Displaying An All-Sky Planck Map in the WorldWide Telescope

TOASTing Your Images With The Montage Image Mosaic Engine

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http://montage.ipac.caltech.edu  https://github.com/Caltech-IPAC/Montage

What Is Montage?

Portable and Sustainable Image Mosaic Toolkit

- Science-grade toolkit written in ANSI-C for portability.
- Scalable: runs on desktops and high-performance platforms.
- Cited in 38 published peer-reviewed papers (2016).
- Version 5.0 released in December 2016, with BSD 3-clause license.
- Version 5.0 provides support for HEALPIX data and for consumption of images by the WorldWide Telescope (WWT).

Displaying Images in the WWT with Montage

- WWT consumes PNG or JPEG files organized and named to conform to the TOAST sky-tessellation scheme, but astronomers work with FITS files in WCS-supported projections.
- Montage treats TOAST as another FITS projection; users need not know the details.
- Montage transforms FITS files to the TOAST projection, and has custom routines to organize TOAST files for display in the WWT.

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Try the WWT tutorial at http://montage.ipac.caltech.edu/docs/WWT/