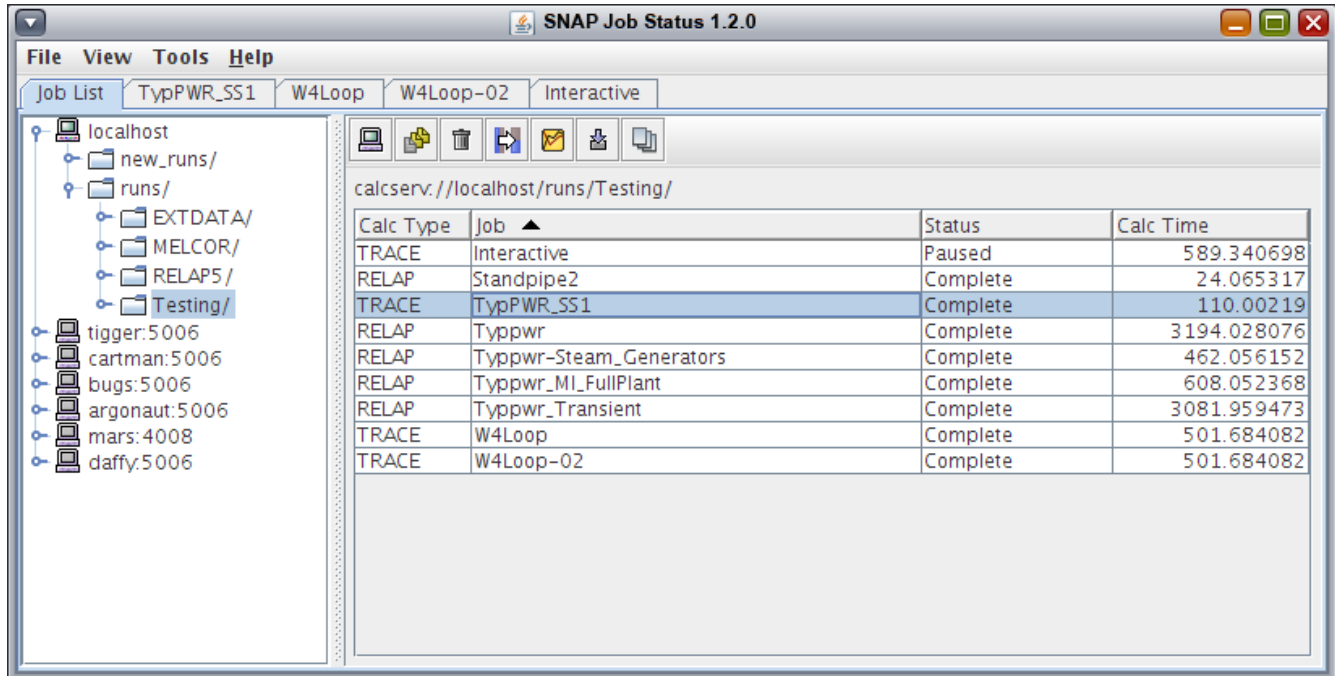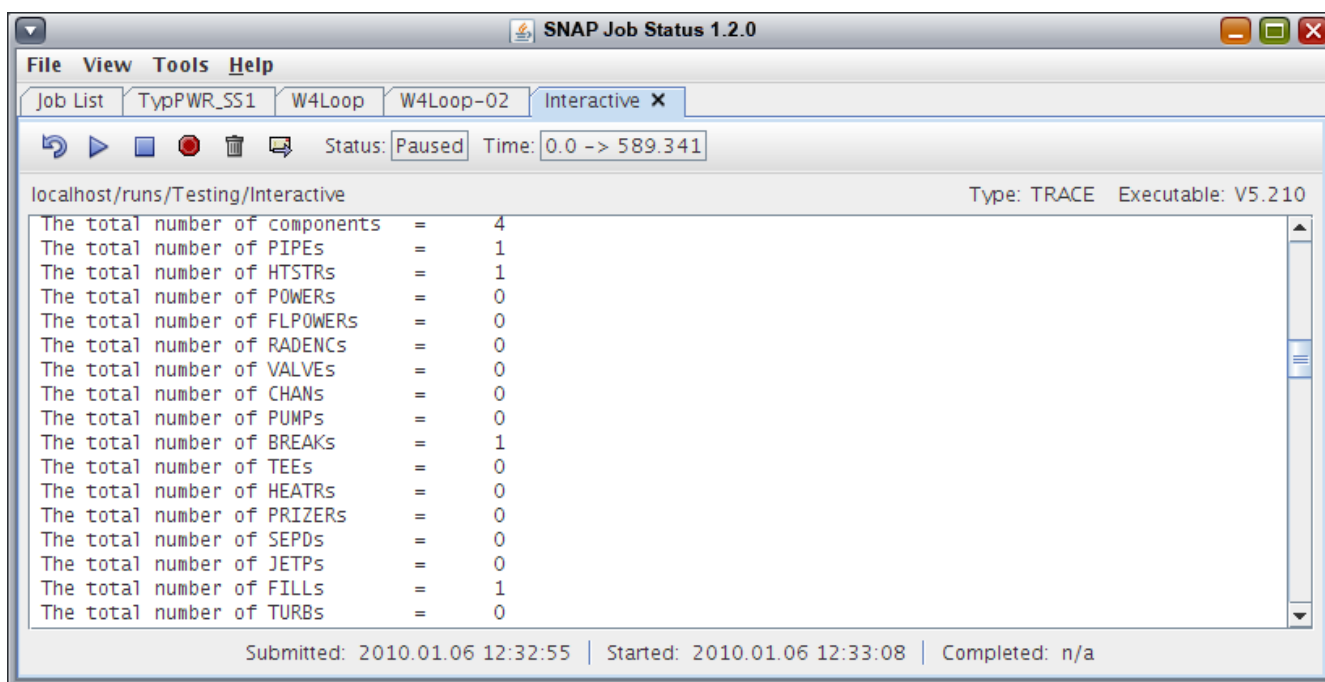# SNAP 1.2.0 Improvements

