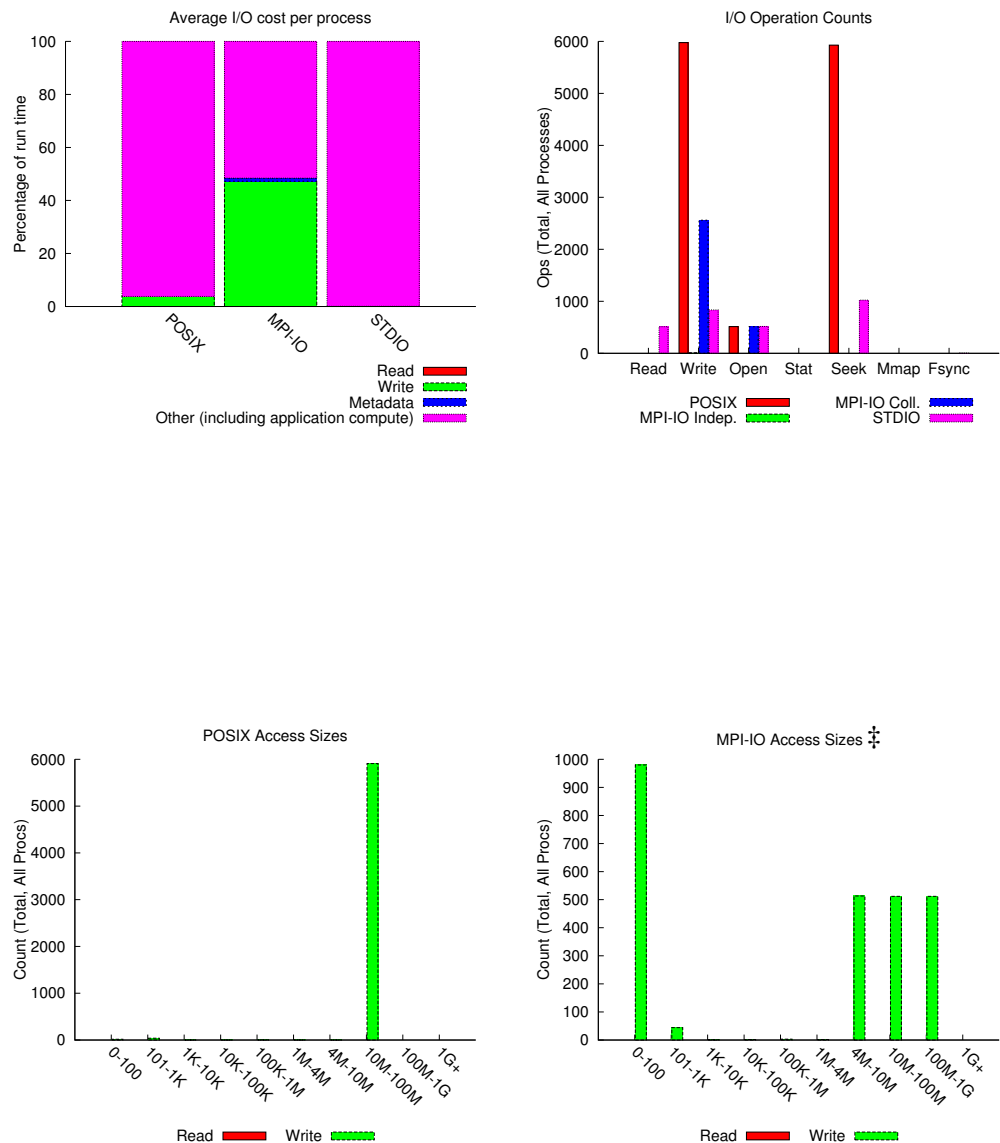


|                 |            |             |                     |
|-----------------|------------|-------------|---------------------|
| jobid: 11543437 | uid: 76535 | nprocs: 512 | runtime: 23 seconds |
|-----------------|------------|-------------|---------------------|

I/O performance *estimate* (at the MPI-IO layer): transferred **482466 MiB** at **16745.15 MiB/s**  
I/O performance *estimate* (at the STDIO layer): transferred **0.5 MiB** at **12.16 MiB/s**



