



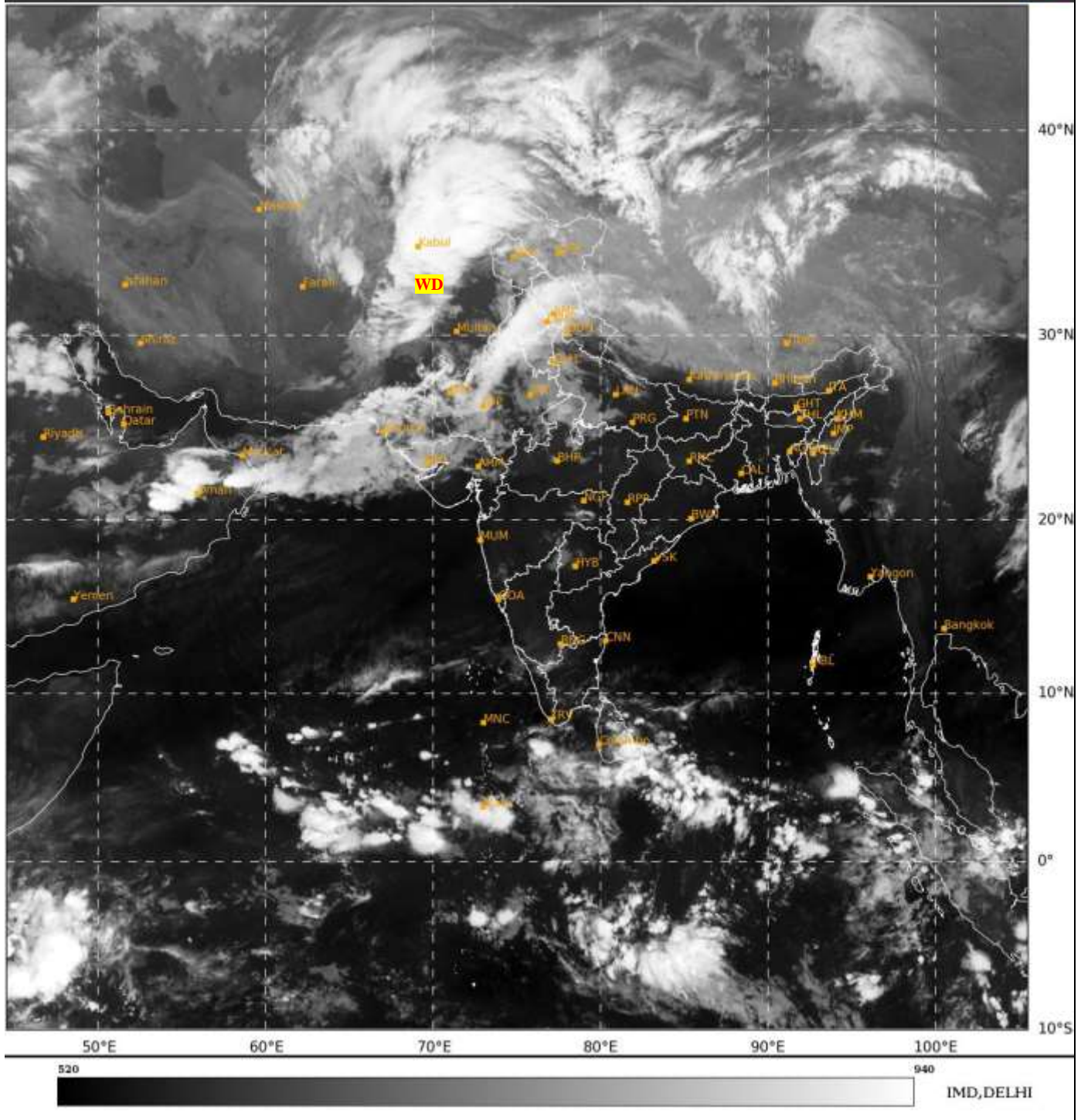
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय
India Meteorological Department
Ministry of Earth Sciences



**SATELLITE BULLETIN BASED ON SATELLITE
IMAGERIES AND PRODUCTS**
15.04.2024 TIME 0000 UTC

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

15-04-2024/(0000 to 0026) GMT
15-04-2024/(0530 to 0556) IST



TCIN50 DEMS 150000

SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 150000 UTC (.)

REGION COVERED BETWEEN LAT 50.0°N TO 35.0°S AND LONG 30.0°E TO 125.0°E (.)

SALIENT FEATURES:-

WESTERN DISTURBANCE:-

SCT TO BKN MULTILAYERED CLOUDS OVER AFGAN PAK LADAKH J&K HP UTRKND PJB HARY DLH W UP NW MP RAJ N GUJ AND N/HOOD IN ASSW **WD** OVER THE AREA (.)

THUNDERSTORM / CONVECTIVE ACTIVITY:-

MODERATE TO INTENSE THUNDERSTORM / CONVECTIVE ACTIVITY OVER WEST LADAKH HP PJB ADJ HARY W RAJ (MINIMUM **CTT MINUS 70 DEG CEL**) (.)



