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

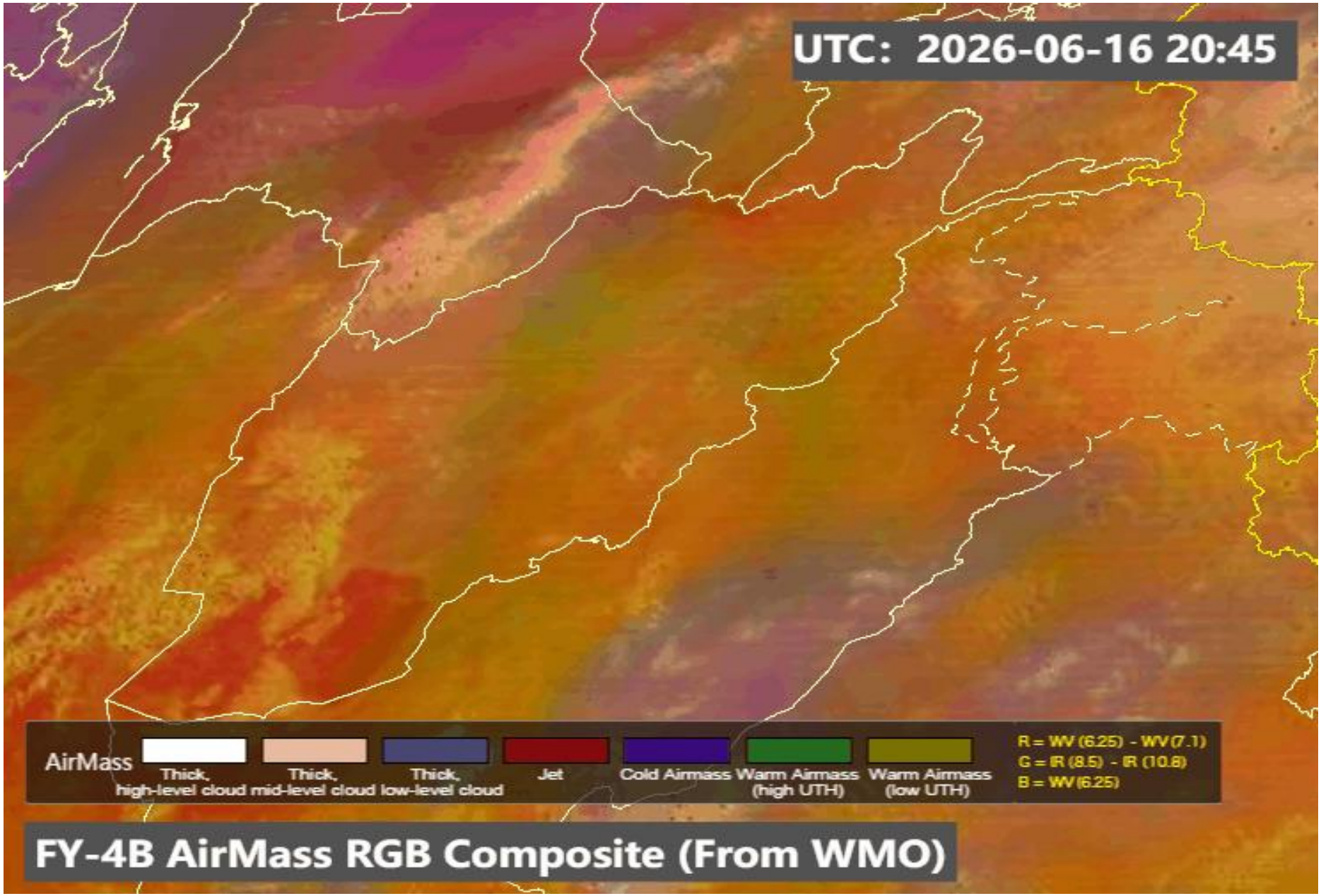
Daily reports of Satellite imagery analysis. Date & Time: 17-06-2026, 06:00 UTC

