Initial Pose: (10, 10, 9)
Initializing belief with a Point mass Distribution at: (10, 10, 9)
Initial Pose: (10, 10, 9)
Initializing belief with a Point mass Distribution at: (10, 10, 9)

----------------- 0 -----------------
 | Resetting Robot pose

---------- PREDICTION STATS -----------
GT index   : (11, 9, 7)
Prior Bel index   : (11, 11, 5) with prob = 0.0014320
POS ERROR   : (0.089, -0.395, 47.655)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (11, 9, 7)
Bel index   : (12, 9, 8) with prob = 0.9999999
Bel_bar prob at index = 0.0010879111540534126

GT   : (0.389, -0.095, -22.345)
Belief   : (0.500, -0.100, -10.000)
POS ERROR : (-0.111, 0.005, -12.345)
---------- UPDATE STATS -----------

----------------- 1 -----------------

---------- PREDICTION STATS -----------
GT index   : (13, 7, 8)
Prior Bel index   : (12, 7, 12) with prob = 0.0011267
POS ERROR   : (0.172, 0.055, -72.865)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (13, 7, 8)
Bel index   : (13, 8, 8) with prob = 1.0
Bel_bar prob at index = 0.0010887857796529705

GT   : (0.672, -0.445, -2.865)
Belief   : (0.700, -0.300, -10.000)

POS ERROR : (-0.028, -0.145, 7.135)
---------- UPDATE STATS -----------

----------------- 2 -----------------

---------- PREDICTION STATS -----------
GT index   : (14, 7, 9)
Prior Bel index   : (14, 8, 9) with prob = 0.0017590
POS ERROR   : (0.071, -0.160, -6.677)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (14, 7, 9)
Bel index   : (14, 6, 8) with prob = 0.7280361
Bel_bar prob at index = 0.001330310875054794

GT   : (0.971, -0.460, 3.323)
Belief   : (0.900, -0.700, -10.000)
POS ERROR : (0.071, 0.240, 13.323)
---------- UPDATE STATS -----------

----------------- 3 -----------------

---------- PREDICTION STATS -----------
GT index   : (16, 7, 11)
Prior Bel index   : (17, 9, 11) with prob = 0.0010486
POS ERROR   : (-0.169, -0.339, -8.862)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (16, 7, 11)
Bel index   : (16, 6, 10) with prob = 1.0
Bel_bar prob at index = 0.0009561972118657905

GT   : (1.331, -0.439, 44.138)
Belief   : (1.300, -0.700, 30.000)
POS ERROR : (0.031, 0.261, 14.138)
---------- UPDATE STATS -----------

----------------- 4 -----------------

---------- PREDICTION STATS -----------
GT index   : (17, 8, 14)
Prior Bel index   : (18, 7, 12) with prob = 0.0009668
POS ERROR   : (-0.165, 0.281, 34.299)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (17, 8, 14)
Bel index   : (17, 9, 14) with prob = 1.0
Bel_bar prob at index = 0.00089545840362746266

GT   : (1.535, -0.219, 107.299)
Belief   : (1.500, -0.100, 110.000)
POS ERROR : (0.035, -0.119, -2.701)
---------- UPDATE STATS -----------

----------------- 5 -----------------

---------- PREDICTION STATS -----------
GT index   : (16, 11, 14)
Prior Bel index   : (15, 11, 13) with prob = 0.0009689
POS ERROR   : (0.287, -0.042, 17.299)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (16, 11, 14)
Bel index   : (16, 11, 14) with prob = 0.9999999
Bel_bar prob at index = 0.000902693442950474

GT   : (1.387, 0.258, 107.299)
Belief   : (1.300, 0.300, 110.000)
POS ERROR : (0.087, -0.042, -2.701)
---------- UPDATE STATS -----------

----------------- 6 -----------------

---------- PREDICTION STATS -----------
GT index   : (16, 13, 14)
Prior Bel index   : (14, 13, 0) with prob = 0.0009672
POS ERROR   : (0.423, -0.027, 285.893)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (16, 13, 14)
Bel index   : (16, 13, 14) with prob = 0.9989833
Bel_bar prob at index = 0.000884026805723271

