

JPL EXPORT ADMINISTRATION <i>DOCUMENT REVIEW RECORD</i>
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Log #: 23390-24306

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Program: ISSM: Ice Sheet System Model

Person Requesting or Initiating Export: Dr. Eric Larour

Date Received: Nov-1-2019

Document Title/Description: ISSM changes from revision 23390 to revision 24306

Release to: <http://issm.ess.uci.edu/svn/issm/issm/trunk> on ISSM svn repository

JPL Intranet: murdo.jpl.nasa.gov/proj/ice/larour/issm-uci/trunk-jpl

Disposition: 6 Does not contain export-controlled information. May be released/disclosed as requested subject to Company guidelines on protection of proprietary information (if applicable).

Comments: see table of changes below.

Reviewed by ISSM Export Transfer Liaison: Dr. Eric Larour **Date:** Nov-1-2019

Disposition:

- 1: Public Domain Information (Ref ITAR Section 120.11)
 - 2: Qualifies for ITAR Exemption
 - 3: Covered by Department of State License/Agreement Number
 - 4: Covered by Department of Commerce validated license or exception
 - 5: New License Required
 - 6: Does not contain export-controlled information. May be released/disclosed as requested subject to Company guidelines on protection of proprietary information (if applicable).
 - 7: Other (specify)
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Change #1 with diff file ISSM-23393-23394.diff:

Function name:

M /issm/trunk-jpl M /issm/trunk-jpl/externalpackages/autotools/install-win.sh
A /issm/trunk-jpl/externalpackages/gmsh/install-mac-precompiled.sh (from /issm/trunk/externalpackages/gmsh/install-mac-precompiled.sh:23392) M /issm/trunk-jpl/externalpackages/gmsh/install-static.sh A /issm/trunk-jpl/externalpackages/gmsh/install-win64-precompiled.sh (from /issm/trunk/externalpackages/gmsh/install-win64-precompiled.sh:23392)
A /issm/trunk-jpl/externalpackages/gmt/install-mac-precompiled.sh (from /issm/trunk/externalpackages/gmt/install-mac-precompiled.sh:23392) A /issm/trunk-jpl/externalpackages/gmt/install-win64-precompiled.sh (from /issm/trunk/externalpackages/gmt/install-win64-precompiled.sh:23392)
M /issm/trunk-jpl/externalpackages/mpich/install-3.2-linux64-static.sh M /issm/trunk-jpl/externalpackages/mpich/install-3.2-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.7-linux64-static.sh M /issm/trunk-jpl/jenkins/linux64_ross.static M /issm/trunk-jpl/jenkins/macosx_pine-island.static M /issm/trunk-jpl/jenkins/windows A /issm/trunk-jpl/jenkins/windows_static (from /issm/trunk/jenkins/windows_static:23392) M /issm/trunk-jpl/package.sh A /issm/trunk-jpl/package.sh A /issm/trunk-jpl/package.sh A /issm/trunk-jpl/package.sh (from /issm/trunk/package.sh:23392) R /issm/trunk-jpl/scripts/DownloadExternalPackage.py (from /issm/trunk/scripts/DownloadExternalPackage.py:23392) D /issm/trunk-jpl/scripts/DownloadExternalPackage2.py M /issm/trunk-jpl/src M /issm/trunk-jpl/src/c/modules/InterpFromGridToMeshx/InterpFromGridToMeshx.cpp M /issm/trunk-jpl/src/wrappers/matlab/io/ApiPrintf.cpp

Export determination: 6.

Rationale: merged trunk and trunk-jpl

Change #2 with diff file ISSM-23395-23396.diff:

Function name:

M /issm/trunk-jpl M /issm/trunk-jpl/src M /issm/trunk-jpl/test

Export determination: 6.

Rationale: Block revision 23394 from being merged into trunk-jpl

Change #3 with diff file ISSM-23396-23397.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.

Rationale: CHG: updating version number

Change #4 with diff file ISSM-23399-23400.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/

Export determination: 6.

Rationale: CHG: minor

Change #5 with diff file ISSM-23400-23401.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/shared/Elements/ComputeD18OTemperatureP

M /issm/trunk-jpl/src/c/shared/Elements/ComputeDelta18oTemperaturePrecipitation.cpp

M /issm/trunk-jpl/src/c/shared/Elements/ComputeMungsmTemperaturePrecipitation.cpp

M /issm/trunk-jpl/src/c/shared/Elements/PddSurfaceMassBalance.cpp M /issm/trunk-

jpl/src/c/shared/Elements/PddSurfaceMassBalanceSicopolis.cpp M /issm/trunk-

jpl/src/c/shared/MemOps/MemOps.h M /issm/trunk-jpl/src/c/shared/Numerics/BrentSearch.cpp

M /issm/trunk-jpl/src/c/shared/Numerics/isnan.cpp M /issm/trunk-jpl/src/c/shared/Numerics/isnan.h

Export determination: 6.

Rationale: CHG: cosmetics

Change #6 with diff file ISSM-23401-23402.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Numerics/isnan.cpp

Export determination: 6.

Rationale: BUG: fixed AD

Change #7 with diff file ISSM-23402-23403.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Numerics/isnan.cpp

Export determination: 6.

Rationale: BUG: fixed AD

Change #8 with diff file ISSM-23406-23407.diff:

Function name:

A /issm/trunk-jpl/examples/Functions/domain_mask.m M /issm/trunk-jpl/examples/Functions/grace.m

A /issm/trunk-jpl/examples/SlrGRACE_NIMS A /issm/trunk-jpl/examples/SlrGRACE_NIMS/Models

A /issm/trunk-jpl/examples/SlrGRACE_NIMS/runme.m

Export determination: 6.

Rationale: NEW: tutorials for NIMS

Change #9 with diff file ISSM-23408-23409.diff:

Function name:

A /issm/trunk-jpl/externalpackages/autotools/install-macosx64-yosemite.sh M

/issm/trunk-jpl/externalpackages/autotools/install.sh

Export determination: 6.

Rationale: CHG: need up curl and update to automake 1.16

Change #10 with diff file ISSM-23409-23410.diff:

Function name:

M /issm/trunk-jpl/externalpackages/autotools/install.sh

Export determination: 6.

Rationale: CHG: revert install.sh script

Change #11 with diff file ISSM-23410-23411.diff:

Function name:

D /issm/trunk-jpl/externalpackages/autotools/install-macosx64-yosemite.sh

Export determination: 6.

Rationale: CHG: remove new install script

Change #12 with diff file ISSM-23411-23412.diff:

Function name:

M /issm/trunk-jpl/externalpackages/autotools/install.sh

Export determination: 6.

Rationale: CHG: update to automake 1.16

Change #13 with diff file ISSM-23412-23413.diff:

Function name:

M /issm/trunk-jpl/externalpackages/autotools/install-win.sh M /issm/trunk-jpl/externalpackages/autotools/install.sh

Export determination: 6.

Rationale: CHG: merging win and non-windows installation script

Change #14 with diff file ISSM-23413-23414.diff:

Function name:

M /issm/trunk-jpl/examples/README.txt

Export determination: 6.

Rationale: CHG: update

Change #15 with diff file ISSM-23414-23415.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh

Export determination: 6.

Rationale: CHG: Attempt at fixing false failure on installation of Dakota

Change #16 with diff file ISSM-23415-23416.diff:

Function name:

M /issm/trunk-jpl/externalpackages/autotools/install-win.sh

Export determination: 6.

Rationale: BUG: Appears to be incomplete copy from trunk

Change #17 with diff file ISSM-23416-23417.diff:

Function name:

M /issm/trunk-jpl/externalpackages/adjoinablempi/install-macosx64.sh M /issm/trunk-jpl/externalpackages/adjoinablempi/install-pleiades-gcc.sh M /issm/trunk-jpl/externalpackages/adjoinablempi/pleiades.sh M /issm/trunk-jpl/externalpackages/adjoinablempi/install.sh M /issm/trunk-jpl/externalpackages/adolc/install-withhampi-macosx64.sh M /issm/trunk-jpl/externalpackages/adolc/install-withhampi-pleiades-gcc.sh M /issm/trunk-jpl/externalpackages/adolc/install-withhampi-pleiades.sh M /issm/trunk-jpl/externalpackages/adolc/install-withhampi.sh M /issm/trunk-jpl/externalpackages/adolc/install.sh M /issm/trunk-jpl/externalpackages/adolc/old/install-2.2.0.sh M /issm/trunk-jpl/externalpackages/android/android-ndk/install.sh M /issm/trunk-jpl/externalpackages/android/android-ndk/installNDK-linux-x86.sh M /issm/trunk-jpl/externalpackages/android/android-sdk/install.sh M /issm/trunk-jpl/externalpackages/apr/install.sh M /issm/trunk-jpl/externalpackages/apr-util/install.sh M /issm/trunk-jpl/externalpackages/aspell/install.sh M /issm/trunk-jpl/externalpackages/atlas/install.sh M /issm/trunk-jpl/externalpackages/autotools/install-win.sh M /issm/trunk-jpl/externalpackages/autotools/install.sh M /issm/trunk-jpl/externalpackages/bbftp/install.sh M /issm/trunk-jpl/externalpackages/blas/install-linux64.sh M /issm/trunk-jpl/externalpackages/blas/install-macosx64.sh M /issm/trunk-jpl/externalpackages/boost/install-1.49-linux.sh M /issm/trunk-jpl/externalpackages/boost/install-1.49-macosx-snowleopard.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-discover.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-linux.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-lonestar.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-macosx-elcapitan.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-macosx-mavericks.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-macosx-snowleopard.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-macosx-yosemite.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-pleiades.sh M /issm/trunk-jpl/externalpackages/bsdtar/install-win7.sh M /issm/trunk-jpl/externalpackages/cccl/install-win7.orig.sh M /issm/trunk-jpl/externalpackages/chaco/install-macosx64-sierra.sh M /issm/trunk-jpl/externalpackages/chaco/install-macosx64.sh M /issm/trunk-jpl/externalpackages/chaco/install.sh M /issm/trunk-jpl/externalpackages/cmake/install-macosx64-snowleopard.sh M /issm/trunk-jpl/externalpackages/cmake/install.sh M /issm/trunk-jpl/externalpackages/colpack/install.sh M /issm/trunk-jpl/externalpackages/cppcheck/install.sh M /issm/trunk-jpl/externalpackages/curl/install-macosx64.sh M /issm/trunk-jpl/externalpackages/cvs/install.sh M /issm/trunk-jpl/externalpackages/cython/install-18.sh M /issm/trunk-jpl/externalpackages/cython/install-19.2.sh M /issm/trunk-jpl/externalpackages/cython/install-22.sh M /issm/trunk-jpl/externalpackages/cython/install-26.sh M /issm/trunk-jpl/externalpackages/dakota/install-4.2-altix64-cosmos.sh M /issm/trunk-jpl/externalpackages/dakota/install-4.2-discover.sh M /issm/trunk-jpl/externalpackages/dakota/install-4.2-linux64-cloud.sh M /issm/trunk-jpl/externalpackages/dakota/install-4.2-linux64-murdo.sh M /issm/trunk-jpl/externalpackages/dakota/install-4.2-macosx64.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.2-discover.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.2-linux64-caladan.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.2-linux64-larsen.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.2-macosx64.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-linux64-caladan.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-linux64.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-lonestar.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-macosx64-snowleopard.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-macosx64-yosemite.sh M /issm/trunk-jpl/externalpackages/dakota/install-

5.3.1-macosx64.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-intel15-
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 M /issm/trunk-jpl/externalpackages/petsc/install-3.6-lonestar.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.6-macosx64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.6-macosx64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.6-pleiades.sh
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 M /issm/trunk-jpl/externalpackages/petsc/install-3.7-linux64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.7-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.7-macosx64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.7-macosx64.sh
 M /issm/trunk-jpl/externalpackages/petsc/install-3.7-pleiades.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.8-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.8-macosx64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.9-linux64.sh
 M /issm/trunk-jpl/externalpackages/petsc/install-3.9-macosx64.sh M /issm/trunk-jpl/externalpackages/polygonclipper/install.sh M /issm/trunk-jpl/externalpackages/pyclips/install.sh
 M /issm/trunk-jpl/externalpackages/pysvn/install.sh M /issm/trunk-jpl/externalpackages/python/install-2.7.3-linux64.sh M /issm/trunk-jpl/externalpackages/python/install-2.7.3-macosx-snowleopard.sh M /issm/trunk-jpl/externalpackages/python/install-2.7.3-macosx.sh
 M /issm/trunk-jpl/externalpackages/python/install-3.2.2-linux64.sh M /issm/trunk-jpl/externalpackages/python/install-3.2.2-macosx-snowleopard.sh M /issm/trunk-jpl/externalpackages/python/install-3.2.2-macosx.sh M /issm/trunk-jpl/externalpackages/qhull/install.sh
 M /issm/trunk-jpl/externalpackages/rats/install.sh M /issm/trunk-jpl/externalpackages/readline/install.sh
 M /issm/trunk-jpl/externalpackages/rose/install.sh M /issm/trunk-jpl/externalpackages/satstress/install.sh
 M /issm/trunk-jpl/externalpackages/scotch/install.sh M /issm/trunk-jpl/externalpackages/scotch/install_macosx.sh
 M /issm/trunk-jpl/externalpackages/shapelib/install.sh M /issm/trunk-jpl/externalpackages/shell2junit/install.sh
 M /issm/trunk-jpl/externalpackages/sqlite/install.sh M /issm/trunk-jpl/externalpackages/svn/install.sh
 M /issm/trunk-jpl/externalpackages/swig/install.sh M /issm/trunk-jpl/externalpackages/tcl/install.sh
 M /issm/trunk-jpl/externalpackages/tclx/install.sh M /issm/trunk-jpl/externalpackages/tex2im/install.sh
 M /issm/trunk-jpl/externalpackages/tk/install.sh M /issm/trunk-jpl/externalpackages/triangle/install-altix64.sh M /issm/trunk-jpl/externalpackages/triangle/install-android.sh M /issm/trunk-jpl/externalpackages/triangle/install-discover.sh M /issm/trunk-jpl/externalpackages/triangle/install-iosarmv7.sh
 M /issm/trunk-jpl/externalpackages/triangle/install-iosarmv7s.sh M /issm/trunk-jpl/externalpackages/triangle/install-iosi386.sh M /issm/trunk-jpl/externalpackages/triangle/install-javascript.sh M /issm/trunk-jpl/externalpackages/triangle/install-linux64.sh M /issm/trunk-jpl/externalpackages/triangle/install-macosx32.sh M /issm/trunk-jpl/externalpackages/triangle/install-macosx64-snowleopard.sh M /issm/trunk-jpl/externalpackages/triangle/install-macosx64.sh M /issm/trunk-jpl/externalpackages/triangle/install-pleiades.sh M /issm/trunk-jpl/externalpackages/triangle/install-win10.sh M /issm/trunk-jpl/externalpackages/triangle/install-win32.sh M /issm/trunk-jpl/externalpackages/triangle/install.sh M /issm/trunk-jpl/externalpackages/valgrind/install-altix64.sh M /issm/trunk-jpl/externalpackages/valgrind/install-win32.sh M /issm/trunk-jpl/externalpackages/vim/install.sh M /issm/trunk-jpl/externalpackages/windows/install.sh
 M /issm/trunk-jpl/externalpackages/xerces/install.sh M /issm/trunk-jpl/externalpackages/yams/install.sh
 Export determination: 6.

Rationale: CHG: Updated all external package install scripts to include new

URL

Change #18 with diff file ISSM-23417-23418.diff:

Function name:

M /issm/trunk-jpl/externalpackages/adjoinablempi/install-macosx64.sh M /issm/trunk-jpl/externalpackages/adjoinablempi/install-pleiades-gcc.sh M /issm/trunk-jpl/externalpackages/adjoinablempi/pleiades.sh M /issm/trunk-jpl/externalpackages/adjoinablempi/install.sh M /issm/trunk-jpl/externalpackages/adolc/install-withamp-macosx64.sh M /issm/trunk-jpl/externalpackages/adolc/install-withamp-pleiades-gcc.sh M /issm/trunk-jpl/externalpackages/adolc/install-withamp-pleiades.sh M /issm/trunk-jpl/externalpackages/adolc/install-withamp.sh M /issm/trunk-jpl/externalpackages/adolc/install.sh M /issm/trunk-jpl/externalpackages/adolc/old/install-2.2.0.sh M /issm/trunk-jpl/externalpackages/android/android-ndk/install.sh M /issm/trunk-jpl/externalpackages/android/android-ndk/installNDK-linux-x86.sh M /issm/trunk-jpl/externalpackages/android/android-sdk/install.sh M /issm/trunk-jpl/externalpackages/android/android-sdk/installSDK-linux-x86.sh M /issm/trunk-jpl/externalpackages/apr/install.sh M /issm/trunk-jpl/externalpackages/apr-util/install.sh M /issm/trunk-jpl/externalpackages/aspell/install.sh M /issm/trunk-jpl/externalpackages/atlas/install.sh M /issm/trunk-jpl/externalpackages/autotools/install-win.sh M /issm/trunk-jpl/externalpackages/autotools/install.sh M /issm/trunk-jpl/externalpackages/bbftp/install.sh M /issm/trunk-jpl/externalpackages/blas/install-linux64.sh M /issm/trunk-jpl/externalpackages/blas/install-macosx64.sh M /issm/trunk-jpl/externalpackages/boost/install-1.49-linux.sh M /issm/trunk-jpl/externalpackages/boost/install-1.49-macosx-snowleopard.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-discover.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-linux.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-lonestar.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-macosx-el_capitan.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-macosx-mavericks.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-macosx-snowleopard.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-macosx-yosemite.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-pleiades.sh M /issm/trunk-jpl/externalpackages/bsdtar/install-win7.sh M /issm/trunk-jpl/externalpackages/cccl/install-win7.orig.sh M /issm/trunk-jpl/externalpackages/chaco/install-macosx64-sierra.sh M /issm/trunk-jpl/externalpackages/chaco/install-macosx64.sh M /issm/trunk-jpl/externalpackages/chaco/install.sh M /issm/trunk-jpl/externalpackages/cmake/install-macosx64-snowleopard.sh M /issm/trunk-jpl/externalpackages/cmake/install.sh M /issm/trunk-jpl/externalpackages/colpack/install.sh M /issm/trunk-jpl/externalpackages/cppcheck/install.sh M /issm/trunk-jpl/externalpackages/curl/install-macosx64.sh M /issm/trunk-jpl/externalpackages/cvs/install.sh M /issm/trunk-jpl/externalpackages/cython/install-18.sh M /issm/trunk-jpl/externalpackages/cython/install-19.2.sh M /issm/trunk-jpl/externalpackages/cython/install-22.sh M /issm/trunk-jpl/externalpackages/cython/install-26.sh M /issm/trunk-jpl/externalpackages/dakota/install-4.2-altix64-cosmos.sh M /issm/trunk-jpl/externalpackages/dakota/install-4.2-discover.sh M /issm/trunk-jpl/externalpackages/dakota/install-4.2-linux64-cloud.sh M /issm/trunk-jpl/externalpackages/dakota/install-4.2-linux64-murdo.sh M /issm/trunk-jpl/externalpackages/dakota/install-4.2-macosx64.sh

M /issm/trunk-jpl/externalpackages/dakota/install-5.2-discover.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.2-linux64-caladan.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.2-linux64-larsen.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.2-macosx64.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-linux64-caladan.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-linux64.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-lonestar.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-macosx64-snowleopard.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-macosx64-yosemite.sh M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-macosx64.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-intel15-discover.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-intel16-discover.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-linux64.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-lonestar.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64-highsierra.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64-snowleopard.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64-yosemite.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-pleiades.sh M /issm/trunk-jpl/externalpackages/distribute/install.sh M /issm/trunk-jpl/externalpackages/ec2ami/install.sh M /issm/trunk-jpl/externalpackages/ec2api/install.sh M /issm/trunk-jpl/externalpackages/emscripten/install.sh M /issm/trunk-jpl/externalpackages/esmf/install.sh M /issm/trunk-jpl/externalpackages/ffmpeg/install-macosx64.sh M /issm/trunk-jpl/externalpackages/findbugs/install.sh M /issm/trunk-jpl/externalpackages/freetype/install.sh M /issm/trunk-jpl/externalpackages/fti/install.sh M /issm/trunk-jpl/externalpackages/gdal/install-1.10-linux64-nopython.sh M /issm/trunk-jpl/externalpackages/gdal/install-1.10-macosx64.sh M /issm/trunk-jpl/externalpackages/git/install-macosx64-sierra.sh M /issm/trunk-jpl/externalpackages/git/install.sh M /issm/trunk-jpl/externalpackages/gmake/install.sh M /issm/trunk-jpl/externalpackages/gmp/install-linux64.sh M /issm/trunk-jpl/externalpackages/gmsh/install-mac-precompiled.sh M /issm/trunk-jpl/externalpackages/gmsh/install-win64-precompiled.sh M /issm/trunk-jpl/externalpackages/gmt/install-jenkins.sh M /issm/trunk-jpl/externalpackages/gmt/install-mac-precompiled.sh M /issm/trunk-jpl/externalpackages/gmt/install-static.sh M /issm/trunk-jpl/externalpackages/gmt/install-win64-precompiled.sh M /issm/trunk-jpl/externalpackages/gmt/install.sh M /issm/trunk-jpl/externalpackages/gshhg/install.sh M /issm/trunk-jpl/externalpackages/gsl/install-android.sh M /issm/trunk-jpl/externalpackages/gsl/install-greenplanet.sh M /issm/trunk-jpl/externalpackages/gsl/install-ios.sh M /issm/trunk-jpl/externalpackages/gsl/install-javascript.sh M /issm/trunk-jpl/externalpackages/gsl/install-linux64.sh M /issm/trunk-jpl/externalpackages/gsl/install-macosx64.sh M /issm/trunk-jpl/externalpackages/gsl/install-pleiades.sh M /issm/trunk-jpl/externalpackages/gsl/install-walgreen.sh M /issm/trunk-jpl/externalpackages/gslib/install.sh M /issm/trunk-jpl/externalpackages/h5py/install.sh M /issm/trunk-jpl/externalpackages/hdf5/install.sh M /issm/trunk-jpl/externalpackages/ipython/install.sh M /issm/trunk-jpl/externalpackages/kml/install.sh M /issm/trunk-jpl/externalpackages/lapack/install-linux64.sh M /issm/trunk-jpl/externalpackages/lapack/install-macosx64.sh M /issm/trunk-jpl/externalpackages/latex2rtf/install.sh M /issm/trunk-jpl/externalpackages/libermate/install.sh M /issm/trunk-jpl/externalpackages/libpng/install.sh M /issm/trunk-jpl/externalpackages/m1qn3/install-macosx64-snowleopard.sh M /issm/trunk-jpl/externalpackages/m1qn3/install.sh M /issm/trunk-jpl/externalpackages/m2html/install.sh M /issm/trunk-jpl/externalpackages/math77/install.sh M /issm/trunk-jpl/externalpackages/mercurial/install.sh M /issm/trunk-jpl/externalpackages/metis/install-4.0-altix64.sh M /issm/trunk-

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jpl/externalpackages/petsc/install-3.5-greenplanet.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-hpc.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-linux64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades-intel2012.0.032-mpt.2.06rp16.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-win-par.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-win7.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.6-discover.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.6-linux64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.6-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.6-lonestar.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.6-macosx64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.6-macosx64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.6-pleiades.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.6-win10.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.7-aci.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.7-greenplanet.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.7-hpc.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.7-linux64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.7-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.7-macosx64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.7-macosx64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.7-pleiades.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.8-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.8-macosx64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.9-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.9-macosx64.sh M /issm/trunk-jpl/externalpackages/polygonclipper/install.sh M /issm/trunk-jpl/externalpackages/pyclips/install.sh M /issm/trunk-jpl/externalpackages/pysvn/install.sh M /issm/trunk-jpl/externalpackages/python/install-2.7.3-linux64.sh M /issm/trunk-jpl/externalpackages/python/install-2.7.3-macosx-snowleopard.sh M /issm/trunk-jpl/externalpackages/python/install-2.7.3-macosx.sh M /issm/trunk-jpl/externalpackages/python/install-3.2.2-linux64.sh M /issm/trunk-jpl/externalpackages/python/install-3.2.2-macosx-snowleopard.sh M /issm/trunk-jpl/externalpackages/python/install-3.2.2-macosx.sh M /issm/trunk-jpl/externalpackages/qhull/install.sh M /issm/trunk-jpl/externalpackages/rats/install.sh M /issm/trunk-jpl/externalpackages/readline/install.sh M /issm/trunk-jpl/externalpackages/rose/install.sh M /issm/trunk-jpl/externalpackages/satstress/install.sh M /issm/trunk-jpl/externalpackages/scotch/install.sh M /issm/trunk-jpl/externalpackages/scotch/install_macosx.sh M /issm/trunk-jpl/externalpackages/shapelib/install.sh M /issm/trunk-jpl/externalpackages/shell2junit/install.sh M /issm/trunk-jpl/externalpackages/sqlite/install.sh M /issm/trunk-jpl/externalpackages/svn/install.sh M /issm/trunk-jpl/externalpackages/swig/install.sh M /issm/trunk-jpl/externalpackages/tcl/install.sh M /issm/trunk-jpl/externalpackages/tclx/install.sh M /issm/trunk-jpl/externalpackages/tex2im/install.sh M /issm/trunk-jpl/externalpackages/tk/install.sh M /issm/trunk-jpl/externalpackages/triangle/install-altix64.sh M /issm/trunk-jpl/externalpackages/triangle/install-android.sh M /issm/trunk-jpl/externalpackages/triangle/install-discover.sh M /issm/trunk-jpl/externalpackages/triangle/install-iosarmv7s.sh M /issm/trunk-jpl/externalpackages/triangle/install-iosarmv7s.sh M /issm/trunk-jpl/externalpackages/triangle/install-iosi386.sh M /issm/trunk-jpl/externalpackages/triangle/install-javascript.sh M /issm/trunk-jpl/externalpackages/triangle/install-linux64.sh M /issm/trunk-jpl/externalpackages/triangle/install-macosx32.sh M /issm/trunk-jpl/externalpackages/triangle/install-macosx64-snowleopard.sh M /issm/trunk-jpl/externalpackages/triangle/install-macosx64.sh M /issm/trunk-

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Export determination: 6.
Rationale: CHG: Converted Python download script to bash script and updated calls to it (NOTE: Still need to add certificate checking support for HTTPS connections via wget)

Change #19 with diff file ISSM-23418-23419.diff:

Function name:

M /issm/trunk-jpl/scripts/download_external_package.bash

Export determination: 6.

Rationale: BUG: Need to use code 0 for early exit in order for rest of install script to run

Change #20 with diff file ISSM-23419-23420.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh

Export determination: 6.

Rationale: CHG: Removing tests

Change #21 with diff file ISSM-23420-23421.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh

Export determination: 6.

Rationale: CHG: Adjustments to Dakota build script

Change #22 with diff file ISSM-23421-23422.diff:

Function name:

M /issm/trunk-jpl/externalpackages/boost/install-1.55-macosx-el_capitan.sh

Export determination: 6.

Rationale: BUG: Latent python2.7 after grep and sed of download script path.

Change #23 with diff file ISSM-23422-23423.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/stallo.m M /issm/trunk-jpl/src/m/classes/frictionhydro.py

Export determination: 6.

Rationale: BUG:syntax issue in queue scriptclasses/clusters/stallo.m

Change #24 with diff file ISSM-23423-23424.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh

Export determination: 6.

Rationale: CHG: Removed CMAKE_INSTALL_PREFIX option from cmake config as it is patched in by BuildDakotaCustom.cmake

Change #25 with diff file ISSM-23424-23425.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh

Export determination: 6.

Rationale: CHG: Added DAKOTA_JENKINS_BUILD option to cmake config so that path to CMakeCache.txt is properly set

Change #26 with diff file ISSM-23425-23426.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh

Export determination: 6.

Rationale: CHG: Need to double quote args to bash external package download script

Change #27 with diff file ISSM-23426-23427.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh M /issm/trunk-jpl/scripts/download_external_package.bash

Export determination: 6.
Rationale: CHG: Added header documentation and silent flags to get commands
to bash external package download script; modified Dakota install config

Change #28 with diff file ISSM-23427-23428.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test211.js M /issm/trunk-jpl/test/NightlyRun/test211.m

M /issm/trunk-jpl/test/NightlyRun/test211.py

Export determination: 6.

Rationale: CHG: Eased tolerances

Change #29 with diff file ISSM-23428-23429.diff:

Function name:

A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/InstallDarwinDylibs.cmake.patch

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh

Export determination: 6.

Rationale: ADD: Patch for Mac OSX Dakota build

Change #30 with diff file ISSM-23429-23430.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh

Export determination: 6.

Rationale: BUG: Unbound DYLD_LIBRARY_PATH variable

Change #31 with diff file ISSM-23430-23431.diff:

Function name:

M /issm/trunk-jpl/src/m/solvers/mumpsnoneoptions.m M /issm/trunk-jpl/src/m/solvers/mumpsoptions.m

M /issm/trunk-jpl/src/m/solvers/mumpsoptions.py

Export determination: 6.

Rationale: CHG: fixed PETSc warnings

Change #32 with diff file ISSM-23431-23432.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/model.py
Export determination: 6.
Rationale: BUG: fix for model colapse

Change #33 with diff file ISSM-23432-23433.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/model.py
Export determination: 6.
Rationale: BUG:fixing typo

Change #34 with diff file ISSM-23433-23434.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/qmu.py
Export determination: 6.
Rationale: BUG: fixed qmu's `__repr__` function so 'print md.qmu' works

Change #35 with diff file ISSM-23434-23435.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/model.m
Export determination: 6.
Rationale: BUG: check md.settings before define new value for solver_residue_threshold

Change #36 with diff file ISSM-23435-23436.diff:

Function name:
M /issm/trunk-jpl/externalpackages/adjoinablempi/install-macosx64.sh M /issm/trunk-jpl/externalpackages/adjoinablempi/install-pleiades-gcc.sh M /issm/trunk-jpl/externalpackages/adjoinablempi/pleiades.sh M /issm/trunk-jpl/externalpackages/adjoinablempi/install.sh M /issm/trunk-jpl/externalpackages/adolc/install-withhampi-macosx64.sh M /issm/trunk-jpl/externalpackages/adolc/install-withhampi-pleiades-gcc.sh M /issm/trunk-jpl/externalpackages/adolc/install-withhampi-pleiades.sh M /issm/trunk-jpl/externalpackages/adolc/install-withhampi.sh M /issm/trunk-jpl/externalpackages/adolc/install.sh M /issm/trunk-jpl/externalpackages/adolc/old/install-2.2.0.sh M /issm/trunk-jpl/externalpackages/android/android-ndk/install.sh M /issm/trunk-jpl/externalpackages/android/android-ndk/installNDK-linux-x86.sh M /issm/trunk-jpl/externalpackages/android/android-sdk/install.sh M /issm/trunk-jpl/externalpackages/android/android-sdk/installSDK-linux-x86.sh M /issm/trunk-

jpl/externalpackages/apr/install.sh M /issm/trunk-jpl/externalpackages/apr-util/install.sh
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 M /issm/trunk-jpl/externalpackages/pcre/install.sh M /issm/trunk-jpl/externalpackages/petsc/install-
 3.4-acenet.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.4-greenplanet.sh
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 3.4-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.4-macosx64.sh
 M /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-intel2012.0.032-
 mpt.2.06rp16.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-
 mpich2-gcc444.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-
 mpich2-gcc470.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-
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 /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades2.sh M /issm/trunk-
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M /issm/trunk-jpl/externalpackages/petsc/install-3.9-macosx64.sh M /issm/trunk-jpl/externalpackages/polygonclipper/install.sh M /issm/trunk-jpl/externalpackages/pyclips/install.sh
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M /issm/trunk-jpl/externalpackages/shapelib/install.sh M /issm/trunk-jpl/externalpackages/shell2junit/install.sh
M /issm/trunk-jpl/externalpackages/sqlite/install.sh M /issm/trunk-jpl/externalpackages/svn/install.sh
M /issm/trunk-jpl/externalpackages/swig/install.sh M /issm/trunk-jpl/externalpackages/tcl/install.sh
M /issm/trunk-jpl/externalpackages/tclx/install.sh M /issm/trunk-jpl/externalpackages/tex2im/install.sh
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M /issm/trunk-jpl/externalpackages/xerces/install.sh M /issm/trunk-jpl/externalpackages/yams/install.sh
A /issm/trunk-jpl/scripts/DownloadExternalPackage.sh D /issm/trunk-jpl/scripts/download_external_package.sh
Export determination: 6.
Rationale: CHG: Renamed download_external_package.bash -> DownloadExternalPackage.sh and updated calls to it in install scripts

Change #37 with diff file ISSM-23437-23438.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp

Export determination: 6.

Rationale: CHG: add effective pressure for dakota

Change #38 with diff file ISSM-23438-23439.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive445.arch A /issm/trunk-jpl/test/NightlyRun/test445.m

Export determination: 6.

Rationale: NEW: add new dakota test for steadystate solution

Change #39 with diff file ISSM-23439-23440.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp

Export determination: 6.

Rationale: CHG: add heat flux for dakota

Change #40 with diff file ISSM-23440-23441.diff:

Function name:

M /issm/trunk-jpl/src/m/partition/partitioner.py

Export determination: 6.

Rationale: BUG: Python partitioning for 3D meshes had not been tested

Change #41 with diff file ISSM-23441-23442.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive445.arch M /issm/trunk-jpl/test/NightlyRun/test445.m

A /issm/trunk-jpl/test/NightlyRun/test445.py

Export determination: 6.

Rationale: CHG: add python test for the steadystate 3D Dakota run

Change #42 with diff file ISSM-23442-23443.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test445.m M /issm/trunk-jpl/test/NightlyRun/test445.py

Export determination: 6.

Rationale: CHG: loosen dakota tolerances for steady state

Change #43 with diff file ISSM-23443-23444.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive445.arch

Export determination: 6.

Rationale: CHG: use larsen archive

Change #44 with diff file ISSM-23444-23445.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test227.js M /issm/trunk-jpl/test/NightlyRun/test227.m

M /issm/trunk-jpl/test/NightlyRun/test227.py

Export determination: 6.

Rationale: CHG: Eased tolerance

Change #45 with diff file ISSM-23445-23446.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test445.m M /issm/trunk-jpl/test/NightlyRun/test445.py

Export determination: 6.

Rationale: CHG: Eased tolerance

Change #46 with diff file ISSM-23446-23447.diff:

Function name:

M /issm/trunk-jpl/jenkins/windows

Export determination: 6.

Rationale: CHG: Disabling Dakota tests on Win10 build

Change #47 with diff file ISSM-23448-23449.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/InterpFromGridToMeshx/InterpFromGridToMeshx.cpp

Export determination: 6.

Rationale: BUG: fixed interpolation problem

Change #48 with diff file ISSM-23451-23452.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosex_pine-island_dakota_static M /issm/trunk-jpl/jenkins/macosex_pine-island_static

Export determination: 6.

Rationale: CHG: Updated config for Mac binary builds

Change #49 with diff file ISSM-23453-23454.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosex_pine-island_dakota_static M /issm/trunk-jpl/jenkins/macosex_pine-island_static

Export determination: 6.

Rationale: CHG: Updated config for Mac binary builds

Change #50 with diff file ISSM-23455-23456.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh

Export determination: 6.

Rationale: CHG: Corrected config for Mac Dakota

Change #51 with diff file ISSM-23457-23458.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh

Export determination: 6.

Rationale: BUG: Dealing with unbound variable

Change #52 with diff file ISSM-23459-23460.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_codi M /issm/trunk-jpl/src/c/toolkits/mpi/issmmmpi.h

Export determination: 6.

Rationale: BUG: fixing new MeDiPack implementation of CoDiPack

Change #53 with diff file ISSM-23460-23461.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/bmb_core.cpp

Export determination: 6.
Rationale: CHG: added some verbosity to bmb_core

Change #54 with diff file ISSM-23461-23462.diff:

Function name:
M /issm/trunk-jpl/src/m/shp/shp2exp.m
Export determination: 6.
Rationale: BUG: wrong field name

Change #55 with diff file ISSM-23462-23463.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/GLheightadvectionAnalysis.cpp
Export determination: 6.
Rationale: BUG: make sure vx and vy are initialized before they are used and force them to be 0 on boundary

Change #56 with diff file ISSM-23463-23464.diff:

Function name:
M /issm/trunk-jpl/src/m/partition/AreaAverageOntoPartition.py
Export determination: 6.
Rationale: BUG: Fuction now debugged, and add copy model for 3d

Change #57 with diff file ISSM-23464-23465.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test418.py
Export determination: 6.
Rationale: CHG: do not need to add one to partition for python

Change #58 with diff file ISSM-23465-23466.diff:

Function name:
M /issm/trunk-jpl/src/m/partition/AreaAverageOntoPartition.py
Export determination: 6.
Rationale: CHG: fix multiplication error

Change #59 with diff file ISSM-23466-23467.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mask.m

Export determination: 6.

Rationale: CHG: moved forcing to time series

Change #60 with diff file ISSM-23467-23468.diff:

Function name:

D /issm/trunk-jpl/src/m/exp/expswapxy.m M /issm/trunk-jpl/src/m/mesh/rifts/meshaddrifts.m

M /issm/trunk-jpl/src/m/mesh/rifts/rifttipsrefine.m

Export determination: 6.

Rationale: BUG: expread only takes one argument, this code is REALLY old and buggy

Change #61 with diff file ISSM-23468-23469.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/Gembx.cpp M /issm/trunk-

jpl/src/c/modules/SurfaceMassBalancex/SurfaceMassBalancex.h M /issm/trunk-

jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/SMBgemb.m

M /issm/trunk-jpl/src/m/classes/SMBgemb.py M /issm/trunk-jpl/test/NightlyRun/test243.m

M /issm/trunk-jpl/test/NightlyRun/test243.py M /issm/trunk-jpl/test/NightlyRun/test244.m

M /issm/trunk-jpl/test/NightlyRun/test244.py

Export determination: 6.

Rationale: CHG: add snow density options to GEMB

Change #62 with diff file ISSM-23469-23470.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.cpp M /issm/trunk-

jpl/src/c/classes/AdaptiveMeshRefinement.h M /issm/trunk-jpl/src/c/classes/AmrBamg.h

M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: CHG: improving AMR (bamg) with error estimators, and optimizing

AMR (neopz)

Change #63 with diff file ISSM-23470-23471.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test421.m M /issm/trunk-jpl/test/NightlyRun/test421.py

Export determination: 6.

Rationale: CHG: Eased tolerances

Change #64 with diff file ISSM-23471-23472.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.cpp M /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: CHG: added write and read mesh in AMR with NeoPZ

Change #65 with diff file ISSM-23472-23473.diff:

Function name:

M /issm/trunk-jpl/src/m/miscellaneous/transientrestart.m

Export determination: 6.

Rationale: CHG: add Waterfraction and Watercolumn for restart

Change #66 with diff file ISSM-23473-23474.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Profiler.h

M /issm/trunk-jpl/src/c/modules/InputUpdateFromSolutionx/InputUpdateFromSolutionx.cpp

Export determination: 6.

Rationale: CHG: add profiler tag for MPISerial

Change #67 with diff file ISSM-23474-23475.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateModelProcessorx.cpp

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStdString.cpp

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/issmsettings.m

M /issm/trunk-jpl/src/m/classes/issmsettings.py
Export determination: 6.
Rationale: CHG: added coupling frequency of StressBalance solver in transient core

Change #68 with diff file ISSM-23475-23476.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnal

M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/m/classes/frictiontemp.m

Export determination: 6.

Rationale: CHG: make friction coupling available for frictiontemp class

Change #69 with diff file ISSM-23476-23477.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive351.arch A /issm/trunk-jpl/test/NightlyRun/test351.m

Export determination: 6.

Rationale: NEW: added test to check frictiontemp

Change #70 with diff file ISSM-23477-23478.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp

Export determination: 6.

Rationale: CHG: added a small value to exp function in AlphaTemp

Change #71 with diff file ISSM-23478-23479.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive351.arch

Export determination: 6.

Rationale: CHG: updated Archive351

Change #72 with diff file ISSM-23479-23480.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive351.arch

Export determination: 6.
Rationale: CHG: updated Archive351 again

Change #73 with diff file ISSM-23480-23481.diff:

Function name:

A /issm/trunk-jpl/externalpackages/semic A /issm/trunk-jpl/externalpackages/semic/install.sh

Export determination: 6.

