

DWR MACHILIPATNAM CYCLONE BULLETIN

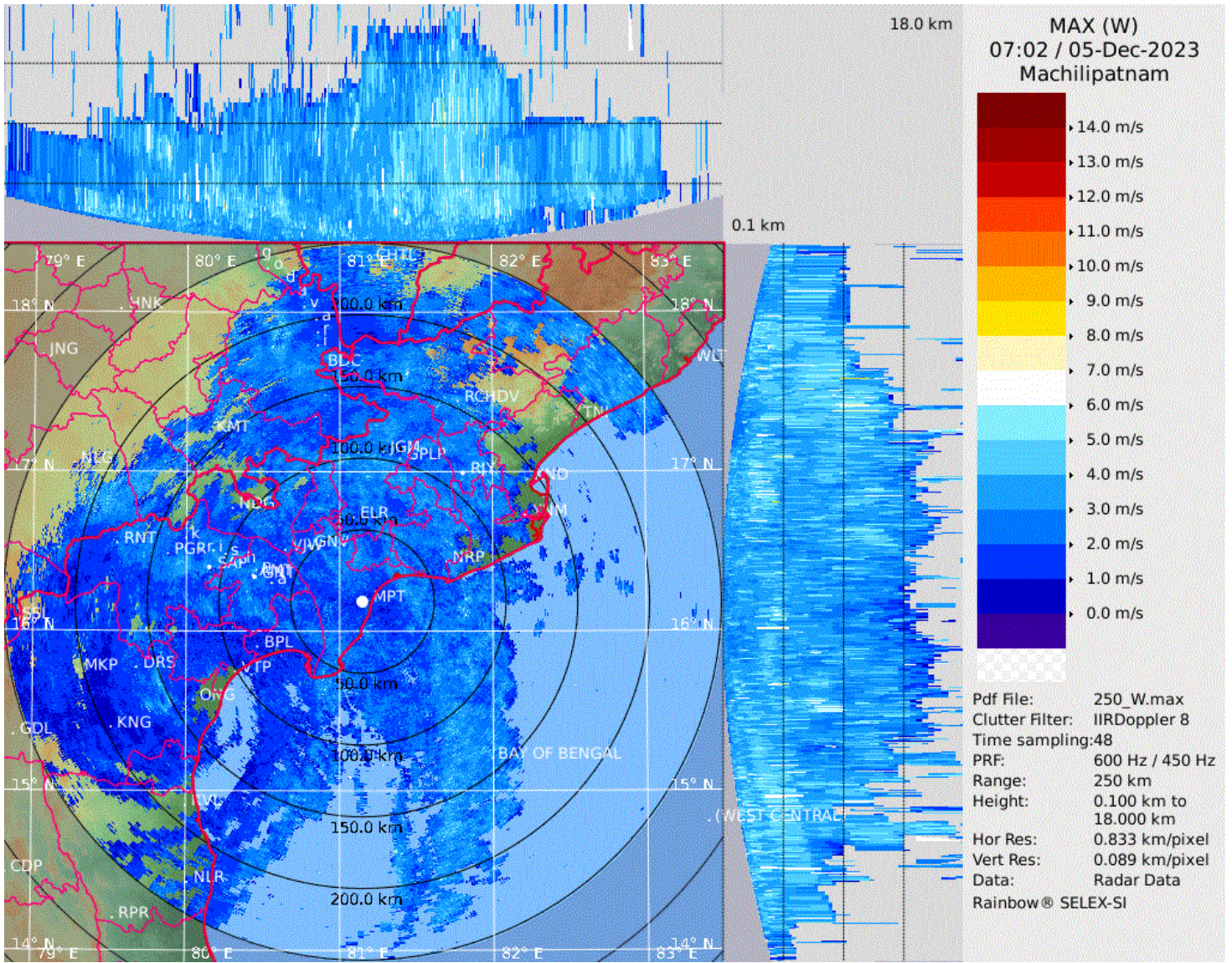
CYCLONE BULLETIN NO: 17

MICHAUNG  
CYCLONE

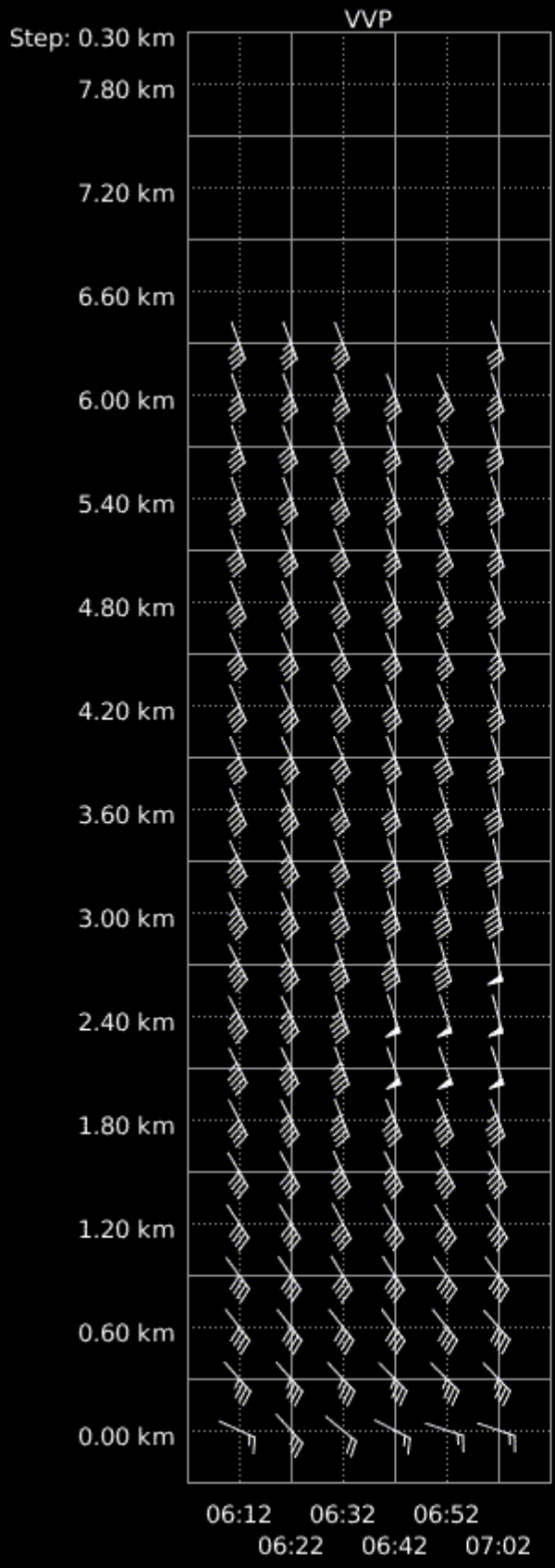
TIME: 05/12/2023 1230IST

1.	Name of the station	DWR MACHILIPATNAM
2.	Date and Time of Observation (UTC)	07:00 UTC
3.	Name of the Cyclone	MICHAUNG
4.	Information about the eye of the Cyclone	
	a. Is the Eye Visible	Yes
	b. Shape of the Eye	Open
	c. Diameter of the Eye(km)	---
	d. Estimation of centre of the cyclone based on Eye/spiral band observation	15.574°N, 80.229°E
	e. Echo top (height 20 dBZ level) of rain bearing clouds around the cyclone within 100 Km radius (km)	5.97 Km
	f. Maximum radar reflectivity (dBZ) & rainfall rate (mm/h) in the eye wall/spiral band region, its height (km) and position (azimuth and distance from the radar)	33.5 dBZ 3.32 Km (245.5 deg, 154.6 km)
	g. Maximum reflectivity at any other area (spiral/ streamers etc)	46.0 dBZ 2.61 km (72.0 deg, 67.0 km)
	h. Maximum radial velocity in eye wall/spiral band region (mps), its height (km) and its position (azimuth and distance from the Radar)	18.87 mps 1.53 kms (251.9 deg, 133.5 km)
	i. Maximum velocity in any other area (spiral / streamers / rain shields etc)	44.41 mps 2.08 km (159.6 deg, 159.8 km)
5.	Tendency of the Cyclone	
	a. Intensity(Increasing/Decreasing)	No Change
	b. Duration for which the information on movement pertains to	Last one Hour
	c. Direction of Movement	NNE
	d. Estimated speed of Movement	18 kmph
6.	Any other Significant Feature	Probably landfall process initiated
7.	Confidence	FAIR

