

Homework #1

<http://www.esrl.noaa.gov/psd/data/gridded/tables/monthly.html>

The Earth System Research Laboratory provides gridded data sets in different time resolutions: monthly, daily, and sub daily. The most relevant information are CMAP, GPCP, OLR, NOAA Extended Reconstructed SST, NOAA Optimum Interpolation (IO) SST, NCEP/NCAR Reanalysis, NCEP/DOE Reanalysis II, and more.

<http://dss.ucar.edu/>

NCAR manages a database for Atmospheric and Geosciences Research called CISL Research Data Archive. This database is enormous and almost everything can be found here in terms for historical dataset. They have divided the data sets in the following groups: Agriculture, Atmosphere, Biosphere, Climate Indicators, Cryosphere, Hydrosphere, Land Surface, Paleoclimate, Solid Earth, Spectral/Engineering, Sun-Earth Interactions, and more. A user account is needed for accessing.

<http://badc.nerc.ac.uk/home/index.html>

Another source of data set is the British Atmospheric Data Center (BADC). It provides several data sets and in many cases the information is redundant from other data bases like CISL Research Data Archive. However, the unique characteristic of BADC is the access to data from experimental projects like the Large-scale Biosphere-Atmosphere Experiment in Amazonia (LBA).

<http://cera-www.dkrz.de/CERA/jblob/>

The World Data Center for Climate provide data sets from modeling experiments like the one released by the IPCC. Access permission is needed for using the databases, and also a special procedure to download the data.