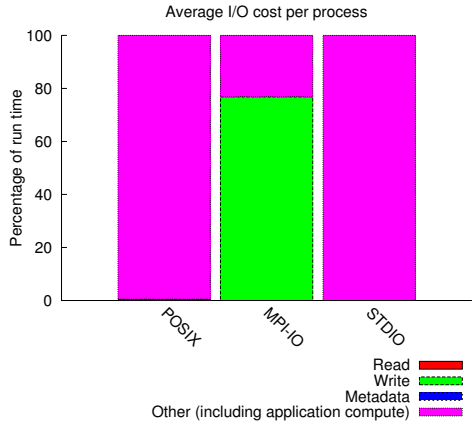
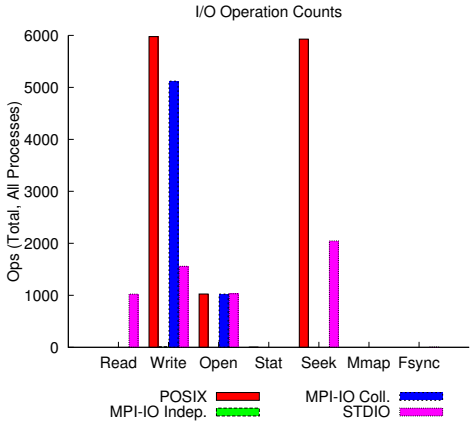
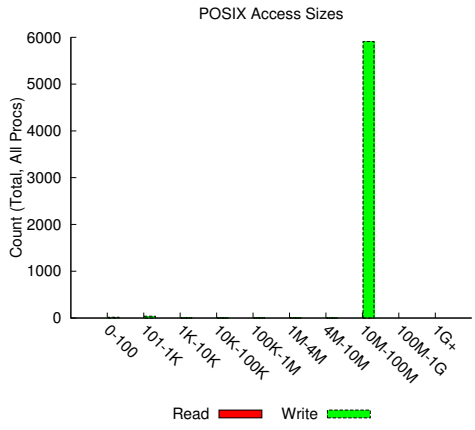
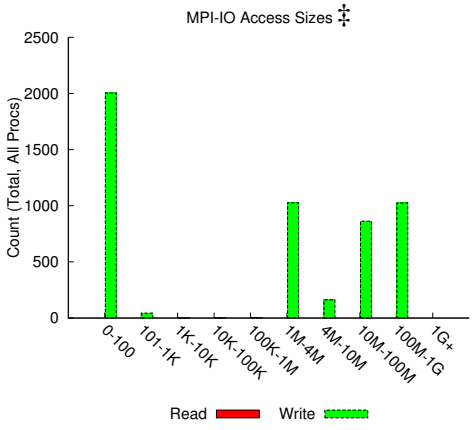
| jobid: 11563307 | uid: 76505 | nprocs: 1024 | runtime: 38 seconds |
|---|---|---|---|

I/O performance *estimate* (at the MPI-IO layer): transferred 931432 MiB at 6346.41 MiB/s
I/O performance *estimate* (at the STDIO layer): transferred 0.9 MiB at 37.26 MiB/s



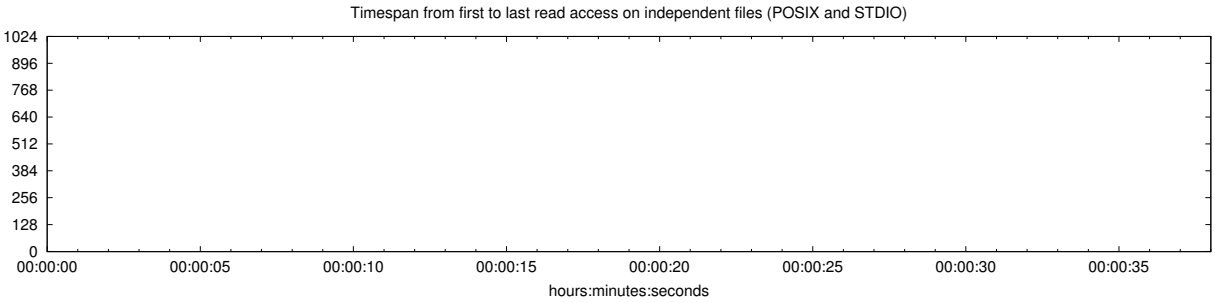
Most Common Access Sizes
(POSIX or MPI-IO)

