

Center for Integrated Space Weather Modeling Rules of the Road

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Preamble:

The Center for Integrated Space Weather Modeling (CISM) is established through a cooperative agreement between the National Science Foundation (NSF) and Boston University and is funded through the NSF's Science and Technology Centers Program. CISM is a collaboration involving researchers at ten CISM Institutions as well as in Partner Institutions whose primary goal is to develop a series of ever-improving versions of a comprehensive, physics-based, model that simulates the space environment from the Sun to the Earth. As development of this comprehensive model proceeds, component models will be developed, tested, and validated, models will be coupled together in various combinations, and versions of models will be made available first to other researchers within the CISM community, and later to the broader scientific community. In any project of this magnitude, the efforts of many people contribute to the success of the project as a whole and to separate components of the project that might be published as a research paper or in some other form. The purpose of these rules-of-the-road is twofold: to establish a means whereby proper credit is given to those who have provided intellectual effort that has contributed to a particular paper or other publication; and to establish a means of better ensuring the accuracy and validity of any model results, or other research results, prior to publication.

CISM Rules of the Road

CISM encourages the widest possible use and dissemination of its models and model results consistent with reasonable controls aimed at ensuring that models are used within their range of validity, and with the appropriate recognition of intellectual property. The models are the intellectual property of the developers.

Use of Models and Model Results

Lead authors of any publications arising from work supported by CISM or making use of CISM models or other products should ensure that proper credit is given to all those contributing intellectual effort towards the publication, either in the form of co-authorship or acknowledgement, as appropriate.

Users making special purpose runs of CISM models should contact the developer or designated member of the modeling group early in an analysis project to discuss the appropriate use of model results. This applies to both CISM team members, and other members of the scientific community or general public.

Users that wish to publish the results derived from CISM models should normally offer co-authorship to the developer or his/her designated team member. Co-authorship may be declined.

Users should heed the caveats of model developers as to the interpretation and limitations of model results. Investigators supplying models may insist that such caveats be published, even if co-authorship is declined. Data and model version should also be specified.

All users of CISM-provided executable codes, source codes, or code results must submit copies of the abstracts and preprints of their related papers, and the abstracts of oral or poster presentations, to the CISM assistant director, and to the code developer.

Both CISM and the code developer should be acknowledged in published work that uses CISM provided codes:

- If the work is supported [or supported in part] by CISM funding the following acknowledgement must be included in all publications: "This material is based upon work supported [in part] by CISM which is funded by the STC Program of the National Science Foundation under Agreement Number ATM-0120950."
- If the work makes use of CISM models or model results but is not otherwise supported by CISM funding the following acknowledgement must be included in all publications: "This material is based upon work which used models developed by CISM which is funded by the STC Program of the National Science Foundation under Agreement Number ATM-0120950."

Distribution and Release of CISM Models

CISM makes models available for scientific and other uses through partnerships with CCMC and SEC. CISM team members, and in some cases other collaborators, may withdraw and use models from the CISM repository under procedures described in the "Model Release and Version Control" document. Models may not be further distributed or modified without explicit permission from the developer(s).