

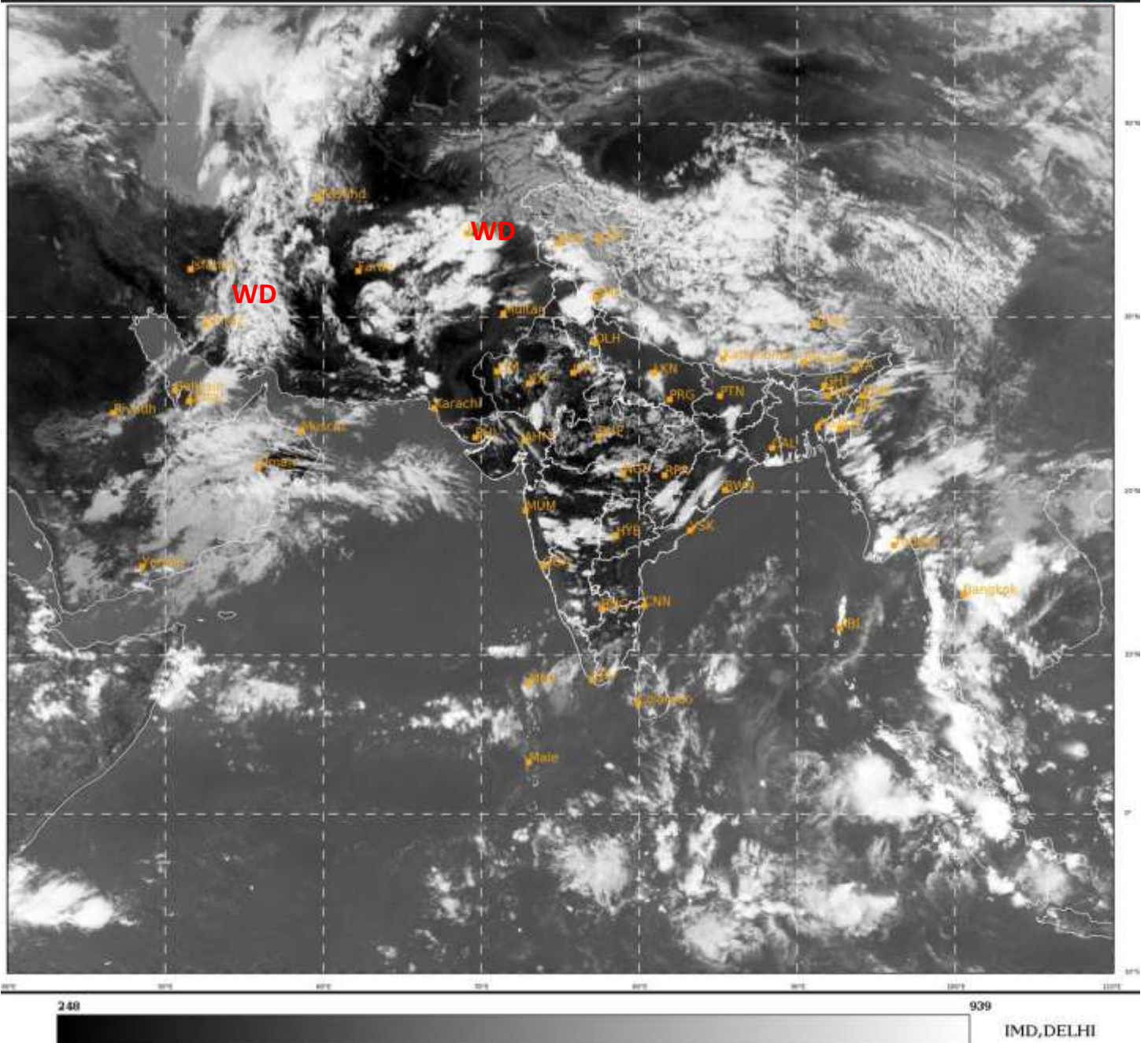


**SATELLITE BULLETIN BASED ON SATELLITE IMAGERIES
AND PRODUCTS**

29.04.2021 TIME 0900 UTC

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

29-04-2021/(0900 to 0926) GMT
29-04-2021/(1430 to 1456) IST



TCIN50 DEMS 290900

SATELLITE BULLETIN BASED ON INSAT-3D PIC OF 290900 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 AFGAN PAK PJB HP J&K UTRKND IN ASSW **WD** OVER THE AREA (.)

SCT MULTILAYERED CLOUDS OVER CASPIAN SEA IRAN PERSIAN GULF & N/HOOD IN ASSW **WD** OVER THE AREA (.)



