

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD
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Log #: 11767-11785

(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-16-2012

**Document Title/Description:** ISSM changes from revision 11767 to revision 11785

**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:** Apr-16-2012



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)

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**Change #1** with diff file ISSM-11767-11768.diff:

Function name:

M /issm/trunk-jpl/externalpackages/metis/configs/4.0/altix64/Makefile.in.patch  
M /issm/trunk-jpl/externalpackages/metis/configs/4.0/cosmos/Makefile.in.patch  
M /issm/trunk-jpl/externalpackages/metis/configs/4.0/greenplanet/Makefile.in.patch  
M /issm/trunk-jpl/externalpackages/metis/configs/4.0/macosx32/Makefile.in.patch  
M /issm/trunk-jpl/externalpackages/metis/configs/4.0/macosx64/Makefile.in.patch  
M /issm/trunk-jpl/externalpackages/metis/configs/4.0/pleiades/Makefile.in.patch  
M /issm/trunk-jpl/externalpackages/metis/configs/4.0/win32/Makefile.in.patch  
M /issm/trunk-jpl/externalpackages/metis/configs/4.0/win7/Makefile.in.patch

Export determination: 6.

Rationale: Fixed all patches A /issm/trunk-jpl/configs/config-linux64-murdo-nopetsc.sh Trying nightly runs for gsl configuration

**Change #2** with diff file ISSM-11768-11769.diff:

Function name:

A /issm/trunk-jpl/configs/config-linux64-murdo-nopetsc.sh

Export determination: 6.

Rationale: Trying nightly runs for gsl configuration M /issm/trunk-jpl/src/c/objects/Numerics/Vector.cpp cosmetics

**Change #3** with diff file ISSM-11769-11770.diff:

Function name:

M /issm/trunk-jpl/src/c/objects/Numerics/Vector.cpp

Export determination: 6.

Rationale: cosmetics

**Change #4** with diff file ISSM-11770-11771.diff:

Function name:

M /issm/trunk-jpl/src/android/HelloWorldProject/build.xml A /issm/trunk-jpl/src/android/HelloWorldProject/gen A /issm/trunk-jpl/src/android/HelloWorldProject/gen/R.java.d  
A /issm/trunk-jpl/src/android/HelloWorldProject/gen/com A /issm/trunk-jpl/src/android/HelloWorldProject/gen/com/example/helloworld  
A /issm/trunk-jpl/src/android/HelloWorldProject/gen/com/example/helloworld/R.java

