

Datos de Acceso para la Herramienta de Predicción Climática

- Los datos para el uso del CPT están disponibles en la Biblioteca de Datos del IRI.
- Las siguientes diapositivas muestran como:
 - Acceder a los datos
 - Crear promedios estacionales y ensamblados
 - Bajar los datos en el formato de grilla del CPT (gridded data format)

Para comenzar el ejemplo dirígase a la Biblioteca de Datos del IRI: <http://iridl.ldeo.columbia.edu>



Acceso de Datos

IRI/LDEO Climate Data Library

The IRI/LDEO Climate Data Library contains over 300 datasets from a variety of earth science disciplines and climate-related topics. It is a powerful tool that offers the following capabilities at no cost to the user:

- access any number of datasets;
- create analyses of data ranging from simple averaging to more advanced EOF analyses;
- monitor present climate conditions with maps and analyses in the [Maproom](#);
- create visual representations of data, including animations;
- download data in a variety of commonly-used [formats](#), including GIS-compatible formats.

Are you new to the world of climate data? Check out our [Introduction to Climate Data](#) page.

What's New

- Jan 04 - Improved political boundary and river overlays ([more information](#))
- Dec 03 - [Global Monthly Soil Moisture](#) dataset added
- Nov 03 - New atmospheric circulation analyses in [Global Maproom](#)
- Nov 03 - Latest [CPC Merged Analysis of Precipitation \(CMAP\)](#) dataset added
- Aug 03 - [TOMS Aerosol Index](#) datasets added

Finding Data

- [Datasets by Category](#) (circled in green)
- [Datasets by Source](#)
- [Dataset Search](#)

Help Resources

- [Tutorial](#)
- [Questions and Answers](#)

Monitoring Global Climate

[Maproom](#)

A collection of maps and analyses used to monitor climate conditions. Click on any of the maps to modify the figures or access the source data.

[Climate Information Digest](#)

A monthly publication covering global climate events, their impacts and the seasonal forecast.

[ENSO Web](#)

Information about El Niño-Southern Oscillation.

