

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD
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Log #: 11841-11860

(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 11841 to revision 11860

**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-11841-11842.diff:

Function name:

M /issm/trunk-jpl/externalpackages/nose/install-macosx64sh

Export determination: 6.

Rationale: nose package M /issm/trunk-jpl/externalpackages/modelE modelE ignore src and install directories

**Change #2** with diff file ISSM-11842-11843.diff:

Function name:

M /issm/trunk-jpl/externalpackages/modelE

Export determination: 6.

Rationale: modelE ignore src and install directories M /issm/trunk-jpl/src/c/Container/Options.cpp

M /issm/trunk-jpl/src/c/Container/Options.h M /issm/trunk-jpl/src/c/Container/Results.cpp

M /issm/trunk-jpl/src/c/Container/Results.h M /issm/trunk-jpl/src/c/include/types.h

M /issm/trunk-jpl/src/c/io/Matlab/FetchMatlabData.cpp M /issm/trunk-jpl/src/c/io/Matlab/OptionParse.c

M /issm/trunk-jpl/src/c/io/Matlab/WriteMatlabData.cpp M /issm/trunk-jpl/src/c/io/Matlab/matlabio.h

M /issm/trunk-jpl/src/c/io/PrintfFunction.cpp M /issm/trunk-jpl/src/c/io/io.h

M /issm/trunk-jpl/src/c/modules/Dakotax/Dakotax.cpp M /issm/trunk-jpl/src/c/modules/Dakotax/Dakotax

M /issm/trunk-jpl/src/c/modules/Dakotax/SpawnCore.cpp M /issm/trunk-jpl/src/c/modules/Dakotax/Spawn

M /issm/trunk-jpl/src/c/modules/InterpFromGridToMeshx/InterpFromGridToMeshx.h

M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh3dx/InterpFromMeshToMesh3dx.h

M /issm/trunk-jpl/src/c/modules/OutputResultsx/OutputResultsx.cpp M /issm/trunk-

jpl/src/c/modules/OutputResultsx/OutputResultsx.h M /issm/trunk-jpl/src/c/objects/Bamg/BamgGeom.cp

M /issm/trunk-jpl/src/c/objects/Bamg/BamgGeom.h M /issm/trunk-jpl/src/c/objects/Bamg/BamgMesh.cp

M /issm/trunk-jpl/src/c/objects/Bamg/BamgMesh.h M /issm/trunk-jpl/src/c/objects/Bamg/BamgOpts.cpp

M /issm/trunk-jpl/src/c/objects/Bamg/BamgOpts.h M /issm/trunk-jpl/src/c/objects/ExternalResults/Bool

M /issm/trunk-jpl/src/c/objects/ExternalResults/BoolExternalResult.h M /issm/trunk-

jpl/src/c/objects/ExternalResults/DoubleExternalResult.cpp M /issm/trunk-

jpl/src/c/objects/ExternalResults/DoubleExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults,

M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleMatExternalResult.h

M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleVecExternalResult.cpp

M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleVecExternalResult.h

M /issm/trunk-jpl/src/c/objects/ExternalResults/ExternalResult.h M /issm/trunk-

jpl/src/c/objects/ExternalResults/IntExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/I

