

भारत मौसम विज्ञान विभाग India Meteorological Department Ministry of Earth Sciences

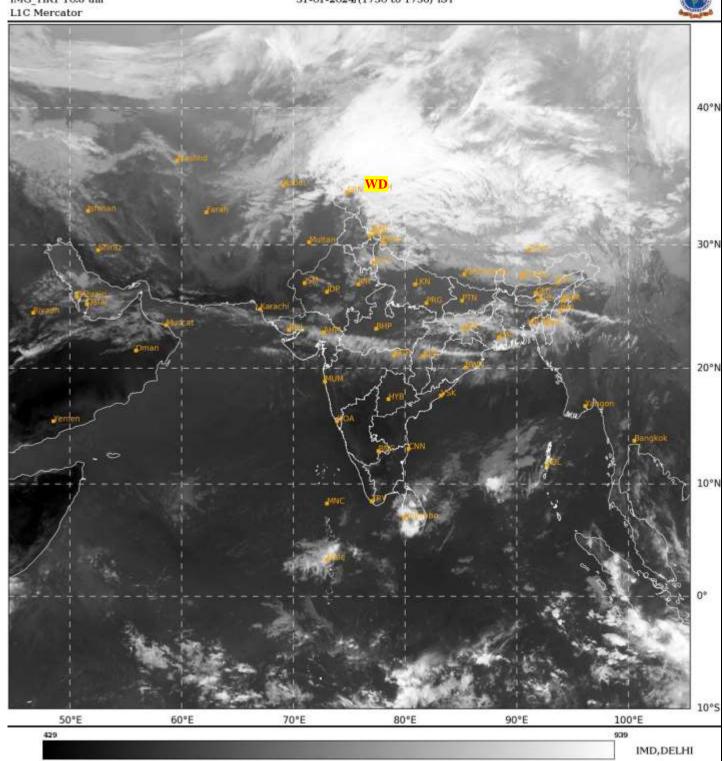


SATELLITE BULLETIN BASED ON SATELLITE **IMAGERIES AND PRODUCTS** 31.01.2024 TIME 1200 UTC

SAT : INSAT-3D IMG IMG_TIR1 10.8 um

31-01-2024/(1200 to 1226) GMT 31-01-2024/(1730 to 1756) IST





TCIN50 DEMS 311200 SATELLITE BULLETIN BASED ON INSAT- 3D PIC OF 311200 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:-

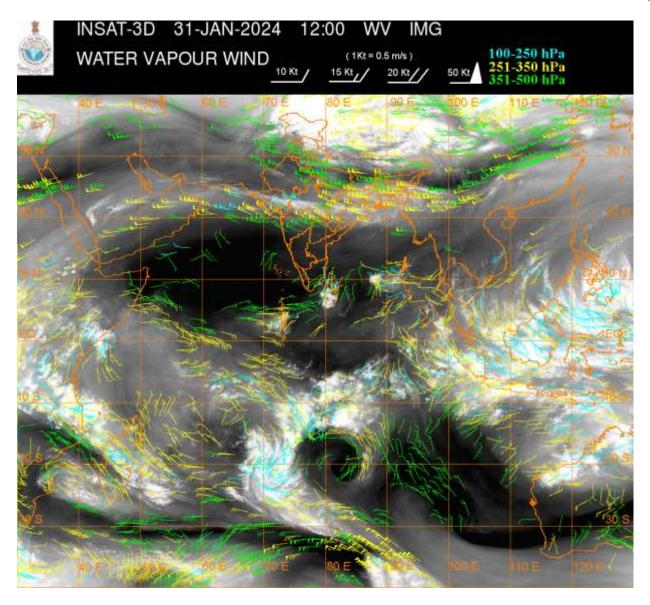
SCT MULTILAYERED CLOUDS OVER N PAK LADAKH J&K HP UTRKND PJB HARY ADJ NW UP DLH N RAJ TIBET ADJ CHINA IN ASSW WD OVER THE AREA (.)

FOG / LOW CLOUDS:-

AT 1200 UTC FOG NO OBSERVED OVER INDIAN REGION (.)

WESTERLY JET STREAM:

WESTERLY JET STREAM RUNS BETWEEN LAT 17.0N TO 30.0N ACROSS CENTRAL INDIA (.)



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

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

EAST:-

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

WEST:-

SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER NORTH RAJ E & S MP GUJ N VID (.) SCT LOW/MED CLOUDS OVER REST RAJ REST MP N MAHA (.)

SOUTH:-

SCT LOW/MED CLOUDS OVER COTL AP KER TN ANDAMAN ILS NICOBAR ILS & LKSDP ILS (.)