GT   : (1.323, 0.673, 115.893)
Belief   : (1.300, 0.700, 110.000)
POS ERROR : (0.023, -0.027, 5.893)
---------- UPDATE STATS -----------

----------------- 7 -----------------

---------- PREDICTION STATS -----------
GT index   : (16, 15, 14)
Prior Bel index   : (17, 12, 17) with prob = 0.0016385
POS ERROR   : (-0.250, 0.648, -54.107)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (16, 15, 14)
Bel index   : (16, 15, 14) with prob = 0.9999999
Bel_bar prob at index = 0.001311245680794601

GT   : (1.250, 1.148, 115.893)
Belief   : (1.300, 1.100, 110.000)
POS ERROR : (-0.050, 0.048, 5.893)
---------- UPDATE STATS -----------

----------------- 8 -----------------

---------- PREDICTION STATS -----------
GT index   : (16, 15, 17)
Prior Bel index   : (17, 15, 16) with prob = 0.0025307
POS ERROR   : (-0.250, 0.048, 23.189)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (16, 15, 17)
Bel index   : (16, 15, 17) with prob = 0.9999999
Bel_bar prob at index = 0.0024931306719743846

GT   : (1.250, 1.148, 176.189)
Belief : (1.300, 1.100, 170.000)
POS ERROR : (-0.050, 0.048, 6.189)
---------- UPDATE STATS -----------

---------------- 9 ----------------

---------- PREDICTION STATS -----------
GT index   : (14, 15, 17)
Prior Bel index   : (17, 15, 17) with prob = 0.0018041
POS ERROR   : (-0.549, 0.067, 7.335)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (14, 15, 17)
Bel index   : (15, 15, 17) with prob = 0.9999999
Bel_bar prob at index = 0.0015818333234897087

GT   : (0.951, 1.167, 177.335)
Belief : (1.100, 1.100, 170.000)
POS ERROR : (-0.149, 0.067, 7.335)
---------- UPDATE STATS -----------

---------------- 10 ----------------

---------- PREDICTION STATS -----------

GT index   : (13, 15, 17)
Prior Bel index   : (13, 15, 17) with prob = 0.0012302
POS ERROR   : (-0.078, 0.083, 3.897)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (13, 15, 17)
Bel index   : (13, 16, 17) with prob = 0.9999999
Bel_bar prob at index = 0.00118787629963357

GT   : (0.622, 1.183, 173.897)
Belief : (0.700, 1.300, 170.000)
POS ERROR : (-0.078, -0.117, 3.897)
---------- UPDATE STATS -----------

----------------- 11 -----------------

---------- PREDICTION STATS -----------
GT index   : (12, 16, 17)
Prior Bel index   : (14, 16, 17) with prob = 0.0022445
POS ERROR   : (-0.474, -0.076, -1.832)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (12, 16, 17)
Bel index   : (11, 16, 17) with prob = 0.9999999
Bel_bar prob at index = 0.0016051634000686175

GT   : (0.426, 1.224, 168.168)
Belief : (0.300, 1.300, 170.000)
POS ERROR : (0.126, -0.076, -1.832)
---------- UPDATE STATS -----------

----------------- 12 -----------------

---------- PREDICTION STATS -----------
GT index   : (9, 16, 17)
Prior Bel index   : (8, 16, 16) with prob = 0.0008297

POS ERROR   : (0.285, 0.016, 18.168)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (9, 16, 17)
Bel index   : (9, 16, 17) with prob = 0.9999999
Bel_bar prob at index = 0.00068136921740694827

GT   : (-0.015, 1.316, 168.168)
Belief : (-0.100, 1.300, 170.000)
POS ERROR : (0.085, 0.016, -1.832)
---------- UPDATE STATS -----------

