GRACE-TELLUS : GRACE Products for Hydrology and Oceanography

http://grace.jpl.nasa.gov

This work is a collaboration among:
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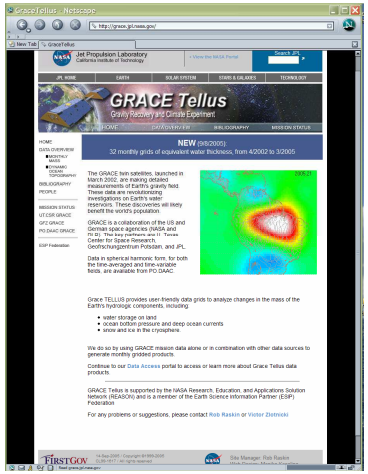
(Poster prepared by VZ: blame me).

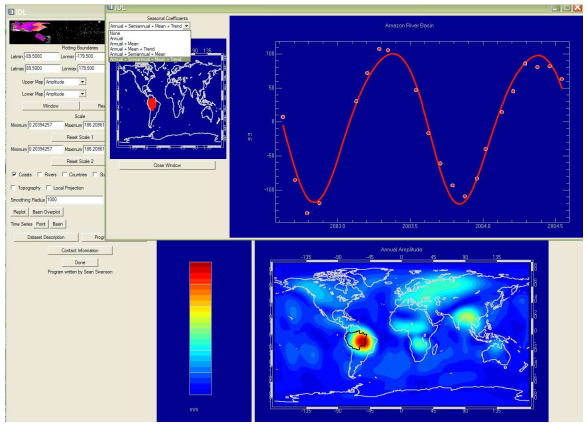
Our goal is to bring as quickly as possible research-quality derived data products from GRACE to a large audience. This will increase useage of the data, and help with a follow-on mission.

By 'derived products' we mean surface ocean currents, ocean bottom pressure, hydrologic basin water storage, monthly heat content (Jason and GRACE), and eventually, PGR.

HOMEPAGE

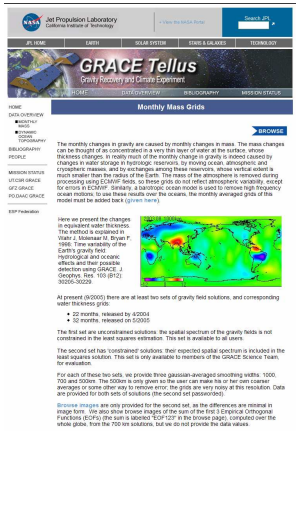


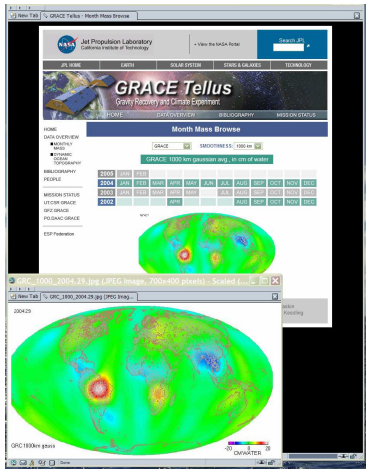
Sean SWENSON BUILT A NIFTY IDL-BASED, PORTABLE PROGRAM TO COMPUTE AND DISPLAY **AT THE USER'S SITE** VARIOUS DECOMPOSITIONS (ANNUAL, SEMIANNUAL, ETC),, BASIN-AVERAGED TIME SERIES,WITH ERROR ESTIMATES, ETC.

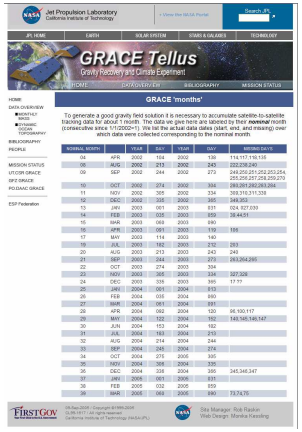


EXAMPLE: UP-TO-DATE BIBLIOGRAPHY

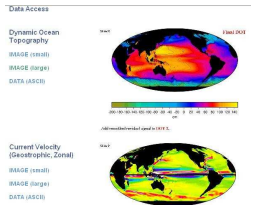
EXAMPLE: monthly mass distributions







EXAMPLE: DYNAMIC OCEAN TOPOGRAPHY



COMING UP AT THE WEBSITE:

Difference field calculator

Displays differences between any two monthly mass grid, e.g., compares two dates, smoothings, or sources

Regional average calculator: Computes average value within a user-drawn polygon

Decomposition into Fourier component Amplitude and phase of annual and semi-annual signals