

## CERES SCF STATUS

<i>Description</i>	<i>February 13, 2002 Status</i>	<i>Problems</i>
<b>1250 Network Upgrade</b>	<p>We have not received an ETA of the GigE cards required prior to transitioning over the three remaining systems to the new network.</p> <p>The servers in Building 1250 will experience sporadic network outages the weekend of February 16 since some of the cables in the network cabinet have to be rerouted. The network cabinet is located in the server room.</p> <p>Prior info: A special Network Upgrade meeting was held on 10/31/01. Network Support has been using old drawings depicting what was to be accomplished in phase 1. This included areas that have since been excluded from phase 1 of the building rehab (such as the rooms from Jim Kibler's office down to Chris Currey's office). The problem with upgrading these rooms to Cat5 now is they contain asbestos ceiling tiles. Network Support is going to get an estimate for the removal of those tiles. We will then re-address the issue of having those areas upgraded to Cat5. Network Support also has indicated that there will be some network outages required to complete the work that is now in progress.</p> <p>The network upgrade started in the trailers last Monday (Oct 1). The original start date slipped a little due to the increased security procedures on the center. The upgrade will include all of the trailers and the back-half of the 1st and 2nd floor offices in Building 1250 along with the server room. Fast Ethernet will be installed to the desktops (100Mbps) and Gigabit Ethernet (1000Mbps) to the servers in the server room.</p> <p>This upgrade will not include any of the buildings included in the first phase of the rehab. The rehab will incorporate the second phase of the CAT 5 upgrade.</p>	

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<b>SUN Upgrades</b>	<p>Work continued this past two weeks on clearing up problems with the second boot server for the 128.155.x.x network. As previously indicated, the boot server for the 146.165.21.x subnet will not work since systems cannot be jumped across subnets.</p> <p>During the testing phase of the new optical disk drive, the user encountered problems that the System Administration group are now looking into. The time frame required for resolution of these new issues is unknown.</p> <p>Prior info: One of the new optical disk drives has been installed and tested on a Solaris 8 system onsite by the System Administrators. Complete testing by an end user should occur this month. After complete testing, other SUN systems will be upgraded to Solaris 8 and the new optical disk drives installed both on and offsite.</p>	
<b>SGI Upgrades</b>	<p>The SGI upgrades to IRIX 6.5.11m were completed this past month with the upgrade of the SGI software servers.</p> <p>Prior Info: The latest version of FLEXTOR storage management software was procured and installed on the system sunset. This software controls an optical jukebox attached to the system that is used for data archival. Previous versions proved incompatible with IRIX versions later than 6.5.3. The successful installation of this software allowed for the completion of sunset's upgrade from IRIX 6.5.3 to 6.5.11. The remaining systems (slocal servers) can now be upgraded to IRIX 6.5.11m to complete the SGI upgrades.</p> <p>As previously reported the upgrades are approximately 90% complete offsite and 100% complete onsite as of this report. The OS is being upgraded to IRIX 6.5.11m and the compiler are being upgraded to version 7.3.1.2m.</p>	
<b>Security</b>	<p>The SCF is working on a way to allow cox@home users access to our systems outside the firewall without generating a large security risk.</p> <p>As usual, the SA group continues to monitor all connections. Any attempted connections are immediately reported to Network Security.</p>	
<b>SAMII Data Transfer</b>	No additional work has been performed on this task during the past two weeks. As indicated before, copying of the images from the fourth platter is in work.	

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<b>Toolkit</b>	<p>No updates are available for this two week time period.</p> <p>Prior info: At this time the brand “sgi” is being investigated to see if it is supported with the latest version of the toolkit.</p> <p>The latest version 5.2.7.4v1 of the toolkit “BRAND sgi64” has been compiled on lightning. This toolkit has not been tested yet. Once the brand sgi64 has been tested and found operational, we will compile brands sgi and sgi32. This toolkit is entirely different from the previous toolkit. It now includes HDF version 4.1r3 and 5-1.4.1 as well as HDFeos versions 2.7.2v1 and 5.1. We expect this toolkit to be tested the first of the year and the additional brands compiled at that time.</p>	

### CERES SCF/DAAC Server Information

<b>Server Name:</b>	<b>Asdsun</b>	<b>Blizzard</b>	<b>Thunder</b>	<b>Lightning</b>	<b>Darrin</b>	<b>Samantha</b>	<b>Warlock</b>
<i><b>Operating System:</b></i>	Solaris 2.6	IRIX64 6.5.11m	IRIX64 6.5.11m	IRIX64 6.5.11m	IRIX64 6.5.11m	IRIX64 6.5.11m	IRIX64 6.5.12f
<i><b>Fortran compilers</b></i>	SUNWspro 4.0	7.3.1.2m	7.3.1.2m	7.3.1.2m	7.3.1.1m	7.3.1.1m	7.3.1.2m
<i><b>Toolkit</b></i>	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1
<i><b>Ada</b></i>	N/A	1.3	1.3	1.3	1.3	1.3	1.3
<i><b>IDL</b></i>	5.1.1	5.4	5.1.1	5.1.1	5.2	5.2	
<i><b>NAG fortran 95</b></i>	1.0(428)	1.0(428)	1.0(428)	1.0(428)	1.0(428)	1.0(428)	1.0(428)
<i><b>HDF</b></i>	4.1.r3	4.1.r3	4.1r3	4.1r3	4.1.r3	4.1r3	4.1r3
<i><b>Proposed upgrades:</b></i>	None	None	None	None	None	None	None
<i><b>Problems:</b></i>	None	None	None	None	None	None	None