

DWR PARADEEP

Cyclone bulletin No.03

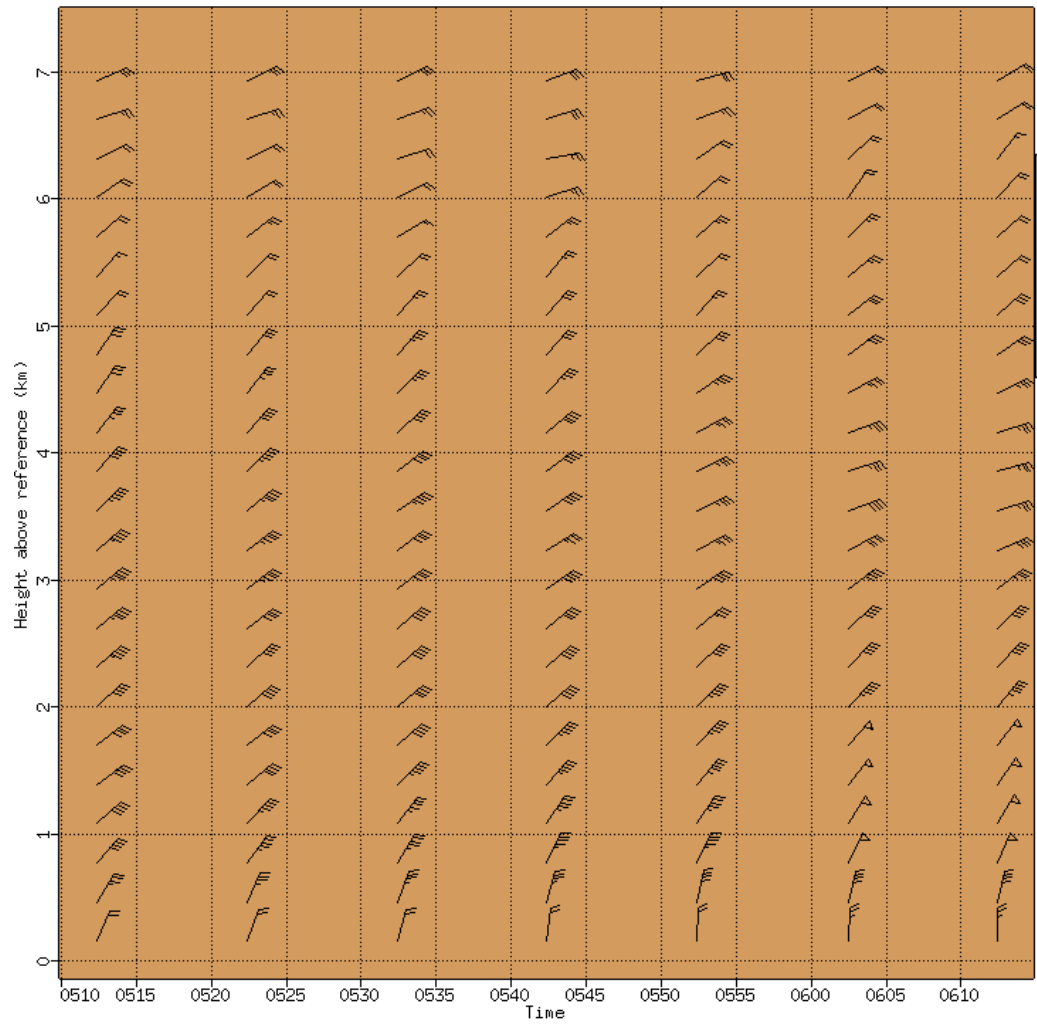
Cyclone : DANA

Time: 24/10/2024 11:30 IST

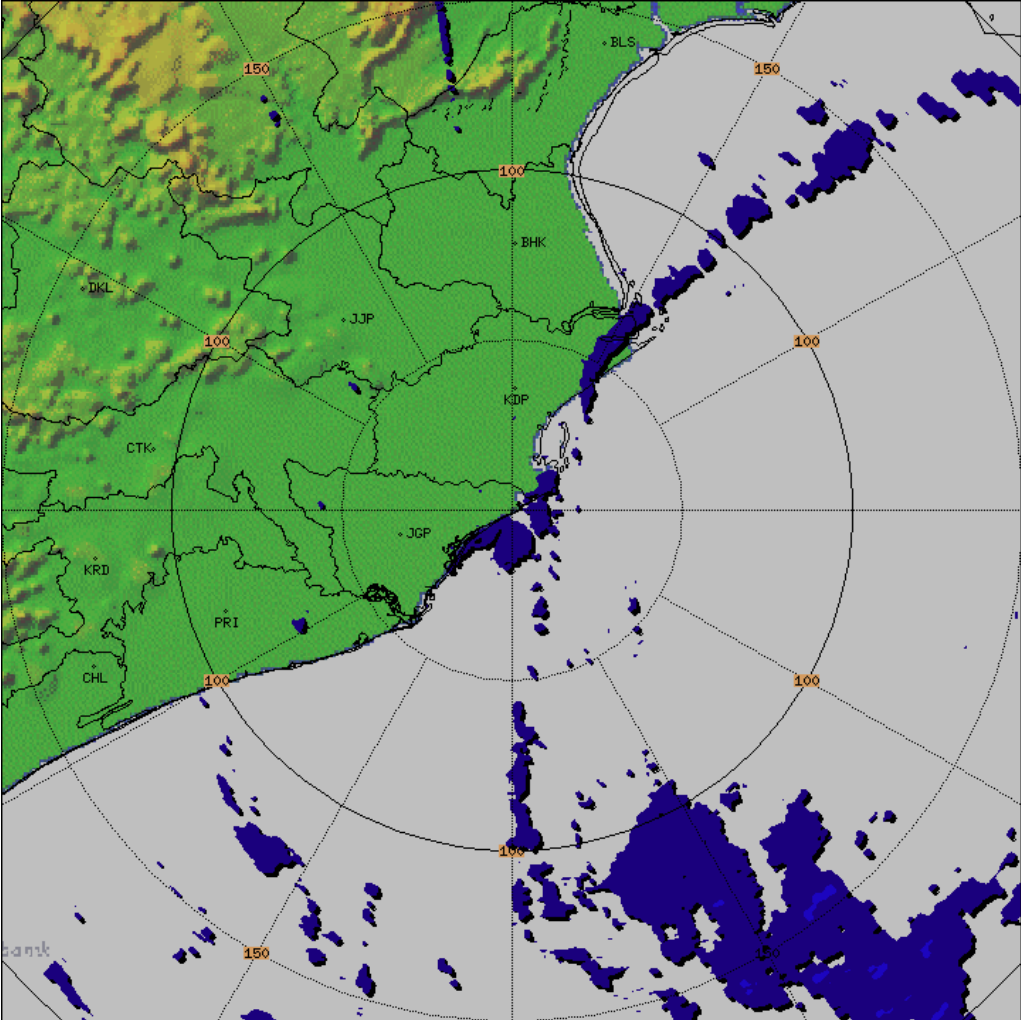
1.	Name of the Station	DWR PARADEEP
2.	Date & Time of observation (UTC)	24/10/2024 0600 UTC
3.	Name of Cyclone	DANA
4.	Information about the Eye of the cyclone	
	a)Is the Eye Visible	Distorted
	b)Shape of the Eye	N/A
	c)Diameter of the Eye (km)	20 (approx.)
	d)Estimation of centre of the cyclone based on Eye/Spiral band observation	19.20N/87.71E/136.4deg/161.8km
	e)Echo top (20 dBZ level) of rain bearing clouds around the System within 100 km radius	N/A
	f) Maximum radar reflectivity (dBZ) in eye wall and Spiral band region, its height (km) and position (azimuth and distance from the radar)	44.5dBZ/7.9km/141.3deg/153.0km
	g) Maximum reflectivity at any other area (spiral/ streamers etc)	41.00dBZ/9.1km/146.7deg/221.4km
	h) Maximum radial velocity in observed (mps), its height (km) and its position (azimuth and distance from the Radar)	-16.7mps/2.5km/112.8deg/143.4km
	i) Maximum velocity in any other area (spiral / streamers / rain shields etc)	32.3mps/2.6km/138.2deg/146.6km
5.	Tendency of the Cyclone	
	a. Intensity(Increasing/Decreasing)	N/A
	b. Duration for which the information on movement pertains to	One hour
	c. Direction of Movement	NW
	d. Estimated speed of Movement	19 kmph
6.	Any other Significant Feature	N/A
7.	Confidence	LOW

