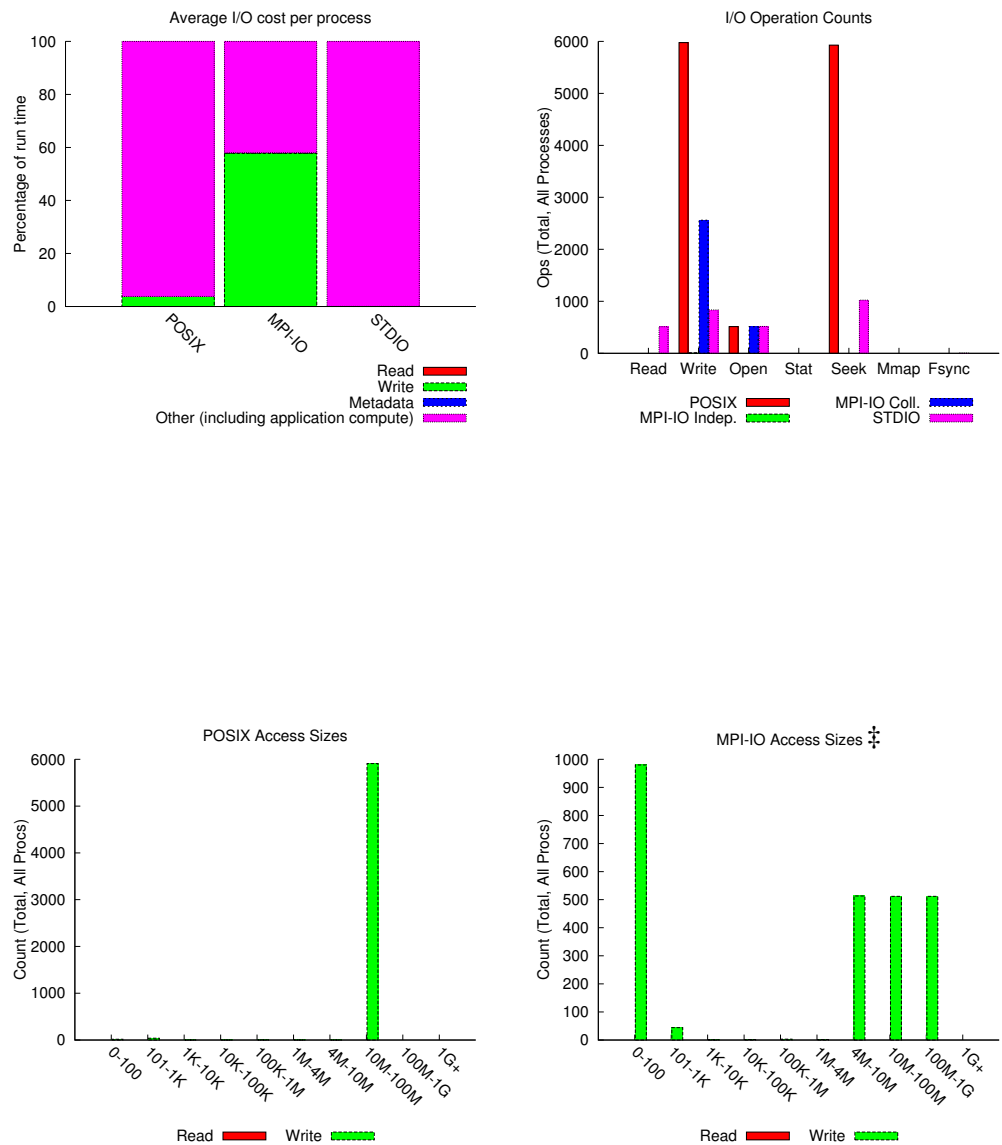


| | | | |
|-----------------|------------|-------------|---------------------|
| jobid: 11544403 | uid: 76535 | nprocs: 512 | runtime: 18 seconds |
|-----------------|------------|-------------|---------------------|

I/O performance *estimate* (at the MPI-IO layer): transferred **482461 MiB** at **17818.93 MiB/s**
I/O performance *estimate* (at the STDIO layer): transferred **0.5 MiB** at **33.62 MiB/s**



