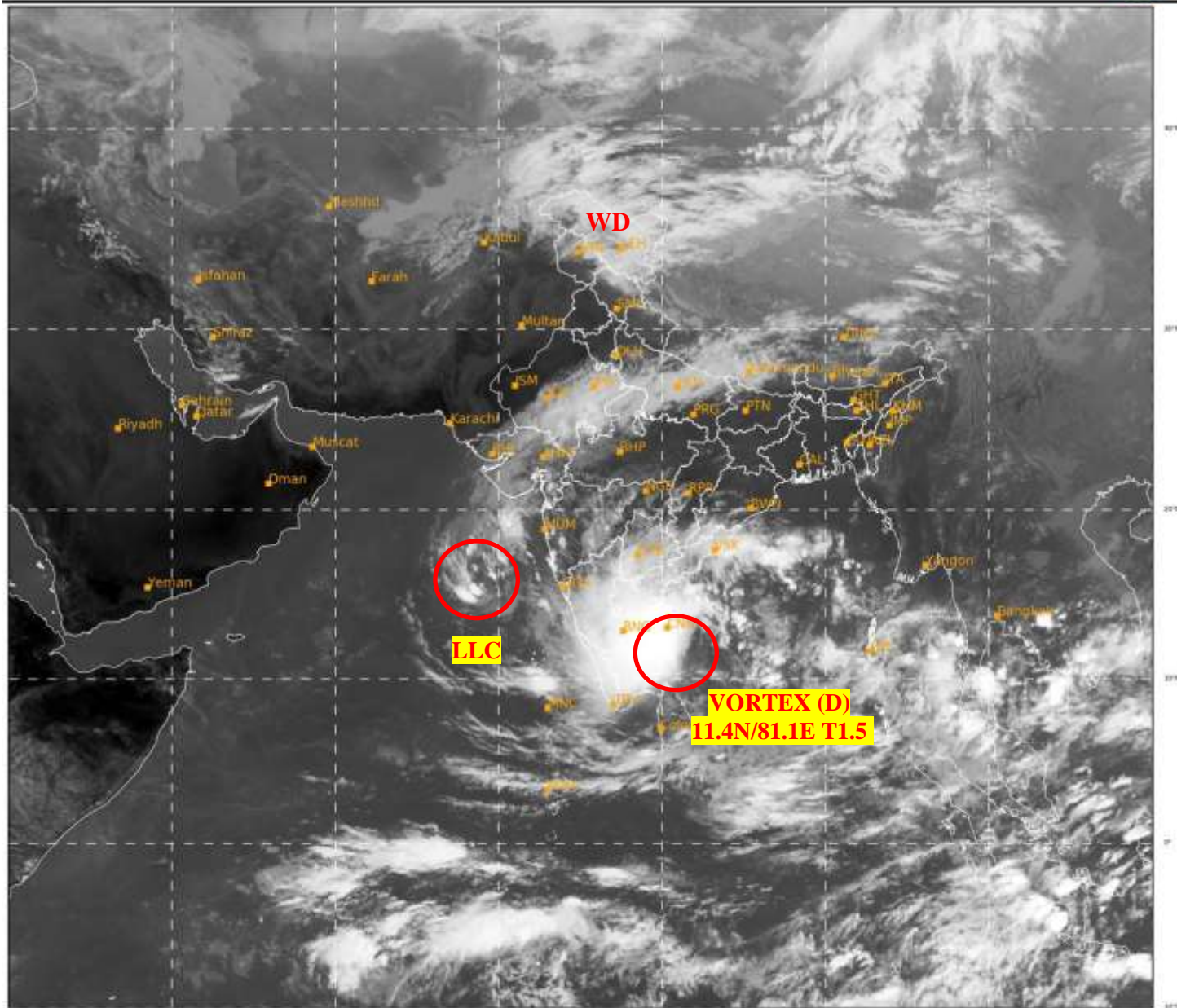




SATELLITE BULLETIN BASED ON SATELLITE
IMAGERIES AND PRODUCTS
18.11.2021 TIME 0900 UTC

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

18-11-2021/(0900 to 0926) GMT
18-11-2021/(1430 to 1456) IST



367

957

IMD, DELHI

TCIN50 DEMS 180900

SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 180900 UTC (.)

