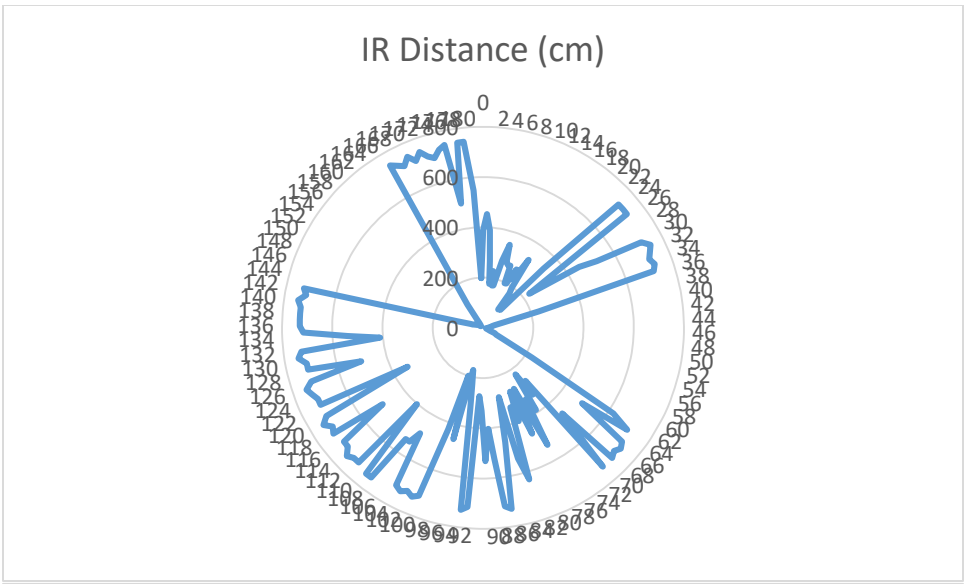
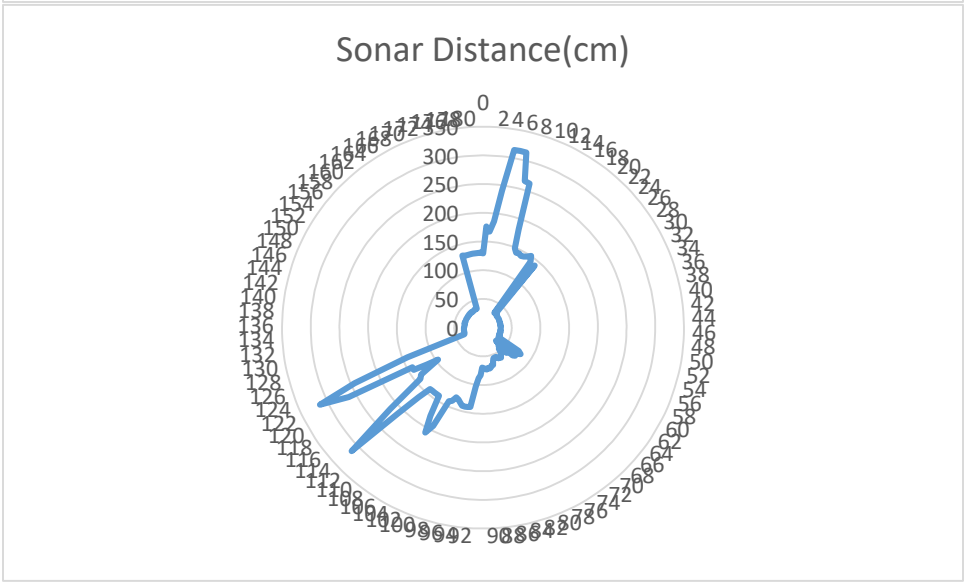
