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

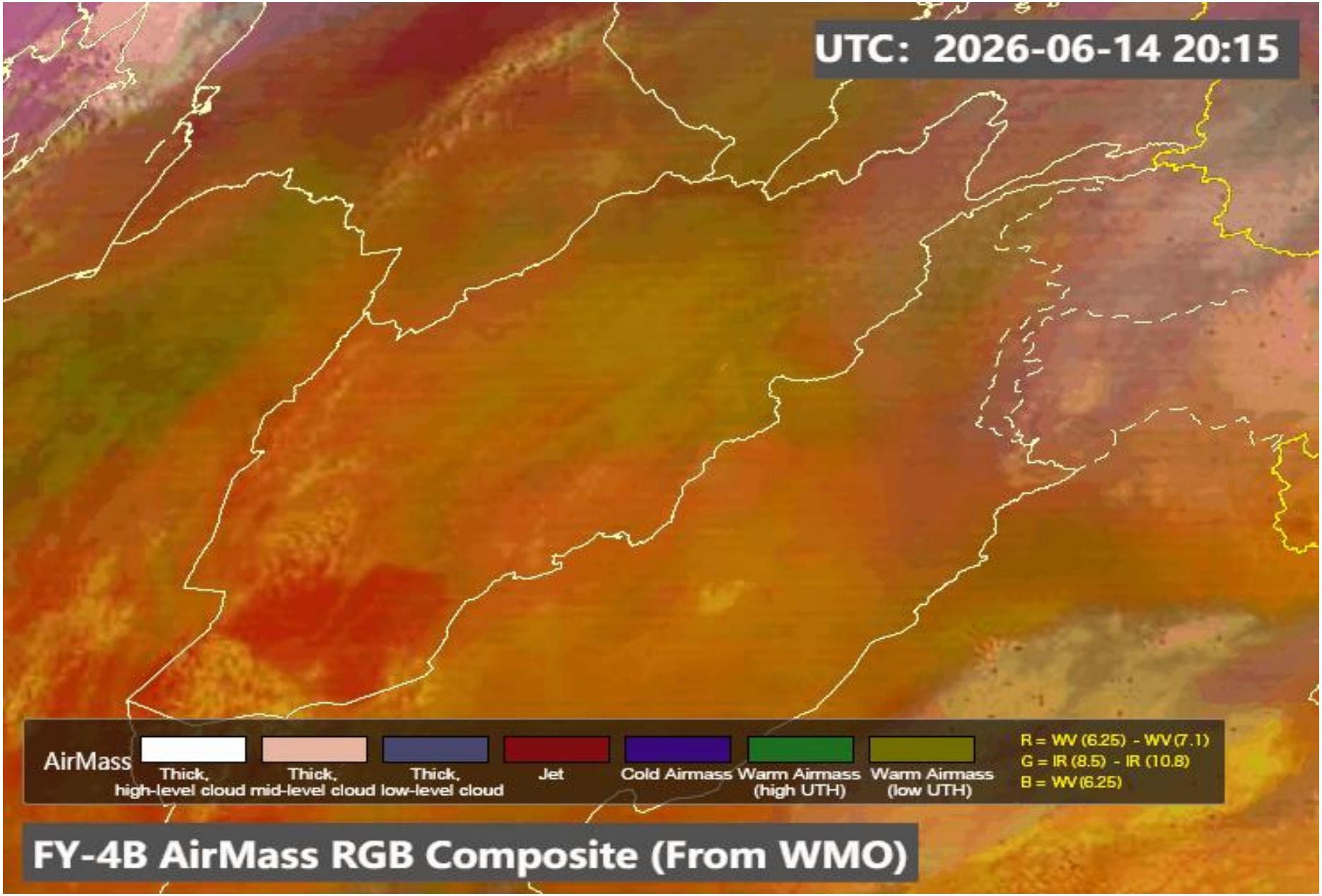
Daily reports of Satellite imagery analysis. Date & Time: 15-06-2026, 06:00 UTC

