

CERES SCF STATUS

<i>Description</i>	<i>July 3, 2002 Status</i>	<i>Problems</i>
1250 Network Upgrade	<p>No change from previous reporting period. A new schedule for moving <i>asdsun</i> to the new network will be coordinated with Carolyn Thomas and Network Support this week.</p> <p>Prior info: <i>Asdsun</i> was not moved to the new network last week as previously planned since Carolyn Thomas was out of the office and has not received the new license for the T&A software. A new schedule will be coordinated with her this week. As previously indicated, the T&A software will require a new license since <i>asdsun</i> will have a new IP and the T&A software is tied to the IP.</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>No change from previous reporting period. The onsite client systems are being upgraded as schedules allow.</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 system <i>howler</i> is scheduled for an upgrade to IRIX 6.5.15m on July 2. This includes upgrading the compilers to version 7.3.1.3m. Pending this upgrade, the remaining SGIs for the Calipso group will be scheduled for upgrade.</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	<p>Upgraded SSH on <i>asdsun, thunder, lightning, saisun02</i> and <i>blizzard</i> to version 3.4.p1 to satisfy LaRC Network Security requirements. Version 3.4.p1 provides patches for a recent CERT vulnerability concerning possible remote superuser compromise.</p> <p>In addition, the Apache web servers on <i>saisun26, lposun</i> and <i>cirrus</i> were also upgraded last week to version 1.3.26 in response to Network Security requirements. Version 1.3.26 provides patches for a recent CERT vulnerability concerning the execution of arbitrary code on the server with the permissions of the webserver child process.</p> <p>As usual, the Systems Administrators both on and offsite continue to monitor all connections. Any attempted connections are immediately reported to Network Security.</p>																													
SAM II Data Transfer	The list of SAM II images that the group would like recopied has been received and 52 of the 102 images have been copied.																													
Toolkit	<p>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 data-bbox="394 841 781 1081"> <thead> <tr> <th>Software</th> <th>Version</th> </tr> </thead> <tbody> <tr><td>HDF-EOS</td><td>2.8v1.00</td></tr> <tr><td>HDF-EOS</td><td>5.1.2</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>5.2.8v1.00</td></tr> </tbody> </table> <table data-bbox="394 1149 1180 1325"> <thead> <tr> <th>BRAND</th> <th>COMPILER</th> <th>ABI</th> <th>ISA</th> </tr> </thead> <tbody> <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> </tbody> </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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AC Replacement	The new AC unit is fully operational. This task will be removed from this chart with the next reporting period.																													

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 6.5.11m	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	4.1r3	4.1r3	4.1.r3	4.1r3	4.1r3
<i>Proposed upgrades</i>	None	OS & Compilers	None	None	None	None	None
<i>Problems</i>	None	None	None	None	None	None	None