Rationale: NEW: added externalpackage SEMIC

Change #74 with diff file ISSM-23481-23482.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h

M /issm/trunk-jpl/src/c/cores/ResetBoundaryConditions.cpp M /issm/trunk-

jpl/src/c/modules/ModelProcessox/ModelProcessox.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessox

Export determination: 6.

Rationale: NEW: splitting constraints into sub datasets to avoid InAnalysis
calls

Change #75 with diff file ISSM-23482-23483.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/Makefile.am

M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am

Export determination: 6.

Rationale: NEW: adding semic as an externalpackage

Change #76 with diff file ISSM-23483-23484.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: BUG: use configuration instead of analysis

Change #77 with diff file ISSM-23484-23485.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/stressbalance_core.cpp
Export determination: 6.
Rationale: BUG: fixed problem with BC now that the right loads have to be loaded

Change #78 with diff file ISSM-23485-23486.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: BUG: fixed BC reset with the right analysis

Change #79 with diff file ISSM-23486-23487.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: CHG: speedup SetCurrentConfiguration by not doing anything if the model is already the right one

Change #80 with diff file ISSM-23487-23488.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: CHG: fixing AMR tests

Change #81 with diff file ISSM-23488-23489.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h
M /issm/trunk-jpl/src/c/classes/Loads/Loads.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h M /issm/trunk-jpl/src/c/modules/SystemMatricesx/SystemMatricesx.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequences.cpp
Export determination: 6.
Rationale: NEW: loads are now an array, analysis specific

Change #82 with diff file ISSM-23489-23490.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: BUG: fixinf restart with new constraints dataset

Change #83 with diff file ISSM-23490-23491.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Loads.cpp M /issm/trunk-jpl/src/c/modules/AllocateSystemMatrices.cpp

M /issm/trunk-jpl/src/c/modules/ConfigureObjectsx/ConfigureObjectsx.cpp M

/issm/trunk-jpl/src/c/modules/ConstraintsStatex/ConstraintsStatex.cpp M /issm/trunk-

jpl/src/c/modules/ConstraintsStatex/RiftConstraintsState.cpp M /issm/trunk-

jpl/src/c/modules/CreateJacobianMatrixx/CreateJacobianMatrixx.cpp M /issm/trunk-

jpl/src/c/modules/ResetConstraintsx/ResetConstraintsx.cpp M /issm/trunk-jpl/src/c/modules/SystemMatrices.cpp

Export determination: 6.

Rationale: CHG: removeing some if, moving to assert now that loads are always in analys

Change #84 with diff file ISSM-23491-23492.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4

Export determination: 6.

Rationale: CHG: Fixing SEMIC Path

Change #85 with diff file ISSM-23492-23493.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive509.arch M /issm/trunk-jpl/test/Archives/Archive513.arch

Export determination: 6.

Rationale: CHG: updated archive, stressbalance is saving loads, and pengrid copy resets the active field, which should not happen for the thermal loads, this was a bug

Change #86 with diff file ISSM-23493-23494.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h
Export determination: 6.
Rationale: NEW: making nodes a list instead of one giant dataset

Change #87 with diff file ISSM-23494-23495.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: BUG: fixing AMR

Change #88 with diff file ISSM-23495-23496.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/test/Archives/Archive509.arch
Export determination: 6.
Rationale: BUG: fixed hydro model

Change #89 with diff file ISSM-23496-23497.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test509.m M /issm/trunk-jpl/test/NightlyRun/test509.py
Export determination: 6.
Rationale: CHG: relaxing tolerances

Change #90 with diff file ISSM-23497-23498.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test509.m
Export determination: 6.
Rationale: CHG: minor

Change #91 with diff file ISSM-23498-23499.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test351.m
Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #92 with diff file ISSM-23499-23500.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Nodes.cpp
M /issm/trunk-jpl/src/c/modules/AllocateSystemMatricesx/AllocateSystemMatricesx.cpp
M /issm/trunk-jpl/src/c/modules/CreateNodalConstraintsx/CreateNodalConstraintsx.cpp
M /issm/trunk-jpl/src/c/modules/Reducevectortofx/Reducevectortofx.cpp M
/issm/trunk-jpl/src/c/modules/VecMergex/VecMergex.cpp

Export determination: 6.

Rationale: CHG: moving InAnalysis to asserts

Change #93 with diff file ISSM-23500-23501.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: BUG: fixing pb when config type is not the same as analysis type

Change #94 with diff file ISSM-23501-23502.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.cpp M /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.h M /issm/trunk-jpl/src/c/classes/AmrBamg.cpp
M /issm/trunk-jpl/src/c/classes/AmrBamg.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/cores/transient_core.cpp

Export determination: 6.

Rationale: CHG: optimizing AMR (distance to GL parallelized, global mesh data structure is kept in AMR object, GetMesh is changed such that no z-coordinate is necessary)

Change #95 with diff file ISSM-23502-23503.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Vertices.cpp M /issm/trunk-jpl/src/c/classes/Vertices.h

Export determination: 6.

Rationale: CHG: trying to simplify Vertices Pid distribution, more changes to come

Change #96 with diff file ISSM-23503-23504.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/hydrologypism.m M /issm/trunk-jpl/src/m/classes/model.m

Export determination: 6.

Rationale: CHG: added backward compatibility

Change #97 with diff file ISSM-23504-23505.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ElementsAndVerticesPartitioning.cpp

Export determination: 6.

Rationale: CHG: cosmetics

Change #98 with diff file ISSM-23505-23506.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/classes/IoModel.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Da
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ElementsAndVerticesPartitioning.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/NodesPartitioning.cpp

Export determination: 6.

Rationale: CHG: converting my_vertices back to bool

Change #99 with diff file ISSM-23506-23507.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Vertices.cpp

Export determination: 6.

Rationale: CHG: fixing SE runs

Change #100 with diff file ISSM-23507-23508.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/GLheightadvectionAnalysis.cpp

Export determination: 6.
Rationale: BUG: dirichlets were not properly set

Change #101 with diff file ISSM-23508-23509.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Elements/PrintArrays.cpp M /issm/trunk-jpl/src/c/shared/Elements/elementary
Export determination: 6.
Rationale: NEW: very handy function to print array as a MATLAB file for further analysis

Change #102 with diff file ISSM-23509-23510.diff:
Function name:
A /issm/trunk-jpl/test/Archives/Archive471.arch A /issm/trunk-jpl/test/NightlyRun/test471.m
Export determination: 6.
Rationale: NEW: Add Nightly Run for PICOP melt rate parameterization

Change #103 with diff file ISSM-23510-23511.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive471.arch
Export determination: 6.
Rationale: CHG: Fix error on test 471

Change #104 with diff file ISSM-23511-23512.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive471.arch
Export determination: 6.
Rationale: CHG: Update 471 Archive

Change #105 with diff file ISSM-23512-23513.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive471.arch
Export determination: 6.
Rationale: CHG: fixed archive

Change #106 with diff file ISSM-23513-23514.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/classes/IoModel.h

Export determination: 6.

Rationale: CHG: added epart to IoModel for element/vertices partitioning

Change #107 with diff file ISSM-23514-23515.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ElementsAndVerticesPartitioning.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h

Export determination: 6.

Rationale: CHG: moving epart to iomodel

Change #108 with diff file ISSM-23515-23516.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp

Export determination: 6.

Rationale: CHG: reorganizing function, splitting into 3

Change #109 with diff file ISSM-23516-23517.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNumberNodeToElementConnectivity.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h

Export determination: 6.

Rationale: CHG: cleaning up, solution_type should not be in CreateConnectivity, this function should not be called in the first place

Change #110 with diff file ISSM-23517-23518.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive809.arch A /issm/trunk-jpl/test/NightlyRun/test809.m

Export determination: 6.
Rationale: NEW: add new test for crevassedepth calving

Change #111 with diff file ISSM-23518-23519.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.cpp M /issm/trunk-jpl/src/c/classes/Vertices.cpp

M /issm/trunk-jpl/src/c/classes/Vertices.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElement

Export determination: 6.

Rationale: NEW: added communications to vertices

Change #112 with diff file ISSM-23519-23520.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Vertex.cpp M /issm/trunk-jpl/src/c/classes/Vertex.h

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp

Export determination: 6.

Rationale: CHG: set clone at constructor

Change #113 with diff file ISSM-23520-23521.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Vertices.cpp

Export determination: 6.

Rationale: CHG: fixing xDelete

Change #114 with diff file ISSM-23521-23522.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Vertices.cpp M /issm/trunk-jpl/src/c/classes/Vertices.h

Export determination: 6.

Rationale: BUG: fixing dakota, copy method of vertices was missing

Change #115 with diff file ISSM-23522-23523.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Vertex.cpp

M /issm/trunk-jpl/src/c/classes/Vertex.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElement

Export determination: 6.

Rationale: CHG: turning off VerticesDofx, PIDs are distributed by constructor

Change #116 with diff file ISSM-23523-23524.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Vertex.cpp

Export determination: 6.

Rationale: BUG: clone was not properly passed

Change #117 with diff file ISSM-23524-23525.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Loads/Load.h
M /issm/trunk-jpl/src/c/classes/Loads/Loads.cpp M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.h M /issm/trunk-jpl/src/c/classes/Materials/Material.h
M /issm/trunk-jpl/src/c/classes/Materials/Matestar.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matestar.h
M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matrice.h
M /issm/trunk-jpl/src/c/classes/Materials/Matlitho.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matlitho.h
M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matpar.h
M /issm/trunk-jpl/src/c/classes/Node.h D /issm/trunk-jpl/src/c/classes/Update.h
M /issm/trunk-jpl/src/c/classes/classes.h M /issm/trunk-jpl/src/c/modules/InputUpdateFromConstantx/Inp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorDakotax/InputUpdateFromVectorDakotax.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorx/InputUpdateFromVectorx.cpp
M /issm/trunk-jpl/src/c/modules/ResetConstraintsx/ResetConstraintsx.cpp M
/issm/trunk-jpl/src/c/modules/ResetConstraintsx/ResetConstraintsx.h M /issm/trunk-
jpl/src/c/modules/SetActiveNodesLSMx/SetActiveNodesLSMx.cpp M /issm/trunk-
jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/c/solutionsequences/soluti
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_thermal_nonlinear.cpp

Export determination: 6.

Rationale: CHG: cleaning up inputupdate, removing Update class, now that
inputs are always in element

Change #118 with diff file ISSM-23525-23526.diff:

Function name:

M /issm/trunk-jpl/externalpackages/semic/install.sh A /issm/trunk-jpl/externalpackages/semic/surface_physi

Export determination: 6.

Rationale: CHG: added patch to SEMIC routine surface_physics

Change #119 with diff file ISSM-23526-23527.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/classes/friction.py

M /issm/trunk-jpl/src/m/classes/frictionhydro.py M /issm/trunk-jpl/src/m/contrib/defleurian/paraview/enve

Export determination: 6.

Rationale: NEW:adding coupling ability in friction_hydro

Change #120 with diff file ISSM-23527-23528.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/runme.py

Export determination: 6.

Rationale: CHG: Nullifying benchmark is specific id is asked

Change #121 with diff file ISSM-23528-23529.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-

jpl/src/c/analyses/HydrologyDCEfficientAnalysis.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp

M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp

Export determination: 6.

Rationale: CHG:minor hydro cleanup and verbose

Change #122 with diff file ISSM-23529-23530.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/InputUpdateFromMatrixDakotax/InputUpdateFromMatrixDakotax.cpp

Export determination: 6.

Rationale: BUG: Dakota should not update materials inputs since they don't exist

Change #123 with diff file ISSM-23530-23531.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_dakota M /issm/trunk-jpl/jenkins/macosx_pine-island_dakota

Export determination: 6.

Rationale: CHG: added -std=c++11 to silent annoying warning

Change #124 with diff file ISSM-23531-23532.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp

Export determination: 6.

Rationale: BUG:fixing an error in the writting of frictionhydro

Change #125 with diff file ISSM-23532-23533.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShaktiAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/ElementHook.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/classes/IOModel.cpp M /issm/trunk-jpl/src/c/classes/IOModel.h M /issm/trunk-jpl/src/c/classes/Loads/Moulin.cpp M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.cpp M /issm/trunk-jpl/src/c/classes/Loads/Numericalflow.cpp M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp M /issm/trunk-jpl/src/c/modules/IOModelToConstraint.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.cpp M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiSpawning.cpp

Export determination: 6.

Rationale: CHG: getting rid of counters now that all datasets are analysis specific

Change #126 with diff file ISSM-23533-23534.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Constraints/Constraints.cpp M /issm/trunk-jpl/src/c/classes/Constraints/Constraints.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp

Export determination: 6.

Rationale: BUG: fixed numbering

Change #127 with diff file ISSM-23534-23535.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/classes/friction.py

Export determination: 6.

Rationale: CHG: reverting to see if this fixes ADOLC NR

Change #128 with diff file ISSM-23535-23536.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/runme.py

Export determination: 6.

Rationale: CHR:reverting to see if it fixes ADOLC

Change #129 with diff file ISSM-23536-23537.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/friction.py

Export determination: 6.

Rationale: CHG: reverted now that source has been identified

Change #130 with diff file ISSM-23537-23538.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/flowequation.py

Export determination: 6.

Rationale: CHG: reverted now that source has been identified

Change #131 with diff file ISSM-23538-23539.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp

Export determination: 6.

Rationale: BUG:reverting friction hydro to original after check

Change #132 with diff file ISSM-23539-23540.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test104.js M /issm/trunk-jpl/test/NightlyRun/test104.m

M /issm/trunk-jpl/test/NightlyRun/test104.py

Export determination: 6.

Rationale: CHG: relaxed tolerance

Change #133 with diff file ISSM-23540-23541.diff:

Function name:

M /issm/trunk-jpl/externalpackages/semic/install.sh M /issm/trunk-jpl/m4/issm_options.m4

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h

M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.h

A /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/run_semic.f90 M /issm/trunk-

jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp M /issm/trunk-jpl/src/c/shared/io/Marshalling/

A /issm/trunk-jpl/src/m/classes/SMBsemic.m

Export determination: 6.

Rationale: NEW: Added SEMIC capability

Change #134 with diff file ISSM-23541-23542.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive246.arch A /issm/trunk-jpl/test/NightlyRun/test246.m

Export determination: 6.

Rationale: NEW: added test case for SMBsemic

Change #135 with diff file ISSM-23542-23543.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Materials/Matpar.h

Export determination: 6.

Rationale: CHG: fixing rdl

Change #136 with diff file ISSM-23543-23544.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross

Export determination: 6.

Rationale: CHG: added semic

Change #137 with diff file ISSM-23544-23545.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h

M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp

Export determination: 6.

Rationale: CHG:change in the treatment of substep results in hydrology to improve memory usage

Change #138 with diff file ISSM-23545-23546.diff:

Function name:

M /issm/trunk-jpl/externalpackages/semic/install.sh

Export determination: 6.

Rationale: BUG: fixed FFLAGS unbound variable

Change #139 with diff file ISSM-23546-23547.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-

jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp

M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.cpp

M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.h M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp

Export determination: 6.

Rationale: CHG:clean up of old hydro substepping and change in reset of inactive EPL

Change #140 with diff file ISSM-23547-23548.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: BUG: has to allocate memory for vector zeros

Change #141 with diff file ISSM-23548-23549.diff:

Function name:

M /issm/trunk-jpl/src/c/datastructures/DataSet.cpp
Export determination: 6.
Rationale: CHG: added check on ordering

Change #142 with diff file ISSM-23549-23550.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_ross D /issm/trunk-jpl/test/NightlyRun/test246.m
Export determination: 6.
Rationale: CHG: deactivating SEMIC for now

Change #143 with diff file ISSM-23550-23551.diff:
Function name:
M /issm/trunk-jpl/externalpackages/semic/install.sh
Export determination: 6.
Rationale: CHG: moving modules to install as well

Change #144 with diff file ISSM-23551-23552.diff:
Function name:
M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/Makefile.am
M /issm/trunk-jpl/src/c/datastructures/DataSet.cpp
Export determination: 6.
Rationale: BUG: fixed semic include

Change #145 with diff file ISSM-23552-23553.diff:
Function name:
A /issm/trunk-jpl/test/NightlyRun/test246.m
Export determination: 6.
Rationale: CHG: reactivate test case for SMBsemic

Change #146 with diff file ISSM-23553-23554.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_ross
Export determination: 6.

Rationale: CHG: reactivating semic

Change #147 with diff file ISSM-23554-23555.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_dakota M /issm/trunk-jpl/jenkins/macosx_pine-island M /issm/trunk-jpl/jenkins/macosx_pine-island_dakota

Export determination: 6.

Rationale: CHG: activating semic

Change #148 with diff file ISSM-23555-23556.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4

Export determination: 6.

Rationale: CHG: minor to trigger jenkins reconfiguration

Change #149 with diff file ISSM-23556-23557.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelPr

Export determination: 6.

Rationale: CHG: reordering UpdateElements so that element can tell which nodes belong to it

Change #150 with diff file ISSM-23557-23558.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelPr

Export determination: 6.

Rationale: CHG: reverting back for now

Change #151 with diff file ISSM-23558-23559.diff:

Function name:

M /issm/trunk-jpl/src/c

Export determination: 6.

Rationale: CHG: getting svn to ignore some files

Change #152 with diff file ISSM-23559-23560.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Node.cpp
M /issm/trunk-jpl/src/c/classes/Node.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElements.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp

Export determination: 6.

Rationale: NEW: added pids to nodes, for communication purposes

Change #153 with diff file ISSM-23560-23561.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/tsantos/mismip/if_position.m

Export determination: 6.

Rationale: NEW: matlab function to find ice front positions

Change #154 with diff file ISSM-23561-23562.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/classes/DofIndexing.cpp
M /issm/trunk-jpl/src/c/classes/DofIndexing.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp

Export determination: 6.

Rationale: CHG: adding clone to constructor and cleaned up a few functions never used

Change #155 with diff file ISSM-23562-23563.diff:

Function name:

M /issm/trunk-jpl/src/m/consistency/checkfield.py

Export determination: 6.

Rationale: CHG: change in the treatment of dim2 tables (less aggressive)

Change #156 with diff file ISSM-23563-23564.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/plotoptions.py M /issm/trunk-jpl/src/m/plot/applyoptions.py

M /issm/trunk-jpl/src/m/plot/plot_manager.py M /issm/trunk-jpl/src/m/plot/plot_overlay.py

M /issm/trunk-jpl/src/m/plot/plot_streamlines.py M /issm/trunk-jpl/src/m/plot/plot_unit.py

Export determination: 6.

Rationale: CHG: updating overlay for plotmodel

Change #157 with diff file ISSM-23565-23566.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.7-macosx64-static.sh

Export determination: 6.

Rationale: CHG: Corrected issue with PETSc not compiling statically

Change #158 with diff file ISSM-23566-23567.diff:

Function name:

M /issm/trunk-jpl/externalpackages/mpich/install-3.2-macosx64-static.sh

Export determination: 6.

Rationale: CHG: Corrected issue with MPICH not compiling statically

Change #159 with diff file ISSM-23568-23569.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/classes/IoModel.h

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateEdges.cpp M /issm/trunk-

jpl/src/c/modules/ModelProcessorx/EdgesPartitioning.cpp

Export determination: 6.

Rationale: CHG: working on edge partitioning for new nodes implementation

Change #160 with diff file ISSM-23569-23570.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateEdges.cpp

Export determination: 6.

Rationale: BUG: chain algorithm not properly set

Change #161 with diff file ISSM-23570-23571.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/classes/IoModel.h

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateEdges.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateFaces.cpp

Export determination: 6.

Rationale: CHG: added some more fields to iomodel for penta

Change #162 with diff file ISSM-23571-23572.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/FacesPartitioning.cpp

Export determination: 6.

Rationale: CHG: added some more fields to iomodel for penta

Change #163 with diff file ISSM-23572-23573.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Vertices.cpp

Export determination: 6.

Rationale: CHG: minor

Change #164 with diff file ISSM-23573-23574.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/classes/Nodes.h

Export determination: 6.

Rationale: CHG: new fields for nodes (comm)

Change #165 with diff file ISSM-23574-23575.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/classes/Nodes.h

Export determination: 6.

Rationale: CHG: fixing marshall and copy for dakota

Change #166 with diff file ISSM-23575-23576.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Nodes.cpp
Export determination: 6.
Rationale: BUG: do not marshall comms for now

Change #167 with diff file ISSM-23576-23577.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h M /issm/trunk-jpl/src/c/modules/NodesDofx/NodesDofx.cpp
Export determination: 6.
Rationale: CHG: changing way clones are flagged and nodes are numbered

Change #168 with diff file ISSM-23577-23578.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test101.m M /issm/trunk-jpl/test/NightlyRun/test101.py
Export determination: 6.
Rationale: CHG: Eased tolerances

Change #169 with diff file ISSM-23578-23579.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp
Export determination: 6.
Rationale: CHG: some checks in iomodel and isautodiff is a constant, not a dataset

Change #170 with diff file ISSM-23579-23580.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp
Export determination: 6.
Rationale: CHG: some checks in iomodel and isautodiff is a constant, not a dataset

Change #171 with diff file ISSM-23580-23581.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/IoModel.cpp

Export determination: 6.

Rationale: BUG: reverting

Change #172 with diff file ISSM-23581-23582.diff:

Function name:

M /issm/trunk-jpl/src/m/exp/functionSignatures.json

Export determination: 6.

Rationale: CHG: added exp extension

Change #173 with diff file ISSM-23582-23583.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessox/CreateElementsVerticesAndMaterials.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessox/ElementsAndVerticesPartitioning.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessox/ModelProcessox.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessox/ModelProcessox.h

Export determination: 6.

Rationale: CHG: fixing vertex pairing and splitting CreateElementsVerticesAndMaterials.cpp

Change #174 with diff file ISSM-23583-23584.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SpcNodesx/SpcNodesx.cpp

Export determination: 6.

Rationale: CHG: constraints has to be in analysis

Change #175 with diff file ISSM-23584-23585.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessox/CreateNodes.cpp

Export determination: 6.

Rationale: CHG: fixing vertex pairing and splitting CreateElementsVerticesAndMaterials.cpp

Change #176 with diff file ISSM-23585-23586.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.cpp M /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.h M /issm/trunk-jpl/src/c/analyses/AdjointBalancethicknessAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/AdjointBalancethicknessAnalysis.h M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.h M /issm/trunk-jpl/src/c/analyses/Analysis.h M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.cpp M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.h M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.h M /issm/trunk-jpl/src/c/analyses/BalancethicknessSoftAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancethicknessSoftAnalysis.h M /issm/trunk-jpl/src/c/analyses/BalancevelocityAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancevelocityAnalysis.h M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.h M /issm/trunk-jpl/src/c/analyses/DepthAverageAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/DepthAverageAnalysis.h M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.h M /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.h M /issm/trunk-jpl/src/c/analyses/EsaAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/EsaAnalysis.h M /issm/trunk-jpl/src/c/analyses/ExtrapolationAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ExtrapolationAnalysis.h M /issm/trunk-jpl/src/c/analyses/ExtrudeFromBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ExtrudeFromBaseAnalysis.h M /issm/trunk-jpl/src/c/analyses/ExtrudeFromTopAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ExtrudeFromTopAnalysis.h M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.h M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.h M /issm/trunk-jpl/src/c/analyses/GLheightadvectionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/GLheightadvectionAnalysis.h M /issm/trunk-jpl/src/c/analyses/GiaIvinsAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/GiaIvinsAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyPismAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyPismAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyShaktiAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShaktiAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.h M /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseAnalysis.h M /issm/trunk-jpl/src/c/analyses/L2ProjectionEPLAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/L2ProjectionEPLAnalysis.h M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.h M /issm/trunk-jpl/src/c/analyses/LoveAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LoveAnalysis.h M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.h M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.h M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.h M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.h M /issm/trunk-jpl/src/c/analyses/SmoothAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmoothAnalysis.h M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.h M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.h M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.h M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.h

M /issm/trunk-jpl/src/c/analyses/UzawaPressureAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/UzawaPressureAnalysis.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h M /issm/trunk-jpl/src/c/classes/Vertex.cpp M /issm/trunk-jpl/src/c/classes/Vertex.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElements.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ElementsAndVerticesPartitioning.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h

Export determination: 6.

Rationale: CHG: AMR now uses a lot more of the model processor functions.

In some cases, we now have to pass the flag isAMR so that fields from iomodel are not loaded

Change #177 with diff file ISSM-23586-23587.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/classes/Nodes.h M /issm/trunk-jpl/src/c/classes/Vertices.cpp M /issm/trunk-jpl/src/c/classes/Vertices.h M /issm/trunk-jpl/src/c/modules/NodesDofx/NodesDofx.cpp D /issm/trunk-jpl/src/c/modules/VerticesDofx/VerticesDofx.cpp D /issm/trunk-jpl/src/c/modules/VerticesDofx/VerticesDofx.h M /issm/trunk-jpl/src/c/modules/modules.h

Export determination: 6.

Rationale: CHG: remove Flag Clones method of vertices, now that this is done by the constructor

Change #178 with diff file ISSM-23587-23588.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Loads.cpp M /issm/trunk-jpl/src/c/classes/Loads/Loads.h M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/classes/Nodes.h M /issm/trunk-jpl/src/c/cores/esa_core.cpp M /issm/trunk-jpl/src/c/cores/sealevelrise_core.cpp M /issm/trunk-jpl/src/c/modules/AllocateSystemMatrices.cpp M /issm/trunk-jpl/src/c/modules/CreateNodalConstraintsx/CreateNodalConstraintsx.cpp M /issm/trunk-jpl/src/c/modules/CreateNodalConstraintsx/CreateNodalConstraintsx.h M /issm/trunk-jpl/src/c/modules/GetSolutionFromInputsx/GetSolutionFromInputsx.cpp M /issm/trunk-jpl/src/c/modules/Mergesolutionfromftogx/Mergesolutionfromftogx.cpp M /issm/trunk-jpl/src/c/modules/NodesDofx/NodesDofx.cpp M /issm/trunk-jpl/src/c/modules/NodesDofx/NodesDofx.h M /issm/trunk-jpl/src/c/modules/Reducevectortogtofx/Reducevectortogtofx.h

M /issm/trunk-jpl/src/c/modules/SetActiveNodesLSMx/SetActiveNodesLSMx.cpp
M /issm/trunk-jpl/src/c/modules/SpcNodesx/SpcNodesx.cpp M /issm/trunk-jpl/src/c/modules/SpcNodesx/SpcNodesx.h M /issm/trunk-jpl/src/c/modules/SystemMatricesx/SystemMatricesx.h
M /issm/trunk-jpl/src/c/modules/VecMergex/VecMergex.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_adjoint_linear.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_hydro_nonlinear.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_la.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_linear.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_newton.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_schurcg.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_shakti_nonlinear.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_stokescoupling_nonlinear.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_thermal_nonlinear.cpp

Export determination: 6.

Rationale: CHG: simplifying some functions now that nodes and loads are for one single analysis

Change #179 with diff file ISSM-23588-23589.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Constraints/Constraint.h M /issm/trunk-jpl/src/c/classes/Constraints/Constraints.h
M /issm/trunk-jpl/src/c/classes/Constraints/SpcDynamic.cpp M /issm/trunk-jpl/src/c/classes/Constraints/SpcDynamic.h M /issm/trunk-jpl/src/c/classes/Constraints/SpcStatic.cpp M /issm/trunk-jpl/src/c/classes/Constraints/SpcStatic.h M /issm/trunk-jpl/src/c/classes/Constraints/SpcTransient.h M /issm/trunk-jpl/src/c/classes/Constraints/SpcTransient.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Load.h M /issm/trunk-jpl/src/c/classes/Loads/Moulin.cpp M /issm/trunk-jpl/src/c/classes/Loads/Moulin.h M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.cpp M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.h M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.h M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.h M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp M /issm/trunk-jpl/src/c/classes/Loads/Penpair.h M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.h M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h M /issm/trunk-jpl/src/c/modules/ConfigureObjectsx/ConfigureObjectsx.cpp M /issm/trunk-jpl/src/c/modules/ConstraintsStatex/ConstraintsStatex.cpp M /issm/trunk-jpl/src/c/modules/ConstraintsStatex/RiftConstraintsState.cpp M /issm/trunk-jpl/src/c/modules/CreateJacobianMatrixx/CreateJacobianMatrixx.cpp M /issm/trunk-jpl/src/c/modules/ResetConstraintsx/ResetConstraintsx.cpp M /issm/trunk-jpl/src/c/modules/UpdateDynamicObjectsx/UpdateDynamicObjectsx.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_fct.cpp

Export determination: 6.

Rationale: CHG: removing IsAnalysis now that each constraint, node and load is in an analysis specific dataset

Change #180 with diff file ISSM-23589-23590.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/gia_core.cpp

Export determination: 6.

Rationale: CHG: removing IsAnalysis now that each constraint, node and load is in an analysis specific dataset

Change #181 with diff file ISSM-23590-23591.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp

Export determination: 6.

Rationale: CHG: minor

Change #182 with diff file ISSM-23591-23592.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp

Export determination: 6.

Rationale: CHG: minor

Change #183 with diff file ISSM-23592-23593.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/UpdateDynamicConstraintsx/UpdateDynamicConstraintsx.cpp

Export determination: 6.

Rationale: BUG: forgot to add check on constraint type

Change #184 with diff file ISSM-23593-23594.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp

Export determination: 6.

Rationale: CHG: special case for UzawaPressureAnalysis

Change #185 with diff file ISSM-23594-23595.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test322.m M /issm/trunk-jpl/test/NightlyRun/test322.py
Export determination: 6.
Rationale: CHG: relaxed tolerances

Change #186 with diff file ISSM-23595-23596.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test460.m M /issm/trunk-jpl/test/NightlyRun/test460.py
Export determination: 6.
Rationale: CHG: relaxed tolerances

Change #187 with diff file ISSM-23596-23597.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test460.py
Export determination: 6.
Rationale: BUG: bad indentation

Change #188 with diff file ISSM-23597-23598.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Nodes.cpp
Export determination: 6.
Rationale: CHG: added marshalling of comms

Change #189 with diff file ISSM-23598-23599.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: CHG: removed printf

Change #190 with diff file ISSM-23599-23600.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h

M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/classes/Vertex.cpp
M /issm/trunk-jpl/src/c/classes/Vertex.h M /issm/trunk-jpl/src/c/classes/Vertices.cpp
M /issm/trunk-jpl/src/c/classes/Vertices.h
Export determination: 6.
Rationale: CHG: more cleanup

Change #191 with diff file ISSM-23600-23601.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h
M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/modules/NodesDofx/NodesDofx.cpp
Export determination: 6.
Rationale: NEW: new implementation of dof distribution, passing only clone
information

Change #192 with diff file ISSM-23601-23602.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/LoveAnalysis.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Creation
Export determination: 6.
Rationale: CHG: moving some params to analysis

Change #193 with diff file ISSM-23602-23603.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/Node.cpp
M /issm/trunk-jpl/src/c/classes/Node.h M /issm/trunk-jpl/src/c/modules/Mergesolutionfromftogx/Mergesolutionfromftogx.cpp
D /issm/trunk-jpl/src/c/modules/VecMergex M /issm/trunk-jpl/src/c/modules/modules.h
M /issm/trunk-jpl/src/c/toolkits/issm/IssmAbsVec.h M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiVec.h
M /issm/trunk-jpl/src/c/toolkits/issm/IssmSeqVec.h M /issm/trunk-jpl/src/c/toolkits/issm/IssmVec.h
M /issm/trunk-jpl/src/c/toolkits/objects/Vector.h M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscVec.h
M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscVec.h D /issm/trunk-jpl/src/c/toolkits/petsc/patches/VecMergex
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/petscpatches.h
Export determination: 6.
Rationale: NEW: Mergesolution from f to g is now working without MPI calls,
for speed and efficiency, and cleaned up many things in the code'

Change #194 with diff file ISSM-23603-23604.diff:

Function name:
M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiVec.h
Export determination: 6.
Rationale: BUG: fixed AD

Change #195 with diff file ISSM-23604-23605.diff:

Function name:
M /issm/trunk-jpl/src/c/toolkits/issm/IssmAbsVec.h M /issm/trunk-jpl/src/c/toolkits/issm/IssmSeqVec.h
M /issm/trunk-jpl/src/c/toolkits/issm/IssmVec.h M /issm/trunk-jpl/src/c/toolkits/objects/Vector.h
M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscVec.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscVec.h
Export determination: 6.
Rationale: BUG: fixed AD

Change #196 with diff file ISSM-23605-23606.diff:

Function name:
M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiVec.h
Export determination: 6.
Rationale: BUG: fixed AD

Change #197 with diff file ISSM-23606-23607.diff:

Function name:
M /issm/trunk-jpl/src/c/toolkits/issm/IssmSeqVec.h
Export determination: 6.
Rationale: CHG: added GetLocalVector to IssmSeqVec

Change #198 with diff file ISSM-23607-23608.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: updated crevasse-depth calving law

Change #199 with diff file ISSM-23608-23609.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test809.m
Export determination: 6.
Rationale: CHG: updated test for crevasse-depth calving

Change #200 with diff file ISSM-23609-23610.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/calvingcrevassedepth.m
Export determination: 6.
Rationale: CHG: updated crevasse-depth calving law

Change #201 with diff file ISSM-23610-23611.diff:
Function name:
M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscVec.cpp
Export determination: 6.
Rationale: CHG: implemented Local vector size

Change #202 with diff file ISSM-23611-23612.diff:
Function name:
A /issm/trunk-jpl/externalpackages/petsc/install-3.6-aurora.sh M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: compilation for JPL cluster

Change #203 with diff file ISSM-23612-23613.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am D /issm/trunk-jpl/src/c/classes/DofIndexing.cpp
D /issm/trunk-jpl/src/c/classes/DofIndexing.h M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Moulin.cpp M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp
M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h
M /issm/trunk-jpl/src/c/classes/classes.h M /issm/trunk-jpl/src/c/modules/AllocateSystemMatricesx/AllocateSystemMatricesx.cpp
M /issm/trunk-jpl/src/c/modules/GetSolutionFromInputsx/GetSolutionFromInputsx.cpp
Export determination: 6.

Rationale: CHG: merging Dofindexing and node

Change #204 with diff file ISSM-23613-23614.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mpi/issmmmpi.h

Export determination: 6.

Rationale: CHG: new codipack path

Change #205 with diff file ISSM-23614-23615.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp

Export determination: 6.

Rationale: BUG: problem with marshall of node

Change #206 with diff file ISSM-23615-23616.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/clusters/aurora.m

Export determination: 6.

Rationale: NEW: add new JPL cluster class

Change #207 with diff file ISSM-23616-23617.diff:

Function name:

A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/BuildDakotaCustom.cmake.aurora.patch

A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/CMakeLists.txt.aurora.patch

A /issm/trunk-jpl/externalpackages/dakota/install-6.2-aurora.sh M /issm/trunk-

jpl/externalpackages/petsc/install-3.6-aurora.sh

Export determination: 6.

Rationale: CHG: dakota install for jpl cluster

Change #208 with diff file ISSM-23617-23618.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/clusters/localaurora.m

Export determination: 6.

Rationale: CHG: class to run jpl cluster locally

Change #209 with diff file ISSM-23618-23619.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/aurora.m M /issm/trunk-jpl/src/m/classes/clusters/localaurora.m

Export determination: 6.

Rationale: CHG: add dakota and ocean exec options

Change #210 with diff file ISSM-23619-23620.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test209.m M /issm/trunk-jpl/test/NightlyRun/test209.py

Export determination: 6.

Rationale: CHG: tolerance test209

Change #211 with diff file ISSM-23620-23621.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp

Export determination: 6.

Rationale: CHG: Update FrictionCoupling flags

Change #212 with diff file ISSM-23621-23622.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/friction.m

Export determination: 6.

Rationale: CHG: enable FrictionCoupling flag 4

Change #213 with diff file ISSM-23622-23623.diff:

Function name:

A /issm/trunk-jpl/externalpackages/petsc/install-3.9-aurora.sh

Export determination: 6.

Rationale: NEW: added install-3.9-aurora.sh

Change #214 with diff file ISSM-23623-23624.diff:

Function name:

M /issm/trunk-jpl/externalpackages/polygonclipper/install.sh

Export determination: 6.

Rationale: BUG: fixed polygonclipper with new version of MATLAB

Change #215 with diff file ISSM-23624-23625.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/aurora.m

Export determination: 6.

Rationale: CHG: added aurora_settings call

Change #216 with diff file ISSM-23625-23626.diff:

Function name:

D /issm/trunk-jpl/src/m/classes/clusters/localaurora.m

Export determination: 6.

Rationale: CHG: not needed

Change #217 with diff file ISSM-23626-23627.diff:

Function name:

A /issm/trunk-jpl/externalpackages/boost/configs/1.55/ordered_index.hpp.patch

M /issm/trunk-jpl/externalpackages/boost/install-1.55-lonestar.sh M /issm/trunk-

jpl/externalpackages/dakota/configs/6.2/CMakeLists.txt.lonestar.patch A /issm/trunk-

jpl/externalpackages/dakota/configs/6.2/DakotaInterface.patch A /issm/trunk-

jpl/externalpackages/dakota/configs/6.2/MainEffectsExcelOutput.patch A /issm/trunk-

jpl/externalpackages/dakota/configs/6.2/NKM_KrigingModel.patch M /issm/trunk-

jpl/externalpackages/dakota/install-6.2-lonestar.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.6-lonestar.sh

Export determination: 6.

Rationale: CHG: update lonestar install

Change #218 with diff file ISSM-23627-23628.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h

M /issm/trunk-jpl/src/c/classes/Nodes.cpp

Export determination: 6.

Rationale: CHG: revisited how dofs are allocated and distributed, now locally as well

Change #219 with diff file ISSM-23628-23629.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h

M /issm/trunk-jpl/src/c/modules/Mergesolutionfromftogx/Mergesolutionfromftogx.cpp

Export determination: 6.

Rationale: CHG: simplified VecMerge now that we have local indices

Change #220 with diff file ISSM-23629-23630.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/DamageEvolut

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficient

M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-

jpl/src/c/analyses/HydrologyShaktiAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-

jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp

M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-

jpl/src/c/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/UzawaPressureAnalysis.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Node.cpp

M /issm/trunk-jpl/src/c/classes/Node.h M /issm/trunk-jpl/src/c/classes/Nodes.cpp

M /issm/trunk-jpl/src/c/classes/Nodes.h M /issm/trunk-jpl/src/c/modules/InputUpdateFromSolutionx/Inpu

M /issm/trunk-jpl/src/c/modules/InputUpdateFromSolutionx/InputUpdateFromSolutionx.h

M /issm/trunk-jpl/src/c/modules/Mergesolutionfromftogx/Mergesolutionfromftogx.cpp

M /issm/trunk-jpl/src/c/modules/SetActiveNodesLSMx/SetActiveNodesLSMx.cpp

Export determination: 6.

Rationale: NEW: do not use MPISerial in InputUpdateFromSolution anymore

Change #221 with diff file ISSM-23630-23631.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h

M /issm/trunk-jpl/src/c/modules/Mergesolutionfromftogx/Mergesolutionfromftogx.cpp

M /issm/trunk-jpl/src/c/modules/Reducevectortofx/Reducevectortofx.cpp

Export determination: 6.

Rationale: NEW: VecReduce is now free of MPISerial

Change #222 with diff file ISSM-23631-23632.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/InputUpdateFromSolutionx/InputUpdateFromSolutionx.cpp

Export determination: 6.

Rationale: CHG: fixing ADOLC nightly run

Change #223 with diff file ISSM-23632-23633.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/InputUpdateFromSolutionx/InputUpdateFromSolutionx.cpp

Export determination: 6.

Rationale: BUG: forgot to add `#ifdef HAVE_AD_`

Change #224 with diff file ISSM-23633-23634.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/export_netCDF.py M /issm/trunk-jpl/src/m/materials/cuffey.py

Export determination: 6.

Rationale: BUG:fixing cuffey rheology

Change #225 with diff file ISSM-23634-23635.diff:

Function name:

M /issm/trunk-jpl/src/m/materials/cuffey.py

Export determination: 6.

Rationale: BUG:removing print

Change #226 with diff file ISSM-23635-23636.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp

Export determination: 6.