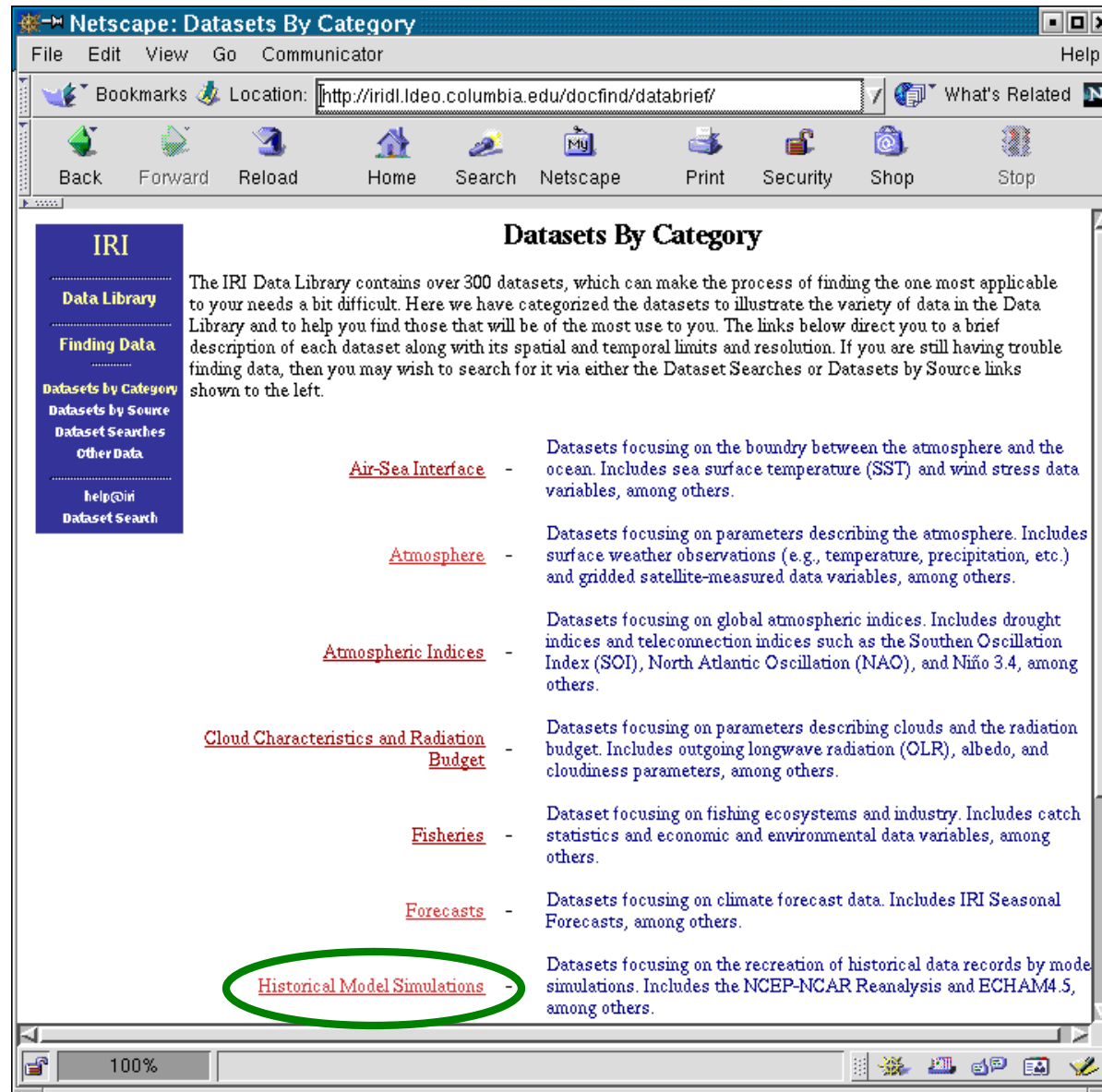
[Climate Highlights](#)

Relates headlines from the CID with likely future conditions.

Seleccione el link de *Set de Datos por Categoría*.



Acceso de Datos



Seleccione el link de *Simulaciones Históricas de Modelos*.



Acceso de Datos

Netscape: Datasets By Category - Historical Simulation Data

File Edit View Go Communicator Help

Bookmarks Location: <http://iridl.ldeo.columbia.edu/docfind/databrief/cat-sim.html> What's Related

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IRI

Data Library

Finding Data

Datasets by Category

Datasets by Source

Dataset Searches

Other Data

help@iri

Dataset Search

Historical Simulation Data in the IRI Data Library

Dataset Name	Spatial Resolution (Lon/Lat) / Number of Stations	Spatial Extent	Time Period	Temporal Resolution
GISS AMP	5x4	GLOBAL	Jan 1985, Dec 1988	MONTHLY
Description: The surface diagnostics from an atmospheric model simulation with AMP boundary conditions .				
IRI FD CCM3 History	2.8125x2.789328	GLOBAL	Jan 1950, Dec 1999	MONTHLY
Description: Climatological and ensemble model data for precipitation rate, 2m temperature, and 500mb heights from CCM3.2.				
IRI FD COLA T63 History	1.875x1.864678	GLOBAL	Jan 1950, Nov 1998	MONTHLY
Description: Climatological and ensemble model data for precipitation rate and temperature at canopy air space.				
IRI FD ECHAM3 History	2.8125x2.789328	GLOBAL	VARIOUS; 1949-2001	MONTHLY
Description: Experimental version of MONTHLY ECHAM3.				
IRI FD ECHAM4p5 History MONTHLY	2.8125x2.789328	GLOBAL	Jan 1950, May 2003	MONTHLY
Description: ECHAM4p5 ensemble forecasts and simulations .				
IRI FD NCEP History	2.8125x2.789328	GLOBAL	Jan 1965, Dec 1999	MONTHLY
Description: Climatological and ensemble model data for precipitation rate, 2m temperature, and 500mb heights from the National Centers for Environmental Prediction.				
IRI FD NSIPP-1 History	2.5x2	GLOBAL	Jan 1950, Dec 2000	MONTHLY
Description: Climatological and ensemble model data for precipitation rate, 2m				

