jobid: 11563304	uid: 76505	nprocs: 512	runtime: 50 seconds

I/O performance *estimate* (at the MPI-IO layer): transferred 468124 MiB at 4501.56 MiB/s
I/O performance *estimate* (at the STDIO layer): transferred 0.4 MiB at 34.16 MiB/s

Average I/O cost per process
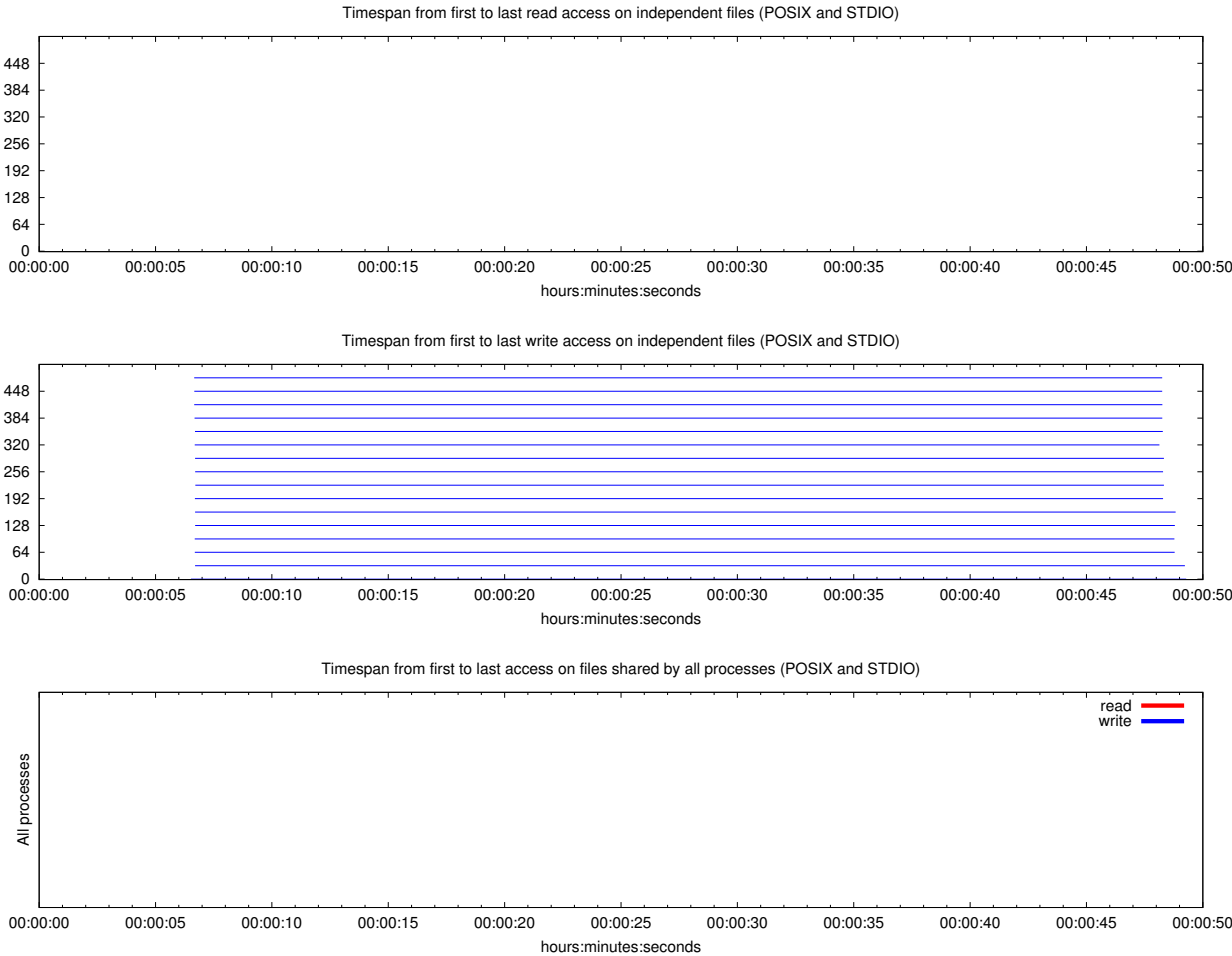
I/O Operation Counts

