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

Daily reports of Satellite imagery analysis. Date & Time: 23-09-2026, 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	X	
2	South	✓	✓	X	X	X	✓	X	X	
3	West	✓	✓	X	X	X	✓	X	X	
4	East	✓	X	X	X	X	✓	X	X	
5	central	✓	✓	X	✓	X	✓	X	X	
6	Northeast	✓	✓	✓	✓	X	✓	X	X	
7	Southeast	✓	✓	X	X	X	✓	X	X	
8	Northwest	✓	X	X	X	X	✓	X	X	
9	Southwest	✓	✓	X	X	X	✓	X	X	

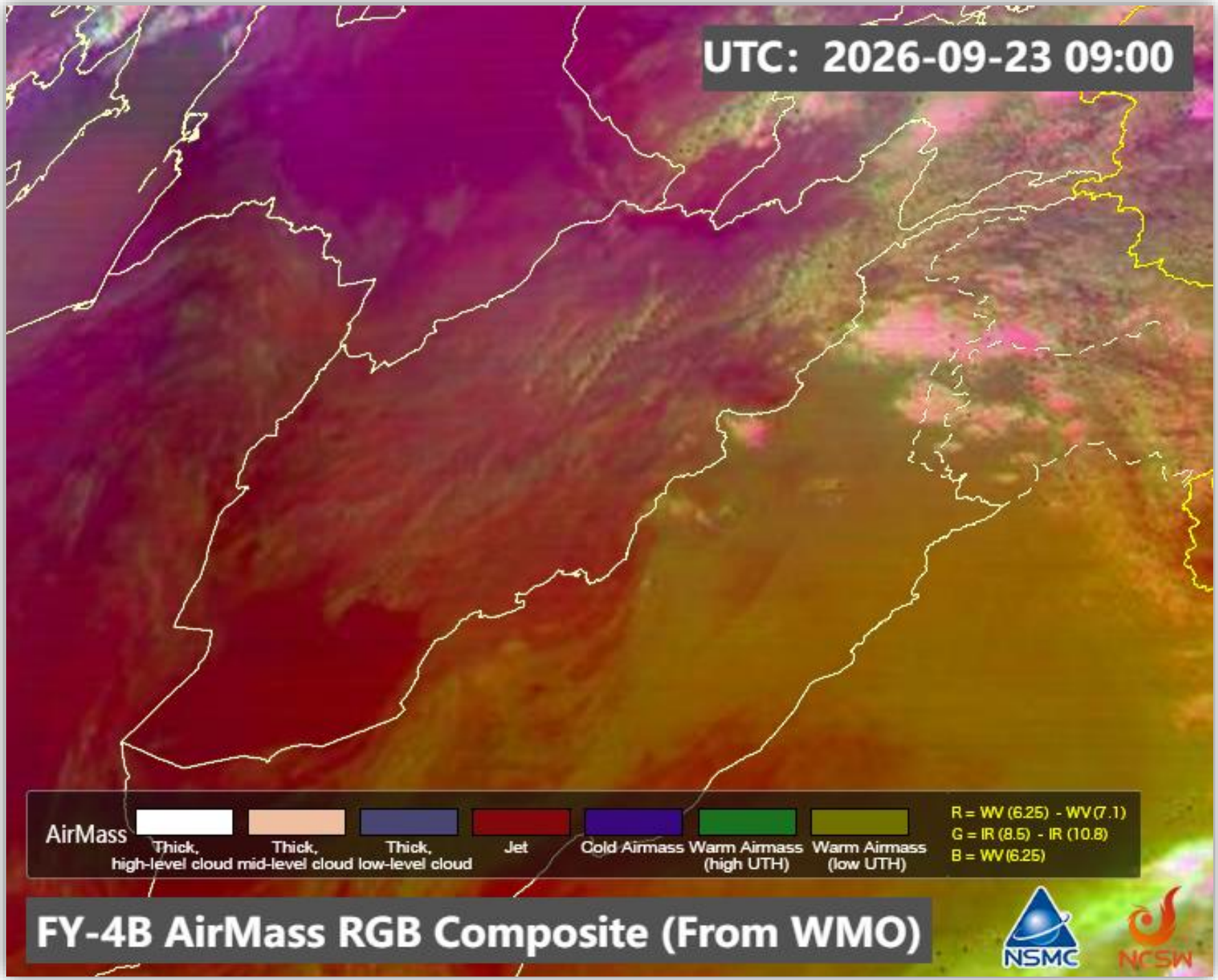
Details: according to satellite imagery analysis, the western, eastern, central, northeastern and southeastern areas have warm air mass but the northern, southern northwestern and southwestern areas have cold air mass. the southern, western, central, northeastern, southeastern and southwestern areas have weak dust. the northeastern area is Thunder storm. the central and northeastern areas have partly cloudy sky. The northern, eastern, central, northeastern and northwestern areas have moderate water vapor the southern, western, southeastern and southwestern areas have weak water vapor.

Note: ✓(existing phenomena) X (Not existing phenomena)

Reported by: Mohammad Jawed Moradi

Legend:

Dust		Water vapor			Air mass		Thunder storm	Cloud	Fog	Jet stream	Cyclone & Anticyclone	
Weak Dust	Dust storm	Weak	Dry	Moderate	Warm	Cold						


UTC: 2026-09-23 09:00
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 (8.5) - IR (10.8)
B = WV (6.25)
FY-4B AirMass RGB Composite (From WMO)
NSMC
NCSW

Sand And Dust Identification

2026-09-23 09:00(UTC)