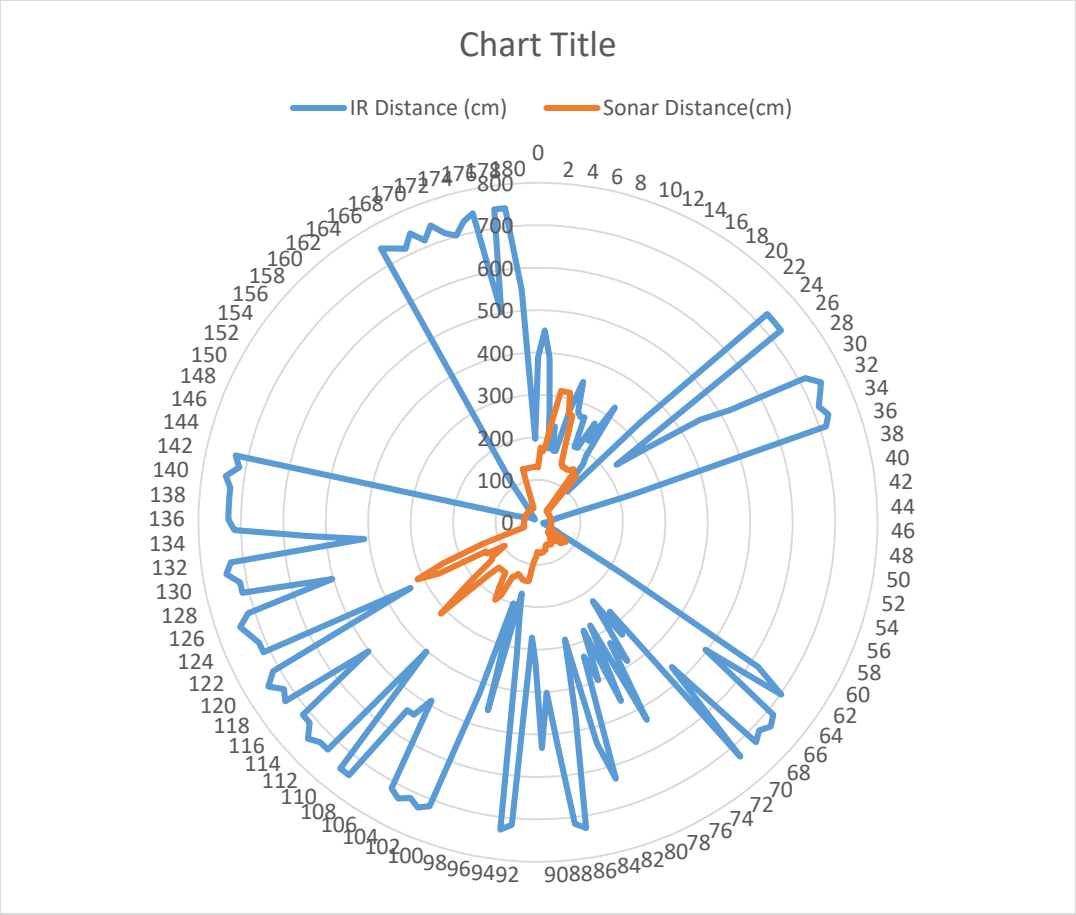
DATA SET 1

