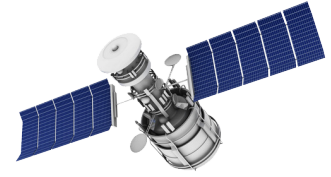


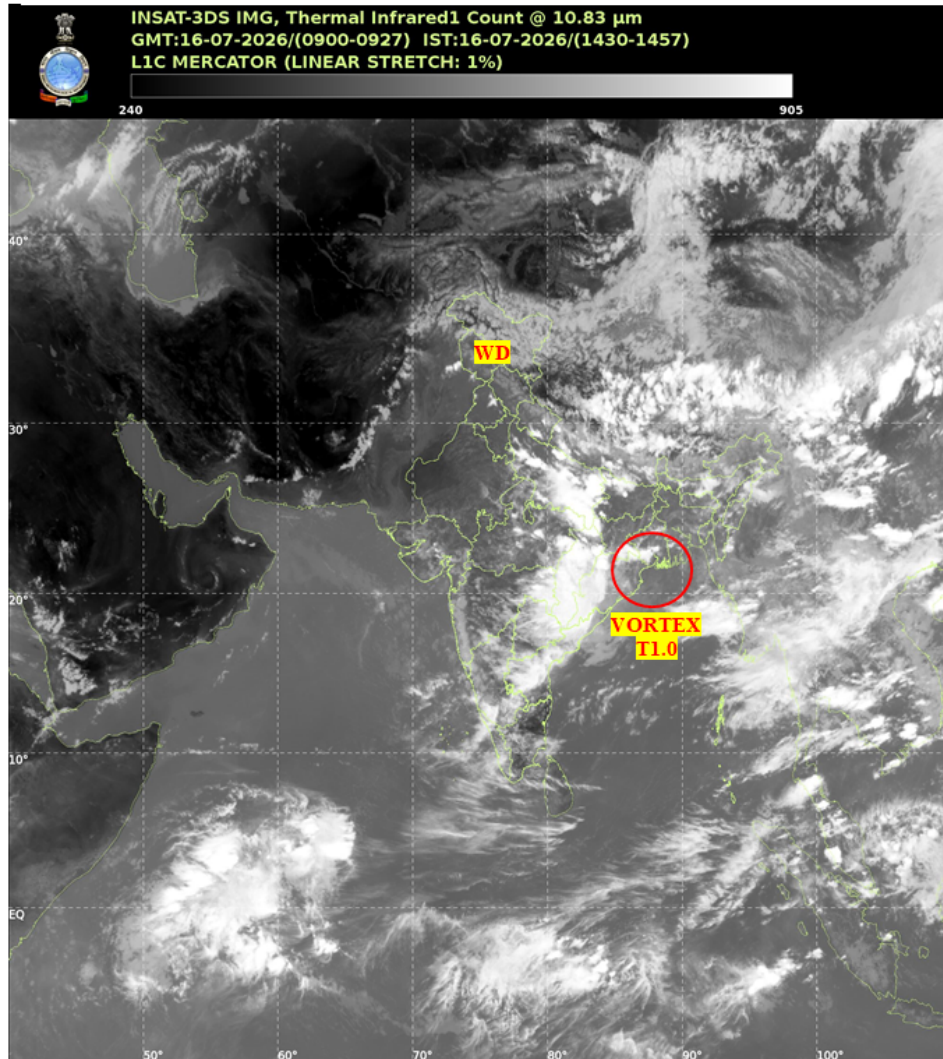


भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय
India Meteorological Department
Ministry of Earth Sciences



SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS

Date: 2026-07-16 Time: 09:00:00 UTC



TCIN50 DEMS 160900

SATELLITE BULLETIN BASED ON INSAT-3DS PIC OF 160900 UTC (.)

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

SALIENT FEATURES:

VORTEX OVER NORTH-WEST BAY ADJOINING NORTH ODISHA-GWB COASTS AND N/HOOD:-

VORTEX OVER NORTH-WEST BAY ADJOINING NORTH ODISHA-GWB COASTS AND N/HOOD
CENTERED WITHIN HALF A DEGREE OF 21.5N / 87.5E (.) INTENSITY T1.0 (.) ASSTD SCT TO BKN
LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER CHTGH ORS N COTL AP (MINIMUM
CTT MINUS 70-90 DEGREE CELSIUS) AND MOD TO INT CONVTN OVER JHRKND GWB NW & WC BAY
(MINIMUM CTT MINUS 40-70 DEGREE CELSIUS) (.)