D /issm/trunk-jpl/src/android/HelloWorldProject/local.properties A /issm/trunk-jpl/src/android/HelloWorldProject/makefile A /issm/trunk-jpl/src/android/two-libs A /issm/trunk-jpl/src/android/two-libs/AndroidManifest.xml A /issm/trunk-jpl/src/android/two-libs/bin A /issm/trunk-jpl/src/android/two-libs/bin/build.prop A /issm/trunk-jpl/src/android/two-libs/bin/classes A /issm/trunk-jpl/src/android/two-libs/bin/classes/com A /issm/trunk-jpl/src/android/two-libs/bin/classes/com/example A /issm/trunk-jpl/src/android/two-libs/bin/classes/com/example/twolibs A /issm/trunk-jpl/src/android/two-libs/bin/classes/com/example/twolibs/Rattr.class A /issm/trunk-jpl/src/android/two-libs/bin/classes/com/example/twolibs/Rstring.class A /issm/trunk-jpl/src/android/two-libs/bin/classes/com/example/twolibs/R.class A /issm/trunk-jpl/src/android/two-libs/bin/classes/com/example/twolibs/TwoLibs.class A /issm/trunk-jpl/src/android/two-libs/bin/classes.dex A /issm/trunk-jpl/src/android/two-libs/bin/classes.dex.d A /issm/trunk-jpl/src/android/two-libs/bin/res A /issm/trunk-jpl/src/android/two-libs/bin/two-libs-debug-unaligned.apk A /issm/trunk-jpl/src/android/two-libs/bin/two-libs-debug-unaligned.apk.d A /issm/trunk-jpl/src/android/two-libs/bin/two-libs-debug.apk A /issm/trunk-jpl/src/android/two-libs/bin/two-libs.ap\_ A /issm/trunk-jpl/src/android/two-libs/bin/two-libs.ap\_.d A /issm/trunk-jpl/src/android/two-libs/build.xml A /issm/trunk-jpl/src/android/two-libs/gen A /issm/trunk-jpl/src/android/two-libs/gen/R.java.d A /issm/trunk-jpl/src/android/two-libs/gen/com A /issm/trunk-jpl/src/android/two-libs/gen/com/example A /issm/trunk-jpl/src/android/two-libs/gen/com/example/twolibs A /issm/trunk-jpl/src/android/two-libs/gen/com/example/twolibs/R.java A /issm/trunk-jpl/src/android/two-libs/jni A /issm/trunk-jpl/src/android/two-libs/jni/Android.mk A /issm/trunk-jpl/src/android/two-libs/jni/first.c A /issm/trunk-jpl/src/android/two-libs/jni/first.h A /issm/trunk-jpl/src/android/two-libs/jni/second.c A /issm/trunk-jpl/src/android/two-libs/libs A /issm/trunk-jpl/src/android/two-libs/libs/armeabi A /issm/trunk-jpl/src/android/two-libs/obj A /issm/trunk-jpl/src/android/two-libs/obj/local A /issm/trunk-jpl/src/android/two-libs/obj/local/armeabi A /issm/trunk-jpl/src/android/two-libs/obj/local/armeabi/objs A /issm/trunk-jpl/src/android/two-libs/obj/local/armeabi/objs/twolib-first A /issm/trunk-jpl/src/android/two-libs/obj/local/armeabi/objs/twolib-first/first.o.d A /issm/trunk-jpl/src/android/two-libs/obj/local/armeabi/objs/twolib-second A /issm/trunk-jpl/src/android/two-libs/obj/local/armeabi/objs/twolib-second/second.o.d A /issm/trunk-jpl/src/android/two-libs/proguard.cfg A /issm/trunk-jpl/src/android/two-libs/project.properties A /issm/trunk-jpl/src/android/two-libs/res A /issm/trunk-jpl/src/android/two-libs/res/values A /issm/trunk-jpl/src/android/two-libs/res/values/strings.xml A /issm/trunk-jpl/src/android/two-libs/src A /issm/trunk-jpl/src/android/two-libs/src/com A /issm/trunk-jpl/src/android/two-libs/src/com/example A /issm/trunk-jpl/src/android/two-libs/src/com/example/twolibs A /issm/trunk-jpl/src/android/two-libs/src/com/example/twolibs/TwoLibs.java A /issm/trunk-jpl/src/android/two-libs/tests A /issm/trunk-jpl/src/android/two-libs/tests/AndroidManifest.xml A /issm/trunk-jpl/src/android/two-libs/tests/default.properties A /issm/trunk-jpl/src/android/two-libs/tests/src A /issm/trunk-jpl/src/android/two-libs/tests/src/com A /issm/trunk-jpl/src/android/two-libs/tests/src/com/example A /issm/trunk-jpl/src/android/two-libs/tests/src/com/example/TwoLib A /issm/trunk-jpl/src/android/two-libs/tests/src/com/example/TwoLib
Export determination: 6.
Rationale: Added the two-libs project and makefile for helloworld.

**Change #5** with diff file ISSM-11771-11772.diff:

Function name:

M /issm/trunk-jpl/src/android/HelloWorldProject/build.xml A /issm/trunk-jpl/src/android/HelloWorldProject/gen A /issm/trunk-jpl/src/android/HelloWorldProject/gen/R.java.d  
A /issm/trunk-jpl/src/android/HelloWorldProject/gen/com A /issm/trunk-jpl/src/android/HelloWorldProject/gen/com/example/helloworld  
A /issm/trunk-jpl/src/android/HelloWorldProject/gen/com/example/helloworld/R.java  
D /issm/trunk-jpl/src/android/HelloWorldProject/local.properties A /issm/trunk-jpl/src/android/HelloWorldProject/makefile A /issm/trunk-jpl/src/android/two-libs A /issm/trunk-jpl/src/android/two-libs/AndroidManifest.xml A /issm/trunk-jpl/src/android/two-libs/bin A /issm/trunk-jpl/src/android/two-libs/bin/build.prop  
A /issm/trunk-jpl/src/android/two-libs/bin/classes A /issm/trunk-jpl/src/android/two-libs/bin/classes/com A /issm/trunk-jpl/src/android/two-libs/bin/classes/com/example  
A /issm/trunk-jpl/src/android/two-libs/bin/classes/com/example/twolibs A /issm/trunk-jpl/src/android/two-libs/bin/classes/com/example/twolibs/Rattr.class A /issm/trunk-jpl/src/android/two-libs/bin/classes/com/example/twolibs/Rstring.class A /issm/trunk-jpl/src/android/two-libs/bin/classes/com/example/twolibs/R.class  
A /issm/trunk-jpl/src/android/two-libs/bin/classes/com/example/twolibs/TwoLibs.class  
A /issm/trunk-jpl/src/android/two-libs/bin/classes.dex A /issm/trunk-jpl/src/android/two-libs/bin/classes.dex.d A /issm/trunk-jpl/src/android/two-libs/bin/res A /issm/trunk-jpl/src/android/two-libs/bin/two-libs-debug-unaligned.apk A /issm/trunk-jpl/src/android/two-libs/bin/two-libs-debug-unaligned.apk.d A /issm/trunk-jpl/src/android/two-libs/bin/two-libs-debug.apk A /issm/trunk-jpl/src/android/two-libs/bin/two-libs.ap\_ A /issm/trunk-jpl/src/android/two-libs/bin/two-libs.ap\_.d A /issm/trunk-jpl/src/android/two-libs/build.xml A /issm/trunk-jpl/src/android/two-libs/gen A /issm/trunk-jpl/src/android/two-libs/gen/R.java.d A /issm/trunk-jpl/src/android/two-libs/gen/com A /issm/trunk-jpl/src/android/two-libs/gen/com/example A /issm/trunk-jpl/src/android/two-libs/gen/com/example/twolibs A /issm/trunk-jpl/src/android/two-libs/gen/com/example/twolibs/R.java  
A /issm/trunk-jpl/src/android/two-libs/jni A /issm/trunk-jpl/src/android/two-libs/jni/Android.mk A /issm/trunk-jpl/src/android/two-libs/jni/first.c A /issm/trunk-jpl/src/android/two-libs/jni/first.h A /issm/trunk-jpl/src/android/two-libs/jni/second.c  
A /issm/trunk-jpl/src/android/two-libs/libs A /issm/trunk-jpl/src/android/two-libs/libs/armeabi A /issm/trunk-jpl/src/android/two-libs/obj A /issm/trunk-jpl/src/android/two-libs/obj/local A /issm/trunk-jpl/src/android/two-libs/obj/local/armeabi  
A /issm/trunk-jpl/src/android/two-libs/obj/local/armeabi/objs A /issm/trunk-jpl/src/android/two-libs/obj/local/armeabi/objs/twolib-first A /issm/trunk-jpl/src/android/two-libs/obj/local/armeabi/objs/twolib-first/first.o.d A /issm/trunk-jpl/src/android/two-libs/obj/local/armeabi/objs/twolib-second A /issm/trunk-jpl/src/android/two-libs/obj/local/armeabi/objs/twolib-second/second.o.d A /issm/trunk-jpl/src/android/two-libs/proguard.cfg A /issm/trunk-jpl/src/android/two-libs/project.properties A /issm/trunk-jpl/src/android/two-libs/res A /issm/trunk-jpl/src/android/two-libs/res/values A /issm/trunk-jpl/src/android/two-libs/res/values/strings.xml  
A /issm/trunk-jpl/src/android/two-libs/src A /issm/trunk-jpl/src/android/two-libs/src/com A /issm/trunk-jpl/src/android/two-libs/src/com/example A /issm/trunk-jpl/src/android/two-libs/src/com/example/twolibs A /issm/trunk-jpl/src/android/two-

libs/src/com/example/twolibs/TwoLibs.java A /issm/trunk-jpl/src/android/two-libs/tests A /issm/trunk-jpl/src/android/two-libs/tests/AndroidManifest.xml A /issm/trunk-jpl/src/android/two-libs/tests/default.properties A /issm/trunk-jpl/src/android/two-libs/tests/src A /issm/trunk-jpl/src/android/two-libs/tests/src/com A /issm/trunk-jpl/src/android/two-libs/tests/src/com/example A /issm/trunk-jpl/src/android/two-libs/tests/src/com/example/TwoLib A /issm/trunk-jpl/src/android/two-libs/tests/src/com/example/TwoLib  
Export determination: 6.  
Rationale: Added the two-libs project and makefile for helloworld. M /issm/trunk-jpl/test/NightlyRun/test140.m updated Waterfraction tolerance

**Change #6** with diff file ISSM-11772-11773.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test140.m

Export determination: 6.