Rationale: CHG: added error message

Change #227 with diff file ISSM-23636-23637.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h
M /issm/trunk-jpl/src/c/modules/InputUpdateFromSolutionx/InputUpdateFromSolutionx.cpp
M /issm/trunk-jpl/src/c/modules/SetActiveNodesLSMx/SetActiveNodesLSMx.cpp

Export determination: 6.

Rationale: CHG: moving function to Femmodel so that it can be recycled

Change #228 with diff file ISSM-23637-23638.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SystemMatricesx/SystemMatricesx.cpp

Export determination: 6.

Rationale: CHG: splitted print statement in 2 for readability

Change #229 with diff file ISSM-23638-23639.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/classes/Nodes.cpp
M /issm/trunk-jpl/src/c/classes/Vertex.cpp M /issm/trunk-jpl/src/c/classes/Vertex.h
M /issm/trunk-jpl/src/c/classes/Vertices.cpp M /issm/trunk-jpl/src/c/classes/Vertices.h
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorx/InputUpdateFromVectorx.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp

Export determination: 6.

Rationale: NEW: improved scalability of InputUpdateFromVector if on PIDs

Change #230 with diff file ISSM-23639-23640.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Vertices.cpp

Export determination: 6.

Rationale: BUG: forgot to marshall and copy new fields

Change #231 with diff file ISSM-23640-23641.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h

M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/classes/Nodes.h

M /issm/trunk-jpl/src/c/classes/Vertex.cpp M /issm/trunk-jpl/src/c/classes/Vertex.h

M /issm/trunk-jpl/src/c/classes/Vertices.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElem

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp

Export determination: 6.

Rationale: CHG: use same scheme for nodes, with Finalize that distributes pids and lids

Change #232 with diff file ISSM-23641-23642.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h

M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/classes/Nodes.h

M /issm/trunk-jpl/src/c/modules/AllocateSystemMatricesx/AllocateSystemMatricesx.cpp

Export determination: 6.

Rationale: CHG: speeding up allocation without MPI_Allreduce

Change #233 with diff file ISSM-23642-23643.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h

M /issm/trunk-jpl/src/c/classes/Node.h M /issm/trunk-jpl/src/c/classes/Nodes.cpp

M /issm/trunk-jpl/src/c/classes/Nodes.h M /issm/trunk-jpl/src/c/modules/AllocateSystemMatricesx/Allocat

Export determination: 6.

Rationale: BUG: vector clone_connectivity is on nodes, not vertices

Change #234 with diff file ISSM-23643-23644.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/ExternalResults/GenericExternalResult.h M /issm/trunk-

jpl/src/c/toolkits/issm/IssmAbsVec.h M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiVec.h

M /issm/trunk-jpl/src/c/toolkits/issm/IssmSeqVec.h M /issm/trunk-jpl/src/c/toolkits/issm/IssmVec.h

M /issm/trunk-jpl/src/c/toolkits/objects/Vector.h M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscVec.c

M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscVec.h M /issm/trunk-jpl/src/c/toolkits/petsc/patches/V

M /issm/trunk-jpl/src/c/toolkits/petsc/patches/petscpatches.h

Export determination: 6.

Rationale: CHG: speed up output by not broadcasting to all cpus if only cpu 0 writes the output

Change #235 with diff file ISSM-23644-23645.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyPismAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/HydrologyShaktiAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmoothAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/ElementHook.cpp
M /issm/trunk-jpl/src/c/classes/Elements/ElementHook.h M /issm/trunk-jpl/src/c/classes/Elements/ElementPenta.cpp M /issm/trunk-jpl/src/c/classes/Elements/ElementPenta.h M /issm/trunk-jpl/src/c/classes/Elements/ElementSeg.cpp
M /issm/trunk-jpl/src/c/classes/Elements/ElementSeg.h M /issm/trunk-jpl/src/c/classes/Elements/ElementTetra.cpp M /issm/trunk-jpl/src/c/classes/Elements/ElementTetra.h M /issm/trunk-jpl/src/c/classes/Elements/ElementTria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/ElementTria.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp M /issm/trunk-jpl/src/c/classes/Loads/Friction.h
M /issm/trunk-jpl/src/c/classes/Loads/Moulin.cpp M /issm/trunk-jpl/src/c/classes/Loads/Moulin.h M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.h
M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.h M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matlitho.cpp
D /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp D /issm/trunk-jpl/src/c/classes/Materials/Matpar.h M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/classes/Params/Parameters.h
M /issm/trunk-jpl/src/c/classes/classes.h M /issm/trunk-jpl/src/c/datastructures/DataSet.cpp M /issm/trunk-jpl/src/c/main/esmfbinders.cpp M /issm/trunk-jpl/src/c/modules/InputUpdateFromConstant.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.cpp
M /issm/trunk-jpl/src/c/modules/SystemMatrixes/SystemMatrixes.cpp M /issm/trunk-jpl/src/c/shared/Elements/elements.h M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
Export determination: 6.
Rationale: NEW: removing matpar from femmodel

Change #236 with diff file ISSM-23645-23646.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp
Export determination: 6.
Rationale: BUG: Estar does not provide n since it is assume to be 3

Change #237 with diff file ISSM-23646-23647.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/InputUpdateFromConstantx/InputUpdateFromConstantx.cpp

Export determination: 6.

Rationale: BUG: Fixed Dakota

Change #238 with diff file ISSM-23647-23648.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp

Export determination: 6.

Rationale: CHG: fixing materials now that matpar is gone

Change #239 with diff file ISSM-23648-23649.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/InputUpdateFromConstantx/InputUpdateFromConstantx.cpp

Export determination: 6.

Rationale: CHG: better way of doing this

Change #240 with diff file ISSM-23649-23650.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/classes/Options/GenericOption.h

M /issm/trunk-jpl/src/c/classes/Options/Option.h M /issm/trunk-jpl/src/c/cores/transient_core.cpp

M /issm/trunk-jpl/src/wrappers/matlab/io/FetchMatlabData.cpp M /issm/trunk-jpl/src/wrappers/matlab/io/matlabio.h

Export determination: 6.

Rationale: CHG: now options only have size[2] for simplicity

Change #241 with diff file ISSM-23650-23651.diff:

Function name:

D /issm/trunk-jpl/src/m/print/printmodel.m D /issm/trunk-jpl/src/m/print/printmodel.py

Export determination: 6.

Rationale: DEL: useless, use export_fig instead

Change #242 with diff file ISSM-23651-23652.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/javascript/io/FetchJavascriptData.cpp

Export determination: 6.

Rationale: CHG: fixing JS

Change #243 with diff file ISSM-23652-23653.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp

M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/cores/movingfront_core.cpp

A /issm/trunk-jpl/src/c/modules/FrontalForcingsx A /issm/trunk-jpl/src/c/modules/FrontalForcingsx/FrontalForcingsx.h

A /issm/trunk-jpl/src/c/modules/FrontalForcingsx/FrontalForcingsx.h M /issm/trunk-jpl/src/c/modules/modules.h M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp

M /issm/trunk-jpl/src/m/classes/calving.m M /issm/trunk-jpl/src/m/classes/calvingcrevassedepth.m

M /issm/trunk-jpl/src/m/classes/calvinglevermann.m M /issm/trunk-jpl/src/m/classes/calvingminthickness.m

M /issm/trunk-jpl/src/m/classes/calvingvonmises.m A /issm/trunk-jpl/src/m/classes/frontalforcings.m

M /issm/trunk-jpl/src/m/classes/model.m M /issm/trunk-jpl/test/NightlyRun/test540.m

M /issm/trunk-jpl/test/NightlyRun/test804.m M /issm/trunk-jpl/test/NightlyRun/test805.m

M /issm/trunk-jpl/test/NightlyRun/test806.m M /issm/trunk-jpl/test/NightlyRun/test807.m

M /issm/trunk-jpl/test/NightlyRun/test808.m M /issm/trunk-jpl/test/NightlyRun/test809.m

M /issm/trunk-jpl/test/Par/ValleyGlacierShelf.par

Export determination: 6.

Rationale: NEW: add new class md.frontalforcings

Change #244 with diff file ISSM-23653-23654.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/frontalforcings.py M /issm/trunk-jpl/src/m/classes/model.py

M /issm/trunk-jpl/test/NightlyRun/test540.py M /issm/trunk-jpl/test/NightlyRun/test804.py

M /issm/trunk-jpl/test/NightlyRun/test805.py M /issm/trunk-jpl/test/NightlyRun/test806.py

M /issm/trunk-jpl/test/NightlyRun/test807.py M /issm/trunk-jpl/test/NightlyRun/test808.py

Export determination: 6.

Rationale: CHG: python class for frontalforcings

Change #245 with diff file ISSM-23654-23655.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/model.py
Export determination: 6.
Rationale: CHG: python class for frontalforcings

Change #246 with diff file ISSM-23655-23656.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/frontalforcings.py
Export determination: 6.
Rationale: CHG: fix python class for frontalforcings

Change #247 with diff file ISSM-23656-23657.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test801.py M /issm/trunk-jpl/test/Par/ValleyGlacierShelf.py
Export determination: 6.
Rationale: BUG: trying to fix py tests

Change #248 with diff file ISSM-23657-23658.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/classes/IoModel.cpp
M /issm/trunk-jpl/src/c/modules/FrontalForcingsx/FrontalForcingsx.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinition.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.h M /issm/trunk-jpl/src/m/classes/frontalforcings.m
A /issm/trunk-jpl/src/m/classes/frontalforcingsrignot.m
Export determination: 6.
Rationale: CHG: two different classes for frontalforcings

Change #249 with diff file ISSM-23658-23659.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/calving.py M /issm/trunk-jpl/src/m/classes/calvinglevermann.py
M /issm/trunk-jpl/src/m/classes/calvingminthickness.py M /issm/trunk-jpl/src/m/classes/calvingvonmises.py
M /issm/trunk-jpl/src/m/classes/frontalforcings.py A /issm/trunk-jpl/src/m/classes/frontalforcingsrignot.py
Export determination: 6.
Rationale: BUG: trying to fix python tests

Change #250 with diff file ISSM-23659-23660.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test807.py

Export determination: 6.

Rationale: BUG: trying to fix py tests

Change #251 with diff file ISSM-23660-23661.diff:

Function name:

M /issm/trunk-jpl/externalpackages/boost/install-1.55-lonestar.sh A /issm/trunk-

jpl/externalpackages/boost/install-1.55-stallo.sh A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/CMake

A /issm/trunk-jpl/externalpackages/dakota/install-6.2-stallo.sh

Export determination: 6.

Rationale: NEW: install scripts for stallo dakota

Change #252 with diff file ISSM-23661-23662.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-

jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp

M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_hydro_nonlinear.cpp

Export determination: 6.

Rationale: BUG: bug in the treatment of initialization of inactive nodes

Change #253 with diff file ISSM-23662-23663.diff:

Function name:

A /issm/trunk-jpl/externalpackages/topotoolbox A /issm/trunk-jpl/externalpackages/topotoolbox/install.sh

Export determination: 6.

Rationale: NEW: added topotoolbox, super useful

Change #254 with diff file ISSM-23663-23664.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dem/dem.m M /issm/trunk-jpl/externalpackages/dem/license.txt

Export determination: 6.

Rationale: CHG: updated dem externalpackage

Change #255 with diff file ISSM-23664-23665.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/hydrologydc.py M /issm/trunk-jpl/src/m/classes/model.py

Export determination: 6.

Rationale: BUG: fix to hydrology colapse and minor change in hydrologydc

Change #256 with diff file ISSM-23665-23666.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp M /issm/trunk-jpl/src/c/cores/transient_core.cpp

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.cpp

Export determination: 6.

Rationale: CHG:incorporating SMB computation in the subloop for hydrologydc

Change #257 with diff file ISSM-23666-23667.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp

Export determination: 6.

Rationale: BUG: fixing synthax icompatibility with C++98

Change #258 with diff file ISSM-23667-23668.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp

Export determination: 6.

Rationale: BUG: missing bracket

Change #259 with diff file ISSM-23668-23669.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp

Export determination: 6.

Rationale: BUG:fixing memory leak

Change #260 with diff file ISSM-23669-23670.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp

Export determination: 6.

Rationale: CHG:minor clean-up

Change #261 with diff file ISSM-23670-23671.diff:

Function name:

M /issm/trunk-jpl/src/py3/boundaryconditions/PattynSMB.py M /issm/trunk-jpl/src/py3/boundaryconditions/SetIceSheetBC.py M /issm/trunk-jpl/src/py3/boundaryconditions/SetMarineIceSheetBC.py M /issm/trunk-jpl/src/py3/classes/SMBcomponents.py M /issm/trunk-jpl/src/py3/classes/SMBd18opdd.py M /issm/trunk-jpl/src/py3/classes/SMBforcing.py M /issm/trunk-jpl/src/py3/classes/SMBgradients.py M /issm/trunk-jpl/src/py3/classes/SMBmeltcomponents.py M /issm/trunk-jpl/src/py3/classes/SMBpdd.py M /issm/trunk-jpl/src/py3/classes/autodiff.py M /issm/trunk-jpl/src/py3/classes/balancethickness.py M /issm/trunk-jpl/src/py3/classes/bamggeom.py M /issm/trunk-jpl/src/py3/classes/bamgmesh.py M /issm/trunk-jpl/src/py3/classes/basalforcings.py M /issm/trunk-jpl/src/py3/classes/calving.py M /issm/trunk-jpl/src/py3/classes/calvinglevermann.py M /issm/trunk-jpl/src/py3/classes/clusters/generic.py M /issm/trunk-jpl/src/py3/classes/clusters/pfe.py M /issm/trunk-jpl/src/py3/classes/constants.py M /issm/trunk-jpl/src/py3/classes/damage.py M /issm/trunk-jpl/src/py3/classes/debug.py M /issm/trunk-jpl/src/py3/classes/dependent.py M /issm/trunk-jpl/src/py3/classes/flowequation.py M /issm/trunk-jpl/src/py3/classes/friction.py M /issm/trunk-jpl/src/py3/classes/frictioncoulomb.py M /issm/trunk-jpl/src/py3/classes/frictionweertman.py M /issm/trunk-jpl/src/py3/classes/geometry.py M /issm/trunk-jpl/src/py3/classes/groundingline.py M /issm/trunk-jpl/src/py3/classes/hydrologydc.py M /issm/trunk-jpl/src/py3/classes/hydrologyshreve.py M /issm/trunk-jpl/src/py3/classes/independent.py M /issm/trunk-jpl/src/py3/classes/initialization.py M /issm/trunk-jpl/src/py3/classes/inversion.py M /issm/trunk-jpl/src/py3/classes/linearbasalforcings.py M /issm/trunk-jpl/src/py3/classes/m1qn3inversion.py M /issm/trunk-jpl/src/py3/classes/mask.py M /issm/trunk-jpl/src/py3/classes/massfluxatgate.py M /issm/trunk-jpl/src/py3/classes/masstransport.py M /issm/trunk-jpl/src/py3/classes/matdamageice.py M /issm/trunk-jpl/src/py3/classes/matrice.py M /issm/trunk-jpl/src/py3/classes/mesh2d.py M /issm/trunk-jpl/src/py3/classes/mesh3dprisms.py M /issm/trunk-jpl/src/py3/classes/miscellaneous.py M /issm/trunk-jpl/src/py3/classes/mismipbasalforcings.py M /issm/trunk-jpl/src/py3/classes/model.py M /issm/trunk-jpl/src/py3/classes/organizer.py M /issm/trunk-jpl/src/py3/classes/outputdefinition.py M /issm/trunk-jpl/src/py3/classes/pairoptions.py M /issm/trunk-jpl/src/py3/classes/plotoptions.py M /issm/trunk-jpl/src/py3/classes/private.py M /issm/trunk-jpl/src/py3/classes/qmu.py M /issm/trunk-jpl/src/py3/classes/results.py M /issm/trunk-jpl/src/py3/classes/rifts.py M /issm/trunk-jpl/src/py3/classes/steadystate.py M /issm/trunk-jpl/src/py3/classes/stressbalance.py M /issm/trunk-jpl/src/py3/classes/taoinversion.py M /issm/trunk-jpl/src/py3/classes/thermal.py M /issm/trunk-jpl/src/py3/classes/timestepping.py M /issm/trunk-jpl/src/py3/classes/toolkits.py

M /issm/trunk-jpl/src/py3/classes/transient.py M /issm/trunk-jpl/src/py3/classes/verbose.py
M /issm/trunk-jpl/src/py3/consistency/checkfield.py M /issm/trunk-jpl/src/py3/consistency/ismodelselfconsi
M /issm/trunk-jpl/src/py3/contrib/bamg/YamsCall.py M /issm/trunk-jpl/src/py3/contrib/netCDF/export_n
M /issm/trunk-jpl/src/py3/contrib/paraview/exportVTK.py M /issm/trunk-
jpl/src/py3/coordsystems/ll2xy.py M /issm/trunk-jpl/src/py3/coordsystems/xy2ll.py
M /issm/trunk-jpl/src/py3/dev/devpath.py M /issm/trunk-jpl/src/py3/dev/issmversion.py
M /issm/trunk-jpl/src/py3/exp/expcoarsen.py M /issm/trunk-jpl/src/py3/exp/expdisp.py
M /issm/trunk-jpl/src/py3/exp/expread.py M /issm/trunk-jpl/src/py3/exp/expwrite.py
M /issm/trunk-jpl/src/py3/extrusion/DepthAverage.py M /issm/trunk-jpl/src/py3/extrusion/project2d.py
M /issm/trunk-jpl/src/py3/extrusion/project3d.py M /issm/trunk-jpl/src/py3/geometry/FlagElements.py
M /issm/trunk-jpl/src/py3/geometry/GetAreas.py M /issm/trunk-jpl/src/py3/geometry/SegIntersect.py
M /issm/trunk-jpl/src/py3/geometry/slope.py M /issm/trunk-jpl/src/py3/interp/SectionValues.py
M /issm/trunk-jpl/src/py3/interp/averaging.py M /issm/trunk-jpl/src/py3/interp/holefiller.py
M /issm/trunk-jpl/src/py3/interp/interp.py M /issm/trunk-jpl/src/py3/inversions/marshallcostfunctions.py
M /issm/trunk-jpl/src/py3/inversions/parametercontroldrag.py M /issm/trunk-
jpl/src/py3/io/loadmodel.py M /issm/trunk-jpl/src/py3/io/loadvars.py M /issm/trunk-
jpl/src/py3/materials/TMeltingPoint.py M /issm/trunk-jpl/src/py3/materials/cuffey.py
M /issm/trunk-jpl/src/py3/materials/paterson.py M /issm/trunk-jpl/src/py3/mech/analyticaldamage.py
M /issm/trunk-jpl/src/py3/mech/backstressfrominversion.py M /issm/trunk-
jpl/src/py3/mech/calcbckstress.py M /issm/trunk-jpl/src/py3/mech/damagefrominversion.py
M /issm/trunk-jpl/src/py3/mech/mechanicalproperties.py M /issm/trunk-jpl/src/py3/mech/robintemperature
M /issm/trunk-jpl/src/py3/mech/steadystateiceshelftemp.py M /issm/trunk-
jpl/src/py3/mech/thomasparams.py M /issm/trunk-jpl/src/py3/mesh/ComputeHessian.py
M /issm/trunk-jpl/src/py3/mesh/ComputeMetric.py M /issm/trunk-jpl/src/py3/mesh/ElementsFromEdge.py
M /issm/trunk-jpl/src/py3/mesh/GetNodalFunctionsCoeff.py M /issm/trunk-
jpl/src/py3/mesh/bamg.py M /issm/trunk-jpl/src/py3/mesh/meshconvert.py M
/issm/trunk-jpl/src/py3/mesh/rifts/meshprocessoutsiderifts.py M /issm/trunk-
jpl/src/py3/mesh/rifts/meshprocessrifts.py M /issm/trunk-jpl/src/py3/mesh/roundmesh.py
M /issm/trunk-jpl/src/py3/mesh/squaremesh.py M /issm/trunk-jpl/src/py3/mesh/triangle.py
M /issm/trunk-jpl/src/py3/miscellaneous/MatlabFuncs.py M /issm/trunk-jpl/src/py3/miscellaneous/PythonF
M /issm/trunk-jpl/src/py3/miscellaneous/fielddisplay.py M /issm/trunk-jpl/src/py3/miscellaneous/isnans.py
M /issm/trunk-jpl/src/py3/os/issmssh.py M /issm/trunk-jpl/src/py3/parameterization/contourenvelope.py
M /issm/trunk-jpl/src/py3/parameterization/setflowequation.py M /issm/trunk-
jpl/src/py3/parameterization/sethydrostaticmask.py M /issm/trunk-jpl/src/py3/parameterization/setmask.py
M /issm/trunk-jpl/src/py3/plot/applyoptions.py M /issm/trunk-jpl/src/py3/plot/checkplotoptions.py
M /issm/trunk-jpl/src/py3/plot/colormaps/cmaptools.py M /issm/trunk-jpl/src/py3/plot/export_gl.py
M /issm/trunk-jpl/src/py3/plot/plot_contour.py M /issm/trunk-jpl/src/py3/plot/plot_manager.py
M /issm/trunk-jpl/src/py3/plot/plot_mesh.py M /issm/trunk-jpl/src/py3/plot/plot_overlay.py
M /issm/trunk-jpl/src/py3/plot/plot_streamlines.py M /issm/trunk-jpl/src/py3/plot/plot_unit.py
M /issm/trunk-jpl/src/py3/plot/plotmodel.py M /issm/trunk-jpl/src/py3/plot/processdata.py
M /issm/trunk-jpl/src/py3/plot/processmesh.py M /issm/trunk-jpl/src/py3/plot/writejsfield.py
M /issm/trunk-jpl/src/py3/plot/writejsfile.py M /issm/trunk-jpl/src/py3/shp/shp2exp.py
M /issm/trunk-jpl/src/py3/solve/WriteData.py M /issm/trunk-jpl/src/py3/solve/loadresultsfromcluster.py
M /issm/trunk-jpl/src/py3/solve/loadresultsfromdisk.py M /issm/trunk-jpl/src/py3/solve/marshall.py
M /issm/trunk-jpl/src/py3/solve/parseresultsfromdisk.py M /issm/trunk-jpl/src/py3/solve/solve.py
M /issm/trunk-jpl/src/py3/solve/waitonlock.py M /issm/trunk-jpl/src/py3/solvers/asmoptions.py

M /issm/trunk-jpl/src/py3/solvers/luasmoptions.py M /issm/trunk-jpl/src/py3/solvers/issmglsolver.py
M /issm/trunk-jpl/src/py3/solvers/issmmumpssolver.py M /issm/trunk-jpl/src/py3/solvers/jacobiasmoptions.
M /issm/trunk-jpl/src/py3/solvers/jacobicgoptions.py M /issm/trunk-jpl/src/py3/solvers/matlaboptions.py
M /issm/trunk-jpl/src/py3/solvers/mumpsoptions.py M /issm/trunk-jpl/src/py3/solvers/soroptions.py
M /issm/trunk-jpl/src/py3/solvers/stokesoptions.py
Export determination: 6.
Rationale: CHG: python scripts after 2to3 and indentation fix

Change #262 with diff file ISSM-23671-23672.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test119.m M /issm/trunk-jpl/test/NightlyRun/test119.py

Export determination: 6.

Rationale: CHG: Adjustment to elapsed time tolerance

Change #263 with diff file ISSM-23672-23673.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: CHG: fixing memory leak

Change #264 with diff file ISSM-23673-23674.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/frontalforcingsrignot.m

Export determination: 6.

Rationale: CHG: timeseries for frontalforcingsrignot

Change #265 with diff file ISSM-23674-23675.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h

Export determination: 6.

Rationale: NEW: extended distance computation to Penta elements

Change #266 with diff file ISSM-23675-23676.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive541.arch A /issm/trunk-jpl/test/NightlyRun/test541.m

A /issm/trunk-jpl/test/NightlyRun/test541.py

Export determination: 6.

Rationale: NEW: 3d test case for calving with von mises

Change #267 with diff file ISSM-23676-23677.diff:

Function name:

A /issm/trunk-jpl/externalpackages/gdal/install-macosx64-mojave.sh

Export determination: 6.

Rationale: ADD: GDAL installation script for MacOS Mojave

Change #268 with diff file ISSM-23677-23678.diff:

Function name:

A /issm/trunk-jpl/src/py3/archive A /issm/trunk-jpl/src/py3/archive/arch.py

A /issm/trunk-jpl/src/py3/array A /issm/trunk-jpl/src/py3/array/MatlabArray.py

A /issm/trunk-jpl/src/py3/boundaryconditions/love_numbers.py A /issm/trunk-

jpl/src/py3/classes/SMBgemb.py A /issm/trunk-jpl/src/py3/classes/SMBgradientscomponents.py

A /issm/trunk-jpl/src/py3/classes/SMBgradientsela.py A /issm/trunk-jpl/src/py3/classes/SMBpddSicopolis.p

A /issm/trunk-jpl/src/py3/classes/amr.py A /issm/trunk-jpl/src/py3/classes/calvingdev.py

A /issm/trunk-jpl/src/py3/classes/calvingminthickness.py A /issm/trunk-jpl/src/py3/classes/calvingvonmises

A /issm/trunk-jpl/src/py3/classes/clusters/cyclone.py A /issm/trunk-jpl/src/py3/classes/clusters/fram.py

A /issm/trunk-jpl/src/py3/classes/clusters/hexagon.py A /issm/trunk-jpl/src/py3/classes/clusters/stallo.py

A /issm/trunk-jpl/src/py3/classes/clusters/vilje.py A /issm/trunk-jpl/src/py3/classes/esa.py

A /issm/trunk-jpl/src/py3/classes/fourierlove.py A /issm/trunk-jpl/src/py3/classes/frictionhydro.py

A /issm/trunk-jpl/src/py3/classes/frictionshakti.py A /issm/trunk-jpl/src/py3/classes/frictionwaterlayer.py

A /issm/trunk-jpl/src/py3/classes/frontalforcings.py A /issm/trunk-jpl/src/py3/classes/frontalforcingsrignot.p

A /issm/trunk-jpl/src/py3/classes/giaivins.py A /issm/trunk-jpl/src/py3/classes/hydrologyshakti.py

A /issm/trunk-jpl/src/py3/classes/issmsettings.py A /issm/trunk-jpl/src/py3/classes/levelset.py

A /issm/trunk-jpl/src/py3/classes/maskpsl.py A /issm/trunk-jpl/src/py3/classes/matenhancedice.py

A /issm/trunk-jpl/src/py3/classes/materials.py A /issm/trunk-jpl/src/py3/classes/matestar.py

A /issm/trunk-jpl/src/py3/classes/mesh2dvertical.py A /issm/trunk-jpl/src/py3/classes/mesh3dsurface.py

A /issm/trunk-jpl/src/py3/classes/misfit.py A /issm/trunk-jpl/src/py3/classes/plumebasalforcings.py

A /issm/trunk-jpl/src/py3/classes/qmu A /issm/trunk-jpl/src/py3/classes/qmu/@dakota_method

A /issm/trunk-jpl/src/py3/classes/qmu/@dakota_method/dakota_method.py A

/issm/trunk-jpl/src/py3/classes/qmu/@dakota_method/dmeth_params.set.py A

/issm/trunk-jpl/src/py3/classes/qmu/@dakota_method/dmeth_params.write.py

A /issm/trunk-jpl/src/py3/classes/qmu/calibration_function.py A /issm/trunk-

jpl/src/py3/classes/qmu/continuous_design.py A /issm/trunk-jpl/src/py3/classes/qmu/continuous_state.py

A /issm/trunk-jpl/src/py3/classes/qmu/least_squares_term.py A /issm/trunk-

jpl/src/py3/classes/qmu/linear_equality_constraint.py A /issm/trunk-jpl/src/py3/classes/qmu/linear_inequality
 A /issm/trunk-jpl/src/py3/classes/qmu/nonlinear_equality_constraint.py A /issm/trunk-
 jpl/src/py3/classes/qmu/nonlinear_inequality_constraint.py A /issm/trunk-jpl/src/py3/classes/qmu/normal_u
 A /issm/trunk-jpl/src/py3/classes/qmu/objective_function.py A /issm/trunk-
 jpl/src/py3/classes/qmu/qmu_classes.py A /issm/trunk-jpl/src/py3/classes/qmu/response_function.py
 A /issm/trunk-jpl/src/py3/classes/qmu/setupdesign A /issm/trunk-jpl/src/py3/classes/qmu/uniform_uncerta
 A /issm/trunk-jpl/src/py3/classes/regionaloutput.py A /issm/trunk-jpl/src/py3/classes/slr.py
 A /issm/trunk-jpl/src/py3/classes/timesteppingadaptive.py M /issm/trunk-jpl/src/py3/consistency/ismodelse
 A /issm/trunk-jpl/src/py3/contrib/defleurian A /issm/trunk-jpl/src/py3/contrib/defleurian/netCDF
 A /issm/trunk-jpl/src/py3/contrib/defleurian/netCDF/ClassTry.py A /issm/trunk-
 jpl/src/py3/contrib/defleurian/netCDF/export_netCDF.py A /issm/trunk-jpl/src/py3/contrib/defleurian/net
 A /issm/trunk-jpl/src/py3/contrib/defleurian/paraview A /issm/trunk-jpl/src/py3/contrib/defleurian/paravie
 A /issm/trunk-jpl/src/py3/contrib/defleurian/paraview/enveloppeVTK_bleeding.py
 A /issm/trunk-jpl/src/py3/contrib/defleurian/paraview/exportVTK.py A /issm/trunk-
 jpl/src/py3/contrib/morlighem A /issm/trunk-jpl/src/py3/contrib/morlighem/bamg
 A /issm/trunk-jpl/src/py3/contrib/morlighem/bamg/YamsCall.py A /issm/trunk-
 jpl/src/py3/coordsystems/gmtmask.py A /issm/trunk-jpl/src/py3/dev/ISSM.py
 M /issm/trunk-jpl/src/py3/exp/expdisp.py A /issm/trunk-jpl/src/py3/geometry/NowickiProfile.py
 A /issm/trunk-jpl/src/py3/materials/cuffeytemperate.py A /issm/trunk-jpl/src/py3/mech/newforcing.py
 A /issm/trunk-jpl/src/py3/mesh/bamgflowband.py A /issm/trunk-jpl/src/py3/mesh/planet
 A /issm/trunk-jpl/src/py3/mesh/planet/gmsh A /issm/trunk-jpl/src/py3/mesh/planet/gmsh/gmshplanet.py
 A /issm/trunk-jpl/src/py3/miscellaneous/normfit_issm.py A /issm/trunk-jpl/src/py3/miscellaneous/prctile_iss
 A /issm/trunk-jpl/src/py3/modules A /issm/trunk-jpl/src/py3/modules/BamgConvertMesh.py
 A /issm/trunk-jpl/src/py3/modules/BamgMesher.py A /issm/trunk-jpl/src/py3/modules/BamgTriangulate.py
 A /issm/trunk-jpl/src/py3/modules/Chaco.py A /issm/trunk-jpl/src/py3/modules/ContourToMesh.py
 A /issm/trunk-jpl/src/py3/modules/ContourToNodes.py A /issm/trunk-jpl/src/py3/modules/ElementConnec
 A /issm/trunk-jpl/src/py3/modules/InterpFromGridToMesh.py A /issm/trunk-
 jpl/src/py3/modules/InterpFromMeshToGrid.py A /issm/trunk-jpl/src/py3/modules/InterpFromMeshToMesh
 A /issm/trunk-jpl/src/py3/modules/InterpFromMeshToMesh3d.py A /issm/trunk-
 jpl/src/py3/modules/IssmConfig.py A /issm/trunk-jpl/src/py3/modules/MeshPartition.py
 A /issm/trunk-jpl/src/py3/modules/MeshProfileIntersection.py A /issm/trunk-
 jpl/src/py3/modules/NodeConnectivity.py A /issm/trunk-jpl/src/py3/modules/ProcessRifts.py
 A /issm/trunk-jpl/src/py3/modules/Scotch.py A /issm/trunk-jpl/src/py3/partition
 A /issm/trunk-jpl/src/py3/partition/AreaAverageOntoPartition.py A /issm/trunk-
 jpl/src/py3/partition/adjacency.py A /issm/trunk-jpl/src/py3/partition/partitioner.py
 M /issm/trunk-jpl/src/py3/plot/applyoptions.py M /issm/trunk-jpl/src/py3/plot/checkplotoptions.py
 A /issm/trunk-jpl/src/py3/plot/googlemaps.py A /issm/trunk-jpl/src/py3/plot/plot_BC.py
 A /issm/trunk-jpl/src/py3/plot/plot_elementnumbering.py A /issm/trunk-jpl/src/py3/plot/plot_googlemaps.p
 A /issm/trunk-jpl/src/py3/plot/plot_icefront.py A /issm/trunk-jpl/src/py3/plot/plot_quiver.py
 A /issm/trunk-jpl/src/py3/plot/plot_vertexnumbering.py A /issm/trunk-jpl/src/py3/plot/plotdoc.py
 A /issm/trunk-jpl/src/py3/qmu A /issm/trunk-jpl/src/py3/qmu/dakota_in.data.py
 A /issm/trunk-jpl/src/py3/qmu/dakota_in.params.py A /issm/trunk-jpl/src/py3/qmu/dakota_in_write.py
 A /issm/trunk-jpl/src/py3/qmu/dakota_out_parse.py A /issm/trunk-jpl/src/py3/qmu/expandresponses.py
 A /issm/trunk-jpl/src/py3/qmu/expandvariables.py A /issm/trunk-jpl/src/py3/qmu/helpers.py
 A /issm/trunk-jpl/src/py3/qmu/importancefactors.py A /issm/trunk-jpl/src/py3/qmu/lclist_write.py
 A /issm/trunk-jpl/src/py3/qmu/param.write.py A /issm/trunk-jpl/src/py3/qmu/postqmu.py

A /issm/trunk-jpl/src/py3/qmu/preqmu.py A /issm/trunk-jpl/src/py3/qmu/process_qmu_response_data.py
A /issm/trunk-jpl/src/py3/qmu/rlev_write.py A /issm/trunk-jpl/src/py3/qmu/rlist_write.py
A /issm/trunk-jpl/src/py3/qmu/setupdesign A /issm/trunk-jpl/src/py3/qmu/setupdesign/QmuSetupResponses
A /issm/trunk-jpl/src/py3/qmu/setupdesign/QmuSetupVariables.py A /issm/trunk-
jpl/src/py3/qmu/vector_write.py A /issm/trunk-jpl/src/py3/qmu/vlist_write.py
M /issm/trunk-jpl/src/py3/solve/parseresultsfromdisk.py M /issm/trunk-jpl/src/py3/solve/solve.py
Export determination: 6.
Rationale: CHG: adding missing directories and cleaning code

Change #269 with diff file ISSM-23678-23679.diff:

Function name:

D /issm/trunk-jpl/src/py3/contrib/bamg/YamsCall.py.bak D /issm/trunk-jpl/src/py3/contrib/netCDF/Class
D /issm/trunk-jpl/src/py3/contrib/netCDF/export_netCDF.py.bak D /issm/trunk-
jpl/src/py3/contrib/netCDF/read_netCDF.py.bak D /issm/trunk-jpl/src/py3/contrib/paraview/exportVTK.p

Export determination: 6.

Rationale: CHG: cleaning unwanted files

Change #270 with diff file ISSM-23679-23680.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test541.m M /issm/trunk-jpl/test/NightlyRun/test541.py

Export determination: 6.

Rationale: CHG: updated tolerances test 541

Change #271 with diff file ISSM-23680-23681.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test541.m M /issm/trunk-jpl/test/NightlyRun/test541.py

Export determination: 6.

Rationale: CHG: Eased field tolerances

Change #272 with diff file ISSM-23681-23682.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test541.m M /issm/trunk-jpl/test/NightlyRun/test541.py

Export determination: 6.

Rationale: CHG: minor tolerances 541

Change #273 with diff file ISSM-23682-23683.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test541.m M /issm/trunk-jpl/test/NightlyRun/test541.py

Export determination: 6.

Rationale: CHG: Eased field tolerances again

Change #274 with diff file ISSM-23683-23684.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test119.m M /issm/trunk-jpl/test/NightlyRun/test119.py

Export determination: 6.

Rationale: CHG: Eased elapsed time tolerance

Change #275 with diff file ISSM-23684-23685.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test211.js M /issm/trunk-jpl/test/NightlyRun/test211.m

M /issm/trunk-jpl/test/NightlyRun/test211.py M /issm/trunk-jpl/test/NightlyRun/test460.m

M /issm/trunk-jpl/test/NightlyRun/test460.py M /issm/trunk-jpl/test/NightlyRun/test541.m

M /issm/trunk-jpl/test/NightlyRun/test541.py

Export determination: 6.

Rationale: CHG: Eased field tolerances

Change #276 with diff file ISSM-23685-23686.diff:

Function name:

M /issm/trunk-jpl/scripts/DownloadExternalPackage.sh

Export determination: 6.

Rationale: CHG: Minor uncommitted changes to external package download
shell script

Change #277 with diff file ISSM-23686-23687.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test541.m M /issm/trunk-jpl/test/NightlyRun/test541.py

Export determination: 6.

Rationale: CHG: Eased field tolerances

Change #278 with diff file ISSM-23687-23688.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test119.m M /issm/trunk-jpl/test/NightlyRun/test119.py

Export determination: 6.

Rationale: CHG: tightening tolerances

Change #279 with diff file ISSM-23688-23689.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test541.m M /issm/trunk-jpl/test/NightlyRun/test541.py

Export determination: 6.

Rationale: CHG: Eased field tolerances

Change #280 with diff file ISSM-23689-23690.diff:

Function name:

M /issm/trunk-jpl/src/py3/archive/arch.py M /issm/trunk-jpl/src/py3/classes/pairoptions.py

M /issm/trunk-jpl/src/py3/consistency/checkfield.py M /issm/trunk-jpl/src/py3/solve/WriteData.py

Export determination: 6.

Rationale: CHG: py3 migration

Change #281 with diff file ISSM-23690-23691.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/ExternalResults/GenericExternalResult.h M /issm/trunk-jpl/src/c/datastructures/DataSet.cpp

Export determination: 6.

Rationale: BUG: externalresults were not being marshalled correctly

Change #282 with diff file ISSM-23691-23692.diff:

Function name:

M /issm/trunk-jpl/src/py3/classes/plotoptions.py M /issm/trunk-jpl/src/py3/plot/plotmodel.py

M /issm/trunk-jpl/src/py3/solve/WriteData.py M /issm/trunk-jpl/src/py3/solve/loadresultsfromdisk.py

M /issm/trunk-jpl/src/py3/solve/parseresultsfromdisk.py

Export determination: 6.

Rationale: CHG. closer towards py3

Change #283 with diff file ISSM-23692-23693.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test119.py

Export determination: 6.

Rationale: CHG: Increased elapsed time tolerance for Python version of test 119 only

Change #284 with diff file ISSM-23693-23694.diff:

Function name:

M /issm/trunk-jpl/externalpackages/gdal/install-1.10-macosx64.sh D /issm/trunk-jpl/externalpackages/gdal/install-macosx64-mojave.sh

Export determination: 6.

Rationale: CHG: Issue with single quotes in expanding GDAL_VER variable

Change #285 with diff file ISSM-23694-23695.diff:

Function name:

A /issm/trunk-jpl/externalpackages/gdal/install-1.11.2-macosx64.sh

Export determination: 6.

Rationale: ADD: New install script for GDAL to support MacOSX Mojave

Change #286 with diff file ISSM-23695-23696.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/modules/Calvingx/Calvingx.

Export determination: 6.

Rationale: CHG: make min thickness work in 3d

Change #287 with diff file ISSM-23696-23697.diff:

Function name:

M /issm/trunk-jpl/src/m/dev/issmversion.m M /issm/trunk-jpl/src/m/dev/issmversion.py

Export determination: 6.

Rationale: CHG: minor, changing date

Change #288 with diff file ISSM-23697-23698.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/matdamageice.
M /issm/trunk-jpl/src/m/classes/matdamageice.py M /issm/trunk-jpl/src/m/classes/matenhancedice.m
M /issm/trunk-jpl/src/m/classes/matenhancedice.py M /issm/trunk-jpl/src/m/classes/matestar.m
M /issm/trunk-jpl/src/m/classes/matestar.py M /issm/trunk-jpl/src/m/classes/matice.m
M /issm/trunk-jpl/src/m/classes/matice.py

Export determination: 6.

Rationale: CHG: added different computations for the Effective Conductivity.

Change #289 with diff file ISSM-23698-23699.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive345.arch A /issm/trunk-jpl/test/NightlyRun/test345.m

Export determination: 6.

