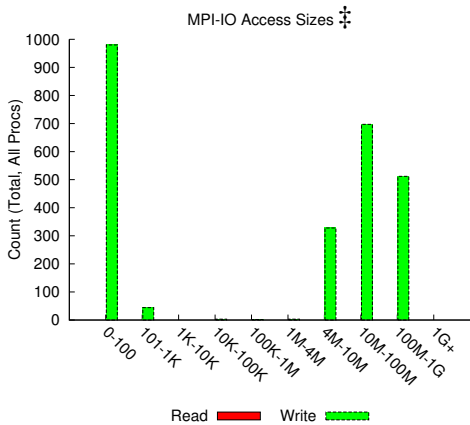| jobid: 11543440	uid: 76535	nprocs: 512	runtime: 31 seconds

I/O performance *estimate* (at the MPI-IO layer): transferred 482471 MiB at 17004.68 MiB/s
I/O performance *estimate* (at the STDIO layer): transferred 0.5 MiB at 16.95 MiB/s

Average I/O cost per process
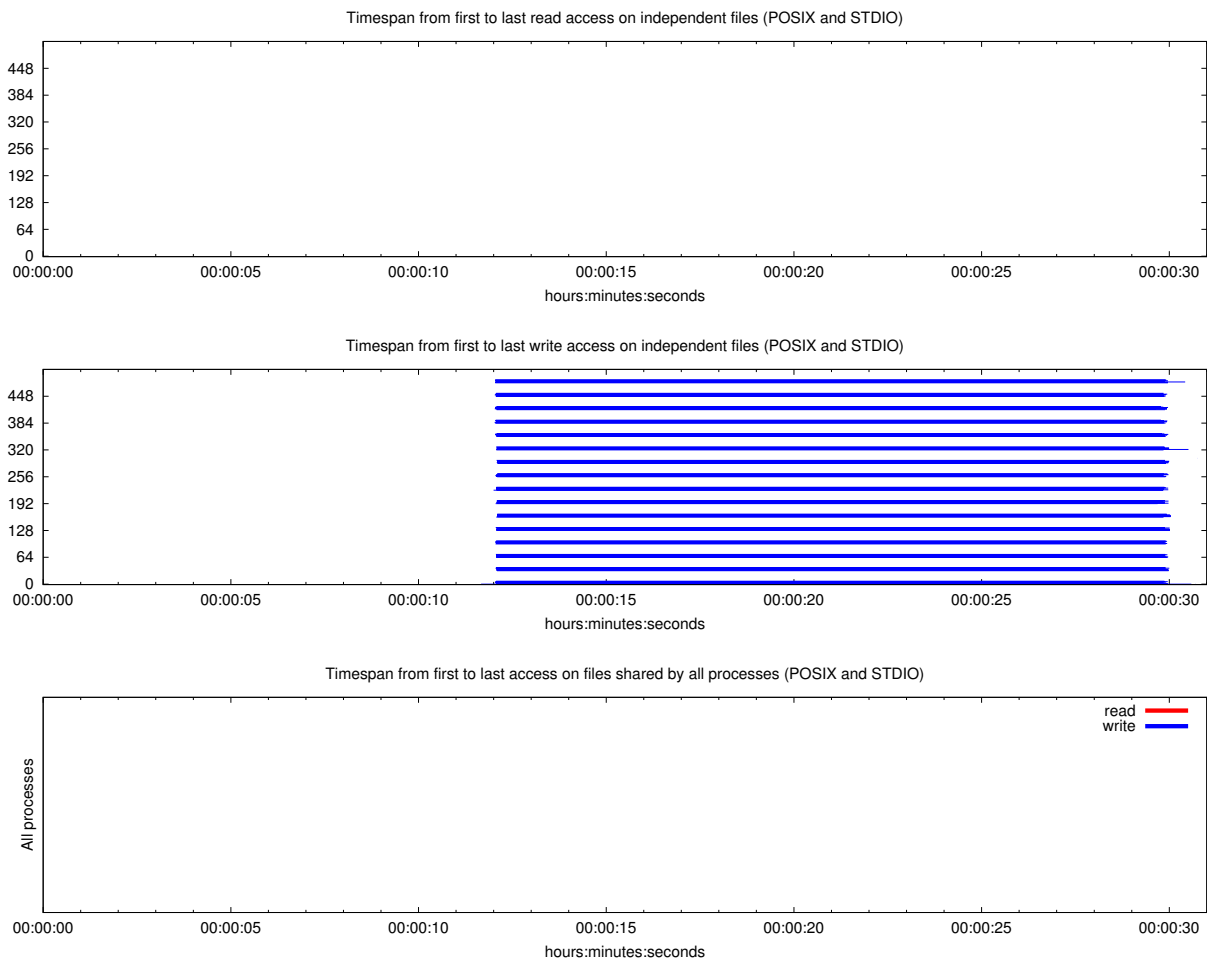
Read
Write
Metadata
Other (including application compute)

