

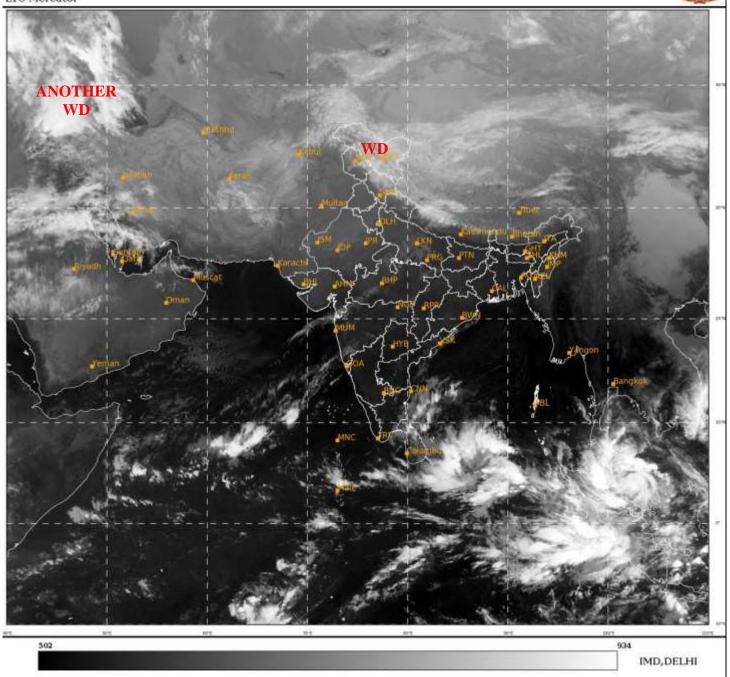
भारत मौसम विज्ञान विभाग पृथ्वी विज्ञान मंत्रालय India Meteorological Department Ministry of Earth Sciences



SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS 17.12.2021 TIME 0300 UTC

SAT : INSAT-3D IMG IMG_TIR1 10.8 um L1C Mercator 17-12-2021/(0300 to 0326) GMT 17-12-2021/(0830 to 0856) IST





TCIN50 DEMS 170300 SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 170300 UTC (.) REGION COVERED BETWEEN LAT 50.0°N TO 30.0°S AND LONG 40.0°E TO 125.0°E (.)

SALIENT FEATURES:-

WESTERN DISTURBANCE (WD):-

SCT MULTILAYERED CLOUDS OVER J&K LADAKH AND N/HOOD IN ASSW WD OVER THE AREA (.)

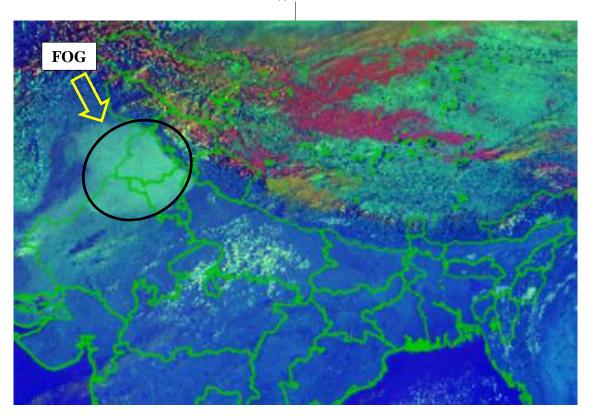
SCT MULTILAYERED CLOUDS OVER PERSIAN GULF SW IRAN AND N/HOOD IN ASSW ANOTHER WD OVER THE AREA (.)