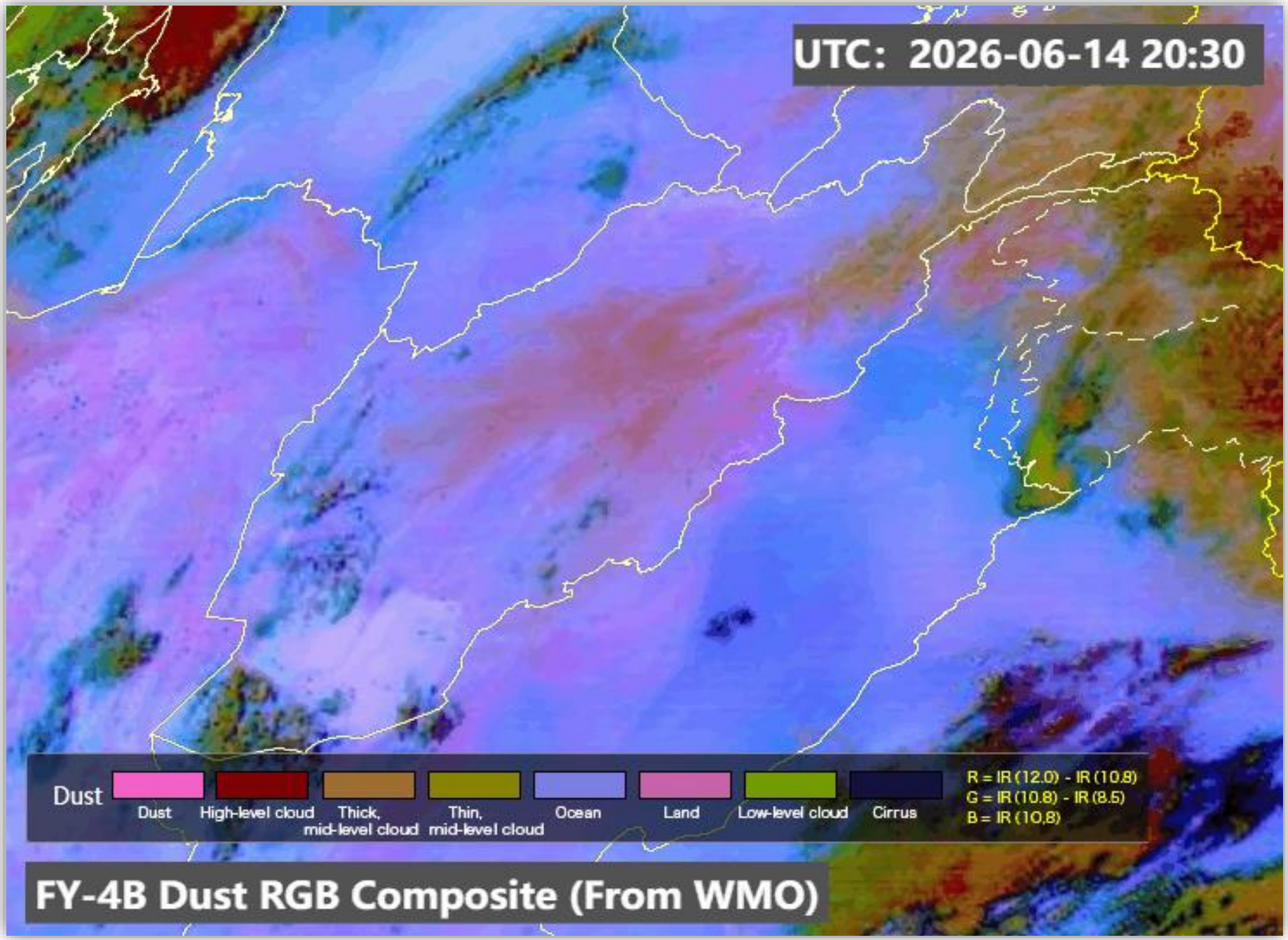
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	X	X	X	✓ weak	X	X	
2	South	✓	X	X	X	X	✓ weak	X	✓	
3	West	✓	X	X	✓	X	✓ weak	X	X	
4	East	✓	X	X	✓	X	✓ weak	X	X	
5	central	✓	light	X	X	X	✓ weak	X	X	
6	Northeast	✓	X	X	✓	X	✓ weak	X	X	
7	Southeast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

Details: **According to satellite imagery analysis, the all-regions have a warm air mass with (Low UTH). The central and northwestern regions have light dust. The western, eastern, northeastern and southwestern regions have cloudy skies. The all-regions have weak water vapor, with the exception of northwestern regions have dry/warm water vapor. The southern and southwestern regions have Jetstream.**

