

one_stationary_imu_yaw Turtlebot 1 Report

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This is a summary of the data from the one_stationary_imu_yaw experiment, Turtlebot #1.

The runtime of this experiment was 0 hours, 3 minutes, and 59.4 seconds.

The total number of external pose measurements recieved by the robot during this time was 0 which means poses were received at an average of 0 poses per second.

Shown below is the summary of each filter's error for both x and y coordinates, and also the error in total distance.

```
summary(t1_continuous$x_error)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-1.608e-07	4.917e-04	9.846e-04	9.845e-04	1.477e-03	1.970e-03

```
summary(t1_continuous$y_error)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-7.690e-11	7.718e-08	2.502e-07	3.134e-07	5.054e-07	8.918e-07

```
summary(t1_continuous$dist_error)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1.608e-07	4.917e-04	9.846e-04	9.845e-04	1.477e-03	1.970e-03

```
summary(t1_discrete$x_error)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-1.608e-07	4.917e-04	9.846e-04	9.845e-04	1.477e-03	1.970e-03

```
summary(t1_discrete$y_error)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-7.690e-11	7.718e-08	2.502e-07	3.134e-07	5.054e-07	8.918e-07

```
summary(t1_discrete$dist_error)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	1.608e-07	4.917e-04	9.846e-04	9.845e-04	1.477e-03	1.970e-03