

JPL EXPORT ADMINISTRATION <i>DOCUMENT REVIEW RECORD</i>
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Log #: 26740-27031

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Program: ISSM: Ice Sheet System Model

Person Requesting or Initiating Export: Dr. Eric Larour

Date Received: 01-Jun-AM

Document Title/Description: ISSM changes from revision 26740 to revision 27031

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:** 01-Jun-AM

Disposition:

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Change #1 with diff file ISSM-26741-26742.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: update modules for toss3 upgrade

Change #2 with diff file ISSM-26743-26744.diff:

Function name:

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

Export determination: 6.

Rationale: merged trunk and trunk-jpl

Change #3 with diff file ISSM-26745-26746.diff:

Function name:

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

Export determination: 6.

Rationale: Block revision 26744 from being merged into trunk-jpl

Change #4 with diff file ISSM-26746-26747.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.

Rationale: CHG: new version of issm

Change #5 with diff file ISSM-26747-26748.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SamplingAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SamplingAnalysis.h
M /issm/trunk-jpl/src/c/cores/sampling_core.cpp M /issm/trunk-jpl/src/c/cores/transient_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/Enumjl.v
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/c/solutionsequences/soluti
M /issm/trunk-jpl/src/m/classes/sampling.m M /issm/trunk-jpl/test/Archives/Archive134.arch
M /issm/trunk-jpl/test/NightlyRun/test134.m

Export determination: 6.

Rationale: CGH:add spatially-varying tau and phi for sampling analysis

Change #6 with diff file ISSM-26748-26749.diff:

Function name:

M /issm/trunk-jpl/externalpackages/proj/install-8-static-with_tests.sh M /issm/trunk-jpl/externalpackages/proj/install-8-static.sh M /issm/trunk-jpl/externalpackages/proj/install-8-with_tests.sh

Export determination: 6.

Rationale: BUG: Corrected installation paths

Change #7 with diff file ISSM-26749-26750.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 #8 with diff file ISSM-26750-26751.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/modules/StochasticForcingx/Sto
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/Enumjl.v
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/stochasticforcin
M /issm/trunk-jpl/src/m/classes/stochasticforcing.py

Export determination: 6.
Rationale: NEW: added SMBforcing to stochasticforcingfields

Change #9 with diff file ISSM-26751-26752.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/FrontalForcingsx/FrontalForcingsx.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.cpp M /issm/trunk-jpl/src/m/classes/SMBautoregression.m M /issm/trunk-jpl/src/m/classes/SMBautoregression.py M /issm/trunk-jpl/src/m/classes/frontalforcingsrignotautoregression.m M /issm/trunk-jpl/src/m/classes/frontalforcingsrignotautoregression.py

Export determination: 6.

Rationale: CHG: modified number of spin-up steps for SMBautoregression and frontalforcingsrignotautoregression

Change #10 with diff file ISSM-26752-26753.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh A /issm/trunk-jpl/externalpackages/proj/install-6-static.sh (from /issm/trunk-jpl/externalpackages/proj/install-6.sh:26751) M /issm/trunk-jpl/externalpackages/proj/install-6.sh M /issm/trunk-jpl/externalpackages/proj/install-8-static-with_tests.sh M /issm/trunk-jpl/externalpackages/proj/install-8-static.sh M /issm/trunk-jpl/externalpackages/proj/install-8-with_tests.sh M /issm/trunk-jpl/externalpackages/proj/install-8.sh M /issm/trunk-jpl/jenkins/aws-amazon_linux-solid_earth M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-matlab M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-python M /issm/trunk-jpl/jenkins/pine_island-mac-full M /issm/trunk-jpl/jenkins/pine_island-mac-full-valgrind M /issm/trunk-jpl/jenkins/pine_island-mac-python A /issm/trunk-jpl/jenkins/pleiades-dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-matlab M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-python M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-full M /issm/trunk-jpl/jenkins/ross-debian_linux-full-valgrind M /issm/trunk-jpl/jenkins/ross-debian_linux-python M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth M /issm/trunk-jpl/jenkins/ross-win-msys2-mingw-msmpi-basic

Export determination: 6.

Rationale: BUG: Need to use PROJ 6

Change #11 with diff file ISSM-26753-26754.diff:

Function name:

M /issm/trunk-jpl/packagers/mac/commit_for_signing-issm-mac-binaries-matlab.sh

M /issm/trunk-jpl/package-mac/commit_for_signing-issm-mac-binaries-python.sh
M /issm/trunk-jpl/package-mac/package-issm-mac-binaries-matlab.sh M /issm/trunk-jpl/package-mac/package-issm-mac-binaries-python.sh M /issm/trunk-jpl/package-mac/sign-issm-mac-binaries-matlab.sh M /issm/trunk-jpl/package-mac/sign-issm-mac-binaries-python.sh M /issm/trunk-jpl/package-mac/transfer-issm-mac-binaries.sh
Export determination: 6.
Rationale: BUG: Working svn is again provided by macOS

Change #12 with diff file ISSM-26754-26755.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive257.arch M /issm/trunk-jpl/test/Archives/Archive543.arch

Export determination: 6.

Rationale: BUG: update archives for tests based on autoregression after build

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Change #13 with diff file ISSM-26755-26756.diff:

Function name:

M /issm/trunk-jpl/externalpackages/curl/install-7-linux-static.sh M /issm/trunk-jpl/externalpackages/curl/install-7-mac-static.sh M /issm/trunk-jpl/src/m/classes/hydrologytws.py

Export determination: 6.

Rationale: CHG: Need to disable certain packages in cURL for static builds;
syntax

Change #14 with diff file ISSM-26756-26757.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: add class of Dartmouth Discovery

Change #15 with diff file ISSM-26757-26758.diff:

Function name:

D /issm/trunk-jpl/externalpackages/proj/install-6 static.sh A /issm/trunk-jpl/externalpackages/proj/install-6-static.sh (from /issm/trunk-jpl/externalpackages/proj/install-6 static.sh:26756)

Export determination: 6.

Rationale: CHG: Rename

Change #16 with diff file ISSM-26758-26759.diff:

Function name:

M /issm/trunk-jpl/externalpackages/gmt/configs/6/static/linux/cmake/ConfigUser.static.cmake

M /issm/trunk-jpl/externalpackages/gmt/configs/6/static/mac/cmake/ConfigUser.static.cmake

Export determination: 6.

Rationale: BUG: PREFIX was not being picked up

Change #17 with diff file ISSM-26759-26760.diff:

Function name:

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

Export determination: 6.

Rationale: CHG:do not treat rift if 0 rifts present

Change #18 with diff file ISSM-26760-26761.diff:

Function name:

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

Export determination: 6.

Rationale: CHG:fixing formatting

Change #19 with diff file ISSM-26761-26762.diff:

Function name:

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

jpl/src/m/contrib/defleurian/netCDF/export_netCDF.py M /issm/trunk-jpl/src/m/io/loadvars.py

Export determination: 6.

Rationale: CHG:update of ma netCDF export and related changes

Change #20 with diff file ISSM-26762-26763.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh M /issm/trunk-jpl/package/linux/package-

issm-linux-binaries-matlab.sh M /issm/trunk-jpl/package/mac/commit_for_signing-

issm-mac-binaries-matlab.sh M /issm/trunk-jpl/package/mac/commit_for_signing-

issm-mac-binaries-python.sh M /issm/trunk-jpl/package/mac/complete-issm-

mac-binaries-matlab.sh M /issm/trunk-jpl/packagegers/mac/complete-issm-mac-binaries-python.sh M /issm/trunk-jpl/packagegers/mac/package-issm-mac-binaries-matlab.sh M /issm/trunk-jpl/packagegers/mac/sign-issm-mac-binaries-matlab.sh M /issm/trunk-jpl/packagegers/mac/sign-issm-mac-binaries-python.sh
Export determination: 6.
Rationale: CHG: Jenkins script was not catching MATLAB activation error; various updated to packaging scripts

Change #21 with diff file ISSM-26763-26764.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: Added timeout to Windows testing

Change #22 with diff file ISSM-26764-26765.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-win-msys2-mingw-msmpi-basic

Export determination: 6.

Rationale: CHG: Trying with one testing process to see if it is more stable

Change #23 with diff file ISSM-26765-26766.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-win-msys2-mingw-msmpi-basic M /issm/trunk-jpl/packagegers/mac/package-issm-mac-binaries-matlab.sh M /issm/trunk-jpl/packagegers/mac/package-issm-mac-binaries-python.sh M /issm/trunk-jpl/packagegers/mac/test-issm-mac-binaries-matlab.sh M /issm/trunk-jpl/packagegers/mac/test-issm-mac-binaries-python.sh

Export determination: 6.

Rationale: CHG: Corrected test suites for binaries; reverting to 2 processes for testing on Windows build

Change #24 with diff file ISSM-26766-26767.diff:

Function name:

M /issm/trunk-jpl/src/jl/core/analyses/stressbalanceanalysis.jl M /issm/trunk-jpl/src/jl/core/friction.jl M /issm/trunk-jpl/src/jl/issm.jl M /issm/trunk-jpl/src/jl/usr/classes.jl

Export determination: 6.

Rationale: NEW: added Weertman friction law

Change #25 with diff file ISSM-26767-26768.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: BUG: Timer for Windows build was broken

Change #26 with diff file ISSM-26768-26769.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: BUG: Timer for Windows build is broken

Change #27 with diff file ISSM-26769-26770.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: new toss does not have old mpt module

Change #28 with diff file ISSM-26770-26771.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: add libs for linking with mpi compilers

Change #29 with diff file ISSM-26771-26772.diff:

Function name:

A /issm/trunk-jpl/externalpackages/petsc/install-3.14-pleiades.sh

Export determination: 6.