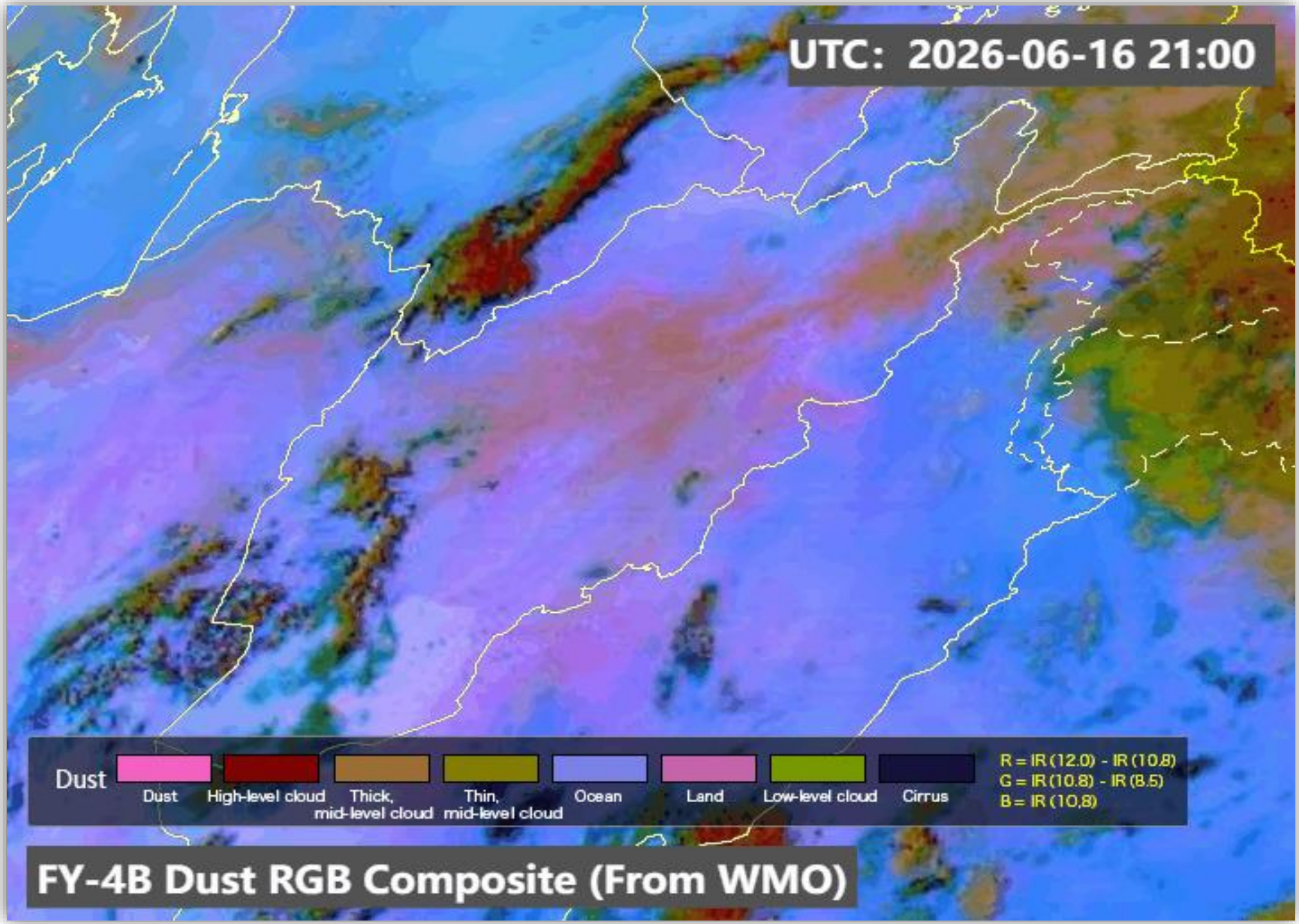
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	moderate	X	✓	X	✓ weak	X	X	
2	South	✓	X	X	X	X	✓ weak	X	✓	
3	West	✓	X	X	✓	X	✓ weak	X	X	
4	East	✓	X	X	✓	X	✓ weak	X	X	
5	central	✓	light	X	✓	X	✓ weak	X	X	
6	Northeast	✓	X	✓	✓	X	✓ weak	X	X	
7	Southeast	✓	X	X	X	X	✓ weak	X	X	
8	Northwest	✓	light	X	X	X	✓ weak	X	X	
9	Southwest	✓	moderate	X	✓	X	✓ weak	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 northern, central, southeastern, northwestern and southwestern regions have dust. The northeastern regions have lightning. The northern, western, eastern, central, northeastern and southwestern regions have cloudy skies. The all-regions have weak water vapor. The southern regions have Jetstream.**