Rationale: updated Waterfraction tolerance A /issm/trunk-jpl/externalpackages/gsl/install-linux64-murdo.sh Needed for murdo

**Change #7** with diff file ISSM-11773-11774.diff:

Function name:

A /issm/trunk-jpl/externalpackages/gsl/install-linux64-murdo.sh

Export determination: 6.

Rationale: Needed for murdo M /issm/trunk-jpl/src/m/utils/Exp/manipulation

M /issm/trunk-jpl/src/m/utils/Exp/readwrite Ignoring Makefile.in

**Change #8** with diff file ISSM-11774-11775.diff:

Function name:

M /issm/trunk-jpl/src/m/utils/Exp/manipulation M /issm/trunk-jpl/src/m/utils/Exp/readwrite

Export determination: 6.

Rationale: Ignoring Makefile.in A /issm/trunk-jpl/cron/configs/linux64\_larour\_gsl

Nightly run configuration to test GSL support

**Change #9** with diff file ISSM-11775-11776.diff:

Function name:

A /issm/trunk-jpl/cron/configs/linux64\_larour\_gsl

Export determination: 6.

Rationale: Nightly run configuration to test GSL support M /issm/trunk-jpl/cron/configs/linux64\_larour\_gsl Reducing test decks

**Change #10** with diff file ISSM-11776-11777.diff:

Function name:

M /issm/trunk-jpl/cron/configs/linux64\_larour\_gsl

Export determination: 6.

Rationale: Reducing test decks M /issm/trunk-jpl/src/c/objects/Numerics/Matrix.cpp forgot to return output in Duplicate

**Change #11** with diff file ISSM-11777-11778.diff:

Function name:  
M /issm/trunk-jpl/src/c/objects/Numerics/Matrix.cpp  
Export determination: 6.  
Rationale: forgot to return output in Duplicate

**Change #12** with diff file ISSM-11779-11780.diff:  
Function name:  
M /issm/trunk-jpl/src/m/model/plot/plot\_contour.m  
Export determination: 6.  
Rationale: Fixing contour when log is activated

**Change #13** with diff file ISSM-11780-11781.diff:  
Function name:  
M /issm/trunk-jpl/src/m/model/plot/plot\_contour.m  
Export determination: 6.  
Rationale: Fixing contour when log is activated M /issm/trunk-jpl/src/m/model/plot/plot\_overlay.m  
Added possibility of changing radar background from black to white

**Change #14** with diff file ISSM-11781-11782.diff:  
Function name:  
M /issm/trunk-jpl/src/m/model/plot/plot\_overlay.m  
Export determination: 6.  
Rationale: Added possibility of changing radar background from black to white  
A /issm/trunk-jpl/externalpackages/scipy A /issm/trunk-jpl/externalpackages/scipy/README  
A /issm/trunk-jpl/externalpackages/scipy/install-macosx64.sh Python scipy package

**Change #15** with diff file ISSM-11782-11783.diff:  
Function name:  
A /issm/trunk-jpl/externalpackages/scipy A /issm/trunk-jpl/externalpackages/scipy/README  
A /issm/trunk-jpl/externalpackages/scipy/install-macosx64.sh  
Export determination: 6.  
Rationale: Python scipy package

**Change #16** with diff file ISSM-11783-11784.diff:  
Function name:  
A /issm/trunk-jpl/externalpackages/nose A /issm/trunk-jpl/externalpackages/nose/install-macosx64sh  
Export determination: 6.  
Rationale: nose package, needed for numpy and scipy

**Change #17** with diff file ISSM-11784-11785.diff:  
Function name:  
A /issm/trunk-jpl/externalpackages/nose A /issm/trunk-jpl/externalpackages/nose/install-macosx64sh  
Export determination: 6.

Rationale: nose package, needed for numpy and scipy M /issm/trunk-jpl/src/m/model/plot/plot\_tensor.m  
tensor components now in md.results