

Compute Clusters

fire "Microway 2U Server" Xeon 4210 2.2GHz 16-core 23GB RAM 70TB disk

fire-nodes:

1-16 "Microway 2U chassis" Xeon 6132 2.6GHz 56-core 196GB RAM 1.7TB

SAS FIRE compute nodes for 28-way parallel jobs

fire totals: ~2.6 MHz CPU w/ 896 core + 3.1TB RAM + 71.1TB storage

spark "Microway 2U Server" Opteron 6238 2.6GHz 8-core 16GB RAM 3.5TB disk

spark-nodes:

1-35 "Microway 2U chassis" Opteron 6238 2.6GHz 24-core 96GB RAM 1.7TB

SAS STAR compute nodes for 24-way parallel jobs

spark totals: ~2.6 MHz CPU w/ 840 core + 3.5TB RAM + 60.1TB storage

star "Microway 2U Server" Opteron 6128 2.0GHz 8-core 16GB RAM 3.5TB disk

star-nodes:

1-7 "Microway 2U chassis" Opteron 6174 2.2GHz 24-core 80GB RAM 600GB

SAS STAR compute nodes for 24-way parallel jobs

8-30 "Microway 2U chassis" Opteron 6134 2.3GHz 16-core 32GB RAM 1.2TB

SAS STAR compute nodes for 16-way parallel jobs

31-35 "Microway 2U chassis" Opteron 6174 2.3GHz 16-core 16GB RAM

1.2TB SAS STAR compute nodes for 8-way parallel jobs

star totals: ~2.3 MHz CPU w/ 624 core + 1.4TB RAM + 41.3TB storage

Cumulative HPC totals at Emerson Center:

2272 compute cores @ ~2.5GHz CPU + 8TB RAM + 172.5TB storage