Rationale: CHG: petsc install 3.14 on pfe with compiler update for toss3

Change #30 with diff file ISSM-26772-26773.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp
Export determination: 6.
Rationale: CHG: do not grow channels if floating (set S to 0)

Change #31 with diff file ISSM-26773-26774.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: Increasing time out for Windows build

Change #32 with diff file ISSM-26774-26775.diff:
Function name:
M /issm/trunk-jpl/etc/environment.csh
Export determination: 6.
Rationale: CHG: add dynlib path for gsl in csh, for dakota

Change #33 with diff file ISSM-26775-26776.diff:
Function name:
M /issm/trunk-jpl/externalpackages/dakota/configs/6.2/BuildDakotaCustom.cmake.pfe.patch
M /issm/trunk-jpl/externalpackages/dakota/configs/6.2/CMakeLists.txt.pfe.patch
M /issm/trunk-jpl/externalpackages/dakota/install-6.2-pleiades.sh
Export determination: 6.
Rationale: CHG: update dakota build for toss3 modules

Change #34 with diff file ISSM-26776-26777.diff:
Function name:
M /issm/trunk-jpl/externalpackages/dakota/install-6.2-discover.sh
Export determination: 6.
Rationale: CHG: fix link problems in dakota build for discover

Change #35 with diff file ISSM-26777-26778.diff:

Function name:
M /issm/trunk-jpl/src/c/modules/StochasticForcingx/StochasticForcingx.cpp M
/issm/trunk-jpl/test/Archives/Archive543.arch
Export determination: 6.
Rationale: CHG: allow for basal accretion in FloatingIce_MeltRate when using
StochasticForcing

Change #36 with diff file ISSM-26778-26779.diff:

Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: BUG: MATLAB command for Windows was removed accidentally;
reduced timeout

Change #37 with diff file ISSM-26779-26780.diff:

Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: BUG: Incorrect logfile path for Windows

Change #38 with diff file ISSM-26780-26781.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: allow for both MICI as in Crawford et al. and DeConto

Change #39 with diff file ISSM-26781-26782.diff:

Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: BUG: Testing Windows build with actual logfile argument to Win-
dows again (something is wrong with redirection)

Change #40 with diff file ISSM-26782-26783.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: BUG: Redirection fixed on Windows using tee

Change #41 with diff file ISSM-26783-26784.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test233.js M /issm/trunk-jpl/test/NightlyRun/test233.m

M /issm/trunk-jpl/test/NightlyRun/test233.py

Export determination: 6.

Rationale: CHG: Eased field tolerances

Change #42 with diff file ISSM-26784-26785.diff:

Function name:

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/modules/Calvingx/Calvingx.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/Enumjl.vim M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeC

Export determination: 6.

Rationale: CHG: added new fake calving law that is proportional to ice speed

Change #43 with diff file ISSM-26785-26786.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: BUG: Added clarification about need to handle Windows MATLAB processes differently than *nix

Change #44 with diff file ISSM-26786-26787.diff:

Function name:

M /issm/trunk-jpl/src/m/exp/exptool.m

Export determination: 6.

Rationale: CHG: disable built-in interactions for the specified axes, so annoying

Change #45 with diff file ISSM-26787-26788.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removed extraneous lines

Change #46 with diff file ISSM-26788-26789.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing RealReveseIndex type in CoDiPack

Change #47 with diff file ISSM-26789-26790.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/shared/Enum/Enum.vim

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/Enumjl.vim

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

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

Export determination: 6.

Rationale: BUG: fixed spatiallinearbasalforcings() class and added parameters
for UpperWaterMeltRate and PerturbationMeltRate

Change #48 with diff file ISSM-26790-26791.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.m M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.p

Export determination: 6.

Rationale: CHG: added scaling of outputs of the spatiallinearbasalforcings class

Change #49 with diff file ISSM-26791-26792.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: CHG: updated Enums

Change #50 with diff file ISSM-26792-26793.diff:

Function name:

M /issm/trunk-jpl/src/m/exp/contourlevelzero.m

Export determination: 6.

Rationale: CHG: added handy output for contourlevelzero

Change #51 with diff file ISSM-26793-26794.diff:

Function name:

M /issm/trunk-jpl/src/m/exp/operation/exp_ginput.m

Export determination: 6.

Rationale: CHG: cosmetics

Change #52 with diff file ISSM-26794-26795.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: handle P1xP2 case

Change #53 with diff file ISSM-26795-26796.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: zero N and sheet thickness on floating ice

Change #54 with diff file ISSM-26796-26797.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: changing the order of steps when setting up N to 0

Change #55 with diff file ISSM-26797-26798.diff:

Function name:

M /issm/trunk-jpl/src/m/consistency/comparemodels.m

Export determination: 6.

Rationale: CHG: fixing model compare for 2d arrays

Change #56 with diff file ISSM-26798-26799.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed problem with transient threshold in von mises calving

Change #57 with diff file ISSM-26799-26800.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: changed size of stress threshold to universal to all all cases

Change #58 with diff file ISSM-26800-26801.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyTwsAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LoveAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SealevelchangeAnalysis.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/classes/GrdLoads.cpp M /issm/trunk-jpl/src/c/classes/GrdLoads.h
M /issm/trunk-jpl/src/c/classes/SealevelGeometry.cpp M /issm/trunk-jpl/src/c/classes/SealevelGeometry.h
M /issm/trunk-jpl/src/c/cores/love_core.cpp M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessor/CreateParameters.cpp M /issm/trunk-jpl/src/c/modules/modules.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/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/Enumjl.vim M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.c
M /issm/trunk-jpl/src/m/classes/fourierlove.m M /issm/trunk-jpl/src/m/classes/hydrologyshreve.m

M /issm/trunk-jpl/src/m/classes/hydrologytw.m M /issm/trunk-jpl/src/m/classes/lovenumbers.m
M /issm/trunk-jpl/src/m/classes/materials.m A /issm/trunk-jpl/test/Data/SpadaBenchmark
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-1 A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-
1/spec.T11_RR.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-1/spec.T11_VB.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-1/spec.T11_VB.new A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T1-1/spec.T11_ZM_R.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-
2 A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/BL-Uppsala_parabolic.u.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/GS-disp_t0_cap.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T1-2/GS-disp_t0_d1_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/
2/GS-disp_t1000_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/GS-
disp_t10_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/GS-disp_t10_d1_cap.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/GS-disp_t1_cap.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T1-2/GS-disp_t1_d1_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/
2/GS-disp_t2_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/GS-
disp_t2_d1_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/GS-disp_t5_cap.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/GS-disp_t5_d1_cap.dat A
/issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/GS-disp_tinf_cap.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T1-2/GS-disp_tinf_d1_cap.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T1-2/PG-u-pa-para-FE-REV.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T1-2/VK-e2costg1.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-
2/VK-u2costg1.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/VK-
v2costg1.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/VK_e2cost.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/VK_e2costg.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T1-2/VK_u2cost.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-
2/VK_u2costg.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/VK_v2cost.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-2/VK_v2costg.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T1-2/ZM-Table_10_1y.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-
2/disp-gs-cap-FECOMP-t0.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-
2/disp-gs-cap-FECOMP-t1.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-
2/disp-gs-cap-FECOMP-t10.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-
2/disp-gs-cap-FECOMP-t2.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-
2/disp-gs-cap-FECOMP-t20.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-
2/disp-gs-cap-FECOMP-t5.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T1-
2/disp-gs-cap-FECOMP-t50.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-
1 A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-1/Elastic-Fluid-T21-ZM.txt
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-1/h.L.T21_GS.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T2-1/h.L.T21_RR.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-
1/h.L.T21_VB.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-1/h.L.T21_VB.new
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-1/h.L.T21_ZM.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T2-1/k-deg2-L-T21_ZM.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/
1/k.L.T21_GS.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-1/k.L.T21_RR.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-1/k.L.T21_VB.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T2-1/k.L.T21_VB.new A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-
1/k.L.T21_ZM.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-1/l.L.T21_GS.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-1/l.L.T21_RR.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T2-1/l.L.T21_VB.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-

1/l.L_T21_VB.new A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-1/l.L_T21_ZM.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2 A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-
2/BL-Uppsala_parabolic_dudt.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-
2/GS-rate_t0_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/GS-
rate_t0_d1_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/GS-rate_t1000_cap.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/GS-rate_t10_cap.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T2-2/GS-rate_t10_d1_cap.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T2-2/GS-rate_t1_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-
2/GS-rate_t1_d1_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/GS-
rate_t2_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/GS-rate_t2_d1_cap.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/GS-rate_t5_cap.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T2-2/GS-rate_t5_d1_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-
2/GS-rate_tinf_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/GS-
rate_tinf_d1_cap.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/PG-
dudt-para-FE-REV.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/VK-
edt2costg1.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/VK-udt2costg1.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/VK-vdt2costg1.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T2-2/VK_edt2cost.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-
2/VK_edt2costg.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/VK_udt2cost.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/VK_udt2costg.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T2-2/VK_vdt2cost.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-
2/VK_vdt2costg.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/rate-
gs-cap-FECOMP-t0.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/rate-
gs-cap-FECOMP-t1.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/rate-
gs-cap-FECOMP-t10.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/rate-
gs-cap-FECOMP-t2.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/rate-
gs-cap-FECOMP-t20.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/rate-
gs-cap-FECOMP-t5.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T2-2/rate-
gs-cap-FECOMP-t50.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T3-1
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T3-1/h.T_T31_GS.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T3-1/h.T_T31_RR.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T3-
1/h.T_T31_VB.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T3-1/h.T_T31_VB.new
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T3-1/k-deg2-T-T31_ZM.txt A
/issm/trunk-jpl/test/Data/SpadaBenchmark/T3-1/k.T_T31_GS.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T3-1/k.T_T31_RR.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T3-
1/k.T_T31_VB.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T3-1/k.T_T31_VB.new
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T3-1/l.T_T31_GS.dat A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T3-1/l.T_T31_RR.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T3-
1/l.T_T31_VB.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T3-1/l.T_T31_VB.new
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T4-1 A /issm/trunk-jpl/test/Data/SpadaBenchmark/T4-
1/GS-T41-ncw.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T4-1/GS-T41-
vs96-ncw.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T4-1/GS-T41-vs96-
ycw.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T4-1/GS-T41-ycw.dat
A /issm/trunk-jpl/test/Data/SpadaBenchmark/T4-1/VB-T41-ncw.txt A /issm/trunk-
jpl/test/Data/SpadaBenchmark/T4-1/VB-T41-ycw.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T5-
1 A /issm/trunk-jpl/test/Data/SpadaBenchmark/T5-1/bench366 A /issm/trunk-

