

Simona Olson-Seastrand  
ATMO 529  
Assignment #1

**IRI/LDEO Climate Data Library**

<http://iridl.ldeo.columbia.edu/>

**Description:** The IRI/LDEO Climate Data Library has more than 300 datasets related to earth science and climate. The data available at this site is free. Users may not only be able to access data at this site, but they may also create simple to advanced (enhanced orthogonal function-EOF) analyses of the data. Users are able to analyze maps of current climate conditions. Animations and other visual aids may be created at this site.

The data is available for download in a wide variety of formats:

- ascii with ArcInfo Header (for ArcInfo)
- IDA (for WinDisp, GIS applications)
- ERDAS LAN (for GIS applications)
- netCDF
- tables (for Spreadsheets)
- binary random access
- DEC ALPHA direct access
- binary FORTRAN sequential access
- DEC ALPHA sequential access
- JPEG
- GIF
- PS

Data is also accessible using a Open-source Project for a Network Data Access Protocol(OPenDAP) client from programs such as Matlab, GrADS, and Ferret.

ATMO529  
HW1  
Brooke Rabe  
9/1/09

IRI/LDEO Climate Data Library  
url: <http://iridl.ldeo.columbia.edu/>

The International Research Institute for Climate and Society(IRI)/Lamont-Doherty Earth Observatory(LDEO) Climate Data Library is a website which provides access to a vast number of datasets in the earth sciences, as well as powerful tools for data manipulation including advanced techniques like EOF analyses. The site also has tools for data visualization, including a variety of plots and animations. The website contains a tutorial with beginner, intermediate and advanced lessons in using the Data Library interface, as well as in Ingrid commands, the PostScript-based language in which the Data Library is written. All of the website's features are available at no cost.