

DWR PARADEEP

Cyclone bulletin No.27

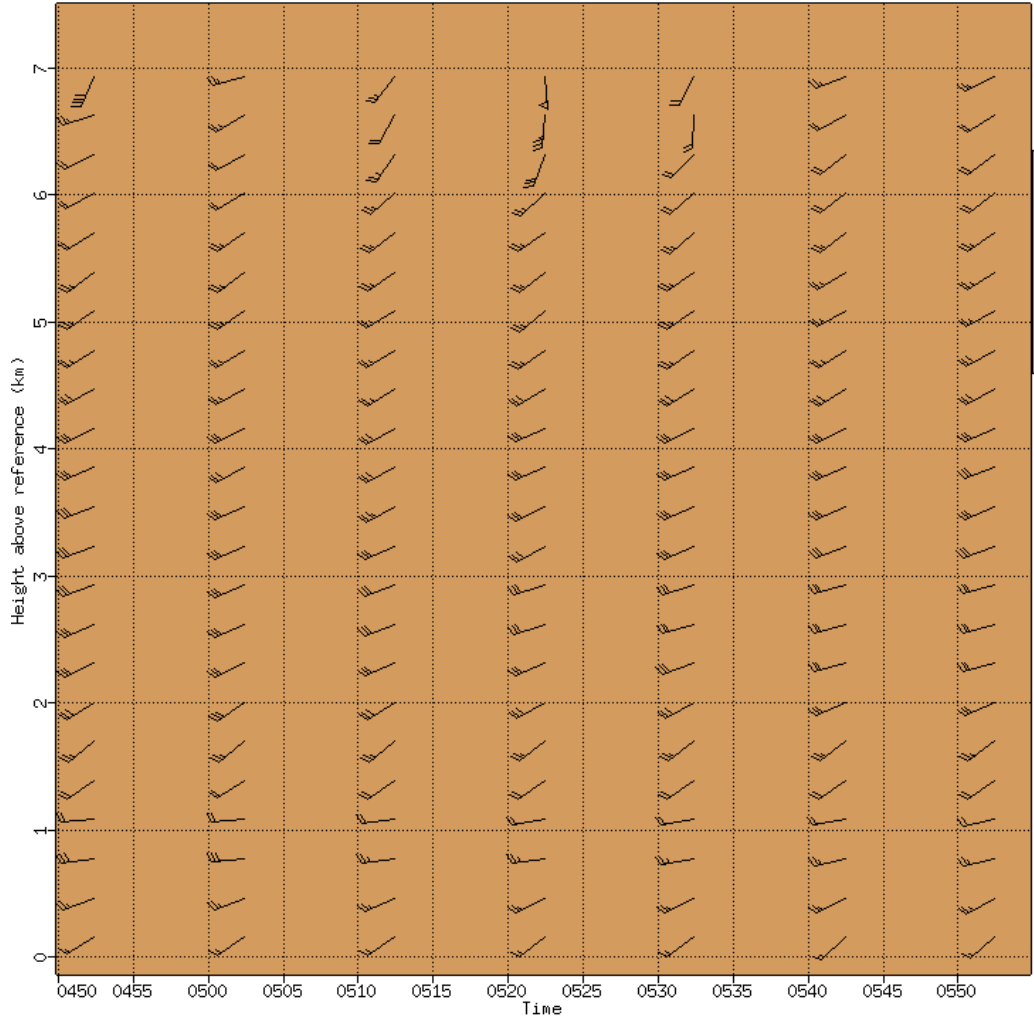
Cyclone : DANA

Time: 25/10/2024 11:30 IST

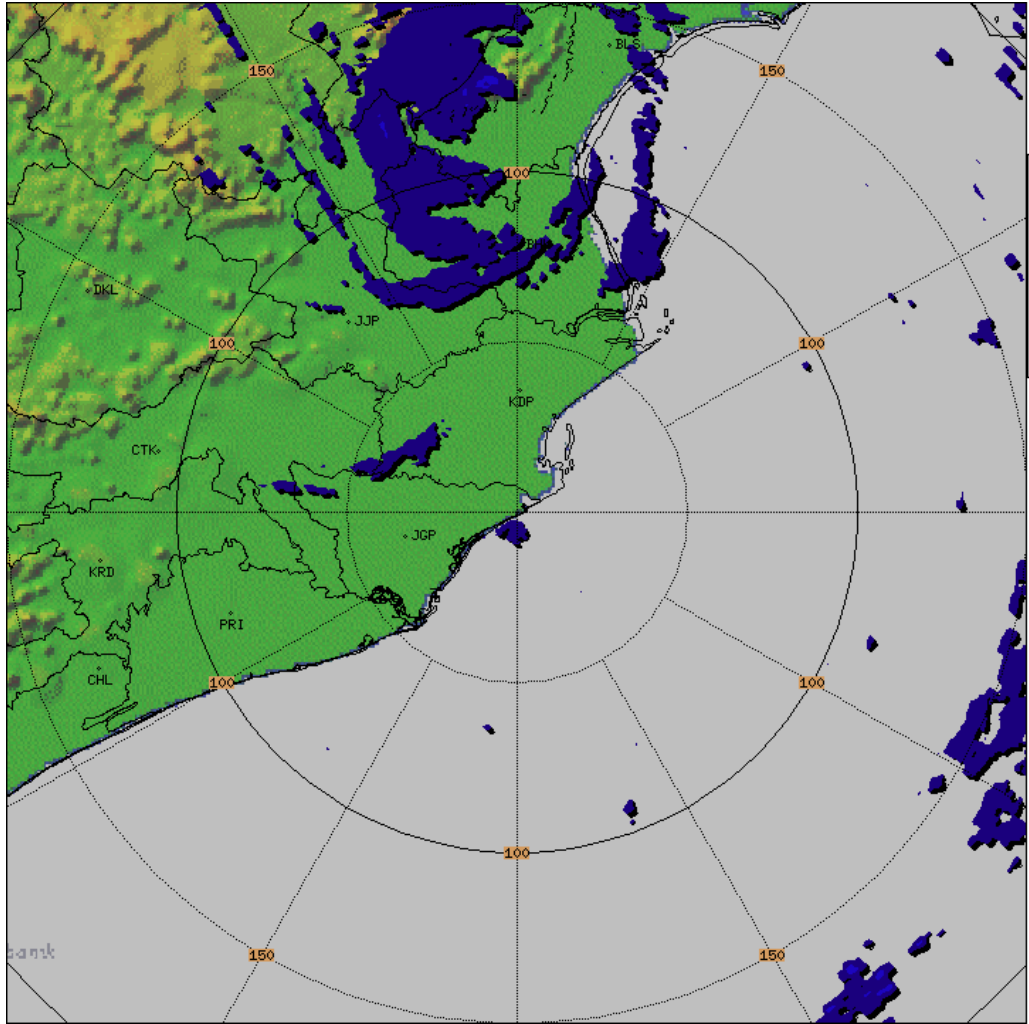
1.	Name of the Station	DWR PARADEEP
2.	Date & Time of observation (UTC)	25/10/2024 0600 UTC
3.	Name of Cyclone	DANA
4.	Information about the Eye of the cyclone	
	a)Is the Eye Visible	Pariall visible
	b)Shape of the Eye	Circular
	c)Diameter of the Eye (km)	16km
	d)Estimation of centre of the cyclone based on Eye/Spiral band observation	21.26N/86.60E/357.2deg/111.6km
	e)Echo top (20 dBZ level) of rain bearing clouds around the System within 100 km radius	10km
	f) Maximum radar reflectivity (dBZ) in eye wall and Spiral band region, its height (km) and position (azimuth and distance from the radar)	37.0dBZ/7.9km/355.2deg/124.9km
	g) Maximum reflectivity at any other area (spiral/ streamers etc)	42.0dBZ/9.1km/110.8deg/171.7km
	h) Maximum radial velocity in observed (mps), its height (km) and its position (azimuth and distance from the Radar)	31.88mps/2.0km/358.9deg/123.3km
	i) Maximum velocity in any other area (spiral / streamers / rain shields etc)	-26.56mps/2.0km/346.1deg /120.6km
5.	Tendency of the Cyclone	
	a. Intensity(Increasing/Decreasing)	<u>Weakening</u>
	b. Duration for which the information on movement pertains to	One hour
	c. Direction of Movement	WSW
	d. Estimated speed of Movement	17 kmph(approx)
6.	Any other Significant Feature	N/A
7.	Confidence	GOOD

