jobid: 11545570	uid: 76535	nprocs: 1024	runtime: 24 seconds

I/O performance *estimate* (at the MPI-IO layer): transferred 960102 MiB at 10205.26 MiB/s
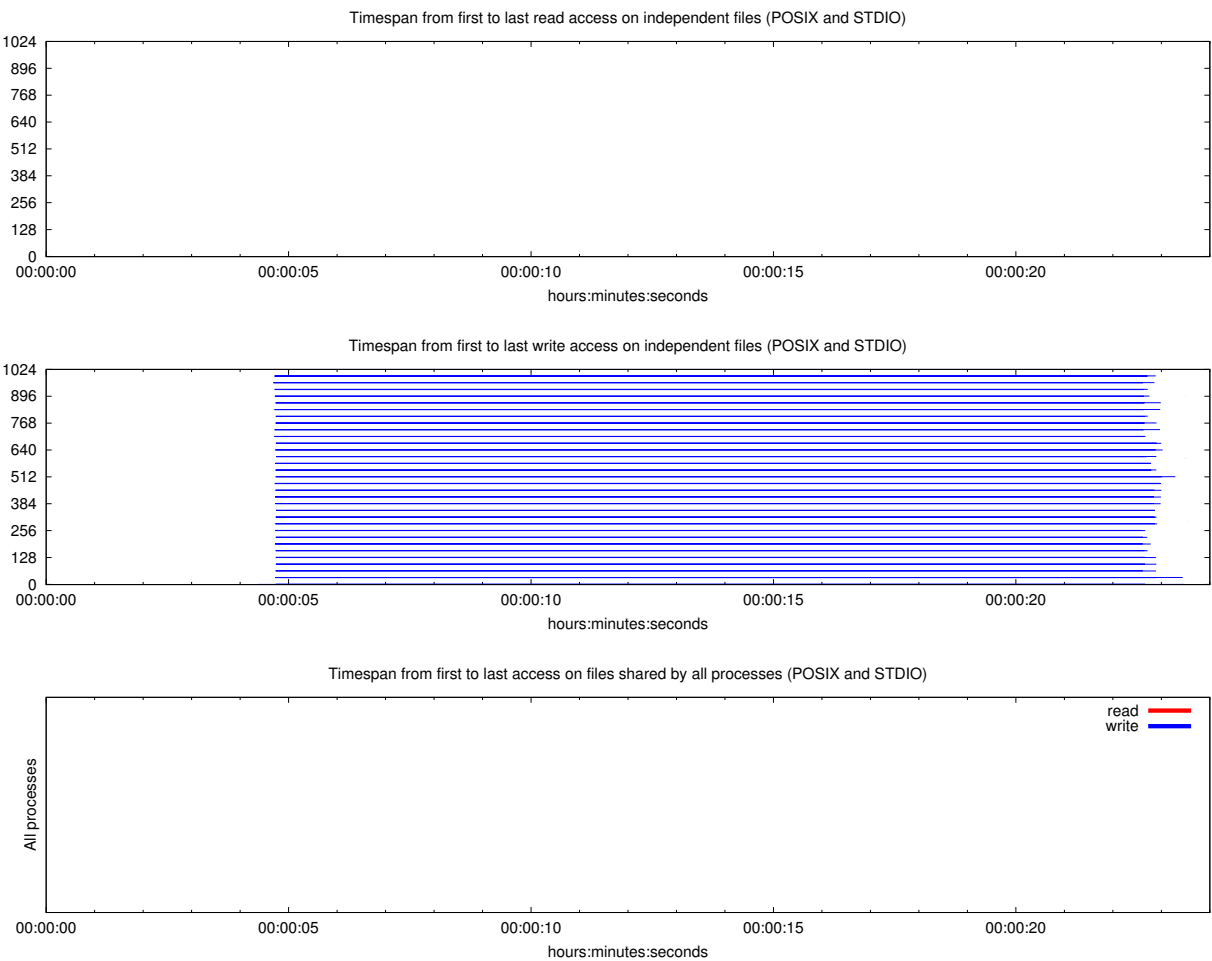I/O performance *estimate* (at the STDIO layer): transferred 0.9 MiB at 26.22 MiB/s