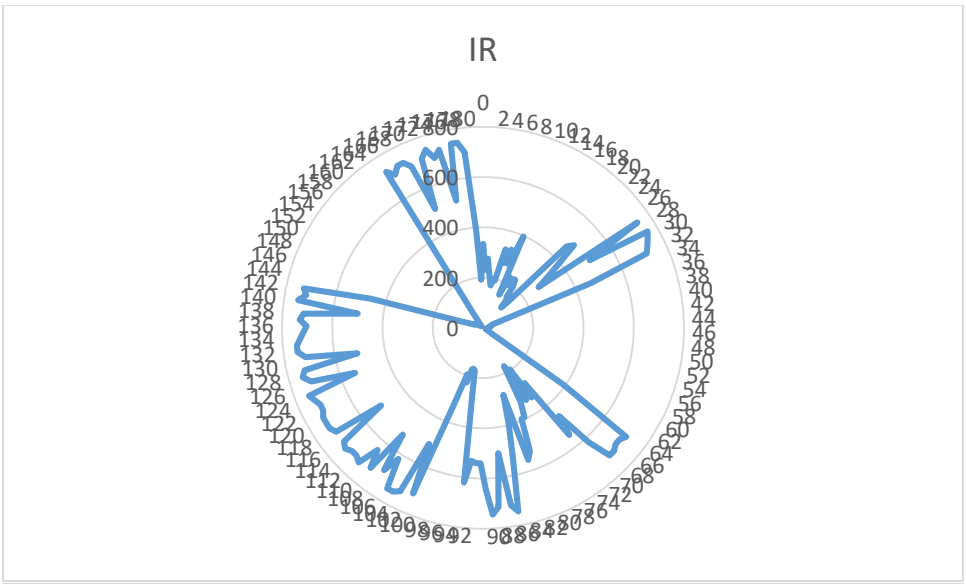

IR Distance (cm)
0
600
400
200
0

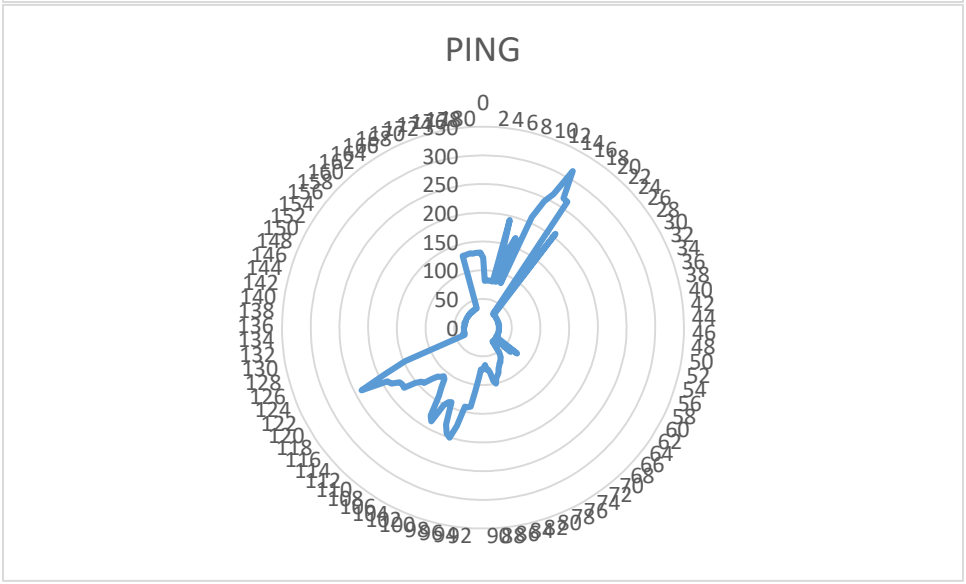

Sonar Distance(cm)
0
300
250
200
150
100
50
0

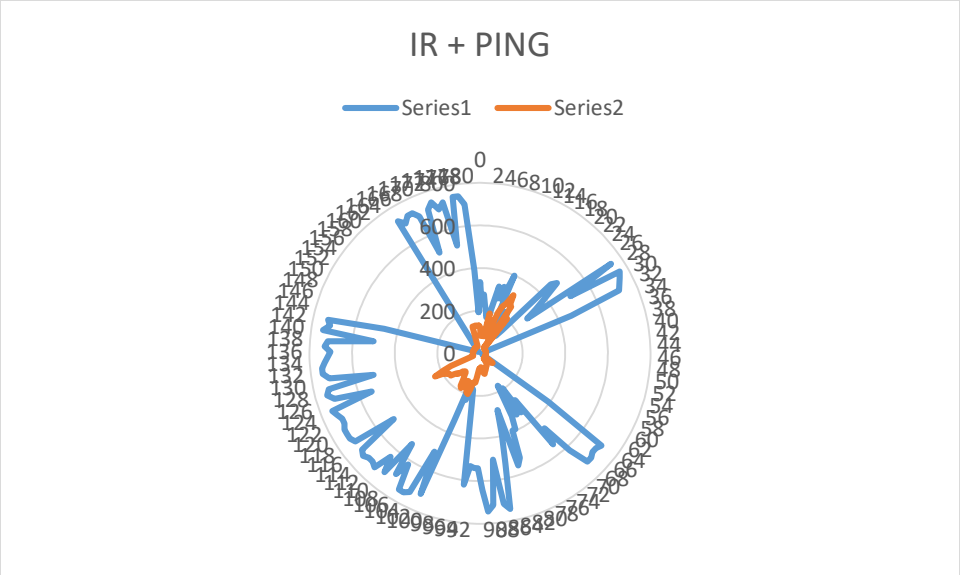


There are two things around the sensor something located at 157 degrees and 10 cm away and something at 50 degrees (12.5 cm away) There is also one more 100 cm away at 21 degrees

