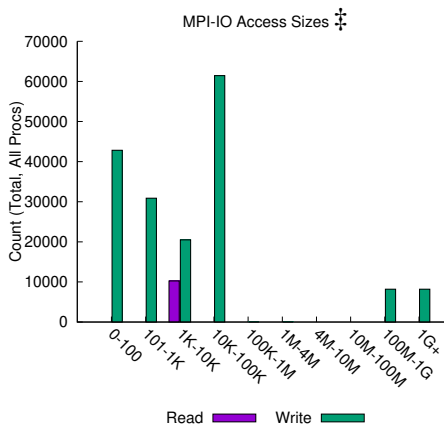
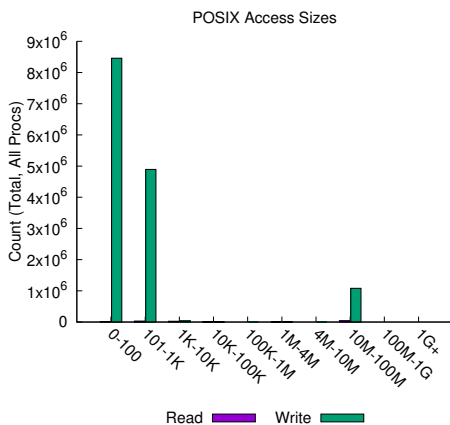
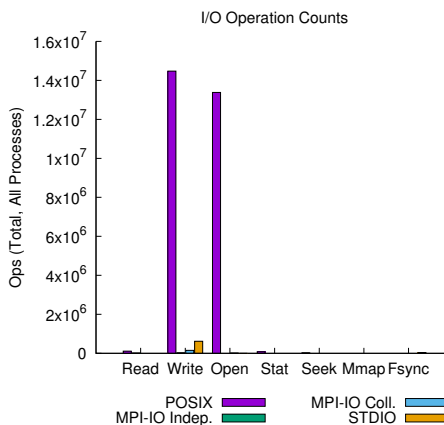
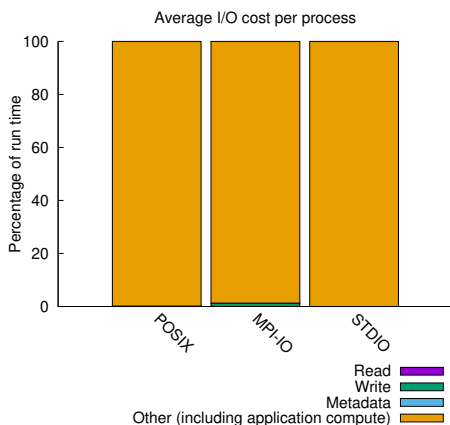


jobid: 1383704	uid: 14487	nprocs: 2048	runtime: 21174 seconds
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I/O performance *estimate* (at the MPI-IO layer): transferred **17902185.3 MiB** at **45711.10 MiB/s**  
 I/O performance *estimate* (at the STDIO layer): transferred **6.6 MiB** at **30.64 MiB/s**