Rationale: NEW: added test case for Effective Conductivity

Change #290 with diff file ISSM-23699-23700.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/matdamageice.py M /issm/trunk-jpl/src/m/classes/matenhancedice.py
M /issm/trunk-jpl/src/m/classes/matestar.py M /issm/trunk-jpl/src/m/classes/matice.py

Export determination: 6.

Rationale: CHG: fixing typos

Change #291 with diff file ISSM-23700-23701.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test345.m

Export determination: 6.

Rationale: CHG: fixing typos

Change #292 with diff file ISSM-23701-23702.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/matdamageice.py M /issm/trunk-jpl/src/m/classes/matenhancedice.py
M /issm/trunk-jpl/src/m/classes/matestar.py M /issm/trunk-jpl/src/m/classes/matice.py

Export determination: 6.

Rationale: CHG: fixing typos in python files

Change #293 with diff file ISSM-23702-23703.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/matdamageice.m M /issm/trunk-jpl/src/m/classes/matenhancedice.m

M /issm/trunk-jpl/src/m/classes/matestar.m M /issm/trunk-jpl/src/m/classes/matice.m

Export determination: 6.

Rationale: CHG: put default back to harmonic mean to test runs

Change #294 with diff file ISSM-23703-23704.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/matdamageice.py M /issm/trunk-jpl/src/m/classes/matenhancedice.py

M /issm/trunk-jpl/src/m/classes/matestar.py

Export determination: 6.

Rationale: CHG: change default effectiveviscosity_averaging to 1 (harmonic) in Python

Change #295 with diff file ISSM-23704-23705.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/matice.py

Export determination: 6.

Rationale: CHG: default effectiveconductivity_averaging in python

Change #296 with diff file ISSM-23705-23706.diff:

Function name:

M /issm/trunk-jpl/src/m/consistency/checkfield.py

Export determination: 6.

Rationale: BUG: vlaues have never been check against field values (checked against string) this might break a few tests for good reasons

Change #297 with diff file ISSM-23706-23707.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4

Export determination: 6.

Rationale: NEW:adding a keyword to force python version

Change #298 with diff file ISSM-23707-23708.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/IdFromString.py M /issm/trunk-jpl/test/NightlyRun/runme.py
M /issm/trunk-jpl/test/NightlyRun/test101.py M /issm/trunk-jpl/test/NightlyRun/test1104.py
M /issm/trunk-jpl/test/NightlyRun/test1201.py M /issm/trunk-jpl/test/NightlyRun/test1205.py
M /issm/trunk-jpl/test/NightlyRun/test1206.py M /issm/trunk-jpl/test/NightlyRun/test1207.py
M /issm/trunk-jpl/test/NightlyRun/test1501.py M /issm/trunk-jpl/test/NightlyRun/test1502.py
M /issm/trunk-jpl/test/NightlyRun/test1601.py M /issm/trunk-jpl/test/NightlyRun/test1602.py
M /issm/trunk-jpl/test/NightlyRun/test234.py M /issm/trunk-jpl/test/NightlyRun/test235.py
M /issm/trunk-jpl/test/NightlyRun/test236.py M /issm/trunk-jpl/test/NightlyRun/test237.py
M /issm/trunk-jpl/test/NightlyRun/test238.py M /issm/trunk-jpl/test/NightlyRun/test239.py
M /issm/trunk-jpl/test/NightlyRun/test240.py M /issm/trunk-jpl/test/NightlyRun/test243.py
M /issm/trunk-jpl/test/NightlyRun/test274.py M /issm/trunk-jpl/test/NightlyRun/test3015.py
M /issm/trunk-jpl/test/NightlyRun/test3020.py M /issm/trunk-jpl/test/NightlyRun/test333.py
M /issm/trunk-jpl/test/NightlyRun/test436.py M /issm/trunk-jpl/test/NightlyRun/test701.py
M /issm/trunk-jpl/test/NightlyRun/test702.py M /issm/trunk-jpl/test/Par/ISMIPA.py
M /issm/trunk-jpl/test/Par/ISMIPB.py M /issm/trunk-jpl/test/Par/ISMIPC.py
M /issm/trunk-jpl/test/Par/ISMIPD.py M /issm/trunk-jpl/test/Par/SMIPE.py
M /issm/trunk-jpl/test/Par/ISMIPF.py M /issm/trunk-jpl/test/Par/RoundSheetEISMINT.py
M /issm/trunk-jpl/test/Par/RoundSheetStaticEISMINT.py M /issm/trunk-jpl/test/Par/SquareEISMINT.py
M /issm/trunk-jpl/test/Par/SquareShelfConstrained.py M /issm/trunk-jpl/test/Par/SquareThermal.py

Export determination: 6.

Rationale: CHG: translate from python 2 to3

Change #299 with diff file ISSM-23708-23709.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/python/io/FetchPythonData.cpp M /issm/trunk-jpl/src/wrappers/python/io/WritePythonData.cpp

Export determination: 6.

Rationale: CHG:python 3 compatibility

Change #300 with diff file ISSM-23709-23710.diff:

Function name:

M /issm/trunk-jpl/src/py3/archive/arch.py M /issm/trunk-jpl/src/py3/array/MatlabArray.py
M /issm/trunk-jpl/src/py3/classes/SMBgemb.py M /issm/trunk-jpl/src/py3/classes/bamggeom.py

M /issm/trunk-jpl/src/py3/classes/bamgmesh.py M /issm/trunk-jpl/src/py3/classes/frictioncoulomb.py
M /issm/trunk-jpl/src/py3/classes/frictionshakti.py M /issm/trunk-jpl/src/py3/classes/hydrologyshakti.py
M /issm/trunk-jpl/src/py3/classes/massfluxatgate.py M /issm/trunk-jpl/src/py3/classes/matestar.py
M /issm/trunk-jpl/src/py3/classes/mismipbasalforcings.py M /issm/trunk-jpl/src/py3/classes/model.py
M /issm/trunk-jpl/src/py3/classes/organizer.py M /issm/trunk-jpl/src/py3/classes/pairoptions.py
M /issm/trunk-jpl/src/py3/classes/plotoptions.py M /issm/trunk-jpl/src/py3/classes/qmu/@dakota_method/
M /issm/trunk-jpl/src/py3/classes/qmu/@dakota_method/dmeth_params.set.py
M /issm/trunk-jpl/src/py3/classes/qmu/@dakota_method/dmeth_params.write.py
M /issm/trunk-jpl/src/py3/classes/qmu/calibration_function.py M /issm/trunk-
jpl/src/py3/classes/qmu/least_squares_term.py M /issm/trunk-jpl/src/py3/classes/qmu/normal_uncertain.py
M /issm/trunk-jpl/src/py3/classes/qmu/objective_function.py M /issm/trunk-
jpl/src/py3/classes/qmu/response_function.py M /issm/trunk-jpl/src/py3/classes/qmu/uniform_uncertain.py
M /issm/trunk-jpl/src/py3/classes/results.py M /issm/trunk-jpl/src/py3/classes/rifts.py
M /issm/trunk-jpl/src/py3/classes/toolkits.py M /issm/trunk-jpl/src/py3/classes/verbose.py
M /issm/trunk-jpl/src/py3/consistency/checkfield.py M /issm/trunk-jpl/src/py3/contrib/defleurian/netCDF/
M /issm/trunk-jpl/src/py3/contrib/defleurian/paraview/enveloppeVTK.py M
/issm/trunk-jpl/src/py3/contrib/defleurian/paraview/enveloppeVTK_bleeding.py
M /issm/trunk-jpl/src/py3/contrib/defleurian/paraview/exportVTK.py M /issm/trunk-
jpl/src/py3/contrib/morlighem/bamg/YamsCall.py M /issm/trunk-jpl/src/py3/coordsystems/gmtmask.py
M /issm/trunk-jpl/src/py3/dev/issmversion.py M /issm/trunk-jpl/src/py3/exp/expcoarsen.py
M /issm/trunk-jpl/src/py3/geometry/NowickiProfile.py M /issm/trunk-jpl/src/py3/io/loadmodel.py
M /issm/trunk-jpl/src/py3/io/loadvars.py M /issm/trunk-jpl/src/py3/io/savevars.py
M /issm/trunk-jpl/src/py3/mech/thomasparams.py M /issm/trunk-jpl/src/py3/mesh/bamg.py
M /issm/trunk-jpl/src/py3/mesh/triangle.py M /issm/trunk-jpl/src/py3/miscellaneous/fielddisplay.py
M /issm/trunk-jpl/src/py3/modules/MeshPartition.py M /issm/trunk-jpl/src/py3/os/issmscpin.py
M /issm/trunk-jpl/src/py3/os/issmscpout.py M /issm/trunk-jpl/src/py3/os/issmssh.py
M /issm/trunk-jpl/src/py3/parameterization/setflowequation.py M /issm/trunk-
jpl/src/py3/parameterization/setmask.py M /issm/trunk-jpl/src/py3/plot/plot_manager.py
M /issm/trunk-jpl/src/py3/plot/plot_overlay.py M /issm/trunk-jpl/src/py3/plot/processdata.py
M /issm/trunk-jpl/src/py3/qmu/dakota_in_data.py M /issm/trunk-jpl/src/py3/qmu/dakota_in_params.py
M /issm/trunk-jpl/src/py3/qmu/dakota_in_write.py M /issm/trunk-jpl/src/py3/qmu/param_write.py
M /issm/trunk-jpl/src/py3/qmu/rlev_write.py M /issm/trunk-jpl/src/py3/qmu/setupdesign/QmuSetupVariab
M /issm/trunk-jpl/src/py3/qmu/vlist_write.py M /issm/trunk-jpl/src/py3/solve/loadresultsfromcluster.py
M /issm/trunk-jpl/src/py3/solve/marshall.py M /issm/trunk-jpl/src/py3/solve/waitonlock.py

Export determination: 6.

Rationale: CHG: pyhton 3 migration (not operational yet)

Change #301 with diff file ISSM-23710-23711.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4

Export determination: 6.

Rationale: BUG: fixing typo

Change #302 with diff file ISSM-23711-23712.diff:

Function name:

M /issm/trunk-jpl/src/py3/classes/matdamageice.py M /issm/trunk-jpl/src/py3/classes/matenhancedice.py

M /issm/trunk-jpl/src/py3/classes/materials.py M /issm/trunk-jpl/src/py3/classes/matestar.py

M /issm/trunk-jpl/src/py3/classes/matrice.py M /issm/trunk-jpl/src/py3/qmu/rlv_write.py

M /issm/trunk-jpl/src/py3/solve/parseresultsfromdisk.py

Export determination: 6.

Rationale: BUG:fixing fieldname recognition in parseresults

Change #303 with diff file ISSM-23712-23713.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test101.py

Export determination: 6.

Rationale: BUG:removing verbosity

Change #304 with diff file ISSM-23713-23714.diff:

Function name:

M /issm/trunk-jpl/src/py3/classes/matdamageice.py M /issm/trunk-jpl/src/py3/classes/matenhancedice.py

M /issm/trunk-jpl/src/py3/classes/matestar.py

Export determination: 6.

Rationale: BUG:fixing indentation

Change #305 with diff file ISSM-23714-23715.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/cores/transient_core.cpp

A /issm/trunk-jpl/src/c/modules/OceanExchangeDatax A /issm/trunk-jpl/src/c/modules/OceanExchangeDatax.h

A /issm/trunk-jpl/src/c/modules/OceanExchangeDatax/OceanExchangeDatax.h

M /issm/trunk-jpl/src/c/modules/modules.h

Export determination: 6.

Rationale: CHG: cleaning up ocean coupling

Change #306 with diff file ISSM-23715-23716.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/transient_core.cpp

Export determination: 6.

Rationale: BUG:fix in oceancoupling

Change #307 with diff file ISSM-23716-23717.diff:

Function name:

M /issm/trunk-jpl/src/m/archive/arch.py M /issm/trunk-jpl/src/m/array/MatlabArray.py
M /issm/trunk-jpl/src/m/boundaryconditions/SetIceSheetBC.py M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.py M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIce.py M /issm/trunk-jpl/src/m/boundaryconditions/love_numbers.py M /issm/trunk-jpl/src/m/classes/SMBcomponents.py M /issm/trunk-jpl/src/m/classes/SMBd18opdd.py M /issm/trunk-jpl/src/m/classes/SMBforcing.py M /issm/trunk-jpl/src/m/classes/SMBgemb.py M /issm/trunk-jpl/src/m/classes/SMBmeltcomponents.py M /issm/trunk-jpl/src/m/classes/SMBpdd.py M /issm/trunk-jpl/src/m/classes/SMBpddSicopolis.py M /issm/trunk-jpl/src/m/classes/autodiff.py M /issm/trunk-jpl/src/m/classes/bamggeom.py M /issm/trunk-jpl/src/m/classes/bamgmesh.py M /issm/trunk-jpl/src/m/classes/basalforcings.py M /issm/trunk-jpl/src/m/classes/clusters/cyclone.py M /issm/trunk-jpl/src/m/classes/clusters/fram.py M /issm/trunk-jpl/src/m/classes/clusters/generic.py M /issm/trunk-jpl/src/m/classes/clusters/hexagon.py M /issm/trunk-jpl/src/m/classes/clusters/pfe.py M /issm/trunk-jpl/src/m/classes/clusters/stallo.py M /issm/trunk-jpl/src/m/classes/clusters/vilje.py M /issm/trunk-jpl/src/m/classes/damage.py M /issm/trunk-jpl/src/m/classes/esa.py M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/classes/fourierlove.py M /issm/trunk-jpl/src/m/classes/frictioncoulomb.py M /issm/trunk-jpl/src/m/classes/frictionshakti.py M /issm/trunk-jpl/src/m/classes/frontalforcings.py M /issm/trunk-jpl/src/m/classes/hydrologydc.py M /issm/trunk-jpl/src/m/classes/hydrologyshakti.py M /issm/trunk-jpl/src/m/classes/levelset.py M /issm/trunk-jpl/src/m/classes/linearbasalforcings.py M /issm/trunk-jpl/src/m/classes/m1qn3inversion.py M /issm/trunk-jpl/src/m/classes/massfluxatgate.py M /issm/trunk-jpl/src/m/classes/matdamageice.py M /issm/trunk-jpl/src/m/classes/matenhancedice.py M /issm/trunk-jpl/src/m/classes/materials.py M /issm/trunk-jpl/src/m/classes/matestar.py M /issm/trunk-jpl/src/m/classes/matice.py M /issm/trunk-jpl/src/m/classes/mismipbasalforcings.py M /issm/trunk-jpl/src/m/classes/model.py M /issm/trunk-jpl/src/m/classes/organizer.py M /issm/trunk-jpl/src/m/classes/pairoptions.py M /issm/trunk-jpl/src/m/classes/plotoptions.py M /issm/trunk-jpl/src/m/classes/plumebasalforcings.py M /issm/trunk-jpl/src/m/classes/qmu/@dakota_method/dakota_method.py M /issm/trunk-jpl/src/m/classes/qmu/@dakota_method/dmeth_params_set.py M /issm/trunk-jpl/src/m/classes/qmu/@dakota_method/dmeth_params_write.py M /issm/trunk-jpl/src/m/classes/qmu/calibration_function.py M /issm/trunk-jpl/src/m/classes/qmu/continuous.py M /issm/trunk-jpl/src/m/classes/qmu/continuous_state.py M /issm/trunk-jpl/src/m/classes/qmu/least_squares.py M /issm/trunk-jpl/src/m/classes/qmu/linear_equality_constraint.py M /issm/trunk-jpl/src/m/classes/qmu/linear_inequality_constraint.py M /issm/trunk-jpl/src/m/classes/qmu/nonlinear_equality_constraint.py M /issm/trunk-jpl/src/m/classes/qmu/nonlinear_inequality_constraint.py M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.py M /issm/trunk-jpl/src/m/classes/qmu/objective_function.py M /issm/trunk-jpl/src/m/classes/qmu/response_function.py M /issm/trunk-jpl/src/m/classes/qmu/uniform.py M /issm/trunk-jpl/src/m/classes/qmu.py M /issm/trunk-jpl/src/m/classes/regionaloutput.py M /issm/trunk-jpl/src/m/classes/results.py M /issm/trunk-jpl/src/m/classes/rifts.py M /issm/trunk-jpl/src/m/classes/slr.py M /issm/trunk-jpl/src/m/classes/stressbalance.py M /issm/trunk-jpl/src/m/classes/timesteppingadaptive.py M /issm/trunk-jpl/src/m/classes/toolkits.py

M /issm/trunk-jpl/src/m/classes/verbose.py M /issm/trunk-jpl/src/m/consistency/checkfield.py
M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.py M /issm/trunk-
jpl/src/m/contrib/defleurian/netCDF/ClassTry.py M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/expo
M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/read_netCDF.py M /issm/trunk-
jpl/src/m/contrib/defleurian/paraview/enveloppeVTK.py M /issm/trunk-jpl/src/m/contrib/defleurian/paravi
M /issm/trunk-jpl/src/m/contrib/morlighem/bamg/YamsCall.py M /issm/trunk-
jpl/src/m/coordsystems/gmtmask.py M /issm/trunk-jpl/src/m/coordsystems/ll2xy.py
M /issm/trunk-jpl/src/m/coordsystems/xy2ll.py M /issm/trunk-jpl/src/m/dev/ISSM.py
M /issm/trunk-jpl/src/m/dev/devpath.py M /issm/trunk-jpl/src/m/dev/issmversion.py
M /issm/trunk-jpl/src/m/exp/expcoarsen.py M /issm/trunk-jpl/src/m/exp/expdisp.py
M /issm/trunk-jpl/src/m/exp/expread.py M /issm/trunk-jpl/src/m/extrusion/DepthAverage.py
M /issm/trunk-jpl/src/m/extrusion/project2d.py M /issm/trunk-jpl/src/m/extrusion/project3d.py
M /issm/trunk-jpl/src/m/geometry/FlagElements.py M /issm/trunk-jpl/src/m/geometry/NowickiProfile.py
M /issm/trunk-jpl/src/m/interp/SectionValues.py M /issm/trunk-jpl/src/m/interp/averaging.py
M /issm/trunk-jpl/src/m/interp/holefiller.py M /issm/trunk-jpl/src/m/interp/interp.py
M /issm/trunk-jpl/src/m/io/loadmodel.py M /issm/trunk-jpl/src/m/io/loadvars.py
M /issm/trunk-jpl/src/m/io/savevars.py M /issm/trunk-jpl/src/m/mech/analyticaldamage.py
M /issm/trunk-jpl/src/m/mech/backstressfrominversion.py M /issm/trunk-jpl/src/m/mech/calcbckstress.py
M /issm/trunk-jpl/src/m/mech/damagefrominversion.py M /issm/trunk-jpl/src/m/mech/mechanicalpropertie
M /issm/trunk-jpl/src/m/mech/steadystateiceshelftemp.py M /issm/trunk-jpl/src/m/mech/thomasparams.py
M /issm/trunk-jpl/src/m/mesh/ComputeMetric.py M /issm/trunk-jpl/src/m/mesh/bamg.py
M /issm/trunk-jpl/src/m/mesh/squaremesh.py M /issm/trunk-jpl/src/m/mesh/triangle.py
M /issm/trunk-jpl/src/m/miscellaneous/fielddisplay.py M /issm/trunk-jpl/src/m/miscellaneous/parallellrange.
M /issm/trunk-jpl/src/m/modules/MeshPartition.py M /issm/trunk-jpl/src/m/os/issmscpin.py
M /issm/trunk-jpl/src/m/os/issmscpout.py M /issm/trunk-jpl/src/m/os/issmssh.py
M /issm/trunk-jpl/src/m/parameterization/contourenvelope.py M /issm/trunk-
jpl/src/m/parameterization/parameterize.py M /issm/trunk-jpl/src/m/parameterization/setflowequation.py
M /issm/trunk-jpl/src/m/parameterization/setmask.py M /issm/trunk-jpl/src/m/partition/partitioner.py
M /issm/trunk-jpl/src/m/plot/applyoptions.py M /issm/trunk-jpl/src/m/plot/checkplotoptions.py
M /issm/trunk-jpl/src/m/plot/colormaps/cmaptools.py M /issm/trunk-jpl/src/m/plot/export_gl.py
M /issm/trunk-jpl/src/m/plot/plot_BC.py M /issm/trunk-jpl/src/m/plot/plot_contour.py
M /issm/trunk-jpl/src/m/plot/plot_elementnumbering.py M /issm/trunk-jpl/src/m/plot/plot_icefront.py
M /issm/trunk-jpl/src/m/plot/plot_manager.py M /issm/trunk-jpl/src/m/plot/plot_mesh.py
M /issm/trunk-jpl/src/m/plot/plot_overlay.py M /issm/trunk-jpl/src/m/plot/plot_quiver.py
M /issm/trunk-jpl/src/m/plot/plot_streamlines.py M /issm/trunk-jpl/src/m/plot/plot_unit.py
M /issm/trunk-jpl/src/m/plot/plot_vertexnumbering.py M /issm/trunk-jpl/src/m/plot/plotdoc.py
M /issm/trunk-jpl/src/m/plot/plotmodel.py M /issm/trunk-jpl/src/m/plot/processdata.py
M /issm/trunk-jpl/src/m/plot/writejsfield.py M /issm/trunk-jpl/src/m/plot/writejsfile.py
M /issm/trunk-jpl/src/m/qmu/dakota_in_data.py M /issm/trunk-jpl/src/m/qmu/dakota_in_params.py
M /issm/trunk-jpl/src/m/qmu/dakota_in_write.py M /issm/trunk-jpl/src/m/qmu/dakota_out_parse.py
M /issm/trunk-jpl/src/m/qmu/expandresponses.py M /issm/trunk-jpl/src/m/qmu/expandvariables.py
M /issm/trunk-jpl/src/m/qmu/helpers.py M /issm/trunk-jpl/src/m/qmu/lclist_write.py
M /issm/trunk-jpl/src/m/qmu/param_write.py M /issm/trunk-jpl/src/m/qmu/postqmu.py
M /issm/trunk-jpl/src/m/qmu/preqmu.py M /issm/trunk-jpl/src/m/qmu/rlev_write.py
M /issm/trunk-jpl/src/m/qmu/rlist_write.py M /issm/trunk-jpl/src/m/qmu/vlist_write.py
M /issm/trunk-jpl/src/m/solve/WriteData.py M /issm/trunk-jpl/src/m/solve/loadresultsfromcluster.py

M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.py M /issm/trunk-jpl/src/m/solve/marshall.py
M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py M /issm/trunk-jpl/src/m/solve/solve.py
M /issm/trunk-jpl/src/m/solve/waitonlock.py M /issm/trunk-jpl/src/m/solvers/mumpsoptions.py
Export determination: 6.
Rationale: CHG: shifting to py3 version of python interface (py2 compatible)

Change #308 with diff file ISSM-23717-23718.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/modules/OceanExchangeDatax/OceanExchangeDatax.cpp
M /issm/trunk-jpl/src/c/modules/OceanExchangeDatax/OceanExchangeDatax.h

Export determination: 6.

Rationale: CHG: finished cleaning up ocean coupling

Change #309 with diff file ISSM-23718-23719.diff:

Function name:

M /issm/trunk-jpl/src/m/dev/devpath.py

Export determination: 6.

Rationale: BUG:reverting commit of personal tweek to devpath

Change #310 with diff file ISSM-23719-23720.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/organizer.py M /issm/trunk-jpl/src/m/io/loadmodel.py

M /issm/trunk-jpl/src/m/io/loadvars.py

Export determination: 6.

Rationale: BUG:fixing an import incompatibility

Change #311 with diff file ISSM-23720-23721.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.cpp

Export determination: 6.

Rationale: BUG: p1xp2 transient spcs were not working properly with the new scheme

Change #312 with diff file ISSM-23721-23722.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/geometry.js M /issm/trunk-jpl/src/m/classes/geometry.m

M /issm/trunk-jpl/src/m/classes/geometry.py

Export determination: 6.

Rationale: CHG: ice thickness can be negative for GIA

Change #313 with diff file ISSM-23722-23723.diff:

Function name:

M /issm/trunk-jpl/src/m/os/issmscpin.py

Export determination: 6.

Rationale: BUG: adding svn flag (stackoverflow 54598689 for details)

Change #314 with diff file ISSM-23723-23724.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp

Export determination: 6.

Rationale: BUG: masstransport with grounding line was broken

Change #315 with diff file ISSM-23724-23725.diff:

Function name:

A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/BuildDakotaCustom.cmake.stallo.patch

M /issm/trunk-jpl/externalpackages/dakota/configs/6.2/CMakeLists.txt.stallo.patch

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-stallo.sh

Export determination: 6.

Rationale: CHG: force dakota to file pthread

Change #316 with diff file ISSM-23725-23726.diff:

Function name:

M /issm/trunk-jpl/externalpackages/boost/install-1.55-stallo.sh

Export determination: 6.

Rationale: CHG: stallo boost needs to build with mpi compilers

Change #317 with diff file ISSM-23726-23727.diff:

Function name:

M /issm/trunk-jpl/externalpackages/boost/install-1.55-stallo.sh

Export determination: 6.

Rationale: CHG: update PATH for boost install

Change #318 with diff file ISSM-23727-23728.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-stallo.sh

Export determination: 6.

Rationale: CHG: add PATH for dakota stallo install also

Change #319 with diff file ISSM-23728-23729.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/runme.py

Export determination: 6.

Rationale: BUG: fixing import issues

Change #320 with diff file ISSM-23729-23730.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp

Export determination: 6.

Rationale: BUG: shifting hydro loop control on steps rather than time

Change #321 with diff file ISSM-23730-23731.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/lonestar.m M /issm/trunk-jpl/src/m/classes/clusters/stallo.m

Export determination: 6.

Rationale: CHG: update modules for clusters

Change #322 with diff file ISSM-23731-23732.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/runme.py

Export determination: 6.
Rationale: CHG: Attempt at triggering job failure with sys.exit()

Change #323 with diff file ISSM-23732-23733.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: Catching Python errors by searching log for Traceback

Change #324 with diff file ISSM-23733-23734.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/runme.py
Export determination: 6.
Rationale: CHG: Reverting changes to runme.py

Change #325 with diff file ISSM-23734-23735.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: Adding path to /dev via PYTHONPATH

Change #326 with diff file ISSM-23735-23736.diff:
Function name:
M /issm/trunk-jpl/src/m/qmu/dakota_in_write.py M /issm/trunk-jpl/src/m/qmu/rlev_write.py
Export determination: 6.
Rationale: BUG: fixed rlev_write import error

Change #327 with diff file ISSM-23736-23737.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: Formatting of message when Python exits in error

Change #328 with diff file ISSM-23737-23738.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/love_numbers.py M /issm/trunk-jpl/src/m/classes/autodiff.py M /issm/trunk-jpl/src/m/classes/materials.py M /issm/trunk-jpl/src/m/coordsystems/gmtmask.py

Export determination: 6.

Rationale: BUG: fixed various minor bugs preventing ADOLC and SE from building properly

Change #329 with diff file ISSM-23738-23739.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/applyoptions.m

Export determination: 6.

Rationale: CHG: only apply colormap to current axis

Change #330 with diff file ISSM-23739-23740.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/initialization.m

Export determination: 6.

Rationale: CHG: adding enthalpy to temperature for Josh that has non P1 elements

Change #331 with diff file ISSM-23740-23741.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/initialization.m

Export determination: 6.

Rationale: BUG: do not marshall enthalpy twice

Change #332 with diff file ISSM-23741-23742.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3019.py

Export determination: 6.

Rationale: BUG: problem indexing in python

Change #333 with diff file ISSM-23742-23743.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3019.py

Export determination: 6.

Rationale: CHG: Modified array addressing again as per Nathan's advice.

Change #334 with diff file ISSM-23743-23744.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3019.py

Export determination: 6.

Rationale: CHG: Reverting changes and testing in Jenkins first.

Change #335 with diff file ISSM-23744-23745.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3019.py

Export determination: 6.

Rationale: CHG: Reverting changes and testing in Jenkins first.

Change #336 with diff file ISSM-23745-23746.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3019.py

Export determination: 6.

Rationale: CHG: Modified array addressing again as per Nathan's advice.

Change #337 with diff file ISSM-23746-23747.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3001.py M /issm/trunk-jpl/test/NightlyRun/test3002.py
M /issm/trunk-jpl/test/NightlyRun/test3003.py M /issm/trunk-jpl/test/NightlyRun/test3004.py
M /issm/trunk-jpl/test/NightlyRun/test3005.py M /issm/trunk-jpl/test/NightlyRun/test3006.py
M /issm/trunk-jpl/test/NightlyRun/test3007.py M /issm/trunk-jpl/test/NightlyRun/test3008.py
M /issm/trunk-jpl/test/NightlyRun/test3009.py M /issm/trunk-jpl/test/NightlyRun/test3010.py
M /issm/trunk-jpl/test/NightlyRun/test3101.py M /issm/trunk-jpl/test/NightlyRun/test3102.py
M /issm/trunk-jpl/test/NightlyRun/test3103.py M /issm/trunk-jpl/test/NightlyRun/test3104.py
M /issm/trunk-jpl/test/NightlyRun/test3105.py M /issm/trunk-jpl/test/NightlyRun/test3106.py
M /issm/trunk-jpl/test/NightlyRun/test3107.py M /issm/trunk-jpl/test/NightlyRun/test3108.py

M /issm/trunk-jpl/test/NightlyRun/test3109.py M /issm/trunk-jpl/test/NightlyRun/test3119.py
Export determination: 6.
Rationale: CHG: Explicitly adding solvers to toolkits property of model for
Python versions of ADOL-C tests.

Change #338 with diff file ISSM-23747-23748.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test3119.py
Export determination: 6.
Rationale: CHG: Num procs ≥ 1 not supported for parallel runs with GSL solver.

Change #339 with diff file ISSM-23748-23749.diff:
Function name:
M /issm/trunk-jpl/src/m/solvers/issmmumpsolver.py
Export determination: 6.
Rationale: CHG: Default for option mat_type should be mpisparse

Change #340 with diff file ISSM-23749-23750.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test3019.py
Export determination: 6.
Rationale: CHG: wrong fov _ index

Change #341 with diff file ISSM-23750-23751.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/ExternalResults/GenericExternalResult.h
Export determination: 6.
Rationale: CHG: fixed compiler warning

Change #342 with diff file ISSM-23751-23752.diff:
Function name:
M /issm/trunk-jpl/src/m/consistency/checkfield.py M /issm/trunk-jpl/src/py3/consistency/checkfield.py
M /issm/trunk-jpl/test/NightlyRun/test3019.py

Export determination: 6.

Rationale: CHG: Temporary fix for ADOL-C ampioff (Nathan will refactor tomorrow)

Change #343 with diff file ISSM-23752-23753.diff:

Function name:

A /issm/trunk-jpl/examples/LcurveAnalysis A /issm/trunk-jpl/examples/LcurveAnalysis/DomainOutline.exp

A /issm/trunk-jpl/examples/LcurveAnalysis/Front.exp A /issm/trunk-jpl/examples/LcurveAnalysis/Square.p

A /issm/trunk-jpl/examples/LcurveAnalysis/runme.m

Export determination: 6.

Rationale: NEW: example of a L-curve analysis for ice rigidity inversion

Change #344 with diff file ISSM-23753-23754.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test243.py

Export determination: 6.

Rationale: CHG: need to remove encoding for py2

Change #345 with diff file ISSM-23754-23755.diff:

Function name:

M /issm/trunk-jpl/src/m/dev/devpath.py

Export determination: 6.

Rationale: CHG: fixing indentation

Change #346 with diff file ISSM-23755-23756.diff:

Function name:

M /issm/trunk-jpl/src/m/dev/devpath.py

Export determination: 6.

Rationale: CHG: pep8 look and indent check

Change #347 with diff file ISSM-23756-23757.diff:

Function name:

M /issm/trunk-jpl/src/py3/boundaryconditions/love_numbers.py

Export determination: 6.
Rationale: CHG: fixed indentation

Change #348 with diff file ISSM-23757-23758.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test318.py M /issm/trunk-jpl/test/NightlyRun/test426.py
Export determination: 6.
Rationale: CHG: update tolerances for python nightly

Change #349 with diff file ISSM-23758-23759.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/issmsettings.m M /issm/trunk-jpl/src/m/classes/issmsettings.py M /issm/trunk-jpl/src/m/classes/model.m
Export determination: 6.
Rationale: CHG: change results on nodes to be a list of strings instead of a bool

Change #350 with diff file ISSM-23759-23760.diff:
Function name:
M /issm/trunk-jpl/src/m/dev/devpath.py
Export determination: 6.
Rationale: BUG: fixing indent

Change #351 with diff file ISSM-23760-23761.diff:
Function name:
M /issm/trunk-jpl/src/m/consistency/checkfield.m
Export determination: 6.
Rationale: CHG: added 'universal' option to consistency/checkfield.m

Change #352 with diff file ISSM-23761-23762.diff:
Function name:

M /issm/trunk-jpl/src/m/consistency/checkfield.py
Export determination: 6.
Rationale: NEW: added universal field size to checkfield.py

Change #353 with diff file ISSM-23762-23763.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test125.m M /issm/trunk-jpl/test/NightlyRun/test125.py
Export determination: 6.
Rationale: CHG: add some complexity to timestepping for restart test

Change #354 with diff file ISSM-23763-23764.diff:
Function name:
M /issm/trunk-jpl/etc/environment.sh A /issm/trunk-jpl/externalpackages/nco
A /issm/trunk-jpl/externalpackages/nco/install.sh
Export determination: 6.
Rationale: CHG: added nco

Change #355 with diff file ISSM-23764-23765.diff:
Function name:
D /issm/trunk-jpl/src/py3
Export determination: 6.
Rationale: DEL: not needed anymore: py3

Change #356 with diff file ISSM-23765-23766.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Node.cpp
Export determination: 6.
Rationale: CHG: only relax spc if non active

Change #357 with diff file ISSM-23766-23767.diff:
Function name:
M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.h
Export determination: 6.

Rationale: NEW: added long long type

Change #358 with diff file ISSM-23767-23768.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/m/solve/WriteData.m

Export determination: 6.

Rationale: CHG: switching to int64 for recordlength

Change #359 with diff file ISSM-23768-23769.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/WriteData.py

Export determination: 6.

Rationale: CHG: recordlength is now int64

Change #360 with diff file ISSM-23769-23770.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/basalforcingsismip6.m

Export determination: 6.

Rationale: NEW: ISMIP6 basal melt rate parameterization class added

Change #361 with diff file ISSM-23770-23771.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/transient.m M /issm/trunk-jpl/src/m/classes/transient.py

Export determination: 6.

Rationale: CHG: added check that damage evolution is only allowed if md.materials is matdamageice

Change #362 with diff file ISSM-23771-23772.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/model.m M /issm/trunk-jpl/src/m/classes/model.py

Export determination: 6.

Rationale: CHG: minor

Change #363 with diff file ISSM-23772-23773.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/issmsettings.py M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/export

M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/read_netCDF.py M /issm/trunk-

jpl/src/m/contrib/defleurian/paraview/enveloppeVTK.py M /issm/trunk-jpl/src/m/io/loadmodel.py

M /issm/trunk-jpl/src/m/io/loadvars.py M /issm/trunk-jpl/src/m/os/issmscpin.py

M /issm/trunk-jpl/src/m/plot/plot_overlay.py M /issm/trunk-jpl/src/m/solve/WriteData.py

M /issm/trunk-jpl/src/m/solve/parsersresultsfromdisk.py

Export determination: 6.

Rationale: CHG:some pep8 compliance and changes in Write tests

Change #364 with diff file ISSM-23773-23774.diff:

Function name:

M /issm/trunk-jpl/src/m/consistency/checkfield.m

Export determination: 6.

Rationale: CHG: more flexible size check for multidimensional arrays

Change #365 with diff file ISSM-23774-23775.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/matdamageice.py M /issm/trunk-jpl/src/m/classes/matenhancedice.py

M /issm/trunk-jpl/src/m/classes/matestar.m M /issm/trunk-jpl/src/m/classes/matestar.py

M /issm/trunk-jpl/src/m/classes/matrice.py

Export determination: 6.

Rationale: CHG: minor, averaging should be an integer

Change #366 with diff file ISSM-23775-23776.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/hpc.m

Export determination: 6.

Rationale: CHG: minor

Change #367 with diff file ISSM-23776-23777.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/organizer.m

Export determination: 6.

Rationale: NEW: option to skip io to speed up runme for testing

Change #368 with diff file ISSM-23777-23778.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/basalforcingsismip6.m

Export determination: 6.

Rationale: CHG: fixed some fields in ISMIP6 forcing

Change #369 with diff file ISSM-23778-23779.diff:

Function name:

M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim

Export determination: 6.

Rationale: CHG: updating enum highlighting

Change #370 with diff file ISSM-23779-23780.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/googlemaps.m

Export determination: 6.

Rationale: CHG: make googlemaps work with key

Change #371 with diff file ISSM-23780-23781.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/scaleruler.m

Export determination: 6.

Rationale: CHG minor

Change #372 with diff file ISSM-23781-23782.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/basalforcingsismip6.m M /issm/trunk-jpl/src/m/solve/WriteData.m

Export determination: 6.

Rationale: CHG: working on ISMIP6 forcing

Change #373 with diff file ISSM-23782-23783.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRatex/FloatingiceMeltingRatex.cpp M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRatex/FloatingiceMeltingRatex.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefi
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringTo
M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp

Export determination: 6.

Rationale: NEW: working on ISMIP6 forcings

Change #374 with diff file ISSM-23783-23784.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/constants.py M /issm/trunk-jpl/src/m/classes/transient.py
M /issm/trunk-jpl/src/m/consistency/checkfield.m M /issm/trunk-jpl/src/m/consistency/checkfield.py

Export determination: 6.

Rationale: BUG: translated new checkfield size check to python, fixed constants
size check condition, fixed transient.py tab-alignment problem

Change #375 with diff file ISSM-23784-23785.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/frictionwaterlayer.py M /issm/trunk-jpl/src/m/consistency/checkfield.py
M /issm/trunk-jpl/test/NightlyRun/test319.py M /issm/trunk-jpl/test/NightlyRun/test511.py
M /issm/trunk-jpl/test/NightlyRun/test611.py M /issm/trunk-jpl/test/NightlyRun/test613.py

Export determination: 6.

Rationale: BUG: fixed consistency check failures in several tests and changed
consistencycheck.py to report size check failures correctly

Change #376 with diff file ISSM-23785-23786.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test212.py M /issm/trunk-jpl/test/NightlyRun/test213.py
M /issm/trunk-jpl/test/NightlyRun/test214.py M /issm/trunk-jpl/test/NightlyRun/test215.py
M /issm/trunk-jpl/test/NightlyRun/test245.py M /issm/trunk-jpl/test/NightlyRun/test272.py
M /issm/trunk-jpl/test/NightlyRun/test320.py M /issm/trunk-jpl/test/NightlyRun/test321.py
M /issm/trunk-jpl/test/NightlyRun/test322.py M /issm/trunk-jpl/test/NightlyRun/test340.py
M /issm/trunk-jpl/test/NightlyRun/test341.py M /issm/trunk-jpl/test/NightlyRun/test415.py
M /issm/trunk-jpl/test/NightlyRun/test416.py M /issm/trunk-jpl/test/NightlyRun/test512.py
M /issm/trunk-jpl/test/NightlyRun/test513.py

Export determination: 6.
Rationale: BUG: fixed failing consistency checks

Change #377 with diff file ISSM-23786-23787.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test2085.py
Export determination: 6.
Rationale: BUG: fixed 2085 consistency failure

Change #378 with diff file ISSM-23787-23788.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model.py M /issm/trunk-jpl/src/m/extrusion/DepthAverage.py
M /issm/trunk-jpl/src/m/extrusion/project2d.py
Export determination: 6.
Rationale: CHG pep8 ompliance and treatment of hydrology colapse

Change #379 with diff file ISSM-23788-23789.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model.py
Export determination: 6.
Rationale: BUG:fixing typo

Change #380 with diff file ISSM-23789-23790.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test3103.m M /issm/trunk-jpl/test/NightlyRun/test3103.py
Export determination: 6.
Rationale: CHG: Eased field tolerances.

