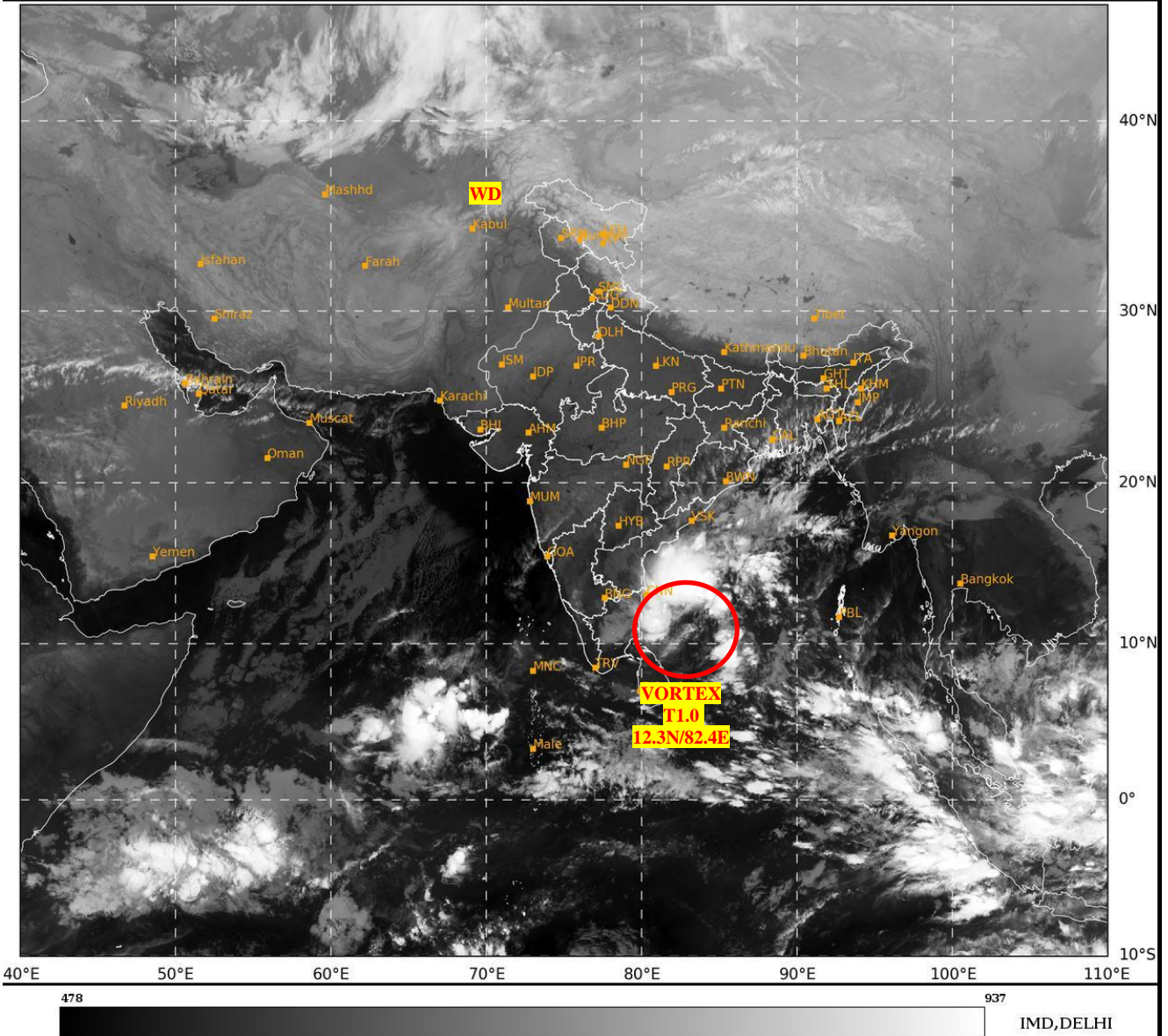




**SATELLITE BULLETIN BASED ON SATELLITE
IMAGERIES AND PRODUCTS**
19.12.2024 TIME 0000 UTC

SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
LIC Mercator

19-12-2024/(0115 to 0142) GMT
19-12-2024/(0645 to 0712) IST



TCIN50 DEMS 190000

SATELLITE BULLETIN BASED ON INSAT-3DR PIC OF 190015 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 SOUTH WEST BAY & N/HOOD:-

VORTEX OVER SOUTH WEST BAY & N/HOOD CENTERED **WITHIN HALF A DEGREE OF 12.3N / 82.4E** (.) INTENSITY **T1.0** (.) ASSTD SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER SOUTH & CENTRAL BAY BET LAT 8.0N TO 16.0N AND LONG 80.0E TO 90.0E (.) MINIMUM **CTT MINUS 75-85 DEG CEL** (.)

