

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD

Log #: 24684-25833

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Program: ISSM: Ice Sheet System Model

Person Requesting or Initiating Export: Dr. Eric Larour

Date Received: Dec-8-2020

Document Title/Description: ISSM changes from revision 24684 to revision 25833

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:** Dec-8-2020

Disposition:

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Change #1 with diff file ISSM-24685-24686.diff:

Function name:

M /issm/trunk-jpl

Export determination: 6.

Rationale: merged trunk and trunk-jpl

Change #2 with diff file ISSM-24687-24688.diff:

Function name:

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

Export determination: 6.

Rationale: Block revision 24686 from being merged into trunk-jpl

Change #3 with diff file ISSM-24688-24689.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.

Rationale: CHG: starting new revision number

Change #4 with diff file ISSM-24689-24690.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp M /issm/trunk-jpl/test/Archives/Archive243.arch M /issm/trunk-jpl/test/Archives/Archive244.arch

M /issm/trunk-jpl/test/Archives/Archive252.arch
Export determination: 6.
Rationale: CHG: clean up some GEMB code and climatology for last time step,
update Archives

Change #5 with diff file ISSM-24691-24692.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance
M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.h
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum
M /issm/trunk-jpl/test/Archives/Archive243.arch M /issm/trunk-jpl/test/Archives/Archive244.arch
M /issm/trunk-jpl/test/Archives/Archive252.arch

Export determination: 6.

Rationale: CHG: add pore closeoff and ice albedo to GEMB and Archives

Change #6 with diff file ISSM-24692-24693.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/ross-
debian_linux-dakota M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-
with_dakota.sh M /issm/trunk-jpl/package/mac/package-issm-mac-binaries-
with_dakota.sh

Export determination: 6.

Rationale: CHG: Correcting test suite lists

Change #7 with diff file ISSM-24693-24694.diff:

Function name:

A /issm/trunk-jpl/jenkins/ross-debian_linux-trunk (from /issm/trunk-jpl/jenkins/ross-
debian_linux:24691)

Export determination: 6.

Rationale: ADD: Missing Jenkins config for testing trunk

Change #8 with diff file ISSM-24694-24695.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/ross-

debian_linux-dakota M /issm/trunk-jpl/package-issm-linux-binaries-with_dakota.sh M /issm/trunk-jpl/package-issm-mac-binaries-with_dakota.sh

Export determination: 6.

Rationale: CHG: Correcting test suite lists (again)

Change #9 with diff file ISSM-24695-24696.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Corrected ssh identity files

Change #10 with diff file ISSM-24696-24697.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Output redirection

Change #11 with diff file ISSM-24697-24698.diff:

Function name:

D /issm/trunk-jpl/package-issm-linux-binaries-with_dakota.sh

Export determination: 6.

Rationale: BUG: Correcting permissions

Change #12 with diff file ISSM-24698-24699.diff:

Function name:

A /issm/trunk-jpl/package-issm-linux-binaries-with_dakota.sh

Export determination: 6.

Rationale: BUG: Correcting permissions

Change #13 with diff file ISSM-24699-24700.diff:

Function name:

M /issm/trunk-jpl/externalpackages/boost/install-1.72-linux-static.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-linux-static.sh M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-with_dakota M /issm/trunk-jpl/package-issm-linux-binaries-with_dakota.sh

Export determination: 6.

Rationale: CHG: Ensuring dynamic Boost libs do not get linked to

Change #14 with diff file ISSM-24700-24701.diff:

Function name:

M /issm/trunk-jpl/package-issm-mac-binaries-with_dakota.sh

Export determination: 6.

Rationale: CHG: Ship binaries to ISSM Web site (temporary fix so we do not have to recompile and test)

Change #15 with diff file ISSM-24701-24702.diff:

Function name:

M /issm/trunk-jpl/package-issm-linux-binaries-with_dakota.sh

Export determination: 6.

Rationale: CHG: Ship binaries to ISSM Web site (temporary fix so we do not have to recompile and test)

Change #16 with diff file ISSM-24702-24703.diff:

Function name:

M /issm/trunk-jpl/package-issm-linux-binaries-with_dakota.sh

Export determination: 6.

Rationale: CHG: Ship binaries to ISSM Web site (temporary fix so we do not have to recompile and test)

Change #17 with diff file ISSM-24703-24704.diff:

Function name:

M /issm/trunk-jpl/externalpackages/boost/install-1.72-mac-static.sh M /issm/trunk-jpl/package-issm-linux-binaries-with_dakota.sh M /issm/trunk-jpl/package-issm-linux-binaries.sh M /issm/trunk-jpl/package-issm-mac-binaries-with_dakota.sh

issm-mac-binaries-with_dakota.sh M /issm/trunk-jpl/package-issm-mac-binaries.sh

Export determination: 6.

Rationale: CHG: No longer relying on ssh-agent to ship binaries; reverting un-commented blocks of packaging scripts

Change #18 with diff file ISSM-24704-24705.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test432.m M /issm/trunk-jpl/test/NightlyRun/test432.py

Export determination: 6.

Rationale: CHG: Eased tolerances

Change #19 with diff file ISSM-24705-24706.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fix GEMB linux drift when interpforcings is off

Change #20 with diff file ISSM-24706-24707.diff:

Function name:

M /issm/trunk-jpl/externalpackages/boost/install-1.72-mac-static.sh M /issm/trunk-jpl/externalpackages/boost/install-1.72-mac.sh

Export determination: 6.

Rationale: CHG: No need to explicitly call darwin toolset

Change #21 with diff file ISSM-24707-24708.diff:

Function name:

M /issm/trunk-jpl/scripts/test-issm-linux-binaries-with_dakota.sh M /issm/trunk-jpl/scripts/test-issm-linux-binaries.sh A /issm/trunk-jpl/scripts/test-issm-mac-binaries-with_dakota.sh A /issm/trunk-jpl/scripts/test-issm-mac-binaries.sh

Export determination: 6.

Rationale: CHG: Added used-end script to test Mac binaries; minor

Change #22 with diff file ISSM-24708-24709.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added interpJakobsson2020.m

Change #23 with diff file ISSM-24709-24710.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: memory leak

Change #24 with diff file ISSM-24710-24711.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: add GEMB check for transient forcing row to be equal between variables

Change #25 with diff file ISSM-24711-24712.diff:

Function name:

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

M /issm/trunk-jpl/src/c/classes/Inputs2/TransientInput2.cpp M /issm/trunk-jpl/test/NightlyRun/runme.py M /issm/trunk-jpl/test/NightlyRun/test701.py

Export determination: 6.

Rationale: NEW:Finishing implementation of substeps fro 3D

Change #26 with diff file ISSM-24712-24713.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Constraints/SpcStatic.cpp M /issm/trunk-jpl/src/c/classes/Constraints/SpcS

Export determination: 6.

Rationale: BUG: fixing FCT

Change #27 with diff file ISSM-24713-24714.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.h M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.h M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_fct.cpp

Export determination: 6.

Rationale: CHG: simplifying (a little bit) FCT

Change #28 with diff file ISSM-24714-24715.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added new implementation of Dirichlet condition with zeroing rows and 1 on diagonal

Change #29 with diff file ISSM-24715-24716.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: cosmetics

Change #30 with diff file ISSM-24716-24717.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/SurfaceAverageVelMi

Export determination: 6.

Rationale: CHG: cleaning up GetInput for double

Change #31 with diff file ISSM-24717-24718.diff:

Function name:

A /issm/trunk-jpl/test/NightlyRun/test2004.m

Export determination: 6.

Rationale: NEW: starting a new sealevelmodel based slr solver test

Change #32 with diff file ISSM-24718-24719.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Elements/NyeCO2.cpp
Export determination: 6.
Rationale: Updated CO2 parameters based on new study.

Change #33 with diff file ISSM-24719-24720.diff:
Function name:
M /issm/trunk-jpl/src/m/materials/nye.m M /issm/trunk-jpl/src/m/materials/nye.py
Export determination: 6.
Rationale: Updated CO2 parameters based on new study.

Change #34 with diff file ISSM-24720-24721.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive347.arch
Export determination: 6.
Rationale: New archive file for test347 after updating Nye parameters.

Change #35 with diff file ISSM-24721-24722.diff:
Function name:
A /issm/trunk-jpl/test/SandBox
Export determination: 6.
Rationale: CHG: new experimental test runs.

Change #36 with diff file ISSM-24722-24723.diff:
Function name:
D /issm/trunk-jpl/test/NightlyRun/test2004.m A /issm/trunk-jpl/test/SandBox/test2004.m
(from /issm/trunk-jpl/test/NightlyRun/test2004.m:24721)
Export determination: 6.
Rationale: CHG: moving to experimental directory.

Change #37 with diff file ISSM-24723-24724.diff:
Function name:

M /issm/trunk-jpl/test/Archives/Archive346.arch
Export determination: 6.
Rationale: New archive file for test346 after updating Nye parameters.

Change #38 with diff file ISSM-24724-24725.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive346.arch M /issm/trunk-jpl/test/Archives/Archive347.arch
M /issm/trunk-jpl/test/NightlyRun/test347.m
Export determination: 6.
Rationale: CHG: CO2 update

Change #39 with diff file ISSM-24725-24726.diff:
Function name:
A /issm/trunk-jpl/scripts/OutbinRead.py
Export determination: 6.
Rationale: NEW: read outbin (to be improved)

Change #40 with diff file ISSM-24726-24727.diff:
Function name:
M /issm/trunk-jpl/scripts/BinRead.py M /issm/trunk-jpl/scripts/OutbinRead.py
Export determination: 6.
Rationale: CHG: minor

Change #41 with diff file ISSM-24727-24728.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model.m
Export determination: 6.
Rationale: CHG: better alignment.

Change #42 with diff file ISSM-24728-24729.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/sealevelmodel.m
Export determination: 6.

Rationale: CHG: comment on the icecaps field.

Change #43 with diff file ISSM-24729-24730.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added a check on the type of mask that should be initialized for an slr solution.

Change #44 with diff file ISSM-24730-24731.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: inserting PVector in the FCT method

Change #45 with diff file ISSM-24731-24732.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: inserting PVector in the FCT method

Change #46 with diff file ISSM-24732-24733.diff:

Function name:

M /issm/trunk-jpl/scripts/OutbinRead.py

Export determination: 6.

Rationale: CHG: time should be in years

Change #47 with diff file ISSM-24733-24734.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed error where we were picking up fresh water instead of

sea water in the SLR solver.

Change #48 with diff file ISSM-24734-24735.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor, print correct default values

Change #49 with diff file ISSM-24735-24736.diff:

Function name:

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

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

jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.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/StringTo

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

M /issm/trunk-jpl/test/Archives/Archive243.arch M /issm/trunk-jpl/test/Archives/Archive244.arch

M /issm/trunk-jpl/test/Archives/Archive252.arch A /issm/trunk-jpl/test/Archives/Archive253.arch

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

M /issm/trunk-jpl/test/NightlyRun/test252.m M /issm/trunk-jpl/test/NightlyRun/test252.py

A /issm/trunk-jpl/test/NightlyRun/test253.m A /issm/trunk-jpl/test/NightlyRun/test253.py

Export determination: 6.

Rationale: CHG: add surface temperature forcing and test253, tighten tols, and update how snow merges with ice

Change #50 with diff file ISSM-24736-24737.diff:

Function name:

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

jpl/test/Archives/Archive253.arch

Export determination: 6.

Rationale: CHG: turn off evap and fluxes with constrainsurfaceT flag

Change #51 with diff file ISSM-24737-24738.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test253.m M /issm/trunk-jpl/test/NightlyRun/test253.py

Export determination: 6.
Rationale: CHG: update tols for jenkins python build

Change #52 with diff file ISSM-24738-24739.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model.m
Export determination: 6.
Rationale: CHG: add load fix for constrainsurfaceT in Gemb

Change #53 with diff file ISSM-24739-24740.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test252.m M /issm/trunk-jpl/test/NightlyRun/test252.py
Export determination: 6.
Rationale: CHG: loosen tols for GEMB

Change #54 with diff file ISSM-24740-24741.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/basin.m
Export determination: 6.
Rationale: CHG: new contour plot routine.

Change #55 with diff file ISSM-24741-24742.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/matrice.m
Export determination: 6.
Rationale: CHG: skip some checks in case we are running slr solution.

Change #56 with diff file ISSM-24742-24743.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/geometry.m
Export determination: 6.
Rationale: CHG: skip some checks for slr solutions, except bed.

Change #57 with diff file ISSM-24743-24744.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/applyoptions.m

Export determination: 6.

Rationale: CHG: missing eval.

Change #58 with diff file ISSM-24744-24745.diff:

Function name:

M /issm/trunk-jpl/src/m/coordsystems/gdalinfo.m

Export determination: 6.

Rationale: CHG: better error output informatoin.

Change #59 with diff file ISSM-24745-24746.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/applyoptions.m

Export determination: 6.

Rationale: CHG: do not use eval, it's evil

Change #60 with diff file ISSM-24746-24747.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: missing analyses

Change #61 with diff file ISSM-24747-24748.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: much faster interp from geotiff

Change #62 with diff file ISSM-24748-24749.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/Archive2010.arch
Export determination: 6.
Rationale: CHG: Updated archives for failing solid earth tests

Change #63 with diff file ISSM-24749-24750.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test2001.m
Export determination: 6.
Rationale: CHG: better comment.

Change #64 with diff file ISSM-24750-24751.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/IoModel.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M
/issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.h M /issm/trunk-jpl/src/m/classes/materials.m
M /issm/trunk-jpl/test/NightlyRun/test2002.m
Export determination: 6.
Rationale: CHG: simplified test2002.m by skipping fields not strictly necessary for the slr solution. In addition, created new 'hydro' material in the materials.m class. This triggered a series of modifications to the model processor. The biggest was the fact that hmaterials hooks in the elements were pointing to materials that did not exist! So we did a post processing of the hmaterials hooks to nullify them. This in turn triggered Tria.cpp modification of the Configure routine to skip whenever hmaterial is NULL.

Change #65 with diff file ISSM-24751-24752.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/materials.py
Export determination: 6.
Rationale: CHG: trying to fix py

Change #66 with diff file ISSM-24752-24753.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying to fix NR

Change #67 with diff file ISSM-24753-24754.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying to fix NR

Change #68 with diff file ISSM-24754-24755.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Matrix/MatrixUtils.cpp

Export determination: 6.

Rationale: CHG: symbols not showing up

Change #69 with diff file ISSM-24755-24756.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying queso.

Change #70 with diff file ISSM-24756-24757.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Finished Python translation; minor corrections

Change #71 with diff file ISSM-24757-24758.diff:

Function name:

A /issm/trunk-jpl/test/SandBox/Makefile A /issm/trunk-jpl/test/SandBox/testbayes.m

Export determination: 6.
Rationale: NEW: starting MCMC exploration with Dakota Queso

Change #72 with diff file ISSM-24758-24759.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test2002.py
Export determination: 6.
Rationale: CHG: Arbitrary geometry

Change #73 with diff file ISSM-24759-24760.diff:

Function name:
M /issm/trunk-jpl/src/m/qmu/dakota_out_parse.m
Export determination: 6.
Rationale: CHG: descriptors missing for best parameters section in bayes_calibration runs.

Change #74 with diff file ISSM-24760-24761.diff:

Function name:
M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp M /issm/trunk-jpl/src/m/classes/SMBgemb.m M /issm/trunk-jpl/src/m/classes/SMBgemb.py
M /issm/trunk-jpl/test/Archives/Archive243.arch M /issm/trunk-jpl/test/Archives/Archive244.arch
M /issm/trunk-jpl/test/Archives/Archive252.arch M /issm/trunk-jpl/test/Archives/Archive253.arch
M /issm/trunk-jpl/test/NightlyRun/test243.m M /issm/trunk-jpl/test/NightlyRun/test243.py
M /issm/trunk-jpl/test/NightlyRun/test252.m M /issm/trunk-jpl/test/NightlyRun/test252.py
M /issm/trunk-jpl/test/NightlyRun/test253.m M /issm/trunk-jpl/test/NightlyRun/test253.py
Export determination: 6.
Rationale: CHG: Gemb maintain initial layer depth profile throughout the simulation

Change #75 with diff file ISSM-24761-24762.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/basin.m
Export determination: 6.
Rationale: CHG: fixed big issue that would have prevented 3D stitching of 2D models.

Change #76 with diff file ISSM-24762-24763.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_gridded.m

Export determination: 6.

Rationale: NEW: better handling of plotmodel with levelset: use 'gridded',1,'levelset',md.results.TransientSolut

Change #77 with diff file ISSM-24763-24764.diff:

Function name:

M /issm/trunk-jpl/test/SandBox/test2004.m

Export determination: 6.

Rationale: CHG: test2004 comint together.

Change #78 with diff file ISSM-24764-24765.diff:

Function name:

M /issm/trunk-jpl/test/SandBox/test2004.m

Export determination: 6.

Rationale: CHG: fixed issues with mesh generation.

Change #79 with diff file ISSM-24765-24766.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: allow for not plotting labels.

Change #80 with diff file ISSM-24766-24767.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/meshintersect3d.m

Export determination: 6.

Rationale: CHG: fixing major bug in the logical flow + better output logging.

Change #81 with diff file ISSM-24767-24768.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: new implementation of medipack

Change #82 with diff file ISSM-24768-24769.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Adjusting interface to correspond with changes to MeDiPack

Change #83 with diff file ISSM-24769-24770.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.cpp

Export determination: 6.

Rationale: BUG: Need to fence declaration of mpiTypes in source.

Change #84 with diff file ISSM-24770-24771.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.cpp

Export determination: 6.

Rationale: BUG: Need to fence declaration of mpiTypes in source.

Change #85 with diff file ISSM-24771-24772.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.cpp

Export determination: 6.

Rationale: BUG: Need to fence declaration of mpiTypes in source.

Change #86 with diff file ISSM-24772-24773.diff:

Function name:

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

M /issm/trunk-jpl/test/Archives/Archive243.arch M /issm/trunk-jpl/test/Archives/Archive244.arch
M /issm/trunk-jpl/test/Archives/Archive252.arch M /issm/trunk-jpl/test/Archives/Archive253.arch
Export determination: 6.
Rationale: CHG: tighten GEMB default zY

Change #87 with diff file ISSM-24773-24774.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test252.m M /issm/trunk-jpl/test/NightlyRun/test252.py
Export determination: 6.
Rationale: CHG: loosen tols

Change #88 with diff file ISSM-24774-24775.diff:
Function name:
M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.cpp
Export determination: 6.
Rationale: BUG: Need to fence declaration of mpiTypes in source.

Change #89 with diff file ISSM-24775-24776.diff:
Function name:
M /issm/trunk-jpl/test/SandBox/test2004.m
Export determination: 6.
Rationale: CHG: slr test out of a sealevel class model, concept is working.

Change #90 with diff file ISSM-24776-24777.diff:
Function name:
A /issm/trunk-jpl/src/m/geometry/planetradius.m
Export determination: 6.
Rationale: CHG: planet radius function (according to planet type)

Change #91 with diff file ISSM-24777-24778.diff:
Function name:
A /issm/trunk-jpl/src/m/coordsystems/epsg2proj.m M /issm/trunk-jpl/src/m/coordsystems/gdaltransform.m
A /issm/trunk-jpl/src/m/coordsystems/laea.m

Export determination: 6.

Rationale: NEW/CHG: new lambert equal area routine to provide PROJ.4 string. gdal now also compatible with PROJ.4 (fixed a tiny bug). New routine to transform EPSGS code into corresponding PROJ.4 string.

Change #92 with diff file ISSM-24778-24779.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mesh2d.m M /issm/trunk-jpl/src/m/classes/mesh2dvertical.m
M /issm/trunk-jpl/src/m/classes/mesh3dprisms.m M /issm/trunk-jpl/src/m/classes/mesh3dsurface.m
M /issm/trunk-jpl/src/m/classes/mesh3dtetras.m

Export determination: 6.

Rationale: CHG: added proj field towards removing epsg field in the future.

Left epsg field for now.

Change #93 with diff file ISSM-24779-24780.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/basin.m M /issm/trunk-jpl/src/m/classes/boundary.m
M /issm/trunk-jpl/src/m/classes/sealevelmodel.m M /issm/trunk-jpl/src/m/mesh/TwoDToThreeD.m
M /issm/trunk-jpl/src/m/mesh/meshintersect3d.m

Export determination: 6.

Rationale: CHG: boundary and basin now rely on a proj string instead of an epsg code. Adds flexibility (when combined for example with laea.m routine). Transported implied changes into sealevelmodel, TwoDToThreeD and meshintersect3d. sealevelmodel is also now depending on an extrat 'planet' field, so that we can recover the right radius in TwoDToThreeD. This will pave the way for planetary bodies application such as 'Europa', 'Titan', etc...

Change #94 with diff file ISSM-24780-24781.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/modules/CoordinateSystemTransformx/Coo

Export determination: 6.

Rationale: CHG: renaming proj.4 proj

Change #95 with diff file ISSM-24781-24782.diff:

Function name:

A /issm/trunk-jpl/externalpackages/proj/proj.4 (from /issm/trunk-jpl/externalpackages/proj.4:24780)
M /issm/trunk-jpl/externalpackages/proj/proj.4/install.sh D /issm/trunk-jpl/externalpackages/proj.4
Export determination: 6.
Rationale: CHG: moved proj.4 to proj

Change #96 with diff file ISSM-24782-24783.diff:

Function name:

A /issm/trunk-jpl/externalpackages/proj/install.sh (from /issm/trunk-jpl/externalpackages/proj/proj.4/install

D /issm/trunk-jpl/externalpackages/proj/proj.4

Export determination: 6.

Rationale: CHG: moved proj.4 to proj

Change #97 with diff file ISSM-24783-24784.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh

Export determination: 6.

Rationale: CHG: moved proj.4 to proj

Change #98 with diff file ISSM-24784-24785.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #99 with diff file ISSM-24785-24786.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosx_pine-island_examples M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth

Export determination: 6.

Rationale: CHG: use install.sh for proj now

Change #100 with diff file ISSM-24786-24787.diff:

Function name:

A /issm/trunk-jpl/src/wrappers/CoordTransform A /issm/trunk-jpl/src/wrappers/CoordTransform/CoordTra
A /issm/trunk-jpl/src/wrappers/CoordTransform/CoordTransform.h M /issm/trunk-
jpl/src/wrappers/matlab/Makefile.am
Export determination: 6.
Rationale: NEW: added CoordTransform (to be tested)

Change #101 with diff file ISSM-24787-24788.diff:
Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: minor

Change #102 with diff file ISSM-24788-24789.diff:
Function name:
A /issm/trunk-jpl/src/m/modules/CoordTransform.m
Export determination: 6.
Rationale: CHG: added CoordTransform.m

Change #103 with diff file ISSM-24789-24790.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am
Export determination: 6.
Rationale: CHG: do not compile CoordTransform by default...

Change #104 with diff file ISSM-24790-24791.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-
jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Seg.h
M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/classes/Inputs2/Inputs2.cpp
M /issm/trunk-jpl/src/c/classes/Inputs2/Inputs2.h M /issm/trunk-jpl/src/c/classes/Inputs2/PentaInput2.cpp
M /issm/trunk-jpl/src/c/classes/Inputs2/PentaInput2.h M /issm/trunk-jpl/src/c/classes/Inputs2/SegInput2.c
M /issm/trunk-jpl/src/c/classes/Inputs2/SegInput2.h M /issm/trunk-jpl/src/c/classes/Inputs2/TransientInput

M /issm/trunk-jpl/src/c/classes/Inputs2/TransientInput2.h M /issm/trunk-jpl/src/c/classes/Inputs2/TriaInp
M /issm/trunk-jpl/src/c/classes/Inputs2/TriaInput2.h M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp
M /issm/trunk-jpl/src/c/cores/smb_core.cpp
Export determination: 6.
Rationale: NEW: adding several averaging methods to pass from substep to
main step

Change #105 with diff file ISSM-24791-24792.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-
jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Inputs2/Input2.h
M /issm/trunk-jpl/src/c/classes/Inputs2/TransientInput2.cpp M /issm/trunk-
jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringTo
M /issm/trunk-jpl/src/c/shared/Enum/Synchronize.sh
Export determination: 6.
Rationale: NEW: adding several averaging methods to pass from substep to
main step

Change #106 with diff file ISSM-24792-24793.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/Synchronize.sh
Export determination: 6.
Rationale: BUG:fixing path

Change #107 with diff file ISSM-24793-24794.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBcomponents.m M /issm/trunk-jpl/src/m/classes/SMBcomponents.py
M /issm/trunk-jpl/src/m/classes/SMBd18opdd.m M /issm/trunk-jpl/src/m/classes/SMBd18opdd.py
M /issm/trunk-jpl/src/m/classes/SMBforcing.py M /issm/trunk-jpl/src/m/classes/SMBgemb.m
M /issm/trunk-jpl/src/m/classes/SMBgemb.py M /issm/trunk-jpl/src/m/classes/SMBgradients.m
M /issm/trunk-jpl/src/m/classes/SMBgradients.py M /issm/trunk-jpl/src/m/classes/SMBgradientscomponen
M /issm/trunk-jpl/src/m/classes/SMBgradientscomponents.py M /issm/trunk-
jpl/src/m/classes/SMBgradientsela.m M /issm/trunk-jpl/src/m/classes/SMBgradientsela.py
M /issm/trunk-jpl/src/m/classes/SMBhenning.m M /issm/trunk-jpl/src/m/classes/SMBmeltcomponents.m
M /issm/trunk-jpl/src/m/classes/SMBmeltcomponents.py M /issm/trunk-jpl/src/m/classes/SMBpdd.m
M /issm/trunk-jpl/src/m/classes/SMBpdd.py M /issm/trunk-jpl/src/m/classes/SMBpddSicopolis.py

M /issm/trunk-jpl/src/m/classes/SMBsemic.m M /issm/trunk-jpl/src/m/classes/hydrologydc.m
M /issm/trunk-jpl/src/m/classes/hydrologydc.py
Export determination: 6.
Rationale: NEW: adding several averaging methods to pass from substep to
main step

Change #108 with diff file ISSM-24794-24795.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:syntax fix

Change #109 with diff file ISSM-24795-24796.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test243.py M /issm/trunk-jpl/test/NightlyRun/test318.py

M /issm/trunk-jpl/test/NightlyRun/test900.py

Export determination: 6.

Rationale: CHG:syntax and matlab equality

Change #110 with diff file ISSM-24796-24797.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/Synchronize.sh

Export determination: 6.

Rationale: BUG:some more personal path fix

Change #111 with diff file ISSM-24797-24798.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added averaging to SMBforcing

Change #112 with diff file ISSM-24798-24799.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBgemb.m
Export determination: 6.
Rationale: BUG: Extra comma

Change #113 with diff file ISSM-24799-24800.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/SMBpdd.m
Export determination: 6.
Rationale: BUG: Extra comma

Change #114 with diff file ISSM-24800-24801.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/SMBcomponents.m M /issm/trunk-jpl/src/m/classes/SMBd18opdd.m
M /issm/trunk-jpl/src/m/classes/SMBgradients.m M /issm/trunk-jpl/src/m/classes/SMBgradientscomponent
M /issm/trunk-jpl/src/m/classes/SMBgradientsela.m M /issm/trunk-jpl/src/m/classes/SMBhenning.m
M /issm/trunk-jpl/src/m/classes/SMBmeltcomponents.m M /issm/trunk-jpl/src/m/classes/SMBsemic.m
M /issm/trunk-jpl/src/m/classes/hydrologydc.m
Export determination: 6.
Rationale: BUG: Extra comma

Change #115 with diff file ISSM-24801-24802.diff:

Function name:
M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth
Export determination: 6.
Rationale: CHG: Reverting PROJ version install script

Change #116 with diff file ISSM-24802-24803.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/SMBgemb.m
Export determination: 6.
Rationale: BUG: Unbalanced parens.

Change #117 with diff file ISSM-24803-24804.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBcomponents.m M /issm/trunk-jpl/src/m/classes/SMBd18opdd.m
M /issm/trunk-jpl/src/m/classes/SMBforcing.m M /issm/trunk-jpl/src/m/classes/SMBgradients.m
M /issm/trunk-jpl/src/m/classes/SMBgradientscomponents.m M /issm/trunk-jpl/src/m/classes/SMBgradientsela.m M /issm/trunk-jpl/src/m/classes/SMBhenning.m
M /issm/trunk-jpl/src/m/classes/SMBmeltcomponents.m M /issm/trunk-jpl/src/m/classes/SMBpdd.m
M /issm/trunk-jpl/src/m/classes/SMBpddSicopolis.m M /issm/trunk-jpl/src/m/classes/SMBsemic.m
M /issm/trunk-jpl/src/m/classes/hydrologydc.m

Export determination: 6.

Rationale: BUG: Unbalanced parens.

Change #118 with diff file ISSM-24804-24805.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: suppress output

Change #119 with diff file ISSM-24805-24806.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing 245

Change #120 with diff file ISSM-24806-24807.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBcomponents.m M /issm/trunk-jpl/src/m/classes/SMBd18opdd.m
M /issm/trunk-jpl/src/m/classes/SMBforcing.m M /issm/trunk-jpl/src/m/classes/SMBgemb.m
M /issm/trunk-jpl/src/m/classes/SMBgradients.m M /issm/trunk-jpl/src/m/classes/SMBgradientscomponent
M /issm/trunk-jpl/src/m/classes/SMBgradientsela.m M /issm/trunk-jpl/src/m/classes/SMBhenning.m
M /issm/trunk-jpl/src/m/classes/SMBmeltcomponents.m M /issm/trunk-jpl/src/m/classes/SMBpdd.m
M /issm/trunk-jpl/src/m/classes/SMBpddSicopolis.m M /issm/trunk-jpl/src/m/classes/SMBsemic.m

Export determination: 6.

Rationale: BUG: minor tweak to display format

Change #121 with diff file ISSM-24807-24808.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/clusters/stallo.py
Export determination: 6.
Rationale: CHG: update to stallo SLURM keywords

Change #122 with diff file ISSM-24808-24809.diff:

Function name:
M /issm/trunk-jpl/src/m/consistency/checkfield.py M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/exp
Export determination: 6.
Rationale: CHG: minor tweaks and display formatting

Change #123 with diff file ISSM-24809-24810.diff:

Function name:
M /issm/trunk-jpl/test/SandBox/test2004.m
Export determination: 6.
Rationale: CHG: converging towards a final version.

Change #124 with diff file ISSM-24810-24811.diff:

Function name:
M /issm/trunk-jpl/externalpackages/dakota/install-6.2-linux.sh A /issm/trunk-jpl/externalpackages/gsl/install-1.15-linux.sh M /issm/trunk-jpl/jenkins/ross-debian_linux-codipack M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: Working on turning on QUESO by default for Dakota.

Change #125 with diff file ISSM-24811-24812.diff:

Function name:
M /issm/trunk-jpl/jenkins/ross-debian_linux-codipack M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: Cleanup of GSL install scripts for Linux

Change #126 with diff file ISSM-24812-24813.diff:
Function name:
A /issm/trunk-jpl/externalpackages/gsl/install-linux.sh
Export determination: 6.
Rationale: CHG: Cleanup of GSL install scripts for Linux

Change #127 with diff file ISSM-24813-24814.diff:
Function name:
D /issm/trunk-jpl/externalpackages/dakota/install-6.2-aurora.sh D /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64-static.sh D /issm/trunk-jpl/externalpackages/gsl/install-1.15-linux.sh D /issm/trunk-jpl/externalpackages/gsl/install-linux64.sh
Export determination: 6.
Rationale: CHG: Cleanup

Change #128 with diff file ISSM-24814-24815.diff:
Function name:
M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-with_dakota
Export determination: 6.
Rationale: CHG: Working on turning on QUESO by default for Dakota.

Change #129 with diff file ISSM-24815-24816.diff:
Function name:
A /issm/trunk-jpl/externalpackages/gsl/install-linux-static.sh
Export determination: 6.
Rationale: CHG: Working on turning on QUESO by default for Dakota.

Change #130 with diff file ISSM-24816-24817.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp
Export determination: 6.
Rationale: BUG:fixing a message display

Change #131 with diff file ISSM-24817-24818.diff:

Function name:

A /issm/trunk-jpl/src/m/coordsystems/flaglatlongradius.m

Export determination: 6.

Rationale: CHG: determine all vertices within a radius of a certain lat,long center.

Change #132 with diff file ISSM-24818-24819.diff:

Function name:

A /issm/trunk-jpl/src/m/coordsystems/projlatlong.m A /issm/trunk-jpl/src/m/coordsystems/projtype.m

Export determination: 6.

Rationale: CHG: out of PROJ.4 string, determine lat,long and type of projection.

Change #133 with diff file ISSM-24819-24820.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m M /issm/trunk-jpl/test/NightlyRun/test2085.m

M /issm/trunk-jpl/test/NightlyRun/test218.m M /issm/trunk-jpl/test/NightlyRun/test234.m

M /issm/trunk-jpl/test/NightlyRun/test235.m M /issm/trunk-jpl/test/NightlyRun/test244.m

M /issm/trunk-jpl/test/NightlyRun/test250.m M /issm/trunk-jpl/test/NightlyRun/test251.m

M /issm/trunk-jpl/test/NightlyRun/test412.m M /issm/trunk-jpl/test/NightlyRun/test413.m

M /issm/trunk-jpl/test/NightlyRun/test414.m M /issm/trunk-jpl/test/NightlyRun/test417.m

M /issm/trunk-jpl/test/NightlyRun/test420.m M /issm/trunk-jpl/test/NightlyRun/test440.m

M /issm/trunk-jpl/test/NightlyRun/test444.m M /issm/trunk-jpl/test/NightlyRun/test445.m

Export determination: 6.

Rationale: CHG: starting to simplify qmu classes, adapting to ISSM code style.

Starting with normal uncertain, using a different constructor type. Reflecting changes in all the Dakota nightly runs.

Change #134 with diff file ISSM-24820-24821.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/continuous_design.m M /issm/trunk-jpl/src/m/classes/qmu/normal_un

M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu.m

Export determination: 6.

Rationale: CHG: introduction of consistency checks in the qmu classes.

Change #135 with diff file ISSM-24821-24822.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test412.m M /issm/trunk-jpl/test/NightlyRun/test413.m

Export determination: 6.

Rationale: CHG: fixed bug where mean was not what it used to be.

Change #136 with diff file ISSM-24822-24823.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added comment.

Change #137 with diff file ISSM-24823-24824.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m

Export determination: 6.

Rationale: CHG: better display for normal_uncertain variable.

Change #138 with diff file ISSM-24824-24825.diff:

Function name:

M /issm/trunk-jpl/externalpackages/boost/install-1.55-linux-static.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-linux.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-mac-static.sh M /issm/trunk-jpl/externalpackages/boost/install-1.55-mac.sh

M /issm/trunk-jpl/externalpackages/boost/install-1.55-stallo.sh A /issm/trunk-jpl/externalpackages/boost/install-1.7-linux-static.sh A /issm/trunk-jpl/externalpackages/boost/install-1.7-linux.sh A /issm/trunk-jpl/externalpackages/boost/install-1.7-mac-static.sh

A /issm/trunk-jpl/externalpackages/boost/install-1.7-mac.sh D /issm/trunk-jpl/externalpackages/boost/install-1.72-linux-static.sh D /issm/trunk-jpl/externalpackages/boost/install-1.72-linux.sh

D /issm/trunk-jpl/externalpackages/boost/install-1.72-mac-static.sh D /issm/trunk-jpl/externalpackages/boost/install-1.72-mac.sh

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

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

D /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh A /issm/trunk-jpl/externalpackages/gsl/install.sh

M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-with_dakota M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-with_dakota

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

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

Export determination: 6.

Rationale: CHG: Using Boost 1.7 across all Dakota builds; cleanup

Change #139 with diff file ISSM-24825-24826.diff:

Function name:

D /issm/trunk-jpl/externalpackages/gsl/install-linux-static.sh D /issm/trunk-jpl/externalpackages/gsl/install-linux.sh D /issm/trunk-jpl/externalpackages/gsl/install-macosx64.sh

Export determination: 6.

Rationale: DEL: Cleanup

Change #140 with diff file ISSM-24826-24827.diff:

Function name:

A /issm/trunk-jpl/externalpackages/gsl/install-static.sh

Export determination: 6.

Rationale: ADD: Static installation script (was being ignored for some reason)

Change #141 with diff file ISSM-24827-24828.diff:

Function name:

M /issm/trunk-jpl/externalpackages/gsl

Export determination: 6.

Rationale: CHG: Still out of sync

Change #142 with diff file ISSM-24828-24829.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-jpl/scripts/test-issm-linux-binaries-with_dakota.sh

M /issm/trunk-jpl/scripts/test-issm-mac-binaries-with_dakota.sh

Export determination: 6.

Rationale: CHG: Updated test suites

Change #143 with diff file ISSM-24829-24830.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_caladan_ad M /issm/trunk-jpl/jenkins/linux64_caladan_ampi
M /issm/trunk-jpl/jenkins/ross-debian_linux-adolc-ampioff M /issm/trunk-jpl/jenkins/ross-
debian_linux-adolc-ampion
Export determination: 6.
Rationale: CHG: Needed to update simplified GSL install script name.

Change #144 with diff file ISSM-24830-24831.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu/uniform_un

Export determination: 6.

Rationale: CHG: cleaneup classes, with semblant of partition code not activated
yet. Goal long term is to take out md.qmu.vpartition and md.qmu.epartition
and to stick it into the md.qmu.variables themselves.

Change #145 with diff file ISSM-24831-24832.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/Makefile

Export determination: 6.

Rationale: CHG: minor chage, better clean target.

Change #146 with diff file ISSM-24832-24833.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Added QUESO.

Change #147 with diff file ISSM-24833-24834.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Missing parameter keys.

Change #148 with diff file ISSM-24834-24835.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test418.py
Export determination: 6.
Rationale: CHG: Better description of error

Change #149 with diff file ISSM-24835-24836.diff:

Function name:
M /issm/trunk-jpl/src/m/qmu/expandvariables.m
Export determination: 6.
Rationale: CHG: better code style.

Change #150 with diff file ISSM-24836-24837.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m A /issm/trunk-jpl/src/m/classes/qmu/partition.m
M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.m M /issm/trunk-jpl/src/m/qmu/setupdesign/Qmu
M /issm/trunk-jpl/test/NightlyRun/test218.m M /issm/trunk-jpl/test/NightlyRun/test234.m
M /issm/trunk-jpl/test/NightlyRun/test235.m M /issm/trunk-jpl/test/NightlyRun/test244.m
M /issm/trunk-jpl/test/NightlyRun/test250.m M /issm/trunk-jpl/test/NightlyRun/test251.m
M /issm/trunk-jpl/test/NightlyRun/test412.m M /issm/trunk-jpl/test/NightlyRun/test413.m
M /issm/trunk-jpl/test/NightlyRun/test414.m M /issm/trunk-jpl/test/NightlyRun/test417.m
M /issm/trunk-jpl/test/NightlyRun/test444.m M /issm/trunk-jpl/test/NightlyRun/test445.m
Export determination: 6.
Rationale: CHG: introducing new partition vector in the normal_uncertain and
uniform_uncertain classes.

Change #151 with diff file ISSM-24837-24838.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m
Export determination: 6.
Rationale: CHG: removed debugging statement.

Change #152 with diff file ISSM-24838-24839.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test250.m
Export determination: 6.

Rationale: CHG: reestablishing standard deviation that used to be .1 .

Change #153 with diff file ISSM-24839-24840.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/response_function.m M /issm/trunk-jpl/src/m/qmu/preqmu.m
M /issm/trunk-jpl/test/NightlyRun/test218.m M /issm/trunk-jpl/test/NightlyRun/test234.m
M /issm/trunk-jpl/test/NightlyRun/test235.m M /issm/trunk-jpl/test/NightlyRun/test244.m
M /issm/trunk-jpl/test/NightlyRun/test250.m M /issm/trunk-jpl/test/NightlyRun/test251.m
M /issm/trunk-jpl/test/NightlyRun/test412.m M /issm/trunk-jpl/test/NightlyRun/test413.m
M /issm/trunk-jpl/test/NightlyRun/test414.m M /issm/trunk-jpl/test/NightlyRun/test417.m
M /issm/trunk-jpl/test/NightlyRun/test420.m M /issm/trunk-jpl/test/NightlyRun/test440.m
M /issm/trunk-jpl/test/NightlyRun/test444.m M /issm/trunk-jpl/test/NightlyRun/test445.m

Export determination: 6.

Rationale: CHG: response function now includes a partition vector. Updated preqmu accordingly, trying to remove md.qmu.partition as much as possible.

Change #154 with diff file ISSM-24840-24841.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test235.m

Export determination: 6.

Rationale: CHG: fixing bad typo.

Change #155 with diff file ISSM-24841-24842.diff:

Function name:

D /issm/trunk-jpl/src/m/qmu/qmumarshal.m

Export determination: 6.

Rationale: CHG: I do not believe this was ever needed.

Change #156 with diff file ISSM-24842-24843.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_caladan M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-with_dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth

Export determination: 6.

Rationale: CHG: Using Boost 1.7 now.

Change #157 with diff file ISSM-24843-24844.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/larour/glacier_inventory.m

Export determination: 6.

Rationale: NEW: glacier inventory class, to avoid big mistakes.

Change #158 with diff file ISSM-24844-24845.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/larour/glacier_inventory.m

Export determination: 6.

Rationale: CHG: diverse

Change #159 with diff file ISSM-24845-24846.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/larour/isintriangle.m

Export determination: 6.

Rationale: CHG: diverse

Change #160 with diff file ISSM-24846-24847.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/larour/glacier_inventory.m

Export determination: 6.

Rationale: CHG: diverse

Change #161 with diff file ISSM-24847-24848.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu/normal_und

Export determination: 6.

Rationale: CHG: Translation of changes to MATLAB-¿Python.

Change #162 with diff file ISSM-24848-24849.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/larour/glacier_inventory.m A /issm/trunk-jpl/src/m/contrib/larour/glaciern

Export determination: 6.

Rationale: CHG: diverse

Change #163 with diff file ISSM-24849-24850.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.py

Export determination: 6.

Rationale: CHG: Reverting for now as there are a lot more dependent modules to translate.

Change #164 with diff file ISSM-24850-24851.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/larour/glacier_inventory.m

Export determination: 6.

Rationale: CHG: diverse

Change #165 with diff file ISSM-24851-24852.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/larour/glacier_inventory.m M /issm/trunk-jpl/src/m/contrib/larour/glaciern

Export determination: 6.

Rationale: CHG: final versions of glaciermip and rgi classes.

Change #166 with diff file ISSM-24852-24853.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mesh3dsurface.m

Export determination: 6.

Rationale: CHG: introduced shp export routine, should be handled by meshes.

Change #167 with diff file ISSM-24853-24854.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/larour/exportpoint.m M /issm/trunk-jpl/src/m/contrib/larour/glacier_inven
Export determination: 6.
Rationale: CHG: some serious debugging of the connectivity methods.

Change #168 with diff file ISSM-24854-24855.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/larour/glacier_inventory.m
Export determination: 6.
Rationale: CHG: cleaned up the names and methods

Change #169 with diff file ISSM-24855-24856.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/larour/glacier_inventory.m A /issm/trunk-jpl/src/m/contrib/larour/isintriari
A /issm/trunk-jpl/src/m/contrib/larour/isintrianglearraytotal.m
Export determination: 6.
Rationale: CHG: considerable speed up + 2D connectivity method.

Change #170 with diff file ISSM-24856-24857.diff:
Function name:
M /issm/trunk-jpl/scripts/ol.m
Export determination: 6.
Rationale: CHG: allow for 'i' in the range, when the runme file gets really big.

Change #171 with diff file ISSM-24857-24858.diff:
Function name:
A /issm/trunk-jpl/src/m/contrib/larour/proj2shpproj.m
Export determination: 6.
Rationale: CHG: create .prj file for Lambert Azimuthal Equal Area PROJ4
projection string.

Change #172 with diff file ISSM-24858-24859.diff:
Function name:
A /issm/trunk-jpl/src/m/contrib/larour/applyqgisstyle.m M /issm/trunk-jpl/src/m/contrib/larour/proj2shpp

Export determination: 6.
Rationale: CHG: some qgis processing files.

