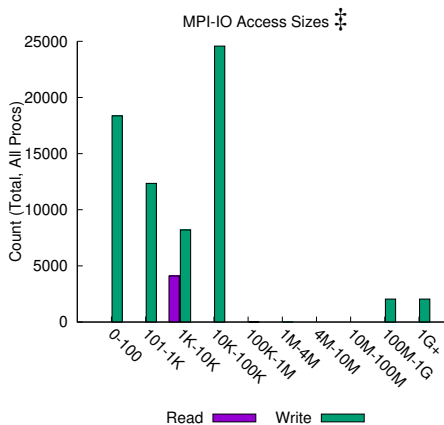
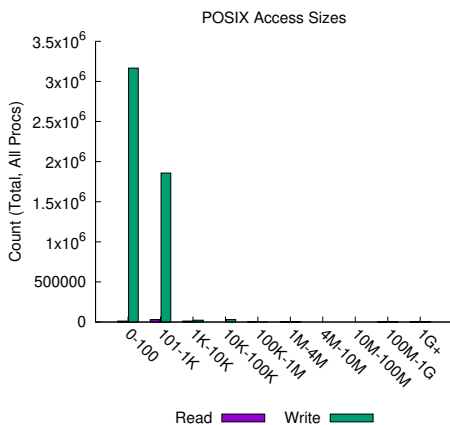
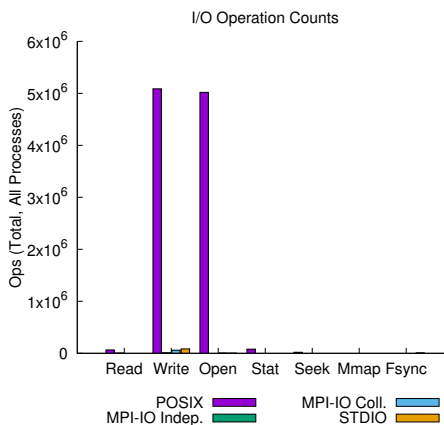
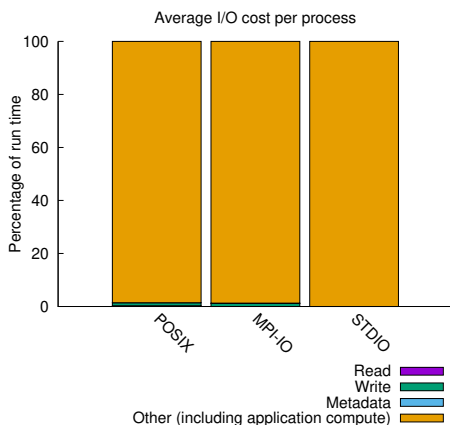


jobid: 1385124	uid: 14487	nprocs: 2048	runtime: 2573 seconds
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I/O performance *estimate* (at the MPI-IO layer): transferred **12594829.1 MiB** at **89347.95 MiB/s**  
 I/O performance *estimate* (at the STDIO layer): transferred **0.9 MiB** at **0.28 MiB/s**



