jobid: 11544819	uid: 76535	nprocs: 2048	runtime: 9 seconds

I/O performance *estimate* (at the MPI-IO layer): transferred 1906610 MiB at 26427.43 MiB/s
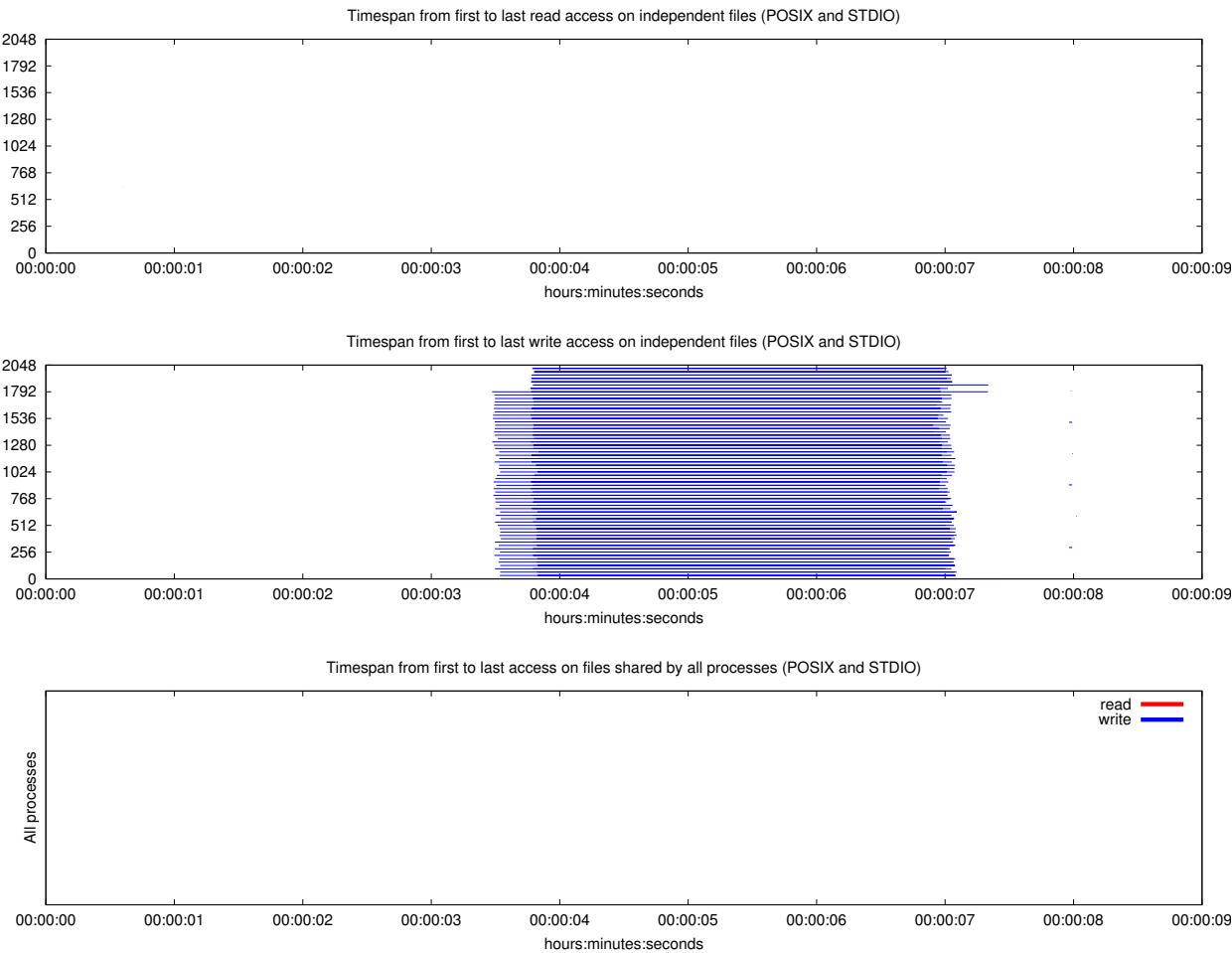I/O performance *estimate* (at the STDIO layer): transferred 1.8 MiB at 88.59 MiB/s

