

Reflections on the First Meeting of the Committee On Solar and Space Physics

Joint session with Earth Science focused on common interests in Research to Operations (R2O) and O2R

Dedicated sessions focused on

- **NSF and NASA responses to decadal survey**
- **Update on Heliophysics Roadmap**
- ***Effects of Solar Variability on Earth Climate* Workshop**
- **Discussion of Mission Management and Cost Containment as relevant to PI-led missions**

- **National Space Weather Program**
- **Popularization of the Decadal Survey**

These slides are a personal assessment of issues discussed during recent CSSP committee meeting, and should not be cited or quoted as the views expressed do not necessarily reflect those of the CSSP, the SSB, or the NRC.

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- There is currently no national plan for Earth and Space Weather at OSTP level – plan quite long in development
- NOAA & USGS are the operational agencies, but have severely constrained resources, long time constant
- NASA does science and applications, limited ops
- There is some support for R2O in Weather Service, but very limited support for space weather modeling
- Models drive planning for data acquisition
- System view considered, but priority varies
- Limited commitment to synoptic data – research favors new vs old at NSF even more than NASA

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Decadal Survey Response

- NSF AGS is trying to respond to survey optimistically
- NSF AST sees more difficulty given senior review, little support for synoptic data, limited budget
- NASA is responsive, but can start **nothing new until 2015**, even then very little
- Heliophysics Roadmap seeks to implement DS
- NOAA & NASA have concern about Space Weather Implementation

Other Issues

- **Mission Management and Cost Containment**
 - **Cost-capped PI-led missions 30% less expensive**
 - **Most savings realized in early stages of the program**
 - **Risk posture must be appropriate**
 - **More work needed**
- **National Space Weather Program has collected a lot of useful information that has been passed on to OSTP; NSWP has limited cross-agency authority**
- **Need R2O/O2R program**
- **Long-term synoptic observations need priority;**

Consider both space weather and climate

Current Activities & Concerns

- Finalizing edits to DS for publication/printing (Art)
- Developing ‘Popular’ version of DS
- Monitoring Responses to DS
- Pursuing mission management issues
- Priority of long-term data records
- Space weather & climate – data, modeling, operations
- Monthly telecons

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