

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD

Log #: 23185-23389

(Note: This form and process do not replace the procedures described in JPL Policy relating to review and approval of proposals and contractual documents. This process is intended to document the review and coordination of requests to ascertain the export control ramifications relating to specific documents. Export Administration signature does not convey authority to export or release the "Exporter of Record" from any export laws or regulations.)

Program: ISSM: Ice Sheet System Model

Person Requesting or Initiating Export: Dr. Eric Larour

Date Received: Oct-5-2018

Document Title/Description: ISSM changes from revision 23185 to revision 23389

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:** Oct-5-2018

Disposition:

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

Change #1 with diff file ISSM-23185-23186.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #2 with diff file ISSM-23187-23188.diff:

Function name:

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

D /issm/trunk-jpl/src/m/modules/Triangle.m

Export determination: 6.

Rationale: merged trunk and trunk-jpl

Change #3 with diff file ISSM-23190-23191.diff:

Function name:

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

Export determination: 6.

Rationale: Block revision 23189 from being merged into trunk-jpl

Change #4 with diff file ISSM-23191-23192.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.
Rationale: CHG: new revision number of ISSM

Change #5 with diff file ISSM-23192-23193.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/triangle.py M /issm/trunk-jpl/src/m/mesh/triangle2dvertical.m

D /issm/trunk-jpl/src/m/modules/Triangle.py

Export determination: 6.

Rationale: CHG: removing Triangle.py as well

Change #6 with diff file ISSM-23193-23194.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #7 with diff file ISSM-23194-23195.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: forgot to import Triangle_python

Change #8 with diff file ISSM-23197-23198.diff:

Function name:

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

/issm/trunk-jpl/src/c/solutionsequences/solutionsequence_schurcg.cpp

Export determination: 6.

Rationale: NEW: added preconditioned Schur CG solution sequence for FS 3D

Change #9 with diff file ISSM-23198-23199.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Removed personal troubleshooting commands

Change #10 with diff file ISSM-23199-23200.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: Added routine to calculate local contribution to the Schur preconditioner

Change #11 with diff file ISSM-23204-23205.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Fixed bug in the SchurCG solver for nonzero Dirichlet B.C.

Change #12 with diff file ISSM-23205-23206.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Reduced SchurCG storage req. by storing preconditioner in Kff. Added adjusted routine to check for convergence.

Change #13 with diff file ISSM-23206-23207.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: PressureMassMatrix and SchurPreconditioner can now also be constructed in 2D

Change #14 with diff file ISSM-23207-23208.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: Combined 2D & 3D case for MassMatrix & SchurPrecond into one

Change #15 with diff file ISSM-23210-23211.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/stallo.py
Export determination: 6.
Rationale: BUG:updating Stallo cluster file

Change #16 with diff file ISSM-23211-23212.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/defleurian/netCDF/export_netCDF.py M /issm/trunk-jpl/src/m/contrib/defleurian/paraview/enveloppeVTK.py M /issm/trunk-jpl/src/m/contrib/defleurian/paraview
Export determination: 6.
Rationale: CHG:updating export routines

Change #17 with diff file ISSM-23212-23213.diff:
Function name:
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_schurcg.cpp
Export determination: 6.
Rationale: CHG: make sure code compile with PETSc 3.4

Change #18 with diff file ISSM-23214-23215.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test290.m M /issm/trunk-jpl/test/NightlyRun/test290.py
Export determination: 6.
Rationale: CHG: Easing tolerances

Change #19 with diff file ISSM-23215-23216.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/adjointstressbalance_core.cpp M /issm/trunk-jpl/src/c/cores/stressbalance_core.cpp
Export determination: 6.

Rationale: CHG: Added SchurCG switch to control method

Change #20 with diff file ISSM-23216-23217.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Minor: extra backslash in m1qn3 lib path.

Change #21 with diff file ISSM-23217-23218.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Added SchurCG compatibility to control_core.cpp

Change #22 with diff file ISSM-23218-23219.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: use brackets to protect case

Change #23 with diff file ISSM-23219-23220.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: libprepend mpich

Change #24 with diff file ISSM-23220-23221.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added switch to MatCreateSubMatrix for PETSc 3.5+

Change #25 with diff file ISSM-23221-23222.diff:

Function name:

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

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

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

Export determination: 6.

