

Partitions

Some partitions are limited to certain groups (see Notes column)

Greenplanet Partitions (gplogin2/gplogin3)

[Partitions in **blue** are best for general use]

[Partitions in **red** are only on the side being upgraded to Rocky 8/Alma 9 (gplogin1)]

| Partition | Nodes | CPU Arch | GFLOPS/core | Cores/node | RAM | Disk | Notes |
|---------------|-----------|--------------------------------------|-------------|--------------------------------------|----------------------------------|----------------------------------|---|
| atlas | 8 | Intel (Westmere) 2.4/2.9 GHz | ~11 | 8-12 | 24G | 0.2-7T | ATLAS (Taffard, Whiteson) |
| brd2.4 | 6 | Intel (Broadwell) 2.4 GHz | | 28 (4 nodes) 20 (2 nodes) | 128G (28C) 256G (20C) | 372G (28C) 1.1T (20C) | c-14-10,c-14-12 (28C) c-19-[411-414] (20C) |
| cas2.5 | 4 | Intel (Cascade Lake) 2.5 GHz | | 40 | 192G | 400G SSD | Wodarz |
| cas3.6 | 1 | Intel (Cascade Lake) 3.6 GHz | | 16 | 1.5T | 1.7T SSD | Primeau |
| has2.5 | 4 | Intel (Haswell) 2.5 GHz | | 24 | 128G | 372G | |
| ilg2.3 | 46 | AMD (Interlagos) 6276 2.3 GHz | 18.4 | 32* | 128G | 900G | *32 FP cores, 64 Integer cores |
| m-c1.9 | 10 | AMD (Magny-Cours) 6168 1.9 GHz | 7.6 | 48 | 64G | 900G | |
| m-c2.2 | 2 | AMD (Magny-Cours) 6174 2.2 GHz | 8.8 | 48 | 64-128G | 1.4T | |

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|---------------|------------|---|-------------|--------------|----------------|-----------------|--------------------------------------|
| nes2.8 | 214 | Intel (Nehalem/Westmere) 2.7/2.8 GHz | ~11 | 8-12 | 12-48G | 100-500G | |
| sib2.9 | 45 | Intel (Sandy-/Ivy-Bridge) 2.8/2.9 GHz | ~23 | 16-20 | 32-128G | 900G+ | |
| sky2.4 | 13 | Intel (Skylake) 2.4 GHz | | 40 | 96G | 220-740G | Moore & Randerson nodes |
| sky3.0 | 7 | Intel (Skylake) 3.0 GHz | | 24 | 384G | 1.6T SSD | Lowengrub |
| wodarz | 4 | Intel (Broadwell) 2.4 GHz | | 28 | 128G | | Wodarz |
| gpu | 2 | Intel (Haswell) 2.4 GHz + 8 Nvidia TitanX GPUs | | | | | Mobley, Poulos |
| kn1.3 | 2 | Intel (Knights Landing) | | 64 | 48G | | 4 threads/core, no Infiniband |

There is also a special partition called "scavenge" that is intended to make use of otherwise idle nodes. Scavenge contains all the free-access nodes, but jobs may get preempted (killed) by high priority jobs. It must be used with the qos "scavenger".

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