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

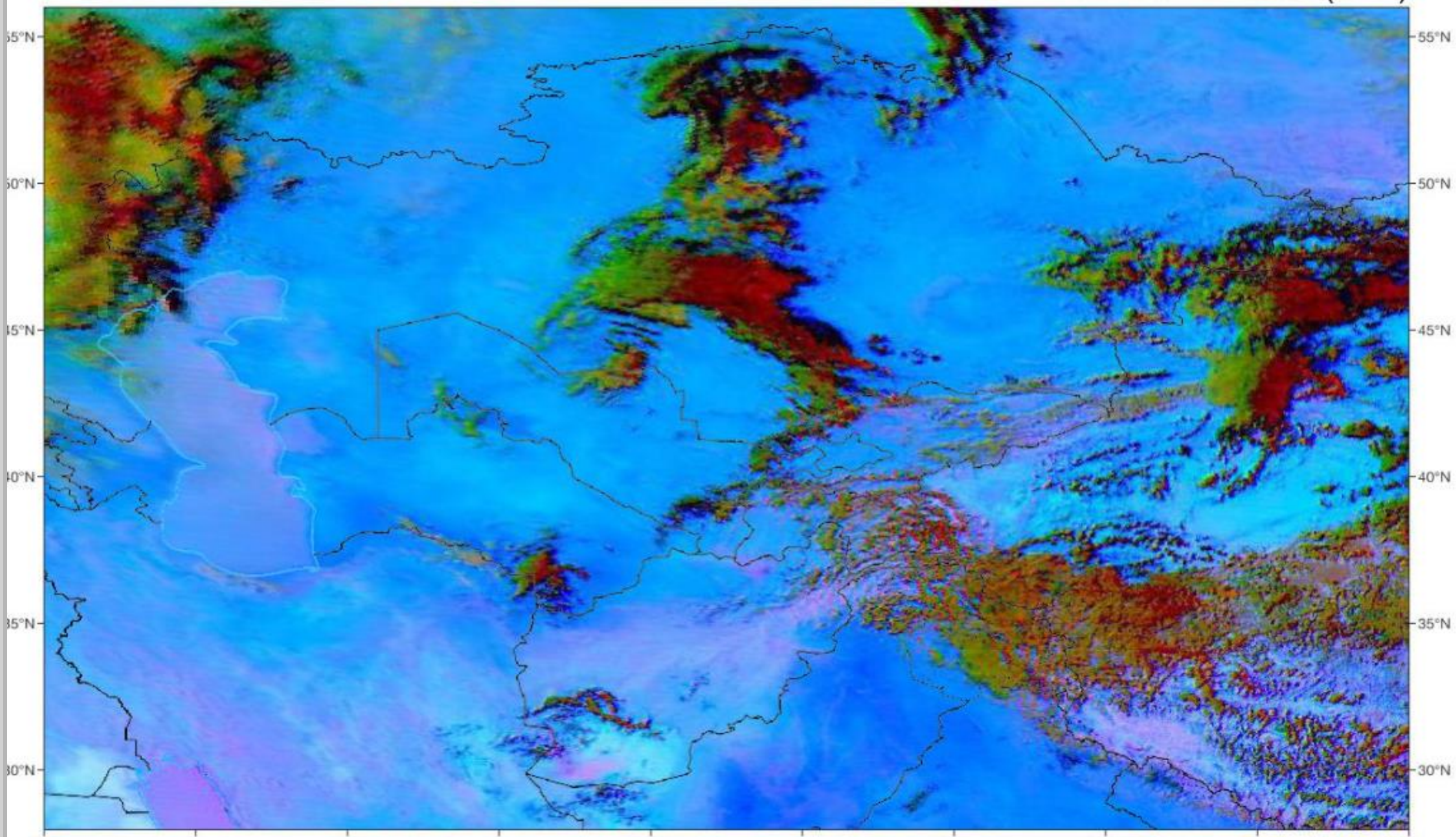
Reported by: Esmatullah Mohammadi


UTC: 2026-06-16 20:45
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)


UTC: 2026-06-16 21:00
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)