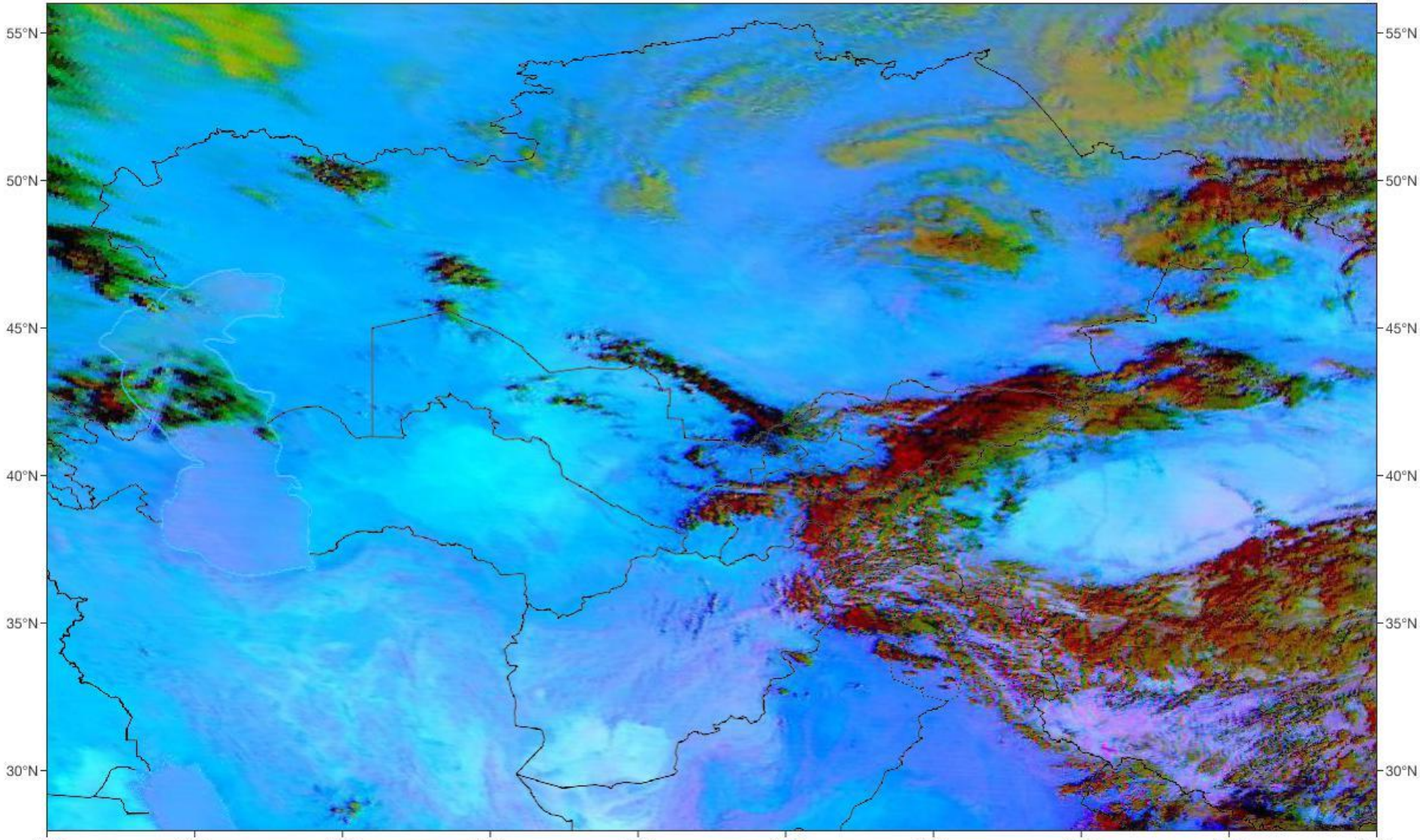
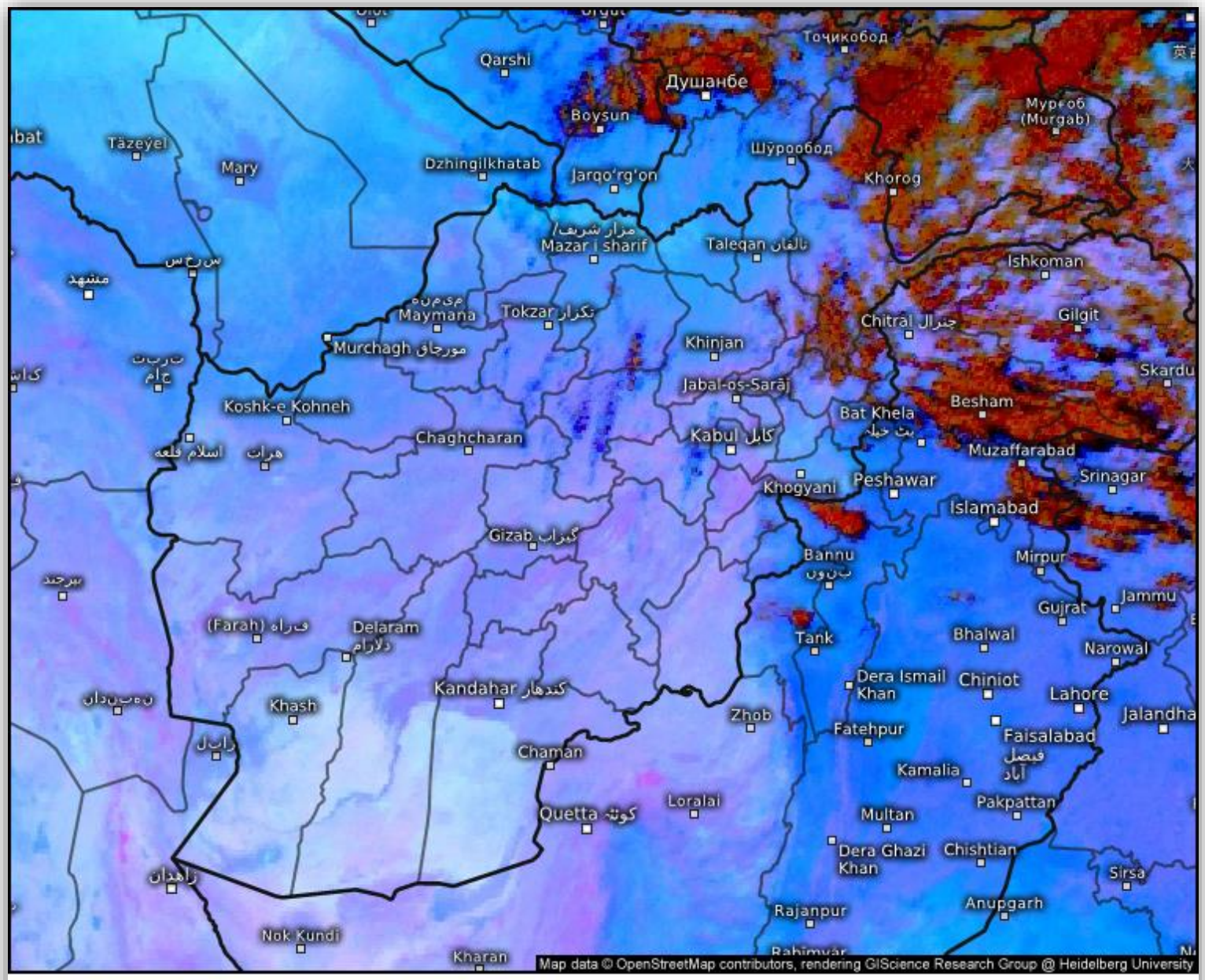


