CERES SCF STATUS

Description	*March 24, 2004 Status*	*Problems*
SUN Upgrades	No new updates.	
SGI Upgrades	No new updates.	
Thunder, Lightning & Lanina	In preparation for the Operating System upgrade from IRIX 6.5.16m to IRIX 6.5.22m and the upgrade of the MIPSpro compilers 7.3.1.3m to 7.4.x. The ASDC has agreed to loan a 2 processor Octane for testing. Once this system is transferred to the SCF it will be standardized including the toolkit and cereslib. A schedule will be created for the subsystems to test and identify the impact of the upgrade.	
Security	The latest Sun patch cluster is still being tested on the onsite System Administration systems.	
Network	The system administrators have discovered an asymmetric performance problem with the offsite network rate shaper. Subsequently, the rate shaper was removed from operation. The performance problem is under investigation.	
Toolkit	At this time only a Mac G5 Fortran 77 version of the toolkit has been ported by the EOS team. The SCF Systems Administrators are in the process of compiling Fortran 90 with the IBM XLF compilers for Mac OS-X. All information learned thus far on compiling the Fortran 90 port has been distributed to Jim Donaldson via email. Prior info: 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.	

CERES SCF/DAAC Server Information

Server Name:	Asdsun	Thunder	Lightning	Lanina	Samantha[1]	Warlock	Darrin
System Type	Sun Fire V880	Origin 3800	Origin 3800	Origin 3800	Origin 2000	Origin 3800	Origin 2000
Operating System	Solaris 8	IRIX64 6.5.16m	IRIX64 6.5.16m	IRIX64 6.5.16m	IRIX64 6.5.18m	IRIX64 6.5.17m	IRIX64 6.5.18m
Fortran compilers	SUNWspro 4.0	7.3.1.3m	7.3.1.3m	7.3.1.3m	7.3.1.3m	7.3.1.3m	7.3.1.3m
Toolkit (default)	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	
Ada	N/A	1.3	1.3	1.3		1.3	1.3
IDL	5.6	5.5	5.5	5.5	5.5	5.5	5.3
NAG fortran 95	1.0(439)	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	
Proposed upgrades	None	None	None	None	None	None	
Problems	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): 03/08/04