

CERES SCF STATUS

<i>Description</i>	<i>January 02, 2002 Status</i>	<i>Problems</i>
1250 Network Upgrade	<p>The wiring for the network upgrade in building 1250 is complete. The meeting on 12/18 indicated that systems would begin the transition to the GigE backbone in early January. SAGEIII has requested to be on the GIGe backbone by Jan 7th. The fast ethernet to FDDI bridge that connects thunder and lightning to the FDDI ring is failing. Under moderate to heavy loads it is experience a 10% to 40% packet loss. We have been working with Network Support on this issue. There is no replacement for the bridge. Network Support feels the problems are related to the network upgrade taking place in the building. There is no evidence to this fact.</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>	
SUN Upgrades	<p>No additional upgrades have been completed since the last report.</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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SGI Upgrades	<p>The vender of the Qstar software has supplied the ISA mips3, ABI n32 version of their software. This software has been installed on the system sunset and the upgrades are now continuing.</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>	
Security	<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>	
SAMII Data Transfer	<p>No updates from last report.</p> <p>As indicated in the prior report, transfer of data from the third platter has been initiated and is continuing.</p>	
Toolkit	<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

Server Name:	Asdsun	Blizzard	Thunder	Lightning	Darrin	Samantha	Warlock
<i>Operating System:</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>Fortran compilers</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>Toolkit</i>	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1
<i>Ada</i>	N/A	1.3	1.3	1.3	1.3	1.3	1.3
<i>IDL</i>	5.1.1	5.4	5.1.1	5.1.1	5.2	5.2	
<i>NAG fortran 95</i>	1.0(428)	1.0(428)	1.0(428)	1.0(428)	1.0(428)	1.0(428)	1.0(428)
<i>HDF</i>	4.1.r3	4.1.r3	4.1r3	4.1r3	4.1.r3	4.1r3	4.1r3
<i>Proposed upgrades:</i>	None	None	None	None	None	None	None
<i>Problems:</i>	None	None	None	None	None	None	None