M /issm/trunk-jpl/src/c/objects/ExternalResults/PetscVecExternalResult.cpp  
M /issm/trunk-jpl/src/c/objects/ExternalResults/PetscVecExternalResult.h M  
/issm/trunk-jpl/src/c/objects/ExternalResults/StringExternalResult.cpp M /issm/trunk-  
jpl/src/c/objects/ExternalResults/StringExternalResult.h M /issm/trunk-jpl/src/c/objects/Numerics/Matrix  
M /issm/trunk-jpl/src/c/objects/Numerics/Matrix.h M /issm/trunk-jpl/src/c/objects/Numerics/Vector.cpp  
M /issm/trunk-jpl/src/c/objects/Numerics/Vector.h M /issm/trunk-jpl/src/c/objects/OptArgs.h  
M /issm/trunk-jpl/src/c/objects/Params/BoolParam.cpp M /issm/trunk-jpl/src/c/objects/Params/BoolPara  
M /issm/trunk-jpl/src/c/objects/Params/DoubleMatArrayParam.cpp M /issm/trunk-  
jpl/src/c/objects/Params/DoubleMatArrayParam.h M /issm/trunk-jpl/src/c/objects/Params/DoubleMatPar  
M /issm/trunk-jpl/src/c/objects/Params/DoubleMatParam.h M /issm/trunk-  
jpl/src/c/objects/Params/DoubleParam.cpp M /issm/trunk-jpl/src/c/objects/Params/DoubleParam.h  
M /issm/trunk-jpl/src/c/objects/Params/DoubleTransientMatParam.h M /issm/trunk-  
jpl/src/c/objects/Params/DoubleVecParam.cpp M /issm/trunk-jpl/src/c/objects/Params/DoubleVecParam.h  
M /issm/trunk-jpl/src/c/objects/Params/FileParam.cpp M /issm/trunk-jpl/src/c/objects/Params/FileParam  
M /issm/trunk-jpl/src/c/objects/Params/IntMatParam.cpp M /issm/trunk-jpl/src/c/objects/Params/IntMat  
M /issm/trunk-jpl/src/c/objects/Params/IntParam.cpp M /issm/trunk-jpl/src/c/objects/Params/IntParam.h  
M /issm/trunk-jpl/src/c/objects/Params/IntVecParam.cpp M /issm/trunk-jpl/src/c/objects/Params/IntVecP  
M /issm/trunk-jpl/src/c/objects/Params/MatrixParam.cpp M /issm/trunk-jpl/src/c/objects/Params/Matrix  
M /issm/trunk-jpl/src/c/objects/Params/Param.h M /issm/trunk-jpl/src/c/objects/Params/StringArrayPara  
M /issm/trunk-jpl/src/c/objects/Params/StringArrayParam.h M /issm/trunk-  
jpl/src/c/objects/Params/StringParam.cpp M /issm/trunk-jpl/src/c/objects/Params/StringParam.h  
M /issm/trunk-jpl/src/c/objects/Params/VectorParam.cpp M /issm/trunk-jpl/src/c/objects/Params/VectorP  
M /issm/trunk-jpl/src/c/shared/Alloc/alloc.cpp M /issm/trunk-jpl/src/c/shared/Exceptions/Exceptions.cpp  
M /issm/trunk-jpl/src/c/shared/Exp/exp.h M /issm/trunk-jpl/src/c/shared/Matlab/CheckNumMatlabArgum  
M /issm/trunk-jpl/src/c/shared/Matlab/matlabshared.h M /issm/trunk-jpl/src/c/shared/Matlab/mxGetAssi  
M /issm/trunk-jpl/src/c/shared/Numerics/OptFunc.cpp M /issm/trunk-jpl/src/c/shared/Numerics/Verbosity  
M /issm/trunk-jpl/src/c/toolkits/double/MatlabMatrixToDoubleMatrix.cpp M  
/issm/trunk-jpl/src/c/toolkits/double/MatlabVectorToDoubleVector.cpp M /issm/trunk-  
jpl/src/c/toolkits/double/double.h M /issm/trunk-jpl/src/c/toolkits/issm/SeqMat.cpp  
M /issm/trunk-jpl/src/c/toolkits/issm/SeqMat.h M /issm/trunk-jpl/src/c/toolkits/issm/SeqVec.cpp  
M /issm/trunk-jpl/src/c/toolkits/issm/SeqVec.h M /issm/trunk-jpl/src/c/toolkits/matlab/MatlabNArrayToN  
M /issm/trunk-jpl/src/c/toolkits/matlab/matlabincludes.h M /issm/trunk-jpl/src/c/toolkits/petsc/patches/M  
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/MatlabVectorToPetscVector.cpp  
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetscMatrixToMatlabMatrix.cpp  
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetscVectorToMatlabVector.cpp  
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/SerialToVec.cpp M /issm/trunk-  
jpl/src/c/toolkits/petsc/patches/petscpatches.h Made matlab and python lay-  
ers more independent in the ISSM code

**Change #3** with diff file ISSM-11843-11844.diff:

Function name:

M /issm/trunk-jpl/src/c/Container/Options.cpp M /issm/trunk-jpl/src/c/Container/Options.h  
M /issm/trunk-jpl/src/c/Container/Results.cpp M /issm/trunk-jpl/src/c/Container/Results.h  
M /issm/trunk-jpl/src/c/include/types.h M /issm/trunk-jpl/src/c/io/Matlab/FetchMatlabData.cpp  
M /issm/trunk-jpl/src/c/io/Matlab/OptionParse.cpp M /issm/trunk-jpl/src/c/io/Matlab/WriteMatlabData.c  
M /issm/trunk-jpl/src/c/io/Matlab/matlabio.h M /issm/trunk-jpl/src/c/io/PrintfFunction.cpp

