Measured Distance	x error	y error	z error
144.3	-0.3	8.1	10.5
161.5	-0.1	8.25	5
204	-1.53	2.1	3.8
214.77	2.3	6	3.23
220.6	0.3	0	5.1
267.8	0.3	1	-1.4
276.86	-3.5	1.2	-6.26
276.9	-5.8	0.9	-6.7
292.2	2.1	-0.6	-8.8
308.3	-3	-2.2	-5.6
317.3	0.8	-0.1	-14.3
320.45	-5.79	-1.7	-10.45
322.5	-5.2	-2.2	-10.7
330.2	-1.4	-1.2	-17
344.2	2.7	3.2	-18.5
355.4	-2.5	-4.7	-18.2
359.4	7.7	-5.5	-28.7
367.5	0.44	-3.9	-21.3
409	4	-4.6	-33
409.01	-3.2	-5.9	-35.51
419.6	-2.6	-2.6	-39.4
474.6	-3.46	-13	-53.4
488.8	7.4	-7.4	-48.7
496.3	0.6	-10.8	-64.6
496.3	5.1	-9	-61.5
503.97	-4.4	-10.5	-58.97

Measured Distance vs. Position Error

- x error
- 9.01E-03*x + -3.3
- y error
- -0.0487*x + 15
- z error
- -0.21*x + 53.6

Error [cm]

Measured Distance [cm]