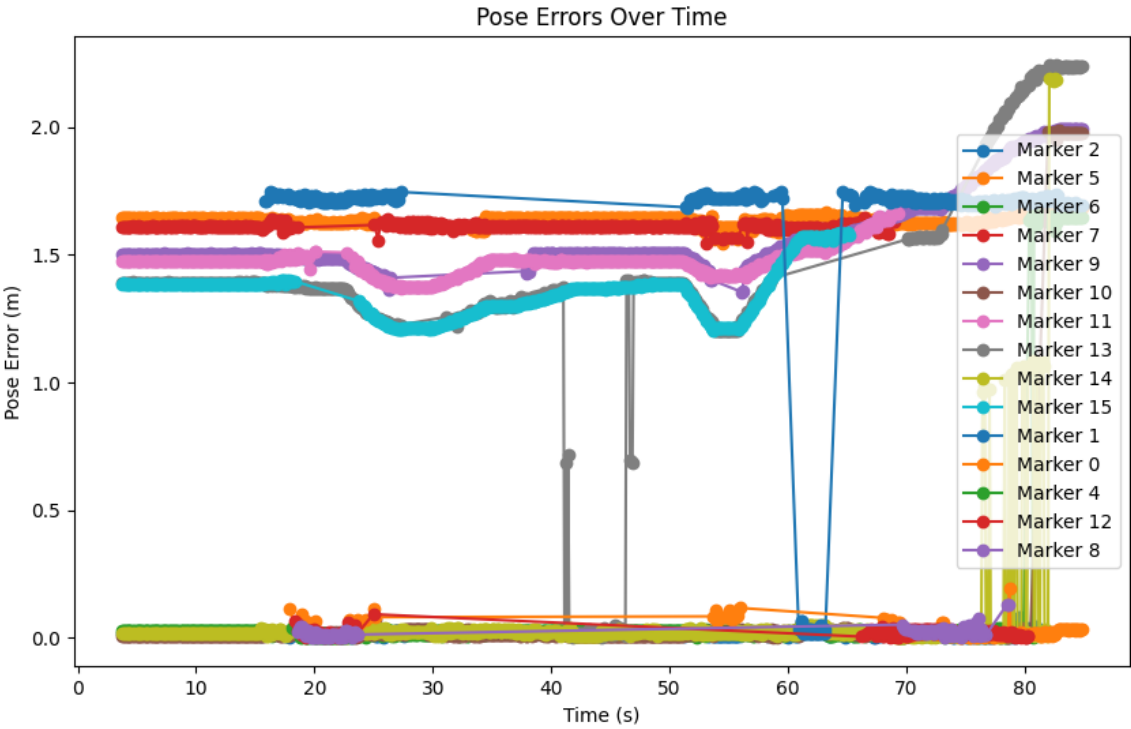Informations:

Test: standard joint test
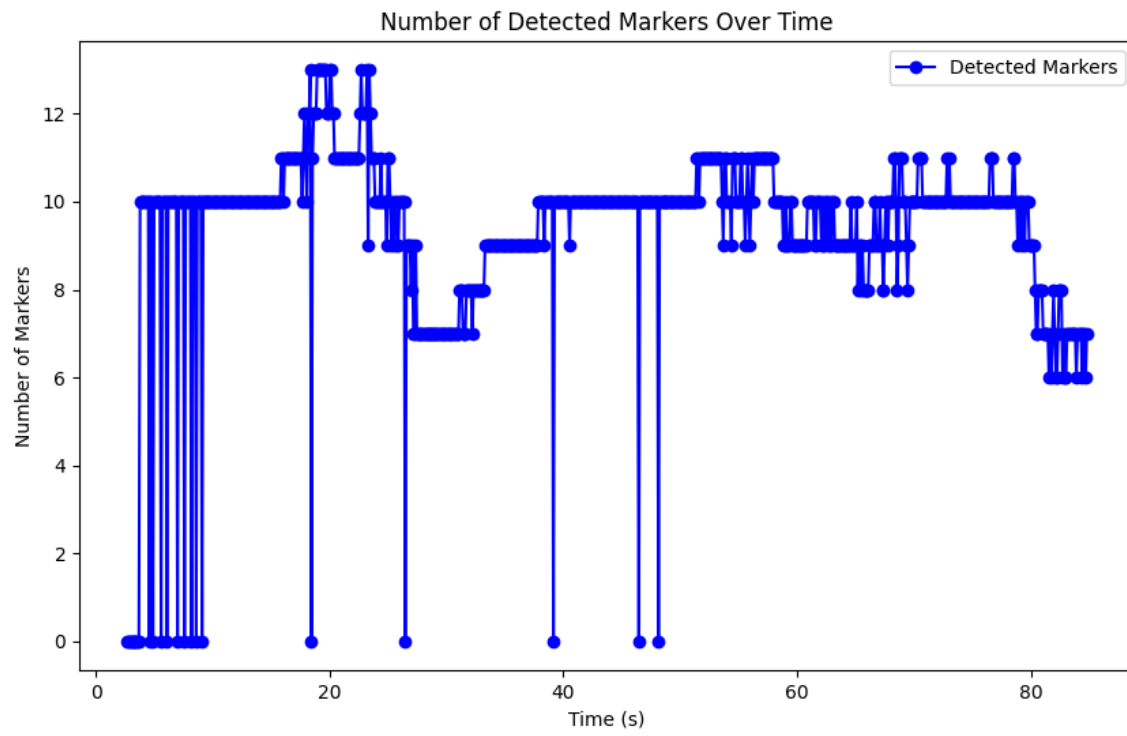
Positions reached:

- [0, 0, 0, 0, 0]

- [0.5, 0, 0, 0, 0]

- [0, 0.5, 0, 0, 0]

- [0, 0, 0.5, 0, 0]

- [0, 0, 0, 0.5, 0]

Pose Errors Over Time

Number of Detected Markers Over Time

Number of Detected Markers Over Time

Error Statistics

Marker 2:

   Mean: {'dx': -0.014, 'dy': -0.0004, 'dz': -0.0034, 'rx': -0.0221, 'ry': -0.0173, 'rz': 0.0026}

   Std: {'dx': 0.0098, 'dy': 0.0006, 'dz': 0.0025, 'rx': 0.1215, 'ry': 0.1126, 'rz': 0.0083}

Marker 5:

   Mean: {'dx': -1.4371, 'dy': 0.4168, 'dz': 0.6685, 'rx': -0.0293, 'ry': 0.7671, 'rz': -0.5613}

   Std: {'dx': 0.0192, 'dy': 0.035, 'dz': 0.0059, 'rx': 0.7284, 'ry': 0.1706, 'rz': 0.3091}

Marker 6:

   Mean: {'dx': -0.0938, 'dy': 0.0182, 'dz': 0.0334, 'rx': -0.1214, 'ry': -0.0784, 'rz': 0.0045}

   Std: {'dx': 0.3212, 'dy': 0.0802, 'dz': 0.1497, 'rx': 0.4614, 'ry': 0.28, 'rz': 0.0755}

Marker 7:

   Mean: {'dx': -1.3604, 'dy': 0.5548, 'dz': 0.6607, 'rx': -0.4074, 'ry': -2.0996, 'rz': 0.9087}

   Std: {'dx': 0.0145, 'dy': 0.014, 'dz': 0.0045, 'rx': 0.4602, 'ry': 0.3756, 'rz': 0.0441}

Marker 9:

   Mean: {'dx': -1.3775, 'dy': 0.4465, 'dz': 0.6468, 'rx': 0.0897, 'ry': 0.7632, 'rz': -0.5555}

   Std: {'dx': 0.1414, 'dy': 0.0688, 'dz': 0.0623, 'rx': 0.7325, 'ry': 0.1599, 'rz': 0.3387}

Marker 10:

   Mean: {'dx': -0.0721, 'dy': 0.0076, 'dz': 0.0274, 'rx': -0.0929, 'ry': -0.1074, 'rz': 0.0082}

   Std: {'dx': 0.3188, 'dy': 0.0436, 'dz': 0.1399, 'rx': 0.4673, 'ry': 0.3157, 'rz': 0.0547}

Marker 11:

   Mean: {'dx': -1.2302, 'dy': 0.5407, 'dz': 0.6019, 'rx': -0.593, 'ry': -2.0323, 'rz': 0.8906}

   Std: {'dx': 0.0263, 'dy': 0.0707, 'dz': 0.0224, 'rx': 0.6405, 'ry': 0.3058, 'rz': 0.0726}

Marker 13:

   Mean: {'dx': -1.1727, 'dy': 0.3544, 'dz': 0.5478, 'rx': 0.2859, 'ry': 0.5164, 'rz': -0.5197}