Seleccione el link *Histórico Mensual del IRI FD ECHAM4p5*.



Acceso de Datos

Resumen
General

Altura Geopotencial

Precipitación

Netscape: dataset: IRI FD ECHAM4p5 History MONTHLY

File Edit View Go Communicator Help

Bookmarks Location: <http://iridl.ldeo.columbia.edu/SOURCES/IRI/FD/ECHAM4p5/> What's Related

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IRI FD ECHAM4p5 History MONTHLY options Help Expert Mode

Data Selection Data Downloads & Files Data Tables

served from IRI/LDEO Climate Data Library

SOURCES IRI Forecast Division ECHAM4.5 History MONTHLY

IRI FD ECHAM4p5 History MONTHLY

History MONTHLY from IRI FD ECHAM4p5: ECHAM4p5 ensemble forecasts and simulations.

Documents

[outline](#) an outline showing all sub-datasets and variables contained in this dataset
[griblist](#)

Datasets and variables

[above_ground](#) IRI FD ECHAM4p5 History MONTHLY above_ground[t2m]
[Pressure Level: Smoothed and Filled](#) IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF[ua ta phi va hus omega]
[surface](#) IRI FD ECHAM4p5 History MONTHLY surface[prc ohr taux slp zg prl net evs tauy tcld
stemp hfss prcp hfls]
[top](#) IRI FD ECHAM4p5 History MONTHLY top[net]

Grids

member grid: /M (ids) ordered 1 to 24 by 1. N= 24 pts :grid
Pressure grid: /P (mb) ordered [1000 950 850 700 500 400 300 200 100] :grid
Time grid: /T (months since 1960-01-01) ordered Jan 1950 to May 2003 by 1. N= 641 pts :grid
Longitude grid: /X (degree_east) periodic 0 to 2.8125W by 2.8125 N= 128 pts :grid
Latitude grid: /Y (degree_north) ordered [87.86384N 85.09651N 82.3129N 79.52561N 76.73689N 73.94751N 71.15775N 68.36775N 65.57761N 62.78734N 59.99702N 57.20663N 54.41610N 51.62573N 48.83524N 46.04472N 43.25420N 40.46365N

Seleccione el link Nivel de Presión: Suavizado y Llenado.



Acceso de Datos

Netscape: dataset: IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF

File Edit View Go Communicator Help

Bookmarks Location: <http://iridl.ldeo.columbia.edu/SOURCES/IRI/FD/ECHAM4p5/> What's Related

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[SOURCES](#) [IRI](#) [Forecast Division](#) [ECHAM4.5](#) [History](#) [MONTHLY](#) [Pressure Level: Smoothed and Filled](#)

IRI FD ECHAM4p5 History MONTHLY Pressure Level: Smoothed and Filled

History MONTHLY Pressure Level: Smoothed and Filled from IRI FD ECHAM4p5: ECHAM4p5 ensemble forecasts and simulations.

Documents

[overview](#) an outline showing sub-datasets of this dataset

Datasets and variables

specific humidity	IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF hus[X Y P M T]
vertical pressure velocity	IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF omega[X Y P M T]
geopotential height	IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi[X Y P M T]
temperature	IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF ta[X Y P M T]
zonal velocity	IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF ua[X Y P M T]
meridional velocity	IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF va[X Y P M T]

Last updated: Mon, 23 Jun 2003 19:54:11 GMT

If your WWW client does not display active links (including **views**) near the top of this page, try the [help page](#).