WESTERN DISTURBANCE:-

SCT MULTILAYERED CLOUDS OVER E IRAN AFGHANISTAN LADAKH J&K & N/HOOD IN ASSW **WD** OVER THE AREA (.)



INSAT-3DR 19-DEC-2024 01:15 WV IMG

WATER VAPOUR WIND

(1Kt = 0.5 m/s)

10 Kt

15 Kt

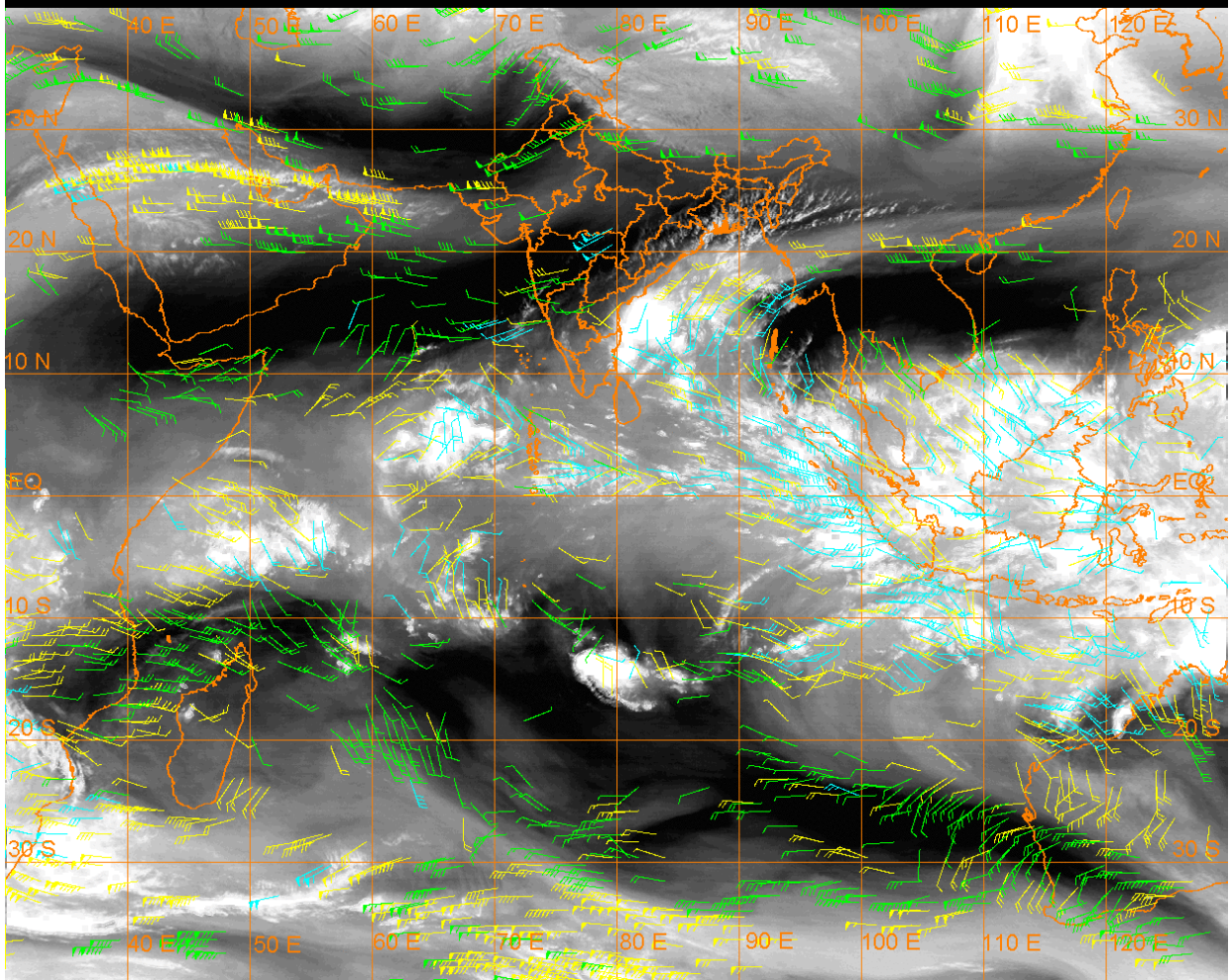
20 Kt

50 Kt

100-250 hPa

251-350 hPa

351-500 hPa



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER LADAKH J&K N HP & N UTRKND (.)