DATA Set 2

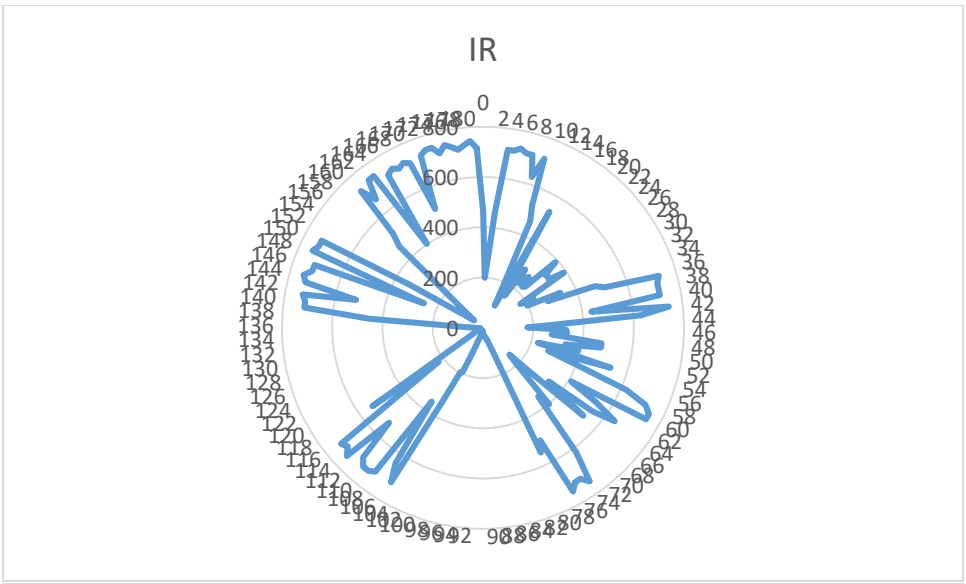

IR

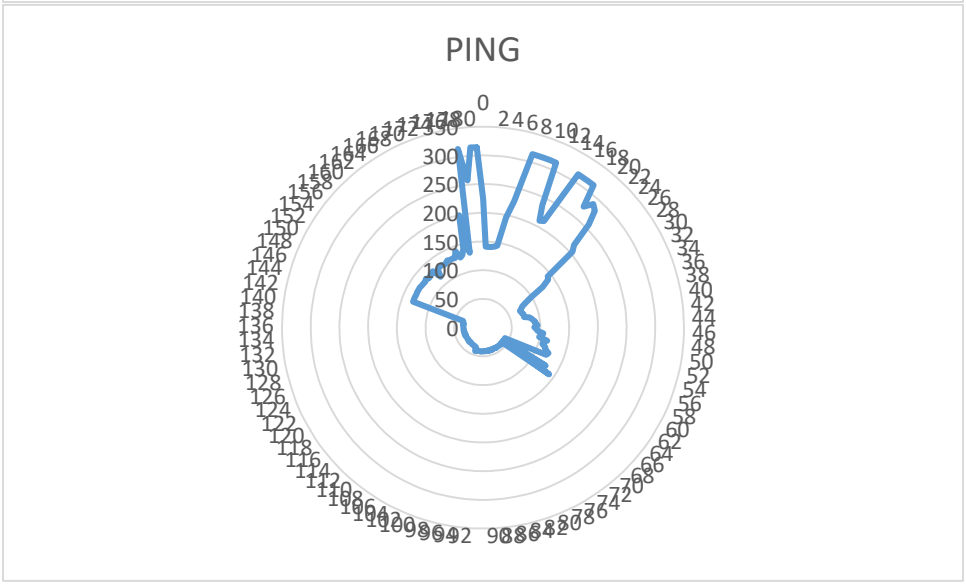

PING

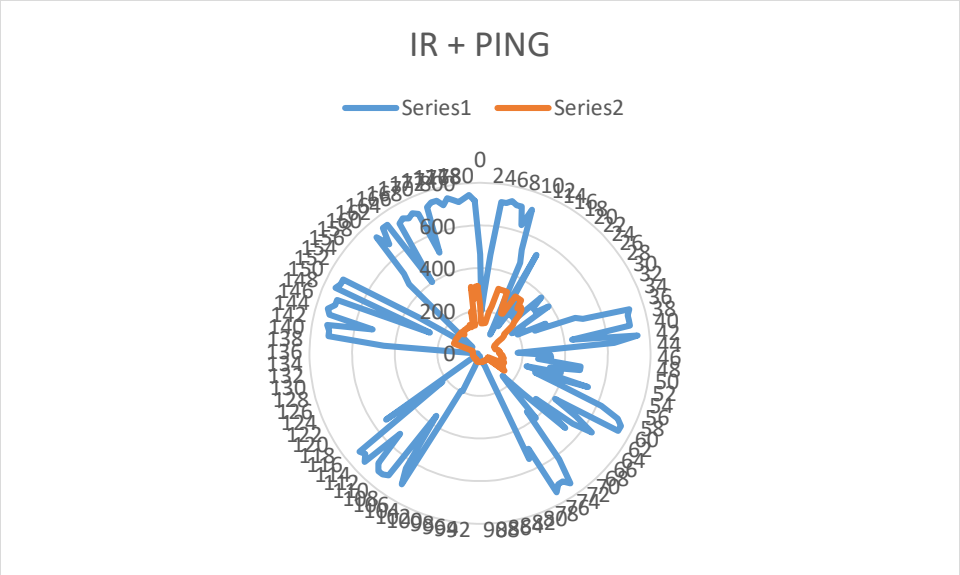


Similar to the last graph there is something at 53 degrees and 11 cm away, something at 157 degrees and 9.5cm away. Lastly something at 21 degrees ~108 cm away.

Data Set 3


IR
0
600
400
200
0


PING
0
300
250
200
150
100
50
0



For 3 there is something at 94 degrees (12 cm), 130 degrees (9cm), and 17-14 degrees (~125 cm)

2. SUMMARY

a. We choose excel because it was easy to import txt and make a graph out of it.

b. Finding the distance to the object is a bit weird because it is hard to see in the graph, but using the actual data makes it easier.

c. How to quickly print it out so that We can see the data in a way that makes sense to us. This would be a big help in using the robot in remote control without being able to see it.