Seleccione el link de *Altura Geopotencial*.



Selección del Dominio de Datos

The screenshot shows a Netscape browser window with the address bar displaying <http://iridl.ldeo.columbia.edu/SOURCES/IRI/FD/ECHAM4p5/>. The page title is "IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi". The main content area has a left sidebar with links like "Data Library", "Introduction", "Questions & Answers", "help@iri", and "Dataset Search". The main area contains a "phi options" section with "NEW Views" and "old Viewer" tabs. A green circle highlights the "Data Selection" link in the "Data Selection" section. Below this, there is a "SOURCES" section with links for "Forecast Division", "ECHAM4.5", "History", "MONTHLY", "Pressure Level: Smoothed and Filled", and "geopotential height". The page also includes a "Grids" section with details about the data grid, including member, time, longitude, and latitude coordinates.

Selecione el link de *Selección de Datos*.



Selección del Dominio de Datos

IRI
Data Library
Introduction
Questions & Answers
help@iri
Dataset Search

Data Selection

You can interactively pick out the data you would like with the [Data Viewer](#).

You can reduce the amount of data by restricting the range of the grids.

The current settings for the grids are

- grid: /X (degree_east) periodic 0 to 2.8125W by 2.8125 N= 128 pts :grid
- grid: /Y (degree_north) ordered [87.86384N 85.09651N 82.3129N ... 87.86384S] N= 64 pts :grid
- grid: /P (mb) ordered [1000 950 850 700 500 400 300 200 100] :grid
- grid: /M (ids) ordered 1 to 24 by 1. N= 24 pts :grid
- grid: /T (months since 1960-01-01) ordered Jan 1950 to May 2003 by 1. N= 641 pts :grid

If this is what you want, choose

Setting Ranges

If you want to restrict the range along a grid, choose here.

	name	range
X	Longitude	0 to 2.8125w
Y	Latitude	87.86384N to 87.86384s
P	P	1000 to 100
M	member	1 to 24
T	Time	Jan 1950 to May 2003

Ingresa 850 en la ventana de la variable *P* y Oct 1950 to Dec 2003 en la variable *Time*. Luego haga click en *Restrict Ranges*.



Selección del Dominio de Datos

The screenshot shows a Netscape browser window with the title "Netscape: IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi data selection". The address bar shows the URL "http://iridl.ldeo.columbia.edu/SOURCES/IRI/FD/ECHAM4p5/History/". The page content includes a sidebar with "Data Library", "Finding Data", "Tutorial", and "Questions & Answers". The main content area is titled "Data Selection" and contains instructions on how to interactively pick out data. A box lists the current settings for the grids:

- grid: /X (degree_east) periodic (0) to (2.8125W) by 2.8125 N= 128 pts :grid
- grid: /Y (degree_north) ordered [(87.86384N) (85.09651N) (82.3129N) ... (87.86384S)] N= 64 pts :grid
- grid: /P (mb) ordered [(850)] :grid
- grid: /M (ids) ordered (1) to (24) by 1. N= 24 pts :grid
- grid: /T (months since 1960-01-01) ordered (Oct 1950) to (Dec 2003) by 1. N= 639 pts :grid

Below the list, there is a button labeled "Stop Selecting" which is circled in green. The page also includes a "Setting Ranges" section with a table for selecting data ranges.

name	range
X Longitude	0 to 2.8125W
Y Latitude	87.86384N to 87.86384S
P P	850
M member	1 to 24
T Time	Oct 1950 to Dec 2003

At the bottom of the table, there is a button labeled "Restrict Ranges".

Haga Click en la tecla *Stop Selecting*.