REGION COVERED BETWEEN LAT 50.0°N TO 30.0°S AND LONG 40.0°E TO 125.0°E (.)

SALIENT FEATURES:-

VORTEX (D) OVER SW BAY OFF NORTH TAMILNADU COAST & N/HOOD :-

VORTEX OVER SW BAY OFF N TN COAST & N/HOOD CENTERED WITHIN HALF A DEGREE OF **11.4N/81.1E** (.) INTENSITY **T1.5/1.5** (.) SHEAR PATTERN (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER SW ADJ WC BAY BET LAT 10.0N TO 14.5N AND WEST OF LONG 81.5E ALSO OVER TN ADJ S AP SE SIK (.) MINIMUM CTT MINUS **93** DEG C (.) MICROWAVE IMAGERY AT 0754Z EXPOSES THE LOW LEVEL CIRCULATION TO THE EAST OF THE CLOUD MASS (.) INTENSE CONVECTION CLOUD MASS IS SHEARED TO WEST OF THE SYSTEM CENTRE (.) DUE TO LAND INTERACTION THE COVECTIVE CLOUD MASS OVER NORTH-TAMILNADU IS SLIGHTLY DISORGANISED AND FRACTURED INTO MULTIPLE CONVECTIVE CELLS SPREAD ACROSS NORTH TN ADJ S AP (.)

