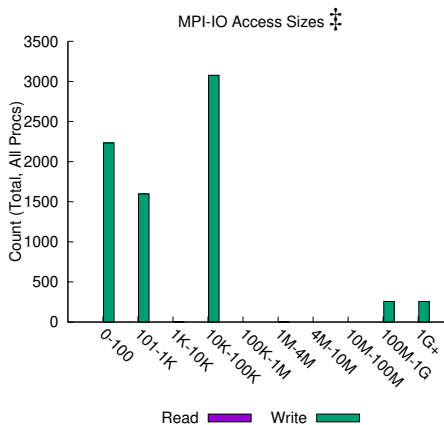
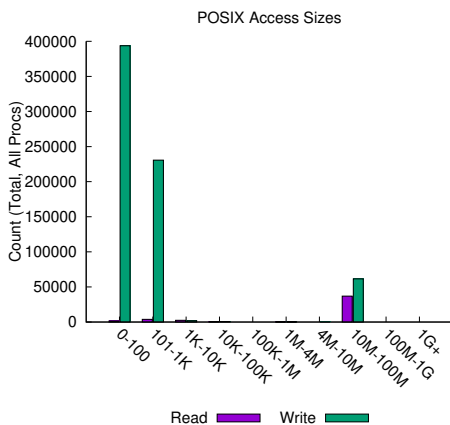
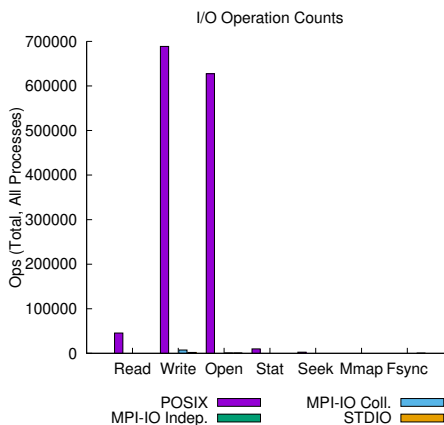
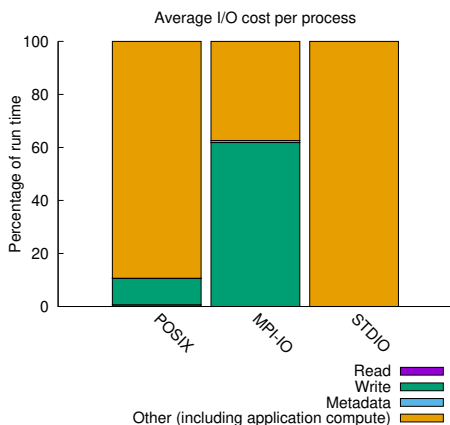


jobid: 1377719	uid: 14487	nprocs: 256	runtime: 58 seconds
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I/O performance *estimate* (at the MPI-IO layer): transferred **1574093.6 MiB** at **10831.36 MiB/s**  
 I/O performance *estimate* (at the STDIO layer): transferred **0.0 MiB** at **1.01 MiB/s**



