SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES AND PRODUCTS
23.09.2023 TIME 1200 UTC

SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator

23-09-2023/(1215 to 1242) GMT
23-09-2023/(1745 to 1812) IST
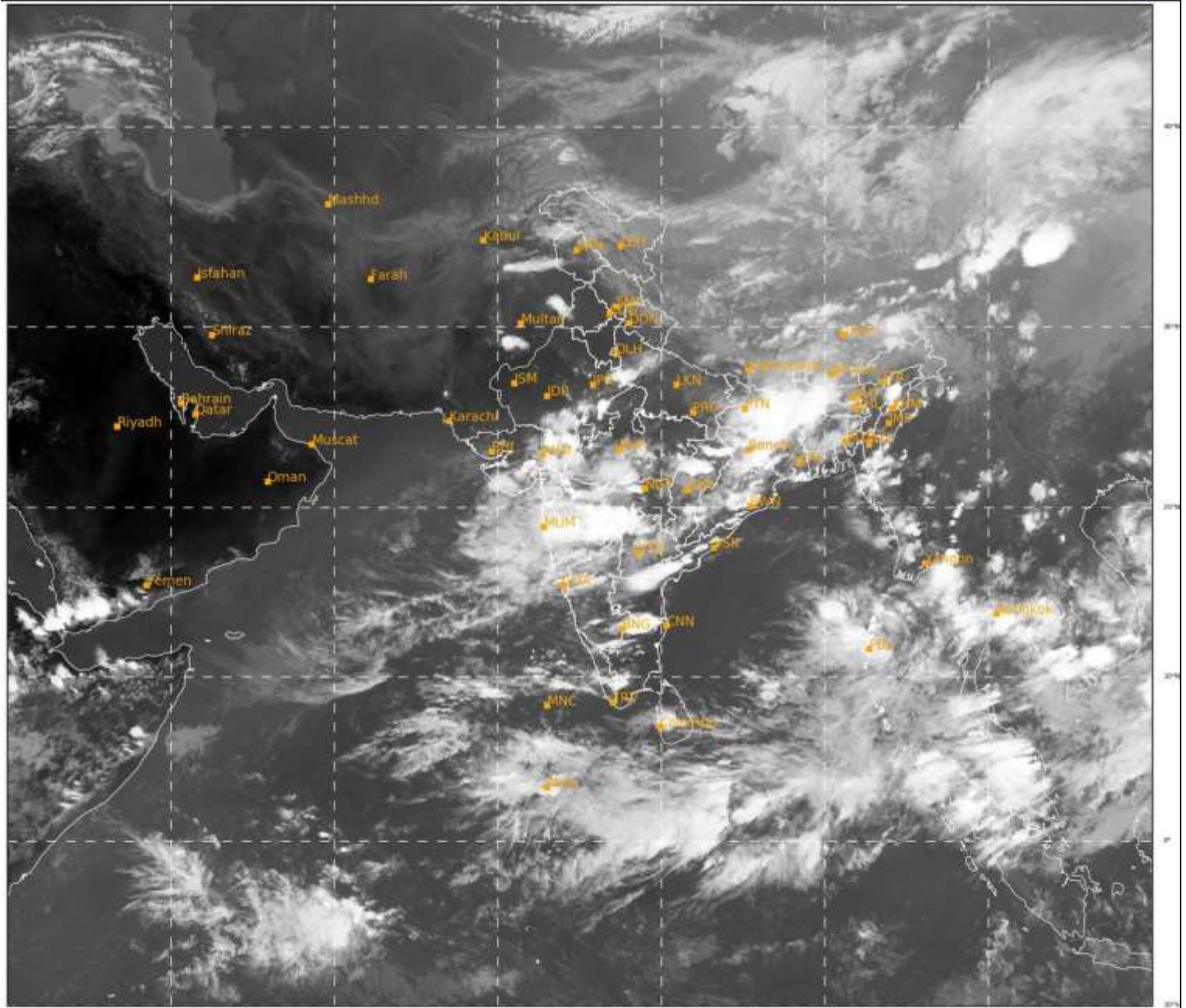
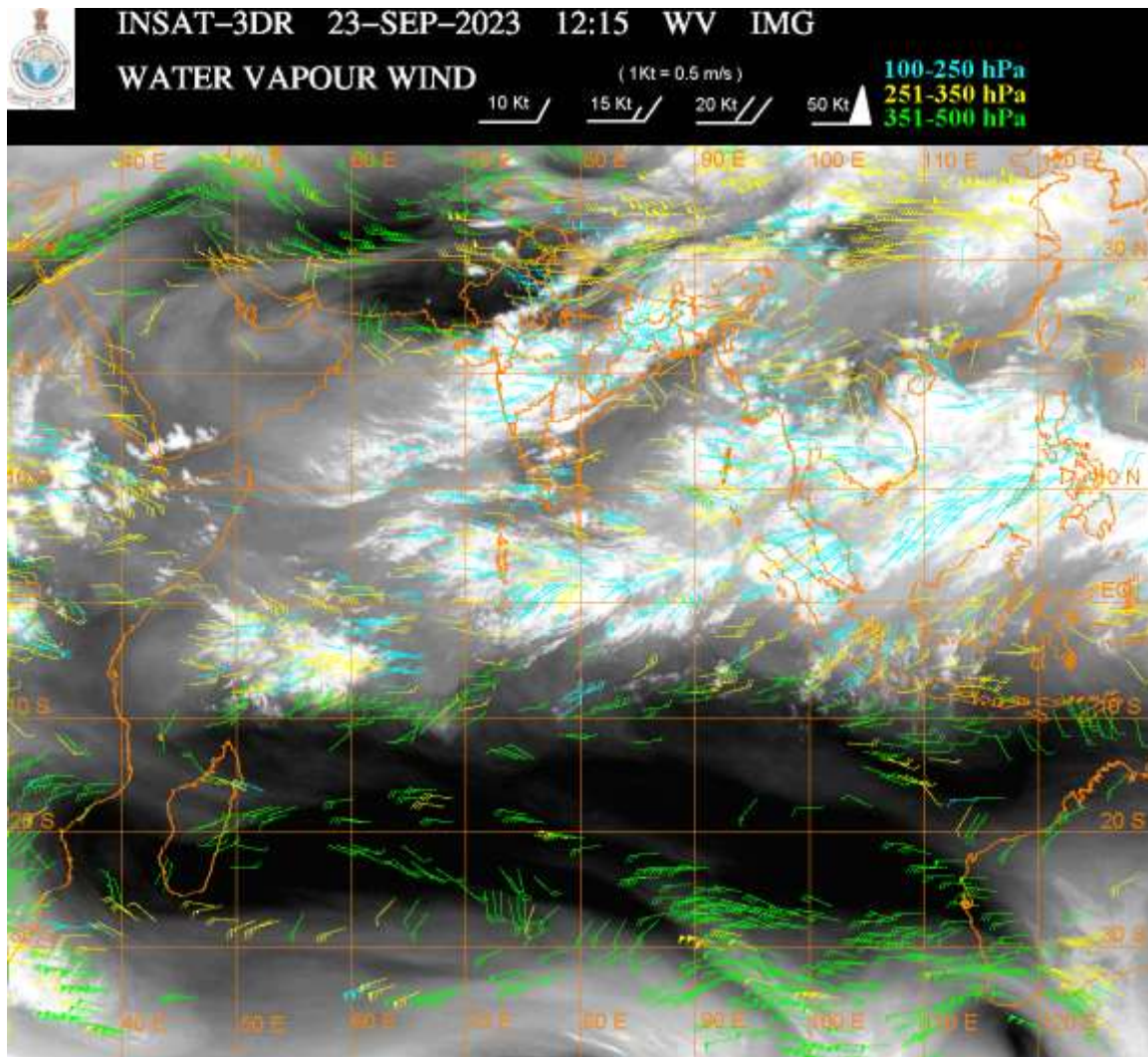336   950