Change #173 with diff file ISSM-24859-24860.diff:

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

Change #174 with diff file ISSM-24860-24861.diff:

Function name:
A /issm/trunk-jpl/src/m/archive/functionSignatures.json
Export determination: 6.
Rationale: CHG: added json file for MATLAB autocomplete

Change #175 with diff file ISSM-24861-24862.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseA
M /issm/trunk-jpl/src/c/analyses/GLheightadvectionAnalysis.cpp M /issm/trunk-
jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAn
M /issm/trunk-jpl/src/c/analyses/HydrologyPismAnalysis.cpp M /issm/trunk-
jpl/src/c/analyses/HydrologyShaktiAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnal
M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAn
M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-
jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Seg.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp
M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRateP
M /issm/trunk-jpl/src/c/modules/GroundinglineMigrationx/GroundinglineMigrationx.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/StringToL
M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.m M /issm/trunk-
jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py M /issm/trunk-jpl/src/m/classes/flowequation.m
M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/classes/geometry.m
M /issm/trunk-jpl/src/m/classes/geometry.py M /issm/trunk-jpl/src/m/classes/groundingline.m

M /issm/trunk-jpl/src/m/classes/groundingline.py M /issm/trunk-jpl/src/m/classes/mask.m
M /issm/trunk-jpl/src/m/classes/mask.py M /issm/trunk-jpl/src/m/classes/maskpsl.m
M /issm/trunk-jpl/src/m/classes/maskpsl.py M /issm/trunk-jpl/src/m/classes/model.m
M /issm/trunk-jpl/src/m/classes/model.py M /issm/trunk-jpl/src/m/classes/stressbalance.m
M /issm/trunk-jpl/src/m/classes/stressbalance.py M /issm/trunk-jpl/src/m/contrib/larour/ecco/MeltingGroun
M /issm/trunk-jpl/src/m/contrib/morlighem/dassflow/exportgmsh.m M /issm/trunk-
jpl/src/m/contrib/tsantos/mismip/gl_position.m M /issm/trunk-jpl/src/m/contrib/tsantos/mismip/gl_positio
M /issm/trunk-jpl/src/m/contrib/tsantos/remesh.m M /issm/trunk-jpl/src/m/geometry/VolumeAboveFloatat
M /issm/trunk-jpl/src/m/mesh/TwoDToThreeD.m M /issm/trunk-jpl/src/m/mesh/modelmerge2d.m
M /issm/trunk-jpl/src/m/miscellaneous/diagnostics.m M /issm/trunk-jpl/src/m/miscellaneous/transientrestar
M /issm/trunk-jpl/src/m/parameterization/killberg.m M /issm/trunk-jpl/src/m/parameterization/sethydrosta
M /issm/trunk-jpl/src/m/parameterization/sethydrostaticmask.py M /issm/trunk-
jpl/src/m/parameterization/setmask.m M /issm/trunk-jpl/src/m/parameterization/setmask.py
M /issm/trunk-jpl/src/m/regional/BasinConstrainShelf.m
Export determination: 6.
Rationale: CHG: renaming groundedice_levelset -j ocean_levelset (negative if
ocean present, positive outside

Change #176 with diff file ISSM-24862-24863.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2002.m M /issm/trunk-jpl/test/NightlyRun/test2002.py
M /issm/trunk-jpl/test/NightlyRun/test2003.m M /issm/trunk-jpl/test/NightlyRun/test2003.py
M /issm/trunk-jpl/test/NightlyRun/test2010.m M /issm/trunk-jpl/test/NightlyRun/test2010.py
M /issm/trunk-jpl/test/NightlyRun/test2101.m M /issm/trunk-jpl/test/NightlyRun/test2101.py
M /issm/trunk-jpl/test/NightlyRun/test2110.m M /issm/trunk-jpl/test/NightlyRun/test2110.py
M /issm/trunk-jpl/test/NightlyRun/test2111.m M /issm/trunk-jpl/test/NightlyRun/test2111.py
M /issm/trunk-jpl/test/NightlyRun/test2112.m M /issm/trunk-jpl/test/NightlyRun/test2112.py
M /issm/trunk-jpl/test/NightlyRun/test2113.m M /issm/trunk-jpl/test/NightlyRun/test2113.py
M /issm/trunk-jpl/test/NightlyRun/test2424.m M /issm/trunk-jpl/test/NightlyRun/test2424.py
M /issm/trunk-jpl/test/NightlyRun/test3480.m M /issm/trunk-jpl/test/NightlyRun/test3481.m
M /issm/trunk-jpl/test/NightlyRun/test4001.m M /issm/trunk-jpl/test/NightlyRun/test4002.m
M /issm/trunk-jpl/test/NightlyRun/test4003.m M /issm/trunk-jpl/test/NightlyRun/test408.m
M /issm/trunk-jpl/test/NightlyRun/test408.py M /issm/trunk-jpl/test/NightlyRun/test423.m
M /issm/trunk-jpl/test/NightlyRun/test423.py M /issm/trunk-jpl/test/NightlyRun/test424.m
M /issm/trunk-jpl/test/NightlyRun/test424.py M /issm/trunk-jpl/test/NightlyRun/test425.m
M /issm/trunk-jpl/test/NightlyRun/test425.py M /issm/trunk-jpl/test/NightlyRun/test426.m
M /issm/trunk-jpl/test/NightlyRun/test426.py M /issm/trunk-jpl/test/NightlyRun/test427.m
M /issm/trunk-jpl/test/NightlyRun/test427.py M /issm/trunk-jpl/test/NightlyRun/test430.m
M /issm/trunk-jpl/test/NightlyRun/test430.py M /issm/trunk-jpl/test/NightlyRun/test433.m
M /issm/trunk-jpl/test/NightlyRun/test433.py M /issm/trunk-jpl/test/NightlyRun/test435.m
M /issm/trunk-jpl/test/NightlyRun/test435.py M /issm/trunk-jpl/test/NightlyRun/test441.m
M /issm/trunk-jpl/test/NightlyRun/test441.py M /issm/trunk-jpl/test/NightlyRun/test442.m
M /issm/trunk-jpl/test/NightlyRun/test442.py M /issm/trunk-jpl/test/NightlyRun/test443.m

M /issm/trunk-jpl/test/NightlyRun/test443.py M /issm/trunk-jpl/test/NightlyRun/test444.m
M /issm/trunk-jpl/test/NightlyRun/test444.py M /issm/trunk-jpl/test/NightlyRun/test470.m
M /issm/trunk-jpl/test/NightlyRun/test471.m M /issm/trunk-jpl/test/NightlyRun/test472.m
M /issm/trunk-jpl/test/NightlyRun/test473.m M /issm/trunk-jpl/test/NightlyRun/test474.m
M /issm/trunk-jpl/test/NightlyRun/test475.m M /issm/trunk-jpl/test/NightlyRun/test476.m
M /issm/trunk-jpl/test/NightlyRun/test511.m M /issm/trunk-jpl/test/NightlyRun/test511.py
M /issm/trunk-jpl/test/NightlyRun/test613.m M /issm/trunk-jpl/test/NightlyRun/test613.py
M /issm/trunk-jpl/test/NightlyRun/test701.m M /issm/trunk-jpl/test/NightlyRun/test701.py
M /issm/trunk-jpl/test/NightlyRun/test702.m M /issm/trunk-jpl/test/NightlyRun/test702.py
M /issm/trunk-jpl/test/NightlyRun/test703.m M /issm/trunk-jpl/test/NightlyRun/test703.py
M /issm/trunk-jpl/test/Par/79North.py M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.py
M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksCD.py M /issm/trunk-jpl/test/Par/ISMIPA.py
M /issm/trunk-jpl/test/Par/ISMIPB.py M /issm/trunk-jpl/test/Par/ISMIPC.py
M /issm/trunk-jpl/test/Par/ISMIPD.py M /issm/trunk-jpl/test/Par/IceCube.py
M /issm/trunk-jpl/test/Par/Pig.py M /issm/trunk-jpl/test/Par/RoundSheetShelf.py
M /issm/trunk-jpl/test/Par/RoundSheetStaticEISMINT.py M /issm/trunk-jpl/test/Par/SquareEISMINT.py
M /issm/trunk-jpl/test/Par/SquareNoDyn.py M /issm/trunk-jpl/test/Par/SquareSheetConstrained.py
M /issm/trunk-jpl/test/Par/SquareSheetConstrainedCO2.py M /issm/trunk-
jpl/test/Par/SquareSheetShelf.py M /issm/trunk-jpl/test/Par/SquareShelf.py
M /issm/trunk-jpl/test/Par/SquareShelf2.py M /issm/trunk-jpl/test/Par/SquareShelfConstrained.py
M /issm/trunk-jpl/test/Par/SquareThermal.py M /issm/trunk-jpl/test/Par/ValleyGlacierShelf.py
Export determination: 6.
Rationale: CHG: renaming groundedice_levelset -i ocean_levelset (negative if
ocean present, positive outside

Change #177 with diff file ISSM-24863-24864.diff:

Function name:

M /issm/trunk-jpl/test/Par/79North.par M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.par
M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksCD.par M /issm/trunk-jpl/test/Par/ISMIPA.par
M /issm/trunk-jpl/test/Par/ISMIPB.par M /issm/trunk-jpl/test/Par/ISMIPC.par
M /issm/trunk-jpl/test/Par/ISMIPD.par M /issm/trunk-jpl/test/Par/IceCube.par
M /issm/trunk-jpl/test/Par/Pig.par M /issm/trunk-jpl/test/Par/RoundSheetShelf.par
M /issm/trunk-jpl/test/Par/RoundSheetStaticEISMINT.par M /issm/trunk-jpl/test/Par/SquareEISMINT.pa
M /issm/trunk-jpl/test/Par/SquareNoDyn.par M /issm/trunk-jpl/test/Par/SquareSheetConstrained.par
M /issm/trunk-jpl/test/Par/SquareSheetConstrainedCO2.par M /issm/trunk-
jpl/test/Par/SquareSheetShelf.par M /issm/trunk-jpl/test/Par/SquareShelf.par
M /issm/trunk-jpl/test/Par/SquareShelf2.par M /issm/trunk-jpl/test/Par/SquareShelfConstrained.par
M /issm/trunk-jpl/test/Par/SquareThermal.par M /issm/trunk-jpl/test/Par/ValleyGlacierShelf.par
M /issm/trunk-jpl/test/SandBox/test2004.m
Export determination: 6.
Rationale: CHG: renaming groundedice_levelset -i ocean_levelset (negative if
ocean present, positive outside

Change #178 with diff file ISSM-24864-24865.diff:

Function name:

M /issm/trunk-jpl/examples/AMR/mismip.par M /issm/trunk-jpl/examples/EsaGRACE/runme.m
M /issm/trunk-jpl/examples/EsaWahr/runme.m M /issm/trunk-jpl/examples/Greenland/Greenland.par
M /issm/trunk-jpl/examples/ISMIP/CheatyRunme.m M /issm/trunk-jpl/examples/IceBridge/Greenland.par
M /issm/trunk-jpl/examples/IceBridge/Greenland_noOIB.par M /issm/trunk-jpl/examples/IceBridge/Greenland_solution.par M /issm/trunk-jpl/examples/IceflowModels/EISMINT.par
M /issm/trunk-jpl/examples/IceflowModels/SquareShelf.par M /issm/trunk-jpl/examples/Inversion/Square.par
M /issm/trunk-jpl/examples/Jakobshavn/Jks.par M /issm/trunk-jpl/examples/LcurveAnalysis/Square.par
M /issm/trunk-jpl/examples/Pig/Pig.par M /issm/trunk-jpl/examples/Pig/runme.m
M /issm/trunk-jpl/examples/Pig2/Pig.par M /issm/trunk-jpl/examples/Pig2/runme.m
M /issm/trunk-jpl/examples/PigSensitivity/runme.m M /issm/trunk-jpl/examples/SlrFarrell/runme.m
M /issm/trunk-jpl/examples/SlrGRACE/runme.m M /issm/trunk-jpl/examples/SlrGRACE_NIMS/runme.m
M /issm/trunk-jpl/examples/SquareIceShelf/Square.par

Export determination: 6.

Rationale: CHG: renaming groundedice_levelset -i_ ocean_levelset (negative if ocean present, positive outside)

Change #179 with diff file ISSM-24865-24866.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added NoBoundaryRefinement capability to not refine internal subdomain boundaries. Added NoBoundaryRefinementAllBoundaries which is the old behaviour now.

Change #180 with diff file ISSM-24866-24867.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/flowequation.js M /issm/trunk-jpl/src/m/classes/groundingline.js
M /issm/trunk-jpl/src/m/classes/mask.js M /issm/trunk-jpl/src/m/classes/maskpsl.js
M /issm/trunk-jpl/src/m/classes/maskpsl.m M /issm/trunk-jpl/src/m/classes/maskpsl.py
M /issm/trunk-jpl/src/m/classes/model.js M /issm/trunk-jpl/src/m/classes/stressbalance.js
M /issm/trunk-jpl/src/m/parameterization/setmask.js

Export determination: 6.

Rationale: CHG: renaming groundedice_levelset -i_ ocean_levelset (negative if ocean present, positive outside)

Change #181 with diff file ISSM-24867-24868.diff:

Function name:

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

M /issm/trunk-jpl/src/m/classes/mask.py M /issm/trunk-jpl/src/m/classes/maskpsl.js

Export determination: 6.

Rationale: CHG: renaming groundedice_levelset -i ocean_levelset (negative if ocean present, positive outside)

Change #182 with diff file ISSM-24868-24869.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: allow backward compatibility

Change #183 with diff file ISSM-24869-24870.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: allow backward compatibility

Change #184 with diff file ISSM-24870-24871.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m

M /issm/trunk-jpl/src/m/classes/qmu/partition_npart.m A /issm/trunk-jpl/src/m/classes/qmu/partition_npart.m

M /issm/trunk-jpl/src/m/classes/qmu/response_function.m M /issm/trunk-jpl/src/m/classes/qmu/response_function.m

M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.m

M /issm/trunk-jpl/src/m/qmu/dakota_in_write.m M /issm/trunk-jpl/src/m/qmu/dakota_in_write.py

M /issm/trunk-jpl/src/m/qmu/expandvariables.m M /issm/trunk-jpl/src/m/qmu/expandvariables.py

M /issm/trunk-jpl/src/m/qmu/helpers.py M /issm/trunk-jpl/src/m/qmu/importancefactors.m

M /issm/trunk-jpl/src/m/qmu/importancefactors.py M /issm/trunk-jpl/src/m/qmu/preqmu.py

M /issm/trunk-jpl/src/m/qmu/rlist_write.py M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVariables.m

M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVariables.py M /issm/trunk-jpl/src/m/qmu/vlist_write.m

M /issm/trunk-jpl/src/m/qmu/vlist_write.py M /issm/trunk-jpl/test/NightlyRun/test218.py

M /issm/trunk-jpl/test/NightlyRun/test234.py M /issm/trunk-jpl/test/NightlyRun/test244.py

M /issm/trunk-jpl/test/NightlyRun/test250.py M /issm/trunk-jpl/test/NightlyRun/test251.py

M /issm/trunk-jpl/test/NightlyRun/test412.m M /issm/trunk-jpl/test/NightlyRun/test412.py

M /issm/trunk-jpl/test/NightlyRun/test413.py M /issm/trunk-jpl/test/NightlyRun/test414.py

M /issm/trunk-jpl/test/NightlyRun/test417.py M /issm/trunk-jpl/test/NightlyRun/test420.py

M /issm/trunk-jpl/test/NightlyRun/test440.py

M /issm/trunk-jpl/test/NightlyRun/test444.py M /issm/trunk-jpl/test/NightlyRun/test445.m
M /issm/trunk-jpl/test/NightlyRun/test445.py
Export determination: 6.
Rationale: CHG: Translated MATLAB changes to Python that allow for distributing variable over partition.

Change #185 with diff file ISSM-24871-24872.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test235.py
Export determination: 6.
Rationale: CHG: Missed commit of changes to this test.

Change #186 with diff file ISSM-24872-24873.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test413.py
Export determination: 6.
Rationale: BUG: Incorrect value for nuv stddev.

Change #187 with diff file ISSM-24873-24874.diff:
Function name:
M /issm/trunk-jpl/src/m/array/MatlabArray.py M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.py
M /issm/trunk-jpl/src/m/classes/qmu/response_function.py M /issm/trunk-jpl/src/m/classes/qmu/uniform_u
M /issm/trunk-jpl/src/m/qmu/expandresponses.py M /issm/trunk-jpl/src/m/qmu/importancefactors.m
M /issm/trunk-jpl/src/m/qmu/importancefactors.py
Export determination: 6.
Rationale: BUG: Python version of allequal() was not doing what was intended;
cleanup

Change #188 with diff file ISSM-24874-24875.diff:
Function name:
A /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpShepherd2019.m
A /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpSmith2020.m
Export determination: 6.
Rationale: NEW: new interp for dhdt - Shepherd et al, 2019, Smith et al., 2020

Change #189 with diff file ISSM-24875-24876.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpSmith2020.m

Export determination: 6.

Rationale: CHG: minor

Change #190 with diff file ISSM-24876-24877.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Faulty test for macOS.

Change #191 with diff file ISSM-24877-24878.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh

Export determination: 6.

Rationale: BUG: make this work with zsh

Change #192 with diff file ISSM-24878-24879.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/larour/applyqgisstyle.m A /issm/trunk-jpl/src/m/contrib/larour/contourad

A /issm/trunk-jpl/src/m/contrib/larour/epsg34132shpproj.m M /issm/trunk-jpl/src/m/contrib/larour/glacier_

Export determination: 6.

Rationale: CHG: some more capabilities.

Change #193 with diff file ISSM-24879-24880.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/larour/glacier_inventory.m

Export determination: 6.

Rationale: CHG: implemented read_contours.m routine.

Change #194 with diff file ISSM-24880-24881.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/larour/glacier_inventory.m A /issm/trunk-jpl/src/m/contrib/larour/mdanal
A /issm/trunk-jpl/src/m/contrib/larour/mdanalysis.m
Export determination: 6.
Rationale: CHG: viewer for sea level models.

Change #195 with diff file ISSM-24881-24882.diff:
Function name:
A /issm/trunk-jpl/src/m/contrib/larour/graticule.m
Export determination: 6.
Rationale: NEW: graticule routine for 3d sea level plots.

Change #196 with diff file ISSM-24882-24883.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_coastlines.m
Export determination: 6.
Rationale: CHG: extended plot coastlines to 2D plots too.

Change #197 with diff file ISSM-24883-24884.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/organizer.m
Export determination: 6.
Rationale: CHG: new reset routine to be used when you want organizer to span several files.

Change #198 with diff file ISSM-24884-24885.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/mesh2d.m
Export determination: 6.
Rationale: CHG: added export routine to output shapefiles.

Change #199 with diff file ISSM-24885-24886.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/mesh3dsurface.m

Export determination: 6.

Rationale: NEW: added new export routine to export 3D shape files in lat,long coordinates.

Change #200 with diff file ISSM-24886-24887.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added functionality to support mdanalysis routine, viewer.

Change #201 with diff file ISSM-24887-24888.diff:

Function name:

A /issm/trunk-jpl/src/m/coordsystems/flaglatlongradiuselements.m A /issm/trunk-jpl/src/m/coordsystems/flagradiuselements.m

Export determination: 6.

Rationale: NEW: new ways of flagging elements around a certain radius of another element. In lat long and in cartesian.

Change #202 with diff file ISSM-24888-24889.diff:

Function name:

A /issm/trunk-jpl/src/m/units A /issm/trunk-jpl/src/m/units/sletogt.m

Export determination: 6.

Rationale: NEW: new routines to handle unit conversions.

Change #203 with diff file ISSM-24889-24890.diff:

Function name:

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

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

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

D /issm/trunk-jpl/src/m/classes/maskpsl.js D /issm/trunk-jpl/src/m/classes/maskpsl.m

D /issm/trunk-jpl/src/m/classes/maskpsl.py M /issm/trunk-jpl/src/m/classes/slr.m

M /issm/trunk-jpl/test/NightlyRun/test2002.m M /issm/trunk-jpl/test/NightlyRun/test2003.m

M /issm/trunk-jpl/test/NightlyRun/test2010.m

Export determination: 6.

Rationale: CHG: removed maskpsl, switched groundedice_levelset to ocean_levelset (thanks Mathieu!). Adapted tests 2002 to 2010

Change #204 with diff file ISSM-24890-24891.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2002.py M /issm/trunk-jpl/test/NightlyRun/test2003.py

M /issm/trunk-jpl/test/NightlyRun/test2010.py

Export determination: 6.

Rationale: CHG: Applied changes from MATLAB -i Python

Change #205 with diff file ISSM-24891-24892.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2101.m

Export determination: 6.

Rationale: CHG: mask to maskpsl change.

Change #206 with diff file ISSM-24892-24893.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: implementing two routines so we don't go berserk.

Change #207 with diff file ISSM-24893-24894.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2101.py

Export determination: 6.

Rationale: CHG: Applied changes from MATLAB -i Python.

Change #208 with diff file ISSM-24894-24895.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mesh3dsurface.m M /issm/trunk-jpl/src/m/classes/mesh3dsurface.py

M /issm/trunk-jpl/src/m/qmu/helpers.py

Export determination: 6.

Rationale: CHG: MATLAB -> Python translation; cleanup

Change #209 with diff file ISSM-24895-24896.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mesh3dsurface.py

Export determination: 6.

Rationale: BUG: Missing commas in list initialization.

Change #210 with diff file ISSM-24896-24897.diff:

Function name:

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

M /issm/trunk-jpl/src/m/classes/mesh3dsurface.py

Export determination: 6.

Rationale: CHG: MATLAB -> Python translations; fixing previous mistakes (again); cleanup.

Change #211 with diff file ISSM-24897-24898.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mesh3dsurface.m M /issm/trunk-jpl/src/m/classes/mesh3dsurface.py

Export determination: 6.

Rationale: BUG: MATLAB doesn't like reuse of name counter.

Change #212 with diff file ISSM-24898-24899.diff:

Function name:

A /issm/trunk-jpl/src/m/units/sletogt.py

Export determination: 6.

Rationale: ADD: MATLAB -> Python translation.

Change #213 with diff file ISSM-24899-24900.diff:

Function name:

M /issm/trunk-jpl/src/m/units/sletogt.py

Export determination: 6.

Rationale: BUG: Oops: ; copied from MATLAB.

Change #214 with diff file ISSM-24900-24901.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mesh3dsurface.m

Export determination: 6.

Rationale: BUG: this cannot work, not proper matlab syntax

Change #215 with diff file ISSM-24901-24902.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mask.py M /issm/trunk-jpl/src/m/coordsystems/flaglatlongradius.m

A /issm/trunk-jpl/src/m/coordsystems/flaglatlongradius.py

Export determination: 6.

Rationale: CHG: MATLAB -> Python translation; fixed syntax bug from previous commit.

Change #216 with diff file ISSM-24902-24903.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mask.py M /issm/trunk-jpl/src/m/coordsystems/flaglatlongradius.py

M /issm/trunk-jpl/src/m/coordsystems/flagradiuselements.m A /issm/trunk-

jpl/src/m/coordsystems/flagradiuselements.py M /issm/trunk-jpl/src/m/geometry/planetradius.m

A /issm/trunk-jpl/src/m/geometry/planetradius.py

Export determination: 6.

Rationale: CHG: MATLAB -> Python translation; fixed syntax bug from previous commit.

Change #217 with diff file ISSM-24903-24904.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed leak.

Change #218 with diff file ISSM-24904-24905.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing a leak.

Change #219 with diff file ISSM-24905-24906.diff:

Function name:

M /issm/trunk-jpl/test/SandBox/test2004.m

Export determination: 6.

Rationale: CHG: stable, trying to commit into nightly runs.

Change #220 with diff file ISSM-24906-24907.diff:

Function name:

A /issm/trunk-jpl/test/NightlyRun/test2004.m (from /issm/trunk-jpl/test/SandBox/test2004.m:24905)

D /issm/trunk-jpl/test/SandBox/test2004.m

Export determination: 6.

Rationale: CHG: moving test2004 into nightlies.

Change #221 with diff file ISSM-24907-24908.diff:

Function name:

A /issm/trunk-jpl/test/Data/AIS_delH_trend.txt A /issm/trunk-jpl/test/Data/CON_delH_trend.txt

A /issm/trunk-jpl/test/Data/GIS_delH_trend.txt A /issm/trunk-jpl/test/Data/GLA_delH_trend_15regions.txt

A /issm/trunk-jpl/test/Data/shp A /issm/trunk-jpl/test/Data/shp/EastAntarctica2.cpg

A /issm/trunk-jpl/test/Data/shp/EastAntarctica2.dbf A /issm/trunk-jpl/test/Data/shp/EastAntarctica2.prj

A /issm/trunk-jpl/test/Data/shp/EastAntarctica2.qpj A /issm/trunk-jpl/test/Data/shp/EastAntarctica2.shp

A /issm/trunk-jpl/test/Data/shp/EastAntarctica2.shx A /issm/trunk-jpl/test/Data/shp/GSHHS_c_L1-

NightlyRun.cpg A /issm/trunk-jpl/test/Data/shp/GSHHS_c_L1-NightlyRun.dbf

A /issm/trunk-jpl/test/Data/shp/GSHHS_c_L1-NightlyRun.prj A /issm/trunk-jpl/test/Data/shp/GSHHS_c_L1-

NightlyRun.shp A /issm/trunk-jpl/test/Data/shp/GSHHS_c_L1-NightlyRun.shx

A /issm/trunk-jpl/test/Data/shp/HemisphereSplit.dbf A /issm/trunk-jpl/test/Data/shp/HemisphereSplit.prj

A /issm/trunk-jpl/test/Data/shp/HemisphereSplit.qpj A /issm/trunk-jpl/test/Data/shp/HemisphereSplit.shp

A /issm/trunk-jpl/test/Data/shp/HemisphereSplit.shx A /issm/trunk-jpl/test/Data/shp/NorthAntarctica.dbf

A /issm/trunk-jpl/test/Data/shp/NorthAntarctica.prj A /issm/trunk-jpl/test/Data/shp/NorthAntarctica.qpj

A /issm/trunk-jpl/test/Data/shp/NorthAntarctica.shp A /issm/trunk-jpl/test/Data/shp/NorthAntarctica.shx

A /issm/trunk-jpl/test/Data/shp/RonneBrunt.cpg A /issm/trunk-jpl/test/Data/shp/RonneBrunt.dbf

A /issm/trunk-jpl/test/Data/shp/RonneBrunt.prj A /issm/trunk-jpl/test/Data/shp/RonneBrunt.qpj

A /issm/trunk-jpl/test/Data/shp/RonneBrunt.shp A /issm/trunk-jpl/test/Data/shp/RonneBrunt.shx

A /issm/trunk-jpl/test/Data/shp/RonneEastSummit.cpg A /issm/trunk-jpl/test/Data/shp/RonneEastSummit

A /issm/trunk-jpl/test/Data/shp/RonneEastSummit.prj A /issm/trunk-jpl/test/Data/shp/RonneEastSummit
 A /issm/trunk-jpl/test/Data/shp/RonneEastSummit.shp A /issm/trunk-jpl/test/Data/shp/RonneEastSummit
 A /issm/trunk-jpl/test/Data/shp/RonneFront.cpg A /issm/trunk-jpl/test/Data/shp/RonneFront.dbf
 A /issm/trunk-jpl/test/Data/shp/RonneFront.prj A /issm/trunk-jpl/test/Data/shp/RonneFront.qpj
 A /issm/trunk-jpl/test/Data/shp/RonneFront.shp A /issm/trunk-jpl/test/Data/shp/RonneFront.shx
 A /issm/trunk-jpl/test/Data/shp/RonneIceShelf.cpg A /issm/trunk-jpl/test/Data/shp/RonneIceShelf.dbf
 A /issm/trunk-jpl/test/Data/shp/RonneIceShelf.prj A /issm/trunk-jpl/test/Data/shp/RonneIceShelf.qpj
 A /issm/trunk-jpl/test/Data/shp/RonneIceShelf.shp A /issm/trunk-jpl/test/Data/shp/RonneIceShelf.shx
 A /issm/trunk-jpl/test/Data/shp/RonneWestSummit.cpg A /issm/trunk-jpl/test/Data/shp/RonneWestSummit
 A /issm/trunk-jpl/test/Data/shp/RonneWestSummit.prj A /issm/trunk-jpl/test/Data/shp/RonneWestSummit
 A /issm/trunk-jpl/test/Data/shp/RonneWestSummit.shp A /issm/trunk-jpl/test/Data/shp/RonneWestSummit
 A /issm/trunk-jpl/test/Data/shp/RossFront.cpg A /issm/trunk-jpl/test/Data/shp/RossFront.dbf
 A /issm/trunk-jpl/test/Data/shp/RossFront.prj A /issm/trunk-jpl/test/Data/shp/RossFront.qpj
 A /issm/trunk-jpl/test/Data/shp/RossFront.shp A /issm/trunk-jpl/test/Data/shp/RossFront.shx
 A /issm/trunk-jpl/test/Data/shp/RossIceShelf.cpg A /issm/trunk-jpl/test/Data/shp/RossIceShelf.dbf
 A /issm/trunk-jpl/test/Data/shp/RossIceShelf.prj A /issm/trunk-jpl/test/Data/shp/RossIceShelf.qpj
 A /issm/trunk-jpl/test/Data/shp/RossIceShelf.shp A /issm/trunk-jpl/test/Data/shp/RossIceShelf.shx
 A /issm/trunk-jpl/test/Data/shp/RossWestFront.cpg A /issm/trunk-jpl/test/Data/shp/RossWestFront.dbf
 A /issm/trunk-jpl/test/Data/shp/RossWestFront.prj A /issm/trunk-jpl/test/Data/shp/RossWestFront.qpj
 A /issm/trunk-jpl/test/Data/shp/RossWestFront.shp A /issm/trunk-jpl/test/Data/shp/RossWestFront.shx
 A /issm/trunk-jpl/test/Data/shp/SouthAntarctica.dbf A /issm/trunk-jpl/test/Data/shp/SouthAntarctica.prj
 A /issm/trunk-jpl/test/Data/shp/SouthAntarctica.qpj A /issm/trunk-jpl/test/Data/shp/SouthAntarctica.shp
 A /issm/trunk-jpl/test/Data/shp/SouthAntarctica.shx A /issm/trunk-jpl/test/Data/shp/WestAntarctica2.cpg
 A /issm/trunk-jpl/test/Data/shp/WestAntarctica2.dbf A /issm/trunk-jpl/test/Data/shp/WestAntarctica2.prj
 A /issm/trunk-jpl/test/Data/shp/WestAntarctica2.qpj A /issm/trunk-jpl/test/Data/shp/WestAntarctica2.shp
 A /issm/trunk-jpl/test/Data/shp/WestAntarctica2.shx

Export determination: 6.

Rationale: CHG: files necessary for new test2004 nightly run.

Change #222 with diff file ISSM-24908-24909.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2004.m

Export determination: 6.

Rationale: CHG: new nightlyrun for sea-level solution using partitioning.

Change #223 with diff file ISSM-24909-24910.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive2004.arch

Export determination: 6.

Rationale: CHG: archive for test2004.

Change #224 with diff file ISSM-24910-24911.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: some minor functionality, and removed warning message now obsolete.

Change #225 with diff file ISSM-24911-24912.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/Archive2010.arch

Export determination: 6.

Rationale: CHG: Updated archives for NRs for Solid Earth capabilities (uses latest version of GMSH as well).

Change #226 with diff file ISSM-24912-24913.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2002.py M /issm/trunk-jpl/test/NightlyRun/test2003.py

M /issm/trunk-jpl/test/NightlyRun/test2010.py M /issm/trunk-jpl/test/NightlyRun/test2101.py

Export determination: 6.

Rationale: CHG: Cleanup.

Change #227 with diff file ISSM-24913-24914.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Making sure there was no issue with previopus commit.

Change #228 with diff file ISSM-24914-24915.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2002.py

Export determination: 6.

Rationale: BUG: Call to numpy.zeros.

Change #229 with diff file ISSM-24915-24916.diff:

Function name:

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/FemModel.cpp

Export determination: 6.

Rationale: CHG: 100 fold increase in speed of the sea level solver.

Change #230 with diff file ISSM-24916-24917.diff:

Function name:

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

M /issm/trunk-jpl/src/c/cores/cores.h M /issm/trunk-jpl/src/c/cores/sealevelrise_core.cpp

Export determination: 6.

Rationale: CHG: speeding up by not recomputing areas all the time.

Change #231 with diff file ISSM-24917-24918.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: cosmetics

Change #232 with diff file ISSM-24918-24919.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: getting rid of triplemultiply

Change #233 with diff file ISSM-24919-24920.diff:

Function name:

A /issm/trunk-jpl/externalpackages/curl/install-7.67-static.sh M /issm/trunk-

jpl/externalpackages/curl/install-7.67.sh D /issm/trunk-jpl/externalpackages/curl/install-macosx64.sh A /issm/trunk-jpl/externalpackages/gdal/install-3.0-python-netcdf-static.sh A /issm/trunk-jpl/externalpackages/gmsh/install-3.sh A /issm/trunk-jpl/externalpackages/gmsh/install-4-static.sh A /issm/trunk-jpl/externalpackages/gmsh/install-4.sh D /issm/trunk-jpl/externalpackages/gmsh/install-static.sh D /issm/trunk-jpl/externalpackages/gmsh/install.sh D /issm/trunk-jpl/externalpackages/gmt/configs/5.1 M /issm/trunk-jpl/externalpackages/gmt/configs/6.0/linux/cmake/ConfigUser.cmake A /issm/trunk-jpl/externalpackages/gmt/configs/6.0/linux/cmake/ConfigUser.static.cmake A /issm/trunk-jpl/externalpackages/gmt/configs/6.0/linux/static A /issm/trunk-jpl/externalpackages/gmt/configs/6.0/linux/static/cmake A /issm/trunk-jpl/externalpackages/gmt/configs/6.0/linux/static/cmake/modules/FindGSHHG.cmake D /issm/trunk-jpl/externalpackages/gmt/configs/ConfigUser.cmake D /issm/trunk-jpl/externalpackages/gmt/configs/ConfigUser.cmake-static D /issm/trunk-jpl/externalpackages/gmt/install-5.1-linux.sh A /issm/trunk-jpl/externalpackages/gmt/install-6.0-linux-static.sh M /issm/trunk-jpl/externalpackages/gmt/install-6.0-linux.sh D /issm/trunk-jpl/externalpackages/gmt/install-jenkins.sh A /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-static-with_tests.sh A /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-static.sh M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-with_tests.sh M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel.sh M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-with_tests.sh M /issm/trunk-jpl/externalpackages/netcdf/install-4.7.sh D /issm/trunk-jpl/externalpackages/netcdf/install.sh A /issm/trunk-jpl/externalpackages/petsc/install-3.12-linux-solid_earth-static.sh A /issm/trunk-jpl/externalpackages/proj/install-6.2-static-with_tests.sh A /issm/trunk-jpl/externalpackages/proj/install-6.2-static.sh M /issm/trunk-jpl/externalpackages/proj/install-6.2-with_tests.sh M /issm/trunk-jpl/externalpackages/proj/install-6.2.sh M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries A /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-gia M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth M /issm/trunk-jpl/m4/issm_options.m4 A /issm/trunk-jpl/package/linux/package-issm-linux-binaries-solid_earth.sh M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/m/classes/mesh3dsurface.m M /issm/trunk-jpl/src/m/classes/mesh3dsurface.py M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.m M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.m M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am M /issm/trunk-jpl/src/wrappers/python/Makefile.am M /issm/trunk-jpl/test/Archives/Archive2002.arch M /issm/trunk-jpl/test/Archives/Archive2003.arch M /issm/trunk-jpl/test/Archives/Archive2010.arch M /issm/trunk-jpl/test/Archives/Archive2101.arch M /issm/trunk-jpl/test/NightlyRun/test2003.py
 Export determination: 6.
 Rationale: CHG: Support for Linux binaries with solid earth capabilities; support for Gmsh 4; clean up

Change #234 with diff file ISSM-24920-24921.diff:
 Function name:
 M /issm/trunk-jpl/src/c/cores/transient_core.cpp
 Export determination: 6.

Rationale: CHG: comment towards future changes.

Change #235 with diff file ISSM-24921-24922.diff:

Function name:

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

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

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

Export determination: 6.

Rationale: CHG: 10

Change #236 with diff file ISSM-24922-24923.diff:

Function name:

D /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-static-with_tests.sh

D /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-static.sh

Export determination: 6.

Rationale: BUG: Correcting file permissions

Change #237 with diff file ISSM-24923-24924.diff:

Function name:

A /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-static-with_tests.sh

A /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-static.sh

Export determination: 6.

Rationale: BUG: Correcting file permissions

Change #238 with diff file ISSM-24924-24925.diff:

Function name:

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

M /issm/trunk-jpl/src/c/cores/cores.h M /issm/trunk-jpl/src/c/cores/sealevelrise_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/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: further optimization of sea level core by adding a geometry

core that precomputes indices for each centroid and every vertex to index into the gridded Green function kernels. These indices are the most computational aspects of the sea level solver.

Change #239 with diff file ISSM-24925-24926.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2010.py

Export determination: 6.

Rationale: BUG: zeros -i np.zeros

Change #240 with diff file ISSM-24926-24927.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Inputs2/ArrayInput2.cpp

M /issm/trunk-jpl/src/c/classes/Inputs2/ArrayInput2.h M /issm/trunk-jpl/src/c/classes/Inputs2/Inputs2.cpp

M /issm/trunk-jpl/src/c/classes/Inputs2/Inputs2.h M /issm/trunk-jpl/src/c/cores/sealevelrise_core.cpp

Export determination: 6.

Rationale: CHG: verbose statements for sea level core solution. Also implemented a GetArrayPtr for inputs2.

Change #241 with diff file ISSM-24927-24928.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/Archive2010.arch

Export determination: 6.

Rationale: CHG: New archives (again) after change to core.

Change #242 with diff file ISSM-24928-24929.diff:

Function name:

M /issm/trunk-jpl/externalpackages/gdal/install-3.0-netcdf.sh M /issm/trunk-jpl/externalpackages/gdal/install-3.0-python-netcdf-static.sh M /issm/trunk-jpl/externalpackages/gdal/install-3.0-python-netcdf.sh

Export determination: 6.

Rationale: BUG: Path to NETCDF installation.

Change #243 with diff file ISSM-24929-24930.diff:

Function name:

M /issm/trunk-jpl/externalpackages/gdal/install-3.0-netcdf.sh M /issm/trunk-jpl/externalpackages/gdal/install-3.0-python-netcdf-static.sh M /issm/trunk-jpl/externalpackages/gdal/install-3.0-python-netcdf.sh M /issm/trunk-jpl/externalpackages/gdal/install-3.0-python.sh

Export determination: 6.

Rationale: CHG: Corrected configuration for linking stage of static installation; cleanup.

Change #244 with diff file ISSM-24930-24931.diff:

Function name:

D /issm/trunk-jpl/externalpackages/gmt/install-static.sh D /issm/trunk-jpl/externalpackages/gmt/install.sh

Export determination: 6.

Rationale: CHG: Cleanup

Change #245 with diff file ISSM-24931-24932.diff:

Function name:

M /issm/trunk-jpl/externalpackages/gmt/install-6.0-linux-static.sh

Export determination: 6.

Rationale: BUG: Now that GDAL is correctly statically linked to NETCDF, need to update linking in GMT.

Change #246 with diff file ISSM-24932-24933.diff:

Function name:

D /issm/trunk-jpl/externalpackages/petsc/install-3.4-acenet.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.4-greenplanet.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.4-hpc.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.4-linux64.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.4-macosx64.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-intel2012.0.032-mpt.2.06rp16.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-mpich2-gcc444.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-mpich2-gcc470.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-mpich2.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades2.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.5-greenplanet.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.5-hpc.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.5-linux64-static.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.5-linux64.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64-static.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades-

intel2012.0.032-mpt.2.06rp16.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.5-win-par.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.5-win7.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.6-aurora.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.6-discover.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.6-linux64-static.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.6-linux64.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.6-lonestar.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.6-macosx64-static.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.6-macosx64.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.6-pleiades.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.6-simba-intel-mvapich2-2.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.6-stallo.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.6-win10.sh

Export determination: 6.

Rationale: CHG: removed old installation scripts

Change #247 with diff file ISSM-24933-24934.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/Balancethickn M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/GLheightadvectionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientA M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/SegRef.cp M /issm/trunk-jpl/src/c/classes/Elements/TetraRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cp M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp M /issm/trunk-jpl/src/c/shared/Numerics/constants.h

Export determination: 6.

Rationale: CHG: cleaning up NDOFx

Change #248 with diff file ISSM-24934-24935.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: only compute geometrical quantities once when running a transient.

Change #249 with diff file ISSM-24935-24936.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
A /issm/trunk-jpl/src/c/classes/Inputs2/DoubleInput2.cpp A /issm/trunk-jpl/src/c/classes/Inputs2/DoubleInput2.h
M /issm/trunk-jpl/src/c/classes/Inputs2/Inputs2.cpp M /issm/trunk-jpl/src/c/classes/Inputs2/Inputs2.h
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp
Export determination: 6.

Rationale: CHG: added DoubleInput2 class. Added Area computation in the sealevelrise_core.geometry, and fixed a huge performance hog where we were querying IsIceOnlyOnElement and IsOceanInElement nel Archive Forms oe-creview.sh TEMP Template numberofvertices.

Change #250 with diff file ISSM-24936-24937.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp
Export determination: 6.

Rationale: CHG: removing TripleMultiply... inefficient

Change #251 with diff file ISSM-24937-24938.diff:

Function name:

A /issm/trunk-jpl/externalpackages/petsc/install-3.6-win10.sh
Export determination: 6.
Rationale: CHG: adding install-3.6-win10.sh back for NR

Change #252 with diff file ISSM-24938-24939.diff:

Function name:

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/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h
A /issm/trunk-jpl/src/c/classes/SealevelMasks.h M /issm/trunk-jpl/src/c/classes/classes.h
M /issm/trunk-jpl/src/c/cores/cores.h M /issm/trunk-jpl/src/c/cores/sealevelrise_core.cpp
Export determination: 6.

Rationale: CHG: optimizing sea level masks. Create new SealevelMasks class and new sealevelrise_core_masks that pre compute masks, and then gets cores

quick access to them.

Change #253 with diff file ISSM-24939-24940.diff:

Function name:

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

M /issm/trunk-jpl/src/c/classes/Inputs2/DoubleInput2.cpp M /issm/trunk-jpl/src/c/classes/Inputs2/IntInput

Export determination: 6.

Rationale: CHG: some cleanup

Change #254 with diff file ISSM-24940-24941.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Elemen

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/FemModel.cpp

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

M /issm/trunk-jpl/src/c/cores/sealevelrise_core.cpp M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim

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

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

Export determination: 6.

Rationale: CHG: replacing earth area computations with a constant coming from the slr class.

Change #255 with diff file ISSM-24941-24942.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: further optimizations based on availability of areas and masks.

Change #256 with diff file ISSM-24942-24943.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-solid_earth M /issm/trunk-

jpl/m4/issm_options.m4 M /issm/trunk-jpl/packagers/linux/package-issm-linux-

binaries-solid_earth.sh M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.m

M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.py M /issm/trunk-

jpl/src/wrappers/IssmConfig/IssmConfig.cpp

Export determination: 6.

Rationale: CHG: Moved Gmsh version setting to issm_options.m4 and IssmConfig.cpp because we do not rely on value of ISSM_DIR when testing binaries

Change #257 with diff file ISSM-24943-24944.diff:

Function name:

M /issm/trunk-jpl/src/m/mech/basalstress.m

Export determination: 6.

Rationale: BUG: fixed the basal stress computation

Change #258 with diff file ISSM-24944-24945.diff:

Function name:

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

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

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

Export determination: 6.

Rationale: CHG: reorg and cleanup of the sea level cores, pushing as much as possible into the geometry core.

Change #259 with diff file ISSM-24945-24946.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth M /issm/trunk-jpl/m4/issm_options.m4

M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.m

Export determination: 6.

Rationale: CHG: Needed to supply path to Gmsh root in build config; cleanup

Change #260 with diff file ISSM-24946-24947.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: further optimization in the geodetic module, using the geom-

etry module.

Change #261 with diff file ISSM-24947-24948.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Elemen
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/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/cores/sealevelrise_core.cpp
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringTo

Export determination: 6.

Rationale: CHG: cleanup the sea level rise core prototypes.

Change #262 with diff file ISSM-24948-24949.diff:

Function name:

M /issm/trunk-jpl/externalpackages/gmt/install-6.0-linux-static.sh M /issm/trunk-
jpl/jenkins/ross-debian_linux-binaries-solid_earth

Export determination: 6.

Rationale: BUG: Linking issue.

Change #263 with diff file ISSM-24949-24950.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: tiny rearrangement.

Change #264 with diff file ISSM-24950-24951.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EsaAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/cores/esa_core.cpp M /issm/trunk-jpl/src/c/cores/sealevelrise_core.cpp

Export determination: 6.

Rationale: CHG: fixing some bugs introduced in the ESA core.

Change #265 with diff file ISSM-24951-24952.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: for later, using cblas.

Change #266 with diff file ISSM-24952-24953.diff:

Function name:

M /issm/trunk-jpl/externalpackages/gmt/install-6.0-linux-static.sh

Export determination: 6.

Rationale: BUG: Linking issue (again)

Change #267 with diff file ISSM-24953-24954.diff:

Function name:

A /issm/trunk-jpl/externalpackages/adjoinablempi/install-linux.sh (from /issm/trunk-jpl/externalpackages/adjoinablempi/install.sh:24952) M /issm/trunk-jpl/jenkins/ross-debian_linux-adolc-ampion

Export determination: 6.

Rationale: BUG: Correct path to MPICH

Change #268 with diff file ISSM-24954-24955.diff:

Function name:

M /issm/trunk-jpl/externalpackages/adjoinablempi/install-linux.sh

Export determination: 6.

Rationale: BUG: Wasnt moving source into src/.

Change #269 with diff file ISSM-24955-24956.diff:

Function name:

M /issm/trunk-jpl/externalpackages/adjoinablempi/install-linux.sh

Export determination: 6.

Rationale: BUG: Tarball unpacks directly into src/.

Change #270 with diff file ISSM-24956-24957.diff:

Function name:
M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.m
Export determination: 6.
Rationale: BUG: Let system call parse string.

Change #271 with diff file ISSM-24957-24958.diff:
Function name:
M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.m
Export determination: 6.
Rationale: BUG: Let system call parse string.