Figure number: GS京 (2024) 0236

dust | cirrus cloud | cold,thick altostratus | thick mesos-pheric cloud | cirrus clouds over the desert | desert | low altitude humid air (~700hpa) | low altitude dry air

Satellite/Sensor ： FY-4B/AGRI



Satellite Dust

Wed 09/23/2026, 01:30pm GMT+0430

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Afghanistan

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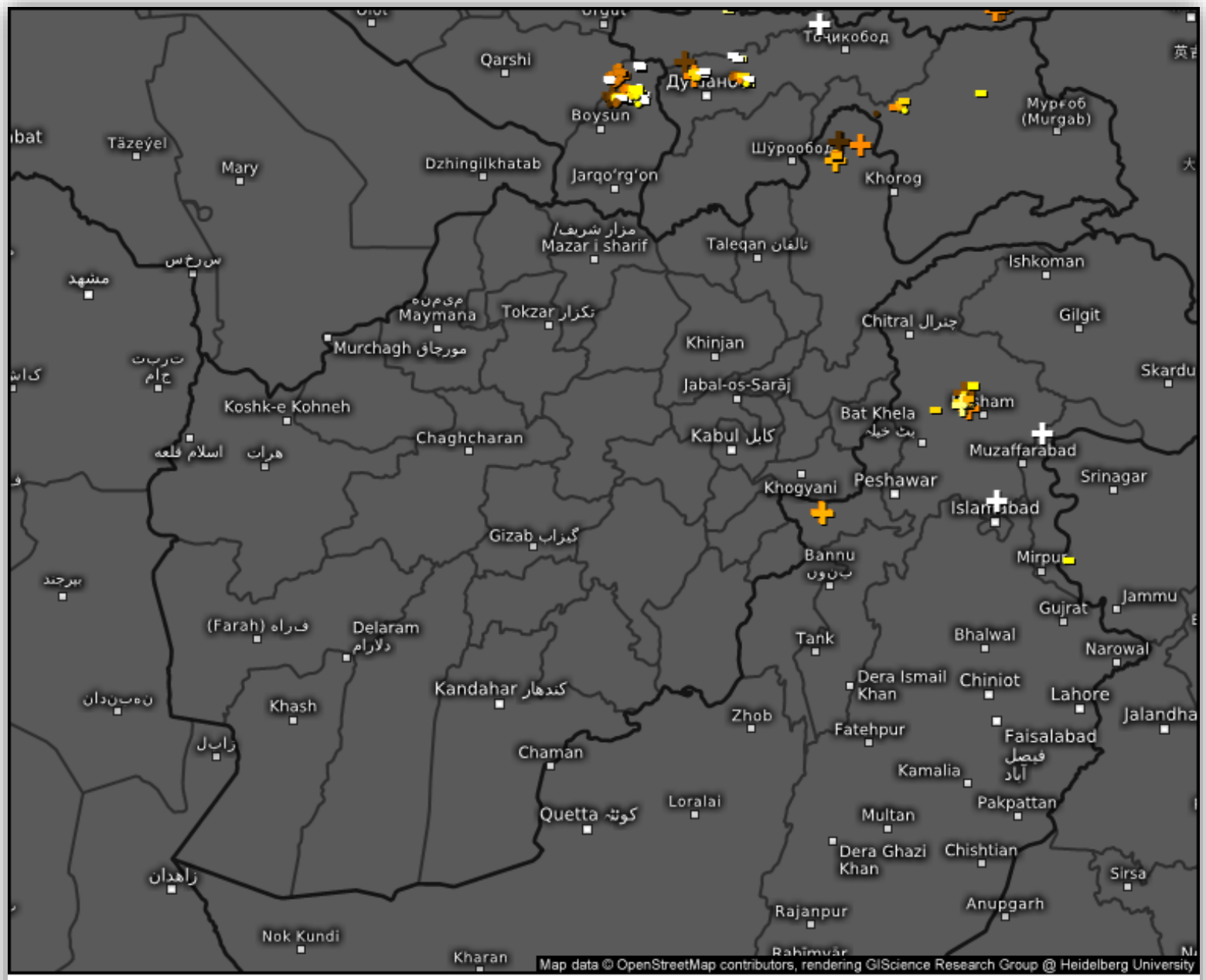
Satellite data: EUMETSAT