jpl/test/Data/SpadaBenchmark/T5-1/h-GSA-T51-d002d009.txt A /issm/trunk-
 jpl/test/Data/SpadaBenchmark/T5-1/h-GSA-T51-d012d096.txt A /issm/trunk-
 jpl/test/Data/SpadaBenchmark/T5-1/h-GSA-T51-d128d254.txt A /issm/trunk-
 jpl/test/Data/SpadaBenchmark/T5-1/h_L_T51_GS.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T5-
 1/h_L_T51_VK.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T5-1/k-GSA-
 T51-d002d009.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T5-1/k-GSA-
 T51-d012d096.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T5-1/k-GSA-
 T51-d128d254.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T5-1/k_L_T51_GS.dat
 A /issm/trunk-jpl/test/Data/SpadaBenchmark/T5-1/k_L_T51_VK.dat A /issm/trunk-
 jpl/test/Data/SpadaBenchmark/T5-1/l-GSA-T51-d002d009.txt A /issm/trunk-
 jpl/test/Data/SpadaBenchmark/T5-1/l-GSA-T51-d012d096.txt A /issm/trunk-
 jpl/test/Data/SpadaBenchmark/T5-1/l-GSA-T51-d128d254.txt A /issm/trunk-
 jpl/test/Data/SpadaBenchmark/T5-1/l_L_T51_GS.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T5-
 1/l_L_T51_VK.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1 A /issm/trunk-
 jpl/test/Data/SpadaBenchmark/T6-1/T06-01-RR.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-
 1/T06-02-RR.h.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/T06-
 02-RR.k.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/T06-02-RR.l.dat
 A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/VK-T61-M3-VSCAb-LLN-
 h.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/VK-T61-M3-VSCAb-
 LLN-k.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/VK-T61-M3-
 VSCAb-LLN-l.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/h-GSA-
 T61-d002d009.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/h-GSA-
 T61-d012d096.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/h-GSA-
 T61-d128d254.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/k-GSA-
 T61-d002d009.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/k-GSA-
 T61-d012d096.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/k-GSA-
 T61-d128d254.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/l-GSA-
 T61-d002d009.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/l-GSA-
 T61-d012d096.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T6-1/l-GSA-
 T61-d128d254.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T7-1 A /issm/trunk-
 jpl/test/Data/SpadaBenchmark/T7-1/GSA-h-alma-deg1.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/
 1/GSA-l-alma-deg1.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T7-1/T01-
 01.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T7-1/T01-02.h.dat A /issm/trunk-
 jpl/test/Data/SpadaBenchmark/T7-1/T01-02.l.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T7-
 1/VB-M3-L70-V01.t01-07.txt A /issm/trunk-jpl/test/Data/SpadaBenchmark/T7-
 1/VK-I106-M3-L70-V01-f1-LLN-h.dat A /issm/trunk-jpl/test/Data/SpadaBenchmark/T7-
 1/VK-I106-M3-L70-V01-f1-LLN-l.dat M /issm/trunk-jpl/test/Data/lmb.temporal.mat
 A /issm/trunk-jpl/test/Data/spada.mat A /issm/trunk-jpl/test/Data/spada.n1.mat
 M /issm/trunk-jpl/test/NightlyRun/test2002.m M /issm/trunk-jpl/test/NightlyRun/test2003.m
 M /issm/trunk-jpl/test/NightlyRun/test2004.m M /issm/trunk-jpl/test/NightlyRun/test2007.m
 M /issm/trunk-jpl/test/NightlyRun/test2008.m M /issm/trunk-jpl/test/NightlyRun/test2010.m
 A /issm/trunk-jpl/test/NightlyRun/test2012.m A /issm/trunk-jpl/test/NightlyRun/test2013.m
 M /issm/trunk-jpl/test/NightlyRun/test2051.m A /issm/trunk-jpl/test/NightlyRun/test2070.m
 A /issm/trunk-jpl/test/NightlyRun/test2071.m A /issm/trunk-jpl/test/NightlyRun/test2072.m
 M /issm/trunk-jpl/test/NightlyRun/test2084.m M /issm/trunk-jpl/test/NightlyRun/test2085.m
 M /issm/trunk-jpl/test/NightlyRun/test2090.m A /issm/trunk-jpl/test/NightlyRun/test2091.m

A /issm/trunk-jpl/test/NightlyRun/test2092.m M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.par
Export determination: 6.

Rationale: BUG: Sealevelchange core: load weights did not add up correctly;
BUG: Sealevel change core viscous stacks were offset in time; partial load area
phi was double counted, appearing both in Green functions and loads; NEW:
love core optimization, paralelization supported, support for viscous rotational
feedback; NEW:Sea level change core: support for viscous rotational feedback;
CHG: grd loads now contain the average kg.m^{-2} over the (sub-)elemental area
they apply in, not the average*phi, phi is simply accounted for in the loadarea
or Green's function; NEW: nightly runs 2070, 2071, 2072, 2091, 2092 test Spada
et al (2011) benchmark cases

Change #59 with diff file ISSM-26801-26802.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: add extra lib to flags for intel pfe

Change #60 with diff file ISSM-26802-26803.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Temporarily removing include

Change #61 with diff file ISSM-26803-26804.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.15-pleiades.sh

Export determination: 6.

Rationale: CHG: update 3.15 install for toss3 modules

Change #62 with diff file ISSM-26804-26805.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/m/classes/calvingvonmises.py

Export determination: 6.

Rationale: BUG: Better check on macOS version; yts was not defined in mar-

shall method

Change #63 with diff file ISSM-26805-26806.diff:

Function name:

M /issm/trunk-jpl/externalpackages/autotools/install-linux.sh M /issm/trunk-jpl/externalpackages/autotools/install-mac.sh M /issm/trunk-jpl/externalpackages/autotools/install-win.sh M /issm/trunk-jpl/test/NightlyRun/test2070.m

Export determination: 6.

Rationale: BUG: Updated libtool version; syntax

Change #64 with diff file ISSM-26806-26807.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive2013.arch A /issm/trunk-jpl/test/Archives/Archive2071.arch
A /issm/trunk-jpl/test/Archives/Archive2072.arch A /issm/trunk-jpl/test/Archives/Archive2092.arch

Export determination: 6.

Rationale: ADD: Missing archives

Change #65 with diff file ISSM-26807-26808.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive2070.arch M /issm/trunk-jpl/test/NightlyRun/test2071.m
M /issm/trunk-jpl/test/NightlyRun/test2072.m

Export determination: 6.

Rationale: BUG: Missing archive; eased tolerances

Change #66 with diff file ISSM-26808-26809.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Corrected conditionals

Change #67 with diff file ISSM-26809-26810.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2002.arch M /issm/trunk-jpl/test/Archives/Archive2003.arch

M /issm/trunk-jpl/test/Archives/Archive2005.arch M /issm/trunk-jpl/test/Archives/Archive2007.arch
M /issm/trunk-jpl/test/Archives/Archive2008.arch M /issm/trunk-jpl/test/Archives/Archive2010.arch
M /issm/trunk-jpl/test/Archives/Archive2011.arch M /issm/trunk-jpl/test/Archives/Archive2021.arch
M /issm/trunk-jpl/test/Archives/Archive2090.arch M /issm/trunk-jpl/test/Archives/Archive2101.arch
M /issm/trunk-jpl/test/NightlyRun/test2002.m M /issm/trunk-jpl/test/NightlyRun/test2003.m
M /issm/trunk-jpl/test/NightlyRun/test2005.m M /issm/trunk-jpl/test/NightlyRun/test2006.m
M /issm/trunk-jpl/test/NightlyRun/test2007.m M /issm/trunk-jpl/test/NightlyRun/test2008.m
M /issm/trunk-jpl/test/NightlyRun/test2010.m M /issm/trunk-jpl/test/NightlyRun/test2011.m
M /issm/trunk-jpl/test/NightlyRun/test2012.m M /issm/trunk-jpl/test/NightlyRun/test2013.m
M /issm/trunk-jpl/test/NightlyRun/test2021.m M /issm/trunk-jpl/test/NightlyRun/test2090.m
M /issm/trunk-jpl/test/NightlyRun/test2101.m
Export determination: 6.
Rationale: CHG: Reverted to precomputed mesh

Change #68 with diff file ISSM-26810-26811.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/modules/ModelProcessorx/CreateParameters.cpp M
/issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/SurfaceMassBalancex.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/Enumjl.v
M /issm/trunk-jpl/src/m/classes/SMBautoregression.m M /issm/trunk-jpl/src/m/classes/SMBautoregression.
M /issm/trunk-jpl/test/Archives/Archive257.arch M /issm/trunk-jpl/test/NightlyRun/test257.m
M /issm/trunk-jpl/test/NightlyRun/test257.py

Export determination: 6.

Rationale: NEW: added SMB lapse rate computation per basin to SMBautoregression

Change #69 with diff file ISSM-26811-26812.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing Python syntax wrt revision 26810

Change #70 with diff file ISSM-26812-26813.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing Python syntax wrt revision 26810

Change #71 with diff file ISSM-26813-26814.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing Python syntax wrt revision 26810

Change #72 with diff file ISSM-26814-26815.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #73 with diff file ISSM-26815-26816.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-solid_earth M /issm/trunk-jpl/jenkins/pine_island-mac-solid_earth-lambert

Export determination: 6.

Rationale: CHG: Excluding test 2091 because of resource starvation

Change #74 with diff file ISSM-26816-26817.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: working on Python syntax wrt revision 26810

Change #75 with diff file ISSM-26817-26818.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: BUG: Reverting position of error log checks so that test failures are parsed correctly

Change #76 with diff file ISSM-26818-26819.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/SMBautoregression.py
Export determination: 6.
Rationale: BUG: working on Python syntax wrt revision 26810

Change #77 with diff file ISSM-26819-26820.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test2091.m
Export determination: 6.
Rationale: CHG: lowered mesh resolution of test2091

Change #78 with diff file ISSM-26820-26821.diff:
Function name:
M /issm/trunk-jpl/jenkins/pine_island-mac-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth
Export determination: 6.
Rationale: CHG: Enabling more SE tests

Change #79 with diff file ISSM-26821-26822.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/SMBautoregression.py
Export determination: 6.
Rationale: BUG: working on Python syntax wrt revision 26810

Change #80 with diff file ISSM-26822-26823.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive2013.arch
Export determination: 6.
Rationale: CHG: Updated archive

Change #81 with diff file ISSM-26823-26824.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-solid_earth M /issm/trunk-jpl/jenkins/pine_island-mac-solid_earth-lambert M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth
M /issm/trunk-jpl/test/Archives/Archive2084.arch

Export determination: 6.

Rationale: CHG: Updated archive; modified test suites

Change #82 with diff file ISSM-26824-26825.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive2091.arch

Export determination: 6.

Rationale: CHG: One more missing archive (sorry!)

Change #83 with diff file ISSM-26825-26826.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/modules/StochasticForcingx/StochasticForcingx.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/Enumjl.v M /issm/trunk-jpl/src/m/classes/stochasticforcing.m M /issm/trunk-jpl/src/m/classes/stochasticforcing.py

Export determination: 6.

Rationale: CHG: added stochasticity to DeepwaterMeltingRate of spatiallinear-basalforcings

Change #84 with diff file ISSM-26826-26827.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/cores/groundingline_core.cpp
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/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/Enumjl.vim M /issm/trunk-jpl/src/m/classes/groundingline.m
M /issm/trunk-jpl/src/m/classes/groundingline.py

Export determination: 6.

