Live Access Server (LAS) Tutorial

The Live Access Server (LAS) is a highly configurable web server designed to provide flexible access to geo-referenced scientific data.

This short tutorial shows step by step how to access datasets via LAS with the help of an example data set (GECCO).

To reproduce the following steps visit our LAS at
http://icdc.cen.uni-hamburg.de/las/

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

Integrated Climate Data Cent... | dict.leo.org - Ergebnisse für "...

Live Access Server

Integrated Climate Data Center

Link to this page | Help | ICDC Website

Choose dataset

Click to choose dataset

r Live Access Server!

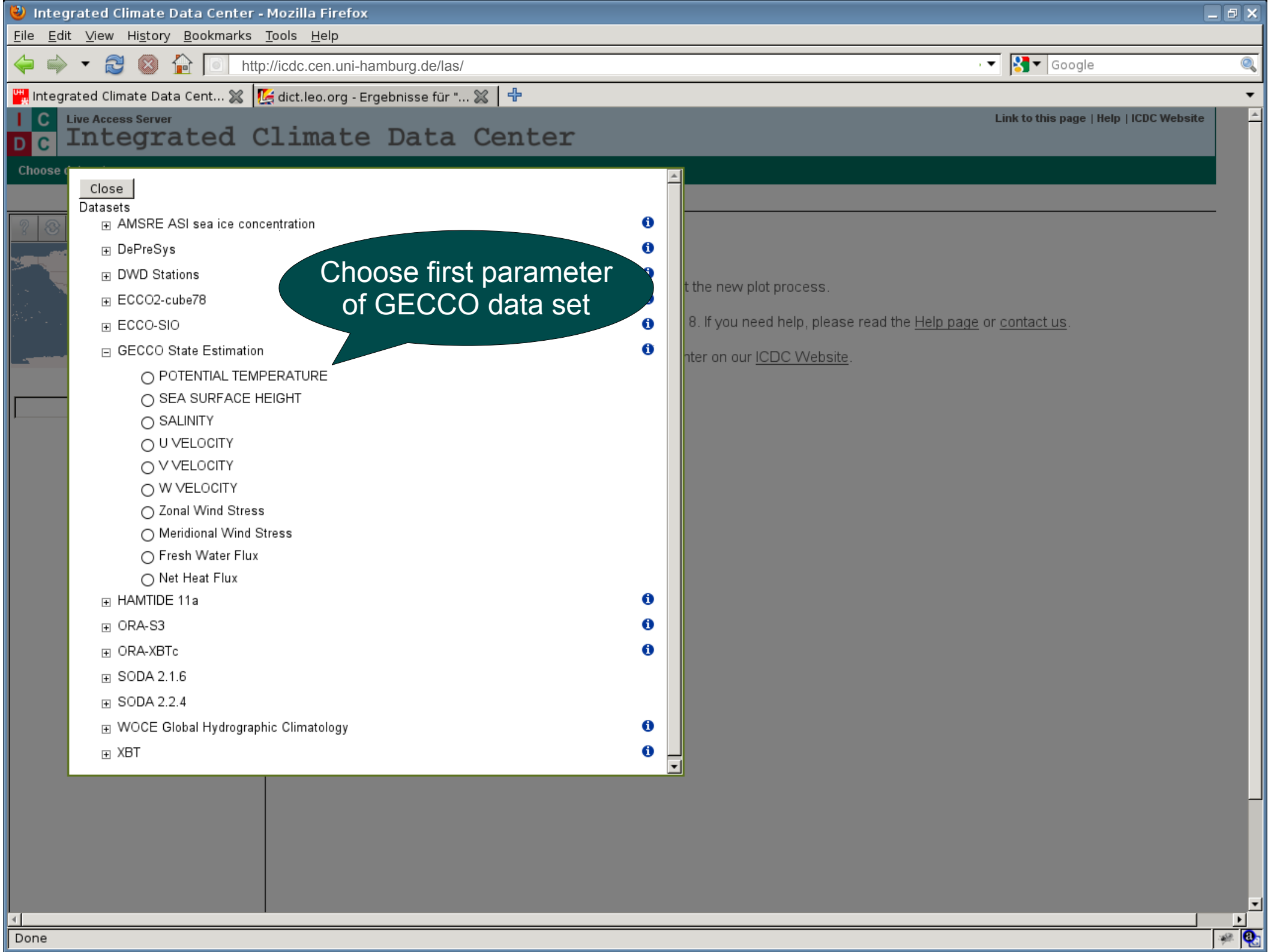
hoose dataset" link!

