

JPL EXPORT ADMINISTRATION <i>DOCUMENT REVIEW RECORD</i>
--

Log #: 20496-20544

(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: Apr-25-2016

Document Title/Description: ISSM changes from revision 20496 to revision 20544

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:** Apr-25-2016

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-20496-20497.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.

Rationale: CHG: updating revision number

Change #2 with diff file ISSM-20497-20498.diff:

Function name:

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

Export determination: 6.

Rationale: merged trunk and trunk-jpl

Change #3 with diff file ISSM-20501-20502.diff:

Function name:

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

Export determination: 6.

Rationale: Block revision 20500 from being merged into trunk-jpl

Change #4 with diff file ISSM-20502-20503.diff:

Function name:

M /issm/trunk-jpl/src/m/exp/downstreamflowlines.m M /issm/trunk-jpl/src/m/exp/flowlines.m

Export determination: 6.

Rationale: CHG: speedint up flowlines

Change #5 with diff file ISSM-20503-20504.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am D /issm/trunk-jpl/src/c/modules/TriaSearchx

M /issm/trunk-jpl/src/c/modules/modules.h D /issm/trunk-jpl/src/wrappers/TriaSearch

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

Export determination: 6.

Rationale: DEL: not needed anymore

Change #6 with diff file ISSM-20504-20505.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test211.py M /issm/trunk-jpl/test/NightlyRun/test422.m

M /issm/trunk-jpl/test/NightlyRun/test422.py

Export determination: 6.

Rationale: CHG: relaxed tolerances

Change #7 with diff file ISSM-20505-20506.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: balancethickness works only in 2D, so do not attempt to collapse it from 3D

Change #8 with diff file ISSM-20506-20507.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: too many spaces

Change #9 with diff file ISSM-20508-20509.diff:

Function name:

A /issm/trunk-jpl/jenkins/macosex_pine-island_dakota_static

Export determination: 6.
Rationale: ADD: New Jenkins configuration script for static Dakota binaries.

Change #10 with diff file ISSM-20509-20510.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: better way of dealing with externalpackages

Change #11 with diff file ISSM-20511-20512.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/applyoptions.js M /issm/trunk-jpl/src/m/plot/plot_unit.js
M /issm/trunk-jpl/src/m/plot/processdata.js
Export determination: 6.
Rationale: CHG (javascript): Updating unit plots to handle log scaling. processdata now handle node transients with log scaling.

Change #12 with diff file ISSM-20512-20513.diff:
Function name:
M /issm/trunk-jpl/src/m/exp/flowlines.m
Export determination: 6.
Rationale: BUG: take care of case $v_x=v_y=0$

Change #13 with diff file ISSM-20513-20514.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/applyoptions.js M /issm/trunk-jpl/src/m/plot/plot_unit.js
M /issm/trunk-jpl/src/m/plot/processdata.js
Export determination: 6.
Rationale: CHG (javascript): log option can now be disabled with 'off' value.

Change #14 with diff file ISSM-20514-20515.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_unit.js M /issm/trunk-jpl/src/m/plot/processdata.js

Export determination: 6.

Rationale: CHG (javascript): Resolving options error with incorrect/missing default values.

Change #15 with diff file ISSM-20515-20516.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: from Alex Scott, no need to use dynamic allocation for dbasis, static allocation seems to be much faster

Change #16 with diff file ISSM-20516-20517.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing colorbar

Change #17 with diff file ISSM-20517-20518.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: no need to prevent people from using LSF now

Change #18 with diff file ISSM-20518-20519.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: forcings should only check the first lines

Change #19 with diff file ISSM-20519-20520.diff:

Function name:

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

Export determination: 6.
Rationale: BUG: output time is already in years

Change #20 with diff file ISSM-20520-20521.diff:
Function name:
M /issm/trunk-jpl/src/m/coordsystems/gdaltransform.m
Export determination: 6.
Rationale: CHG: added error message in case transformation did not work