Rationale: CHG: added core solution profiling

Change #26 with diff file ISSM-23222-23223.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: moved core profiling to md.debug.profiling

Change #27 with diff file ISSM-23223-23224.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Eased tolerances

Change #28 with diff file ISSM-23224-23225.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Eased tolerances

Change #29 with diff file ISSM-23227-23228.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added codipack

Change #30 with diff file ISSM-23228-23229.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Profiler.h M /issm/trunk-jpl/src/c/cores/thermal_core.cpp
Export determination: 6.
Rationale: CHG: added thermal core solution profiling

Change #31 with diff file ISSM-23229-23230.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: CHG: added output for thermal core solution profiling

Change #32 with diff file ISSM-23230-23231.diff:

Function name:
A /issm/trunk-jpl/src/m/classes/clusters/stallo.m M /issm/trunk-jpl/src/m/classes/clusters/stallo.py
Export determination: 6.
Rationale: NEW: adding matlab stallo and updating py

Change #33 with diff file ISSM-23231-23232.diff:

Function name:
M /issm/trunk-jpl/src/m/modules/Chaco.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/qmu/dakota_in_write.py
M /issm/trunk-jpl/src/m/qmu/dakota_out_parse.py M /issm/trunk-jpl/src/m/qmu/process_qmu_response_data.py
M /issm/trunk-jpl/src/wrappers/Chaco/Chaco.cpp M /issm/trunk-jpl/src/wrappers/python/io/FetchPythonIO.py
M /issm/trunk-jpl/src/wrappers/python/io/pythonio.h A /issm/trunk-jpl/test/NightlyRun/test234.py
A /issm/trunk-jpl/test/NightlyRun/test235.py A /issm/trunk-jpl/test/NightlyRun/test413.py
A /issm/trunk-jpl/test/NightlyRun/test414.py A /issm/trunk-jpl/test/NightlyRun/test417.py
A /issm/trunk-jpl/test/NightlyRun/test444.py
Export determination: 6.
Rationale: NEW: added Dakota/QMU Chaco tests (234,235,413,414,417,444),
minor bug fixes, left out 418 due to unresolved memory issues

Change #34 with diff file ISSM-23232-23233.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Profiler.h
M /issm/trunk-jpl/src/c/cores/damage_core.cpp 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/hydrology_core.cpp
M /issm/trunk-jpl/src/c/cores/movingfront_core.cpp M /issm/trunk-jpl/src/c/cores/sealevelrise_core.cpp
M /issm/trunk-jpl/src/c/cores/smb_core.cpp M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: CHG: added core solution profiling

Change #35 with diff file ISSM-23233-23234.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added adjointmpi for codipack

Change #36 with diff file ISSM-23234-23235.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_dakota

Export determination: 6.

Rationale: CHG: Adding Python tests for Dakota

Change #37 with diff file ISSM-23235-23236.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed 2084 so that python and matlab versions test names and tolerances match

Change #38 with diff file ISSM-23236-23237.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: updated numberedcostfunction

Change #39 with diff file ISSM-23237-23238.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/issm/IssmToolkitUtils.cpp
Export determination: 6.
Rationale: CHG: added check to avoid crash

Change #40 with diff file ISSM-23238-23239.diff:
Function name:
M /issm/trunk-jpl/src/m/mesh/triangle.py
Export determination: 6.
Rationale: BUG: no more Triangle module

Change #41 with diff file ISSM-23239-23240.diff:
Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: integrating CoDiPack changes

Change #42 with diff file ISSM-23240-23241.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Numberedcostfunction.cpp M /issm/trunk-jpl/src/c/cores/controladm1qn3_c
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h M /issm/trunk-jpl/src/c/shared/MemOps/MemOps.cpp M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiSparseMat.h
Export determination: 6.
Rationale: CHG: integrating changes from CoDiPack's branche

Change #43 with diff file ISSM-23241-23242.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/toolkits/codipack
A /issm/trunk-jpl/src/c/toolkits/codipack/CoDiPackCommon.hpp A /issm/trunk-jpl/src/c/toolkits/codipack/CoDiPackGlobal.h A /issm/trunk-jpl/src/c/toolkits/codipack/ampi_interface.cpp
A /issm/trunk-jpl/src/c/toolkits/codipack/codipackincludes.h M /issm/trunk-jpl/src/c/toolkits/toolkits.h
Export determination: 6.
Rationale: CHG: integrating CoDiPack's changes

Change #44 with diff file ISSM-23242-23243.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/ExternalResults/Gen
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/cores/control_core.cpp
M /issm/trunk-jpl/src/c/cores/controlvalidation_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M
/issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp M /issm/trunk-
jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp

Export determination: 6.

