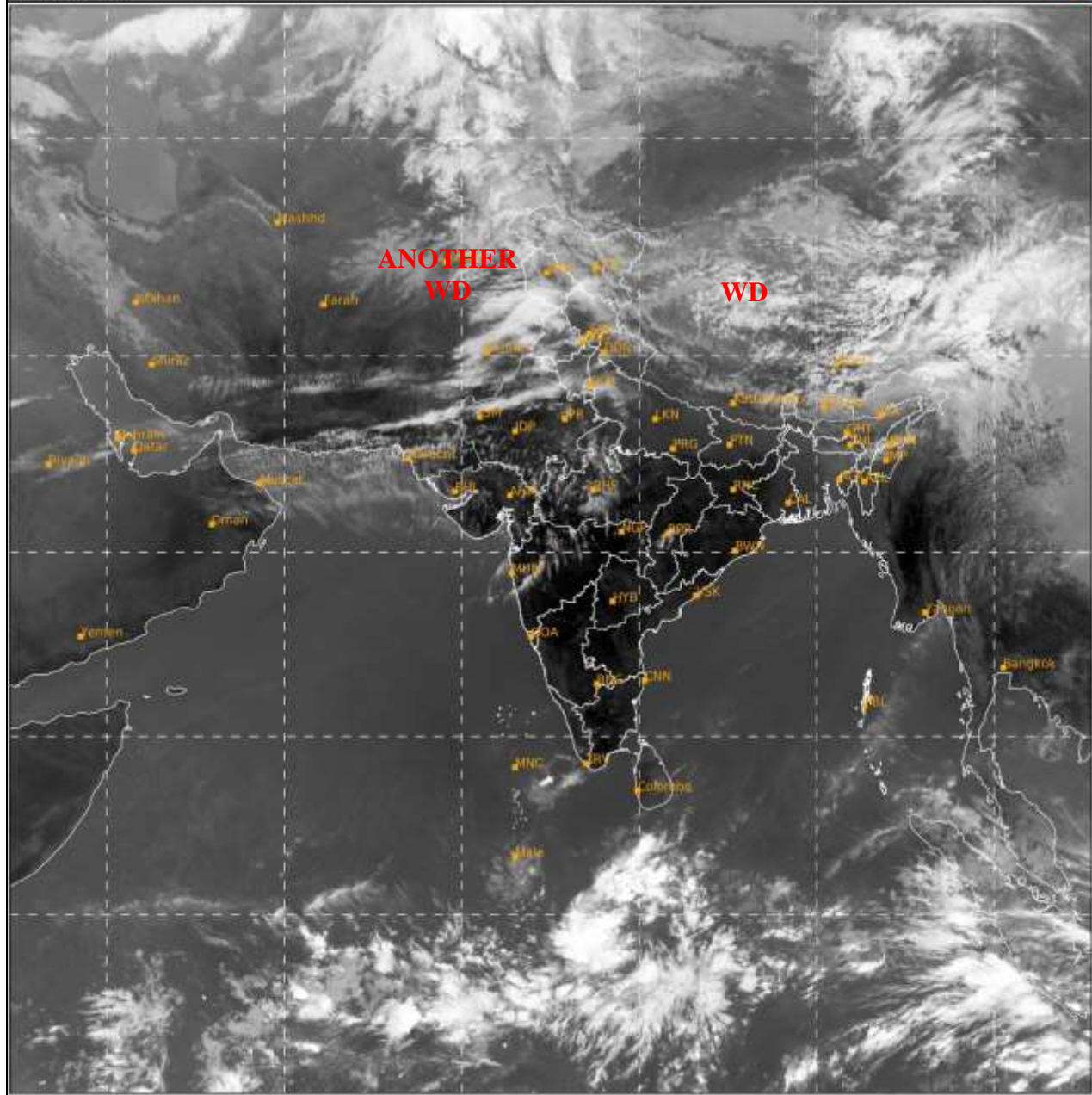




**SATELLITE BULLETIN BASED ON SATELLITE  
IMAGERIES AND PRODUCTS**  
**22.02.2023 TIME 0600 UTC**

SAT : INSAT-3D IMG  
IMG\_TIR1 10.8 um  
LIC Mercator

22-02-2023/(0600 to 0627) GMT  
22-02-2023/(1130 to 1157) IST



300

919

IMD, DELHI

**TCIN50 DEMS 220600**

**SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 220600 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):-**

