jobid: 11568236	uid: 76535	nprocs: 1024	runtime: 10 seconds

I/O performance *estimate* (at the MPI-IO layer): transferred 960059 MiB at 15584.96 MiB/s

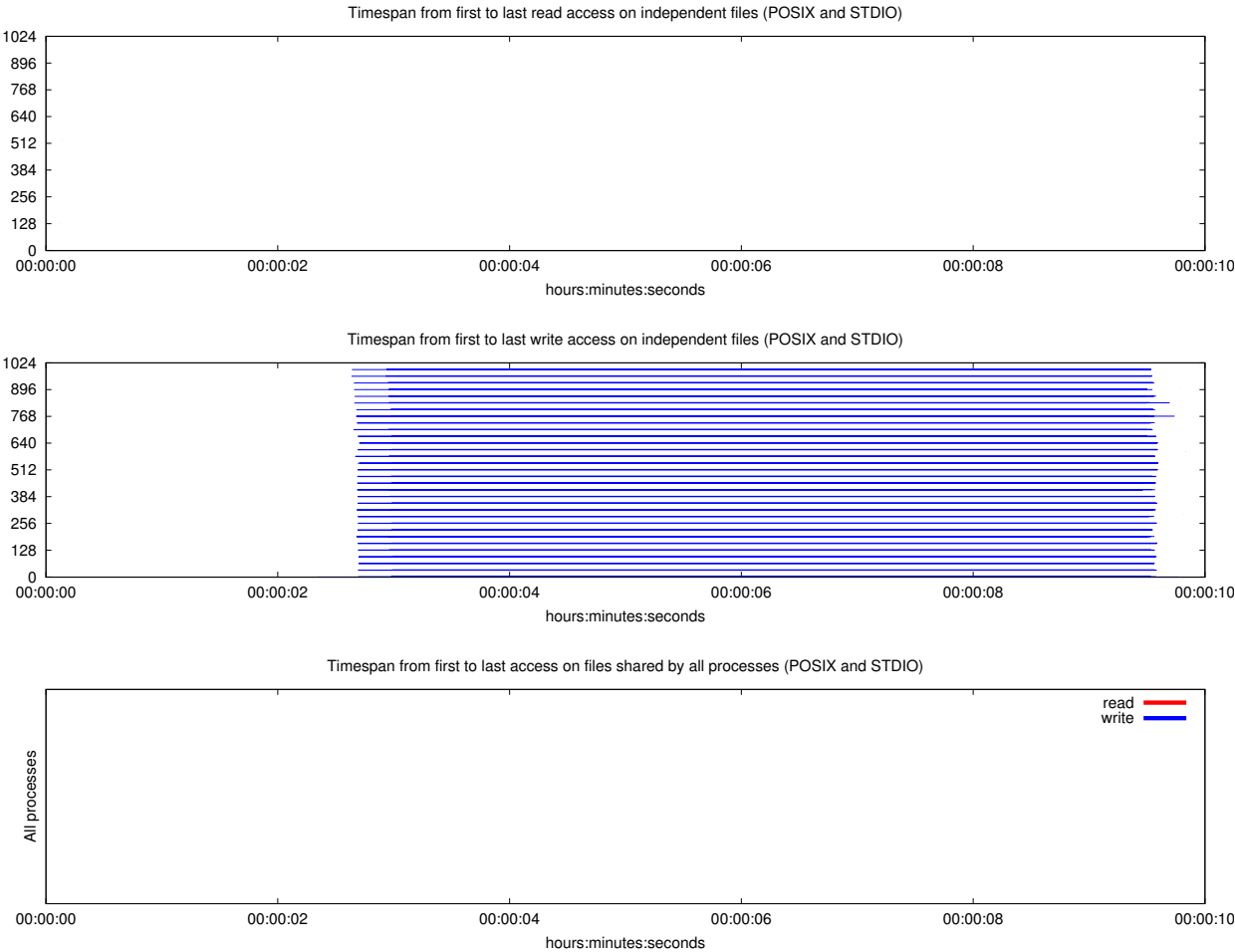I/O performance *estimate* (at the STDIO layer): transferred 0.9 MiB at 18.93 MiB/s