Dhaneesh K (Sc.D)

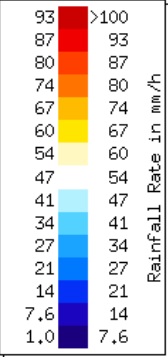
OFFICER-IN-CHARGE
DWR Paradeep

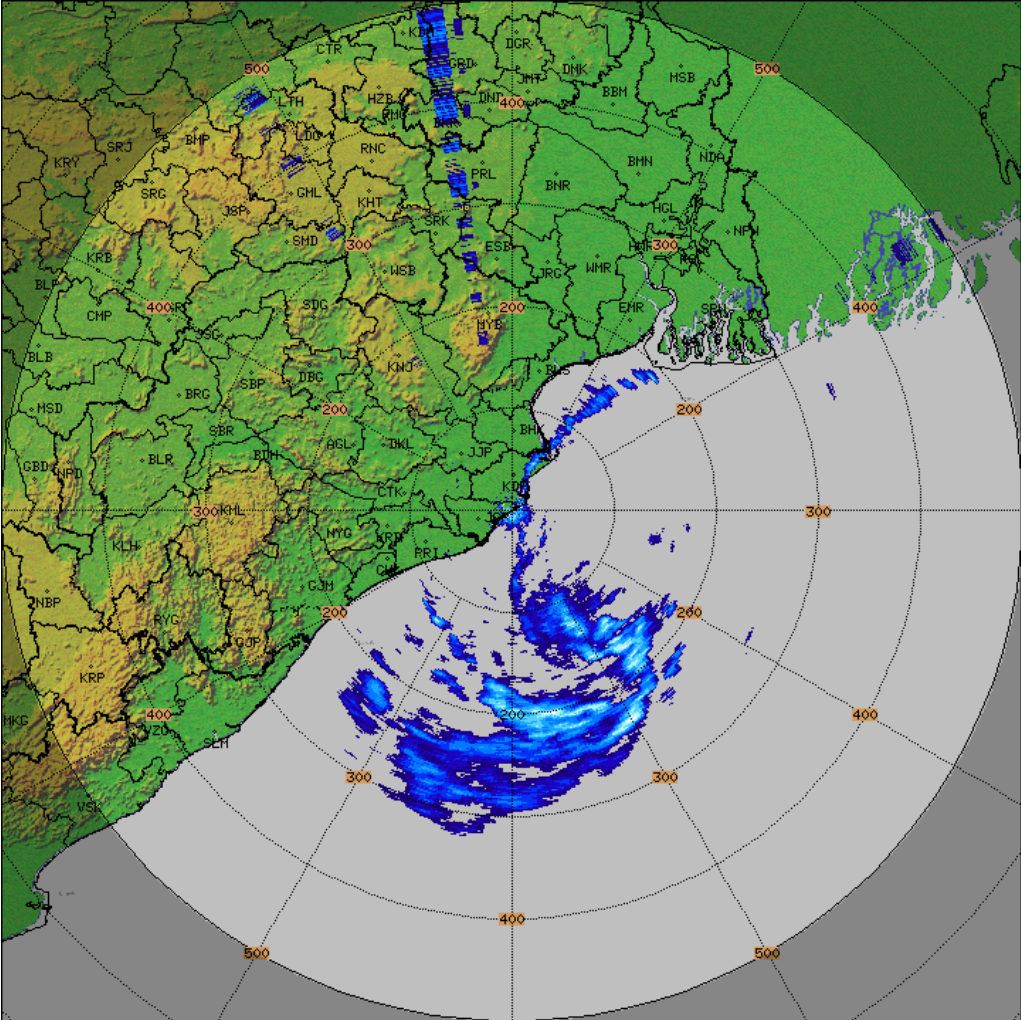


PARADEEP-RADAR
Vol. Vel. Proc.
VVP_30KM
Task: IMD-B
#Intervals:26
Heights:0-8 km
Max Range:30 km
06:12:18Z
24 OCT 2024 UTC