M /issm/trunk-jpl/src/c/io/io.h M /issm/trunk-jpl/src/c/modules/Dakotax/Dakotax.cpp  
M /issm/trunk-jpl/src/c/modules/Dakotax/Dakotax.h M /issm/trunk-jpl/src/c/modules/Dakotax/SpawnCoreSerial.cpp M /issm/trunk-jpl/src/c/modules/InterpFromGridToMeshx/InterpFromGridToMeshx.h M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh3dx/InterpFromMeshToMesh3dx.h M /issm/trunk-jpl/src/c/modules/OutputResultsx/OutputResultsx.cpp M /issm/trunk-jpl/src/c/modules/OutputResultsx/OutputResultsx.h M /issm/trunk-jpl/src/c/objects/Bamg/BamgGeom.cpp M /issm/trunk-jpl/src/c/objects/Bamg/BamgGeom.h M /issm/trunk-jpl/src/c/objects/Bamg/BamgMesh.cpp M /issm/trunk-jpl/src/c/objects/Bamg/BamgMesh.h M /issm/trunk-jpl/src/c/objects/Bamg/BamgOpts.cpp M /issm/trunk-jpl/src/c/objects/Bamg/BamgOpts.h M /issm/trunk-jpl/src/c/objects/ExternalResults/BoolExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/BoolExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleMatExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleVecExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleVecExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/ExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/IntExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/IntExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/PetscVecExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/PetscVecExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/StringExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/StringExternalResult.h M /issm/trunk-jpl/src/c/objects/Numerics/Matrix.cpp M /issm/trunk-jpl/src/c/objects/Numerics/Matrix.h M /issm/trunk-jpl/src/c/objects/Numerics/Vector.cpp M /issm/trunk-jpl/src/c/objects/Numerics/Vector.h M /issm/trunk-jpl/src/c/objects/OptArgs.h M /issm/trunk-jpl/src/c/objects/Params/BoolParam.cpp M /issm/trunk-jpl/src/c/objects/Params/BoolParam.h M /issm/trunk-jpl/src/c/objects/Params/DoubleMatArrayParam.cpp M /issm/trunk-jpl/src/c/objects/Params/DoubleMatArrayParam.h M /issm/trunk-jpl/src/c/objects/Params/DoubleMatParam.cpp M /issm/trunk-jpl/src/c/objects/Params/DoubleMatParam.h M /issm/trunk-jpl/src/c/objects/Params/DoubleParam.cpp M /issm/trunk-jpl/src/c/objects/Params/DoubleParam.h M /issm/trunk-jpl/src/c/objects/Params/DoubleTransientMatParam.h M /issm/trunk-jpl/src/c/objects/Params/DoubleVecParam.cpp M /issm/trunk-jpl/src/c/objects/Params/DoubleVecParam.h M /issm/trunk-jpl/src/c/objects/Params/FileParam.cpp M /issm/trunk-jpl/src/c/objects/Params/FileParam.h M /issm/trunk-jpl/src/c/objects/Params/IntMatParam.cpp M /issm/trunk-jpl/src/c/objects/Params/IntMatParam.h M /issm/trunk-jpl/src/c/objects/Params/IntParam.cpp M /issm/trunk-jpl/src/c/objects/Params/IntParam.h M /issm/trunk-jpl/src/c/objects/Params/IntVecParam.cpp M /issm/trunk-jpl/src/c/objects/Params/IntVecParam.h M /issm/trunk-jpl/src/c/objects/Params/MatrixParam.cpp M /issm/trunk-jpl/src/c/objects/Params/MatrixParam.h M /issm/trunk-jpl/src/c/objects/Params/Param.h M /issm/trunk-jpl/src/c/objects/Params/StringArrayParam.cpp M /issm/trunk-jpl/src/c/objects/Params/StringArrayParam.h M /issm/trunk-jpl/src/c/objects/Params/StringParam.cpp M /issm/trunk-jpl/src/c/objects/Params/StringParam.h M /issm/trunk-jpl/src/c/objects/Params/VectorParam.cpp M /issm/trunk-jpl/src/c/objects/Params/VectorParam.h M /issm/trunk-jpl/src/c/shared/Alloc/alloc.cpp M /issm/trunk-jpl/src/c/shared/Exceptions/Exceptions.cpp M /issm/trunk-jpl/src/c/shared/Exp/exp.h M /issm/trunk-jpl/src/c/shared/CheckNumMatlabArgument.cpp M /issm/trunk-jpl/src/c/shared/Matlab/matlabshared.h M /issm/trunk-jpl/src/c/shared/Matlab/mxGetAssumedSize.cpp M /issm/trunk-jpl/src/c/shared/Numerics/OptFunc.cpp M /issm/trunk-jpl/src/c/shared/Numerics/Verbosity.cpp M /issm/trunk-jpl/src/c/toolkits/double/MatlabMatrixToDoubleMatrix.cpp M /issm/trunk-jpl/src/c/toolkits/double/MatlabVectorToDoubleVector.cpp M /issm/trunk-jpl/src/c/toolkits/double/MatlabVectorToDoubleVector.h M /issm/trunk-jpl/src/c/toolkits/double/MatlabVectorToDoubleVector.cpp

jpl/src/c/toolkits/double/double.h M /issm/trunk-jpl/src/c/toolkits/issm/SeqMat.cpp  
M /issm/trunk-jpl/src/c/toolkits/issm/SeqMat.h M /issm/trunk-jpl/src/c/toolkits/issm/SeqVec.cpp  
M /issm/trunk-jpl/src/c/toolkits/issm/SeqVec.h M /issm/trunk-jpl/src/c/toolkits/matlab/MatlabNArrayToN  
M /issm/trunk-jpl/src/c/toolkits/matlab/matlabincludes.h M /issm/trunk-jpl/src/c/toolkits/petsc/patches/M  
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/MatlabVectorToPetcVector.cpp  
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetcMatrixToMatlabMatrix.cpp  
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetcVectorToMatlabVector.cpp  
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/SerialToVec.cpp M /issm/trunk-  
jpl/src/c/toolkits/petsc/patches/petscpatches.h

Export determination: 6.

Rationale: Made matlab and python layers more independent in the ISSM code

D /issm/trunk-jpl/src/mex/Test Not needed anymore

**Change #4** with diff file ISSM-11844-11845.diff:

Function name:

D /issm/trunk-jpl/src/mex/Test

Export determination: 6.

Rationale: Not needed anymore A /issm/trunk-jpl/src/mex/Test A /issm/trunk-  
jpl/src/mex/Test/Test.cpp A /issm/trunk-jpl/src/mex/Test/Test.h Prototype  
module

**Change #5** with diff file ISSM-11845-11846.diff:

Function name:

A /issm/trunk-jpl/src/mex/Test A /issm/trunk-jpl/src/mex/Test/Test.cpp A  
/issm/trunk-jpl/src/mex/Test/Test.h

Export determination: 6.

Rationale: Prototype module M /issm/trunk-jpl/src/mex/Makefile.am Inde-  
pendent compilation between Python and Matlab

**Change #6** with diff file ISSM-11846-11847.diff:

Function name:

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

Export determination: 6.

