jobid: 22306218	uid: 104476	nprocs: 1	runtime: 75.5646 seconds

I/O performance *estimate* (at the POSIX layer): transferred 24839.9 MiB at 4091.34 MiB/s
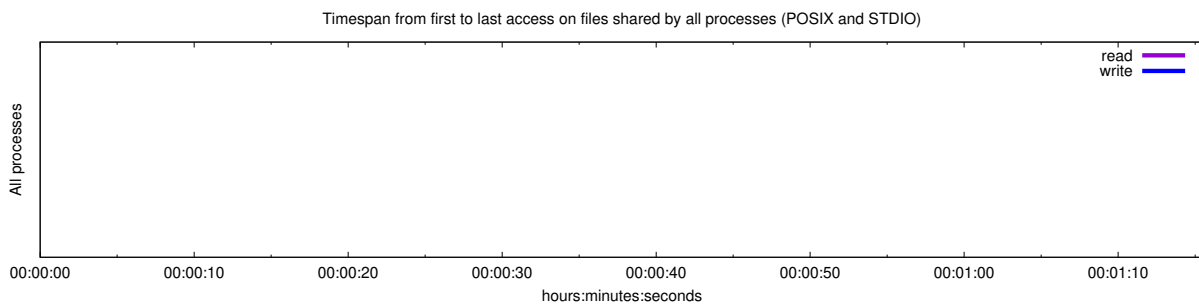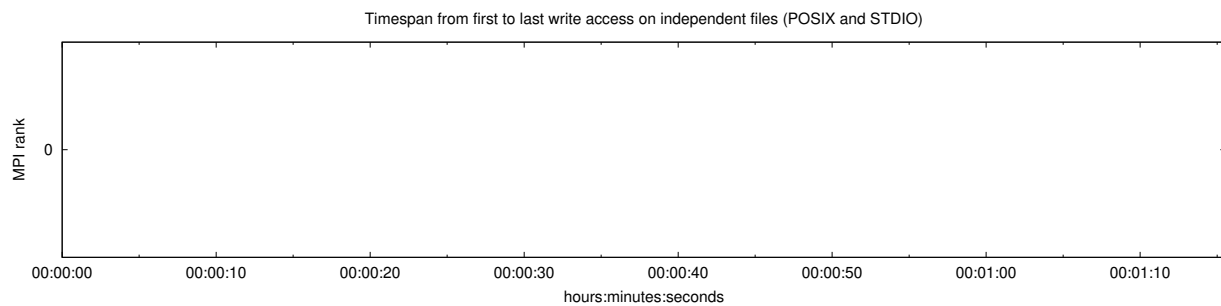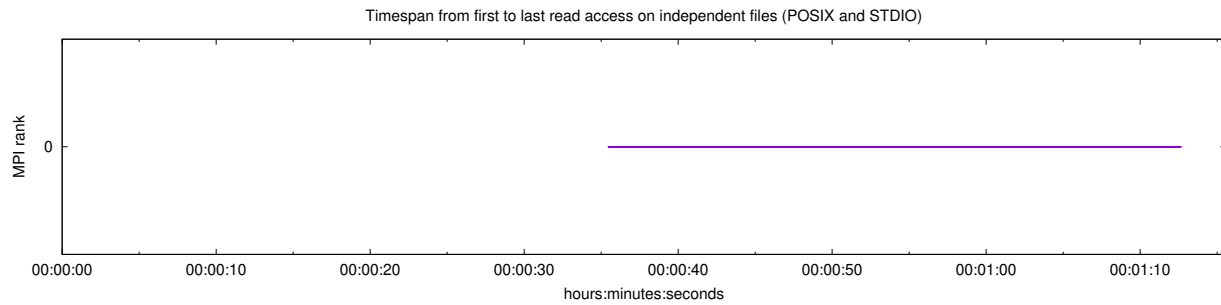I/O performance *estimate* (at the STDIO layer): transferred 0.0 MiB at 0.11 MiB/s

