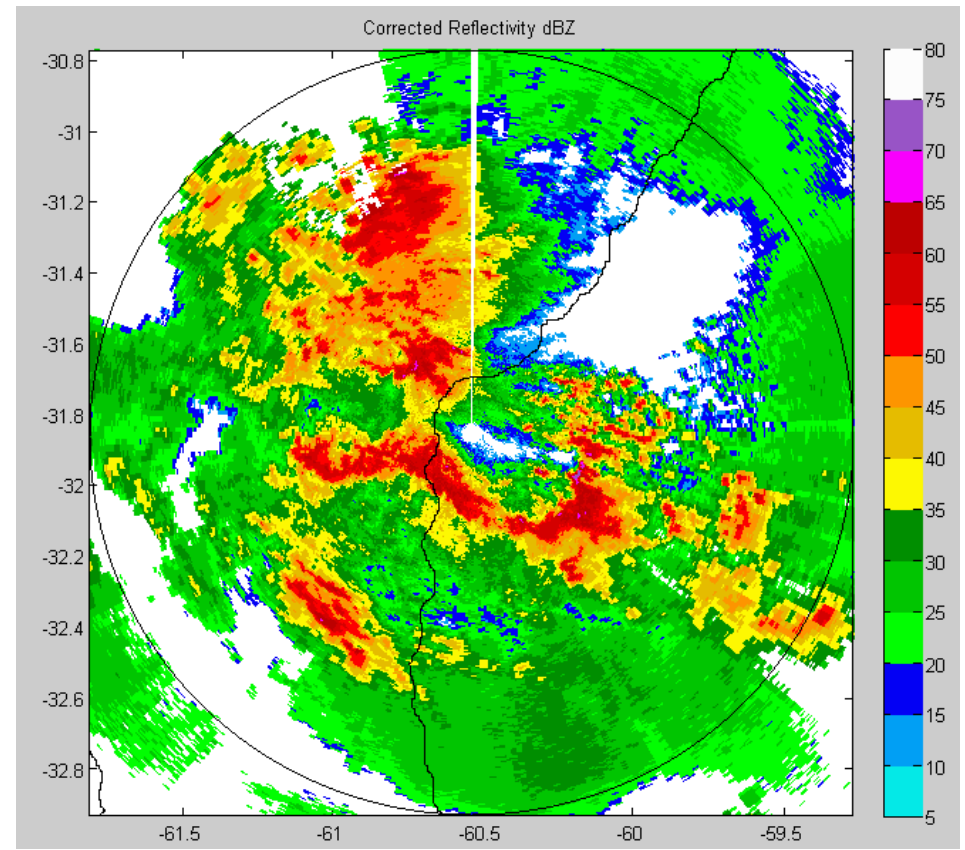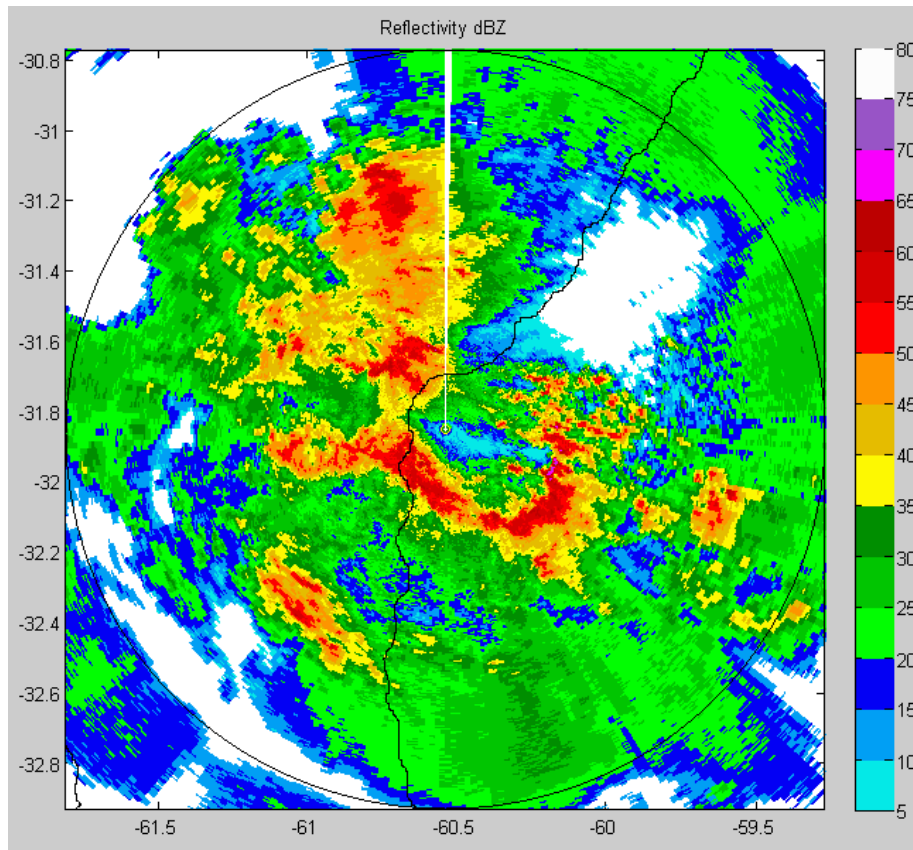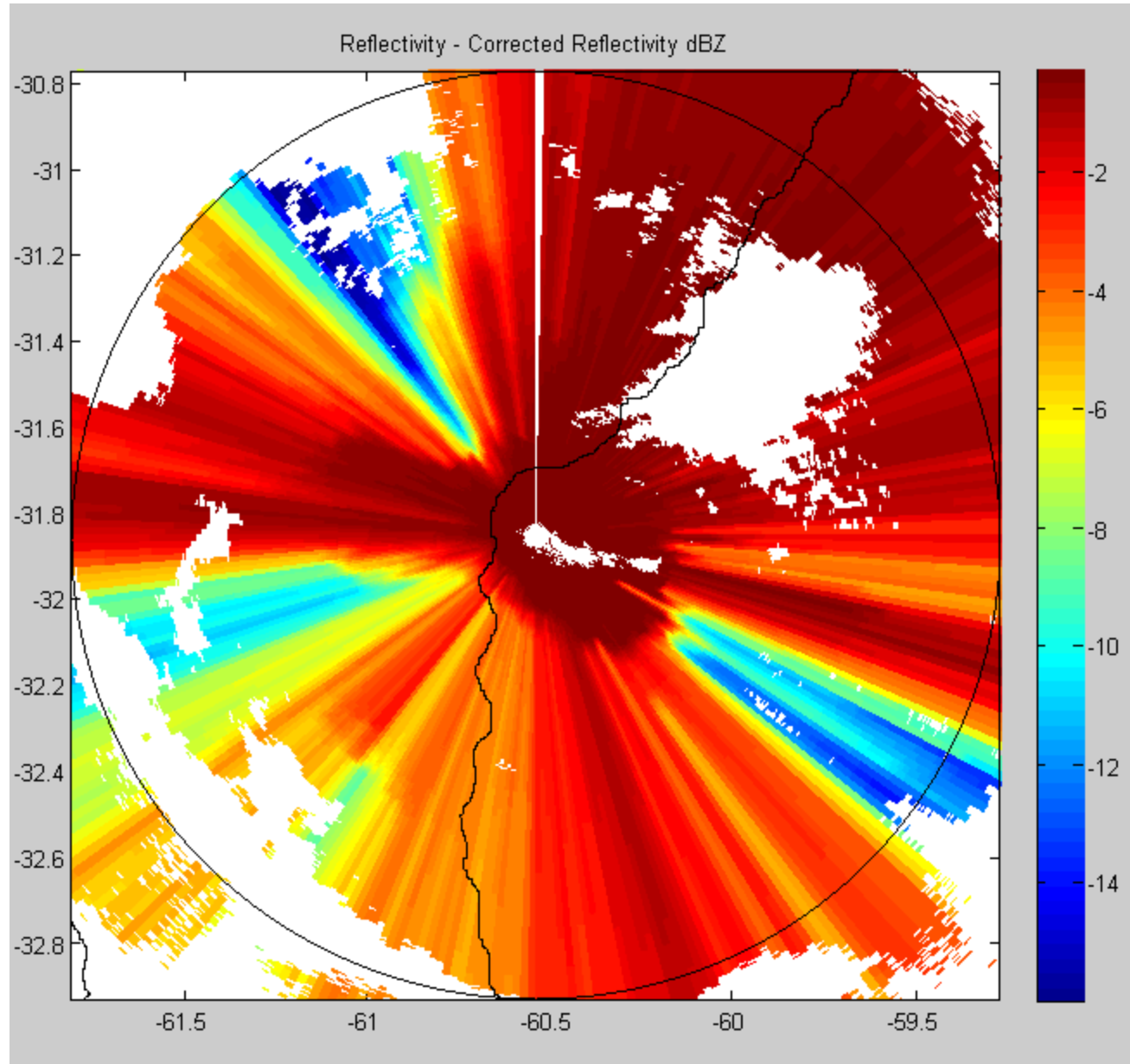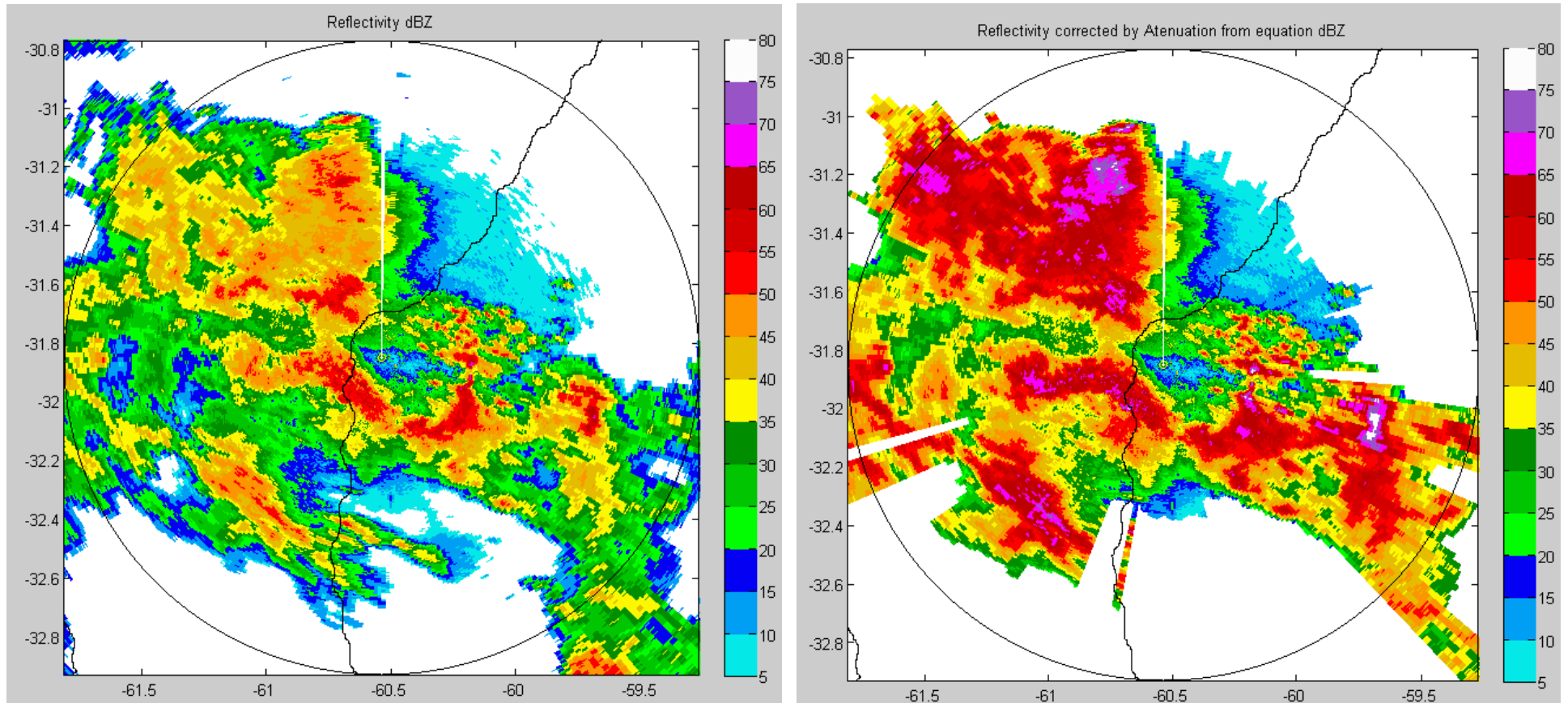# Exercise 2: Attenuation correction using ZPHI method