Rationale: Independent compilation between Python and Matlab A /issm/trunk-  
jpl/configs/config-macosx64-larour-python.sh New config file to compile without  
matlab and with python support

**Change #7** with diff file ISSM-11847-11848.diff:

Function name:

A /issm/trunk-jpl/configs/config-macosx64-larour-python.sh

Export determination: 6.

Rationale: New config file to compile without matlab and with python sup-  
port M /issm/trunk-jpl/m4/issm\_options.m4 Added boost, python and python-  
numpy support

**Change #8** with diff file ISSM-11848-11849.diff:

Function name:

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

Export determination: 6.

Rationale: Added boost, python and python-numpy support M /issm/trunk-jpl/m4/issm\_options.m4 A /issm/trunk-jpl/src/c/toolkits/python A /issm/trunk-jpl/src/c/toolkits/python/pythonincludes.h M /issm/trunk-jpl/src/c/toolkits/toolkits.h M /issm/trunk-jpl/src/mex/Makefile.am M /issm/trunk-jpl/src/mex/Test/Test.cpp M /issm/trunk-jpl/src/mex/Test/Test.h Starting systematization of python modules

**Change #9** with diff file ISSM-11849-11850.diff:

Function name:

M /issm/trunk-jpl/m4/issm\_options.m4 A /issm/trunk-jpl/src/c/toolkits/python A /issm/trunk-jpl/src/c/toolkits/python/pythonincludes.h M /issm/trunk-jpl/src/c/toolkits/toolkits.h M /issm/trunk-jpl/src/mex/Makefile.am M /issm/trunk-jpl/src/mex/Test/Test.cpp M /issm/trunk-jpl/src/mex/Test/Test.h

Export determination: 6.

Rationale: Starting systematization of python modules A /issm/trunk-jpl/src/py/modules/TriMesh/Code.cpp M /issm/trunk-jpl/src/py/modules/TriMesh/Makefile A /issm/trunk-jpl/src/py/modules/TriMesh/TriMesh.c A /issm/trunk-jpl/src/py/modules/TriMesh/TriMesh.cpp.bak A /issm/trunk-jpl/src/py/modules/TriMesh2 A /issm/trunk-jpl/src/py/modules/TriMesh2/Code.cpp A /issm/trunk-jpl/src/py/modules/TriMesh2/Makefile A /issm/trunk-jpl/src/py/modules/TriMesh2/TriMesh A /issm/trunk-jpl/src/py/modules/TriMesh2/TriMesh.cpp.bak A /issm/trunk-jpl/src/py/modules/TriMesh2/TriMesh.cpp.bak2 A /issm/trunk-jpl/src/py/modules/TriMesh2/\_pycache\_ A /issm/trunk-jpl/src/py/modules/TriMesh2/test.py Testing python code

**Change #10** with diff file ISSM-11850-11851.diff:

Function name:

A /issm/trunk-jpl/src/py/modules/TriMesh/Code.cpp M /issm/trunk-jpl/src/py/modules/TriMesh/Makefile A /issm/trunk-jpl/src/py/modules/TriMesh/TriMesh.cpp A /issm/trunk-jpl/src/py/modules/TriMesh/TriMesh.c A /issm/trunk-jpl/src/py/modules/TriMesh2 A /issm/trunk-jpl/src/py/modules/TriMesh2/Code.cpp A /issm/trunk-jpl/src/py/modules/TriMesh2/Makefile A /issm/trunk-jpl/src/py/modules/TriMesh2/TriMesh A /issm/trunk-jpl/src/py/modules/TriMesh2/TriMesh.cpp.bak A /issm/trunk-jpl/src/py/modules/TriMesh2/TriMesh.cpp.bak2 A /issm/trunk-jpl/src/py/modules/TriMesh2/\_pycache\_ A /issm/trunk-jpl/src/py/modules/TriMesh2/test.py

Export determination: 6.

Rationale: Testing python code D /issm/trunk-jpl/externalpackages/boost/boost\_1\_45\_0.tar.gz M /issm/trunk-jpl/externalpackages/boost/install.sh removed old boost package useless now, and fixed installation script

**Change #11** with diff file ISSM-11851-11852.diff:

Function name:

D /issm/trunk-jpl/externalpackages/boost/boost\_1\_45\_0.tar.gz M /issm/trunk-jpl/externalpackages/boost/install.sh

Export determination: 6.

Rationale: removed old boost package useless now, and fixed installation script

M /issm/trunk-jpl/src/mex/Makefile.am Fixed autotools complaints

**Change #12** with diff file ISSM-11852-11853.diff:

Function name:

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

Export determination: 6.