Average I/O cost per process

I/O Operation Counts

POSIX Access Sizes
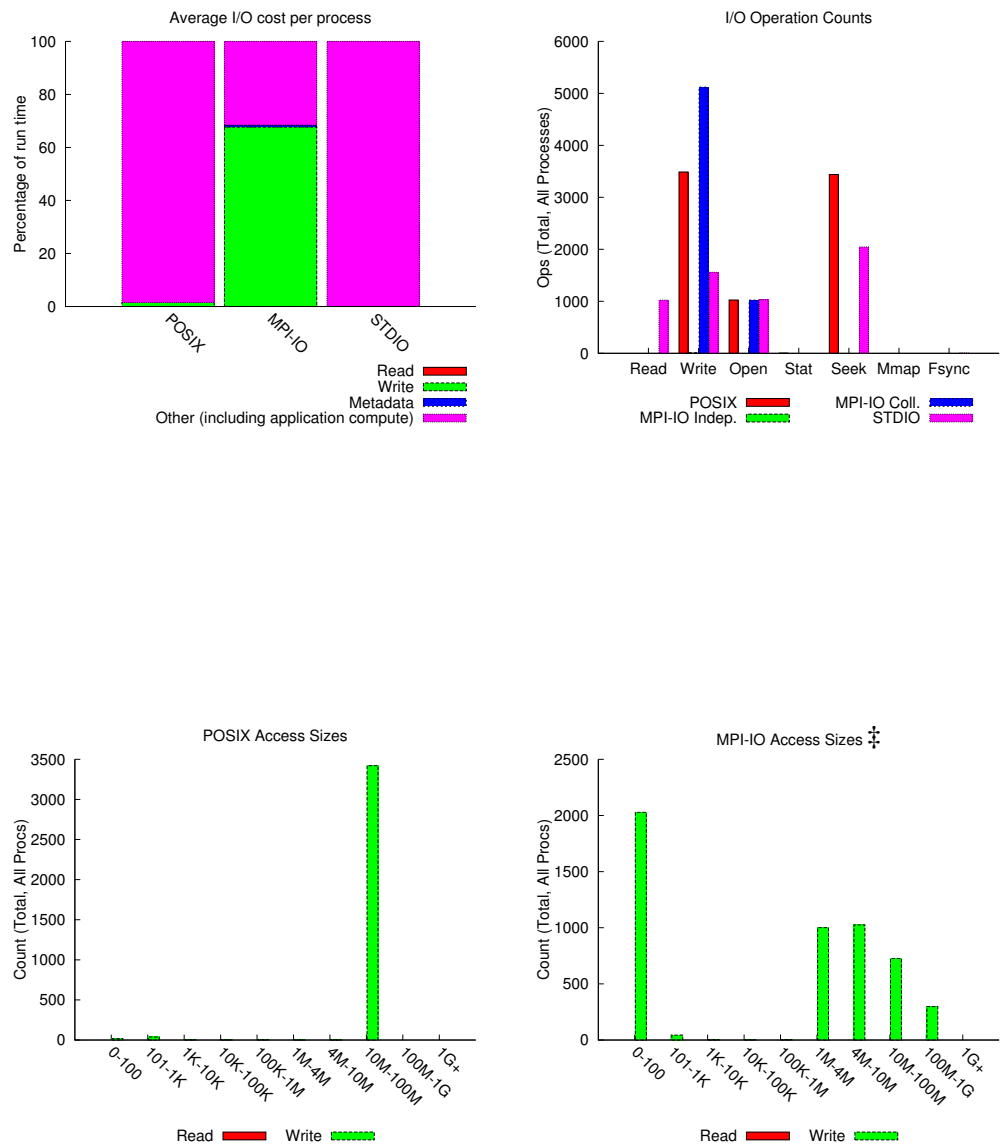
MPI-IO Access Sizes ‡

Most Common Access Sizes
(POSIX or MPI-IO)

	access size	count
POSIX	33554432	3416
	40	8
	544	7
	272	7
MPI-IO ‡	1886592	999
	6660096	100
	5678592	94
	6475392	76

‡ 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)

Average I/O per process (POSIX and STDIO)

	Cumulative time spent in I/O functions (seconds)	Amount of I/O (MB)
Independent reads	1.173828125e-06	0.0008573532210449219
Independent writes	-0.076088427734375	106.85587933939
Independent metadata	0.0052543076171875	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	109420.41754	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