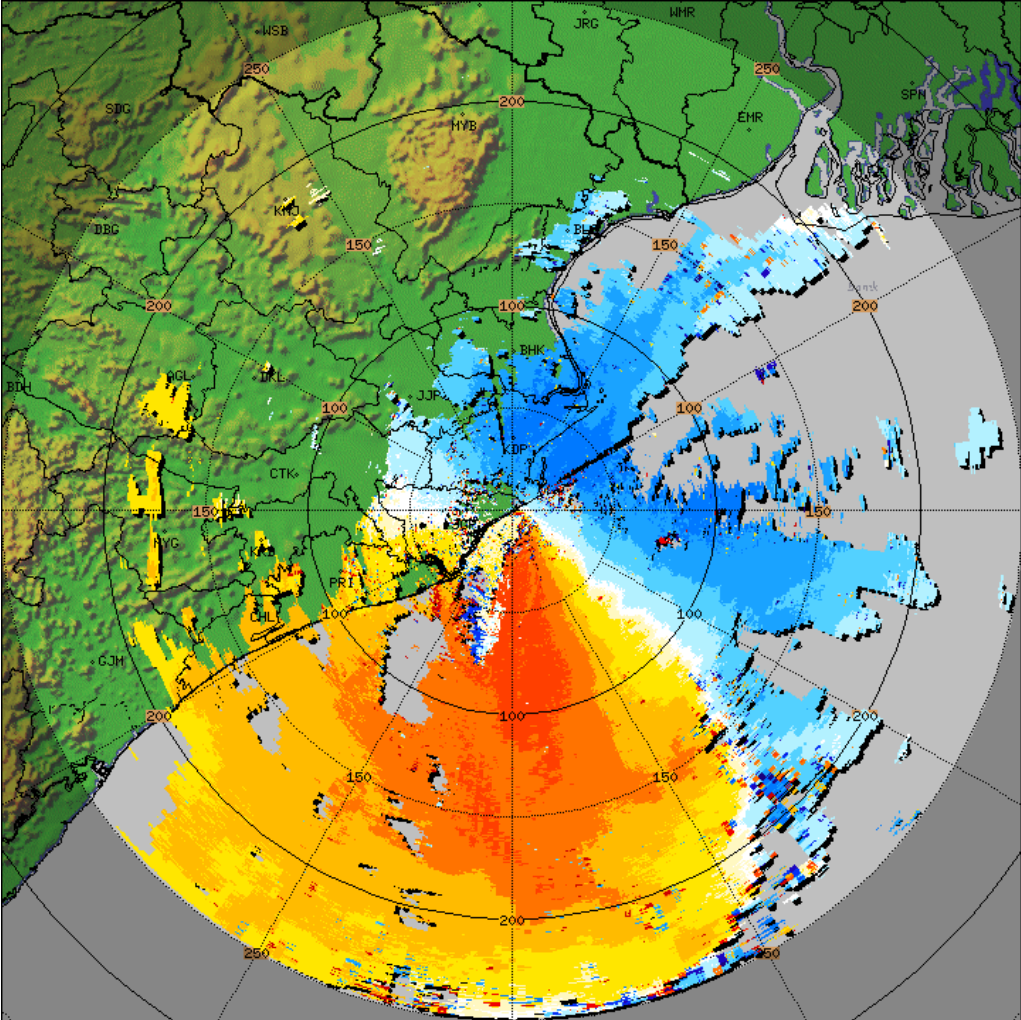
PARADEEP-RADAR
Surface Rainfall
SRI_150
Task: IMD-B
PRF:600/450
Melt:Unknown
Max Range:150 km
06:12:18Z
24 OCT 2024 UTC



