ECCO Version 4: Fourth Release (1992-2017) ECCO V4r4

https://podaac.jpl.nasa.gov/ECCO

This dataset contains ECCO V4r4 ancillary data. The tar file ancillary_data_atm_flux_forcing_experiments_ECCO_V4r4.tar contains files required for the atmospheric flux-forced version of ECCO V4r4 in the directory atm_flux_forcing_experiments:

FILE/DIRECTORY	DESCRIPTION
README	README file
atm_flux_forcing	atmospheric fluxes forcing
mask	mask files required for adjoint sensitivity runs using the flux-forced version
xx	adjustments to the atmosphere flux forcings, all zeros by default because the flux forcing includes ECCO adjustments.

- Note:
  The configuration of the atmospheric flux-forced version of V4r4 is available at https://github.com/ECCO-GROUP/ECCO-v4-Configurations/tree/master/ECCOv4%20Release%204/flux-forced. The files in this directory are too large to be stored on GitHub.

- References:
  ECCO Consortium, Fukumori, I., Wang, O., Fenty, I., Forget, G., Heimbach, P., & Ponte, R. M. (2021, February 10). Synopsis of the ECCO Central Production Global Ocean and Sea-Ice State Estimate (Version 4 Release 4). https://doi.org/10.5281/zenodo.4533349

  Fukumori, I., O. Wang, I. Fenty, G. Forget, P. Heimbach, and R. M. Ponte, 2017: ECCO Version 4 Release 3, http://hdl.handle.net/1721.1/110380. https://doi.org/1721.1/110380

  Forget, G., J.-M. Campin, P. Heimbach, C. N. Hill, R. M. Ponte, and C. Wunsch, 2015: ECCO version 4: an integrated framework for non-linear inverse modeling and global ocean state estimation. Geoscientific Model Development, 8, 3071-3104. https://doi.org/10.5194/gmd-8-3071-2015

- Software:
  The ECCO V4r4 files were produced using the 'checkpoint66g' versions of the general circulation model (MITgcm and ECCO v4 settings), Python analysis package (ECCOv4-py), and Matlab analysis toolboxes (gcmfaces and MITprof). These software versions are available at http://mitgcm.org/download/other_checkpoints/, https://github.com/ECCO-GROUP/ECCOv4-py, and https://github.com/MITgcm/gcmfaces.

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README file revision history:

- README file creation   [Ou Wang and Ian Fenty] [2021/06/28]