Change #381 with diff file ISSM-23790-23791.diff:
Function name:
M /issm/trunk-jpl/externalpackages/boost/install-1.55-stallo.sh M /issm/trunk-jpl/externalpackages/dakota/configs/6.2/BuildDakotaCustom.cmake.stallo.patch
M /issm/trunk-jpl/externalpackages/dakota/configs/6.2/CMakeLists.txt.stallo.patch

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-stallo.sh A /issm/trunk-jpl/externalpackages/petsc/install-3.6-stallo.sh
Export determination: 6.
Rationale: CHG: make stallo dakota with petsc and GNU

Change #382 with diff file ISSM-23791-23792.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test322.m M /issm/trunk-jpl/test/NightlyRun/test322.py

Export determination: 6.

Rationale: CHG: Eased field tolerances.

Change #383 with diff file ISSM-23792-23793.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test203.js M /issm/trunk-jpl/test/NightlyRun/test203.m

M /issm/trunk-jpl/test/NightlyRun/test203.py

Export determination: 6.

Rationale: CHG: Eased field tolerances.

Change #384 with diff file ISSM-23793-23794.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/GetIds.py M /issm/trunk-jpl/test/NightlyRun/IdFromString.py

M /issm/trunk-jpl/test/NightlyRun/IdToName.py M /issm/trunk-jpl/test/NightlyRun/runme.py

M /issm/trunk-jpl/test/NightlyRun/test101.py M /issm/trunk-jpl/test/NightlyRun/test102.py

M /issm/trunk-jpl/test/NightlyRun/test103.py M /issm/trunk-jpl/test/NightlyRun/test104.py

M /issm/trunk-jpl/test/NightlyRun/test105.py M /issm/trunk-jpl/test/NightlyRun/test106.py

M /issm/trunk-jpl/test/NightlyRun/test107.py M /issm/trunk-jpl/test/NightlyRun/test108.py

M /issm/trunk-jpl/test/NightlyRun/test109.py M /issm/trunk-jpl/test/NightlyRun/test110.py

M /issm/trunk-jpl/test/NightlyRun/test1101.py M /issm/trunk-jpl/test/NightlyRun/test1102.py

M /issm/trunk-jpl/test/NightlyRun/test1103.py M /issm/trunk-jpl/test/NightlyRun/test1104.py

M /issm/trunk-jpl/test/NightlyRun/test1105.py M /issm/trunk-jpl/test/NightlyRun/test1106.py

M /issm/trunk-jpl/test/NightlyRun/test1107.py M /issm/trunk-jpl/test/NightlyRun/test1108.py

M /issm/trunk-jpl/test/NightlyRun/test1109.py M /issm/trunk-jpl/test/NightlyRun/test111.py

M /issm/trunk-jpl/test/NightlyRun/test1110.py M /issm/trunk-jpl/test/NightlyRun/test112.py

M /issm/trunk-jpl/test/NightlyRun/test113.py M /issm/trunk-jpl/test/NightlyRun/test114.py

M /issm/trunk-jpl/test/NightlyRun/test115.py M /issm/trunk-jpl/test/NightlyRun/test116.py

M /issm/trunk-jpl/test/NightlyRun/test119.py M /issm/trunk-jpl/test/NightlyRun/test120.py

M /issm/trunk-jpl/test/NightlyRun/test1201.py M /issm/trunk-jpl/test/NightlyRun/test1202.py

M /issm/trunk-jpl/test/NightlyRun/test1203.py M /issm/trunk-jpl/test/NightlyRun/test1204.py

[illegible]

[illegible]

Change #385 with diff file ISSM-23794-23795.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/runme.py

Export determination: 6.

Rationale: BUG:error catching trouble

Change #386 with diff file ISSM-23795-23796.diff:

Function name:

M /issm/trunk-jpl/m4/analyses.m4 M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-

jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.h

M /issm/trunk-jpl/src/c/classes/Elements/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRatex/FloatingIceMeltingRatex.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M

/issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStrin

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: NEW: Initial ISMIP6 melt rate parameterization implimentation

Change #387 with diff file ISSM-23796-23797.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh M /issm/trunk-jpl/test/NightlyRun/runme.py

Export determination: 6.

Rationale: BUG: Indentation errors; typos; missing env var PYTHONSTARTUP

Change #388 with diff file ISSM-23797-23798.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-

jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TransientI

M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRatex/FloatingIceMeltingRatex.cpp

Export determination: 6.

Rationale: NEW: finished Ismip6 melt implementation

Change #389 with diff file ISSM-23798-23799.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive471.arch

Export determination: 6.

Rationale: CHG: Update test471 archive

Change #390 with diff file ISSM-23799-23800.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRate/FloatingIceMeltingRate.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessor/CreateParameters.cpp M
/issm/trunk-jpl/src/m/classes/basalforcingsismip6.m A /issm/trunk-jpl/test/Archives/Archive472.arch

A /issm/trunk-jpl/test/NightlyRun/test472.m

Export determination: 6.

Rationale: NEW: Add NR test for ISMIP6 basal melt rate parameterization.

Made slight modifications to code to remove memory leaks for this parameterization

Change #391 with diff file ISSM-23800-23801.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: CHG: added SigmaVM to penta

Change #392 with diff file ISSM-23801-23802.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: CHG: added Rignot's melt parameterization for 3D

Change #393 with diff file ISSM-23802-23803.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: added error message when bed is not loaded (requested_output='IceVolumeAboveFloation')

Change #394 with diff file ISSM-23803-23804.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: BUG: fix in RignotMeltParameterization

Change #395 with diff file ISSM-23804-23805.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: BUG: fix in RignotMeltParameterization

Change #396 with diff file ISSM-23805-23806.diff:

Function name:

M /issm/trunk-jpl/src/m/extrusion/DepthAverage.m M /issm/trunk-jpl/src/m/extrusion/DepthAverage.py

Export determination: 6.

Rationale: BUG: depth average for element fields (P0) is working now

Change #397 with diff file ISSM-23806-23807.diff:

Function name:

A /issm/trunk-jpl/src/m/interp/InterpFromModel3dToMesh2d.m A /issm/trunk-jpl/src/m/interp/InterpFromModelToModel3d.m

Export determination: 6.

Rationale: NEW: interpolation from a 3d model to another 3d model using sigma coordinate

Change #398 with diff file ISSM-23807-23808.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Elements/BuddJacka.cpp M /issm/trunk-jpl/src/m/materials/buddjacka.m

Export determination: 6.

Rationale: BUG: wrong rate factor conversion from Aoctahedral to Aeffective in BuddJacka

Change #399 with diff file ISSM-23808-23809.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/SMBgemb.m

M /issm/trunk-jpl/src/m/classes/SMBgemb.py

Export determination: 6.

Rationale: CHG: add capability to repeat forcing as a climatology for GEMB

Change #400 with diff file ISSM-23809-23810.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp

Export determination: 6.

Rationale: CHG: Checking if ADOL-C is included, and if so, grabbing value from adouble before call to fmod (from ADOL-C manual, fmod and modf are not overloaded for active arguments)

Change #401 with diff file ISSM-23810-23811.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp

Export determination: 6.

Rationale: BUG: do not force ADOLC to compile if a non differentiable function is used

Change #402 with diff file ISSM-23811-23812.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp

Export determination: 6.

Rationale: CHG: update climatology to not use fmod

Change #403 with diff file ISSM-23812-23813.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/initialization.py
Export determination: 6.
Rationale: CHG: add enthalpy to match the matlab version, for transient restart

Change #404 with diff file ISSM-23813-23814.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: CHG: change floor to a cast to int for AD

Change #405 with diff file ISSM-23814-23815.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp M /issm/trunk-jpl/src/m/classes/SMBcomponents.py
M /issm/trunk-jpl/src/m/classes/SMBcomponents.py M /issm/trunk-jpl/src/m/classes/SMBforcing.m
M /issm/trunk-jpl/src/m/classes/SMBforcing.py M /issm/trunk-jpl/src/m/classes/SMBgemb.m
M /issm/trunk-jpl/src/m/classes/SMBgemb.py M /issm/trunk-jpl/src/m/classes/SMBmeltcomponents.m
M /issm/trunk-jpl/src/m/classes/SMBmeltcomponents.py M /issm/trunk-jpl/src/m/classes/model.m
Export determination: 6.
Rationale: NEW: Add option to repeat smb forcing as a climatology for GEMB
and smb components forcing

Change #406 with diff file ISSM-23815-23816.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.cpp
Export determination: 6.
Rationale: CHG: use reCast to cast int for SMB climatology

Change #407 with diff file ISSM-23816-23817.diff:
Function name:
A /issm/trunk-jpl/test/Archives/Archive352.arch A /issm/trunk-jpl/test/Archives/Archive353.arch
A /issm/trunk-jpl/test/Archives/Archive354.arch A /issm/trunk-jpl/test/NightlyRun/test352.m
A /issm/trunk-jpl/test/NightlyRun/test352.py A /issm/trunk-jpl/test/NightlyRun/test353.m

A /issm/trunk-jpl/test/NightlyRun/test353.py A /issm/trunk-jpl/test/NightlyRun/test354.m
A /issm/trunk-jpl/test/NightlyRun/test354.py
Export determination: 6.
Rationale: NEW: add tests for SMB climatology

Change #408 with diff file ISSM-23817-23818.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance

Export determination: 6.

Rationale: CHG: Adding 'From' argument to reCast template calls, as needed

Change #409 with diff file ISSM-23818-23819.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive252.arch A /issm/trunk-jpl/test/NightlyRun/test252.m

A /issm/trunk-jpl/test/NightlyRun/test252.py

Export determination: 6.

Rationale: NEW: add Gemb climatology test

Change #410 with diff file ISSM-23819-23820.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance

Export determination: 6.

Rationale: CHG: added initialization for clitime

Change #411 with diff file ISSM-23820-23821.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test252.m M /issm/trunk-jpl/test/NightlyRun/test252.py

Export determination: 6.

Rationale: CHG: Eased field tolerances

Change #412 with diff file ISSM-23821-23822.diff:

Function name:

A /issm/trunk-jpl/externalpackages/petsc/install-3.11-linux64.sh

Export determination: 6.
Rationale: CHG: added install-3.11-linux64.sh

Change #413 with diff file ISSM-23822-23823.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/adjointstressbalance_core.cpp
Export determination: 6.
Rationale: CHG: removed a repeated command

Change #414 with diff file ISSM-23823-23824.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test404.m M /issm/trunk-jpl/test/NightlyRun/test404.py
Export determination: 6.
Rationale: CHG: Eased field tolerance

Change #415 with diff file ISSM-23824-23825.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/calvingminthickness.m M /issm/trunk-jpl/src/m/classes/calvingvonmises.m
M /issm/trunk-jpl/src/m/classes/calvingvonmises.py
Export determination: 6.
Rationale: CHG: added min_thickness field to calving VM (not implemented in C++ yet)

Change #416 with diff file ISSM-23825-23826.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
Export determination: 6.
Rationale: NEW: added min thickness criterion to VM as well

Change #417 with diff file ISSM-23826-23827.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
Export determination: 6.

Rationale: CHG: make sure we do not calve on grounded ice if $H_i H_{min}$

Change #418 with diff file ISSM-23827-23828.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp

Export determination: 6.

Rationale: CHG: calve only if bed \geq sealevel

Change #419 with diff file ISSM-23828-23829.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/geometry.m

Export determination: 6.

Rationale: CHG: added check on bed

Change #420 with diff file ISSM-23829-23830.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test540.m M /issm/trunk-jpl/test/NightlyRun/test540.py

M /issm/trunk-jpl/test/Par/Pig.par

Export determination: 6.

Rationale: NEW: fixed Pig calving law now that we need the bed

Change #421 with diff file ISSM-23830-23831.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh M /issm/trunk-jpl/test/NightlyRun/runme.py

Export determination: 6.

Rationale: CHG: Testing better error parsing in Jenkins for Python tests

Change #422 with diff file ISSM-23831-23832.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/geometry.py M /issm/trunk-jpl/test/NightlyRun/runme.py

M /issm/trunk-jpl/test/Par/Pig.py

Export determination: 6.

Rationale: CHG: added a few minor changes, fixed minor runme bug

Change #423 with diff file ISSM-23832-23833.diff:

Function name:

M /issm/trunk-jpl/test/Data/Pig.arch

Export determination: 6.

Rationale: CHG: added bed to Pig

Change #424 with diff file ISSM-23833-23834.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBcomponents.py M /issm/trunk-jpl/src/m/classes/SMBforcing.py

M /issm/trunk-jpl/src/m/classes/SMBmeltcomponents.py M /issm/trunk-jpl/src/m/classes/geometry.py

M /issm/trunk-jpl/src/m/classes/initialization.py M /issm/trunk-jpl/test/NightlyRun/runme.py

Export determination: 6.

Rationale: BUG: fixed various tab vs 4-space bugs and misaligned tabs

Change #425 with diff file ISSM-23834-23835.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/geometry.py

Export determination: 6.

Rationale: BUG: missing np

Change #426 with diff file ISSM-23835-23836.diff:

Function name:

M /issm/trunk-jpl/test/Par/Pig.py

Export determination: 6.

Rationale: CHG: trying to fix pig's bed

Change #427 with diff file ISSM-23836-23837.diff:

Function name:

M /issm/trunk-jpl/test/Par/SquareShelf.par M /issm/trunk-jpl/test/Par/SquareShelf.py

Export determination: 6.

Rationale: CHG: trying to fix pig's bed

Change #428 with diff file ISSM-23837-23838.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp

Export determination: 6.

Rationale: BUG: added bed to inputs

Change #429 with diff file ISSM-23838-23839.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/calvingvonmises.py M /issm/trunk-jpl/test/Par/Pig.py

Export determination: 6.

Rationale: BUG: fixed bug in Pig.py and tab misalignment in calvingonmises.py

Change #430 with diff file ISSM-23839-23840.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp M /issm/trunk-jpl/src/c/classes/Loads/Friction.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp A /issm/trunk-jpl/src/m/classes/frictionschoof.m

Export determination: 6.

Rationale: CHG: added schoof law and centralized calculation of basal vel

Change #431 with diff file ISSM-23840-23841.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp M /issm/trunk-jpl/src/m/classes/frictionschoof.m

Export determination: 6.

Rationale: BUG: fixed Schoof

Change #432 with diff file ISSM-23841-23842.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp M /issm/trunk-jpl/test/Archives/Archive408.arch

M /issm/trunk-jpl/test/Archives/Archive443.arch

Export determination: 6.

Rationale: BUG: fixing alpha2 j0 in coulomb friction law

Change #433 with diff file ISSM-23842-23843.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/linearbasalforcings.m M /issm/trunk-jpl/src/m/classes/linearbasalforcings.py

Export determination: 6.

Rationale: NEW: adding upperwater melting rate

Change #434 with diff file ISSM-23843-23844.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/C

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/c/shared/Enum/Synchron

Export determination: 6.

Rationale: NEW: adding upperwater melting rate

Change #435 with diff file ISSM-23844-23845.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp

Export determination: 6.

Rationale: BUG: apply melt, not elevation :)

Change #436 with diff file ISSM-23845-23846.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/geometry.m M /issm/trunk-jpl/src/m/classes/geometry.py

Export determination: 6.

Rationale: FIX: allowed small tolerance for bed_i base (10⁻¹²)

Change #437 with diff file ISSM-23846-23847.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalanc

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/SurfaceMassBalancex.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: add GEMB output for surface fluxes

Change #438 with diff file ISSM-23847-23848.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/WriteData.m

Export determination: 6.

Rationale: CHG: minor

Change #439 with diff file ISSM-23848-23849.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive243.arch M /issm/trunk-jpl/test/Archives/Archive252.arch

Export determination: 6.

Rationale: CHG: new GEMB archives

Change #440 with diff file ISSM-23849-23850.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/test/Archives/Archive243.arch

M /issm/trunk-jpl/test/Archives/Archive244.arch M /issm/trunk-jpl/test/NightlyRun/test243.m

M /issm/trunk-jpl/test/NightlyRun/test243.py

Export determination: 6.

Rationale: CHG: calculate fluxes as means instead of sums and add flux output to GEMB tests

Change #441 with diff file ISSM-23850-23851.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test243.m M /issm/trunk-jpl/test/NightlyRun/test243.py

Export determination: 6.

Rationale: CHG: fix tolerances for fluxes

Change #442 with diff file ISSM-23851-23852.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test252.m M /issm/trunk-jpl/test/NightlyRun/test252.py

Export determination: 6.

Rationale: CHG: update GEMB tools for mac and python

Change #443 with diff file ISSM-23852-23853.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test417.m M /issm/trunk-jpl/test/NightlyRun/test417.py

Export determination: 6.

Rationale: CHG: update dakota options to see if it fixes crash

Change #444 with diff file ISSM-23853-23854.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Inputs/Inputs.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: BUG: make sure that all input Enums are in the right place

Change #445 with diff file ISSM-23854-23855.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh M /issm/trunk-jpl/src/c/classes/Inputs/Inputs.cpp

Export determination: 6.

Rationale: BUG: fixed jenkins server URL

Change #446 with diff file ISSM-23855-23856.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: moving Enums around

Change #447 with diff file ISSM-23856-23857.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: moving Enums around

Change #448 with diff file ISSM-23857-23858.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: moving Enums around

Change #449 with diff file ISSM-23858-23859.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive244.arch M /issm/trunk-jpl/test/NightlyRun/test243.m

M /issm/trunk-jpl/test/NightlyRun/test243.py M /issm/trunk-jpl/test/NightlyRun/test244.m

M /issm/trunk-jpl/test/NightlyRun/test244.py M /issm/trunk-jpl/test/NightlyRun/test252.m

M /issm/trunk-jpl/test/NightlyRun/test252.py

Export determination: 6.

Rationale: CHG: increase speed of GEMB tests

Change #450 with diff file ISSM-23859-23860.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: moving Enums around

Change #451 with diff file ISSM-23860-23861.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test439.m M /issm/trunk-jpl/test/NightlyRun/test439.py

Export determination: 6.

Rationale: CHG: Eased field tolerance

Change #452 with diff file ISSM-23861-23862.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: BUG: fixgin enum order

Change #453 with diff file ISSM-23862-23863.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: moved enums around

Change #454 with diff file ISSM-23863-23864.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: moving Enums around

Change #455 with diff file ISSM-23864-23865.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: moving Enums around

Change #456 with diff file ISSM-23865-23866.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test445.m M /issm/trunk-jpl/test/NightlyRun/test445.py

Export determination: 6.

Rationale: CHG: change analysis type to stressbalance for stability of nightlies

Change #457 with diff file ISSM-23866-23867.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: moving Enums around

Change #458 with diff file ISSM-23867-23868.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/AdjointHorizA
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/
M /issm/trunk-jpl/src/c/modules/RheologyBAbsGradientx/RheologyBAbsGradientx.cpp
M /issm/trunk-jpl/src/c/modules/RheologyBAbsGradientx/RheologyBAbsGradientx.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: NEW: added 508 cost function

Change #459 with diff file ISSM-23868-23869.diff:

Function name:

M /issm/trunk-jpl/src/m/inversions/marshallcostfunctions.m M /issm/trunk-
jpl/src/m/inversions/supportedcostfunctions.m

Export determination: 6.

Rationale: NEW: added 508 cost function

Change #460 with diff file ISSM-23869-23870.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test404.m M /issm/trunk-jpl/test/NightlyRun/test404.py

Export determination: 6.

Rationale: CHG: Eased field tolerance

Change #461 with diff file ISSM-23870-23871.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/friction.py M /issm/trunk-jpl/src/m/classes/hydrologydc.py
M /issm/trunk-jpl/src/m/classes/model.py M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.py
M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/export_netCDF.py M /issm/trunk-
jpl/src/m/contrib/defleurian/paraview/exportVTK.py M /issm/trunk-jpl/src/m/extrusion/project3d.py
M /issm/trunk-jpl/src/m/plot/plotmodel.py

Export determination: 6.

Rationale: CHG: pep8 formatting

Change #462 with diff file ISSM-23871-23872.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: moving enums around

Change #463 with diff file ISSM-23872-23873.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: moving enums around

Change #464 with diff file ISSM-23873-23874.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/morlighem/ronne A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interp

A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpBamber2013.m A /issm/trunk-

jpl/src/m/contrib/morlighem/ronne/interpBedmachineAntarctica.m A /issm/trunk-

jpl/src/m/contrib/morlighem/ronne/interpBedmachineGreenland.m A /issm/trunk-

jpl/src/m/contrib/morlighem/ronne/interpBedmap.m A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/int

A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpDhdt.m A /issm/trunk-

jpl/src/m/contrib/morlighem/ronne/interpFromGeotiff.m A /issm/trunk-jpl/src/m/contrib/morlighem/ronne

A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpGimpdem.m A /issm/trunk-

jpl/src/m/contrib/morlighem/ronne/interpGimpicemask.m A /issm/trunk-jpl/src/m/contrib/morlighem/ronn

A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpGridsCReSIS.m A /issm/trunk-

jpl/src/m/contrib/morlighem/ronne/interpGriggs2013.m A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/

A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpJakobsson2012.m A

/issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpJoughin.m A /issm/trunk-

jpl/src/m/contrib/morlighem/ronne/interpJoughinCompositeGreenland.m A /issm/trunk-

jpl/src/m/contrib/morlighem/ronne/interpJoughinMosaic.m A /issm/trunk-jpl/src/m/contrib/morlighem/ron

A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpMouginotAnt2017.m

A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpMouginotAntTimeSeries1973to2018.m

A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpPaolo2015.m A /issm/trunk-

jpl/src/m/contrib/morlighem/ronne/interpRACMO1km.m A /issm/trunk-jpl/src/m/contrib/morlighem/ronn

A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpREMA.m A /issm/trunk-

jpl/src/m/contrib/morlighem/ronne/interpRTopo2.m A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/inte

A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpRignotIceShelfMelt.m
A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpSeaRISE.m
Export determination: 6.
Rationale: NEW: added interpolation routines'

Change #465 with diff file ISSM-23874-23875.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/InterpFromGrid.cpp A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/Makefile
Export determination: 6.
Rationale: NEW: added InterpFromGrid too

Change #466 with diff file ISSM-23875-23876.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpBedmachineAntarctica.m
M /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpBedmachineGreenland.m
M /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpBedmap2.m A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpChuter2015.m A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpMouginotAnt2017.m A /issm/trunk-jpl/src/m/contrib/morlighem/ronne/interpMouginotAnt2019.m
Export determination: 6.
Rationale: CHG: some minor changes

Change #467 with diff file ISSM-23876-23877.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/morlighem/modeldata (from /issm/trunk-jpl/src/m/contrib/morlighem/ronne)
D /issm/trunk-jpl/src/m/contrib/morlighem/ronne
Export determination: 6.
Rationale: CHG: moving to new directory

Change #468 with diff file ISSM-23877-23878.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4002.m
Export determination: 6.
Rationale: CHG: build MITgcm from scratch each time

Change #469 with diff file ISSM-23878-23879.diff:

Function name:

A /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: NEW: new ice/ocean test with Dan's code

Change #470 with diff file ISSM-23879-23880.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4002.m

Export determination: 6.

Rationale: adding "!" in fron of "rm" because called from within matlab

Change #471 with diff file ISSM-23880-23881.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/shared/Numerics/constants.h

Export determination: 6.

Rationale: CHG: merge mass flux calculations

Change #472 with diff file ISSM-23881-23882.diff:

Function name:

A /issm/trunk-jpl/test/MITgcm/get_mitgcm_dngoldberg.sh A /issm/trunk-jpl/test/MITgcm/install_dngoldbe

M /issm/trunk-jpl/test/NightlyRun/test4002.m M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: adding instructions for downloading Dan Goldberg's branch_remeshing

MITgcm branch

Change #473 with diff file ISSM-23882-23883.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: added 2 Enums for computation of mass flux

Change #474 with diff file ISSM-23883-23884.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: removing some useless pointers

Change #475 with diff file ISSM-23884-23885.diff:

Function name:

A /issm/trunk-jpl/test/MITgcm/build_4003.sh M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: building and running MITgcm only experiment

Change #476 with diff file ISSM-23885-23886.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp

M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/modules/OutputDefinitionsResponseX

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: working on Massflux at ice front

Change #477 with diff file ISSM-23886-23887.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: CHG: starting to put ice part in test4003

Change #478 with diff file ISSM-23887-23888.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpBedmachineAntarctica.m

Export determination: 6.

Rationale: CHG: version (date) duplicated

Change #479 with diff file ISSM-23888-23889.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h

Export determination: 6.

Rationale: CHG: adding more requested output, ice front flux seems to be working, grounding line flux still fails

Change #480 with diff file ISSM-23889-23890.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/parseresultsfrombuffer.js M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk

M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py

Export determination: 6.

Rationale: CHG: output results in Gt/yr instead

Change #481 with diff file ISSM-23890-23891.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: CHG: working on Dan's test

Change #482 with diff file ISSM-23891-23892.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py

Export determination: 6.

Rationale: BUG: stupid mistake

Change #483 with diff file ISSM-23892-23893.diff:

Function name:

R /issm/trunk-jpl/test/MITgcm/build_4003.sh

Export determination: 6.

Rationale: making build_4003.sh executable

Change #484 with diff file ISSM-23893-23894.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: BUG: getting calving vonmises relative to sealevel

Change #485 with diff file ISSM-23894-23895.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/greenplanet.m

Export determination: 6.

Rationale: CHG: updating some commands in cluster/greenplanet.m

Change #486 with diff file ISSM-23895-23896.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/frictionschoof.m A /issm/trunk-jpl/src/m/classes/frictiontsai.m

Export determination: 6.

Rationale: CHG: added Victor Tsai's friction law

Change #487 with diff file ISSM-23896-23897.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/frictionschoof.m

Export determination: 6.

Rationale: CHG: minor

Change #488 with diff file ISSM-23897-23898.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-

jpl/src/c/classes/Loads/Friction.cpp M /issm/trunk-jpl/src/c/classes/Loads/Friction.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/frictiontsai.m

Export determination: 6.

Rationale: NEW: added Tsai's friction law

Change #489 with diff file ISSM-23898-23899.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: CHG: changing ice part of the test

Change #490 with diff file ISSM-23899-23900.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: CHG: finished ice only part of the test

Change #491 with diff file ISSM-23900-23901.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp

M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp

Export determination: 6.

Rationale: CHG: added mass flux at the ice front vs where the levelset hits 0

Change #492 with diff file ISSM-23901-23902.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBgemb.m M /issm/trunk-jpl/src/m/classes/SMBgemb.py

Export determination: 6.

Rationale: CHG: minor, display details

Change #493 with diff file ISSM-23902-23903.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBgemb.m M /issm/trunk-jpl/src/m/classes/SMBgemb.py

Export determination: 6.

Rationale: CHG: minor, display details

Change #494 with diff file ISSM-23903-23904.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: BUG: constraints for field extrusion should be update is at least one
NODE is on base, not an entire edge

Change #495 with diff file ISSM-23904-23905.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: BUG: fixed extrusion from surface

Change #496 with diff file ISSM-23905-23906.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/main/EnvironmentFinalize.cpp

Export determination: 6.

Rationale: CHG: stop printing closing MPI and PETSc all the time

Change #497 with diff file ISSM-23906-23907.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRate

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M

/issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStrin

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/basalforcingsisn

M /issm/trunk-jpl/test/NightlyRun/test472.m

Export determination: 6.

Rationale: NEW: Implemented local version of ISMIP6 melt rate parameteri-
zation

Change #498 with diff file ISSM-23907-23908.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp

Export determination: 6.

Rationale: BUG: pressure nodes start now at iomodel-¿numberofvertices+iomodel-¿numberofedges+iomodel-¿numberofverticalfaces

Change #499 with diff file ISSM-23908-23909.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: minor

Change #500 with diff file ISSM-23909-23910.diff:

Function name:

M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_schurcg.cpp

Export determination: 6.

Rationale: CHG: Expanded user flexibility and verbose capabilities of the SchurCG solver

Change #501 with diff file ISSM-23910-23911.diff:

Function name:

M /issm/trunk-jpl/src/m/solvers/stokesoptions.m M /issm/trunk-jpl/src/m/solvers/stokesoptions.py

Export determination: 6.

Rationale: CHG: Adjusted stokesoptions for appropriate use in combination with SchurCG

Change #502 with diff file ISSM-23911-23912.diff:

Function name:

M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_schurcg.cpp

Export determination: 6.

Rationale: BUG: temporary commit

Change #503 with diff file ISSM-23912-23913.diff:

Function name:
M /issm/trunk-jpl/src/m/plot/processdata.m
Export determination: 6.
Rationale: CHG: fix problem with sparse data

Change #504 with diff file ISSM-23913-23914.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp
Export determination: 6.
Rationale: CHG: duplicated code

Change #505 with diff file ISSM-23914-23915.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp
Export determination: 6.
Rationale: BUG: fixed grounded melt on fully grounded elements when FullMelt-Param is defined

Change #506 with diff file ISSM-23919-23920.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test507.m M /issm/trunk-jpl/test/NightlyRun/test507.py
Export determination: 6.
Rationale: CHG: Eased field tolerances.

Change #507 with diff file ISSM-23920-23921.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/applyoptions.py M /issm/trunk-jpl/src/m/plot/colormaps/cmmaptools.py
A /issm/trunk-jpl/src/m/plot/colormaps/demmap.py A /issm/trunk-jpl/src/m/plot/colormaps/ibcao.py
A /issm/trunk-jpl/src/m/plot/colormaps/landcolor.py A /issm/trunk-jpl/src/m/plot/colormaps/seacolor.py
M /issm/trunk-jpl/src/m/plot/plot_unit.py
Export determination: 6.
Rationale: NEW: added colormap support to python plotmodel(), all matplotlib colormaps, Rignot, and demmap(); default is viridis

Change #508 with diff file ISSM-23921-23922.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/parseresultsfrombuffer.js M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk

M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py

Export determination: 6.

Rationale: CHG: IcefrontMassFluxLevelset in Gt/year'

Change #509 with diff file ISSM-23922-23923.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: icefront flux should be 0 if out

Change #510 with diff file ISSM-23923-23924.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: BUG: fixed IcefrontMassFluxLevelset

Change #511 with diff file ISSM-23924-23925.diff:

Function name:

M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_schurcg.cpp

Export determination: 6.

Rationale: BUG: need to check for petsc version > 7

Change #512 with diff file ISSM-23925-23926.diff:

Function name:

M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_schurcg.cpp

Export determination: 6.

Rationale: CHG: fixing warnings with new version of PETSc

Change #513 with diff file ISSM-23926-23927.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Nodes.cpp
M /issm/trunk-jpl/src/c/classes/Nodes.h

Export determination: 6.

Rationale: CHG: moving stuff to nodes, and added method to check dof consistency across partitions

Change #514 with diff file ISSM-23935-23936.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/hydrologyglads.m M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.m
M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.m M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.py

Export determination: 6.

Rationale: CHG: added empty shell for GLaDS

Change #515 with diff file ISSM-23936-23937.diff:

Function name:

M /issm/trunk-jpl/m4/analyses.m4 M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp
A /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.h M /issm/trunk-jpl/src/c/analyses/analyses.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/c/shared/io/Marshalling/1 M /issm/trunk-jpl/src/m/classes/hydrologyglads.m M /issm/trunk-jpl/src/m/classes/hydrologyshakti.m

Export determination: 6.

Rationale: NEW: added empty shell for GlaDS

Change #516 with diff file ISSM-23937-23938.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/hydrologyglads.m

Export determination: 6.

Rationale: CHG: working on GlaDS

Change #517 with diff file ISSM-23938-23939.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: Added line to clean up ADOL-C tape files from execution/.

Change #518 with diff file ISSM-23939-23940.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: Clean up execution directory after running tests.

Change #519 with diff file ISSM-23940-23941.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: Clean up execution directory after running tests (missing -r).

Change #520 with diff file ISSM-23941-23942.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShaktiAnalysis.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp

Export determination: 6.

Rationale: CHG: worked on RHS and K of GlaDS

Change #521 with diff file ISSM-23942-23943.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.h

Export determination: 6.

Rationale: NEW: added sheet thickness evolution

Change #522 with diff file ISSM-23943-23944.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: minor

Change #523 with diff file ISSM-23944-23945.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/initialization.m

Export determination: 6.

Rationale: CHG: added hydraulic potential

Change #524 with diff file ISSM-23945-23946.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp

Export determination: 6.

Rationale: CHG: added initial phi and h

Change #525 with diff file ISSM-23946-23947.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp

A /issm/trunk-jpl/src/c/classes/Loads/Channel.h M /issm/trunk-jpl/src/c/classes/classes.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: NEW: adding new class for GlaDS

Change #526 with diff file ISSM-23947-23948.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: BUG: GlaDS hydrology model enums

Change #527 with diff file ISSM-23948-23949.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp

Export determination: 6.

Rationale: BUG: minor fixes

Change #528 with diff file ISSM-23949-23950.diff:

Function name:

M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim

Export determination: 6.

Rationale: CHG: updating enum highlighting

Change #529 with diff file ISSM-23950-23951.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.h M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp

Export determination: 6.

Rationale: CHG: changed the way effective pressure is being updated

Change #530 with diff file ISSM-23951-23952.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp

Export determination: 6.

Rationale: CHG: added transient term

Change #531 with diff file ISSM-23952-23953.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp

Export determination: 6.

Rationale: BUG: input/parameter updates for GlaDS

Change #532 with diff file ISSM-23953-23954.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/hydrologyglads.m
Export determination: 6.
Rationale: CHG: minor changes

Change #533 with diff file ISSM-23954-23955.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp
Export determination: 6.
Rationale: CHG: fixed leak and sheet thickness

Change #534 with diff file ISSM-23955-23956.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/hydrologyglads.m
Export determination: 6.
Rationale: CHG: fixed spc

Change #535 with diff file ISSM-23956-23957.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: No need to clean up execution directory when exiting from MATLAB (mistook for exit from bash).

Change #536 with diff file ISSM-23957-23958.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp
Export determination: 6.
Rationale: CHG: sorting Enums

Change #537 with diff file ISSM-23958-23959.diff:
Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp
Export determination: 6.
Rationale: CHG: minor

Change #538 with diff file ISSM-23959-23960.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShaktiAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Loads/Friction.h
M /issm/trunk-jpl/src/c/classes/Loads/Moulin.cpp M /issm/trunk-jpl/src/c/classes/Loads/Moulin.h
M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.cpp M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.h
M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.h
M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.h
M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp M /issm/trunk-jpl/src/c/classes/Loads/Penpair.h
M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.h

Export determination: 6.

Rationale: CHG: simplifying loads: no need to provide analysis to load, since they are now in individual datasets

Change #539 with diff file ISSM-23960-23961.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Channel.h
M /issm/trunk-jpl/src/c/classes/Loads/Moulin.cpp

Export determination: 6.

Rationale: CHG: working on channels

Change #540 with diff file ISSM-23961-23962.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp

Export determination: 6.

Rationale: CHG: in non linear iteration, do not refer to N but use its linearization on phi

Change #541 with diff file ISSM-23962-23963.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.h

M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Channel.h

Export determination: 6.

Rationale: CHG: working on channels

Change #542 with diff file ISSM-23963-23964.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp

Export determination: 6.

Rationale: CHG: working on channels

Change #543 with diff file ISSM-23964-23965.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp

Export determination: 6.

Rationale: CHG: finished RHS

Change #544 with diff file ISSM-23965-23966.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-

jpl/src/c/analyses/HydrologyGlaDSAnalysis.h M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp

M /issm/trunk-jpl/src/c/classes/Loads/Channel.h M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp

Export determination: 6.

Rationale: CHG: working on channels

Change #545 with diff file ISSM-23966-23967.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/GLheightadvectionAnalysis.cpp

Export determination: 6.

Rationale: CHG: added alternative to GL advection: streamline diffusion

Change #546 with diff file ISSM-23967-23968.diff:

Function name:

A /issm/trunk-jpl/src/m/shp/projectedges.m

Export determination: 6.

Rationale: CHG: project shp edges.

Change #547 with diff file ISSM-23968-23969.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp

Export determination: 6.

Rationale: CHG: added moulins

Change #548 with diff file ISSM-23969-23970.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/hydrologyglads.m

Export determination: 6.

Rationale: CHG: added neumann flux for hydro model

Change #549 with diff file ISSM-23970-23971.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.cpp M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.h

Export determination: 6.

Rationale: CHG: adding Neumann flux to GlaDS

Change #550 with diff file ISSM-23971-23972.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Moulin.cpp

M /issm/trunk-jpl/src/c/classes/Loads/Moulin.h

Export determination: 6.

Rationale: CHG: fixed a few things

Change #551 with diff file ISSM-23972-23973.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShaktiAnalysis.cpp

Export determination: 6.

Rationale: BUG: fixed memory leak

Change #552 with diff file ISSM-23973-23974.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp

M /issm/trunk-jpl/src/c/classes/Loads/Channel.h M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp

M /issm/trunk-jpl/src/m/classes/hydrologyglads.m

Export determination: 6.

Rationale: CHG: added channels as potential output

Change #553 with diff file ISSM-23974-23975.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: CHG: fixed bug in channel numbering

Change #554 with diff file ISSM-23975-23976.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_transient_movie.m

Export determination: 6.

Rationale: CHG: improved title formatting

Change #555 with diff file ISSM-23976-23977.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive355.arch A /issm/trunk-jpl/test/NightlyRun/test355.m

Export determination: 6.
Rationale: NEW: added test to check GlaDS

Change #556 with diff file ISSM-23977-23978.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp
Export determination: 6.
Rationale: BUG: fixed a few things...

Change #557 with diff file ISSM-23978-23979.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive355.arch M /issm/trunk-jpl/test/NightlyRun/test125.m
M /issm/trunk-jpl/test/NightlyRun/test275.m M /issm/trunk-jpl/test/NightlyRun/test308.m
M /issm/trunk-jpl/test/NightlyRun/test355.m M /issm/trunk-jpl/test/NightlyRun/test4001.m
M /issm/trunk-jpl/test/NightlyRun/test601.m M /issm/trunk-jpl/test/NightlyRun/test701.m
M /issm/trunk-jpl/test/NightlyRun/test702.m
Export determination: 6.
Rationale: CHG: updated NR test

Change #558 with diff file ISSM-23979-23980.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test125.m M /issm/trunk-jpl/test/NightlyRun/test275.m
M /issm/trunk-jpl/test/NightlyRun/test308.m M /issm/trunk-jpl/test/NightlyRun/test4001.m
M /issm/trunk-jpl/test/NightlyRun/test601.m M /issm/trunk-jpl/test/NightlyRun/test701.m
M /issm/trunk-jpl/test/NightlyRun/test702.m
Export determination: 6.
Rationale: CHG: reverting commit

Change #559 with diff file ISSM-23980-23981.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Node.cpp
Export determination: 6.
Rationale: CHG: classes/Node.cpp 2d solution GLheight

Change #560 with diff file ISSM-23981-23982.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/mesh3dprisms.m
Export determination: 6.
Rationale: CHG: added md.mesh.vertexonboundary in marshall

Change #561 with diff file ISSM-23982-23983.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRatex/FloatingiceMeltingRatex.cpp
Export determination: 6.
Rationale: CHG: cosmetics

Change #562 with diff file ISSM-23983-23984.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp
Export determination: 6.
Rationale: BUG: typo semicolon in making S positive definite

Change #563 with diff file ISSM-23984-23985.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model.m
Export determination: 6.
Rationale: CHG: no need to update isclimatology for classes that don't have it

Change #564 with diff file ISSM-23985-23986.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/m/classes/masstransport.m
Export determination: 6.
Rationale: NEW: added Streamline Upwind Petrov-Galerkin stabilization for Ice Thickness advection

Change #565 with diff file ISSM-23986-23987.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive355.arch M /issm/trunk-jpl/test/NightlyRun/test355.m

Export determination: 6.

Rationale: CHG: fixed channel area

Change #566 with diff file ISSM-23987-23988.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: make sure SID is mentioned

Change #567 with diff file ISSM-23988-23989.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: NEW: working on coupling test4003

Change #568 with diff file ISSM-23989-23990.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: attempting to run coupled MITgcm/ISSM (step 11) crashes on initialization

Change #569 with diff file ISSM-23990-23991.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h

Export determination: 6.

Rationale: CHG: added IsGrounded method

Change #570 with diff file ISSM-23991-23992.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
Export determination: 6.
Rationale: CHG: added TotalCalvingFlux, TotalCalvingFluxLevelset

Change #571 with diff file ISSM-23992-23993.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
A /issm/trunk-jpl/src/c/modules/KillIcebergsx A /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIcebergsx.cpp
A /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIcebergsx.h M /issm/trunk-jpl/src/c/modules/modules.h
Export determination: 6.
Rationale: NEW: added Kill ice berg module (not debugged yet)

Change #572 with diff file ISSM-23993-23994.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
Export determination: 6.
Rationale: BUG: removed TotalCalvingFlux

Change #573 with diff file ISSM-23994-23995.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
Export determination: 6.
Rationale: BUG: removed TotalCalvingFlux

Change #574 with diff file ISSM-23995-23996.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIcebergsx.cpp
Export determination: 6.