Change #272 with diff file ISSM-24958-24959.diff:
Function name:
M /issm/trunk-jpl/externalpackages/adolc/install-withampi.sh
Export determination: 6.
Rationale: BUG: Path to MPICH.

Change #273 with diff file ISSM-24959-24960.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/EsaAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp
Export determination: 6.
Rationale: CHG: fixed large issues in computation of centroid. Also introduced
planetradius instead of area.

Change #274 with diff file ISSM-24960-24961.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/slr.m
Export determination: 6.
Rationale: CHG: replaced eartharea with planetradius.

Change #275 with diff file ISSM-24961-24962.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Now searching for libgfortran rather than hardcoding.

Change #276 with diff file ISSM-24962-24963.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: enabling `_HAVE_RESTRICT_` define.

Change #277 with diff file ISSM-24963-24964.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: enabling `__restrict__` buffers if requested using a specific vendor.

Change #278 with diff file ISSM-24964-24965.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Casting of `__RESTRICT__` pointers.

Change #279 with diff file ISSM-24965-24966.diff:

Function name:

A /issm/trunk-jpl/externalpackages/netcdf/install-4.3.sh

Export determination: 6.

Rationale: CHG: add back 4.3 for mojave install

Change #280 with diff file ISSM-24966-24967.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-mac-static.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-mac.sh
Export determination: 6.
Rationale: CHG: Better way of finding libgfortran.

Change #281 with diff file ISSM-24967-24968.diff:
Function name:
M /issm/trunk-jpl/externalpackages/dakota/install-6.2-mac-static.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-mac.sh
Export determination: 6.
Rationale: CHG: Better way of finding libgfortran.

Change #282 with diff file ISSM-24968-24969.diff:
Function name:
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: bottom pressure fingerprints computations.

Change #283 with diff file ISSM-24969-24970.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: fixed small bug.

Change #284 with diff file ISSM-24970-24971.diff:
Function name:
M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth M /issm/trunk-jpl/package-issm-linux-binaries-solid_earth.sh
Export determination: 6.
Rationale: CHG: Excluding test 2004 for now.

Change #285 with diff file ISSM-24971-24972.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/Archive2010.arch M /issm/trunk-jpl/test/Archives/Archive2101.arch
Export determination: 6.
Rationale: CHG: Updated archives.

Change #286 with diff file ISSM-24972-24973.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: corrected wrong treatment of bottom pressure fingerprints.

Change #287 with diff file ISSM-24973-24974.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: fixed issue with masks in geodetic + better computation of bottom pressure fingerprints.

Change #288 with diff file ISSM-24974-24975.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: reinstating the eustatic ice. Thanks!

Change #289 with diff file ISSM-24975-24976.diff:
Function name:
M /issm/trunk-jpl/externalpackages/boost/install-1.55-lonestar.sh
Export determination: 6.
Rationale: CHG: new boost patches for lonestar

Change #290 with diff file ISSM-24976-24977.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: reverse the order, because otherwise, we are generating uplift under ice shelves from ice loads!

Change #291 with diff file ISSM-24977-24978.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Dakota/IssmPara

M /issm/trunk-jpl/src/c/cores/sealevelrise_core.cpp M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim

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

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

Export determination: 6.

Rationale: CHG: making sure to optimize Dakota cores by hacking. Need to rethink this.

Change #292 with diff file ISSM-24978-24979.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Dakota/IssmParallelDirectApplicInterface.cpp

Export determination: 6.

Rationale: CHG: fixed small bug.

Change #293 with diff file ISSM-24979-24980.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Dakota/IssmParallelDirectApplicInterface.cpp

Export determination: 6.

Rationale: CHG: reversing the hack for now.

Change #294 with diff file ISSM-24980-24981.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: case of hydro material was not covered when doing a copy or a reset.

Change #295 with diff file ISSM-24981-24982.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Dakota/IssmParallelDirectApplicInterface.cpp

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

Export determination: 6.

Rationale: CHG: outputting all fields during dakota iterations, if qmu.output is requested. Was missing a key piece of code in the dakota cores to finish this capability.

Change #296 with diff file ISSM-24982-24983.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: bottom pressure modifications. Remove from geoid and add to RSL.

Change #297 with diff file ISSM-24983-24984.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: getting the BP part of RSL outside of the convergence loop.

Change #298 with diff file ISSM-24984-24985.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Dakota/IssmParallelDirectApplicInterface.cpp

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

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

jpl/src/c/cores/cores.h M /issm/trunk-jpl/src/c/cores/sealevelrise_core.cpp M

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

Export determination: 6.

Rationale: CHG: changing names around.

Change #299 with diff file ISSM-24985-24986.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp

(from /issm/trunk-jpl/src/c/cores/sealevelrise_core.cpp:24984) D /issm/trunk-jpl/src/c/cores/sealevelrise_core.cpp
Export determination: 6.
Rationale: CHG: moving sealevelrise_core to sealevelchange_core

Change #300 with diff file ISSM-24986-24987.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Dakota/IssmParallelDirectApplicInterface.cpp
Export determination: 6.
Rationale: CHG: better hack.

Change #301 with diff file ISSM-24987-24988.diff:

Function name:
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
Export determination: 6.
Rationale: CHG: new enum for qmu variable partitions.

Change #302 with diff file ISSM-24988-24989.diff:

Function name:
M /issm/trunk-jpl/src/c/modules/InputUpdateFromDakotax/InputUpdateFromDakotax.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Dakota/CreateParametersDakota.cpp
M /issm/trunk-jpl/src/m/classes/qmu.m M /issm/trunk-jpl/src/m/qmu/preqmu.m
M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVariables.m
Export determination: 6.
Rationale: CHG: more integration of partition vectors into variables. Slowly stepping away from the qmu.vpartition vector paradigm, not yet fully though.

Change #303 with diff file ISSM-24989-24990.diff:

Function name:
M /issm/trunk-jpl/src/c/modules/InputUpdateFromDakotax/InputUpdateFromDakotax.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Dakota/CreateParametersDakota.cpp
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
M /issm/trunk-jpl/src/m/classes/qmu.m M /issm/trunk-jpl/src/m/qmu/preqmu.m

A /issm/trunk-jpl/src/m/qmu/qmupart2npart.m M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVaria
Export determination: 6.

Rationale: CHG: had to redesign the InputUpdateFromDakotax module to work with each variable partitioning vector. This called for an extra marshalled variablepartitions_npart vector to keep track of each variable's number of partitions (because now it's arbitrary).

Change #304 with diff file ISSM-24990-24991.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/transient.py M /issm/trunk-jpl/test/NightlyRun/test3300.py

M /issm/trunk-jpl/test/Par/SquareNoDyn.py

Export determination: 6.

Rationale: CHG:removing setallnull which is a clone of deactivateall

Change #305 with diff file ISSM-24991-24992.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: better handling of list of analyses in transient by recursively call AnalysesList

Change #306 with diff file ISSM-24992-24993.diff:

Function name:

A /issm/trunk-jpl/scripts/svn_repo_authors.sh

Export determination: 6.

Rationale: ADD: Script to output authors and number of commits from svn log

Change #307 with diff file ISSM-24993-24994.diff:

Function name:

A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/CMakeLists.txt.discover20.patch

A /issm/trunk-jpl/externalpackages/dakota/install-6.2-intel20-discover.sh A /issm/trunk-jpl/externalpackages/petsc/install-3.7-discover.sh

Export determination: 6.

Rationale: CHG: update discover to new system requirements

Change #308 with diff file ISSM-24994-24995.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: CHG:updating analysis list build for Hydro

Change #309 with diff file ISSM-24995-24996.diff:
Function name:
M /issm/trunk-jpl/scripts/ol.m
Export determination: 6.
Rationale: CHG: if you include an 'End' step, it will stop listing further steps,
nice if you have a very large runme file.

Change #310 with diff file ISSM-24996-24997.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test2004.m
Export determination: 6.
Rationale: CHG: fixed some bugs.

Change #311 with diff file ISSM-24997-24998.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/Archive2010.arch
Export determination: 6.
Rationale: CHG: Updated archives.

Change #312 with diff file ISSM-24998-24999.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/modules/AverageOntoPartitionx/AverageOntoPartitionx.h
M /issm/trunk-jpl/src/c/modules/AverageOntoPartitionx/AverageOntoPartitionx.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Dakota/CreateParametersDakota.cpp
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
M /issm/trunk-jpl/src/m/classes/qmu/response_function.m M /issm/trunk-jpl/src/m/classes/qmu.m
M /issm/trunk-jpl/src/m/partition/partitioner.m M /issm/trunk-jpl/src/m/qmu/preqmu.m

M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupResponses.m
Export determination: 6.
Rationale: CHG: getting rid of qmu.vpartition and qmu.epartition completely.
Resposes also needed their parttion vector. Had to adapt AverageOntoPartitionx accordingly.

Change #313 with diff file ISSM-24999-25000.diff:
Function name:
M /issm/trunk-jpl/src/m/mesh/TwoDToThreeD.m
Export determination: 6.
Rationale: CHG: maskpsl not needed anymore.

Change #314 with diff file ISSM-25000-25001.diff:
Function name:
M /issm/trunk-jpl/src/m/mesh/modelmerge3d.m
Export determination: 6.
Rationale: CHG: maskpsl not need anymore.

Change #315 with diff file ISSM-25001-25002.diff:
Function name:
A /issm/trunk-jpl/src/m/contrib/larour/oceanmip.m
Export determination: 6.
Rationale: CHG: new ocean mip MME class.

Change #316 with diff file ISSM-25002-25003.diff:
Function name:
A /issm/trunk-jpl/src/m/contrib/larour/prjwrite.m
Export determination: 6.
Rationale: CHG: projection write for .shp file.

Change #317 with diff file ISSM-25003-25004.diff:
Function name:
M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.m

Export determination: 6.
Rationale: CHG: fixed bug.

Change #318 with diff file ISSM-25004-25005.diff:

Function name:

M /issm/trunk-jpl/src/m/partition/AreaAverageOntoPartition.m M /issm/trunk-jpl/src/m/qmu/importancefactors.m

Export determination: 6.

Rationale: CHG: switching to partition vectors instead of qmu.vpartition and qmu.epartition

Change #319 with diff file ISSM-25005-25006.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test101.m M /issm/trunk-jpl/test/NightlyRun/test218.m
M /issm/trunk-jpl/test/NightlyRun/test234.m M /issm/trunk-jpl/test/NightlyRun/test235.m
M /issm/trunk-jpl/test/NightlyRun/test244.m M /issm/trunk-jpl/test/NightlyRun/test250.m
M /issm/trunk-jpl/test/NightlyRun/test251.m M /issm/trunk-jpl/test/NightlyRun/test412.m
M /issm/trunk-jpl/test/NightlyRun/test413.m M /issm/trunk-jpl/test/NightlyRun/test414.m
M /issm/trunk-jpl/test/NightlyRun/test417.m M /issm/trunk-jpl/test/NightlyRun/test418.m
M /issm/trunk-jpl/test/NightlyRun/test420.m M /issm/trunk-jpl/test/NightlyRun/test440.m
M /issm/trunk-jpl/test/NightlyRun/test444.m M /issm/trunk-jpl/test/NightlyRun/test445.m

Export determination: 6.

Rationale: CHG: updating tests to not rely on md.qmu.vpartition and md.qmu.epartition.

Change #320 with diff file ISSM-25006-25007.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removed vpartition and epartition from qmu class.

Change #321 with diff file ISSM-25007-25008.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test218.m M /issm/trunk-jpl/test/NightlyRun/test412.m
M /issm/trunk-jpl/test/NightlyRun/test413.m

Export determination: 6.

Rationale: CHG: updating call to importance factors.

Change #322 with diff file ISSM-25008-25009.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test101.m

Export determination: 6.

Rationale: CHG: reverting test101.m

Change #323 with diff file ISSM-25009-25010.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test250.m M /issm/trunk-jpl/test/NightlyRun/test440.m

Export determination: 6.

Rationale: BUG: trying to fix Dakota tests

Change #324 with diff file ISSM-25010-25011.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu.py M /issm/trunk-jpl/test/NightlyRun/test218.py

M /issm/trunk-jpl/test/NightlyRun/test234.py M /issm/trunk-jpl/test/NightlyRun/test250.py

M /issm/trunk-jpl/test/NightlyRun/test251.py M /issm/trunk-jpl/test/NightlyRun/test412.py

M /issm/trunk-jpl/test/NightlyRun/test413.py M /issm/trunk-jpl/test/NightlyRun/test414.py

M /issm/trunk-jpl/test/NightlyRun/test417.py M /issm/trunk-jpl/test/NightlyRun/test418.py

M /issm/trunk-jpl/test/NightlyRun/test420.m M /issm/trunk-jpl/test/NightlyRun/test420.py

M /issm/trunk-jpl/test/NightlyRun/test440.py M /issm/trunk-jpl/test/NightlyRun/test444.py

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

Export determination: 6.

Rationale: CHG: Updated Python tests; now moving back through changes to Dakota interface

Change #325 with diff file ISSM-25011-25012.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/love_numbers.py M /issm/trunk-

jpl/src/m/classes/qmu/response.function.py M /issm/trunk-jpl/src/m/classes/qmu.py

M /issm/trunk-jpl/src/m/classes/slr.py M /issm/trunk-jpl/src/m/coordsystems/gmtmask.py

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

M /issm/trunk-jpl/src/m/plot/export_gl.py M /issm/trunk-jpl/src/m/qmu/preqmu.py

A /issm/trunk-jpl/src/m/qmu/qmupart2npart.py M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupResp
M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVariables.py
Export determination: 6.
Rationale: CHG: Partial commit of changes to Python Dakota interface; cleanup

Change #326 with diff file ISSM-25012-25013.diff:

Function name:

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

M /issm/trunk-jpl/src/m/miscellaneous/PythonFuncs.py

Export determination: 6.

Rationale: CHG: Cleanup

Change #327 with diff file ISSM-25013-25014.diff:

Function name:

M /issm/trunk-jpl/src/m/qmu/preqmu.py

Export determination: 6.

Rationale: BUG: Missing index

Change #328 with diff file ISSM-25014-25015.diff:

Function name:

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

M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupResponses.py M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVariables.py

Export determination: 6.

Rationale: CHG: Dakota interface changes from MATLAB to Python

Change #329 with diff file ISSM-25015-25016.diff:

Function name:

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

M /issm/trunk-jpl/src/m/qmu/importancefactors.py M /issm/trunk-jpl/src/m/qmu/preqmu.m

M /issm/trunk-jpl/src/m/qmu/preqmu.py M /issm/trunk-jpl/test/NightlyRun/test244.py

Export determination: 6.

Rationale: CHG: Dakota interface changes from MATLAB to Python

Change #330 with diff file ISSM-25016-25017.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test218.js M /issm/trunk-jpl/test/NightlyRun/test234.js
M /issm/trunk-jpl/test/NightlyRun/test235.js M /issm/trunk-jpl/test/NightlyRun/test235.py
M /issm/trunk-jpl/test/NightlyRun/test250.py M /issm/trunk-jpl/test/NightlyRun/test251.py
M /issm/trunk-jpl/test/NightlyRun/test413.py M /issm/trunk-jpl/test/NightlyRun/test445.py

Export determination: 6.

Rationale: CHG: Last of cleanup of md.qmu.numberofpartitions in NR

Change #331 with diff file ISSM-25017-25018.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: need mpt mpi

Change #332 with diff file ISSM-25018-25019.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: update calls for mpt in discover

Change #333 with diff file ISSM-25019-25020.diff:

Function name:

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

M /issm/trunk-jpl/src/c/modules/ModelProcessors/Dakota/CreateParametersDakota.cpp

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

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

M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu.m

M /issm/trunk-jpl/src/m/qmu/preqmu.m M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVariables.m

Export determination: 6.

Rationale: CHG: implemented new way of updating transient inputs using normal uncertain variables that are time distributed.

Change #334 with diff file ISSM-25020-25021.diff:

Function name:

M /issm/trunk-jpl/src/m/qmu/preqmu.m
Export determination: 6.
Rationale: CHG: updated checks for transient UQ.

Change #335 with diff file ISSM-25021-25022.diff:
Function name:
M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVariables.m
Export determination: 6.
Rationale: CHG: better check on size of partitions and time UQ.

Change #336 with diff file ISSM-25022-25023.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu/normal_un
M /issm/trunk-jpl/src/m/classes/qmu.py M /issm/trunk-jpl/src/m/partition/AreaAverageOntoPartition.py
M /issm/trunk-jpl/src/m/qmu/preqmu.m M /issm/trunk-jpl/src/m/qmu/preqmu.py
M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVariables.m M /issm/trunk-
jpl/src/m/qmu/setupdesign/QmuSetupVariables.py M /issm/trunk-jpl/test/NightlyRun/test412.py
Export determination: 6.
Rationale: CHG: More MATLAB to Python API changes for Dakota interface

Change #337 with diff file ISSM-25023-25024.diff:
Function name:
A /issm/trunk-jpl/src/m/classes/frictionpism.py A /issm/trunk-jpl/src/m/classes/hydrologyglads.py
A /issm/trunk-jpl/src/m/classes/hydrologypism.py M /issm/trunk-jpl/src/m/classes/initialization.py
M /issm/trunk-jpl/src/m/classes/model.py M /issm/trunk-jpl/src/m/classes/stressbalance.py
M /issm/trunk-jpl/test/NightlyRun/test350.py A /issm/trunk-jpl/test/NightlyRun/test355.py
A /issm/trunk-jpl/test/NightlyRun/test610.py A /issm/trunk-jpl/test/NightlyRun/test612.py
Export determination: 6.
Rationale: NEW: adding hydro models in py and related tests, fix in initialisa-
tion for m/py compatibility

Change #338 with diff file ISSM-25024-25025.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-
jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Inputs2/Inputs2.cpp
M /issm/trunk-jpl/src/c/classes/Inputs2/Inputs2.h M /issm/trunk-jpl/src/c/classes/Inputs2/TransientInput2
M /issm/trunk-jpl/src/c/classes/Inputs2/TransientInput2.h M /issm/trunk-jpl/src/c/cores/hydrology_core.cp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromSolutionx/InputUpdateFromSolutionx.cpp
M /issm/trunk-jpl/src/m/classes/hydrologydc.m M /issm/trunk-jpl/test/Archives/Archive905.arch
M /issm/trunk-jpl/test/NightlyRun/test905.m M /issm/trunk-jpl/test/NightlyRun/test905.py
Export determination: 6.
Rationale: CHG:moving averaging on inputs and modification on 905 test

Change #339 with diff file ISSM-25025-25026.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu/uniform_un
M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVariables.m

Export determination: 6.

Rationale: CHG: Applied changes from normal_uncertain and handling to unique_uncertain

Change #340 with diff file ISSM-25026-25027.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing logic test

Change #341 with diff file ISSM-25027-25028.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Inputs2/TransientInput2.cpp

Export determination: 6.

Rationale: BUG: fixing AD

Change #342 with diff file ISSM-25028-25029.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu/uniform_un
M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.py M /issm/trunk-jpl/src/m/qmu/setupdesign/Qmu
M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVariables.py

Export determination: 6.

Rationale: CHG: More fixes for QMU

Change #343 with diff file ISSM-25029-25030.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test355.py

Export determination: 6.

Rationale: CHG: fixing floating point pb

Change #344 with diff file ISSM-25030-25031.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Inputs2/TransientInput2.cpp

Export determination: 6.

Rationale: CHG: minor

Change #345 with diff file ISSM-25031-25032.diff:

Function name:

M /issm/trunk-jpl/src/m/qmu/expandresponses.py M /issm/trunk-jpl/src/m/qmu/expandvariables.py

M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVariables.py

Export determination: 6.

Rationale: CHG: Better variable naming so as not to confuse with indices;
cleanup

Change #346 with diff file ISSM-25032-25033.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.m

Export determination: 6.

Rationale: BUG: length -i size

Change #347 with diff file ISSM-25033-25034.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.m M /issm/trunk-jpl/src/m/qmu/setupdesign/Qmu

Export determination: 6.

Rationale: BUG: length -i size

Change #348 with diff file ISSM-25034-25035.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth M /issm/trunk-jpl/packagers/linux/package-
issm-linux-binaries-solid_earth.sh M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.m
M /issm/trunk-jpl/test/Archives/Archive2004.arch

Export determination: 6.

Rationale: CHG: Fixes for test2002.m

Change #349 with diff file ISSM-25035-25036.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/sealevelmodel.py M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.m
A /issm/trunk-jpl/src/m/coordsystems/epsg2proj.py M /issm/trunk-jpl/src/m/coordsystems/gdaltransform.m
A /issm/trunk-jpl/src/m/coordsystems/gdaltransform.py A /issm/trunk-jpl/src/m/mesh/TwoDToThreeD.py
A /issm/trunk-jpl/src/m/mesh/meshintersect3d.py

Export determination: 6.

Rationale: CHG: Saving changes for MATLAB -i Python API for solid earth

Change #350 with diff file ISSM-25036-25037.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/larour/ismip6.m A /issm/trunk-jpl/src/m/contrib/larour/mme_time_correla

Export determination: 6.

Rationale: CHG: new ismip6 class and correlation matrix routines.

Change #351 with diff file ISSM-25037-25038.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/larour/ismip6.m

Export determination: 6.

Rationale: CHG: ismip6 class.

Change #352 with diff file ISSM-25038-25039.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_manager.m M /issm/trunk-jpl/src/m/plot/plotmodel.m

Export determination: 6.

Rationale: NEW: add 'subplot' option in plotmodel. The value has to be
1x3 integer array as [nlines, ncols, subindex]. Example: plotmodel(md, 'data',

md.results.StressbalanceSolution.Vx, 'subplot', [2,2,1]). This will override the subplot [2,2,1] of the current figure. An existing bug is when using this with special plots, such as 'mesh', 'BC', etc. It will not override the previous subplot if it exists.

Change #353 with diff file ISSM-25039-25040.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: improved options by adding an srcpath (vs codepath) in the pfe class. Works better for out of source builds.

Change #354 with diff file ISSM-25040-25041.diff:

Function name:

M /issm/trunk-jpl/etc/environment.csh

Export determination: 6.

Rationale: CHG: updated environment.csh script for boost and other libraries that were missing from the LD_LIBRARY_PATH

Change #355 with diff file ISSM-25041-25042.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu.m M /issm/trunk-jpl/src/m/qmu/dakota_in_data.m

M /issm/trunk-jpl/src/m/qmu/dakota_in_write.m M /issm/trunk-jpl/src/m/qmu/preqmu.m

Export determination: 6.

Rationale: CHG: adding correlatoin matrix.

Change #356 with diff file ISSM-25042-25043.diff:

Function name:

A /issm/trunk-jpl/externalpackages/geocode/geoCode.m A /issm/trunk-jpl/externalpackages/geocode/license.

Export determination: 6.

Rationale: CHG: diverse

Change #357 with diff file ISSM-25043-25044.diff:

Function name:

A /issm/trunk-jpl/externalpackages/nearestSPD A /issm/trunk-jpl/externalpackages/nearestSPD/NearestSym

Export determination: 6.

Rationale: CHG: nearestSPD package.

Change #358 with diff file ISSM-25044-25045.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu/normal_un

M /issm/trunk-jpl/src/m/qmu/preqmu.py M /issm/trunk-jpl/test/NightlyRun/test218.m

M /issm/trunk-jpl/test/NightlyRun/test218.py M /issm/trunk-jpl/test/NightlyRun/test235.py

M /issm/trunk-jpl/test/NightlyRun/test244.py M /issm/trunk-jpl/test/NightlyRun/test250.py

M /issm/trunk-jpl/test/NightlyRun/test251.py M /issm/trunk-jpl/test/NightlyRun/test412.py

M /issm/trunk-jpl/test/NightlyRun/test413.py M /issm/trunk-jpl/test/NightlyRun/test414.py

M /issm/trunk-jpl/test/NightlyRun/test417.py

Export determination: 6.

Rationale: BUG: Majority of fixes for Dakota Python tests; still need to fix test418.m

Change #359 with diff file ISSM-25045-25046.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.py

Export determination: 6.

Rationale: BUG: nuv -j uuv

Change #360 with diff file ISSM-25046-25047.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: nuv and uuv fields must now be np.ndarrays (after additional of handling for time series)

Change #361 with diff file ISSM-25047-25048.diff:

Function name:

M /issm/trunk-jpl/src/m/partition/AreaAverageOntoPartition.py M /issm/trunk-jpl/test/NightlyRun/test418.py

Export determination: 6.

Rationale: CHG: Saving changes for later (test runs under Python, but not under MATLAB; will revisit refactoring of partitioner class)

Change #362 with diff file ISSM-25048-25049.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-with_dakota.sh M /issm/trunk-jpl/package/mac/package-issm-mac-binaries-with_dakota.sh

Export determination: 6.

Rationale: CHG: Disabling test418 until partitioner class can be refactored

Change #363 with diff file ISSM-25049-25050.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota

Export determination: 6.

Rationale: CHG: Disabling test418 until partitioner class can be refactored

Change #364 with diff file ISSM-25050-25051.diff:

Function name:

M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.m M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.py

Export determination: 6.

Rationale: CHG: Now trimming newline from grep in piped system call; handling for GDAL version 1

Change #365 with diff file ISSM-25051-25052.diff:

Function name:

M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.m

Export determination: 6.

Rationale: BUG: Indices fix

Change #366 with diff file ISSM-25052-25053.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: wrong number of arguments

Change #367 with diff file ISSM-25053-25054.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: need to define ACCEPT_USE_OF_DEPRECATED_PROJ_API_H
with new version of proj

Change #368 with diff file ISSM-25054-25055.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: need to define ACCEPT_USE_OF_DEPRECATED_PROJ_API_H
with new version of proj

Change #369 with diff file ISSM-25055-25056.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: correcting an error in the marshall.

Change #370 with diff file ISSM-25056-25057.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/giacaron.m M /issm/trunk-jpl/src/m/classes/giaivins.m

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

Export determination: 6.

Rationale: CHG: new giamme multi-model ensemble class, works quite like the
dslmme class. Allows for choosing a modelid, which keys into an ensemble of gia
rates.

Change #371 with diff file ISSM-25057-25058.diff:

Function name:

M /issm/trunk-jpl/src/m/qmu/postqmu.m

Export determination: 6.

Rationale: CHG: added a print statement to track download of multiple files in qmu.output mode.

Change #372 with diff file ISSM-25058-25059.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_coastlines.m M /issm/trunk-jpl/src/m/plot/processmesh.m

Export determination: 6.

Rationale: CHG: added latlon plot for 3Dsurface meshes.

Change #373 with diff file ISSM-25059-25060.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: allows for shapefiles.

Change #374 with diff file ISSM-25060-25061.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/cores/sealevelchange_core

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

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

Export determination: 6.

Rationale: CHG: added support for giamme class. Tested with qmu runs.

Change #375 with diff file ISSM-25061-25062.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/larour/ismip6.m

Export determination: 6.

Rationale: CHG: additional capabilities for ismip6 class.

Change #376 with diff file ISSM-25062-25063.diff:

Function name:

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:optimisation of the netcdf i/o

Change #377 with diff file ISSM-25063-25064.diff:

Function name:

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:last tweaks on netCDF IO

Change #378 with diff file ISSM-25064-25065.diff:

Function name:

M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.m

Export determination: 6.

Rationale: BUG: Quoting and escaping

Change #379 with diff file ISSM-25065-25066.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/basin.m A /issm/trunk-jpl/src/m/classes/basin.py
M /issm/trunk-jpl/src/m/classes/boundary.m A /issm/trunk-jpl/src/m/classes/boundary.py
M /issm/trunk-jpl/src/m/classes/plotoptions.py M /issm/trunk-jpl/src/m/classes/sealevelmodel.m
M /issm/trunk-jpl/src/m/classes/sealevelmodel.py M /issm/trunk-jpl/src/m/coordsystems/gdaltransform.m
M /issm/trunk-jpl/src/m/coordsystems/gdaltransform.py A /issm/trunk-jpl/src/m/coordsystems/laea.py
A /issm/trunk-jpl/src/m/geometry/AboveGround.py A /issm/trunk-jpl/src/m/geometry/polyarea.py
M /issm/trunk-jpl/src/m/mech/analyticaldamage.py M /issm/trunk-jpl/src/m/mesh/meshintersect3d.py
M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.py M /issm/trunk-jpl/src/m/plot/applyoptions.m M /issm/trunk-jpl/src/m/plot/applyoptions.py
M /issm/trunk-jpl/src/m/plot/plot_manager.m M /issm/trunk-jpl/src/m/plot/plot_manager.py
M /issm/trunk-jpl/src/m/plot/plot_overlay.py M /issm/trunk-jpl/src/m/plot/plot_unit.py
M /issm/trunk-jpl/src/m/plot/plotmodel.m M /issm/trunk-jpl/src/m/plot/plotmodel.py
M /issm/trunk-jpl/src/m/qmu/helpers.py M /issm/trunk-jpl/src/m/shp/shpread.m
A /issm/trunk-jpl/src/m/shp/shpread.py M /issm/trunk-jpl/src/m/shp/shpwrite.m
A /issm/trunk-jpl/src/m/shp/shpwrite.py

Export determination: 6.

Rationale: CHG: Saving progress on SLR/Solid Earth translation

Change #380 with diff file ISSM-25066-25067.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.cpp
A /issm/trunk-jpl/src/c/analyses/GiaAnalysis.cpp (from /issm/trunk-jpl/src/c/analyses/GiaIvinsAnalysis.cpp
A /issm/trunk-jpl/src/c/analyses/GiaAnalysis.h (from /issm/trunk-jpl/src/c/analyses/GiaIvinsAnalysis.h:250
D /issm/trunk-jpl/src/c/analyses/GiaIvinsAnalysis.cpp D /issm/trunk-jpl/src/c/analyses/GiaIvinsAnalysis.h
M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/analyses.h
M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Seg.h
M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/cores/CorePointerFromSolutionEnum.c
M /issm/trunk-jpl/src/c/cores/gia_core.cpp M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp
M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Create
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringTo
M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp M /issm/trunk-
jpl/src/m/classes/giamme.m M /issm/trunk-jpl/src/m/classes/model.m M /issm/trunk-
jpl/src/m/classes/slr.m

Export determination: 6.

Rationale: CHG: moved GiaIvinsAnalysis to GiaAnalysis. Made giamme the default gia offline class. Made giacore handle giaivins, giamme and giacaron classes. Added gia core to transient core. Remove gia logic from sea level rise core, back into gia core.

Change #381 with diff file ISSM-25067-25068.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: replacing GIAIVINS with GIA

Change #382 with diff file ISSM-25068-25069.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Unbalanced parens; unclosed conditionals

Change #383 with diff file ISSM-25069-25070.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: if running sealevelchange_core only, then run gia_core too.

Change #384 with diff file ISSM-25070-25071.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2001.m M /issm/trunk-jpl/test/NightlyRun/test2002.m

M /issm/trunk-jpl/test/NightlyRun/test2051.m M /issm/trunk-jpl/test/NightlyRun/test2052.m

M /issm/trunk-jpl/test/NightlyRun/test2053.m M /issm/trunk-jpl/test/NightlyRun/test2071.m

M /issm/trunk-jpl/test/NightlyRun/test2072.m M /issm/trunk-jpl/test/NightlyRun/test2073.m

M /issm/trunk-jpl/test/NightlyRun/test2081.m M /issm/trunk-jpl/test/NightlyRun/test2082.m

M /issm/trunk-jpl/test/NightlyRun/test2083.m M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.par

M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksCD.par M /issm/trunk-jpl/test/Par/SquareSheetConstrained

Export determination: 6.

Rationale: CHG: updates of the GIA enums, and giamme class.

Change #385 with diff file ISSM-25071-25072.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2003.m M /issm/trunk-jpl/test/NightlyRun/test2004.m

M /issm/trunk-jpl/test/NightlyRun/test2010.m M /issm/trunk-jpl/test/NightlyRun/test2111.m

M /issm/trunk-jpl/test/NightlyRun/test2112.m M /issm/trunk-jpl/test/NightlyRun/test2113.m

Export determination: 6.

Rationale: CHG: slr has not gia fields anymore.

Change #386 with diff file ISSM-25072-25073.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m

Export determination: 6.

Rationale: CHG: Removed sanity checks

Change #387 with diff file ISSM-25073-25074.diff:

Function name:

M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-static-with_tests.sh

M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-static.sh M /issm/trunk-

jpl/externalpackages/netcdf/install-4.7-parallel-with_tests.sh M /issm/trunk-jpl/externalpackages/netcdf/install-

4.7-parallel.sh M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-with_tests.sh

M /issm/trunk-jpl/externalpackages/netcdf/install-4.7.sh

Export determination: 6.

Rationale: CHG: Cleanup

Change #388 with diff file ISSM-25074-25075.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: collapse routine needs to branch according to gia class.

Change #389 with diff file ISSM-25075-25076.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: initializing giaivins class.

Change #390 with diff file ISSM-25076-25077.diff:

Function name:

M /issm/trunk-jpl/src/m/partition/partitioner.m M /issm/trunk-jpl/test/NightlyRun/test418.m

Export determination: 6.

Rationale: CHG: adapted partitioner for AreaAverage ...

Change #391 with diff file ISSM-25077-25078.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2004.m

Export determination: 6.

Rationale: CHG: changed name for NGia and UGia in the requested outputs.

Change #392 with diff file ISSM-25078-25079.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/histogram_bin_uncertain.m

Export determination: 6.

Rationale: CHG: missing methods to make histogram_bin_uncertain compatible with current dakota framdeetwork.

Change #393 with diff file ISSM-25079-25080.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added compressed matrix in the FetchDataToDataSet routine.

Change #394 with diff file ISSM-25080-25081.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: scaling of Gia inputs from mm/yr to m/yr into the ISSM C++ SI system of units. Also changed the logic for a default giamme that has not been configured -i marshall one model with 0 Ngia and Ugia

Change #395 with diff file ISSM-25081-25082.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: warning message not needed

Change #396 with diff file ISSM-25082-25083.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: rates should be in mm/yr.

Change #397 with diff file ISSM-25083-25084.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m

Export determination: 6.

Rationale: CHG: removed check.

Change #398 with diff file ISSM-25084-25085.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: some verbosing.

Change #399 with diff file ISSM-25085-25086.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing name of marshalled model id.

Change #400 with diff file ISSM-25086-25087.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: super important change! Check that Dakota variables are declared in the right order! First normals, then uniforms, then histograms. Otherwise, partition vectors are picked up in the wrong order during the UpdateVectorFromDakota phase.

Change #401 with diff file ISSM-25087-25088.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removed verbose information.

Change #402 with diff file ISSM-25088-25089.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m

Export determination: 6.

Rationale: CHG: removed a check that did not make sense anymore.

Change #403 with diff file ISSM-25089-25090.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-adolc-ampioff M /issm/trunk-jpl/jenkins/ross-debian_linux-adolc-ampion M /issm/trunk-jpl/jenkins/ross-debian_linux-codipack

M /issm/trunk-jpl/jenkins/ross-debian_linux-javascript M /issm/trunk-jpl/jenkins/windows

M /issm/trunk-jpl/jenkins/windows_static

Export determination: 6.

Rationale: BUG: GiaIvins option no longer supported

Change #404 with diff file ISSM-25090-25091.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/histogram_bin_uncertain.m A /issm/trunk-jpl/src/m/classes/qmu/histogram_bin_uncertain.py M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.p

M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.py M /issm/trunk-jpl/src/m/classes/qmu.m

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

Export determination: 6.

Rationale: CHG: Cleanup; saving progress

Change #405 with diff file ISSM-25091-25092.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Unindented block after commenting out message

Change #406 with diff file ISSM-25092-25093.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: CHG: taking care of single timestep result in NC export

Change #407 with diff file ISSM-25093-25094.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: ix to 3D for averaging over time

Change #408 with diff file ISSM-25094-25095.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Minor change for py/m consistency

Change #409 with diff file ISSM-25095-25096.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.m
M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.py M /issm/trunk-jpl/src/wrappers/IssmConfig/IssmConfig.cpp

Export determination: 6.

Rationale: CHG: Moved retrieval of Gmsh major version out of core and back to scripting side.

Change #410 with diff file ISSM-25096-25097.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.py

Export determination: 6.

Rationale: CHG: Moved retrieval of Gmsh major version out of core and back to scripting side.

Change #411 with diff file ISSM-25097-25098.diff:

Function name:

M /issm/trunk-jpl/src/m/array/MatlabArray.py M /issm/trunk-jpl/src/m/classes/qmu/histogram_bin_uncert

M /issm/trunk-jpl/src/m/classes/qmu/histogram_bin_uncertain.py M /issm/trunk-jpl/src/m/classes/qmu/linear_inequality_constraint.py M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.py M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.py
Export determination: 6.
Rationale: CHG: Added histogram bin uncertain for Python; cleanup

Change #412 with diff file ISSM-25098-25099.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.m M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.py

Export determination: 6.

Rationale: BUG: Bad copy + paste

Change #413 with diff file ISSM-25099-25100.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.py

Export determination: 6.

Rationale: BUG: Need to cast to int

Change #414 with diff file ISSM-25100-25101.diff:

Function name:

M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.py M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.py

Export determination: 6.

Rationale: BUG: Bad name for subprocess args.

Change #415 with diff file ISSM-25101-25102.diff:

Function name:

M /issm/trunk-jpl/m4/analyses.m4 M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.m

Export determination: 6.

Rationale: BUG: Cast str to int; cleanup

Change #416 with diff file ISSM-25102-25103.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test444.py M /issm/trunk-jpl/test/NightlyRun/test445.py

Export determination: 6.
Rationale: BUG: Need 2d partition arrays now.

Change #417 with diff file ISSM-25103-25104.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test445.py
Export determination: 6.
Rationale: BUG: Need 2d mean/stddev/upper/lower field arrays now.

Change #418 with diff file ISSM-25104-25105.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test234.py
Export determination: 6.
Rationale: BUG: Need 2d mean/stddev/upper/lower field arrays now.

Change #419 with diff file ISSM-25105-25106.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu/uniform_u
Export determination: 6.
Rationale: CHG: Consistency check fix

Change #420 with diff file ISSM-25106-25107.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test234.m M /issm/trunk-jpl/test/NightlyRun/test234.py
Export determination: 6.
Rationale: CHG: Eased tolerances

Change #421 with diff file ISSM-25107-25108.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test420.py M /issm/trunk-jpl/test/NightlyRun/test445.py
Export determination: 6.
Rationale: BUG: Typo and missed removal of reference to vpartition

Change #422 with diff file ISSM-25108-25109.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota

Export determination: 6.

Rationale: CHG: Updated test suite exclusion lists

Change #423 with diff file ISSM-25109-25110.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Number and order of arguments

Change #424 with diff file ISSM-25110-25111.diff:

Function name:

M /issm/trunk-jpl/src/m/partition/AreaAverageOntoPartition.py M /issm/trunk-jpl/test/NightlyRun/test418.m

Export determination: 6.

Rationale: BUG: Further fixes for partitioner

Change #425 with diff file ISSM-25111-25112.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota

Export determination: 6.

Rationale: CHG: Updated comments for test suite exclusion lists

Change #426 with diff file ISSM-25112-25113.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test234.m M /issm/trunk-jpl/test/NightlyRun/test234.py

Export determination: 6.

Rationale: CHG: Reverting change to tolerance.

Change #427 with diff file ISSM-25113-25114.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test420.m M /issm/trunk-jpl/test/NightlyRun/test420.py

Export determination: 6.

Rationale: BUG: Indexing

Change #428 with diff file ISSM-25114-25115.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test420.m

Export determination: 6.

Rationale: CHG: Removed sanity check

Change #429 with diff file ISSM-25115-25116.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota

Export determination: 6.

Rationale: CHG: Updated test suite exclusion lists

Change #430 with diff file ISSM-25116-25117.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.py

Export determination: 6.

Rationale: CHG: Setting verbosity to 0

Change #431 with diff file ISSM-25117-25118.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.m

Export determination: 6.

Rationale: CHG: Setting verbosity to 0

Change #432 with diff file ISSM-25118-25119.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancevelocityAnalysis.c

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/EsaAnalysis.cpp
 M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.cpp
 M /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.cpp
 M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.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/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
 M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp
 M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
 M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
 M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp A /issm/trunk-jpl/src/m/classes/loadinglove.m M /issm/trunk-jpl/src/m/classes/model.m A /issm/trunk-jpl/src/m/classes/rotational.m A /issm/trunk-jpl/src/m/classes/solidearth.m
 A /issm/trunk-jpl/src/m/classes/solidearthsettings.m A /issm/trunk-jpl/src/m/classes/surfaceload.m
 A /issm/trunk-jpl/src/m/classes/tidallove.m
 Export determination: 6.
 Rationale: CHG: significant changes to the organization of slr -i new solidearth class that encompasses all of the slr fields.

Change #433 with diff file ISSM-25119-25120.diff:
 Function name:
 M /issm/trunk-jpl/src/m/classes/model.m
 Export determination: 6.
 Rationale: CHG: loading old models with slr in them.

Change #434 with diff file ISSM-25120-25121.diff:
 Function name:
 M /issm/trunk-jpl/src/m/classes/organizer.m
 Export determination: 6.
 Rationale: CHG: figure out if the step is locked.

Change #435 with diff file ISSM-25121-25122.diff:
 Function name:
 M /issm/trunk-jpl/m4/issm_options.m4
 Export determination: 6.
 Rationale: CHG: better handling of MATLAB's mex problems

Change #436 with diff file ISSM-25122-25123.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.m M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshgmshplanet.m

Export determination: 6.

Rationale: CHG: Resetting verbosity level in call to Gmsh; missing semicolons causing prints

Change #437 with diff file ISSM-25123-25124.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Translation from MATLAB

Change #438 with diff file ISSM-25124-25125.diff:

Function name:

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/test2010.m

M /issm/trunk-jpl/test/NightlyRun/test2111.m M /issm/trunk-jpl/test/NightlyRun/test2112.m

M /issm/trunk-jpl/test/NightlyRun/test2113.m M /issm/trunk-jpl/test/NightlyRun/test2424.m

M /issm/trunk-jpl/test/NightlyRun/test2425.m

Export determination: 6.

Rationale: CHG: fixed bugs due to change from slr to solidearth class.

Change #439 with diff file ISSM-25125-25126.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh M /issm/trunk-jpl/externalpackages/netcdf/install-

4.7-parallel-static-with_tests.sh M /issm/trunk-jpl/externalpackages/netcdf/install-

4.7-parallel-static.sh M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-

with_tests.sh M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel.sh

M /issm/trunk-jpl/externalpackages/netcdf/install-4.7.sh M /issm/trunk-jpl/externalpackages/netcdf-

python/install.sh M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth M /issm/trunk-

jpl/scripts/devpath.py M /issm/trunk-jpl/src/m/classes/basin.py M /issm/trunk-

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

/issm/trunk-jpl/src/m/classes/fourierlove.py M /issm/trunk-jpl/src/m/classes/linearbasalforcings.py

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

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/matestar.py M /issm/trunk-jpl/src/m/classes/matice.py

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

M /issm/trunk-jpl/src/m/classes/rotational.m A /issm/trunk-jpl/src/m/classes/rotational.py
 M /issm/trunk-jpl/src/m/classes/sealevelmodel.m M /issm/trunk-jpl/src/m/classes/sealevelmodel.py
 M /issm/trunk-jpl/src/m/classes/slr.py A /issm/trunk-jpl/src/m/classes/solidearth.py
 M /issm/trunk-jpl/src/m/classes/solidearthsettings.m A /issm/trunk-jpl/src/m/classes/solidearthsettings.py
 M /issm/trunk-jpl/src/m/classes/surfaceload.m A /issm/trunk-jpl/src/m/classes/surfaceload.py
 A /issm/trunk-jpl/src/m/classes/tidallove.py M /issm/trunk-jpl/src/m/coordsystems/gdaltransform.py
 M /issm/trunk-jpl/src/m/dev/devpath.py M /issm/trunk-jpl/src/m/geometry/polyarea.py
 M /issm/trunk-jpl/src/m/io/loadvars.py M /issm/trunk-jpl/src/m/materials/nye.py
 M /issm/trunk-jpl/src/m/plot/applyoptions.py M /issm/trunk-jpl/src/m/plot/plot_unit.py
 M /issm/trunk-jpl/src/m/plot/plotmodel.py M /issm/trunk-jpl/src/m/shp/shpread.m
 M /issm/trunk-jpl/src/m/shp/shpread.py M /issm/trunk-jpl/test/NightlyRun/test2001.py
 M /issm/trunk-jpl/test/NightlyRun/test2002.py M /issm/trunk-jpl/test/NightlyRun/test2003.py
 M /issm/trunk-jpl/test/NightlyRun/test2004.m M /issm/trunk-jpl/test/NightlyRun/test2010.py
 M /issm/trunk-jpl/test/NightlyRun/test2424.py M /issm/trunk-jpl/test/NightlyRun/test2425.py
 Export determination: 6.
 Rationale: CHG: Saving progress on MATLAB -> Python translations; cleanup

Change #440 with diff file ISSM-25126-25127.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Saving progress on MATLAB -> Python translations; cleanup

Change #441 with diff file ISSM-25127-25128.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota

Export determination: 6.

