

CERES SCF STATUS

<i>Description</i>	<i>February 27, 2002 Status</i>	<i>Problems</i>
1250 Network Upgrade	<p>We still have not received an ETA of the GigE cards required prior to transitioning over the three remaining systems to the new network.</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>	
SUN Upgrades	<p>Testing of the new optical disk drives to attach to the upgraded Solaris 8 systems has been completed. There is only one outstanding problem. The Solaris 8 system configures the drive as a removable media device instead of as a disk device. Sun has been contacted on this issue. If the problem can not be resolved, the plan is to keep one system at Solaris 2.6 for formatting the platters.</p> <p>Upgrading of the client systems onsite continues. We have currently run into a problem in trying to upgrade the servers. The problem has been analyzed and we hope to find a resolution. At the offsite facility an additional workstation was upgraded to Solaris 8 during the past two weeks.</p>	
SGI Upgrades	<p>This action item has been completed and will be removed from this report with its next update.</p> <p>The SGI upgrades to IRIX 6.5.11m were completed this past month with the upgrade of the SGI software servers.</p>	

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Security	<p>The issue with Cox@home customer access to SCF systems outside the NASA firewall has been clarified through further discussions with Cox. First indications were that Cox@home customers IP's would change randomly. This is not the case so no further action is required.</p> <p>A memorandum was written documenting the SCF procedure for handling viruses. Upon approval, this procedure will be incorporated into the SCF IT Security Plan. In addition, a LaRC AtSC Account Agreement has been drafted. This Agreement, along with the LaRC AtSC Account Request/Revalidation/Cancellation Form, will be completed and signed by each user requesting an account on a computer managed by the SCF System Administrators. The Agreement spells out the appropriate use and security requirements.</p> <p>As usual, the SA group continues to monitor all connections. Any attempted connections are immediately reported to Network Security.</p>	
SAMII Data Transfer	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.	
Toolkit	<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

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