Rationale: CHG: integrating CoDiPack's changes

Change #45 with diff file ISSM-23243-23244.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing compilation

Change #46 with diff file ISSM-23244-23245.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Numerics/extrema.cpp M /issm/trunk-jpl/src/c/shared/Numerics/isnan.cpp
M /issm/trunk-jpl/src/c/shared/Numerics/isnan.h M /issm/trunk-jpl/src/c/shared/Numerics/numerics.h
M /issm/trunk-jpl/src/c/shared/Numerics/recast.h M /issm/trunk-jpl/src/c/shared/Numerics/types.h

Export determination: 6.

Rationale: CHG: integrating changes from CoDiPack's branche

Change #47 with diff file ISSM-23245-23246.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added field for CoDiPack

Change #48 with diff file ISSM-23246-23247.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/javascript/Makefile.am M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am
M /issm/trunk-jpl/src/wrappers/python/Makefile.am
Export determination: 6.
Rationale: CHG: integrated CoDiPack changes

Change #49 with diff file ISSM-23247-23248.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_ross_dakota
Export determination: 6.
Rationale: CHG: Disabling Python tests for Dakota again until Nathan can have a look

Change #50 with diff file ISSM-23248-23249.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test2084.m M /issm/trunk-jpl/test/NightlyRun/test2084.py
Export determination: 6.
Rationale: CHG: Adjusted tolerances

Change #51 with diff file ISSM-23249-23250.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test215.m M /issm/trunk-jpl/test/NightlyRun/test215.py
Export determination: 6.
Rationale: CHG: Adjusted tolerances

Change #52 with diff file ISSM-23250-23251.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/ad_core.cpp M /issm/trunk-jpl/src/c/cores/adgradient_core.cpp
M /issm/trunk-jpl/src/c/cores/controladm1qn3_core.cpp
Export determination: 6.
Rationale: CHG: final changes from CoDiPack

Change #53 with diff file ISSM-23251-23252.diff:
Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/IoModel.cpp
M /issm/trunk-jpl/src/c/toolkits/gsl/DenseGslSolve.cpp M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.cpp
M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.h M /issm/trunk-jpl/src/c/toolkits/mumps/MumpsSolve.cpp
Export determination: 6.
Rationale: CHG: final changes from CoDiPack

Change #54 with diff file ISSM-23252-23253.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp
M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/modules/GetVectorFromControlIn
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Autodiff/CreateParametersAutodiff.cpp

Export determination: 6.

Rationale: CHG: compile the code with CoDiPack in

Change #55 with diff file ISSM-23253-23254.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: get trunk instead

Change #56 with diff file ISSM-23254-23255.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h
M /issm/trunk-jpl/src/c/classes/Options/GenericOption.h M /issm/trunk-jpl/src/c/classes/Params/Parameters
M /issm/trunk-jpl/src/c/classes/Params/Parameters.h M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.h

Export determination: 6.

Rationale: CHG: fixing compilation for CoDiPack

Change #57 with diff file ISSM-23255-23256.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/cores/controlad_core.cpp
M /issm/trunk-jpl/src/c/modules/FloatingiceMeltingRatePicox/FloatingiceMeltingRatePicox.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.cpp
M /issm/trunk-jpl/src/c/shared/Elements/PrintArrays.cpp M /issm/trunk-jpl/src/c/shared/Elements/element

M /issm/trunk-jpl/src/c/toolkits/mpi/issmmmpi.h M /issm/trunk-jpl/src/c/toolkits/mumps/MumpsSolve.cpp
M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscMat.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscMat.h M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscVec.cpp
M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscVec.h
Export determination: 6.
Rationale: CHG: fixing some more errors related to CoDiPack compilation

Change #58 with diff file ISSM-23256-23257.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed preqmu.py causing directory error in consecutive Dakota/QMU tests, minor formatting issue in geometry.py

Change #59 with diff file ISSM-23257-23258.diff:

Function name:

A /issm/trunk-jpl/test/NightlyRun/test420.py

Export determination: 6.

Rationale: NEW: added test420.py

Change #60 with diff file ISSM-23258-23259.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test417.py A /issm/trunk-jpl/test/NightlyRun/test418.py

Export determination: 6.

Rationale: NEW: added test418.py to test on Jenkins, fails on my computer due to a memory issue.

