|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| number of processors | Occupied nodes(%) on the machine w/ requesting 6hr | | Occupied nodes(%) on the machine w/ requesting 12hr | |
| 87.10% | 94.80% | 86.39% | 94.72% |
| 16 | 0:01:05 | 10:45:29 | 0:01:06 | 16:27:00 |
| 32 | 0:00:54 | 14:17:52 | 0:00:55 | 17:09:11 |
| 48 | 0:00:43 | 14:32:42 | 0:00:44 | 17:28:57 |
| 64 | 0:00:31 | 14:57:22 | 0:00:32 | 17:31:00 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| number of processors | Occupied nodes(%) on the machine w/ requesting 3hr | | Occupied nodes(%) on the machine w/ requesting 4hr | |
| 91.80% | 98.72% | 91.29% | 98.63% |
| 16 | 0:00:07 | 0:00:07 | 10:24:27 | 11:19:18 |
| 32 | 0:00:10 | 0:00:10 | 10:29:10 | 11:18:47 |
| 48 | 0:00:06 | 0:00:06 | 10:28:40 | 11:18:15 |
| 64 | 0:00:06 | 0:00:06 | 10:28:13 | 11:17:46 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| number of processors | Wall time limit with 92±6% workload (Ranger) | | | | |
| 1 hr | 2 hr | 4 hr | 6 hr | 12 hr |
| Waiting time on the queue (sec) | | | | |
| 16 | 9082 | 9989 | 39151 | 65 | 66 |
| 32 | 16389 | 15371 | 11376 | 54 | 55 |
| 48 | 9937 | 13264 | 37780 | 43 | 44 |
| 64 | 9777 | 9944 | 39855 | 31 | 32 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| number of processors | Wall time limit with 95±4% workload (Queenbee) | | | | |
| 1 hr | 2 hr | 4 hr | 6 hr | 12 hr |
| Waiting time on the queue (sec) | | | | |
| 16 | 11 | 10 | 40758 | 6 | 1818 |
| 32 | 10 | 10 | 40727 | 5 | 12686 |
| 48 | 10 | 10 | 40695 | 5 | 12703 |
| 64 | 5 | 10 | 40666 | 5 | 12658 |