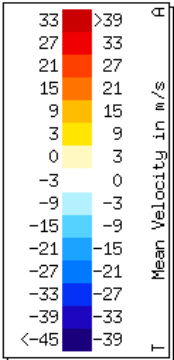


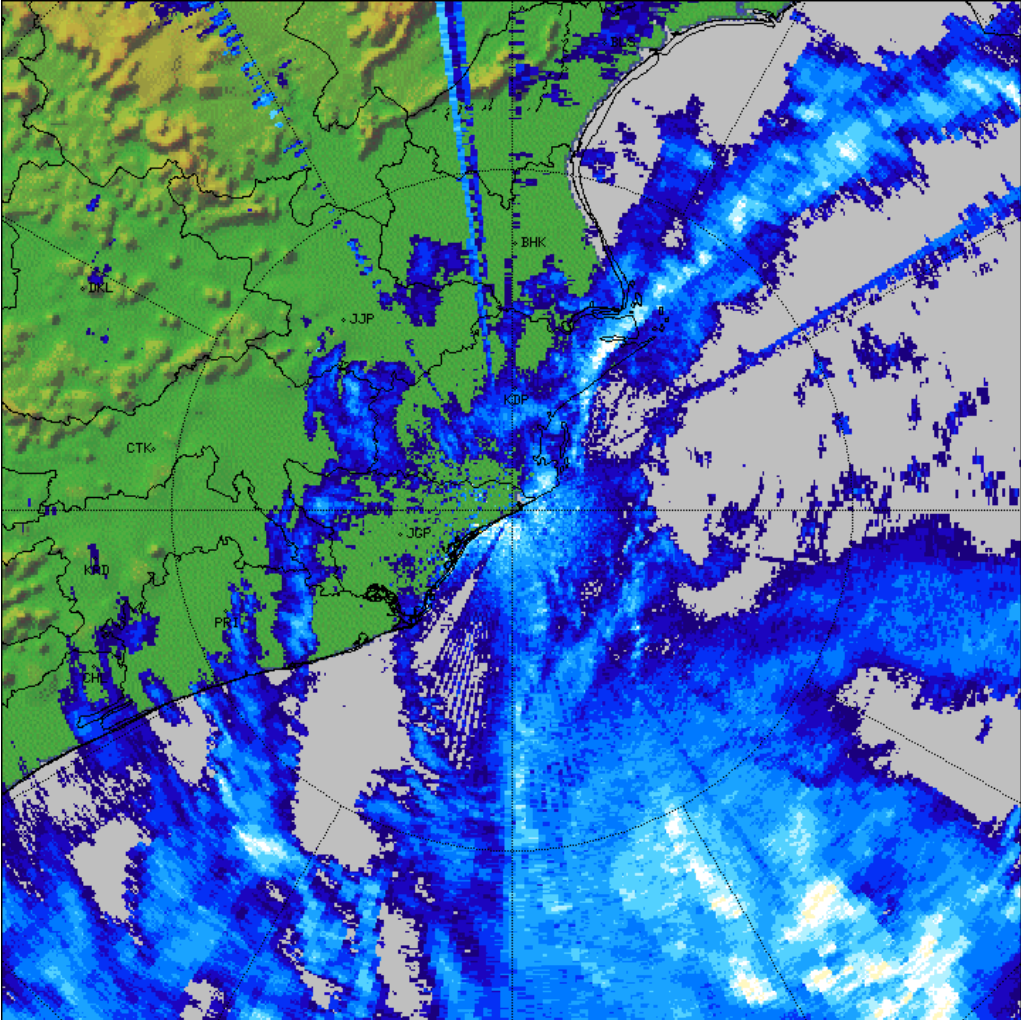
PARADEEP-RADAR
PPI
PPI_Z
Task: IMD-C
PRF: 250Hz
Elevation:0.5
Max Range:500 km
06:20:24Z
24 OCT 2024 UTC

57.3	>60.0
54.7	57.3
52.0	54.7
49.3	52.0
46.7	49.3
44.0	46.7
41.3	44.0
38.7	41.3
36.0	38.7
33.3	36.0
30.7	33.3
28.0	30.7
25.3	28.0
22.7	25.3
20.0	22.7