   Std: {'dx': 0.4475, 'dy': 0.1495, 'dz': 0.2031, 'rx': 0.7906, 'ry': 1.0616, 'rz': 0.4496}

Marker 14:

   Mean: {'dx': -0.053, 'dy': 0.0068, 'dz': 0.0211, 'rx': 0.009, 'ry': -0.0472, 'rz': -0.0041}

Std: {'dx': 0.2046, 'dy': 0.0388, 'dz': 0.0929, 'rx': 0.2497, 'ry': 0.2344, 'rz': 0.0294}

Marker 15:

   Mean: {'dx': -1.1348, 'dy': 0.4689, 'dz': 0.5504, 'rx': -0.5824, 'ry': -2.0335, 'rz': 0.9579}

   Std: {'dx': 0.0366, 'dy': 0.142, 'dz': 0.039, 'rx': 0.6066, 'ry': 0.1933, 'rz': 0.0996}

Marker 1:

   Mean: {'dx': -1.4499, 'dy': 0.3947, 'dz': 0.6726, 'rx': 0.3927, 'ry': 0.6419, 'rz': -0.3345}

   Std: {'dx': 0.3091, 'dy': 0.0979, 'dz': 0.1383, 'rx': 0.5561, 'ry': 0.9056, 'rz': 0.3942}

Marker 0:

   Mean: {'dx': 0.0116, 'dy': 0.0001, 'dz': 0.0033, 'rx': -0.052, 'ry': -0.0004, 'rz': -0.0006}

   Std: {'dx': 0.0405, 'dy': 0.0024, 'dz': 0.0102, 'rx': 0.1374, 'ry': 0.0651, 'rz': 0.0169}

Marker 4:

   Mean: {'dx': 0.0038, 'dy': -0.0009, 'dz': 0.0012, 'rx': 0.0042, 'ry': -0.0142, 'rz': -0.007}

   Std: {'dx': 0.0121, 'dy': 0.0006, 'dz': 0.0013, 'rx': 0.0065, 'ry': 0.0148, 'rz': 0.0108}

Marker 12:

   Mean: {'dx': -0.0126, 'dy': -0.0026, 'dz': 0.0036, 'rx': 0.0819, 'ry': 0.3509, 'rz': 0.0048}

   Std: {'dx': 0.0177, 'dy': 0.0018, 'dz': 0.0042, 'rx': 0.1963, 'ry': 0.8232, 'rz': 0.0168}

Marker 8:

   Mean: {'dx': 0.0184, 'dy': 0.0007, 'dz': 0.0006, 'rx': -0.0299, 'ry': 0.153, 'rz': 0.0039}

   Std: {'dx': 0.0218, 'dy': 0.0026, 'dz': 0.0022, 'rx': 0.1448, 'ry': 0.5821, 'rz': 0.0122}

Overall Pose Errors (Mean and Std):

   dx: Mean=-0.7116, Std=0.6706

   dy: Mean=0.2425, Std=0.2407

   dz: Mean=0.3349, Std=0.3192

   rx: Mean=-0.0930, Std=0.5985
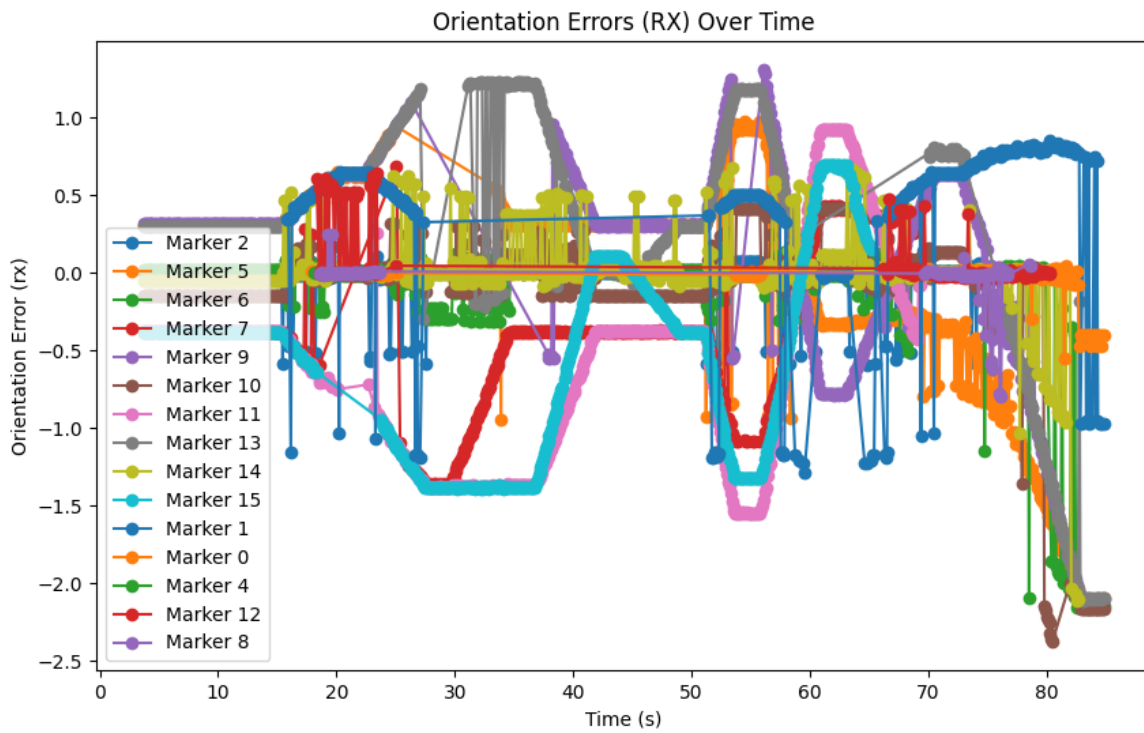
   ry: Mean=-0.2590, Std=1.1021