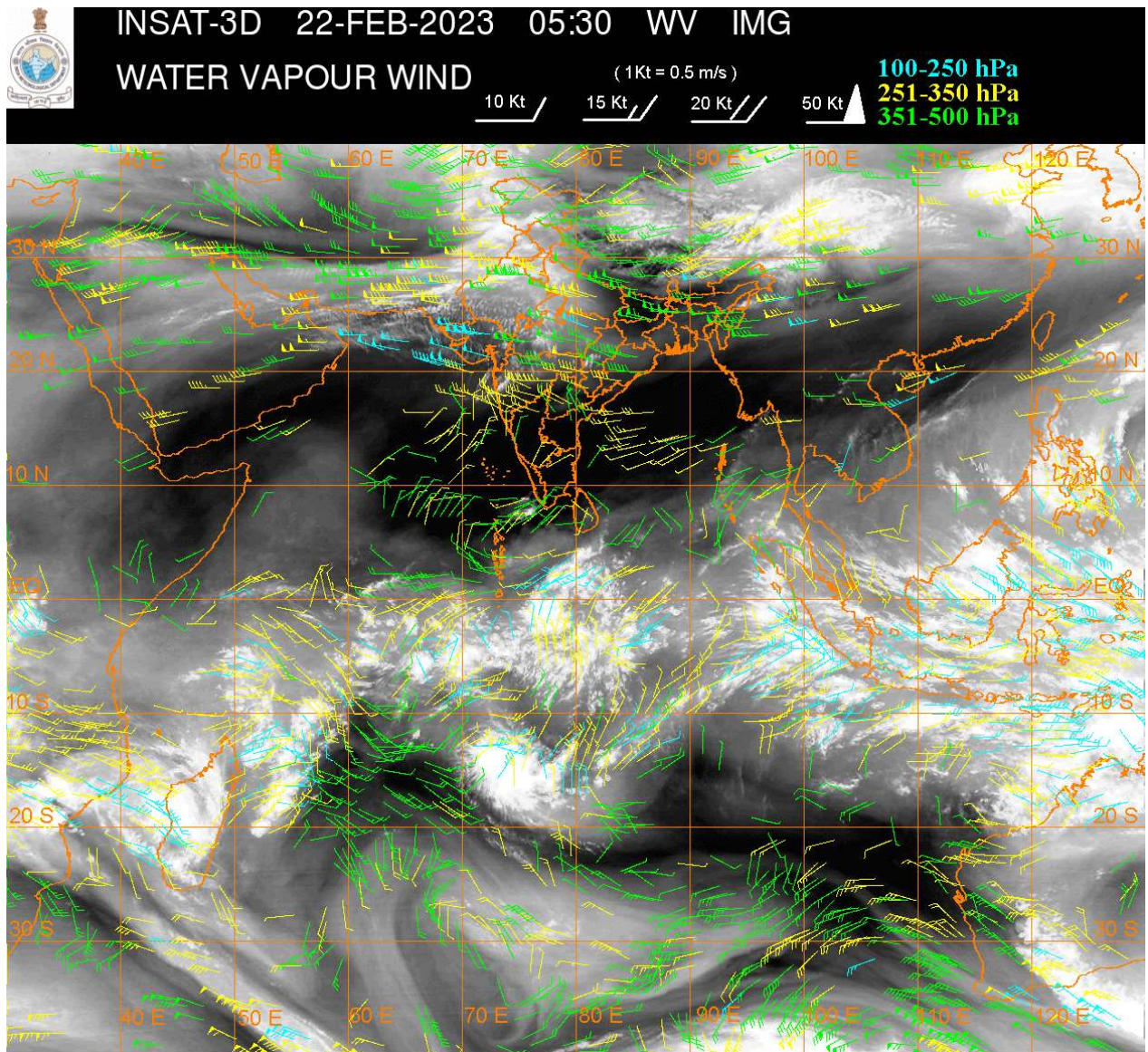
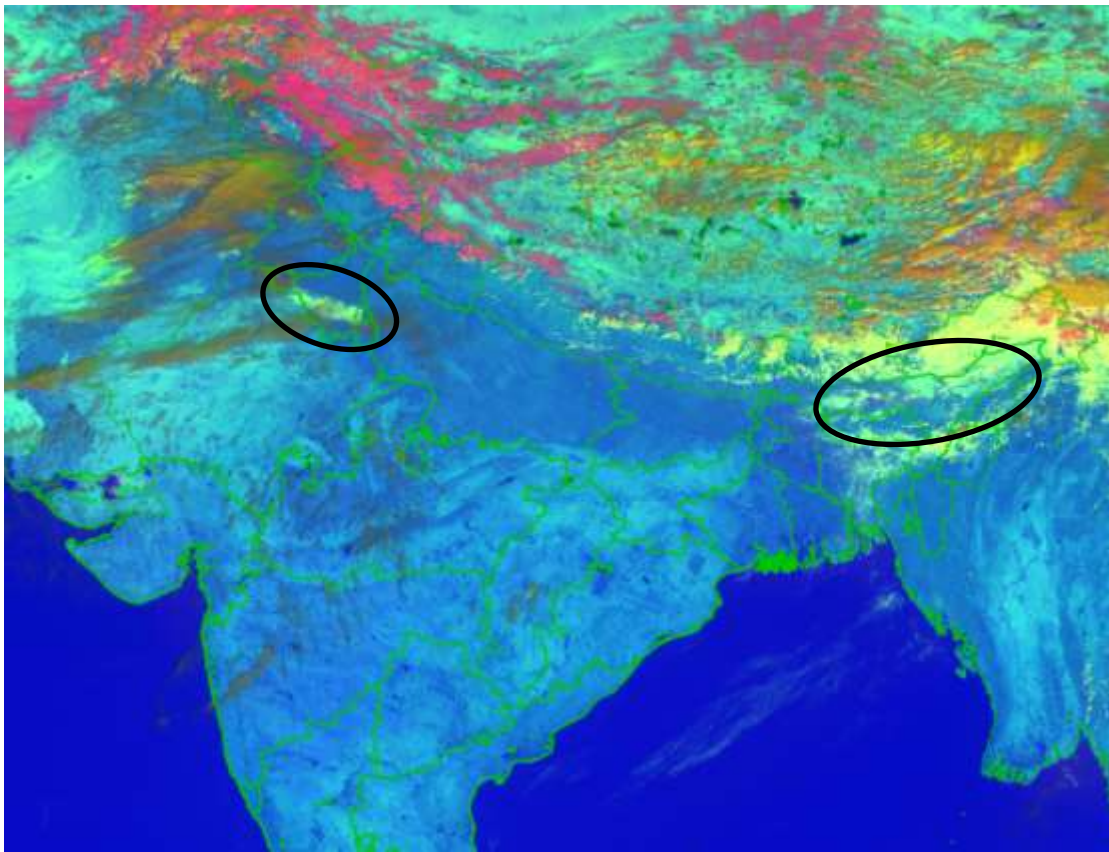
**SCT MULTILAYERED CLOUDS OVER TIBET ADJ CHINA IN ASSW **WD** OVER THE AREA (.)**

