

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD
---

Log #: 12061-12080

(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:** Jun-1-2012

**Document Title/Description:** ISSM changes from revision 12061 to revision 12080

**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](http://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:** Jun-1-2012



JPL Export Administration Form TBS June 29, 2011

**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-12061-12062.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/modules/TriMeshRiftsx  
(from /issm/trunk-jpl/src/c/modules/TriMeshx:12060) A /issm/trunk-jpl/src/c/modules/TriMeshRiftsx/TriMeshx.h  
(from /issm/trunk-jpl/src/c/modules/TriMeshx/TriMeshx.cpp:12060) A /issm/trunk-jpl/src/c/modules/TriMeshRiftsx/TriMeshRiftsx.h (from /issm/trunk-jpl/src/c/modules/TriMeshx/TriMeshx.cpp:12060) D /issm/trunk-jpl/src/c/modules/TriMeshRiftsx/TriMeshx.cpp D /issm/trunk-jpl/src/c/modules/TriMeshRiftsx/TriMeshx.h M /issm/trunk-jpl/src/c/modules/TriMeshx/TriMeshx.cpp  
Export determination: 6.

Rationale: Added TriMeshRifts (not working yet) M /issm/trunk-jpl/src/m/model/plot/northarrow.m  
allow negative lengths for n. hem

**Change #2** with diff file ISSM-12062-12063.diff:

Function name:

M /issm/trunk-jpl/src/m/model/plot/northarrow.m

Export determination: 6.

Rationale: allow negative lengths for n. hem M /issm/trunk-jpl/src/c/modules/TriMeshRiftsx/TriMeshRiftsx.h  
M /issm/trunk-jpl/src/c/modules/TriMeshRiftsx/TriMeshRiftsx.h M /issm/trunk-jpl/src/c/modules/modules.h Fixed TriMeshRiftsx

**Change #3** with diff file ISSM-12063-12064.diff:

Function name:

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

Export determination: 6.

Rationale: Fixed TriMeshRiftsx M /issm/trunk-jpl/m4/issm\_options.m4 Added python version + better formatting of configure help

**Change #4** with diff file ISSM-12064-12065.diff:

Function name:

M /issm/trunk-jpl/m4/issm\_options.m4

Export determination: 6.

Rationale: Added python version + better formatting of configure help M /issm/trunk-jpl/bin Ignore python files

**Change #5** with diff file ISSM-12065-12066.diff:

Function name:

M /issm/trunk-jpl/bin

Export determination: 6.

Rationale: Ignore python files M /issm/trunk-jpl/startup.py Allow python 2 as wrapper

**Change #6** with diff file ISSM-12066-12067.diff:

Function name:

M /issm/trunk-jpl/startup.py

Export determination: 6.

Rationale: Allow python 2 as wrapper M /issm/trunk-jpl/configs/config-macosx64-larour-bothapis.sh Better configuration file, with python version dependency

**Change #7** with diff file ISSM-12067-12068.diff:

Function name:

M /issm/trunk-jpl/configs/config-macosx64-larour-bothapis.sh

Export determination: 6.

Rationale: Better configuration file, with python version dependency M /issm/trunk-jpl/src/modules/Chaco/Chaco.cpp Fixed OLD segfault in Chaco

**Change #8** with diff file ISSM-12068-12069.diff:

Function name:

M /issm/trunk-jpl/src/modules/Chaco/Chaco.cpp

Export determination: 6.

Rationale: Fixed OLD segfault in Chaco D /issm/trunk-jpl/src/c/python/objects not needed anymore

**Change #9** with diff file ISSM-12069-12070.diff:

Function name:

D /issm/trunk-jpl/src/c/python/objects

Export determination: 6.

Rationale: not needed anymore M /issm/trunk-jpl/src/c/shared/TriMesh/TriMeshUtils.cpp

M /issm/trunk-jpl/src/c/shared/TriMesh/trimesh.h Added assertion in mesh-processriffs for safety

**Change #10** with diff file ISSM-12070-12071.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/TriMesh/TriMeshUtils.cpp M /issm/trunk-jpl/src/c/shared/TriMesh/trimesh

Export determination: 6.