Change #61 with diff file ISSM-23259-23260.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_dakota

Export determination: 6.

Rationale: CHG: Added Python tests back to Ubuntu Dakota build. Working on Mac version now.

Change #62 with diff file ISSM-23260-23261.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_python

Export determination: 6.

Rationale: CHG: Attempting to bring Python build test suite reporting online

Change #63 with diff file ISSM-23261-23262.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_python

Export determination: 6.

Rationale: CHG: Attempting to bring Python build test suite reporting online

Change #64 with diff file ISSM-23262-23263.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_python

Export determination: 6.

Rationale: CHG: Attempting to bring Python build test suite reporting online

Change #65 with diff file ISSM-23263-23264.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_python

Export determination: 6.

Rationale: CHG: Attempting to bring Python build test suite reporting online
(testing to see if something fishy is going on here)

Change #66 with diff file ISSM-23264-23265.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_python

Export determination: 6.

Rationale: CHG: Attempting to bring Python build test suite reporting online
(apparently something fishy is not going on here)

Change #67 with diff file ISSM-23265-23266.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: new cluster script

Change #68 with diff file ISSM-23266-23267.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/gsl/DenseGslSolve.cpp M /issm/trunk-jpl/src/c/toolkits/mumps/MumpsSol

Export determination: 6.

Rationale: BUG: fixing handling of external functions in codipack

Change #69 with diff file ISSM-23267-23268.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: integrating CoDiPack in m1qn3, still crashes after first it

Change #70 with diff file ISSM-23268-23269.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: minor cosmetics

Change #71 with diff file ISSM-23269-23270.diff:

Function name:

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

Export determination: 6.

Rationale: FIX: fixed runme.py bug causing default behavior to run no tests rather than all tests (except those explicitly excluded)

Change #72 with diff file ISSM-23270-23271.diff:

Function name:

A /issm/trunk-jpl/src/m/partition/AreaAverageOntoPartition.py

Export determination: 6.
Rationale: FIX: forgot to add AreaAverageOntoPartition.py when I uploaded the Dakota/QMU tests

Change #73 with diff file ISSM-23271-23272.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test2084.m M /issm/trunk-jpl/test/NightlyRun/test2084.py
Export determination: 6.
Rationale: CHG: Adjusted tolerances

Change #74 with diff file ISSM-23272-23273.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test2084.m M /issm/trunk-jpl/test/NightlyRun/test2084.py
Export determination: 6.
Rationale: CHG: Adjusted tolerances

Change #75 with diff file ISSM-23273-23274.diff:
Function name:
M /issm/trunk-jpl/jenkins/macosex_pine-island_dakota
Export determination: 6.
Rationale: CHG: Activating Python Dakota tests

Change #76 with diff file ISSM-23274-23275.diff:
Function name:
M /issm/trunk-jpl/jenkins/macosex_pine-island_dakota
Export determination: 6.
Rationale: CHG: Deactivating Python Dakota tests until I can get Python stable on Pine Island

Change #77 with diff file ISSM-23275-23276.diff:
Function name:
M /issm/trunk-jpl/jenkins/macosex_pine-island M /issm/trunk-jpl/jenkins/macosex_pine-island_dakota M /issm/trunk-jpl/jenkins/macosex_pine-island_dakota_static M

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

Export determination: 6.

Rationale: CHG: Activating Python Dakota tests on Pine Island; adjusting all Mac configs to match number of cores available on Pine Island

Change #78 with diff file ISSM-23276-23277.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosex_pine-island_dakota

Export determination: 6.

Rationale: CHG: Activating Python Dakota tests on Pine Island; adjusting all Mac configs to match number of cores available on Pine Island

Change #79 with diff file ISSM-23277-23278.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosex_pine-island_dakota

Export determination: 6.

Rationale: CHG: Adjusting path to Python

Change #80 with diff file ISSM-23278-23279.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: Easing tolerances

Change #81 with diff file ISSM-23279-23280.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: switching to other branch

Change #82 with diff file ISSM-23280-23281.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: switching to new branch of AdjointMPI

Change #83 with diff file ISSM-23281-23282.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: CoDiPack now works with 1 cpu

Change #84 with diff file ISSM-23282-23283.diff:

Function name:

A /issm/trunk-jpl/test/NightlyRun/test702.py

Export determination: 6.

