

CERES SCF STATUS

<i>Description</i>	<i>August 28, 2002 Status</i>	<i>Problems</i>
1250 Network Upgrade	<p>No change. We still have occasional blips in network connectivity, but they are not as severe as previously.</p> <p>Prior info: The routing between the off-site facility and Building 1250 has been modified to facilitate improved connections. The SA team is currently monitoring this routing change.</p> <p>We are still working with Network Support to find a solution to the loss of connectivity between the old and the new networks in Building 1250. Recently there appears to be a decrease in the number of occurrences.</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><i>Asdsun</i> was moved to the Gig-E network and upgraded to Solaris 2.8 during this reporting period. A problem was encountered with Solaris 2.8 being able to reconfigure the metadata filesystem that is on <i>asdsun</i>. To ensure full operation, <i>asdsun</i> was brought back up in Solaris 2.6 until the metadata issue can be resolved. The migration of the onsite Sun systems to Solaris 2.8 is continuing.</p> <p>Prior info: We have discovered a method for users to format the optical disks using the new Sony drives under Solaris 8. User data requirements are being assessed prior to Solaris 8 upgrade of systems requiring optical drives.</p>	
SGI Upgrades	<p>The following SGI client systems have been upgraded to IRIX 6.5.16m - <i>whiteout</i>, <i>saisgi05</i>, <i>vento</i>, <i>panda</i>, <i>saisgi04</i>, <i>pato</i>, <i>mistral</i>, <i>saisgi08</i>, <i>khamzin</i>, <i>monsoon</i> and <i>elysium</i>. As of this date, no outstanding problems have been reported relating to the upgrades. The upgrade of the SGI clients is continuing.</p> <p>There is no additional information from the Calipso subsystem on the impact of the new compilers, version 7.3.1.3m.</p> <p>There is no update since the compile of the default toolkit on the new samantha2 SGI system on August 12 at the ASDC. A request has been sent for a "cereslibcm" account to facilitate the installation of CERESLIB. At this time the account has not been created.</p>	

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Security	<p>The IP filtering has been activated on a single user's SGI system for testing prior to installing on all SGI systems. At this time no additional changes have been required for the rule set.</p> <p>Prior Info: We are currently testing an SGI product called IPfilter which is a packet filtering product which will provide additional security for our systems located outside the NASA firewall. We are also testing a Solaris version of the product. At this time the results are preliminary; therefore, we have not determined the feasibility of incorporating this product into our standardization.</p> <p>The SA Group is continuing to monitor for undesired connections to the SCF systems. Any attempted connections are immediately reported to Network Security.</p>																																			
SAM II Data Transfer	We are currently still processing the requested recopy of selected images from the original 4 platters.																																			
Toolkit	<p>The latest version of the toolkit, version 5.2.8.2v2, was downloaded from EOS and compiled on <i>thunder</i> and <i>lightning</i>. This new version of the toolkit is to replace the existing new version 5.2.8v1. This new toolkit was compiled with static libraries to conform to the existing toolkit configuration the CERES team is accustomed.</p> <p>Prior info:</p> <table><tr><td>Software</td><td>Version</td></tr><tr><td>-----</td><td>-----</td></tr><tr><td>HDF-EOS</td><td>2.8v1.00</td></tr><tr><td>HDF-EOS</td><td>5.1.3</td></tr><tr><td>HDF</td><td>4.1r5</td></tr><tr><td>HDF</td><td>5-1.4.3</td></tr><tr><td>SDPTK</td><td>5.2.8.2v2.00</td></tr></table> <table><tr><td>BRAND</td><td>COMPILER</td><td>ABI</td><td>ISA</td></tr><tr><td>-----</td><td>-----</td><td>----</td><td>-----</td></tr><tr><td>sgi</td><td>f95 (NAG)</td><td>64</td><td>mips4</td></tr><tr><td>sgi32</td><td>f90 (SGI)</td><td>n32</td><td>mips3</td></tr><tr><td>sgi64</td><td>f90 (SGI)</td><td>64</td><td>mips4</td></tr></table>	Software	Version	-----	-----	HDF-EOS	2.8v1.00	HDF-EOS	5.1.3	HDF	4.1r5	HDF	5-1.4.3	SDPTK	5.2.8.2v2.00	BRAND	COMPILER	ABI	ISA	-----	-----	----	-----	sgi	f95 (NAG)	64	mips4	sgi32	f90 (SGI)	n32	mips3	sgi64	f90 (SGI)	64	mips4	
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DMSS Transfer	Still in the process of transferring data from the DMSS directories on <i>thunder</i> and <i>lightning</i> to the tape archive.																																			

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SAIC Offsite Network	The new 8-port gige blade was installed in the core SAIC switch, replacing the old FDDI backbone in the offsite SAIC building. Over the next month, the new Cisco switches will be phased in replacing the older 10Mb switches.	

CERES SCF/DAAC Server Information

Server Name:	Asdsun	Blizzard	Thunder	Lightning	Darrin	Samantha	Warlock
<i>System Type</i>	Enterprise 5000	Power Challenge	Origin 3800	Origin 3800	Origin 2000	Origin 2000	Origin 3800
<i>Operating System</i>	Solaris 2.6	IRIX64 6.5.11m	IRIX64 6.5.11m	IRIX64 6.5.11m	IRIX64 6.5.15m	IRIX64 6.5.11m	IRIX64 6.5.15m
<i>Fortran compilers</i>	SUNWspro 4.0	7.3.1.2m	7.3.1.2m	7.3.1.2m	7.3.1.2m	7.3.1.2m	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	4.1.r3	4.1.r3	4.1.r3	4.1.r3	4.1.r3
<i>Proposed upgrades</i>	None	OS & Compilers	None	None	None	None	None
<i>Problems</i>	None	None	None	None	None	None	None