Rationale: CHG: added requested_outputs to groundingline class

Change #85 with diff file ISSM-26827-26828.diff:

Function name:

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Transient/UpdateParametersTransient.cpp

Export determination: 6.

Rationale: BUG: forgot to commit cpp file in revision 26826

Change #86 with diff file ISSM-26828-26829.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying m-¿py

Change #87 with diff file ISSM-26829-26830.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.

Rationale: CHG: changed ISSM's name

Change #88 with diff file ISSM-26830-26831.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/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

Export determination: 6.

Rationale: CHG: added sigmavm for Julia

Change #89 with diff file ISSM-26831-26832.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added necessary fields for refine to work

Change #90 with diff file ISSM-26832-26833.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp M /issm/trunk-jpl/src/m/classes/SMBautoregression.m M /issm/trunk-jpl/src/m/classes/SMBautoregression.py M /issm/trunk-jpl/src/m/classes/frontalforcingsrignotautoregression.m M /issm/trunk-jpl/src/m/classes/frontalforcingsrignotautoregression.py

Export determination: 6.

Rationale: CHG: change IO code of SMBautoregression and frontalforcingsrignotautoregression

Change #91 with diff file ISSM-26833-26834.diff:

Function name:

M /issm/trunk-jpl/src/jl/core/analyses/masstransportanalysis.jl M /issm/trunk-jpl/src/jl/core/analyses/stressbalanceanalysis.jl M /issm/trunk-jpl/src/jl/core/analyses/transientanalysis.jl M /issm/trunk-jpl/src/jl/core/elements.jl M /issm/trunk-jpl/src/jl/core/friction.jl M /issm/trunk-jpl/src/jl/core/modules.jl M /issm/trunk-jpl/src/jl/core/parameters.jl

Export determination: 6.

Rationale: CHG: speeding up FindParam by specifying data type

Change #92 with diff file ISSM-26834-26835.diff:

Function name:

M /issm/trunk-jpl/src/jl/core/analyses/transientanalysis.jl

Export determination: 6.

Rationale: CHG: minor log

Change #93 with diff file ISSM-26835-26836.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: update default modules for pfe

Change #94 with diff file ISSM-26836-26837.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/Element.h M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRatex/FloatingIceMeltingRatex.cpp

M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRate/FloatingIceMeltingRate.h
M /issm/trunk-jpl/src/c/modules/ModelProcessor/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/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/Enumjl.v
M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp A /issm/trunk-
jpl/src/m/classes/autoregressionlinearbasalforcings.m A /issm/trunk-jpl/src/m/classes/autoregressionlinearba
Export determination: 6.
Rationale: NEW: added class autoregressionlinearbasalforcings

Change #95 with diff file ISSM-26837-26838.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-
jpl/src/c/modules/StochasticForcing/StochasticForcing.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/Enumjl.v
M /issm/trunk-jpl/src/m/classes/stochasticforcing.m M /issm/trunk-jpl/src/m/classes/stochasticforcing.py
A /issm/trunk-jpl/test/NightlyRun/test544.m A /issm/trunk-jpl/test/NightlyRun/test544.py
Export determination: 6.
Rationale: NEW: added stochasticforcing for autoregressionlinearbasalforcings

Change #96 with diff file ISSM-26838-26839.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp
Export determination: 6.
Rationale: BUG: forgot StringToEnumx.cpp in previous commit

Change #97 with diff file ISSM-26839-26840.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive544.arch
Export determination: 6.
Rationale: BUG: forgot to add Archives of test544

Change #98 with diff file ISSM-26840-26841.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/fourierlove.m 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/hydrologytw.py
M /issm/trunk-jpl/src/m/classes/lovenumbers.py M /issm/trunk-jpl/src/m/classes/materials.py
M /issm/trunk-jpl/src/m/classes/results.py M /issm/trunk-jpl/src/m/classes/solidearthsettings.py
M /issm/trunk-jpl/test/Archives/Archive2051.arch M /issm/trunk-jpl/test/Archives/Archive2085.arch
M /issm/trunk-jpl/test/NightlyRun/test2002.py M /issm/trunk-jpl/test/NightlyRun/test2004.py
M /issm/trunk-jpl/test/NightlyRun/test2010.m M /issm/trunk-jpl/test/NightlyRun/test2010.py
M /issm/trunk-jpl/test/NightlyRun/test2051.m M /issm/trunk-jpl/test/NightlyRun/test2051.py
M /issm/trunk-jpl/test/NightlyRun/test2084.py M /issm/trunk-jpl/test/NightlyRun/test2085.m
M /issm/trunk-jpl/test/NightlyRun/test2085.py M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.py
Export determination: 6.
Rationale: CHG: MATLAB -i Python for SE modules and tests; clean up

Change #99 with diff file ISSM-26841-26842.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/geometry.py
Export determination: 6.
Rationale: BUG: Check if self.thickness is scalar

Change #100 with diff file ISSM-26842-26843.diff:

Function name:
M /issm/trunk-jpl/test/Archives/Archive2002.arch M /issm/trunk-jpl/test/Archives/Archive2003.arch
M /issm/trunk-jpl/test/Archives/Archive2005.arch M /issm/trunk-jpl/test/Archives/Archive2010.arch
M /issm/trunk-jpl/test/Archives/Archive2101.arch M /issm/trunk-jpl/test/Data/SlcTestMesh.mat
A /issm/trunk-jpl/test/Data/SlcTestMesh.pkl M /issm/trunk-jpl/test/NightlyRun/test2002.m
M /issm/trunk-jpl/test/NightlyRun/test2002.py M /issm/trunk-jpl/test/NightlyRun/test2003.py
M /issm/trunk-jpl/test/NightlyRun/test2005.py M /issm/trunk-jpl/test/NightlyRun/test2006.py
M /issm/trunk-jpl/test/NightlyRun/test2010.py M /issm/trunk-jpl/test/NightlyRun/test2101.py
Export determination: 6.
Rationale: CHG: Precomputed Gmsh mesh for Python SE tests written out to
Pickle file; updated precomputed mesh for MATLAB; updated corresponding
archives again from Linux machine

Change #101 with diff file ISSM-26843-26844.diff:

Function name:
M /issm/trunk-jpl/test/Archives/Archive2008.arch M /issm/trunk-jpl/test/Archives/Archive2011.arch
M /issm/trunk-jpl/test/Archives/Archive2013.arch M /issm/trunk-jpl/test/Archives/Archive2021.arch
M /issm/trunk-jpl/test/Archives/Archive2090.arch
Export determination: 6.

Rationale: CHG: More updated archives for SE tests with new precomputed mesh

Change #102 with diff file ISSM-26844-26845.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive2007.arch
Export determination: 6.
Rationale: CHG: One more updated archive for SE tests

Change #103 with diff file ISSM-26845-26846.diff:
Function name:
D /issm/trunk-jpl/src/jl
Export determination: 6.
Rationale: CHG: removing Julia code from ISSM to avoid copyright issues

Change #104 with diff file ISSM-26846-26847.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test2011.m
Export determination: 6.
Rationale: CHG: Need to round bsic and computed bsic before subtraction due to differences on macOS vs Linux

Change #105 with diff file ISSM-26847-26848.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive2011.arch M /issm/trunk-jpl/test/NightlyRun/test2011.m
Export determination: 6.
Rationale: CHG: Need to round bsic and computed bsic before subtraction due to differences on macOS vs Linux

Change #106 with diff file ISSM-26848-26849.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/stochasticforcing.m
Export determination: 6.

Rationale: BUG: changing stochasticforcing.m for compliance with MatlabR2018a

Change #107 with diff file ISSM-26849-26850.diff:

Function name:

M /issm/trunk-jpl/src/m/exp/contourlevelzero.m M /issm/trunk-jpl/src/m/exp/expcontourlevelzero.m

A /issm/trunk-jpl/src/m/exp/isoline.m

Export determination: 6.

Rationale: CHG: merging levelzero functions into isoline

Change #108 with diff file ISSM-26850-26851.diff:

Function name:

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

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

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/io/Marshalling/Io

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

Export determination: 6.

Rationale: NEW: added a fake calving law using linear and nonlinear parameterization

Change #109 with diff file ISSM-26851-26852.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added computecanada.m

Change #110 with diff file ISSM-26852-26853.diff:

Function name:

M /issm/trunk-jpl/src/m/parameterization/reinitializelevelset.m

Export determination: 6.

Rationale: BUG: use isoline for reinitialize levelset function

Change #111 with diff file ISSM-26853-26854.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: CHanges to have conformity in hostnames with matlab

Change #112 with diff file ISSM-26854-26855.diff:

Function name:

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

Export determination: 6.

Rationale: CHG:new Saga modules

Change #113 with diff file ISSM-26855-26856.diff:

Function name:

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

Export determination: 6.

Rationale: CHG:avoid fail in case of no stochastic forcing

Change #114 with diff file ISSM-26856-26857.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: syntax fixes

Change #115 with diff file ISSM-26857-26858.diff:

Function name:

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

jpl/src/m/contrib/defleurian/netCDF/export_netCDF.py M /issm/trunk-jpl/src/m/io/loadmodel.py

M /issm/trunk-jpl/src/m/io/loadvars.py M /issm/trunk-jpl/test/NightlyRun/runme.m

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

Export determination: 6.

Rationale: NEW: export netcdf from matlab and associated nightly testing procedure

Change #116 with diff file ISSM-26858-26859.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:export netcdf Fixes

Change #117 with diff file ISSM-26859-26860.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/modules/StochasticForcingx/StochasticForcingx.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/Enumjl.v M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/stochasticforcing M /issm/trunk-jpl/src/m/classes/stochasticforcing.py M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata

Export determination: 6.

Rationale: NEW: added user-defined timestep for stochasticity in stochasticfor-
ings

Change #118 with diff file ISSM-26860-26861.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpBedmachineGreenland.m

Export determination: 6.

Rationale: CHG: accidentally included interpBedmachineGreenland.m in pre-
vious commit. Reverting to original version.

Change #119 with diff file ISSM-26861-26862.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/meshconvert.m

Export determination: 6.

Rationale: CHG: adding connectivity to MeshConvert

Change #120 with diff file ISSM-26862-26863.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpRignotIceShelfMelt.m

Export determination: 6.
Rationale: CHG: adding totten case

Change #121 with diff file ISSM-26863-26864.diff:
Function name:
D /issm/trunk-jpl/test/MITgcm/input_4003/data_uncoupled M /issm/trunk-jpl/test/NightlyRun/test4003.m
Export determination: 6.
Rationale: D test/MITgcm/input_4003/data_uncoupled M test/NightlyRun/test4003.m

Change #122 with diff file ISSM-26864-26865.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: updated copyright dates

Change #123 with diff file ISSM-26865-26866.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_transient_movie.m
Export determination: 6.
Rationale: NEW: added grounding line and icefront option to plot_transient_movie, and better handle output

Change #124 with diff file ISSM-26866-26867.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp
Export determination: 6.
Rationale: CHG: cosmetics

Change #125 with diff file ISSM-26867-26868.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/io/Marshalling/Marshalling.cpp
Export determination: 6.