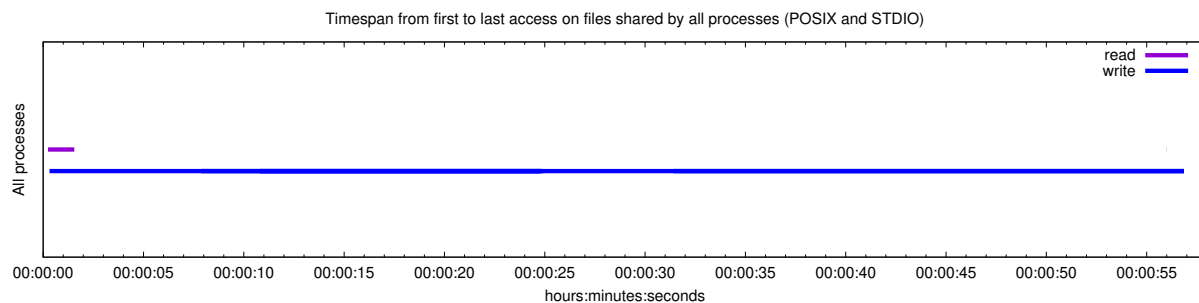
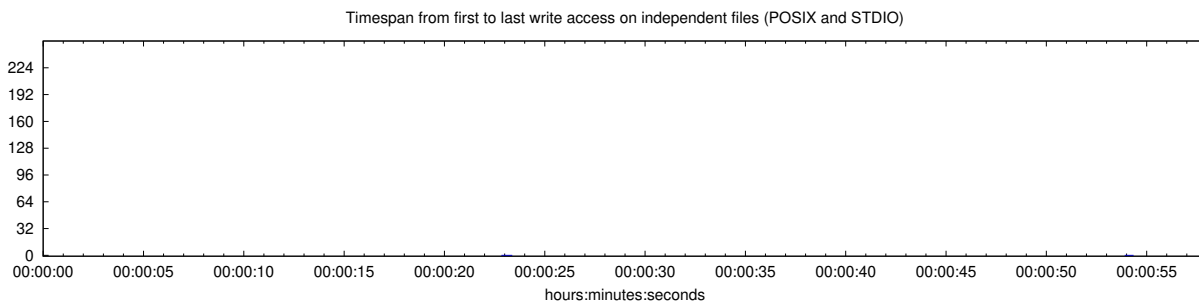
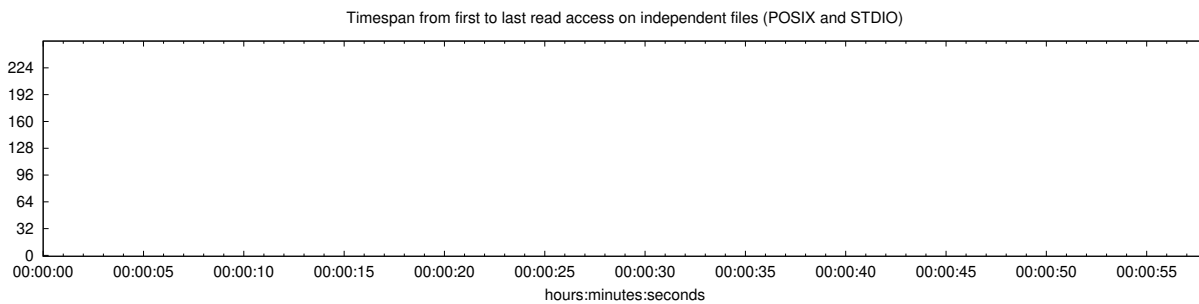
Most Common Access Sizes  
(POSIX or MPI-IO)

	access size	count
POSIX	20	110592
	16777216	98301
	66	86016
	19	86016
MPI-IO ‡	16512	1536
	16384	1536
	384	1024
	1207959552	255

‡ 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	2824	558MiB	577GiB
read-only files	257	2.3GiB	577GiB
write-only files	1287	765MiB	577GiB
read/write files	256	4.7KiB	4.7KiB
created files	1543	638MiB	577GiB

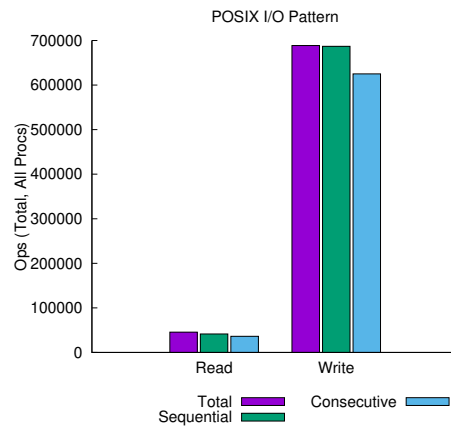


Average I/O per process (POSIX and STDIO)

	Cumulative time spent in I/O functions (seconds)	Amount of I/O (MiB)
Independent reads	7.15234375000003e-06	0.0134830474853516
Independent writes	0.00308159375	2.90571328252554
Independent metadata	0.000279324218750001	N/A
Shared reads	0.37112375390625	2305.58616987616
Shared writes	5.7840992734375	3840.29795919731
Shared metadata	0.0233252734375	N/A

Data Transfer Per Filesystem (POSIX and STDIO)

File System	Write		Read	
	MiB	Ratio	MiB	Ratio
/	697.01758	0.00071	3.45166	0.00001
/lustre/orion	983163.10818	0.99929	590230.05949	0.99999
UNKNOWN	0.01440	0.00000	0.00000	0.00000



*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			$\sigma$	
		Rank	Time	Bytes	Rank	Time	Bytes	Time	Bytes
...t.final.rhdf	256	100	0.000687	0	2	8.112720	4.5GiB	3.11	2.42e+09
...m.final.phdf	256	76	0.000579	0	194	6.007327	3.0GiB	2.72	1.61e+09
...t.00018.rhdf	256	184	0.329886	2.3GiB	185	0.573563	2.3GiB	0.0223	2.3e+03
...<STDOUT>	256	15	0.000007	35B	0	0.000106	3.4KiB	0	213
...<STDERR>	256	8	0.000000	0	0	0.000044	2.2KiB	0	137