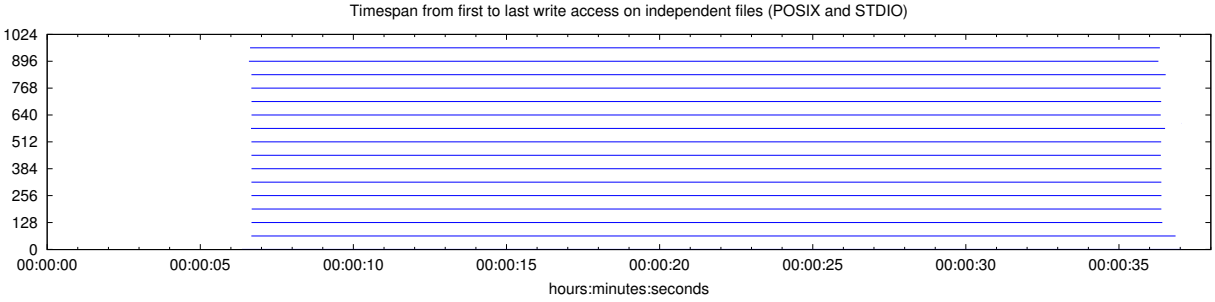
| | access size | count |
|---|---|---|
| POSIX | 33554432 | 5905 |
| | 40 | 8 |
| | 272 | 7 |
| | 544 | 7 |
| MPI-IO ‡ | 3773184 | 703 |
| | 1886592 | 320 |
| | 10267392 | 55 |
| | 11826432 | 53 |

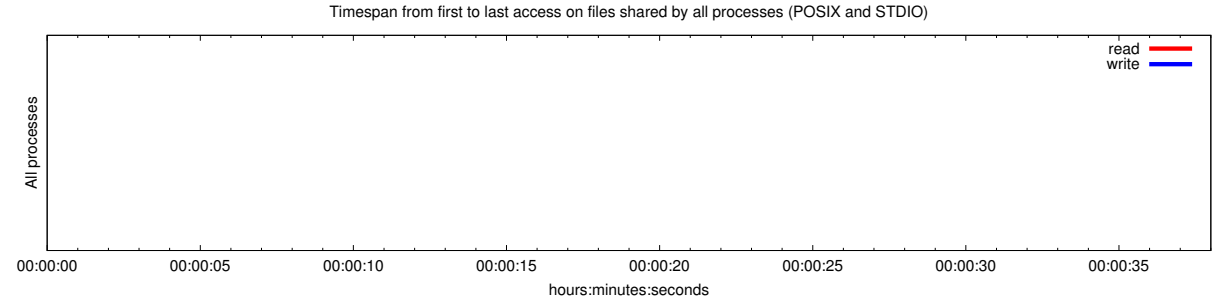
‡ NOTE: MPI-IO accesses are given in terms of aggregate datatype size.

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 | 871 | 871 |
| write-only files | 7 | 5.6K | 8.7K |
| read/write files | 0 | 0 | 0 |
| created files | 7 | 5.6K | 8.7K |



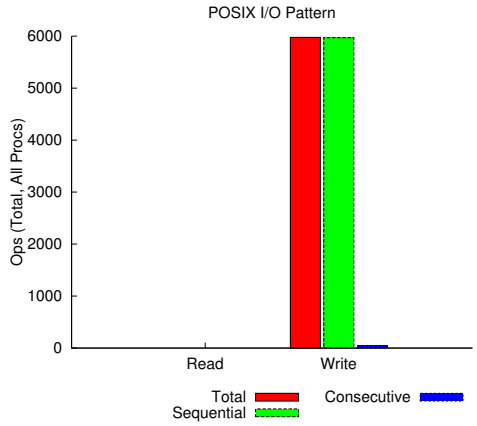




Average I/O per process (POSIX and STDIO)

| | Cumulative time spent in I/O functions (seconds) | Amount of I/O (MB) |
|---|---|---|
| Independent reads | 1.2822265625e-06 | 0.000830650329589844 |
| Independent writes | -0.675094084960938 | 184.64692171663 |
| Independent metadata | 0.0065190869140625 | 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 |
| UNKNOWN | 0.00290 | 0.00000 | 0.00000 | 0.00000 |
| /global/cscratch1 | 189078.44494 | 1.00000 | 0.85059 | 1.00000 |




*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 |