Age of lightning (minutes)

Wed 09/23/2026, 01:30pm GMT+0430

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

Afghanistan

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Cloud Top Height

2026-09-23 09:00(UTC)

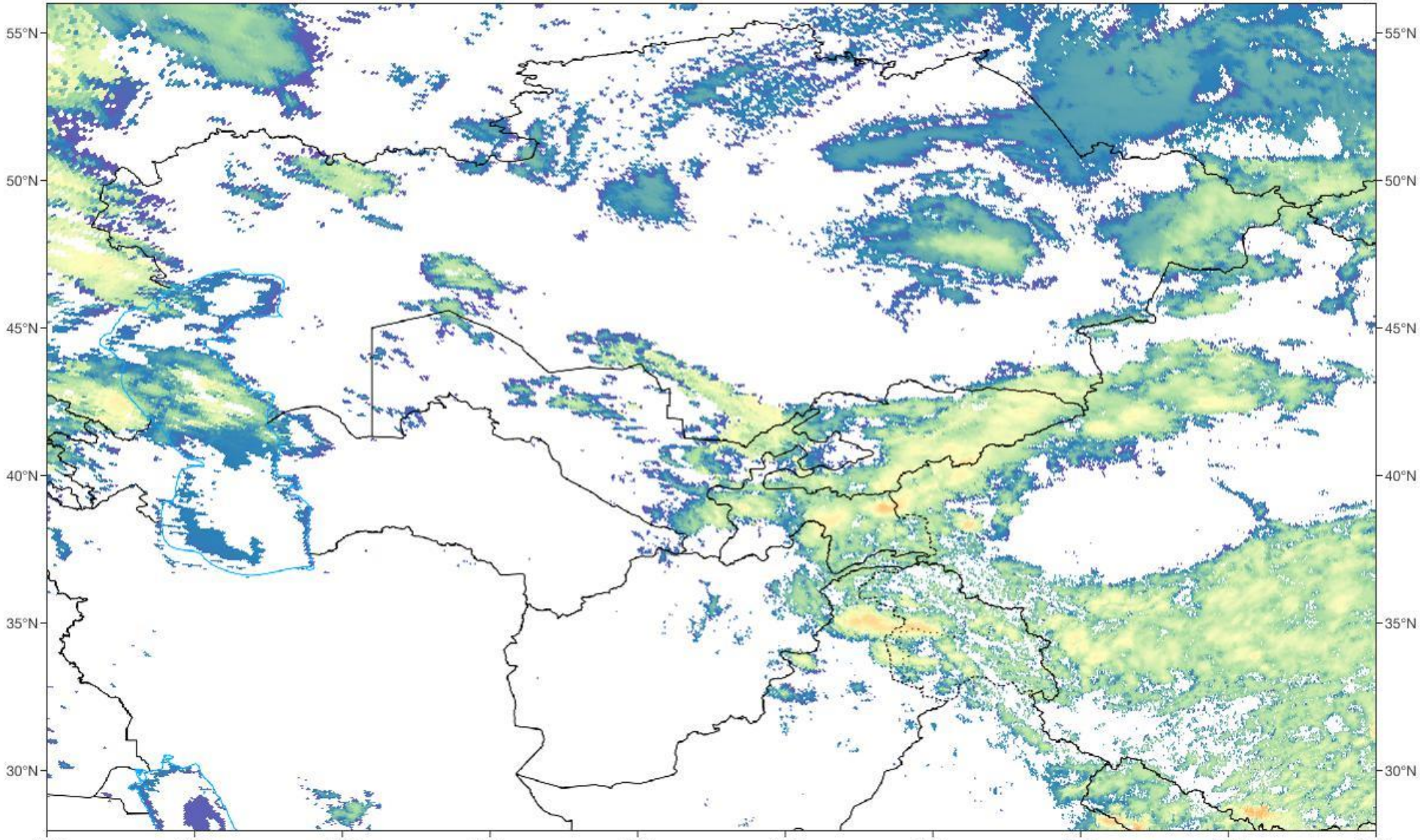
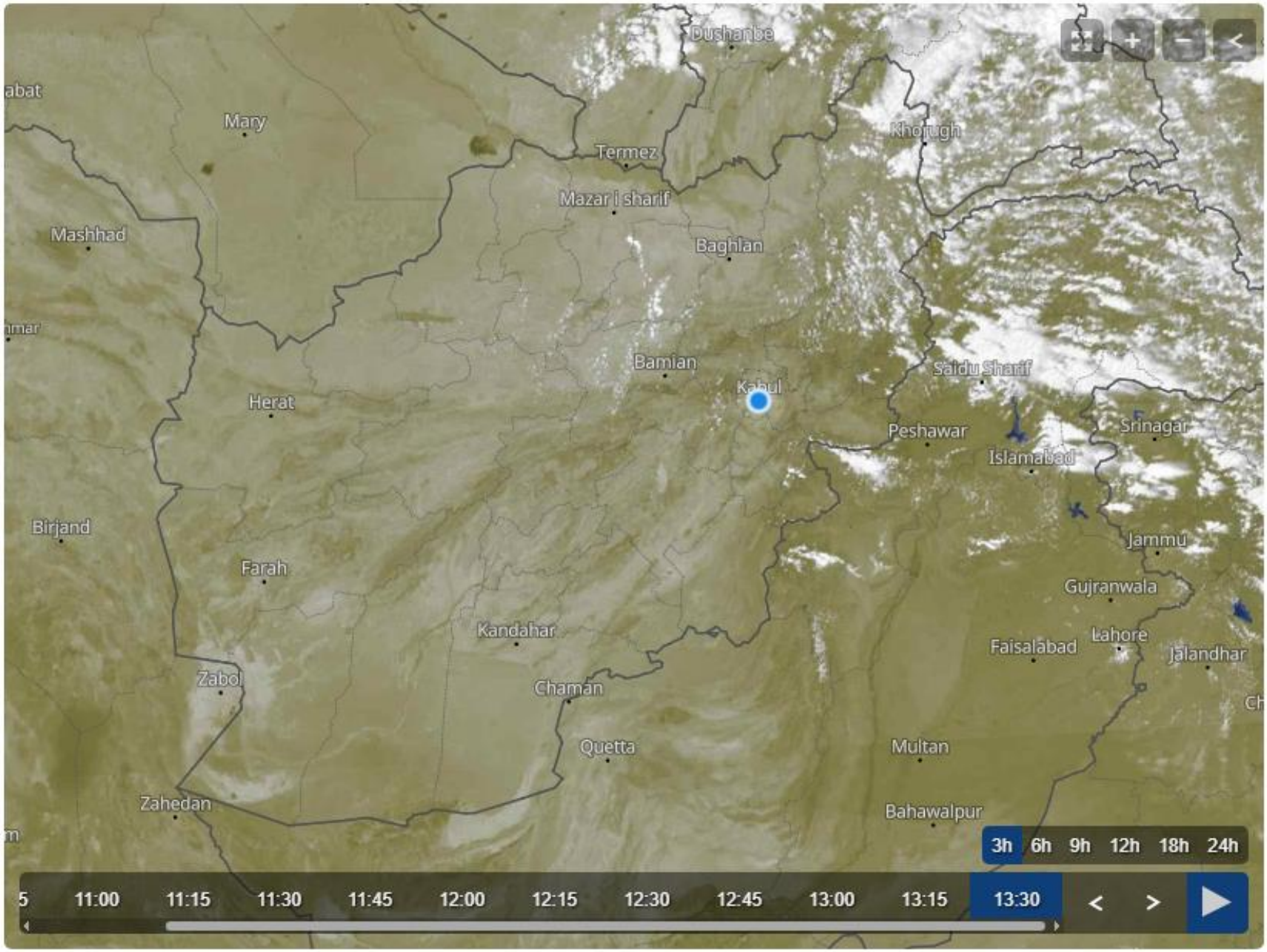


