

# CERES SCF STATUS

<i>Description</i>	<i>January 16, 2002 Status</i>	<i>Problems</i>
<b>1250 Network Upgrade</b>	<p>As indicated on the last report, the network upgrade in building 1250 is complete and approximately 20 systems have been transitioned to the GigE backbone. The process, which is about 2/3 complete, should be accomplished sometime during the month of January.</p> <p>Once the systems thunder and lightning were switched to the GigE network, the packet loss previously experienced has ceased.</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 building included in the first phase of the rehab. The rehab will incorporate the second phase of the CAT 5 upgrade.</p>	
<b>SUN Upgrades</b>	<p>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> <p>Prior info: Approximately 11 additional systems have been upgraded to Solaris 8 in the past two weeks. The remaining systems that need upgrading are, for the most part, servers that will require additional planning prior to upgrade.</p> <p>We are currently in the user interface testing phase of the optical disk drive's compatibility with the Solaris 8 operating system.</p>	

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<b>SGI Upgrades</b>	<p>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>No additional updates for this category are available at this time.</p> <p>A recent hole in WU_ftp has been posted on NASIRC. We have upgraded WU_ftp from version 2.6.1 to 2.6.2, which is the latest version closing the security hole. We are expecting an increase in scanning of ports 20 and 21 due to the recent advisories of WU_ftp. Secure Shell port scans of port 22 are continuing. The rate has been as high as 15 scans per day. We have, however, seen a reduction in the scanning of port 22 in the past 10 days.</p> <p>We are continuing to monitor all connections. We are working closely with Network Support in getting our web servers access through the LaRC firewall. Beth Flug and Kay Costulis are currently reviewing the web pages for content.</p>	
<b>SAMII Data Transfer</b>	<p>The copying of the SamII data from optical platter to CDROM is continuing. Three-quarters of the images on the second side of the third platter have been completed. There are a total of four primary platters. There are also a number of secondary platters which need to be checked and images transferred.</p>	
<b>Toolkit</b>	<p>At this time the brand "sgi" is being investigated to see if it is supported with the latest version of the toolkit.</p> <p>Prior info: 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