

Adding Value to NASA Planetary Data Archives by Integrating Mission Data and Documents

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Planetary data archives of surface missions contain data from numerous hosted instruments. Because of the nondeterministic nature of surface missions, it is not possible to assess the data without understanding the context in which they were collected. NASA's Planetary Data System Analyst's Notebook (<http://an.rsl.wustl.edu>) provides access to the Mars Exploration Rover (MER), Mars Phoenix Lander, and Lunar Apollo surface mission data archives. In addition, a Notebook is being developed for the LCROSS mission. Mission data are enriched by integrating sequence information, engineering and science data, observation planning and targeting, and documentation into web-accessible pages to facilitate "mission replay."