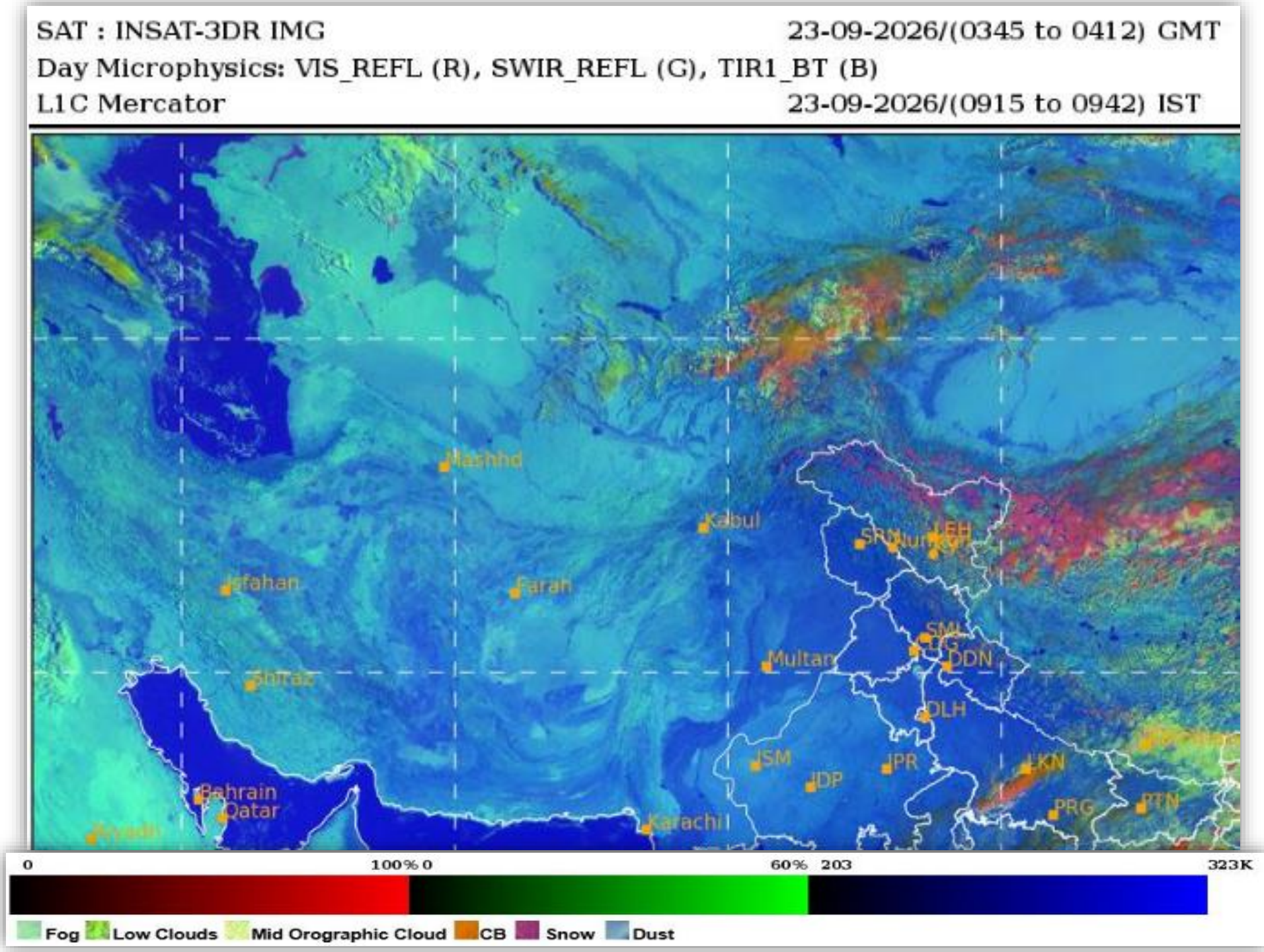
Figure number: GS京 (2024) 0236

CTH clear 2 4 6 8 10 12 14 16 18 20 km

Satellite/Sensor ： FY-4B/AGRI

Live satellite map, Afghanistan




SAT : INSAT-3DR IMG
23-09-2026/(0345 to 0412) GMT
Day Microphysics: VIS_REFL (R), SWIR_REFL (G), TIR1_BT (B)
L1C Mercator
