	1024x1024x64x4
	1024x1024x32x4
	default stripe	ms

Downsampling 1024 → 512

chunk 1x1024x1024

	cores 16			cores 32			cores 64			cores 128		
stripe	1048576	134217728	268435456	1048576	134217728	268435456	1048576	134217728	268435456	1048576	134217728	268435456
read	17849	29650	17148	9752	4193	4299	7732	2651	1861	9215	1232	1349
MPI_Gatherv	347	348	355	1706	1635	1378	6379	6172	6245	20444	19716	19773
write	1302	1375	1316	2783	1289	2168	1796	1575	2372	2139	1804	1292
	20275	19114	19520	14572	7406	8111	16122	10536	10613	31894	22821	22497

chunk 64x64x64

	cores 16			cores 32			cores 64			cores 128		
stripe	1048576	134217728	268435456	1048576	134217728	268435456	1048576	134217728	268435456	1048576	134217728	268435456
read	11418	9977	2783	8267	5468	4168	7636	2403	2483	9353	2281	2340
MPI_Gatherv	341	351	341	1576	1646	1646	6255	6243	6323	20321	20169	19900
write	1241	1352	1282	4098	1263	1319	1887	1588	2339	1483	1525	1439
	13683	12394	5098	14225	8662	7415	15911	10370	11279	31232	24046	23744

MPI_Alltoallv | 200 | 800 | 1800 | 5700

Change chunks 1x1024x1024 → 64x64x64

	cores 16			cores 32			cores 64			cores 128		
stripe	1048576	134217728	268435456	1048576	134217728	268435456	1048576	134217728	268435456	1048576	134217728	268435456
read	18646	16706	16735	9961	5110	4189	7790	1707	1762	8782	1255	1317
write	12799	14062	13951	20982	12471	9993	18441	7804	6340	13667	6561	7100
	32127	31540	31473	31266	18109	14831	26423	9810	8424	22658	8121	8699