

one_stationary Turtlebot 1 Report

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

The runtime of this experiment was 1 hours, 59 minutes, and 3659.4 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.
##	-2.400e-07	1.483e-02	2.965e-02	2.965e-02	4.448e-02	5.930e-02

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

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-1.000e-10	3.823e-05	1.509e-04	2.047e-04	3.449e-04	6.213e-04

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

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	2.400e-07	1.483e-02	2.965e-02	2.965e-02	4.448e-02	5.931e-02

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

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-2.400e-07	1.483e-02	2.965e-02	2.965e-02	4.448e-02	5.930e-02

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

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	-1.000e-10	3.823e-05	1.509e-04	2.047e-04	3.449e-04	6.213e-04

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

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	2.400e-07	1.483e-02	2.965e-02	2.965e-02	4.448e-02	5.931e-02