Rationale: Fixed autotools complaints M /issm/trunk-jpl/src/c/Container/Options.cpp

M /issm/trunk-jpl/src/c/Container/Options.h M /issm/trunk-jpl/src/c/Container/Results.cpp

M /issm/trunk-jpl/src/c/Container/Results.h M /issm/trunk-jpl/src/c/include/types.h

M /issm/trunk-jpl/src/c/io/Matlab/FetchMatlabData.cpp M /issm/trunk-jpl/src/c/io/Matlab/OptionParse.c

M /issm/trunk-jpl/src/c/io/Matlab/WriteMatlabData.cpp M /issm/trunk-jpl/src/c/io/Matlab/matlabio.h

M /issm/trunk-jpl/src/c/io/PrintfFunction.cpp M /issm/trunk-jpl/src/c/io/io.h

M /issm/trunk-jpl/src/c/modules/Dakotax/Dakotax.cpp M /issm/trunk-jpl/src/c/modules/Dakotax/Dakotax

M /issm/trunk-jpl/src/c/modules/Dakotax/SpawnCore.cpp M /issm/trunk-jpl/src/c/modules/Dakotax/Spaw

M /issm/trunk-jpl/src/c/modules/OutputResultsx/OutputResultsx.cpp M /issm/trunk-

jpl/src/c/modules/OutputResultsx/OutputResultsx.h M /issm/trunk-jpl/src/c/objects/Bamg/BamgGeom.cp

M /issm/trunk-jpl/src/c/objects/Bamg/BamgGeom.h M /issm/trunk-jpl/src/c/objects/Bamg/BamgMesh.cp

M /issm/trunk-jpl/src/c/objects/Bamg/BamgMesh.h M /issm/trunk-jpl/src/c/objects/Bamg/BamgOpts.cpp

M /issm/trunk-jpl/src/c/objects/Bamg/BamgOpts.h M /issm/trunk-jpl/src/c/objects/ExternalResults/BoolE

M /issm/trunk-jpl/src/c/objects/ExternalResults/BoolExternalResult.h M /issm/trunk-

jpl/src/c/objects/ExternalResults/DoubleExternalResult.cpp M /issm/trunk-

jpl/src/c/objects/ExternalResults/DoubleExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults,

M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleMatExternalResult.h

M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleVecExternalResult.cpp

M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleVecExternalResult.h

M /issm/trunk-jpl/src/c/objects/ExternalResults/ExternalResult.h M /issm/trunk-

jpl/src/c/objects/ExternalResults/IntExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/I

M /issm/trunk-jpl/src/c/objects/ExternalResults/PetscVecExternalResult.cpp

M /issm/trunk-jpl/src/c/objects/ExternalResults/PetscVecExternalResult.h M

/issm/trunk-jpl/src/c/objects/ExternalResults/StringExternalResult.cpp M /issm/trunk-

jpl/src/c/objects/ExternalResults/StringExternalResult.h M /issm/trunk-jpl/src/c/objects/Numerics/Matrix

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

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

M /issm/trunk-jpl/src/c/objects/Params/BoolParam.cpp M /issm/trunk-jpl/src/c/objects/Params/BoolPara

M /issm/trunk-jpl/src/c/objects/Params/DoubleMatArrayParam.cpp M /issm/trunk-

jpl/src/c/objects/Params/DoubleMatArrayParam.h M /issm/trunk-jpl/src/c/objects/Params/DoubleMatPar

M /issm/trunk-jpl/src/c/objects/Params/DoubleMatParam.h M /issm/trunk-

jpl/src/c/objects/Params/DoubleParam.cpp M /issm/trunk-jpl/src/c/objects/Params/DoubleParam.h

M /issm/trunk-jpl/src/c/objects/Params/DoubleTransientMatParam.h M /issm/trunk-

jpl/src/c/objects/Params/DoubleVecParam.cpp M /issm/trunk-jpl/src/c/objects/Params/DoubleVecParam.h

M /issm/trunk-jpl/src/c/objects/Params/FileParam.cpp M /issm/trunk-jpl/src/c/objects/Params/FileParam

M /issm/trunk-jpl/src/c/objects/Params/IntMatParam.cpp M /issm/trunk-jpl/src/c/objects/Params/IntMat

M /issm/trunk-jpl/src/c/objects/Params/IntParam.cpp M /issm/trunk-jpl/src/c/objects/Params/IntParam.h

M /issm/trunk-jpl/src/c/objects/Params/IntVecParam.cpp M /issm/trunk-jpl/src/c/objects/Params/IntVecF

M /issm/trunk-jpl/src/c/objects/Params/MatrixParam.cpp M /issm/trunk-jpl/src/c/objects/Params/Matrix

M /issm/trunk-jpl/src/c/objects/Params/Param.h M /issm/trunk-jpl/src/c/objects/Params/StringArrayPara

M /issm/trunk-jpl/src/c/objects/Params/StringArrayParam.h M /issm/trunk-jpl/src/c/objects/Params/StringParam.cpp M /issm/trunk-jpl/src/c/objects/Params/StringParam.h  
M /issm/trunk-jpl/src/c/objects/Params/VectorParam.cpp M /issm/trunk-jpl/src/c/objects/Params/VectorParam.h  
M /issm/trunk-jpl/src/c/shared/Alloc/alloc.cpp M /issm/trunk-jpl/src/c/shared/Exceptions/Exceptions.cpp  
M /issm/trunk-jpl/src/c/shared/Matlab/CheckNumMatlabArguments.cpp M /issm/trunk-jpl/src/c/shared/Matlab/matlabshared.h M /issm/trunk-jpl/src/c/shared/Matlab/mxGetAssignedField.cpp  
M /issm/trunk-jpl/src/c/shared/Numerics/OptFunc.cpp M /issm/trunk-jpl/src/c/shared/Numerics/Verbosity.cpp  
M /issm/trunk-jpl/src/c/toolkits/double/MatlabMatrixToDoubleMatrix.cpp M /issm/trunk-jpl/src/c/toolkits/double/MatlabVectorToDoubleVector.cpp M /issm/trunk-jpl/src/c/toolkits/double/double.h M /issm/trunk-jpl/src/c/toolkits/issm/SeqMat.cpp  
M /issm/trunk-jpl/src/c/toolkits/issm/SeqMat.h M /issm/trunk-jpl/src/c/toolkits/issm/SeqVec.cpp  
M /issm/trunk-jpl/src/c/toolkits/issm/SeqVec.h M /issm/trunk-jpl/src/c/toolkits/matlab/MatlabNArrayToNArray.cpp  
M /issm/trunk-jpl/src/c/toolkits/matlab/matlabincludes.h M /issm/trunk-jpl/src/c/toolkits/petsc/patches/MatlabVectorToPetscVector.cpp  
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetscMatrixToMatlabMatrix.cpp  
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetscVectorToMatlabVector.cpp  
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/petscpatches.h M /issm/trunk-jpl/src/c/toolkits/toolkits.h Moved all \_HAVE\_MATLAB\_ to \_SERIAL\_, otherwise parallel won't compile

