

CHFP -The Climate-system Historical Forecast Project- archive at CIMA

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• <http://chfps.cima.fcen.uba.ar/>

WCRP
World Climate Research Programme

CUVAR
Climate Variability & Prediction
World Climate Research Programme

WGSIP

CHFP
The Climate-system Historical Forecast Project
Page at
Centro de Investigaciones del Mar y la Atmosfera

C I M A
CONICET
U B A

[What is CHFP](#) | [How to access to CHFP data](#) | [CHFP dataserver at CIMA](#) | [Documents and Guides](#) | [Contact](#)

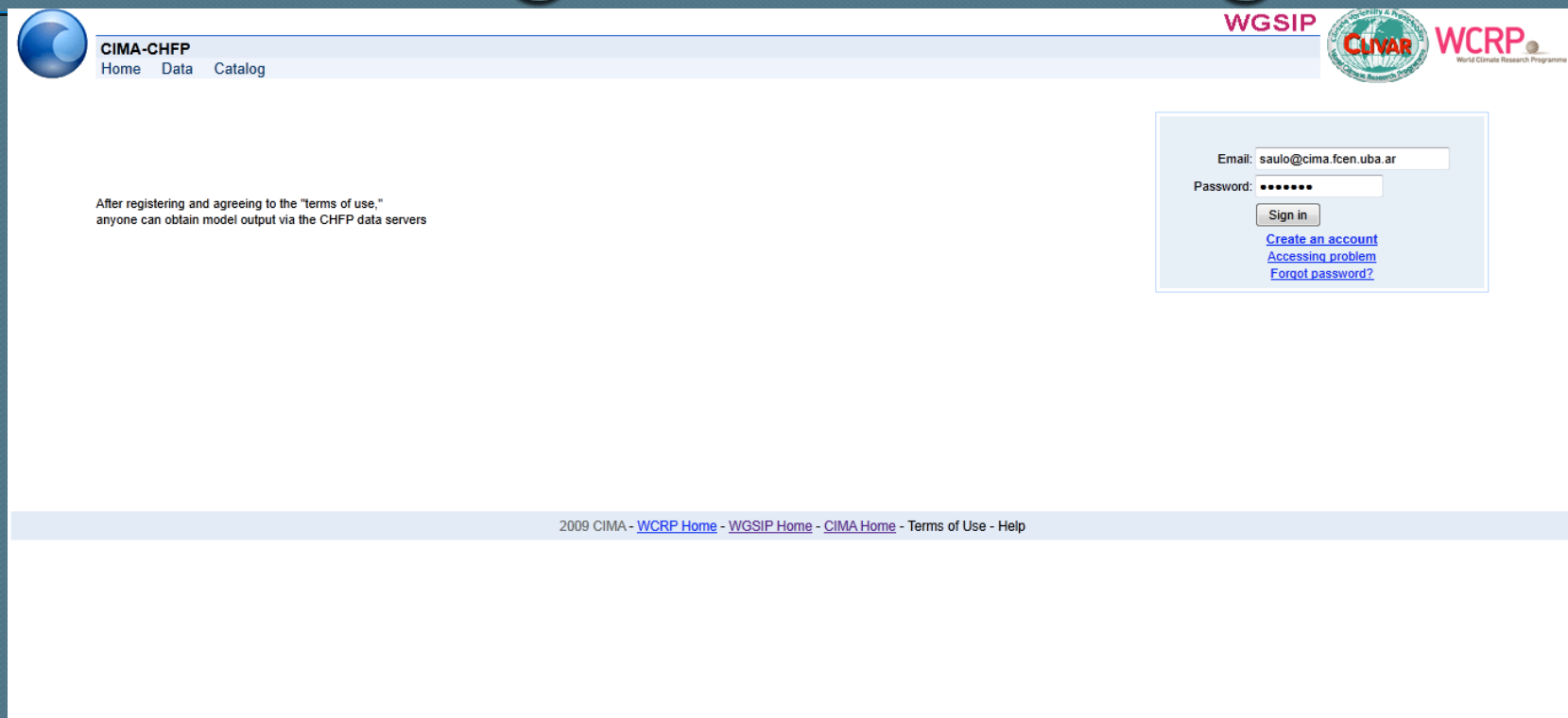
HOME
CHFP Data Server LOGIN
SHFP Data Server LOGIN

CIMA
Centro de investigaciones
del mar y la atmósfera

Welcome

CHFP
The Climate-system
Historical Forecast Project

Login and/or register



The screenshot shows the CIMA-CHFP website interface. At the top left is the CIMA-CHFP logo with a blue sphere icon and the text 'CIMA-CHFP' and 'Home Data Catalog'. At the top right are logos for WGSIP, CUIAR, and WCRP. The main content area on the left contains the text: 'After registering and agreeing to the "terms of use," anyone can obtain model output via the CHFP data servers'. On the right is a login/register form with fields for 'Email:' (containing 'saulo@cima.fcen.uba.ar') and 'Password:' (containing '*****'). Below these fields is a 'Sign in' button and three links: 'Create an account', 'Accessing problem', and 'Forgot password?'. At the bottom of the page is a footer with the text: '2009 CIMA - [WCRP Home](#) - [WGSIP Home](#) - [CIMA Home](#) - [Terms of Use](#) - [Help](#)'.