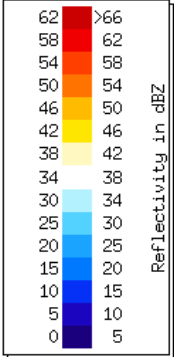


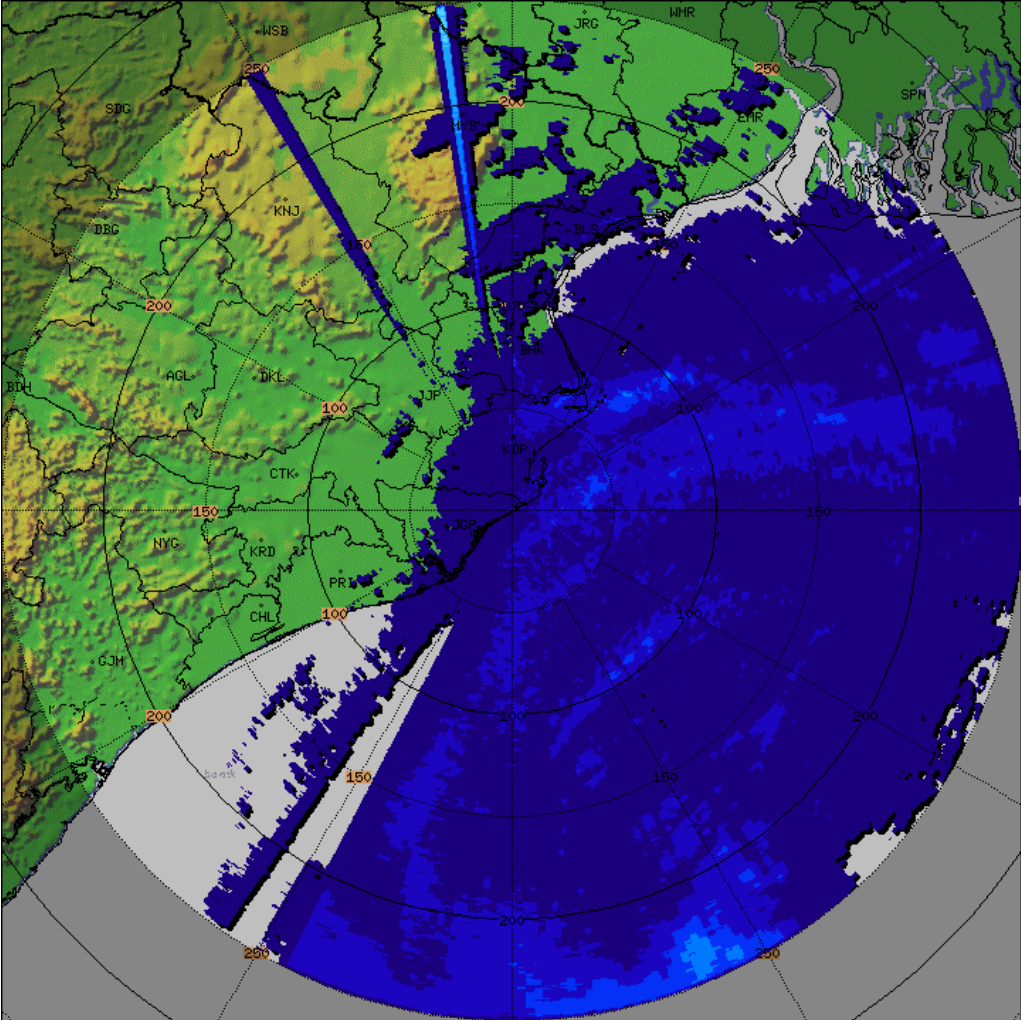
PARADEEP-RADAR
PPI
PPI_V
Task: IMD-B
PRF:600/450
Elevation:0.5
Max Range:250 km
06:12:18Z
24 OCT 2024 UTC





PARADEEP-RADAR
PPI
PPI_150KM
Task: IMD-B
PRF:600/450
Elevation:0.5
Max Range:150 km
06:12:18Z
24 OCT 2024 UTC





PARADEEP-RADAR
N Hours Rainfall
HOUR_24
Task: IMD-B
PRF:600/450
Hours:21/24
Max Range:250 km
03:00:00Z
24 OCT 2024 UTC

93	>100
87	93
80	87
74	80
67	74
60	67
54	60
47	54
41	47
34	41
27	34
21	27
14	21
7,6	14
1,0	7,6