**Change #13** with diff file ISSM-11853-11854.diff:

Function name:

M /issm/trunk-jpl/src/c/Container/Options.cpp M /issm/trunk-jpl/src/c/Container/Options.h  
M /issm/trunk-jpl/src/c/Container/Results.cpp M /issm/trunk-jpl/src/c/Container/Results.h  
M /issm/trunk-jpl/src/c/include/types.h M /issm/trunk-jpl/src/c/io/Matlab/FetchMatlabData.cpp  
M /issm/trunk-jpl/src/c/io/Matlab/OptionParse.cpp M /issm/trunk-jpl/src/c/io/Matlab/WriteMatlabData.cpp  
M /issm/trunk-jpl/src/c/io/Matlab/matlabio.h M /issm/trunk-jpl/src/c/io/PrintfFunction.cpp  
M /issm/trunk-jpl/src/c/io/io.h M /issm/trunk-jpl/src/c/modules/Dakotax/Dakotax.cpp  
M /issm/trunk-jpl/src/c/modules/Dakotax/Dakotax.h M /issm/trunk-jpl/src/c/modules/Dakotax/SpawnCoreSerial.cpp  
M /issm/trunk-jpl/src/c/modules/Dakotax/SpawnCoreSerial.cpp M /issm/trunk-jpl/src/c/modules/OutputResultsx/OutputResultsx.cpp M /issm/trunk-jpl/src/c/modules/OutputResultsx/OutputResultsx.h  
M /issm/trunk-jpl/src/c/objects/Bamg/BamgGeom.cpp M /issm/trunk-jpl/src/c/objects/Bamg/BamgGeom.h  
M /issm/trunk-jpl/src/c/objects/Bamg/BamgMesh.cpp M /issm/trunk-jpl/src/c/objects/Bamg/BamgMesh.h  
M /issm/trunk-jpl/src/c/objects/Bamg/BamgOpts.cpp M /issm/trunk-jpl/src/c/objects/Bamg/BamgOpts.h  
M /issm/trunk-jpl/src/c/objects/ExternalResults/BoolExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/BoolExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleMatExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleMatExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleVecExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/DoubleVecExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/ExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/ExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/IntExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/IntExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/PetscVecExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/PetscVecExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/StringExternalResult.cpp M /issm/trunk-jpl/src/c/objects/ExternalResults/StringExternalResult.h M /issm/trunk-jpl/src/c/objects/ExternalResults/StringExternalResult.h



