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| JPL EXPORT ADMINISTRATION<br>DOCUMENT REVIEW RECORD |
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Log #: 11501-11509

(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:** Feb-23-2012

**Document Title/Description:** ISSM changes from revision 11501 to revision 11509

**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:** Feb-23-2012



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-11501-11502.diff:

Function name:

M /issm/trunk-jpl/src/m/model/plot/plot\_riftrelvel.m M /issm/trunk-jpl/src/m/model/plot/plot\_riftvel.m

Export determination: 6.

Rationale: deleted references to numrifts in plot calls

**Change #2** with diff file ISSM-11502-11503.diff:

Function name:

M /issm/trunk-jpl/src/m/model/plot/plot\_riftrelvel.m M /issm/trunk-jpl/src/m/model/plot/plot\_riftvel.m

Export determination: 6.

Rationale: deleted references to numrifts in plot calls

**Change #3** with diff file ISSM-11503-11504.diff:

Function name:

M /issm/trunk-jpl/externalpackages/tao/install.sh A /issm/trunk-jpl/externalpackages/tao/tao-2.0-p3.tar.gz D /issm/trunk-jpl/externalpackages/tao/tao-2.0.tar.gz

Export determination: 6.

Rationale: installing tao 2.0-p3, which fixes some bugs from the previous release (line search failure did not stop the optimization)

**Change #4** with diff file ISSM-11504-11505.diff:

Function name:

M /issm/trunk-jpl/externalpackages/tao/install.sh A /issm/trunk-jpl/externalpackages/tao/tao-2.0-p3.tar.gz D /issm/trunk-jpl/externalpackages/tao/tao-2.0.tar.gz

Export determination: 6.

Rationale: installing tao 2.0-p3, which fixes some bugs from the previous release (line search failure did not stop the optimization) M /issm/trunk-jpl/configure.ac Added silent-rule in configure.ac for a cleaner compilation, this requires to reinstall automake and autoconf, as this was not supported by the previous versions

**Change #5** with diff file ISSM-11505-11506.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.

Rationale: Added silent-rule in configure.ac for a cleaner compilation, this requires to reinstall automake and autoconf, as this was not supported by the previous versions D /issm/trunk-jpl/src/m/utls/Meca/effective\_value.m D /issm/trunk-jpl/src/m/utls/Meca/glen\_coefficients.m removed useless matlab routines

**Change #6** with diff file ISSM-11506-11507.diff:

Function name:

D /issm/trunk-jpl/src/m/utls/Meca/effective\_value.m D /issm/trunk-jpl/src/m/utls/Meca/glen\_coefficients.m

Export determination: 6.

Rationale: removed useless matlab routines D /issm/trunk-jpl/doc A /issm/trunk-jpl/src/m/utls/Miscellaneous/issmdoc.m (from /issm/trunk-jpl/doc/issmdoc.m:11499) moved issmdoc to utls

**Change #7** with diff file ISSM-11507-11508.diff:

Function name:

D /issm/trunk-jpl/doc A /issm/trunk-jpl/src/m/utls/Miscellaneous/issmdoc.m

(from /issm/trunk-jpl/doc/issmdoc.m:11499)

Export determination: 6.

Rationale: moved issmdoc to utls M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/objects/Elements/Element.h M /issm/trunk-jpl/src/c/objects/Elements/Penta.cpp M /issm/trunk-jpl/src/c/objects/Elements/Penta.h M /issm/trunk-jpl/src/c/objects/Elements/Tria.cpp M /issm/trunk-jpl/src/c/objects/Elements/Tria.h added PositiveDegreeDay module

**Change #8** with diff file ISSM-11508-11509.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/objects/Elements/Element.h

M /issm/trunk-jpl/src/c/objects/Elements/Penta.cpp M /issm/trunk-jpl/src/c/objects/Elements/Penta.h

M /issm/trunk-jpl/src/c/objects/Elements/Tria.cpp M /issm/trunk-jpl/src/c/objects/Elements/Tria.h

Export determination: 6.

Rationale: added PositiveDegreeDay module M /issm/trunk-jpl/src/c/EnumDefinitions/EnumDefinitions.h M /issm/trunk-jpl/src/c/EnumDefinitions/EnumToModelField.cpp M /issm/trunk-jpl/src/c/modules/EnumToStringx/EnumToStringx.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/UpdateElementsDiagnosticVert.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/UpdateElementsMelting.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/UpdateElementsPrognostic.cpp M /issm/trunk-jpl/src/c/modules/StringToEnumx/StringToEnumx.cpp M /issm/trunk-jpl/src/c/shared/Numerics/UnitConversion.cpp M /issm/trunk-jpl/src/m/classes/model/model.m M /issm/trunk-jpl/src/m/classes/surfaceforcings.m D /issm/trunk-jpl/src/m/enum/SurfaceforcingsAblationRateEnum.m A /issm/trunk-jpl/src/m/enum/SurfaceforcingsAccumulationRateEnum.m A /issm/trunk-jpl/src/m/enum/SurfaceforcingsPrecipitationEnum.m M /issm/trunk-jpl/src/m/model/extrude.m M /issm/trunk-jpl/src/m/utls/BC/SetIceSheetBC.m M /issm/trunk-jpl/src/m/utls/BC/SetIceShelfBC.m M /issm/trunk-jpl/src/m/utls/BC/SetMarineIceSheetBC.m moved AccumulationRate to Precepitation for PDD and removed ablation\_rate never used