Average I/O cost per process

I/O Operation Counts

POSIX Access Sizes
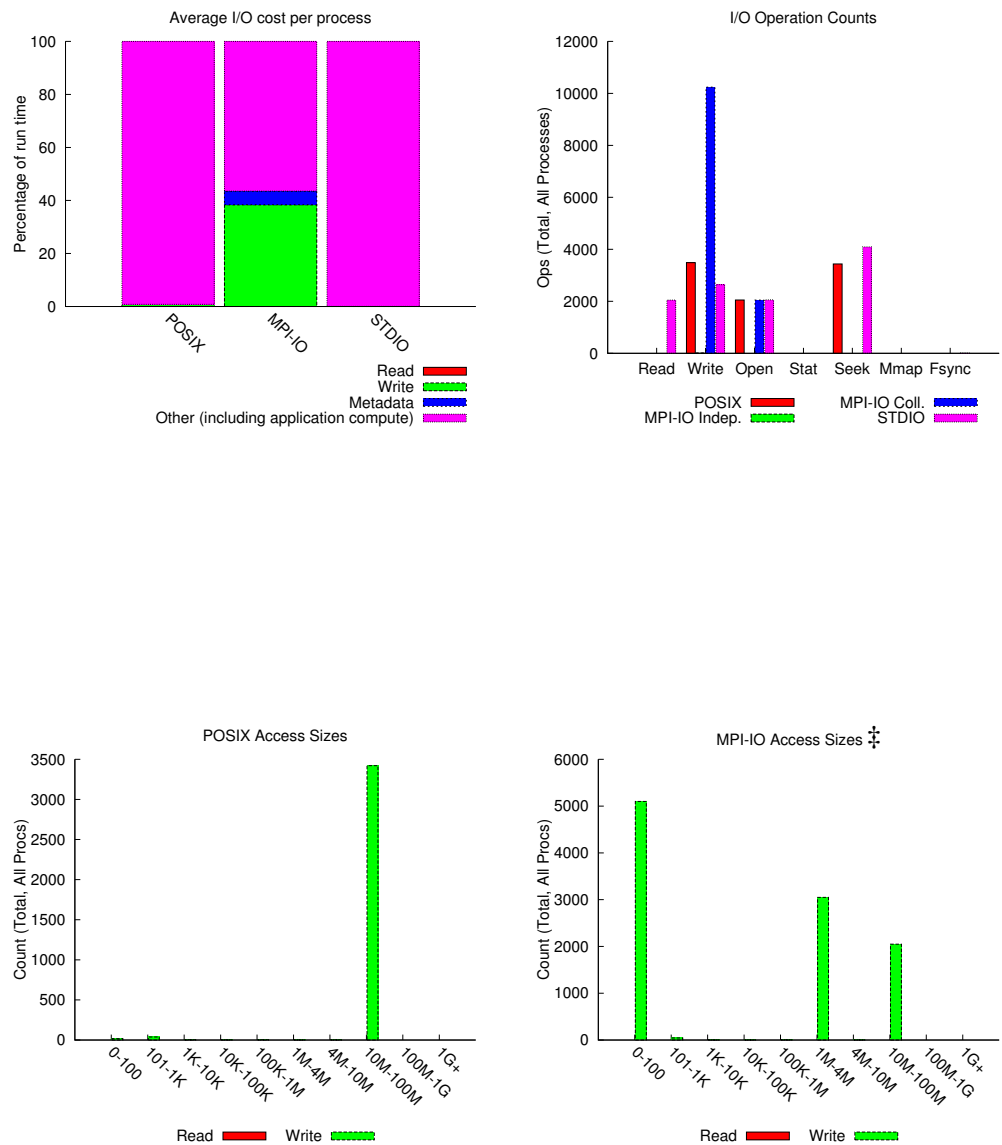
MPI-IO Access Sizes ‡

Most Common Access Sizes
(POSIX or MPI-IO)

	access size	count
POSIX	33554432	3416
	40	8
	544	7
	272	7
MPI-IO ‡	1886592	999
	3329280	147
	3571200	114
	2904192	114

‡ 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	11	5.9K	8.7K
read-only files	1	899	899
write-only files	10	6.4K	8.7K
read/write files	0	0	0
created files	10	6.4K	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

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	1.15283203124999e-06	0.000857353210449219
Independent writes	-0.0220389467773438	53.4279517652467
Independent metadata	0.00456060351562499	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	0.00290	0.00000	0.00000	0.00000
/global/cscratch1	109420.44231	1.00000	1.75586	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