SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS

Date: 2026-02-01 Time: 00:00:00 UTC
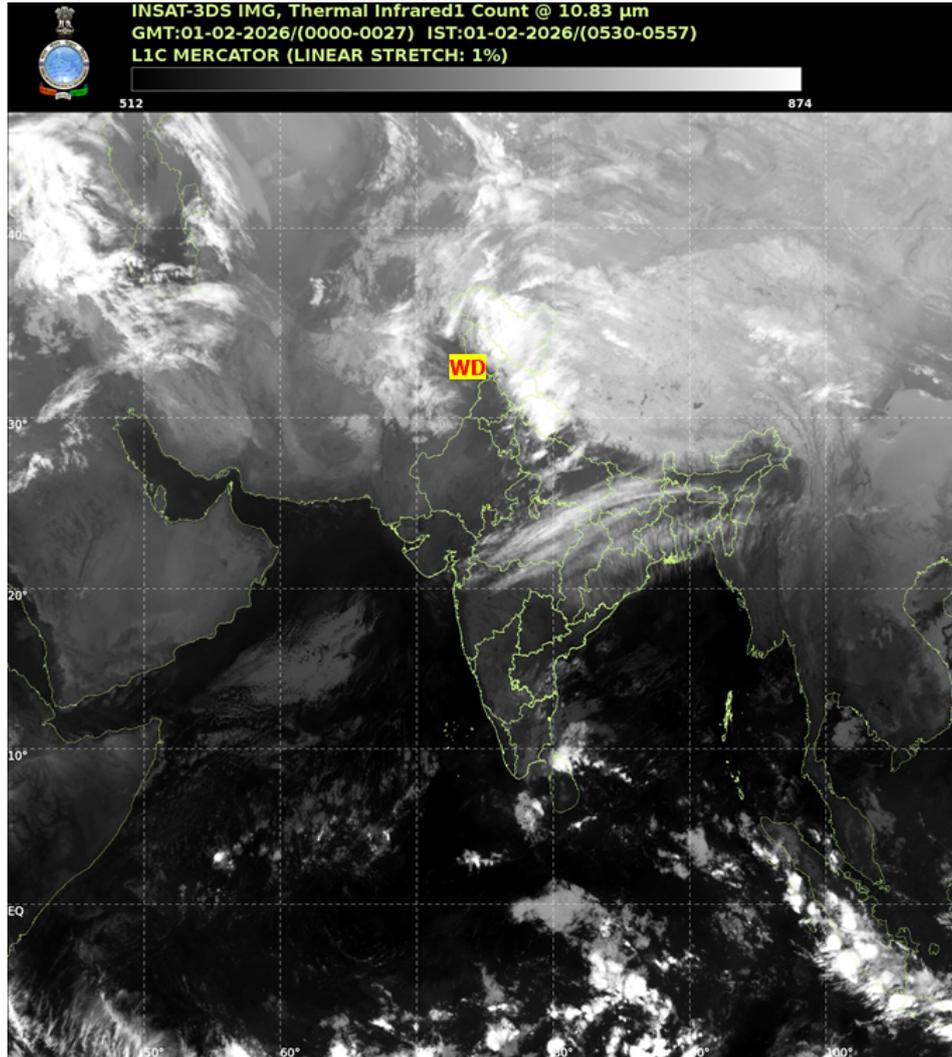
TCIN50 DEMS 010000

SATELLITE BULLETIN BASED ON INSAT-3DS PIC OF 010000 UTC (.)