● http://chfps.cima.fcen.uba.ar/DS/hf_Login.php?hf=ch

With the same login (/user) you can access both, CHFP and SHFP

Stratospheric-resolving HFP

	Basic	Optional additional for
Integrations	<p>4 month lead times (1st November and 1st May start dates)</p> <p>2 seasons (DJF and JJA)</p> <p>Case study years: 1989 onwards</p> <p>6 members</p>	<p>12 month lead times</p> <p>4 seasons</p> <p>1979 onwards</p> <p>10 or more members</p>
Data	<p>Monthly means of: ts, tas, pr, psl</p> <p>Monthly means of: ta (10, 30, 50, 700, 850hPa) ua, va (10, 30, 50, 200, 850hPa) zg (10, 30, 50, 200, 500, 850, 1000hPa)</p> <p>Daily mean values of: ua, ta (10, 30hPa)</p>	<p>Monthly means of: ta, ua, va, zg (1000, 925, 700, 600, 500, 400, 300, 250, 200, 150, 100, 70, 20, 7, 5, 3, 2, 1, 0.4hPa)</p> <p>Daily mean values of: pr, zg (500hPa)</p>

- <http://chfps.cima.fcen.uba.ar:9090/thredds/catalog/CHFP/>

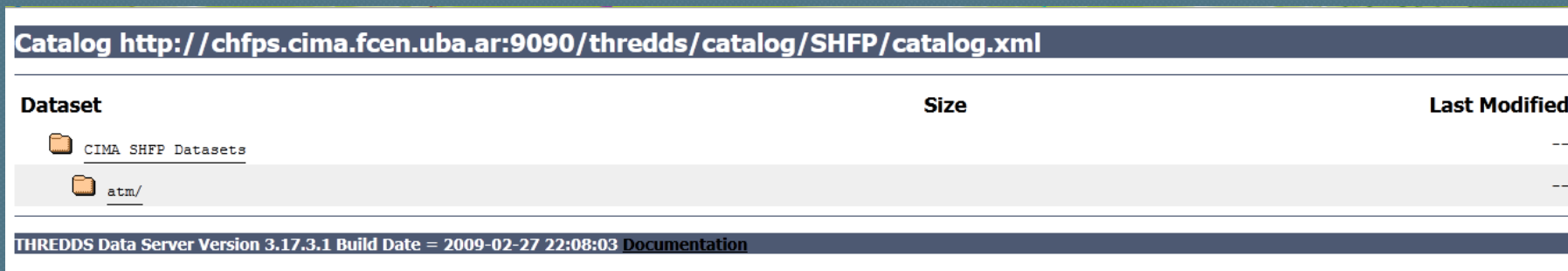


The screenshot shows a web browser window with the address bar displaying `http://chfps.cima.fcen.uba.ar:9090/thredds/catalog/CHFP/`. The browser's toolbar includes a search icon, a star icon, and a user profile icon labeled "claris lpb". Below the address bar, there are links for "Más visitados" and "Comenzar a usar Firefox". The main content area displays the title "Catalog `http://chfps.cima.fcen.uba.ar:9090/thredds/catalog/CHFP/catalog.xml`". Below the title is a table with three columns: "Dataset", "Size", and "Last Modified". The table lists the following datasets:

Dataset	Size	Last Modified
CIMA CHFP Datasets		--
atm/		--
lnd/		--
ocn/		--

At the bottom of the table, there is a footer that reads "THREDDS Data Server Version 3.17.3.1 Build Date = 2009-02-27 22:08:03 [Documentation](#)".

- <http://chfps.cima.fcen.uba.ar:9090/thredds/catalog/SHFP/>



The screenshot shows a web browser window with the address bar displaying `http://chfps.cima.fcen.uba.ar:9090/thredds/catalog/SHFP/`. The browser's toolbar includes a search icon, a star icon, and a user profile icon labeled "claris lpb". Below the address bar, there are links for "Más visitados" and "Comenzar a usar Firefox". The main content area displays the title "Catalog `http://chfps.cima.fcen.uba.ar:9090/thredds/catalog/SHFP/catalog.xml`". Below the title is a table with three columns: "Dataset", "Size", and "Last Modified". The table lists the following datasets:

Dataset	Size	Last Modified
CIMA SHFP Datasets		--
atm/		--

At the bottom of the table, there is a footer that reads "THREDDS Data Server Version 3.17.3.1 Build Date = 2009-02-27 22:08:03 [Documentation](#)".