Rationale: Added assertion in meshprocessriffs for safety M /issm/trunk-jpl/src/modules/TriMeshProcessRiffs

M /issm/trunk-jpl/src/modules/TriMeshRiffs/TriMeshRiffs.cpp M /issm/trunk-

jpl/src/modules/TriMeshRiffs/TriMeshRiffs.h Improved TriMeshRiffs, to be merged to TriMesh

**Change #11** with diff file ISSM-12071-12072.diff:

Function name:

M /issm/trunk-jpl/src/modules/TriMeshProcessRifts/TriMeshProcessRifts.cpp

M /issm/trunk-jpl/src/modules/TriMeshRifts/TriMeshRifts.cpp M /issm/trunk-jpl/src/modules/TriMeshRifts/TriMeshRifts.h

Export determination: 6.

Rationale: Improved TriMeshRifts, to be merged to TriMesh M /issm/trunk-jpl/m4/issm\_options.m4 Better handling of python versions

**Change #12** with diff file ISSM-12072-12073.diff:

Function name:

M /issm/trunk-jpl/m4/issm\_options.m4

Export determination: 6.

Rationale: Better handling of python versions M /issm/trunk-jpl/src/c/python/include/python\_macros.h

M /issm/trunk-jpl/src/c/python/io/FetchPythonData.cpp Adapted PYTHON 3.2 API to PYTHON 2.7 API.

**Change #13** with diff file ISSM-12073-12074.diff:

Function name:

M /issm/trunk-jpl/src/c/python/include/python\_macros.h M /issm/trunk-jpl/src/c/python/io/FetchPythonD

Export determination: 6.

Rationale: Adapted PYTHON 3.2 API to PYTHON 2.7 API. M /issm/trunk-jpl/src/c/Makefile.am Need to better handle NPY\_DEPRECATED\_API between 2.7 and 3.2 PYTHON APIs.

**Change #14** with diff file ISSM-12074-12075.diff:

Function name:

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

Export determination: 6.

Rationale: Need to better handle NPY\_DEPRECATED\_API between 2.7 and 3.2 PYTHON APIs. M /issm/trunk-jpl/src/Makefile.am M /issm/trunk-jpl/src/modules/python/Makefile.am M /issm/trunk-jpl/src/py A /issm/trunk-jpl/src/py/Makefile.am M /issm/trunk-jpl/src/py/model A /issm/trunk-jpl/src/py/model/Makefile.am A /issm/trunk-jpl/src/py/model/petscversion.2.py Handle version 2 vs 3 for python scripts. Prototype.

**Change #15** with diff file ISSM-12075-12076.diff:

Function name:

M /issm/trunk-jpl/src/Makefile.am M /issm/trunk-jpl/src/modules/python/Makefile.am

M /issm/trunk-jpl/src/py A /issm/trunk-jpl/src/py/Makefile.am M /issm/trunk-jpl/src/py/model A /issm/trunk-jpl/src/py/model/Makefile.am A /issm/trunk-jpl/src/py/model/petscversion.2.py

Export determination: 6.

Rationale: Handle version 2 vs 3 for python scripts. Prototype. M /issm/trunk-jpl/configure.ac Prototype handling of 2.7 vs 3.2 versions of PYTHON scripts

**Change #16** with diff file ISSM-12076-12077.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.

Rationale: Prototype handling of 2.7 vs 3.2 versions of PYTHON scripts D /issm/trunk-jpl/src/py/model/petscversion.py Superseded by petscversion.2.py

**Change #17** with diff file ISSM-12077-12078.diff:

Function name:

D /issm/trunk-jpl/src/py/model/petscversion.py

Export determination: 6.

Rationale: Superseded by petscversion.2.py M /issm/trunk-jpl/src/c/include/macros.h

M /issm/trunk-jpl/src/c/matlab/include/matlab\_macros.h M /issm/trunk-jpl/src/c/shared/Exceptions/Exceptions.h

M /issm/trunk-jpl/src/c/shared/Exceptions/exceptions.h Better error handling for matlab modules

**Change #18** with diff file ISSM-12078-12079.diff:

Function name:

M /issm/trunk-jpl/src/c/include/macros.h M /issm/trunk-jpl/src/c/matlab/include/matlab\_macros.h

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

Export determination: 6.

Rationale: Better error handling for matlab modules M /issm/trunk-jpl/src/c/shared/Exceptions/exceptions.h  
revert to private properties

**Change #19** with diff file ISSM-12079-12080.diff:

Function name:

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

Export determination: 6.

Rationale: revert to private properties M /issm/trunk-jpl/src/c/shared/TriMesh/SplitMeshForRifts.cpp

M /issm/trunk-jpl/src/c/shared/TriMesh/TriMeshUtils.cpp M /issm/trunk-jpl/src/c/shared/TriMesh/trimesh

Reorganizing and adding assertion for safety