INSAT-3D 15-APR-2024 00:00 WV IMG

WATER VAPOUR WIND

(1Kt = 0.5 m/s)

10 Kt

15 Kt

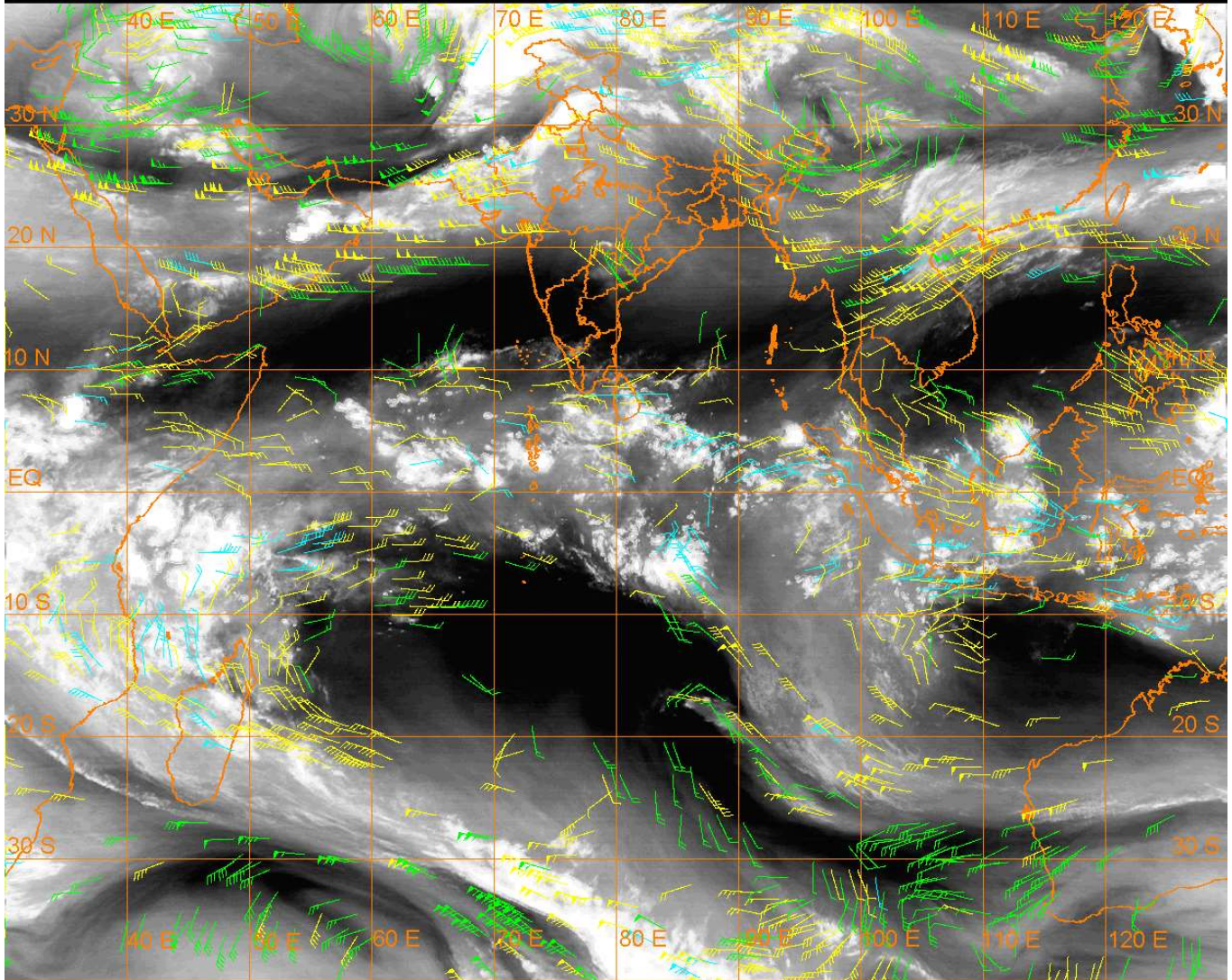
20 Kt

50 Kt

100-250 hPa

251-350 hPa

351-500 hPa



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

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

EAST:-

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

WEST:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER W RAJ AND WK TO MOD CONVTN OVER E RAJ NW MP N GUJ E VID (.) SCT LOW/MED CLOUDS OVER S GUJ REST MP REST MAHA (.)

SOUTH:-

SCT LOW/MED CLOUDS WITH EMBDD ISOL WK CONVTN OVER W TLNGN N KER ADJ NW TN & LKSDP ILS AREA (.) SCT LOW/MED CLOUDS OVER N COTL AP KRNTK S KER REST TN (.)

ARABIAN SEA:-

SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NORTH ARSEA (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S ARSEA ADJ EQUITORIAL INDIAN OCEAN & COMORIN AREA (.)