Rationale: CHG: speed up:

Change #575 with diff file ISSM-23996-23997.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIcebergsx.cpp

Export determination: 6.

Rationale: CHG: some improvements

Change #576 with diff file ISSM-23997-23998.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIcebergsx.cpp

Export determination: 6.

Rationale: CHG: added more code, still needs to be tested

Change #577 with diff file ISSM-23998-23999.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Inputs/BoolInput.h M /issm/trunk-jpl/src/c/classes/Inputs/ControlInput.h

M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.h M /issm/trunk-jpl/src/c/classes/Inputs/DoubleArray

M /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput.h M /issm/trunk-jpl/src/c/classes/Inputs/Input.h

M /issm/trunk-jpl/src/c/classes/Inputs/IntInput.h M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.h

M /issm/trunk-jpl/src/c/classes/Inputs/SegInput.h M /issm/trunk-jpl/src/c/classes/Inputs/TetraInput.cpp

M /issm/trunk-jpl/src/c/classes/Inputs/TetraInput.h M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.

M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.h

Export determination: 6.

Rationale: CHG: removed Set method for inputs, not used

Change #578 with diff file ISSM-23999-24000.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/c/shared/Matrix/MatrixU

Export determination: 6.

Rationale: CHG: added 2 new output

Change #579 with diff file ISSM-24000-24001.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp

Export determination: 6.

Rationale: CHG: working on SUPG for ice thickness. Fixed a bug, added another part of the formulation

Change #580 with diff file ISSM-24001-24002.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/basin.m A /issm/trunk-jpl/src/m/classes/boundary.m

Export determination: 6.

Rationale: CHG: trying to systematize the way we handle a global 3D model of the Earth, in particular how do we mesh it?

Change #581 with diff file ISSM-24002-24003.diff:

Function name:

M /issm/trunk-jpl/src/dox/issm.dox

Export determination: 6.

Rationale: CHG: minor

Change #582 with diff file ISSM-24003-24004.diff:

Function name:

A /issm/trunk-jpl/externalpackages/cmake/configs A /issm/trunk-jpl/externalpackages/cmake/configs/MacOS

A /issm/trunk-jpl/externalpackages/cmake/configs/MacOS/High_Sierra A /issm/trunk-

jpl/externalpackages/cmake/configs/MacOS/High_Sierra/Utilities A /issm/trunk-

jpl/externalpackages/cmake/configs/MacOS/High_Sierra/Utilities/cmcurl A /issm/trunk-

jpl/externalpackages/cmake/configs/MacOS/High_Sierra/Utilities/cmcurl/CMakeLists.txt.patch

A /issm/trunk-jpl/externalpackages/cmake/install-macosx64-highsierra.sh

Export determination: 6.

Rationale: ADD: Patch file and new config for SSL/TLS issues under on MacOS with newer GNU compiler chain.

Change #583 with diff file ISSM-24004-24005.diff:

Function name:

M /issm/trunk-jpl/externalpackages/cmake/install-macosx64-highsierra.sh

Export determination: 6.

Rationale: BUG: Cmake does not have src directory: fixed application of patch.

Change #584 with diff file ISSM-24005-24006.diff:

Function name:

A /issm/trunk-jpl/externalpackages/cmake/configs/MacOS/High_Sierra/Source

A /issm/trunk-jpl/externalpackages/cmake/configs/MacOS/High_Sierra/Source/CPack

A /issm/trunk-jpl/externalpackages/cmake/configs/MacOS/High_Sierra/Source/CPack/cmCPackDragNDrop

M /issm/trunk-jpl/externalpackages/cmake/configs/MacOS/High_Sierra/Utilities/cmcurl/CMakeLists.txt.pat

M /issm/trunk-jpl/externalpackages/cmake/install-macosx64-highsierra.sh

Export determination: 6.

Rationale: BUG: Should have been two patch files.

Change #585 with diff file ISSM-24006-24007.diff:

Function name:

M /issm/trunk-jpl/externalpackages/cmake/install-macosx64-highsierra.sh

Export determination: 6.

Rationale: CHG: Attempting to use latest version of Cmake specifically geared towards MacOS.

Change #586 with diff file ISSM-24007-24008.diff:

Function name:

M /issm/trunk-jpl/externalpackages/cmake/install-macosx64-highsierra.sh

Export determination: 6.

Rationale: CHG: Cmake tarball is determined to unpack to dir containing string Darwin-x86_64.

Change #587 with diff file ISSM-24008-24009.diff:

Function name:

M /issm/trunk-jpl/externalpackages/cmake/install-macosx64-highsierra.sh

Export determination: 6.

Rationale: CHG: Typo.

Change #588 with diff file ISSM-24009-24010.diff:

Function name:

M /issm/trunk-jpl/externalpackages/cmake/install-macosx64-highsierra.sh

Export determination: 6.

Rationale: CHG: Modified to use latest version of Cmake.

Change #589 with diff file ISSM-24010-24011.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/GLheightadvectionAnalysis.cpp M /issm/trunk-

jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h

M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Seg.h

M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRateP

M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRatex/FloatingiceMeltingRatex.cpp

M /issm/trunk-jpl/src/m/classes/basalforcingsismip6.m M /issm/trunk-jpl/src/m/classes/basalforcingspico.m

Export determination: 6.

Rationale: NEW: ISMIP6 and PICO basal melting parameterizations working
in HO, PICOP coming soon

Change #590 with diff file ISSM-24011-24012.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/ToolkitOptions.cpp M /issm/trunk-jpl/src/c/toolkits/ToolkitOptions.h

M /issm/trunk-jpl/src/wrappers/BamgMesher/BamgMesher.h M /issm/trunk-
jpl/src/wrappers/matlab/include/wrapper_macros.h

Export determination: 6.

Rationale: CHG: trying to fix Winnie's bug (Toolkits symbol not found)

Change #591 with diff file ISSM-24012-24013.diff:

Function name:

M /issm/trunk-jpl/scripts/automakererun.sh

Export determination: 6.

Rationale: CHG: Added f flag to call to autoreconf; updated documentation

Change #592 with diff file ISSM-24013-24014.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: BUG: Attempting to correct Windows issue with non-constants.

Change #593 with diff file ISSM-24014-24015.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: BUG: Changed all array of IssmDouble initializations from IssmDouble jname_i[NUM_VERTICES] to IssmDouble* jname_i = xNewIssmDouble_i(NUM_VERTICES)

Change #594 with diff file ISSM-24015-24016.diff:
Function name:
A /issm/trunk-jpl/test/Archives/Archive473.arch A /issm/trunk-jpl/test/Archives/Archive474.arch
A /issm/trunk-jpl/test/Archives/Archive475.arch A /issm/trunk-jpl/test/NightlyRun/test473.m
A /issm/trunk-jpl/test/NightlyRun/test474.m A /issm/trunk-jpl/test/NightlyRun/test475.m
Export determination: 6.
Rationale: NEW: added tests to check HO versions of ISMIP6, PICO, and PICOP melt rates

Change #595 with diff file ISSM-24016-24017.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/GeothermalFluxx/GeothermalFluxx.cpp M /issm/trunk-jpl/test/NightlyRun/test475.m
Export determination: 6.
Rationale: CHG: Update geothermalflux module to support ISMIP6, PICO, and PICOP melt parameterizations in HO, also update test475

Change #596 with diff file ISSM-24017-24018.diff:
Function name:
D /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/Synchronize.sh M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim M /issm/trunk-jpl/src/c/shared/Enum/Synchronize.sh
Export determination: 6.
Rationale: CHG: better way of dealing with vim syntax highlighting

Change #597 with diff file ISSM-24018-24019.diff:

Function name:

A /issm/trunk-jpl/src/c/shared/Enum/Enum.vim

Export determination: 6.

Rationale: CHG: better way of dealing with vim syntax highlighting

Change #598 with diff file ISSM-24019-24020.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum

Export determination: 6.

Rationale: CHG: added BasalStress as Enums for requested output

Change #599 with diff file ISSM-24020-24021.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Seg.h

M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

Export determination: 6.

Rationale: CHG: working on basal stress

Change #600 with diff file ISSM-24021-24022.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: CHG: do not load TF in ISMIP6 forcing if element is not on base to limit RAM requirements

Change #601 with diff file ISSM-24022-24023.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRatex/FloatingiceMeltingRatex.cpp
Export determination: 6.
Rationale: CHG: do not load TF in ISMIP6 forcing if element is not on base to
limit RAM requirements

Change #602 with diff file ISSM-24023-24024.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/cores/bmb_core.cpp

M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRatex/FloatingiceMeltingRatex.cpp

Export determination: 6.

Rationale: CHG: fixing some memory leaks and extrude melt rate

Change #603 with diff file ISSM-24024-24025.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp

Export determination: 6.

Rationale: CHG: fixed PICO in 2d

Change #604 with diff file ISSM-24025-24026.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test460.m M /issm/trunk-jpl/test/NightlyRun/test460.py

Export determination: 6.

Rationale: CHG: Eased field tolerances

Change #605 with diff file ISSM-24026-24027.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive473.arch

Export determination: 6.

Rationale: CHG: Update ISMIP6 melt parameterization (HO) archive, new way
of marshalling thermal forcing field

Change #606 with diff file ISSM-24027-24028.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/ExpToLevelSet/ExpToLevelSet.cpp M /issm/trunk-jpl/src/wrappers/python/Makefile.am
Export determination: 6.
Rationale: CHG: added ExpToLevelSet to list of compiled python modules

Change #607 with diff file ISSM-24028-24029.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/applyoptions.m M /issm/trunk-jpl/src/m/plot/plot_elementnumbering.m

Export determination: 6.

Rationale: CHG: if axis option is provided, use it in elementnumbering so that it does not take AGES, and stop using eval in applyoptions

Change #608 with diff file ISSM-24029-24030.diff:

Function name:

M /issm/trunk-jpl/src/m/exp/contourlevelzero.m

Export determination: 6.

Rationale: CHG: added support for 3d meshes

Change #609 with diff file ISSM-24030-24031.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/IOModel.cpp M /issm/trunk-jpl/src/c/shared/Exp/exp.h

Export determination: 6.

Rationale: CHG: a better way to reset deactivated hydro nodes

Change #610 with diff file ISSM-24031-24032.diff:

Function name:

A /issm/trunk-jpl/src/m/exp/flowlines.py

Export determination: 6.

Rationale: NEW: adding flowlines.py

Change #611 with diff file ISSM-24032-24033.diff:

Function name:
M /issm/trunk-jpl/src/m/exp/flowlines.py
Export determination: 6.
Rationale: BUG: minor fix

Change #612 with diff file ISSM-24033-24034.diff:
Function name:
D /issm/trunk-jpl/externalpackages/pcatool/pcatool.tar.gz
Export determination: 6.
Rationale: CHG: not needed

Change #613 with diff file ISSM-24034-24035.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIcebergsx.cpp
Export determination: 6.
Rationale: BUG: some bug fixes in kill bergs, still not working well

Change #614 with diff file ISSM-24035-24036.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h
Export determination: 6.
Rationale: NEW: split vector syncing with clones

Change #615 with diff file ISSM-24036-24037.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/movingfront_core.cpp M /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIcebergsx.cpp
Export determination: 6.
Rationale: CHG: first implementation of kill berg, seems to be workingmod-
ules/KillIcebergsx/KillIcebergsx.cpp

Change #616 with diff file ISSM-24037-24038.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIcebergsx.cpp

Export determination: 6.
Rationale: CHG: kill verbosing

Change #617 with diff file ISSM-24038-24039.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/movingfront_core.cpp
Export determination: 6.
Rationale: CHG: turn off by default

Change #618 with diff file ISSM-24039-24040.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/levelset.js M /issm/trunk-jpl/src/m/classes/levelset.m
M /issm/trunk-jpl/src/m/classes/levelset.py
Export determination: 6.
Rationale: CHG: adding new field to levelset

Change #619 with diff file ISSM-24040-24041.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/cores/movingfront_core.cpp
M /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIcebergsx.cpp M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp
Export determination: 6.
Rationale: CHG: added kill iceberg option

Change #620 with diff file ISSM-24041-24042.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIcebergsx.cpp
Export determination: 6.
Rationale: CHG: cleanup

Change #621 with diff file ISSM-24042-24043.diff:
Function name:

M /issm/trunk-jpl/src/m/classes/levelset.m
Export determination: 6.
Rationale: CHG: kill_iceberg needs to be an int

Change #622 with diff file ISSM-24043-24044.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test806.m M /issm/trunk-jpl/test/NightlyRun/test806.py
M /issm/trunk-jpl/test/NightlyRun/test807.m M /issm/trunk-jpl/test/NightlyRun/test807.py
M /issm/trunk-jpl/test/NightlyRun/test808.m M /issm/trunk-jpl/test/NightlyRun/test808.py
Export determination: 6.

Rationale: CHG: deactivate kill berg since we only have one ice shelf w/o
grounded part

Change #623 with diff file ISSM-24044-24045.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/basalforcingsism
M /issm/trunk-jpl/test/Archives/Archive472.arch M /issm/trunk-jpl/test/NightlyRun/test472.m
Export determination: 6.

Rationale: NEW: added anomaly to ISMIP6 forcing

Change #624 with diff file ISSM-24045-24046.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRatex/FloatingIceMeltingRatex.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp
Export determination: 6.

Rationale: CHG: typo Ismp6 -> Ismip6

Change #625 with diff file ISSM-24046-24047.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test472.m M /issm/trunk-jpl/test/NightlyRun/test473.m

Export determination: 6.

Rationale: FIX: typos Ismip6

Change #626 with diff file ISSM-24047-24048.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h

M /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIcebergsx.cpp

Export determination: 6.

Rationale: CHG: fixing ice bergs

Change #627 with diff file ISSM-24048-24049.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h

M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp

Export determination: 6.

Rationale: CHG: added CalvingFluxLevelset

Change #628 with diff file ISSM-24049-24050.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h

M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp

Export determination: 6.

Rationale: CHG: added CalvingMeltingFluxLevelset, TotalCalvingMeltingFluxLevelset

Change #629 with diff file ISSM-24050-24051.diff:

Function name:

M /issm/trunk-jpl/externalpackages/nco/install.sh
Export determination: 6.
Rationale: FIX: nco doc does not compile, configure without documentation

Change #630 with diff file ISSM-24051-24052.diff:
Function name:
M /issm/trunk-jpl/externalpackages/boost/install-1.55-macosx-yosemite.sh
Export determination: 6.
Rationale: CHG: remove python from yosemite download call

Change #631 with diff file ISSM-24052-24053.diff:
Function name:
M /issm/trunk-jpl/externalpackages/petsc/install-3.7-greenplanet.sh
Export determination: 6.
Rationale: CHG: change to new versions of MPI and intel compiler

Change #632 with diff file ISSM-24053-24054.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/ExternalResults/GenericExternalResult.h M /issm/trunk-jpl/src/c/classes/Loads/Moulin.cpp M /issm/trunk-jpl/src/c/classes/Loads/Moulin.h
Export determination: 6.
Rationale: CHG: added moulting relaxation

Change #633 with diff file ISSM-24054-24055.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Channel.h
Export determination: 6.
Rationale: CHG: trying to convert to PDouble

Change #634 with diff file ISSM-24055-24056.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/shared/Numerics/ODE1.cpp

M /issm/trunk-jpl/src/c/shared/Numerics/numerics.h
Export determination: 6.
Rationale: CHG: added ODE solver for 1st degree ODE

Change #635 with diff file ISSM-24056-24057.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Numerics/ODE1.cpp
Export determination: 6.
Rationale: CHG: minor

Change #636 with diff file ISSM-24057-24058.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp
Export determination: 6.
Rationale: CHG: use alpha and beta in thickness update and channel area update

Change #637 with diff file ISSM-24058-24059.diff:
Function name:
M /issm/trunk-jpl/src/m/parameterization/setflowequation.m M /issm/trunk-jpl/src/m/parameterization/setflowequation.py
Export determination: 6.
Rationale: FIX: no need to remove vertex pairing if no coupling requested

Change #638 with diff file ISSM-24059-24060.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ElementsAndVerticesPartitioning.cpp
Export determination: 6.
Rationale: BUG: penalties were not accounted for, still not working but getting there

Change #639 with diff file ISSM-24060-24061.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp A /issm/trunk-jpl/src/c/shared/Elements/NyeCO2.c
A /issm/trunk-jpl/src/c/shared/Elements/NyeH2O.cpp M /issm/trunk-jpl/src/c/shared/Elements/elements.h
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringTo
M /issm/trunk-jpl/src/m/classes/materials.m M /issm/trunk-jpl/src/m/classes/matice.m
A /issm/trunk-jpl/src/m/materials/nye.m

Export determination: 6.

Rationale: NEW: add nye capability for Mars modeling

Change #640 with diff file ISSM-24061-24062.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-
jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringTo
M /issm/trunk-jpl/src/m/classes/hydrologyglads.m

Export determination: 6.

Rationale: NEW: GlaDS option for user-defined basal melt rate (md.basalforcings.groundedice_melting_rate)

Change #641 with diff file ISSM-24062-24063.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/hydrologyglads.m

Export determination: 6.

Rationale: CHG: default should be 0 not false

Change #642 with diff file ISSM-24063-24064.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp

Export determination: 6.

Rationale: CHG: do not use effective pressure in thickness update, recompute it instead, and use implicit scheme for sheet thickness update

Change #643 with diff file ISSM-24064-24065.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Channel.h

Export determination: 6.

Rationale: CHG: do not grow channels on boundary

Change #644 with diff file ISSM-24065-24066.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive355.arch

Export determination: 6.

Rationale: CHG: updated archive

Change #645 with diff file ISSM-24066-24067.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElem

Export determination: 6.

Rationale: BUG: do not look for penalties in AMR runs

Change #646 with diff file ISSM-24067-24068.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/manualcb.m

Export determination: 6.

Rationale: CHG: preserve figure visibility

Change #647 with diff file ISSM-24068-24069.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/morlighem/ismip6 A /issm/trunk-jpl/src/m/contrib/morlighem/ismip6/date

A /issm/trunk-jpl/src/m/contrib/morlighem/ismip6/decyear2date.m

Export determination: 6.

Rationale: NEW: added handy routines for time conversions

Change #648 with diff file ISSM-24069-24070.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-

jpl/src/c/classes/Loads/Channel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Moulin.cpp
Export determination: 6.
Rationale: CHG: closer to Elmer's implementation of GlaDS

Change #649 with diff file ISSM-24070-24071.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Channel.h
Export determination: 6.
Rationale: BUG: bad calculation of tx and ty

Change #650 with diff file ISSM-24071-24072.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive355.arch
Export determination: 6.
Rationale: BUG: new archive now that channels are fixed

Change #651 with diff file ISSM-24072-24073.diff:
Function name:
M /issm/trunk-jpl/src/m/materials/nye.m
Export determination: 6.
Rationale: BUG: improved poorly coded law

Change #652 with diff file ISSM-24073-24074.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Elements/NyeCO2.cpp M /issm/trunk-jpl/src/c/shared/Elements/NyeH2O.c
Export determination: 6.
Rationale: BUG: improved poorly coded law

Change #653 with diff file ISSM-24074-24075.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test355.m
Export determination: 6.
Rationale: CHG: Eased field tolerances.

Change #654 with diff file ISSM-24075-24076.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test355.m

Export determination: 6.

Rationale: CHG: Eased field tolerances.

Change #655 with diff file ISSM-24076-24077.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test355.m

Export determination: 6.

Rationale: CHG: Eased field tolerances.

Change #656 with diff file ISSM-24077-24078.diff:

Function name:

M /issm/trunk-jpl/src/m/materials/nye.m A /issm/trunk-jpl/src/m/materials/nye.py

Export determination: 6.

Rationale: CHG: add python nye and minor edits to nye.m

Change #657 with diff file ISSM-24078-24079.diff:

Function name:

A /issm/trunk-jpl/src/m/plot/colormaps/paraview.m

Export determination: 6.

Rationale: NEW: added paraview colormap

Change #658 with diff file ISSM-24079-24080.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/colormaps/paraview.m A /issm/trunk-jpl/src/m/plot/plotchannels.m

Export determination: 6.

Rationale: NEW: added plotchannels.m for GlaDS

Change #659 with diff file ISSM-24080-24081.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.h M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
M /issm/trunk-jpl/src/c/solutionsequences/convergence.cpp A /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_shakti_nonlinear.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence.h

Export determination: 6.

Rationale: NEW: improved GlaDS solution sequence to be consistent with Elmer

Change #660 with diff file ISSM-24081-24082.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive355.arch

Export determination: 6.

Rationale: CHG: updated archive

Change #661 with diff file ISSM-24082-24083.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ParseToolkitsOptionsx/ParseToolkitsOptionsx.cpp
M /issm/trunk-jpl/src/c/modules/Solverx/Solverx.cpp M /issm/trunk-jpl/src/c/modules/Solverx/Solverx.h
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
M /issm/trunk-jpl/src/c/solutionsequences/convergence.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence.h
M /issm/trunk-jpl/src/m/classes/toolkits.js M /issm/trunk-jpl/src/m/classes/toolkits.m
M /issm/trunk-jpl/src/m/classes/toolkits.py

Export determination: 6.

Rationale: NEW: added md.toolkits.RecoveryAnalysis, which is a recovery mode when default solver fails

Change #662 with diff file ISSM-24083-24084.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/Solverx/Solverx.cpp

Export determination: 6.

Rationale: CHG: taking care of case when $\text{F} = 0$

Change #663 with diff file ISSM-24084-24085.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test205.js M /issm/trunk-jpl/test/NightlyRun/test205.m

M /issm/trunk-jpl/test/NightlyRun/test205.py

Export determination: 6.

Rationale: CHG: lower solver residue threshold if penalties are on

Change #664 with diff file ISSM-24085-24086.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh

Export determination: 6.

Rationale: CHG: Modified *append/*prepend functions to deal with case where environment variable is empty.

Change #665 with diff file ISSM-24086-24087.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/Solverx/Solverx.cpp

Export determination: 6.

Rationale: BUG: for AD

Change #666 with diff file ISSM-24087-24088.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test405.m M /issm/trunk-jpl/test/NightlyRun/test405.py

Export determination: 6.

Rationale: CHG: lower solver residue for penalty model

Change #667 with diff file ISSM-24088-24089.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp M /issm/trunk-jpl/src/c/classes/Loads/Numericalf

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp M /issm/trunk-

jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
Export determination: 6.
Rationale: CHG: improved numerical flux calculation and working on adding
P0DG

Change #668 with diff file ISSM-24089-24090.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Moulin.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Moulin.h M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.h M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.cpp
Export determination: 6.

Rationale: CHG: working on P0DG

Change #669 with diff file ISSM-24090-24091.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp

Export determination: 6.

Rationale: BUG: do not re-write flux degree

Change #670 with diff file ISSM-24091-24092.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessor.cpp
Export determination: 6.

Rationale: CHG: more flexible masstransport

Change #671 with diff file ISSM-24092-24093.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/materials.py M /issm/trunk-jpl/src/m/classes/matice.js

M /issm/trunk-jpl/src/m/classes/matice.py M /issm/trunk-jpl/src/m/materials/nye.m

Export determination: 6.

Rationale: CHG: minor error in nye check for temp out of range

Change #672 with diff file ISSM-24093-24094.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp A /issm/trunk-jpl/test/Archives/Archive346.arch

A /issm/trunk-jpl/test/Archives/Archive347.arch A /issm/trunk-jpl/test/NightlyRun/test346.m

A /issm/trunk-jpl/test/NightlyRun/test347.m A /issm/trunk-jpl/test/Par/SquareSheetConstrainedCO2.par

Export determination: 6.

Rationale: CHG: add test for Mars nye capability

Change #673 with diff file ISSM-24094-24095.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp

Export determination: 6.

Rationale: BUG: need to check for ispdd set factors before using inputs

Change #674 with diff file ISSM-24095-24096.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Elements/PddSurfaceMassBalance.cpp

Export determination: 6.

Rationale: CHG: revert to older pdd scaling for ice

Change #675 with diff file ISSM-24096-24097.diff:

Function name:

M /issm/trunk-jpl/src/m/materials/nye.py M /issm/trunk-jpl/test/Archives/Archive346.arch

M /issm/trunk-jpl/test/Archives/Archive347.arch M /issm/trunk-jpl/test/NightlyRun/test346.m

A /issm/trunk-jpl/test/NightlyRun/test346.py M /issm/trunk-jpl/test/NightlyRun/test347.m

A /issm/trunk-jpl/test/NightlyRun/test347.py M /issm/trunk-jpl/test/Par/SquareSheetConstrainedCO2.par

A /issm/trunk-jpl/test/Par/SquareSheetConstrainedCO2.py

Export determination: 6.

Rationale: CHG: update nye check for 3 steps and add python tests

Change #676 with diff file ISSM-24097-24098.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/cores/masstransport_core.cpp
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp

Export determination: 6.

Rationale: BUG: fixing new mass transport scheme

Change #677 with diff file ISSM-24098-24099.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp

Export determination: 6.

Rationale: CHG: fixed penalties for transient runs

Change #678 with diff file ISSM-24099-24100.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am D /issm/trunk-jpl/src/c/cores/controlad_core.cpp
M /issm/trunk-jpl/src/c/cores/controladm1qn3_core.cpp M /issm/trunk-jpl/src/c/cores/cores.h

Export determination: 6.

Rationale: CHG: removing cores/controlad_core.cpp, dead branche

Change #679 with diff file ISSM-24100-24101.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/toolkits.m

Export determination: 6.

Rationale: CHG: automatically reset recoveryanalysis if old models are loaded

Change #680 with diff file ISSM-24101-24102.diff:

Function name:

M /issm/trunk-jpl/src/m/materials/nye.m M /issm/trunk-jpl/src/m/materials/nye.py

Export determination: 6.
Rationale: CHG: minor updates to nye functions

Change #681 with diff file ISSM-24102-24103.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test237.py
Export determination: 6.
Rationale: CHG: relax tol slightly for mac python nightlies

Change #682 with diff file ISSM-24103-24104.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Elements/NyeCO2.cpp M /issm/trunk-jpl/src/c/shared/Elements/NyeH2O.c
Export determination: 6.
Rationale: CHG: update some warnings for the Nye functions

Change #683 with diff file ISSM-24104-24105.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Elements/NyeCO2.cpp
Export determination: 6.
Rationale: BUG: fixing spacing error in Nye file

Change #684 with diff file ISSM-24105-24106.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test215.js M /issm/trunk-jpl/test/NightlyRun/test215.m
M /issm/trunk-jpl/test/NightlyRun/test215.py
Export determination: 6.
Rationale: CHG: lower solver residue

Change #685 with diff file ISSM-24106-24107.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Constraints/SpcStatic.cpp M /issm/trunk-jpl/src/c/classes/Inputs/Inputs.cp
M /issm/trunk-jpl/src/c/classes/Inputs/Inputs.h
Export determination: 6.

Rationale: CHG: minor

Change #686 with diff file ISSM-24107-24108.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/matlab/io/FetchMatlabData.cpp M /issm/trunk-jpl/src/wrappers/python/io/FetchPythonData.cpp

Export determination: 6.

Rationale: CHG: minor cosmetics

Change #687 with diff file ISSM-24108-24109.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Contours.h M /issm/trunk-jpl/src/c/modules/SystemMatricesx/SystemMatricesx.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_glds_nonlinear.cpp

Export determination: 6.

Rationale: CHG: minor

Change #688 with diff file ISSM-24109-24110.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SystemMatricesx/SystemMatricesx.cpp

Export determination: 6.

Rationale: BUG: did not mean to commit this

Change #689 with diff file ISSM-24110-24111.diff:

Function name:

A /issm/trunk-jpl/src/m/parameterization/killberg.m

Export determination: 6.

Rationale: CHG: created handy routine to remove ice

Change #690 with diff file ISSM-24111-24112.diff:

Function name:

M /issm/trunk-jpl/src/m/parameterization/killberg.m

Export determination: 6.

Rationale: CHG: minor

Change #691 with diff file ISSM-24112-24113.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/javascript/io/FetchJavascriptData.cpp M /issm/trunk-jpl/src/wrappers/matlab/io/FetchMatlabData.cpp M /issm/trunk-jpl/src/wrappers/python/io/FetchPythonData.cpp

Export determination: 6.

Rationale: CHG: change the treatment of hVertices to vector

Change #692 with diff file ISSM-24113-24114.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/BamgOpts.cpp M /issm/trunk-jpl/src/c/bamg/BamgOpts.h

M /issm/trunk-jpl/src/c/bamg/Geometry.cpp M /issm/trunk-jpl/src/c/modules/Bamgx/Bamgx.cpp

Export determination: 6.

Rationale: CHG: change the treatment of hVertices to vector

Change #693 with diff file ISSM-24114-24115.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/python/io/FetchPythonData.cpp

Export determination: 6.

Rationale: BUG: fixing typos

Change #694 with diff file ISSM-24115-24116.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/generic.py M /issm/trunk-jpl/src/m/classes/levelset.py

M /issm/trunk-jpl/src/m/classes/toolkits.py M /issm/trunk-jpl/src/m/contrib/defleurian/paraview/exportVTU.py

M /issm/trunk-jpl/src/m/geometry/slope.py M /issm/trunk-jpl/src/m/interp/averaging.py

M /issm/trunk-jpl/src/m/mesh/GetNodalFunctionsCoeff.py M /issm/trunk-jpl/src/m/mesh/bamg.py

M /issm/trunk-jpl/src/m/mesh/roundmesh.py M /issm/trunk-jpl/src/m/mesh/triangle.py

M /issm/trunk-jpl/src/m/modules/BamgMesher.py M /issm/trunk-jpl/src/m/plot/plot_unit.py

M /issm/trunk-jpl/src/m/solve/loadresultsfromcluster.py M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.py

M /issm/trunk-jpl/src/m/solve/marshall.py

Export determination: 6.

Rationale: BUG:fixing typos for py3 compatibility

Change #695 with diff file ISSM-24116-24117.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/javascript/io/FetchJavascriptData.cpp

Export determination: 6.

Rationale: BUG: fixing data type

Change #696 with diff file ISSM-24117-24118.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp

Export determination: 6.

Rationale: CHG: extending subelement melt parameterizations to discontinuous Galerkin formulation

Change #697 with diff file ISSM-24118-24119.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: BUG: strain rate eigenvalues were returned instead of deviatoric stress'

Change #698 with diff file ISSM-24119-24120.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.cpp

M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.h

Export determination: 6.

Rationale: CHG: (Total)CalvingFluxLevelset, (Total)CalvingMeltingFluxLevelset in 3D

Change #699 with diff file ISSM-24120-24121.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp

Export determination: 6.

Rationale: BUG: fixed matrix computation for Streamline Upwind stabilization scheme

Change #700 with diff file ISSM-24121-24122.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/build_4003.sh A /issm/trunk-jpl/test/MITgcm/code_4003

A /issm/trunk-jpl/test/MITgcm/code_4003/CPP_EEOPTIONS.h A /issm/trunk-

jpl/test/MITgcm/code_4003/CPP_OPTIONS.h A /issm/trunk-jpl/test/MITgcm/code_4003/DIAGNOSTICS_

A /issm/trunk-jpl/test/MITgcm/code_4003/DIAG_OPTIONS.h A /issm/trunk-

jpl/test/MITgcm/code_4003/OBCS_OPTIONS.h A /issm/trunk-jpl/test/MITgcm/code_4003/SHELFICE_OP

A /issm/trunk-jpl/test/MITgcm/code_4003/SIZE.h A /issm/trunk-jpl/test/MITgcm/code_4003/STREAMICE

A /issm/trunk-jpl/test/MITgcm/code_4003/cpl_issm.F A /issm/trunk-jpl/test/MITgcm/code_4003/do_oceanic

A /issm/trunk-jpl/test/MITgcm/code_4003/eeboot_minimal.F A /issm/trunk-

jpl/test/MITgcm/code_4003/eedie.F A /issm/trunk-jpl/test/MITgcm/code_4003/packages.conf

A /issm/trunk-jpl/test/MITgcm/input_4003 A /issm/trunk-jpl/test/MITgcm/input_4003/eedata

A /issm/trunk-jpl/test/MITgcm/input_4003/eedata_uncoupled

Export determination: 6.

Rationale: adding MITgcm code and input directories for experiment 4003

Change #701 with diff file ISSM-24122-24123.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: updating test/NightlyRun/test4003.m to use its own MITgcm code
and input directories

Change #702 with diff file ISSM-24123-24124.diff:

Function name:

A /issm/trunk-jpl/test/MITgcm/input_4003/data A /issm/trunk-jpl/test/MITgcm/input_4003/data_uncouple

M /issm/trunk-jpl/test/MITgcm/input_4003/eedata

Export determination: 6.

Rationale: hard-coding integration period in MITgcm data file

Change #703 with diff file ISSM-24124-24125.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: hard-coding long integration period in MITgcm data

Change #704 with diff file ISSM-24125-24126.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/input_4003/data

Export determination: 6.

Rationale: imposing one-day run time for normal finish

Change #705 with diff file ISSM-24126-24127.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/OceanExchangeDatax/OceanExchangeDatax.cpp

Export determination: 6.

Rationale: FIX: fixed garbage ice time

Change #706 with diff file ISSM-24127-24128.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_iceocean

Export determination: 6.

Rationale: CHG: new test to run for iceocean coupling

Change #707 with diff file ISSM-24128-24129.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive4003.arch M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: CHG: test 4003 now has some results to check

Change #708 with diff file ISSM-24129-24130.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: CHG: minor tolerance

Change #709 with diff file ISSM-24130-24131.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp M /issm/trunk-jpl/src/c/classes/Loads/Numericalf

Export determination: 6.

Rationale: CHG: better way of computing stiffness with DG

Change #710 with diff file ISSM-24131-24132.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.h

M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp

Export determination: 6.

Rationale: CHG: not needed anymore

Change #711 with diff file ISSM-24132-24133.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-

jpl/src/c/classes/Loads/Channel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Channel.h

M /issm/trunk-jpl/src/m/classes/initialization.m

Export determination: 6.

Rationale: NEW: allow channel area initialization in GlaDS

Change #712 with diff file ISSM-24133-24134.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp

Export determination: 6.

Rationale: BUG: fixed assert for melt rate input in GlaDS

Change #713 with diff file ISSM-24134-24135.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/model.m

Export determination: 6.

Rationale: CHG: extract function now keeps all TransientSolution time steps

Change #714 with diff file ISSM-24135-24136.diff:

Function name:

M /issm/trunk-jpl/src/m/miscellaneous/transientrestart.m

Export determination: 6.

Rationale: CHG: added md.initialization.vel to transientrestart

Change #715 with diff file ISSM-24136-24137.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.c

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Seg.h

M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

M /issm/trunk-jpl/src/m/classes/thermal.js M /issm/trunk-jpl/src/m/classes/thermal.m

M /issm/trunk-jpl/src/m/classes/thermal.py A /issm/trunk-jpl/test/Archives/Archive331.arch

A /issm/trunk-jpl/test/NightlyRun/test331.m

Export determination: 6.

Rationale: NEW: anisotropic SUPG for Enthalpy/Thermal Solver

Change #716 with diff file ISSM-24137-24138.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Seg.h

M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

Export determination: 6.

Rationale: BUG: StabilizationParameterAnisotropic should not return a double

Change #717 with diff file ISSM-24138-24139.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4001.m

Export determination: 6.

Rationale: CHG: rebuild MITgcm from scratch each time

Change #718 with diff file ISSM-24139-24140.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-

jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp
Export determination: 6.
Rationale: CHG: added ThicknessResidual as possible output to MasstransportAnalysis

Change #719 with diff file ISSM-24140-24141.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/shared/Elements/Drainage
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/thermal.js
M /issm/trunk-jpl/src/m/classes/thermal.m M /issm/trunk-jpl/src/m/classes/thermal.py
M /issm/trunk-jpl/test/Archives/Archive345.arch

Export determination: 6.

Rationale: CHG: add drainicecolumn and watercolumn_upperlimit as user input;
improve drainage for steadystate case

Change #720 with diff file ISSM-24141-24142.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/thermal.py

Export determination: 6.

Rationale: CHG: fixing typos

Change #721 with diff file ISSM-24142-24143.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive421.arch

Export determination: 6.

Rationale: CHG: update archive421

Change #722 with diff file ISSM-24143-24144.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: CHG: minor tolerances test4003

Change #723 with diff file ISSM-24144-24145.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive421.arch

Export determination: 6.

Rationale: CHG: reverting archive

Change #724 with diff file ISSM-24145-24146.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRatex/FloatingiceMeltingRatex.cpp M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRatex/FloatingiceMeltingRatex.h M /issm/trunk-jpl/src/c/modules/GeothermalFluxx/GeothermalFluxx.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessors/CreateParameters.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp M /issm/trunk-jpl/src/c/shared/io/Marshalling/ A /issm/trunk-jpl/src/m/classes/basalforcingsbeckmannngoosse.m A /issm/trunk-jpl/test/Archives/Archive476.arch A /issm/trunk-jpl/test/NightlyRun/test476.m

Export determination: 6.

Rationale: NEW: Added BeckmannGoose parameterization for calculating basal melt rates of floating ice

Change #725 with diff file ISSM-24146-24147.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.h M /issm/trunk-jpl/src/c/modules/Damagex/Damagex.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp M /issm/trunk-jpl/src/m/classes/damage.m M /issm/trunk-jpl/src/m/classes/damage.py

Export determination: 6.

Rationale: NEW: arctan-based damage evolution law

Change #726 with diff file ISSM-24147-24148.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive476.arch

Export determination: 6.

Rationale: CHG: updated archive

Change #727 with diff file ISSM-24148-24149.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test101.m M /issm/trunk-jpl/test/NightlyRun/test261.m

M /issm/trunk-jpl/test/NightlyRun/test261.py M /issm/trunk-jpl/test/NightlyRun/test476.m

Export determination: 6.

Rationale: CHG: updated archive ../../Archives/Archive476.arch

Change #728 with diff file ISSM-24149-24150.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test101.m M /issm/trunk-jpl/test/NightlyRun/test261.m

M /issm/trunk-jpl/test/NightlyRun/test261.py M /issm/trunk-jpl/test/NightlyRun/test476.m

Export determination: 6.

Rationale: CHG: bed commit, reverting

Change #729 with diff file ISSM-24150-24151.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive476.arch

Export determination: 6.

Rationale: CHG: updated archive ../../Archives/Archive476.arch

Change #730 with diff file ISSM-24151-24152.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Inputs/Inputs.h

Export determination: 6.

Rationale: CHG: minor, not needed function

Change #731 with diff file ISSM-24152-24153.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/classes/Params/Parameter

Export determination: 6.

Rationale: CHG: simplifying parameters

Change #732 with diff file ISSM-24153-24154.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.h

Export determination: 6.

Rationale: CHG: not needed anymore

Change #733 with diff file ISSM-24154-24155.diff:

Function name:

A /issm/trunk-jpl/src/m/geometry/AboveGround.m

Export determination: 6.

Rationale: CHG: needed to plot coastlines.

Change #734 with diff file ISSM-24155-24156.diff:

Function name:

A /issm/trunk-jpl/src/m/mesh/TwoDToThreeD.m M /issm/trunk-jpl/src/m/mesh/meshintersect3d.m

A /issm/trunk-jpl/src/m/mesh/modelmerge2d.m A /issm/trunk-jpl/src/m/mesh/modelmerge3d.m

Export determination: 6.

Rationale: CHG: diverse

Change #735 with diff file ISSM-24156-24157.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/basin.m M /issm/trunk-jpl/src/m/classes/boundary.m

M /issm/trunk-jpl/src/m/classes/mesh3dsurface.m M /issm/trunk-jpl/src/m/classes/sealevelmodel.m

Export determination: 6.

Rationale: CHG: changes to work towards a better sea level model representation of basins.

Change #736 with diff file ISSM-24157-24158.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/modules/InputUpdateFromDakota

M /issm/trunk-jpl/src/c/modules/InputUpdateFromMatrixDakota/InputUpdateFromMatrixDakota.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessor/Dakota/CreateParametersDakota.cpp

M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp
Export determination: 6.
Rationale: CHG: changes required to run sea level solution update on Dakota
+ element partitioning update.

