Summary of Session on Collaborations with Model Developers

2005 CCMC Workshop
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Notes on Model Developer Interactions with CCMC

- Tamas Gombosi-"net positive", but still some "modeler paranoia" concerning fear of losing funding if model is shared. Proud of being the first to take "the plunge", and of the heavy use of the BATS-R-US model at CCMC.

- Jimmy Raeder-"net positive"- but notes developer concerns on what CCMC does with a model that might reflect on the developer, and that citations be made to acknowledge developer appropriately. On positive side, regards CCMC as a "path to operations". Use of model can lead to new collaborations, feedback, identification of bugs, better documentation and validation. Suggests having FAQs available, raw model output data with software downloads, publication and validation data bases. Regards CCMC as a way to leave a code legacy.

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- Zoran Mikic- Provided MAS, which is still a research code, plus a viz tool, and plans to provide many more upgrades and options (has already been coupled to ENLIL). Take that as a positive.

- Dusan Odstrcil- Provided ENLIL plus programs to create ENLIL inner boundary conditions using either MAS or WSA coronal models. Plans to help "tune" these models and to also help with "cone" model option for injection of transients (to simulate CME disturbances interacting with realistic solar wind stream structure). Take that as a positive. Would have liked to consult more on the posted options- including the extended (to 10AU) option, whose development is still at an early stage of testing. Suggests new users could also use extra guidance from CCMC.

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- Nick Arge- Empirical WSA model and graphics submitted but not offered in runs on demand yet. Only submitted solar/helio model to have undergone extensive validations that can be pointed to. (WSA-ENLIL model still needs to be tuned and tested.) Points out importance of understanding the physics of the system being modeled and the model attributes in carrying out validations-also the importance of understanding the quality of the observations being used. Model developer involvement is not a bad thing and can be a very good thing. Validation is a big job.

- Paul Hick- In this case a specialized model designed for IPS and SMEI data interpretation is run by CCMC. Used mainly by developer team to render observations in 3D.

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- Joe Huba-Like Jimmy Raeder also has his own model website. In this case source code and a GUI to run it are also available. Plans future upgrades. Seems to work fine to have both options available to users.

BOTTOM LINE: GENERALLY POSITIVE EXPERIENCES FOR ALL!