23-09-2026/(0915 to 0942) IST
Mashhd
Kabul
Isfahan
Farah
Multan
Shiraz
Bahrain
Qatar
Karachi
DLH
JSM
JDP
PR
LKN
PRG
PTN
0
100% 0
60% 203
323K
Fog
Low Clouds
Mid Orographic Cloud
CB
Snow
Dust

Fog Identification

2026-09-23 09:00(UTC)

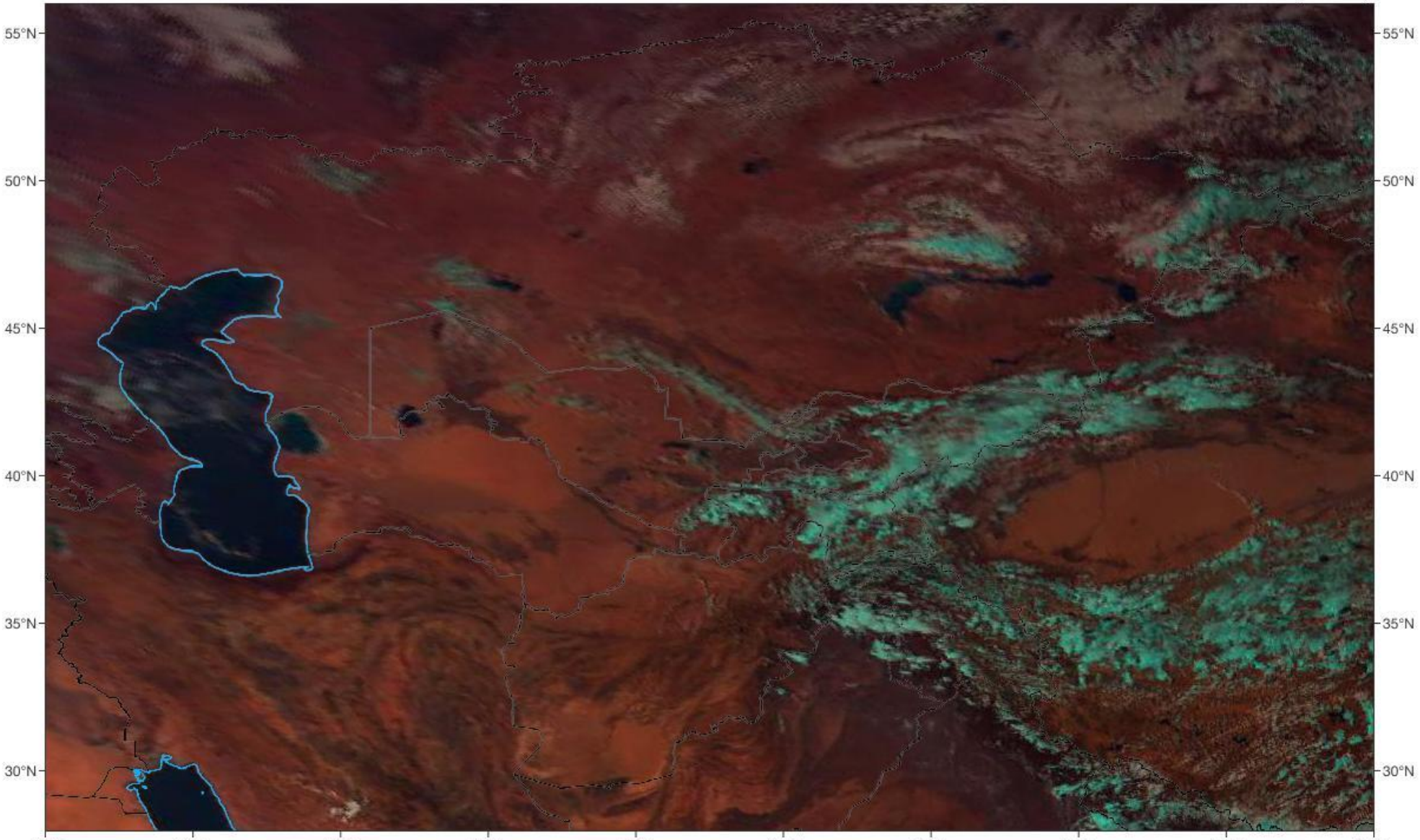
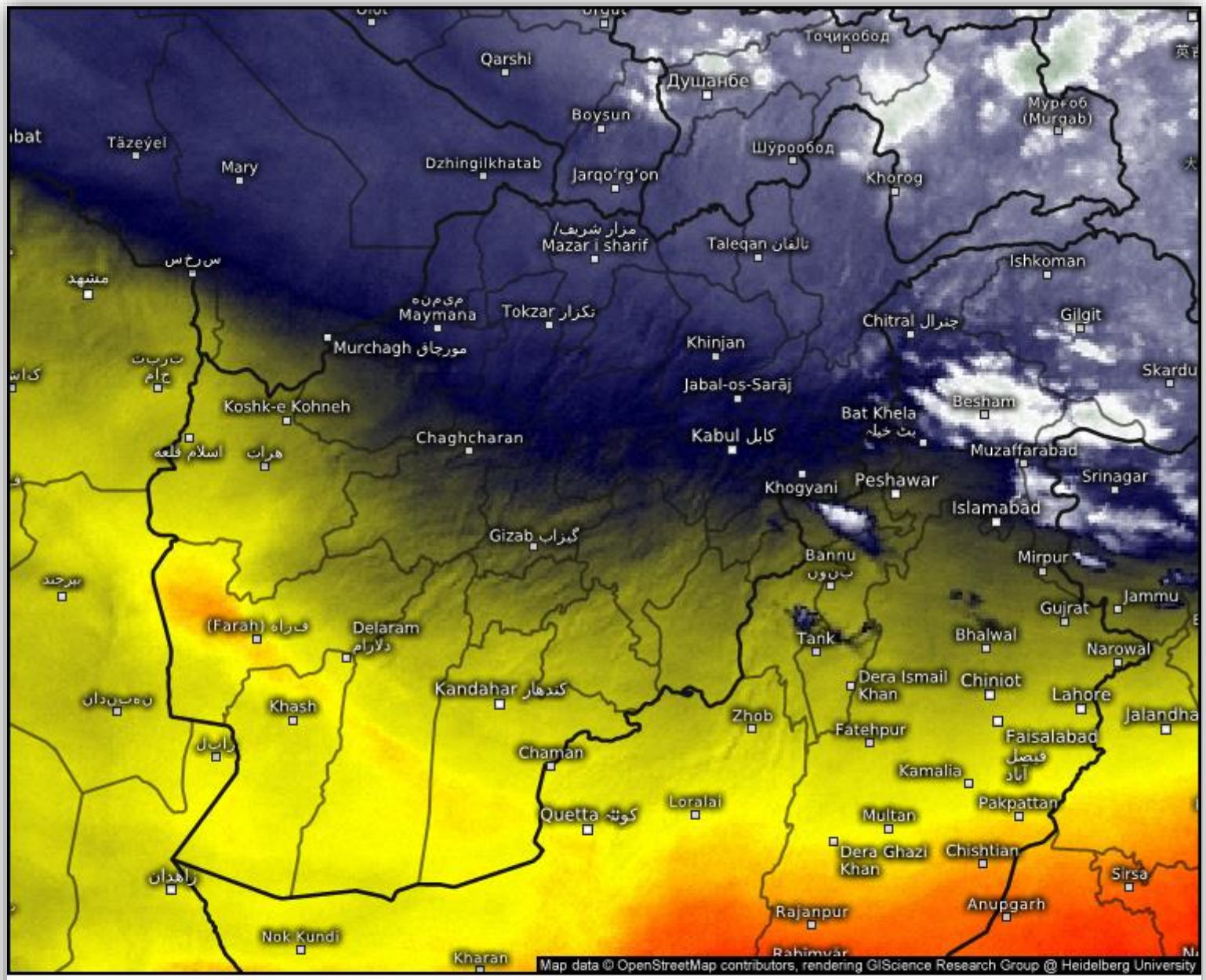