Rationale: CHG: we should not check all NaNs, some are there on purpose

Change #126 with diff file ISSM-26868-26869.diff:

Function name:

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

M /issm/trunk-jpl/src/c/datastructures/DataSet.cpp

Export determination: 6.

Rationale: CHG: added support for marshalling Cfsurfacelogvel

Change #127 with diff file ISSM-26869-26870.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/larour/mdanalysis.m M /issm/trunk-jpl/src/m/exp/isoline.m

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

Export determination: 6.

Rationale: CHG: Updated calls to isoline

Change #128 with diff file ISSM-26870-26871.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/inversion.py M /issm/trunk-jpl/src/m/inversions/marshallcostfunctions.py

Export determination: 6.

Rationale: CHG: catching the case where a single costfunction is given as integer and not list

Change #129 with diff file ISSM-26871-26872.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/export_netCDF.m 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/io/loadvars.py

Export determination: 6.

Rationale: CHG: improving netcdf io

Change #130 with diff file ISSM-26872-26873.diff:

Function name:

M /issm/trunk-jpl/src/m/io/loadmodel.py M /issm/trunk-jpl/src/m/io/loadvars.py
Export determination: 6.
Rationale: NEW: adding capacity to load only one result field for all times from
nc

Change #131 with diff file ISSM-26873-26874.diff:
Function name:
M /issm/trunk-jpl/src/m/inversions/marshallcostfunctions.py
Export determination: 6.
Rationale: BUG:Syntax error

Change #132 with diff file ISSM-26874-26875.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/Synchronize.sh
Export determination: 6.
Rationale: CHG: adding issmenums.jl for dJUICE

Change #133 with diff file ISSM-26875-26876.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: simplifying calving rate

Change #134 with diff file ISSM-26876-26877.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: simplifying calving

Change #135 with diff file ISSM-26877-26878.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: simplifying calving parameterization

Change #136 with diff file ISSM-26878-26879.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing missing input

Change #137 with diff file ISSM-26879-26880.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed bad input, had to load averaged velocities for calving

Change #138 with diff file ISSM-26880-26881.diff:

Function name:

M /issm/trunk-jpl/examples/SlrGRACE/runme.m M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/love_

M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/lovenb_sub.f90 D /issm/trunk-

jpl/test/Data/SpadaBenchmark D /issm/trunk-jpl/test/Data/spada.mat D /issm/trunk-

jpl/test/Data/spada_n1.mat M /issm/trunk-jpl/test/NightlyRun/test2071.m M

/issm/trunk-jpl/test/NightlyRun/test2092.m

Export determination: 6.

Rationale: DEL: Spada benchmark files for solid earth tests

Change #139 with diff file ISSM-26881-26882.diff:

Function name:

M /issm/trunk-jpl/examples/SlrGRACE/runme.m M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/love_

M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/lovenb_sub.f90 M /issm/trunk-

jpl/test/NightlyRun/test2071.m M /issm/trunk-jpl/test/NightlyRun/test2084.m

M /issm/trunk-jpl/test/NightlyRun/test2084.py M /issm/trunk-jpl/test/NightlyRun/test2092.m

Export determination: 6.

Rationale: CHG: Reverting unintended commit; adjusting test2084 to avoid resource starvation

Change #140 with diff file ISSM-26882-26883.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/code_4003/shelfice_step_icemass.F M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt A /issm/trunk-jpl/test/MITgcm/tools/lookat_4003.m

Export determination: 6.

Rationale: M MITgcm/code_4003/shelfice_step_icemass.F M MITgcm/coupling_rules.txt
A MITgcm/tools/lookat_4003.m

Change #141 with diff file ISSM-26883-26884.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2084.arch

Export determination: 6.

Rationale: CHG: Updated archive

Change #142 with diff file ISSM-26884-26885.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2071.m M /issm/trunk-jpl/test/NightlyRun/test2091.m

Export determination: 6.

Rationale: BUG: tests 2071 and 2091 crashing without spada benchmark data

Change #143 with diff file ISSM-26885-26886.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh A /issm/trunk-jpl/jenkins/ross-debian_linux-full-mplapack M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/Makefile.am
M /issm/trunk-jpl/src/c/cores/love_core.cpp

Export determination: 6.

Rationale: CHG: Test support for MPLAPACK

Change #144 with diff file ISSM-26886-26887.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/code_4003/shelfice_step_icemass.F M /issm/trunk-jpl/test/MITgcm/input_4003/data.shelfice M /issm/trunk-jpl/test/MITgcm/tools/lookat_4003.m
M /issm/trunk-jpl/test/NightlyRun/test4003.m

Export determination: 6.

Rationale: first working check-in of test4003

Change #145 with diff file ISSM-26887-26888.diff:

Function name:

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

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

Export determination: 6.

Rationale: NEW: added method to update input from passive double, needed for checkpointing!

Change #146 with diff file ISSM-26888-26889.diff:

Function name:

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

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

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

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

Export determination: 6.

Rationale: CHG: cleaned up classes, field misfit is not needed

Change #147 with diff file ISSM-26889-26890.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/controladm1qn3_core.cpp M /issm/trunk-jpl/src/c/cores/transient_core.cpp

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

Export determination: 6.

Rationale: CHG: making checkpointing work with multiple cost functions

Change #148 with diff file ISSM-26890-26891.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: CHG: less verbosity

Change #149 with diff file ISSM-26891-26892.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-codipack A /issm/trunk-jpl/test/Archives/Archive3204.arch
A /issm/trunk-jpl/test/Archives/Archive3205.arch A /issm/trunk-jpl/test/NightlyRun/test3204.m
A /issm/trunk-jpl/test/NightlyRun/test3205.m
Export determination: 6.
Rationale: NEW: new NR tests with checkpointing inversions

Change #150 with diff file ISSM-26892-26893.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: silence checkpointing a little bit

Change #151 with diff file ISSM-26893-26894.diff:

Function name:

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

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

Export determination: 6.

Rationale: BUG: whoops, forgot to shield with HAVE_AD_

Change #152 with diff file ISSM-26894-26895.diff:

Function name:

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

jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp M /issm/trunk-jpl/src/c/cores/masstransport_core.cpp

Export determination: 6.

Rationale: CHG: Added SUPG stabilization and min thickness constraint for
Free Surface Analysis

Change #153 with diff file ISSM-26895-26896.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: error in FreeSurfaceBaseAnalysis

Change #154 with diff file ISSM-26896-26897.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp

Export determination: 6.

Rationale: BUG: fixed some issues

Change #155 with diff file ISSM-26897-26898.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test101.py M /issm/trunk-jpl/test/NightlyRun/test128.py
M /issm/trunk-jpl/test/NightlyRun/test129.py M /issm/trunk-jpl/test/NightlyRun/test248.py
M /issm/trunk-jpl/test/NightlyRun/test249.py M /issm/trunk-jpl/test/NightlyRun/test252.py
M /issm/trunk-jpl/test/NightlyRun/test256.py M /issm/trunk-jpl/test/NightlyRun/test333.py
M /issm/trunk-jpl/test/NightlyRun/test334.py M /issm/trunk-jpl/test/NightlyRun/test446.py
M /issm/trunk-jpl/test/NightlyRun/test448.py M /issm/trunk-jpl/test/NightlyRun/test518.py
M /issm/trunk-jpl/test/NightlyRun/test810.py

Export determination: 6.

Rationale: CHG: syntax fix in nightlies

Change #156 with diff file ISSM-26898-26899.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test124.js M /issm/trunk-jpl/test/NightlyRun/test124.m
M /issm/trunk-jpl/test/NightlyRun/test124.py

Export determination: 6.

Rationale: CHG: Eased field tolerances

Change #157 with diff file ISSM-26899-26900.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive124.arch

Export determination: 6.

Rationale: CHG: updated archive for test124

Change #158 with diff file ISSM-26900-26901.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive703.arch

Export determination: 6.
Rationale: CHG: updated archive for test703

Change #159 with diff file ISSM-26901-26902.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/export_netCDF.py M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/restable.m M /issm/trunk-jpl/src/m/io/loadvars.py
M /issm/trunk-jpl/test/NightlyRun/runme.py
Export determination: 6.
Rationale: CHG: update to nc export and checking procedure in runme

Change #160 with diff file ISSM-26902-26903.diff:
Function name:
M /issm/trunk-jpl/src/m/consistency/checkfield.py
Export determination: 6.
Rationale: CHG:relaxing some formating requirement on checkfield

Change #161 with diff file ISSM-26903-26904.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/taoinversion.py
Export determination: 6.
Rationale: BUG: fixing display in tao inversion

Change #162 with diff file ISSM-26904-26905.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/SMBpddSicopolis.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/regionaloutput.py
Export determination: 6.
Rationale: BUG: fix to initialization and syntax

Change #163 with diff file ISSM-26905-26906.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/SMBautoregression.py M /issm/trunk-jpl/src/m/classes/autoregressionlinear

M /issm/trunk-jpl/src/m/classes/frontalforcingsrignot.py M /issm/trunk-jpl/src/m/classes/frontalforcingsrignot.py
M /issm/trunk-jpl/src/m/classes/stochasticforcing.py
Export determination: 6.
Rationale: CHG: uniformisation of id indexing with matlab, also checking shapes of array that have to be columns and transposing if needed

Change #164 with diff file ISSM-26906-26907.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test247.py M /issm/trunk-jpl/test/NightlyRun/test317.py
M /issm/trunk-jpl/test/NightlyRun/test427.py M /issm/trunk-jpl/test/NightlyRun/test436.py
M /issm/trunk-jpl/test/NightlyRun/test443.py M /issm/trunk-jpl/test/NightlyRun/test612.py
M /issm/trunk-jpl/test/NightlyRun/test701.py

Export determination: 6.

Rationale: CHG: syntax fix

Change #165 with diff file ISSM-26907-26908.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test257.py M /issm/trunk-jpl/test/NightlyRun/test542.py
M /issm/trunk-jpl/test/NightlyRun/test543.py M /issm/trunk-jpl/test/NightlyRun/test544.py
M /issm/trunk-jpl/test/NightlyRun/test621.py

Export determination: 6.

