

C++ Publisher and C++ Subscriber		
Actual Value	measured value	
100	99.99	read using rostopic hz /super_awesome_topic
200	199.99	
400	399.98	
500	499.98	
800	799.97	
900	899.99	
1000	999.998	
1100	1100	
1400	1400.01	
1800	1799.985	
2000	2000	
2500	2500.01	
3000	2999.98	
C++ Publisher and Python Subscriber		
Actual	measured value	
100	99.98	
200	200.01	
400	399.863	
500	500.02	
800	800.051	
900	899.98	
1000	998.813	
1100	1099.758	
1400	1399.594	
1800	1799.67	
2000	1999.931	
2500	2497.514	
3000	2990.218	

Python Publisher and Python Subscriber		
Actual	measured value	
100	99.98	
200	199.99	
400	399.84	
500	500.01	
800	799.89	
900	898.94	
1000	998.675	
1100	1090.6	
1400	1390.98	
1800	1770.56	
2000	1944.34	
2500	2376.52	
3000	2634.42	
Python Publisher and C++ Subscriber		
Actual	measured value	
100	100.112	
200	199.984	
400	399.99	
500	499.87	
800	798.8	
900	897.8	
1000	987.98	
1100	1095.098	
1400	1390.96	
1800	1771.31	
2000	1929.357	
2500	2435.04	
3000	2827.67	

RESULTS		
C++ Publisher and C++ Sunscriber		upto 3000hz
C++ Publisher and Python Sunscriber		upto 2000hz
Python Publisher and Python Subscriber		upto 1000hz
Python Publisher and C++ Subscriber		upto 900hz