

one_stationary_imu_both Turtlebot 1 Report

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

The runtime of this experiment was 0 hours, 3 minutes, and 59.5 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.
##	-5.631e-07	4.910e-04	9.840e-04	9.841e-04	1.477e-03	1.970e-03

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

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-1.252e-10	7.911e-08	2.284e-07	3.190e-07	5.298e-07	9.322e-07

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

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	2.526e-07	4.910e-04	9.840e-04	9.841e-04	1.477e-03	1.970e-03

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

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-5.631e-07	4.910e-04	9.840e-04	9.841e-04	1.477e-03	1.970e-03

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

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-1.252e-10	7.911e-08	2.284e-07	3.190e-07	5.298e-07	9.322e-07

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

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	2.526e-07	4.910e-04	9.840e-04	9.841e-04	1.477e-03	1.970e-03