Figure number: GS京 (2024) 0236

Snow-covered high mountains | Snow-covered lowland | Fog or water cloud | Thick ice cloud | Thin ice cloud | Snow-free land | Ice-free sea

Satellite/Sensor : FY-4B/AGRI



Satellite Water Vapor

Wed 09/23/2026, 01:30pm GMT+0430

wet/cold — dry/warm

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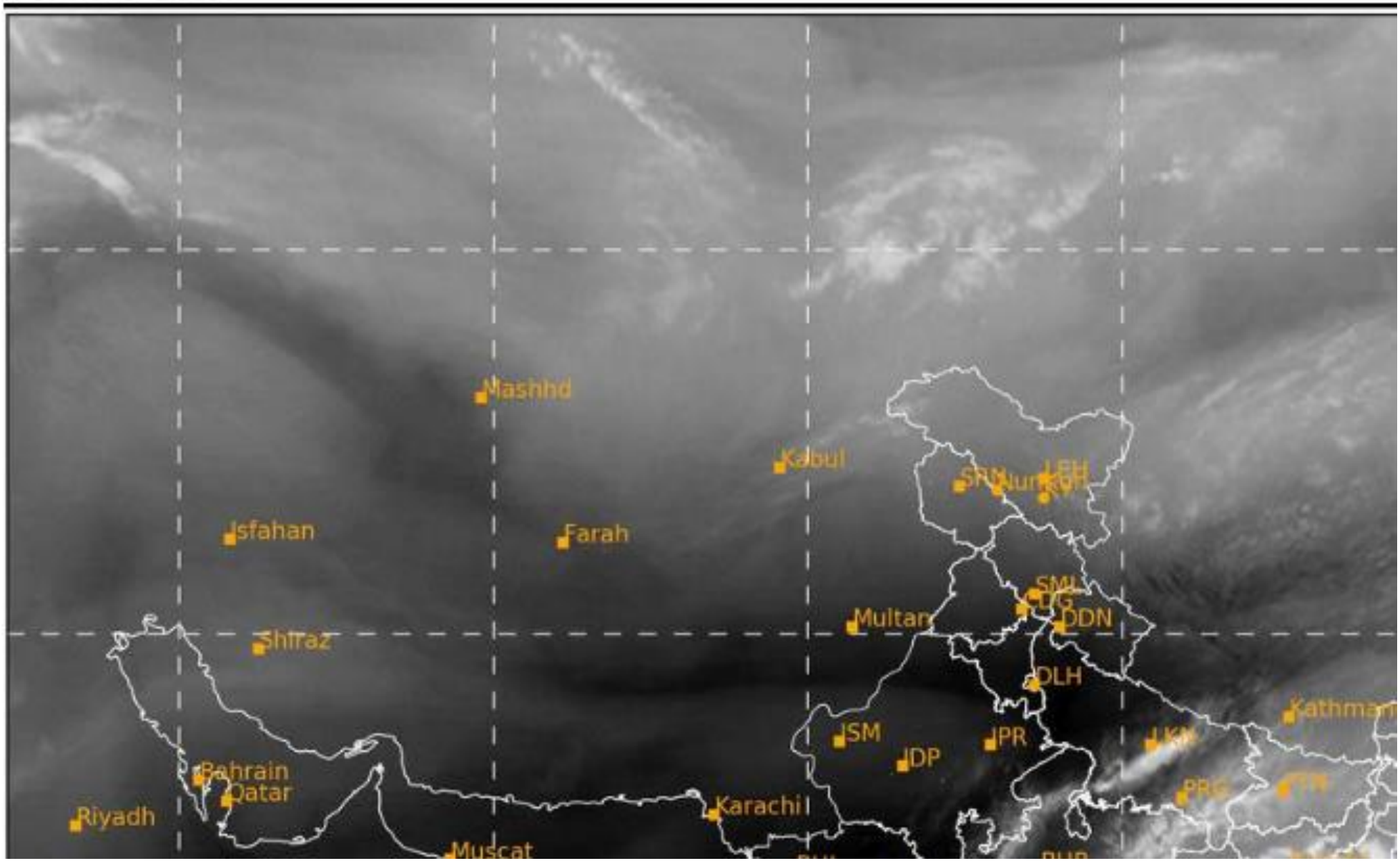