Average I/O cost per process

I/O Operation Counts

POSIX Access Sizes
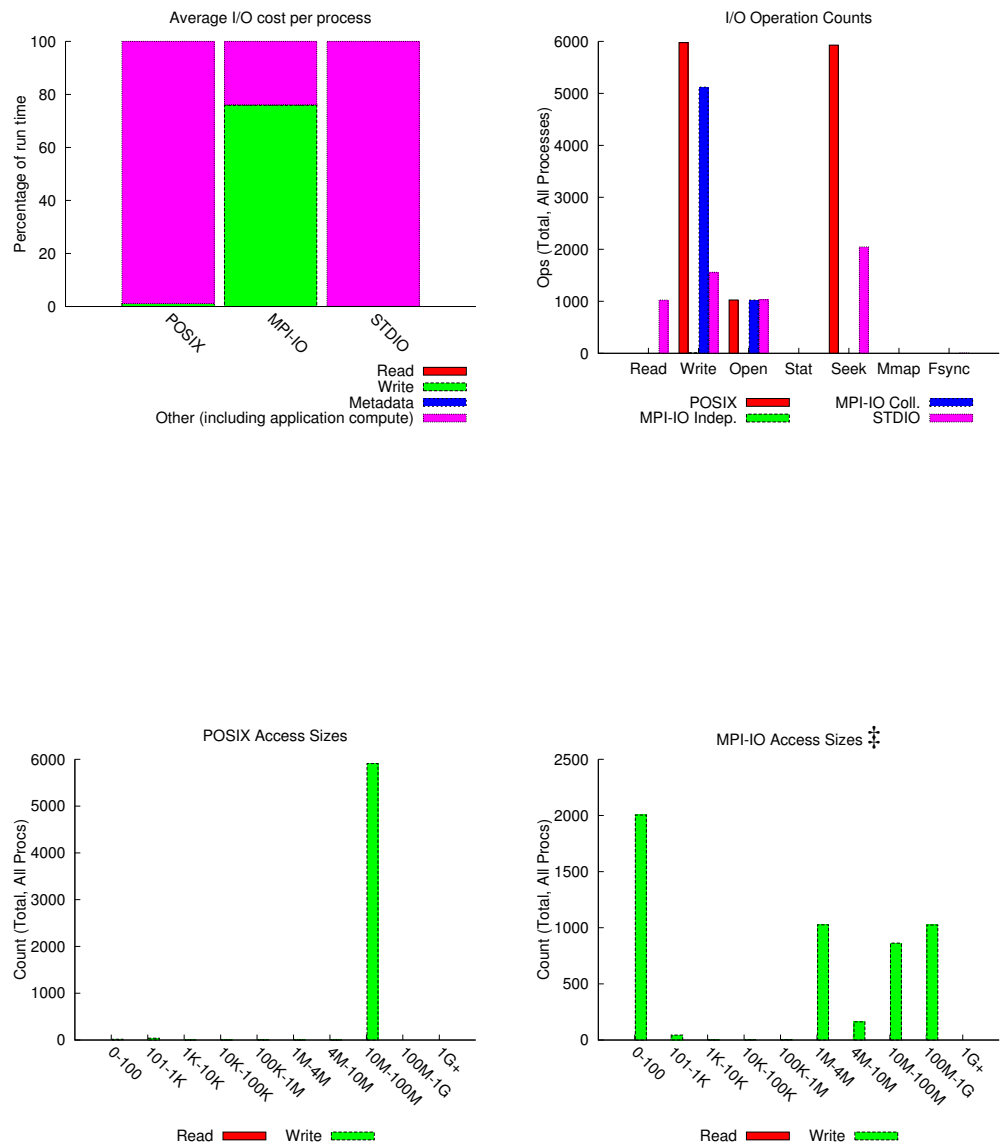
MPI-IO Access Sizes ‡

Most Common Access Sizes
(POSIX or MPI-IO)

	access size	count
POSIX	33554432	5905
	40	8
	544	7
	272	7
MPI-IO ‡	3773184	703
	1886592	320
	10267392	55
	11045376	53

‡ 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	8	5.0K	8.7K
read-only files	1	899	899
write-only files	7	5.6K	8.7K
read/write files	0	0	0
created files	7	5.6K	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

All processes

Average I/O per process (POSIX and STDIO)

	Cumulative time spent in I/O functions (seconds)	Amount of I/O (MB)
Independent reads	1.1708984375e-06	0.000857353210449219
Independent writes	-0.27526718359375	184.646921714768
Independent metadata	0.0053701171875	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	189078.44494	1.00000	0.87793	1.00000
UNKNOWN	0.00290	0.00000	0.00000	0.00000

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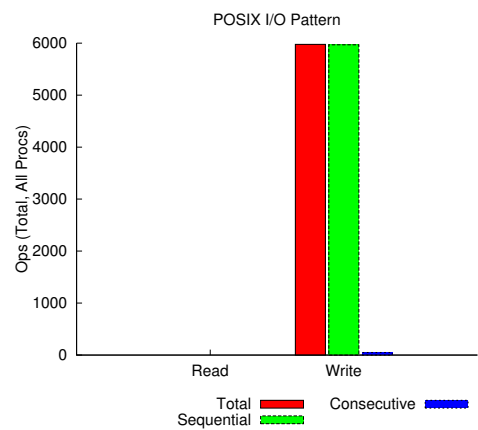
sequential: An I/O op issued at an offset greater than where the previous I/O op ended.
consecutive: An I/O op issued at the offset immediately following the end of the previous I/O op.

Variance in Shared Files (POSIX and STDIO)

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