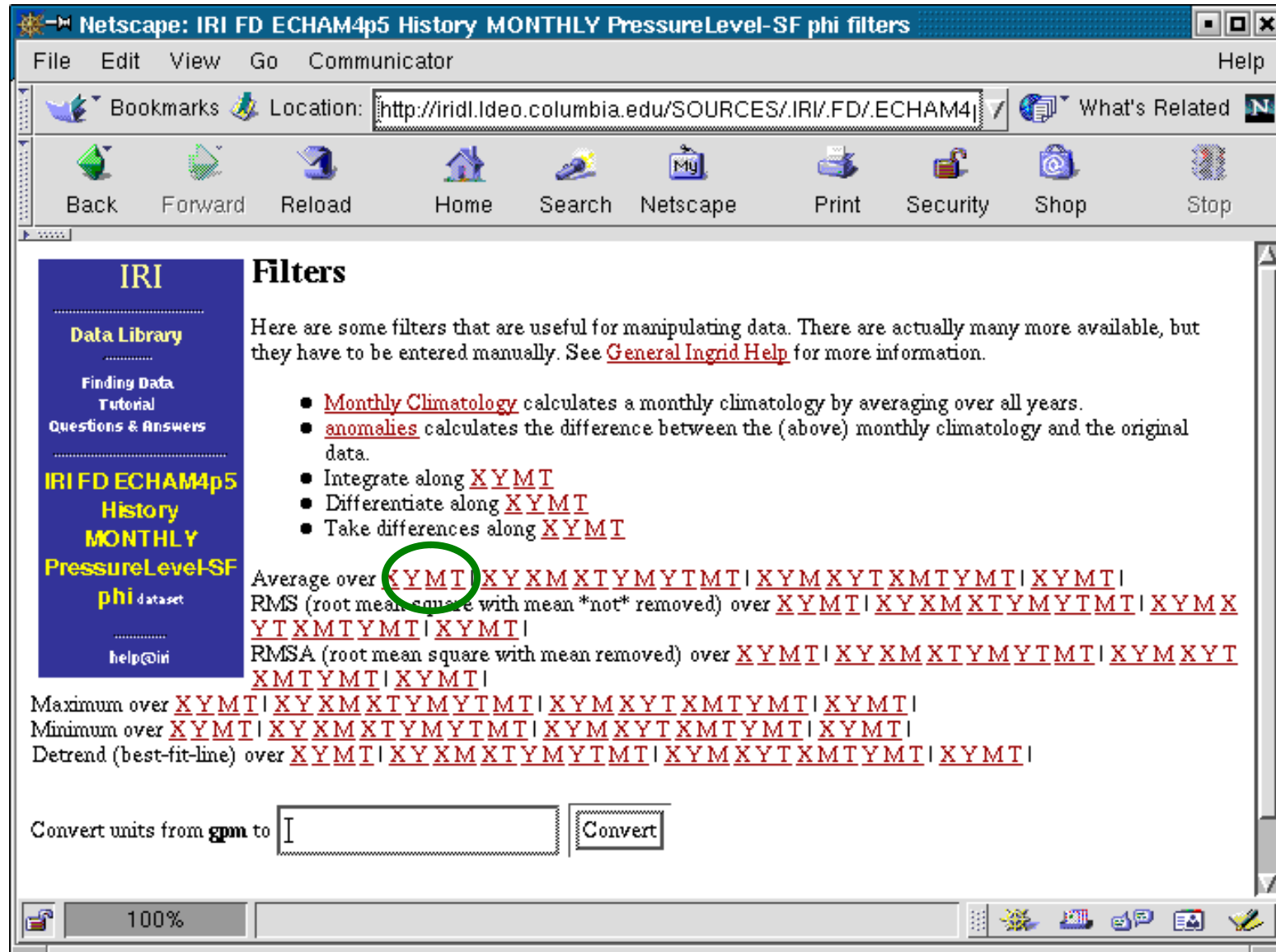
Creando un Promedio Ensamblado

The screenshot shows a Netscape browser window with the title "Netscape: data: IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi". The address bar shows the URL "http://iridl.ideo.columbia.edu/SOURCES/IRI/FD/ECHAM4p5/Histo". The browser interface includes a menu bar (File, Edit, View, Go, Communicator, Help), a bookmarks bar, and a toolbar with buttons for Back, Forward, Reload, Home, Search, Netscape, Print, Security, Shop, and Stop. The main content area displays the IRI Data Library interface. On the left is a sidebar with links for "Data Library", "Finding Data", "Tutorial", "Questions & Answers", and "help@iri". The main content area has a header "IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi" with "options" and "Help" links. Below this is a grid of data visualizations, including a "NEW Views" section with a "Data Selection" link circled in green. To the right of the visualizations are links for "Filters", "Data Files", and "Tables". Below the visualizations is a section "served from IRI/LDEO Climate Data Library" with a table of links: "Forecast Division", "ECHAM4.5", "History", "MONTHLY", "Pressure Level: Smoothed and Filled", "geopotential height", "T (Oct 1950) (Dec 2003) RANGE EDGES", and "P (850) VALUES". The main content area also displays the title "IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi: geopotential height data" and a description: "MONTHLY PressureLevel-SF phi geopotential height from IRI FD ECHAM4p5 History: ECHAM4.5 ensemble simulation runs." Below this is a section "Grids" with a list of grid specifications for member, P, Time, Longitude, and Latitude.

Seleccione el link *Filters*.



Creando un Promedio Ensamblado



Seleccione el Promedio sobre el link **M**.



Creando un Promedio Estacional