S.PRAYEK  
OFFICER IN CHARGE  
DWR MACHILIPATNAM





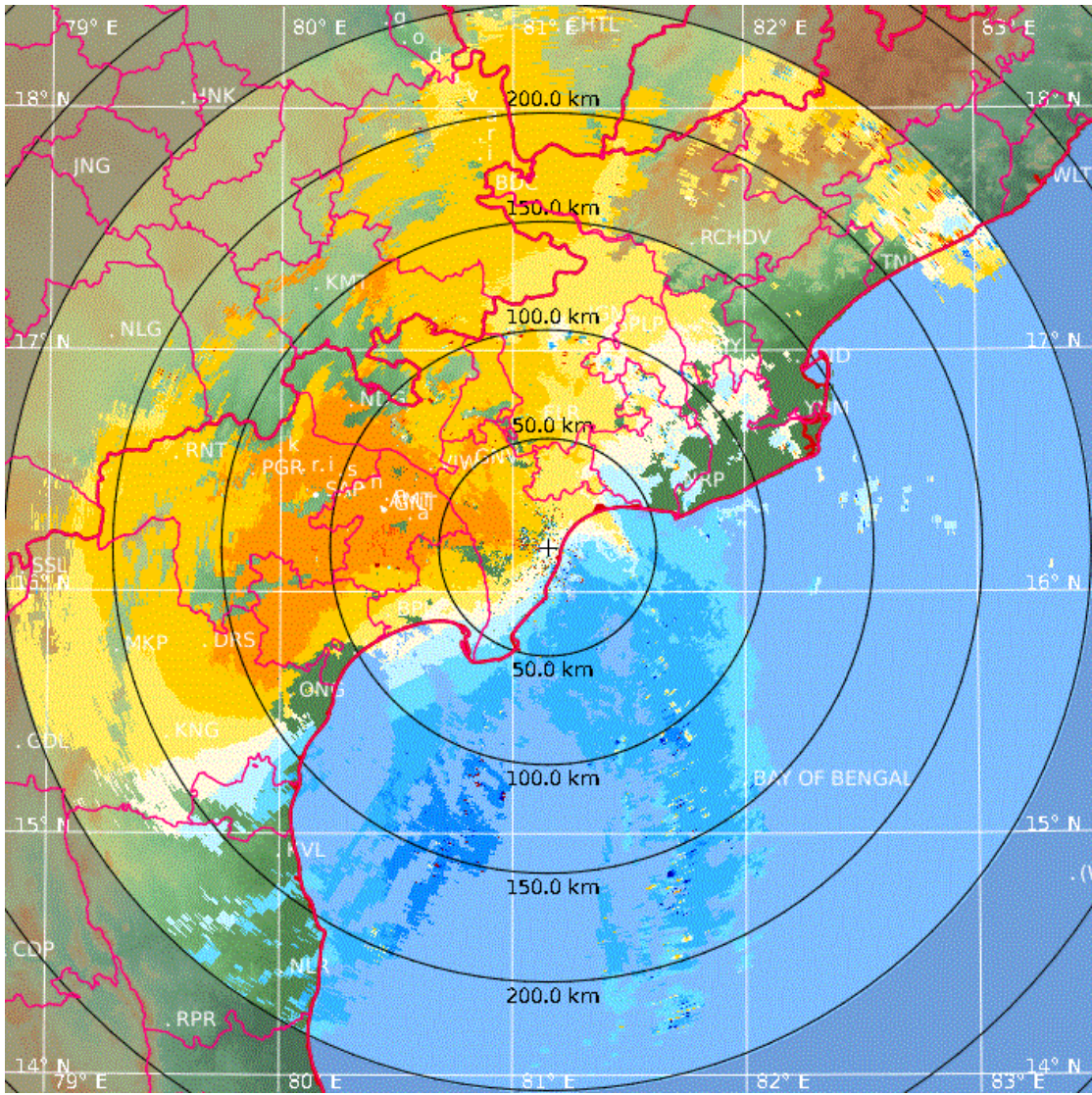


VVP (V)  
 07:02 / 05-Dec-2023  
 Machilipatnam

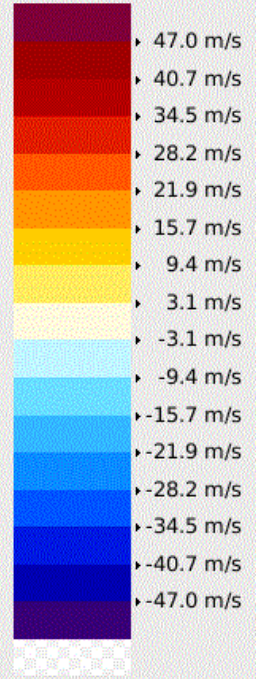
Pdf File: 30.vvp  
 Range: 0 km to 30 km  
 Clutter Filter: IIRDoppler 8  
 Time sampling: 48  
 PRF: 600 Hz / 450 Hz  
 Alg type: Complete  
 Elevation: 0.2 deg to 16.0 deg  
 Second reg: On