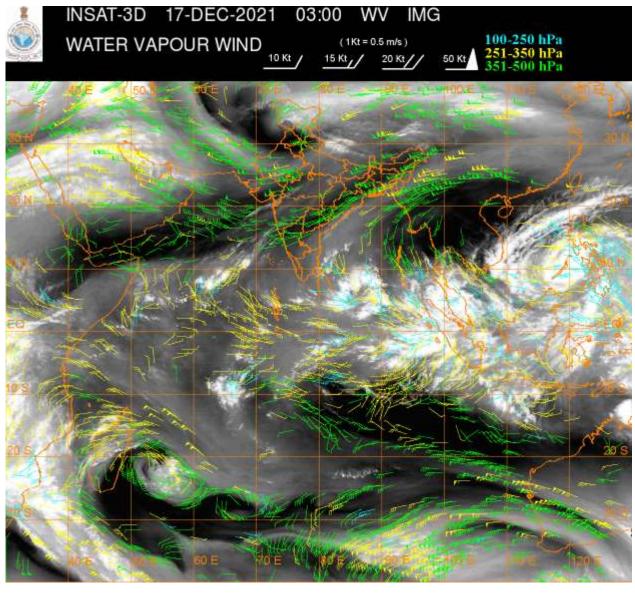
CONVECTION OVER SOUTH BAY ADJ EQUATORIAL INDIAN OCEAN:-

CONVECTION OVER CENTRAL PARTS OF SOUTH BAY ADJ EQUATORIAL INDIAN OCEAN PERSISTS DURING LAST 06 HOURS (.) MINIMUM CTT MINUS 82 DEG C (.)

FOG/LOW CLOUDS:-

INSAT-3D DAY MICROPHYSICS PRODUCT AT 0300 UTC INDICATES SCT FOG/LOW CLOUDS OVER PJB W & NE HARY NW RAJ ADJ E PAK (.)





CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

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

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK CONVTN OVER SKM ARUPR (.) ISOL LOW/MED CLOUDS OVER N CHTGH N JHRKND REST NE STATES (.)

WEST:-

SCT LOW/MED CLOUDS WITH EMBDD WK CONVTN OVER SE GUJ ADJ NORTH OF M MAHA GOA (.) ISOL TO SCT LOW/MED CLOUDS OVER C RAJ MP REST MAHA (.)

SOUTH:-

ISOL TO SCT LOW/MED CLOUDS OVER N TLNGN SIK COTL AP N KER TN LKSDP S ANDAMAN & NICOBAR ILS (.)

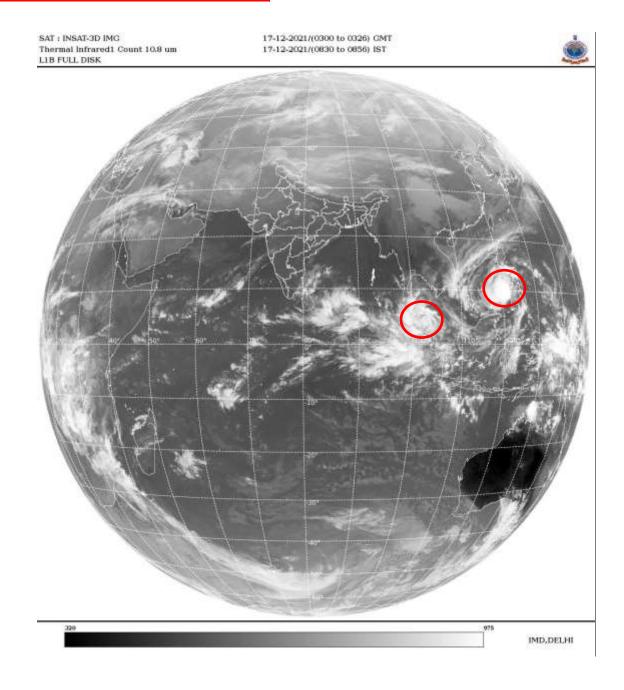
ARABIAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SC ARSEA SOUTH ARSEA AND COMORIN (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER EC ARSEA (.)