Rationale: CHG: id indexing change in autoregression to be consistent with matlab

Change #166 with diff file ISSM-26908-26909.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Typo in MPLAPACK lib macro

Change #167 with diff file ISSM-26909-26910.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: profiling in pairoption

Change #168 with diff file ISSM-26910-26911.diff:

Function name:

A /issm/trunk-jpl/externalpackages/mplapack/install-1-linux.sh (from /issm/trunk-jpl/externalpackages/mplapack/install-0-linux.sh:26909) M /issm/trunk-jpl/jenkins/ross-debian_linux-full M /issm/trunk-jpl/jenkins/ross-debian_linux-full-mplapack

Export determination: 6.

Rationale: CHG: Support for MPLAPACK; clean up

Change #169 with diff file ISSM-26911-26912.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: remove contributions of grounded points in calculation of melting flux output

Change #170 with diff file ISSM-26912-26913.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpBamber2001.m

M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpBamber2013.m

M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpDhdt.m M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpGimpdem.m M /issm/trunk-jpl/src/m/contrib/morlighem/mo

Export determination: 6.

Rationale: CHG: adding some interpolation routines for totten

Change #171 with diff file ISSM-26913-26914.diff:

Function name:

M /issm/trunk-jpl/src/m/geometry/VolumeAboveFloatation.m

Export determination: 6.

Rationale: CHG: made this function more flexible: can apply to transient results (Note: NEEDS TO BE LOOKED INTO because we are not getting the same results as ISSM)

Change #172 with diff file ISSM-26914-26915.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: deal with no ice elements

Change #173 with diff file ISSM-26915-26916.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: automatically reset the boundary conditions for the levelset so that it remains smooth (i.e. reset as a distance function)

Change #174 with diff file ISSM-26916-26917.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive540.arch M /issm/trunk-jpl/test/Archives/Archive541.arch

Export determination: 6.

Rationale: CHG: new archives now that we reset the levelset

Change #175 with diff file ISSM-26917-26918.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/matrix/ElementMatrix.cpp M /issm/trunk-jpl/src/c/classes/matrix/Element

Export determination: 6.

Rationale: CHG: new way to detect whether a dof is in a stiffness matrix

Change #176 with diff file ISSM-26918-26919.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Cfdragcoeffabsgrad.h M /issm/trunk-jpl/src/c/classes/Cflevelsetmisfit.h

M /issm/trunk-jpl/src/c/classes/Cfsurfacevel.h M /issm/trunk-jpl/src/c/classes/Cfsurfacesquare.h

M /issm/trunk-jpl/src/c/classes/Radar.h

Export determination: 6.

Rationale: CHG: simplified header file

Change #177 with diff file ISSM-26919-26920.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #178 with diff file ISSM-26920-26921.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor formatting

Change #179 with diff file ISSM-26921-26922.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: cleanup

Change #180 with diff file ISSM-26922-26923.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Environment should be set in etc/environment.*

Change #181 with diff file ISSM-26923-26924.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: provide the path to external packages in case these are installed elsewhere

Change #182 with diff file ISSM-26924-26925.diff:

Function name:

M /issm/trunk-jpl/configure.ac
Export determination: 6.
Rationale: CHG: better indentation of package name

Change #183 with diff file ISSM-26925-26926.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/pfe.m
Export determination: 6.
Rationale: CHG fixed problems in pfe display

Change #184 with diff file ISSM-26926-26927.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_transient_movie.m
Export determination: 6.
Rationale: CHG: better handle caxis

Change #185 with diff file ISSM-26927-26928.diff:
Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: BUG: removing default choice for libpython and throwing error if not found

Change #186 with diff file ISSM-26928-26929.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/matdamageice.py M /issm/trunk-jpl/src/m/classes/materials.py
M /issm/trunk-jpl/src/m/classes/model.py M /issm/trunk-jpl/src/m/classes/solidearth.py
A /issm/trunk-jpl/src/m/mesh/ExportGmsh.py M /issm/trunk-jpl/src/m/plot/applyoptions.py
M /issm/trunk-jpl/test/NightlyRun/runme.m
Export determination: 6.
Rationale: CHG: some syntax fix and export gmsh py translation

Change #187 with diff file ISSM-26929-26930.diff:

Function name:
M /issm/trunk-jpl/src/m/exp/isoline.m
Export determination: 6.
Rationale: CHG: slightly better error message

Change #188 with diff file ISSM-26930-26931.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_transient_movie.m
Export determination: 6.
Rationale: CHG: handle both 2d and 3d models

Change #189 with diff file ISSM-26931-26932.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_transient_movie.m
Export determination: 6.
Rationale: CHG: minor

Change #190 with diff file ISSM-26932-26933.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_manager.m M /issm/trunk-jpl/src/m/plot/plot_transient_movie.m
Export determination: 6.
Rationale: CHG: simpler call to transient_movie

Change #191 with diff file ISSM-26933-26934.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyShaktiAnalysis.cpp
Export determination: 6.
Rationale: BUG: fixed PMPheat term in meltrate

Change #192 with diff file ISSM-26934-26935.diff:
Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.

Rationale: BUG: Fix for libpython location

Change #193 with diff file ISSM-26935-26936.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: coloring iterations, may revert if people don't like it

Change #194 with diff file ISSM-26936-26937.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: need to add ocean_levelset if only movingfront is on in a transient

Change #195 with diff file ISSM-26937-26938.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive350.arch

Export determination: 6.

Rationale: CHG: updating archive as Aleah changed the melting term

Change #196 with diff file ISSM-26938-26939.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Removing transient step colorization for now as Jenkins XML parser trips on it

Change #197 with diff file ISSM-26939-26940.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/tools/lookat_4003.m A /issm/trunk-jpl/test/NightlyRun/test4004.m

Export determination: 6.

Rationale: adding the crashing test as test4004.m

Change #198 with diff file ISSM-26940-26941.diff:

Function name:

A /issm/trunk-jpl/test/MITgcm/input_4004 A /issm/trunk-jpl/test/MITgcm/input_4004/data

A /issm/trunk-jpl/test/MITgcm/input_4004/data.diagnostics A /issm/trunk-

jpl/test/MITgcm/input_4004/data.obcs A /issm/trunk-jpl/test/MITgcm/input_4004/data.pkg

A /issm/trunk-jpl/test/MITgcm/input_4004/data.shelfice A /issm/trunk-jpl/test/MITgcm/input_4004/eedata

A /issm/trunk-jpl/test/MITgcm/input_4004/eedata_uncoupled

Export determination: 6.

Rationale: more frequen diagnostics

Change #199 with diff file ISSM-26941-26942.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #200 with diff file ISSM-26942-26943.diff:

Function name:

D /issm/trunk-jpl/externalpackages/petsc/install-3.15-mac-arm.sh A /issm/trunk-

jpl/externalpackages/petsc/install-3.17-mac-m1.sh

Export determination: 6.

Rationale: CHG: added PETSc installation script for Apple's M1 chip

Change #201 with diff file ISSM-26943-26944.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: preparing for PETSc 3.17

Change #202 with diff file ISSM-26944-26945.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: shielding PETSc

Change #203 with diff file ISSM-26945-26946.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/generic.m
Export determination: 6.
Rationale: CHG: changing default to issmdir/bin instead of [IssmConfig(ISSM_PREFIX)
/bin]

Change #204 with diff file ISSM-26946-26947.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyShaktiAnalysis.cpp
Export determination: 6.
Rationale: CHG:allow for negative melt rates as refreezing

Change #205 with diff file ISSM-26947-26948.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/modules/ModelProcessorx/CreateParameters.cpp M
/issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.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/Enumjl.v
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/SMBautoregres
M /issm/trunk-jpl/src/m/classes/SMBautoregression.py M /issm/trunk-jpl/test/Archives/Archive257.arch
M /issm/trunk-jpl/test/NightlyRun/test257.m M /issm/trunk-jpl/test/NightlyRun/test257.py
Export determination: 6.
Rationale: CHG: changed use of lapse rate coefficients in SMBautoregression

Change #206 with diff file ISSM-26948-26949.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cp
M /issm/trunk-jpl/src/c/shared/Enum/Enumjl.vim M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.c
Export determination: 6.
Rationale: CHG: forgot to synchronize Enums in last commit

Change #207 with diff file ISSM-26949-26950.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: correcting python script

Change #208 with diff file ISSM-26950-26951.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/linux/cmake/E

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-pleiades.sh A /issm/trunk-jpl/externalpackages/hdf5/install-1-parallel-with_tests.sh (from /issm/trunk-jpl/externalpackages/hdf5/install-1.10-parallel-with_tests.sh:26949) A /issm/trunk-jpl/externalpackages/hdf5/install-1-parallel.sh (from /issm/trunk-jpl/externalpackages/hdf5/install-1.10-parallel.sh:26949)

A /issm/trunk-jpl/externalpackages/hdf5/install-1-with_tests.sh (from /issm/trunk-jpl/externalpackages/hdf5/install-1.10-with_tests.sh:26949) D /issm/trunk-jpl/externalpackages/hdf5/install-1.10-parallel-with_tests.sh D /issm/trunk-jpl/externalpackages/hdf5/install-1.10-parallel.sh D /issm/trunk-jpl/externalpackages/hdf5/install-1.10-with_tests.sh D /issm/trunk-jpl/externalpackages/hdf5/install-1.10.sh A /issm/trunk-jpl/externalpackages/hdf5/install-1.sh (from /issm/trunk-jpl/externalpackages/hdf5/install-1.10.sh:26949) D /issm/trunk-jpl/externalpackages/hdf5/install.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.14-linux.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.14-mac.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.14-pleiades.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.15-pleiades.sh A /issm/trunk-jpl/externalpackages/petsc/install-3.16-pleiades.sh (from /issm/trunk-jpl/externalpackages/petsc/install-3.15-pleiades.sh:26949)

A /issm/trunk-jpl/externalpackages/python/install-2-linux.sh (from /issm/trunk-jpl/externalpackages/python/install-2.7.3-linux64.sh:26949) A /issm/trunk-jpl/externalpackages/python/install-2-mac-snowleopard.sh (from /issm/trunk-jpl/externalpackages/python/install-2.7.3-macosx-snowleopard.sh:26949) A /issm/trunk-jpl/externalpackages/python/install-2-mac.sh (from /issm/trunk-jpl/externalpackages/python/install-2.7.3-macosx.sh:26949) D /issm/trunk-jpl/externalpackages/python/install-2.7.3-linux64.sh D /issm/trunk-jpl/externalpackages/python/install-2.7.3-macosx-snowleopard.sh D /issm/trunk-jpl/externalpackages/python/install-2.7.3-macosx.sh A /issm/trunk-jpl/externalpackages/python/install-3-linux.sh (from /issm/trunk-jpl/externalpackages/python/install-3.2.2-linux64.sh:26949)

A /issm/trunk-jpl/externalpackages/python/install-3-mac-snowleopard.sh (from /issm/trunk-jpl/externalpackages/python/install-3.2.2-macosx-snowleopard.sh:26949) A /issm/trunk-jpl/externalpackages/python/install-3.2-mac.sh (from /issm/trunk-jpl/externalpackages/python/install-3.2.2-macosx.sh:26949) D /issm/trunk-jpl/externalpackages/python/install-3.2.2-linux64.sh D /issm/trunk-jpl/externalpackages/python/install-3.2.2-macosx-snowleopard.sh D /issm/trunk-jpl/externalpackages/python/install-3.2.2-macosx.sh

M /issm/trunk-jpl/externalpackages/sqlite/install.sh M /issm/trunk-jpl/jenkins/pleiades-dakota A /issm/trunk-jpl/jenkins/pleiades-solid_earth (from /issm/trunk-jpl/jenkins/pleiades-dakota:26946) M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/packageagers/mac/sign-issm-mac-binaries-matlab.sh M /issm/trunk-jpl/packageagers/mac/sign-issm-mac-binaries-python.sh M /issm/trunk-jpl/scripts/DownloadExternalPackage.sh
Export determination: 6.
Rationale: CHG: Various changes to external packages and configuration in support of solid earth build on Pleiades; various pending commits

Change #209 with diff file ISSM-26951-26952.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: melt can be 0

Change #210 with diff file ISSM-26952-26953.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/basalforcings.m M /issm/trunk-jpl/src/m/classes/initialization.m

Export determination: 6.