Dhaneesh K (Sc.D)

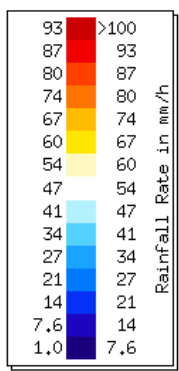
OFFICER-IN-CHARGE
DWR Paradeep

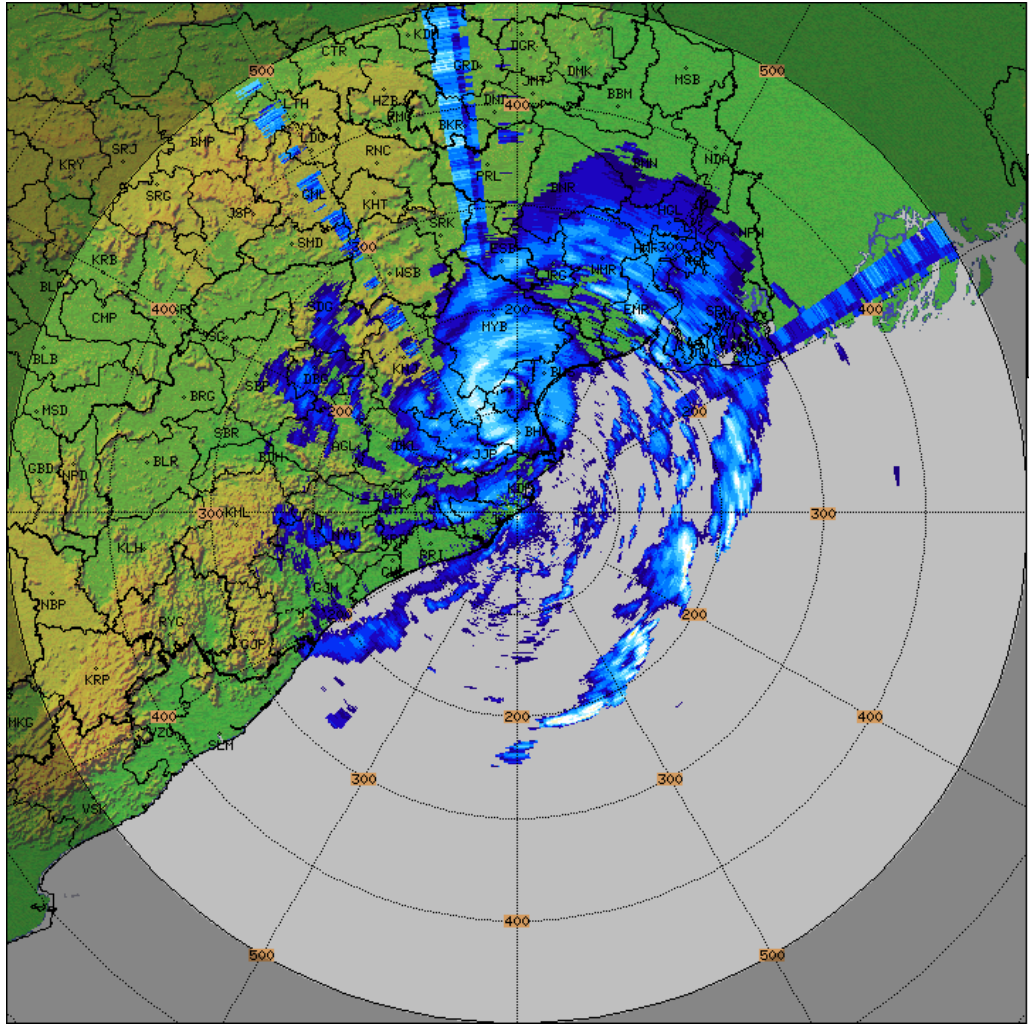


PARADEEP-RADAR
Vol. Vel. Proc.
VVP_30KM
Task: IMD-B
#Intervals:26
Heights:0-8 km
Max Range:30 km
05:52:18Z
25 OCT 2024 UTC

