

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



SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS 08.03.2023 TIME 1200 UTC

SAT: INSAT-3D IMG 08-03-2023/(1200 to 1226) GMT IMG_TIR1 10.8 um 08-03-2023/(1730 to 1756) IST L1C Mercator ANOTHER IMD, DELHI

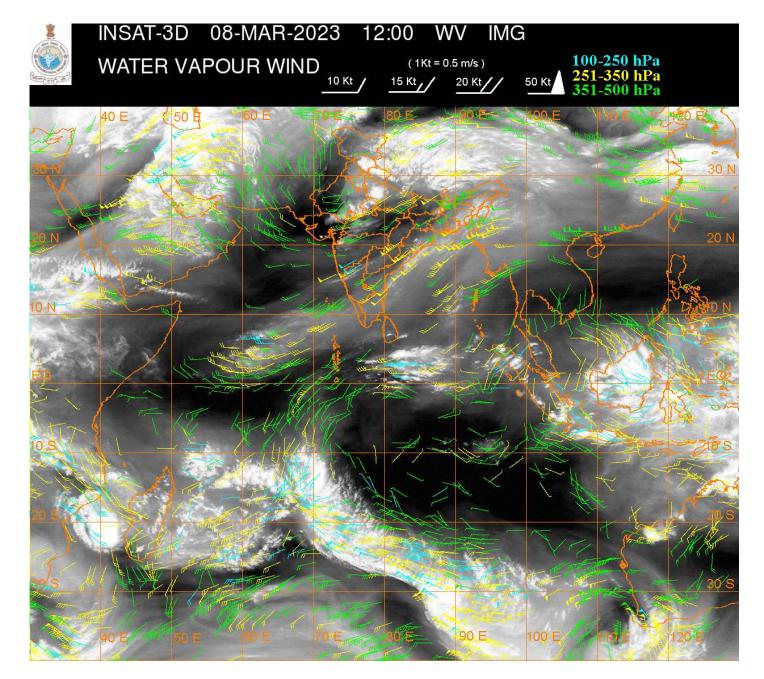
TCIN50 DEMS 081200 SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 081200 UTC (.) REGION COVERED BETWEEN LAT 50.0°N TO 35.0°S AND LONG 40.0°E TO 125.0°E (.)

SALIENT FEATURES:-

WESTERN DISTURBANCE (WD):-

SCT MULTILAYERED CLOUDS OVER E RAJ W MP S HARY DLH W UP E LADAKH HP UTRKND NEPAL TIBET ADJ CHINA IN ASSW $\overline{\rm WD}$ OVER THE AREA (.)

SCT MULTILAYERED CLOUDS OVER S CASPIAN SEA N SAUDI ARABIA PERSIAN GULF IRAN AND N/HOOD IN ASSW ANOTHER WD OVER THE AREA (.)



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

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

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NE JHRKND SHWB SKM S ASSAM MANI MIZO TRP BD AND ISOL WK TO MOD CONVTN OVER N CHTGH S JHRKND ORS REST NE STATES (.) SCT LOW/MED CLOUDS OVER S CHTGH E BHR GWB (.)

WEST:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN E RAJ NE GUJ W MP NORTH MADHYA MAHA AND ISOL WK TO MOD CONVTN OVER W RAJ SW GUJ N KKN (.) SCT LOW/MED CLOUDS OVER E MP REST GUJ REST MAHA & GOA (.)

SOUTH:-

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

ARABIAN SEA:-

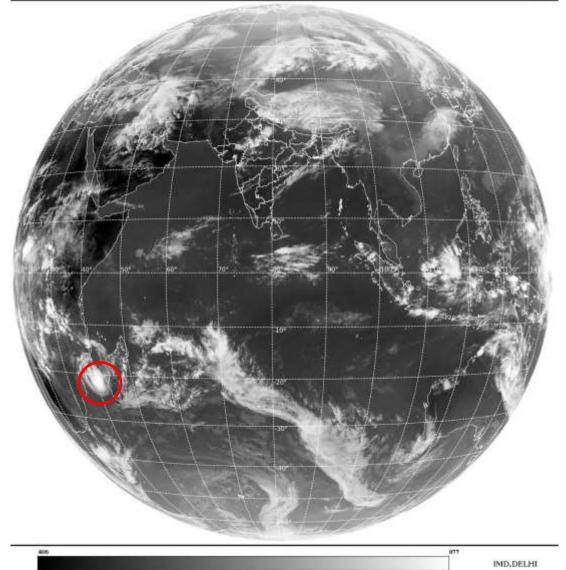
SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER SC ARSEA (.)

BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER WC BAY OFF AP COAST & NW BAY (.)

SAT : INSAT-3D IMG Thermal Infrared1 Count 10.8 um L1B FULL DISK 08-03-2023/(1200 to 1226) GMT 08-03-2023/(1730 to 1756) IST





VORTEX (FREDDY) OVER SOUTH MOZAMBIQUE CHANNEL:-

VORTEX (FREDDY) OVER SOUTH MOZAMBIQUE CHANNEL (AREA D75) CENTERED NEAR 21.0S / 40.3E (.) INTENSITY T4.5/5.0 (.) CORRESPONDING MAXIMUM SUSTAINED WINDS OF 90-119 KTS (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER SOUTH MOZAMBIQUE CHANNEL & N/HOOD (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NEPAL BHUTAN TIBET CHINA SUMATRA STR OF MALACCA MALAYSIA BORNEO JAVA ILS & SEA CELEBES ILS & SEA MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 2.0S LONG 78.0E TO 90.0E AND BET LAT 10.0S TO 30.0S LONG 40.0E TO 90.0E (.)

TOO 08/1830 HRS IST=

NNNN

LEGEND:-

	NORTH	J&K HP PJB HARY DLH UP UTRKND
REGION	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

		ISOL	ISOLATED (LESS THAN 25%)
SLD SOLID (GREATER THAN 75%) CLOUDS TOP TEMPERATURE WK CONVEN CLOUD TOP TEMPERATURE WK CONVEN CONVECTION (CTT GREATER THAN -25C) WETE GREATER THAN -25C) MOD CONVEN CLOUD TEMPERATURE WE CONVECTION (CTT GREATER THAN -25C) WOOD CONVECTION (CTT GREATER THAN -25C) WE GREAT THAN -25C) WOOD CONVECTION (CTT GREATER THAN -25C) WITH CONVEN CONVECTION (CTT GREATER THAN -25C) WITH THENSE CONVECTION (CTT GREATER THAN -25C) WOOD CAN THENSE CONVECTOON (CTT GREAT THAN -25C) WOOD CAN THENSE CONVECTION (CTT GREAT THENSE CONVECTOON (CTT GOTO) WOOD CAN THENSE CONVECTOON (CTT GREAT THENSE CONVECTOON (CTT GOTO) WOOD CAN THENSE CONVECTOON (CTT GROW) WOOD CAN THENSE CONVECTOON (CTT GROW) WOOD CAN THE		SCT	SCATTERED (25 TO 50%)
CLOUDS TOP TEMPERATURE WK CONVTN WEAK CONVECTION (CTT GREATER THAN -25 IC) MOD CONVTN MODERATE CONVECTION (CTT GREATER THAN -25 IC) INT CONVTN MODERATE CONVECTION (CTT GREATER THAN -25 IC) INT CONVTN INTENSE CONVECTION (CTT LESS THAN -70 IC) WEAK CONVECTION (CTT LESS THAN -70 IC) METEOROLOGICAL SUB- DIVISIONS, STATES & UNION TERRITORIES ARUPR ARUNACHAL PRADESH BHR BIHAR CHTGH CHHATTISGARH COTL AP COASTAL ANDHRA PRADESH COTL KRNIK COASTAL KARNATAKA COTL ORS COASTAL ORISSA GUJ GUJARAT GWB GANGETIC WEST BENGAL HARY HARYANA DLH DELHI HP HIMACHAL PRADESH JÆK JAMMU AND KASHMIR JHRKND JHARKHAND KER KERALA KKN KONKAN LKSDP LAKSHADWEEP M MAHA MAHARASHTRA MANI MANIPUR MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH NK NORTH COASTAL ANDHRA PRADESH NK ORS ORISSA PJB PUNJAB RAJ RAJASTHAN RYLSM RAYALASEEMA SAU & KUTCH SHWB SUB-HIMALAYAN WEST BENGAL	CLOUD DISTRIBUTION	BKN	BROKEN (51 TO 75%)
