

## **WFIRST: Data/Instrument Simulation Support at ISOC**

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## **The Simulation Repository**

## **Current content and future development**

As part of WFIRST Science Center preparations, the IPAC Science Operations Center (ISOC) maintains a repository of 1) WFIRST data and instrument simulations, 2) tools to facilitate scientific and performance feasibility studies, and 3) parameters summarizing the current design and predicted performance of the WFIRST telescope and instruments. The repository provides access to simulation code, tools and resulting analyses.

https://wfirst.ipac.caltech.edu

In addition to the items highlighted below, the current content of the repository includes information on, e.g., models of the CGI pupil, simulations of exoplanet albedos and colors, observational brown dwarf spectra, microlensing event simulations, weak lensing galaxy simulations, and simulations of grism observations of high-redshift galaxies. We encourage those who are generating WFIRST simulations or writing tools for exoplanet observations with WFIRST to contact the ISOC team so that we can bring these to the attention of the scientific community as we prepare for the exciting science that will be enabled by WFIRST. For further information, please contact us at <a href="https://wfirst@ipac.caltech.edu">wfirst@ipac.caltech.edu</a>.