The screenshot shows a Netscape browser window with the address bar displaying `http://iridl.ldeo.columbia.edu/SOURCES/IRI/FD/ECHAM4p5/Histo`. The page title is "mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi]". The interface includes a sidebar with "Data Library", "Finding Data", "Tutorial", "Questions & Answers", and "help@iri". The main content area has a "NEW Views" section with several small plots and a "old Viewer" link. A table of links is visible, with "Expert Mode" circled in green. Below this, a table shows data selection options: "ECHAM4.5", "History", "MONTHLY", "Pressure Level: Smoothed and Filled", "geopotential height", "T (Oct 1950) (Dec 2003) RANGEEDGES", "P (850) VALUES", and "[M] 0.0 average". The page also contains a section titled "mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi]: geopotential height data" and a "Grids" section with detailed grid information for pressure, time, longitude, and latitude.

mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi]: geopotential height data

MONTHLY PressureLevel-SF phi phi geopotential height from IRI FD ECHAM4p5 History: ECHAM4.5 ensemble simulation runs.

Grids

P grid: /P (mb) ordered [(850)] :grid
Time grid: /T (months since 1960-01-01) ordered (Oct 1950) to (Dec 2003) by 1. N= 639 pts :grid
Longitude grid: /X (degree_east) periodic (0) to (2.8125W) by 2.8125 N= 128 pts :grid
Latitude grid: /Y (degree_north) ordered [(87.86384N) (85.09651N) (82.3129N) (79.52561N) (76.73689N) (73.94751N) (71.15775N) (68.36775N) (65.57761N) (62.78734N) (59.99702N) (57.20663N) (54.41619N) (51.62573N) (48.83524N) (46.04472N) (43.2542N) (40.46365N) (37.67308N) (34.88252N) (32.09194N) (29.30136N) (26.51077N) (23.72017N) (20.92957N) (18.13897N) (15.34836N) (12.55776N) (9.767144N) (6.976533N) (4.18592N) (1.395307N) (1.395307S) (4.18592S) (6.976533S) (9.767144S) (12.55776S) (15.34836S) (18.13897S) (20.92957S) (23.72017S) (26.51077S) (29.30136S) (32.09194S) (34.88252S) (37.67308S) (40.46365S) (43.2542S) (46.04472S) (48.83524S) (51.62573S) (54.41619S) (57.20663S) (59.99702S) (62.78734S) (65.57761S) (68.36775S) (71.15775S) (73.94751S) (76.73689S) (79.52561S) (82.3129S) (85.09651S) (87.86384S)] :grid

Seleccione el link de *Expert Mode*.