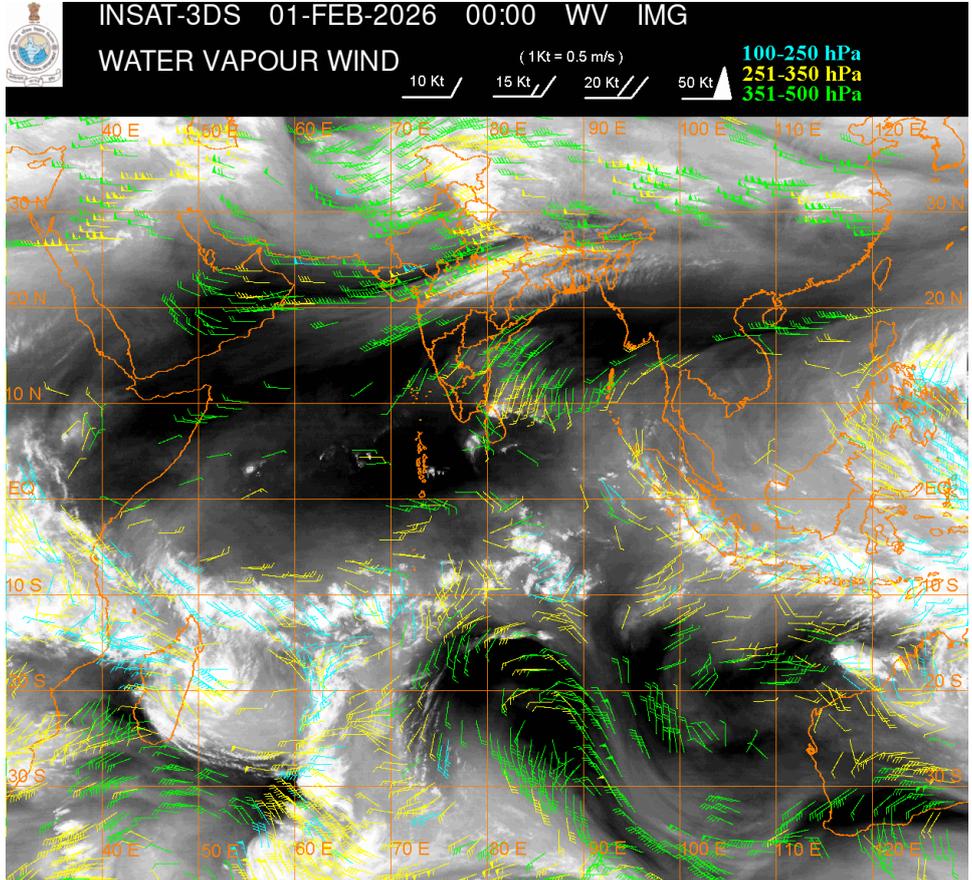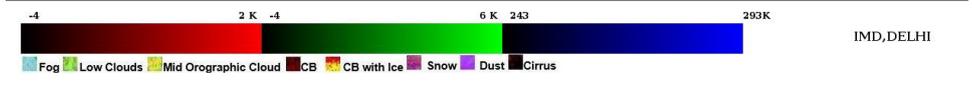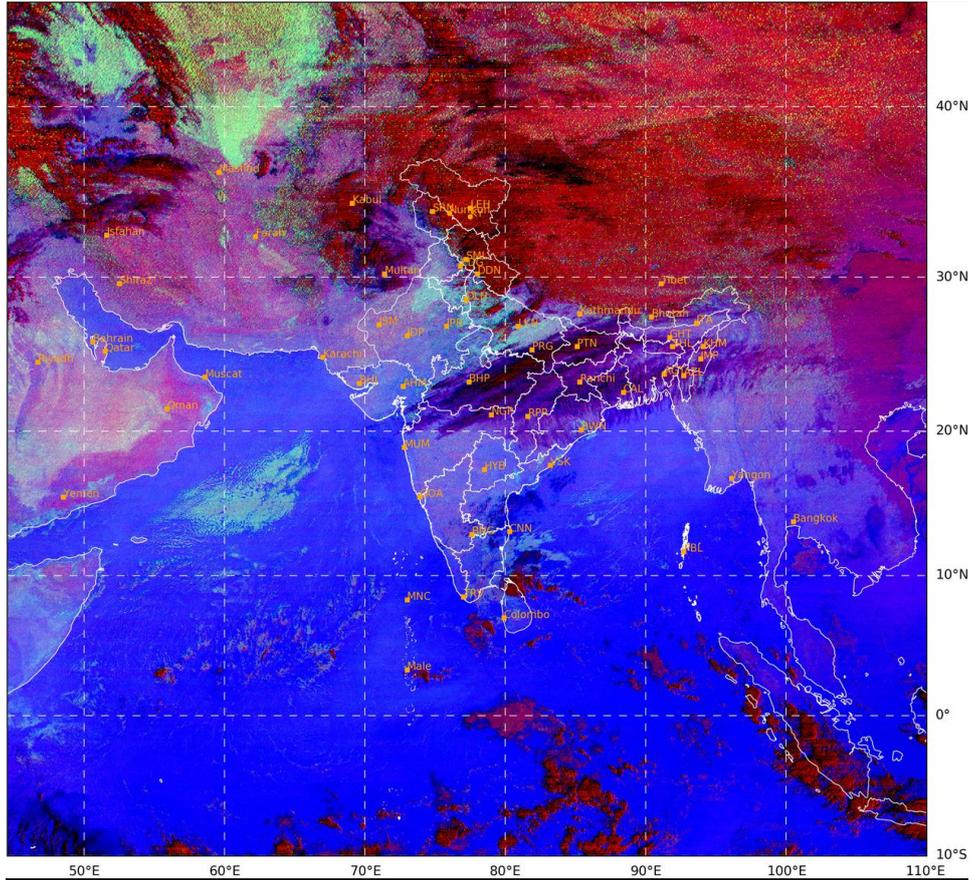**REGION COVERED BETWEEN LAT 50.0°N TO 35.0°S AND LONG 40.0°E TO 125.0°E (.)**

SALIENT FEATURES:

WESTERN DISTURBANCE (WD):-

SCT TO BKN MULTILAYERED CLOUDS OVER EAST AFGAN ADJ NORTH PAK LADAKH J&K HP UTRKND PJB HARY DLH EAST RAJ MP UP NEPAL TIBET ADJ CHINA IN ASSW WD OVER THE AREA (.)

