

CERES SCF STATUS

<i>Description</i>	<i>April 10, 2002 Status</i>	<i>Problems</i>
1250 Network Upgrade	<p>The GigE cards required prior to transitioning over the three remaining systems to the new network were received and one of the cards has been installed in the server <i>yin</i>. A schedule for installing the other two cards is in work.</p> <p>We have been experiencing dropouts (connectivity problems) between the new and existing networks. Network support has been notified and are accessing the problem.</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>New Sun Forte certificates for licenses were received this week from the maintenance vendor, Government Micro Resources. The Forte licenses are the Solaris 8 Workshop, C and C++ compiler licenses required to complete the upgrade of our Sun workstations. The certificates will be completed and licenses obtained from Sun in the next few weeks.</p> <p>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> <p>Prior info: We are experiencing problems with print services on the first server upgraded to Solaris 8. We are still working on the problem.</p> <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>	
Security	<p>Several security fixes were installed on CERES systems in response to newly discovered vulnerabilities. A new version of Open SSH, version 3.1pl, was compiled, packaged and installed on all onsite systems and all offsite SGI systems to prevent intrusion. Additionally, Zlib, version 1.1.4, was also installed on CERES systems since the last report.</p> <p>The Systems Administrators both on and offsite continue to monitor all connections. Any attempted connections are immediately reported to Network Security.</p>	

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SAMII Data Transfer	<p>Copying of the fourth platter of SAM II data is complete. We are still transitioning the data from 8mm tapes to CDROMs. Afterwards, additional SAM II data will be copied and some recopy of selected images will be required due to problems reading the data.</p> <p>We will also begin copying some ERBE data from optical disk for Kathy Bush within the next two weeks.</p>	
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>	
CALIPSO Workstations	Three new workstations were acquired from Hampton University in support of the CALIPSO program during the end of March. The three workstations were standardized over the past two weeks and have been assigned to users.	
Bldg. 1250 Personnel Relocation	Relocation of personnel in preparation of Phase I of the building rehab will take place in the next two to three weeks. This will also include movement of computer systems which will require the Systems Administrators support.	

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IST Systems	The Systems Administrators provide support to 12 IST systems that are physically located offsite at the SAIC facility and in various buildings at NASA. The following IST systems will be turned off to reduce the profile on the private network: blackhole2, cer12la02, eosops2 and cersnla01. Below is a list of the systems, their architecture, and location. The first 4 are the ones that will be turned off.		
	System Name	Architecture	
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	blackhole2	Sun	
	cer12la02	PC	
	eosops2	Sun	
	cersnla01	PC	
	eosops	Sun	
	cer-ist	Sun	
	cer122401	PC	
	cer122402	PC	
	cer-ist2	Sun	
	eosops1	Sun	
	cer-ist1	Sun	
	cer-nt01	PC	

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