

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD

Log #: 12281-12300

(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 12281 to revision 12300

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:** 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-12281-12282.diff:

Function name:

M /issm/trunk-jpl/src/m/model/marshall.m

Export determination: 6.

Rationale: typo M /issm/trunk-jpl/src/c/Container/Observations.cpp M /issm/trunk-jpl/src/c/objects/Kriging/GaussianVariogram.cpp minor: better deal with nobs=0

Change #2 with diff file ISSM-12282-12283.diff:

Function name:

M /issm/trunk-jpl/src/c/Container/Observations.cpp M /issm/trunk-jpl/src/c/objects/Kriging/GaussianVariogram.cpp

Export determination: 6.

Rationale: minor: better deal with nobs=0

Change #3 with diff file ISSM-12286-12287.diff:

Function name:

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

Export determination: 6.

Rationale: Added gslib

Change #4 with diff file ISSM-12287-12288.diff:

Function name:

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

Export determination: 6.

Rationale: Added gslib M /issm/trunk-jpl/externalpackages/gslib/install.sh minor

Change #5 with diff file ISSM-12288-12289.diff:

Function name:

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

Export determination: 6.

Rationale: minor M /issm/trunk-jpl/src/c/Container/Observations.cpp M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp M /issm/trunk-jpl/src/c/objects/Kriging/ExponentialVariogram.cpp M /issm/trunk-jpl/src/c/objects/Kriging/ExponentialVariogram.h M /issm/trunk-jpl/src/c/objects/Kriging/GaussianVariogram.cpp M /issm/trunk-jpl/src/c/objects/Kriging/GaussianVariogram.h

M /issm/trunk-jpl/src/c/objects/Kriging/PowerVariogram.cpp M /issm/trunk-jpl/src/c/objects/Kriging/PowerVariogram.h M /issm/trunk-jpl/src/c/objects/Kriging/SphericalVariogram.cpp M /issm/trunk-jpl/src/c/objects/Kriging/SphericalVariogram.h M /issm/trunk-jpl/src/c/objects/Kriging/Variogram.h D /issm/trunk-jpl/src/c/shared/Sorting/Quicksort.c M /issm/trunk-jpl/src/c/shared/Sorting/binary_search.cpp M /issm/trunk-jpl/src/c/shared/Sorting/sorting.h Added Covariance for Kriging calculation (similar to gslib)

Change #6 with diff file ISSM-12289-12290.diff:

Function name:

M /issm/trunk-jpl/src/c/Container/Observations.cpp M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp M /issm/trunk-jpl/src/c/objects/Kriging/ExponentialVariogram.cpp M /issm/trunk-jpl/src/c/objects/Kriging/ExponentialVariogram.h M /issm/trunk-jpl/src/c/objects/Kriging/GaussianVariogram.cpp M /issm/trunk-jpl/src/c/objects/Kriging/GaussianVariogram.h M /issm/trunk-jpl/src/c/objects/Kriging/PowerVariogram.cpp M /issm/trunk-jpl/src/c/objects/Kriging/PowerVariogram.h M /issm/trunk-jpl/src/c/objects/Kriging/SphericalVariogram.cpp M /issm/trunk-jpl/src/c/objects/Kriging/SphericalVariogram.h M /issm/trunk-jpl/src/c/objects/Kriging/Variogram.h D /issm/trunk-jpl/src/c/shared/Sorting/Quicksort.c M /issm/trunk-jpl/src/c/shared/Sorting/binary_search.cpp M /issm/trunk-jpl/src/c/shared/Sorting/sorting.h

Export determination: 6.

Rationale: Added Covariance for Kriging calculation (similar to gslib) A /issm/trunk-jpl/src/m/utis/DataProcessing/gslib.m Added gslib routine to call gslib from matlab

Change #7 with diff file ISSM-12290-12291.diff:

Function name:

A /issm/trunk-jpl/src/m/utis/DataProcessing/gslib.m

Export determination: 6.

Rationale: Added gslib routine to call gslib from matlab M /issm/trunk-jpl/src/m/utis/DataProcessing/gslib.m minor

Change #8 with diff file ISSM-12291-12292.diff:

Function name:

M /issm/trunk-jpl/src/m/utis/DataProcessing/gslib.m

Export determination: 6.

Rationale: minor M /issm/trunk-jpl/src/c/Container/Observations.cpp M /issm/trunk-jpl/src/c/Container/Observations.h M /issm/trunk-jpl/src/c/Container/Options.cpp M /issm/trunk-jpl/src/c/Container/Options.h M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.h M /issm/trunk-jpl/src/c/objects/Kriging/GaussianVariogram.cpp M /issm/trunk-jpl/src/c/objects/Options/Option.h M /issm/trunk-jpl/src/c/objects/Options/OptionCell.h M /issm/trunk-jpl/src/c/objects/Options/OptionChar.h M /issm/trunk-jpl/src/c/objects/Options/OptionDouble.h M /issm/trunk-jpl/src/c/objects/Options/OptionInt.h M /issm/trunk-jpl/src/c/objects/Options/OptionStruct.h M /issm/trunk-jpl/src/c/shared/Threads/LaunchThread.h Added mindata and maxdata options to Kriging

Change #9 with diff file ISSM-12292-12293.diff:

Function name:

M /issm/trunk-jpl/src/c/Container/Observations.cpp M /issm/trunk-jpl/src/c/Container/Observations.h
M /issm/trunk-jpl/src/c/Container/Options.cpp M /issm/trunk-jpl/src/c/Container/Options.h
M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.h
M /issm/trunk-jpl/src/c/objects/Kriging/GaussianVariogram.cpp M /issm/trunk-jpl/src/c/objects/Kriging/GaussianVariogram.h
M /issm/trunk-jpl/src/c/objects/Options/Option.h M /issm/trunk-jpl/src/c/objects/Options/OptionCell.h
M /issm/trunk-jpl/src/c/objects/Options/OptionChar.h M /issm/trunk-jpl/src/c/objects/Options/OptionDouble.h
M /issm/trunk-jpl/src/c/objects/Options/OptionDouble.h M /issm/trunk-jpl/src/c/objects/Options/OptionInt.h
M /issm/trunk-jpl/src/c/objects/Options/OptionStruct.h M /issm/trunk-jpl/src/c/shared/Threads/LaunchThread.h
Export determination: 6.

Rationale: Added mindata and maxdata options to Kriging

Change #10 with diff file ISSM-12297-12298.diff:

Function name:

M /issm/trunk-jpl/src/c/Container/Observations.cpp M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.cpp
M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.h M /issm/trunk-jpl/src/modules/Kriging/Kriging.cpp
Export determination: 6.

Rationale: Added many options to Kriging now equivalent to gslib

Change #11 with diff file ISSM-12298-12299.diff:

Function name:

M /issm/trunk-jpl/src/c/Container/Observations.cpp M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.cpp
M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.h M /issm/trunk-jpl/src/modules/Kriging/Kriging.cpp
Export determination: 6.

Rationale: Added many options to Kriging now equivalent to gslib