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

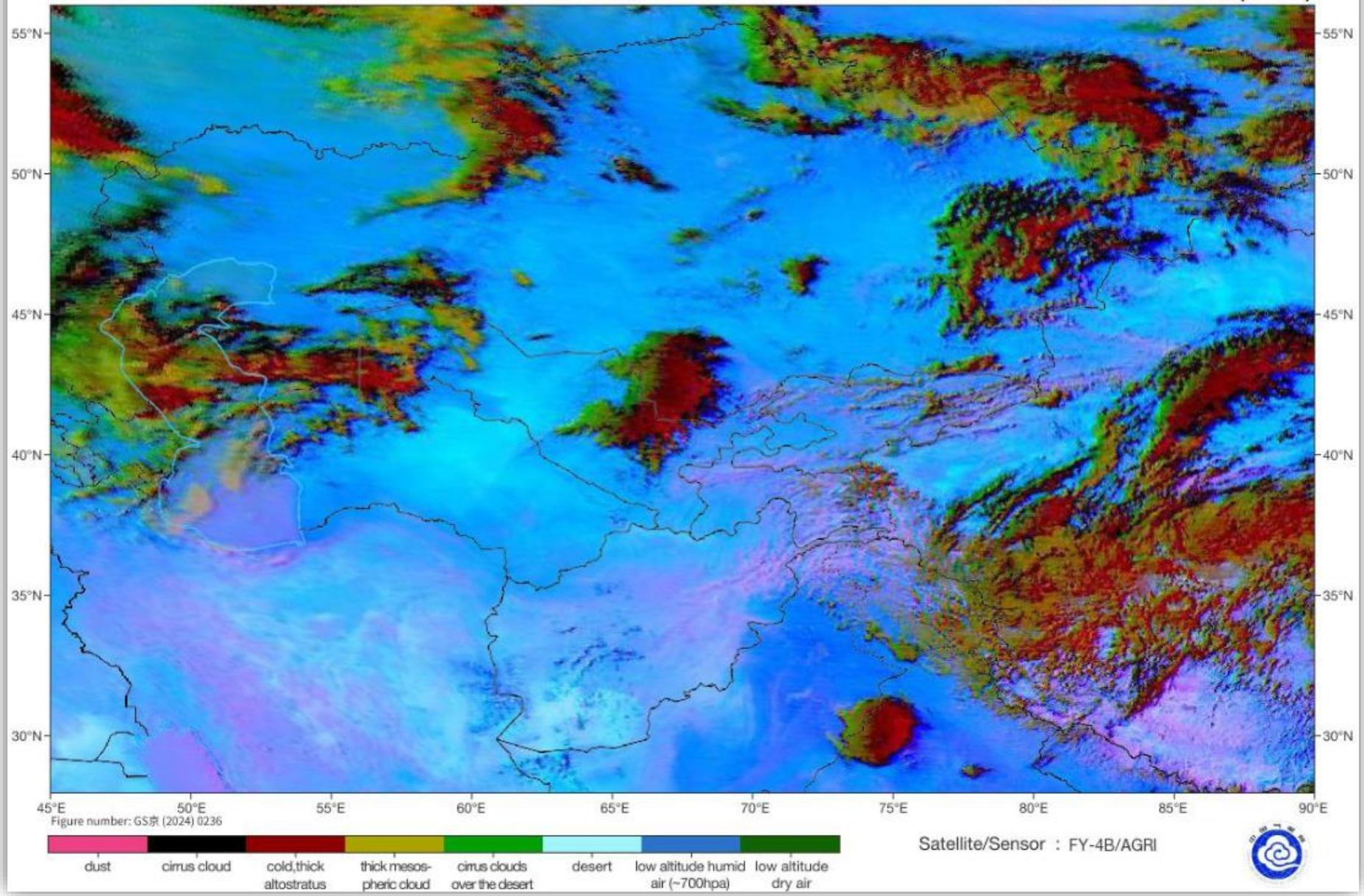
Reported by: Esmatullah Mohammadi


UTC: 2026-06-14 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: 2026-06-14 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)