Change #737 with diff file ISSM-24158-24159.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Dakota/CreateParametersDakota.cpp
Export determination: 6.
Rationale: CHG: issue with size of partition vector.

Change #738 with diff file ISSM-24159-24160.diff:
Function name:
A /issm/trunk-jpl/externalpackages/petsc/install-3.9-sherlock.sh
Export determination: 6.
Rationale: NEW: added petsc/install-3.9-sherlock.sh

Change #739 with diff file ISSM-24160-24161.diff:
Function name:
A /issm/trunk-jpl/src/m/classes/clusters/sherlock.m
Export determination: 6.
Rationale: CHG: added classes/clusters/sherlock.m

Change #740 with diff file ISSM-24161-24162.diff:
Function name:
M /issm/trunk-jpl/src/m/partition/partitioner.m M /issm/trunk-jpl/src/m/partition/partitioner.py
Export determination: 6.
Rationale: CHG: partitioner will return a column now

Change #741 with diff file ISSM-24162-24163.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/qmu.m M /issm/trunk-jpl/src/m/classes/qmu.py
Export determination: 6.

Rationale: CHG: add a check for column vector

Change #742 with diff file ISSM-24163-24164.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Dakota/CreateParametersDakota.cpp

Export determination: 6.

Rationale: CHG: partition vector should be a column vector, not a row.

Change #743 with diff file ISSM-24164-24165.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test218.py

Export determination: 6.

Rationale: CHG: partition needs to be a column now

Change #744 with diff file ISSM-24165-24166.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/sealevelmodel.m

Export determination: 6.

Rationale: CHG: added element transitions vector.

Change #745 with diff file ISSM-24166-24167.diff:

Function name:

M /issm/trunk-jpl/src/m/qmu/plot/plot_hist_norm.m

Export determination: 6.

Rationale: CHG: missing default options.

Change #746 with diff file ISSM-24167-24168.diff:

Function name:

M /issm/trunk-jpl/src/m/qmu/postqmu.m

Export determination: 6.

Rationale: CHG: do not error out, just warn if dakota error file has contents, as they could just be warnings!

Change #747 with diff file ISSM-24168-24169.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/AverageOntoPartitionx/AverageOntoPartitionx.cpp

M /issm/trunk-jpl/src/c/modules/InputUpdateFromDakotax/InputUpdateFromDakotax.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Dakota/CreateParametersDakota.cpp

M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp

M /issm/trunk-jpl/src/m/classes/qmu.m

Export determination: 6.

Rationale: CHG: replacing partitioning vector with vpartition and epartition to support both element and vertex based partitioning vectors.

Change #748 with diff file ISSM-24169-24170.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp

Export determination: 6.

Rationale: CHG: diverse

Change #749 with diff file ISSM-24170-24171.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/InputUpdateFromDakotax/InputUpdateFromDakotax.cpp

Export determination: 6.

Rationale: CHG: diverse

Change #750 with diff file ISSM-24171-24172.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/InputUpdateFromDakotax/InputUpdateFromDakotax.cpp

Export determination: 6.

Rationale: CHG: diverse

Change #751 with diff file ISSM-24172-24173.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/InputUpdateFromDakotax/InputUpdateFromDakotax.cpp

Export determination: 6.

Rationale: CHG: diverse

Change #752 with diff file ISSM-24173-24174.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu.m M /issm/trunk-jpl/src/m/classes/qmu.py

M /issm/trunk-jpl/src/m/partition/partitioner.m M /issm/trunk-jpl/src/m/partition/partitioner.py

M /issm/trunk-jpl/src/m/qmu/importancefactors.m M /issm/trunk-jpl/src/m/qmu/importancefactors.py

Export determination: 6.

Rationale: CHG: added v and e partitions

Change #753 with diff file ISSM-24174-24175.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test218.m M /issm/trunk-jpl/test/NightlyRun/test218.py

M /issm/trunk-jpl/test/NightlyRun/test234.m M /issm/trunk-jpl/test/NightlyRun/test234.py

M /issm/trunk-jpl/test/NightlyRun/test235.m M /issm/trunk-jpl/test/NightlyRun/test235.py

M /issm/trunk-jpl/test/NightlyRun/test244.m M /issm/trunk-jpl/test/NightlyRun/test244.py

M /issm/trunk-jpl/test/NightlyRun/test250.m M /issm/trunk-jpl/test/NightlyRun/test250.py

M /issm/trunk-jpl/test/NightlyRun/test251.m M /issm/trunk-jpl/test/NightlyRun/test251.py

M /issm/trunk-jpl/test/NightlyRun/test412.m M /issm/trunk-jpl/test/NightlyRun/test412.py

M /issm/trunk-jpl/test/NightlyRun/test413.m M /issm/trunk-jpl/test/NightlyRun/test413.py

M /issm/trunk-jpl/test/NightlyRun/test414.m M /issm/trunk-jpl/test/NightlyRun/test414.py

M /issm/trunk-jpl/test/NightlyRun/test417.m M /issm/trunk-jpl/test/NightlyRun/test417.py

M /issm/trunk-jpl/test/NightlyRun/test418.m M /issm/trunk-jpl/test/NightlyRun/test418.py

M /issm/trunk-jpl/test/NightlyRun/test420.m M /issm/trunk-jpl/test/NightlyRun/test420.py

M /issm/trunk-jpl/test/NightlyRun/test440.m M /issm/trunk-jpl/test/NightlyRun/test440.py

M /issm/trunk-jpl/test/NightlyRun/test444.m M /issm/trunk-jpl/test/NightlyRun/test444.py

M /issm/trunk-jpl/test/NightlyRun/test445.m M /issm/trunk-jpl/test/NightlyRun/test445.py

Export determination: 6.

Rationale: CHG: fixed tests to deal with different partitioning schemes for epartition and vpartition

Change #754 with diff file ISSM-24175-24176.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/InputUpdateFromMatrixDakotax/InputUpdateFromMatrixDakotax.cpp

Export determination: 6.

Rationale: CHG: diverse

Change #755 with diff file ISSM-24176-24177.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Dakota/CreateParametersDakota.cpp

Export determination: 6.

Rationale: CHG: swapped the two partition vectors! This was creating some seriously wicked segfaults :(

Change #756 with diff file ISSM-24177-24178.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp

Export determination: 6.

Rationale: CHG: fixed UQ error for Ngia and Ugia (issue of rates vs no rates)

Change #757 with diff file ISSM-24178-24179.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu.py

Export determination: 6.

Rationale: CHG: fixing python

Change #758 with diff file ISSM-24179-24180.diff:

Function name:

M /issm/trunk-jpl/src/m/partition/AreaAverageOntoPartition.m M /issm/trunk-jpl/src/m/partition/AreaAverageOntoPartition.py

Export determination: 6.

Rationale: CHG: trying to fix qmu

Change #759 with diff file ISSM-24180-24181.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test418.m M /issm/trunk-jpl/test/NightlyRun/test418.py

Export determination: 6.

Rationale: CHG: trying to fix model

Change #760 with diff file ISSM-24181-24182.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test417.py
Export determination: 6.
Rationale: CHG: minor

Change #761 with diff file ISSM-24182-24183.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: BUG: trying to fix dakota

Change #762 with diff file ISSM-24183-24184.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test417.py
Export determination: 6.
Rationale: CHG: need to add vpartition to 417 python

Change #763 with diff file ISSM-24184-24185.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: CHG: element update for Penta Dakota

Change #764 with diff file ISSM-24185-24186.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/qmu.m M /issm/trunk-jpl/src/m/classes/qmu.py
Export determination: 6.
Rationale: CHG: check correctly for partition column vectors

Change #765 with diff file ISSM-24186-24187.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.

Rationale: CHG: add option for matrix elements in dakota

Change #766 with diff file ISSM-24187-24188.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test244.py

Export determination: 6.

Rationale: CHG: element qmu partition needs to be a column

Change #767 with diff file ISSM-24188-24189.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: BUG: Element check should be outside of Vertex brackets

Change #768 with diff file ISSM-24189-24190.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance

M /issm/trunk-jpl/test/Archives/Archive243.arch M /issm/trunk-jpl/test/Archives/Archive244.arch

Export determination: 6.

Rationale: CHG: update Gemb archives and element sampling

Change #769 with diff file ISSM-24190-24191.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive252.arch

Export determination: 6.

Rationale: CHG: update GEMB 252 archive also

Change #770 with diff file ISSM-24191-24192.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp M /issm/trunk-jpl/test/NightlyRun/test243.m M /issm/trunk-jpl/test/NightlyRun/test243.py

M /issm/trunk-jpl/test/NightlyRun/test252.m M /issm/trunk-jpl/test/NightlyRun/test252.py

Export determination: 6.

Rationale: CHG: add tolerances to some logical GEMB statements and loosen checks a bit

Change #771 with diff file ISSM-24192-24193.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/masstransport.js M /issm/trunk-jpl/src/m/classes/masstransport.m

M /issm/trunk-jpl/src/m/classes/masstransport.py

Export determination: 6.

Rationale: CHG: typo

Change #772 with diff file ISSM-24193-24194.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test243.m M /issm/trunk-jpl/test/NightlyRun/test243.py

Export determination: 6.

Rationale: CHG: gemb FAC loosen error

Change #773 with diff file ISSM-24194-24195.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBgemb.m M /issm/trunk-jpl/src/m/classes/SMBgemb.py

Export determination: 6.

Rationale: CHG: minor, correct comments in files about default thickness values

Change #774 with diff file ISSM-24195-24196.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp

Export determination: 6.

Rationale: CHG: clean up some GEMB logical statements to tie down tols

Change #775 with diff file ISSM-24196-24197.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosx_pine-island

Export determination: 6.

Rationale: CHG: Turning Python tests on.

Change #776 with diff file ISSM-24197-24198.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/WriteData.m

Export determination: 6.

Rationale: CHG: Removed what appear to be extraneous single quotes

Change #777 with diff file ISSM-24198-24199.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosx.pine-island

Export determination: 6.

Rationale: CHG: Turning Python tests off after all.

Change #778 with diff file ISSM-24199-24200.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/WriteData.m

Export determination: 6.

Rationale: BUG: fixed transpose, not an extraneous quote

Change #779 with diff file ISSM-24200-24201.diff:

Function name:

M /issm/trunk-jpl/scripts/BinRead.py

Export determination: 6.

Rationale: CHG: Added case for CompressedMat and code 10 to conversion functions; minor fixes

Change #780 with diff file ISSM-24201-24202.diff:

Function name:

M /issm/trunk-jpl/scripts/BinRead.py

Export determination: 6.

Rationale: BUG: record length is now int64

Change #781 with diff file ISSM-24202-24203.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/linearbasalforcings.m M /issm/trunk-jpl/src/m/classes/linearbasalforcings.p

Export determination: 6.

Rationale: CHG: self-comment fixed

Change #782 with diff file ISSM-24203-24204.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/Gembx.cpp M /issm/trunk-

jpl/src/m/classes/SMBgemb.m M /issm/trunk-jpl/test/Archives/Archive243.arch

M /issm/trunk-jpl/test/Archives/Archive244.arch M /issm/trunk-jpl/test/Archives/Archive252.arch

M /issm/trunk-jpl/test/NightlyRun/test243.m M /issm/trunk-jpl/test/NightlyRun/test243.py

Export determination: 6.

Rationale: CHG: adding paren in GEMB density test, move double marshall in matlab gemb, and updating archives

Change #783 with diff file ISSM-24204-24205.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/Gembx.cpp M /issm/trunk-

jpl/test/NightlyRun/test243.m M /issm/trunk-jpl/test/NightlyRun/test243.py

M /issm/trunk-jpl/test/NightlyRun/test252.m M /issm/trunk-jpl/test/NightlyRun/test252.py

Export determination: 6.

Rationale: CHG: update tols for GEMB, allow looser checkes for grainsize params since it is in mm, other minor spacing

Change #784 with diff file ISSM-24205-24206.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/Elements/Element.h

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h

M /issm/trunk-jpl/src/c/classes/Elements/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp

A /issm/trunk-jpl/src/c/classes/Radar.cpp A /issm/trunk-jpl/src/c/classes/Radar.h

M /issm/trunk-jpl/src/c/classes/classes.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateOutputL

M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToL

A /issm/trunk-jpl/src/m/classes/radar.m M /issm/trunk-jpl/test/NightlyRun/test206.m

Export determination: 6.

Rationale: added attenuation calculation

Change #785 with diff file ISSM-24206-24207.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test206.m

Export determination: 6.

Rationale: BUG: reverted back

Change #786 with diff file ISSM-24207-24208.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Radar.cpp

Export determination: 6.

Rationale: added power

Change #787 with diff file ISSM-24208-24209.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Seg.h

M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

Export determination: 6.

Rationale: remove from Penta

Change #788 with diff file ISSM-24209-24210.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp M /issm/trunk-

jpl/test/Archives/Archive243.arch M /issm/trunk-jpl/test/Archives/Archive244.arch

M /issm/trunk-jpl/test/Archives/Archive252.arch M /issm/trunk-jpl/test/NightlyRun/test243.m

M /issm/trunk-jpl/test/NightlyRun/test243.py M /issm/trunk-jpl/test/NightlyRun/test252.m

M /issm/trunk-jpl/test/NightlyRun/test252.py

Export determination: 6.

Rationale: BUG: forgot to switch adThresh logical order after testing

Change #789 with diff file ISSM-24210-24211.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test243.m M /issm/trunk-jpl/test/NightlyRun/test243.py
M /issm/trunk-jpl/test/NightlyRun/test252.m M /issm/trunk-jpl/test/NightlyRun/test252.py
Export determination: 6.
Rationale: CHG: update some tols for GEMB

Change #790 with diff file ISSM-24211-24212.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Radar.cpp M /issm/trunk-jpl/src/c/classes/Radar.h

Export determination: 6.

Rationale: BUG: fix bug for attenuation

Change #791 with diff file ISSM-24212-24213.diff:

Function name:

M /issm/trunk-jpl/scripts/BinRead.py M /issm/trunk-jpl/scripts/DownloadExternalPackage.py

M /issm/trunk-jpl/scripts/cloc2html.py M /issm/trunk-jpl/scripts/convertmatlabclasses.py

M /issm/trunk-jpl/scripts/mToPy.py M /issm/trunk-jpl/scripts/translateToPy.py

Export determination: 6.

Rationale: CHG: syntax cahnge to meet most of Pep8 requirement

Change #792 with diff file ISSM-24213-24214.diff:

Function name:

M /issm/trunk-jpl/src/m/archive/arch.py M /issm/trunk-jpl/src/m/array/MatlabArray.py

M /issm/trunk-jpl/src/m/boundaryconditions/PattynSMB.py M /issm/trunk-

jpl/src/m/boundaryconditions/SetIceSheetBC.py M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfB

M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py M /issm/trunk-

jpl/src/m/boundaryconditions/love_numbers.py M /issm/trunk-jpl/src/m/classes/SMBcomponents.py

M /issm/trunk-jpl/src/m/classes/SMBd18opdd.py M /issm/trunk-jpl/src/m/classes/SMBforcing.py

M /issm/trunk-jpl/src/m/classes/SMBgemb.py M /issm/trunk-jpl/src/m/classes/SMBgradients.py

M /issm/trunk-jpl/src/m/classes/SMBgradientscomponents.py M /issm/trunk-

jpl/src/m/classes/SMBgradientsela.py M /issm/trunk-jpl/src/m/classes/SMBmeltcomponents.py

M /issm/trunk-jpl/src/m/classes/SMBpdd.py M /issm/trunk-jpl/src/m/classes/SMBpddSicopolis.py

M /issm/trunk-jpl/src/m/classes/amr.py M /issm/trunk-jpl/src/m/classes/autodiff.py

M /issm/trunk-jpl/src/m/classes/balancethickness.py M /issm/trunk-jpl/src/m/classes/bamggeom.py

M /issm/trunk-jpl/src/m/classes/bamgmesh.py M /issm/trunk-jpl/src/m/classes/basalforcings.py

M /issm/trunk-jpl/src/m/classes/calving.py M /issm/trunk-jpl/src/m/classes/calvingdev.py

M /issm/trunk-jpl/src/m/classes/calvinglevermann.py M /issm/trunk-jpl/src/m/classes/calvingminthickness.p

M /issm/trunk-jpl/src/m/classes/calvingvonmises.py M /issm/trunk-jpl/src/m/classes/clusters/cyclone.py

M /issm/trunk-jpl/src/m/classes/clusters/fram.py M /issm/trunk-jpl/src/m/classes/clusters/generic.py

M /issm/trunk-jpl/src/m/classes/clusters/hexagon.py M /issm/trunk-jpl/src/m/classes/clusters/pfe.py
M /issm/trunk-jpl/src/m/classes/clusters/stallo.py M /issm/trunk-jpl/src/m/classes/clusters/vilje.py
M /issm/trunk-jpl/src/m/classes/constants.py M /issm/trunk-jpl/src/m/classes/damage.py
M /issm/trunk-jpl/src/m/classes/debug.py M /issm/trunk-jpl/src/m/classes/dependent.py
M /issm/trunk-jpl/src/m/classes/esa.py M /issm/trunk-jpl/src/m/classes/flowequation.py
M /issm/trunk-jpl/src/m/classes/fourierlove.py M /issm/trunk-jpl/src/m/classes/friction.py
M /issm/trunk-jpl/src/m/classes/frictioncoulomb.py M /issm/trunk-jpl/src/m/classes/frictionhydro.py
M /issm/trunk-jpl/src/m/classes/frictionshakti.py M /issm/trunk-jpl/src/m/classes/frictionwaterlayer.py
M /issm/trunk-jpl/src/m/classes/frictionweertman.py M /issm/trunk-jpl/src/m/classes/frontalforcings.py
M /issm/trunk-jpl/src/m/classes/frontalforcingsrignot.py M /issm/trunk-jpl/src/m/classes/geometry.py
M /issm/trunk-jpl/src/m/classes/giaivins.py M /issm/trunk-jpl/src/m/classes/groundingline.py
M /issm/trunk-jpl/src/m/classes/hydrologydc.py M /issm/trunk-jpl/src/m/classes/hydrologyshakti.py
M /issm/trunk-jpl/src/m/classes/hydrologyshreve.py M /issm/trunk-jpl/src/m/classes/independent.py
M /issm/trunk-jpl/src/m/classes/initialization.py M /issm/trunk-jpl/src/m/classes/inversion.py
M /issm/trunk-jpl/src/m/classes/issmsettings.py M /issm/trunk-jpl/src/m/classes/levelset.py
M /issm/trunk-jpl/src/m/classes/linearbasalforcings.py M /issm/trunk-jpl/src/m/classes/m1qn3inversion.py
M /issm/trunk-jpl/src/m/classes/mask.py M /issm/trunk-jpl/src/m/classes/maskpsl.py
M /issm/trunk-jpl/src/m/classes/massfluxatgate.py M /issm/trunk-jpl/src/m/classes/masstransport.py
M /issm/trunk-jpl/src/m/classes/matdamageice.py M /issm/trunk-jpl/src/m/classes/matenhancedice.py
M /issm/trunk-jpl/src/m/classes/materials.py M /issm/trunk-jpl/src/m/classes/matestar.py
M /issm/trunk-jpl/src/m/classes/matrice.py M /issm/trunk-jpl/src/m/classes/mesh2d.py
M /issm/trunk-jpl/src/m/classes/mesh2dvertical.py M /issm/trunk-jpl/src/m/classes/mesh3dprisms.py
M /issm/trunk-jpl/src/m/classes/mesh3dsurface.py M /issm/trunk-jpl/src/m/classes/miscellaneous.py
M /issm/trunk-jpl/src/m/classes/misfit.py M /issm/trunk-jpl/src/m/classes/mismipbasalforcings.py
M /issm/trunk-jpl/src/m/classes/model.py M /issm/trunk-jpl/src/m/classes/organizer.py
M /issm/trunk-jpl/src/m/classes/outputdefinition.py M /issm/trunk-jpl/src/m/classes/pairoptions.py
M /issm/trunk-jpl/src/m/classes/plotoptions.py M /issm/trunk-jpl/src/m/classes/plumbasalforcings.py
M /issm/trunk-jpl/src/m/classes/private.py M /issm/trunk-jpl/src/m/classes/qmu/@dakota_method/dakota.
M /issm/trunk-jpl/src/m/classes/qmu/@dakota_method/dmeth_params.set.py
M /issm/trunk-jpl/src/m/classes/qmu/@dakota_method/dmeth_params.write.py
M /issm/trunk-jpl/src/m/classes/qmu/calibration.function.py M /issm/trunk-
jpl/src/m/classes/qmu/continuous_design.py M /issm/trunk-jpl/src/m/classes/qmu/continuous_state.py
M /issm/trunk-jpl/src/m/classes/qmu/least_squares.term.py M /issm/trunk-
jpl/src/m/classes/qmu/linear_equality_constraint.py M /issm/trunk-jpl/src/m/classes/qmu/linear_inequality_c
M /issm/trunk-jpl/src/m/classes/qmu/nonlinear_equality_constraint.py M /issm/trunk-
jpl/src/m/classes/qmu/nonlinear_inequality_constraint.py M /issm/trunk-jpl/src/m/classes/qmu/normal_unece
M /issm/trunk-jpl/src/m/classes/qmu/objective_function.py M /issm/trunk-jpl/src/m/classes/qmu/response.
M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.py M /issm/trunk-jpl/src/m/classes/qmu.py
M /issm/trunk-jpl/src/m/classes/radaroverlay.py M /issm/trunk-jpl/src/m/classes/regionaloutput.py
M /issm/trunk-jpl/src/m/classes/results.py M /issm/trunk-jpl/src/m/classes/rifts.py
M /issm/trunk-jpl/src/m/classes/slr.py M /issm/trunk-jpl/src/m/classes/steadystate.py
M /issm/trunk-jpl/src/m/classes/stressbalance.py M /issm/trunk-jpl/src/m/classes/taoinversion.py
M /issm/trunk-jpl/src/m/classes/thermal.py M /issm/trunk-jpl/src/m/classes/timestepping.py
M /issm/trunk-jpl/src/m/classes/timesteppingadaptive.py M /issm/trunk-jpl/src/m/classes/toolkits.py
M /issm/trunk-jpl/src/m/classes/transient.py M /issm/trunk-jpl/src/m/classes/verbose.py
M /issm/trunk-jpl/src/m/consistency/QueueRequirements.py M /issm/trunk-

jpl/src/m/consistency/checkfield.py M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.m
M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.py M /issm/trunk-
jpl/src/m/contrib/defleurian/netCDF/export_netCDF.py M /issm/trunk-jpl/src/m/contrib/defleurian/netCD
M /issm/trunk-jpl/src/m/contrib/defleurian/paraview/enveloppeVTK.py M /issm/trunk-
jpl/src/m/contrib/defleurian/paraview/exportVTK.py M /issm/trunk-jpl/src/m/contrib/morlighem/bamg/Ya
M /issm/trunk-jpl/src/m/coordsystems/gmtmask.py M /issm/trunk-jpl/src/m/coordsystems/ll2xy.py
M /issm/trunk-jpl/src/m/coordsystems/xy2ll.py M /issm/trunk-jpl/src/m/dev/ISSM.py
M /issm/trunk-jpl/src/m/dev/devpath.py M /issm/trunk-jpl/src/m/dev/issmversion.py
M /issm/trunk-jpl/src/m/exp/expcoarsen.py M /issm/trunk-jpl/src/m/exp/expdisp.py
M /issm/trunk-jpl/src/m/exp/expread.py M /issm/trunk-jpl/src/m/exp/expwrite.py
M /issm/trunk-jpl/src/m/exp/flowlines.py M /issm/trunk-jpl/src/m/extrusion/DepthAverage.py
M /issm/trunk-jpl/src/m/extrusion/project2d.py M /issm/trunk-jpl/src/m/extrusion/project3d.py
M /issm/trunk-jpl/src/m/geometry/FlagElements.py M /issm/trunk-jpl/src/m/geometry/GetAreas.py
M /issm/trunk-jpl/src/m/geometry/NowickiProfile.py M /issm/trunk-jpl/src/m/geometry/SegIntersect.py
M /issm/trunk-jpl/src/m/geometry/slope.py M /issm/trunk-jpl/src/m/interp/SectionValues.py
M /issm/trunk-jpl/src/m/interp/averaging.py M /issm/trunk-jpl/src/m/interp/holefiller.py
M /issm/trunk-jpl/src/m/interp/interp.py M /issm/trunk-jpl/src/m/inversions/marshallcostfunctions.py
M /issm/trunk-jpl/src/m/inversions/parametercontroldrag.py M /issm/trunk-
jpl/src/m/inversions/supportedcontrols.py M /issm/trunk-jpl/src/m/inversions/supportedcostfunctions.py
M /issm/trunk-jpl/src/m/io/loadmodel.py M /issm/trunk-jpl/src/m/io/loadvars.py
M /issm/trunk-jpl/src/m/io/savevars.py M /issm/trunk-jpl/src/m/materials/TMeltingPoint.py
M /issm/trunk-jpl/src/m/materials/cuffey.py M /issm/trunk-jpl/src/m/materials/cuffeytemperate.py
M /issm/trunk-jpl/src/m/materials/nye.py M /issm/trunk-jpl/src/m/materials/paterson.py
M /issm/trunk-jpl/src/m/mech/analyticaldamage.py M /issm/trunk-jpl/src/m/mech/backstressfrominversion
M /issm/trunk-jpl/src/m/mech/calcbbackstress.py M /issm/trunk-jpl/src/m/mech/damagefrominversion.py
M /issm/trunk-jpl/src/m/mech/mechanicalproperties.py M /issm/trunk-jpl/src/m/mech/newforcing.py
M /issm/trunk-jpl/src/m/mech/robintemperature.py M /issm/trunk-jpl/src/m/mech/steadystateiceshelftemp
M /issm/trunk-jpl/src/m/mech/thomasparams.py M /issm/trunk-jpl/src/m/mesh/ComputeHessian.py
M /issm/trunk-jpl/src/m/mesh/ComputeMetric.py M /issm/trunk-jpl/src/m/mesh/ElementsFromEdge.py
M /issm/trunk-jpl/src/m/mesh/GetNodalFunctionsCoeff.py M /issm/trunk-jpl/src/m/mesh/bamg.py
M /issm/trunk-jpl/src/m/mesh/bamgflowband.py M /issm/trunk-jpl/src/m/mesh/meshconvert.py
M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.py M /issm/trunk-
jpl/src/m/mesh/rifts/meshprocessoutsiderifts.py M /issm/trunk-jpl/src/m/mesh/rifts/meshprocessrifts.py
M /issm/trunk-jpl/src/m/mesh/roundmesh.py M /issm/trunk-jpl/src/m/mesh/squaremesh.py
M /issm/trunk-jpl/src/m/mesh/triangle.py M /issm/trunk-jpl/src/m/miscellaneous/MatlabFuncs.py
M /issm/trunk-jpl/src/m/miscellaneous/PythonFuncs.py M /issm/trunk-jpl/src/m/miscellaneous/fielddisplay
M /issm/trunk-jpl/src/m/miscellaneous/isnans.py M /issm/trunk-jpl/src/m/miscellaneous/normfit_issm.py
M /issm/trunk-jpl/src/m/miscellaneous/parallelrange.py M /issm/trunk-jpl/src/m/miscellaneous/prctile_issm
M /issm/trunk-jpl/src/m/modules/BamgConvertMesh.py M /issm/trunk-jpl/src/m/modules/BamgMesher.py
M /issm/trunk-jpl/src/m/modules/BamgTriangulate.py M /issm/trunk-jpl/src/m/modules/Chaco.py
M /issm/trunk-jpl/src/m/modules/ContourToMesh.py M /issm/trunk-jpl/src/m/modules/ContourToNodes.p
M /issm/trunk-jpl/src/m/modules/ElementConnectivity.py M /issm/trunk-jpl/src/m/modules/InterpFromGr
M /issm/trunk-jpl/src/m/modules/InterpFromMeshToGrid.py M /issm/trunk-
jpl/src/m/modules/InterpFromMeshToMesh2d.py M /issm/trunk-jpl/src/m/modules/InterpFromMeshToMesh
M /issm/trunk-jpl/src/m/modules/IsmConfig.py M /issm/trunk-jpl/src/m/modules/MeshPartition.py
M /issm/trunk-jpl/src/m/modules/MeshProfileIntersection.py M /issm/trunk-

jpl/src/m/modules/NodeConnectivity.py M /issm/trunk-jpl/src/m/modules/ProcessRifts.py
 M /issm/trunk-jpl/src/m/modules/Scotch.py M /issm/trunk-jpl/src/m/os/issmdir.py
 M /issm/trunk-jpl/src/m/os/issmscpin.py M /issm/trunk-jpl/src/m/os/issmscpout.py
 M /issm/trunk-jpl/src/m/os/issmssh.py M /issm/trunk-jpl/src/m/parameterization/contourenvelope.py
 M /issm/trunk-jpl/src/m/parameterization/parameterize.py M /issm/trunk-jpl/src/m/parameterization/setflo
 M /issm/trunk-jpl/src/m/parameterization/sethydrostaticmask.py M /issm/trunk-
 jpl/src/m/parameterization/setmask.py M /issm/trunk-jpl/src/m/partition/AreaAverageOntoPartition.py
 M /issm/trunk-jpl/src/m/partition/adjacency.py M /issm/trunk-jpl/src/m/partition/partitioner.py
 M /issm/trunk-jpl/src/m/plot/applyoptions.py M /issm/trunk-jpl/src/m/plot/checkplotoptions.py
 M /issm/trunk-jpl/src/m/plot/colormaps/cmaptools.py M /issm/trunk-jpl/src/m/plot/colormaps/demmap.py
 M /issm/trunk-jpl/src/m/plot/colormaps/ibcao.py M /issm/trunk-jpl/src/m/plot/colormaps/landcolor.py
 M /issm/trunk-jpl/src/m/plot/colormaps/seacolor.py M /issm/trunk-jpl/src/m/plot/export_gl.py
 M /issm/trunk-jpl/src/m/plot/plot_BC.py M /issm/trunk-jpl/src/m/plot/plot_contour.py
 M /issm/trunk-jpl/src/m/plot/plot_elementnumbering.py M /issm/trunk-jpl/src/m/plot/plot_icefront.py
 M /issm/trunk-jpl/src/m/plot/plot_manager.py M /issm/trunk-jpl/src/m/plot/plot_mesh.py
 M /issm/trunk-jpl/src/m/plot/plot_overlay.py M /issm/trunk-jpl/src/m/plot/plot_quiver.py
 M /issm/trunk-jpl/src/m/plot/plot_streamlines.py M /issm/trunk-jpl/src/m/plot/plot_unit.py
 M /issm/trunk-jpl/src/m/plot/plot_vertexnumbering.py M /issm/trunk-jpl/src/m/plot/plotdoc.py
 M /issm/trunk-jpl/src/m/plot/plotmodel.py M /issm/trunk-jpl/src/m/plot/processdata.py
 M /issm/trunk-jpl/src/m/plot/processmesh.py M /issm/trunk-jpl/src/m/plot/writejsfield.py
 M /issm/trunk-jpl/src/m/plot/writejsfile.py M /issm/trunk-jpl/src/m/qmu/dakota_in_data.py
 M /issm/trunk-jpl/src/m/qmu/dakota_in_params.py M /issm/trunk-jpl/src/m/qmu/dakota_in_write.py
 M /issm/trunk-jpl/src/m/qmu/dakota_out_parse.py M /issm/trunk-jpl/src/m/qmu/expandresponses.py
 M /issm/trunk-jpl/src/m/qmu/expandvariables.py M /issm/trunk-jpl/src/m/qmu/helpers.py
 M /issm/trunk-jpl/src/m/qmu/importancefactors.py M /issm/trunk-jpl/src/m/qmu/lclist_write.py
 M /issm/trunk-jpl/src/m/qmu/param_write.py M /issm/trunk-jpl/src/m/qmu/postqmu.py
 M /issm/trunk-jpl/src/m/qmu/preqmu.py M /issm/trunk-jpl/src/m/qmu/process_qmu_response_data.py
 M /issm/trunk-jpl/src/m/qmu/rlev_write.py M /issm/trunk-jpl/src/m/qmu/rlist_write.py
 M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupResponses.py M /issm/trunk-
 jpl/src/m/qmu/setupdesign/QmuSetupVariables.py M /issm/trunk-jpl/src/m/qmu/vector_write.py
 M /issm/trunk-jpl/src/m/qmu/vlist_write.py M /issm/trunk-jpl/src/m/shp/shp2exp.py
 M /issm/trunk-jpl/src/m/solve/WriteData.py M /issm/trunk-jpl/src/m/solve/loadresultsfromcluster.py
 M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.py M /issm/trunk-jpl/src/m/solve/marshall.py
 M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py M /issm/trunk-jpl/src/m/solve/solve.py
 M /issm/trunk-jpl/src/m/solve/waitonlock.py M /issm/trunk-jpl/src/m/solvers/asmoptions.py
 M /issm/trunk-jpl/src/m/solvers/iluasmoptions.py M /issm/trunk-jpl/src/m/solvers/issmglsolver.py
 M /issm/trunk-jpl/src/m/solvers/issmmumpsolver.py M /issm/trunk-jpl/src/m/solvers/jacobiasmoptions.py
 M /issm/trunk-jpl/src/m/solvers/jacobicgoptions.py M /issm/trunk-jpl/src/m/solvers/matlaboptions.py
 M /issm/trunk-jpl/src/m/solvers/mumpsoptions.py M /issm/trunk-jpl/src/m/solvers/soroptions.py
 M /issm/trunk-jpl/src/m/solvers/stokesoptions.py

Export determination: 6.

Rationale: CHG: syntax cahnge to meet most of Pep8 requirement

Change #793 with diff file ISSM-24214-24215.diff:

[illegible]

M /issm/trunk-jpl/test/NightlyRun/test337.py M /issm/trunk-jpl/test/NightlyRun/test338.py
M /issm/trunk-jpl/test/NightlyRun/test341.py M /issm/trunk-jpl/test/NightlyRun/test342.py
M /issm/trunk-jpl/test/NightlyRun/test343.py M /issm/trunk-jpl/test/NightlyRun/test344.py
M /issm/trunk-jpl/test/NightlyRun/test346.py M /issm/trunk-jpl/test/NightlyRun/test347.py
M /issm/trunk-jpl/test/NightlyRun/test350.py M /issm/trunk-jpl/test/NightlyRun/test352.py
M /issm/trunk-jpl/test/NightlyRun/test353.py M /issm/trunk-jpl/test/NightlyRun/test354.py
M /issm/trunk-jpl/test/NightlyRun/test404.py M /issm/trunk-jpl/test/NightlyRun/test412.py
M /issm/trunk-jpl/test/NightlyRun/test413.py M /issm/trunk-jpl/test/NightlyRun/test414.py
M /issm/trunk-jpl/test/NightlyRun/test415.py M /issm/trunk-jpl/test/NightlyRun/test416.py
M /issm/trunk-jpl/test/NightlyRun/test417.py M /issm/trunk-jpl/test/NightlyRun/test418.py
M /issm/trunk-jpl/test/NightlyRun/test420.py M /issm/trunk-jpl/test/NightlyRun/test423.py
M /issm/trunk-jpl/test/NightlyRun/test424.py M /issm/trunk-jpl/test/NightlyRun/test425.py
M /issm/trunk-jpl/test/NightlyRun/test426.py M /issm/trunk-jpl/test/NightlyRun/test427.py
M /issm/trunk-jpl/test/NightlyRun/test430.py M /issm/trunk-jpl/test/NightlyRun/test433.py
M /issm/trunk-jpl/test/NightlyRun/test435.py M /issm/trunk-jpl/test/NightlyRun/test436.py
M /issm/trunk-jpl/test/NightlyRun/test437.py M /issm/trunk-jpl/test/NightlyRun/test440.py
M /issm/trunk-jpl/test/NightlyRun/test441.py M /issm/trunk-jpl/test/NightlyRun/test442.py
M /issm/trunk-jpl/test/NightlyRun/test444.py M /issm/trunk-jpl/test/NightlyRun/test445.py
M /issm/trunk-jpl/test/NightlyRun/test460.py M /issm/trunk-jpl/test/NightlyRun/test461.py
M /issm/trunk-jpl/test/NightlyRun/test507.py M /issm/trunk-jpl/test/NightlyRun/test511.py
M /issm/trunk-jpl/test/NightlyRun/test512.py M /issm/trunk-jpl/test/NightlyRun/test513.py
M /issm/trunk-jpl/test/NightlyRun/test540.py M /issm/trunk-jpl/test/NightlyRun/test541.py
M /issm/trunk-jpl/test/NightlyRun/test611.py M /issm/trunk-jpl/test/NightlyRun/test613.py
M /issm/trunk-jpl/test/NightlyRun/test701.py M /issm/trunk-jpl/test/NightlyRun/test702.py
M /issm/trunk-jpl/test/NightlyRun/test703.py M /issm/trunk-jpl/test/NightlyRun/test806.py
M /issm/trunk-jpl/test/NightlyRun/test807.py M /issm/trunk-jpl/test/NightlyRun/test808.py
M /issm/trunk-jpl/test/Par/79North.py M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.py
M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksCD.py M /issm/trunk-jpl/test/Par/ISMIPA.py
M /issm/trunk-jpl/test/Par/ISMIPB.py M /issm/trunk-jpl/test/Par/ISMIPC.py
M /issm/trunk-jpl/test/Par/ISMIPD.py M /issm/trunk-jpl/test/Par/ISMIPE.py
M /issm/trunk-jpl/test/Par/ISMIPF.py M /issm/trunk-jpl/test/Par/IceCube.py
M /issm/trunk-jpl/test/Par/Pig.py M /issm/trunk-jpl/test/Par/RoundSheetEISMINT.py
M /issm/trunk-jpl/test/Par/RoundSheetShelf.py M /issm/trunk-jpl/test/Par/RoundSheetStaticEISMINT.py
M /issm/trunk-jpl/test/Par/SquareEISMINT.py M /issm/trunk-jpl/test/Par/SquareSheetConstrained.py
M /issm/trunk-jpl/test/Par/SquareSheetConstrainedCO2.py M /issm/trunk-jpl/test/Par/SquareSheetShelf.py
M /issm/trunk-jpl/test/Par/SquareShelf2.py M /issm/trunk-jpl/test/Par/SquareShelfConstrained.py
M /issm/trunk-jpl/test/Par/SquareThermal.py M /issm/trunk-jpl/test/Par/ValleyGlacierShelf.py
Export determination: 6.
Rationale: CHG: syntax cahnge to meet most of Pep8 requirement

Change #794 with diff file ISSM-24215-24216.diff:
Function name:

M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: NEW: adding a new alternative path for Python.h

Change #795 with diff file ISSM-24216-24217.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/stallo.py
Export determination: 6.
Rationale: BUG:fixing typos

Change #796 with diff file ISSM-24217-24218.diff:
Function name:
M /issm/trunk-jpl/externalpackages/vim/addons/vimrc
Export determination: 6.
Rationale: CHG: minor

Change #797 with diff file ISSM-24218-24219.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: Testing catch of failure when bad interpreter is given

Change #798 with diff file ISSM-24219-24220.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh M /issm/trunk-jpl/test/NightlyRun/runme.py
Export determination: 6.
Rationale: BUG: Fixes to Python test driver

Change #799 with diff file ISSM-24220-24221.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/Gembx.cpp
Export determination: 6.
Rationale: CHG: minor, add in some checks for GEMB

Change #800 with diff file ISSM-24221-24222.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp

Export determination: 6.

Rationale: CHG: bubble should not be calculated with GetInputValue, it's better to just say it's 0

Change #801 with diff file ISSM-24222-24223.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp

Export determination: 6.

