CERES SCF STATUS

Description	*November 17, 2004 Status*	*Problems*
SUN Upgrades	No new updates.	
SGI Upgrades	No new updates. Prior Info: The upgrade of the SCF servers has been postponed until January. The system ctb-g.larc.nasa.gov has not been relocated behind the firewall. The CERES testbed system (*ctb-g.larc.nasa.gov*) was upgraded from IRIX 6.5.22m to IRIX 6.5.25m. The existing compilers on this system remain the same. We are currently investigating upgrading the compilers once the MipsPRO 7.4.3m compilers are released in December to resolve the 3211 error being reported by the TISA subsystem. The toolkit brands SGI32 and SGI64 were recompiled due to the upgrade. The toolkit brand SGI continues to fail to compile at this time.	
MAC Upgrades	No new updates.	
PC Upgrades	No new updates.	
Thunder, Lightning & Lanina	A disk failed on *thunder* last Thursday during the power outage. The disk is scheduled to be replaced on Tuesday morning, the xlv rebuilt and the data restored. Prior Info: Several modifications were made in the NLstore tool and daemon. Testing is currently in progress at this time. The modifications include an adjustment in the timing variable and the socket queue. At this time we are limping on two tape drives in the Exabyte library attached to *thunder*. We are investigating having a drive replaced. We are also experiencing some bad tapes in the tape library and only have a limited number of new tapes for replacement.	

Description	*November 17, 2004 Status*	*Problems*
Thunder, Lightning & Lanina	The CERES testbed OS/Compilers test schedule, as previously revised, is shown below. 1.) Inversion (Complete) Sandy has completed testing of the Inversion subsystem. No problems were reported. 2.) Instrument (Complete) Denise has completed testing of the Instrument subsystem. No problems were reported. 3.) Clouds (In progress) Walt is in the process of testing at this time. 4.) SARB (In progress) Scott is in the process of testing at this time. 5.) GGEO (Complete) Joe has completed testing of GGEO and the 4211 error has not been resolved. 6.) TISA (Complete) Raja has completed testing. 7.) ERBELIKE (Complete) Dale has completed testing.	
Security	No new updates.	
Misc.	The A/C unit failed in the onsite server room on Monday morning. The unit is back up and the part is on order; however, the unit could fail again at any time requiring the servers to be shut down. Users are advised to save their work often until the part is replaced. The SA's are continuing to support the relocation of users back to Building 1250.	

Description	*November 17, 2004 Status*	*Problems*
Toolkit	No new updates. 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	
DMSS Transfer	No new updates.	
CERESlib	No new updates.	
Network	The offsite System Administration, LaRC Network Support and COX Communication have coordinated a plan to upgrade the ATM network hardware on Monday and Tuesday of this week. The upgrades are scheduled after hours to minimize impact of offsite computing activities. Downtime is expected to be in seconds as the hardware is brought online.	

CERES SCF/DAAC Server Information

Server Name:	Asdsun	Thunder	Lightning	Lanina	ctb-g	Samantha[1]	Warlock	Darrin
System Type	Sun Fire V880	Origin 3800	Origin 3800	Origin 3800	Octane	Origin 2000	Origin 3800	Origin 2000
Operating System	Solaris 8	IRIX64 6.5.16m	IRIX64 6.5.16m	IRIX64 6.5.16m	IRIX64 6.5.25m	IRIX64 6.5.18m	IRIX64 6.5.17m	IRIX64 6.5.25m
Fortran compilers	SUNWspro 4.0	7.3.1.3m	7.3.1.3m	7.3.1.3m	7.4	7.3.1.3m	7.3.1.3m	7.4
Toolkit (default)	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1		TK5.2.7v1	TK5.2.7v1
Toolkit (other)		TK5.2.9v1	TK5.2.9v1	TK5.2.9v1	TK5.2.9v1		TK5.2.9v1	
Ada	N/A	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
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	
Proposed upgrades	None	None	None	None	None	None	None	
Problems	None	None	None	None	None	None	None	None

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

NOTES:

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): 09/22/04