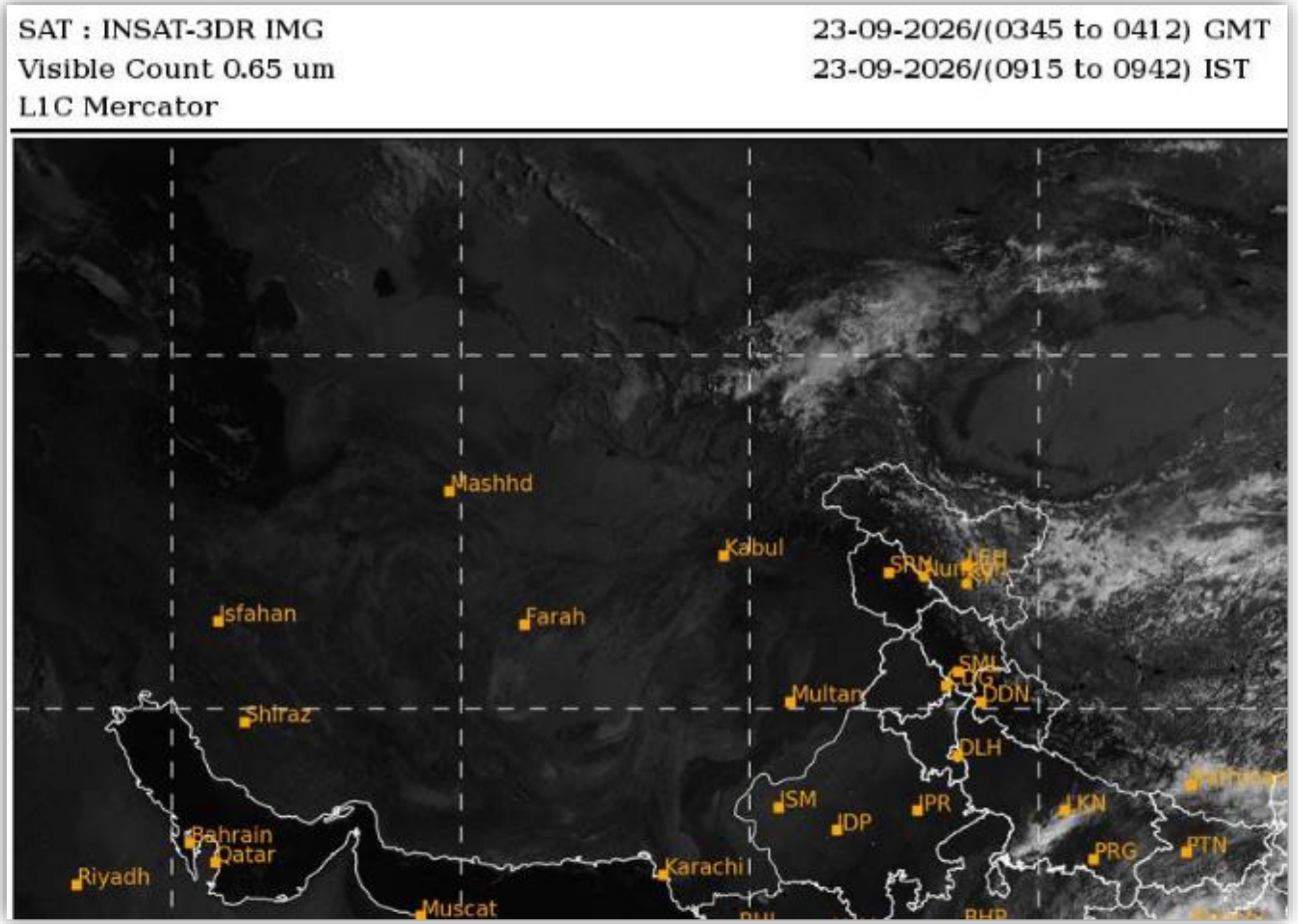
Satellite data: EUMETSAT

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

23-09-2026/(0345 to 0412) GMT
23-09-2026/(0915 to 0942) IST




SAT : INSAT-3DR IMG
Visible Count 0.65 um
L1C Mercator
23-09-2026/(0345 to 0412) GMT
23-09-2026/(0915 to 0942) IST
Mashhd
Kabul
Isfahan
Farah
Multan
Shiraz
DDN
DLH
SM
DP
PR
LKN
PRG
PTN
Bahrain
Qatar
Riyadh
Karachi
Muscat