Rainbow® SELEX-SI



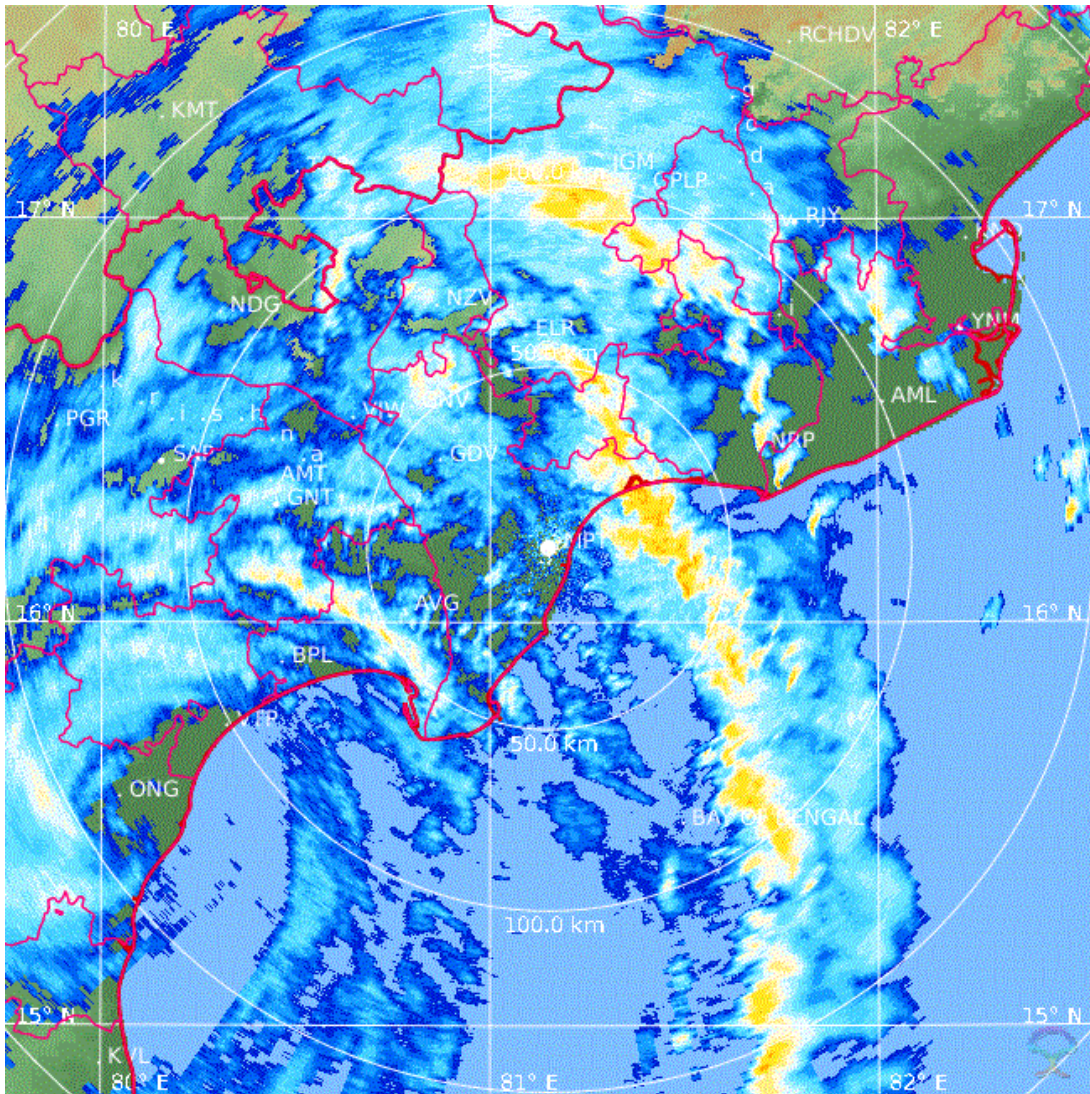


**PPI (V)**  
 07:02 / 05-Dec-2023  
 Machilipatnam

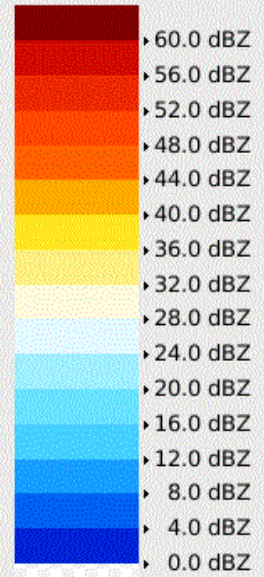


Pdf File: 250\_PPV.ppi  
 Clutter Filter: IIRDoppler 8  
 Time sampling: 48  
 PRF: 600 Hz / 450 Hz  
 Range: 250 km  
 Resolution: 0.714 km/pixel  
 Elevation: 0.2 deg  
 Data: Radar Data  
 Rainbow® SELEX-SI