IMD,DELHI

ZCZC 120
TCIN50 DEMS 231200
SATELLITE BULLETIN BASED ON INSAT-3DR PIC OF 231200 UTC (.)
REGION COVERED BETWEEN LAT 50.0ºN TO 35.0ºS AND LONG 40.0ºE TO 125.0ºE (.)

SALIENT FEATURES:-

THUNDERSTORM / CONVECTIVE ACTIVITY:-

MODERATE TO INTENSE THUNDERSTORM / CONVECTIVE ACTIVITY OBSERVED OVER NW UP BHR JHRKND N CHTGH N ORS SW MP MAHA E GUJ E RAJ W GWB SHWB N ASSAM N COTL AP N TN & BD (.)

INSAT-3DR 23-SEP-2023 12:15 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 LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER NW UP (MINIMUM CTT MINUS 74 DEC) (.) BKN LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER LADAKH N J&K N HP UTRKND SW PJB E UP (.) SCT LOW/MED CLOUDS OVER S J&K SW UP (.)

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER N CHTGH JHRKND E BHR N ORS W GWB SOUTH SHWB (MINIMUM CTT MINUS 93 DEC)(.) BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S CHTGH S ORS S JHRKND W BHR E GWB NORTH SHWB SKM NE ASSAM NAGA MIZO AND ISOL WK TO MOD CONVTN OVER REST ASSAM ARUPR MANI TRP (.)

WEST:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER E RAJ E GUJ MAHA (MINIMUM CTT MINUS 93 DEC) (.) SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SW GUJ S MP GOA AND ISOL WK TO MOD CONVTN OVER N MP NW GUJ (.) SCT LOW/MED CLOUDS OVER W RAJ (.)

SOUTH:-

SCT LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER N TLNGN COTL AP ADJ N TN (MINIMUM CTT MINUS 90 DEC) (.) SCT TO BKN LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S TLNGN KRNTK KER SW TN ANDAMAN ILS AND WK TO MOD CONVTN OVER RYLSM LKSDP & NICOBAR ILS (.) ISOL TO SCT LOW/MED CLOUDS OVER SE TN (.)