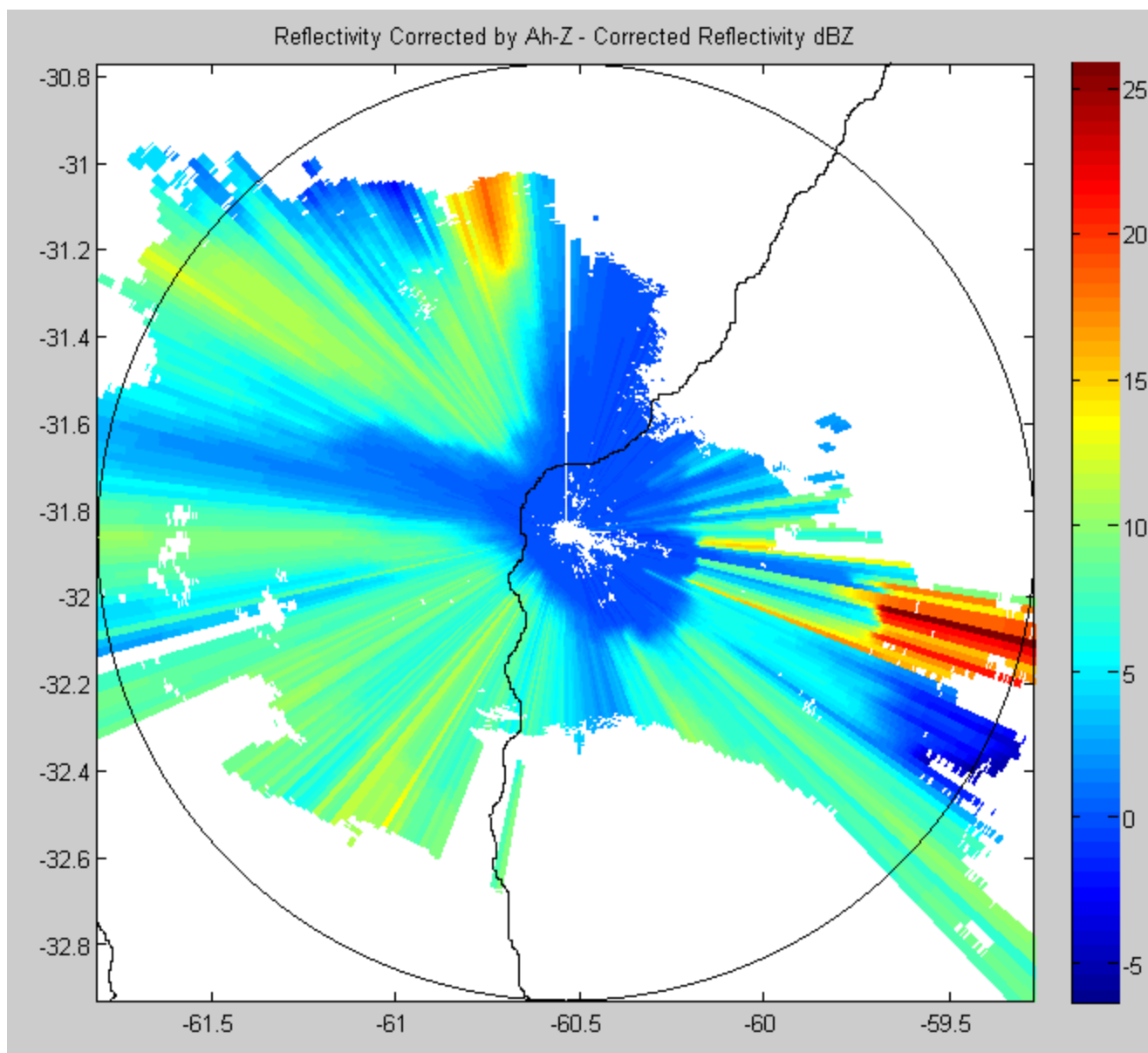


```
BIAS ----> -1.4831 dBZ

RMSE ----> 2.967 dBZ

MAX DIFFERENCE ----> -0.24813 dBZ

MIN DIFFERENCE ----> -15.9923 dBZ
```
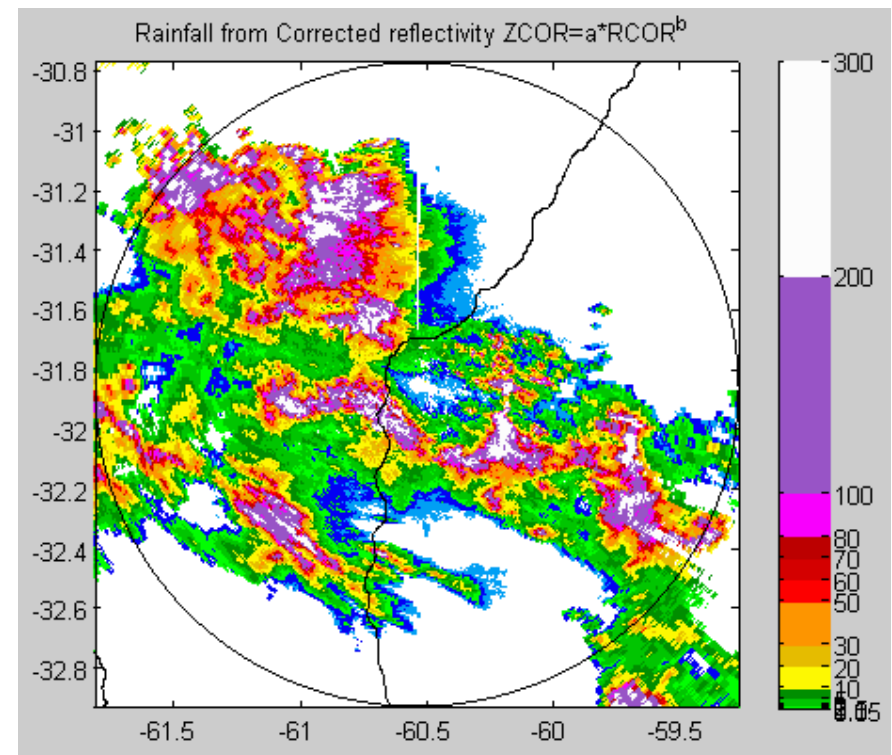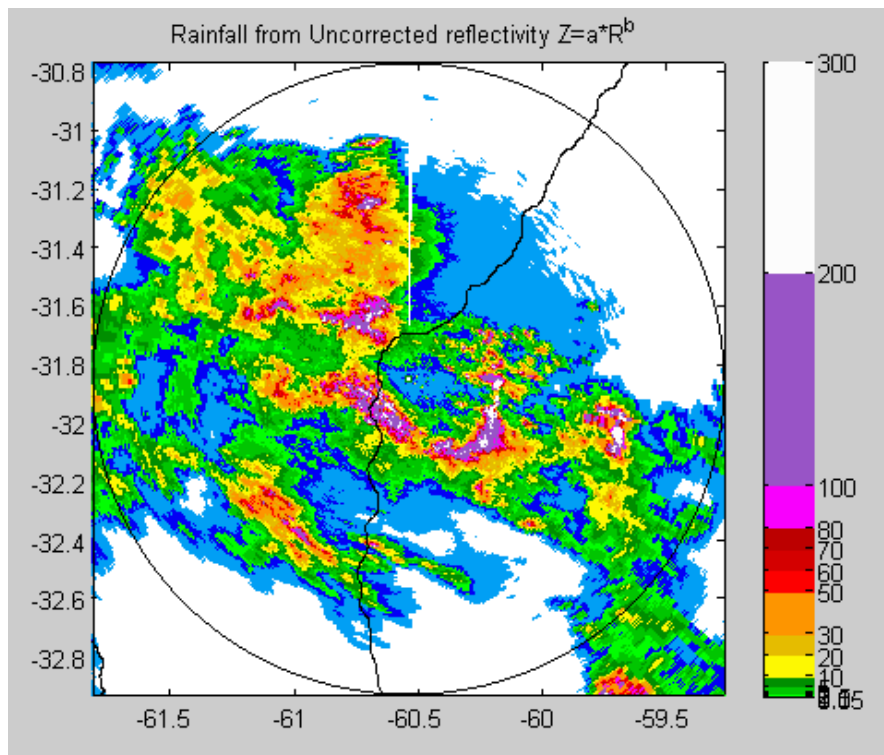
Reflectivity - Corrected Reflectivity dBZ

Exercise 4: Attenuation correction using the relationship Ah-Z

BIAS ----> 1.7981 dBZ

RMSE ----> 3.9553 dBZ

MAX DIFFERENCE ----> 25.9121 dBZ

MIN DIFFERENCE ----> -6.3564 dBZ

Reflectivity Corrected by Ah-Z - Corrected Reflectivity dBZ

Exercise 5: Precipitation. One example

Rainfall from Uncorrected reflectivity $Z=a*R^b$

Rainfall from Corrected reflectivity $ZCOR=a*RCOR^b$

BIAS ----> -8.7489 mm/h

RMSE ----> 31.0476 mm/h

MAX DIFFERENCE ----> -0.0036782 mm/h

MIN DIFFERENCE ----> -946.7528 mm/h

Rainfall Difference between $Z=a*R^b$ - $ZCOR=a*RCOR^b$

Rainfall from Uncorrected reflectivity $Z=a*R^b$

Rainfall from Corrected reflectivity $ZCOR=a*RCOR^b$