Change #21 with diff file ISSM-20521-20522.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test124.m
Export determination: 6.
Rationale: CHG: relaxing tolerances

Change #22 with diff file ISSM-20522-20523.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/lonestar.m
Export determination: 6.
Rationale: CHG: add email workaround

Change #23 with diff file ISSM-20523-20524.diff:
Function name:
M /issm/trunk-jpl/src/m/coordsystems/gdaltransform.m
Export determination: 6.
Rationale: CHG: faster conversion and more complete documentation

Change #24 with diff file ISSM-20524-20525.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/lonestar.m
Export determination: 6.
Rationale: CHG: add email workaround

Change #25 with diff file ISSM-20525-20526.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test404.m M /issm/trunk-jpl/test/NightlyRun/test404.py

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #26 with diff file ISSM-20526-20527.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixig AD error on python test

Change #27 with diff file ISSM-20527-20528.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3020.py

Export determination: 6.

Rationale: minor

Change #28 with diff file ISSM-20528-20529.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: need to import checkfield

Change #29 with diff file ISSM-20529-20530.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Attempt to fix AD issue relating to missing gfortran symbol in libISSMCore.

Change #30 with diff file ISSM-20530-20531.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh M /issm/trunk-jpl/src/c/Makefile.am
Export determination: 6.
Rationale: CHG: Changed address of wget.

Change #31 with diff file ISSM-20531-20532.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/lonestar.m
Export determination: 6.
Rationale: CHG: minor update to email when job ends

Change #32 with diff file ISSM-20532-20533.diff:
Function name:
M /issm/trunk-jpl/examples/Greenland/runme.m M /issm/trunk-jpl/examples/ISMIP/CheatyRunme.m
M /issm/trunk-jpl/examples/IceBridge/Greenland.par M /issm/trunk-jpl/examples/IceBridge/Greenland_cheat
M /issm/trunk-jpl/examples/IceBridge/Greenland_noOIB.par M /issm/trunk-
jpl/examples/IceBridge/runme.m M /issm/trunk-jpl/examples/IceflowModels/EISMINT.par
M /issm/trunk-jpl/examples/Jakobshavn/Jks.par M /issm/trunk-jpl/examples/Jakobshavn/runme.m
M /issm/trunk-jpl/examples/UncertaintyQuantification/runme.m
Export determination: 6.
Rationale: CHG: update examples for new code

Change #33 with diff file ISSM-20533-20534.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/pfe.m
Export determination: 6.
Rationale: NEW: added new broadband nodes for pleiades

Change #34 with diff file ISSM-20534-20535.diff:
Function name:
M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.m
Export determination: 6.
Rationale: CHG: changed warning to simple display

Change #35 with diff file ISSM-20535-20536.diff:

Function name:

D /issm/trunk-jpl/src/m/exp/downstreamflowlines.m M /issm/trunk-jpl/src/m/exp/flowlines.m

Export determination: 6.

Rationale: CHG: added more options to flowlines, that can now be used to replace downstreamflowlines.m

Change #36 with diff file ISSM-20536-20537.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: add dakota 6 exec to generic_static

Change #37 with diff file ISSM-20537-20538.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing nargin

Change #38 with diff file ISSM-20538-20539.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing downstream option

Change #39 with diff file ISSM-20539-20540.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added checks.

Change #40 with diff file ISSM-20540-20541.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/miscellaneous.m
Export determination: 6.
Rationale: CHG: minor.

Change #41 with diff file ISSM-20541-20542.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/applyoptions.js
Export determination: 6.
Rationale: CHG (javascript): Improving log scaling lables.

Change #42 with diff file ISSM-20542-20543.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_overlay.js
Export determination: 6.
Rationale: CHG (javascript): adding overlay support for mesh3dsurface.

Change #43 with diff file ISSM-20543-20544.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: fixing externalpackages