**SCT MULTILAYERED CLOUDS OVER E AFGAN PAK J&K PJB RAJ HARY AND N/HOOD IN ASSW **ANOTHER WD** OVER THE AREA (.)**

**FOG/LOW CLOUDS:-**

**DAY MICORPHYSICS RGB IMAGERY OF INSAT-3D (RAPID ) AT 0600 UTC INDICATES SCT TO BKN FOG/LOW CLOUDS OVER C HARY W DLH ASSAM (.)**





**CLOUDS DESCRIPTION WITHIN INDIA:-**

**NORTH:-**

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S J&K (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER LADAKH N J&K N HP N UTRKND PJB HARY NW UP (.)

**EAST:-**

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER E ARUPR AND WK TO MOD CONVTN OVER C CHTGH SKM W ARUPR S ASSAM NAGA N MANI (.) SCT LOW/MED CLOUDS OVER REST NE STATES (.)



**WEST:-**

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

**SOUTH:-**

SCT LOW/MED CLOUDS OVER N KER LKSDP ILS ANDAMAN & NICOBAR ILS (.)

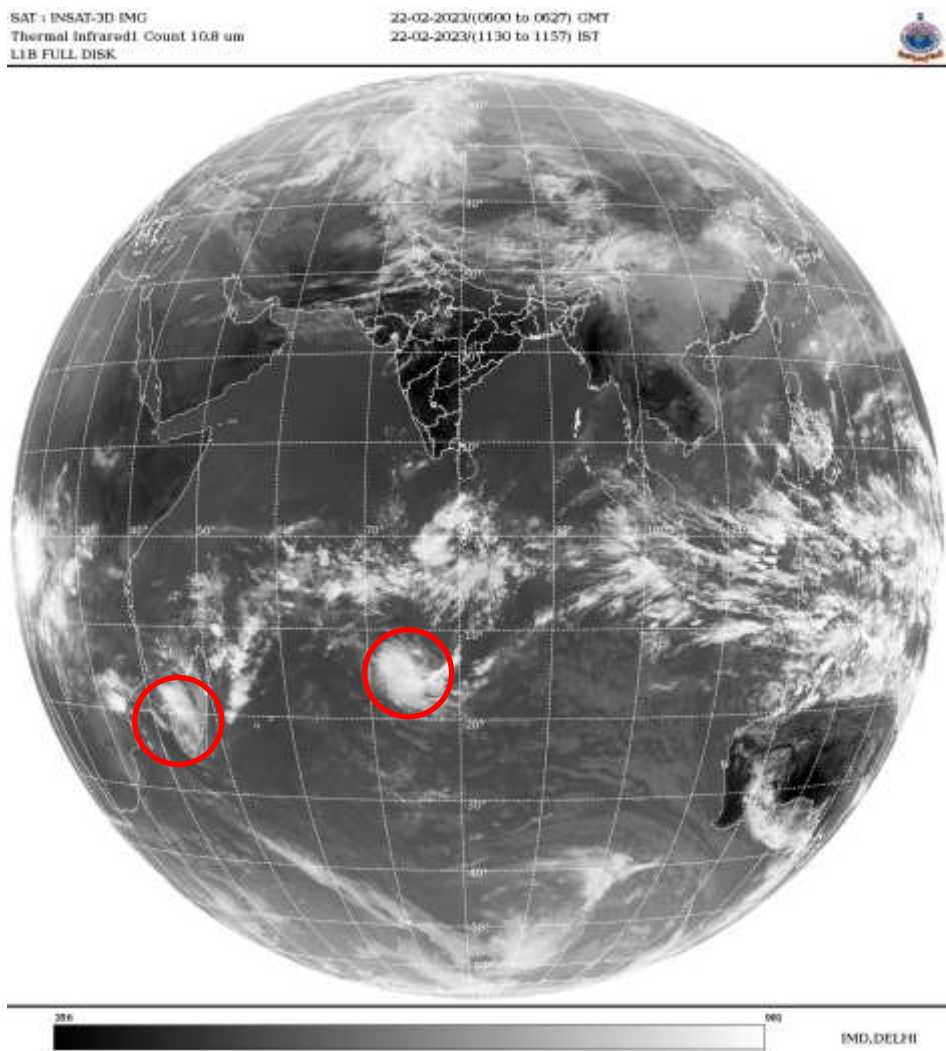
**ARABIAN SEA:-**

SCT LOW/MED CLOUDS WITH EMBDD ISOL MOD TO INT CONVTN OVER COMORIN (.) SCT MED/HIGH CLOUDS OVER N ARSEA (.)

**BAY OF BENGAL & ANDAMAN SEA:-**

SCT LOW/MED CLOUDS WITH EMBDD ISOL MOD TO INT CONVTN OVER S ANDAMAN SEA (.)

**CLOUDS DESCRIPTION OUTSIDE INDIA:-**



**VORTEX (FREDDY) OVER MADAGASCAR & N/HOOD:-**

VORTEX (**FREDDY**) OVER MADAGASCAR & N/HOOD (**AREA D75**) CENTERED NEAR **21.2S / 45.0E** (.) **OVERLAND** (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER MADAGADKAR AND N/HOOD BET LAT 17.0S TO 22.0S LONG 41.0E TO 47.0E (.)

ANOTHER VORTEX OVER SOUTH INDIAN OCEAN (**AREA E80**) CENTERED NEAR **14.5S / 75.0E** (.) INTENSITY **T2.5** (.) CORRESPONDING MAXIMUM SUSTAINED WINDS OF **28-33** KNOTS (.) ASSTD SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 11.0S TO 17.0S LONG 71.0E TO 78.0E (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER TIBET CHINA SUMATRA STR OF MALACCA MALAYSIA BORNEO S CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES YELLOW SEA MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 20.0S LONG 50.0E TO 125.0E (.)

TOO 22/1230 HRS IST=

NNNN

**LEGEND:-**

REGION	NORTH	J&K HP PJB HARY DLH UP UTRKND
	EAST	BHR JHRKND CHTGH OR 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
	UTRKN	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