Rationale: CHG: Excluding test 420 under Python

Change #442 with diff file ISSM-25128-25129.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing AD gia_core not compiled

Change #443 with diff file ISSM-25129-25130.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/giaivins.m M /issm/trunk-jpl/src/m/classes/giaivins.py
M /issm/trunk-jpl/src/m/classes/giamme.m M /issm/trunk-jpl/src/m/classes/mesh3dsurface.m
M /issm/trunk-jpl/src/m/classes/mesh3dsurface.py M /issm/trunk-jpl/src/m/classes/model.py
M /issm/trunk-jpl/src/m/parameterization/parameterize.py M /issm/trunk-jpl/test/NightlyRun/test2001.py
M /issm/trunk-jpl/test/NightlyRun/test2051.py M /issm/trunk-jpl/test/NightlyRun/test2052.py
M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.py M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksCD.
M /issm/trunk-jpl/test/Par/SquareSheetConstrained.py

Export determination: 6.

Rationale: CHG: Saving progress on MATLAB to Python translations (still need to track down marshalling bug on Python side)

Change #444 with diff file ISSM-25130-25131.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/giamme.py

Export determination: 6.

Rationale: ADD: Missing giamme class.

Change #445 with diff file ISSM-25131-25132.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2001.m M /issm/trunk-jpl/test/NightlyRun/test2001.py
M /issm/trunk-jpl/test/NightlyRun/test2002.py M /issm/trunk-jpl/test/NightlyRun/test2051.m
M /issm/trunk-jpl/test/NightlyRun/test2051.py M /issm/trunk-jpl/test/NightlyRun/test2052.m
M /issm/trunk-jpl/test/NightlyRun/test2052.py M /issm/trunk-jpl/test/NightlyRun/test2053.m
M /issm/trunk-jpl/test/NightlyRun/test2053.py M /issm/trunk-jpl/test/NightlyRun/test2071.m
M /issm/trunk-jpl/test/NightlyRun/test2071.py M /issm/trunk-jpl/test/NightlyRun/test2072.m
M /issm/trunk-jpl/test/NightlyRun/test2072.py M /issm/trunk-jpl/test/NightlyRun/test2073.m
M /issm/trunk-jpl/test/NightlyRun/test2073.py M /issm/trunk-jpl/test/NightlyRun/test2081.m
M /issm/trunk-jpl/test/NightlyRun/test2081.py M /issm/trunk-jpl/test/NightlyRun/test2082.m
M /issm/trunk-jpl/test/NightlyRun/test2082.py M /issm/trunk-jpl/test/NightlyRun/test2083.m
M /issm/trunk-jpl/test/NightlyRun/test2083.py

Export determination: 6.

Rationale: CHG: Translations for changes to tests; cleanup

Change #446 with diff file ISSM-25132-25133.diff:

Function name:

M /issm/trunk-jpl/src/m/partition/partitioner.py M /issm/trunk-jpl/test/NightlyRun/test418.py

Export determination: 6.
Rationale: CHG: Adapation of partitioner.

Change #447 with diff file ISSM-25133-25134.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test218.py M /issm/trunk-jpl/test/NightlyRun/test235.py
M /issm/trunk-jpl/test/NightlyRun/test244.py M /issm/trunk-jpl/test/NightlyRun/test250.py
M /issm/trunk-jpl/test/NightlyRun/test251.py M /issm/trunk-jpl/test/NightlyRun/test412.py
M /issm/trunk-jpl/test/NightlyRun/test413.py M /issm/trunk-jpl/test/NightlyRun/test414.py
M /issm/trunk-jpl/test/NightlyRun/test418.py M /issm/trunk-jpl/test/NightlyRun/test444.py
M /issm/trunk-jpl/test/NightlyRun/test445.py

Export determination: 6.

Rationale: CHG: Partitioner now returns tuple

Change #448 with diff file ISSM-25134-25135.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2051.m

Export determination: 6.

Rationale: BUG: Bad copy/paste of fieldnames

Change #449 with diff file ISSM-25135-25136.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test417.py M /issm/trunk-jpl/test/NightlyRun/test440.py

Export determination: 6.

Rationale: BUG: Partitioner now returns tuple.

Change #450 with diff file ISSM-25136-25137.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/generic.py M /issm/trunk-jpl/src/m/classes/giacaron.m
M /issm/trunk-jpl/src/m/classes/giaivins.py M /issm/trunk-jpl/src/m/classes/model.py
M /issm/trunk-jpl/src/m/classes/sealevelmodel.m M /issm/trunk-jpl/src/m/miscellaneous/fielddisplay.py

Export determination: 6.

Rationale: CHG: Cleanup

Change #451 with diff file ISSM-25137-25138.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/giaivins.py M /issm/trunk-jpl/src/m/solve/marshall.py

Export determination: 6.

Rationale: CHG: Marshaling fix for giaivins; cleanup

Change #452 with diff file ISSM-25138-25139.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/love_numbers.m A /issm/trunk-jpl/src/m/classes/love.m M /issm/trunk-jpl/src/m/classes/solidearth.m D /issm/trunk-jpl/src/m/classes/tidallove.m

Export determination: 6.

Rationale: CHG: merging loadlove and tidallove classes. Revamped load_numbers.m to use options. Default constructors for love class also, to avoid having to set them up each time.

Change #453 with diff file ISSM-25139-25140.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EsaAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: consolidating use of tidal and loading love numbers.

Change #454 with diff file ISSM-25140-25141.diff:

Function name:

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/test2010.m
M /issm/trunk-jpl/test/NightlyRun/test2101.m M /issm/trunk-jpl/test/NightlyRun/test2110.m
M /issm/trunk-jpl/test/NightlyRun/test2111.m M /issm/trunk-jpl/test/NightlyRun/test2112.m
M /issm/trunk-jpl/test/NightlyRun/test2113.m

Export determination: 6.

Rationale: CHG: using consolidated love numbers for tidal and loading love numbers.

Change #455 with diff file ISSM-25141-25142.diff:

Function name:

D /issm/trunk-jpl/src/m/classes/loadinglove.m D /issm/trunk-jpl/src/m/classes/loadinglove.py

D /issm/trunk-jpl/src/m/classes/tidallove.py

Export determination: 6.

Rationale: CHG: gone, merged into love.

Change #456 with diff file ISSM-25142-25143.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: weird bug on tk2secular. Not sure we understand yet.

Change #457 with diff file ISSM-25143-25144.diff:

Function name:

A /issm/trunk-jpl/src/m/boundaryconditions/getlovenumbers.m (from /issm/trunk-jpl/src/m/boundaryconditions/love_numbers.m:21307)

Export determination: 6.

Rationale: CHG: changing name.

Change #458 with diff file ISSM-25144-25145.diff:

Function name:

D /issm/trunk-jpl/src/m/classes/love.m A /issm/trunk-jpl/src/m/classes/lovenumbers.m

(from /issm/trunk-jpl/src/m/classes/love.m:25143) M /issm/trunk-jpl/src/m/classes/solidearth.m

Export determination: 6.

Rationale: CHG: resolved serious conflict in naming, all in the name of love

Change #459 with diff file ISSM-25145-25146.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: more debug statements.

Change #460 with diff file ISSM-25146-25147.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EsaAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp

Export determination: 6.

Rationale: CHG: chaning love class to lovenumbers.

Change #461 with diff file ISSM-25147-25148.diff:

Function name:

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/test2010.m

M /issm/trunk-jpl/test/NightlyRun/test2101.m M /issm/trunk-jpl/test/NightlyRun/test2110.m

M /issm/trunk-jpl/test/NightlyRun/test2111.m M /issm/trunk-jpl/test/NightlyRun/test2112.m

M /issm/trunk-jpl/test/NightlyRun/test2113.m

Export determination: 6.

Rationale: CHG: changing love class to lovenumbers class.

Change #462 with diff file ISSM-25148-25149.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor.

Change #463 with diff file ISSM-25149-25150.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: transfer reference frame better.

Change #464 with diff file ISSM-25150-25151.diff:

Function name:

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

M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessor/C

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

Export determination: 6.

Rationale: CHG: materials hydro class was missing fresh water density for hy-

drological applications. Also added hydrological fingerprints capabilities for sealevelchange core.

Change #465 with diff file ISSM-25151-25152.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed bug.

Change #466 with diff file ISSM-25152-25153.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: simple bug fixes.

Change #467 with diff file ISSM-25153-25154.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: allowing load that was hindered by love

Change #468 with diff file ISSM-25154-25155.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: completing and fix to preceding commit

Change #469 with diff file ISSM-25155-25156.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:syntax fix

Change #470 with diff file ISSM-25156-25157.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing import

Change #471 with diff file ISSM-25157-25158.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/giaivins.py M /issm/trunk-jpl/src/m/classes/giamme.py

M /issm/trunk-jpl/src/m/classes/lovenumbers.py M /issm/trunk-jpl/src/m/classes/mesh3dsurface.py

M /issm/trunk-jpl/src/m/classes/rotational.py M /issm/trunk-jpl/src/m/classes/solidearth.py

M /issm/trunk-jpl/src/m/classes/solidearthsettings.py M /issm/trunk-jpl/src/m/classes/surfaceload.py

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

Export determination: 6.

Rationale: CHG: Minor cleanup.

Change #472 with diff file ISSM-25158-25159.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/getlovenumbers.m A /issm/trunk-

jpl/src/m/boundaryconditions/getlovenumbers.py M /issm/trunk-jpl/src/m/classes/giaivins.py

M /issm/trunk-jpl/src/m/classes/giamme.py M /issm/trunk-jpl/src/m/classes/linearbasalforcings.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/mesh3dsurface.py M /issm/trunk-jpl/src/m/classes/model.py

M /issm/trunk-jpl/src/m/classes/rotational.py M /issm/trunk-jpl/src/m/classes/sealevelmodel.py

M /issm/trunk-jpl/src/m/classes/solidearth.py M /issm/trunk-jpl/src/m/classes/solidearthsettings.py

M /issm/trunk-jpl/src/m/classes/surfaceload.py M /issm/trunk-jpl/src/m/solve/marshall.py

M /issm/trunk-jpl/test/NightlyRun/test2002.py M /issm/trunk-jpl/test/NightlyRun/test2003.py

M /issm/trunk-jpl/test/NightlyRun/test2010.py M /issm/trunk-jpl/test/NightlyRun/test2101.py

M /issm/trunk-jpl/test/NightlyRun/test2110.py M /issm/trunk-jpl/test/NightlyRun/test2111.py

M /issm/trunk-jpl/test/NightlyRun/test2112.py M /issm/trunk-jpl/test/NightlyRun/test2113.py

Export determination: 6.

Rationale: CHG: Translated Love numbers support from MATLAB to Python

Change #473 with diff file ISSM-25159-25160.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test2002.py
Export determination: 6.
Rationale: BUG: md.solidearth.lovenumbers -i md.solidearth.love

Change #474 with diff file ISSM-25160-25161.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/solidearth.py
Export determination: 6.
Rationale: BUG: md.solidearth.lovenumbers -i md.solidearth.love

Change #475 with diff file ISSM-25161-25162.diff:

Function name:
M /issm/trunk-jpl/src/m/boundaryconditions/getlovenumbers.py M /issm/trunk-jpl/src/m/classes/friction.m M /issm/trunk-jpl/src/m/classes/friction.py M /issm/trunk-jpl/src/m/classes/model.py M /issm/trunk-jpl/src/m/classes/solidearth.py M /issm/trunk-jpl/src/m/coordsystems/gmtmask.py M /issm/trunk-jpl/src/m/solve/marshall.m M /issm/trunk-jpl/src/m/solve/marshall.py M /issm/trunk-jpl/src/m/solve/solve.m M /issm/trunk-jpl/test/NightlyRun/test2002.m M /issm/trunk-jpl/test/NightlyRun/test2003.m M /issm/trunk-jpl/test/NightlyRun/test2003.py
Export determination: 6.
Rationale: BUG: Marshalling of solid earth requested outputs.

Change #476 with diff file ISSM-25162-25163.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/model.m
Export determination: 6.
Rationale: BUG: fixed loading of old models

Change #477 with diff file ISSM-25163-25164.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/slr.py M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.py M /issm/trunk-jpl/src/m/coordsystems/gdaltransform.py A /issm/trunk-jpl/src/m/modules/ExpToLevelSet.py M /issm/trunk-jpl/src/m/partition/AreaAverageOntoPartition.py M /issm/trunk-jpl/src/m/plot/processmesh.m M /issm/trunk-jpl/src/m/plot/processmesh.py

M /issm/trunk-jpl/src/m/qmu/dakota_in_data.py M /issm/trunk-jpl/src/m/qmu/postqmu.m
M /issm/trunk-jpl/src/m/qmu/postqmu.py M /issm/trunk-jpl/src/m/shp/shpwrite.py
M /issm/trunk-jpl/test/NightlyRun/test2010.m M /issm/trunk-jpl/test/NightlyRun/test2010.py
Export determination: 6.
Rationale: CHG: MATLAB -i Python translations

Change #478 with diff file ISSM-25164-25165.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/model.py
Export determination: 6.
Rationale: CHG: Corrected display output

Change #479 with diff file ISSM-25165-25166.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/giamme.py M /issm/trunk-jpl/src/m/classes/model.py
M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.py M /issm/trunk-jpl/src/m/extrusion/project3d.m M /issm/trunk-jpl/src/m/extrusion/project3d.py
M /issm/trunk-jpl/src/m/partition/partitioner.m M /issm/trunk-jpl/src/m/partition/partitioner.py
M /issm/trunk-jpl/test/NightlyRun/test445.m M /issm/trunk-jpl/test/NightlyRun/test445.py
Export determination: 6.
Rationale: BUG: When partitioning 3d object, need to assign second return value back into md!

Change #480 with diff file ISSM-25166-25167.diff:

Function name:
M /issm/trunk-jpl/src/m/boundaryconditions/getlovenumbers.m M /issm/trunk-jpl/src/m/boundaryconditions/getlovenumbers.py M /issm/trunk-jpl/src/m/classes/lovenumbers.py
M /issm/trunk-jpl/src/m/classes/solidearthsettings.py M /issm/trunk-jpl/test/NightlyRun/test2002.m
M /issm/trunk-jpl/test/NightlyRun/test2002.py M /issm/trunk-jpl/test/NightlyRun/test2003.m
M /issm/trunk-jpl/test/NightlyRun/test2003.py M /issm/trunk-jpl/test/NightlyRun/test2101.m
Export determination: 6.
Rationale: CHG: Saving MATLAB -i Python changes; still hunting for implementation bug

Change #481 with diff file ISSM-25167-25168.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/materials.py
Export determination: 6.
Rationale: BUG: Scope of function naturetoint.

Change #482 with diff file ISSM-25168-25169.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/model.m M /issm/trunk-jpl/src/m/classes/results.py
M /issm/trunk-jpl/src/m/classes/slr.m M /issm/trunk-jpl/src/m/classes/slr.py
M /issm/trunk-jpl/src/m/solve/loadresultsfromcluster.py M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.
M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.m M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.p
M /issm/trunk-jpl/src/m/solve/solve.m M /issm/trunk-jpl/src/m/solve/solve.py
M /issm/trunk-jpl/src/m/solve/solveslm.m M /issm/trunk-jpl/test/NightlyRun/runme.py
M /issm/trunk-jpl/test/NightlyRun/test2010.m M /issm/trunk-jpl/test/NightlyRun/test2010.py
Export determination: 6.
Rationale: BUG: Corrected high-level bugs for test2010.py

Change #483 with diff file ISSM-25169-25170.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/dsl.py M /issm/trunk-jpl/src/m/classes/dslmme.m
A /issm/trunk-jpl/src/m/classes/dslmme.py M /issm/trunk-jpl/src/m/classes/geometry.m
M /issm/trunk-jpl/src/m/classes/geometry.py M /issm/trunk-jpl/src/m/classes/giamme.py
M /issm/trunk-jpl/src/m/classes/matdamageice.m M /issm/trunk-jpl/src/m/classes/matdamageice.py
M /issm/trunk-jpl/src/m/classes/matice.m M /issm/trunk-jpl/src/m/classes/matice.py
A /issm/trunk-jpl/src/m/classes/nodalvalue.py M /issm/trunk-jpl/src/m/classes/slr.py
M /issm/trunk-jpl/src/m/classes/solidearth.py M /issm/trunk-jpl/src/m/classes/toolkits.m
M /issm/trunk-jpl/src/m/classes/toolkits.py M /issm/trunk-jpl/src/m/consistency/checkfield.py
M /issm/trunk-jpl/src/m/solve/solve.py M /issm/trunk-jpl/test/NightlyRun/test2002.m
M /issm/trunk-jpl/test/NightlyRun/test2002.py
Export determination: 6.
Rationale: CHG: More MATLAB -j Python translations; cleanup

Change #484 with diff file ISSM-25170-25171.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/matice.py M /issm/trunk-jpl/src/m/classes/slr.py
Export determination: 6.
Rationale: CHG: Bad search and replace

Change #485 with diff file ISSM-25171-25172.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/matenhancedice.py M /issm/trunk-jpl/src/m/classes/matestar.py

M /issm/trunk-jpl/src/m/classes/rotational.py M /issm/trunk-jpl/src/m/classes/slr.py

M /issm/trunk-jpl/src/m/classes/surfaceload.py M /issm/trunk-jpl/test/NightlyRun/test2002.py

Export determination: 6.

Rationale: BUG: Fix for test2002; additional MATLAB -j, Python translation; cleanup

Change #486 with diff file ISSM-25172-25173.diff:

Function name:

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

M /issm/trunk-jpl/test/NightlyRun/test2071.py M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.py

M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksCD.py

Export determination: 6.

Rationale: BUG: Corrected remaining solid earth failures (still need to identify source of errors)

Change #487 with diff file ISSM-25173-25174.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-jpl/packagegers/linux/package-

issm-linux-binaries-with_dakota.sh M /issm/trunk-jpl/packagegers/mac/package-

issm-mac-binaries-with_dakota.sh

Export determination: 6.

Rationale: CHG: Changes to test suites.

Change #488 with diff file ISSM-25174-25175.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/packagegers/linux/package-

issm-linux-binaries-with_dakota.sh M /issm/trunk-jpl/packagegers/mac/package-

issm-mac-binaries-with_dakota.sh M /issm/trunk-jpl/test/NightlyRun/test444.m

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

Export determination: 6.

Rationale: CHG: Changes to test suites.

Change #489 with diff file ISSM-25175-25176.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-jpl/package-issm-linux-binaries-with_dakota.sh

Export determination: 6.

Rationale: CHG: Changes to test suites.

Change #490 with diff file ISSM-25176-25177.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/package-issm-mac-binaries-with_dakota.sh M /issm/trunk-jpl/test/NightlyRun/test444.m

M /issm/trunk-jpl/test/NightlyRun/test444.py M /issm/trunk-jpl/test/NightlyRun/test445.m

Export determination: 6.

Rationale: CHG: Changes to test suites.

Change #491 with diff file ISSM-25177-25178.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/package-issm-mac-binaries-with_dakota.sh M /issm/trunk-jpl/test/NightlyRun/test445.py

Export determination: 6.

Rationale: CHG: Changes to test suites.

Change #492 with diff file ISSM-25178-25179.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/runme.py M /issm/trunk-jpl/test/NightlyRun/test2010.py

Export determination: 6.

Rationale: BUG: Corrected test2010.py; results output precision for runme.py to match runme.m

Change #493 with diff file ISSM-25179-25180.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/Archive2004.arch M /issm/trunk-jpl/test/Archives/Archive2010.arch

Export determination: 6.

Rationale: Updated archives.

Change #494 with diff file ISSM-25180-25181.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Need path to GSL installation.

Change #495 with diff file ISSM-25181-25182.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2002.m M /issm/trunk-jpl/test/NightlyRun/test2002.py

M /issm/trunk-jpl/test/NightlyRun/test2010.py

Export determination: 6.

Rationale: BUG: Corrected test2002.py

Change #496 with diff file ISSM-25182-25183.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2003.py

Export determination: 6.

Rationale: BUG: Corrected test2003.py

Change #497 with diff file ISSM-25183-25184.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/getlovenumbers.py M /issm/trunk-

jpl/src/m/classes/lovenumbers.py M /issm/trunk-jpl/test/NightlyRun/test2111.m

M /issm/trunk-jpl/test/NightlyRun/test2111.py M /issm/trunk-jpl/test/NightlyRun/test2112.m

M /issm/trunk-jpl/test/NightlyRun/test2112.py M /issm/trunk-jpl/test/NightlyRun/test2113.m

M /issm/trunk-jpl/test/NightlyRun/test2113.py

Export determination: 6.

Rationale: BUG: Corrected remaining tests (Love number retrieval)

Change #498 with diff file ISSM-25184-25185.diff:

Function name:

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

jpl/externalpackages/dakota/install-6.2-mac.sh
Export determination: 6.
Rationale: BUG: No wildcards used in mfind -name.

Change #499 with diff file ISSM-25185-25186.diff:
Function name:
A /issm/trunk-jpl/scripts/cloc D /issm/trunk-jpl/scripts/cloc-1.60.pl M /issm/trunk-jpl/scripts/cloc2html.py M /issm/trunk-jpl/scripts/getloc.sh M /issm/trunk-jpl/src/dox/issm.dox
Export determination: 6.
Rationale: CHG: updated cloc

Change #500 with diff file ISSM-25186-25187.diff:
Function name:
M /issm/trunk-jpl/externalpackages/netcdf-python/install.sh
Export determination: 6.
Rationale: BUG: Added missing option flag.

Change #501 with diff file ISSM-25187-25188.diff:
Function name:
M /issm/trunk-jpl/externalpackages/doxygen/install.sh
Export determination: 6.
Rationale: CHG: updated doxygen

Change #502 with diff file ISSM-25188-25189.diff:
Function name:
M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-solid_earth.sh M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-with_dakota.sh M /issm/trunk-jpl/package/linux/package-issm-linux-binaries.sh M /issm/trunk-jpl/package/mac/package-issm-mac-binaries-with_dakota.sh M /issm/trunk-jpl/package/mac/package-issm-mac-binaries.sh
Export determination: 6.
Rationale: CHG: Check for MATLAB installation.

Change #503 with diff file ISSM-25189-25190.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-solid_earth.sh
M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-with_dakota.sh
M /issm/trunk-jpl/package/linux/package-issm-linux-binaries.sh M /issm/trunk-jpl/package/mac/package-issm-mac-binaries-with_dakota.sh M /issm/trunk-jpl/package/mac/package-issm-mac-binaries.sh A /issm/trunk-jpl/scripts/test-issm-linux-binaries-solid_earth.sh (from /issm/trunk-jpl/scripts/test-issm-linux-binaries-with_dakota.sh:25187) M /issm/trunk-jpl/scripts/test-issm-linux-binaries-with_dakota.sh M /issm/trunk-jpl/scripts/test-issm-linux-binaries.sh M /issm/trunk-jpl/scripts/test-issm-mac-binaries-with_dakota.sh M /issm/trunk-jpl/scripts/test-issm-mac-binaries.sh M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.m M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.py M /issm/trunk-jpl/src/m/coordsystems/gdalinfo.m M /issm/trunk-jpl/src/m/coordsystems/gmtmaskparallel.m M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.py M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.py M /issm/trunk-jpl/src/m/miscellaneous/converttopowerof2.m M /issm/trunk-jpl/src/m/plot/googlemaps.m

Export determination: 6.

Rationale: CHG: Clean up of binaries packaging and testing scripts; clean up of Jenkins configuration files; suppressing aliased options to grep in interface system calls

Change #504 with diff file ISSM-25190-25191.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: optimizing nc write for longer runs

Change #505 with diff file ISSM-25191-25192.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: removing print()

Change #506 with diff file ISSM-25192-25193.diff:

Function name:

A /issm/trunk-jpl/bin/plot_transient_movie.m A /issm/trunk-jpl/src/m/classes/clusters/hpc_simba.m
M /issm/trunk-jpl/src/m/parameterization/killberg.m

Export determination: 6.

Rationale: CHG: add 'transient_movie_steps' for specific time step

Change #507 with diff file ISSM-25193-25194.diff:

Function name:

D /issm/trunk-jpl/bin/plot_transient_movie.m M /issm/trunk-jpl/src/m/plot/plot_transient_movie.m

Export determination: 6.

Rationale: CHG: corrected plot_transient_movie based on Inwoo's comments

Change #508 with diff file ISSM-25194-25195.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Trying to get Dakota installing for binaries on Pine Island again.

Change #509 with diff file ISSM-25195-25196.diff:

Function name:

M /issm/trunk-jpl/scripts/cloc2html.py M /issm/trunk-jpl/scripts/getloc.sh M /issm/trunk-jpl/src/dox/issm.dox

Export determination: 6.

Rationale: CHG: minor, for doc

Change #510 with diff file ISSM-25196-25197.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-solid_earth M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-solid_earth.sh M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-with_dakota.sh M /issm/trunk-jpl/package/linux/package-issm-linux-binaries.sh M /issm/trunk-jpl/package/mac/package-issm-mac-binaries-with_dakota.sh M /issm/trunk-jpl/package/mac/package-issm-mac-binaries.sh M /issm/trunk-jpl/scripts/devpath.py M /issm/trunk-jpl/scripts/test-issm-linux-binaries-solid_earth.sh M /issm/trunk-jpl/scripts/test-issm-linux-binaries-with_dakota.sh M /issm/trunk-jpl/scripts/test-issm-linux-binaries.sh M /issm/trunk-jpl/scripts/test-issm-mac-binaries-with_dakota.sh M /issm/trunk-jpl/scripts/test-issm-mac-binaries.sh M /issm/trunk-jpl/src/m/Makefile.am M /issm/trunk-jpl/src/m/coordsystems/gmtmask

M /issm/trunk-jpl/src/m/coordsystems/gmtmask.py
Export determination: 6.
Rationale: CHG: Fixes for Linux solid earth binaries; applied similar changes to other packaging/testing scripts; clean up

Change #511 with diff file ISSM-25197-25198.diff:
Function name:
M /issm/trunk-jpl/scripts/test-issm-linux-binaries-solid_earth.sh
Export determination: 6.
Rationale: BUG: Uncommented required sections.

Change #512 with diff file ISSM-25198-25199.diff:
Function name:
M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth M /issm/trunk-jpl/src/m/dev/devpath.py
Export determination: 6.
Rationale: CHG: Now installing netcdf4-python via pip

Change #513 with diff file ISSM-25199-25200.diff:
Function name:
A /issm/trunk-jpl/externalpackages/gdal/install-3-netcdf.sh A /issm/trunk-jpl/externalpackages/gdal/install-3-python-netcdf-static.sh A /issm/trunk-jpl/externalpackages/gdal/install-3-python-netcdf.sh (from /issm/trunk-jpl/externalpackages/gdal/install-3.0-python-netcdf.sh:25198)
A /issm/trunk-jpl/externalpackages/gdal/install-3-python.sh D /issm/trunk-jpl/externalpackages/gdal/install-3.0-netcdf.sh D /issm/trunk-jpl/externalpackages/gdal/install-3.0-python-netcdf-static.sh D /issm/trunk-jpl/externalpackages/gdal/install-3.0-python-netcdf.sh
D /issm/trunk-jpl/externalpackages/gdal/install-3.0-python.sh D /issm/trunk-jpl/externalpackages/gdal/install-3.0.sh A /issm/trunk-jpl/externalpackages/gdal/install-3.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.11-linux-solid_earth.sh
D /issm/trunk-jpl/externalpackages/petsc/install-3.11-linux-static.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.11-linux.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.11-mac-static.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.11-mac.sh
M /issm/trunk-jpl/externalpackages/petsc/install-3.12-linux-solid_earth-static.sh
M /issm/trunk-jpl/externalpackages/petsc/install-3.12-linux-solid_earth.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.12-linux-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.12-linux.sh A /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-solid_earth-static.sh (from /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-static.sh:25197)
A /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-solid_earth.sh (from

/issm/trunk-jpl/externalpackages/petsc/install-3.12-mac.sh:25197) M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac.sh

Export determination: 6.

Rationale: CHG: Clean up

Change #514 with diff file ISSM-25200-25201.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosx_pine-island_examples A /issm/trunk-jpl/jenkins/pine_island-mac-solid_earth (from /issm/trunk-jpl/jenkins/pine_island-mac-dakota:25198) M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth

Export determination: 6.

Rationale: CHG: Clean up; working on new solid earth build for macOS.

Change #515 with diff file ISSM-25201-25202.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Loads/Friction.h M /issm/trunk-jpl/src/c/classes/Loads/Friction.h M /issm/trunk-jpl/src/c/modules/DragCoefficientAbsGradi M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.cpp M /issm/trunk-jpl/src/m/inversions/supportedcontrols.m A /issm/trunk-jpl/test/Archives/Archive356.arch A /issm/trunk-jpl/test/NightlyRun/test356.m M /issm/trunk-jpl/test/NightlyRun/test481.m

Export determination: 6.

Rationale: NEW: add an inversion of the friction coefficient in Schoof's friction law. In order to reuse the default code of the Budd's law, the coefficient C in Schoof's law is changed to $C=\sqrt{C_{old}}$. The name of the control_parameter in Schoof's law is called 'FrictionC'.

Change #516 with diff file ISSM-25202-25203.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: macOS solid earth configuration

Change #517 with diff file ISSM-25203-25204.diff:

Function name:
A /issm/trunk-jpl/externalpackages/gmt/install-6.0-mac.sh
Export determination: 6.
Rationale: ADD: macOS installation file

Change #518 with diff file ISSM-25204-25205.diff:
Function name:
M /issm/trunk-jpl/externalpackages/gdal/install-3-python-netcdf.sh
Export determination: 6.
Rationale: CHG: Modified config in attempt to clear postgresql linking while still skipping over most optional drivers

Change #519 with diff file ISSM-25205-25206.diff:
Function name:
M /issm/trunk-jpl/externalpackages/gdal/install-3-netcdf.sh M /issm/trunk-jpl/externalpackages/gdal/install-3-python-netcdf-static.sh M /issm/trunk-jpl/externalpackages/gdal/install-3-python-netcdf.sh M /issm/trunk-jpl/externalpackages/gdal/install-3-python.sh M /issm/trunk-jpl/externalpackages/gdal/install-3.sh
Export determination: 6.
Rationale: CHG: Removed bothersome option flag

Change #520 with diff file ISSM-25206-25207.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Inputs2/DatasetInput2.cpp
Export determination: 6.
Rationale: CHG: added GetTransientInputByOffset.

Change #521 with diff file ISSM-25207-25208.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Inputs2/DatasetInput2.h
Export determination: 6.
Rationale: CHG: added GetTransientInputByOffset capability

Change #522 with diff file ISSM-25208-25209.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added MatArray code for IoModelFetchDataToInput.

Change #523 with diff file ISSM-25209-25210.diff:

Function name:

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

M /issm/trunk-jpl/src/m/classes/SMBgradientscomponents.m M /issm/trunk-jpl/src/m/classes/SMBgradientscomponents.py M /issm/trunk-jpl/test/NightlyRun/test905.m

M /issm/trunk-jpl/test/NightlyRun/test905.py

Export determination: 6.

Rationale: CHG: changing gradients from parameter to time series in SMBgradientcomponent

Change #524 with diff file ISSM-25210-25211.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Inputs2/PentaInput2.cpp M /issm/trunk-jpl/src/c/classes/Inputs2/SegInput2.cpp

M /issm/trunk-jpl/src/c/classes/Inputs2/TriaInput2.cpp M /issm/trunk-jpl/src/c/classes/IoModel.cpp

Export determination: 6.

Rationale: BUG: fixed results on nodes problem

Change #525 with diff file ISSM-25211-25212.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: problems for 1D simulations

Change #526 with diff file ISSM-25212-25213.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/larour/equiprobable_histogram_uncertain.m

Export determination: 6.

Rationale: CHG: nice routine to create histogram_bin_uncertain inputs.

Change #527 with diff file ISSM-25213-25214.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed bug in indexing.

Change #528 with diff file ISSM-25214-25215.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added debugging information for cases where the grounding line is not correctly setup.

Change #529 with diff file ISSM-25215-25216.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: handle distributed uncertain variables. These variables give rise to special behaviour in terms of updating the inputs, using code specific to each enum coming in.

Change #530 with diff file ISSM-25216-25217.diff:

Function name:

A /issm/trunk-jpl/test/SandBox/partmme2002.m

Export determination: 6.

Rationale: CHG: MME multi-model test.

Change #531 with diff file ISSM-25217-25218.diff:

Function name:

M /issm/trunk-jpl/test/SandBox/Makefile A /issm/trunk-jpl/test/SandBox/bp2002.m

A /issm/trunk-jpl/test/SandBox/corr2002.m A /issm/trunk-jpl/test/SandBox/dak2002.m

A /issm/trunk-jpl/test/SandBox/geoid2002.m A /issm/trunk-jpl/test/SandBox/gia2002.m

A /issm/trunk-jpl/test/SandBox/hier2002.m A /issm/trunk-jpl/test/SandBox/interpBedmap2.m

A /issm/trunk-jpl/test/SandBox/mmedak.m A /issm/trunk-jpl/test/SandBox/res2002.m

M /issm/trunk-jpl/test/SandBox/testbayes.m A /issm/trunk-jpl/test/SandBox/tran2002.m
A /issm/trunk-jpl/test/SandBox/val2002.m
Export determination: 6.
Rationale: CHG: dak/slr related tests.

Change #532 with diff file ISSM-25218-25219.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/InputUpdateFromDakotax/InputUpdateFromDakotax.cpp
Export determination: 6.
Rationale: CHG: minor modifications.

Change #533 with diff file ISSM-25219-25220.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp
Export determination: 6.
Rationale: CHG: fixed bug in the mme processing.

Change #534 with diff file ISSM-25220-25221.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/mask.m
Export determination: 6.
Rationale: CHG: allow for MatArrays in the masks.

Change #535 with diff file ISSM-25221-25222.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/surfaceload.m
Export determination: 6.
Rationale: CHG: handle mat arrays for surface loads.

Change #536 with diff file ISSM-25222-25223.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/qmu/histogram_bin_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu/uniform_uncertain.m

Export determination: 6.
Rationale: CHG: handle partitions for histogram_bin_uncertain variables.

Change #537 with diff file ISSM-25223-25224.diff:

Function name:

M /issm/trunk-jpl/src/m/qmu/preqmu.m M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVariables.m

Export determination: 6.

Rationale: CHG: handle histograms that are parttioned, and distributed variables.

Change #538 with diff file ISSM-25224-25225.diff:

Function name:

M /issm/trunk-jpl/externalpackages/boost/install-1.7-linux-static.sh M /issm/trunk-jpl/externalpackages/boost/install-1.7-linux.sh M /issm/trunk-jpl/externalpackages/boost/install-1.7-mac-static.sh M /issm/trunk-jpl/externalpackages/boost/install-1.7-mac.sh

Export determination: 6.

Rationale: BUG: Fix for linking stage on Mac that allows for library renaming; cleanup

Change #539 with diff file ISSM-25225-25226.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/applyoptions.m

Export determination: 6.

Rationale: CHG: been looking for a long time for this, setting clipping off so we can zoom in onto Earth without losing entieres planes sectioned off.

Change #540 with diff file ISSM-25226-25227.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Prefer user-compiled copy of libgfortran over one installed via package manager.

Change #541 with diff file ISSM-25227-25228.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing TripleMultiply from Hydro DC

Change #542 with diff file ISSM-25228-25229.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/L2ProjectionEPLAnalysis.cpp

Export determination: 6.

Rationale: CHG: removing TripleMultiply from Hydro DC

Change #543 with diff file ISSM-25229-25230.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: taking out a legacy remnant, ice_levelset not needed here.

Leaving it in comments just in case I'm losing it and we need to reinstate it.

Change #544 with diff file ISSM-25230-25231.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Inputs2/DatasetInput2.cpp M /issm/trunk-jpl/src/c/classes/Inputs2/DatasetInput2.h

Export determination: 6.

Rationale: CHG: new GetInputMin and GetTriaInput functions for DataSet-Input2

Change #545 with diff file ISSM-25231-25232.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: better qmu output.

Change #546 with diff file ISSM-25232-25233.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/applyoptions.m

Export determination: 6.

Rationale: CHG: clipping back on.

Change #547 with diff file ISSM-25233-25234.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: output uq variables in the results.

Change #548 with diff file ISSM-25234-25235.diff:

Function name:

A /issm/trunk-jpl/externalpackages/m1qn3/install-maui.sh

Export determination: 6.

Rationale: CHG: added install-maui.sh

Change #549 with diff file ISSM-25235-25236.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: we wiped out the eustatic counter by introducing the hydro sea level change core. Fixed that.

Change #550 with diff file ISSM-25236-25237.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_coastlines.m M /issm/trunk-jpl/src/m/plot/radarpower.m

Export determination: 6.

Rationale: CHG: better coastlines plot.

Change #551 with diff file ISSM-25237-25238.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/GLheightadvectionAnalysis.cpp
Export determination: 6.
Rationale: CHG: we don't need to use VxAverage under ice shelves for GL distance

Change #552 with diff file ISSM-25238-25239.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive475.arch
Export determination: 6.
Rationale: CHG: no more vxaverage for GL distance calculation

Change #553 with diff file ISSM-25239-25240.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Seg.h
M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/cores/balancethickness_core.cpp M /issm/trunk-jpl/src/c/cores/movingfront_core.cpp
Export determination: 6.
Rationale: CHG: getting rid for input averaging at each spawnbasal element call

Change #554 with diff file ISSM-25240-25241.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp
Export determination: 6.
Rationale: CHG: fixing some problems with depth averaged velocity

Change #555 with diff file ISSM-25241-25242.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/movingfront_core.cpp
Export determination: 6.
Rationale: CHG: fixing some problems with depth averaged velocity

Change #556 with diff file ISSM-25242-25243.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying to get rid of dynamic mem allocations

Change #557 with diff file ISSM-25243-25244.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-linux-static.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-mac-static.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-mac.sh A /issm/trunk-jpl/externalpackages/gmt/configs/6.0/cmake A /issm/trunk-jpl/externalpackages/gmt/configs/6.0/cmake/ConfigUser.cmake A /issm/trunk-jpl/externalpackages/gmt/configs/6.0/static A /issm/trunk-jpl/externalpackages/gmt/configs/6.0/static/cmake A /issm/trunk-jpl/externalpackages/gmt/configs/6.0/static/cmake/ConfigUser.static.cmake A /issm/trunk-jpl/externalpackages/gmt/configs/6.0/static/cmake/modules A /issm/trunk-jpl/externalpackages/gmt/configs/6.0/static/cmake/modules/FindGDAL.cmake A /issm/trunk-jpl/externalpackages/gmt/configs/6.0/static/cmake/modules/FindGSHHG.cmake A /issm/trunk-jpl/externalpackages/gmt/configs/6.0/static/cmake/modules/FindNETCDF.cmake M /issm/trunk-jpl/externalpackages/gmt/install-6.0-linux-static.sh M /issm/trunk-jpl/externalpackages/gmt/install-6.0-linux.sh A /issm/trunk-jpl/externalpackages/gmt/install-6.0-mac-static.sh M /issm/trunk-jpl/externalpackages/gmt/install-6.0-mac.sh A /issm/trunk-jpl/externalpackages/netcdf/install-4.7-mac-parallel-static.sh M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-static.sh

Export determination: 6.

Rationale: CHG: New installation scripts in support of macOS Solid Earth binaries build.

Change #558 with diff file ISSM-25244-25245.diff:

Function name:

M /issm/trunk-jpl/externalpackages/boost/install-1.7-mac.sh A /issm/trunk-jpl/jenkins/pine_island-mac-binaries-solid_earth (from /issm/trunk-jpl/jenkins/pine_island-mac-binaries-with_dakota:25243) M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-solid_earth.sh M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-with_dakota.sh M /issm/trunk-jpl/package/mac/package-issm-mac-binaries-solid_earth.sh (from /issm/trunk-jpl/package/mac/package-issm-mac-binaries-with_dakota.sh:25242) M /issm/trunk-jpl/package/mac/package-issm-mac-binaries-with_dakota.sh M /issm/trunk-jpl/package/mac/package-issm-mac-binaries.sh M /issm/trunk-jpl/src/m/boundaryconditions/getlovenumbers.m

Export determination: 6.

Rationale: CHG: New macOS Solid-Earth binaries packaging script; clean up;
minor bug fix

Change #559 with diff file ISSM-25245-25246.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/getlovenumbers.m

Export determination: 6.

Rationale: CHG: Love number table updated for tidal love numbers only

Change #560 with diff file ISSM-25246-25247.diff:

Function name:

A /issm/trunk-jpl/src/m/solvers/SolvOptionTranslator.sh M /issm/trunk-jpl/src/m/solvers/asmoptions.py
A /issm/trunk-jpl/src/m/solvers/bcgsasmoptions.py A /issm/trunk-jpl/src/m/solvers/bcgobjacobioptions.py
A /issm/trunk-jpl/src/m/solvers/bcgsgamoptions.py A /issm/trunk-jpl/src/m/solvers/bcgsgasmoptions.py
A /issm/trunk-jpl/src/m/solvers/bcgshypreoptions.py A /issm/trunk-jpl/src/m/solvers/bcgobjacobioptions.py
A /issm/trunk-jpl/src/m/solvers/bcgslasmoptions.py A /issm/trunk-jpl/src/m/solvers/bcgslbjacobioptions.py
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A /issm/trunk-jpl/src/m/solvers/minresmgoptions.py A /issm/trunk-jpl/src/m/solvers/minresnoneoptions.py
A /issm/trunk-jpl/src/m/solvers/minrespbjacobioptions.py A /issm/trunk-jpl/src/m/solvers/minressoroptions.py
A /issm/trunk-jpl/src/m/solvers/mumpsnoneoptions.py A /issm/trunk-jpl/src/m/solvers/richardsonasmoptions.py
A /issm/trunk-jpl/src/m/solvers/richardsonbjacobioptions.py A /issm/trunk-jpl/src/m/solvers/richardsongamoptions.py
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A /issm/trunk-jpl/src/m/solvers/richardsonpbjacobioptions.py A /issm/trunk-jpl/src/m/solvers/richardsonsoroptions.py
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A /issm/trunk-jpl/src/m/solvers/stegmgoptions.py A /issm/trunk-jpl/src/m/solvers/stegnnoneoptions.py
A /issm/trunk-jpl/src/m/solvers/stegpbjacobioptions.py A /issm/trunk-jpl/src/m/solvers/stegsoroptions.py
M /issm/trunk-jpl/src/m/solvers/stokesoptions.py A /issm/trunk-jpl/src/m/solvers/symmlqasmoptions.py
A /issm/trunk-jpl/src/m/solvers/symmlqbjacobioptions.py A /issm/trunk-jpl/src/m/solvers/symmlqgamoptions.py
A /issm/trunk-jpl/src/m/solvers/symmlqgasmoptions.py A /issm/trunk-jpl/src/m/solvers/symmlqhypreoptions.py
A /issm/trunk-jpl/src/m/solvers/symmlqjacobioptions.py A /issm/trunk-jpl/src/m/solvers/symmlqmgoptions.py
A /issm/trunk-jpl/src/m/solvers/symmlqnnoneoptions.py A /issm/trunk-jpl/src/m/solvers/symmlqpbjacobioptions.py
A /issm/trunk-jpl/src/m/solvers/symmlqsoroptions.py A /issm/trunk-jpl/src/m/solvers/tfqmrasmoptions.py
A /issm/trunk-jpl/src/m/solvers/tfqmrjbacobioptions.py A /issm/trunk-jpl/src/m/solvers/tfqmrgamoptions.py
A /issm/trunk-jpl/src/m/solvers/tfqmrgasmoptions.py A /issm/trunk-jpl/src/m/solvers/tfqmrhypreoptions.py
A /issm/trunk-jpl/src/m/solvers/tfqmrjacobioptions.py A /issm/trunk-jpl/src/m/solvers/tfqmrmgoptions.py
A /issm/trunk-jpl/src/m/solvers/tfqmrnoneoptions.py A /issm/trunk-jpl/src/m/solvers/tfqmrpbjacobioptions.py
A /issm/trunk-jpl/src/m/solvers/tfqmrсорoptions.py
Export determination: 6.
Rationale: NEW : Translation of solver options to py with an automatic translator (SolvOptionTranslator.sh)

Change #561 with diff file ISSM-25247-25248.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Inputs2/TransientInputs.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorX/CreateParameters.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

Export determination: 6.

Rationale: CHG:clean up and parameter fetch optimisation in Hydrosrc/c/analyses/HydrologyDCEfficientAnalysis.h

Change #562 with diff file ISSM-25248-25249.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/StringToEnumx.cpp

Export determination: 6.

Rationale: BUG: Synchronized enums

Change #563 with diff file ISSM-25249-25250.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Member signatures

Change #564 with diff file ISSM-25250-25251.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Member function calls

Change #565 with diff file ISSM-25251-25252.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Member function calls

Change #566 with diff file ISSM-25252-25253.diff:

Function name:

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

jpl/src/c/analyses/HydrologyDCEfficientAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficient

M /issm/trunk-jpl/src/c/classes/Inputs2/TransientInput2.cpp M /issm/trunk-

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

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

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp
Export determination: 6.
Rationale: BUG: Reverting recent changes until Basile can review

Change #567 with diff file ISSM-25253-25254.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/getlovenumbers.py M /issm/trunk-jpl/test/Archives/Archive2002.arch M /issm/trunk-jpl/test/Archives/Archive2003.arch
M /issm/trunk-jpl/test/Archives/Archive2004.arch M /issm/trunk-jpl/test/Archives/Archive2010.arch
Export determination: 6.