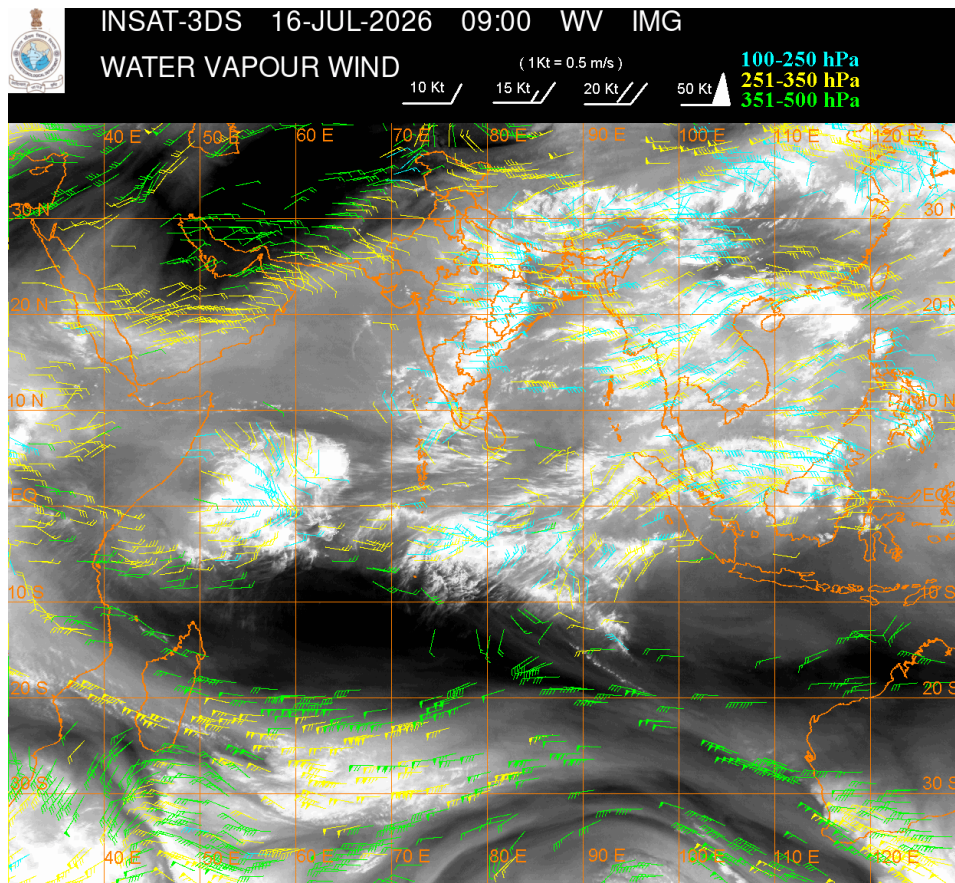
WESTERN DISTURBANCE (WD):-

SCT MULTILAYERED CLOUDS OVER J&K LADAKH HP UTRKND TIBET ADJ CHINA IN ASSW WD OVER THE AREA (.)

CONVECTIVE / THUNDERSTORM ACTIVITY:-

INTENSE TO VERY INTENSE CONVECTIVE / THUNDERSTORM ACTIVITY OVER UP W JHRKND CHTGH W ORS E MP VID TLNGN RYLSM COTL AP (MINIMUM CTT MINUS 70-90 DEGREE CELSIUS) (.)

MODERATE TO INTENSE CONVECTIVE / THUNDERSTORM ACTIVITY OVER UTRKND E PJB JHRKND E ORS GWB SHWB SKM NORTH-EAST STATES KRNTK KER TN LKSDP ILS AREA ANDAMAN & NICOBAR ILS AREA (MINIMUM CTT MINUS 40-70 DEGREE CELSIUS) (.)



CLOUD DESCRIPTION WITHIN INDIA:

NORTH:

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

EAST:

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER W JHRKND CHTGH W ORS (.) SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER JHRKND E ORS GWB SHWB SKM NORTH-EAST STATES (.) SCT LOW/MED CLOUDS OVER E BHR (.)

WEST:

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER E MP VID (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER E RAJ W MP GUJ MRTHWD MADHYA MAHA KKN GOA (.) SCT LOW/MED CLOUDS OVER W RAJ (.)

SOUTH:

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER TLNGN RYLSM COTL

AP (.) SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER KRNTK KER TN
LKSDP ILS AREA ANDAMAN & NICOBAR ILS AREA (.)