Rationale: NEW: added test702.py

Change #85 with diff file ISSM-23283-23284.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Correcting path to numpy dir

Change #86 with diff file ISSM-23284-23285.diff:

Function name:

M /issm/trunk-jpl/src/m/modules/MeshPartition.m M /issm/trunk-jpl/src/m/modules/MeshPartition.py

Export determination: 6.

Rationale: BUG: fixed new implementation

Change #87 with diff file ISSM-23285-23286.diff:

Function name:

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

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

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp
Export determination: 6.
Rationale: CHG: enable compilation with proj.4

Change #88 with diff file ISSM-23286-23287.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp
Export determination: 6.
Rationale: CHG: minor error message:

Change #89 with diff file ISSM-23287-23288.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/DistanceToMaskBoundary/DistanceToMaskBoundary.cpp
M /issm/trunk-jpl/src/wrappers/IssmConfig/IssmConfig.cpp
Export determination: 6.
Rationale: CHG: added some variables

Change #90 with diff file ISSM-23288-23289.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/DistanceToMaskBoundary/DistanceToMaskBoundary.cpp
Export determination: 6.
Rationale: CHG: added error message for now

Change #91 with diff file ISSM-23289-23290.diff:
Function name:
A /issm/trunk-jpl/jenkins/linux64_ross_codi
Export determination: 6.
Rationale: CHG: added codi test

Change #92 with diff file ISSM-23290-23291.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test3015.m
Export determination: 6.

Rationale: CHG: added codi test

Change #93 with diff file ISSM-23291-23292.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_codi

Export determination: 6.

Rationale: CHG: fixing codipack

Change #94 with diff file ISSM-23292-23293.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_codi M /issm/trunk-jpl/test/NightlyRun/test3480.m

M /issm/trunk-jpl/test/NightlyRun/test3481.m

Export determination: 6.

Rationale: CHG: make some test work with CODIPACK

Change #95 with diff file ISSM-23293-23294.diff:

Function name:

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

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

Export determination: 6.

Rationale: BUG: fixing memory leaks

Change #96 with diff file ISSM-23294-23295.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiSparseMat.h

Export determination: 6.

Rationale: BUG: Daniel's suggestion makes ISSM hang

Change #97 with diff file ISSM-23305-23306.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/classes/Params/Parameter

Export determination: 6.

Rationale: CHG: FindParamAndMakePassive should always be compiled

Change #98 with diff file ISSM-23306-23307.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp

Export determination: 6.

Rationale: CHG: extending m1qn3 to AD compilation

Change #99 with diff file ISSM-23307-23308.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp

Export determination: 6.

Rationale: CHG: scaling factor should be double, not active

Change #100 with diff file ISSM-23308-23309.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscSolver.cpp

Export determination: 6.

Rationale: CHG: added VerboseSolver output for number of PETSc KSP iterations

Change #101 with diff file ISSM-23309-23310.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp

Export determination: 6.

Rationale: BUG: fixing compilation

Change #102 with diff file ISSM-23310-23311.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/classes/Params/Parameter

Export determination: 6.

Rationale: CHG: forgot to commit vector passive

Change #103 with diff file ISSM-23311-23312.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/control_core.cpp M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp

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

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

Export determination: 6.

Rationale: CHG: trying to simplify m1qn3 core to merge with ad

Change #104 with diff file ISSM-23315-23316.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing CoDiPack

Change #105 with diff file ISSM-23316-23317.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing CoDiPack

Change #106 with diff file ISSM-23317-23318.diff:

Function name:

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

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

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

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

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

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

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

M /issm/trunk-jpl/src/c/shared/Elements/elements.h M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinition

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

jpl/src/m/classes/SMBpddSicopolis.m A /issm/trunk-jpl/test/Archives/Archive245.arch

A /issm/trunk-jpl/test/NightlyRun/test245.m

Export determination: 6.