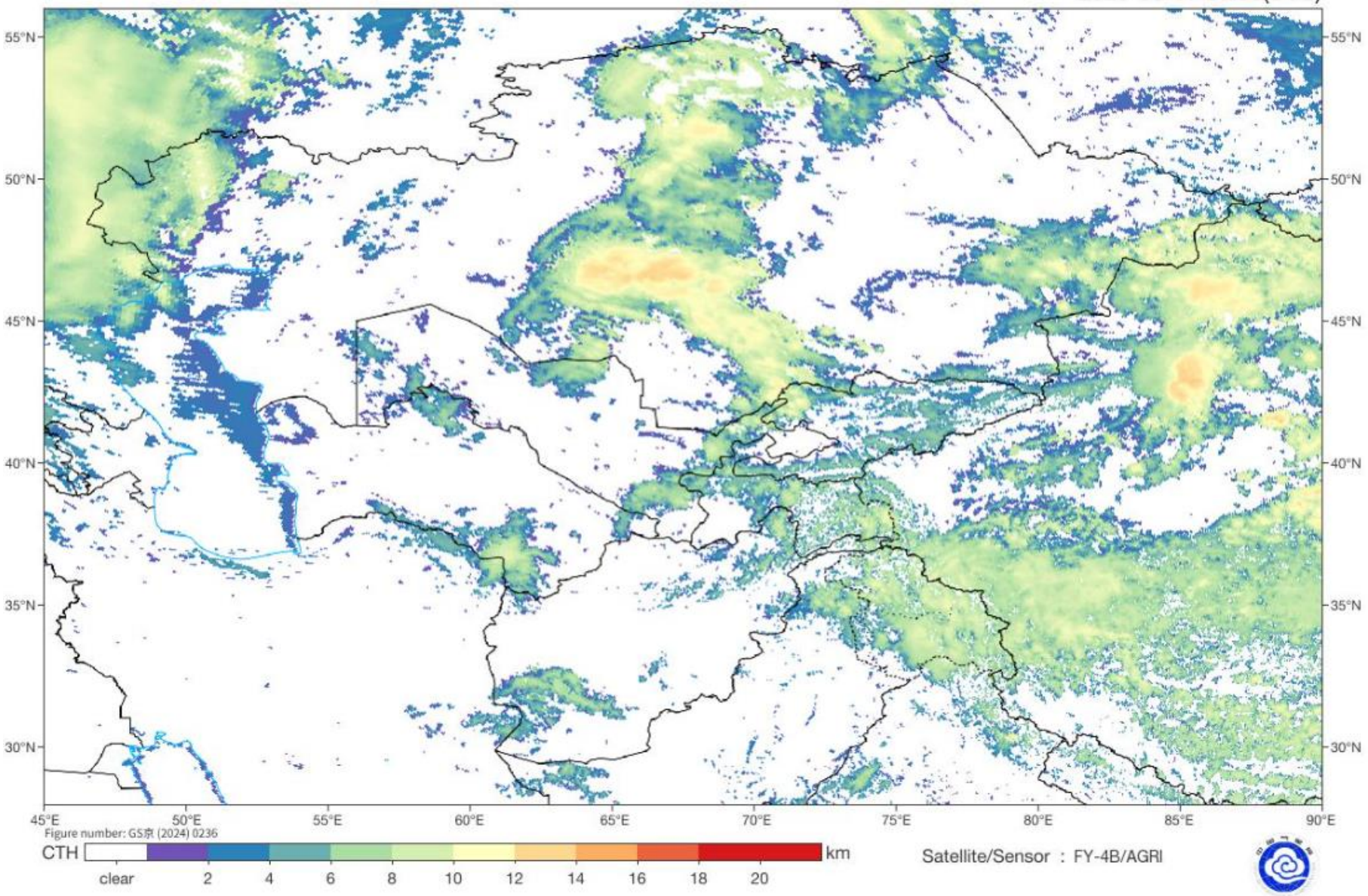
Sand And Dust Identification

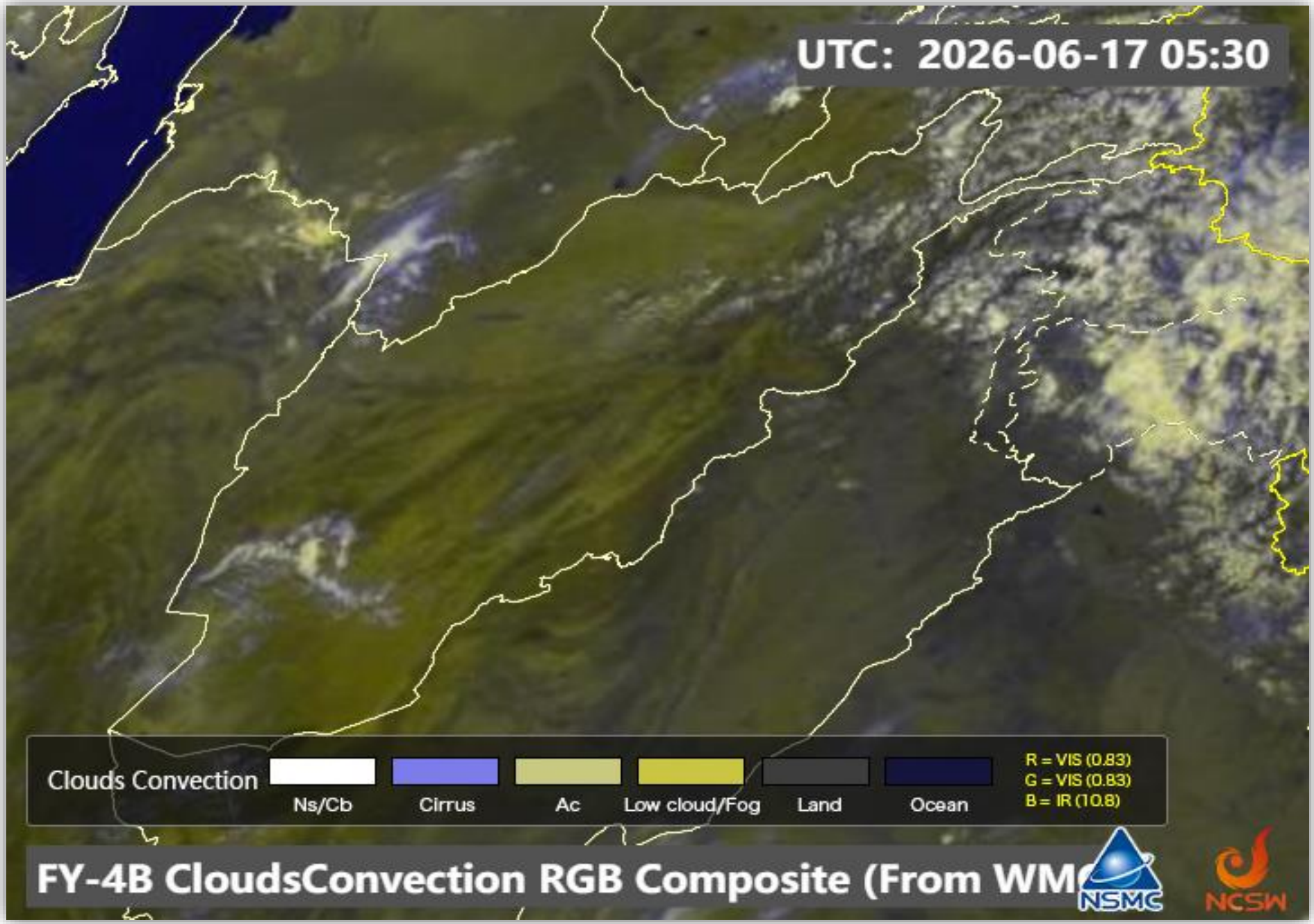
2026-06-17 05:30(UTC)