----------------- 13 -----------------

---------- PREDICTION STATS -----------
GT index   : (9, 16, 17)
Prior Bel index   : (8, 16, 17) with prob = 0.0021924
POS ERROR   : (0.236, 0.026, 3.897)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (9, 16, 17)
Bel index   : (9, 16, 17) with prob = 1.0
Bel_bar prob at index = 0.002098885053862845

GT   : (-0.064, 1.326, 173.897)
Belief : (-0.100, 1.300, 170.000)
POS ERROR : (0.036, 0.026, 3.897)
---------- UPDATE STATS -----------

----------------- 14 -----------------

---------- PREDICTION STATS -----------
GT index   : (7, 16, 17)
Prior Bel index   : (6, 16, 17) with prob = 0.0008342
POS ERROR   : (0.159, 0.077, 3.897)
---------- PREDICTION STATS -----------

| Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (7, 16, 17)
Bel index   : (7, 17, 17) with prob = 0.9876891
Bel_bar prob at index = 0.0007431744141424456

GT   : (-0.541, 1.377, 173.897)
Belief   : (-0.500, 1.500, 170.000)
POS ERROR : (-0.041, -0.123, 3.897)
---------- UPDATE STATS -----------

----------------- 15 -----------------

---------- PREDICTION STATS -----------
GT index   : (7, 16, 3)
Prior Bel index   : (8, 17, 17) with prob = 0.0025673
POS ERROR   : (-0.241, -0.123, -287.348)
---------- PREDICTION STATS -----------
| Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (7, 16, 3)
Bel index   : (5, 16, 3) with prob = 0.9968922
Bel_bar prob at index = 0.0013285844529882704

GT   : (-0.541, 1.377, -114.348)
Belief   : (-0.900, 1.300, -110.000)
POS ERROR : (0.359, 0.077, -4.348)
---------- UPDATE STATS -----------

----------------- 16 -----------------

---------- PREDICTION STATS -----------
GT index   : (7, 15, 3)
Prior Bel index   : (6, 15, 2) with prob = 0.0018951
POS ERROR   : (0.114, 0.082, 27.111)
---------- PREDICTION STATS -----------
| Executing Observation Loop at: 30 deg/s

```
---------- UPDATE STATS -----------
GT index     : (7, 15, 3)
Bel index    : (7, 15, 3) with prob =  0.9999998
Bel_bar prob at index =  0.001646587450980982

GT    : (-0.586, 1.182, -102.889)
Belief   : (-0.500, 1.100, -110.000)
POS ERROR : (-0.086, 0.082, 7.111)
---------- UPDATE STATS -----------
------------------------------------


----------------- 17 -----------------

---------- PREDICTION STATS -----------
GT index         : (6, 14, 3)
Prior Bel index    : (7, 14, 3) with prob =  0.0018442
POS ERROR      : (-0.120, 0.085, 9.976)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index     : (6, 14, 3)
Bel index    : (5, 13, 4) with prob =  0.9999938
Bel_bar prob at index =  0.0009263667561178687

GT    : (-0.620, 0.985, -100.024)
Belief   : (-0.900, 0.700, -90.000)
POS ERROR : (0.280, 0.285, -10.024)
---------- UPDATE STATS -----------
------------------------------------


----------------- 18 -----------------

---------- PREDICTION STATS -----------
GT index         : (6, 13, 3)
Prior Bel index    : (6, 12, 2) with prob =  0.0013153
POS ERROR      : (0.027, 0.190, 28.830)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index     : (6, 13, 3)
```

Bel index   : (5, 11, 4) with prob = 1.0
Bel_bar prob at index = 0.001261692756918517

GT   : (-0.673, 0.690, -101.170)
Belief : (-0.900, 0.300, -90.000)
POS ERROR : (0.227, 0.390, -11.170)
---------- UPDATE STATS -----------

----------------- 19 -----------------

---------- PREDICTION STATS -----------
GT index   : (6, 11, 3)
Prior Bel index   : (5, 12, 0) with prob = 0.0018618
POS ERROR   : (0.169, -0.104, 67.684)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (6, 11, 3)
Bel index   : (6, 12, 3) with prob = 0.9999999
Bel_bar prob at index = 0.0018277519335442736