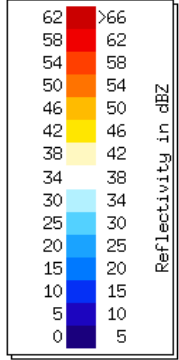


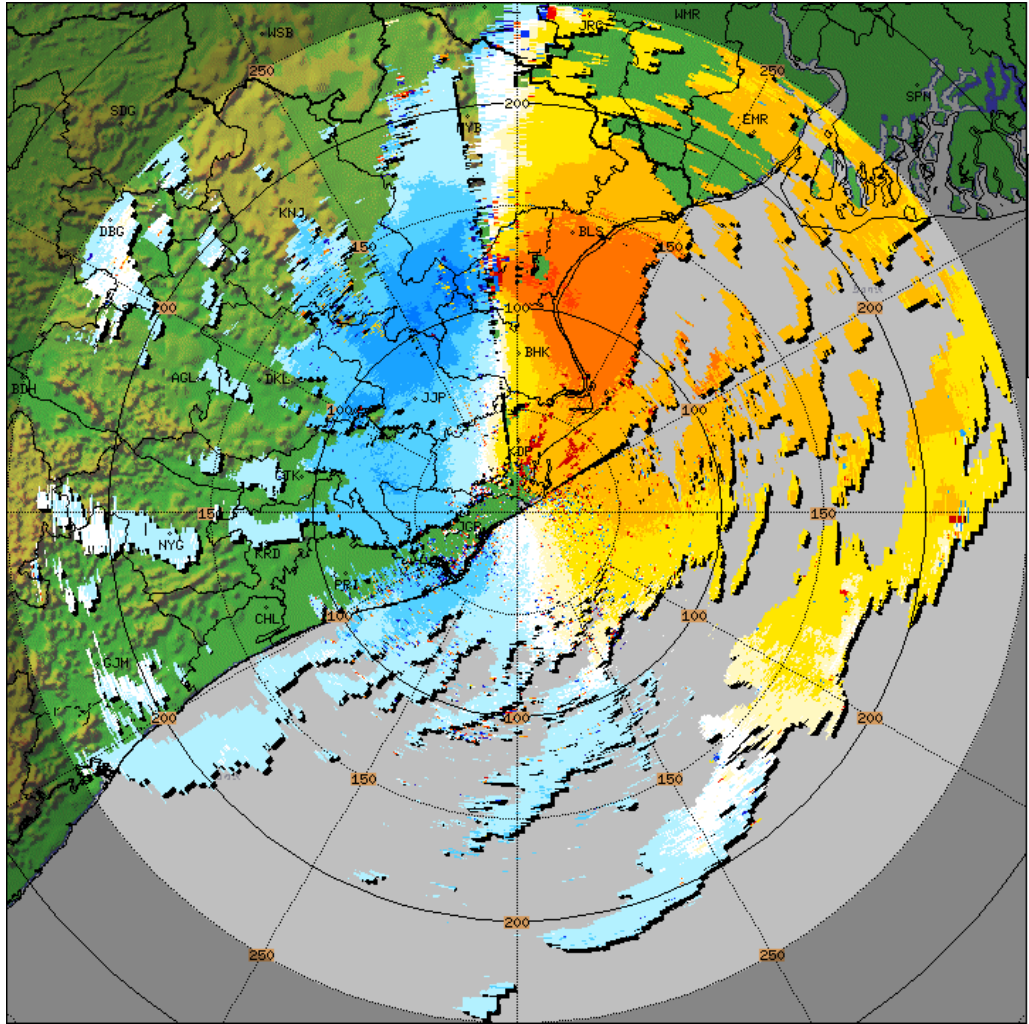
PARADEEP-RADAR
 Surface Rainfall
 SRI_150
 Task: IMD-B
 PRF:600/450
 Melt:Unknown
 Max Range:150 km
05:52:18Z
25 OCT 2024 UTC



