

## STORM/AMIP data

The STORM/AMIP run performed with ECHAM6 T255L95 model is complete. The simulated time period is 1976-2008, although the first 2-3 years should, in general, be omitted from analysis. The model output data are available at

[/work/im0454/k202072/projects/echam\\_tuning/echam-6.0.13/experiments/p0007/outdata](/work/im0454/k202072/projects/echam_tuning/echam-6.0.13/experiments/p0007/outdata)

By default, the 6-hourly raw model output is organized into several data streams. The file-name pattern for data at model levels is

`<EXPID>_<YYYY><MM>.01_<STREAM>`, with  
<EXPID>: experiment ID, here *p0007*  
<YYYY>: year, *1976, 1977, ..., 2008*  
<MM>: month, *01, 02, ..., 12*  
<STREAM>: *echam, jsbach, land, surf, veg, co2, vphysc*

The file format is GRIB. Information on file content for different data streams can be extracted from corresponding code description files [p0007\\_197601.01\\_<STREAM>.codes](#). A brief description of all ECHAM6 output variables (codes, units etc.) can also be found in file

</work/im0454/k202072/AMIP/codes.6>

The post-processed monthly mean data are available in the directory

[/work/im0454/k202072/projects/echam\\_tuning/echam-6.0.13/experiments/p0007/post](/work/im0454/k202072/projects/echam_tuning/echam-6.0.13/experiments/p0007/post)

Again, the GRIB data are split into several files with name following this pattern:

`<POSTTYPE>_<EXPID>_<YYYY><MM>`, with  
<POSTTYPE> *ATM*: 3d data interpolated onto standard pressure levels  
*BOT*: 2d data, mainly at the surface or TOA  
*LOG*: 3d T-, u- and v-fields at pressure levels close to model levels  
*QBO*: 3d u-field in the stratosphere up to 1hPa  
*BOT\_MJO* and *ATM\_MJO*: selected variables for Analysis of MJO  
<EXPID>: experiment ID, here *p0007*  
<YYYY>: year, *1976, 1977, ..., 2008*  
<MM>: month, *01, 02, ..., 12*

Merged time series `<POSTTYPE>_p0007_1979-2008` are available in the same directory too. Variables not provided by standard postprocessing can additionally be derived from the raw model output using the ECHAM data post-processor “afterburner”.

The data is open to all consortium members. However, the files have to be removed from the GPFS work area once the coupled integration is in production and must be downloaded from

the HPSS tape archive. It is accessible via pftp from DKRZ & ZMAW machines and gridftp from other sites. The data location in tape archive is:

</hpss/arch/im0454/k202072/echam-6.0.13/experiments/p0007>

We are planning to make a joint paper (Dahms et al., 2013) to address the effect of horizontal resolution on the general circulation and its variability.

We would also like to draw your attention to another STORM simulation performed with the ocean model MPIOM at TP6ML80 resolution. A complete list of experiments performed within STORM project can be found at this URL:

[https://www.dkrz.de/redmine/projects/storm/wiki/STORM\\_list\\_of\\_experiments](https://www.dkrz.de/redmine/projects/storm/wiki/STORM_list_of_experiments)

A list of publications is compiled here:

<https://www.dkrz.de/redmine/projects/storm/documents>

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