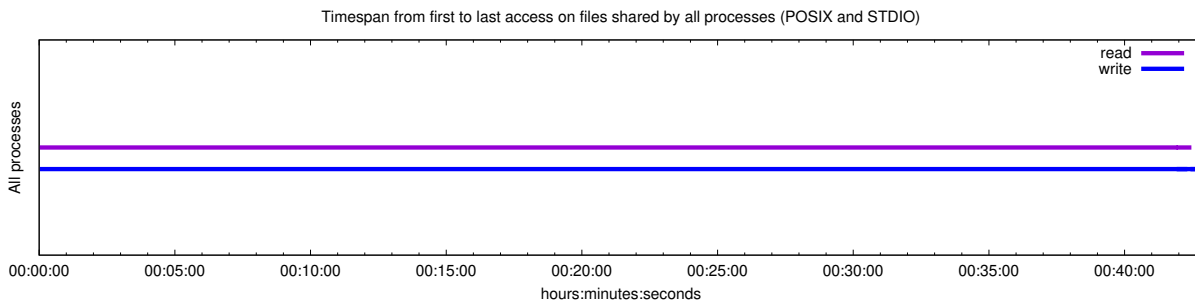
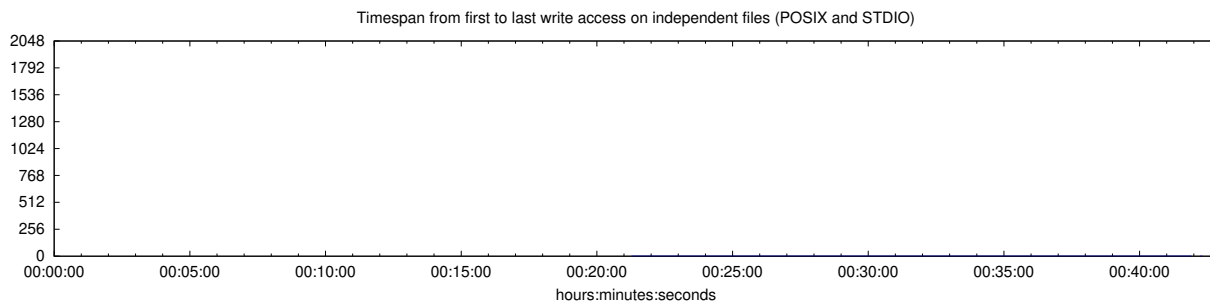
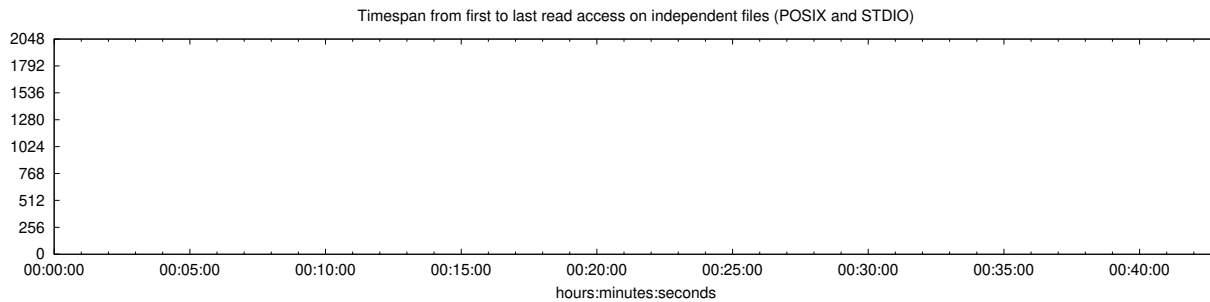
Most Common Access Sizes  
(POSIX or MPI-IO)

	access size	count
POSIX	20	884736
	66	688128
	19	688128
	179	294912
MPI-IO ‡	8245	12288
	16384	12288
	16512	12288
	384	8192

File Count Summary  
(estimated by POSIX I/O access offsets)

type	number of files	avg. size	max size
total opened	22530	350MiB	4.6TiB
read-only files	2048	9.2KiB	9.2KiB
write-only files	10242	595KiB	208MiB
read/write files	2050	3.8GiB	4.6TiB
created files	12292	641MiB	4.6TiB

‡ NOTE: MPI-IO accesses are given in terms of aggregate datatype size.

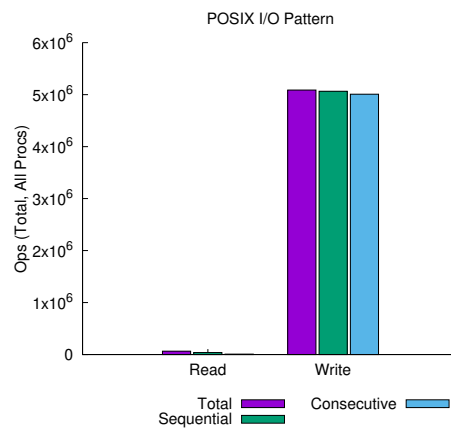


Average I/O per process (POSIX and STDIO)

	Cumulative time spent in I/O functions (seconds)	Amount of I/O (MiB)
Independent reads	8.12011718750017e-06	0.0134830474853516
Independent writes	0.00305906396484348	2.90653527155519
Independent metadata	0.00174321191406249	N/A
Shared reads	7.67658466845703	2306.67489624023
Shared writes	29.0255964785156	3840.22440410079
Shared metadata	0.0693415131835937	N/A

Data Transfer Per Filesystem (POSIX and STDIO)

File System	Write		Read	
	MiB	Ratio	MiB	Ratio
/lustre/orion	7865155.17294	0.99929	4724070.18750	0.99999
/	5576.14062	0.00071	27.61328	0.00001
UNKNOWN	0.85027	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	2048	236	20.772265	4.6GiB	1462	34.613149	4.6GiB	2.58	3.74e+04
...m.final.phdf	2048	3	7.990319	1.6GiB	308	14.635904	1.6GiB	0.897	3.74e+04
...<STDOUT>	2048	472	0.000006	38B	0	0.021830	792KiB	0	1.79e+04