Creando un Promedio Estacional

mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi] 850 mb [X Y P | T] M M M M

expert
SOURCES .IRI .FD .ECHAM4p5 .History .MONTHLY
.PressureLevel-SF .phi
T (Oct 1950) (Dec 2003) RANGEEDGES
P (850) VALUES
[M] average

OK

reset

Viewer

Pressure Level: Smoothed and Filled

geopotential height

T (Oct 1950) (Dec 2003) RANGEEDGES

P (850) VALUES

[M] 0.0 average

mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi]: geopotential height data

MONTHLY PressureLevel-SF phi phi phi geopotential height from IRI FD ECHAM4p5 History: ECHAM4.5 ensemble simulation runs.

Grids

P grid: /P (mb) ordered [(850)] :grid
Time grid: /T (months since 1960-01-01) ordered (Oct 1950) to (Dec 2003) by 1. N= 639 pts :grid
Longitude

Ingresa el siguiente comando bajo el texto de la ventana:
T 3 runningAverage . Y haga Click en OK.



Creando un Promedio Estacional

mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi] 850 mb [X Y P T] M M M M

```
expert
SOURCES . IRI . FD . ECHAM4p5 . History . MONTHLY
PressureLevel-SF . phi
T (Oct 1950) (Dec 2003) RANGEEDGES
P (850) VALUES
[M] average
T 3 runningAverage
```

History MONTHLY Pressure Level: Smoothed and Filled geopotential height T (Oct 1950) (Dec 2003) RANGEEDGES P (850) VALUES [M] 10.0 average T 3 0.0 runningAverage

mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi]: geopotential height data

MONTHLY PressureLevel-SF phi phi phi phi geopotential height from IRI FD ECHAM4p5 History: ECHAM4.5 ensemble simulation runs.

Grids

P grid: /P (mb) ordered [(850)] : grid
Time grid: /T (months since 1960-01-01) ordered (Oct-Dec 1950) to (Oct-Dec 2003) by 1. N= 637 pts : grid

Ingresa el siguiente comando bajo el texto de la ventana:
T 12 STEP . Y haga Click en ***OK***.



Descargando un Archivo de Datos

mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi] 850 mb [X Y P | T] M M M M

expert
SOURCES . IRI . FD . ECHAM4p5 . History . MONTHLY
PressureLevel-SF . phi
T (Oct 1950) (Dec 2003) RANGEEDGES
P (850) VALUES
[M]average
T 3 runningAverage
T 12 STEP

NEW Views

old Viewer

Data Selection Filters **Data Files** Tables

served from IRI/LDEO Climate Data Library

MONTHLY	Pressure Level: Smoothed and Filled	geopotential height	T (Oct 1950) (Dec 2003) RANGEEDGES	P (850) VALUES	[M] 0.0 average	T 3 0.0 runningAverage	T 12 STEP
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mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi]: geopotential height data

MONTHLY PressureLevel-SF phi phi phi phi geopotential height from IRI FD ECHAM4p5 History: ECHAM4.5 ensemble simulation runs.

Grids

P grid: /P (mb) ordered [(850)] :grid
Time grid: /T (months since 1960-01-01) ordered (Oct-Dec 1950) to (Oct-Dec 2003) by 12. N= 54 pts :grid
Longitude grid: /X (degree_east) periodic (0) to (2.8125W) by 2.8125 N= 128 pts :grid
Latitude grid: /Y (degree_north) ordered [(87.86384N) (85.09651N) (82.3129N) (79.52561N) (76.73689N) (73.94751N) (71.15775N)]

Promedio Estacional OND

Selecione el link *Data Files*.