nstraints, click the "Update Plot" link to start the new plot process.

The supported web browsers are Firefox 3 and Internet Explorer 8. If you need help, please read the Help page or contact us.

There is more information about the Integrated Climate Data Center on our ICDC Website.

Done


Integrated Climate Data Center - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://icdc.cen.uni-hamburg.de/las/
Google
Integrated Climate Data Cent...
dict.leo.org - Ergebnisse für "...
Live Access Server
Integrated Climate Data Center
Link to this page | Help | ICDC Website
Close
Datasets
AMSRE ASI sea ice concentration
DePreSys
DWD Stations
ECCO2-cube78
ECCO-SIO
GECCO State Estimation
POTENTIAL TEMPERATURE
SEA SURFACE HEIGHT
SALINITY
U VELOCITY
V VELOCITY
W VELOCITY
Zonal Wind Stress
Meridional Wind Stress
Fresh Water Flux
Net Heat Flux
HAMTIDE 11a
ORA-S3
ORA-XBTc
SODA 2.1.6
SODA 2.2.4
WOCE Global Hydrographic Climatology
XBT
Choose first parameter of GECCO data set
t the new plot process.
8. If you need help, please read the Help page or contact us.
nter on our ICDC Website.
Done

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

Integrated Climate Data Cent... | dict.leo.org - Ergebnisse für "...

Live Access Server

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Choose dataset | Update Plot ☑ | Set plot options | Compare | Google Earth | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation POTEN...EMPERATURE

Check “Update Plot” to renew the plot immediately after changing constraints

79.5 N

0.5 E 0.5 W

79.5 S

MAPS

- (•) Latitude-Longitude

LINE PLOTS

- ( ) Time series
- ( ) Depth
- ( ) Longitude
- ( ) Latitude

VERTICAL SECTION PLOTS

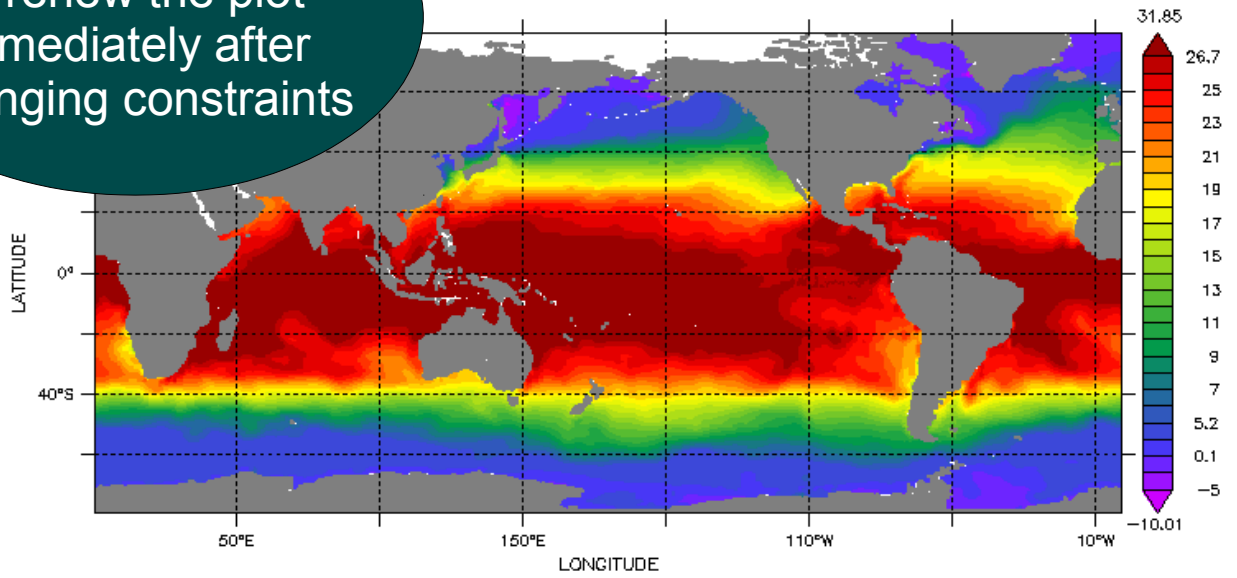
- ( ) Longitude-depth
- ( ) Latitude-depth

