

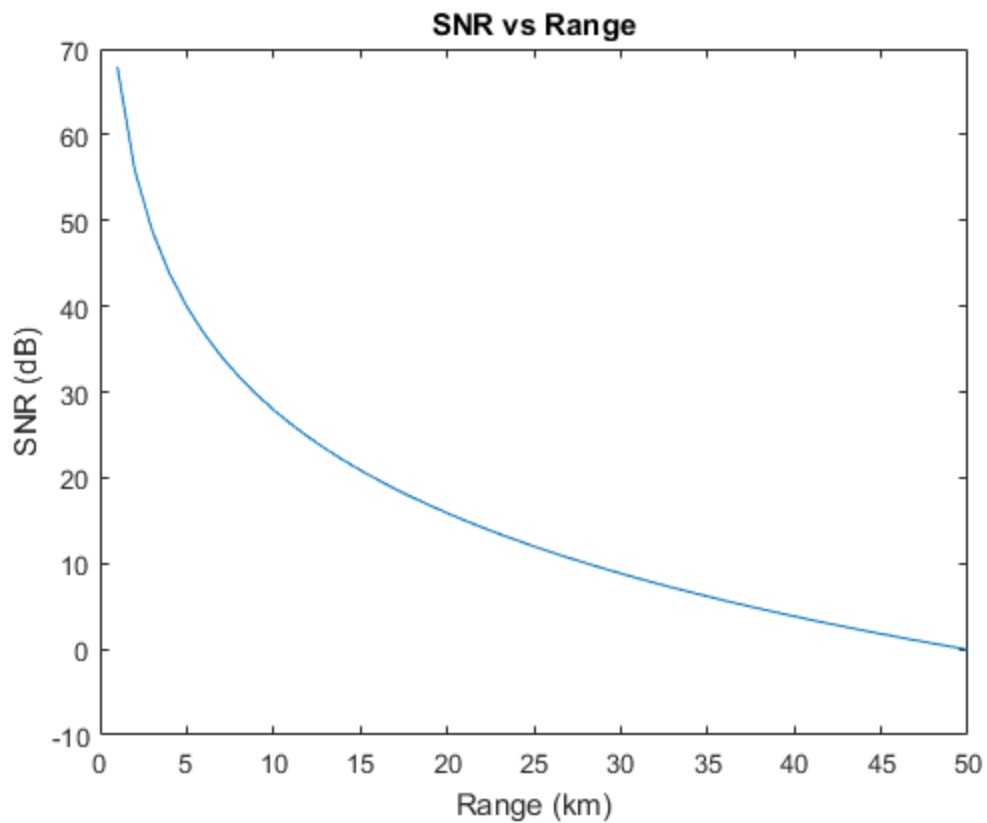
Everett Jones
Radar Final
12/20/17