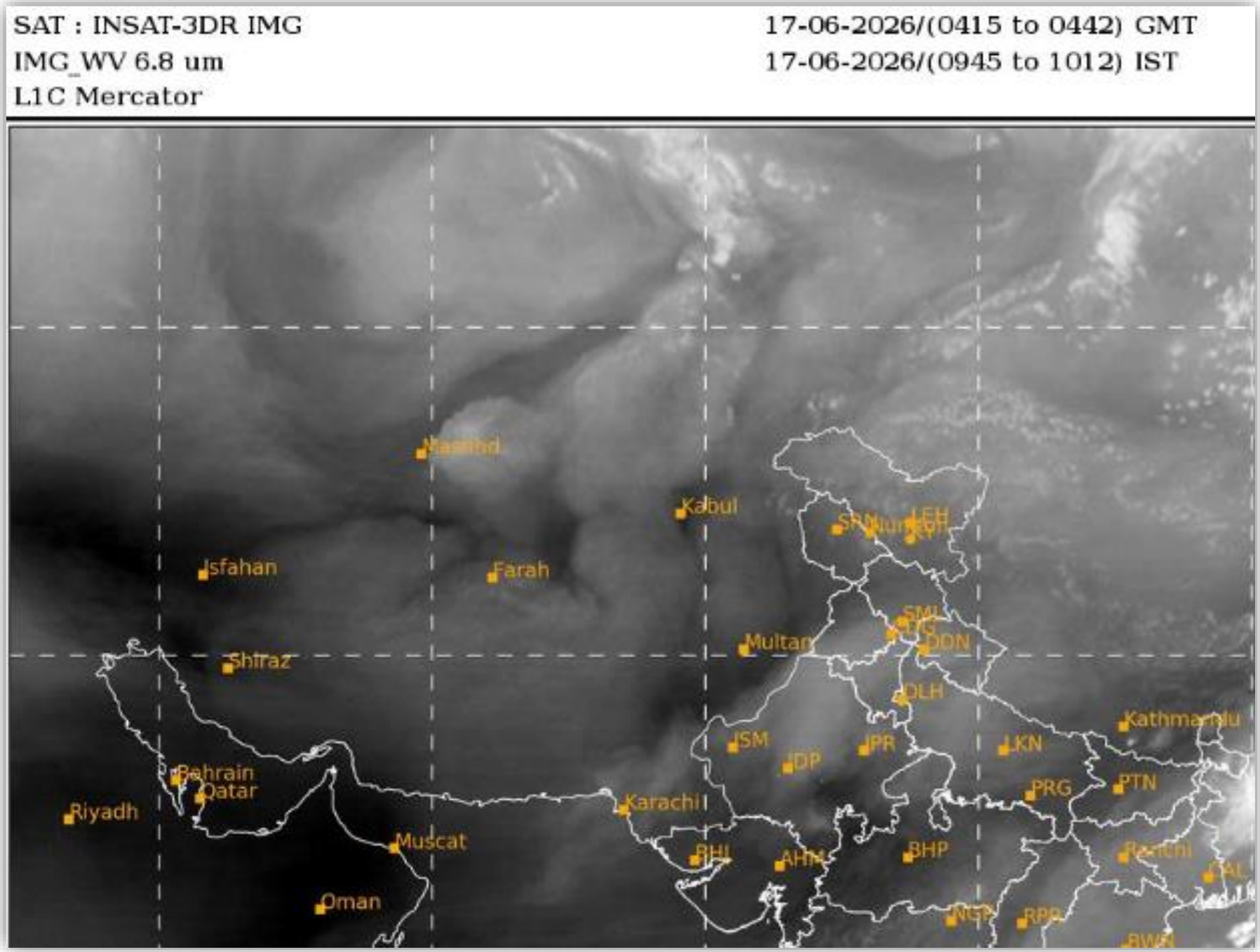


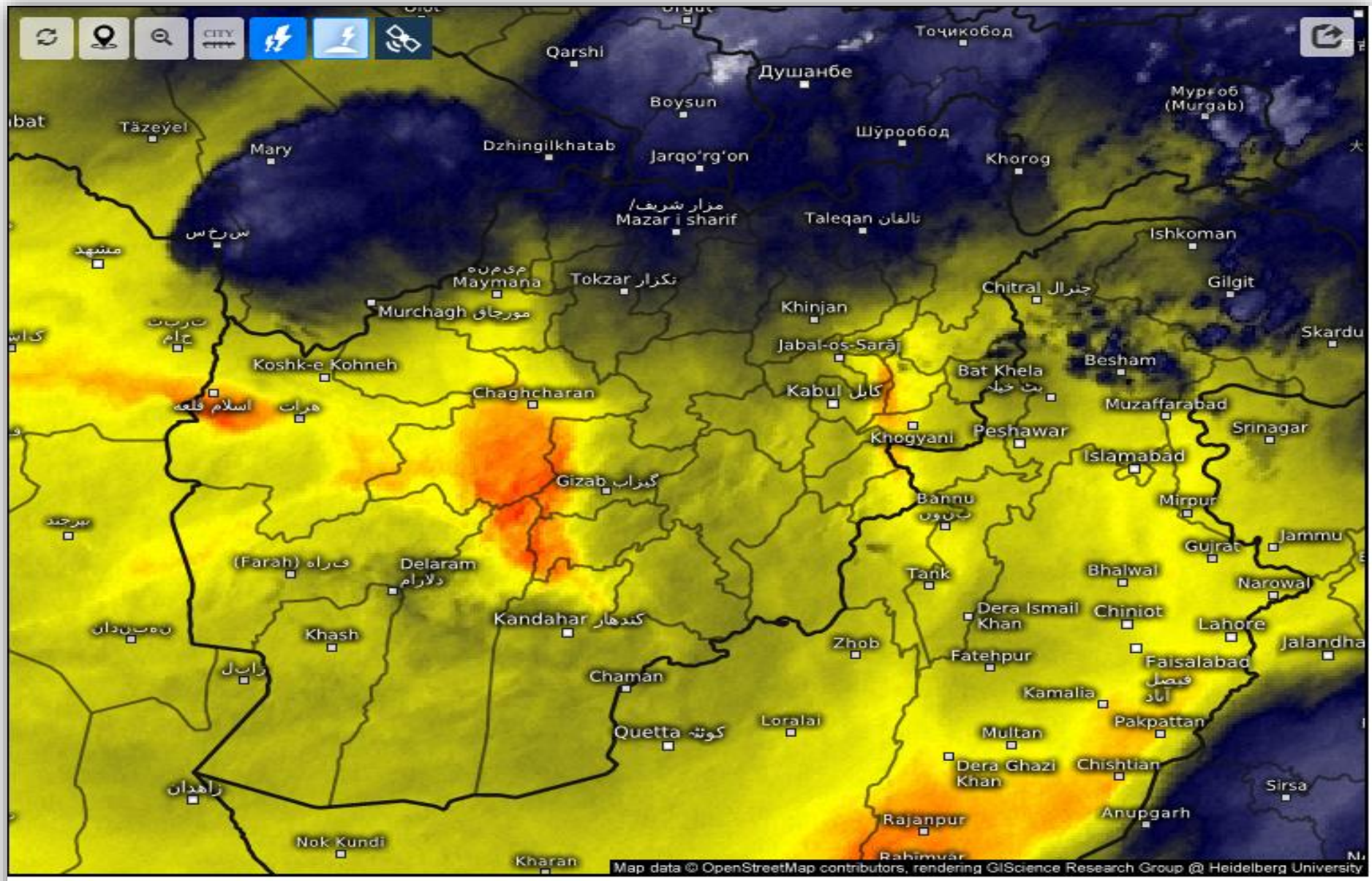
Cloud Top Height

2026-06-17 05:30(UTC)