POSIX Access Sizes
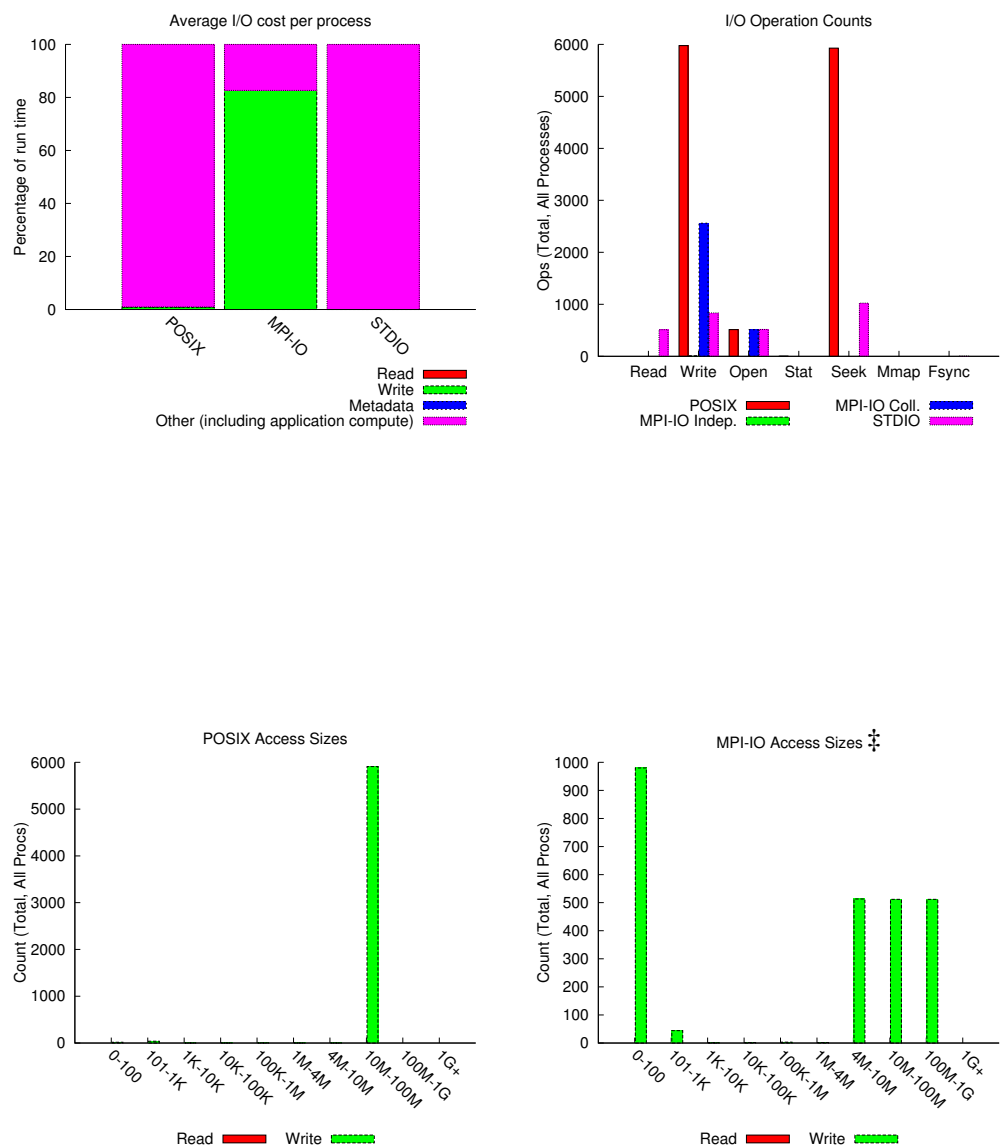
MPI-IO Access Sizes ‡

Most Common Access Sizes
(POSIX or MPI-IO)

	access size	count
POSIX	33554432	5905
	40	8
	544	7
	272	7
MPI-IO ‡	5659776	319
	7546368	192
	21875712	31
	22108032	24

‡ NOTE: MPI-IO accesses are given in
terms of aggregate datatype size.

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

type	number of files	avg. size	max size
total opened	6	3.8K	8.7K
read-only files	1	871	871
write-only files	5	4.4K	8.7K
read/write files	0	0	0
created files	5	4.4K	8.7K

Timespan from first to last read access on independent files (POSIX and STDIO)

Timespan from first to last write access on independent files (POSIX and STDIO)

Timespan from first to last access on files shared by all processes (POSIX and STDIO)

read ▬
write ▬

Average I/O per process (POSIX and STDIO)

	Cumulative time spent in I/O functions (seconds)	Amount of I/O (MB)
Independent reads	1.37304687500001e-06	0.000830650329589844
Independent writes	-1.84644622460938	369.293811105192
Independent metadata	0.004914361328125	N/A
Shared reads	0	0
Shared writes	0	0
Shared metadata	0	N/A

Data Transfer Per Filesystem (POSIX and STDIO)

File System	Write		Read	
	MiB	Ratio	MiB	Ratio
UNKNOWN	0.00289	0.00000	0.00000	0.00000
/global/cscratch1	189078.42839	1.00000	0.42529	1.00000

POSIX I/O Pattern
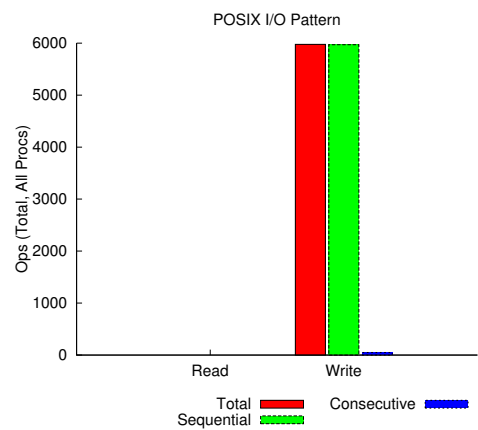
sequential: An I/O op issued at an offset greater than where the previous I/O op ended.
consecutive: An I/O op issued at the offset immediately following the end of the previous I/O op.

Variance in Shared Files (POSIX and STDIO)

File Suffix	Processes	Fastest			Slowest			σ	
		Rank	Time	Bytes	Rank	Time	Bytes	Time	Bytes