Rationale: CHG: make sure that we do not have ANY NaN in initialization.vx and vy

Change #211 with diff file ISSM-26953-26954.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/roundmesh.m

Export determination: 6.

Rationale: CHG: save exp file if needed

Change #212 with diff file ISSM-26954-26955.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpBedmachineAntarctica.m

M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpBedmachineGreenland.m

M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpJakobsson2020.m

M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpMouginotAnt2019.m

Export determination: 6.

Rationale: CHG: updating for totten

Change #213 with diff file ISSM-26955-26956.diff:

Function name:

M /issm/trunk-jpl/src/m/exp/expwrite.py

Export determination: 6.

Rationale: BUG:syntax error in expwrite

Change #214 with diff file ISSM-26957-26958.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/CoordTransform/CoordTransform.cpp

Export determination: 6.

Rationale: CHG: minor

Change #215 with diff file ISSM-26958-26959.diff:

Function name:

M /issm/trunk-jpl/src/m/coordsystems/ll2xy.m M /issm/trunk-jpl/src/m/coordsystems/xy2ll.m

Export determination: 6.

Rationale: CHG: switching to CoordTransform to avoid EPSG problems

Change #216 with diff file ISSM-26959-26960.diff:

Function name:

M /issm/trunk-jpl/src/m/modules/CoordTransform.m

Export determination: 6.

Rationale: CHG: better doc

Change #217 with diff file ISSM-26960-26961.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/install.sh

Export determination: 6.

Rationale: BUG: Temporarily setting MITgcm to specific tagged release

Change #218 with diff file ISSM-26961-26962.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4004.m

Export determination: 6.

Rationale: adding the modified test4003.m, with ice shelf cavity change, that crashes

Change #219 with diff file ISSM-26962-26963.diff:

Function name:

A /issm/trunk-jpl/test/MITgcm/tools/lookat_4004.m

Export determination: 6.

Rationale: adding tools/lookat_4004.m to look at test4004.m output

Change #220 with diff file ISSM-26963-26964.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/tools/lookat_4004.m

Export determination: 6.

Rationale: plot more variables

Change #221 with diff file ISSM-26964-26965.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 IsAllGrounded for killberg

Change #222 with diff file ISSM-26965-26966.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/movingfront_core.cpp M /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIceb

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/m/parameterization/killber

Export determination: 6.

Rationale: CHG: killberg for element that is not connected to fully grounded elements and add reinitialization after kill icebergs

Change #223 with diff file ISSM-26966-26967.diff:
Function name:
M /issm/trunk-jpl/test/MITgcm/tools/lookat_4004.m
Export determination: 6.
Rationale: M test/MITgcm/tools/lookat_4004.m

Change #224 with diff file ISSM-26967-26968.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/hydrologyglads.py
Export determination: 6.
Rationale: CHG: adding channel discharge to glads default outputs

Change #225 with diff file ISSM-26968-26969.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/export_netCDF.m M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/export_netCDF.py M /issm/trunk-jpl/src/m/io/loadvars.py
Export determination: 6.
Rationale: BUG:some netcdf fixes

Change #226 with diff file ISSM-26969-26970.diff:
Function name:
M /issm/trunk-jpl/src/m/exp/expwrite.py M /issm/trunk-jpl/src/m/shp/shpread.py
M /issm/trunk-jpl/src/m/shp/shpwrite.py
Export determination: 6.
Rationale: CHG: fixes to shp and exp IO

Change #227 with diff file ISSM-26970-26971.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_vertexnumbering.m
Export determination: 6.
Rationale: CHG: take into account 'axis' to speed up plot

Change #228 with diff file ISSM-26971-26972.diff:

Function name:
M /issm/trunk-jpl/src/c/cores/controladm1qn3_core.cpp
Export determination: 6.
Rationale: CHG: minor

Change #229 with diff file ISSM-26972-26973.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/cores/movingfront_core.cpp
Export determination: 6.
Rationale: CHG: save levelset AFTER it is reinitialized

Change #230 with diff file ISSM-26973-26974.diff:

Function name:
M /issm/trunk-jpl/src/c/cores/movingfront_core.cpp M /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIceb
M /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIcebergsx.h M /issm/trunk-
jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/m/parameterization/killberg.m
A /issm/trunk-jpl/test/Archives/Archive813.arch A /issm/trunk-jpl/test/NightlyRun/test813.m
Export determination: 6.
Rationale: CHG: add a special test case for killberg with only one single node
of ice and has ocean_levelset crossing the neighbour elements, select the initial
mask more strict to fix this bug

Change #231 with diff file ISSM-26974-26975.diff:

Function name:
A /issm/trunk-jpl/externalpackages/petsc/install-3.14-mac-nohdf5.sh
Export determination: 6.
Rationale: installation of hdf5 using petsc failed on macOS Monterey intel

Change #232 with diff file ISSM-26975-26976.diff:

Function name:
A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing A /issm/trunk-jpl/src/m/contrib/chenggong/dat
A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/analyzeCalvingFront.m
A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/averageOverTime.m
A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/computeGrad.m A
/issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/extractTransientSolutions.m

A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/fillInNan.m A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/integrateOverDomain.m A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/integrateOverTime.m A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/interpZeroPos.m A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/inverseHistograms.m A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/movingAverage.m A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/npsd.m A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/psd.m A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/rescalegradientNan.m A /issm/trunk-jpl/src/m/contrib/chenggong/dataprocessing/wfDistance.m A /issm/trunk-jpl/src/m/contrib/chenggong/expoM /issm/trunk-jpl/src/m/contrib/chenggong/interpFromMEaSURESGeotiff.m A /issm/trunk-jpl/src/m/contrib/chenggong/modeldata A /issm/trunk-jpl/src/m/contrib/chenggong/modeldata A /issm/trunk-jpl/src/m/contrib/chenggong/visualization A /issm/trunk-jpl/src/m/contrib/chenggong/visualization A /issm/trunk-jpl/src/m/contrib/chenggong/visualization/plotCompareTransientFlowline.m
Export determination: 6.
Rationale: add post-processing codes

Change #233 with diff file ISSM-26976-26977.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing dependencies between Exceptions and ISSM

Change #234 with diff file ISSM-26977-26978.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: moving calculation of levelset gradient BEFORE calving rates are computed

Change #235 with diff file ISSM-26978-26979.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive540.arch M /issm/trunk-jpl/test/Archives/Archive541.arch

M /issm/trunk-jpl/test/Archives/Archive542.arch M /issm/trunk-jpl/test/Archives/Archive543.arch

M /issm/trunk-jpl/test/Archives/Archive808.arch M /issm/trunk-jpl/test/Archives/Archive809.arch

Export determination: 6.

Rationale: CHG: updated archive now that we save the levelset AFTER it is reinitialized

Change #236 with diff file ISSM-26979-26980.diff:

Function name:

D /issm/trunk-jpl/packagegers/win7

Export determination: 6.

Rationale: DEL: remoing windows 7 support, not working and making ISSM trip if installed in /Applications

Change #237 with diff file ISSM-26980-26981.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 tolerances

Change #238 with diff file ISSM-26981-26982.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/akesson A /issm/trunk-jpl/src/m/contrib/akesson/interpMAR.m

Export determination: 6.

Rationale: CHG: new dir with akesson contribs

Change #239 with diff file ISSM-26982-26983.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/roundmesh.py

Export determination: 6.

Rationale: BUG:fix to roundmesh output

Change #240 with diff file ISSM-26983-26984.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/Tria.cpp

M /issm/trunk-jpl/src/c/modules/Calvingx/Calvingx.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/Enumjl.vim M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.c

Export determination: 6.
Rationale: CHG: moving calving rate calculation OUT of MovingFront

Change #241 with diff file ISSM-26984-26985.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: moving more calving laws away from MovingFront

Change #242 with diff file ISSM-26985-26986.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: almost done moving calving velocities back to calving law

Change #243 with diff file ISSM-26986-26987.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp
Export determination: 6.
Rationale: BUG: fixing memory leak

Change #244 with diff file ISSM-26987-26988.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Random/randomgenerator.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_sampling.cpp
Export determination: 6.
Rationale: BUG: fixing memory leaks

Change #245 with diff file ISSM-26988-26989.diff:
Function name:
D /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-python A /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-python-2 A /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-python-3 A /issm/trunk-jpl/packageagers/linux/complete-issm-linux-binaries-python-

2.sh A /issm/trunk-jpl/package/linux/complete-issm-linux-binaries-python-3.sh
D /issm/trunk-jpl/package/linux/complete-issm-linux-binaries-python.sh A /issm/trunk-jpl/package/linux/package-issm-linux-binaries-python-2.sh A /issm/trunk-jpl/package/linux/package-issm-linux-binaries-python-3.sh D /issm/trunk-jpl/package/linux/package-issm-linux-binaries-python.sh M /issm/trunk-jpl/src/m/exp/expwrite.py
Export determination: 6.
Rationale: CHG: Splitting Linux Python binaries into separate builds for versions 2 and 3; typos

Change #246 with diff file ISSM-26989-26990.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp
Export determination: 6.
Rationale: BUG: fixed memory leaks

Change #247 with diff file ISSM-26990-26991.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRate/FloatingIceMeltingRate.cpp
Export determination: 6.
Rationale: BUG: fixed memory leaks

Change #248 with diff file ISSM-26991-26992.diff:
Function name:
M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-python-3.sh
Export determination: 6.
Rationale: BUG: ISSM_DIR variable

Change #249 with diff file ISSM-26992-26993.diff:
Function name:
M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-python-3.sh
Export determination: 6.
Rationale: BUG: ISSM_DIR variable

Change #250 with diff file ISSM-26993-26994.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.15-discovery.sh

Export determination: 6.