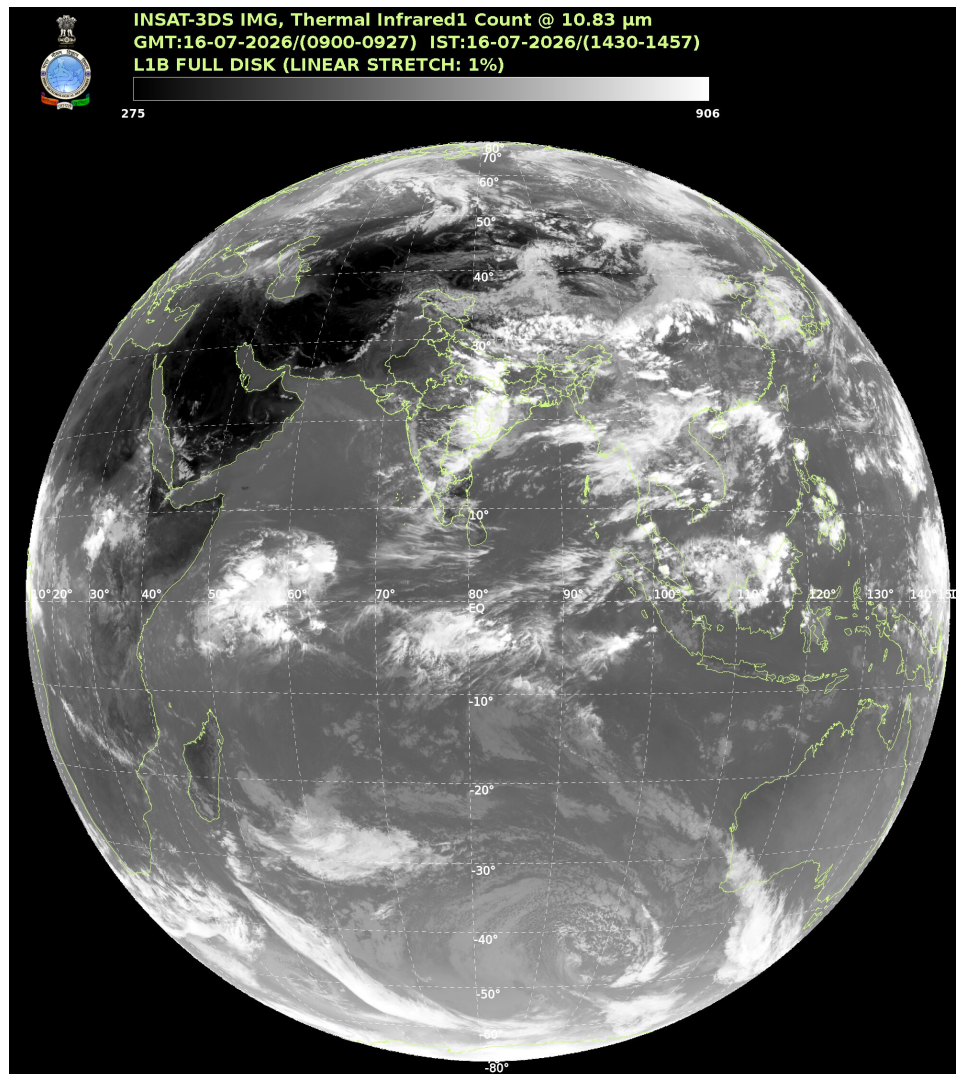
ARABIAN SEA:

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

BAY OF BENGAL & ANDAMAN SEA:

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER NE ADJ EC BAY
ARAKAN COAST ANDAMAN SEA GULF OF MARTABAN AND TENASSERIM COAST (.) SCT LOW/MED
CLOUDS WITH EMBDD ISOL MOD TO INT CONVTN OVER REST BAY (.)

CLOUD DESCRIPTION OUTSIDE INDIA:



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRI LANKA PALK STR GULF OF
MANNAR MALDIVES AREA PAK NEPAL BHUTAN TIBET CHINA YELLOW SEA EAST CHINA SEA
TAIWAN MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS VIETNAM GULF OF TONKIN
HAINAN SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA CELEBES ILS & SEA
PHILIPPINES SULU SEA AND OVER INDIAN OCEAN BET LAT 5.0N TO 10.0S LONG 40.0E TO 100.0E
(.)

T00 16/1530 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 -25°C)
MOD CONVTN	MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°C)
INT CONVTN	INTENSE CONVECTION (CTT BETWEEN -41°C TO -70°C)
V INT CONVTN	VERY INTENSE CONVECTION (CTT LESS THAN -70°C)
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