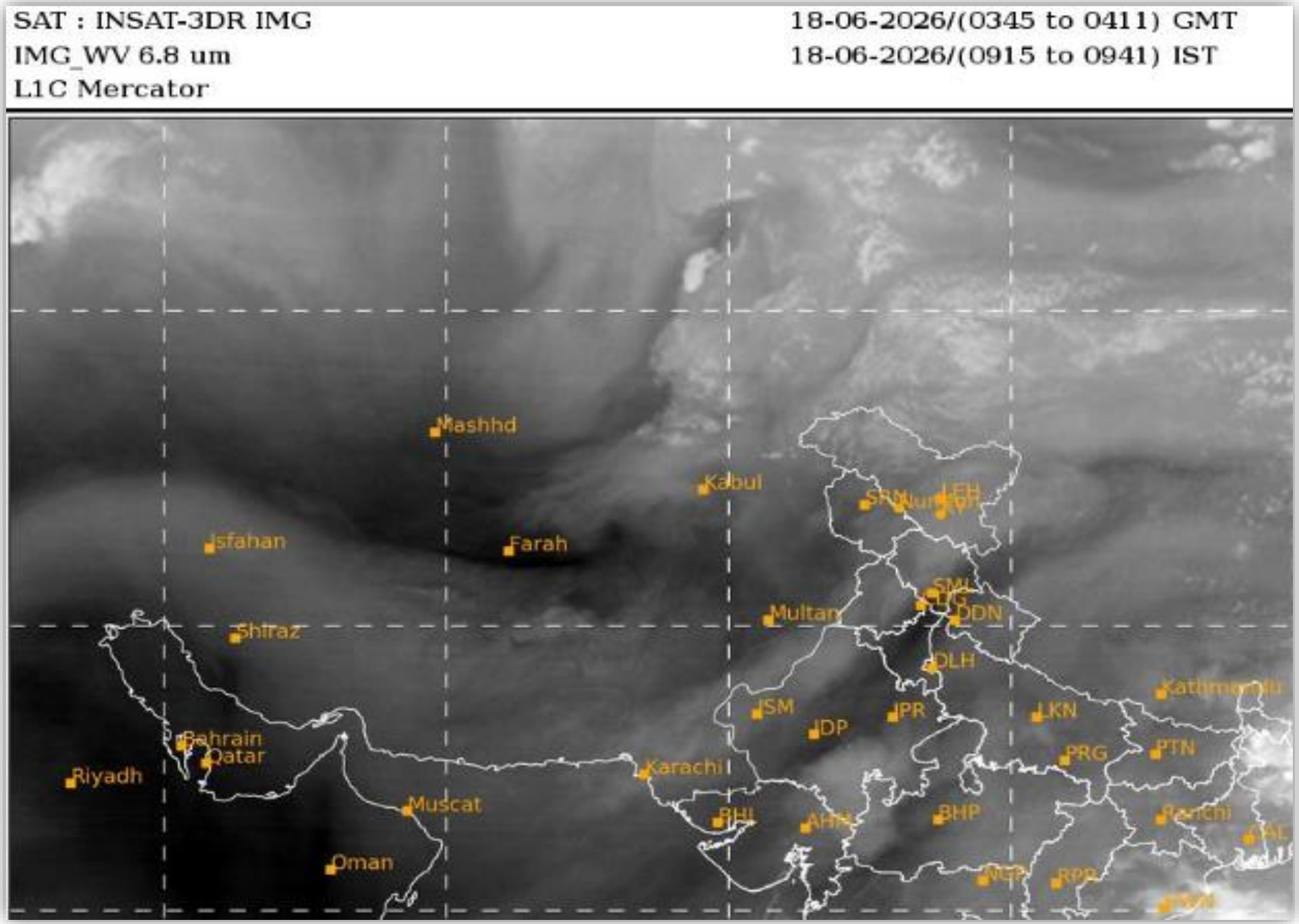


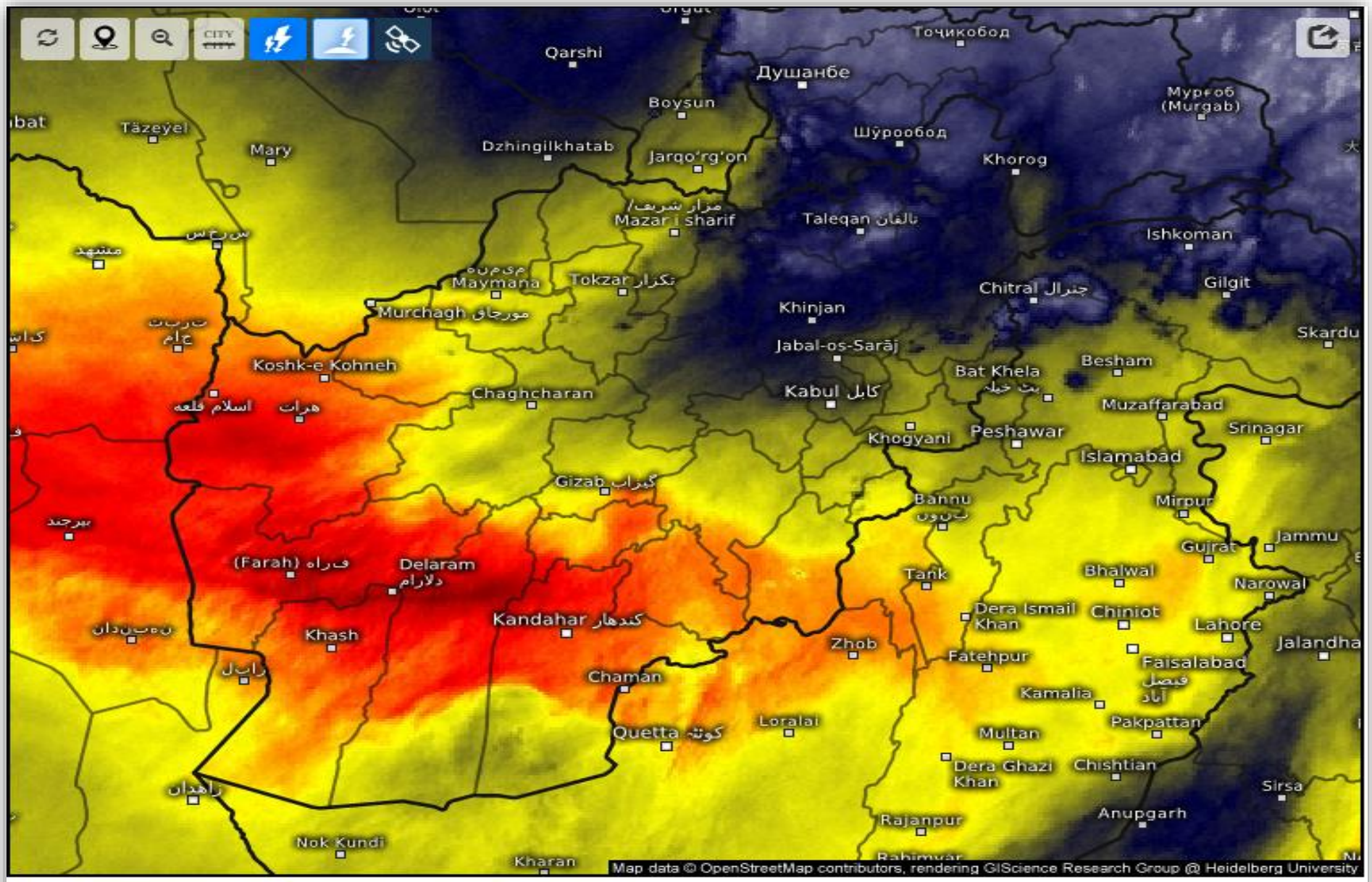
Cloud Top Height

