

the X,Y,T columns represent the initial particles(above the orange bar) and the resampled particles after localization(below the orange bar)...the X and Y represent the particles position in 2-D space, and the T represents their orientation.

the XYT in columns I and J represent the Robots ground truth

then Overall delta represents the average of those 3 columns

	Delta Y	Delta T	Overall Delta	
7	45	142	204	
3	23	166	192	X
8	2	161	171	Y
8	9	136	153	T
3	28	175	206	
3	28	160	201	
6	16	170	202	
9	9	128	146	
0	1	160	161	
8	32	158	208	
9	12	143	184	
5	5	149	189	
4	39	130	203	
8	52	146	206	
8	36	166	230	Overall delta
-	22.4666667	152.666667	190.4	121.844444

Finally we have Performance Percentage, this was the number that determined success in each experiment it is the percent difference between the resample particles and the initial particle set.

	Performance Percentage	0.09615735