   rz: Mean=0.0469, Std=0.5573
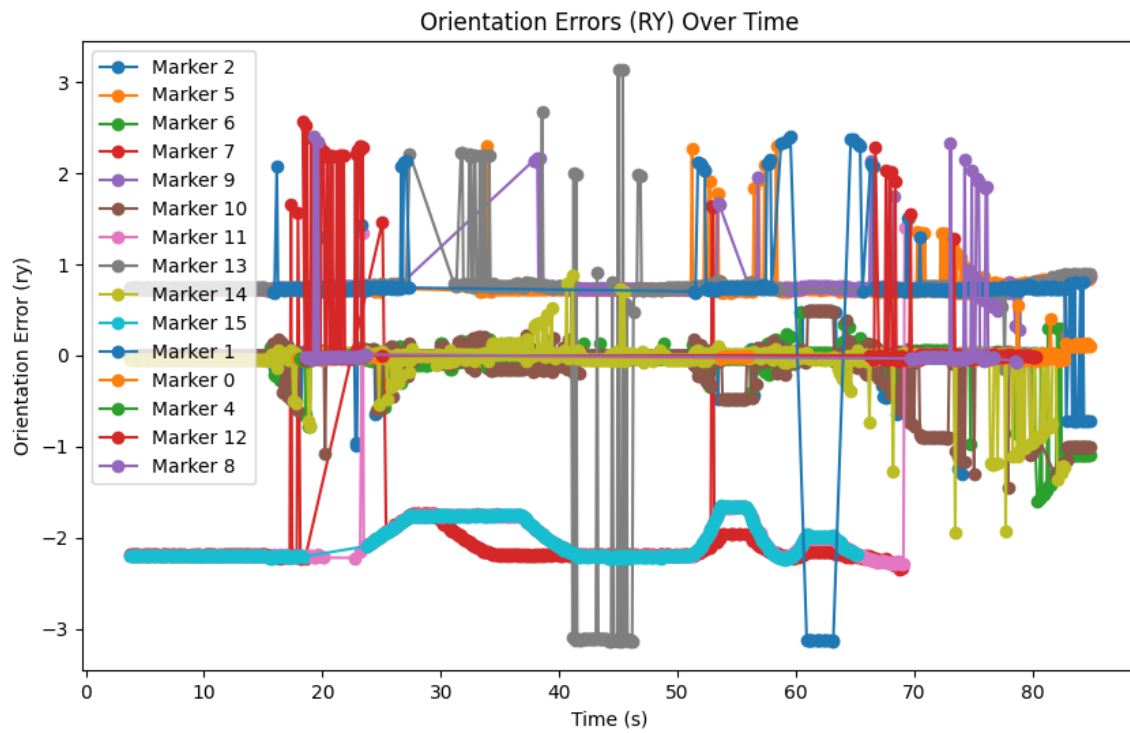
Detection Analysis:

Mean Number of Detected Markers: 9.3681

Standard Deviation: 2.0673

Orientation Errors (RX) Over Time

Orientation Errors (RY) Over Time

Orientation Errors (RZ) Over Time