TEMPERATURE WK CONVIN WEAK CONVECTION (CTT GREATER THAN -25□C) MOD CONVIN MODERATE CONVECTION (CTT BETWEEN -25□C TO -40□C) INT CONVIN INTENSE CONVECTION (CTT BETWEEN -41□C TO -70□C) VINT CONVIN METEOROLOGICAL SUB- DIVISIONS, STATES & UNION TERITORIES ARUPR ARUNACHAL PRADESH BHR CHTGH CHHATTISGARH COTL AP COASTAL ANDHRA PRADESH COTL AP COASTAL ORISSA GUJ GUJARAT GWB GANGETIC WEST BENGAL HARY HARYANA DLH BELHI HP HIMACHAL PRADESH J&K JAMMU AND KASHMIR JHRKND JHARKHAND KER KERALA KKN KONKAN LKSDP LAKSHADWEEP M MAHA MAHARASHTRA MANI MANI MANI MEGHA MANI MANIPUR MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH MRTHWD NCOTL AP NORTH COASTAL ANDHRA PRADESH MRTHWD NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA PJB PUNJAB RAJ RAJ RAJAASTHAN RYLSM RAYALASEEMA SAU & KUTCH SHWB SUB-HIMALAYAN WEST BENGAL		SLD	SOLID (GREATER THAN 75%)
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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		MEGHA	MEGHALAYA
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		MIZO	MIZORAM
NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA PJB PUNJAB RAJ RAJASTHAN RYLSM RAYALASEEMA SAU & KUTCH SHWB SUB-HIMALAYAN WEST BENGAL			
N COTL AP NORTH COASTAL ANDHRA PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA PJB PUNJAB RAJ RAJASTHAN RYLSM RAYALASEEMA SAU & KUTCH SHWB SUB-HIMALAYAN WEST BENGAL		MRTHWD	MARATHWADA
PRADESH NIK NORTH INTERIOR KARNATAKA ORS ORISSA PJB PUNJAB RAJ RAJASTHAN RYLSM RAYALASEEMA SAU & KUTCH SHWB SUB-HIMALAYAN WEST BENGAL		NAGA	NAGALAND
NIK NORTH INTERIOR KARNATAKA ORS ORISSA PJB PUNJAB RAJ RAJASTHAN RYLSM RAYALASEEMA SAU & KUTCH SAURASHTRA & KUTCH SHWB SUB-HIMALAYAN WEST BENGAL		N COTL AP	NORTH COASTAL ANDHRA
PJB PUNJAB RAJ RAJASTHAN RYLSM RAYALASEEMA SAU & KUTCH SAURASHTRA & KUTCH SHWB SUB-HIMALAYAN WEST BENGAL		NIK	
RAJ RAJASTHAN RYLSM RAYALASEEMA SAU & KUTCH SAURASHTRA & KUTCH SHWB SUB-HIMALAYAN WEST BENGAL		ORS	ORISSA
RYLSM RAYALASEEMA SAU & KUTCH SAURASHTRA & KUTCH SHWB SUB-HIMALAYAN WEST BENGAL		PJB	PUNJAB
SAU & KUTCH SAURASHTRA & KUTCH SHWB SUB-HIMALAYAN WEST BENGAL		RAJ	RAJASTHAN
SHWB SUB-HIMALAYAN WEST BENGAL		RYLSM	RAYALASEEMA
		SAU & KUTCH	SAURASHTRA & KUTCH
		SHWB	SUB-HIMALAYAN WEST BENGAL
SIK SOUTH INTERIOR KARNATAKA		SIK	SOUTH INTERIOR KARNATAKA
SKM SIKKIM		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