Rationale: NEW: SICOPOLIS PDD scheme

Change #107 with diff file ISSM-23318-23319.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/controlvalidation_core.cpp
Export determination: 6.
Rationale: CHG: make validation core work for AD (youhou)

Change #108 with diff file ISSM-23319-23320.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp
Export determination: 6.
Rationale: CHG: improved error message

Change #109 with diff file ISSM-23320-23321.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.cpp
Export determination: 6.
Rationale: CHG: better error message

Change #110 with diff file ISSM-23321-23322.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Elements/PddSurfaceMassBalanceSicopolis.cpp
Export determination: 6.
Rationale: BUG: fixed ADOLC compilation

Change #111 with diff file ISSM-23322-23323.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Elements/PddSurfaceMassBalanceSicopolis.cpp
Export determination: 6.
Rationale: BUG: fixed ADOLC compilation

Change #112 with diff file ISSM-23323-23324.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Elements/PddSurfaceMassBalanceSicopolis.cpp

Export determination: 6.
Rationale: CHG: error message IF adolc

Change #113 with diff file ISSM-23324-23325.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/controlvalidation_core.cpp
Export determination: 6.
Rationale: CHG: fixing ADOLC

Change #114 with diff file ISSM-23325-23326.diff:
Function name:
D /issm/trunk-jpl/externalpackages/README
Export determination: 6.
Rationale: DEL not needed anymore

Change #115 with diff file ISSM-23327-23328.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
Export determination: 6.
Rationale: BUG: Moved Enums to right locations in EnumDefinitons.h

Change #116 with diff file ISSM-23328-23329.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/
Export determination: 6.
Rationale: BUG: use correct Enum

Change #117 with diff file ISSM-23329-23330.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringTo
Export determination: 6.
Rationale: CHG: missing files in r23327 (Synchronized)

Change #118 with diff file ISSM-23330-23331.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_caladan.ad M /issm/trunk-jpl/jenkins/linux64_caladan_ampi

M /issm/trunk-jpl/jenkins/linux64_ross.ad M /issm/trunk-jpl/jenkins/linux64_ross_ampi

M /issm/trunk-jpl/jenkins/linux64_ross_codi

Export determination: 6.

Rationale: CHG: remove metis from installation

Change #119 with diff file ISSM-23331-23332.diff:

Function name:

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

Export determination: 6.

Rationale: Adding matlab file for cost function for drag

Change #120 with diff file ISSM-23332-23333.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: multiple tries for Google maps

Change #121 with diff file ISSM-23333-23334.diff:

Function name:

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

A /issm/trunk-jpl/test/NightlyRun/test245.py

Export determination: 6.

Rationale: NEW: added python version of test 245

Change #122 with diff file ISSM-23334-23335.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed typo

Change #123 with diff file ISSM-23335-23336.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: specialization for SpatialLinearFloatingMeltRateEnum at the wrong place

Change #124 with diff file ISSM-23336-23337.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: allow FS with other melt parameterizations

Change #125 with diff file ISSM-23337-23338.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: need melting rates for vz

Change #126 with diff file ISSM-23338-23339.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: do not load melting rate, it is bmb's job

Change #127 with diff file ISSM-23339-23340.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: FS now needs Bmb

Change #128 with diff file ISSM-23340-23341.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: still need to keep grounded ice melt rate

Change #129 with diff file ISSM-23341-23342.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: vertanalysis requires melt rates

Change #130 with diff file ISSM-23342-23343.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added a check on numthreads, make sure it is an int

Change #131 with diff file ISSM-23345-23346.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: make friction PISM work for SB

Change #132 with diff file ISSM-23348-23349.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mumps/MumpsSolve.cpp

Export determination: 6.

Rationale: BUG: fixed solver in parallel with CoDiPack

Change #133 with diff file ISSM-23349-23350.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: integrating MeDiPack

Change #134 with diff file ISSM-23350-23351.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/cores/controlm1qn3_core.cpp M /issm/trunk-jpl/src/c/toolkits/codipack/ampi_interf

Export determination: 6.

Rationale: CHG: integrating MeDiPack

Change #135 with diff file ISSM-23351-23352.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #136 with diff file ISSM-23352-23353.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: integrating MeDiPack

Change #137 with diff file ISSM-23353-23354.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added MeDiPack

Change #138 with diff file ISSM-23354-23355.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: checks not needed when we are not in a transient solution with a grounding line migration

Change #139 with diff file ISSM-23355-23356.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: same change in grounding line for python and js

Change #140 with diff file ISSM-23357-23358.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/shared/Numerics/types.h

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

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

Export determination: 6.

Rationale: CHG: integrating MeDiPack but not working yet

Change #141 with diff file ISSM-23358-23359.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added check that we don't have both adjointmpi and medipack

Change #142 with diff file ISSM-23359-23360.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3480.m M /issm/trunk-jpl/test/NightlyRun/test3481.m

Export determination: 6.