INSAT-3D 29-APR-2021 09:00 WV IMG

WATER VAPOUR WIND

(1Kt = 0.5 m/s)

10 Kt

15 Kt

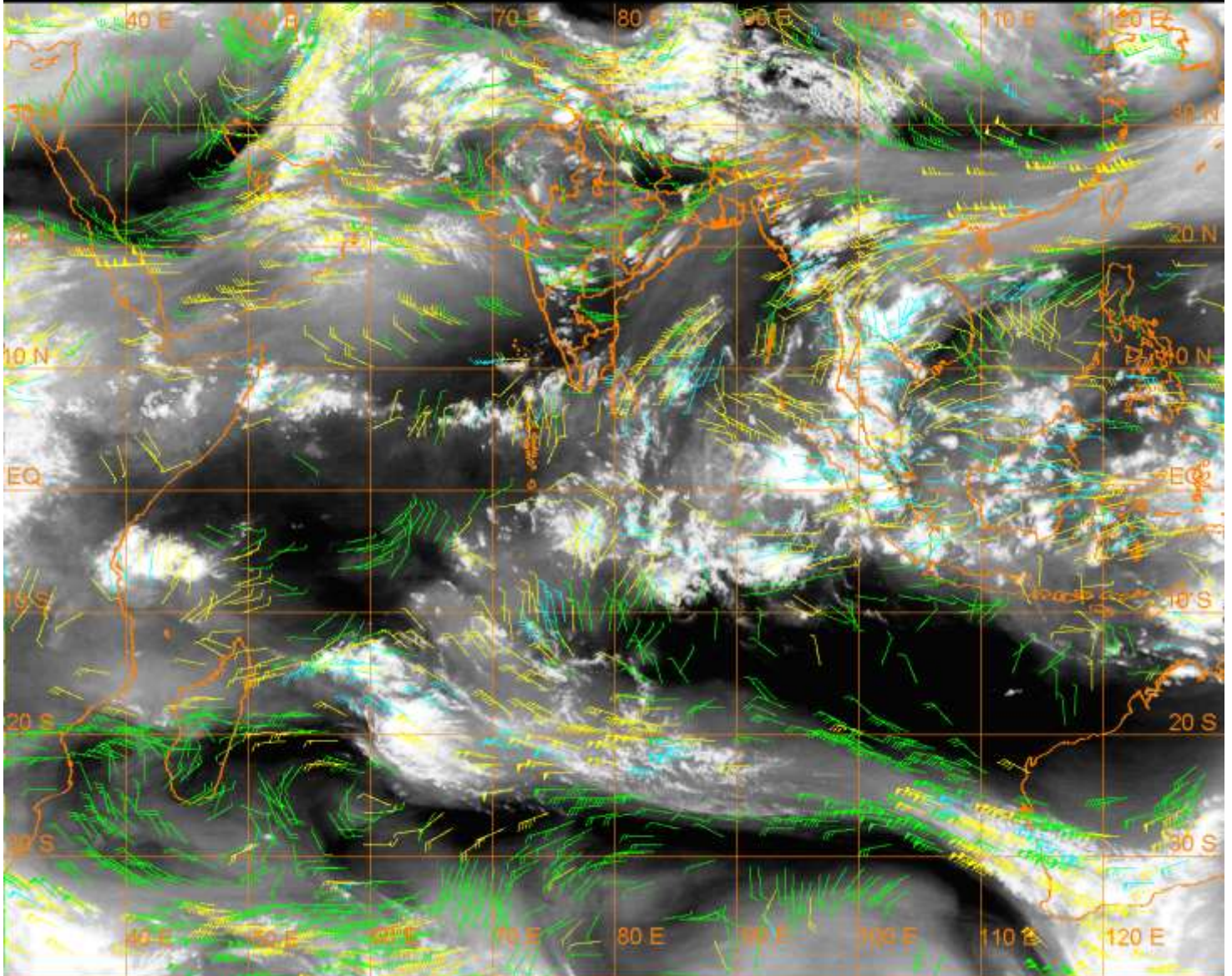
20 Kt

50 Kt

100-250 hPa

251-350 hPa

351-500 hPa



CLOUDS DESCRIPTION WITHIN INDIA:-

NORTH:-

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

EAST:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER S CHTGH C&S ORS SC BHR NC JHRKND SKM ARUPR TRP MIZO MANI NAGA (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER N CHTGH MEGHA C ASSAM (.) SCT LOW/MED CLOUDS OVER REST ORS S BHR W JHRKND (.)

WEST:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SE RAJ S MP S MADHYA MAHA N VID MRTHWD (.) SCT LOW/MED CLOUDS WITH EMBDD WK TO MOD CONVTN OVER REST MP REST RAJ REST MAHA GUJ (.)

SOUTH:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER NIK SIK N&SW TLNGN N AP EXT S TN N KER LKSDP (.) SCT LOW/MED CLOUDS WITH EMBDD ISOL WK TO MOD CONVTN OVER REST TN REST KER (.) ISOL TO SCT LOW/MED CLOUDS OVER RYLSM REST TLNGN ANDAMAN & NICOBAR ILS (.)

ARABIAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER N&S ARSEA (.)

