AMENDMENT NO. 11 TO THE NASA RESEARCH ANNOUNCEMENT (NRA) ENTITLED "RESEARCH OPPORTUNITIES IN SPACE AND EARTH SCIENCES (ROSES) 2011," NNH11ZDA001N, RELEASED FEBRUARY 12, 2011

The due dates for Notices of Intent (NOIs) to Appendix C.16: Planetary Instrument Definition and Development (PIDD) and Appendix C.19 Astrobiology Science and Technology for Instrument Development (ASTID) have been changed to 7/1/2011

The Planetary Instrument Definition and Development Program (PIDDP) supports the advancement of spacecraft-based instrument technology that shows promise for use in scientific investigations on future planetary missions. The goal of the program is not to develop flight-qualified hardware, but rather to define and develop scientific instruments or components of such instruments to the point where the instruments may be proposed in response to future announcements of flight opportunity without additional extensive technology development. Results of PIDDP have contributed to the development of flight hardware flown on, or selected for, many of NASA's planetary missions. The proposed instrument technology must address specific scientific objectives of likely future science missions.

The Astrobiology Science and Technology for Instrument Development (ASTID) program element requests proposals to develop instrumentation capabilities to help meet Astrobiology science requirements on future space flight missions, as well as unique Astrobiology science objectives on Earth. Selected activities are expected to advance the development of scientific instruments or instrument components to the point where the instruments could credibly be proposed in response to future flight opportunity announcements, including instruments that could be accommodated on or in small satellites (under 50kg total spacecraft mass), or as small payloads in support of future science activities associated with missions of human exploration. Note that proposals to build and fly hardware on a specific mission opportunity are not a part of this program element. In addition, the development of instruments for use in future field campaigns is solicited under the Astrobiology Science and Technology for Exploring Planets (ASTEP) program (see Appendix C.20).

This amendment changes the due dates for NOIs to Appendix C.16: Planetary Instrument Definition and Development (PIDD) and Appendix C.19 Astrobiology Science and Technology for Instrument Development (ASTID) to 7/1/2011. Tables two and three have been updated to reflect this change.

Questions concerning PIDD proposals may be addressed to:
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Questions concerning ASTID proposals may be addressed to:

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