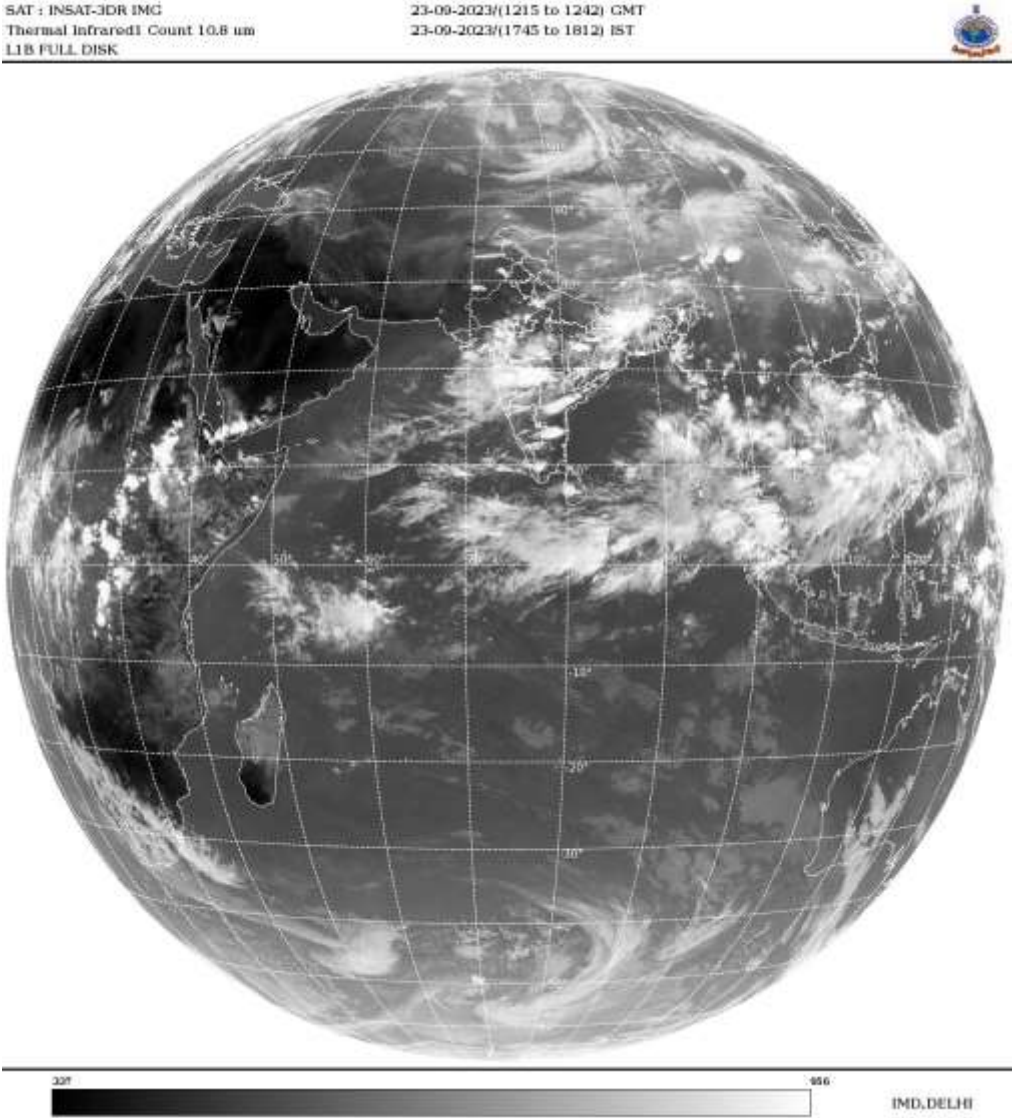## ARABIAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER EAST ARSEA LKSDP ILS AREA (.)SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER SW ARSEA (.)

BAY OF BENGAL & ANDAMAN SEA:-

BKN LOW/MED CLOUDS WITH EMBDD INT TO V INT CONVTN OVER EC AND MOD TO INT CONVTN OVER SOUTH BAY ANDAMAN SEA (.)

SAT : INSAT-3DR IMG   23-09-2023/(1215 to 1242) GMT
Thermal Infrared1 Count 10.8 um   23-09-2023/(1745 to 1812) IST
L1B FULL DISK

IMD,DELHI

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRILANKA MALDIVES EXT NE PAK E NEPAL BHUTAN TIBET CHINA MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS S VIETNAM SUMATRA STR OF MALACCA MALAYSIA BORNEO SOUTH CHINA SEA CELEBES SEA PHILIPPINES EAST CHINA SEA AND OVER INDIAN OCEAN BET LAT 5.0N TO 2.5S EAST OF LONG 62.0E AND BET EQT TO 8.5S LONG 48.0E TO 62.0E (.)

TOO 23/1840 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 TERITORIES	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