Date : Jan 1952

Depth (meters) : 5

LAS 7.+, ICDC Klimacampus Hamburg 23-Mar-11

DATA SET: GECCO Potential Temperature



POTENTIAL TEMPERATURE (deg C)

Done

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

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Live Access Server

Integrated Climate Data Center

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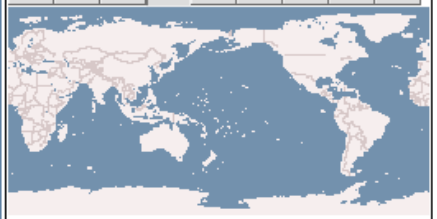
Choose dataset | Update Plot ☑ | Set plot options | Compare | Google Earth | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation | POTENTIAL TEMPERATURE



79.5 N

0.5 E | 0.5 W

79.5 S

MAPS

- (•) Latitude-Longitude

LINE PLOTS

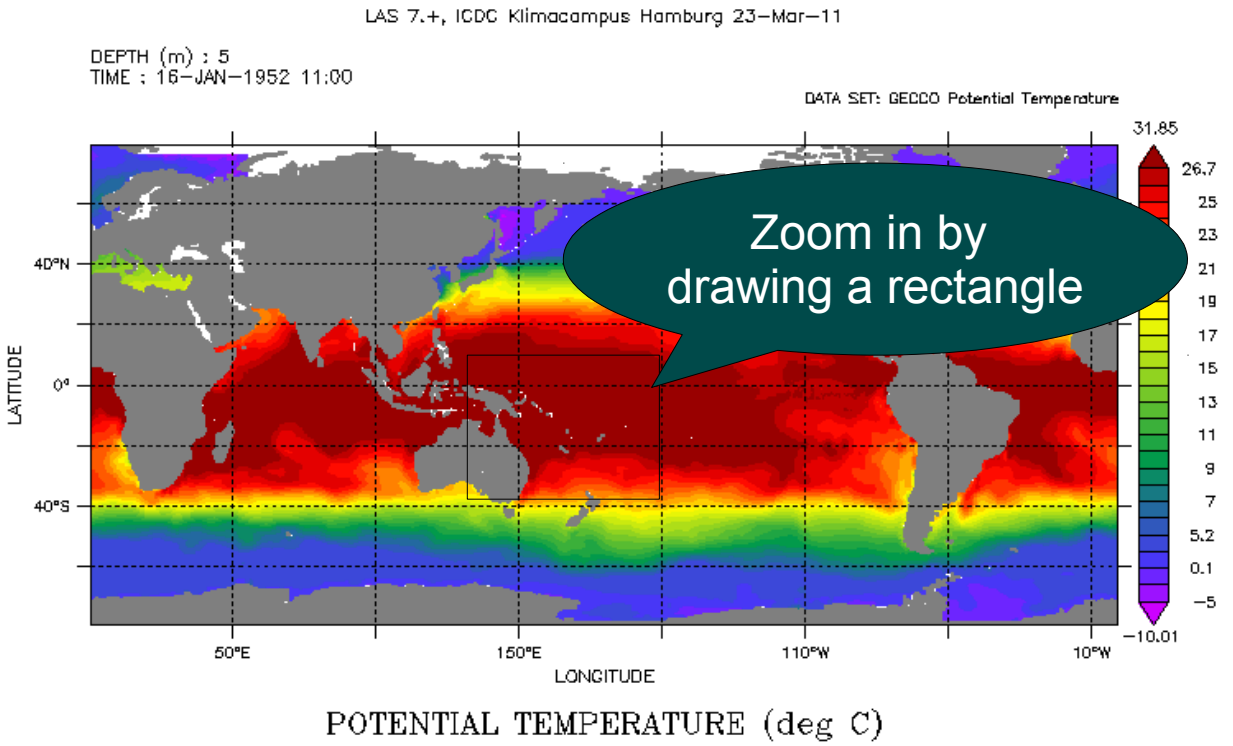
- ( ) Time series
- ( ) Depth
- ( ) Longitude
- ( ) Latitude