I/O Operation Counts

POSIX
MPI-IO Indep.
MPI-IO Coll.
STDIO

POSIX Access Sizes

Read   Write

MPI-IO Access Sizes ‡

Read   Write
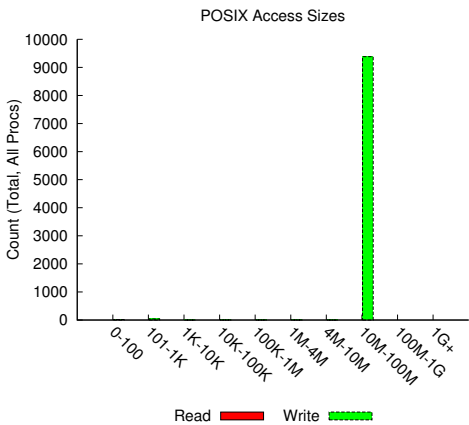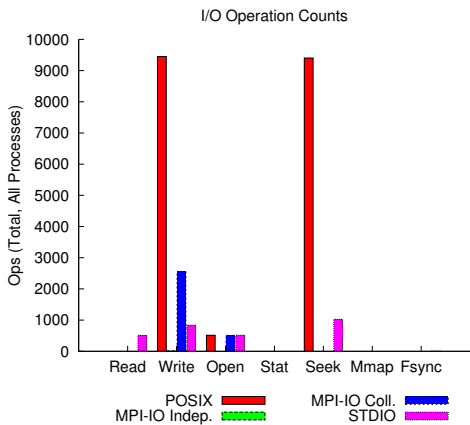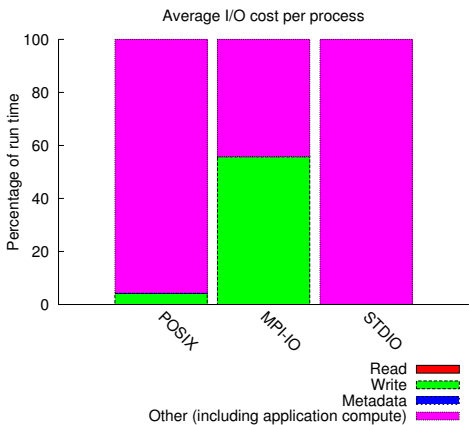
Most Common Access Sizes
(POSIX or MPI-IO)

	access size	count
POSIX	33554432	9379
	40	8
	272	7
	544	7
MPI-IO ‡	9432960	327
	11319552	184
	34368768	114
	35586816	57

‡ 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	899	899
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	1.33398437500001e-06	0.000857353210449219
Independent writes	-0.110316435546875	586.424852369353
Independent metadata	0.00816612890625	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
/global/cscratch1	300249.52151	1.00000	0.43896	1.00000
UNKNOWN	0.00290	0.00000	0.00000	0.00000

POSIX I/O Pattern

Ops (Total, All Procs)
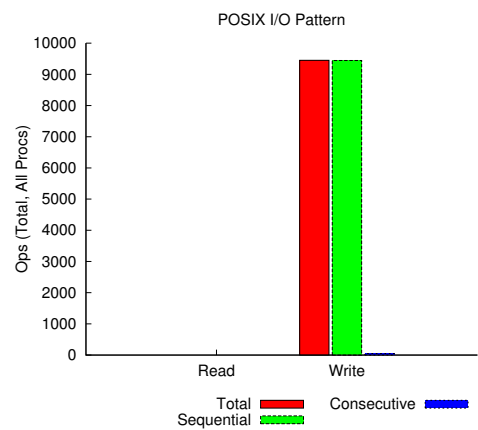
sequential: An I/O op issued at an offset greater than where the previous I/O op ended.
consecutive: An I/O op issued at the offset immediately following the end of the previous I/O op.

Variance in Shared Files (POSIX and STDIO)

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