

CLARIFICATIONS AND CORRECTIONS TO RESEARCH OPPORTUNITIES IN SPACE AND EARTH  
SCIENCES (ROSES) – 2016

**January 6, 2017.** Given the timing of the proposal due date for [A.31 Utilization of Airborne Visible/Infrared Imaging Spectrometer – Next Generation Data from an Airborne Campaign in India](#) and a need to obtain further approvals within the Government of India before collaborations between U.S. and Indian investigators can be arranged, these potential collaborations will now need to be established after selection of awards by NASA. This clarification only effects the timing of collaborations between U.S. and Indian investigators, it will not change NASA’s approach to evaluating proposals. The due date for proposals remains unchanged at January 17, 2017.

**September 16, 2016.** The point of contact for [C.20 Concepts for Ocean worlds Life Detection Technology](#) has changed to Meagan Thompson. See Section 4, The Summary Table of Key Information.

**August 23, 2016.** The point of contact for [A.25 Rapid Response and Novel Research in Earth Science](#) has changed to Laura Lorenzoni. See Section 5, The Summary Table of Key Information.

**August 18, 2016.** The final Section of Table 1 of the [ROSES-2016 Summary of Solicitation](#) on separately uploaded HEC and Total Budget files was reformatted to make explicit that the Total Budget is a separately uploaded document and not part of the detailed budget section in the proposal PDF.

**August 11, 2016.** The point of contact for C.11 [Discovery Data Analysis](#) has been changed to Thomas Statler, who may be reached at [Thomas.s.statler@nasa.gov](mailto:Thomas.s.statler@nasa.gov). See Section 5 for more information.

**August 1, 2016.** The [Mars Data Analysis Program](#) is particularly interested in receiving proposals to analyze the extensive, but underutilized, gamma ray and neutron datasets from the Mars Odyssey mission. Many years worth of data from the neutron detector and the neutron and gamma ray spectrometers are available on the Geosciences Node of the PDS.

**July 26, 2016:** The last paragraph of Section 3.5.2 of C.1 the [Planetary Science Research Program Overview](#) has been changed again to require a letter of support from the appropriate Discipline Node indicating that the PDS is willing to accept the submission. New text is bold and deleted text is struck through.

**July 21, 2016:** The bold notice text at the top of Program Element B.10 [Heliophysics U.S. Participating Investigator](#) erroneously referred to the due date for NOIs, whereas this and all other program elements in Appendix B require Step-1 proposals in place of NOIs.

**June 20, 2016:** In [C.11 Discovery Data Analysis](#) the requirements on the archiving of data products have been modified for clarity and to make them more consistent with

requirements in the other Data Analysis program elements. See Section 1.2. The due dates are unchanged. New text is in bold, deleted text is struck through.

**May 31, 2016:** The name of TBD program element [B.10](#) has been changed from Heliophysics U.S. Principal Investigator to Heliophysics U.S. Participating Investigator.

**May 19, 2016:** Section 4.1.2 of program element C.17 [Planetary Major Equipment](#) has been clarified and a typo corrected. New text is bold and deleted text is struck through. The due dates have not changed.

**May 9, 2016:** References to salary and overhead have been removed from in Sections 1.1 and 1.3.1 of D.2 [Astrophysics Data Analysis](#) Program to make this program element consistent with the new budget guidelines for ROSES-2016 that remove salary, fringe and overhead from proposals.

**April 28, 2016:** References to salary and overhead in Sections 1.1 and 1.3.1 of program element [D.2 Astrophysics Data Analysis Program \(ADAP\)](#) have been removed to make this program element consistent with the new budget guidelines in [Section IV\(b\)\(iii\) of the ROSES Summary of Solicitation](#) and the [FAQ about budgets in ROSES-2016](#) that instruct proposers to hide costs of salary, fringe and overhead. Proposals must include an explicit statement that all costs associated with the ground-based portion of the project are less than 25% of the total cost of the investigation.

**April 25, 2016:** A.4 [Terrestrial Ecology](#) has been clarified. Section 4.2 "Other Airborne Measurements" includes remote sensing and/or *in-situ* measurements, such as flask sampling or direct onboard measurement of atmospheric greenhouse gas concentrations.

**April 25, 2016:** The Planetary Science Division expects to release a new program element entitled [Concepts for Ocean worlds Life Detection Technology](#). Placeholder text has been posted for this as program element C.20 of ROSES-2016 and the due dates are listed as TBD. When the final text is released it will be via amendment to ROSES-2016. Proposals will be due no less than 90 days after release.

**April 11, 2016:** Updates have been made to the list of sites in India for which imagery has been acquired under "Other Documents" on the NSPIRES web page for A.31 [Utilization of Airborne Visible/Infrared Imaging Spectrometer - Next Generation Data from an Airborne Campaign in India](#). The updated site list incorporates the acquisition dates and also provides a point of contact for potential NASA-funded investigators to contact to discuss potential collaborations with counterparts in India for the use of the AVIRIS-NG data and also to gain access to potential Indian ground data.

**March 24, 2016:** The summary table of key information of Program Element A.11 [Ocean Surface Topography Science Team](#) has been changed to indicate that the maximum duration of awards is four years, consistent with the text. The due dates remain unchanged.

**March 24, 2016:** Janice Bucker is no longer one of the back up points of contact for Program Element C.13 [Maturation of Instruments for Solar System Exploration](#). The main point of contact remains William Cook.

**March 23, 2016:** The list of sites in India for which imagery has been acquired has been posted under "other documents" on the [NSPIRES web page of program element A.31 AVIRIS NG India](#). The due dates are unchanged. The text of A.31 has been updated to reflect the posting of this site list. New text is in bold, deleted text is struck through.

**March 2, 2016.** Section 3.5.2 of C.1 the [Planetary Science Research Program Overview](#) has been clarified to indicate that confirmation from Planetary Data System Discipline Nodes is not mandatory. New text is bold and deleted text is struck through.

**February 25, 2016.** In the [Heliophysics Research Program Overview](#) a clarification was made in Section 2 to the description of the Heliophysics Guest Investigators open Program Element (B.4). The text of the program element itself is B.4 was correct, the change is only in B.1. New text is in bold.

**February 24, 2016.** Throughout program element A.5 [Carbon Cycle Science](#) USDA has been updated to "USDA-NIFA" and a paragraph has been added to Section 2.2 referring to NIFA's strategic goal 1 and sub-goal 1.2. New text is in bold.