Recorded at time: 1523438661.820 map Broadcaster: /bring\_to\_map Average rate: 10.191 Hz Most recent transform: 1523438661.848 ( -0.028 sec old) Buffer length: 4.907 sec world Broadcaster: /rob\_st\_pub Average rate: 10000.000 Hz Most recent transform: 0.000 ( 1523438661.820 sec old) Buffer length: 0.000 sec Locomotion Broadcaster: /rob\_st\_pub Average rate: 10.204 Hz Most recent transform: 1523438661.753 ( 0.067 sec old) Buffer length: 4.900 sec Turntable Broadcaster: /rob\_st\_pub Average rate: 10.204 Hz Most recent transform: 1523438661.753 ( 0.067 sec old) Buffer length: 4.900 sec XGantry Broadcaster: /rob\_st\_pub Broadcaster: /rob\_st\_pub Broadcaster: /ZGantry\_midPoint Average rate: 10000.000 Hz Average rate: 10.204 Hz Average rate: 10.191 Hz Most recent transform: 0.000 (1523438661.820 sec old) Most recent transform: 1523438661.753 (0.067 sec old) Most recent transform: 1523438661.898 ( -0.079 sec old) Buffer length: 0.000 sec Buffer length: 4.900 sec Buffer length: 4.906 sec  $ZGantry\_to\_arm$ IK\_reference Kinectv2 Broadcaster: /kinectCAD\_to\_KinectCAD2 Broadcaster: /rob\_st\_pub Average rate: 10.191 Hz Average rate: 10.204 Hz Most recent transform: 1523438661.753 ( 0.067 sec old) Most recent transform: 1523438661.861 (-0.041 sec old) Buffer length: 4.906 sec Buffer length: 4.900 sec Kinectv2\_adjust arm\_link Broadcaster: /rob\_st\_pub Broadcaster: /kinectCAD\_to\_kinectMeasure Average rate: 10.191 Hz Average rate: 10.204 Hz Most recent transform: 1523438661.861 (-0.041 sec old) Most recent transform: 1523438661.753 ( 0.067 sec old) Buffer length: 4.906 sec Buffer length: 4.900 sec Kinectv2\_measure end\_effctor\_link Broadcaster: /kinect\_base Broadcaster: /rob\_st\_pub Broadcaster: /kinect2 Average rate: 10.191 Hz Average rate: 107.725 Hz Average rate: 10.204 Hz Most recent transform: 1523438661.872 (-0.052 sec old) Most recent transform: 1523438661.888 (-0.068 sec old) Most recent transform: 1523438661.753 ( 0.067 sec old) Buffer length: 4.906 sec Buffer length: 5.041 sec Buffer length: 4.900 sec my\_base\_rgb\_optical\_frame my\_base\_link end\_effctor Broadcaster: /kinect2 Average rate: 98.851 Hz Most recent transform: 1523438661.819 ( 0.001 sec old) Buffer length: 4.987 sec my\_base\_ir\_optical\_frame

view\_frames Result