Descargando un Archivo de Datos

Netscape: mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi] 850 mb data file

File Edit View Go Communicator Help

Bookmarks Location: <http://iridl.ldeo.columbia.edu/expert/SOURCES/IRI/FD/ECHAM4p5/> What's Related

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mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi] dataset

help@iri

mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi] 850 mb Data Files

This dataset has 1769472 bytes (1.6875MB) of data in it, which should give you a rough idea of the size of any file that you ask for.

Download data to

[mgrib](#) [CPT](#) [ferre](#) [GrADS](#) [matlab](#) [NCL](#) [WinDisp](#)

This dataset has T units of **months since 1960-01-01** (360).

- some versions of GRADS cannot handle units of `julian_day`, non-standard calendars, months (a documented feature) or fractional years (an undocumented feature). Click [here](#) to change the units to **days since 1960-01-01**.

File Formats Available

Full information Formats

These files contain all the ancillary information as well as the data.

- [DODS](#) (**Distributed Oceanographic Data System**) a system^{*} which downloads data directly to programs like matlab, Ferret, GRADS, etc.
- [older DODS](#) for older DODS clients that presume double precision data without checking.
- [netCDF](#) format.

X Longitude
Y Latitude
T Time

Partial information formats

100%

Seleccione el link *CPT*.



Descargando un Archivo de Datos

Netscape: download for mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi]

File Edit View Go Communicator Help

Bookmarks Location: <http://iridl.ldeo.columbia.edu/expert/SOURCES/IRI/FD/ECHAM4p5/> What's Related

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mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi] dataset
help@iri

Accessing data using CPT

You are downloading
mean [IRI FD ECHAM4p5 History MONTHLY PressureLevel-SF phi]

Longitude	grid: /X (degree_east) periodic (0) to (2.8125W) by 2.8125 N= 128 pts :grid
Latitude	grid: /Y (degree_north) ordered [(87.86384N) (85.09651N) (82.3129N) (79.52561N) (76.73689N) (73.94751N) (71.15775N) (68.36775N) (65.57761N) (62.78734N) (59.99702N) (57.20663N) (54.41619N) (51.62573N) (48.83524N) (46.04472N) (43.2542N) (40.46365N) (37.67308N) (34.88252N) (32.09194N) (29.30136N) (26.51077N) (23.72017N) (20.92957N) (18.13897N) (15.34836N) (12.55776N) (9.767144N) (6.976533N) (4.18592N) (1.395307N) (1.395307S) (4.18592S) (6.976533S) (9.767144S) (12.55776S) (15.34836S) (18.13897S) (20.92957S) (23.72017S) (26.51077S) (29.30136S) (32.09194S) (34.88252S) (37.67308S) (40.46365S) (43.2542S) (46.04472S) (48.83524S) (51.62573S) (54.41619S) (57.20663S) (59.99702S) (62.78734S) (65.57761S) (68.36775S) (71.15775S) (73.94751S) (76.73689S) (79.52561S) (82.3129S) (85.09651S) (87.86384S)] :grid
Time	grid: /T (months since 1960-01-01) ordered (Oct-Dec 1950) to (Oct-Dec 2003) by 12. N= 54 pts :grid

Get the data from this [2D tsv datafile](#).

Seleccione el link *2D tsv datafile*.



Información Adicional

Biblioteca de Datos del IRI:

- Tutoría de la Biblioteca de Datos
 - <http://iridl.ldeo.columbia.edu/dochelp/Tutorial/>
 - Ingrese al Tutorial a través de la página principal de la Biblioteca de Datos
- help@iri.columbia.edu
 - Las preguntas y sugerencias para la Biblioteca de Datos pueden ser enviadas esta dirección de correo electrónico.

Software de CPT:

- cpt@iri.columbia.edu
 - Las preguntas sobre el software CPT pueden ser enviadas a esta dirección de correo electrónico.