BAY OF BENGAL & ANDAMAN SEA:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER SW ADJ SE BAY SOUTH OF LAT 10.0N AND MOD TO INT CONVTN OVER REST SOUTH BAY (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER S ANDAMAN SEA (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-



VORTEX (RAI) OVER SULU SEA & N/HOOD:-

VORTEX (RAI) OVER SULU SEA & N/HOOD CENTERED NEAR 10.1N / 120.6E (.) INTENSITY T5.0/5.5 (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 6.0N TO 15.0N LONG 114.0E TO 125.0E AND PHILIPPINES (.)

ANOTHER VORTEX OVER MALAYSIA & N/HOOD:-

VORTEX OVER MALAYSIA & N/HOOD CENTERED NEAR 4.5N / 102.6E (.) OVERLAND (.) ASSTD BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER MALAY PENINSULA STR OF MALACCA & N/HOOD (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER N SRI LANKA PALK STR GULF OF MANNAR MALDIVES NEPAL TIBET CHINA YELLOW SEA S VIETNAM GULF OF THAILAND SUMATRA STR OF MALACCA MALAYSIA SOUTH CHINA SEA BORNEO JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES SULU SEA MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 15.0S LONG 45.0E TO 115.0E (.)

TOO 17/0945EF=

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

	ISOL	ISOLATED (LESS THAN 25%)
CLOUD DISTRIBUTION	ISOL	IDOLATED (LEBS IIIAN 25 /0)
	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 &	ARUPR	ARUNACHAL PRADESH
UNION TERITORIES	BHR	BIHAR
	СНТСН	CHHATTISGARH
	COTL AP	COASTAL ANDHRA PRADESH
	COTL KRNTK	COASTAL KARNATAKA
	COTL ORS	COASTAL ORISSA
	GUJ	GUJARAT
	GWB	GANGETIC WEST BENGAL
	HARY	HARYANA
	DLH	DELHI
	НР	HIMACHAL 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		J&K	JAMMU AND KASHMIR
KKN KONKAN LKSDP LAKSHADWEEP M MAHA MAHARASHTRA MAHA MAHARASHTRA MAHA MAHARASHTRA MANI MANIPUR MEGHA MEGHALAYA MIZO MIZORAM MIP 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 SHWB SUB-HIMALAYAN WEST BENGAL SIK SOUTH INTERIOR KARNATAKA SKM SIKKIM TLNGN TELANGANA TN TAMIL NADU TRP TRIPURA UP UTTAR PRADESH UTRKND UTTARAHAND VID VIDHARBHA SHWB SUB BIBMALAYAN WEST BENGAL GWB GANGETIC WEST BENGAL ARSEA ARABIAN SEA ILS ISLANDS MISCELLANEOUS ASSW IN ASSOCIATED		JHRKND	JHARKHAND
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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 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		MP	MADHYA PRADESH
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GWB GANGETIC WEST BENGAL ARSEA ARABIAN SEA ILS ISLANDS MISCELLANEOUS ASSW IN ASSOCIATION WITH ASSTD ASSOCIATED		VID	VIDHARBHA
ARSEA ARABIAN SEA ILS ISLANDS MISCELLANEOUS ASSW IN ASSOCIATION WITH ASSTD ASSOCIATED		SHWB	SUB HIMALAYAN WEST BENGAL
ILS ISLANDS MISCELLANEOUS ASSW IN ASSOCIATION WITH ASSTD ASSOCIATED		GWB	GANGETIC WEST BENGAL
MISCELLANEOUS ASSW IN ASSOCIATION WITH ASSTD ASSOCIATED		ARSEA	ARABIAN SEA
ASSTD ASSOCIATED		ILS	ISLANDS
	MISCELLANEOUS	ASSW	IN ASSOCIATION WITH
TOWLEVEL CIDCULATION		ASSTD	ASSOCIATED
LLC LOW LEVEL CIRCULATION		LLC	LOW LEVEL CIRCULATION
EMBDD EMBEDDED		EMBDD	EMBEDDED
N/HOOD NEIGHBOURHOOD		N/HOOD	NEIGHBOURHOOD
EXT EXTREME		EXT	EXTREME