CERES SCF STATUS

Description	December 14, 2005 Status	Problems
SUN Upgrades	No new updates.	
SGI Upgrades	No new updates.	
MAC Upgrades	All the affected Macintosh systems residing on the backend network were patched during the Wednesday planned shutdown for the server room rearrangement.	
PC Upgrades	No new updates.	
Thunder, Lightning & Lanina	The nearline storage system has been monitored for problems that are not obvious to the CERES user community. At this time no problems are being encountered and it remains up, operational and is accepting additional files. Prior Info: Backup problems are still being experienced on the SGI servers. We are currently creating a plan to attempt to address this problem. The backup solution discussed several DMT meetings ago was incorrectly identified as a fix to the backup problem for the SGI servers.	
Security	No new updates.	

Description	December 14, 2005 Status	Problems
Cluster Development	The SCF computer room was rearranged this past reporting period. The Macintosh cluster was relocated along with the Xraids storage systems. This will allow for better access so the systems can be tied together more easily. An additional shutdown of the cluster and nearline storage system will be require to complete the relocation of three fiber channel switches. This shutdown has not been scheduled. The Macintosh cluster nodes were moved into the backend IP address space from the private non-routable network address space. The automounter and IPs were changed to reflect this setup. SGE (Sun Grid Engine) was reconfigured to accommodate the IP change. The two newly purchased tape libraries were uncarted and moved into the SCF server room. The SCF System Administration team contacted the ASDC System Administration group to make them aware of the changes and to request exports from *warlock* to be in line with what is exported to *thunder, lightning* and *lanina*. The ASDC network engineer was contacted and made aware of the IP additions. The SARB team members are currently testing on the Macintosh cluster, *manila* and *corregidor*. Prior Info: At this time the SA team has not been able to successfully compile GNAT version 3.15p on the Xserve. GNAT is required to compile ADA on the Xserve to support the Instrument subsystem. The Macintosh version of ADA that comes from Apple appears not to be supported directly from the command line but thru a non-X11 GUI. The System Administration team is continuing to try to resolve the compile issues of GNAT and ADA on the Xserve. gcc version 3.4.3 was installed on the IBM 970 Linux cluster at the ASDC directly in user workspace. This installation was added to support the compile of GNAT and ADA on the Linux cluster. GNAT and ADA have not been compiled on the Linux cluster.	
Misc.	The new 1 TB Lacie drive has been added to the offsite Retrospect backup server.	

Monday, December 12, 2005

Description	December 14, 2005 Status	Problems
Toolkit	The toolkit and CERESlib are now available on *manila* and *corregidor*. This service was interrupted during the rearrangement of the server room and the network reconfiguration of the Macintosh head node *zamboanga*. Prior Info: The latest tested version of the toolkit is version 2.9.v1.00. The latest version of the toolkit installed but not tested is version 2.10.v1.00. This chart reflects the latest tested version of the toolkit by the CERES subsystems. Software Version -------------- ------------- HDF-EOS 2.9v1.00 HDF-EOS 5.1.5 HDF 4.1r5 HDF 5-1.4.4 SDPTK 5.2.9v1.00 BRAND COMPILER ABI ISA ----------- ---------------- ----- -------- sgi f95 (NAG) 64 mips4 sgi32 f90 (SGI) n32 mips3 sgi64 f90 (SGI) 64 mips4	
Network	No new updates.	

CERES SCF/DAAC Server Information

Server Name:	Asdsun	Thunder	Lightning	Lanina	ctb-g	Samantha[1]	Warlock	Darrin	Zamboanga	Manila	Corregidor	Magneto
System Type	Sun Fire V880	Origin 3800	Origin 3800	Origin 3800	Octane	Origin 2000	Origin 3800	Origin 2000	Macintosh	Macintosh	Macintosh	IBM PPC Cluster
Operating System	Solaris 8	IRIX64 6.5.25m	IRIX64 6.5.25m	IRIX64 6.5.25m	IRIX64 6.5.25m	IRIX64 6.5.25m	IRIX64 6.5.25m	IRIX64 6.5.25m	OSX 10.4	OSX 10.4	OSX 10.4	SUSE Linux
Fortran compilers	SUNWspro 4.0	7.4.3m	7.4.3m	7.4.3m	7.4	7.3.1.3m	7.4.3m	7.4	IBMxlf	IBMxlf	IBMxlf	IBMxlf
Toolkit (default)	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1		TK5.2.7v1	TK5.2.7v1	TK5.2.12v1	TK5.2.12v1	TK5.2.12v1	TK5.2.12v1
Toolkit (other)		TK5.2.9v1	TK5.2.9v1	TK5.2.9v1	TK5.2.9v1		TK5.2.9v1					
Ada		1.3	1.3	1.3	1.3		1.3	1.3				
IDL	5.6	5.5	5.5	5.5	5.5	5.5 (demo mode)	5.5	5.3				Not Supported
NAG fortran 95	1.0(439)	1.0(428)	1.0(428)	1.0(428)	1.0(428)	Removed	1.0(428)	1.0(428)				
HDF	4.1.r3	4.1.r3	4.1.r3	4.1.r3	4.1.r3		4.1.r3		4.2r0 & 5-1.6.2	4.2r0 & 5-1.6.2	4.2r0 & 5-1.6.2	4.2r0 & 5-1.6.2
Proposed upgrades	None	None	None	None	None	None	None	None	None	None	None	None
Problems	None	None	None	None	None	None	None	None	None	None	None	None

1. New *samantha* (previously *trance*).

NOTES:
The system ctb-g was removed from the backend network and will be used for firewall testing.

Currently the SCF is not able to backup all data stored on the SCF servers. On the SCF SGI servers: *thunder, lightning* and *lanina* the partitions ending with
an "-" followed by a numeric number are currently being backed up on a regular schedule. The partitions ending with an "-" followed by an alpha character are
considered scratch space and are not being backed up. Any data stored on these non-backed up partitions should be considered recoverable or reproducible from other sources.

Systems *warlock* and *samantha2* were merged into one system (*warlock*) on Tuesday, August 19.

All CERES processing was transitioned to *warlock*.

Date last updated (server info chart only): 11/16//05

Monday, December 12, 2005