Rationale: CHG: now CoDiPack can run in parallel

Change #143 with diff file ISSM-23361-23362.diff:

Function name:

A /issm/trunk-jpl/externalpackages/adjointmpi/install-pleiades.sh

Export determination: 6.

Rationale: CHG: added install-pleiades.sh

Change #144 with diff file ISSM-23363-23364.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Typo in missing gmsh error message

Change #145 with diff file ISSM-23365-23366.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/SMBgradientscomponents.m A /issm/trunk-jpl/src/m/classes/SMBgradientscomponents.py M /issm/trunk-jpl/src/m/classes/clusters/stallo.m M /issm/trunk-jpl/src/m/classes/clusters/stallo.py M /issm/trunk-jpl/src/m/classes/taoinversion.py M /issm/trunk-jpl/src/m/contrib/defleurian/paraview/enveloppeVTK.py M /issm/trunk-jpl/src/m/solve/WriteData.py

Export determination: 6.

Rationale: NEW: adding a smb scheme that compute runoff separately (also fixing stallo cluster)

Change #146 with diff file ISSM-23366-23367.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/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/SurfaceMassBalancex.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/SurfaceMassBalancex.h M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/c/shared/io/Marshalling/

Export determination: 6.

Rationale: NEW: adding a smb scheme that compute runoff separately (smb-core is called two times in transient to provide runoff to hydro model)

Change #147 with diff file ISSM-23367-23368.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp
Export determination: 6.
Rationale: BUG:commenting debugging message

Change #148 with diff file ISSM-23368-23369.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp
Export determination: 6.
Rationale: BUG:commenting debugging message

Change #149 with diff file ISSM-23369-23370.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/runme.py M /issm/trunk-jpl/test/NightlyRun/test101.m
Export determination: 6.
Rationale: BUG:partial fix, issues remain in Hydro

Change #150 with diff file ISSM-23370-23371.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/analyses/MasstransportAnal
M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp
M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: BUG:partial fix, issues remain in Hydro

Change #151 with diff file ISSM-23371-23372.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test101.m
Export determination: 6.
Rationale: BUG:reverting unwanted commit

Change #152 with diff file ISSM-23372-23373.diff:
Function name:

M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp
Export determination: 6.
Rationale: BUG: fixing user included bug

Change #153 with diff file ISSM-23373-23374.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp
Export determination: 6.
Rationale: BUG: fixing AD compilation and many other tests

Change #154 with diff file ISSM-23374-23375.diff:
Function name:
M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.h
Export determination: 6.
Rationale: CHG: minor

Change #155 with diff file ISSM-23375-23376.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: do not show files everytime

Change #156 with diff file ISSM-23376-23377.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp
Export determination: 6.
Rationale: BUG: fixed crash with input not always provided

Change #157 with diff file ISSM-23377-23378.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp

Export determination: 6.
Rationale: CHG: fixing NR

Change #158 with diff file ISSM-23378-23379.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/stallo.m M /issm/trunk-jpl/src/m/classes/clusters/stallo.py
Export determination: 6.
Rationale: CHG:uniformisation of stallo cluster

Change #159 with diff file ISSM-23379-23380.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test455.m M /issm/trunk-jpl/test/NightlyRun/test455.py
Export determination: 6.
Rationale: CHG: Relaxed tolerances

Change #160 with diff file ISSM-23380-23381.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/cores/balancethickness_core.cpp
M /issm/trunk-jpl/src/c/cores/balancevelocity_core.cpp
Export determination: 6.
Rationale: CHG: cosmetics

Change #161 with diff file ISSM-23384-23385.diff:
Function name:
A /issm/trunk-jpl/externalpackages/petsc/install-3.9-macosx64.sh
Export determination: 6.
Rationale: CHG: adding installation script for Denis

Change #162 with diff file ISSM-23387-23388.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/solutionsequences/solutionsequences.cpp

Export determination: 6.

Rationale: CHG: streamlining in EPL activation and dealing with frozen nodes

EffectivPressure

Change #163 with diff file ISSM-23388-23389.diff:

Function name:

A /issm/trunk-jpl/examples/Pig2 A /issm/trunk-jpl/examples/Pig2/DomainOutline.exp

A /issm/trunk-jpl/examples/Pig2/FrontRetreat.exp A /issm/trunk-jpl/examples/Pig2/Models

A /issm/trunk-jpl/examples/Pig2/Pig.par A /issm/trunk-jpl/examples/Pig2/runme.m

Export determination: 6.

Rationale: NEW: new tutorial for NIMS