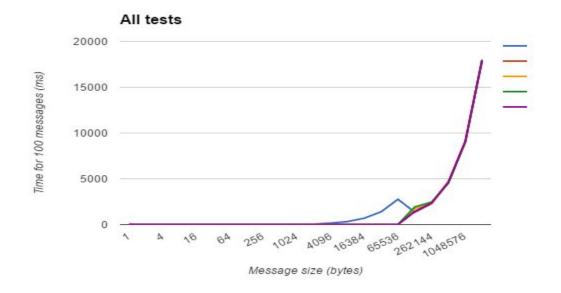
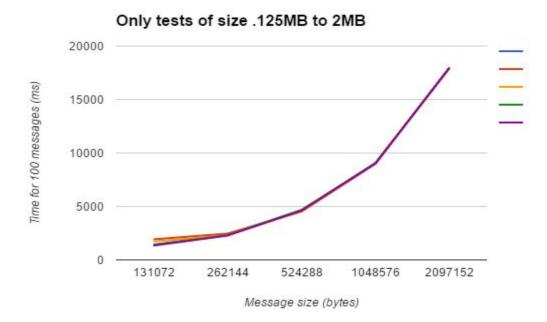
Time for 100 messages in milliseconds from each other rank to 0. Ranks 5 and 7 omitted because they clearly share a cache.

Rank	1	2	3	4	6	AVG	AVG/100	Size (Bytes)
	67	7	7	5	2	17.6	0.176	1
	11	6	6	5	2	6	0.06	2
	11	6	6	5	2	6	0.06	4
	11	7	7	5	2	6.4	0.064	3
	11	8	7	5	2	6.6	0.066	16
	12	7	7	5	2	6.6	0.066	32
	12	7	7	5	2	6.6	0.066	64
	13	8	7	5	2	7	0.07	128
	14	8	7	5	2	7.2	0.072	256
	15	9	7	5	2	7.6	0.076	512
	17	11	9	6	2	9	0.09	1024
	51	12	10	7	2	16.4	0.164	2048
	164	12	10	8	2	39.2	0.392	4096
	327	13	11	8	2	72.2	0.722	8192
	698	14	11	9	2	146.8	1.468	16384
	1397	15	12	9	3	287.2	2.872	32768
	2764	16	13	10	9	562.4	5.624	65536
	1339	1403	1734	1929	1439	1568.8	15.688	131072
	2277	2317	2314	2460	2375	2348.6	23.486	262144
	4606	4689	4596	4523	4632	4609.2	46.092	524288
	9034	9023	9008	8989	9083	9027.4	90.274	1048576
	17976	17985	17985	17996	17917	17971.8	179.718	2097152

## Plotting this data gives





The linear regressions of these data sets give (these are derived with just the =SLOPE(yset,xset) and =INTERCEPT(yset,xset)) functions. These are calculated from the average/100 column, so the intercept is in milliseconds and represents latency while the slope is in bytes/millisecond.

	Bytes and milliseconds	Megabytes and seconds
Slope(all)	8.58E-05	8.58E-02
Intercept(all)	3.55E-01	3.55E-04
Slope(18-22)	8.42E-05	8.42E-02
Intercept(18-22)	1.27E+00	1.27E-03

This data seems to suggest a latency of .35-1.2ms and a bandwidth of 0.08mb/s... which doesn't sound like the correct bandwidth.