FOG / LOW CLOUDS:-

SCT FOG / LOW CLOUDS OVER PJB HARY DLH N RAJ NW MP UP E ORS & N COTL AP (.)

IMD,DELHI

Fog | Low Clouds | Mid Orographic Cloud | CB | CB with Ice | Snow | Dust | Cirrus

INSAT-3DS   01-FEB-2026   00:00   WV   IMG

WATER VAPOUR WIND   (1Kt = 0.5 m/s)   100-250 hPa
                                                  251-350 hPa
10 Kt   15 Kt   20 Kt   50 Kt   351-500 hPa

CLOUD DESCRIPTION WITHIN INDIA:

NORTH:

SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER LADAKH J&K HP UTRKND NE HARY UP (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER E PJB REST HARY DLH (.)

EAST:

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER BHR JHRKND CHTGH ORS GWB SHWB SKM NORTH-EAST STATES & BD (.)

WEST:

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN EAST RAJ MP E GUJ NORTH MADHYA MAHA VID (.) ISOL LOW/MED CLOUDS OVER NW RAJ N KKN (.)

SOUTH:

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER SOUTH SIK RYLSM S COTL AP TN (.) ISOL TO SCT LOW/MED CLOUDS OVER TLNGN N COTL AP KER LKSDP ILS AREA ANDAMAN & NICOBAR ILS AREA (.)

ARABIAN SEA:

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER COMORIN AREA (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK CONVTN OVER CENTRAL & SOUTH ARSEA (.) SCT LOW/MED CLOUDS OVER NORTH ARSEA (.)

BAY OF BENGAL & ANDAMAN SEA:

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SW BAY AND ISOL WK TO MOD CONVTN OVER WC BAY SE BAY SOUTH ANDAMAN SEA (.) SCT LOW/MED CLOUDS OVER NORTH & EC BAY AND NORTH ANDAMAN SEA (.)

CLOUD DESCRIPTION OUTSIDE INDIA:

INSAT-3DS IMG, Thermal Infrared1 Count @ 10.83 μm
GMT:01-02-2026/(0000-0027) IST:01-02-2026/(0530-0557)
L1B FULL DISK (LINEAR STRETCH: 1%)