VERTICAL SECTION PLOTS

- ( ) Longitude-depth
- ( ) Latitude-depth

Date : Jan | 1952

Depth (meters) : 5



Done

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

Integrated Climate Data Cent...

Zoom out to original size

Link to this page | Help | ICDC Website

imate Data Center

options | Compare | Google Earth | Show Values | Export to Desktop Application | Save As ... | Print

GECC ...NTIAL TEMPERATURE

4.6 N

147.64 E | 163.29 W

41.14 S

MAPS

- (•) Latitude-Longitude

LINE PLOTS

- ( ) Time series
- ( ) Depth
- ( ) Longitude
- ( ) Latitude

VERTICAL SECTION PLOTS

- ( ) Longitude-depth
- ( ) Latitude-depth

Date : Jan | 1952

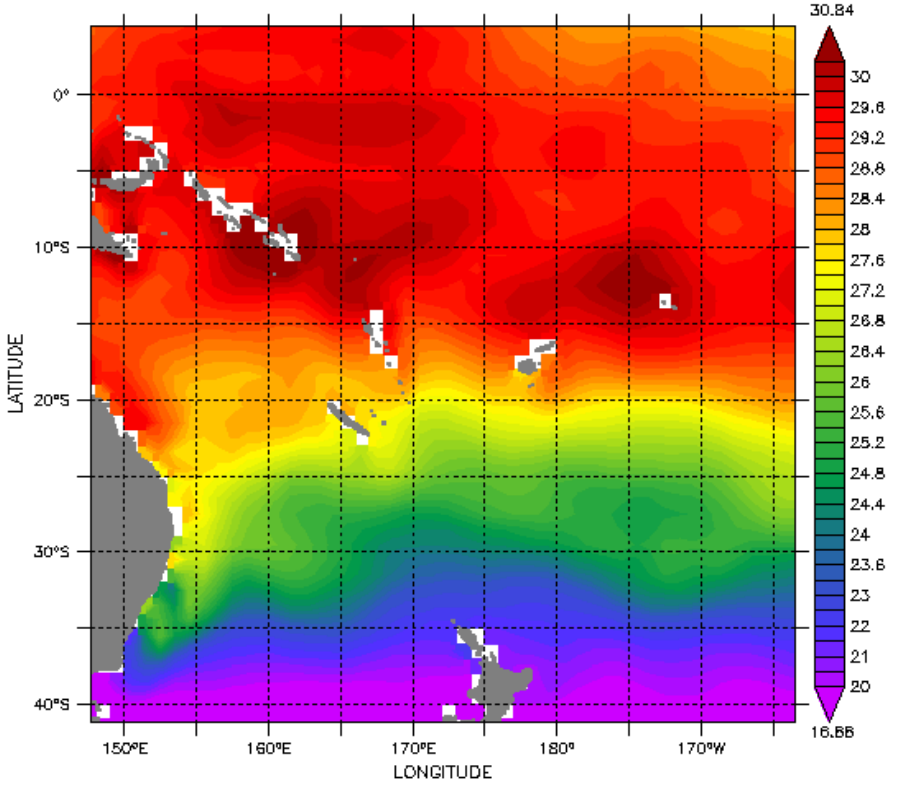
Depth (meters) : 5

LAS 7.+, ICDC Klimacampus Hamburg 4-Apr-11

DEPTH (m) : 5

TIME : 16-JAN-1952 11:00

DATA SET: GECCO Potential Temperature



POTENTIAL TEMPERATURE (deg C)

