

CERES SCF STATUS

<i>Description</i>	<i>September 25, 2002 Status</i>	<i>Problems</i>
1250 Network Upgrade	<p>New ethernet switches are going to replace old ethernet switches and will be uplinked to the Gig-E backbone on the 28th of September. This is being done to move the existing machines routing on the FDDI network to the Gig-E network.</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>The upgrade of the Sun systems continue onsite. The upgrades also include the replacement of some of the onsite old SGI and Sun workstations with SunBlade 100s. Four systems have been swapped out and upgraded. Two were Sun Ultra 1s and two were SGIs.</p> <p>Prior Info: As indicated in the last report, <i>asdsun</i> was moved to the Gig-E network and upgraded to Solaris 2.8. 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 users' systems are being upgraded as their schedules allow.</p> <p>Webtads will be initiated for RAB in the near future.</p>	
SGI Upgrades	<p>The upgrade of the offsite SGI client systems continues. During this reporting period the system <i>santana</i> was upgraded to IRIX 6.5.16m.</p> <p>Prior Info: 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 SA Department is currently looking into a modification to incorporate password aging to comply with NASA’s security policy. A test account has been created and testing is currently in progress on this account.</p> <p>Prior Info: As previously indicated, 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>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	The requested recopy of 102 of the original images copied will be completed this week.																																			
Toolkit	<p>The latest version, 5.2.8.2v2, has been recompiled on <i>thunder</i> and <i>lightning</i> to apply an HDFEOS patch. This compile also included a .h file modification provided by Joe Stassi.</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	The transition of data from the DMSS directory to the tape archive continues. There have been some problems with the archive, but they have been resolved.																																			

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