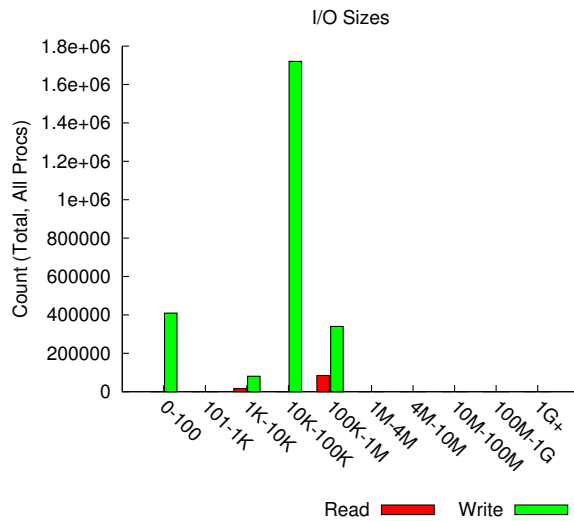| jobid: 407642	uid: 59902	nprocs: 16384	runtime: 5954 seconds

Average I/O cost per process

I/O Operation Counts

I/O Sizes

I/O Pattern
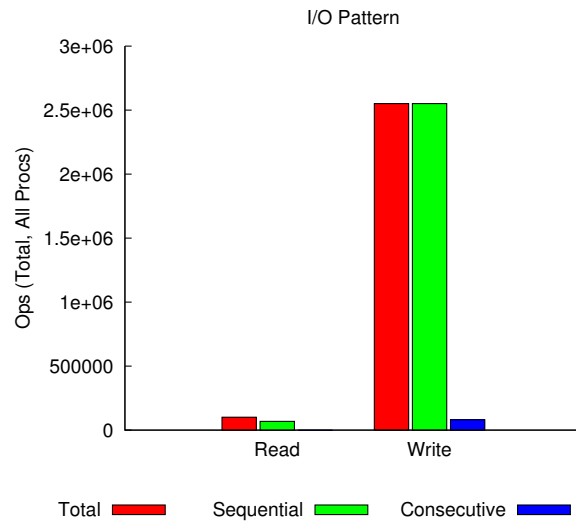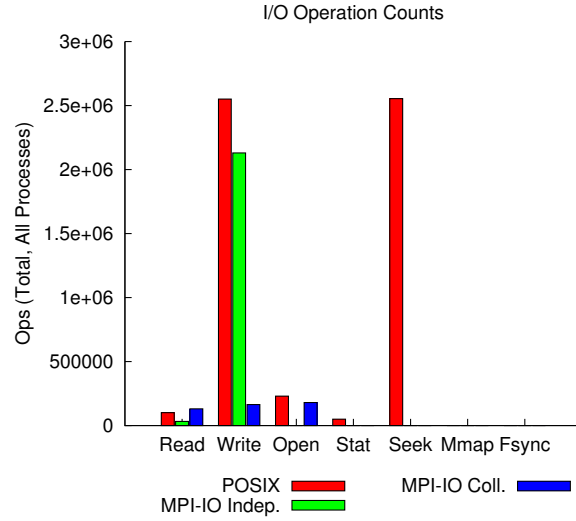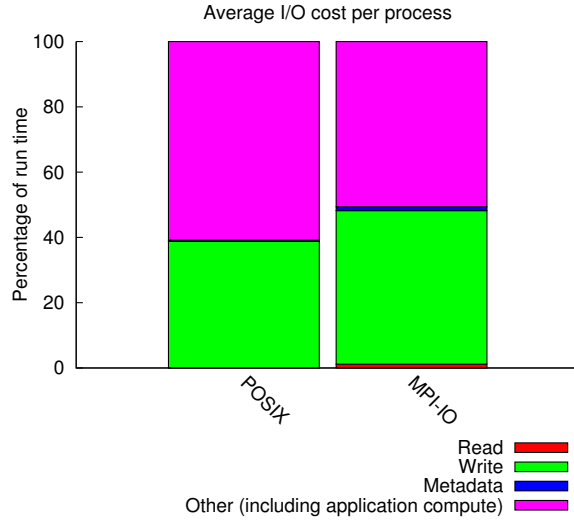
Most Common Access Sizes	
access size	count
12288	1802240
1048576	408003
68	163850
52	81920

File Count Summary
(estimated by I/O access offsets)

type	number of files	avg. size	max size
total opened	27	16G	67G
read-only files	1	67G	67G
write-only files	15	24G	67G
read/write files	0	0	0
created files	15	24G	67G