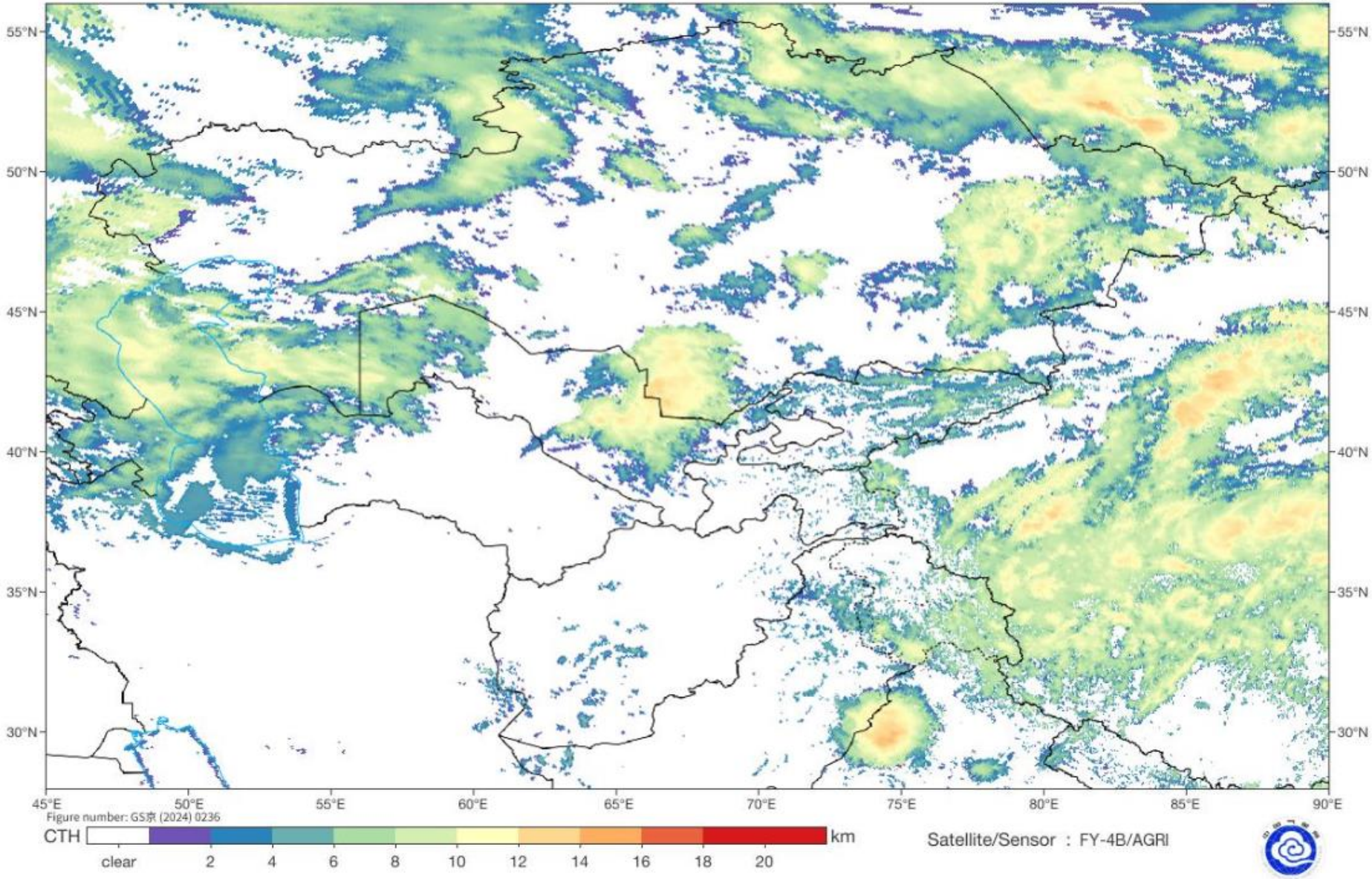
Sand And Dust Identification

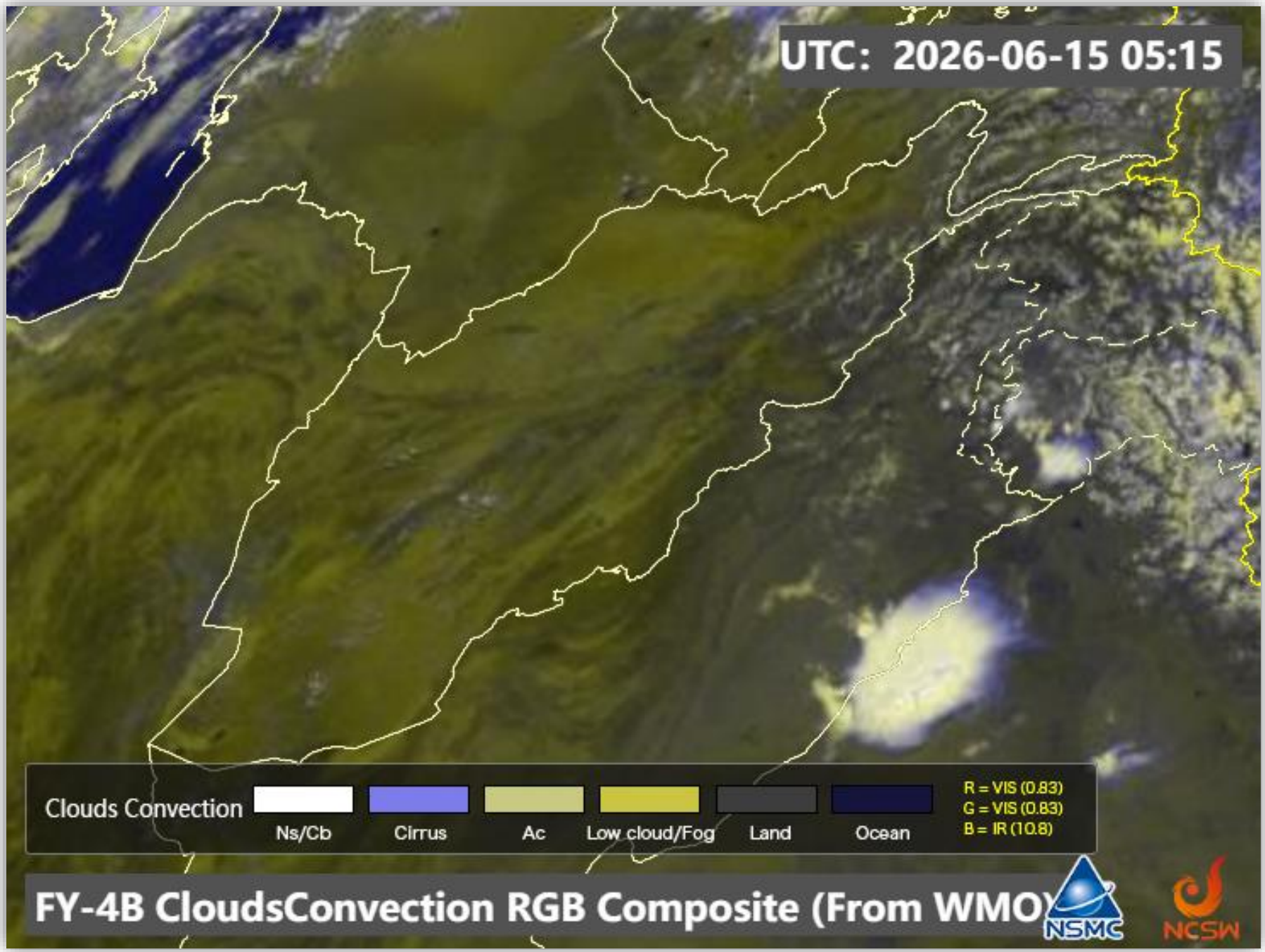
2026-06-15 05:30(UTC)