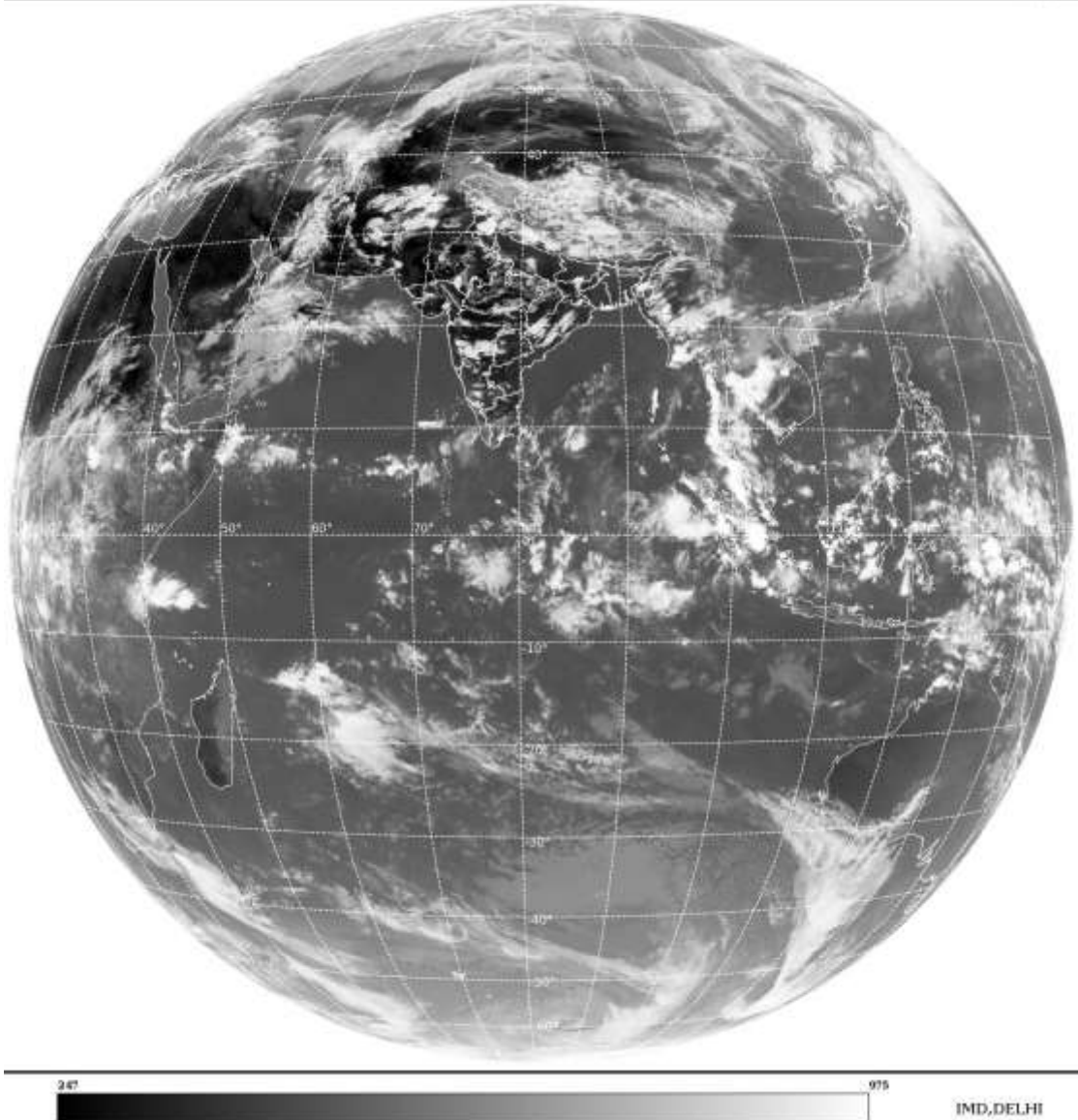
BAY OF BENGAL & ANDAMAN SEA:-

SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SW BAY (.)

CLOUDS DESCRIPTION OUTSIDE INDIA:-

SAT : INSAT-3D IMG
Thermal Infrared1 Count 10.8 um
LIB FULL DISK

29-04-2021/(0900 to 0926) GMT
29-04-2021/(1430 to 1456) IST



SCT LOW/MED CLOUDS WITH EMBDD MOD TO INT CONVTN OVER SRILANKA MALDIVES N TIBET CHINA YELLOW SEA E CHINA SEA TAIWAN MYANMAR THAILAND GULF OF THAILAND CAMBODIA LAOS N VIETNAM GULF OF TONKIN SUMATRA STR OF MALACCA MALAYSIA GULF OF TONKIN BORNEO S CHINA SEA JAVA SEA CELEBES ILS & SEA N MADAGASCAR C MOZAMBIQUE CHANNEL AND OVER INDIAN OCEAN BET 5.0N TO LAT 8.0S EAST OF LONG 74.0E (.)

TOO 29/1520EF=

NNNN

LEGEND:-

| | | |
|---------------|--------------|--|
| REGION | NORTH | J&K HP PJB HARY DLH UP UTRKND |
| | EAST | BHR JHRKND CHTGH ORS WB SKMNORTH-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 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 |