GT   : (-0.731, 0.396, -102.316)
Belief : (-0.700, 0.500, -110.000)
POS ERROR : (-0.031, -0.104, 7.684)
---------- UPDATE STATS -----------

----------------- 20 -----------------

---------- PREDICTION STATS -----------
GT index   : (6, 11, 4)
Prior Bel index   : (6, 12, 6) with prob = 0.0024478
POS ERROR   : (-0.046, -0.203, -43.148)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (6, 11, 4)
Bel index   : (5, 11, 4) with prob = 0.9343558
Bel_bar prob at index = 0.002076128895455352

GT   : (-0.746, 0.297, -93.148)
Belief : (-0.900, 0.300, -90.000)
POS ERROR : (0.154, -0.003, -3.148)
---------- UPDATE STATS -----------

---------------- 21 ----------------

---------- PREDICTION STATS -----------
GT index   : (6, 9, 4)
Prior Bel index   : (5, 10, 4) with prob = 0.0015798
POS ERROR   : (0.137, -0.103, -3.148)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (6, 9, 4)
Bel index   : (5, 9, 4) with prob = 0.9999999
Bel_bar prob at index = 0.0013903270476892497

GT   : (-0.763, -0.003, -93.148)
Belief : (-0.900, -0.100, -90.000)
POS ERROR : (0.137, 0.097, -3.148)
---------- UPDATE STATS -----------

---------------- 22 ----------------

---------- PREDICTION STATS -----------
GT index   : (6, 8, 6)
Prior Bel index   : (6, 8, 4) with prob = 0.0013776
POS ERROR   : (0.034, -0.091, 31.229)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (6, 8, 6)
Bel index   : (6, 8, 5) with prob = 0.9091926
Bel_bar prob at index = 0.0013771597597216183

GT   : (-0.666, -0.391, -58.771)

Belief   : (-0.700, -0.300, -70.000)
POS ERROR : (0.034, -0.091, 11.229)
---------- UPDATE STATS -----------

----------------- 23 -----------------

---------- PREDICTION STATS -----------
GT index   : (7, 7, 8)
Prior Bel index   : (6, 9, 0) with prob = 0.0026864
POS ERROR   : (0.229, -0.335, 168.525)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (7, 7, 8)
Bel index   : (8, 7, 8) with prob = 0.9987911
Bel_bar prob at index = 0.0010836846776436655

GT   : (-0.471, -0.435, -1.475)
Belief   : (-0.300, -0.500, -10.000)
POS ERROR : (-0.171, 0.065, 8.525)
---------- UPDATE STATS -----------

----------------- 24 -----------------

---------- PREDICTION STATS -----------
GT index   : (8, 8, 10)
Prior Bel index   : (9, 9, 0) with prob = 0.0014254
POS ERROR   : (-0.148, -0.221, 191.443)
---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (8, 8, 10)
Bel index   : (9, 9, 9) with prob = 0.9996434
Bel_bar prob at index = 0.0013220470672333485

GT   : (-0.248, -0.321, 21.443)
Belief   : (-0.100, -0.100, 10.000)
POS ERROR : (-0.148, -0.221, 11.443)

---------- UPDATE STATS -----------

----------------- 25 -----------------

---------- PREDICTION STATS -----------
GT index   : (9, 9, 10)
Prior Bel index   : (10, 10, 10) with prob = 0.0014291
POS ERROR   : (-0.188, -0.229, 2.902)

---------- PREDICTION STATS -----------
 | Executing Observation Loop at: 30 deg/s

---------- UPDATE STATS -----------
GT index   : (9, 9, 10)
Bel index   : (9, 9, 10) with prob = 1.0
Bel_bar prob at index = 0.0009831550415780965

GT   : (-0.088, -0.129, 35.902)
Belief   : (-0.100, -0.100, 30.000)
POS ERROR : (0.012, -0.029, 5.902)
---------- UPDATE STATS -----------

Elapsed time:432.93161511421204