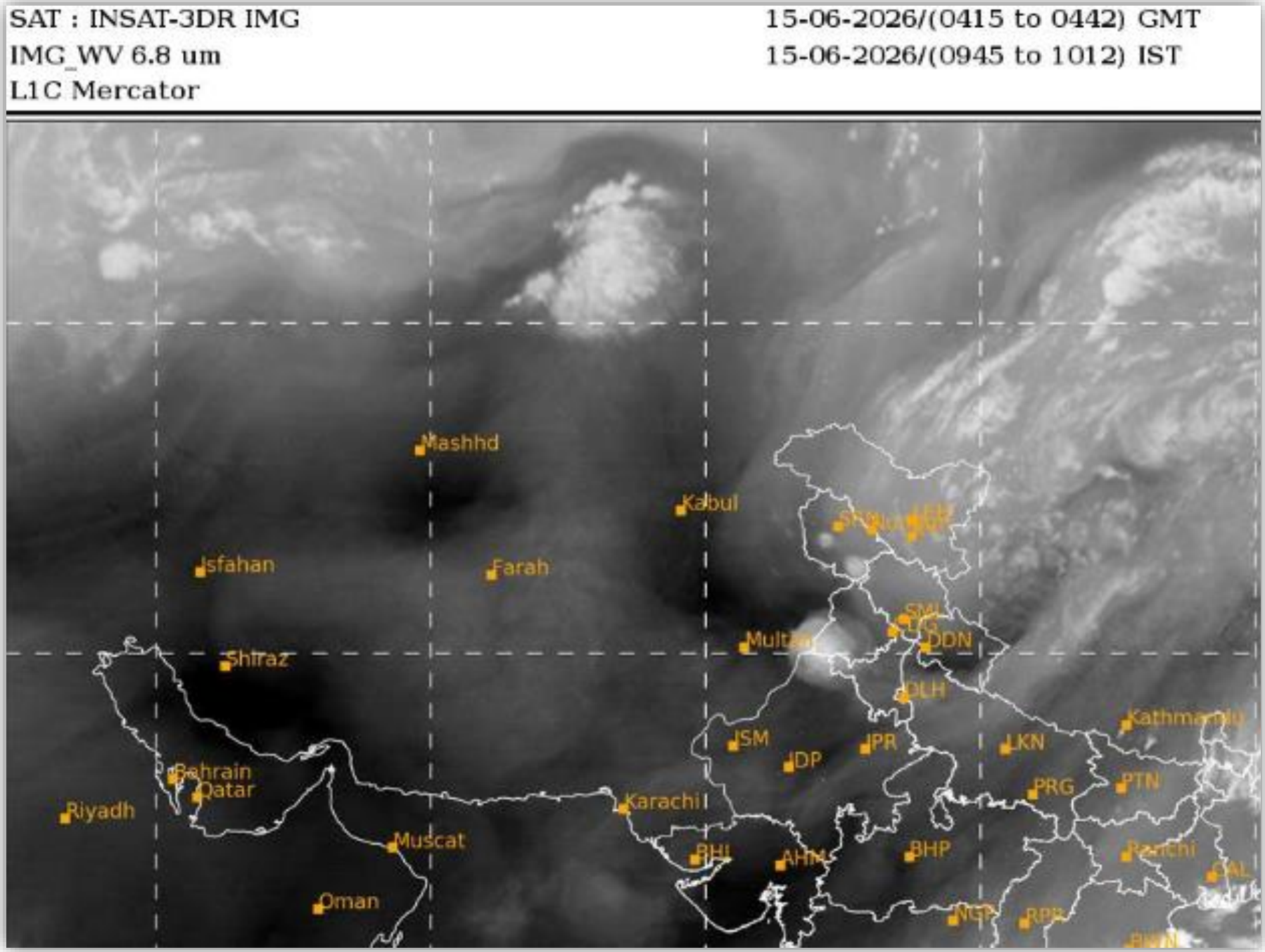


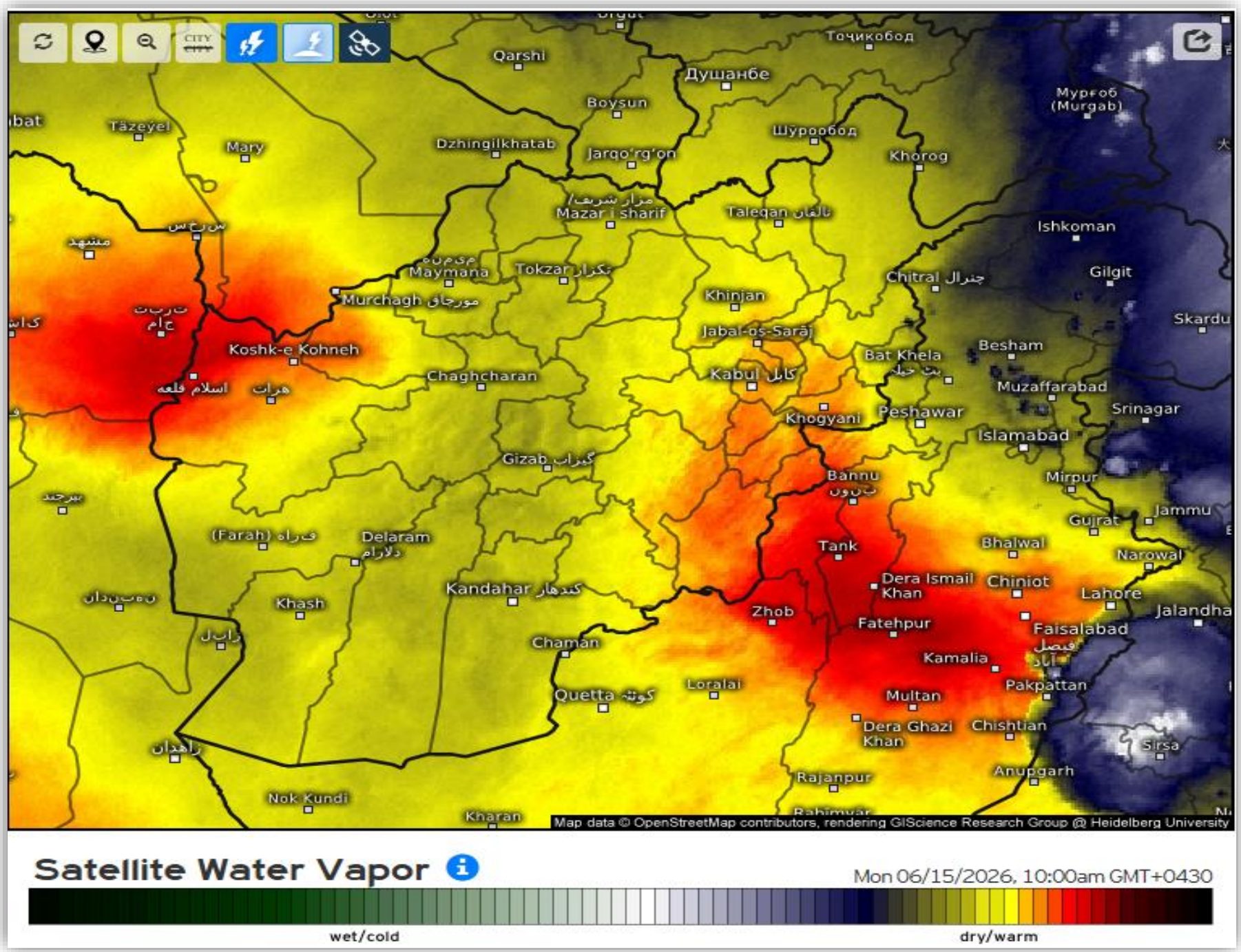
Cloud Top Height

2026-06-15 05:30(UTC)




UTC: 2026-06-15 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 WMO)
NSMC
NCSW