ARABIAN SEA:-

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

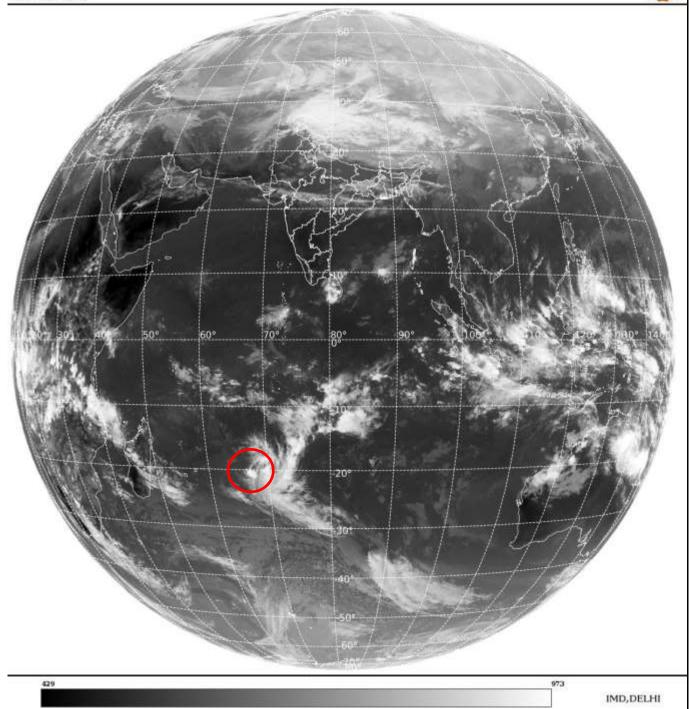
BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SOUTH BAY AND ISOL WK TO MOD CONVTN OVER NW BAY (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-

SAT: INSAT-3D IMG Thermal Infrared1 Count 10.8 um L1B FULL DISK 31-01-2024/(1200 to 1226) GMT 31-01-2024/(1730 to 1756) IST





VORTEX OVER SOUTH INDIAN OCEAN:-

VORTEX OVER SOUTH INDIAN OCEAN (AREA D60) CENTERED NEAR 20.4S/67.0E (.) INTENSITY T2.0/2.5 (.) MAXIMUM SUSTAINED WINDS OF 28-33 KTS (.) ASSTD SCT TO BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER AREA BET LAT 15.0S TO 28.0S LONG 64.0E TO 74.0E (.)

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRI LANKA N PAK TIBET CHINA SUMATRA MALAYSIA BORNEO SOUTH CHINA SEA JAVA ILS & SEA CELEBES ILS & SEA PHILIPPINES MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO LAT 30.0S LONG 60.0E TO 100.0E (.)