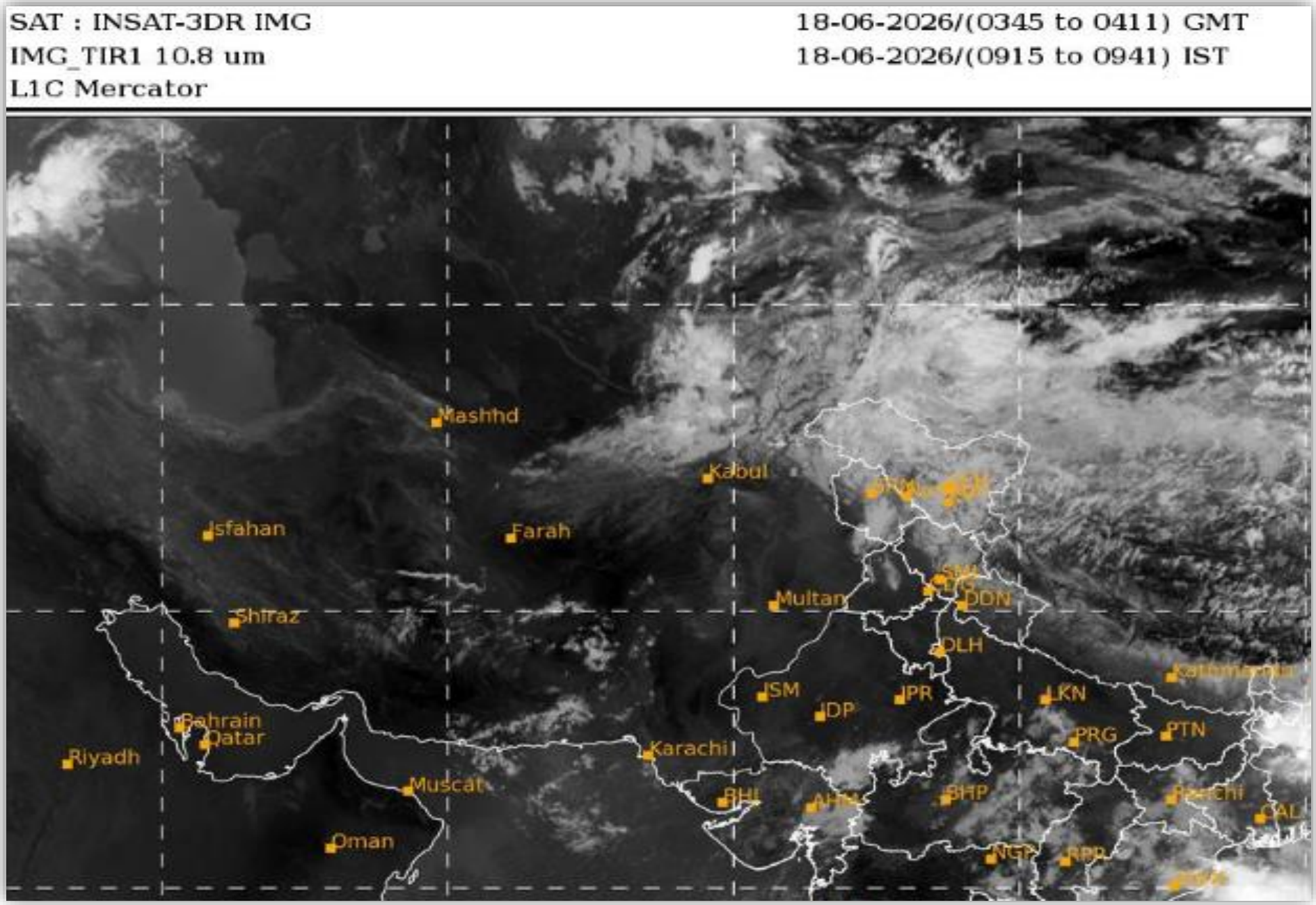
2026-06-18 05:30(UTC)




UTC: 2026-06-18 05:15
Clouds Convection
Ns/Cb
Cirrus
Ac
Low cloud/Fog
Land
Ocean
R = VIS (0.83)
G = VIS (0.83)
B = IR (10.8)
FY-4B CloudsConvection RGB Composite (From WM
NSMC
NCSW