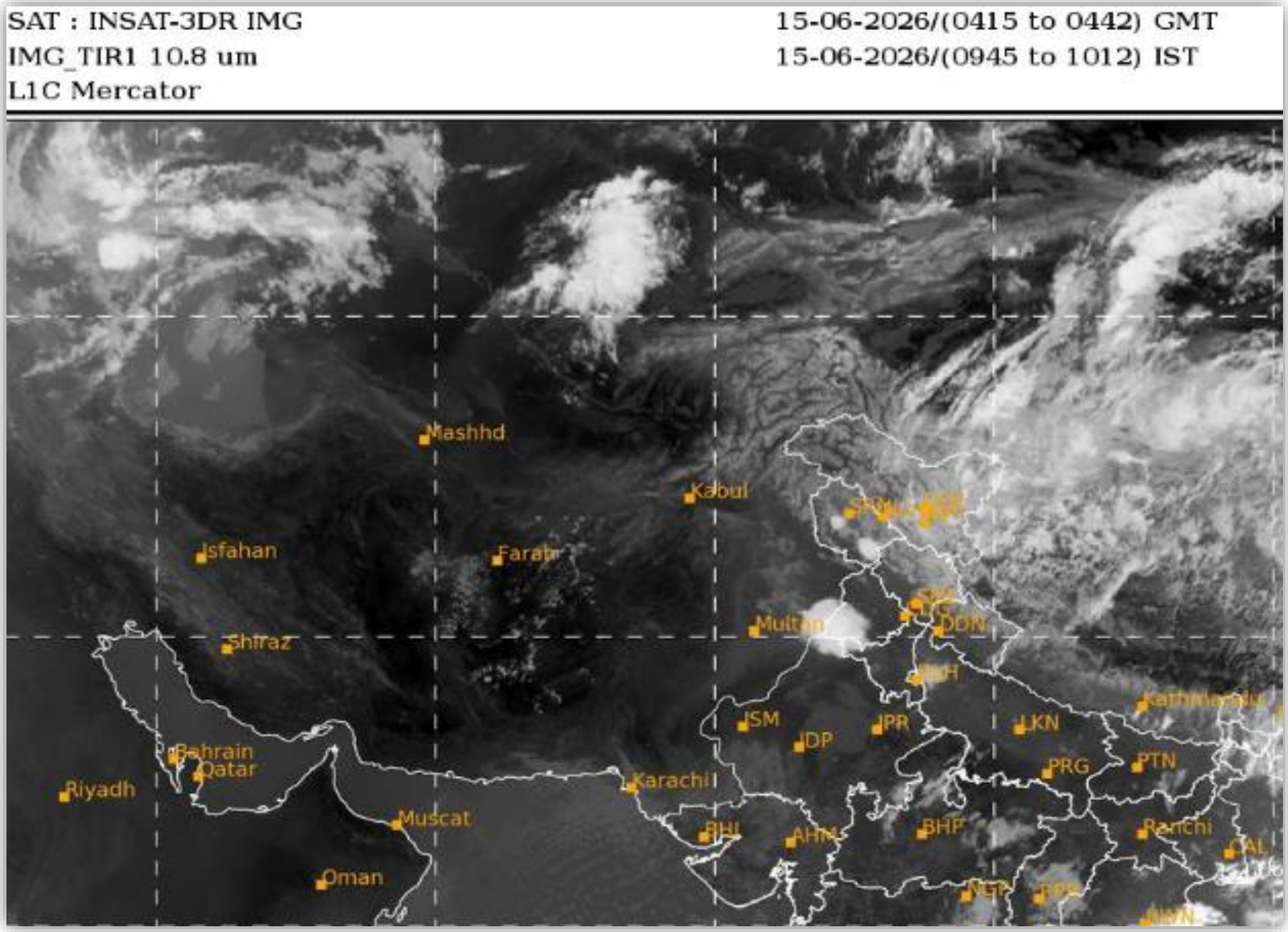

SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator
15-06-2026/(0415 to 0442) GMT
15-06-2026/(0945 to 1012) IST
Mashhd
Kabul
Isfahan
Farah
Shiraz
Multan
DDN
DLH
JSM
DP
PR
LKN
PRG
PTN
Bahrain
Qatar
Riyadh
Karachi
Muscat
BHP
Oman