UTC: 2026-06-17 05:30
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

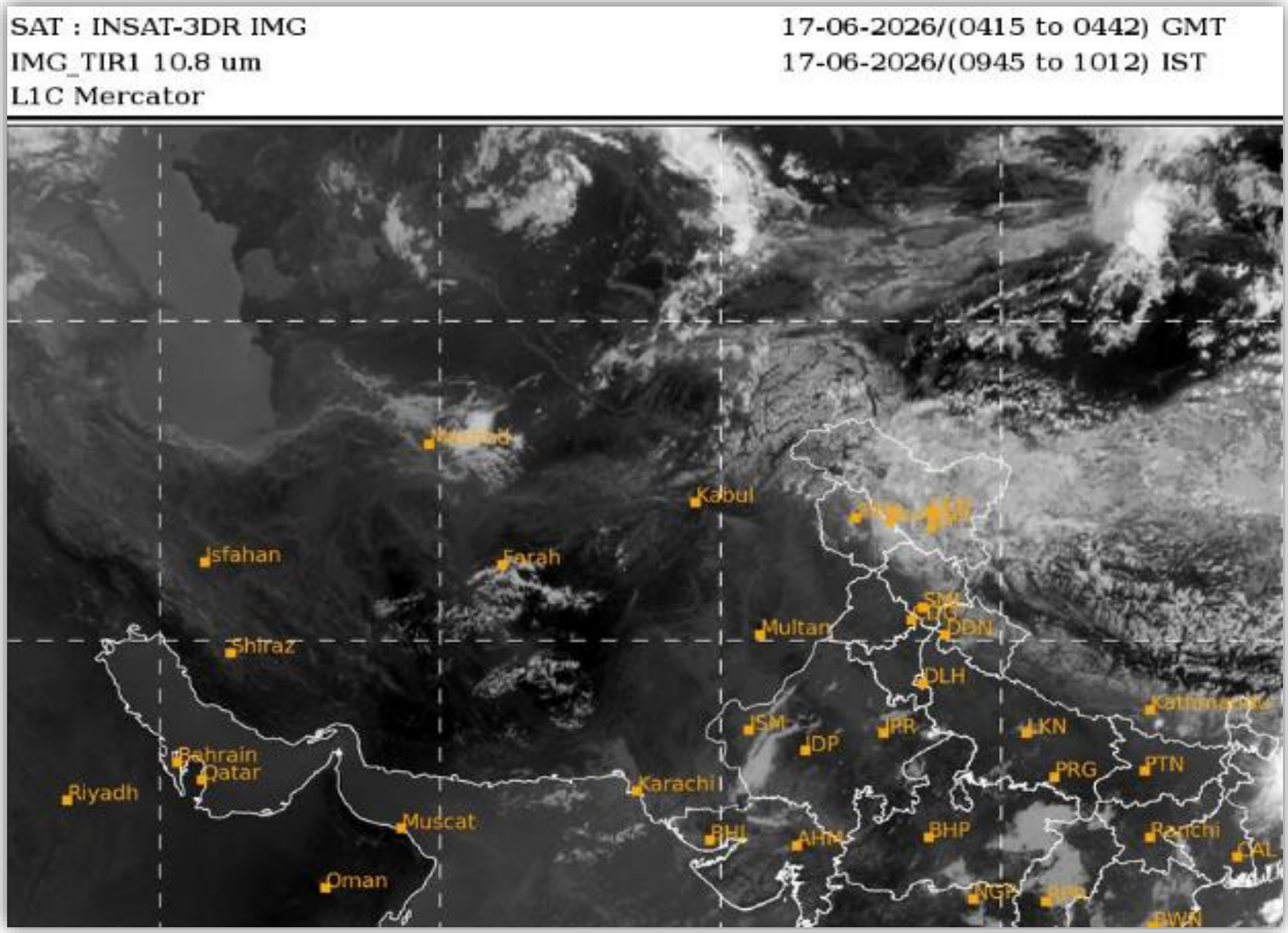

SAT : INSAT-3DR IMG
IMG_WV 6.8 um
L1C Mercator
17-06-2026/(0415 to 0442) GMT
17-06-2026/(0945 to 1012) IST
Mashhad
Kabul
Isfahan
Farah
Shiraz
Multan
DLH
Kathmandu
Bahrain
Qatar
Riyadh
Karachi
Muscat
Oman
PRG
PTN
BHP
RPR
BWN



