

CERES SCF STATUS

<i>Description</i>	<i>June 02, 2004 Status</i>	<i>Problems</i>
SUN Upgrades	No new updates.	
SGI Upgrades	No new updates.	
Thunder, Lightning & Lanina	<p>Network Address Translation was activated on <i>lanina</i> this past reporting period. Currently the CERES testbed system (<i>ctb-g.larc.nasa.gov</i>), which had no network access beyond the backend server room network, can now communicate to systems on LarcNet.</p> <p>The Macintosh system which will support the /QA area was updated this past reporting period from Darwin version 7.3.0 to 7.4.0. This was required to support the Firewire drive.</p> <p>An on-site network switch failed this past reporting period. This effected the on-site systems <i>lee6</i>, <i>cessna</i>, <i>cirrus</i>, <i>saisun01</i> and <i>loki</i>. Network support was contacted and the systems were moved to a different network switch. The remaining systems on the "failing" switch are being monitored by network support. If problems are encountered by CERES members, network support will be contacted to resolve this problem.</p> <p>The revised/updated summary of the schedule for testing on the CERES IRIX 6.5.22m with the MIPSpro 7.4 compilers is shown below.</p> <ol style="list-style-type: none"> 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 (In progress) Joe is in the process of testing at this time. 6.) TISA (Complete) Raja has completed testing. 	

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Thunder, Lightning & Lanina (cont'd)	7.) ERBELIKE (Complete) Dale has completed testing.																													
Security	OpenSSH 3.8.1p1 for the SGIs has been compiled and is currently being tested. A package will be prepared and distributed this Friday.																													
Toolkit	<p>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.</p> <table data-bbox="394 496 781 732"> <thead> <tr> <th>Software</th> <th>Version</th> </tr> </thead> <tbody> <tr> <td>HDF-EOS</td> <td>2.9v1.00</td> </tr> <tr> <td>HDF-EOS</td> <td>5.1.5</td> </tr> <tr> <td>HDF</td> <td>4.1r5</td> </tr> <tr> <td>HDF</td> <td>5-1.4.4</td> </tr> <tr> <td>SDPTK</td> <td>5.2.9v1.00</td> </tr> </tbody> </table> <table data-bbox="394 808 1178 979"> <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	2.9v1.00	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	
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DMSS Transfer	No new updates.																													

CERES SCF/DAAC Server Information

Server Name:	Asdsun	Thunder	Lightning	Lanina	ctb-g	Samantha ¹	Warlock	Darrin
<i>System Type</i>	Sun Fire V880	Origin 3800	Origin 3800	Origin 3800	Octane	Origin 2000	Origin 3800	Origin 2000
<i>Operating System</i>	Solaris 8	IRIX64 6.5.16m	IRIX64 6.5.16m	IRIX64 6.5.16m	IRIX64 6.5.22m	IRIX64 6.5.18m	IRIX64 6.5.17m	IRIX64 6.5.18m
<i>Fortran compilers</i>	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	7.3.1.3m
<i>Toolkit (default)</i>	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1		TK5.2.7v1	
<i>Toolkit (other)</i>		TK5.2.9v1	TK5.2.9v1	TK5.2.9v1	TK5.2.9v1		TK5.2.9v1	
<i>Ada</i>	N/A	1.3	1.3	1.3	1.3		1.3	1.3
<i>IDL</i>	5.6	5.5	5.5	5.5	5.5	5.5 (demo mode)	5.5	5.3
<i>NAG fortran 95</i>	1.0(439)	1.0(428)	1.0(428)	1.0(428)	See note below	Removed	1.0(428)	1.0(428)
<i>HDF</i>	4.1.r3	4.1.r3	4.1.r3	4.1.r3	4.1.r3		4.1.r3	
<i>Proposed upgrades</i>	None	None	None	None	None	None	None	
<i>Problems</i>	None	None	None	None	None	None	None	None

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

NOTES:

ctb-g -- Currently NAG95 version 1.0(428) is installed on the CERES testbed system. A NAG 95 temporary license has been obtained. We are currently working on the issue that NAG 95 is only a front-end to the cc compiler, which is currently not licensed on the testbed system.

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): 06/02/04