

CERES SCF STATUS

<i>Description</i>	<i>July 17, 2002 Status</i>	<i>Problems</i>
1250 Network Upgrade	<p>The SA Group has been working with both Cox and NASA Network Support. A duplex mismatch problem was discovered and corrected on the Cox ATM connection. Network Support is currently investigating a change in the routing in Building 1250 for the off-site facility. This change would eliminate a hop onto the FDDI center backbone when connecting to <i>thunder</i> and <i>lightning</i> from the off-site facility.</p> <p>Building 1250 is still experiencing loss of connectivity between the old and the new network. A meeting was held with the network group, and their recommendations/comments should be received shortly.</p> <p>The tentative plan is to move <i>asdsun</i> to the new network on Wednesday morning.</p> <p>Prior info: 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 onsite SAs are currently working on <i>asdsun</i> generating a disk map for the system and getting ready to try an upgrade to Solaris 8 this weekend.</p> <p>Prior info: It has been decided that the SCF will maintain one system at both the on and offsite facilities at Solaris 2.6 for formatting optical disk drives. This will be necessary since Sun nor the optical disk vendor (Sony) can provide software for formatting opticals under the Solaris 8 operating system. The end users will be able to read and write data from an optical attached to a Solaris 8 workstation; however, the Systems Administrators will handle initial formatting of the drives.</p>	
SGI Upgrades	<p>The systems <i>howler</i> and <i>whiteout</i> have been upgraded from IRIX 6.5.11m to IRIX 6.5.15m. The SGI compilers on these systems were upgraded from Version 7.3.1.2m to version 7.3.1.3m. Tim Murray is currently testing the new compilers prior to the upgrade of the remaining Calipso systems including <i>blizzard</i>. No problems have been reported at this time.</p> <p>Prior info: The SCF is about to start the SGI upgrades to IRIX 6.5.15m to standardize with the OS being loaded at the ASDC. The current plan is to upgrade the Calipso workstations first. We are experiencing a slip in the schedule to upgrade <i>blizzard</i> and possibly <i>thunder</i> and <i>lightning</i>. We did not anticipate it would require a week to download the new OS, compilers and required subsystem software from the SGI site.</p>	

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Security	The SA Group is continuing to monitor for undesired connections to the SCF systems. Any attempted connections are immediately reported to Network Security.																																																	
SAM II Data Transfer	A total of 74 images out of 102 have been copied to date.																																																	
Toolkit	<p>No additional updates since the last reporting period.</p> <p>Prior info: The latest version of the toolkit was downloaded from EOS. It has been compiled and installed on <i>thunder</i> and <i>lightning</i> for preliminary testing. As previously reported, the brand “sgi” has been eliminated from the toolkit. The SGI compilers do not support the ISA value of 32 or the ABI value of mips2. With effort we reinstalled the brand “sgi” and compiled it with the NAG 95 compiler. The associated parts of the toolkit and revisions are as follows:</p> <table><tr><td>Software</td><td>Version</td><td></td><td></td></tr><tr><td>-----</td><td>-----</td><td></td><td></td></tr><tr><td>HDF-EOS</td><td>2.8v1.00</td><td></td><td></td></tr><tr><td>HDF-EOS</td><td>5.1.2</td><td></td><td></td></tr><tr><td>HDF</td><td>4.1r5</td><td></td><td></td></tr><tr><td>HDF</td><td>5-1.4.3</td><td></td><td></td></tr><tr><td>SDPTK</td><td>5.2.8v1.00</td><td></td><td></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	5.1.2			HDF	4.1r5			HDF	5-1.4.3			SDPTK	5.2.8v1.00			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 AMLJ (known as the /tape_archive) is down. A trouble call has been placed for repair since the PC that controls the robot is non-functional. This keeps us from archiving the data from the /CERES/DMSS filesystem on lightning, thus allowing us to clear up more space for transferring data off of the DMSS.																																																	

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