A number of improvements have been completed for the 1.2.0 SNAP release. The most obvious of these is the Job Status user interface which was redesigned to include to include the previous Job Console window features.

Experienced SNAP users will notice a number of changes. These include the following improvements along with some other changes that may not be immediately apparent:

- A new Job Status tool-bar was added for frequently used features that previously appeared only in pop-up menus. This toolbar includes Delete, Release, Demultiplex, Plot, View Files, etc.

- An "Open Job Status" button 🖥 was added to the ModelEditor main toolbar to allow Job Status to be opened or activated quickly. If the ModelEditor's currently displayed model is an Animation, a console will also be opened for the master data source.

- Job Console windows now appear as tabs inside the Job Status window rather than separate windows. Combining these two applications allows the user to manage all of their jobs in a single application that shifts quickly from browsing sets of jobs to examining one job in detail.

- The Job Console was also redesigned to create a more intuitive user interface. All of the features available for a job are now available as toolbar buttons at the top of the job's console. The console also includes all of the information available about the job such as its status (Pause, Running, etc.), its type (RELAP5, TRACE, etc.), the executable used to run it, when it was started, etc. The new interface is intended to allow job summary information to be examined without having to hunt through additional menus.

- Opening a job console for a job now fetches all of the screen output for the job when the console is opened rather than just echoing messages written by the application after the console is opened. This means that the console for a long running job can be closed and re-opened later without missing any messages displayed in the mean time.

- A *Select In Job List* button was added to the job console. This button will expand the Job List to the containing folder and select the job in the table.

- When opening a Job Console from outside of Job Status (such as from a submit dialog), the Job Tree will also expand to the folder that contains the job and the job will be selected in the Job Table.

A significant update was also made to the SNAP infrastructure for this release. The CORBA-based network communication library that SNAP used for communication between applications has been replaced with a more lightweight, faster, and more robust system. This update provides a significant improvement in the responsiveness and reliability of communications between the individual SNAP applications.