jpl/src/c/objects/Numerics/Matrix.cpp M /issm/trunk-jpl/src/c/objects/Numerics/Matrix.h  
 M /issm/trunk-jpl/src/c/objects/Numerics/Vector.cpp M /issm/trunk-jpl/src/c/objects/Numerics/Vector.h  
 M /issm/trunk-jpl/src/c/objects/OptArgs.h M /issm/trunk-jpl/src/c/objects/Params/BoolParam.cpp  
 M /issm/trunk-jpl/src/c/objects/Params/BoolParam.h M /issm/trunk-jpl/src/c/objects/Params/DoubleMat.  
 M /issm/trunk-jpl/src/c/objects/Params/DoubleMatArrayParam.h M /issm/trunk-  
 jpl/src/c/objects/Params/DoubleMatParam.cpp M /issm/trunk-jpl/src/c/objects/Params/DoubleMatParam.  
 M /issm/trunk-jpl/src/c/objects/Params/DoubleParam.cpp M /issm/trunk-jpl/src/c/objects/Params/Double  
 M /issm/trunk-jpl/src/c/objects/Params/DoubleTransientMatParam.h M /issm/trunk-  
 jpl/src/c/objects/Params/DoubleVecParam.cpp M /issm/trunk-jpl/src/c/objects/Params/DoubleVecParam.h  
 M /issm/trunk-jpl/src/c/objects/Params/FileParam.cpp M /issm/trunk-jpl/src/c/objects/Params/FileParam  
 M /issm/trunk-jpl/src/c/objects/Params/IntMatParam.cpp M /issm/trunk-jpl/src/c/objects/Params/IntMat  
 M /issm/trunk-jpl/src/c/objects/Params/IntParam.cpp M /issm/trunk-jpl/src/c/objects/Params/IntParam.h  
 M /issm/trunk-jpl/src/c/objects/Params/IntVecParam.cpp M /issm/trunk-jpl/src/c/objects/Params/IntVecF  
 M /issm/trunk-jpl/src/c/objects/Params/MatrixParam.cpp M /issm/trunk-jpl/src/c/objects/Params/Matrix  
 M /issm/trunk-jpl/src/c/objects/Params/Param.h M /issm/trunk-jpl/src/c/objects/Params/StringArrayPara  
 M /issm/trunk-jpl/src/c/objects/Params/StringArrayParam.h M /issm/trunk-  
 jpl/src/c/objects/Params/StringParam.cpp M /issm/trunk-jpl/src/c/objects/Params/StringParam.h  
 M /issm/trunk-jpl/src/c/objects/Params/VectorParam.cpp M /issm/trunk-jpl/src/c/objects/Params/VectorF  
 M /issm/trunk-jpl/src/c/shared/Alloc/alloc.cpp M /issm/trunk-jpl/src/c/shared/Exceptions/Exceptions.cpp  
 M /issm/trunk-jpl/src/c/shared/Matlab/CheckNumMatlabArguments.cpp M /issm/trunk-  
 jpl/src/c/shared/Matlab/matlabshared.h M /issm/trunk-jpl/src/c/shared/Matlab/mxGetAssignedField.cpp  
 M /issm/trunk-jpl/src/c/shared/Numerics/OptFunc.cpp M /issm/trunk-jpl/src/c/shared/Numerics/Verbosity  
 M /issm/trunk-jpl/src/c/toolkits/double/MatlabMatrixToDoubleMatrix.cpp M  
 /issm/trunk-jpl/src/c/toolkits/double/MatlabVectorToDoubleVector.cpp M /issm/trunk-  
 jpl/src/c/toolkits/double/double.h M /issm/trunk-jpl/src/c/toolkits/issm/SeqMat.cpp  
 M /issm/trunk-jpl/src/c/toolkits/issm/SeqMat.h M /issm/trunk-jpl/src/c/toolkits/issm/SeqVec.cpp  
 M /issm/trunk-jpl/src/c/toolkits/issm/SeqVec.h M /issm/trunk-jpl/src/c/toolkits/matlab/MatlabNArrayToN  
 M /issm/trunk-jpl/src/c/toolkits/matlab/matlabincludes.h M /issm/trunk-jpl/src/c/toolkits/petsc/patches/M  
 M /issm/trunk-jpl/src/c/toolkits/petsc/patches/MatlabVectorToPetscVector.cpp  
 M /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetscMatrixToMatlabMatrix.cpp  
 M /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetscVectorToMatlabVector.cpp  
 M /issm/trunk-jpl/src/c/toolkits/petsc/patches/petscpatches.h M /issm/trunk-  
 jpl/src/c/toolkits/toolkits.h

Export determination: 6.

Rationale: Moved all `_HAVE_MATLAB_` to `_SERIAL_`, otherwise parallel won't  
 compile M /issm/trunk-jpl/configure.ac look for windows compilers first

**Change #14** with diff file ISSM-11854-11855.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.

Rationale: look for windows compilers first M /issm/trunk-jpl/src/c/toolkits/issm/SeqVec.cpp  
 needed for windows compile max not fmax

**Change #15** with diff file ISSM-11855-11856.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/issm/SeqVec.cpp  
 Export determination: 6.  
 Rationale: needed for windows compile max not fmax M /issm/trunk-jpl/etc/environment.sh  
 Don't overwrite my local environment with the windows environment

**Change #16** with diff file ISSM-11856-11857.diff:

Function name:  
 M /issm/trunk-jpl/etc/environment.sh  
 Export determination: 6.  
 Rationale: Don't overwrite my local environment with the windows environ-  
 ment M /issm/trunk-jpl/startup.m need to set the matlab C: path

**Change #17** with diff file ISSM-11857-11858.diff:

Function name:  
 M /issm/trunk-jpl/startup.m  
 Export determination: 6.  
 Rationale: need to set the matlab C: path M /issm/trunk-jpl/startup.m revert  
 last startup.m change