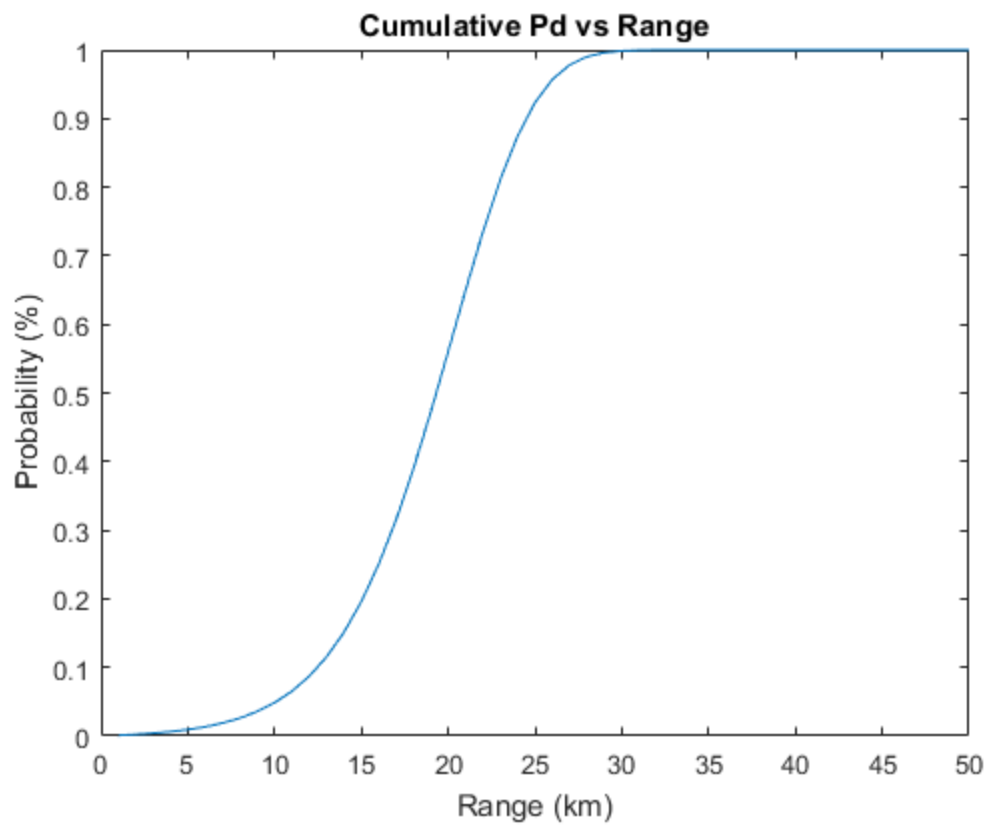
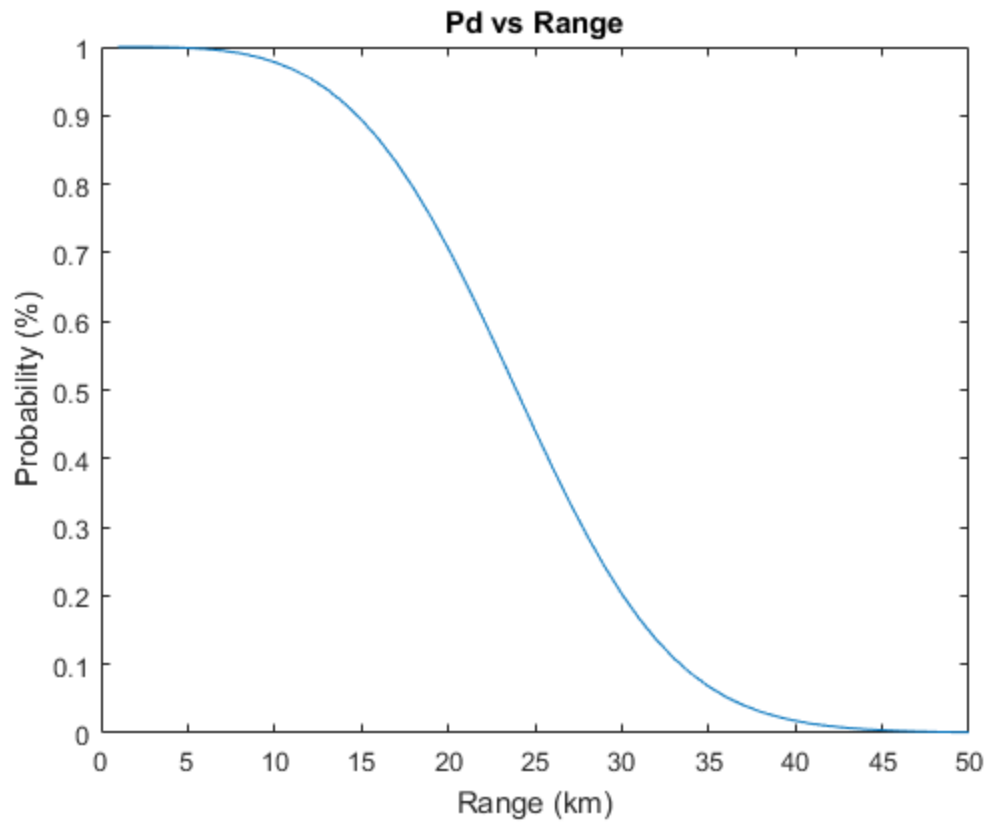
1.