Options

- Component:
 - Atmosphere, Land or Ocean data set
- Type of level
 - Surface
 - Height (levels)
 - invariant
- Frequency
 - Monthly
 - Daily
- Data
 - Year and month of initialization
 - Model
 - variable



CIMA-CHFP

[Home](#) [Data](#) [Catalog](#)

CHFP Atmosphere - Surface - Monthly

Component

[Atmosphere](#)

[Ocean](#)

[Land](#)

Type of level

[Levels](#)

[Surface](#)

[Invariant](#)

Frequency

[6 hs](#)

[Daily](#)

[Monthly](#)

[Invariant](#)

Select Initial Start Month

	Feb	May	Aug	Nov		Feb	May	Aug	Nov		Feb	May	Aug	Nov
1979	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
1980	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1990	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1981	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1991	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2001	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1982	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1992	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2002	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1983	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1993	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2003	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1984	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1994	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2004	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1985	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1995	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2005	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1986	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1996	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2006	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1987	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1997	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2007	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1988	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1998	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2008	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1989	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1999	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2009	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Clear all](#)

Select Model

☐ JMAMRI-CGCM3 ☐ L38GloSea4 ☐ L85GloSea4

[Select all](#) - [Clear all](#)

Select Variables

☐ clt - Total cloud cover ☐ hflsd - Surface latent flux



SHFP Atmosphere - Surface - Monthly

Component

[Atmosphere](#)
[Ocean](#)
[Land](#)

Type of level

[Levels](#)
[Surface](#)
[Invariant](#)

Frequency

[6 hs](#)
[Daily](#)
[Monthly](#)
[Invariant](#)

Select Initial Start Month

	Feb	May	Aug	Nov		Feb	May	Aug	Nov		Feb	May	Aug	Nov
1979	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
1980	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1990	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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1982	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1992	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2002	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1983	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1993	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2003	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1984	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1994	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2004	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1985	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1995	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2005	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1986	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1996	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2006	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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1989	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1999	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2009	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Clear all](#)

Select Model

☐ ARPEGE ☐ CFS ☐ CMAM ☐ CMAMlo

[Select all](#) - [Clear all](#)

Select Variables

☐ cl - cloud fraction ☐ clt - Total cloud cover



CIMA-CHFP

[Home](#) [Data](#) [Catalog](#)

CHFP Atmosphere Surface Month: selected files

The files are being copied

tas_monthly_JMAMRI-CGCM3_CHFP_19920201.nc

[Return](#)

- CHFP >> Admin Message <<
Celeste Saulo: Your(s) selected file(s),
tas_monthly_JMAMRI-CGCM3_CHFP_19920201.nc
are being copied. You will receive an e-mail when
the process is finished. CHFP Automata Server

- CHFP Admin Message:
Celeste Saulo: Your(s) selected file(s) were copied
You can download the files from the following list: 1
file(s) copied. Directory will be available during a
week

http://chfps.cima.fcen.uba.ar/request/20110908125625/tas_monthly_JMAMRI-CGCM3_CHFP_19920201.nc

CHFP 2 Automata
Server

What do we have in CHFP at this moment?

	SFC - Mon	Levels- Mon	SFC-daily	Levels Daily	SFC mon	Levels mon	Levels daily
JMAMRI-CGCM3	2016	560	1568	560	224	448	448
L38GloSea4	280	168					
L85GloSea4	420	336					

Atmosphere

Ocean

e.g.: JMA 1979-2006 = 28 years, 4 initialization months= 112 files per variable

Total number of files in CHFP = 7028

What do we have in SHFP at this moment?

	SFC -Mon	Levels-Mon	SFC- daily	Levels Daily
ARPEGE	522	870		
CMAM	240	240	180	180
CMAMlo	240	240	180	180

Atmosphere

Total number of files in SHFP = 3072

CHFP, (most frequent) variables

• Surface:

- prlr (Total precipitation – 24 hr accumulated)
- psl (mean sea level pressure)
- snld (snow depth)
- tas (2m-air T)
- ts (surface T, SST+land)

• Levels:

- g, hus (specific humidity), ua, va, ta

SHFP, (most frequent) variables

• Surface:

- pr (total precipitation rate, at $\text{kg}/(\text{m}^2 \text{ s})$)
- psl (mean sea level pressure)
- tas (2m-air T)
- ts (surface T, SST+land)

• Levels:

- zg, ua, va, ta

Problems

- Most frequent:
 - **Putting model outputs in CHFP/SHFP protocol**
 - Lack of variables and/or levels
- Likely to occur:
 - Downloading many archives in the same “request” (specially daily files), may cause delays...
 - Example: Dimension of 1 archive of daily T (at 5 levels) ~583 Mb, dimension of 1 archive of monthly mean T at the sfc: ~3 Mb.
 - Daily data from SHFP (higher vertical resolution) may be 3 times larger
- What we don't want to occur:
 - People not using this data set!!

Questions? Suggestions?

Thank you!