Rationale: CHG: Updated Love table, archives

Change #568 with diff file ISSM-25254-25255.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2010.py

Export determination: 6.

Rationale: BUG: Corrected field assignment.

Change #569 with diff file ISSM-25255-25256.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: issue in the conversion of surface loads.

Change #570 with diff file ISSM-25256-25257.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: new dakota input scaling capability.

Change #571 with diff file ISSM-25257-25258.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: if code 8 comes in, ignore it, don't error out. So we can do

UQ based on mme classes.

Change #572 with diff file ISSM-25258-25259.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: pushing code for Dakota scaling directly inside the inputs, instead of from parameters coming from the Parameters* dataset. Not activated yet.

Change #573 with diff file ISSM-25259-25260.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: some specialty code for test 218.

Change #574 with diff file ISSM-25260-25261.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing legacy coding.

Change #575 with diff file ISSM-25261-25262.diff:

Function name:

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

M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.h

Export determination: 6.

Rationale: CHG: removing TripleMultiply

Change #576 with diff file ISSM-25262-25263.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing TripleMultiply

Change #577 with diff file ISSM-25263-25264.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.h M /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseAnalysis.h M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp

Export determination: 6.

Rationale: CHG: removed TripleMultiply

Change #578 with diff file ISSM-25264-25265.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing TripleMultiply

Change #579 with diff file ISSM-25265-25266.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing TripleMultiply

Change #580 with diff file ISSM-25266-25267.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: removing TripleMultiply

Change #581 with diff file ISSM-25267-25268.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: added assert and fixed pretty big bug.

Change #582 with diff file ISSM-25268-25269.diff:
Function name:
M /issm/trunk-jpl/test/SandBox/Makefile M /issm/trunk-jpl/test/SandBox/hier2002.m
M /issm/trunk-jpl/test/SandBox/partmme2002.m A /issm/trunk-jpl/test/SandBox/scale2002_element.m
A /issm/trunk-jpl/test/SandBox/scale2002_vertices.m
Export determination: 6.
Rationale: CHG: diverse

Change #583 with diff file ISSM-25269-25270.diff:
Function name:
A /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpMartos2017.m M
/issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpMouginotAnt2019.m
Export determination: 6.
Rationale: CHG: added geothermal flux from Martos

Change #584 with diff file ISSM-25270-25271.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/pfe.m
Export determination: 6.
Rationale: CHG: added checks and explanation about srcpath

Change #585 with diff file ISSM-25271-25272.diff:
Function name:
D /issm/trunk-jpl/externalpackages/netcdf/install-4.3.sh M /issm/trunk-jpl/externalpackages/netcdf/install-

4.7-parallel-static-with_tests.sh M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-static.sh M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-with_tests.sh M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel.sh M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-with_tests.sh
Export determination: 6.
Rationale: CHG: Minor fix and cleanup

Change #586 with diff file ISSM-25272-25273.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/larour/ismip6.m M /issm/trunk-jpl/src/m/contrib/larour/oceanmip.m

Export determination: 6.

Rationale: CHG: done a lot of work on these MME classes.

Change #587 with diff file ISSM-25273-25274.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: dslmodelid should be a double param for uq runs.

Change #588 with diff file ISSM-25274-25275.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: wrong enum

Change #589 with diff file ISSM-25275-25276.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: comment change.

Change #590 with diff file ISSM-25276-25277.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp
Export determination: 6.
Rationale: CHG: making dslmodelid a double.

Change #591 with diff file ISSM-25277-25278.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp
Export determination: 6.
Rationale: CHG: fixed io code conversion for mask ocean levelset.

Change #592 with diff file ISSM-25278-25279.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp
Export determination: 6.
Rationale: CHG: do not include BP into RSL, as it's present in the dynamic sea level part!

Change #593 with diff file ISSM-25279-25280.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp
Export determination: 6.
Rationale: CHG: stop adding or removing BP from RSL GRD patterns, they are already included in the dynstr signal.

Change #594 with diff file ISSM-25280-25281.diff:
Function name:
D /issm/trunk-jpl/externalpackages/petsc/install-3.12-pleiades.sh A /issm/trunk-jpl/externalpackages/petsc/install-3.13-pleiades.sh
Export determination: 6.
Rationale: CHG: use 3.13 instead

Change #595 with diff file ISSM-25281-25282.diff:
Function name:

M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp
Export determination: 6.
Rationale: CHG: Making modelid an int again.

Change #596 with diff file ISSM-25282-25283.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp
Export determination: 6.
Rationale: CHG: modelid an IssmDouble again with proper reCast

Change #597 with diff file ISSM-25283-25284.diff:
Function name:
A /issm/trunk-jpl/src/m/solve/loadresultfromdisk.m
Export determination: 6.
Rationale: CHG: load only one result at a time.

Change #598 with diff file ISSM-25284-25285.diff:
Function name:
M /issm/trunk-jpl/src/m/solve/loadresultfromdisk.m
Export determination: 6.
Rationale: CHG: acceleration of loadresultfromdisk if you know the positin already.

Change #599 with diff file ISSM-25285-25286.diff:
Function name:
M /issm/trunk-jpl/src/m/solve/loadresultfromdisk.m
Export determination: 6.
Rationale: CHG: fclose at the end!

Change #600 with diff file ISSM-25286-25287.diff:
Function name:
A /issm/trunk-jpl/src/m/solve/retrievesamples.m
Export determination: 6.

Rationale: CHG: retrieve samples from a directory.

Change #601 with diff file ISSM-25287-25288.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: missing bottom pressure in geodetic routine.

Change #602 with diff file ISSM-25288-25289.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed error in the eustatic contribution.

Change #603 with diff file ISSM-25289-25290.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: skip computation for non-icy elements

Change #604 with diff file ISSM-25290-25291.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2051.arch M /issm/trunk-jpl/test/Archives/Archive2052.arch

M /issm/trunk-jpl/test/Archives/Archive2053.arch M /issm/trunk-jpl/test/NightlyRun/test2051.m

M /issm/trunk-jpl/test/NightlyRun/test2052.m M /issm/trunk-jpl/test/NightlyRun/test2052.py

M /issm/trunk-jpl/test/NightlyRun/test2053.m M /issm/trunk-jpl/test/NightlyRun/test2053.py

M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.par M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksCD

Export determination: 6.

Rationale: CHG: GIA ivins nightly merged, 2051,52,53 =_i 2051; 2071,72,73=_i

2052; 2081,2082,2083 =_i 2053

Change #605 with diff file ISSM-25291-25292.diff:

Function name:

D /issm/trunk-jpl/test/Archives/Archive2071.arch D /issm/trunk-jpl/test/Archives/Archive2072.arch
 D /issm/trunk-jpl/test/Archives/Archive2073.arch D /issm/trunk-jpl/test/Archives/Archive2081.arch
 D /issm/trunk-jpl/test/Archives/Archive2082.arch D /issm/trunk-jpl/test/Archives/Archive2083.arch
 D /issm/trunk-jpl/test/NightlyRun/test2071.m D /issm/trunk-jpl/test/NightlyRun/test2071.py
 D /issm/trunk-jpl/test/NightlyRun/test2072.m D /issm/trunk-jpl/test/NightlyRun/test2072.py
 D /issm/trunk-jpl/test/NightlyRun/test2073.m D /issm/trunk-jpl/test/NightlyRun/test2073.py
 D /issm/trunk-jpl/test/NightlyRun/test2081.m D /issm/trunk-jpl/test/NightlyRun/test2081.py
 D /issm/trunk-jpl/test/NightlyRun/test2082.m D /issm/trunk-jpl/test/NightlyRun/test2082.py
 D /issm/trunk-jpl/test/NightlyRun/test2083.m D /issm/trunk-jpl/test/NightlyRun/test2083.py
 Export determination: 6.
 Rationale: DEL: these tests are now merged into 2051,52,53

Change #606 with diff file ISSM-25292-25293.diff:
 Function name:
 M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
 Export determination: 6.
 Rationale: CHG: use IsIceInElement to skip non-icy elements

Change #607 with diff file ISSM-25293-25294.diff:
 Function name:
 M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Inputs2/Inputs2.cpp
 M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
 M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
 M /issm/trunk-jpl/src/c/shared/Exceptions/Exceptions.cpp
 Export determination: 6.
 Rationale: CHG: new SealevelArea output from the geometry module + better output information for error in GetInput2Value.

Change #608 with diff file ISSM-25294-25295.diff:
 Function name:
 M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp
 Export determination: 6.
 Rationale: CHG: adding step and time to get the eustatic contribution in the correct place!

Change #609 with diff file ISSM-25295-25296.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: we extract Love kernels at planetary depth.

Change #610 with diff file ISSM-25296-25297.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Restructuring of Love kernels by SH degree, frequency, interface, and y.

Change #611 with diff file ISSM-25297-25298.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: default value of md.love.g0 changed from 10 to 9.81. More work needs to be done.

Change #612 with diff file ISSM-25298-25299.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2084.arch M /issm/trunk-jpl/test/Archives/Archive2085.arch

M /issm/trunk-jpl/test/NightlyRun/test2084.m M /issm/trunk-jpl/test/NightlyRun/test2085.m

Export determination: 6.

Rationale: CHG: Love kernels solutions are validated against analytic solutions and solutions archived

Change #613 with diff file ISSM-25299-25300.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: test for maui

Change #614 with diff file ISSM-25300-25301.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/pfe.m M /issm/trunk-jpl/src/m/classes/clusters/pfe.py
M /issm/trunk-jpl/src/m/classes/fourierlove.py M /issm/trunk-jpl/src/m/classes/geometry.m
M /issm/trunk-jpl/src/m/solve/WriteData.py M /issm/trunk-jpl/src/m/solve/loadresultfromdisk.m
A /issm/trunk-jpl/src/m/solve/loadresultfromdisk.py M /issm/trunk-jpl/src/m/solve/loadresultsfromcluster.p
M /issm/trunk-jpl/src/m/solve/marshall.py M /issm/trunk-jpl/src/m/solve/parsereultsfromdisk.m
M /issm/trunk-jpl/src/m/solve/parsereultsfromdisk.py M /issm/trunk-jpl/src/m/solve/solve.py
M /issm/trunk-jpl/test/NightlyRun/test2001.py M /issm/trunk-jpl/test/NightlyRun/test2051.m
M /issm/trunk-jpl/test/NightlyRun/test2051.py M /issm/trunk-jpl/test/NightlyRun/test2052.m
M /issm/trunk-jpl/test/NightlyRun/test2052.py M /issm/trunk-jpl/test/NightlyRun/test2053.m
M /issm/trunk-jpl/test/NightlyRun/test2053.py M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.py
M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksCD.py

Export determination: 6.

Rationale: CHG: Found really bad bug: scaling in WriteData was modifying model field values in some cases; changes to Python GIA tests; minor corrections/formatting

Change #615 with diff file ISSM-25301-25302.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh M /issm/trunk-jpl/packageagers/linux/package-
issm-linux-binaries-solid_earth.sh M /issm/trunk-jpl/packageagers/linux/package-
issm-linux-binaries-with_dakota.sh M /issm/trunk-jpl/packageagers/mac/package-
issm-mac-binaries-solid_earth.sh M /issm/trunk-jpl/packageagers/mac/package-issm-
mac-binaries-with_dakota.sh M /issm/trunk-jpl/src/m/solve/WriteData.py M
/issm/trunk-jpl/test/NightlyRun/runme.py

Export determination: 6.

Rationale: CHG: Modifications to fail on uncaught exceptions (will move this to test/NightlyRun/runme.py); temporary patch for tests that fail do to dependence on modification of model fields by WriteData

Change #616 with diff file ISSM-25302-25303.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Forgot to remove incomplete condition.

Change #617 with diff file ISSM-25303-25304.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/geometry.m M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.m
M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py M /issm/trunk-jpl/test/NightlyRun/test2052.m
M /issm/trunk-jpl/test/NightlyRun/test2085.m M /issm/trunk-jpl/test/NightlyRun/test2085.py

Export determination: 6.

Rationale: BUG: Array addressing when parsing results (Python); test translation; cleanup

Change #618 with diff file ISSM-25304-25305.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/cores.h M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp

Export determination: 6.

Rationale: CHG: fixed an issue with BP not being updated when running in MME mode.

Change #619 with diff file ISSM-25305-25306.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: better output log.

Change #620 with diff file ISSM-25306-25307.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed issue with transient bottom pressures getting destroyed into Tria Inputs that are not transient!

Change #621 with diff file ISSM-25307-25308.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBgemb.py M /issm/trunk-jpl/src/m/solve/WriteData.m
M /issm/trunk-jpl/src/m/solve/WriteData.py M /issm/trunk-jpl/test/NightlyRun/test234.py
M /issm/trunk-jpl/test/NightlyRun/test235.py M /issm/trunk-jpl/test/NightlyRun/test243.py
M /issm/trunk-jpl/test/NightlyRun/test244.py M /issm/trunk-jpl/test/NightlyRun/test250.py
M /issm/trunk-jpl/test/NightlyRun/test251.py M /issm/trunk-jpl/test/NightlyRun/test252.py

M /issm/trunk-jpl/test/NightlyRun/test253.py M /issm/trunk-jpl/test/NightlyRun/test418.py
M /issm/trunk-jpl/test/NightlyRun/test420.py M /issm/trunk-jpl/test/NightlyRun/test444.py
M /issm/trunk-jpl/test/Par/SquareShelf.py
Export determination: 6.
Rationale: CHG: Fix for WriteData; cleanup

Change #622 with diff file ISSM-25308-25309.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp
M /issm/trunk-jpl/src/c/classes/Inputs2/TransientInput2.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: pushing back change 25247

Change #623 with diff file ISSM-25309-25310.diff:

Function name:

M /issm/trunk-jpl/test/Par/SquareShelf.py

Export determination: 6.

Rationale: BUG: fixing failures (not errors)

Change #624 with diff file ISSM-25310-25311.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/WriteData.py

Export determination: 6.

Rationale: BUG: Write data fix (perhaps)

Change #625 with diff file ISSM-25311-25312.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBgemb.py M /issm/trunk-jpl/src/m/solve/WriteData.py

Export determination: 6.

Rationale: BUG: WriteData matrix addressing (in Python, it's a list of NumPy ndarray)

Change #626 with diff file ISSM-25312-25313.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Removed debugging statements

Change #627 with diff file ISSM-25313-25314.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBgemb.py M /issm/trunk-jpl/src/m/solve/WriteData.py

Export determination: 6.

Rationale: BUG: fix for the scaling in WriteData

Change #628 with diff file ISSM-25314-25315.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/morlighem/ismip6/decyear2date.m

Export determination: 6.

Rationale: BUG: fixed a bug when converting a vector of decyears to dates, it always used the year of the first entry as reference

Change #629 with diff file ISSM-25315-25316.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/marshall.m M /issm/trunk-jpl/src/m/solve/marshall.py

Export determination: 6.

Rationale: CHG: Quick method for saving copy of binary files (commented out)

Change #630 with diff file ISSM-25316-25317.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/WriteData.py

Export determination: 6.

Rationale: CHG: Using copy rather than deepcopy

Change #631 with diff file ISSM-25317-25318.diff:

Function name:

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

jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.h
 M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.h
 M /issm/trunk-jpl/src/c/analyses/UzawaPressureAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/UzawaPressureAnalysis.h
 M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
 M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
 M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Seg.h
 M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
 M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp
 M /issm/trunk-jpl/src/c/classes/Inputs2/ControlInput2.cpp M /issm/trunk-jpl/src/c/classes/Inputs2/Inputs2.h
 M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp
 M /issm/trunk-jpl/src/c/modules/ControlInputSetGradientx/ControlInputSetGradientx.cpp
 M /issm/trunk-jpl/src/c/modules/GetVectorFromControlInputsx/GetVectorFromControlInputsx.cpp
 M /issm/trunk-jpl/src/c/modules/Gradjx/Gradjx.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.cpp
 M /issm/trunk-jpl/src/c/modules/SetControlInputsFromVectorx/SetControlInputsFromVectorx.cpp
 M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
 M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
 Export determination: 6.
 Rationale: NEW: enable P0 controls

Change #632 with diff file ISSM-25318-25319.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: cleanup

Change #633 with diff file ISSM-25319-25320.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed AD

Change #634 with diff file ISSM-25320-25321.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed AD

Change #635 with diff file ISSM-25321-25322.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed AD

Change #636 with diff file ISSM-25322-25323.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed AD

Change #637 with diff file ISSM-25323-25324.diff:

Function name:

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

M /issm/trunk-jpl/src/c/cores/sealevelchange_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/EnumToSt

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

Export determination: 6.

Rationale: CHG: fixed bug on DslSeaWaterPressure... enum

Change #638 with diff file ISSM-25324-25325.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/applyoptions.m

Export determination: 6.

Rationale: CHG: fixed issue with option coastlines.

Change #639 with diff file ISSM-25325-25326.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_coastlines.m

Export determination: 6.

Rationale: CHG: minor.

Change #640 with diff file ISSM-25326-25327.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/larour/UQ A /issm/trunk-jpl/src/m/contrib/larour/UQ/sampling.m
M /issm/trunk-jpl/src/m/contrib/larour/equiprobable_histogram_uncertain.m M
/issm/trunk-jpl/src/m/contrib/larour/glaciermip.m M /issm/trunk-jpl/src/m/contrib/larour/oceanmip.m

Export determination: 6.

Rationale: CHG: diverse.

Change #641 with diff file ISSM-25327-25328.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: diverse.

Change #642 with diff file ISSM-25328-25329.diff:

Function name:

M /issm/trunk-jpl/src/m/qmu/preqmu.m

Export determination: 6.

Rationale: CHG: minor issue fix.

Change #643 with diff file ISSM-25330-25331.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/controladm1qn3_core.cpp M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cp

Export determination: 6.

Rationale: CHG: allow AD to deal with P0 inputs

Change #644 with diff file ISSM-25331-25332.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2085.arch M /issm/trunk-jpl/test/NightlyRun/test2085.m

Export determination: 6.

Rationale: CHG: revised test to benchmark love numbers at depth for degrees

2, 20, 200. y5 loading solutions for degree 200 look a bit unreal.

Change #645 with diff file ISSM-25332-25333.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing leak.

Change #646 with diff file ISSM-25334-25335.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: longer string for outputfilename2

Change #647 with diff file ISSM-25336-25337.diff:

Function name:

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

M /issm/trunk-jpl/src/c/toolkits/gsl/DenseGslSolve.cpp M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiVec.L

M /issm/trunk-jpl/src/c/toolkits/mumps/MumpsSolve.cpp

Export determination: 6.

Rationale: CHG: better initialization of vector and some cosmetics to issm toolkits

Change #648 with diff file ISSM-25337-25338.diff:

Function name:

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

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

Export determination: 6.

Rationale: BUG: fixing a bunch of memory leak (nothing major though)

Change #649 with diff file ISSM-25338-25339.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: reverting faulty commit

Change #650 with diff file ISSM-25339-25340.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/controlvalidation_core.cpp
Export determination: 6.
Rationale: BUG: minor

Change #651 with diff file ISSM-25340-25341.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: BUG: fixing problem with AD transient run, do not delete dependent_objects

Change #652 with diff file ISSM-25341-25342.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/controladm1qn3_core.cpp M /issm/trunk-jpl/src/c/cores/controlvalidation_core.cpp
Export determination: 6.
Rationale: BUG: fixed memory leak

Change #653 with diff file ISSM-25342-25343.diff:
Function name:
M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth M /issm/trunk-jpl/packageagers/linux/package-issm-linux-binaries-solid_earth.sh M /issm/trunk-jpl/packageagers/mac/package-issm-mac-binaries-solid_earth.sh M /issm/trunk-jpl/test/NightlyRun/test2085.m M /issm/trunk-jpl/test/NightlyRun/test2085.py
Export determination: 6.
Rationale: CHG: Applied changes to Python copy of 2085; eased tolerances

Change #654 with diff file ISSM-25343-25344.diff:
Function name:

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

Export determination: 6.

Rationale: CHG: MATLAB to Python

Change #655 with diff file ISSM-25344-25345.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.m M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.m

Export determination: 6.

Rationale: BUG: 'gmsh info' prints to stderr under GMSH 3!

Change #656 with diff file ISSM-25345-25346.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh

Export determination: 6.

Rationale: CHG: Allow linking to sqlite library when we compile it as an external package.

Change #657 with diff file ISSM-25346-25347.diff:

Function name:

M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.py M /issm/trunk-jpl/src/m/io/loadmodel.py

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

Export determination: 6.

Rationale: CHG: Default argument cannot follow *args; shlex not behaving as expected

Change #658 with diff file ISSM-25354-25355.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/adhikari A /issm/trunk-jpl/src/m/contrib/adhikari/spada_elastic_loading_de

A /issm/trunk-jpl/src/m/contrib/adhikari/spada_elastic_tidal_deg_h_l_k A /issm/trunk-

jpl/src/m/contrib/adhikari/yi_analytic_homogenous.m

Export determination: 6.

Rationale: NEW: analytic function for elastic homogenous earth and spada benchmark solutions for both elastic loading and tidal cases

Change #659 with diff file ISSM-25355-25356.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: adding a switch that allows us to validate our solutions against the Spada benchmarks

Change #660 with diff file ISSM-25356-25357.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2085.m

Export determination: 6.

Rationale: CHG: added a switch that allows us to validate love_at_depth against analytic solutions for homogeneous case, both for surface loading and tidal forcings. However, got NaN for analytic solutions for degrees larger than 50

Change #661 with diff file ISSM-25357-25358.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/adhikari/issm_vs_analytic_loading_homogeneous.pdf

A /issm/trunk-jpl/src/m/contrib/adhikari/issm_vs_analytic_tidal_homogeneous.pdf

M /issm/trunk-jpl/src/m/contrib/adhikari/yi_analytic_homogenous.m

Export determination: 6.

Rationale: CHG: reworded on analytic solutions for computing love_at_depth for homogeneous planet. Plus a couple of figures that show comparison between ISSM (circles) and analytic (solid lines) for both surface loading and tidal forcing

Change #662 with diff file ISSM-25362-25363.diff:

Function name:

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

Export determination: 6.

Rationale: minor

Change #663 with diff file ISSM-25363-25364.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #664 with diff file ISSM-25364-25365.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: improved error message handling

Change #665 with diff file ISSM-25365-25366.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: add melt and accum output to pdd 3d

Change #666 with diff file ISSM-25366-25367.diff:

Function name:

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

M /issm/trunk-jpl/src/c/classes/Loads/Friction.h M /issm/trunk-jpl/src/c/modules/DragCoefficientAbsGradi

M /issm/trunk-jpl/src/m/classes/frictionweertman.m M /issm/trunk-jpl/src/m/classes/frictionweertmantemp

A /issm/trunk-jpl/test/Archives/Archive357.arch A /issm/trunk-jpl/test/NightlyRun/test357.m

Export determination: 6.

Rationale: NEW: add inversion for Weertman friction law. In order to achieve better convergence, Weertman friction law is modified to $\sigma_b = C^2 |u_b|^{(1/m - 1)} u_b$

Change #667 with diff file ISSM-25367-25368.diff:

Function name:

A /issm/trunk-jpl/externalpackages/mealpix A /issm/trunk-jpl/externalpackages/mealpix/help

A /issm/trunk-jpl/externalpackages/mealpix/help/alm2pix_help.m A /issm/trunk-jpl/externalpackages/mealpix/help/alm2spec_help.m A /issm/trunk-jpl/externalpackages/mealpix/help/ang2p

A /issm/trunk-jpl/externalpackages/mealpix/help/ang2vec_help.m A /issm/trunk-jpl/externalpackages/mealpix/help/angDist_help.m A /issm/trunk-jpl/externalpackages/mealpix/help/corners

A /issm/trunk-jpl/externalpackages/mealpix/help/helpfuncalpha.m A /issm/trunk-

jpl/externalpackages/mealpdx/help/helpfuncbycat.m A /issm/trunk-jpl/externalpackages/mealpdx/help/helppt
 A /issm/trunk-jpl/externalpackages/mealpdx/help/hp3d_help.m A /issm/trunk-
 jpl/externalpackages/mealpdx/help/hpStat_help.m A /issm/trunk-jpl/externalpackages/mealpdx/help/html
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/alm2pix_help.html A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/alm2pix_help.png A /issm/trunk-jpl/externalpackages/mealpdx/help/
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/alm2spec_help.html A
 /issm/trunk-jpl/externalpackages/mealpdx/help/html/alm2spec_help.png A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/alm2spec_help_01.png A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/alm2spec_help_eq11326.png A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/alm2spec_help_eq18680.png A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/ang2pix_help.html A /issm/trunk-jpl/externalpackages/mealpdx/help
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/angDist_help.html A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/corners_help.html A /issm/trunk-jpl/externalpackages/mealpdx/help
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/helpfuncalpha_eq71008.png
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/helpfuncbycat.html A
 /issm/trunk-jpl/externalpackages/mealpdx/help/html/helpfuncbycat_eq71008.png
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/hp3d_help.html A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/hp3d_help.png A /issm/trunk-jpl/externalpackages/mealpdx/help/ht
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/hp3d_help_eq76767.png
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/hp3d_help_eq85998.png
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/hp3d_help_eq86607.png
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/hpStat_help.html A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/images A /issm/trunk-jpl/externalpackages/mealpdx/help/html/ima
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/inRing_help.html A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/mealpdx_bugreport.html A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/mealpdx_gs_top.html A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/mealpdx_healpdx.html A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/mealpdx_install.html A /issm/trunk-jpl/externalpackages/mealpdx/he
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/mealpdx_overview.html
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/mealpdx_product_page.html
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/mealpdx_references.html
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/mealpdx_reqts.html A
 /issm/trunk-jpl/externalpackages/mealpdx/help/html/nPix2nSide_help.html A
 /issm/trunk-jpl/externalpackages/mealpdx/help/html/nSide2nPix_help.html A
 /issm/trunk-jpl/externalpackages/mealpdx/help/html/nSide2res_help.html A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/nest2ring_help.html A /issm/trunk-jpl/externalpackages/mealpdx/he
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/pix2alm_help_eq05153.png
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/pix2alm_help_eq34006.png
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/pix2alm_help_eq50101.png
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/pix2alm_help_eq61214.png
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/pix2alm_help_eq70327.png
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/pix2alm_help_eq86607.png
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/pix2ang_help.html A /issm/trunk-
 jpl/externalpackages/mealpdx/help/html/pix2vec_help.html A /issm/trunk-jpl/externalpackages/mealpdx/help
 A /issm/trunk-jpl/externalpackages/mealpdx/help/html/queryDisc_help.html A
 /issm/trunk-jpl/externalpackages/mealpdx/help/html/res2nSide_help.html A /issm/trunk-

jpl/externalpackages/mealpix/help/html/ring2nest_help.html A /issm/trunk-jpl/externalpackages/mealpix/he
 A /issm/trunk-jpl/externalpackages/mealpix/help/html/ringNum_help.html A
 /issm/trunk-jpl/externalpackages/mealpix/help/html/synopsis.html A /issm/trunk-
 jpl/externalpackages/mealpix/help/html/template_help.html A /issm/trunk-jpl/externalpackages/mealpix/hel
 A /issm/trunk-jpl/externalpackages/mealpix/help/html/vec2pix_help.html A /issm/trunk-
 jpl/externalpackages/mealpix/help/html/xy2pix_help.html A /issm/trunk-jpl/externalpackages/mealpix/help/
 A /issm/trunk-jpl/externalpackages/mealpix/help/html/ylm_help.png A /issm/trunk-
 jpl/externalpackages/mealpix/help/html/ylm_help_01.png A /issm/trunk-jpl/externalpackages/mealpix/help/1
 A /issm/trunk-jpl/externalpackages/mealpix/help/html/ylm_help_eq99592.png
 A /issm/trunk-jpl/externalpackages/mealpix/help/html/z2ring_help.html A /issm/trunk-
 jpl/externalpackages/mealpix/help/inRing_help.m A /issm/trunk-jpl/externalpackages/mealpix/help/mealpix.
 A /issm/trunk-jpl/externalpackages/mealpix/help/mealpix_gs_top.m A /issm/trunk-
 jpl/externalpackages/mealpix/help/mealpix_healpix.m A /issm/trunk-jpl/externalpackages/mealpix/help/meal
 A /issm/trunk-jpl/externalpackages/mealpix/help/mealpix_notices.m A /issm/trunk-
 jpl/externalpackages/mealpix/help/mealpix_overview.m A /issm/trunk-jpl/externalpackages/mealpix/help/me
 A /issm/trunk-jpl/externalpackages/mealpix/help/mealpix_references.m A /issm/trunk-
 jpl/externalpackages/mealpix/help/mealpix_reqts.m A /issm/trunk-jpl/externalpackages/mealpix/help/nPix2n
 A /issm/trunk-jpl/externalpackages/mealpix/help/nSide2nPix_help.m A /issm/trunk-
 jpl/externalpackages/mealpix/help/nSide2res_help.m A /issm/trunk-jpl/externalpackages/mealpix/help/nest2
 A /issm/trunk-jpl/externalpackages/mealpix/help/pix2alm_help.m A /issm/trunk-
 jpl/externalpackages/mealpix/help/pix2ang_help.m A /issm/trunk-jpl/externalpackages/mealpix/help/pix2vec
 A /issm/trunk-jpl/externalpackages/mealpix/help/pix2xy_help.m A /issm/trunk-
 jpl/externalpackages/mealpix/help/queryDisc_help.m A /issm/trunk-jpl/externalpackages/mealpix/help/res2n
 A /issm/trunk-jpl/externalpackages/mealpix/help/ring2nest_help.m A /issm/trunk-
 jpl/externalpackages/mealpix/help/ring2z_help.m A /issm/trunk-jpl/externalpackages/mealpix/help/template
 A /issm/trunk-jpl/externalpackages/mealpix/help/vec2ang_help.m A /issm/trunk-
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 A /issm/trunk-jpl/externalpackages/mealpix/help/ylm_help.m A /issm/trunk-
 jpl/externalpackages/mealpix/help/z2ring_help.m A /issm/trunk-jpl/externalpackages/mealpix/info.xml
 A /issm/trunk-jpl/externalpackages/mealpix/src A /issm/trunk-jpl/externalpackages/mealpix/src/Contents.m
 A /issm/trunk-jpl/externalpackages/mealpix/src/alm2pix.m A /issm/trunk-jpl/externalpackages/mealpix/src/
 A /issm/trunk-jpl/externalpackages/mealpix/src/ang2pix.m A /issm/trunk-jpl/externalpackages/mealpix/src/
 A /issm/trunk-jpl/externalpackages/mealpix/src/angDist.m A /issm/trunk-jpl/externalpackages/mealpix/src/
 A /issm/trunk-jpl/externalpackages/mealpix/src/hp3d.m A /issm/trunk-jpl/externalpackages/mealpix/src/hp
 A /issm/trunk-jpl/externalpackages/mealpix/src/inRing.m A /issm/trunk-jpl/externalpackages/mealpix/src/n
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A /issm/trunk-jpl/externalpackages/mealpdx/src/private/qLMax.m A /issm/trunk-jpl/externalpackages/mealpdx/src/private/qNSide.m A /issm/trunk-jpl/externalpackages/mealpdx/src/private/ringNum.m A /issm/trunk-jpl/externalpackages/mealpdx/src/queryDisc.m A /issm/trunk-jpl/externalpackages/mealpdx/src/res2nSide.m A /issm/trunk-jpl/externalpackages/mealpdx/src/ring2nest.m A /issm/trunk-jpl/externalpackages/mealpdx/src/ring2z.m A /issm/trunk-jpl/externalpackages/mealpdx/src/vec2ang.m A /issm/trunk-jpl/externalpackages/mealpdx/src/vec2pdx.m A /issm/trunk-jpl/externalpackages/mealpdx/src/ylm.m A /issm/trunk-jpl/externalpackages/mealpdx/src/z2ri

Export determination: 6.

Rationale: NEW: matlab package for analyzing spherical harmonics based on Max Tegmark's HEALpdx tool

Change #668 with diff file ISSM-25368-25369.diff:

Function name:
M /issm/trunk-jpl/src/m/dev/devpath.m
Export determination: 6.
Rationale: CHG: mealpdx added to devpath

Change #669 with diff file ISSM-25369-25370.diff:

Function name:
A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/SHslr.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/chatlm.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/cpq.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/ehatlm.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/funlm.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/gmtOcean.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/lonLat.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/oceFun.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/phatlm.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/ppq.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/qhatlm.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/qpq.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/xhatlm.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/xpq.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/yhatlm.m A /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/ypq.m

Export determination: 6.

Rationale: NEW: spherical harmonic based approach to solve the sea level equation. See Appendix in Adhikari et al, 2019, ESSD for mathematical formulation.

Change #670 with diff file ISSM-25370-25371.diff:

Function name:

A /issm/trunk-jpl/test/NightlyRun/test2020.m

Export determination: 6.

Rationale: NEW: new test for spherical harmonic based approach of solving sea level equation

Change #671 with diff file ISSM-25371-25372.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive2020.arch

Export determination: 6.

Rationale: NEW: archive for test2020

Change #672 with diff file ISSM-25372-25373.diff:

Function name:

A /issm/trunk-jpl/test/Data/GRACE_JPL_April2002_WEH.mat

Export determination: 6.

Rationale: NEW: input data for test2020

Change #673 with diff file ISSM-25373-25374.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Inputs2/Inputs2.cpp

Export determination: 6.

Rationale: BUG: memory leak fix

Change #674 with diff file ISSM-25374-25375.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/m/classes/SMBd18opdd.m

M /issm/trunk-jpl/src/m/classes/SMBd18opdd.py M /issm/trunk-jpl/src/m/classes/SMBpdd.m

M /issm/trunk-jpl/src/m/classes/SMBpdd.py M /issm/trunk-jpl/test/Archives/Archive237.arch

M /issm/trunk-jpl/test/Archives/Archive239.arch M /issm/trunk-jpl/test/Archives/Archive247.arch

M /issm/trunk-jpl/test/NightlyRun/test237.m M /issm/trunk-jpl/test/NightlyRun/test239.m

M /issm/trunk-jpl/test/NightlyRun/test247.m

Export determination: 6.

Rationale: CHG: were not testing melt conditions for pdd, or changing of pdd factors before. Now added for SMBpdd and SMBd18opdd

Change #675 with diff file ISSM-25375-25376.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test237.py M /issm/trunk-jpl/test/NightlyRun/test239.py

Export determination: 6.

Rationale: CHG: update python tests for pdd melt

Change #676 with diff file ISSM-25376-25377.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive237.arch M /issm/trunk-jpl/test/Archives/Archive239.arch

M /issm/trunk-jpl/test/Archives/Archive247.arch

Export determination: 6.

Rationale: BUG: archives need to be update correctly for pdd fix

Change #677 with diff file ISSM-25377-25378.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/clusters/maui.m (from /issm/trunk-jpl/src/m/classes/clusters/greenplanet.m)

Export determination: 6.

Rationale: NEW: added maui

Change #678 with diff file ISSM-25378-25379.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #679 with diff file ISSM-25379-25380.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.cpr

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

jpl/src/c/analyses/UzawaPressureAnalysis.h M /issm/trunk-jpl/src/c/classes/Cfdragcoeffabsgrad.cpp
 M /issm/trunk-jpl/src/c/classes/Cfsurfacelogvel.cpp M /issm/trunk-jpl/src/c/classes/Cfsurfacesquare.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/Elements.cpp M /issm/trunk-jpl/src/c/classes/Elements/Elements.h
 M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
 M /issm/trunk-jpl/src/c/classes/Elements/Seg.cpp M /issm/trunk-jpl/src/c/classes/Elements/Seg.h
 M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h
 M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
 M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h
 A /issm/trunk-jpl/src/c/classes/Inputs (from /issm/trunk-jpl/src/c/classes/Inputs2:25378)
 A /issm/trunk-jpl/src/c/classes/Inputs/ArrayInput.cpp (from /issm/trunk-jpl/src/c/classes/Inputs2/ArrayInput2:25378)
 A /issm/trunk-jpl/src/c/classes/Inputs/ArrayInput.h (from /issm/trunk-jpl/src/c/classes/Inputs2/ArrayInput2.h:25378)
 D /issm/trunk-jpl/src/c/classes/Inputs/ArrayInput2.cpp D /issm/trunk-jpl/src/c/classes/Inputs/ArrayInput2.h
 A /issm/trunk-jpl/src/c/classes/Inputs/BoolInput.cpp (from /issm/trunk-jpl/src/c/classes/Inputs2/BoolInput2:25378)
 A /issm/trunk-jpl/src/c/classes/Inputs/BoolInput.h (from /issm/trunk-jpl/src/c/classes/Inputs2/BoolInput2.h:25378)
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 A /issm/trunk-jpl/src/c/classes/Inputs/ControlInput.cpp (from /issm/trunk-jpl/src/c/classes/Inputs2/ControlInput2:25378)
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 A /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.cpp (from /issm/trunk-jpl/src/c/classes/Inputs2/DatasetInput2:25378)
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 A /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput.cpp (from /issm/trunk-jpl/src/c/classes/Inputs2/DoubleInput2:25378)
 A /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput.h (from /issm/trunk-jpl/src/c/classes/Inputs2/DoubleInput2.h:25378)
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 A /issm/trunk-jpl/src/c/classes/Inputs/ElementInput.cpp (from /issm/trunk-jpl/src/c/classes/Inputs2/ElementInput2:25378)
 A /issm/trunk-jpl/src/c/classes/Inputs/ElementInput.h (from /issm/trunk-jpl/src/c/classes/Inputs2/ElementInput2.h:25378)
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 A /issm/trunk-jpl/src/c/classes/Inputs/Input.h (from /issm/trunk-jpl/src/c/classes/Inputs2/Input2:25378)
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 D /issm/trunk-jpl/src/c/classes/Inputs/Inputs2.h
 A /issm/trunk-jpl/src/c/classes/Inputs/IntInput.cpp (from /issm/trunk-jpl/src/c/classes/Inputs2/IntInput2:25378)
 A /issm/trunk-jpl/src/c/classes/Inputs/IntInput.h (from /issm/trunk-jpl/src/c/classes/Inputs2/IntInput2.h:25378)
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 A /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.cpp (from /issm/trunk-jpl/src/c/classes/Inputs2/PentaInput2:25378)
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 A /issm/trunk-jpl/src/c/classes/Inputs/SegInput.cpp (from /issm/trunk-jpl/src/c/classes/Inputs2/SegInput2:25378)
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 A /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.cpp (from /issm/trunk-jpl/src/c/classes/Inputs2/TransientInput2:25378)

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 M /issm/trunk-jpl/src/c/classes/IoModel.h M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp
 M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.cpp M /issm/trunk-jpl/src/c/classes/Loads/Numericalfl
 M /issm/trunk-jpl/src/c/classes/Materials/Material.h M /issm/trunk-jpl/src/c/classes/Materials/Matestar.cpp
 M /issm/trunk-jpl/src/c/classes/Materials/Matestar.h M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp
 M /issm/trunk-jpl/src/c/classes/Materials/Matrice.h M /issm/trunk-jpl/src/c/classes/Materials/Matlitho.h
 M /issm/trunk-jpl/src/c/classes/Misfit.cpp M /issm/trunk-jpl/src/c/classes/Radar.cpp
 M /issm/trunk-jpl/src/c/classes/classes.h M /issm/trunk-jpl/src/c/cores/gia_core.cpp
 M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp M /issm/trunk-jpl/src/c/main/esmfbinders.cpp
 M /issm/trunk-jpl/src/c/modules/ConfigureObjectsx/ConfigureObjectsx.cpp M
 /issm/trunk-jpl/src/c/modules/ConfigureObjectsx/ConfigureObjectsx.h M /issm/trunk-
 jpl/src/c/modules/DragCoefficientAbsGradientx/DragCoefficientAbsGradientx.cpp
 M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRatePicox/FloatingiceMeltingRatePicox.cpp
 M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRatex/FloatingiceMeltingRatex.cpp
 M /issm/trunk-jpl/src/c/modules/GetVectorFromInputsx/GetVectorFromInputsx.cpp
 M /issm/trunk-jpl/src/c/modules/InputDuplicatex/InputDuplicatex.cpp M /issm/trunk-
 jpl/src/c/modules/InputUpdateFromConstantx/InputUpdateFromConstantx.cpp
 M /issm/trunk-jpl/src/c/modules/InputUpdateFromConstantx/InputUpdateFromConstantx.h
 M /issm/trunk-jpl/src/c/modules/InputUpdateFromDakotax/InputUpdateFromDakotax.cpp
 M /issm/trunk-jpl/src/c/modules/KillIcebergsex/KillIcebergsex.cpp M /issm/trunk-
 jpl/src/c/modules/ModelProcessorex/Control/UpdateElementsAndMaterialsControl.cpp
 M /issm/trunk-jpl/src/c/modules/ModelProcessorex/CreateElementsVerticesAndMaterials.cpp
 M /issm/trunk-jpl/src/c/modules/ModelProcessorex/CreateOutputDefinitions.cpp
 M /issm/trunk-jpl/src/c/modules/ModelProcessorex/Dakota/UpdateElementsAndMaterialsDakota.cpp
 M /issm/trunk-jpl/src/c/modules/ModelProcessorex/ModelProcessorex.cpp M /issm/trunk-
 jpl/src/c/modules/ModelProcessorex/ModelProcessorex.h M /issm/trunk-jpl/src/c/modules/ModelProcessorex/
 M /issm/trunk-jpl/src/c/modules/RheologyBAbsGradientx/RheologyBAbsGradientx.cpp
 M /issm/trunk-jpl/src/c/modules/RheologyBbarAbsGradientx/RheologyBbarAbsGradientx.cpp
 M /issm/trunk-jpl/src/c/modules/SetActiveNodesLSMx/SetActiveNodesLSMx.cpp
 M /issm/trunk-jpl/src/c/modules/SurfaceAbsVelMisfitx/SurfaceAbsVelMisfitx.cpp
 M /issm/trunk-jpl/src/c/modules/SurfaceAverageVelMisfitx/SurfaceAverageVelMisfitx.cpp
 M /issm/trunk-jpl/src/c/modules/SurfaceLogVelMisfitx/SurfaceLogVelMisfitx.cpp
 M /issm/trunk-jpl/src/c/modules/SurfaceLogVxVyMisfitx/SurfaceLogVxVyMisfitx.cpp
 M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/Gembx.cpp M /issm/trunk-
 jpl/src/c/modules/SurfaceMassBalancex/SurfaceMassBalancex.cpp M /issm/trunk-
 jpl/src/c/modules/SurfaceRelVelMisfitx/SurfaceRelVelMisfitx.cpp M /issm/trunk-
 jpl/src/c/modules/ThicknessAbsMisfitx/ThicknessAbsMisfitx.cpp M /issm/trunk-
 jpl/src/c/modules/ThicknessAcrossGradientx/ThicknessAcrossGradientx.cpp M
 /issm/trunk-jpl/src/c/modules/ThicknessAlongGradientx/ThicknessAlongGradientx.cpp
 M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
Export determination: 6.
Rationale: CHG: moving inputs2 back to inputs

Change #680 with diff file ISSM-25380-25381.diff:
Function name:
M /issm/trunk-jpl/src/c/bamg/BamgOpts.cpp
Export determination: 6.
Rationale: CHG: minor

Change #681 with diff file ISSM-25381-25382.diff:
Function name:
M /issm/trunk-jpl/src/m/consistency/checkfield.m
Export determination: 6.
Rationale: BUG: corrected mistake pointed out by Nicole

Change #682 with diff file ISSM-25382-25383.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/SMBd18opdd.m M /issm/trunk-jpl/src/m/classes/SMBd18opdd.py
M /issm/trunk-jpl/src/m/classes/SMBpddSicopolis.m
Export determination: 6.
Rationale: BUG: cannot request both SIZE and TIMESERIES

Change #683 with diff file ISSM-25383-25384.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/matrice.m
Export determination: 6.
Rationale: CHG: allow enthalpy with Higher order finite element to set B

Change #684 with diff file ISSM-25384-25385.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/AllocateSystemMatricesx/AllocateSystemMatricesx.cpp

Export determination: 6.
Rationale: CHG: speeding up allocation

Change #685 with diff file ISSM-25385-25386.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBd18opdd.py A /issm/trunk-jpl/src/m/classes/frictionjosh.py
M /issm/trunk-jpl/src/m/classes/initialization.py M /issm/trunk-jpl/src/m/classes/matrice.py
M /issm/trunk-jpl/src/m/consistency/checkfield.py A /issm/trunk-jpl/test/NightlyRun/test247.py

Export determination: 6.

Rationale: NEW: add p1p2 pdd test in python

Change #686 with diff file ISSM-25386-25387.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Channel.h
M /issm/trunk-jpl/src/c/classes/Loads/Load.h M /issm/trunk-jpl/src/c/classes/Loads/Moulin.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Moulin.h M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.h M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux
M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.h M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.h M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Penpair.h M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.h M /issm/trunk-jpl/src/c/modules/AllocateSystemMatrices

Export determination: 6.

Rationale: CHG: speed up code

Change #687 with diff file ISSM-25387-25388.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing maui queuing script

Change #688 with diff file ISSM-25388-25389.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: allow for varying err when adapting meshes

Change #689 with diff file ISSM-25389-25390.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/BamgOpts.cpp M /issm/trunk-jpl/src/c/bamg/BamgOpts.h

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

Export determination: 6.

