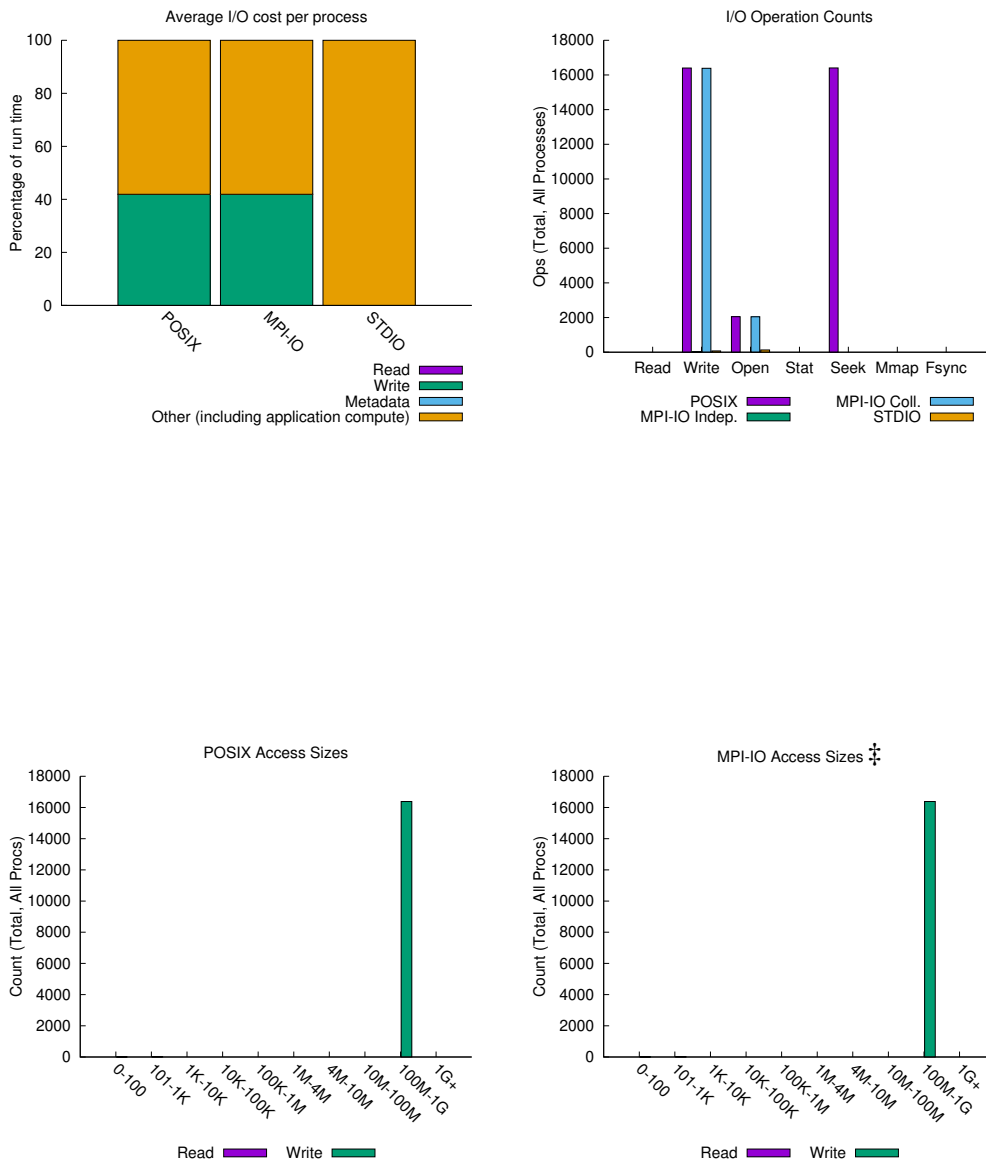


| | | | |
|----------------|------------|--------------|----------------------|
| jobid: 4478544 | uid: 69615 | nprocs: 2048 | runtime: 117 seconds |
|----------------|------------|--------------|----------------------|

I/O performance *estimate* (at the MPI-IO layer): transferred **2097152.0 MiB** at **24530.33 MiB/s**