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK CONVTN OVER ORS GWB SKM MIZO TRP & S BD (.) ISOL TO SCT LOW/MED CLOUDS OVER JHRKND CHTGH SHWB & REST NE STATES (.)

WEST:-

ISOL LOW/MED CLOUDS OVER MAHA & GOA (.)

SOUTH:-

ISOL TO SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER N COTL AP TN & NICOBAR ILS (.) SCT LOW/MED CLOUDS OVER KRNTK RYLSM TLNGN KER ANDMAN ILS (.)

ARABIAN SEA:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER SOUTH ARSEA MALDIVES AREA & ADJ EQUATORIAL INDIAN OCEAN (MINIMUM **CTT MINUS 70-85 DEG CEL**) (.) ISOL LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EC ARSEA & COMORIN AREA AND ISOL WK CONVTN OVER NW ADJ WC ARSEA (.)

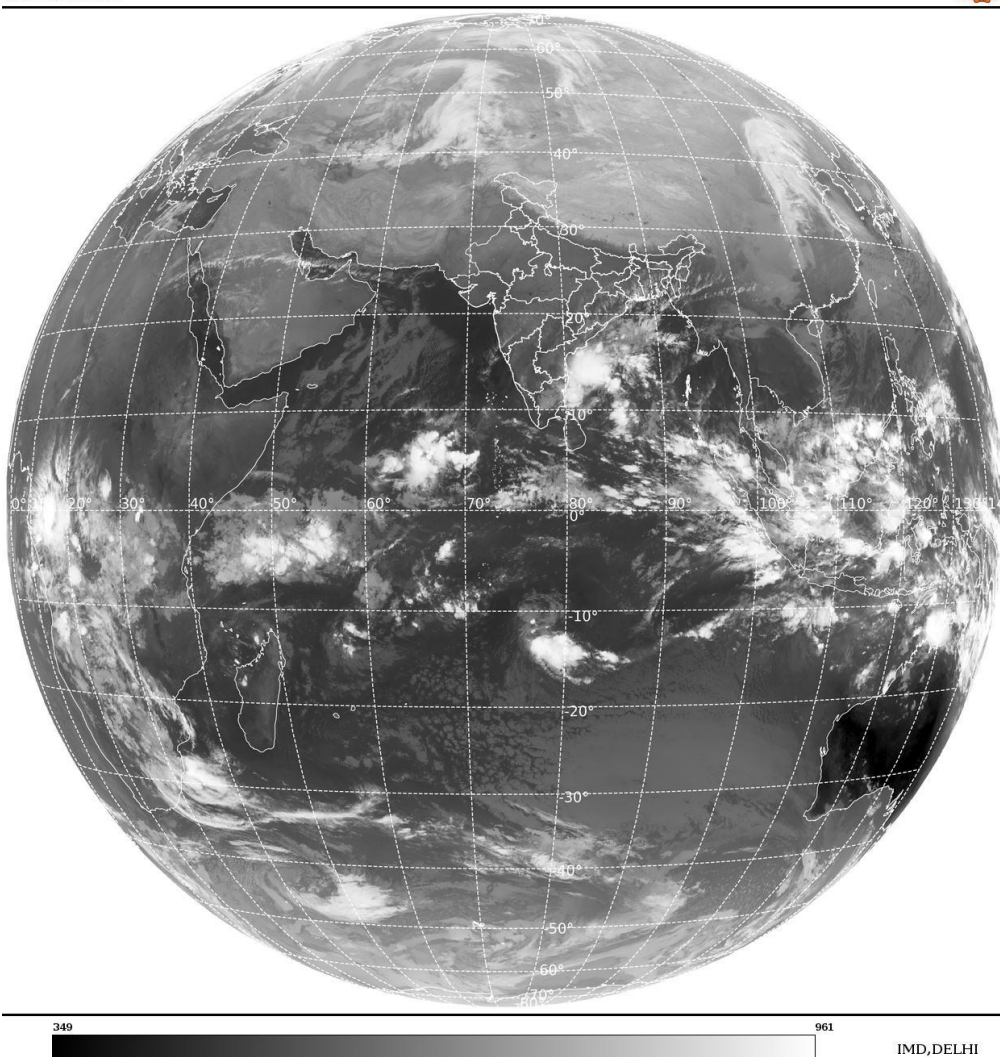
BAY OF BENGAL & ANDAMAN SEA:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER CENTRAL & SOUTH BAY SOUTH ANDAMAN SEA (MINIMUM **CTT MINUS 70-85 DEG CEL**) (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NORTH BAY (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-