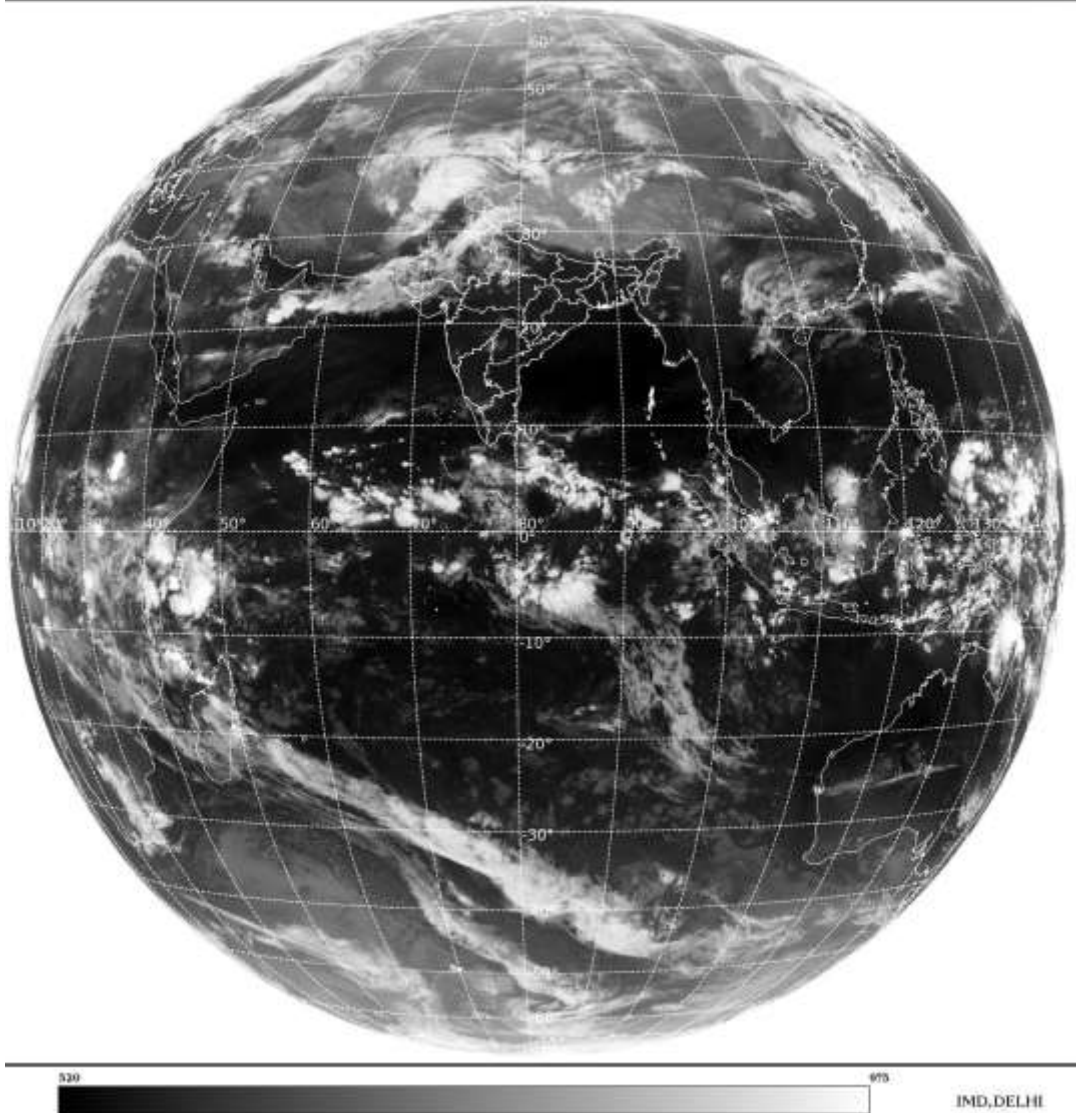
BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER SW BAY ADJ EQUITORIAL INDIAN OCEAN & SRILANKA (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-

SAT + INSAT-3D IMG
Thermal Infrared1 Count 10.8 um
L1B FULL DISK

15-04-2024(0000 to 0026) GMT
15-04-2024(0530 to 0556) IST



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRILANKA MALDIVES PAK TIBET CHINA N VIETNAM SUMATRA STR OF MALACCA MALAYSIA BORNEO ADJ SOUTH CHINA SEA JAVA ILS & SEA CELEBES ILS TAIWAN ADJ EAST CHINA SEA MADAGASCAR MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET LAT 5.0N TO 10.0S LONG 40.0E TO 110.0E AND BET LAT 20.0S TO 35.0S LONG 50.0E TO 80.0E (.)

TOO 15/0630 HRS IST=

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 CONV TN	WEAK CONVECTION (CTT GREATER THAN -25°C)
	MOD CONV TN	MODERATE CONVECTION (CTT BETWEEN -25°C TO -40°C)
	INT CONV TN	INTENSE CONVECTION (CTT BETWEEN -41°C TO -70°C)
	V INT CONV TN	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