Done

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File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

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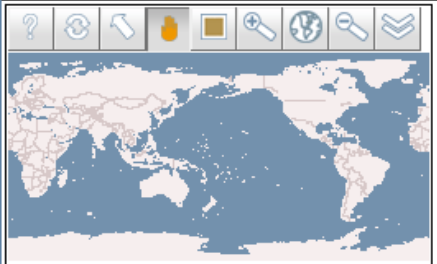
Live Access Server

Integrated Climate Data Center

Link to this page | Help | ICDC Website

Choose dataset | Update Plot | Set plot options | Compare | Google Earth | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation | POTENTIAL TEMPERATURE



79.5 N

0.5 E | 0.5 W

79.5 S

MAPS

- (•) Latitude-Longitude

LINE PLOTS

- ( ) Time series
- ( ) Depth
- ( ) Longitude
- ( ) Latitude

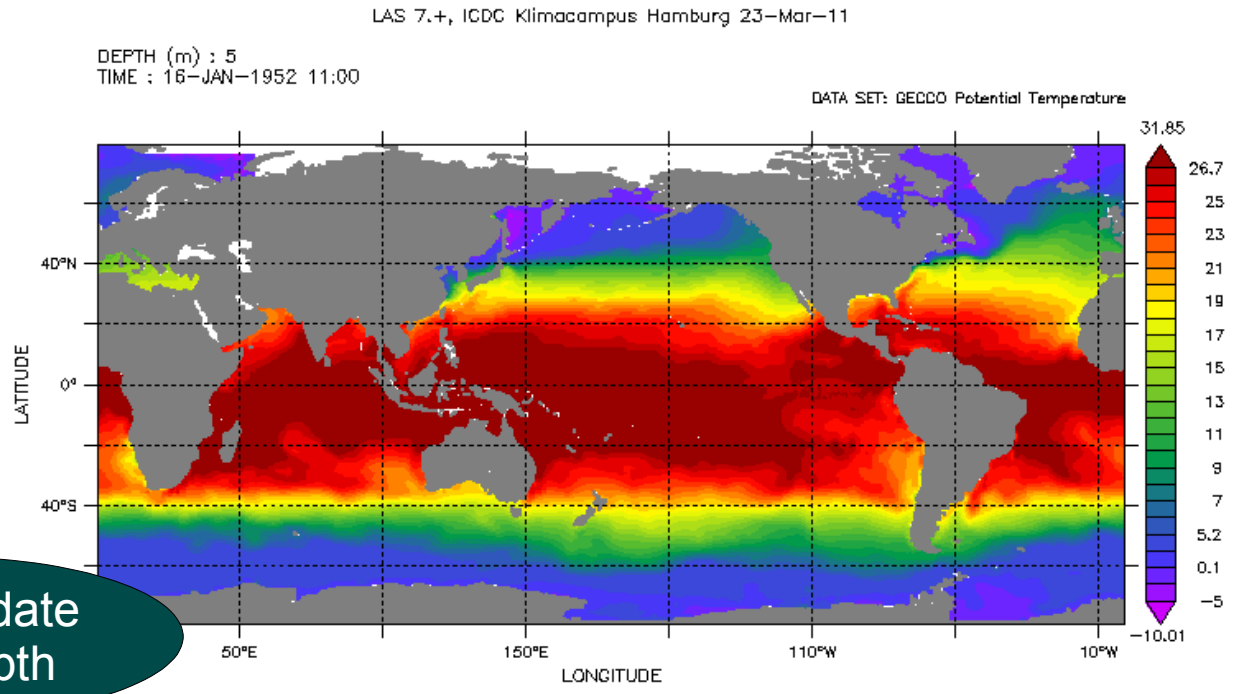
VERTICAL SECT

- ( ) Longitude-depth
- ( ) Latitude-depth

Change date and depth

Date : Jan | 1952

Depth (meters) : 5



POTENTIAL TEMPERATURE (deg C)