SAT : INSAT-3DR IMG
 Thermal Infrared1 Count 10.8 um
 L1B FULL DISK

19-12-2024/(0115 to 0142) GMT
 19-12-2024/(0645 to 0712) IST



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRI LANKA PALK STR GULF OF MANNAR MALDIVES W NEPAL TIBET CHINA YELLOW SEA EAST CHINA SEA SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES SULU SEA AND OVER INDIAN OCEAN BET LAT 5.0N TO 10.0S LONG 40.0E TO 80.0E & BET LAT 10.0S TO 20.0S LONG 80.0E TO 125.0E (.)

TOO 19/0730 EF=

NNNN

LEGEND:-

REGION	NORTH	J&K HP PJB HARY DLH UP UTRKND
	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 CONV TN	WEAK CONVECTION (CTT GREATER THAN -25°C)	
	MOD CONV TN	MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°C)	
	INT CONV TN	INTENSE CONVECTION (CTT BETWEEN -41°C TO -70°C)	
	V INT CONV TN	VERY INTENSE CONVECTION (CTT LESS THAN -70°C)	
METEOROLOGICAL SUB- DIVISIONS, STATES & UNION TERRITORIES	ARUPR	ARUNACHAL PRADESH	
	BHR	BIHAR	
	CHTGH	CHHATTISGARH	
	COTL AP	COASTAL ANDHRA PRADESH	
	COTL KRNTK	COASTAL KARNATAKA	
	COTL ORS	COASTAL ORISSA	
	GUJ	GUJARAT	
	GWB	GANGETIC WEST BENGAL	
	HARY	HARYANA	
	DLH	DELHI	
	HP	HIMACHAL PRADESH	
	J&K	JAMMU AND KASHMIR	
	JHRKND	JHARKHAND	
	KER	KERALA	
	KKN	KONKAN	
	LKSDP	LAKSHADWEEP	
	M MAHA	MADHYA MAHARASHTRA	
	MAHA	MAHARASHTRA	
	MANI	MANIPUR	
	MEGHA	MEGHALAYA	
	MIZO	MIZORAM	
	MP	MADHYA PRADESH	
		MRTHWD	MARATHWADA
		NAGA	NAGALAND
		N COTL AP	NORTH COASTAL ANDHRA PRADESH
		NIK	NORTH INTERIOR KARNATAKA
ORS		ORISSA	
PJB		PUNJAB	
RAJ		RAJASTHAN	
RYLSM		RAYALASEEMA	
SAU & KUTCH		SAURASHTRA & KUTCH	
SHWB		SUB-HIMALAYAN WEST BENGAL	
SIK		SOUTH INTERIOR KARNATAKA	
SKM		SIKKIM	
TLNGN		TELANGANA	
TN		TAMIL NADU	
TRP		TRIPURA	
UP		UTTAR PRADESH	
UTRKND		UTTARAKHAND	
VID		VIDHARBHA	

	SHWB	SUB HIMALAYAN WEST BENGAL
	GWB	GANGETIC WEST BENGAL
	ARSEA	ARABIAN SEA
	ILS	ISLANDS
MISCELLANEOUS	ASSW	IN ASSOCIATION WITH
	ASSTD	ASSOCIATED
	LLC	LOW LEVEL CIRCULATION
	EMBDD	EMBEDDED
	N/HOOD	NEIGHBOURHOOD
	EXT	EXTREME