one_stationary_imu_yaw_vel Turtlebot 1 Report

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June 24, 2016

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

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

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.
## -2.297e-07  4.916e-04  9.845e-04  9.845e-04  1.477e-03  1.970e-03
```

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

```
##       Min.    1st Qu.     Median       Mean    3rd Qu.        Max.
## -9.450e-11  9.041e-08  3.234e-07  3.658e-07  5.976e-07  9.522e-07
```

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

```
##      Min.   1st Qu.    Median      Mean   3rd Qu.      Max.
## 2.297e-07 4.916e-04 9.845e-04 9.845e-04 1.477e-03 1.970e-03
```

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

```
##       Min.    1st Qu.     Median       Mean    3rd Qu.        Max.
## -2.297e-07  4.916e-04  9.845e-04  9.845e-04  1.477e-03  1.970e-03
```

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

```
##       Min.    1st Qu.     Median       Mean    3rd Qu.        Max.
## -9.450e-11  9.041e-08  3.234e-07  3.658e-07  5.975e-07  9.521e-07
```

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

```
##      Min.   1st Qu.    Median      Mean   3rd Qu.      Max.
## 2.297e-07 4.916e-04 9.845e-04 9.845e-04 1.477e-03 1.970e-03
```