Rationale: CHG: added prefix and src

Change #251 with diff file ISSM-26994-26995.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: updating discovery

Change #252 with diff file ISSM-26995-26996.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing Discovery

Change #253 with diff file ISSM-26996-26997.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing port

Change #254 with diff file ISSM-26997-26998.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-python

Export determination: 6.

Rationale: CHG: Updating Python build to Python 3

Change #255 with diff file ISSM-26998-26999.diff:

Function name:

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
Export determination: 6.
Rationale: CHG adding +1e-10 to norm in denominator to avoid norm==0 in case of mixed NaN and fixed levelset spc

Change #256 with diff file ISSM-26999-27000.diff:
Function name:
M /issm/trunk-jpl/externalpackages/petsc/install-3.14-pleiades.sh
Export determination: 6.
Rationale: BUG: Mistakenly removed MUMPS from ext pkg list in config

Change #257 with diff file ISSM-27000-27001.diff:
Function name:
M /issm/trunk-jpl/externalpackages/petsc/install-3.14-discover.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.14-linux.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.14-mac-nohdf5.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.14-mac.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.14-pleiades.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.14-tetralith.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.14-win-msys2-mingw-msmpi.sh
Export determination: 6.
Rationale: CHG: Updated PETSc 3.14.0 -> 3.14.6

Change #258 with diff file ISSM-27001-27002.diff:
Function name:
M /issm/trunk-jpl/jenkins/pine_island-mac-adolc-ampion M /issm/trunk-jpl/jenkins/pine_island-mac-basic M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/pine_island-mac-examples M /issm/trunk-jpl/jenkins/pine_island-mac-full M /issm/trunk-jpl/jenkins/pine_island-mac-full-valgrind M /issm/trunk-jpl/jenkins/pine_island-mac-solid_earth M /issm/trunk-jpl/jenkins/pine_island-mac-solid_earth-lambert
Export determination: 6.
Rationale: CHG: Updated to GCC 11

Change #259 with diff file ISSM-27002-27003.diff:
Function name:
M /issm/trunk-jpl/packagers/linux/transfer-issm-linux-binaries.sh A /issm/trunk-

jpl/package/mac/commit_for_signing-issm-mac-binaries-python-2.sh (from /issm/trunk-jpl/package/mac/commit_for_signing-issm-mac-binaries-python.sh:27000) A /issm/trunk-jpl/package/mac/commit_for_signing-issm-mac-binaries-python-3.sh (from /issm/trunk-jpl/package/mac/commit_for_signing-issm-mac-binaries-python.sh:27000) D /issm/trunk-jpl/package/mac/commit_for_signing-issm-mac-binaries-python.sh A /issm/trunk-jpl/package/mac/complete-issm-mac-binaries-python-2.sh (from /issm/trunk-jpl/package/mac/complete-issm-mac-binaries-python.sh:27000) A /issm/trunk-jpl/package/mac/complete-issm-mac-binaries-python-3.sh (from /issm/trunk-jpl/package/mac/complete-issm-mac-binaries-python.sh:27000) D /issm/trunk-jpl/package/mac/complete-issm-mac-binaries-python.sh A /issm/trunk-jpl/package/mac/package-issm-mac-binaries-python-2.sh (from /issm/trunk-jpl/package/mac/package-issm-mac-binaries-python.sh:27000) A /issm/trunk-jpl/package/mac/package-issm-mac-binaries-python-3.sh (from /issm/trunk-jpl/package/mac/package-issm-mac-binaries-python.sh:27000) D /issm/trunk-jpl/package/mac/package-issm-mac-binaries-python.sh A /issm/trunk-jpl/package/mac/sign-issm-mac-binaries-python-2.sh (from /issm/trunk-jpl/package/mac/sign-issm-mac-binaries-python.sh:27000) A /issm/trunk-jpl/package/mac/sign-issm-mac-binaries-python-3.sh (from /issm/trunk-jpl/package/mac/sign-issm-mac-binaries-python.sh:27000) D /issm/trunk-jpl/package/mac/sign-issm-mac-binaries-python.sh A /issm/trunk-jpl/package/mac/test-issm-mac-binaries-python-2.sh (from /issm/trunk-jpl/package/mac/test-issm-mac-binaries-python.sh:27000) A /issm/trunk-jpl/package/mac/test-issm-mac-binaries-python-3.sh (from /issm/trunk-jpl/package/mac/test-issm-mac-binaries-python.sh:27000) D /issm/trunk-jpl/package/mac/test-issm-mac-binaries-python.sh M /issm/trunk-jpl/package/mac/transfer-issm-mac-binaries.sh
Export determination: 6.
Rationale: CHG: Support for ISSM API for Python versions 2 and 3

Change #260 with diff file ISSM-27003-27004.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: changing name of restart files to make them consistent with checkpointing files

Change #261 with diff file ISSM-27004-27005.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/m/classes/levelset.m

Export determination: 6.

Rationale: ADD: stablization=6 for levelset functions using FAB+SUPG

Change #262 with diff file ISSM-27005-27006.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
Export determination: 6.
Rationale: BUG:fix the inconsistency in data types for stab=6

Change #263 with diff file ISSM-27006-27007.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
Export determination: 6.
Rationale: BUG:fix type error

Change #264 with diff file ISSM-27007-27008.diff:
Function name:
M /issm/trunk-jpl/jenkins/pleiades-solid_earth
Export determination: 6.
Rationale: CHG: Should be using non-Python version

Change #265 with diff file ISSM-27008-27009.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/discovery.m
Export determination: 6.
Rationale: NEW: add ice account automatically

Change #266 with diff file ISSM-27009-27010.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.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/m/classes/calvingparameter
M /issm/trunk-jpl/src/m/classes/frontalforcings.m
Export determination: 6.
Rationale: ADD: frontal ablation rate in frontalforcings

Change #267 with diff file ISSM-27010-27011.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/m/classes/frontalforcings.m

Export determination: 6.

Rationale: BUG: fix the missing field in tests

Change #268 with diff file ISSM-27011-27012.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-matlab D /issm/trunk-jpl/jenkins/pine_island-mac-binaries-python A /issm/trunk-jpl/jenkins/pine_island-mac-binaries-python-2 A /issm/trunk-jpl/jenkins/pine_island-mac-binaries-python-3 D /issm/trunk-jpl/jenkins/pine_island-mac-python M /issm/trunk-jpl/test/NightlyRun/runme.py

Export determination: 6.

Rationale: CHG: Updates to macOS Jenkins configs for Python

Change #269 with diff file ISSM-27012-27013.diff:

Function name:

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

Export determination: 6.

Rationale: CHG:Output melt rate components with borrowed Enums

Change #270 with diff file ISSM-27013-27014.diff:

Function name:

M /issm/trunk-jpl/packagers/mac/package-issm-mac-binaries-python-3.sh

Export determination: 6.

Rationale: BUG: Missing ‘ in -i option for sed for macOS

Change #271 with diff file ISSM-27014-27015.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added migration max to min thickness calving

Change #272 with diff file ISSM-27015-27016.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
Export determination: 6.
Rationale: CHG: fixed max migration for min thickness

Change #273 with diff file ISSM-27016-27017.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
Export determination: 6.
Rationale: CHG: do not apply H_jH_{min} calving if levelset is ≤ 0

Change #274 with diff file ISSM-27017-27018.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.h
M /issm/trunk-jpl/src/c/cores/movingfront_core.cpp
Export determination: 6.
Rationale: CHG: moving min thickness as postprocessing. Will move other calving laws as well if successful

Change #275 with diff file ISSM-27018-27019.diff:
Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: fix using shapelib. A library of shapelib with v1.5.0 is named as "libshp.so"

Change #276 with diff file ISSM-27019-27020.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
Export determination: 6.
Rationale: CHG: moving minimum thickness criterion of VM to PostProcess function

Change #277 with diff file ISSM-27020-27021.diff:

Function name:

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

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp A /issm/trunk-jpl/src/m/classes/calvingtest.m

Export determination: 6.

Rationale: CHG: speedfactor to TranientParam in calvingTest

Change #278 with diff file ISSM-27021-27022.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/calvingtest.m M /issm/trunk-jpl/src/m/classes/initialization.m

Export determination: 6.

Rationale: CHG:minor

Change #279 with diff file ISSM-27022-27023.diff:

Function name:

M /issm/trunk-jpl/examples/Inversion/Square.par M /issm/trunk-jpl/examples/Inversion/runme.m

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

Export determination: 6.

Rationale: CHG: take out PMPheat in melt rate

Change #280 with diff file ISSM-27023-27024.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: do not extrude melt if no calculation is done (a transientinput cannot be extruded in 3d)

Change #281 with diff file ISSM-27024-27025.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor, change time to yts

Change #282 with diff file ISSM-27025-27026.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive350.arch M /issm/trunk-jpl/test/Archives/Archive808.arch

Export determination: 6.

Rationale: CHG: updating archives

Change #283 with diff file ISSM-27026-27027.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.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/m/classes/calvingtest.m

Export determination: 6.

Rationale: ADD: independentrate in calvingtest, with the direction in the outward normal of the calving front (not the flow velocity)

Change #284 with diff file ISSM-27027-27028.diff:

Function name:

M /issm/trunk-jpl/examples/Greenland/runme.m M /issm/trunk-jpl/examples/IceBridge/runme.m

M /issm/trunk-jpl/examples/Jakobshavn/runme.m

Export determination: 6.

Rationale: CHG: Corrected args for calls to xy2ll

Change #285 with diff file ISSM-27028-27029.diff:

Function name:

M /issm/trunk-jpl/examples/Greenland/runme.m M /issm/trunk-jpl/examples/IceBridge/runme.m

M /issm/trunk-jpl/examples/Jakobshavn/runme.m

Export determination: 6.

Rationale: CHG: Reverting changes to xy2ll so that they can be fixed properly

Change #286 with diff file ISSM-27029-27030.diff:

Function name:

M /issm/trunk-jpl/examples/SlrGRACE/runme.m

Export determination: 6.

Rationale: CHG: some fine tuning of load models

Change #287 with diff file ISSM-27030-27031.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added saveasstruct method for DJUICE