

AMENDMENT NO. 32 TO THE NASA RESEARCH ANNOUNCEMENT (NRA) ENTITLED
"RESEARCH OPPORTUNITIES IN SPACE AND EARTH SCIENCES (ROSES) 2011,"
NNH11ZDA001N, RELEASED FEBRUARY 12, 2011

ROSES-11 Amendment 32: Final text for [Appendix B.7 Living With a Star Targeted Research and Technology NASA/NSF Partnership For Collaborative Space Weather Modeling](#).

A primary goal of NASA's Living With a Star Targeted Research and Technology (LWS TRT) program is the development of first-principles-based models for the coupled Sun-Earth and Sun-Solar System. Such models can act as tools for science investigations, as prototypes and test beds for prediction and specification capabilities, as frameworks for linking disparate data sets at vantage points throughout the Sun-Solar System, and as strategic planning aids for enabling exploration of outer space and testing new mission concepts.

The Geospace Sciences Section of the Division of Atmospheric and Geospace Sciences of the National Science Foundation (NSF), in collaboration with the NSF Office of Polar Programs, the Air Force Office of Scientific Research (AFOSR), and the Office of Naval Research (ONR), funds basic research in support of national space weather objectives. This includes the development of space weather models for specification and forecast of conditions throughout the space environment.

Because of the common goals among the agency programs, NASA and NSF have agreed to renew their partnership to support a new round of Strategic Capabilities, large-scale research projects that are more ambitious than those typically supported by a single grant by either organization. Descriptions of previously developed Strategic Capabilities can be found at http://lws-trt.gsfc.nasa.gov/trt_stratcap.htm. This NASA/NSF Partnership for Collaborative Space Weather Modeling will support modeling collaborations between institutions, including Government laboratories and universities. Collaborations among proposing institutions are not required, but it is anticipated that collaborations are more likely to meet the objectives of this solicitation.

This is a joint NASA and NSF call, and points of contact from both agencies are listed in the Appendix. Though this solicitation is being issued by NASA, its evaluation will include consideration of factors common at NSF but not typical for NASA, such as "broader impacts."

This amendment presents final text for the Appendix B.7, which replaces the previous text in its entirety. For this year this program is named the Living With a Star Targeted Research and Technology NASA/NSF Partnership For Collaborative Space Weather Modeling. The due dates have changed. Notices of Intent to propose are due December 15, 2011. Proposals are due March 15, 2012.

Further information about this program element is available from Madhulika (Lika) Guhathakurta, Heliophysics Division, Science Mission Directorate, NASA Headquarters, Washington, DC 20546-0001; Telephone: (202) 358-1992; E-mail: madhulika.guhathakurta@nasa.gov