Satellite Water Vapor

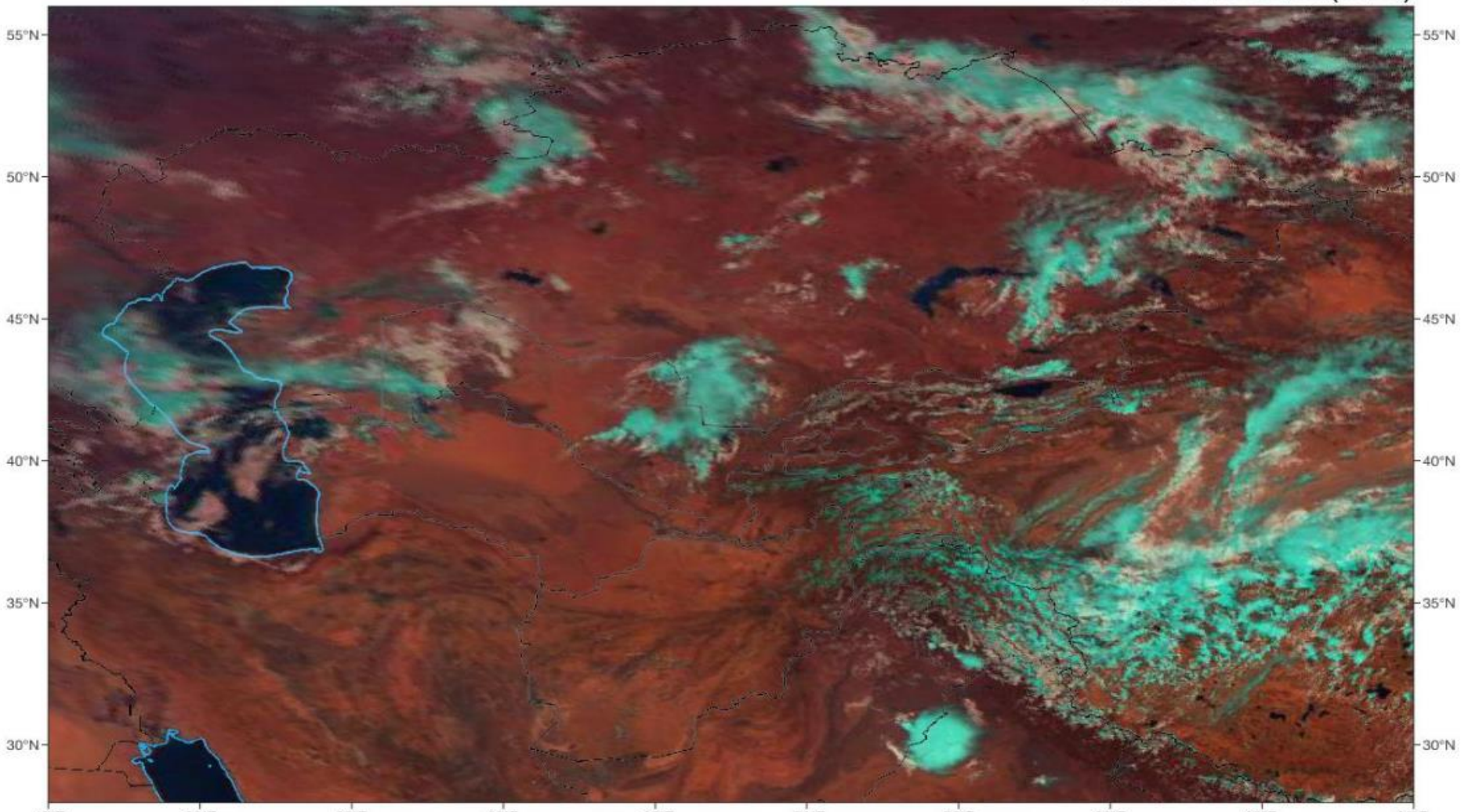
Mon 06/15/2026, 10:00am GMT+0430

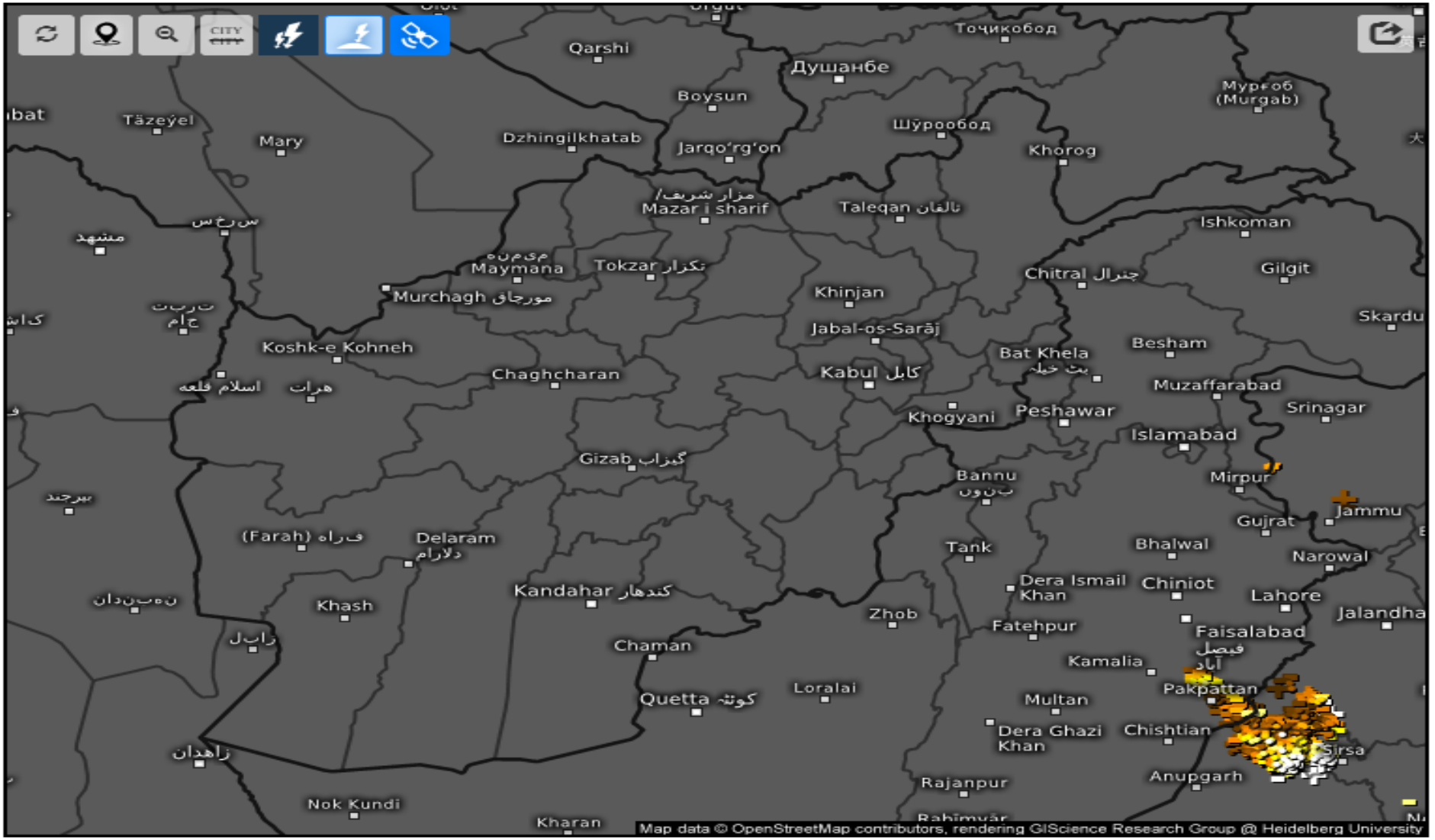
wet/cold — dry/warm


SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator
15-06-2026/(0415 to 0442) GMT
15-06-2026/(0945 to 1012) IST
Mashhd
Kabul
Isfahan
Farah
Multan
Shiraz
DDN
ISM
DP
PR
LKN
PRG
PTN
Bahrain
Qatar
Riyadh
Karachi
Muscat
BHJ
AHM
BHP
Ranchi
Oman

Fog Identification

2026-06-15 05:30(UTC)





Age of lightning (minutes)

Mon 06/15/2026, 10:15am 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