511   905
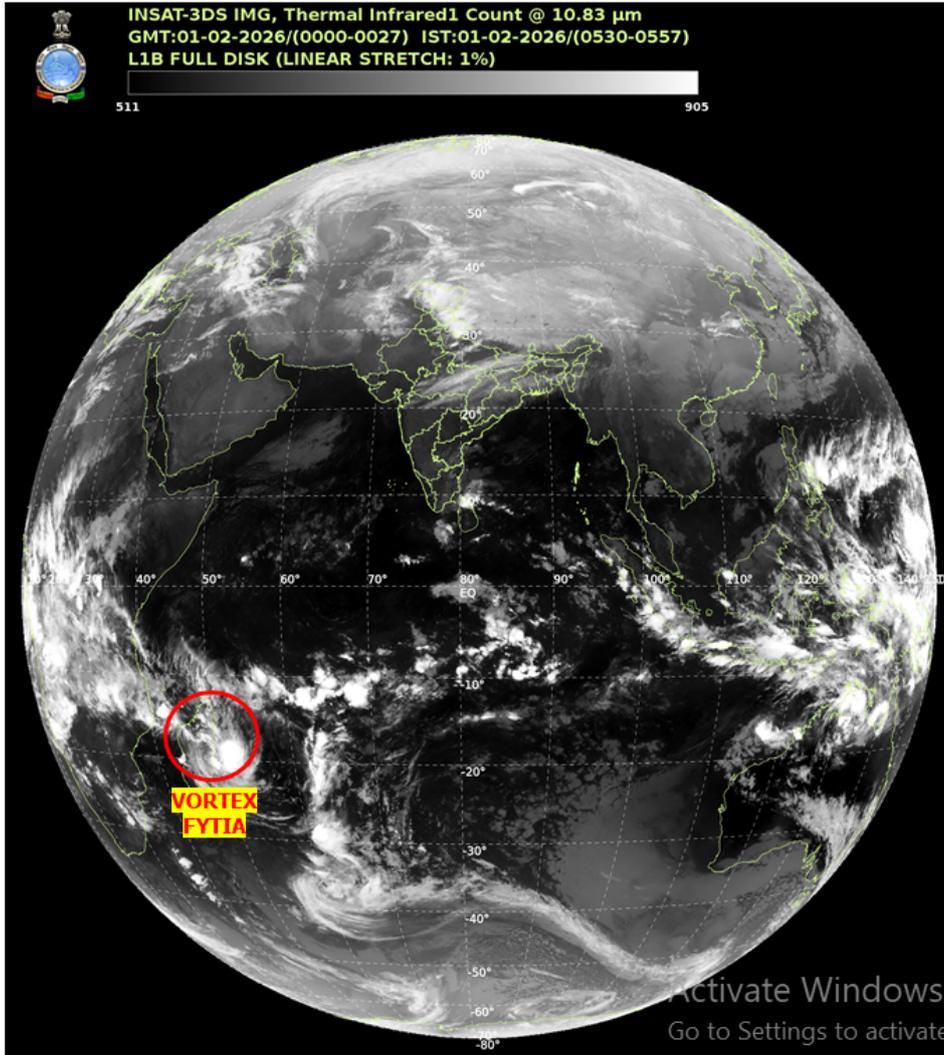
VORTEX
FYTIA

VORTEX (FYTIA) OVER CENTRAL MADAGASCAR & N/HOOD:-

VORTEX (FYTIA) OVER CENTRAL MADAGASCAR CENTERED NEAR 18.6S / 48.0E (.) OVERLAND (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 08.0S TO 25.0S LONG 40.0E TO 55.0E NORTH MOZAMBIQUE CHANNEL AND MADAGASCAR (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NORTH SRI LANKA PALK STR GULF OF MANNAR NORTH PAK NEPAL BHUTAN TIBET CHINA SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES SULU SEA MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 20.0S LONG 40.0E TO 120.0E AND BET LAT 20.0S TO 35.0S LONG 40.0E TO 80.0E (.)

T00 01/0715 HRS IST

NNNN

LEGEND

REGION	
NORTH	**J&K HP UTRKND PJB HARY DLH UP**
EAST	**BHR JHRKND CHTGH ORS WB SKM NORTH-EAST STATES**
WEST	**RAJ MP GUJ MAHA GOA**
SOUTH	**TLNGN AP KRNTK KER TN LKSDP ANDAMAN & NICOBAR ILS**

CLOUD DISTRIBUTION	
ISOL	ISOLATED (LESS THAN 25%)
SCT	SCATTERED (25 TO 50%)
BKN	BROKEN (51 TO 75%)
SLD	SOLID (GREATER THAN 75%)
CLOUDS TOP TEMPERATURE	
CTT	CLOUD TOP TEMPERATURE
CONVECTION	
WK CONVTN	WEAK CONVECTION (CTT GREATER THAN –25ºC)
MOD CONVTN	MODERATE CONVECTION (CTT BETWEEN -25ºC TO -40ºC)
INT CONVTN	INTENSE CONVECTION (CTT BETWEEN -41ºC TO -70ºC)
V INT CONVTN	VERY INTENSE CONVECTION (CTT LESS THAN -70ºC)
METEOROLOGICAL SUB-DIVISIONS, STATES & UNION TERRITORIES	
J&K	JAMMU AND KASHMIR
HP	HIMACHAL PRADESH
UTRKND	UTTARAKHAND
PJB	PUNJAB
HARY	HARYANA
DLH	DELHI
BHR	BIHAR
JHRKND	JHARKHAND
CHTGH	CHHATTISGARH
ORS	ORISSA
GWB	GANGETIC WEST BENGAL
SHWB	SUB-HIMALAYAN WEST BENGAL
SKM	SIKKIM
ARUPR	ARUNACHAL PRADESH
ASSAM	ASSAM
MEGHA	MEGHALAYA
MANI	MANIPUR
MIZO	MIZORAM
TRP	TRIPURA
RAJ	RAJASTHAN
MP	MADHYA PRADESH

GUJ	GUJARAT
SAU & KUTCH	SAURASHTRA & KUTCH
MAHA	MAHARASHTRA
M MAHA	MADHYA MAHARASHTRA
MRTHWD	MARATHWADA
VID	VIDARBHA
KKN	KONKAN
TLNGN	TELANGANA
RYLSM	RAYALSEEMA
COTL AP	COASTAL ANDHRA PRADESH
NIK	NORTH INTERIOR KARNATAKA
SIK	SOUTH INTERIOR KARNATAKA
COTL KRNTK	COASTAL KARNATAKA
KER	KERALA
TN	TAMILNADU
LKSDP	LAKSHADWEEP
ILS	ISLANDS
ARSEA	ARABIAN SEA
MISCELLANEOUS	
ASSW	IN ASSOCIATION WITH
ASSTD	ASSOCIATED
LLC	LOW LEVEL CIRCULATION
EMBDD	EMBEDDED
N/HOOD	NEIGHBOURHOOD
EXT	EXTREME