Average I/O cost per process

I/O Operation Counts
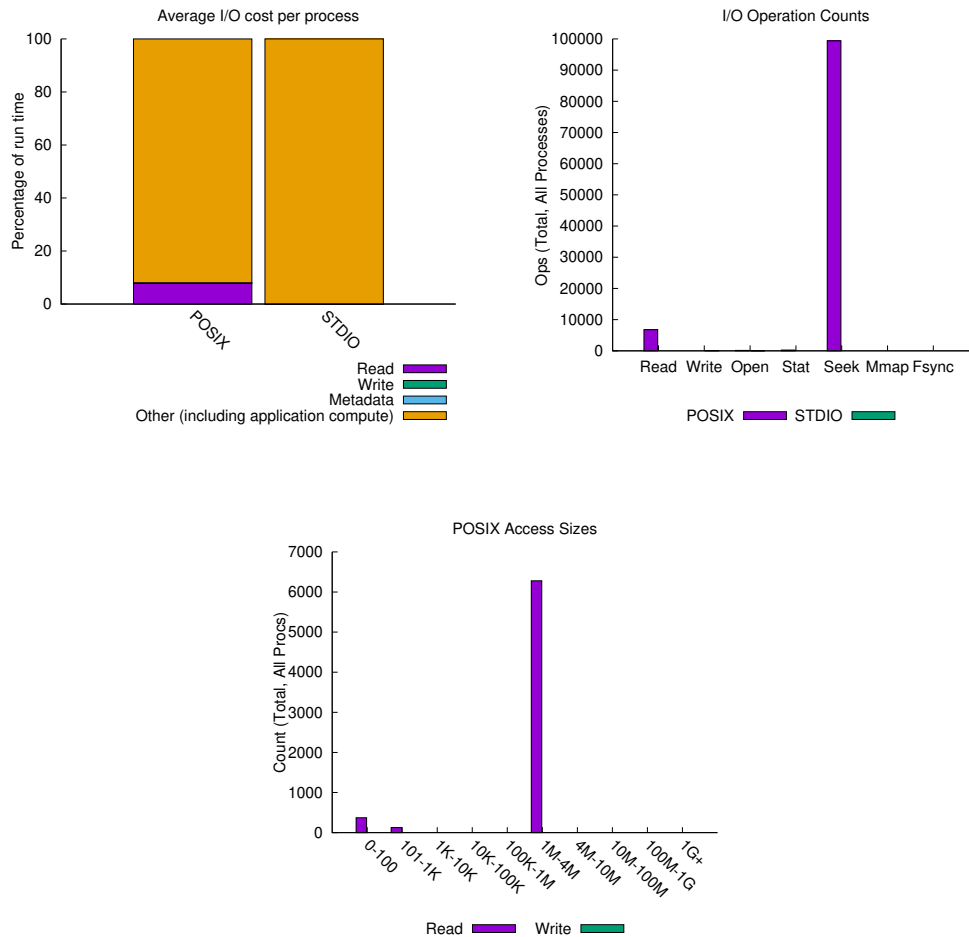
POSIX Access Sizes

Most Common Access Sizes
(POSIX or MPI-IO)

	access size	count
POSIX	4194304	6160
	124	120
	42	120
	1795511	100

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

type	number of files	avg. size	max size
total opened	42	58MiB	214MiB
read-only files	18	136MiB	214MiB
write-only files	24	156B	199B
read/write files	0	0	0
created files	24	156B	199B

/global/homes/n/nlewi26/.conda/envs/dlio_env/bin/python3.10
/global/common/software/m2621/nlewi26/.conda/envs/dlio_env/bin/dlio_benchmark workload=tensorflow_unet3d
++workload.workflow.generate_data=False ++workload.workflow.train=True

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 (MiB)
Independent reads	5.88844	24839.9206886292
Independent writes	0.005438	0.00355339050292969
Independent metadata	0.210642	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
/pscratch	0.00355	1.00000	24839.92069	1.00000

/global/homes/n/nlewi26/.conda/envs/dlio_env/bin/python3.10
/global/common/software/m2621/nlewi26/.conda/envs/dlio_env/bin/dlio_benchmark workload=tensorflow_unet3d
++workload.workflow.generate_data=False ++workload.workflow.train=True

POSIX I/O Pattern
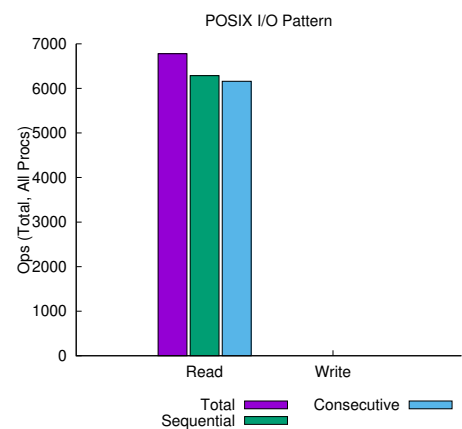
sequential: An I/O op issued at an offset greater than where the previous I/O op ended.
consecutive: An I/O op issued at the offset immediately following the end of the previous I/O op.

Variance in Shared Files (POSIX and STDIO)

File Suffix	Processes	Fastest			Slowest			σ	
		Rank	Time	Bytes	Rank	Time	Bytes	Time	Bytes

/global/homes/n/nlewi26/.conda/envs/dlio_env/bin/python3.10
/global/common/software/m2621/nlewi26/.conda/envs/dlio_env/bin/dlio_benchmark workload=tensorflow_unet3d
++workload.workflow.generate_data=False ++workload.workflow.train=True