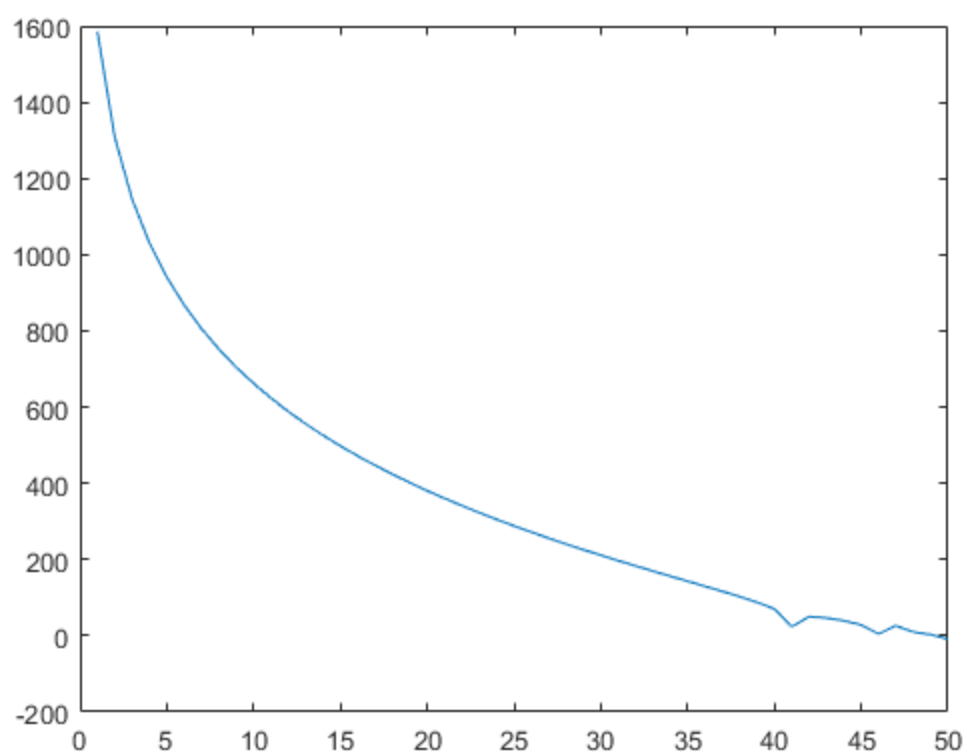
SNR = 7.35 db

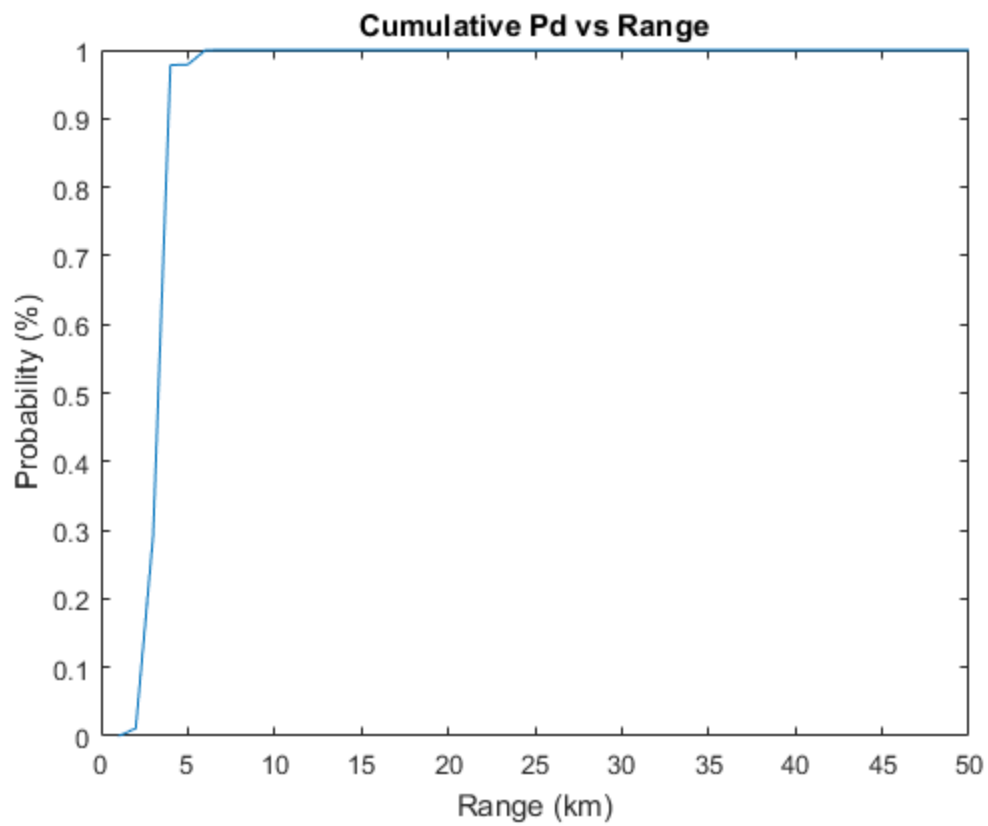
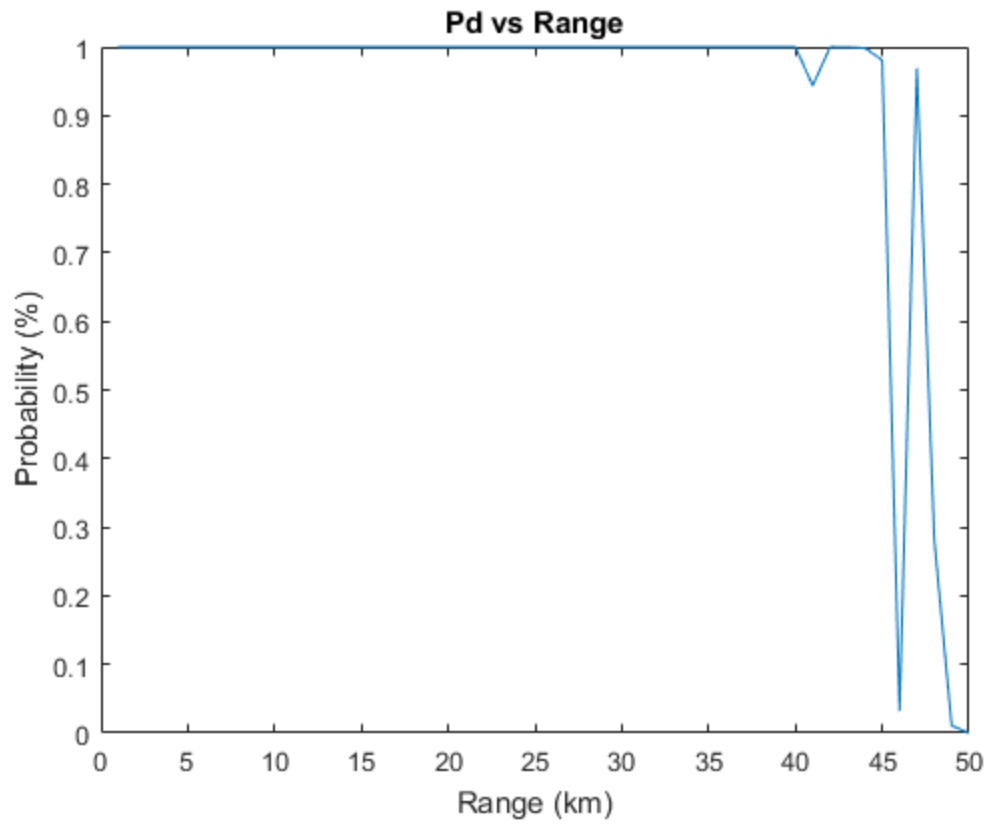
- i. Power Density = 2860 W/m^2
- ii. The direction that the radar faces affects gain, so being pointed directly at radar 2 would cause a difference when compared to radar 1 being pointed away from radar 2.