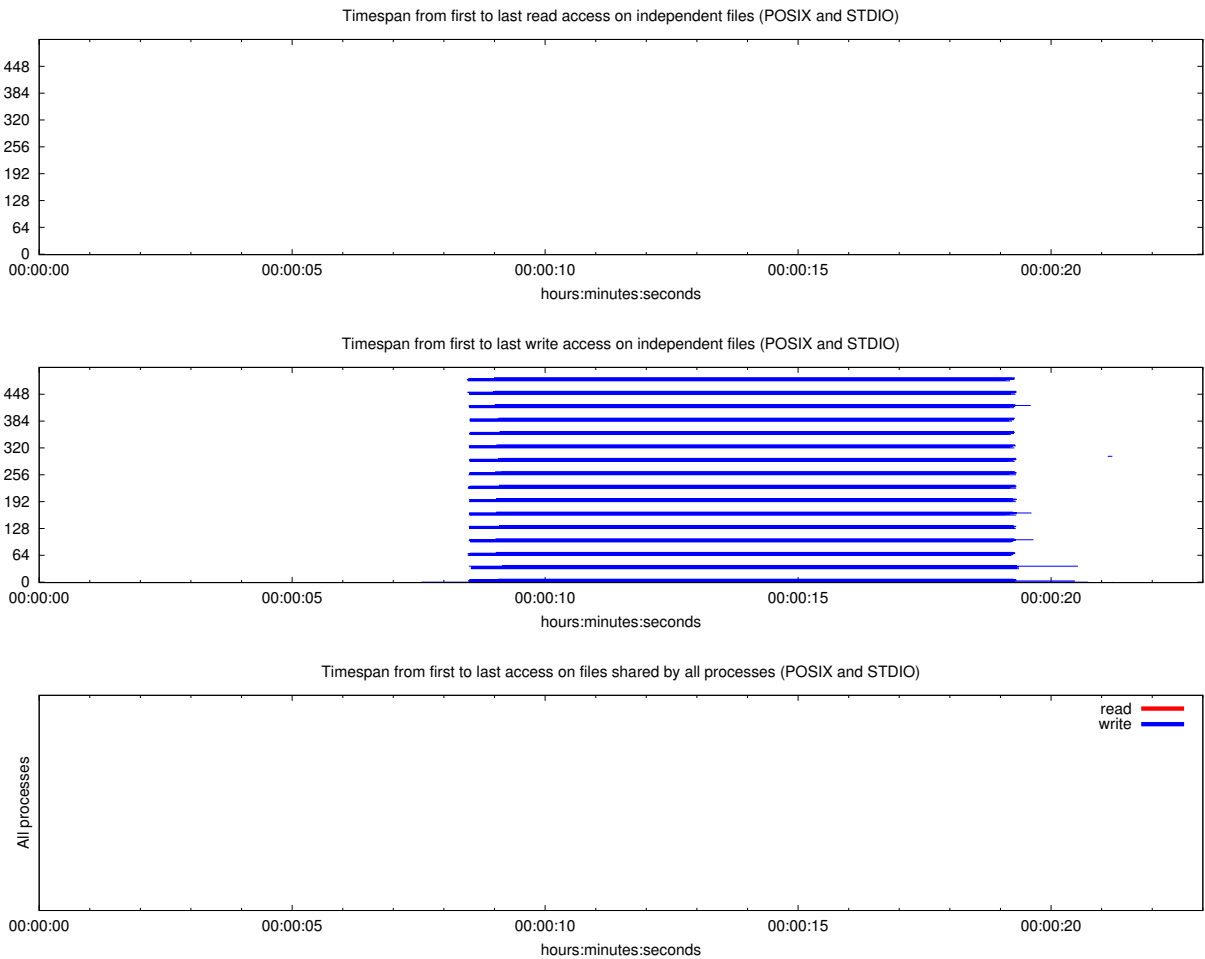
Most Common Access Sizes  
(POSIX or MPI-IO)

|          | access size | count |
|----------|-------------|-------|
| POSIX    | 33554432    | 5905  |
|          | 40          | 8     |
|          | 272         | 7     |
|          | 544         | 7     |
| MPI-IO ‡ | 5659776     | 319   |
|          | 7546368     | 192   |
|          | 21875712    | 31    |
|          | 21446400    | 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     |

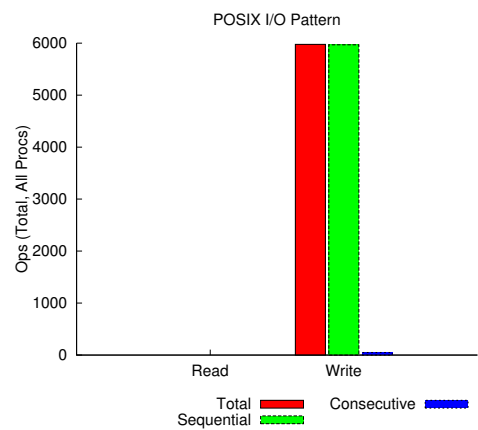


Average I/O per process (POSIX and STDIO)

|                      | Cumulative time spent in I/O functions (seconds) | Amount of I/O (MB)   |
|----------------------|--|----------------------|
| Independent reads    | 1.40820312500001e-06                             | 0.000857353210449219 |
| Independent writes   | -0.113185044921875                               | 369.293811116368     |
| Independent metadata | 0.014104822265625                                | 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 | 189078.42839 | 1.00000 | 0.43896 | 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 |