Rationale: CHG: fixing AMR with bamg

Change #690 with diff file ISSM-25390-25391.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/issm/IssmVec.h M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscSolver

Export determination: 6.

Rationale: CHG: added error message if wrong toolkit is used

Change #691 with diff file ISSM-25391-25392.diff:

Function name:

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

Export determination: 6.

Rationale: ADD: srcpath needs to be displayed

Change #692 with diff file ISSM-25392-25393.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #693 with diff file ISSM-25393-25394.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing maui

Change #694 with diff file ISSM-25394-25395.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing maui

Change #695 with diff file ISSM-25395-25396.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing maui

Change #696 with diff file ISSM-25396-25397.diff:

Function name:

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

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

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

M /issm/trunk-jpl/test/Archives/Archive243.arch M /issm/trunk-jpl/test/Archives/Archive244.arch

M /issm/trunk-jpl/test/Archives/Archive252.arch M /issm/trunk-jpl/test/Archives/Archive253.arch

Export determination: 6.

Rationale: CHG: make bare ice albedo calculation standard for all gemb schemes

Change #697 with diff file ISSM-25397-25398.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test252.m M /issm/trunk-jpl/test/NightlyRun/test252.py

Export determination: 6.

Rationale: CHG: fix tols for new gemb checkin

Change #698 with diff file ISSM-25398-25399.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test252.m M /issm/trunk-jpl/test/NightlyRun/test252.py

Export determination: 6.

Rationale: CHG: fix tols for new gemb checkin

Change #699 with diff file ISSM-25399-25400.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 tolerances

Change #700 with diff file ISSM-25400-25401.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: making friction and rheology B more flexible:

Change #701 with diff file ISSM-25401-25402.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/Mesh.cpp

Export determination: 6.

Rationale: BUG: fixing pb with err

Change #702 with diff file ISSM-25402-25403.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/adhikari/latelonge.m

Export determination: 6.

Rationale: NEW: a function to compute lat,long at elemental centorids on spherical surface

Change #703 with diff file ISSM-25403-25404.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: temporary fix, we have a test that has nbe = nbv

Change #704 with diff file ISSM-25404-25405.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: minor

Change #705 with diff file ISSM-25405-25406.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: velocity should be in m/yr

Change #706 with diff file ISSM-25406-25407.diff:

Function name:

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

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

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

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

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

M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.h M /issm/trunk-jpl/src/c/modules/GetVectorFromC

Export determination: 6.

Rationale: CHG: working on transient calibration. Not working yet

Change #707 with diff file ISSM-25407-25408.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing ADOLC

Change #708 with diff file ISSM-25408-25409.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing bug

Change #709 with diff file ISSM-25409-25410.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive3201.arch A /issm/trunk-jpl/test/NightlyRun/test3201.m

Export determination: 6.

Rationale: NEW: added codipack transient inversion test

Change #710 with diff file ISSM-25410-25411.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: new test for codi

Change #711 with diff file ISSM-25411-25412.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #712 with diff file ISSM-25412-25413.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: starting working on P1 transient inputs

Change #713 with diff file ISSM-25413-25414.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing a few things but transient P1 inversion not quite working yet still

Change #714 with diff file ISSM-25414-25415.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: missing count++

Change #715 with diff file ISSM-25415-25416.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing indexing for transient P1 inputs

Change #716 with diff file ISSM-25416-25417.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-codipack A /issm/trunk-jpl/test/Archives/Archive3202.arch

A /issm/trunk-jpl/test/NightlyRun/test3202.m

Export determination: 6.

Rationale: NEW: added transient calibration test to CoDiPack

Change #717 with diff file ISSM-25417-25418.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/adhikari/adhikari2016GMD_slr_solver A /issm/trunk-

jpl/src/m/contrib/adhikari/adhikari2016GMD_slr_solver/SESAWslr.m A /issm/trunk-

jpl/src/m/contrib/adhikari/adhikari2016GMD_slr_solver/greensfunctions.m A /issm/trunk-

jpl/src/m/contrib/adhikari/adhikari2016GMD_slr_solver/latelonge.m D /issm/trunk-

jpl/src/m/contrib/adhikari/latelonge.m

Export determination: 6.

Rationale: NEW: SESAW solver following the methods of Adhikari et al. 2016
GMD. Rotational feedback not accounted for yet

Change #718 with diff file ISSM-25418-25419.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp

Export determination: 6.

Rationale: BUG: fixed a bug which may cause some of the constraints not be

correctly imposed and a wrong value of the gradient calculation in using m1qn3

Change #719 with diff file ISSM-25419-25420.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp M /issm/trunk-jpl/src/m/classes/SMBgemb.m M /issm/trunk-jpl/src/m/classes/SMBgemb.py

Export determination: 6.

Rationale: CHG: fix tols for new gemb checkin

Change #720 with diff file ISSM-25420-25421.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: for pdd, don't look for thermal input if thermal model is off

Change #721 with diff file ISSM-25421-25422.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/m1qn3inversion.m

Export determination: 6.

Rationale: CHG: allow for P0 inversion

Change #722 with diff file ISSM-25422-25423.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: better killberg routine

Change #723 with diff file ISSM-25423-25424.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added json signature for auto completion

Change #724 with diff file ISSM-25424-25425.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added new dataset

Change #725 with diff file ISSM-25425-25426.diff:

Function name:

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

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

M /issm/trunk-jpl/src/c/main/kriging.cpp

Export determination: 6.

Rationale: CHG: enable compilation of Kriging with AD on

Change #726 with diff file ISSM-25426-25427.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added one numbered cost function

Change #727 with diff file ISSM-25427-25428.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/adhikari/adhikari2016GMD_slr_solver/SESASlr.m

M /issm/trunk-jpl/src/m/contrib/adhikari/adhikari2016GMD_slr_solver/greensfunctions.m

M /issm/trunk-jpl/src/m/contrib/adhikari/adhikari2016GMD_slr_solver/latelonge.m

A /issm/trunk-jpl/src/m/contrib/adhikari/adhikari2016GMD_slr_solver/rotationalfeedback.m

Export determination: 6.

Rationale: CHG: added rotational feedbacks to original SESAW solver

Change #728 with diff file ISSM-25428-25429.diff:

Function name:

A /issm/trunk-jpl/test/NightlyRun/test2021.m

Export determination: 6.

Rationale: NEW: new test for SESAW slr solver as described in Adhikari et al.
2016 GMD

Change #729 with diff file ISSM-25429-25430.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive2021.arch

Export determination: 6.

Rationale: NEW: archive for test2021

Change #730 with diff file ISSM-25430-25431.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/adhikari/adhikari2016GMD_slr_solver/SESASlr.m

Export determination: 6.

Rationale: minor

Change #731 with diff file ISSM-25431-25432.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2021.arch

Export determination: 6.

Rationale: CHG: Updated archive

Change #732 with diff file ISSM-25432-25433.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 tolerances

Change #733 with diff file ISSM-25433-25434.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2021.arch

Export determination: 6.

Rationale: CHG: Reverting archives to ones generated on macOS

Change #734 with diff file ISSM-25434-25435.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Updated test suite for Linux SE build.

Change #735 with diff file ISSM-25435-25436.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: add GEMB densification coefficients for MODIS with Antarctica

Change #736 with diff file ISSM-25436-25437.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/gauss/Gauss.h

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

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

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

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

Export determination: 6.

Rationale: NEW: using while loop instead of for, may speed up the code a bit

Change #737 with diff file ISSM-25437-25438.diff:

Function name:

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

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

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

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

Export determination: 6.

Rationale: CHG: fixing AD compilation

Change #738 with diff file ISSM-25438-25439.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/classes/gauss/Gauss.h M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.cpp
M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.h M /issm/trunk-jpl/src/c/classes/gauss/GaussSeg.cpp
M /issm/trunk-jpl/src/c/classes/gauss/GaussSeg.h M /issm/trunk-jpl/src/c/classes/gauss/GaussTetra.cpp
M /issm/trunk-jpl/src/c/classes/gauss/GaussTetra.h M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.cpp
M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.h

Export determination: 6.

Rationale: CHG: added reset function to reuse an existing gauss point

Change #739 with diff file ISSM-25439-25440.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.cpp M /issm/trunk-jpl/src/c/analyses/AdjointBalancethicknessAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancevelocityAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/DepthAverageAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ExtrapolationAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/ExtrudeFromBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ExtrudeFromTopAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/GLheightadvectionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/L2ProjectionEPLAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmoothAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/UzawaPressureAnalysis.cpp

Export determination: 6.

Rationale: CHG: removing gauss loop in analyses

Change #740 with diff file ISSM-25440-25441.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/adhikari/adhikari2016GMD_slr_solver/SESAWslr.m

Export determination: 6.

Rationale: CHG: extracted VLM from the original vlm solver

Change #741 with diff file ISSM-25441-25442.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.cpp
Export determination: 6.
Rationale: BUG: missing initialization of ig

Change #742 with diff file ISSM-25442-25443.diff:

Function name:
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/gauss/GaussTria.cpp M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.h
Export determination: 6.
Rationale: CHG: constructor for driving stress parameterization

Change #743 with diff file ISSM-25443-25444.diff:

Function name:
M /issm/trunk-jpl/src/m/contrib/adhikari/adhikari2016GMD_slr_solver/SESAWslr.m
Export determination: 6.
Rationale: CHG: extracting geoid height change from the original sesaw solver

Change #744 with diff file ISSM-25444-25445.diff:

Function name:
M /issm/trunk-jpl/src/m/contrib/adhikari/adhikari2016GMD_slr_solver/SESAWslr.m
Export determination: 6.
Rationale: minor

Change #745 with diff file ISSM-25445-25446.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 some gauss to next function

Change #746 with diff file ISSM-25446-25447.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Cfsurfacelogvel.cpp M /issm/trunk-jpl/src/c/classes/Cfsurfacesquare.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp M /issm/trunk-jpl/src/c/classes/gauss/Gauss.h
M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.cpp M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.h
M /issm/trunk-jpl/src/c/classes/gauss/GaussSeg.cpp M /issm/trunk-jpl/src/c/classes/gauss/GaussSeg.h
M /issm/trunk-jpl/src/c/classes/gauss/GaussTetra.cpp M /issm/trunk-jpl/src/c/classes/gauss/GaussTetra.h
M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.cpp M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.h
M /issm/trunk-jpl/src/c/modules/DragCoefficientAbsGradientx/DragCoefficientAbsGradientx.cpp
M /issm/trunk-jpl/src/c/modules/RheologyBAbsGradientx/RheologyBAbsGradientx.cpp
M /issm/trunk-jpl/src/c/modules/RheologyBbarAbsGradientx/RheologyBbarAbsGradientx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceAbsVelMisfitx/SurfaceAbsVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceAverageVelMisfitx/SurfaceAverageVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceLogVelMisfitx/SurfaceLogVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceLogVxVyMisfitx/SurfaceLogVxVyMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceRelVelMisfitx/SurfaceRelVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/ThicknessAbsMisfitx/ThicknessAbsMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/ThicknessAcrossGradientx/ThicknessAcrossGradientx.cpp
M /issm/trunk-jpl/src/c/modules/ThicknessAlongGradientx/ThicknessAlongGradientx.cpp

Export determination: 6.

Rationale: CHG: removing loop on gauss points

Change #747 with diff file ISSM-25447-25448.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying to speed up allocation

Change #748 with diff file ISSM-25448-25449.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/adhikari/sphericalharmonic_slr_solver/SHslr.m

Export determination: 6.

Rationale: CHG: more accurate definition of eustatic sea level

Change #749 with diff file ISSM-25449-25450.diff:

Function name:

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

Export determination: 6.
Rationale: BUG:fix of bad Python translation

Change #750 with diff file ISSM-25450-25451.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/solidearth.py
Export determination: 6.
Rationale: BUG: removing miscellaneous in solidearth

Change #751 with diff file ISSM-25451-25452.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.h M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.cpp
Export determination: 6.
Rationale: CHG: methods to compute discontinuous slope for surface elevation

Change #752 with diff file ISSM-25452-25453.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/pfe.m
Export determination: 6.
Rationale: CHG: Westmere nodes have been retired from Pleiades

Change #753 with diff file ISSM-25453-25454.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/pfe.py
Export determination: 6.
Rationale: CHG: Westmere nodes have been retired from Pleiades

Change #754 with diff file ISSM-25454-25455.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am D /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.cpp
D /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.h A /issm/trunk-jpl/src/c/classes/AmrNeopz.cpp
(from /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.cpp:25453) A /issm/trunk-

jpl/src/c/classes/AmrNeopz.h (from /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.h:25453)
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim
Export determination: 6.
Rationale: CHG: renaming AdaptiveMeshRefinement AmrNeopz

Change #755 with diff file ISSM-25455-25456.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/bamgmesh.py M /issm/trunk-jpl/src/m/classes/basin.m
M /issm/trunk-jpl/src/m/classes/basin.py M /issm/trunk-jpl/src/m/classes/boundary.py
A /issm/trunk-jpl/src/m/classes/giacaron.py M /issm/trunk-jpl/src/m/classes/mesh3dsurface.py
M /issm/trunk-jpl/src/m/classes/model.py M /issm/trunk-jpl/src/m/classes/pairoptions.py
M /issm/trunk-jpl/src/m/classes/sealevelmodel.m M /issm/trunk-jpl/src/m/classes/sealevelmodel.py
M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.m M /issm/trunk-jpl/src/m/coordsystems/epsg2proj.py
M /issm/trunk-jpl/src/m/coordsystems/gdaltransform.m M /issm/trunk-jpl/src/m/coordsystems/gdaltransform.py
M /issm/trunk-jpl/src/m/coordsystems/laea.m M /issm/trunk-jpl/src/m/exp/expread.py
A /issm/trunk-jpl/src/m/geometry/delaunay.py M /issm/trunk-jpl/src/m/geometry/find_point.m
A /issm/trunk-jpl/src/m/geometry/find_point.py A /issm/trunk-jpl/src/m/geometry/inpolygon.py
M /issm/trunk-jpl/src/m/geometry/polyarea.py M /issm/trunk-jpl/src/m/interp/SectionValues.py
M /issm/trunk-jpl/src/m/io/loadmodel.m M /issm/trunk-jpl/src/m/io/loadmodel.py
M /issm/trunk-jpl/src/m/io/loadvars.py M /issm/trunk-jpl/src/m/mech/newforcing.m
M /issm/trunk-jpl/src/m/mech/newforcing.py M /issm/trunk-jpl/src/m/mesh/TwoDToThreeD.m
M /issm/trunk-jpl/src/m/mesh/TwoDToThreeD.py M /issm/trunk-jpl/src/m/mesh/bamg.m
M /issm/trunk-jpl/src/m/mesh/bamg.py M /issm/trunk-jpl/src/m/mesh/bamgflowband.py
M /issm/trunk-jpl/src/m/mesh/findsegments.m A /issm/trunk-jpl/src/m/mesh/findsegments.py
M /issm/trunk-jpl/src/m/mesh/meshconvert.py M /issm/trunk-jpl/src/m/mesh/modelmerge3d.m
A /issm/trunk-jpl/src/m/mesh/modelmerge3d.py M /issm/trunk-jpl/src/m/mesh/rifts/meshprocessoutsiderift.py
M /issm/trunk-jpl/src/m/mesh/rifts/meshprocessrifts.py M /issm/trunk-jpl/src/m/mesh/squaremesh.py
M /issm/trunk-jpl/src/m/mesh/triangle.py A /issm/trunk-jpl/src/m/miscellaneous/intersect.py
A /issm/trunk-jpl/src/m/miscellaneous/pretty_print.m M /issm/trunk-jpl/src/m/modules/BamgMesher.py
M /issm/trunk-jpl/src/m/modules/ContourToNodes.py M /issm/trunk-jpl/src/m/modules/ElementConnectivity.py
M /issm/trunk-jpl/src/m/modules/ExpToLevelSet.py M /issm/trunk-jpl/src/m/modules/InterpFromMesh2d.m
A /issm/trunk-jpl/src/m/modules/InterpFromMesh2d.py M /issm/trunk-jpl/src/m/modules/InterpFromMesh2d.m
M /issm/trunk-jpl/src/m/modules/InterpFromMeshToMesh3d.py M /issm/trunk-jpl/src/m/modules/NodeConnectivity.py
M /issm/trunk-jpl/src/m/parameterization/contourenvelope.py
M /issm/trunk-jpl/src/m/partition/adjacency.py M /issm/trunk-jpl/src/m/plot/processmesh.py
M /issm/trunk-jpl/src/m/qmu/dakota_in_data.py M /issm/trunk-jpl/src/m/qmu/dakota_in_write.py
M /issm/trunk-jpl/src/m/qmu/helpers.py M /issm/trunk-jpl/src/m/qmu/postqmu.py
M /issm/trunk-jpl/src/m/shp/shpread.m M /issm/trunk-jpl/src/m/shp/shpread.py
M /issm/trunk-jpl/src/wrappers/ContourToMesh/ContourToMesh.cpp M /issm/trunk-jpl/src/wrappers/InterpFromMesh2d/InterpFromMesh2d.cpp
M /issm/trunk-jpl/src/wrappers/InterpFromMeshToMesh2d/InterpFromMeshToMesh2d.cpp M /issm/trunk-jpl/src/wrappers/python/Makefile.am
M /issm/trunk-jpl/test/NightlyRun/test2004.m

M /issm/trunk-jpl/test/NightlyRun/test423.m M /issm/trunk-jpl/test/NightlyRun/test423.py
M /issm/trunk-jpl/test/NightlyRun/test433.m M /issm/trunk-jpl/test/NightlyRun/test433.py
M /issm/trunk-jpl/test/Par/79North.py M /issm/trunk-jpl/test/Par/Pig.py M
/issm/trunk-jpl/test/Par/SquareSheetConstrained.py M /issm/trunk-jpl/test/Par/SquareSheetConstrainedCO
M /issm/trunk-jpl/test/Par/SquareSheetShelf.py M /issm/trunk-jpl/test/Par/SquareShelf2.py
M /issm/trunk-jpl/test/Par/SquareShelfConstrained.py
Export determination: 6.
Rationale: CHG: Saving chnages so that Basile has access to potential fix to
solidearthmodel class

Change #756 with diff file ISSM-25456-25457.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/processmesh.py

Export determination: 6.

Rationale: BUG: basestring does not exist in py3

Change #757 with diff file ISSM-25457-25458.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/findsegments.m M /issm/trunk-jpl/src/m/mesh/modelmerge3d.m

Export determination: 6.

Rationale: BUG: Removed print statments

Change #758 with diff file ISSM-25458-25459.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

Export determination: 6.

Rationale: CHG:fix to take into account the new shape of solidearth

Change #759 with diff file ISSM-25459-25460.diff:

Function name:

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

Export determination: 6.

Rationale: CHG:further refining to export

Change #760 with diff file ISSM-25460-25461.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu.py M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/export_netCD

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

Export determination: 6.

Rationale: BUG: fix to NC import/export related to qmu

Change #761 with diff file ISSM-25461-25462.diff:

Function name:

M /issm/trunk-jpl/test/Par/SquareShelf.py

Export determination: 6.

Rationale: BUG: Unpacking values.

Change #762 with diff file ISSM-25462-25463.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2020.m

Export determination: 6.

Rationale: CHG: Eased tolerances.

Change #763 with diff file ISSM-25463-25464.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Addressing.

Change #764 with diff file ISSM-25464-25465.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: moving inner loop of transient_core to transient_step

Change #765 with diff file ISSM-25465-25466.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/cores/cores.h M
/issm/trunk-jpl/src/c/cores/esa_core.cpp A /issm/trunk-jpl/src/c/cores/groundingline_core.cpp
M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp M /issm/trunk-jpl/src/c/cores/transient_core.cpp
M /issm/trunk-jpl/src/c/modules/GroundinglineMigrationx/GroundinglineMigrationx.cpp
Export determination: 6.
Rationale: CHG: making transient_core more homogeneous

Change #766 with diff file ISSM-25466-25467.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: cleanup and starting working on checkpointing ...

Change #767 with diff file ISSM-25467-25468.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: adding more controls as output

Change #768 with diff file ISSM-25468-25469.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: working on adding spcthickness as control in MC

Change #769 with diff file ISSM-25469-25470.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: cosmetics

Change #770 with diff file ISSM-25470-25471.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test3201.m
Export determination: 6.
Rationale: CHG: minor

Change #771 with diff file ISSM-25471-25472.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/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
M /issm/trunk-jpl/src/c/classes/Misfit.cpp

Export determination: 6.

Rationale: CHG: some cleanup of AD stuff

Change #772 with diff file ISSM-25472-25473.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: some cleanup of AD stuff

Change #773 with diff file ISSM-25473-25474.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: moving transient stuff around to make it more consistent

Change #774 with diff file ISSM-25474-25475.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: suppressing annoying Echo

Change #775 with diff file ISSM-25475-25476.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test2020.m
Export determination: 6.
Rationale: CHG: Typo.

Change #776 with diff file ISSM-25476-25477.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h
M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: NEW: working on check pointing, not working just yet...

Change #777 with diff file ISSM-25477-25478.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/sealevelmodel.py
Export determination: 6.
Rationale: BUG: fixing typos and imports

Change #778 with diff file ISSM-25478-25479.diff:

Function name:
M /issm/trunk-jpl/src/m/io/loadvars.py
Export determination: 6.
Rationale: CHG: nc export to deal with outpudefinitions and also non full results (in term of time)contrib/defleurian/netCDF/export_netCDF.py

Change #779 with diff file ISSM-25481-25482.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Params/TransientArrayParam.cpp
M /issm/trunk-jpl/src/c/classes/Params/TransientParam.cpp M /issm/trunk-jpl/src/c/shared/io/Marshalling/Marshalling.h
Export determination: 6.
Rationale: CHG: remove array marshalling, only use dyanmic

Change #780 with diff file ISSM-25482-25483.diff:

Function name:

A /issm/trunk-jpl/examples/shakti/moulin.py A /issm/trunk-jpl/examples/shakti/runme.py

Export determination: 6.

Rationale: NEW: py translation of Shakti example

Change #781 with diff file ISSM-25483-25484.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/defleurian/paraview/exportVTK.py

Export determination: 6.

Rationale: CHG:possibility to pass None for clipping (for higher order calls)

Change #782 with diff file ISSM-25484-25485.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: export of enumdefinitions

Change #783 with diff file ISSM-25485-25486.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/solidearth.py M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.py

M /issm/trunk-jpl/src/m/qmu/helpers.py

Export determination: 6.

Rationale: CHG:minor syntax

Change #784 with diff file ISSM-25486-25487.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/AllocateSystemMatricesx/AllocateSystemMatricesx.cpp

Export determination: 6.

Rationale: CHG:passing analysis_type to SetwiseNodeConnectivity to avoid overcalling FindParam

Change #785 with diff file ISSM-25487-25488.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor change in workflow for downstream activation

Change #786 with diff file ISSM-25488-25489.diff:

Function name:

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

Export determination: 6.

Rationale: CHG:avoiding to spawn hook when we spawn tria

Change #787 with diff file ISSM-25489-25490.diff:

Function name:

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

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

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

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

Export determination: 6.

Rationale: CHG:Avoid treating all the mesh for some things when we need only the base

Change #788 with diff file ISSM-25490-25491.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:missing declaration

Change #789 with diff file ISSM-25491-25492.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying to fix AD

Change #790 with diff file ISSM-25492-25493.diff:

Function name:

M /issm/trunk-jpl/src/m/qmu/helpers.py

Export determination: 6.

Rationale: BUG: trying to fix python dakota

Change #791 with diff file ISSM-25493-25494.diff:

Function name:

A /issm/trunk-jpl/examples/Data/GRCTellus.JPL.200204_201701.LND.RL05_1.DSTvSCS1411.nc

A /issm/trunk-jpl/examples/Data/Mask_GrIS_Tundra_Glaciers.mat A /issm/trunk-jpl/examples/Data/rgi_glacier_fraction_0125X0125.txt

Export determination: 6.

Rationale: DATA: for running SESAW tutorials

Change #792 with diff file ISSM-25497-25498.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/ElementH
M /issm/trunk-jpl/src/c/classes/ExternalResults/GenericExternalResult.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Hook.cpp M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/Inputs.cpp M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/SegInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.cpp M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Moulin.cpp M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.cpp M /issm/trunk-jpl/src/c/classes/Loads/Numericalfl.cpp M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matestar.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/classes/Params/DataSetParam.cpp M /issm/trunk-jpl/src/c/classes/Params/DoubleParam.cpp M /issm/trunk-jpl/src/c/classes/Params/FileParam.cpp M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/classes/Params/StringArrayParam.cpp M /issm/trunk-jpl/src/c/classes/Params/StringParam.cpp M /issm/trunk-jpl/src/c/classes/Params/TransientArrayParam.cpp M /issm/trunk-jpl/src/c/classes/Params/TransientParam.cpp M /issm/trunk-jpl/src/c/classes/Vertices.cpp M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/datastructures/DataSet.cpp M /issm/trunk-jpl/src/c/shared/io/Marshalling/Marshall

Export determination: 6.

Rationale: CHG: renaming MARSHALL Enums

Change #793 with diff file ISSM-25498-25499.diff:

Function name:

D /issm/trunk-jpl/examples/Data/GRCTellus.JPL.200204_201701.LND.RL05_1.DSTvSCS1411.nc

D /issm/trunk-jpl/examples/Data/Mask.GrIS.Tundra.Glaciers.mat D /issm/trunk-jpl/examples/Data/rgi_glacier_fraction_0125X0125.txt

Export determination: 6.

Rationale: DEL: workshop data migrated to JPL SVN

Change #794 with diff file ISSM-25499-25500.diff:

Function name:

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

M /issm/trunk-jpl/src/m/classes/frictioncoulomb.py M /issm/trunk-jpl/src/m/classes/frictionshakti.m

M /issm/trunk-jpl/src/m/classes/frictionshakti.py M /issm/trunk-jpl/src/m/classes/frictionwaterlayer.py

M /issm/trunk-jpl/src/m/classes/mesh3dsurface.py M /issm/trunk-jpl/src/m/classes/model.m

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

M /issm/trunk-jpl/src/m/classes/sealevelmodel.py M /issm/trunk-jpl/src/m/classes/surfaceload.py

M /issm/trunk-jpl/src/m/consistency/checkfield.py M /issm/trunk-jpl/src/m/geometry/GetAreas3DTria.m

A /issm/trunk-jpl/src/m/geometry/GetAreas3DTria.py M /issm/trunk-jpl/src/m/interp/averaging.m

M /issm/trunk-jpl/src/m/interp/averaging.py M /issm/trunk-jpl/src/m/mesh/TwoDToThreeD.m

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

M /issm/trunk-jpl/src/m/mesh/meshintersect3d.py M /issm/trunk-jpl/src/m/mesh/modelmerge3d.py

A /issm/trunk-jpl/src/m/miscellaneous/getsubattr.py A /issm/trunk-jpl/src/m/miscellaneous/setsubattr.py

M /issm/trunk-jpl/src/m/parameterization/contourenvelope.m M /issm/trunk-jpl/src/m/parameterization/contourenvelope.py M /issm/trunk-jpl/src/m/solve/marshall.m

M /issm/trunk-jpl/src/m/solve/marshall.py M /issm/trunk-jpl/src/m/solve/solve.py

M /issm/trunk-jpl/test/NightlyRun/test2004.m

Export determination: 6.

Rationale: CHG: Committing changes in support of test2004.py (no longer failing, but still need to track down sources of large errors)

Change #795 with diff file ISSM-25500-25501.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Check if attribute exists

Change #796 with diff file ISSM-25501-25502.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Typo

Change #797 with diff file ISSM-25502-25503.diff:

Function name:

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

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

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

M /issm/trunk-jpl/src/m/contrib/larour/mdanalysis.m M /issm/trunk-jpl/src/m/miscellaneous/fielddisplay.m

M /issm/trunk-jpl/src/m/miscellaneous/structtoobj.m M /issm/trunk-jpl/src/m/plot/plot_transient_movie.m

M /issm/trunk-jpl/src/m/plot/processdata.m M /issm/trunk-jpl/src/m/regional/regionaltransient2d.m

M /issm/trunk-jpl/src/m/solve/convert2str.m M /issm/trunk-jpl/test/NightlyRun/test350.m

M /issm/trunk-jpl/test/NightlyRun/test350.py

Export determination: 6.

Rationale: BUG: Corrected frictionshakti failure (constructor works more like

MATLAB now; added structtoobj.py); prefer function 'fieldnames' to 'fields' in

MATLAB

Change #798 with diff file ISSM-25503-25504.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/frictionwaterlayer.py M /issm/trunk-jpl/test/NightlyRun/test439.py

Export determination: 6.

Rationale: BUG: Corrected frictionwaterlayer failure (constructor works more like MATLAB now)

Change #799 with diff file ISSM-25504-25505.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test438.py

Export determination: 6.

Rationale: BUG: Corrected frictionwaterlayer failure (constructor works more like MATLAB now)

Change #800 with diff file ISSM-25505-25506.diff:

Function name:

A /issm/trunk-jpl/src/m/miscellaneous/structtoobj.py

Export determination: 6.
Rationale: ADD: Missing file

Change #801 with diff file ISSM-25506-25507.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Cfdragcoeffabsgrad.cpp M /issm/trunk-jpl/src/c/classes/Cfdragcoeffabsgrad.h
M /issm/trunk-jpl/src/c/classes/Cfsurfacelogvel.cpp M /issm/trunk-jpl/src/c/classes/Cfsurfacelogvel.h
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M /issm/trunk-jpl/src/c/toolkits/issm/Bucket.h
Export determination: 6.
Rationale: NEW: new way of Marshalling femmodel

Change #802 with diff file ISSM-25507-25508.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Cfdragcoeffabsgrad.cpp M /issm/trunk-jpl/src/c/classes/Cfdragcoeffabsgrad.h
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M /issm/trunk-jpl/src/c/classes/Cfsurfacesquare.cpp M /issm/trunk-jpl/src/c/classes/Cfsurfacesquare.h
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M /issm/trunk-jpl/src/c/kml/KML_Container.h M /issm/trunk-jpl/src/c/kml/KML_Document.h
M /issm/trunk-jpl/src/c/kml/KML_Feature.h M /issm/trunk-jpl/src/c/kml/KML_File.h
M /issm/trunk-jpl/src/c/kml/KML_Folder.h M /issm/trunk-jpl/src/c/kml/KML_Geometry.h
M /issm/trunk-jpl/src/c/kml/KML_GroundOverlay.h M /issm/trunk-jpl/src/c/kml/KML_Icon.h
M /issm/trunk-jpl/src/c/kml/KML_LatLonBox.h M /issm/trunk-jpl/src/c/kml/KML_LineString.h
M /issm/trunk-jpl/src/c/kml/KML_LineStyle.h M /issm/trunk-jpl/src/c/kml/KML_LinearRing.h
M /issm/trunk-jpl/src/c/kml/KML_MultiGeometry.h M /issm/trunk-jpl/src/c/kml/KML_Object.h
M /issm/trunk-jpl/src/c/kml/KML_Overlay.h M /issm/trunk-jpl/src/c/kml/KML_Placemark.h
M /issm/trunk-jpl/src/c/kml/KML_Point.h M /issm/trunk-jpl/src/c/kml/KML_PolyStyle.h

M /issm/trunk-jpl/src/c/kml/KML_Polygon.h M /issm/trunk-jpl/src/c/kml/KML_Style.h
 M /issm/trunk-jpl/src/c/kml/KML_StyleSelector.h M /issm/trunk-jpl/src/c/kml/KML_SubStyle.h
 M /issm/trunk-jpl/src/c/kml/KML_Unknown.h M /issm/trunk-jpl/src/c/shared/io/Marshalling/Marshalling.
 M /issm/trunk-jpl/src/c/toolkits/issm/Bucket.h
 Export determination: 6.
 Rationale: CHG: cleanup

Change #803 with diff file ISSM-25508-25509.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/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
 M /issm/trunk-jpl/src/c/classes/Constraints/SpcDynamic.cpp M /issm/trunk-
 jpl/src/c/classes/Constraints/SpcDynamic.h M /issm/trunk-jpl/src/c/classes/Constraints/SpcStatic.cpp
 M /issm/trunk-jpl/src/c/classes/Constraints/SpcStatic.h M /issm/trunk-jpl/src/c/classes/Constraints/SpcTra
 M /issm/trunk-jpl/src/c/classes/Constraints/SpcTransient.h M /issm/trunk-
 jpl/src/c/classes/Contour.h M /issm/trunk-jpl/src/c/classes/DependentObject.h
 M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/ElementHook
 M /issm/trunk-jpl/src/c/classes/Elements/ElementHook.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.c
 M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h
 M /issm/trunk-jpl/src/c/classes/Elements/Seg.cpp M /issm/trunk-jpl/src/c/classes/Elements/Seg.h
 M /issm/trunk-jpl/src/c/classes/Elements/SegRef.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp
 M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/TetraRef.h
 M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
 M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.h M /issm/trunk-jpl/src/c/classes/ExternalResults/Generi
 M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h
 M /issm/trunk-jpl/src/c/classes/Hook.cpp M /issm/trunk-jpl/src/c/classes/Hook.h
 M /issm/trunk-jpl/src/c/classes/Inputs/ArrayInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/ArrayInput.h
 M /issm/trunk-jpl/src/c/classes/Inputs/BoolInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/BoolInput.h
 M /issm/trunk-jpl/src/c/classes/Inputs/ControlInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/ControlInp
 M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInp
 M /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/DoubleInpu
 M /issm/trunk-jpl/src/c/classes/Inputs/ElementInput.h M /issm/trunk-jpl/src/c/classes/Inputs/Inputs.cpp
 M /issm/trunk-jpl/src/c/classes/Inputs/Inputs.h M /issm/trunk-jpl/src/c/classes/Inputs/IntInput.cpp
 M /issm/trunk-jpl/src/c/classes/Inputs/IntInput.h M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.cpp
 M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.h M /issm/trunk-jpl/src/c/classes/Inputs/SegInput.cpp
 M /issm/trunk-jpl/src/c/classes/Inputs/SegInput.h M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.cp
 M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.h M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.c
 M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.h M /issm/trunk-jpl/src/c/classes/Loads/Channel.cpp
 M /issm/trunk-jpl/src/c/classes/Loads/Channel.h M /issm/trunk-jpl/src/c/classes/Loads/Loads.cpp
 M /issm/trunk-jpl/src/c/classes/Loads/Loads.h M /issm/trunk-jpl/src/c/classes/Loads/Moulin.cpp
 M /issm/trunk-jpl/src/c/classes/Loads/Moulin.h M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.cpp
 M /issm/trunk-jpl/src/c/classes/Loads/Neumannflux.h M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux

M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.h M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.h M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Penpair.h M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.h M /issm/trunk-jpl/src/c/classes/Masscon.h
M /issm/trunk-jpl/src/c/classes/Massconaxpby.h M /issm/trunk-jpl/src/c/classes/Massfluxatgate.h
M /issm/trunk-jpl/src/c/classes/Materials/Matestar.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matestar.h
M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matrice.h
M /issm/trunk-jpl/src/c/classes/Materials/Matlitho.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matlitho.h
M /issm/trunk-jpl/src/c/classes/Misfit.cpp M /issm/trunk-jpl/src/c/classes/Misfit.h
M /issm/trunk-jpl/src/c/classes/Nodalvalue.cpp M /issm/trunk-jpl/src/c/classes/Nodalvalue.h
M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h
M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/classes/Nodes.h
M /issm/trunk-jpl/src/c/classes/Numberedcostfunction.cpp M /issm/trunk-jpl/src/c/classes/Numberedcostfunction.h
M /issm/trunk-jpl/src/c/classes/Options/Option.h M /issm/trunk-jpl/src/c/classes/Params/BoolParam.cpp
M /issm/trunk-jpl/src/c/classes/Params/BoolParam.h M /issm/trunk-jpl/src/c/classes/Params/DataSetParam.cpp
M /issm/trunk-jpl/src/c/classes/Params/DataSetParam.h M /issm/trunk-jpl/src/c/classes/Params/DoubleMatParam.cpp
M /issm/trunk-jpl/src/c/classes/Params/DoubleMatArrayParam.h M /issm/trunk-jpl/src/c/classes/Params/DoubleMatParam.cpp
M /issm/trunk-jpl/src/c/classes/Params/DoubleMatParam.h M /issm/trunk-jpl/src/c/classes/Params/DoubleParam.cpp
M /issm/trunk-jpl/src/c/classes/Params/DoubleParam.h M /issm/trunk-jpl/src/c/classes/Params/DoubleVecParam.cpp
M /issm/trunk-jpl/src/c/classes/Params/DoubleVecParam.h M /issm/trunk-jpl/src/c/classes/Params/FileParam.cpp
M /issm/trunk-jpl/src/c/classes/Params/FileParam.h M /issm/trunk-jpl/src/c/classes/Params/GenericParam.cpp
M /issm/trunk-jpl/src/c/classes/Params/IntMatParam.cpp M /issm/trunk-jpl/src/c/classes/Params/IntMatParam.h
M /issm/trunk-jpl/src/c/classes/Params/IntParam.cpp M /issm/trunk-jpl/src/c/classes/Params/IntParam.h
M /issm/trunk-jpl/src/c/classes/Params/IntVecParam.cpp M /issm/trunk-jpl/src/c/classes/Params/IntVecParam.h
M /issm/trunk-jpl/src/c/classes/Params/MatrixParam.h M /issm/trunk-jpl/src/c/classes/Params/Param.h
M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/classes/Params/Parameter.h
M /issm/trunk-jpl/src/c/classes/Params/StringArrayParam.cpp M /issm/trunk-jpl/src/c/classes/Params/StringArrayParam.h
M /issm/trunk-jpl/src/c/classes/Params/StringParam.h M /issm/trunk-jpl/src/c/classes/Params/StringParam.cpp
M /issm/trunk-jpl/src/c/classes/Params/StringParam.h M /issm/trunk-jpl/src/c/classes/Params/TransientArrayParam.h
M /issm/trunk-jpl/src/c/classes/Params/TransientArrayParam.cpp M /issm/trunk-jpl/src/c/classes/Params/TransientParam.h
M /issm/trunk-jpl/src/c/classes/Params/TransientParam.cpp M /issm/trunk-jpl/src/c/classes/Params/TransientParam.h
M /issm/trunk-jpl/src/c/classes/Params/VectorParam.h M /issm/trunk-jpl/src/c/classes/Profiler.cpp
M /issm/trunk-jpl/src/c/classes/Profiler.h M /issm/trunk-jpl/src/c/classes/Radar.cpp
M /issm/trunk-jpl/src/c/classes/Radar.h M /issm/trunk-jpl/src/c/classes/Regionaloutput.cpp
M /issm/trunk-jpl/src/c/classes/Regionaloutput.h M /issm/trunk-jpl/src/c/classes/Segment.h
M /issm/trunk-jpl/src/c/classes/Vertex.cpp M /issm/trunk-jpl/src/c/classes/Vertex.h
M /issm/trunk-jpl/src/c/classes/Vertices.cpp M /issm/trunk-jpl/src/c/classes/Vertices.h
M /issm/trunk-jpl/src/c/classes/kriging/ExponentialVariogram.h M /issm/trunk-jpl/src/c/classes/kriging/GaussianVariogram.h
M /issm/trunk-jpl/src/c/classes/kriging/GaussianVariogram.h M /issm/trunk-jpl/src/c/classes/kriging/Observation.h
M /issm/trunk-jpl/src/c/classes/kriging/PowerVariogram.h M /issm/trunk-jpl/src/c/classes/kriging/Quadtrees.h
M /issm/trunk-jpl/src/c/classes/kriging/SphericalVariogram.h M /issm/trunk-jpl/src/c/classes/kriging/SphericalVariogram.h
M /issm/trunk-jpl/src/c/datastructures/DataSet.cpp M /issm/trunk-jpl/src/c/datastructures/DataSet.h
M /issm/trunk-jpl/src/c/datastructures/Object.h M /issm/trunk-jpl/src/c/kml/KML_Attribute.h
M /issm/trunk-jpl/src/c/kml/KML_ColorStyle.h M /issm/trunk-jpl/src/c/kml/KML_Comment.h
M /issm/trunk-jpl/src/c/kml/KML_Container.h M /issm/trunk-jpl/src/c/kml/KML_Document.h

M /issm/trunk-jpl/src/c/kml/KML_Feature.h M /issm/trunk-jpl/src/c/kml/KML_File.h
M /issm/trunk-jpl/src/c/kml/KML_Folder.h M /issm/trunk-jpl/src/c/kml/KML_Geometry.h
M /issm/trunk-jpl/src/c/kml/KML_GroundOverlay.h M /issm/trunk-jpl/src/c/kml/KML_Icon.h
M /issm/trunk-jpl/src/c/kml/KML_LatLonBox.h M /issm/trunk-jpl/src/c/kml/KML_LineString.h
M /issm/trunk-jpl/src/c/kml/KML_LineStyle.h M /issm/trunk-jpl/src/c/kml/KML_LinearRing.h
M /issm/trunk-jpl/src/c/kml/KML_MultiGeometry.h M /issm/trunk-jpl/src/c/kml/KML_Object.h
M /issm/trunk-jpl/src/c/kml/KML_Overlay.h M /issm/trunk-jpl/src/c/kml/KML_Placemark.h
M /issm/trunk-jpl/src/c/kml/KML_Point.h M /issm/trunk-jpl/src/c/kml/KML_PolyStyle.h
M /issm/trunk-jpl/src/c/kml/KML_Polygon.h M /issm/trunk-jpl/src/c/kml/KML_Style.h
M /issm/trunk-jpl/src/c/kml/KML_StyleSelector.h M /issm/trunk-jpl/src/c/kml/KML_SubStyle.h
M /issm/trunk-jpl/src/c/kml/KML_Unknown.h M /issm/trunk-jpl/src/c/toolkits/issm/Bucket.h
Export determination: 6.
Rationale: CHG: Marshall2 -> Marshall

Change #804 with diff file ISSM-25509-25510.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: preparing ground for AD

Change #805 with diff file ISSM-25510-25511.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing AD

Change #806 with diff file ISSM-25511-25512.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/shared/io/Marshalling/Marshalling.h

Export determination: 6.

Rationale: CHG: done with checkpointing... debugging time!

Change #807 with diff file ISSM-25512-25513.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/shared/io/Marshalling/Marshalling.h

Export determination: 6.
Rationale: CHG: removed duplicates

Change #808 with diff file ISSM-25513-25514.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing serial

Change #809 with diff file ISSM-25514-25515.diff:

Function name:

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

jpl/src/c/analyses/StressbalanceAnalysis.h 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/gauss/GaussPenta.cpp M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.cpp

M /issm/trunk-jpl/src/c/cores/stressbalance_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Cr

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

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

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

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

Export determination: 6.

Rationale: NEW: Galerkin Least Squares stabilization for P1P1 elements in FS
is added together with a Nitsches method for weakly imposing Dirichlet bound-
ary condition on the bottom surface of the ice. Current issue: the nonlinear
iteration may fail to converge if the number of vertical layers is too small(5).

Change #810 with diff file ISSM-25515-25516.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth M /issm/trunk-jpl/src/m/geometry/delaunay.py

A /issm/trunk-jpl/src/m/geometry/delaunayn.py M /issm/trunk-jpl/src/m/solve/WriteData.py

M /issm/trunk-jpl/test/Archives/Archive2004.arch M /issm/trunk-jpl/test/NightlyRun/runme.m

M /issm/trunk-jpl/test/NightlyRun/runme.py M /issm/trunk-jpl/test/NightlyRun/test2004.m

Export determination: 6.

Rationale: CHG: Using different implementation of delaunay

Change #811 with diff file ISSM-25516-25517.diff:

Function name:

M /issm/trunk-jpl/src/m/modules/BamgTriangulate.py M /issm/trunk-jpl/test/Archives/Archive2004.arch

M /issm/trunk-jpl/test/NightlyRun/test2004.m

Export determination: 6.

Rationale: CHG: Using BamgTriangulate instead of delaunayn.

Change #812 with diff file ISSM-25517-25518.diff:

Function name:

A /issm/trunk-jpl/test/NightlyRun/test2004.py

Export determination: 6.

Rationale: ADD: Forgot to add actual test!

Change #813 with diff file ISSM-25518-25519.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Enabling test under macOS

Change #814 with diff file ISSM-25519-25520.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: MATLAB -> Python; formatting

Change #815 with diff file ISSM-25520-25521.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Bad grep and replace

Change #816 with diff file ISSM-25521-25522.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Bad grep and replace

Change #817 with diff file ISSM-25522-25523.diff:

Function name:

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

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

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

Export determination: 6.

Rationale: CHG: added marshall of char*, no need to have size outside of marshall

Change #818 with diff file ISSM-25523-25524.diff:

Function name:

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

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

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

Export determination: 6.

Rationale: CHG: working on better marshalling for AD

Change #819 with diff file ISSM-25524-25525.diff:

Function name:

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

M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/classes/Params/StringArra

M /issm/trunk-jpl/src/c/classes/Params/StringParam.cpp

Export determination: 6.

Rationale: CHG: working on better marshalling for AD

Change #820 with diff file ISSM-25525-25526.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing marshall of strings

Change #821 with diff file ISSM-25528-25529.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: better handling of Marshall

Change #822 with diff file ISSM-25529-25530.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Inputs/Inputs.cpp M /issm/trunk-jpl/src/c/classes/Params/DoubleVecParam

Export determination: 6.