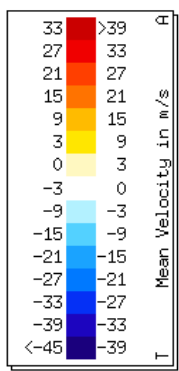


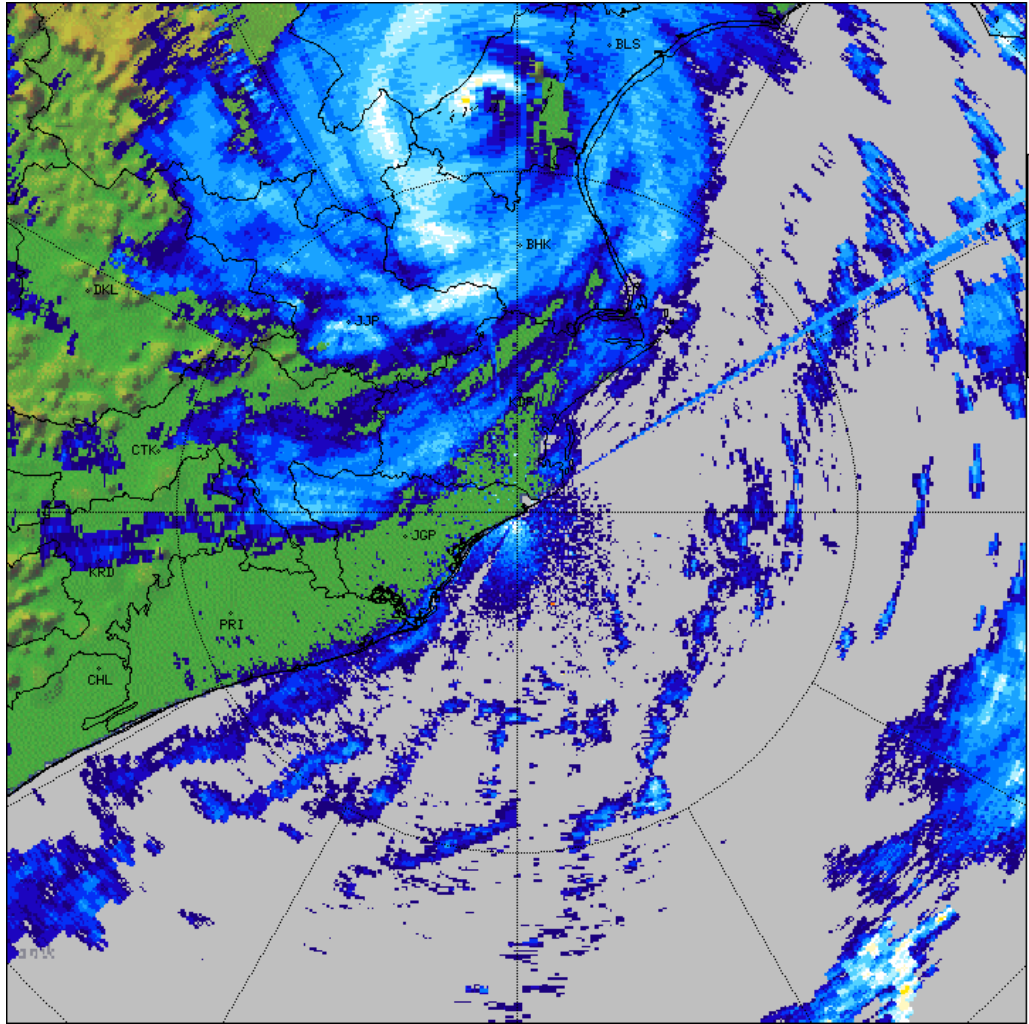
PARADEEP-RADAR
 PPI
 PPI_Z
 Task: IMD-C
 PRF: 250Hz
 Elevation:0.5
 Max Range:500 km
06:10:24Z
25 OCT 2024 UTC