**Change #18** with diff file ISSM-11858-11859.diff:

Function name:  
 M /issm/trunk-jpl/startup.m  
 Export determination: 6.  
 Rationale: revert last startup.m change D /issm/trunk-jpl/cron/configs/linux64\_borstad\_daily  
 D /issm/trunk-jpl/cron/configs/linux64\_borstad\_nightly D /issm/trunk-jpl/cron/configs/linux64\_borstad\_ucitr  
 D /issm/trunk-jpl/cron/configs/linux64\_borstad\_validation A /issm/trunk-jpl/cron/configs/linux64\_daily  
 D /issm/trunk-jpl/cron/configs/linux64\_larour D /issm/trunk-jpl/cron/configs/linux64\_larour\_gsl  
 D /issm/trunk-jpl/cron/configs/linux64\_morlighem\_daily D /issm/trunk-jpl/cron/configs/linux64\_morlighem\_n  
 D /issm/trunk-jpl/cron/configs/linux64\_morlighem\_validation A /issm/trunk-  
 jpl/cron/configs/linux64\_nightly D /issm/trunk-jpl/cron/configs/linux64\_schlegel\_daily  
 D /issm/trunk-jpl/cron/configs/linux64\_schlegel\_nightly D /issm/trunk-jpl/cron/configs/linux64\_schlegel\_ucitr  
 D /issm/trunk-jpl/cron/configs/linux64\_schlegel\_validation D /issm/trunk-jpl/cron/configs/linux64\_seroussi  
 D /issm/trunk-jpl/cron/configs/linux64\_seroussi\_daily D /issm/trunk-jpl/cron/configs/linux64\_seroussi\_nightly  
 D /issm/trunk-jpl/cron/configs/linux64\_seroussi\_ucitrunk D /issm/trunk-jpl/cron/configs/linux64\_seroussi\_val  
 D /issm/trunk-jpl/cron/configs/macosx32\_seroussi D /issm/trunk-jpl/cron/configs/macosx64\_borstad  
 D /issm/trunk-jpl/cron/configs/macosx64\_borstad\_daily A /issm/trunk-jpl/cron/configs/macosx64\_daily  
 D /issm/trunk-jpl/cron/configs/macosx64\_larour D /issm/trunk-jpl/cron/configs/macosx64\_larour\_validation  
 A /issm/trunk-jpl/cron/configs/macosx64\_nightly D /issm/trunk-jpl/cron/configs/macosx64\_schlegel  
 D /issm/trunk-jpl/cron/configs/macosx64\_schlegel\_daily A /issm/trunk-jpl/cron/configs/win732  
 (from /issm/trunk-jpl/cron/configs/win732\_larour:11818) D /issm/trunk-jpl/cron/configs/win732\_larour  
 A /issm/trunk-jpl/cron/configs/win764 (from /issm/trunk-jpl/cron/configs/win764\_larour:11818)  
 D /issm/trunk-jpl/cron/configs/win764\_larour A /issm/trunk-jpl/cron/configs/winxp32  
 (from /issm/trunk-jpl/cron/configs/winxp32\_larour:11818) D /issm/trunk-jpl/cron/configs/winxp32\_larour  
 removed personal config files now that NR are in issmjpl/cron, left some generic  
 config files in place

**Change #19** with diff file ISSM-11859-11860.diff:

Function name:

D /issm/trunk-jpl/cron/configs/linux64\_borstad\_daily D /issm/trunk-jpl/cron/configs/linux64\_borstad\_nightly  
D /issm/trunk-jpl/cron/configs/linux64\_borstad\_ucitrunk D /issm/trunk-jpl/cron/configs/linux64\_borstad\_vali  
A /issm/trunk-jpl/cron/configs/linux64\_daily D /issm/trunk-jpl/cron/configs/linux64\_larour  
D /issm/trunk-jpl/cron/configs/linux64\_larour\_gsl D /issm/trunk-jpl/cron/configs/linux64\_morlighem\_daily  
D /issm/trunk-jpl/cron/configs/linux64\_morlighem\_nightly D /issm/trunk-jpl/cron/configs/linux64\_morlighem  
A /issm/trunk-jpl/cron/configs/linux64\_nightly D /issm/trunk-jpl/cron/configs/linux64\_schlegel\_daily  
D /issm/trunk-jpl/cron/configs/linux64\_schlegel\_nightly D /issm/trunk-jpl/cron/configs/linux64\_schlegel\_ucitr  
D /issm/trunk-jpl/cron/configs/linux64\_schlegel\_validation D /issm/trunk-jpl/cron/configs/linux64\_seroussi  
D /issm/trunk-jpl/cron/configs/linux64\_seroussi\_daily D /issm/trunk-jpl/cron/configs/linux64\_seroussi\_nightly  
D /issm/trunk-jpl/cron/configs/linux64\_seroussi\_ucitrunk D /issm/trunk-jpl/cron/configs/linux64\_seroussi\_vali  
D /issm/trunk-jpl/cron/configs/macosx32\_seroussi D /issm/trunk-jpl/cron/configs/macosx64\_borstad  
D /issm/trunk-jpl/cron/configs/macosx64\_borstad\_daily A /issm/trunk-jpl/cron/configs/macosx64\_daily  
D /issm/trunk-jpl/cron/configs/macosx64\_larour D /issm/trunk-jpl/cron/configs/macosx64\_larour\_validation  
A /issm/trunk-jpl/cron/configs/macosx64\_nightly D /issm/trunk-jpl/cron/configs/macosx64\_schlegel  
D /issm/trunk-jpl/cron/configs/macosx64\_schlegel\_daily A /issm/trunk-jpl/cron/configs/win732  
(from /issm/trunk-jpl/cron/configs/win732\_larour:11818) D /issm/trunk-jpl/cron/configs/win732\_larour  
A /issm/trunk-jpl/cron/configs/win764 (from /issm/trunk-jpl/cron/configs/win764\_larour:11818)  
D /issm/trunk-jpl/cron/configs/win764\_larour A /issm/trunk-jpl/cron/configs/winxp32  
(from /issm/trunk-jpl/cron/configs/winxp32\_larour:11818) D /issm/trunk-jpl/cron/configs/winxp32\_larour  
Export determination: 6.

Rationale: removed personal config files now that NR are in issmjpl/cron,  
left some generic config files in place M /issm/trunk-jpl/src/c/Makefile.am M  
/issm/trunk-jpl/src/c/toolkits/python/pythonincludes.h M /issm/trunk-jpl/src/py/modules/TriMesh/TriMes  
Python into Makefile.am