Rationale: CHG: better marshall

Change #823 with diff file ISSM-25530-25531.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/shared/io/Marshalling/Marshalling.cpp

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

Export determination: 6.

Rationale: CHG: putting non template function into CPP file to speed up compilation

Change #824 with diff file ISSM-25531-25532.diff:

Function name:

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

jpl/src/c/classes/Params/GenericParam.h M /issm/trunk-jpl/src/c/datastructures/DataSet.cpp

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

Export determination: 6.

Rationale: CHG: better handling of some objects

Change #825 with diff file ISSM-25532-25533.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:fixing netcdf load for ancient compatibility

Change #826 with diff file ISSM-25533-25534.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: better formatting

Change #827 with diff file ISSM-25536-25537.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: working on AD transient checkpointing

Change #828 with diff file ISSM-25539-25540.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ExtrapolationAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/GLheightadvectionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyPismAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShaktiAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Cfdragcoeffabsgrad.cpp M /issm/trunk-jpl/src/c/classes/Cfsurfacelogvel.cpp M /issm/trunk-jpl/src/c/classes/Cfsurfacesquare.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/IOModel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Loads.cpp M /issm/trunk-jpl/src/c/classes/Misfit.cpp M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/classes/Profiler.h M /issm/trunk-jpl/src/c/classes/Radar.cpp M /issm/trunk-jpl/src/c/classes/Regionaloutput.cpp M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp M /issm/trunk-jpl/src/c/main/esmfbinders.cpp M /issm/trunk-jpl/src/c/modules/AllocateSystemMatricesx/AllocateSystemMatricesx.cpp M /issm/trunk-jpl/src/c/modules/AverageOntoPartitionx/AverageOntoPartitionx.cpp M /issm/trunk-jpl/src/c/modules/ConfigureObjectsx/ConfigureObjectsx.cpp M /issm/trunk-jpl/src/c/modules/ControlInputSetGradientx/ControlInputSetGradientx.cpp M /issm/trunk-jpl/src/c/modules/CreateJacobianMatrixx/CreateJacobianMatrixx.cpp M /issm/trunk-jpl/src/c/modules/DragCoefficientAbsGradientx/DragCoefficientAbsGradientx.cpp M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRatePicox/FloatingiceMeltingRatePicox.cpp M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRatex/FloatingiceMeltingRatex.cpp M /issm/trunk-jpl/src/c/modules/GeothermalFluxx/GeothermalFluxx.cpp M

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/issm/trunk-jpl/src/c/modules/GetSolutionFromInputsx/GetSolutionFromInputsx.cpp
M /issm/trunk-jpl/src/c/modules/GetSolutionFromInputsx/GetSolutionFromInputsx.h
M /issm/trunk-jpl/src/c/modules/GetVectorFromControlInputsx/GetVectorFromControlInputsx.cpp
M /issm/trunk-jpl/src/c/modules/GetVectorFromInputsx/GetVectorFromInputsx.cpp
M /issm/trunk-jpl/src/c/modules/GradJx/GradJx.cpp M /issm/trunk-jpl/src/c/modules/GroundinglineMigrat
M /issm/trunk-jpl/src/c/modules/InputDepthAverageAtBasex/InputDepthAverageAtBasex.cpp
M /issm/trunk-jpl/src/c/modules/InputExtrudex/InputExtrudex.cpp M /issm/trunk-
jpl/src/c/modules/InputUpdateFromConstantx/InputUpdateFromConstantx.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromDakotax/InputUpdateFromDakotax.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromMatrixDakotax/InputUpdateFromMatrixDakotax.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromSolutionx/InputUpdateFromSolutionx.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromSolutionx/InputUpdateFromSolutionx.h
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorDakotax/InputUpdateFromVectorDakotax.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorx/InputUpdateFromVectorx.cpp
M /issm/trunk-jpl/src/c/modules/KillIcebergsx/KillIcebergsx.cpp M /issm/trunk-
jpl/src/c/modules/ModelProcessorex/Control/UpdateElementsAndMaterialsControl.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorex/CreateElementsVerticesAndMaterials.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorex/CreateOutputDefinitions.cpp
M /issm/trunk-jpl/src/c/modules/NodalValuex/NodalValuex.cpp M /issm/trunk-
jpl/src/c/modules/ResetFSBasalBoundaryConditionx/ResetFSBasalBoundaryConditionx.cpp
M /issm/trunk-jpl/src/c/modules/RheologyBAbsGradientx/RheologyBAbsGradientx.cpp
M /issm/trunk-jpl/src/c/modules/RheologyBbarAbsGradientx/RheologyBbarAbsGradientx.cpp
M /issm/trunk-jpl/src/c/modules/SetActiveNodesLSMx/SetActiveNodesLSMx.cpp
M /issm/trunk-jpl/src/c/modules/SetControlInputsFromVectorx/SetControlInputsFromVectorx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceAbsVelMisfitx/SurfaceAbsVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceAreax/SurfaceAreax.cpp M /issm/trunk-
jpl/src/c/modules/SurfaceAverageVelMisfitx/SurfaceAverageVelMisfitx.cpp M
/issm/trunk-jpl/src/c/modules/SurfaceLogVelMisfitx/SurfaceLogVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceLogVxVyMisfitx/SurfaceLogVxVyMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/Gembox.cpp M /issm/trunk-
jpl/src/c/modules/SurfaceMassBalancex/SurfaceMassBalancex.cpp M /issm/trunk-
jpl/src/c/modules/SurfaceRelVelMisfitx/SurfaceRelVelMisfitx.cpp M /issm/trunk-
jpl/src/c/modules/SystemMatrixesx/SystemMatrixesx.cpp M /issm/trunk-jpl/src/c/modules/ThicknessAbsM
M /issm/trunk-jpl/src/c/modules/ThicknessAcrossGradientx/ThicknessAcrossGradientx.cpp
M /issm/trunk-jpl/src/c/modules/ThicknessAlongGradientx/ThicknessAlongGradientx.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_hydro_nonlinear.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_schurcg.cpp
Export determination: 6.
Rationale: CHG:Modifying loop on elements towards for on iterator

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Change #829 with diff file ISSM-25540-25541.diff:

Function name:

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

Export determination: 6.
Rationale: BUG: fixing no ice boundary

Change #830 with diff file ISSM-25541-25542.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: CHG: skip elements that don't have ice in CFL condition

Change #831 with diff file ISSM-25542-25543.diff:
Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: added -std=c++11 flag for Pleiades compilation option

Change #832 with diff file ISSM-25543-25544.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/io/Marshalling/Marshalling.cpp M /issm/trunk-jpl/src/c/shared/io/Marshalling/Marshalling.h
Export determination: 6.
Rationale: CHG: pass IssmDouble by reference

Change #833 with diff file ISSM-25544-25545.diff:
Function name:
M /issm/trunk-jpl/etc/environment.sh A /issm/trunk-jpl/jenkins/aws-amazon_linux-solid_earth (from /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth:25543)
Export determination: 6.
Rationale: CHG: Added configuration for compiling on Amazon Linux (RHEL) and modified LD_LIBRARY_PATH setting to that end.

Change #834 with diff file ISSM-25545-25546.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: Favoring macOS over Linux when Gmsh is used to produce 3D meshes (temporary fix).

Change #835 with diff file ISSM-25546-25547.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/Archive2010.arch M /issm/trunk-jpl/test/Archives/Archive2101.arch

Export determination: 6.

Rationale: CHG: Favoring macOS over Linux when Gmsh is used to produce 3D meshes (temporary fix).

Change #836 with diff file ISSM-25547-25548.diff:

Function name:

M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-solid_earth.sh M

/issm/trunk-jpl/package/mac/package-issm-mac-binaries-solid_earth.sh

Export determination: 6.

Rationale: CHG: Updated test suites in packaging scripts to match changes to non-binary SE build.

Change #837 with diff file ISSM-25548-25549.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Typo

Change #838 with diff file ISSM-25549-25550.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: minor esthetics

Change #839 with diff file ISSM-25550-25551.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing AD checkpointing

Change #840 with diff file ISSM-25551-25552.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: not needed

Change #841 with diff file ISSM-25552-25553.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth M /issm/trunk-jpl/package-issm-linux-binaries-solid_earth.sh M /issm/trunk-jpl/package-issm-mac-binaries-solid_earth.sh

Export determination: 6.

Rationale: CHG: Test suites

Change #842 with diff file ISSM-25553-25554.diff:

Function name:

M /issm/trunk-jpl/package-issm-mac-binaries-solid_earth.sh

Export determination: 6.

Rationale: CHG: Test suites

Change #843 with diff file ISSM-25554-25555.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Constraints/Constraints.cpp M /issm/trunk-jpl/src/c/classes/Contours.cpp M /issm/trunk-jpl/src/c/classes/Elements/Elements.cpp M /issm/trunk-jpl/src/c/classes/ExternalResults/Results.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Vertices.cpp M /issm/trunk-jpl/src/c/classes/kriging/Observations.cpp M /issm/trunk-jpl/src/c/cores/controladm1qn3_core.cpp M /issm/trunk-jpl/src/c/cores/controlvalidation_core.cpp M /issm/trunk-jpl/src/c/cores/love_core.cpp

M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/main/kriging.cpp
M /issm/trunk-jpl/src/c/modules/AllocateSystemMatricesx/AllocateSystemMatricesx.cpp
M /issm/trunk-jpl/src/c/modules/ConfigureObjectsx/ConfigureObjectsx.cpp M
/issm/trunk-jpl/src/c/modules/ConstraintsStatex/ConstraintsStatex.cpp M /issm/trunk-
jpl/src/c/modules/ConstraintsStatex/RiftConstraintsState.cpp M /issm/trunk-
jpl/src/c/modules/ContourToMeshx/ContourToMeshxt.cpp M /issm/trunk-jpl/src/c/modules/ContourToNo
M /issm/trunk-jpl/src/c/modules/CreateJacobianMatrixx/CreateJacobianMatrixx.cpp
M /issm/trunk-jpl/src/c/modules/CreateNodalConstraintsx/CreateNodalConstraintsx.cpp
M /issm/trunk-jpl/src/c/modules/ExpToLevelSetx/ExpToLevelSetxt.cpp M /issm/trunk-
jpl/src/c/modules/KillIcebergsx/KillIcebergsx.cpp M /issm/trunk-jpl/src/c/modules/Mergesolutionfromftogx
M /issm/trunk-jpl/src/c/modules/OutputDefinitionsResponsex/OutputDefinitionsResponsex.cpp
M /issm/trunk-jpl/src/c/modules/Reducevectortogtofx/Reducevectortogtofx.cpp M
/issm/trunk-jpl/src/c/modules/ResetConstraintsx/ResetConstraintsx.cpp M /issm/trunk-
jpl/src/c/modules/SpcNodesx/SpcNodesx.cpp M /issm/trunk-jpl/src/c/modules/Trianglex/Trianglex.cpp
M /issm/trunk-jpl/src/c/modules/UpdateDynamicConstraintsx/UpdateDynamicConstraintsx.cpp
M /issm/trunk-jpl/src/c/modules/VertexCoordinatesx/VertexCoordinatesx.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_fct.cpp
Export determination: 6.
Rationale: CHG: Some more iterator loop changes

Change #844 with diff file ISSM-25555-25556.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/controladm1qn3_core.cpp M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim
M /issm/trunk-jpl/src/c/shared/Enum/Synchronize.sh

Export determination: 6.

Rationale: BUG:fixing typo

Change #845 with diff file ISSM-25556-25557.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/Synchronize.sh

Export determination: 6.

Rationale: CHG: reverting

Change #846 with diff file ISSM-25557-25558.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: reverting

Change #847 with diff file ISSM-25558-25559.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing Basile's commit

Change #848 with diff file ISSM-25559-25560.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing Basile's commit

Change #849 with diff file ISSM-25560-25561.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: almost done with checkpointing AD

Change #850 with diff file ISSM-25561-25562.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: better handling of results if they are not properly sorted in the first place

Change #851 with diff file ISSM-25562-25563.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: adding one more conversion

Change #852 with diff file ISSM-25563-25564.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: enable output of controlinput

Change #853 with diff file ISSM-25564-25565.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing (finally) checkpointing with several steps between checkpoints

Change #854 with diff file ISSM-25565-25566.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3480.m

Export determination: 6.

Rationale: BUG: fixing test with new output

Change #855 with diff file ISSM-25567-25568.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-solid_earth-static.sh

M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-static.sh

Export determination: 6.

Rationale: CHG: Added Fortran compiler flag to clear error (apparently MPICH does not provide proper interface for functions with void Archive Forms oe-creview.sh TEMP Template arguments).

Change #856 with diff file ISSM-25568-25569.diff:

Function name:

M /issm/trunk-jpl/package/linux/package-issm-linux-binaries-solid_earth.sh M

/issm/trunk-jpl/package/linux/package-issm-linux-binaries-with_dakota.sh M

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

jpl/package/mac/package-issm-mac-binaries-solid_earth.sh M /issm/trunk-jpl/package/mac/package-

issm-mac-binaries-with_dakota.sh M /issm/trunk-jpl/package/mac/package-

issm-mac-binaries.sh
Export determination: 6.
Rationale: CHG: /test/SandBox is a directory: need -r option.

Change #857 with diff file ISSM-25569-25570.diff:

Function name:
M /issm/trunk-jpl/package/mac/package-issm-mac-binaries-with_dakota.sh M
/issm/trunk-jpl/package/mac/package-issm-mac-binaries.sh M /issm/trunk-
jpl/scripts/test-issm-linux-binaries-solid_earth.sh M /issm/trunk-jpl/scripts/test-
issm-linux-binaries-with_dakota.sh M /issm/trunk-jpl/scripts/test-issm-linux-binaries.sh
M /issm/trunk-jpl/scripts/test-issm-mac-binaries-with_dakota.sh M /issm/trunk-
jpl/scripts/test-issm-mac-binaries.sh
Export determination: 6.
Rationale: CHG: Updated test suites.

Change #858 with diff file ISSM-25570-25571.diff:

Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: force c++11 by default

Change #859 with diff file ISSM-25571-25572.diff:

Function name:
M /issm/trunk-jpl/src/c/modules/RheologyBbarAbsGradientx/RheologyBbarAbsGradientx.cpp
Export determination: 6.
Rationale: BUG: calling InputDepthAverageAtBase to add Bbar in inputs
(when m1qn3 is used)

Change #860 with diff file ISSM-25572-25573.diff:

Function name:
A /issm/trunk-jpl/test/Archives/Archive517.arch A /issm/trunk-jpl/test/NightlyRun/test517.m
A /issm/trunk-jpl/test/NightlyRun/test517.py
Export determination: 6.
Rationale: ADD: adds new test for m1qn3 for inversion of rheology B

Change #861 with diff file ISSM-25573-25574.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test517.py

Export determination: 6.

Rationale: BUG: loading m1qn3

Change #862 with diff file ISSM-25574-25575.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: checkpointing now working in parallelss!

Change #863 with diff file ISSM-25575-25576.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: counting of active variables should be done AFTER transient step

Change #864 with diff file ISSM-25576-25577.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: do not put a threshold on distance function anymore, this is a big change that may affect some transient model runs

Change #865 with diff file ISSM-25577-25578.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/Archive808.arch M /issm/trunk-jpl/test/Archives/Archive809.arch

Export determination: 6.

Rationale: CHG: do not rescale levelset

Change #866 with diff file ISSM-25578-25579.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: fixing problem with dependents that are COPIED from fem-model, creating confusion

Change #867 with diff file ISSM-25579-25580.diff:

Function name:

A /issm/trunk-jpl/scripts/ols.m

Export determination: 6.

Rationale: CHG: double column ol for large projects.

Change #868 with diff file ISSM-25580-25581.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: no need to look at type anymore for dependents

Change #869 with diff file ISSM-25581-25582.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: no need to look at type anymore for dependents

Change #870 with diff file ISSM-25582-25583.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: no need to look at type anymore for dependents

Change #871 with diff file ISSM-25583-25584.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/DependentObject.cpp
Export determination: 6.
Rationale: CHG: no need to look at type anymore for dependents

Change #872 with diff file ISSM-25584-25585.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/autodiff.m M /issm/trunk-jpl/src/m/classes/autodiff.py
Export determination: 6.
Rationale: CHG: reverting changes to independents

Change #873 with diff file ISSM-25585-25586.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/autodiff.m M /issm/trunk-jpl/src/m/classes/autodiff.py
Export determination: 6.
Rationale: CHG: reverting changes to independents

Change #874 with diff file ISSM-25586-25587.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/processdata.m
Export determination: 6.
Rationale: CHG: support patch

Change #875 with diff file ISSM-25590-25591.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/Gembx.cpp M /issm/trunk-jpl/test/Archives/Archive253.arch
Export determination: 6.
Rationale: BUG: some code repeated for a1x 2 albedo determinaton

Change #876 with diff file ISSM-25591-25592.diff:
Function name:

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

Export determination: 6.

Rationale: BUG: fix to nc loader

Change #877 with diff file ISSM-25592-25593.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: now use dependent objects, computed at the end of the run ONLY, to get gradient

Change #878 with diff file ISSM-25593-25594.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: no need to reset time in Femmodel anymore when doing transient calibration

Change #879 with diff file ISSM-25594-25595.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added new cascade nodes for pfe

Change #880 with diff file ISSM-25597-25598.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying to simplify GetGrounded ratio

Change #881 with diff file ISSM-25598-25599.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 Penta GL subelement grounded ratio calculation

Change #882 with diff file ISSM-25608-25609.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/initialization.m
Export determination: 6.
Rationale: CHG: hack for Josh for now

Change #883 with diff file ISSM-25609-25610.diff:

Function name:
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp M /issm/trunk-jpl/src/m/classes/flowequation.js M /issm/trunk-jpl/src/m/classes/flowequation.m
M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/parameterization/setflowequation.m
M /issm/trunk-jpl/src/m/parameterization/setflowequation.m M /issm/trunk-jpl/src/m/parameterization/setflowequation.py M /issm/trunk-jpl/src/m/plot/plot_elementstype.m
Export determination: 6.
Rationale: CHG: preparing ground to new MLHO model

Change #884 with diff file ISSM-25610-25611.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.h M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Node.cpp
Export determination: 6.
Rationale: CHG: working on MLHO

Change #885 with diff file ISSM-25611-25612.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp
Export determination: 6.
Rationale: CHG: working on MLHO

Change #886 with diff file ISSM-25612-25613.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-solid_earth-static.sh

M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-solid_earth.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac.sh

Export determination: 6.

Rationale: BUG: Fixes for latest version of gfortran

Change #887 with diff file ISSM-25616-25617.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-solid_earth-static.sh

M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-solid_earth.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac.sh

Export determination: 6.

Rationale: CHG: Clean up

Change #888 with diff file ISSM-25617-25618.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac M /issm/trunk-jpl/jenkins/pine_island-mac-binaries M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-solid_earth M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-with_dakota M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/pine_island-mac-solid_earth

Export determination: 6.

Rationale: CHG: Upgrade to GCC 10.

Change #889 with diff file ISSM-25619-25620.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: bamg.m discontinuous track/domain intersection support.

Change #890 with diff file ISSM-25620-25621.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/sealevelmodel.m
Export determination: 6.
Rationale: CHG: merging of 2d meshes, no earth involved.

Change #891 with diff file ISSM-25621-25622.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/colormaps/demmap.m M /issm/trunk-jpl/src/m/plot/processdata.m
M /issm/trunk-jpl/src/m/plot/processmesh.m
Export determination: 6.
Rationale: CHG: added depthaverage option

Change #892 with diff file ISSM-25622-25623.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/processdata.m
Export determination: 6.
Rationale: BUG: fixed parenthesis

Change #893 with diff file ISSM-25623-25624.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/applyoptions.m
Export determination: 6.
Rationale: CHG: view 2 when depthaverage option is on

Change #894 with diff file ISSM-25624-25625.diff:
Function name:
A /issm/trunk-jpl/externalpackages/petsc/install-3.14-greenplanet.sh
Export determination: 6.
Rationale: NEW: added install-3.14-greenplanet.sh

Change #895 with diff file ISSM-25626-25627.diff:
Function name:

M /issm/trunk-jpl/src/m/classes/flowequation.js M /issm/trunk-jpl/src/m/classes/flowequation.m
M /issm/trunk-jpl/src/m/classes/flowequation.py
Export determination: 6.
Rationale: CHG: 2dflowband FS

Change #896 with diff file ISSM-25627-25628.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/Makefile.am
M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element
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/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/cores/ProcessArguments.cpp
M /issm/trunk-jpl/src/c/cores/cores.h M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp
A /issm/trunk-jpl/src/c/issm_post M /issm/trunk-jpl/src/c/main/issm_dakota.cpp
A /issm/trunk-jpl/src/c/main/issm_post.cpp (from /issm/branches/trunk-larour-
SLPS2020/src/c/main/issm_post.cpp:25625) M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElem
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp M /issm/trunk-
jpl/src/c/modules/ModelProcessorx/Dakota/CreateParametersDakota.cpp M /issm/trunk-
jpl/src/c/modules/NodeConnectivityx/NodeConnectivityx.cpp M /issm/trunk-
jpl/src/c/modules/OutputResultsx/OutputResultsx.cpp A /issm/trunk-jpl/src/c/modules/QmuStatisticsx
(from /issm/branches/trunk-larour-SLPS2020/src/c/modules/QmuStatisticsx:25625)
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/README M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cp
M /issm/trunk-jpl/src/c/shared/Enum/Synchronize.sh A /issm/trunk-jpl/src/m/classes/clusters/local.m
(from /issm/branches/trunk-larour-SLPS2020/src/m/classes/clusters/local.m:25625)
M /issm/trunk-jpl/src/m/classes/qmu.m A /issm/trunk-jpl/src/m/classes/qmustatistics.m
(from /issm/branches/trunk-larour-SLPS2020/src/m/classes/qmustatistics.m:25625)
A /issm/trunk-jpl/src/m/contrib/larour/confidenceintervals.m (from /issm/branches/trunk-
larour-SLPS2020/src/m/contrib/larour/confidenceintervals.m:25625) M /issm/trunk-
jpl/src/m/contrib/larour/glacier_inventory.m A /issm/trunk-jpl/src/m/contrib/larour/interpBedmachine.m
(from /issm/branches/trunk-larour-SLPS2020/src/m/contrib/larour/interpBedmachine.m:25625)
A /issm/trunk-jpl/src/m/contrib/larour/interpBedmap2.m (from /issm/branches/trunk-
larour-SLPS2020/src/m/contrib/larour/interpBedmap2.m:25625) A /issm/trunk-
jpl/src/m/contrib/larour/mme_autotime_correlation_matrix.m (from /issm/branches/trunk-
larour-SLPS2020/src/m/contrib/larour/mme_autotime_correlation_matrix.m:25625)
D /issm/trunk-jpl/src/m/contrib/larour/mme_time_correlation_matrix.m M /issm/trunk-
jpl/src/m/contrib/larour/oceanmip.m M /issm/trunk-jpl/src/m/plot/plot_coastlines.m
M /issm/trunk-jpl/src/m/plot/processdata.m A /issm/trunk-jpl/src/m/plot/processdatalatlong.m
(from /issm/branches/trunk-larour-SLPS2020/src/m/plot/processdatalatlong.m:25625)
M /issm/trunk-jpl/src/m/plot/processmesh.m M /issm/trunk-jpl/src/m/plot/subplotmodel.m
M /issm/trunk-jpl/src/m/qmu/postqmu.m M /issm/trunk-jpl/src/m/solve/loadresultsfromcluster.m

M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.m M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.m
A /issm/trunk-jpl/test/Archives/Archive2005.arch (from /issm/branches/trunk-larour-SLPS2020/test/Archives/Archive2005.arch:25625) A /issm/trunk-jpl/test/Archives/Archive2006.arch
(from /issm/branches/trunk-larour-SLPS2020/test/Archives/Archive2006.arch:25625)
M /issm/trunk-jpl/test/NightlyRun/test2004.m A /issm/trunk-jpl/test/NightlyRun/test2005.m
(from /issm/branches/trunk-larour-SLPS2020/test/NightlyRun/test2005.m:25625)
A /issm/trunk-jpl/test/NightlyRun/test2006.m (from /issm/branches/trunk-larour-SLPS2020/test/NightlyRun/test2006.m:25625) M /issm/trunk-jpl/test/NightlyRun/test2010.m
Export determination: 6.
Rationale: CHG: Merging changes from Erics branch (still need to get Eric to look at rigid); blocking warning about deprecated register in Dakota

Change #897 with diff file ISSM-25628-25629.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am
Export determination: 6.
Rationale: BUG: Do not compile issm_post without Dakota

Change #898 with diff file ISSM-25629-25630.diff:
Function name:
M /issm/trunk-jpl/src/m/qmu/postqmu.py
Export determination: 6.
Rationale: BUG: MATLAB -i Python

Change #899 with diff file ISSM-25630-25631.diff:
Function name:
A /issm/trunk-jpl/src/m/mesh/meshintersect2d.m
Export determination: 6.
Rationale: ADD: meshintersect2d.m

Change #900 with diff file ISSM-25631-25632.diff:
Function name:
D /issm/trunk-jpl/src/m/contrib/larour/interpBedmap2.m M /issm/trunk-jpl/src/m/contrib/morlighem/mod
Export determination: 6.
Rationale: CHG: fixed conflict with interpBedmap2

Change #901 with diff file ISSM-25632-25633.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/m/classes/qmu.py

M /issm/trunk-jpl/src/m/classes/qmustatistics.m M /issm/trunk-jpl/src/m/classes/sealevelmodel.py

M /issm/trunk-jpl/src/m/qmu/postqmu.py M /issm/trunk-jpl/src/m/qmu/preqmu.py

Export determination: 6.

Rationale: BUG: Temp fix for Dakota test suite; needed to add issm.post to bin.PROGRAMS; clean up

Change #902 with diff file ISSM-25633-25634.diff:

Function name:

D /issm/trunk-jpl/src/c/issm.post

Export determination: 6.

Rationale: DEL: Should never have been committed.

Change #903 with diff file ISSM-25634-25635.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp

Export determination: 6.

Rationale: CHG: compatibility with PETSc 3.14

Change #904 with diff file ISSM-25635-25636.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.14-greenplanet.sh

Export determination: 6.

Rationale: CHG: compatibility with PETSc 3.14

Change #905 with diff file ISSM-25636-25637.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: cosmetics

Change #906 with diff file ISSM-25637-25638.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateModelProcessorx.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStdString.h
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/issmsettings.js
M /issm/trunk-jpl/src/m/classes/issmsettings.m M /issm/trunk-jpl/src/m/classes/issmsettings.py

Export determination: 6.

Rationale: CHG: renaming recording_frequency checkpoint_frequency

Change #907 with diff file ISSM-25638-25639.diff:

Function name:

A /issm/trunk-jpl/src/c/ext A /issm/trunk-jpl/src/c/ext/fmemopen A /issm/trunk-jpl/src/c/ext/fmemopen/README.md A /issm/trunk-jpl/src/c/ext/fmemopen/fmemopen.c
A /issm/trunk-jpl/src/c/ext/fmemopen/fmemopen.h A /issm/trunk-jpl/src/c/ext/fmemopen/open_memstream.h
A /issm/trunk-jpl/src/c/ext/fmemopen/open_memstream.h

Export determination: 6.

Rationale: CHG: Attempt to fix lack of fmemopen on macOS ; 10.13

Change #908 with diff file ISSM-25639-25640.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/Makefile.am
M /issm/trunk-jpl/src/c/modules/QmuStatisticsx/QmuStatisticsx.cpp M /issm/trunk-jpl/src/c/modules/QmuStatisticsx/QmuStatisticsx.h

Export determination: 6.

Rationale: CHG: Attempt to fix lack of fmemopen on macOS ; 10.13

Change #909 with diff file ISSM-25640-25641.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test125.js M /issm/trunk-jpl/test/NightlyRun/test125.m
M /issm/trunk-jpl/test/NightlyRun/test125.py M /issm/trunk-jpl/test/NightlyRun/test126.js
M /issm/trunk-jpl/test/NightlyRun/test126.m M /issm/trunk-jpl/test/NightlyRun/test126.py

Export determination: 6.

Rationale: BUG: recording -i checkpoint

Change #910 with diff file ISSM-25641-25642.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test125.m

Export determination: 6.

Rationale: BUG: typo

Change #911 with diff file ISSM-25642-25643.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp

Export determination: 6.

Rationale: BUG: Do not call PetscOptionsSetFromOptions(NULL) if Windows (for now)

Change #912 with diff file ISSM-25643-25644.diff:

Function name:

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

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

Export determination: 6.

Rationale: BUG: Again trying to supplement macOS implementations of libc that do not have fnmemopen

Change #913 with diff file ISSM-25644-25645.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Again trying to supplement macOS implementations of libc that do not have fnmemopen

Change #914 with diff file ISSM-25645-25646.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/modules/QmuStatisticsx/QmuStatisticsx.h

Export determination: 6.

Rationale: BUG: Again trying to supplement macOS implementations of libc that do not have fnmemopen (should be last commit)

Change #915 with diff file ISSM-25646-25647.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Again trying to supplement macOS implementations of libc that do not have fnmemopen

Change #916 with diff file ISSM-25647-25648.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Bad commit

Change #917 with diff file ISSM-25648-25649.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Need to define SYSTEM_HAS_FMEMOPEN unconditionally

Change #918 with diff file ISSM-25649-25650.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu.py M /issm/trunk-jpl/src/m/classes/qmustatistics.m

A /issm/trunk-jpl/src/m/classes/qmustatistics.py

Export determination: 6.

Rationale: CHG: Initial commit; clean up

Change #919 with diff file ISSM-25650-25651.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removed compiler flag specific to g++ Dakota

Change #920 with diff file ISSM-25651-25652.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test2010.py
Export determination: 6.
Rationale: BUG: SealevelRSLEustatic -j Bslr

Change #921 with diff file ISSM-25652-25653.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp
Export determination: 6.
Rationale: CHG: fixing windows

Change #922 with diff file ISSM-25653-25654.diff:
Function name:
A /issm/trunk-jpl/jenkins/pine_island-mac-matlab (from /issm/trunk-jpl/jenkins/pine_island-mac:25650) A /issm/trunk-jpl/jenkins/pine_island-mac-python (from /issm/trunk-jpl/jenkins/pine_island-mac:25650)
Export determination: 6.
Rationale: ADD: New configurations

Change #923 with diff file ISSM-25654-25655.diff:
Function name:
D /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-solid_earth.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac.sh
Export determination: 6.
Rationale: CHG: Solid Earth configuration for PETSc is now the standard

Change #924 with diff file ISSM-25655-25656.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: BUG: SLR rigid/elastic fix

Change #925 with diff file ISSM-25656-25657.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/pine_island-mac-python M /issm/trunk-jpl/test/NightlyRun/runme.m M /issm/trunk-jpl/test/NightlyRun/runme.py
Export determination: 6.

Rationale: CHG: Modified test suites and benchmarks

Change #926 with diff file ISSM-25657-25658.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Removed print

Change #927 with diff file ISSM-25658-25659.diff:

Function name:

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

D /issm/trunk-jpl/src/c/ext M /issm/trunk-jpl/src/c/modules/QmuStatisticsx/QmuStatisticsx.h

Export determination: 6.

Rationale: CHG: Removed special handling for finemopen

Change #928 with diff file ISSM-25659-25660.diff:

Function name:

D /issm/trunk-jpl/externalpackages/petsc/install-3.12-linux-solid_earth.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.12-linux.sh M /issm/trunk-jpl/jenkins/pine_island-mac-matlab M /issm/trunk-jpl/jenkins/pine_island-mac-python M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota A /issm/trunk-jpl/jenkins/ross-debian_linux-matlab M /issm/trunk-jpl/jenkins/ross-debian_linux-python M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth

Export determination: 6.

Rationale: CHG: Consolidating builds to MATLAB and Python APIs on Linux;
clean up

Change #929 with diff file ISSM-25660-25661.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac M /issm/trunk-jpl/jenkins/ross-debian_linux

Export determination: 6.

Rationale: CHG: Clean up

Change #930 with diff file ISSM-25661-25662.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added warning

Change #931 with diff file ISSM-25662-25663.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Need to add fnmemopen conditional again as build fails to compile on Pine Island otherwise

Change #932 with diff file ISSM-25663-25664.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/main/issm_dakota.cpp

Export determination: 6.

Rationale: BUG: Do not run Dakota statistics if fnmemopen is not available

Change #933 with diff file ISSM-25664-25665.diff:

Function name:

M /issm/trunk-jpl/src/c/main/issm_dakota.cpp

Export determination: 6.

Rationale: BUG: Bad parens

Change #934 with diff file ISSM-25665-25666.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Bad define

Change #935 with diff file ISSM-25666-25667.diff:

Function name:

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

M /issm/trunk-jpl/src/c/main/issm_dakota.cpp

Export determination: 6.

Rationale: BUG: What should be final fix for fnemopen issue

Change #936 with diff file ISSM-25667-25668.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added install script for Swedish cluster Tetralith

Change #937 with diff file ISSM-25668-25669.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #938 with diff file ISSM-25669-25670.diff:

Function name:

M /issm/trunk-jpl/src/c/main/issm_post.cpp

Export determination: 6.

Rationale: BUG: Need to avoid call to QmuStatistics functions if it is not compiled

Change #939 with diff file ISSM-25670-25671.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac M /issm/trunk-jpl/jenkins/ross-debian_linux

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

Export determination: 6.

Rationale: CHG: Reverting changes to test suites + Jenkins projects

Change #940 with diff file ISSM-25671-25672.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.14-tetralith.sh

Export determination: 6.

Rationale: CHG: minor

Change #941 with diff file ISSM-25672-25673.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added installation scripts for mac and linux

Change #942 with diff file ISSM-25673-25674.diff:

Function name:

D /issm/trunk-jpl/externalpackages/petsc/install-3.6-win10.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.7-aci.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.7-discover.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.7-greenplanet.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.7-hpc.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.7-linux-static.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.7-linux.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.7-linux64-static.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.7-linux64.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.7-mac-static.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.7-mac.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.7-pleiades.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.8-linux64.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.8-macosx64.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.9-aurora.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.9-linux64.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.9-macosx64.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.9-sherlock.sh

Export determination: 6.

Rationale: CHG: Clean up

Change #943 with diff file ISSM-25674-25675.diff:

Function name:

M /issm/trunk-jpl/jenkins/aws-amazon_linux-solid_earth M /issm/trunk-jpl/jenkins/macosx_pine_island_examples M /issm/trunk-jpl/jenkins/pine_island-mac M /issm/trunk-jpl/jenkins/pine_island-mac-binaries M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-solid_earth M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-with_dakota M /issm/trunk-

jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/pine_island-mac-matlab M /issm/trunk-jpl/jenkins/pine_island-mac-python M /issm/trunk-jpl/jenkins/pine_island-mac-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux M /issm/trunk-jpl/jenkins/ross-debian_linux-adolc-ampioff M /issm/trunk-jpl/jenkins/ross-debian_linux-adolc-ampion M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-with_dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-codipack M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-gia M /issm/trunk-jpl/jenkins/ross-debian_linux-iceocean M /issm/trunk-jpl/jenkins/ross-debian_linux-matlab 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-debian_linux-trunk

Export determination: 6.

Rationale: CHG: Updating to PETSc 3.14

Change #944 with diff file ISSM-25675-25676.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: diverse

Change #945 with diff file ISSM-25676-25677.diff:

Function name:

M /issm/trunk-jpl/jenkins/aws-amazon_linux-solid_earth M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth

Export determination: 6.

Rationale: CHG: Updating to PETSc 3.14

Change #946 with diff file ISSM-25677-25678.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: diverse.

Change #947 with diff file ISSM-25678-25679.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing SMB gradcomponent

Change #948 with diff file ISSM-25679-25680.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: MATLAB -i Python

Change #949 with diff file ISSM-25680-25681.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/ExtrapolationAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/cores/adjointbalancethickness2_core.cpp M /issm/trunk-jpl/src/c/cores/adjointbalancethickness_core.cpp M /issm/trunk-jpl/src/c/cores/balancethickness2_core.cpp M /issm/trunk-jpl/src/c/cores/balancethickness_core.cpp M /issm/trunk-jpl/src/c/cores/balancevelocity_core.cpp M /issm/trunk-jpl/src/c/cores/bedslope_core.cpp M /issm/trunk-jpl/src/c/cores/damage_core.cpp M /issm/trunk-jpl/src/c/cores/depthaverage_core.cpp M /issm/trunk-jpl/src/c/cores/esa_core.cpp M /issm/trunk-jpl/src/c/cores/extrudefrombase_core.cpp M /issm/trunk-jpl/src/c/cores/gia_core.cpp M /issm/trunk-jpl/src/c/cores/groundingline_core.cpp M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp M /issm/trunk-jpl/src/c/cores/masstransport_core.cpp M /issm/trunk-jpl/src/c/cores/movingfront_core.cpp M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp M /issm/trunk-jpl/src/c/cores/smb_core.cpp M /issm/trunk-jpl/src/c/cores/steadystate_core.cpp M /issm/trunk-jpl/src/c/cores/stressbalance_core.cpp M /issm/trunk-jpl/src/c/cores/surfaceslope_core.cpp M /issm/trunk-jpl/src/c/cores/thermal_core.cpp M /issm/trunk-jpl/src/c/cores/transient_core.cpp

Export determination: 6.

Rationale: CHG: better handling of prints

Change #950 with diff file ISSM-25681-25682.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: moulin can be time series

Change #951 with diff file ISSM-25682-25683.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: MATLAB -i Python

Change #952 with diff file ISSM-25683-25684.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: wrong sign for moulin storage

Change #953 with diff file ISSM-25684-25685.diff:

Function name:

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

M /issm/trunk-jpl/src/m/classes/clusters/generic_static.py A /issm/trunk-jpl/src/m/classes/clusters/local.py

M /issm/trunk-jpl/src/m/dev/devpath.py M /issm/trunk-jpl/src/m/mesh/meshintersect3d.py

Export determination: 6.

Rationale: CHG: MATLAB -i Python; clean up

Change #954 with diff file ISSM-25685-25686.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh M /issm/trunk-jpl/src/m/classes/issmsettings.py

M /issm/trunk-jpl/src/m/classes/qmu.py M /issm/trunk-jpl/src/m/classes/qmustatistics.py

M /issm/trunk-jpl/src/m/exp/contourlevelzero.m M /issm/trunk-jpl/src/m/geometry/polyarea.py

M /issm/trunk-jpl/src/m/mesh/meshintersect3d.m M /issm/trunk-jpl/src/m/plot/plot_coastlines.m

A /issm/trunk-jpl/src/m/plot/plot_coastlines.py M /issm/trunk-jpl/src/m/plot/processdata.py

M /issm/trunk-jpl/src/m/qmu/postqmu.py M /issm/trunk-jpl/src/m/solve/loadresultsfromcluster.py

M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.py

Export determination: 6.

Rationale: CHG: MATLAB -i Python; calling external package install scripts with value of NUMCPUS.INSTALL in jenkins.sh; clean up

Change #955 with diff file ISSM-25686-25687.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 dates in issmversion

Change #956 with diff file ISSM-25687-25688.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosx_pine-island_examples M /issm/trunk-jpl/jenkins/pine_island-
mac M /issm/trunk-jpl/jenkins/pine_island-mac-binaries M /issm/trunk-jpl/jenkins/pine_island-
mac-binaries-solid_earth M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-with_dakota
M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/pine_island-
mac-solid_earth

Export determination: 6.

Rationale: CHG: Test suites; clean up

Change #957 with diff file ISSM-25688-25689.diff:

Function name:

M /issm/trunk-jpl/src M /issm/trunk-jpl/src/c M /issm/trunk-jpl/src/c/classes/Dakota
M /issm/trunk-jpl/src/c/classes/Inputs M /issm/trunk-jpl/src/c/modules/FrontalForcingsx
M /issm/trunk-jpl/src/c/modules/KillIcebergsx M /issm/trunk-jpl/src/c/modules/OceanExchangeDatax
M /issm/trunk-jpl/src/c/modules/QmuStatisticsx M /issm/trunk-jpl/src/c/modules/QmuStatisticsx/QmuSta
M /issm/trunk-jpl/src/c/toolkits/codipack M /issm/trunk-jpl/src/m/classes/SMBcomponents.py
M /issm/trunk-jpl/src/m/classes/SMBforcing.m M /issm/trunk-jpl/src/m/classes/SMBforcing.py
M /issm/trunk-jpl/src/m/classes/SMBpddSicopolis.py M /issm/trunk-jpl/src/m/classes/basalforcings.py
M /issm/trunk-jpl/src/m/classes/dsl.py M /issm/trunk-jpl/src/m/classes/dslmme.py
M /issm/trunk-jpl/src/m/classes/flowequation.m M /issm/trunk-jpl/src/m/classes/flowequation.py
M /issm/trunk-jpl/src/m/classes/friction.m M /issm/trunk-jpl/src/m/classes/friction.py
M /issm/trunk-jpl/src/m/classes/frictioncoulomb.py M /issm/trunk-jpl/src/m/classes/frictionjosh.py
M /issm/trunk-jpl/src/m/classes/frictionpism.py M /issm/trunk-jpl/src/m/classes/frictionshakti.py
M /issm/trunk-jpl/src/m/classes/frictionwaterlayer.py M /issm/trunk-jpl/src/m/classes/geometry.py
M /issm/trunk-jpl/src/m/classes/giaivins.m M /issm/trunk-jpl/src/m/classes/giaivins.py
M /issm/trunk-jpl/src/m/classes/giamme.py M /issm/trunk-jpl/src/m/classes/initialization.py
M /issm/trunk-jpl/src/m/classes/inversion.m M /issm/trunk-jpl/src/m/classes/inversion.py
M /issm/trunk-jpl/src/m/classes/linearbasalforcings.py M /issm/trunk-jpl/src/m/classes/lovenumbers.py
M /issm/trunk-jpl/src/m/classes/m1qn3inversion.py M /issm/trunk-jpl/src/m/classes/masstransport.py
M /issm/trunk-jpl/src/m/classes/mismipbasalforcings.py M /issm/trunk-jpl/src/m/classes/nodalvalue.m
M /issm/trunk-jpl/src/m/classes/nodalvalue.py M /issm/trunk-jpl/src/m/classes/plumebasalforcings.py
M /issm/trunk-jpl/src/m/classes/qmu/normal_uncertain.m M /issm/trunk-jpl/src/m/classes/qmu/normal_unc
M /issm/trunk-jpl/src/m/classes/qmu/response_function.m M /issm/trunk-jpl/src/m/classes/qmu.py
M /issm/trunk-jpl/src/m/classes/qmustatistics.m M /issm/trunk-jpl/src/m/classes/qmustatistics.py
M /issm/trunk-jpl/src/m/classes/results.py M /issm/trunk-jpl/src/m/classes/rotational.py

M /issm/trunk-jpl/src/m/classes/sealevelmodel.m M /issm/trunk-jpl/src/m/classes/sealevelmodel.py
M /issm/trunk-jpl/src/m/classes/slr.m M /issm/trunk-jpl/src/m/classes/slr.py
M /issm/trunk-jpl/src/m/classes/solidearth.py M /issm/trunk-jpl/src/m/classes/solidearthsettings.py
M /issm/trunk-jpl/src/m/classes/spatiallinearbasalforcings.m A /issm/trunk-jpl/src/m/classes/spatiallinearbasalforcings.py M /issm/trunk-jpl/src/m/classes/stressbalance.py
M /issm/trunk-jpl/src/m/classes/surfaceload.py M /issm/trunk-jpl/src/m/classes/taoinversion.py
M /issm/trunk-jpl/src/m/classes/thermal.py M /issm/trunk-jpl/src/m/classes/transient.py
M /issm/trunk-jpl/src/m/miscellaneous/pretty_print.m M /issm/trunk-jpl/src/m/qmu/dakota_out_parse.m
M /issm/trunk-jpl/src/m/qmu/dakota_out_parse.py M /issm/trunk-jpl/src/m/qmu/postqmu.py
M /issm/trunk-jpl/src/m/qmu/preqmu.m M /issm/trunk-jpl/src/m/qmu/preqmu.py
M /issm/trunk-jpl/src/m/qmu/qmupart2npart.m M /issm/trunk-jpl/src/m/qmu/qmupart2npart.py
M /issm/trunk-jpl/src/m/qmu/setupdesign/QmuSetupVariables.py M /issm/trunk-jpl/src/m/solve/WriteData.py M /issm/trunk-jpl/src/m/solve/loadresultsfromcluster.py
M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.m M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.py
M /issm/trunk-jpl/src/m/solve/marshall.m M /issm/trunk-jpl/src/m/solve/marshall.py
M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.m M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py
M /issm/trunk-jpl/src/wrappers/CoordTransform M /issm/trunk-jpl/test M /issm/trunk-jpl/test/NightlyRun M /issm/trunk-jpl/test/NightlyRun/runme.m
M /issm/trunk-jpl/test/NightlyRun/runme.py M /issm/trunk-jpl/test/NightlyRun/test2002.py
M /issm/trunk-jpl/test/NightlyRun/test2005.m A /issm/trunk-jpl/test/NightlyRun/test2005.py
M /issm/trunk-jpl/test/NightlyRun/test2006.m A /issm/trunk-jpl/test/NightlyRun/test2006.py
Export determination: 6.
Rationale: CHG: MATLAB -i Python translations in support of tests 2005 and 2006 (still have errors to work out here); clean up; various minor improvements

Change #958 with diff file ISSM-25689-25690.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Accidental commit

Change #959 with diff file ISSM-25690-25691.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: Need Dakota for tests 2005 and 2006

Change #960 with diff file ISSM-25691-25692.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Inputs M /issm/trunk-jpl/src/c/modules/FrontalForcingsx

M /issm/trunk-jpl/src/c/modules/KillIcebergsx M /issm/trunk-jpl/src/c/modules/OceanExchangeDatax

M /issm/trunk-jpl/src/c/modules/QmuStatisticsx

Export determination: 6.