TOO 31/1830 HRS IST=

NNNN

LEGEND:-

REGION EAST BHR JHRKND CHTGH ORS WB SKM NORTH-EAST STATES WEST RAJ MP GUJ MAHA GOA SOUTH TINGN AP KRNTK KER TN LKSDP ANDAMAN & NICOBAR ILS ISOL ISOLATED (LESS THAN 25%) SCT SCATTERED (25 TO 50%) BKN BROKEN (51 TO 75%) SLD SOLID (GREATER THAN 75%) CLOUDS TOP TEMPERATURE WK CONVTN WEAK CONVECTION (CTT GREATER THAN -25°C) MOD CONVIN MODERATE CONVECTION (CTT GREATER THAN -25°C) MOD CONVIN MODERATE CONVECTION (CTT GREATER THAN -25°C) WINT CONVIN WEAK CONVECTION (CTT GREATER THAN -25°C) MOD CONVIN WEAK CONVECTION (CTT GREATER THAN -25°C) WINT CONVIN WEAK CONVECTION (CTT GREATER THAN -25°C) WEAK CONVECTION (CTT GREATER THAN -25°C) WINT CONVIN (CTT GREATER THAN -25°C) WINT CONVIN WEAK CONVECTION (CTT GREATER THAN -25°C) WINT CONVIN WEAK CONVECTION (CTT GREATER THAN -25°C) CLOUD TO SWOOT AND TO SWO			
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CLOUD DISTRIBUTION		ISOL	
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CLOUDS TOP TEMPERATURE WK CONVTN WEAK CONVECTION (CTT GREATER THAN - 25 □ C) MOD CONVTN (CTT BETWEEN - 25 □ C TO - 40 □ C) INT CONVTN INTENSE CONVECTION (CTT BETWEEN - 41 □ C TO - 70 □ C) V INT CONVTN WERY INTENSE CONVECTION (CTT LESS THAN - 70 □ C) METEOROLOGICAL SUB- DIVISIONS, STATES & UNION TERITORIES ARUPR ARUNACHAL PRADESH BHR CHTGH COTL AP COASTAL ANDHRA PRADESH COTL COTL KRNTK COASTAL ANDHRA PRADESH 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 MAHA MAHARASHTRA MANI MANI MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH MRTHWD MARATHWADA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA	CLOUD DISTRIBUTION	BKN	BROKEN (51 TO 75%)
CLOUDS TOP TEMPERATURE WK CONVTN WEAK CONVECTION (CTT GREATER THAN -25 C) MOD CONVTN (CTT BETWEEN -25 C) MOD CONVECTION (CTT BETWEEN -41 C TO -40 C) INT CONVTN (CTT BETWEEN -41 C TO -70 C) VINT CONVTN VERY INTENSE CONVECTION (CTT LESS THAN -70 C) ARUPR ARUNACHAL PRADESH BHR CHTGH COTL AP COASTAL ANDHRA PRADESH COTL AP COASTAL ANDHRA PRADESH COTL ORS COASTAL ANDHRA PRADESH 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 MAHA MAHARASHTRA MANI MAHA MAHA MAHARASHTRA MANI MANI MEGHA MEGHALAYA MIZO MIZORAM MP MADHYA PRADESH MRTHWD MARATHWADA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA		SLD	SOLID (GREATER THAN 75%)
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MRTHWD MARATHWADA NAGA NAGALAND N COTL AP NORTH COASTAL ANDHRA			
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N COTL AP NORTH COASTAL ANDHRA		NAGA	NAGALAND
PKADESH		N COTL AP	NORTH COASTAL ANDHRA PRADESH

ORS PJB PUNJAB RAJ 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 LLC LOW LEVEL CIRCULATION EMBDD N/HOOD NEIGHBOURHOOD EXT EXTREME		NIK	NORTH INTERIOR KARNATAKA
RAJ 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 LLC LOW LEVEL CIRCULATION EMBDD EMBEDDED N/HOOD NEIGHBOURHOOD		ORS	ORISSA
RYLSM 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 UTTKND 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		PJB	PUNJAB
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 MISCELLANEOUS MISCELLANEOUS ASSW IN ASSOCIATION WITH ASSTD ASSOCIATED LLC LOW LEVEL CIRCULATION EMBDD EMBEDDED N/HOOD NEIGHBOURHOOD		RAJ	RAJASTHAN
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		RYLSM	RAYALASEEMA
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		SAU & KUTCH	SAURASHTRA & KUTCH
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		SHWB	SUB-HIMALAYAN WEST BENGAL
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		SIK	SOUTH INTERIOR KARNATAKA
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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		TRP	TRIPURA
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		UP	UTTAR PRADESH
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		UTRKND	UTTARAKHAND
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		VID	VIDHARBHA
ARSEA ARABIAN SEA ILS ISLANDS MISCELLANEOUS ASSW IN ASSOCIATION WITH ASSTD ASSOCIATED LLC LOW LEVEL CIRCULATION EMBDD EMBEDDED N/HOOD NEIGHBOURHOOD		SHWB	SUB HIMALAYAN WEST BENGAL
ILS ISLANDS MISCELLANEOUS ASSW IN ASSOCIATION WITH ASSTD ASSOCIATED LLC LOW LEVEL CIRCULATION EMBDD EMBEDDED N/HOOD NEIGHBOURHOOD		GWB	GANGETIC WEST BENGAL
MISCELLANEOUS ASSW IN ASSOCIATION WITH ASSTD ASSOCIATED LLC LOW LEVEL CIRCULATION EMBDD EMBEDDED N/HOOD NEIGHBOURHOOD		ARSEA	ARABIAN SEA
ASSTD ASSOCIATED LLC LOW LEVEL CIRCULATION EMBDD EMBEDDED N/HOOD NEIGHBOURHOOD		ILS	ISLANDS
LLC LOW LEVEL CIRCULATION EMBDD EMBEDDED N/HOOD NEIGHBOURHOOD	MISCELLANEOUS	ASSW	IN ASSOCIATION WITH
EMBDD EMBEDDED N/HOOD NEIGHBOURHOOD		ASSTD	ASSOCIATED
N/HOOD NEIGHBOURHOOD		LLC	LOW LEVEL CIRCULATION
		EMBDD	EMBEDDED
EXT EXTREME		N/HOOD	NEIGHBOURHOOD
		EXT	EXTREME