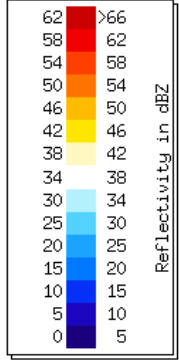


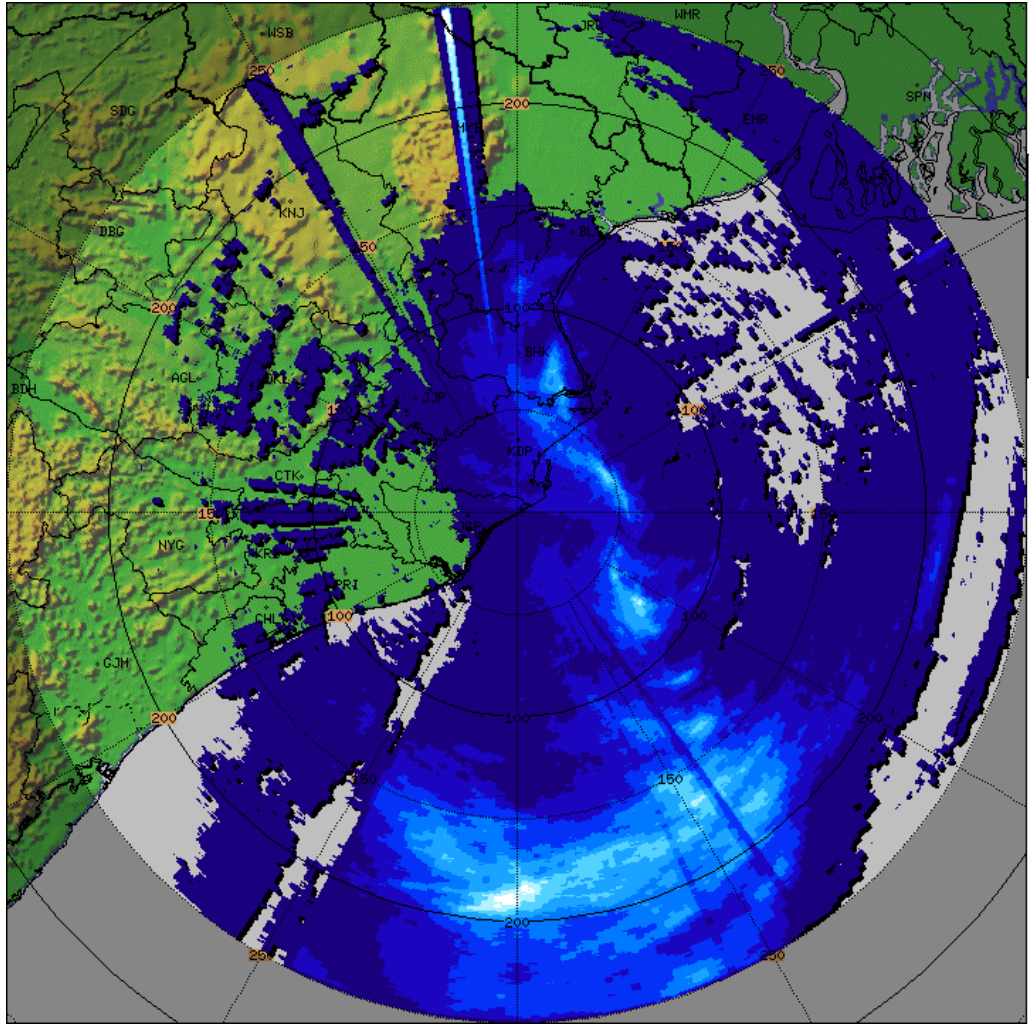
PARADEEP-RADAR
 PPI
 PPI_V
 Task: IMD-B
 PRF:600/450
 Elevation:0.5
 Max Range:250 km
06:02:23Z
 25 OCT 2024 UTC





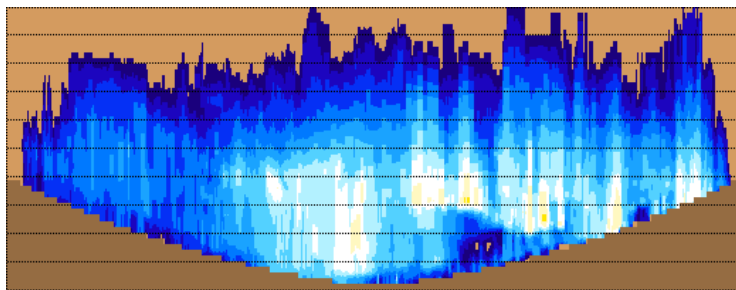
PARADEEP-RADAR
PPI
PPI_150KM
Task: IMD-B
PRF:600/450
Elevation:0.5
Max Range:150 km
06:02:23Z
25 OCT 2024 UTC





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

Rain Accum. in mm	
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



13.6
12.1
10.6
9.0
7.5
6.0
4.5
3.0
1.5

PARADEEP-RADAR
Max with panels
MAX_Z
Task: IMD-B
Min Hgt:0.0 km
Max Hgt:15.0 km
Max Range:250 km
06:02:23Z
25 OCT 2024 UTC