2. A





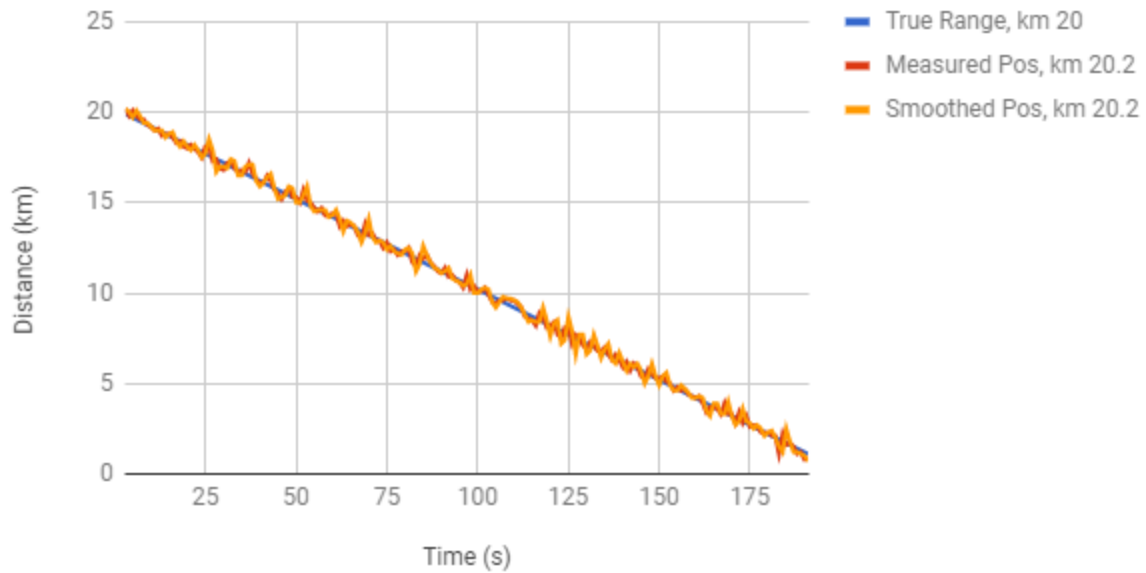




3.