Rationale: BUG: fixing AD

Change #802 with diff file ISSM-24223-24224.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive104.arch M /issm/trunk-jpl/test/Archives/Archive124.arch

M /issm/trunk-jpl/test/Archives/Archive204.arch M /issm/trunk-jpl/test/Archives/Archive211.arch

M /issm/trunk-jpl/test/Archives/Archive215.arch M /issm/trunk-jpl/test/Archives/Archive220.arch

M /issm/trunk-jpl/test/Archives/Archive221.arch M /issm/trunk-jpl/test/Archives/Archive290.arch

M /issm/trunk-jpl/test/Archives/Archive291.arch M /issm/trunk-jpl/test/Archives/Archive308.arch

M /issm/trunk-jpl/test/Archives/Archive322.arch M /issm/trunk-jpl/test/Archives/Archive404.arch

M /issm/trunk-jpl/test/Archives/Archive421.arch M /issm/trunk-jpl/test/Archives/Archive422.arch

M /issm/trunk-jpl/test/Archives/Archive460.arch M /issm/trunk-jpl/test/Archives/Archive461.arch

M /issm/trunk-jpl/test/Archives/Archive503.arch M /issm/trunk-jpl/test/Archives/Archive507.arch

M /issm/trunk-jpl/test/Archives/Archive510.arch M /issm/trunk-jpl/test/Archives/Archive511.arch

M /issm/trunk-jpl/test/Archives/Archive701.arch M /issm/trunk-jpl/test/Archives/Archive702.arch

M /issm/trunk-jpl/test/Archives/Archive703.arch

Export determination: 6.

Rationale: CHG: updated archive now that Bubbles are better treated (only affected first guess)

Change #803 with diff file ISSM-24224-24225.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive1102.arch M /issm/trunk-jpl/test/Archives/Archive1104.arch

M /issm/trunk-jpl/test/Archives/Archive1106.arch M /issm/trunk-jpl/test/Archives/Archive1108.arch
M /issm/trunk-jpl/test/Archives/Archive1207.arch
Export determination: 6.
Rationale: CHG: updated archive now that Bubbles are better treated (only affected first guess)

Change #804 with diff file ISSM-24225-24226.diff:

Function name:

M /issm/trunk-jpl/scripts/BinRead.py M /issm/trunk-jpl/scripts/DownloadExternalPackage.py
M /issm/trunk-jpl/scripts/cloc2html.py M /issm/trunk-jpl/scripts/convertmatlabclasses.py
M /issm/trunk-jpl/scripts/mToPy.py

Export determination: 6.

Rationale: Fixing some more extraneous spaces

Change #805 with diff file ISSM-24226-24227.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/GetIds.py M /issm/trunk-jpl/test/NightlyRun/IdFromString.py
M /issm/trunk-jpl/test/NightlyRun/IdToName.py M /issm/trunk-jpl/test/NightlyRun/runme.py

Export determination: 6.

Rationale: Fixing some more extraneous spaces

Change #806 with diff file ISSM-24227-24228.diff:

Function name:

M /issm/trunk-jpl/src/m/dev/devpath.py

Export determination: 6.

Rationale: Fixing some more extraneous spaces

Change #807 with diff file ISSM-24228-24229.diff:

Function name:

M /issm/trunk-jpl/src/m/os/issmssh.py

Export determination: 6.

Rationale: Fixing some more extraneous spaces

Change #808 with diff file ISSM-24229-24230.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test218.py

Export determination: 6.

Rationale: BUG: Turning Valgrind off

Change #809 with diff file ISSM-24230-24231.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive3004.arch

Export determination: 6.

Rationale: CHG: Updated archive (need to recompile with MUMPS to update 3104)

Change #810 with diff file ISSM-24231-24232.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_ad

Export determination: 6.

Rationale: CHG: Adding path to MUMPS for reference purposes (does not seem to be required by Wallach_IX, but was needed on local compilation)

Change #811 with diff file ISSM-24232-24233.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_ad

Export determination: 6.

Rationale: CHG: Adding additional paths needed to get MUMPS compiled in (needed at least on the master Jenkins node, though it seems like the error was hidden somehow)

Change #812 with diff file ISSM-24233-24234.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_ad M /issm/trunk-jpl/jenkins/linux64_ross_ampi

Export determination: 6.

Rationale: CHG: Configuration changes for AMPION/OFF.

Change #813 with diff file ISSM-24234-24235.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive3104.arch

Export determination: 6.

Rationale: CHG: Updated archive

Change #814 with diff file ISSM-24235-24236.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive3010.arch M /issm/trunk-jpl/test/Archives/Archive3019.arch

Export determination: 6.

Rationale: CHG: Updated archives

Change #815 with diff file ISSM-24236-24237.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross M /issm/trunk-jpl/jenkins/linux64_ross_python

Export determination: 6.

Rationale: CHG: Turning off Python tests in vanilla Linux build; minor edits

Change #816 with diff file ISSM-24237-24238.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_ad M /issm/trunk-jpl/jenkins/linux64_ross_ampi

M /issm/trunk-jpl/jenkins/linux64_ross_dakota M /issm/trunk-jpl/jenkins/linux64_ross_python

M /issm/trunk-jpl/jenkins/linux64_ross_se

Export determination: 6.

Rationale: CHG: Standardizing installation of Python modules (I dont know why I couldnt figure this out previously)

Change #817 with diff file ISSM-24238-24239.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test243.py M /issm/trunk-jpl/test/NightlyRun/test252.py

Export determination: 6.

Rationale: BUG: allow_pickle is False by default after updating numpy

Change #818 with diff file ISSM-24239-24240.diff:

Function name:

M /issm/trunk-jpl/externalpackages/emscripten/install.sh A /issm/trunk-jpl/externalpackages/java
A /issm/trunk-jpl/externalpackages/java/yuicompressor-2.4.8.jar A /issm/trunk-
jpl/externalpackages/javascript/README D /issm/trunk-jpl/externalpackages/javascript/compressor
A /issm/trunk-jpl/externalpackages/javascript/gauge.min.js A /issm/trunk-jpl/externalpackages/javascript/gl
matrix-min.js A /issm/trunk-jpl/externalpackages/javascript/hammer.min.js A
/issm/trunk-jpl/externalpackages/javascript/jquery.min.js A /issm/trunk-jpl/externalpackages/javascript/json
A /issm/trunk-jpl/externalpackages/javascript/sprintf.js D /issm/trunk-jpl/externalpackages/javascript/src
Export determination: 6.
Rationale: CHG: Now grabbing latest version of Emscripten; moved Java assets
to their own subdirectory

Change #819 with diff file ISSM-24240-24241.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-
jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-
jpl/src/c/analyses/L2ProjectionEPLAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/classes/Inputs/BoolInput.cpp
M /issm/trunk-jpl/src/c/classes/Inputs/BoolInput.h M /issm/trunk-jpl/src/c/classes/Inputs/ControllInput.cpp
M /issm/trunk-jpl/src/c/classes/Inputs/ControllInput.h M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput
M /issm/trunk-jpl/src/c/classes/Inputs/DoubleArrayInput.h M /issm/trunk-
jpl/src/c/classes/Inputs/DoubleInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput.h
M /issm/trunk-jpl/src/c/classes/Inputs/Input.h M /issm/trunk-jpl/src/c/classes/Inputs/IntInput.cpp
M /issm/trunk-jpl/src/c/classes/Inputs/IntInput.h M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.cpp
M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.h M /issm/trunk-jpl/src/c/classes/Inputs/SegInput.h
M /issm/trunk-jpl/src/c/classes/Inputs/TetraInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TetraInput.h
M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/Transient
M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.h
M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp
M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/cores/bedslope_core.cpp
M /issm/trunk-jpl/src/c/cores/damage_core.cpp M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp
M /issm/trunk-jpl/src/c/cores/smb_core.cpp M /issm/trunk-jpl/src/c/cores/stressbalance_core.cpp
M /issm/trunk-jpl/src/c/cores/surfaceslope_core.cpp M /issm/trunk-jpl/src/c/cores/thermal_core.cpp
M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringTo
M /issm/trunk-jpl/src/c/shared/Enum/Synchronize.sh M /issm/trunk-jpl/src/c/toolkits/petsc/objects/Petsc
M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscVec.h M /issm/trunk-jpl/src/m/archive/arch.py
M /issm/trunk-jpl/src/m/classes/SMBcomponents.m M /issm/trunk-jpl/src/m/classes/SMBcomponents.py

Export determination: 6.
Rationale: BUG: fixing matlab hydro tests

Change #822 with diff file ISSM-24243-24244.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test333.m
Export determination: 6.
Rationale: BUG: late fix to 333

Change #823 with diff file ISSM-24244-24245.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive331.arch
Export determination: 6.
Rationale: CHG: reverted archive

Change #824 with diff file ISSM-24245-24246.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test333.m
Export determination: 6.
Rationale: BUG: Missing field_values elements

Change #825 with diff file ISSM-24246-24247.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_ross_ampi
Export determination: 6.
Rationale: CHG: Reverting change to MPI lib flags.

Change #826 with diff file ISSM-24247-24248.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive3010.arch M /issm/trunk-jpl/test/Archives/Archive3019.arch
Export determination: 6.
Rationale: CHG: Updated archives

Change #827 with diff file ISSM-24248-24249.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive3010.arch

Export determination: 6.

Rationale: CHG: Updated archive

Change #828 with diff file ISSM-24249-24250.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: CHG: Eased tolerances.

Change #829 with diff file ISSM-24250-24251.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.py

Export determination: 6.

Rationale: BUG: Extra spaces.

Change #830 with diff file ISSM-24251-24252.diff:

Function name:

M /issm/trunk-jpl/src/m/coordsystems/gmtmask.py M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplane

M /issm/trunk-jpl/src/m/os/issmscpin.py

Export determination: 6.

Rationale: BUG: Extra spaces (should be the last of these).

Change #831 with diff file ISSM-24252-24253.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/generic.py M /issm/trunk-jpl/src/m/os/issmdir.py

M /issm/trunk-jpl/src/m/os/issmscpin.py M /issm/trunk-jpl/src/m/os/issmscpout.py

M /issm/trunk-jpl/src/m/os/issmssh.py M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.py

Export determination: 6.

Rationale: BUG: Extra spaces (not quite finished, but committing progress)

Change #832 with diff file ISSM-24253-24254.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp

Export determination: 6.

Rationale: CHG: not needed

Change #833 with diff file ISSM-24254-24255.diff:

Function name:

M /issm/trunk-jpl/src/m/coordsystems/ll2xy.m M /issm/trunk-jpl/src/m/coordsystems/ll2xy.py

M /issm/trunk-jpl/src/m/coordsystems/xy2ll.m M /issm/trunk-jpl/src/m/coordsystems/xy2ll.py

M /issm/trunk-jpl/src/m/dev/devpath.py M /issm/trunk-jpl/src/m/exp/expcoarsen.py

M /issm/trunk-jpl/src/m/exp/expread.py M /issm/trunk-jpl/src/m/exp/flowlines.py

M /issm/trunk-jpl/src/m/geometry/NowickiProfile.py M /issm/trunk-jpl/src/m/geometry/SegIntersect.py

M /issm/trunk-jpl/src/m/geometry/slope.py M /issm/trunk-jpl/src/m/mech/backstressfrominversion.py

M /issm/trunk-jpl/src/m/mech/damagefrominversion.py M /issm/trunk-jpl/src/m/mech/mechanicalproperties

M /issm/trunk-jpl/src/m/mech/robintemperature.py M /issm/trunk-jpl/src/m/mech/thomasparams.py

M /issm/trunk-jpl/src/m/partition/adjacency.py M /issm/trunk-jpl/src/m/partition/partitioner.py

M /issm/trunk-jpl/src/m/qmu/helpers.py

Export determination: 6.

Rationale: BUG: Extra spaces (committing progress, but grep and manual fix is taking too long; will talk tomorrow to Basile about reverting and modifying his syntax parsing script)

Change #834 with diff file ISSM-24255-24256.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.py M /issm/trunk-

jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py M /issm/trunk-jpl/src/m/classes/esa.py

M /issm/trunk-jpl/src/m/classes/thermal.py M /issm/trunk-jpl/src/m/consistency/checkfield.py

D /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/ClassTry.py M /issm/trunk-

jpl/src/m/contrib/defleurian/paraview/exportVTK.py M /issm/trunk-jpl/src/m/extrusion/project3d.py

M /issm/trunk-jpl/src/m/miscellaneous/fielddisplay.py M /issm/trunk-jpl/src/m/plot/processdata.py

M /issm/trunk-jpl/src/m/solve/WriteData.py M /issm/trunk-jpl/src/m/solve/parserserresultsfromdisk.py

M /issm/trunk-jpl/test/NightlyRun/IdToName.py M /issm/trunk-jpl/test/NightlyRun/test244.py

Export determination: 6.

Rationale: BUG: syntax fix in array indexes

Change #835 with diff file ISSM-24256-24257.diff:

Function name:

M /issm/trunk-jpl/src/m/archive/arch.py M /issm/trunk-jpl/src/m/boundaryconditions/PattynSMB.py
M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.py M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py M /issm/trunk-jpl/src/m/boundaryconditions/love.m
M /issm/trunk-jpl/src/m/classes/dependent.py M /issm/trunk-jpl/src/m/classes/frictionweertman.py
M /issm/trunk-jpl/src/m/classes/initialization.py M /issm/trunk-jpl/src/m/classes/model.py
M /issm/trunk-jpl/src/m/classes/qmu/continuous.design.py M /issm/trunk-jpl/src/m/classes/qmu/continuous.py
M /issm/trunk-jpl/src/m/classes/qmu/linear_inequality_constraint.py M /issm/trunk-jpl/src/m/classes/qmu/nonlinear_inequality_constraint.py M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.py
M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.py M /issm/trunk-jpl/src/m/classes/rifts.py
M /issm/trunk-jpl/src/m/classes/thermal.py M /issm/trunk-jpl/src/m/contrib/defleurian/paraview/exportVT.py
M /issm/trunk-jpl/src/m/extrusion/DepthAverage.py M /issm/trunk-jpl/src/m/extrusion/project2d.py
M /issm/trunk-jpl/src/m/extrusion/project3d.py M /issm/trunk-jpl/src/m/interp/SectionValues.py
M /issm/trunk-jpl/src/m/interp/averaging.py M /issm/trunk-jpl/src/m/interp/interp.py
M /issm/trunk-jpl/src/m/materials/cuffey.py M /issm/trunk-jpl/src/m/materials/cuffeytemperate.py
M /issm/trunk-jpl/src/m/materials/nye.py M /issm/trunk-jpl/src/m/materials/paterson.py
M /issm/trunk-jpl/src/m/mech/newforcing.py M /issm/trunk-jpl/src/m/mech/steadystateiceshelftemp.py
M /issm/trunk-jpl/src/m/mech/thomasparams.py M /issm/trunk-jpl/src/m/mesh/ComputeMetric.py
M /issm/trunk-jpl/src/m/mesh/GetNodalFunctionsCoeff.py M /issm/trunk-jpl/src/m/mesh/bamg.py
M /issm/trunk-jpl/src/m/mesh/rifts/meshprocessrifts.py M /issm/trunk-jpl/src/m/parameterization/setflow.py
M /issm/trunk-jpl/src/m/plot/applyoptions.py M /issm/trunk-jpl/src/m/plot/colormaps/cmapttools.py
M /issm/trunk-jpl/src/m/plot/colormaps/demmap.py M /issm/trunk-jpl/src/m/plot/export_gl.py
M /issm/trunk-jpl/src/m/plot/plot_overlay.py M /issm/trunk-jpl/src/m/plot/processdata.py
M /issm/trunk-jpl/src/m/solve/WriteData.py M /issm/trunk-jpl/test/NightlyRun/IdFromString.py
M /issm/trunk-jpl/test/NightlyRun/runme.py M /issm/trunk-jpl/test/NightlyRun/test1108.py
M /issm/trunk-jpl/test/NightlyRun/test119.py M /issm/trunk-jpl/test/NightlyRun/test1202.py
M /issm/trunk-jpl/test/NightlyRun/test1203.py M /issm/trunk-jpl/test/NightlyRun/test1302.py
M /issm/trunk-jpl/test/NightlyRun/test1501.py M /issm/trunk-jpl/test/NightlyRun/test1502.py
M /issm/trunk-jpl/test/NightlyRun/test2002.py M /issm/trunk-jpl/test/NightlyRun/test2003.py
M /issm/trunk-jpl/test/NightlyRun/test2010.py M /issm/trunk-jpl/test/NightlyRun/test2084.py
M /issm/trunk-jpl/test/NightlyRun/test2085.py M /issm/trunk-jpl/test/NightlyRun/test218.py
M /issm/trunk-jpl/test/NightlyRun/test236.py M /issm/trunk-jpl/test/NightlyRun/test237.py
M /issm/trunk-jpl/test/NightlyRun/test238.py M /issm/trunk-jpl/test/NightlyRun/test239.py
M /issm/trunk-jpl/test/NightlyRun/test240.py M /issm/trunk-jpl/test/NightlyRun/test2424.py
M /issm/trunk-jpl/test/NightlyRun/test243.py M /issm/trunk-jpl/test/NightlyRun/test245.py
M /issm/trunk-jpl/test/NightlyRun/test252.py M /issm/trunk-jpl/test/NightlyRun/test332.py
M /issm/trunk-jpl/test/NightlyRun/test334.py M /issm/trunk-jpl/test/NightlyRun/test350.py
M /issm/trunk-jpl/test/NightlyRun/test418.py M /issm/trunk-jpl/test/NightlyRun/test430.py
M /issm/trunk-jpl/test/NightlyRun/test435.py M /issm/trunk-jpl/test/NightlyRun/test441.py
M /issm/trunk-jpl/test/NightlyRun/test442.py M /issm/trunk-jpl/test/NightlyRun/test613.py
M /issm/trunk-jpl/test/NightlyRun/test702.py M /issm/trunk-jpl/test/NightlyRun/test703.py
M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.py M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksCD.py
M /issm/trunk-jpl/test/Par/ISMIPF.py M /issm/trunk-jpl/test/Par/RoundSheetShelf.py

Export determination: 6.

Rationale: BUG: fixing some negative number syntax

Change #836 with diff file ISSM-24257-24258.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: CHG: Eased tolerances.

Change #837 with diff file ISSM-24258-24259.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: CHG: minor debug statement.

Change #838 with diff file ISSM-24259-24260.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/cores/sealevelrise_core.cpp

M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp

M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp M /issm/trunk-jpl/src/m/classes/slr.m

Export determination: 6.

Rationale: CHG: introducing hydro_rate (similar to steric_rate) for hydrological fingerprints.

Change #839 with diff file ISSM-24260-24261.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/PattynSMB.py M /issm/trunk-jpl/src/m/boundaryconditions/SetIceSheetBC.py

M /issm/trunk-jpl/src/m/boundaryconditions/love_numbers.py M /issm/trunk-jpl/src/m/inversions/parametercontroldrag.py

M /issm/trunk-jpl/src/m/materials/cuffey.py M /issm/trunk-jpl/src/m/materials/nye.py M /issm/trunk-jpl/src/m/materials/paterson.py

M /issm/trunk-jpl/src/m/mech/thomasparams.py M /issm/trunk-jpl/src/m/mesh/ComputeMetric.py M /issm/trunk-jpl/src/m/mesh/bamg.py

M /issm/trunk-jpl/src/m/mesh/bamgflowband.py M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py

Export determination: 6.

Rationale: BUG: Extraneous spaces and other fixes (will continue with this tonight and over the weekend, as needed)

Change #840 with diff file ISSM-24261-24262.diff:

Function name:

M /issm/trunk-jpl/scripts/translateToPy.py M /issm/trunk-jpl/src/m/archive/arch.py
M /issm/trunk-jpl/src/m/array/MatlabArray.py M /issm/trunk-jpl/src/m/classes/SMBpddSicopolis.py
M /issm/trunk-jpl/src/m/classes/dependent.py M /issm/trunk-jpl/src/m/classes/fourierlove.py
M /issm/trunk-jpl/src/m/classes/geometry.py M /issm/trunk-jpl/src/m/classes/groundingline.py
M /issm/trunk-jpl/src/m/classes/inversion.py M /issm/trunk-jpl/src/m/classes/linearbasalforcings.py
M /issm/trunk-jpl/src/m/classes/masstransport.py M /issm/trunk-jpl/src/m/classes/matenhancedice.py
M /issm/trunk-jpl/src/m/classes/mismipbasalforcings.py M /issm/trunk-jpl/src/m/classes/model.py
M /issm/trunk-jpl/src/m/classes/organizer.py M /issm/trunk-jpl/src/m/classes/plumebasalforcings.py
M /issm/trunk-jpl/src/m/classes/qmu/@dakota_method/dakota_method.py M
/issm/trunk-jpl/src/m/classes/qmu/continuous_design.py M /issm/trunk-jpl/src/m/classes/qmu/continuous.s
M /issm/trunk-jpl/src/m/classes/qmu/linear_inequality_constraint.py M /issm/trunk-
jpl/src/m/classes/qmu/nonlinear_inequality_constraint.py M /issm/trunk-jpl/src/m/classes/qmu/normal_unece
M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.py M /issm/trunk-jpl/src/m/classes/stressbalance.py
M /issm/trunk-jpl/src/m/classes/thermal.py M /issm/trunk-jpl/src/m/consistency/checkfield.py
M /issm/trunk-jpl/src/m/contrib/defleurian/paraview/exportVTK.py M /issm/trunk-
jpl/src/m/contrib/morlighem/bamg/YamsCall.py M /issm/trunk-jpl/src/m/inversions/parametercontroldrag.
M /issm/trunk-jpl/src/m/materials/paterson.py M /issm/trunk-jpl/src/m/mesh/ComputeMetric.py
M /issm/trunk-jpl/src/m/mesh/bamg.py M /issm/trunk-jpl/src/m/miscellaneous/prctile_issm.py
M /issm/trunk-jpl/src/m/parameterization/setflowequation.py M /issm/trunk-
jpl/src/m/parameterization/setmask.py M /issm/trunk-jpl/src/m/plot/checkplotoptions.py
M /issm/trunk-jpl/src/m/plot/colormaps/demmap.py M /issm/trunk-jpl/src/m/plot/processdata.py
M /issm/trunk-jpl/src/m/plot/writejsfile.py M /issm/trunk-jpl/test/NightlyRun/GetIds.py
M /issm/trunk-jpl/test/NightlyRun/test1101.py M /issm/trunk-jpl/test/NightlyRun/test1102.py
M /issm/trunk-jpl/test/NightlyRun/test1103.py M /issm/trunk-jpl/test/NightlyRun/test1105.py
M /issm/trunk-jpl/test/NightlyRun/test1106.py M /issm/trunk-jpl/test/NightlyRun/test1107.py
M /issm/trunk-jpl/test/NightlyRun/test1201.py M /issm/trunk-jpl/test/NightlyRun/test1202.py
M /issm/trunk-jpl/test/NightlyRun/test1203.py M /issm/trunk-jpl/test/NightlyRun/test1301.py
M /issm/trunk-jpl/test/NightlyRun/test1302.py M /issm/trunk-jpl/test/NightlyRun/test1304.py
M /issm/trunk-jpl/test/NightlyRun/test2002.py M /issm/trunk-jpl/test/NightlyRun/test2003.py
M /issm/trunk-jpl/test/NightlyRun/test2010.py M /issm/trunk-jpl/test/NightlyRun/test2101.py
M /issm/trunk-jpl/test/NightlyRun/test2110.py M /issm/trunk-jpl/test/NightlyRun/test2111.py
M /issm/trunk-jpl/test/NightlyRun/test2112.py M /issm/trunk-jpl/test/NightlyRun/test2113.py
M /issm/trunk-jpl/test/NightlyRun/test217.py M /issm/trunk-jpl/test/NightlyRun/test218.py
M /issm/trunk-jpl/test/NightlyRun/test234.py M /issm/trunk-jpl/test/NightlyRun/test235.py
M /issm/trunk-jpl/test/NightlyRun/test236.py M /issm/trunk-jpl/test/NightlyRun/test237.py
M /issm/trunk-jpl/test/NightlyRun/test238.py M /issm/trunk-jpl/test/NightlyRun/test239.py
M /issm/trunk-jpl/test/NightlyRun/test240.py M /issm/trunk-jpl/test/NightlyRun/test2424.py
M /issm/trunk-jpl/test/NightlyRun/test2425.py M /issm/trunk-jpl/test/NightlyRun/test244.py
M /issm/trunk-jpl/test/NightlyRun/test245.py M /issm/trunk-jpl/test/NightlyRun/test250.py
M /issm/trunk-jpl/test/NightlyRun/test251.py M /issm/trunk-jpl/test/NightlyRun/test272.py
M /issm/trunk-jpl/test/NightlyRun/test3015.py M /issm/trunk-jpl/test/NightlyRun/test3020.py
M /issm/trunk-jpl/test/NightlyRun/test319.py M /issm/trunk-jpl/test/NightlyRun/test320.py
M /issm/trunk-jpl/test/NightlyRun/test321.py M /issm/trunk-jpl/test/NightlyRun/test322.py
M /issm/trunk-jpl/test/NightlyRun/test328.py M /issm/trunk-jpl/test/NightlyRun/test329.py

M /issm/trunk-jpl/test/NightlyRun/test330.py M /issm/trunk-jpl/test/NightlyRun/test3300.py
M /issm/trunk-jpl/test/NightlyRun/test341.py M /issm/trunk-jpl/test/NightlyRun/test343.py
M /issm/trunk-jpl/test/NightlyRun/test344.py M /issm/trunk-jpl/test/NightlyRun/test350.py
M /issm/trunk-jpl/test/NightlyRun/test412.py M /issm/trunk-jpl/test/NightlyRun/test413.py
M /issm/trunk-jpl/test/NightlyRun/test414.py M /issm/trunk-jpl/test/NightlyRun/test415.py
M /issm/trunk-jpl/test/NightlyRun/test416.py M /issm/trunk-jpl/test/NightlyRun/test417.py
M /issm/trunk-jpl/test/NightlyRun/test420.py M /issm/trunk-jpl/test/NightlyRun/test424.py
M /issm/trunk-jpl/test/NightlyRun/test425.py M /issm/trunk-jpl/test/NightlyRun/test426.py
M /issm/trunk-jpl/test/NightlyRun/test427.py M /issm/trunk-jpl/test/NightlyRun/test430.py
M /issm/trunk-jpl/test/NightlyRun/test435.py M /issm/trunk-jpl/test/NightlyRun/test437.py
M /issm/trunk-jpl/test/NightlyRun/test440.py M /issm/trunk-jpl/test/NightlyRun/test441.py
M /issm/trunk-jpl/test/NightlyRun/test442.py M /issm/trunk-jpl/test/NightlyRun/test444.py
M /issm/trunk-jpl/test/NightlyRun/test445.py M /issm/trunk-jpl/test/NightlyRun/test511.py
M /issm/trunk-jpl/test/NightlyRun/test512.py M /issm/trunk-jpl/test/NightlyRun/test513.py
M /issm/trunk-jpl/test/NightlyRun/test611.py M /issm/trunk-jpl/test/NightlyRun/test701.py
M /issm/trunk-jpl/test/NightlyRun/test702.py M /issm/trunk-jpl/test/NightlyRun/test703.py
M /issm/trunk-jpl/test/NightlyRun/test808.py M /issm/trunk-jpl/test/Par/ISMIPF.py
M /issm/trunk-jpl/test/Par/RoundSheetEISMINT.py M /issm/trunk-jpl/test/Par/RoundSheetStaticEISMINT.py
M /issm/trunk-jpl/test/Par/RoundSheetStaticEISMINT.py M /issm/trunk-jpl/test/Par/SquareSheetConstrained.py
M /issm/trunk-jpl/test/Par/SquareSheetShelf.py M /issm/trunk-jpl/test/Par/SquareShelfConstrained.py
M /issm/trunk-jpl/test/Par/SquareThermal.py

Export determination: 6.

Rationale: BUG: still some space fix

Change #841 with diff file ISSM-24262-24263.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/bamg.py M /issm/trunk-jpl/src/m/plot/plotdoc.py
M /issm/trunk-jpl/test/NightlyRun/test1501.py M /issm/trunk-jpl/test/NightlyRun/test1502.py

Export determination: 6.

Rationale: BUG:fixing test1501,1502

Change #842 with diff file ISSM-24263-24264.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3015.m M /issm/trunk-jpl/test/NightlyRun/test3015.py
M /issm/trunk-jpl/test/NightlyRun/test3019.py

Export determination: 6.

Rationale: BUG: Missing issmsglsolver was causing failures.

Change #843 with diff file ISSM-24264-24265.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive3010.arch
Export determination: 6.
Rationale: CHG: Updated archives using ampioff configuration

Change #844 with diff file ISSM-24265-24266.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_ross_ampi M /issm/trunk-jpl/test/Archives/Archive3010.arch
Export determination: 6.
Rationale: CHG: Added lib flag for MPI C++ back into build config (for consistency with ampioff configuration); updated archives using ampion configuration

Change #845 with diff file ISSM-24266-24267.diff:
Function name:
M /issm/trunk-jpl/externalpackages/emscripten/install.sh
Export determination: 6.
Rationale: BUG: Reverting to tagged release (works locally)

Change #846 with diff file ISSM-24267-24268.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_ross_ampi
Export determination: 6.
Rationale: BUG: Accidentally committed local path to bumpy.

Change #847 with diff file ISSM-24268-24269.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive3010.arch
Export determination: 6.
Rationale: CHG: Reverting archive to r21152

Change #848 with diff file ISSM-24269-24270.diff:
Function name:

M /issm/trunk-jpl/src/m/classes/clusters/cyclone.py M /issm/trunk-jpl/src/m/classes/clusters/hexagon.py
M /issm/trunk-jpl/src/m/classes/clusters/pfe.py M /issm/trunk-jpl/src/m/classes/clusters/stallo.py
M /issm/trunk-jpl/src/m/classes/clusters/vilje.py M /issm/trunk-jpl/src/m/classes/pairoptions.py
M /issm/trunk-jpl/src/m/classes/plotoptions.py M /issm/trunk-jpl/src/m/contrib/defleurian/paraview/export
M /issm/trunk-jpl/src/m/plot/plot_BC.py M /issm/trunk-jpl/src/m/plot/plot_manager.py
M /issm/trunk-jpl/src/m/plot/plot_unit.py M /issm/trunk-jpl/src/m/plot/plotmodel.py
Export determination: 6.
Rationale: BUG:fixing some space in clusters, and some fixes in plot

Change #849 with diff file ISSM-24270-24271.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp

Export determination: 6.

Rationale: BUG: do not compute complete adjoint if there is no ice on the element

Change #850 with diff file ISSM-24271-24272.diff:

Function name:

M /issm/trunk-jpl/externalpackages/hdf5/install.sh M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: Minor fixes and cleanup

Change #851 with diff file ISSM-24272-24273.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: New check so that JavaScript build does not recompile unnecessarily each time; documentation and formatting (more to come later)

Change #852 with diff file ISSM-24273-24274.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test509.m M /issm/trunk-jpl/test/NightlyRun/test509.py

Export determination: 6.

Rationale: CHG: Eased tolerances.

Change #853 with diff file ISSM-24274-24275.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosx_pine-island

Export determination: 6.

Rationale: CHG: Minor cleanup

Change #854 with diff file ISSM-24275-24276.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/defleurian/paraview/exportVTK.py

Export determination: 6.

Rationale: NEW: adding some user required options to eportvtk

Change #855 with diff file ISSM-24276-24277.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosx_pine-island

Export determination: 6.

Rationale: CHG: Adding Full Stokes control back into test options

Change #856 with diff file ISSM-24277-24278.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosx_pine-island

Export determination: 6.

Rationale: CHG: Minor documentation changes (if good, will apply to the other Jenkins config files)

Change #857 with diff file ISSM-24278-24279.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: Minor documentation change

Change #858 with diff file ISSM-24279-24280.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp M /issm/trunk-jpl/test/Archives/Archive243.arch M /issm/trunk-jpl/test/Archives/Archive244.arch
M /issm/trunk-jpl/test/Archives/Archive252.arch
Export determination: 6.
Rationale: CHG: update grain radius when merging cells

Change #859 with diff file ISSM-24280-24281.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp
Export determination: 6.
Rationale: CHG: minor, add tolerance to Water check

Change #860 with diff file ISSM-24281-24282.diff:
Function name:
M /issm/trunk-jpl/externalpackages/emscripten/install.sh
Export determination: 6.
Rationale: CHG: Trying again to use latest version of Emscripten now that jenkins.sh has been modified (works locally, and appears to work manually by building on master node)

Change #861 with diff file ISSM-24282-24283.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.cpp
Export determination: 6.
Rationale: BUG: fixing leak in substepping

Change #862 with diff file ISSM-24283-24284.diff:
Function name:
M /issm/trunk-jpl/externalpackages/gmsh/install.sh
Export determination: 6.
Rationale: CHG: Cleanup; now pulling source from our external packages repo

Change #863 with diff file ISSM-24284-24285.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2002.m M /issm/trunk-jpl/test/NightlyRun/test2002.py

M /issm/trunk-jpl/test/NightlyRun/test2003.m M /issm/trunk-jpl/test/NightlyRun/test2003.py

M /issm/trunk-jpl/test/NightlyRun/test2010.m M /issm/trunk-jpl/test/NightlyRun/test2010.py

Export determination: 6.

Rationale: CHG: Zero-filled md.slr.hydro_rate

Change #864 with diff file ISSM-24285-24286.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/slr.py

Export determination: 6.

Rationale: BUG: Missing slr.hydro_rate field in Python version

Change #865 with diff file ISSM-24286-24287.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/slr.py

Export determination: 6.

Rationale: BUG: Missing slr.hydro_rate field in Python version

Change #866 with diff file ISSM-24287-24288.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/masstransport.py M /issm/trunk-jpl/src/m/classes/stressbalance.py

Export determination: 6.

Rationale: NEW: adding consistency check for py on pairing which is on Matlab indexes (*i*0)

Change #867 with diff file ISSM-24288-24289.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/masstransport.py M /issm/trunk-jpl/src/m/classes/stressbalance.py

Export determination: 6.

Rationale: BUG: fixing Basile's commit

Change #868 with diff file ISSM-24289-24290.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/masstransport.py
Export determination: 6.
Rationale: BUG: Missing numpy import

Change #869 with diff file ISSM-24290-24291.diff:
Function name:
M /issm/trunk-jpl/src/m/parameterization/setflowequation.py M /issm/trunk-jpl/src/m/plot/plot_BC.py M /issm/trunk-jpl/src/m/plot/plot_icefront.py
Export determination: 6.
Rationale: BUG:fixing setflowequation for FS

Change #870 with diff file ISSM-24291-24292.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/stressbalance.py
Export determination: 6.
Rationale: BUG: fixing python tests when vertex pairing is empty

Change #871 with diff file ISSM-24292-24293.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/masstransport.m M /issm/trunk-jpl/src/m/classes/masstransport.py
M /issm/trunk-jpl/src/m/classes/stressbalance.m M /issm/trunk-jpl/src/m/classes/stressbalance.py
Export determination: 6.
Rationale: CHG: Added check of stressbalance.vertex_pairing field to MATLAB

Change #872 with diff file ISSM-24293-24294.diff:
Function name:
M /issm/trunk-jpl/src/m/parameterization/setflowequation.py
Export determination: 6.
Rationale: BUG: fixing Basile s commit

Change #873 with diff file ISSM-24294-24295.diff:
Function name:

M /issm/trunk-jpl/src/m/exp/exp2shp.m
Export determination: 6.
Rationale: CHG: fixing exp2shp.m

Change #874 with diff file ISSM-24295-24296.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/javascript/io/javascriptio.h
Export determination: 6.
Rationale: BUG: Function signature needed to be updated here too

Change #875 with diff file ISSM-24296-24297.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive236.arch M /issm/trunk-jpl/test/Archives/Archive237.arch
M /issm/trunk-jpl/test/Archives/Archive238.arch M /issm/trunk-jpl/test/Archives/Archive239.arch
M /issm/trunk-jpl/test/Archives/Archive240.arch M /issm/trunk-jpl/test/NightlyRun/test236.py
M /issm/trunk-jpl/test/NightlyRun/test237.m M /issm/trunk-jpl/test/NightlyRun/test237.py
M /issm/trunk-jpl/test/NightlyRun/test238.m M /issm/trunk-jpl/test/NightlyRun/test238.py
M /issm/trunk-jpl/test/NightlyRun/test239.m M /issm/trunk-jpl/test/NightlyRun/test239.py
M /issm/trunk-jpl/test/NightlyRun/test240.m M /issm/trunk-jpl/test/NightlyRun/test240.py
Export determination: 6.
Rationale: CHG: removing monthly temperature from output

Change #876 with diff file ISSM-24297-24298.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test236.m
Export determination: 6.
Rationale: CHG: removing monthly temperature from output

Change #877 with diff file ISSM-24298-24299.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test236.m M /issm/trunk-jpl/test/NightlyRun/test236.py
M /issm/trunk-jpl/test/NightlyRun/test237.m M /issm/trunk-jpl/test/NightlyRun/test237.py
M /issm/trunk-jpl/test/NightlyRun/test238.m M /issm/trunk-jpl/test/NightlyRun/test238.py
M /issm/trunk-jpl/test/NightlyRun/test239.m M /issm/trunk-jpl/test/NightlyRun/test239.py
M /issm/trunk-jpl/test/NightlyRun/test240.m M /issm/trunk-jpl/test/NightlyRun/test240.py

Export determination: 6.
Rationale: CHG: removing monthly temperature from output

Change #878 with diff file ISSM-24299-24300.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive236.arch
Export determination: 6.
Rationale: CHG: removing monthly temperature from output

Change #879 with diff file ISSM-24300-24301.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_ross.ad M /issm/trunk-jpl/jenkins/linux64_ross_ampi
M /issm/trunk-jpl/jenkins/macosx_pine-island
Export determination: 6.
Rationale: CHG: Excluding test3010 from ADOL-C builds; minor change to macOS

Change #880 with diff file ISSM-24301-24302.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/javascript/io/FetchJavascriptData.cpp
Export determination: 6.
Rationale: BUG: Function signature

Change #881 with diff file ISSM-24302-24303.diff:
Function name:
M /issm/trunk-jpl/src/m/exp/clicktoflowline.m M /issm/trunk-jpl/src/m/exp/exptool.m
M /issm/trunk-jpl/src/m/exp/operation/addcontour.m M /issm/trunk-jpl/src/m/exp/operation/addendprofil
M /issm/trunk-jpl/src/m/exp/operation/addinsideprofile.m M /issm/trunk-jpl/src/m/exp/operation/addprofil
M /issm/trunk-jpl/src/m/exp/operation/closeprofile.m M /issm/trunk-jpl/src/m/exp/operation/cutarea.m
M /issm/trunk-jpl/src/m/exp/operation/cutprofile.m A /issm/trunk-jpl/src/m/exp/operation/exp_ginput.m
M /issm/trunk-jpl/src/m/exp/operation/mergeprofiles.m M /issm/trunk-jpl/src/m/exp/operation/modifyposi
A /issm/trunk-jpl/src/m/exp/operation/myginput.m M /issm/trunk-jpl/src/m/exp/operation/orientprofile.m
M /issm/trunk-jpl/src/m/exp/operation/removepoints.m M /issm/trunk-jpl/src/m/exp/operation/removepro
M /issm/trunk-jpl/src/m/exp/operation/removesveralpoints.m
Export determination: 6.

Rationale: CHG: significantly improved speed of exptool

Change #882 with diff file ISSM-24303-24304.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_ampi

Export determination: 6.

Rationale: CHG: Correcting test list

Change #883 with diff file ISSM-24304-24305.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_javascript M /issm/trunk-jpl/src/wrappers/BamgMesher/BamgMesher

M /issm/trunk-jpl/src/wrappers/BamgMesher/BamgMesher.js M /issm/trunk-

jpl/src/wrappers/javascript/io/FetchJavascriptData.cpp

Export determination: 6.

Rationale: BUG: Completed update to JavaScript wrappers; now successfully pulling and compiling with latest version of Emscripten (yay!)

Change #884 with diff file ISSM-24305-24306.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/calving.js M /issm/trunk-jpl/src/m/classes/calving.m

M /issm/trunk-jpl/src/m/classes/calving.py M /issm/trunk-jpl/src/m/classes/calvingcrevassedepth.m

M /issm/trunk-jpl/src/m/classes/calvingdev.py M /issm/trunk-jpl/src/m/classes/calvingdev2.m

M /issm/trunk-jpl/src/m/classes/calvinghab.m M /issm/trunk-jpl/src/m/classes/calvinglevermann.m

M /issm/trunk-jpl/src/m/classes/calvinglevermann.py M /issm/trunk-jpl/src/m/classes/calvingminthickness.m

M /issm/trunk-jpl/src/m/classes/calvingminthickness.py M /issm/trunk-jpl/src/m/classes/calvingvonmises.m

M /issm/trunk-jpl/src/m/classes/calvingvonmises.py

Export determination: 6.

Rationale: CHG: remove meltingrate in some classes