Rationale: CHG: svn:ignore fixes

Change #961 with diff file ISSM-25692-25693.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: Exclude 2005 and 2006 on Python, for now

Change #962 with diff file ISSM-25693-25694.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota

Export determination: 6.

Rationale: CHG: Exclude 2006 on Python, for now

Change #963 with diff file ISSM-25694-25695.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: MATLAB -i Python

Change #964 with diff file ISSM-25695-25696.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing Justin's crap

Change #965 with diff file ISSM-25696-25697.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removed scaling of moulin input

Change #966 with diff file ISSM-25697-25698.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: making steadystate work

Change #967 with diff file ISSM-25698-25699.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmustatistics.py M /issm/trunk-jpl/src/m/classes/results.py

M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.m M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.py

M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py M /issm/trunk-jpl/test/NightlyRun/test2006.m

M /issm/trunk-jpl/test/NightlyRun/test2006.py

Export determination: 6.

Rationale: CHG: Reworked results structure for Python

Change #968 with diff file ISSM-25699-25700.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/pine_island-

mac-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-

jpl/jenkins/ross-debian_linux-solid_earth

Export determination: 6.

Rationale: CHG: Enabling 2006 for Python

Change #969 with diff file ISSM-25700-25701.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/pine_island-

mac-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-

jpl/jenkins/ross-debian_linux-solid_earth M /issm/trunk-jpl/test/NightlyRun/test408.m

M /issm/trunk-jpl/test/NightlyRun/test408.py
Export determination: 6.
Rationale: BUG: SE and Dakota configurations are the same now because of
test 2006; eased tolerances; clean up

Change #970 with diff file ISSM-25701-25702.diff:
Function name:
M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota
Export determination: 6.
Rationale: CHG: Missed GSL in config

Change #971 with diff file ISSM-25702-25703.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh M /issm/trunk-jpl/jenkins/ross-debian_linux-
dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth
Export determination: 6.
Rationale: CHG: Test exclusion; comments

Change #972 with diff file ISSM-25703-25704.diff:
Function name:
M /issm/trunk-jpl/src/m/miscellaneous/transientrestart.m
Export determination: 6.
Rationale: CHG: added option to update mask from an old model version

Change #973 with diff file ISSM-25704-25705.diff:
Function name:
M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/pine_island-
mac-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-
jpl/jenkins/ross-debian_linux-solid_earth
Export determination: 6.
Rationale: CHG: Disabling 2006 again while debugging to keep Jenkins happy

Change #974 with diff file ISSM-25705-25706.diff:

Function name:
M /issm/trunk-jpl/examples/shakti/moulin.par
Export determination: 6.
Rationale: BUG: fixing SHAKTI

Change #975 with diff file ISSM-25706-25707.diff:

Function name:
M /issm/trunk-jpl/externalpackages/autotools/install-debian-linux.sh A /issm/trunk-jpl/externalpackages/boost/configs/1.73 A /issm/trunk-jpl/externalpackages/boost/configs/1.73/boost A /issm/trunk-jpl/externalpackages/boost/configs/1.73/boost/math A /issm/trunk-jpl/externalpackages/boost/configs/1.73/boost/math/tools A /issm/trunk-jpl/externalpackages/boost/configs/1.73/boost/math/tools A /issm/trunk-jpl/externalpackages/boost/install-1.7-linux-valgrind.sh A /issm/trunk-jpl/externalpackages/valgrind/install-linux.sh D /issm/trunk-jpl/externalpackages/valgrind/install-linux64.sh A /issm/trunk-jpl/externalpackages/valgrind/install-mac.sh D /issm/trunk-jpl/externalpackages/valgrind/install-macosx64.sh M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth A /issm/trunk-jpl/jenkins/ross-debian_linux-valgrind
Export determination: 6.
Rationale: CHG: Configuration for running Valgrind on builds with Boost

Change #976 with diff file ISSM-25707-25708.diff:

Function name:
A /issm/trunk-jpl/externalpackages/petsc/install-3.6-win10.sh
Export determination: 6.
Rationale: BUG: Reverting removal of install script

Change #977 with diff file ISSM-25708-25709.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test243.py
Export determination: 6.
Rationale: BUG: Addressing of TransientSolution results structure.

Change #978 with diff file ISSM-25709-25710.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test243.py M /issm/trunk-jpl/test/NightlyRun/test244.py
M /issm/trunk-jpl/test/NightlyRun/test252.py M /issm/trunk-jpl/test/NightlyRun/test253.py

Export determination: 6.

Rationale: BUG: Addressing of TransientSolution results structure; clean up

Change #979 with diff file ISSM-25710-25711.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.14-mac.sh M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/cores/controltao_core.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_schurcg.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscSolver.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/KSPFree.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/MatFree.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/MatMultPatch.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/NewMat M /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetscOptionsDetermineSolverType.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/VecFree.cpp M /issm/trunk-jpl/src/wrappers/IssmConfig/IssmConfig.h

Export determination: 6.

Rationale: CHG: Now using PETSc defined macros for fencing

Change #980 with diff file ISSM-25711-25712.diff:

Function name:

M /issm/trunk-jpl/externalpackages/boost/configs/1.73/boost/math/tools/user.hpp M /issm/trunk-jpl/src/c/modules/QmuStatisticsx/QmuStatisticsx.cpp

Export determination: 6.

Rationale: CHG: Uncommitted change for Boost + Valgrind config; memory leak

Change #981 with diff file ISSM-25712-25713.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac M /issm/trunk-jpl/jenkins/pine_island-mac-dakota D /issm/trunk-jpl/jenkins/pine_island-mac-matlab M /issm/trunk-jpl/jenkins/pine_island-mac-python M /issm/trunk-jpl/jenkins/pine_island-mac-solid_earth D /issm/trunk-jpl/jenkins/ross-debian_linux-matlab M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.py

Export determination: 6.

Rationale: CHG: Reverting to PETSc 3.12 on Pine Island until 3.14 is viable (external package download issues); fix of check on md.results; clean up

Change #982 with diff file ISSM-25713-25714.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.14-mac.sh

Export determination: 6.

Rationale: CHG: Removing make j option handler

Change #983 with diff file ISSM-25714-25715.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/parseresultsfrombuffer.js M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk
M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py

Export determination: 6.

Rationale: NEW: added conversion for calving melting rate and calving components

Change #984 with diff file ISSM-25715-25716.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: do not print if inner loop did not converge

Change #985 with diff file ISSM-25716-25717.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: grep is not always in /usr/bin!

Change #986 with diff file ISSM-25717-25718.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.m

Export determination: 6.

Rationale: CHG: changed error message to warning so that bin/toolkits/etc are still being deleted even if the run crashed

Change #987 with diff file ISSM-25718-25719.diff:
Function name:
M /issm/trunk-jpl/src/m/solve/loadresultfromdisk.py
Export determination: 6.
Rationale: CHG: cosmetics

Change #988 with diff file ISSM-25719-25720.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test437.py
Export determination: 6.
Rationale: CHG: Correcting size retrieval

Change #989 with diff file ISSM-25720-25721.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: BUG: fixed memory leak

Change #990 with diff file ISSM-25721-25722.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/cores/ProcessArguments.cpp
Export determination: 6.
Rationale: BUG: cleaning up memory leaks

Change #991 with diff file ISSM-25722-25723.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: use static allocation when possible for xyz_list

Change #992 with diff file ISSM-25723-25724.diff:
Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: CHG: use static allocation when possible for xyz_list

Change #993 with diff file ISSM-25725-25726.diff:

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

Change #994 with diff file ISSM-25726-25727.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/results.py M /issm/trunk-jpl/src/m/miscellaneous/fielddisplay.py
M /issm/trunk-jpl/src/m/miscellaneous/prctile_issm.py M /issm/trunk-jpl/src/m/qmu/dakota_in_write.m
M /issm/trunk-jpl/src/m/qmu/dakota_in_write.py M /issm/trunk-jpl/src/m/qmu/dakota_m_write.m
M /issm/trunk-jpl/src/m/qmu/dakota_out_parse.m M /issm/trunk-jpl/src/m/qmu/dakota_out_parse.py
M /issm/trunk-jpl/src/m/qmu/helpers.py M /issm/trunk-jpl/src/m/qmu/postqmu.m
M /issm/trunk-jpl/src/m/qmu/postqmu.py M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.py
M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py
Export determination: 6.
Rationale: CHG: Additional revision of results data structures under Python
API.

Change #995 with diff file ISSM-25727-25728.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: BUG: Have to be more careful with rigid and elastic flags

Change #996 with diff file ISSM-25728-25729.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: CHG: trying to get rid of as many xNew as possible

Change #997 with diff file ISSM-25729-25730.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/IdFromString.m
Export determination: 6.
Rationale: BUG: Fix for Non-scalar in Uniform output

Change #998 with diff file ISSM-25730-25731.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/IdFromString.m
Export determination: 6.
Rationale: BUG: Reverting (appears to be an issue with Jenkins)

Change #999 with diff file ISSM-25731-25732.diff:
Function name:
M /issm/trunk-jpl/jenkins/windows
Export determination: 6.
Rationale: BUG: Changing MATLAB version

Change #1000 with diff file ISSM-25732-25733.diff:
Function name:
M /issm/trunk-jpl/jenkins/windows
Export determination: 6.
Rationale: CHG: Comma-delimiting test suite

Change #1001 with diff file ISSM-25733-25734.diff:
Function name:
A /issm/trunk-jpl/src/m/contrib/dlcheng A /issm/trunk-jpl/src/m/contrib/dlcheng/MeshMergedOutlineToShp.m
A /issm/trunk-jpl/src/m/contrib/dlcheng/MeshOutlineToShp.m A /issm/trunk-jpl/src/m/contrib/dlcheng/VxVyToVv.m A /issm/trunk-jpl/src/m/contrib/dlcheng/interpBedmachineGreenland.m
M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpBedmachineGreenland.m
Export determination: 6.
Rationale: CHG: dlcheng contrib.

Change #1002 with diff file ISSM-25734-25735.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Revert modification to contrib/morlighem/modeldata/interpBedmachineGreenland.m

Change #1003 with diff file ISSM-25735-25736.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: merging with Dan's code

Change #1004 with diff file ISSM-25736-25737.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: merging with Dan's code

Change #1005 with diff file ISSM-25737-25738.diff:

Function name:

D /issm/trunk-jpl/src/m/contrib/dlcheng/interpBedmachineGreenland.m

Export determination: 6.

Rationale: DEL: contrib/dlcheng/interpBedmachineGreenland.m

Change #1006 with diff file ISSM-25738-25739.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: typo.

Change #1007 with diff file ISSM-25741-25742.diff:

Function name:

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

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/levelset.m
M /issm/trunk-jpl/src/m/classes/levelset.py
Export determination: 6.
Rationale: CHG: change calving_max to migration_max

Change #1008 with diff file ISSM-25744-25745.diff:

Function name:

D /issm/trunk-jpl/jenkins/pine_island-mac-binaries A /issm/trunk-jpl/jenkins/pine_island-
mac-binaries-matlab (from /issm/trunk-jpl/jenkins/pine_island-mac-binaries:25741)
D /issm/trunk-jpl/jenkins/pine_island-mac-binaries-solid_earth D /issm/trunk-
jpl/jenkins/pine_island-mac-binaries-with_dakota A /issm/trunk-jpl/package-
issm-mac-binaries-matlab.sh (from /issm/trunk-jpl/package-issm-
mac-binaries.sh:25741) D /issm/trunk-jpl/package-issm-mac-binaries-
solid_earth.sh D /issm/trunk-jpl/package-issm-mac-binaries-with_dakota.sh
D /issm/trunk-jpl/package-issm-mac-binaries.sh A /issm/trunk-
jpl/package-issm-mac-binaries-matlab.sh (from /issm/trunk-jpl/package-
issm-mac-binaries.sh:25741) A /issm/trunk-jpl/package-issm-mac-
binaries-matlab.sh (from /issm/trunk-jpl/package-issm-mac-binaries.sh:25741)
D /issm/trunk-jpl/scripts/test-issm-mac-binaries-with_dakota.sh D /issm/trunk-
jpl/scripts/test-issm-mac-binaries.sh
Export determination: 6.
Rationale: CHG: Build, packaging, and testing scripts for reconfigured macOS
binaries.

Change #1009 with diff file ISSM-25745-25746.diff:

Function name:

M /issm/trunk-jpl/externalpackages/curl/install-7.67-static.sh A /issm/trunk-
jpl/externalpackages/dakota/configs/6.2/mac/static A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/m
A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/mac/static/packages/DDACE
A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/mac/static/packages/DDACE/include
A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/mac/static/packages/DDACE/include/xtndispatch.h
A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/mac/static/packages/DDACE/src
A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/mac/static/packages/DDACE/src/Bose
A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/mac/static/packages/DDACE/src/Bose/boselink.c
A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/mac/static/packages/DDACE/src/Bose/construct.c
A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/mac/static/packages/DDACE/src/Bose/galois.c
A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/mac/static/packages/DDACE/src/Bose/gfields.c
A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/mac/static/packages/DDACE/src/Bose/oa.c
A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/mac/static/packages/nidr

A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/mac/static/packages/nidr/nidr-scanner.c
 A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/mac/static/packages/nidr/nidr.c
 M /issm/trunk-jpl/externalpackages/dakota/install-6.2-mac-static.sh
 A /issm/trunk-jpl/externalpackages/gdal/install-3-netcdf-static.sh
 M /issm/trunk-jpl/externalpackages/gdal/install-3-python-netcdf-static.sh
 A /issm/trunk-jpl/externalpackages/gmsh/configs
 A /issm/trunk-jpl/externalpackages/gmsh/configs/4.5.6
 A /issm/trunk-jpl/externalpackages/gmsh/configs/4.5.6/mac/static
 A /issm/trunk-jpl/externalpackages/gmsh/configs/4.5.6/mac/static/CMakeLists.txt
 A /issm/trunk-jpl/externalpackages/gmsh/configs/4.7.0
 A /issm/trunk-jpl/externalpackages/gmsh/configs/4.7.0/mac
 A /issm/trunk-jpl/externalpackages/gmsh/configs/4.7.0/mac/static
 A /issm/trunk-jpl/externalpackages/gmsh/configs/4.7.0/mac/static/CMakeLists.txt
 A /issm/trunk-jpl/externalpackages/gmsh/install-4-linux-python-static.sh
 A /issm/trunk-jpl/externalpackages/gmsh/install-4-linux-static.sh
 A /issm/trunk-jpl/externalpackages/gmsh/install-4-mac-python-static.sh
 A /issm/trunk-jpl/externalpackages/gmsh/install-4-mac-static.sh
 D /issm/trunk-jpl/externalpackages/gmsh/install-4-static.sh
 M /issm/trunk-jpl/externalpackages/gmsh/install-4.sh
 A /issm/trunk-jpl/externalpackages/gmt/configs/6
 A /issm/trunk-jpl/externalpackages/gmt/configs/6/cmake/ConfigUser.cmake
 A /issm/trunk-jpl/externalpackages/gmt/configs/6/static
 A /issm/trunk-jpl/externalpackages/gmt/configs/6/static/cmake/ConfigUser.static.cmake
 A /issm/trunk-jpl/externalpackages/gmt/configs/6/static/cmake/modules
 A /issm/trunk-jpl/externalpackages/gmt/configs/6/static/cmake/modules/FindGDAL.cmake
 A /issm/trunk-jpl/externalpackages/gmt/configs/6/static/cmake/modules/FindGSHHG.cmake
 A /issm/trunk-jpl/externalpackages/gmt/configs/6/static/cmake/modules/FindNETCDF.cmake
 D /issm/trunk-jpl/externalpackages/gmt/configs/6.0
 A /issm/trunk-jpl/externalpackages/gmt/install-6-linux-static.sh
 A /issm/trunk-jpl/externalpackages/gmt/install-6-linux.sh
 A /issm/trunk-jpl/externalpackages/gmt/install-6-mac-static.sh
 A /issm/trunk-jpl/externalpackages/gmt/install-6.0-linux-static.sh
 D /issm/trunk-jpl/externalpackages/gmt/install-6.0-linux.sh
 D /issm/trunk-jpl/externalpackages/gmt/install-6.0-mac-static.sh
 D /issm/trunk-jpl/externalpackages/gmt/install-6.0-mac.sh
 M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-mac-parallel-static.sh
 M /issm/trunk-jpl/externalpackages/netcdf/install-4.7-parallel-static-with_tests.sh
 M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-solid_earth-static.sh
 M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-static.sh
 M /issm/trunk-jpl/externalpackages/proj/install-6.2-static.sh
 A /issm/trunk-jpl/jenkins/debian_linux-valgrind
 M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-matlab
 A /issm/trunk-jpl/jenkins/pine_island-mac-binaries-python
 D /issm/trunk-jpl/jenkins/ross-debian_linux-valgrind
 Export determination: 6.
 Rationale: CHG: Configuration changes to support static linking under macOS Catalina (Gatekeeper is more restrictive)

Change #1010 with diff file ISSM-25746-25747.diff:
 Function name:

M /issm/trunk-jpl/externalpackages/gmsh/install-4.sh

Export determination: 6.

Rationale: CHG: Cleanup

Change #1011 with diff file ISSM-25747-25748.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/planet/gmsh/gmshplanet.m

Export determination: 6.

Rationale: BUG: Need to find path to gmsh before calling in situations where it is not already in PATH (e.g. binaries).

Change #1012 with diff file ISSM-25748-25749.diff:

Function name:

M /issm/trunk-jpl/jenkins/aws-amazon_linux-solid_earth M /issm/trunk-jpl/jenkins/debian_linux-valgrind M /issm/trunk-jpl/jenkins/pine_island-mac-dakota M /issm/trunk-jpl/jenkins/pine_island-mac-python M /issm/trunk-jpl/jenkins/pine_island-mac-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-python M /issm/trunk-jpl/jenkins/ross-debian_linux-solid_earth

Export determination: 6.

Rationale: BUG: GMT install script

Change #1013 with diff file ISSM-25749-25750.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-matlab M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-python

Export determination: 6.

Rationale: BUG: MATLAB version; num procs

Change #1014 with diff file ISSM-25750-25751.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #1015 with diff file ISSM-25751-25752.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cp
M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringTo
M /issm/trunk-jpl/src/m/classes/model.m M /issm/trunk-jpl/src/m/classes/solidearth.m
M /issm/trunk-jpl/src/m/classes/solidearthsettings.m M /issm/trunk-jpl/src/m/geometry/planetradius.m

Export determination: 6.

Rationale: CHG: new partition vector for solidearthsettings. New handling of rigid and elastic table precomputations. New Europa planet radius. New earth default in model constructor.

Change #1016 with diff file ISSM-25752-25753.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed issues with barystatic partitioning that was missing from the prototypes.

Change #1017 with diff file ISSM-25753-25754.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: saving solidearthsolution as preliminary father class.

Change #1018 with diff file ISSM-25754-25755.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/cores/sealevelchange_core

Export determination: 6.

Rationale: CHG: missing partitioning vectors.

Change #1019 with diff file ISSM-25755-25756.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing compilation

Change #1020 with diff file ISSM-25756-25757.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing compilation

Change #1021 with diff file ISSM-25757-25758.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing compilation

Change #1022 with diff file ISSM-25758-25759.diff:

Function name:

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

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

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

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

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

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

M /issm/trunk-jpl/src/m/contrib/larour/glacier_inventory.m M /issm/trunk-jpl/src/m/contrib/larour/ismip6.

M /issm/trunk-jpl/src/m/contrib/larour/mme_autotime_correlation_matrix.m M

/issm/trunk-jpl/src/m/interp/averaging.m M /issm/trunk-jpl/src/m/mesh/FixMesh.m

M /issm/trunk-jpl/src/m/plot/processdataatlong.m M /issm/trunk-jpl/src/m/solve/solve.m

M /issm/trunk-jpl/src/m/solve/solve.py M /issm/trunk-jpl/src/m/units/sletogt.m

Export determination: 6.

Rationale: CHG: Missing changes from merge from Eric's branch

Change #1023 with diff file ISSM-25759-25760.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp
Export determination: 6.
Rationale: CHG: missing parameters adds.

Change #1024 with diff file ISSM-25760-25761.diff:

Function name:
A /issm/trunk-jpl/jenkins/mac-valgrind
Export determination: 6.
Rationale: ADD: Valgrind build for macOS

Change #1025 with diff file ISSM-25761-25762.diff:

Function name:
M /issm/trunk-jpl/src/c/modules/InputUpdateFromDakotax/InputUpdateFromDakotax.cpp
Export determination: 6.
Rationale: CHG: Missing changes from merge from Eric's branch

Change #1026 with diff file ISSM-25762-25763.diff:

Function name:
M /issm/trunk-jpl/externalpackages/gmsh/install-4-mac-python-static.sh M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-python A /issm/trunk-jpl/scripts/py_to_pyc.sh
M /issm/trunk-jpl/src/m/classes/clusters/local.py M /issm/trunk-jpl/src/m/classes/spatiallinearbasalforcings
M /issm/trunk-jpl/src/m/geometry/AboveGround.py M /issm/trunk-jpl/src/m/plot/plot_coastlines.py
M /issm/trunk-jpl/src/m/solvers/bcgsasmoptions.py M /issm/trunk-jpl/src/m/solvers/bcgsjacobioptions.py
M /issm/trunk-jpl/src/m/solvers/cgnejacobioptions.py M /issm/trunk-jpl/src/m/solvers/conditionnumberopti
M /issm/trunk-jpl/src/m/solvers/mumpsnoneoptions.py M /issm/trunk-jpl/test/NightlyRun/GetIds.py
M /issm/trunk-jpl/test/NightlyRun/runme.py
Export determination: 6.
Rationale: CHG: Changes in support of binaries Python API; clean up

Change #1027 with diff file ISSM-25763-25764.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancevelocityAnalysis.c
M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseA

M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyGlaDSAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.
M /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.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/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/cores/sealevelchange_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/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/solidearth.m M /issm/trunk-jpl/src/m/classes/solidearthsettings.m M /issm/trunk-jpl/src/m/classes/solidearthsolution.m
M /issm/trunk-jpl/test/NightlyRun/test2002.m M /issm/trunk-jpl/test/NightlyRun/test2002.py M /issm/trunk-jpl/test/NightlyRun/test2003.m M /issm/trunk-jpl/test/NightlyRun/test2003.py
M /issm/trunk-jpl/test/NightlyRun/test2004.m M /issm/trunk-jpl/test/NightlyRun/test2004.py M /issm/trunk-jpl/test/NightlyRun/test2005.m M /issm/trunk-jpl/test/NightlyRun/test2005.py
M /issm/trunk-jpl/test/NightlyRun/test2006.m M /issm/trunk-jpl/test/NightlyRun/test2006.py M /issm/trunk-jpl/test/NightlyRun/test2010.m M /issm/trunk-jpl/test/NightlyRun/test2010.py
M /issm/trunk-jpl/test/NightlyRun/test2424.m M /issm/trunk-jpl/test/NightlyRun/test2424.py M /issm/trunk-jpl/test/NightlyRun/test2425.m M /issm/trunk-jpl/test/NightlyRun/test2425.py
Export determination: 6.
Rationale: CHG: fixing issues with elastic vs rigid vs rotation.

Change #1028 with diff file ISSM-25764-25765.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: MATLAB -i Python

Change #1029 with diff file ISSM-25765-25766.diff:

Function name:

M /issm/trunk-jpl/jenkins/aws-amazon_linux-solid_earth M /issm/trunk-jpl/jenkins/debian_linux-valgrind M /issm/trunk-jpl/jenkins/mac-valgrind M /issm/trunk-jpl/jenkins/macosx_pine-island_examples M /issm/trunk-jpl/jenkins/pine_island-mac M /issm/trunk-jpl/jenkins/ross-debian_linux M /issm/trunk-jpl/jenkins/ross-debian_linux-adolc-ampioff M /issm/trunk-jpl/jenkins/ross-debian_linux-adolc-ampion M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-with_dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-codipack M /issm/trunk-jpl/jenkins/ross-debian_linux-dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-gia M /issm/trunk-jpl/jenkins/ross-debian_linux-iceocean 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-debian_linux-trunk M /issm/trunk-jpl/jenkins/windows
Export determination: 6.
Rationale: CHG: PETSc 3.14 failing on MUMPS again

Change #1030 with diff file ISSM-25766-25767.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: MATLAB -i Python

Change #1031 with diff file ISSM-25767-25768.diff:

Function name:

M /issm/trunk-jpl/externalpackages/gmsh/install-4.sh M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

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

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

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

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

M /issm/trunk-jpl/src/m/geometry/planetradius.py

Export determination: 6.

Rationale: BUG: Fix for SE with rigid (corrected issue that I introduced earlier); various

Change #1032 with diff file ISSM-25768-25769.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: MATLAB version

Change #1033 with diff file ISSM-25769-25770.diff:

Function name:

A /issm/trunk-jpl/test/Data/lmb_temporal.mat

Export determination: 6.

Rationale: "Adding temporal love number tables"

Change #1034 with diff file ISSM-25770-25771.diff:

Function name:

A /issm/trunk-jpl/package/mac/issm-executable_entitlements.plist M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am M /issm/trunk-jpl/src/wrappers/python/Makefile.am

Export determination: 6.

Rationale: CHG: Changes in support of macOS binaries; clean up

Change #1035 with diff file ISSM-25771-25772.diff:

Function name:

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

M /issm/trunk-jpl/src/c/classes/Loads/Channel.h M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim

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

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

Export determination: 6.

Rationale: CHG: added channel discharge

Change #1036 with diff file ISSM-25772-25773.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/geometry.m M /issm/trunk-jpl/src/m/classes/hydrologyglads.m

Export determination: 6.

Rationale: CHG: added hydrologyglads.m as an output

Change #1037 with diff file ISSM-25773-25774.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: disp issue fixed.

Change #1038 with diff file ISSM-25774-25775.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: bad syntax

Change #1039 with diff file ISSM-25775-25776.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameter M /issm/trunk-jpl/src/c/shared/Enum/Enum.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringTo M /issm/trunk-jpl/src/m/classes/mismipbasalforcings.m M /issm/trunk-jpl/src/m/classes/mismipbasalforcings

Export determination: 6.

Rationale: CHG: making alpha a field

Change #1040 with diff file ISSM-25777-25778.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameter M /issm/trunk-jpl/src/m/classes/basalforcingsbeckmanngoosse.m M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpSmith2020.m

Export determination: 6.

Rationale: CHG: fixinf BckmannGoose

Change #1041 with diff file ISSM-25778-25779.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: limit channel cross section

Change #1042 with diff file ISSM-25779-25780.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plotchannels.m

Export determination: 6.

Rationale: CHG: added quiver option

Change #1043 with diff file ISSM-25780-25781.diff:

Function name:

M /issm/trunk-jpl/package-mac/package-issm-mac-binaries-matlab.sh A /issm/trunk-jpl/package-mac/package-issm-mac-binaries-python.sh (from /issm/trunk-jpl/package-mac/package-issm-mac-binaries-matlab.sh:25769) M /issm/trunk-jpl/package-mac/sign-issm-mac-binaries-matlab.sh A /issm/trunk-jpl/package-mac/sign-issm-mac-binaries-python.sh (from /issm/trunk-jpl/package-mac/sign-issm-mac-binaries-matlab.sh:25751) M /issm/trunk-jpl/package-mac/test-issm-mac-binaries-matlab.sh A /issm/trunk-jpl/package-mac/test-issm-mac-binaries-python.sh (from /issm/trunk-jpl/package-mac/test-issm-mac-binaries-matlab.sh:25769) M /issm/trunk-jpl/src/m/classes/results.py

Export determination: 6.

Rationale: CHG: Addition of packaging scripts for ISSM macOS binaries with Python API; documentation; variable initialization

Change #1044 with diff file ISSM-25781-25782.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Ensuring that only one option is used at a time

Change #1045 with diff file ISSM-25782-25783.diff:

Function name:

M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-matlab M /issm/trunk-jpl/jenkins/pine_island-mac-binaries-python M /issm/trunk-jpl/package-mac/package-issm-mac-binaries-matlab.sh M /issm/trunk-jpl/package-mac/package-issm-mac-binaries-python.sh

Export determination: 6.

Rationale: CHG: Corrected paths on Pine Island; documentation

Change #1046 with diff file ISSM-25783-25784.diff:

Function name:

A /issm/trunk-jpl/externalpackages/curl/install-7-linux-static.sh (from /issm/trunk-jpl/externalpackages/curl/install-7.67-static.sh:25782) A /issm/trunk-jpl/externalpackages/curl/install-7-linux-with_tests.sh (from /issm/trunk-jpl/externalpackages/curl/install-7.67-with_tests.sh:25782) A /issm/trunk-jpl/externalpackages/curl/install-7-linux.sh (from /issm/trunk-jpl/externalpackages/curl/install-7.67.sh:25782) A /issm/trunk-jpl/externalpackages/curl/install-7-mac-static.sh A /issm/trunk-jpl/externalpackages/curl/install-7-mac.sh (from /issm/trunk-jpl/externalpackages/curl/install-7.67.sh:25782) D

/issm/trunk-jpl/externalpackages/curl/install-7.67-static.sh D /issm/trunk-jpl/externalpackages/curl/install-7.67-with_tests.sh D /issm/trunk-jpl/externalpackages/curl/install-7.67.sh
Export determination: 6.
Rationale: CHG: Updated configurations

Change #1047 with diff file ISSM-25784-25785.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp
Export determination: 6.
Rationale: CHG: added meltfactor as a control

Change #1048 with diff file ISSM-25785-25786.diff:
Function name:
M /issm/trunk-jpl/externalpackages/curl/install-7-linux-static.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-linux-static.sh A /issm/trunk-jpl/externalpackages/gmt/configs/6/static/src/CMakeLists.txt M /issm/trunk-jpl/externalpackages/gmt/configs/6/static/src/CMakeLists.txt M /issm/trunk-jpl/externalpackages/gmt/install-6-linux-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.12-linux-static.sh
Export determination: 6.
Rationale: CHG: Support for Linux binaries

Change #1049 with diff file ISSM-25786-25787.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/Calvingx/Calvingx.cpp
Export determination: 6.
Rationale: CHG: no need to call calving rate vm twice

Change #1050 with diff file ISSM-25787-25788.diff:
Function name:
A /issm/trunk-jpl/externalpackages/adjoinablempi/install-mac.sh (from /issm/trunk-jpl/externalpackages/adjoinablempi/install.sh:25786) D /issm/trunk-jpl/externalpackages/adjoinablempi/install-macosx64.sh D /issm/trunk-jpl/externalpackages/adjoinablempi/install.sh
Export determination: 6.
Rationale: CHG: macOS configuration; clean up

Change #1051 with diff file ISSM-25788-25789.diff:

Function name:

D /issm/trunk-jpl/externalpackages/netcdf/install-4.7-mac-parallel-static.sh M
/issm/trunk-jpl/jenkins/pine_island-mac-binaries-matlab M /issm/trunk-jpl/jenkins/pine_island-
mac-binaries-python M /issm/trunk-jpl/packagers/mac/package-issm-mac-binaries-
python.sh

Export determination: 6.

Rationale: CHG: Minor fixes; clean up

Change #1052 with diff file ISSM-25789-25790.diff:

Function name:

M /issm/trunk-jpl/jenkins/aws-amazon_linux-solid_earth M /issm/trunk-jpl/jenkins/debian_linux-
valgrind M /issm/trunk-jpl/jenkins/mac-valgrind 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-dakota M /issm/trunk-jpl/jenkins/pine_island-
mac-python M /issm/trunk-jpl/jenkins/pine_island-mac-solid_earth M /issm/trunk-
jpl/jenkins/ross-debian_linux-binaries-solid_earth M /issm/trunk-jpl/jenkins/ross-
debian_linux-dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-python M /issm/trunk-
jpl/jenkins/ross-debian_linux-solid_earth

Export determination: 6.

Rationale: BUG: Path to curl install script

Change #1053 with diff file ISSM-25790-25791.diff:

Function name:

M /issm/trunk-jpl/jenkins/aws-amazon_linux-solid_earth M /issm/trunk-jpl/jenkins/debian_linux-
valgrind M /issm/trunk-jpl/jenkins/mac-valgrind M /issm/trunk-jpl/jenkins/pine_island-
mac-dakota M /issm/trunk-jpl/jenkins/pine_island-mac-python M /issm/trunk-
jpl/jenkins/pine_island-mac-solid_earth M /issm/trunk-jpl/jenkins/ross-debian_linux-
dakota M /issm/trunk-jpl/jenkins/ross-debian_linux-python M /issm/trunk-jpl/jenkins/ross-
debian_linux-solid_earth

Export determination: 6.

Rationale: BUG: Path to curl install script

Change #1054 with diff file ISSM-25791-25792.diff:

Function name:

A /issm/trunk-jpl/externalpackages/gmsh/configs/4.5.6/static A /issm/trunk-
jpl/externalpackages/gmsh/configs/4.5.6/static/CMakeLists.txt A /issm/trunk-
jpl/externalpackages/gmsh/configs/4.7.0/static A /issm/trunk-jpl/externalpackages/gmsh/configs/4.7.0/static

M /issm/trunk-jpl/externalpackages/gmsh/install-4-linux-python-static.sh M /issm/trunk-jpl/externalpackages/gmsh/install-4-linux-static.sh A /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-matlab A /issm/trunk-jpl/package/linux/package-issm-linux-binaries-matlab.sh
Export determination: 6.
Rationale: CHG: Updates to Debian Linux binaries (MATLAB API)

Change #1055 with diff file ISSM-25792-25793.diff:

Function name:
M /issm/trunk-jpl/src/m/plot/plotchannels.m
Export determination: 6.
Rationale: CHG: added linewidth option

Change #1056 with diff file ISSM-25793-25794.diff:

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

Change #1057 with diff file ISSM-25794-25795.diff:

Function name:
M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpBedmachineGreenland.m
Export determination: 6.
Rationale: CHG: minor

Change #1058 with diff file ISSM-25795-25796.diff:

Function name:
M /issm/trunk-jpl/externalpackages/curl/install-7-linux-static.sh M /issm/trunk-jpl/externalpackages/curl/install-7-linux-with_tests.sh M /issm/trunk-jpl/externalpackages/curl/install-7-linux.sh M /issm/trunk-jpl/externalpackages/curl/install-7-mac-static.sh M /issm/trunk-jpl/externalpackages/curl/install-7-mac.sh
Export determination: 6.
Rationale: CHG: Temporary revert of curl version

Change #1059 with diff file ISSM-25796-25797.diff:

Function name:

M /issm/trunk-jpl/externalpackages/chaco/patches/Makefile.macosx64-sierra.patch

M /issm/trunk-jpl/externalpackages/chaco/patches/Makefile.patch

Export determination: 6.

Rationale: CHG: add a flag for implicit function declaration for the mac install scripts

Change #1060 with diff file ISSM-25797-25798.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added levelset option to plot_overlay.m

Change #1061 with diff file ISSM-25798-25799.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/morlighem/modeldata/interpSmith2020.m

Export determination: 6.

Rationale: BUG: fixed typo

Change #1062 with diff file ISSM-25799-25800.diff:

Function name:

M /issm/trunk-jpl/externalpackages/curl/install-7-linux-static.sh M /issm/trunk-jpl/externalpackages/curl/install-7-linux-with_tests.sh M /issm/trunk-jpl/externalpackages/curl/install-7-linux.sh M /issm/trunk-jpl/externalpackages/curl/install-7-mac-static.sh M /issm/trunk-jpl/externalpackages/curl/install-7-mac.sh

Export determination: 6.

Rationale: CHG: CURL pkg version

Change #1063 with diff file ISSM-25800-25801.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.12-mac.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.14-mac.sh

Export determination: 6.

Rationale: CHG: Best guess at required compiler flags plus documentation

Change #1064 with diff file ISSM-25801-25802.diff:

Function name:

A /issm/trunk-jpl/externalpackages/adolc/install-mac-with_ampi.sh (from /issm/trunk-jpl/externalpackages/adolc/install-withampi-macosx64.sh:25800) A /issm/trunk-jpl/externalpackages/adolc/install-with_ampi.sh (from /issm/trunk-jpl/externalpackages/adolc/install-withampi.sh:25800) D /issm/trunk-jpl/externalpackages/adolc/install-withampi.sh
M /issm/trunk-jpl/jenkins/linux64_caladan_ampi A /issm/trunk-jpl/jenkins/pine_island-mac-adolc-ampion (from /issm/trunk-jpl/jenkins/ross-debian_linux-adolc-ampion:25800)
M /issm/trunk-jpl/jenkins/ross-debian_linux-adolc-ampion

Export determination: 6.

Rationale: CHG: Configs for AD on macOS; clean up

Change #1065 with diff file ISSM-25802-25803.diff:

Function name:

D /issm/trunk-jpl/externalpackages/adolc/install-withampi-macosx64.sh

Export determination: 6.

Rationale: CHG: Configs for AD on macOS; clean up

Change #1066 with diff file ISSM-25803-25804.diff:

Function name:

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/ross-debian_linux-binaries-matlab

Export determination: 6.

Rationale: CHG: curl install script by OS

Change #1067 with diff file ISSM-25804-25805.diff:

Function name:

M /issm/trunk-jpl/externalpackages/curl/install-7-mac-static.sh

Export determination: 6.

Rationale: CHG: External packages are available again

Change #1068 with diff file ISSM-25805-25806.diff:

Function name:

M /issm/trunk-jpl/externalpackages/curl/install-7-mac.sh

Export determination: 6.

Rationale: BUG: Shared libraries option

Change #1069 with diff file ISSM-25806-25807.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/calving.py A /issm/trunk-jpl/src/m/classes/frictionschoof.py

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

M /issm/trunk-jpl/src/m/classes/solidearthsettings.py M /issm/trunk-jpl/src/m/inversions/supportedcontrols

M /issm/trunk-jpl/src/m/inversions/supportedcostfunctions.py M /issm/trunk-

jpl/src/m/qmu/postqmu.m M /issm/trunk-jpl/test/NightlyRun/runme.m M /issm/trunk-

jpl/test/NightlyRun/test350.py A /issm/trunk-jpl/test/NightlyRun/test356.py

M /issm/trunk-jpl/test/NightlyRun/test444.py A /issm/trunk-jpl/test/NightlyRun/test481.py

Export determination: 6.

Rationale: CHG: Python implementation of frictionschoof

Change #1070 with diff file ISSM-25807-25808.diff:

Function name:

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

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

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/test/Archives/Archive243.arch

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

Export determination: 6.

Rationale: CHG: add extra accumulated SMB components to GEMB

Change #1071 with diff file ISSM-25808-25809.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: install script with new version

Change #1072 with diff file ISSM-25809-25810.diff:

Function name:

A /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-python M /issm/trunk-jpl/package-issm-linux-binaries-matlab.sh A /issm/trunk-jpl/package-issm-linux-binaries-python.sh
Export determination: 6.
Rationale: CHG: New configuration and packaging script

Change #1073 with diff file ISSM-25810-25811.diff:

Function name:
M /issm/trunk-jpl/src/c/main/esmfbinders.cpp
Export determination: 6.
Rationale: BUG: ESMF not even compiling

Change #1074 with diff file ISSM-25811-25812.diff:

Function name:
M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/main/esmfbinders.cpp
Export determination: 6.
Rationale: CHG: working on FISOC

Change #1075 with diff file ISSM-25812-25813.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Vertex.cpp
M /issm/trunk-jpl/src/c/classes/Vertex.h M /issm/trunk-jpl/src/c/cores/esa_core.cpp
M /issm/trunk-jpl/src/c/cores/gia_core.cpp M /issm/trunk-jpl/src/c/cores/sealevelchange_core.cpp
M /issm/trunk-jpl/src/c/modules/VertexCoordinatesx/VertexCoordinatesx.cpp
M /issm/trunk-jpl/src/c/modules/VertexCoordinatesx/VertexCoordinatesx.h
Export determination: 6.
Rationale: CHG: added rank as a possible output, necessary for ESMF compliance

Change #1076 with diff file ISSM-25813-25814.diff:

Function name:
M /issm/trunk-jpl/src/c/main/esmfbinders.cpp M /issm/trunk-jpl/src/c/modules/VertexCoordinatesx/VertexCoordinatesx.h
Export determination: 6.
Rationale: BUG: fixing compilation issue, sorry

Change #1077 with diff file ISSM-25814-25815.diff:

Function name:

M /issm/trunk-jpl/src/c/main/esmfbinders.cpp

Export determination: 6.

Rationale: CHG: more FISOC stuff

Change #1078 with diff file ISSM-25815-25816.diff:

Function name:

M /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-python D /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-solid_earth D /issm/trunk-jpl/jenkins/ross-debian_linux-binaries-with_dakota

Export determination: 6.

Rationale: CHG: curl install script; clean up

Change #1079 with diff file ISSM-25816-25817.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:fixing some spacing in plotoption

Change #1080 with diff file ISSM-25817-25818.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmstatistics.py M /issm/trunk-jpl/src/m/classes/results.py

M /issm/trunk-jpl/src/m/classes/solidearthsettings.py M /issm/trunk-jpl/src/m/os/issmscpout.py

M /issm/trunk-jpl/src/m/solve/loadresultfromdisk.py M /issm/trunk-jpl/src/m/solve/loadresultsfromcluster.py

M /issm/trunk-jpl/src/m/solve/loadresultsfromdisk.py M /issm/trunk-jpl/src/m/solve/parsereventsfromdisk.py

Export determination: 6.

Rationale: CHG:minor syntax fix for to suit PEP8

Change #1081 with diff file ISSM-25818-25819.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: Adding SIGMA Saga cluster

Change #1082 with diff file ISSM-25819-25820.diff:

Function name:

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: modifying nc IO to suit new results structure

Change #1083 with diff file ISSM-25820-25821.diff:

Function name:

D /issm/trunk-jpl/jenkins/debian_linux-valgrind D /issm/trunk-jpl/jenkins/mac-valgrind D /issm/trunk-jpl/jenkins/pine_island-mac A /issm/trunk-jpl/jenkins/pine_island-mac-basic (from /issm/trunk-jpl/jenkins/pine_island-mac:25819) A /issm/trunk-jpl/jenkins/pine_island-mac-full (from /issm/trunk-jpl/jenkins/mac-valgrind:25819) A /issm/trunk-jpl/jenkins/pine_island-mac-full-valgrind (from /issm/trunk-jpl/jenkins/mac-valgrind:25819) D /issm/trunk-jpl/jenkins/ross-debian_linux A /issm/trunk-jpl/jenkins/ross-debian_linux-basic (from /issm/trunk-jpl/jenkins/ross-debian_linux:25819) A /issm/trunk-jpl/jenkins/ross-debian_linux-full (from /issm/trunk-jpl/jenkins/mac-valgrind:25819) A /issm/trunk-jpl/jenkins/ross-debian_linux-full-valgrind (from /issm/trunk-jpl/jenkins/mac-valgrind:25819)

Export determination: 6.

Rationale: CHG: Clean up of configs; new configs intended for use on builds like macOS Examples

Change #1084 with diff file ISSM-25821-25822.diff:

Function name:

D /issm/trunk-jpl/jenkins/macosx_pine-island_examples

Export determination: 6.

Rationale: CHG: Clean up of configs; new configs intended for use on builds like macOS Examples

Change #1085 with diff file ISSM-25822-25823.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Missing error

Change #1086 with diff file ISSM-25823-25824.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Needed to remove call to union

Change #1087 with diff file ISSM-25824-25825.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Previously uncaught error of unquoted string

Change #1088 with diff file ISSM-25825-25826.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh

Export determination: 6.

Rationale: CHG: added esmf

Change #1089 with diff file ISSM-25826-25827.diff:

Function name:

M /issm/trunk-jpl/src/c/main/esmfbinders.cpp

Export determination: 6.

Rationale: CHG: reverting back to original for loop

Change #1090 with diff file ISSM-25827-25828.diff:

Function name:

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

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

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

M /issm/trunk-jpl/src/c/main/esmfbinders.cpp M /issm/trunk-jpl/src/c/modules/VertexCoordinatesx/Vertex

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

Export determination: 6.

Rationale: CHG: reverting to no rank

Change #1091 with diff file ISSM-25828-25829.diff:

Function name:

D /issm/trunk-jpl/jenkins/aws-amazon_linux-solid_earth M /issm/trunk-jpl/src/c/cores/transient_core.cpp

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

Export determination: 6.

Rationale: CHG: old version "slr" class does not have slr.sealevel.

Change #1092 with diff file ISSM-25829-25830.diff:

Function name:

A /issm/trunk-jpl/jenkins/aws-amazon_linux-solid_earth M /issm/trunk-jpl/src/c/cores/transient_core.cpp

Export determination: 6.

Rationale: CHG: reverting Inwoo's commit

Change #1093 with diff file ISSM-25832-25833.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3300.py

Export determination: 6.

Rationale: BUG:minor fix to naming