Tri-Laboratory and University Alliance Center scientists and engineers primarily access the LLNL ASC systems through an automated resource management and accounting tool that obeys a developed policy for routine computing. When necessary, users may also receive expedited access to the systems that would allow them to run larger problems for longer periods of time. This is allowed under normal scheduling mechanisms. The "non-routine" runs need to be justified on the basis of their priority to the program. The current hierarchy of priorities follows:

Policies for Expedited Priority Runs on LLNL ASC Platforms

A. General guidance from the ASC Program Office for the priorities of the work:

1. CCC projects.
2. Stockpile Stewardship Program (SSP) or University Alliance Center milestone or "site-visit" runs.
3. SSP Priority calculations.
4. "Big science" calculations.
5. Code development in support of above, or systems tuning for performance.
6. Anything ASC related.
7. All other runs.

   Finer-grained decisions (for instance, between competing candidates in the same category) will be mediated during the Priority Runs scheduling meetings and resolved, if necessary, by appeal to the LLNL ASC Program Office.

B. Policies for scheduling large runs:

1. Prime time (8 a.m.–5 p.m.) scheduling is considered to be exceptional (relatively rare). The preferred day of the week is the day of the normal preventive maintenance (PM) for the machine for these runs. It is preferred that debug runs in preparation for priority runs be requested for scheduling after the weekly scheduled Preventive Maintenance time.
2. Full machine or expedited priority runs will be scheduled during evenings and weekends to the extent possible.
3. Expedited Priority runs will be announced at least 3 days in advance.
4. Dedicated time (for both daytime and off-hour runs) will be announced at least 3 days in advance.
5. Regular batch work will be re-enabled whenever dedicated runs are completed or cannot continue.

6. Requests for expedited priority runs should be made at least several hours in advance of the weekly LC "Priority Runs" meetings via https://computing.llnl.gov/?set=forms&page=ASC_dat_form

C. Exceptions and authorities for granting exceptions:

When exceptions to the policies are desired, they must be approved by one of the following authorities

1. LLNL ASC Program Office (McCoy, Kissel)
2. LC management (McCoy, Seager, or Quinn)