



LSST Corporation, 933 N. Cherry Avenue, Tucson, AZ 85721

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August 28, 2014

Dr. Luiz da Costa  
Laboratorio Interinstitucional de e-Astronomia  
Rua General José Cristino, 77  
São Cristóvão  
Rio de Janeiro 20921-400, Brazil

Dear Dr. da Costa;

The Large Synoptic Survey Telescope (LSST) is the top-ranked major ground-based facility recommended by the National Research Council's Astronomy and Astrophysics decadal survey committee in its 2010 report, *New Worlds, New Horizons*. It is being carried out as an US National Science Foundation (NSF) and Department of Energy (DOE) partnership, with NSF responsible for the telescope and site, education and public outreach (EPO), and the data management systems; DOE provides the camera and related instrumentation. LSST will begin full science operations in 2022 and bring to scientists and non-scientists alike the excitement of unprecedented discovery.

The EPO subsystem has been part of LSST from the early stages and is an integral part of the project. Over the next 8 years we will develop user interfaces to interact with LSST data products in ways that are meaningful to the general public, educators and students, and those who build content for venues such as science centers and planetariums. We will leverage the efforts of others, including the LSST Data Management system and your efforts with the Dark Energy Science (DES) Science Portal, to efficiently meet EPO requirements involving visualization of data products. The visualization of alerts streams has been identified as an early prototype to involve citizen scientists with LSST and the Brazilian Science Proposal already contains much of the functionality required for this effort. We are interested in collaborating on the further development of the portal functionality and on the user interface design in the near future.

Thank you for the opportunity to collaborate as your efforts move forward with this proposal to the Brazilian Ministry of Science & Technology.

Sincerely,

A handwritten signature in black ink that reads 'Suzanne H. Jacoby'.

Suzanne H. Jacoby  
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