

SATELLITE FIX BULLETIN

24.10.2024 TIME 1500 UTC

TCIN50 DEMS 241500

A. VORTEX (DANA)

B. 24/1515Z

C. 20.0N

D. 87.3E

E. T3.5

F. INSAT-3DR / GPM GMI

F. IR / PMW

G. REMARKS:

THE SYSTEM HAS MOVED NORTH-NORTHWESTWARDS DURING LAST 6 HOURS.

THE SATELLITE IMAGERY SHOWS THE SYSTEM AS REGULAR CDO PATTERN.

DIAMETER SIZE OF CDO IS ABOUT 200 KMS YIELDS $CF=4$ AND $BF = -0.5$ YIELDS $DT = 3.5$. FT BASED ON DT. HENCE $FT = 3.5$.

37 GHz MICROWAVE IMAGE AT 13:40 UTC EXPOSES LLCC WITH INTENSE CONVECTIVE BANDS IN WESTERN SECTOR OF THE CENTER. IR IMAGERY SHOWS WESTERN EDGE OF CDO IS INTERACTING WITH COASTAL ODISHA. MODERATE TO INTENSE CONVECTION IS SEEN OVER ODISHA GANGETIC WEST BENGAL SOUTH BANGLADESH.

H. ADDITIONAL POSITIONS: GPM GMI AT 13:40 UTC 19.9N / 87.3E

TOO 24/2145 EF=

NNNN