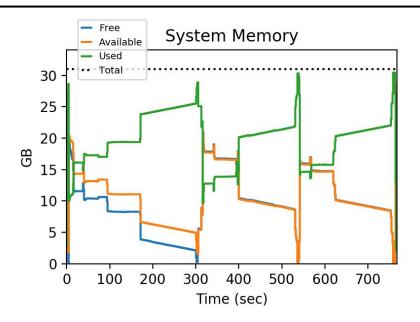
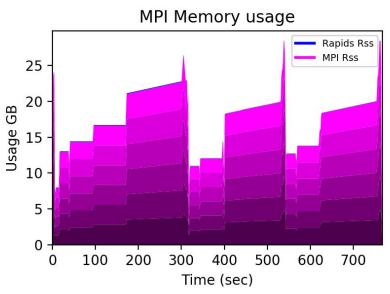
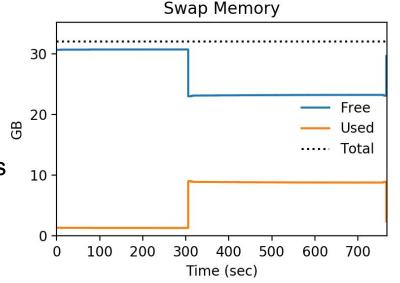
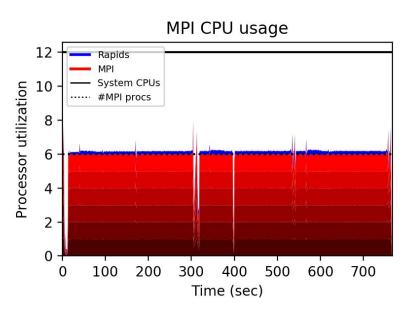
Based on Python psutil

- Cross-platform
- Free, Open-source
- /proc filesystem-based
- Highly configurable
 - System memory
 - Swap memory
 - Per-Process memory
 - RSS, PSS, USS
 - System load-avg
 - CPU times (user, system)
 - Threads
 - I/O
 - Context switches
 - System calls
 - Network stats
- JEDI-Rapids polls at regular intervals
 - Saved as Python pickle
 - plots are post-processed

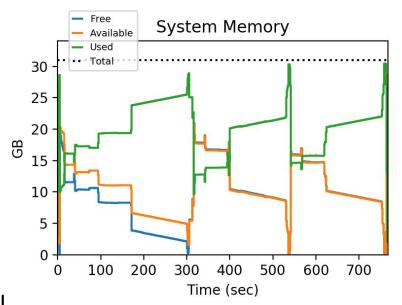


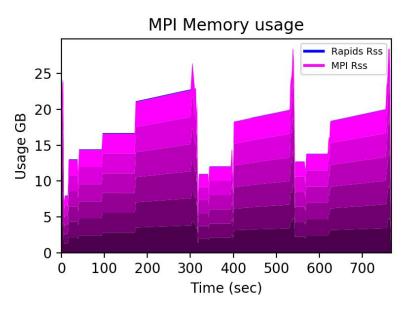


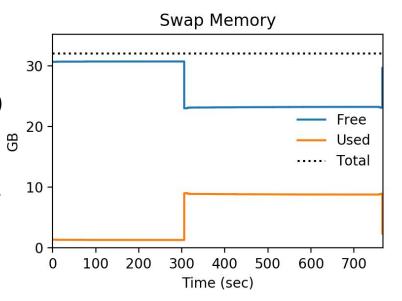


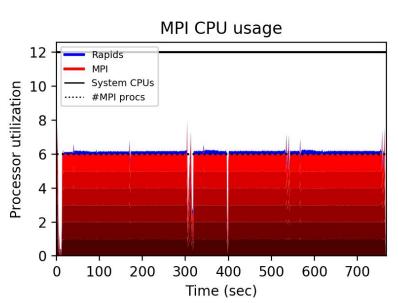


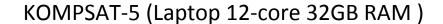
- No proprietary software
- No instrumentation of code
- No recompiling or special flags
- Full operational performance
- Works with any language
 - Fortran, C++, Python, etc.
- Works on any system with no special external libraries
- Works on laptops, in the cloud, and on multi-node MPI jobs (aggregation)
- Comparison between runs,
 machines, problem sizes, algorithms.

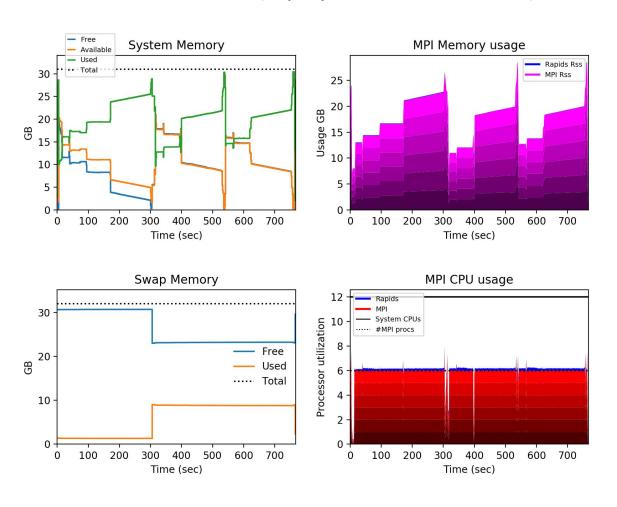




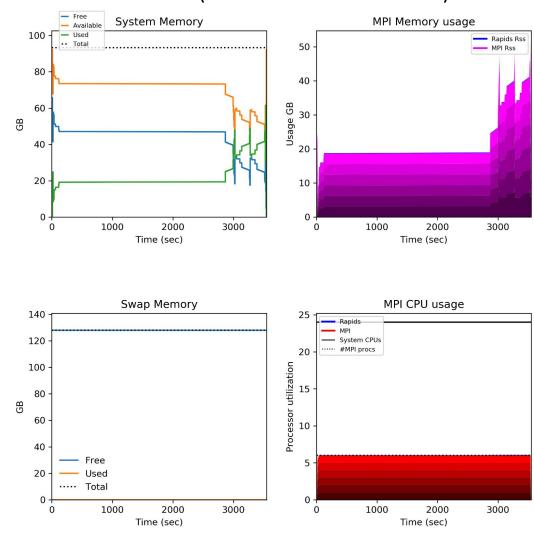








COSMIC-2 (AWS 24-core 92GB RAM)



GFS Regrid C768 -> C384 (AWS 24-core 96GB RAM) [w/ Background Load]