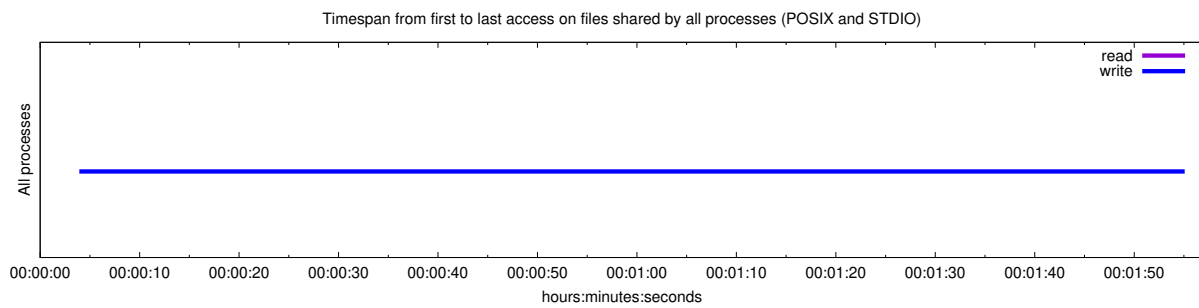
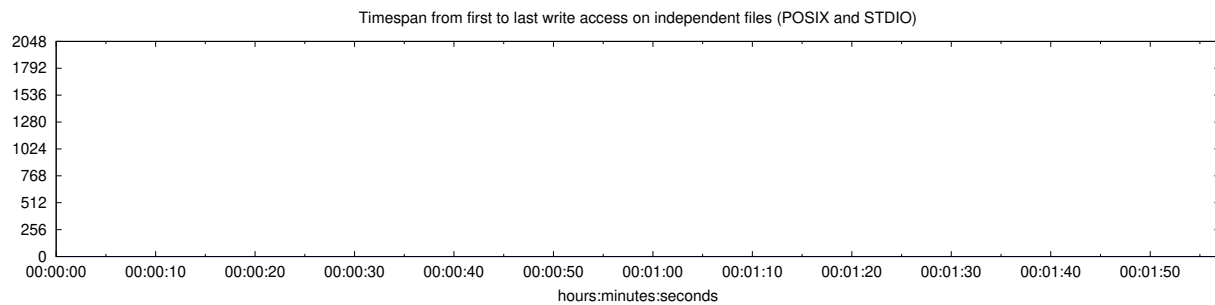
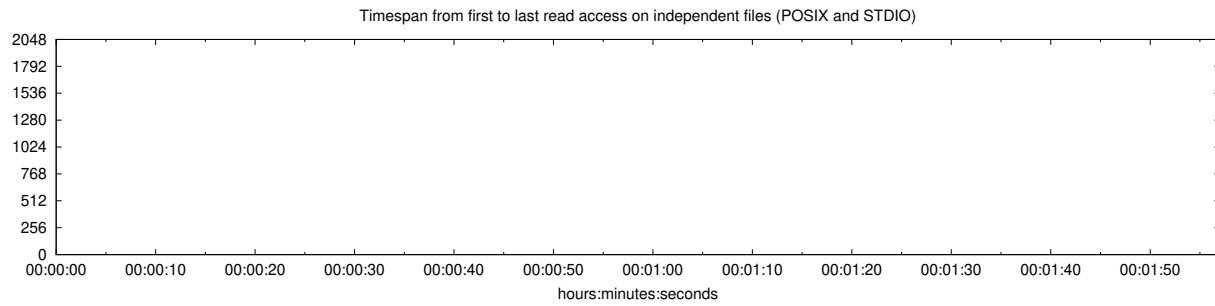
Most Common Access Sizes
(POSIX or MPI-IO)

| | access size | count |
|----------|-------------|-------|
| POSIX | 134217728 | 16384 |
| | 272 | 8 |
| | 328 | 2 |
| | 544 | 2 |
| MPI-IO ‡ | 134217728 | 16384 |
| | 272 | 8 |
| | 544 | 2 |
| | 328 | 2 |

‡ 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 | 3 | 683G | 2.1T |
| read-only files | 0 | 0 | 0 |
| write-only files | 2 | 1.1T | 2.1T |
| read/write files | 0 | 0 | 0 |
| created files | 2 | 1.1T | 2.1T |

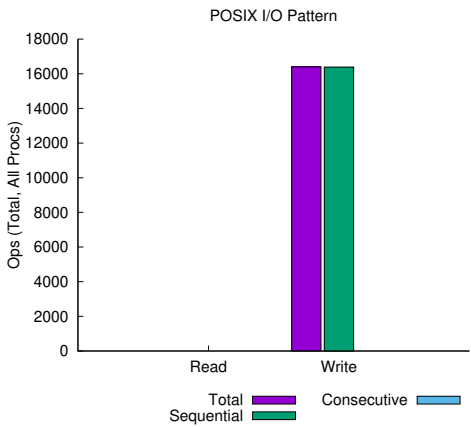


Average I/O per process (POSIX and STDIO)

| | Cumulative time spent in I/O functions (seconds) | Amount of I/O (MB) |
|----------------------|--|----------------------|
| Independent reads | 0 | 0 |
| Independent writes | -1.30016922167969 | 1.54087319970131e-06 |
| Independent metadata | 0 | N/A |
| Shared reads | 0 | 0 |
| Shared writes | 49.0222658310547 | 1024.00000205636 |
| Shared metadata | 0.0055179892578125 | N/A |

Data Transfer Per Filesystem (POSIX and STDIO)

| File System | Write | | Read | |
|-------------|---------------|---------|---------|---------|
| | MiB | Ratio | MiB | Ratio |
| /scratch2 | 2097152.00421 | 1.00000 | 0.00000 | 0.00000 |
| UNKNOWN | 0.00316 | 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 | | | σ | |
|-----------------|-----------|---------|-----------|-------|---------|-----------|-------|----------|-------|
| | | Rank | Time | Bytes | Rank | Time | Bytes | Time | Bytes |
| .../vpicio.hdf5 | 2048 | 597 | 20.436100 | 1.0G | 1312 | 85.474950 | 1.0G | 0 | 0 |