Satellite Water Vapor

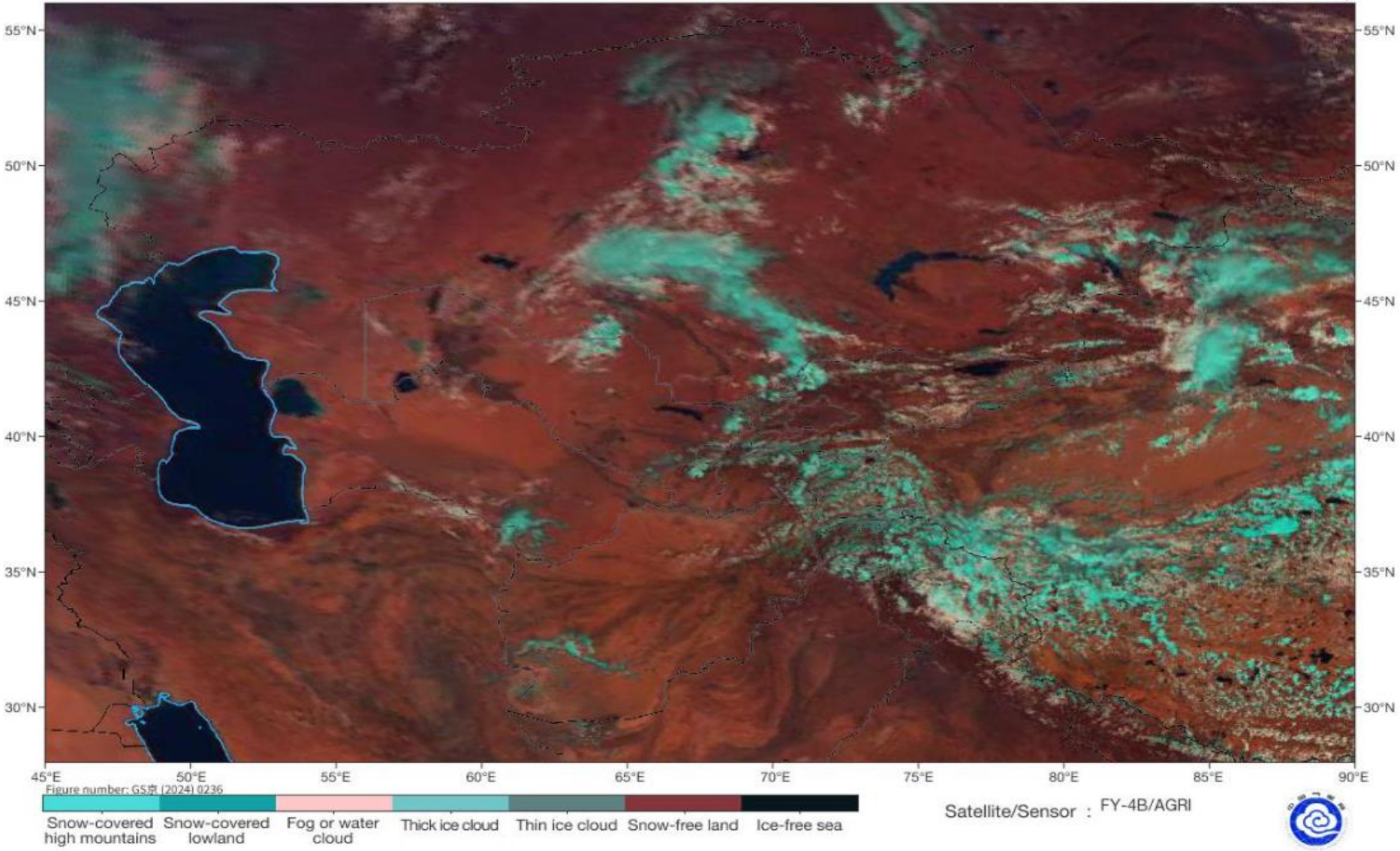
Wed 06/17/2026, 10:30am GMT+0430

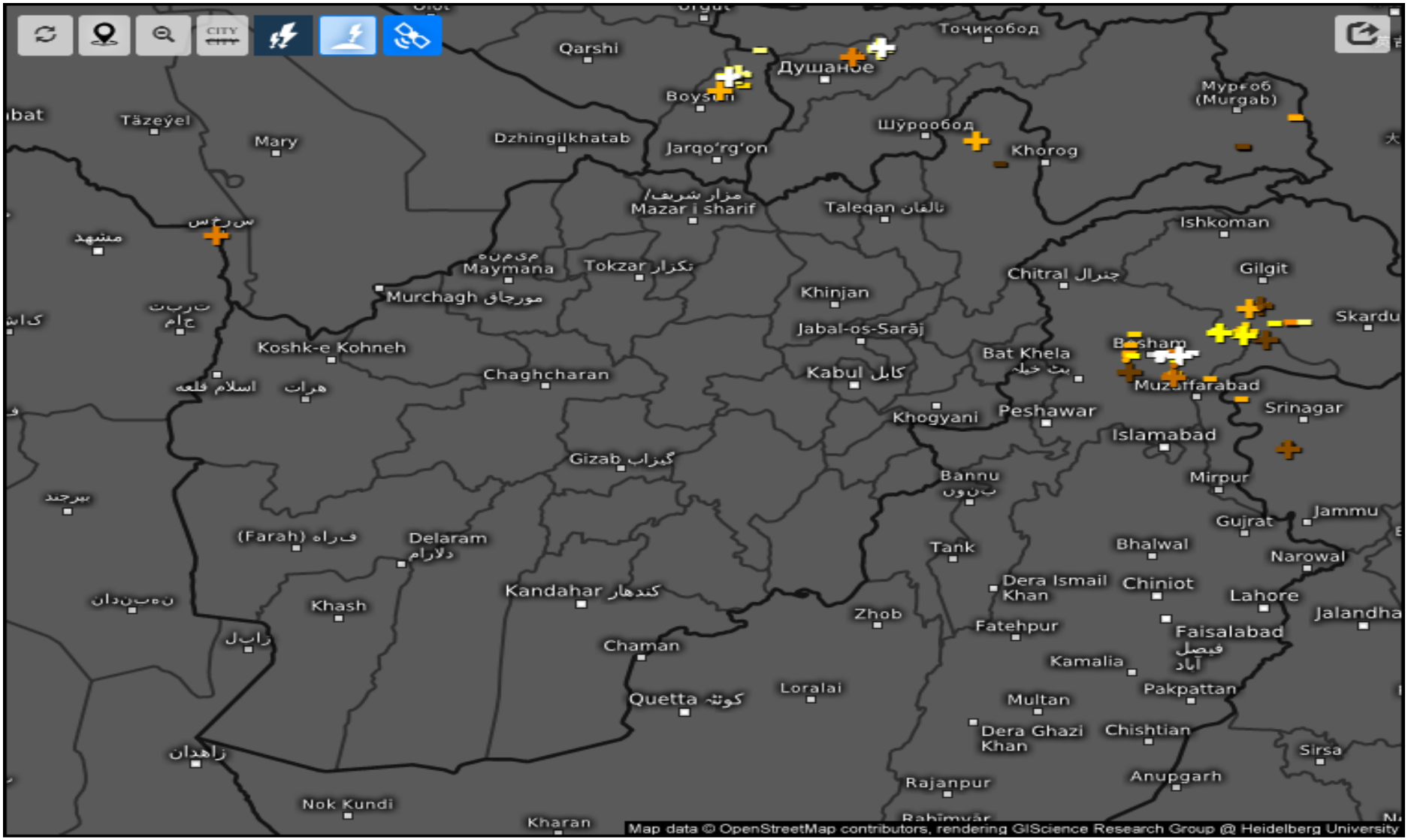
wet/cold — dry/warm


SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator
17-06-2026/(0415 to 0442) GMT
17-06-2026/(0945 to 1012) IST
Kabul
Isfahan
Farah
Shiraz
Multan
DDN
DLH
SM
DP
PR
KN
PRG
PTN
Bahrain
Qatar
Riyadh
Karachi
Muscat
Oman
BHP
Ranchi
CAL

Fog Identification

2026-06-17 05:30(UTC)





Age of lightning (minutes)

Wed 06/17/2026, 10:45am 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