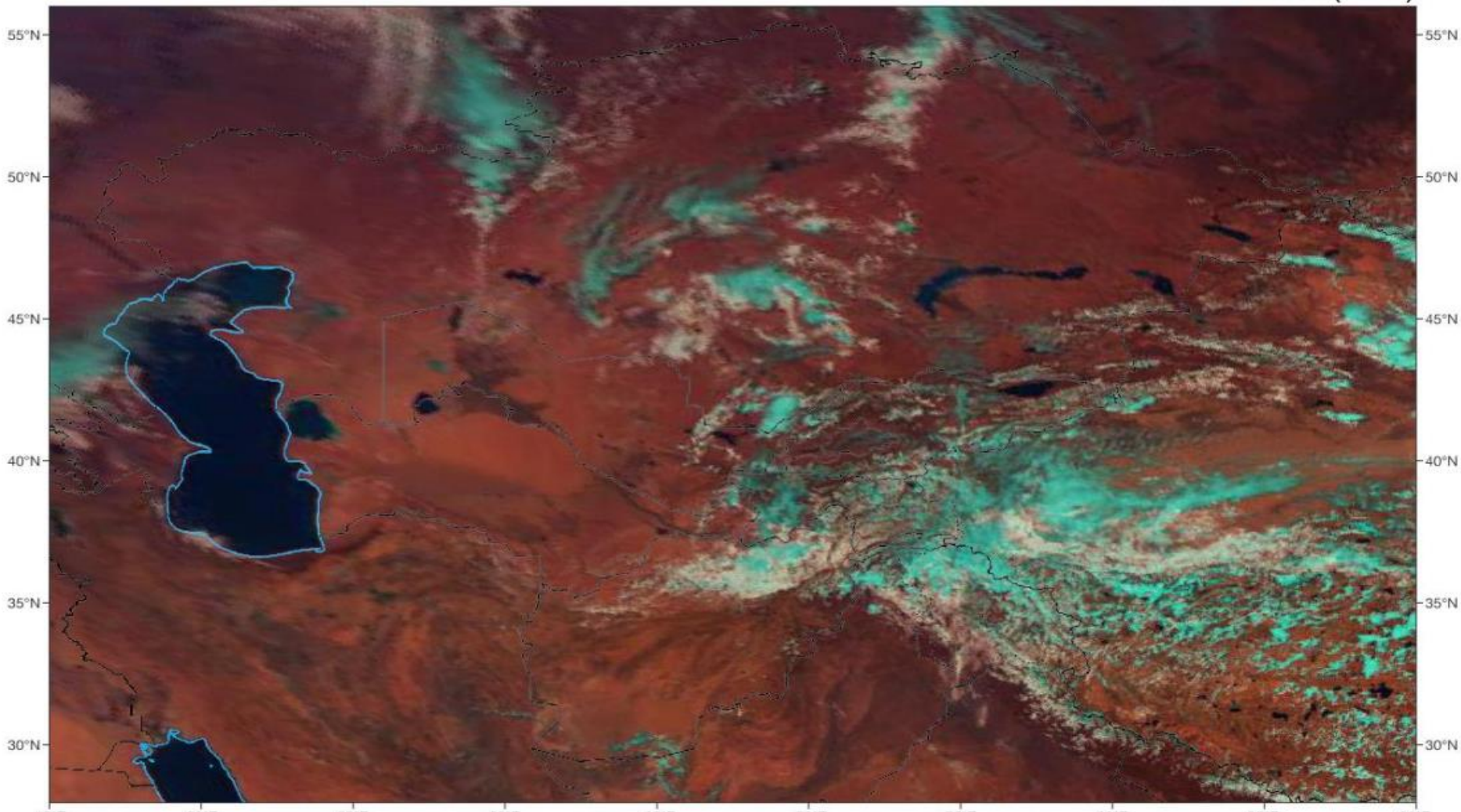

SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator
18-06-2026/(0345 to 0411) GMT
18-06-2026/(0915 to 0941) IST
Mashhd
Kabul
Isfahan
Farah
Shiraz
Multan
DDN
DLH
ISM
DP
PR
LKN
PRG
PTN
Bahrain
Qatar
Riyadh
Karachi
Muscat
BHJ
AHM
BHP
Oman