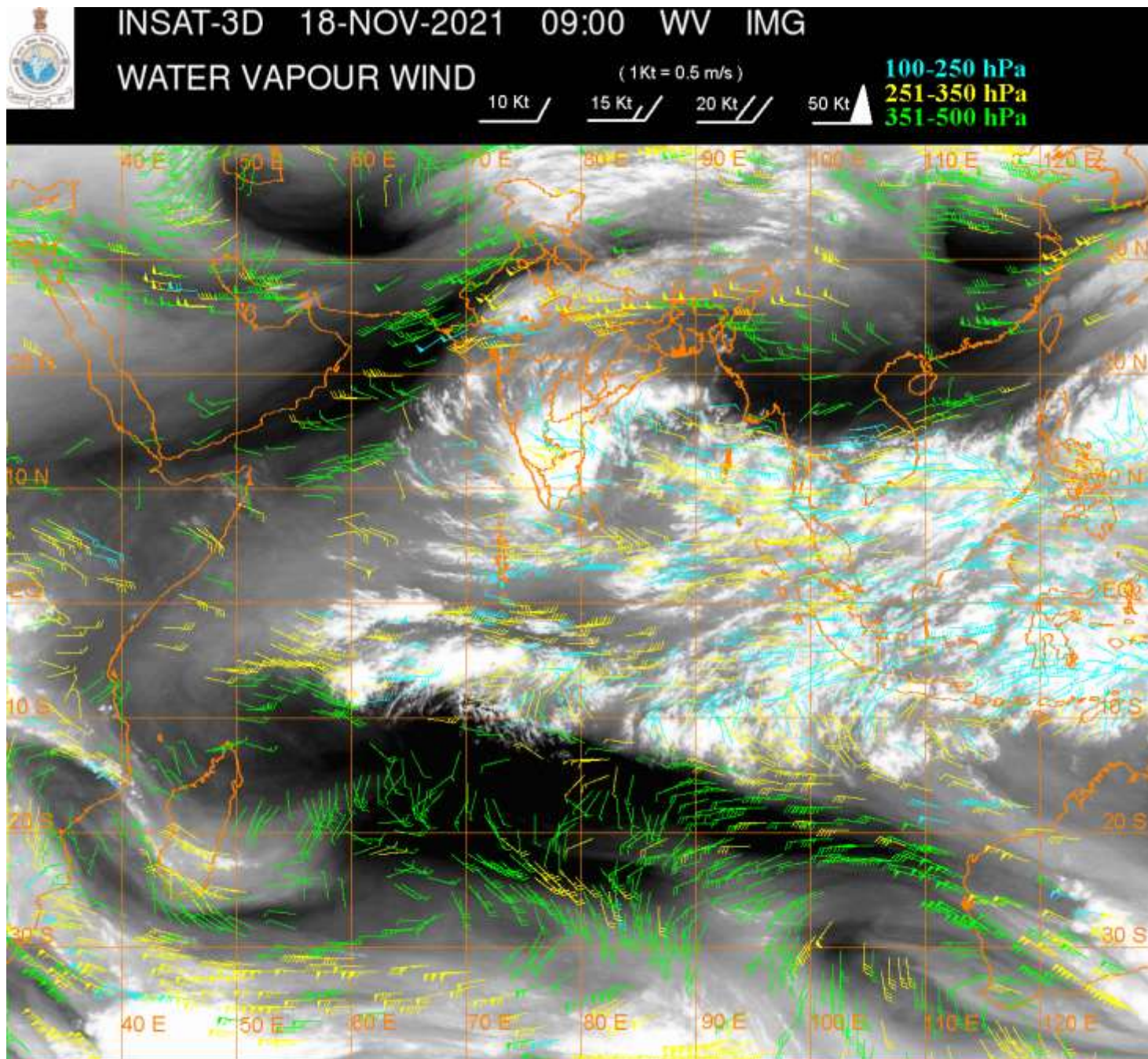
LLC OVER EC ARSEA:-

LOW LEVEL CIRCULATION (**LLC**) OVER EC ARSEA (.) ASSTD SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EC ARSEA BET LAT 15.0N TO 19.0N LONG 67.0E TO 71.0E (.) MINIMUM CTT MINUS **70** DEG C (.)

THE SYSTEM PERSISTS OVER THE SAME AREA DURING PAST 18 HOURS (.) ASSTD OUTFLOW CLOUD BANDS LIES OVER GUJ E RAJ NW MP UP ADJ NEPAL (.)

WESTERN DISTURBANCE (WD):-

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



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER LADAKH AND WK TO MOD CONVTN OVER J&K N HP UP (.) SCT LOW/MED CLOUDS OVER SE HARY DLH N UTRKND (.)

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER S CHTGH S ORS NW BHR ARUPR (.) ISOL TO SCT LOW/MED CLOUDS OVER N CHTGH N ORS SKM REST NE STATES (.)

WEST:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER E RAJ SE GUJ KKN SOUTH MADHYA MAHA AND WK TO MOD CONVTN OVER REST GUJ NW MP REST MAHA & GOA (.) SCT LOW/MED CLOUDS OVER S MP (.)

SOUTH:-

BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER TN SE SIK S RYLSM S COTL AP (MINIMUM CTT MINUS 93 DEG C) (.) SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER TLNGN N RYLSM N COTL AP REST KRNTK KER LKSDP ANDAMAN & NICOBAR ILS (.)

ARABIAN SEA:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EC & SE AESEA COMORIN AREA (.)

BAY OF BENGAL & ANDAMAN SEA:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER WC BAY OFF N TN COAST (MINIMUM CTT MINUS 93 DEG C) & WC BAY (MINIMUM CTT MINUS 85 DEG C) (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EC BAY & REST S BAY ANDAMAN SEA (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S SRI LANKA PALK STR MALDIVES NEPAL TIBET N CHINA S THAILAND GULF OF THAILAND CAMBODIA S VIETNAM 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 13.0S LONG 58.0E TO 110.0E (.)

TOO 18/1550EF=

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 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	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