Timespan from first to last read access on independent files

Timespan from first to last write access on independent files

Timespan from first to last access on files shared by all processes
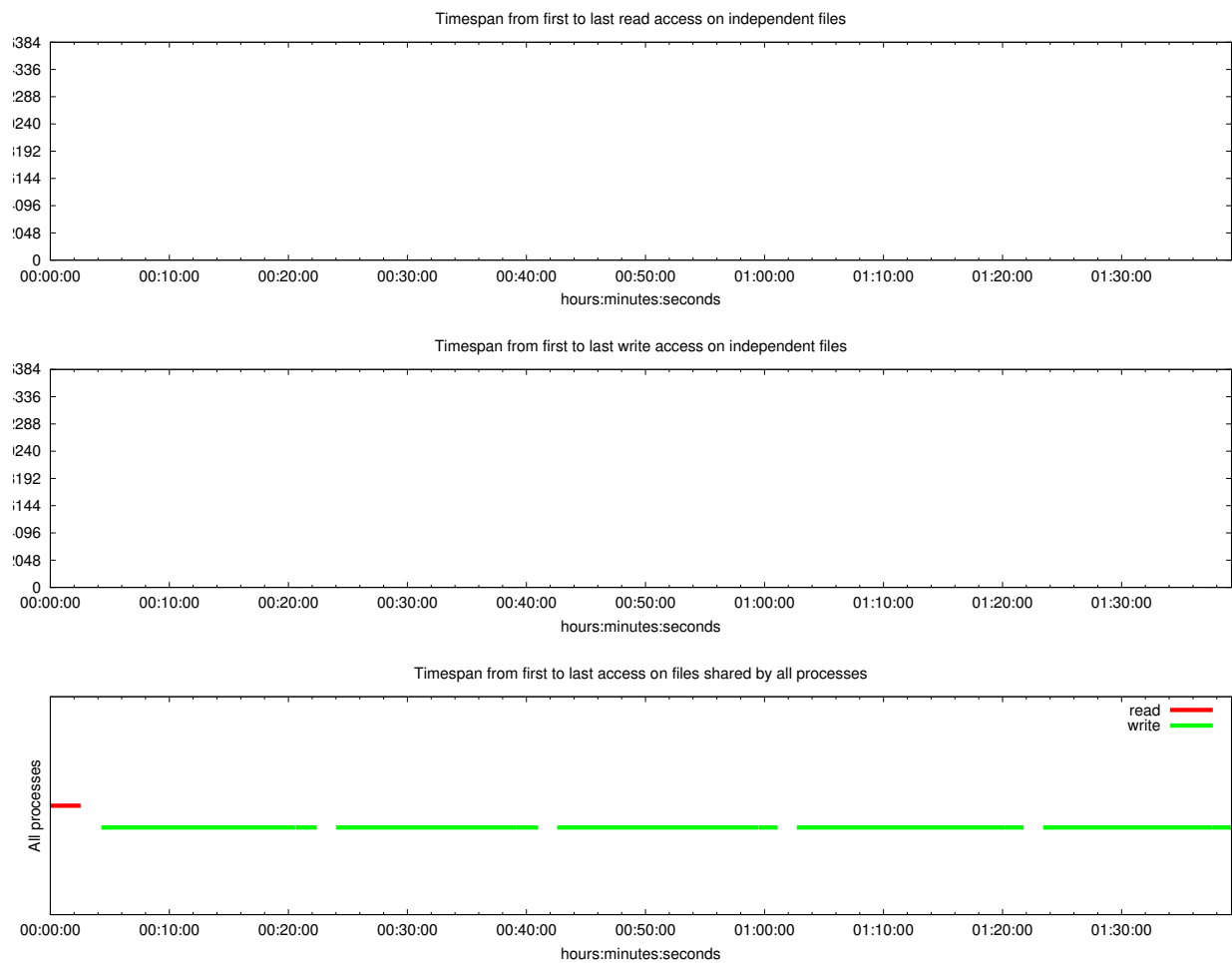
Average I/O per process

	Cumulative time spent in I/O functions (seconds)	Amount of I/O (MB)
Independent reads	0.000000	0.000000
Independent writes	0.000133	0.038533
Independent metadata	0.000229	N/A
Shared reads	0.951638	4.779297
Shared writes	2308.559609	21.983645
Shared metadata	24.316495	N/A

Data Transfer Per Filesystem

File System	Write		Read	
	MiB	Ratio	MiB	Ratio
/global/u2	0.00000	0.00000	0.00000	0.00000
/	0.00000	0.00000	0.00000	0.00000
/scratch1	360811.37707	1.00000	78304.00012	1.00000

/global/u2/y/yanfei/GlobalStarMidFlux/bin/./athena -r /scratch1/scratchdirs/yanfei/GlobalStarMidFlux/restart/star.out3.00023.rst time/tlim=0.14
-d /scratch1/scratchdirs/yanfei/GlobalStarMidFlux

Variance in Shared Files

File Suffix	Processes	Fastest			Slowest			σ	
		Rank	Time	Bytes	Rank	Time	Bytes	Time	Bytes
...ut1.00027.athdf	16384	14935	115.966724	253K	3570	914.990537	253K	148	15.1
...ut1.00026.athdf	16384	16230	119.099881	253K	7318	871.268881	253K	122	15.1
...ut1.00024.athdf	16384	11552	85.761792	253K	10386	830.892846	253K	115	15.1
...ut1.00025.athdf	16384	12985	97.383639	253K	4729	804.147341	253K	110	15.1
...ut1.00028.athdf	16384	13270	110.295588	253K	5951	751.518835	253K	104	15.1
....out3.00023.rst	16384	6325	126.038843	644K	5994	152.688040	644K	0.652	3.94e+08
....out3.00025.rst	16384	0	106.547219	34G	3742	107.927480	0	0.742	3.94e+08
....out3.00024.rst	16384	0	106.323354	34G	2052	107.887329	0	0.696	3.94e+08
....out3.00028.rst	16384	0	95.467982	34G	373	96.970575	0	0.658	3.94e+08
....out3.00026.rst	16384	0	94.520288	34G	10490	96.025882	0	0.638	3.94e+08
....out3.00027.rst	16384	0	91.965289	34G	11311	93.412195	0	0.634	3.94e+08
.../aveopacity.txt	16384	5994	0.051274	0	15749	25.605095	0	3.29	0
...x/bin/Input.txt	512	3330	0.000375	0	9380	0.020463	0	0.00149	0
...bin/logRhoT.txt	16384	12344	0.000303	0	1044	0.012066	0	0	0
...ux/bin/logT.txt	16384	1024	0.000303	0	11969	0.010186	0	0	0