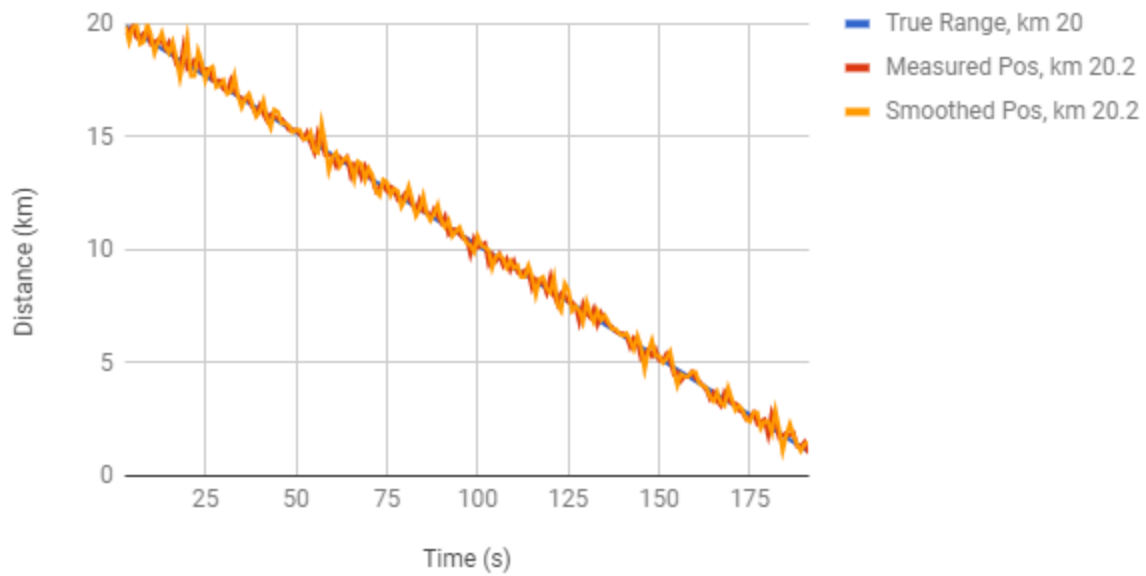
Problem 3a

Standard Deviation = 250m



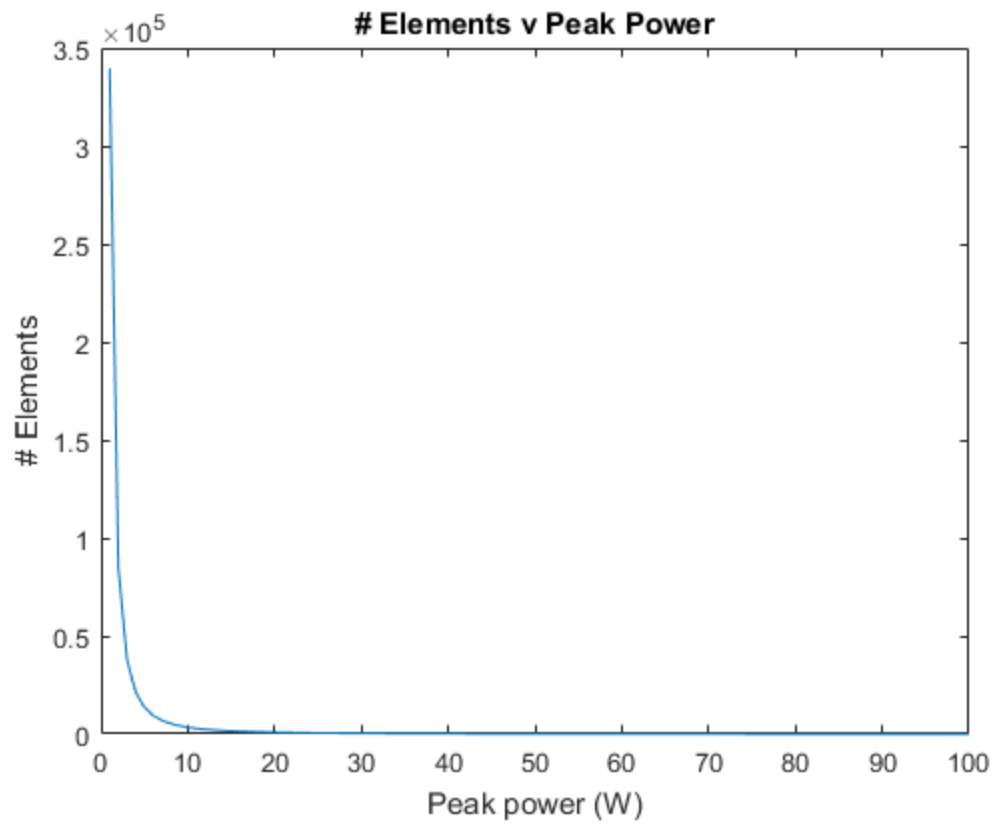
Problem 3b

Standard Deviation = 237.17m



4.

a. A



b. 2,880 beams

c. 228 False Positives

5. A