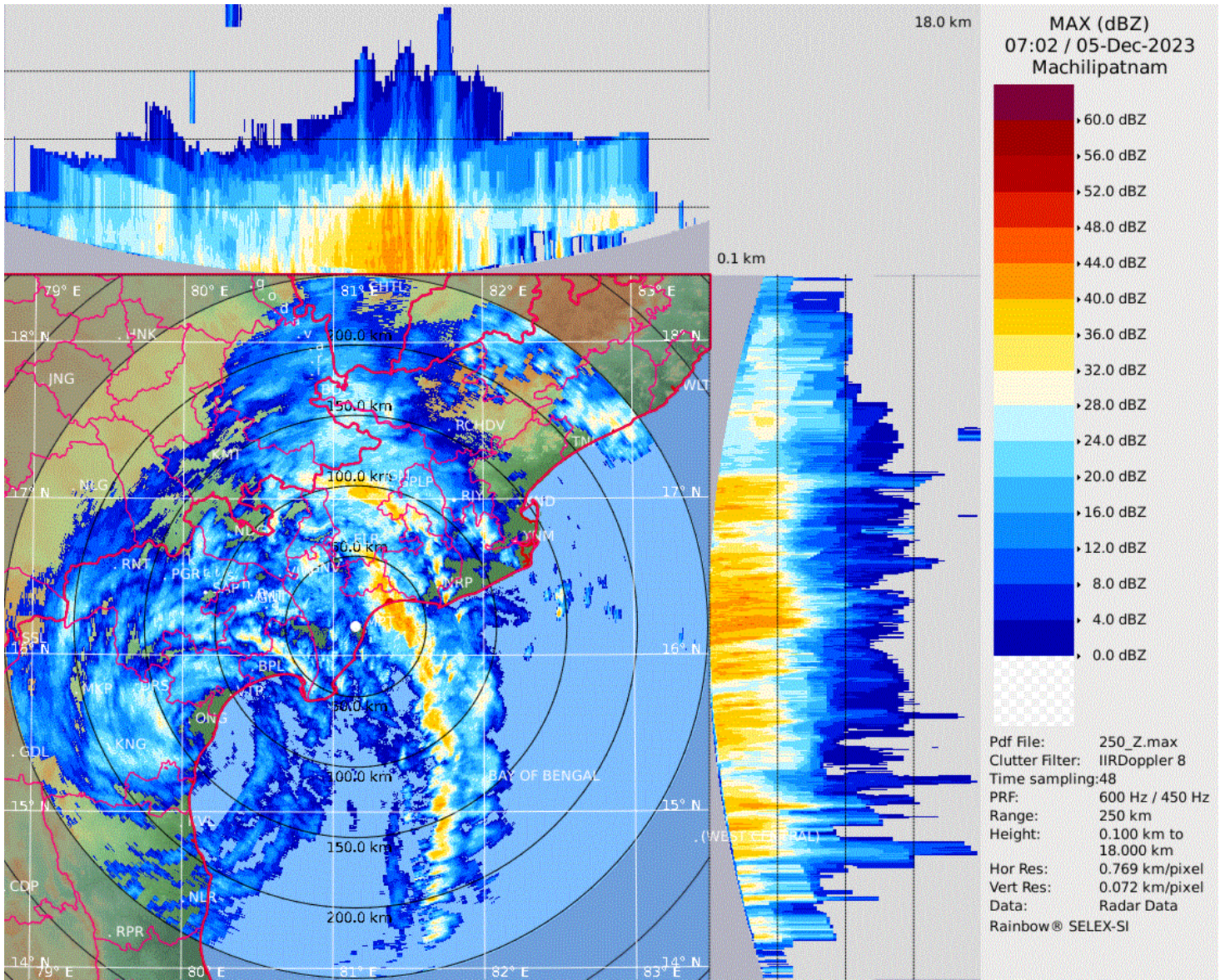


PPI (dBZ)  
07:02 / 05-Dec-2023  
Machilipatnam

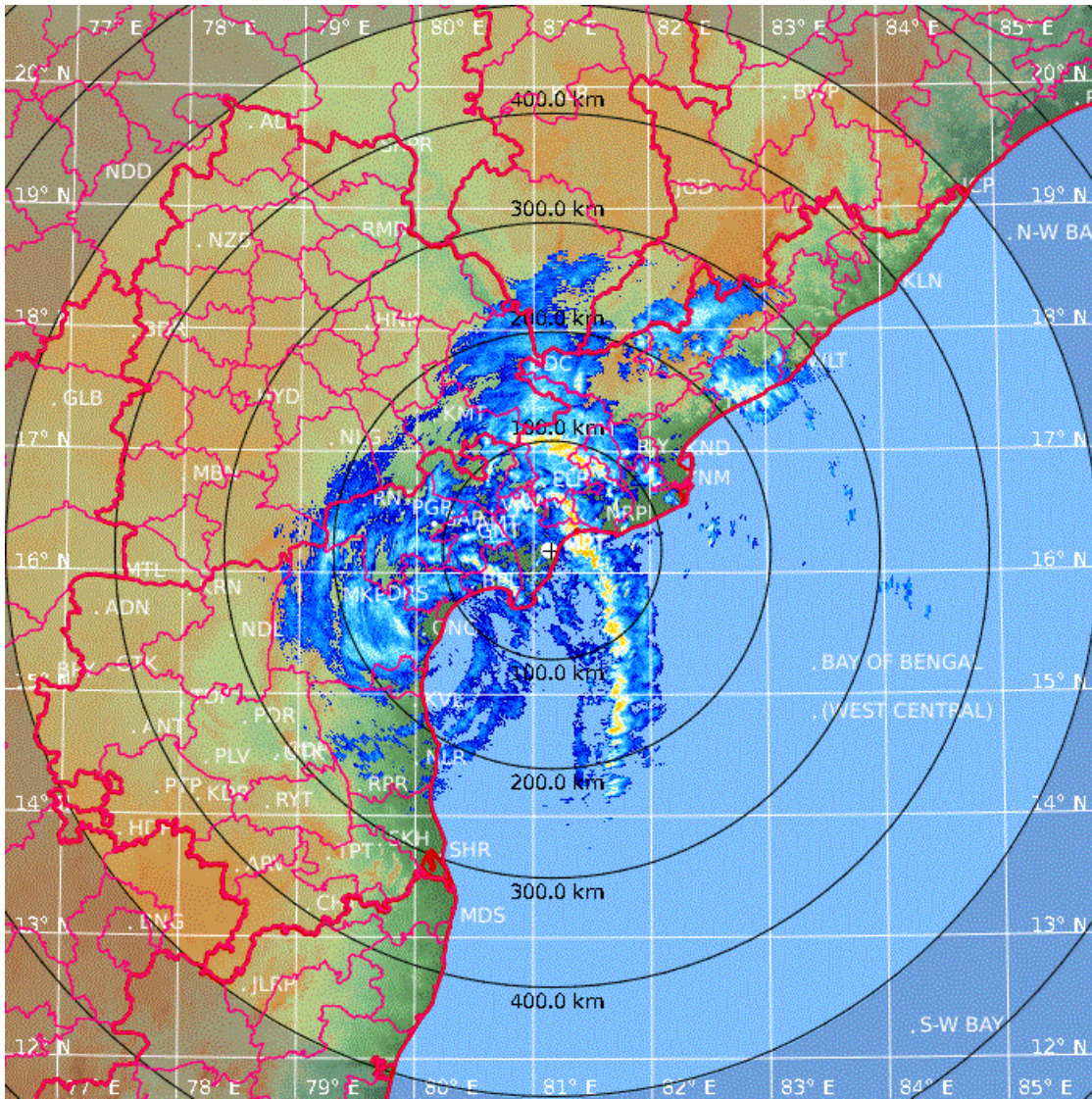


Pdf File: 150\_PPZ.ppi  
 Clutter Filter: IIRDoppler 8  
 Time sampling: 48  
 PRF: 600 Hz / 450 Hz  
 Range: 150 km  
 Resolution: 0.462 km/pixel  
 Elevation: 0.2 deg  
 Data: Radar Data  
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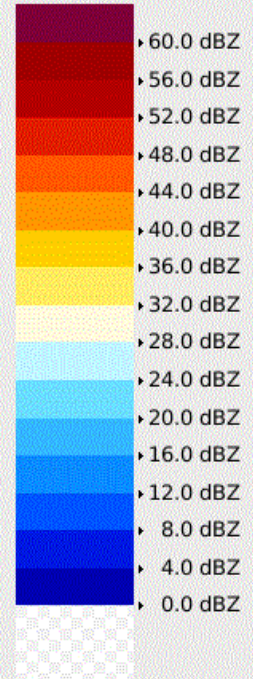








PPI (dBZ)  
07:00 / 05-Dec-2023  
Machilipatnam



Pdf File: 500\_PPZ.ppi  
 Clutter Filter: IIRDoppler 10  
 Time sampling: 25  
 PRF: 300 Hz  
 Range: 500 km  
 Resolution: 1.429 km/pixel  
 Elevation: 0.2 deg  
 Data: Radar Data  
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