Done

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File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

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Live Access Server

Integrated Climate Data Center

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Choose dataset | Update Plot | Set plot options | Compare | Google Earth | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation | POTENTIAL TEMPERATURE

POTENTIAL TEMPERATURE
SEA SURFACE HEIGHT
SALINITY
U VELOCITY
V VELOCITY
W VELOCITY
Zonal Wind Stress
Meridional Wind Stress
Fresh Water Flux
Net Heat Flux

79.5 N
0.5 E | 0.5 W
79.5 S

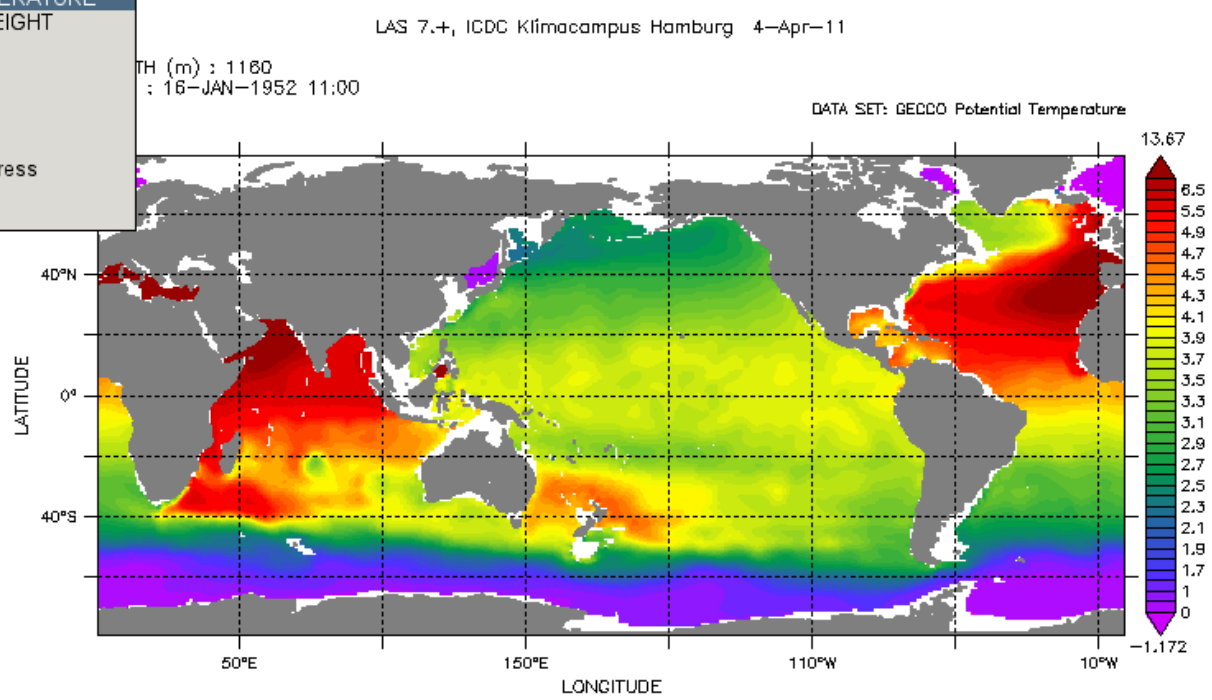
MAPS
- (•) Latitude-Longitude

LINE PLOTS
- ( ) Time series
- ( ) Depth
- ( ) Longitude
- ( ) Latitude

VERTICAL SECTION PLOTS
- ( ) Longitude-depth
- ( ) Latitude-depth

Date : Jan | 1952

Depth (meters) : 1160



POTENTIAL TEMPERATURE (deg C)