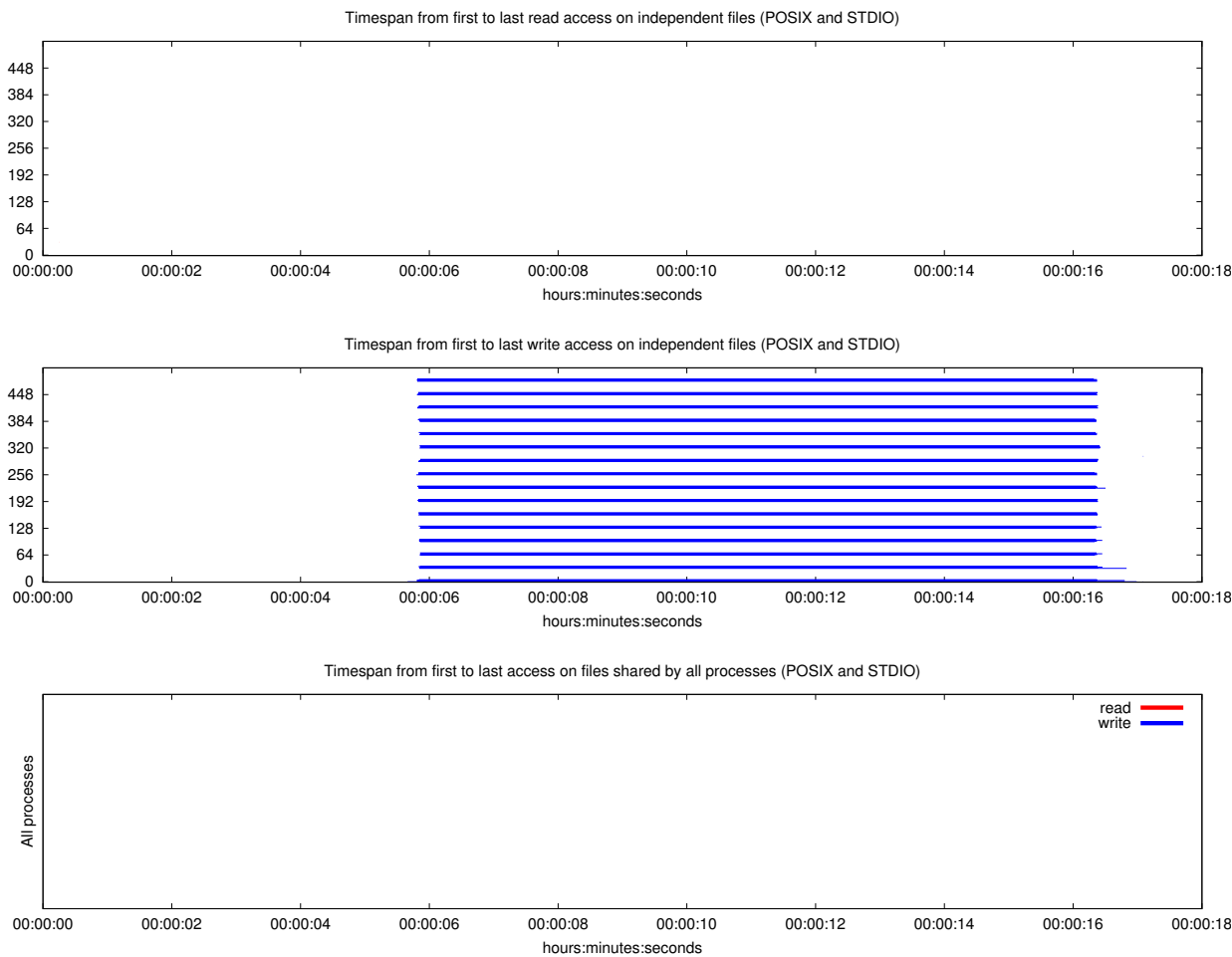
Most Common Access Sizes
(POSIX or MPI-IO)

| | access size | count |
|----------|-------------|-------|
| POSIX | 33554432 | 5905 |
| | 40 | 8 |
| | 544 | 7 |
| | 272 | 7 |
| MPI-IO ‡ | 5659776 | 319 |
| | 7546368 | 192 |
| | 21875712 | 31 |
| | 21657216 | 24 |

‡ 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 | 6 | 3.8K | 8.7K |
| read-only files | 1 | 899 | 899 |
| write-only files | 5 | 4.4K | 8.7K |
| read/write files | 0 | 0 | 0 |
| created files | 5 | 4.4K | 8.7K |

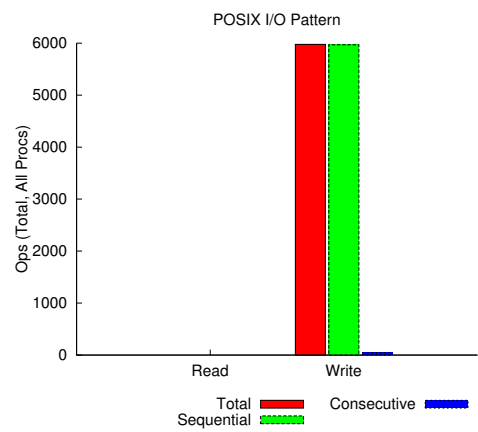


Average I/O per process (POSIX and STDIO)

| | Cumulative time spent in I/O functions (seconds) | Amount of I/O (MB) |
|----------------------|--|----------------------|
| Independent reads | 1.53906250000001e-06 | 0.000857353210449219 |
| Independent writes | -0.11610546875 | 369.293811107054 |
| Independent metadata | 0.005461888671875 | 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 |
| /global/cscratch1 | 189078.42839 | 1.00000 | 0.43896 | 1.00000 |
| UNKNOWN | 0.00290 | 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 |