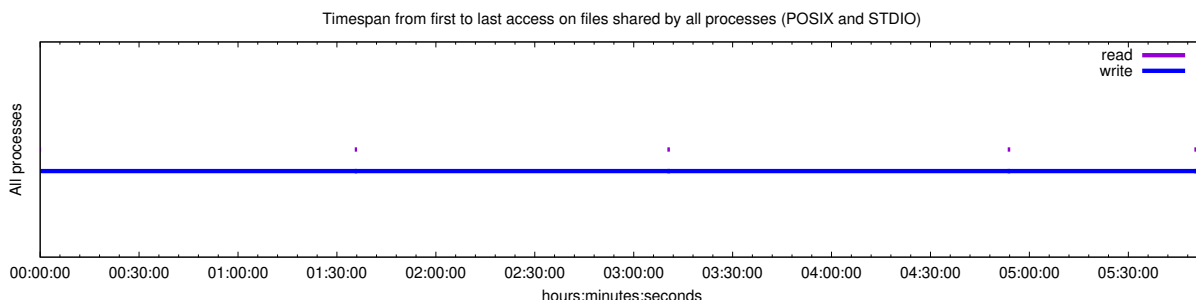
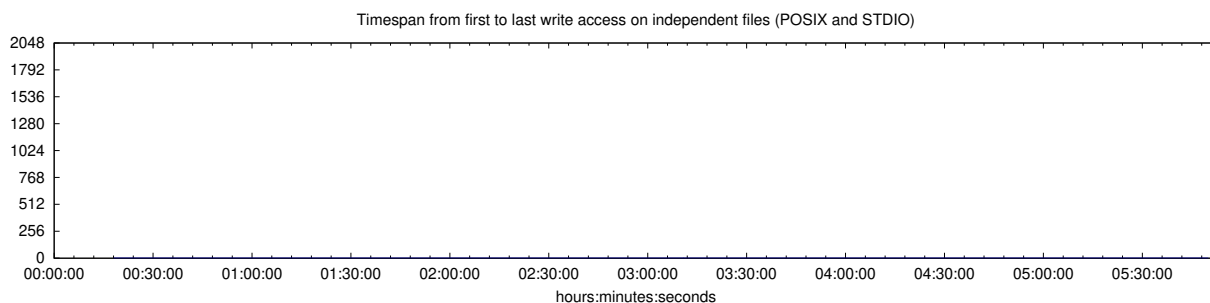
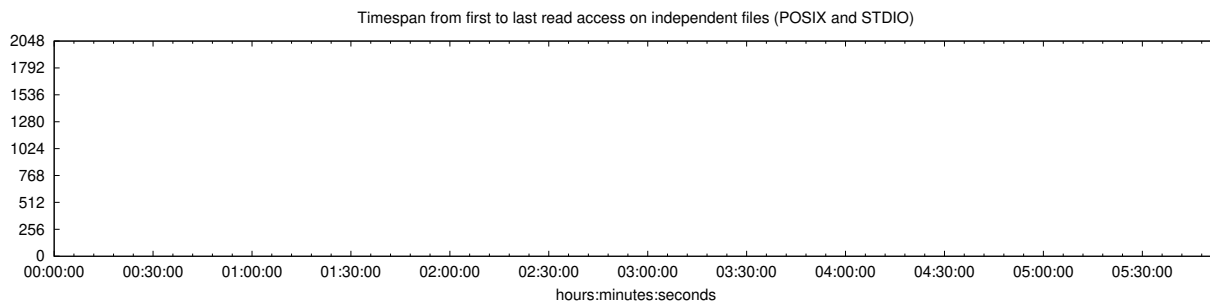
Most Common Access Sizes  
(POSIX or MPI-IO)

	access size	count
POSIX	20	2359296
	19	1867776
	66	1867776
	179	1179648
MPI-IO ‡	16512	30720
	16384	30720
	8245	30720
	384	20480

‡ 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	22541	795MiB	4.6TiB
read-only files	2049	288MiB	577GiB
write-only files	10247	657KiB	208MiB
read/write files	2053	8.3GiB	4.6TiB
created files	12300	1.4GiB	4.6TiB

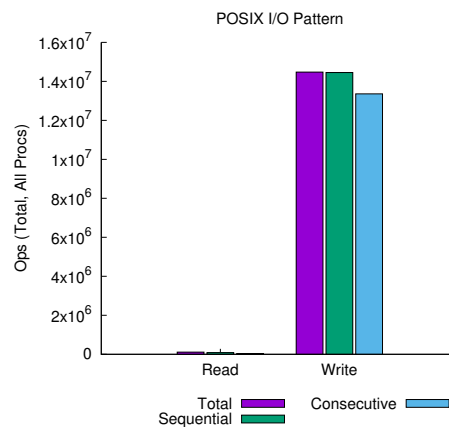


Average I/O per process (POSIX and STDIO)

	Cumulative time spent in I/O functions (seconds)	Amount of I/O (MiB)
Independent reads	8.03564453125016e-06	0.0134830474853516
Independent writes	0.00707769238281256	3.21120500424877
Independent metadata	0.000380755371093736	N/A
Shared reads	10.2678911987305	289.514906758908
Shared writes	22.6122614550781	8448.56504206732
Shared metadata	0.0317527583007812	N/A

Data Transfer Per Filesystem (POSIX and STDIO)

File System	Write		Read	
	MiB	Ratio	MiB	Ratio
/	5576.14062	0.00032	27.61328	0.00005
UNKNOWN	6.56122	0.00000	0.00000	0.00000
/lustre/orion	17303655.05216	0.99968	592926.52904	0.99995



*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	516	2.192870	25KiB	112	31.956895	37GiB	6.25	9.36e+09
...m.final.phdf	2048	1734	2.238856	25KiB	1472	27.149088	25GiB	4.32	6.24e+09
...m.00075.phdf	2048	344	2.230932	25KiB	96	22.993315	25GiB	4.31	6.24e+09
...m.00073.phdf	2048	129	2.355124	25KiB	336	22.920287	25GiB	4.35	6.24e+09
...m.00074.phdf	2048	42	2.193774	25KiB	1616	22.664851	25GiB	4.29	6.24e+09
...t.00018.rhdf	2048	0	1.526421	290MiB	402	16.024782	290MiB	3.28	1.87e+03
...<STDOUT>	2048	1070	0.000006	39B	0	0.179554	6.5MiB	0.004	1.5e+05