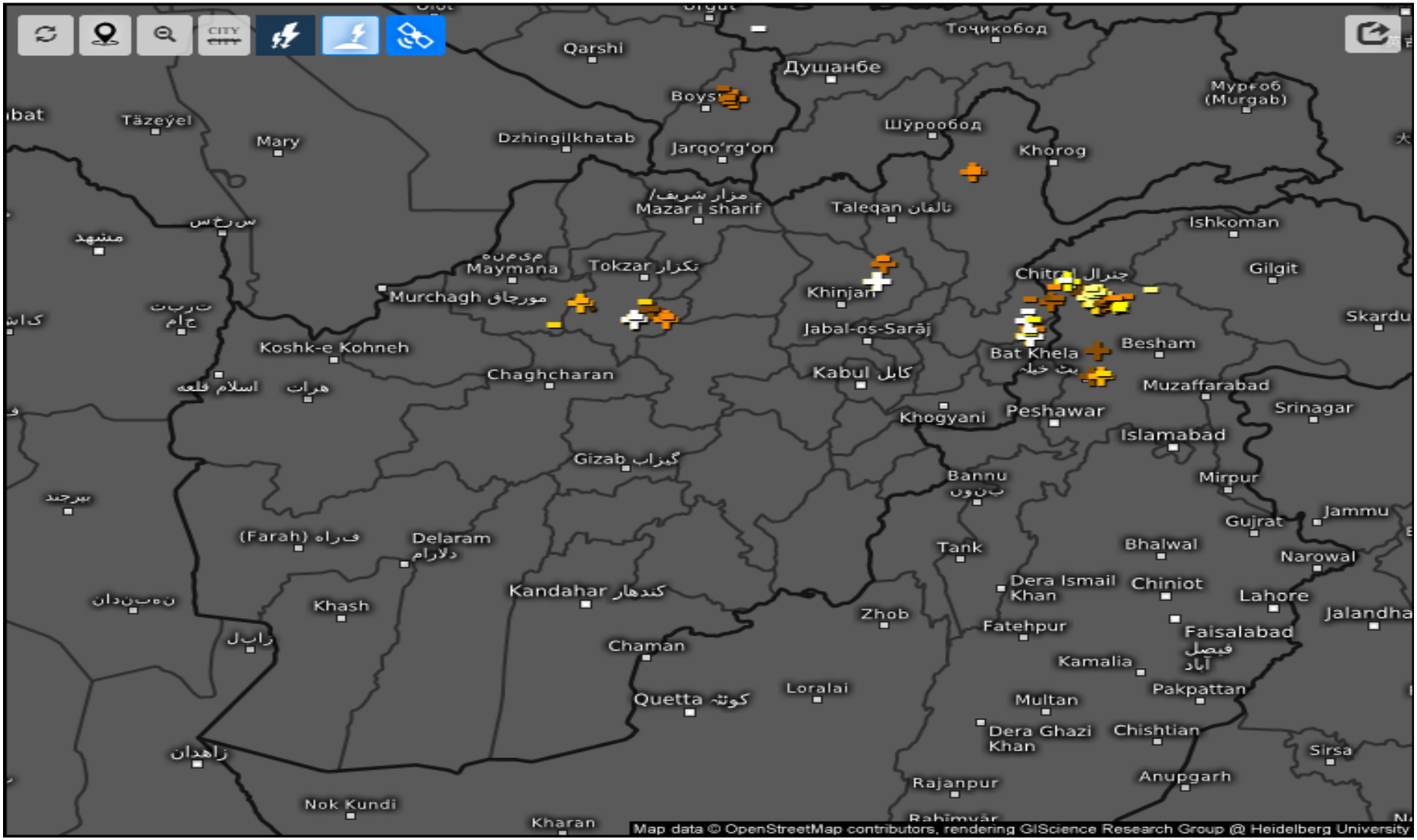

Точикобод
Душанбе
Qarshi
Boysun
Мурғоб (Murgab)
Шӯрообод
Dzhingilkhatab
Jarqo'rg'on
Khorog
Taleqan تالقان
Mazar i sharif
Ishkoman
Tokzar تکزار
Chitral چترال
Gilgit
Khinjan
Murchagh مورچاق
Skardu
Jabal-os-Saraj
Besham
Bat Khela
Koshk-e Kohneh
Kabul کابل
Chaghcharan
Muzaffarabad
Srinagar
Khogyani
Peshawar
Islamabad
Gizab گیزاب
Bannu
Mirpur
Jammu
Gujrat
(Farah) فراه
Delaram
Tank
Bhalwal
Narowal
Dera Ismail Khan
Chiniot
Lahore
Kandahar کندهار
Khash
Zhob
Jalandha
Fatehpur
Faisalabad
Chaman
Kamalia
Loralai
Pakpattan
Quetta کوئٹه
Multan
Dera Ghazi Khan
Chishtian
Sirsa
Anupgarh
Rajanpur
Nok Kundi
Kharan
Map data © OpenStreetMap contributors, rendering GIScience Research Group @ Heidelberg University
Satellite Water Vapor
Thu 06/18/2026, 10:00am GMT+0430
wet/cold
dry/warm


SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator
18-06-2026/(0345 to 0411) GMT
18-06-2026/(0915 to 0941) IST
Mashhd
Kabul
Isfahan
Farah
Shiraz
Multan
DDN
DLH
ISM
DP
PR
LKN
PRG
PTN
Bahrain
Qatar
Riyadh
Karachi
Muscat
BHJ
AHM
BHP
Ranchi
CAL
Oman
NGP
RPR

Fog Identification

2026-06-18 05:30(UTC)





Age of lightning (minutes)

Thu 06/18/2026, 10:10am GMT+0430

0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60