Done

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File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

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Live Access Server

Integrated Climate Data Center

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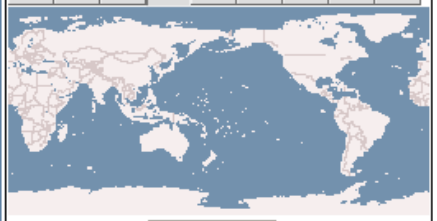
Choose dataset | Update Plot ☑ | Set plot options | Compare | Google Earth | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation | SEA SURFACE HEIGHT



0.5 E

Change plot type to Time series

MAPS

◉ Latitude

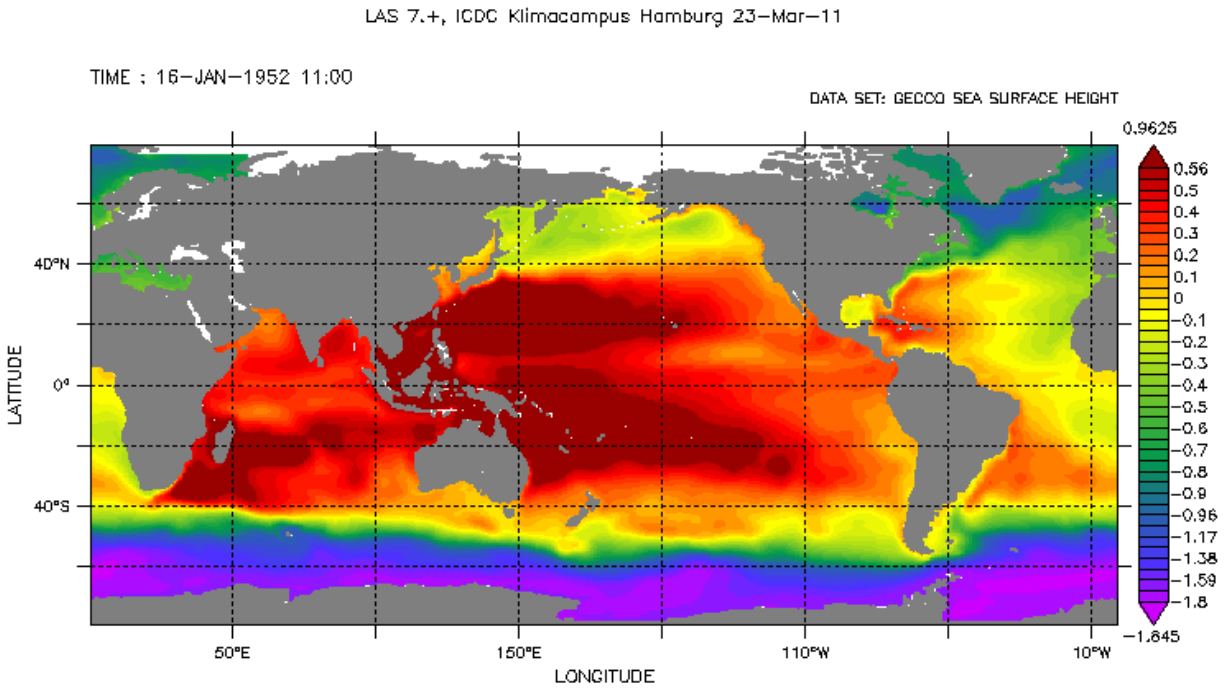
LINE PLOTS

○ Time series

○ Longitude

○ Latitude

Date : Jan | 1952



Done

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

Google

Switch to circle tool to change location

Link to this page | Help | ICDC Website

Data Center

Choose dataset | Set plot options | Compare | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Est... SEA SURFACE HEIGHT

0 S

180 E | 180 E

0 S

MAPS

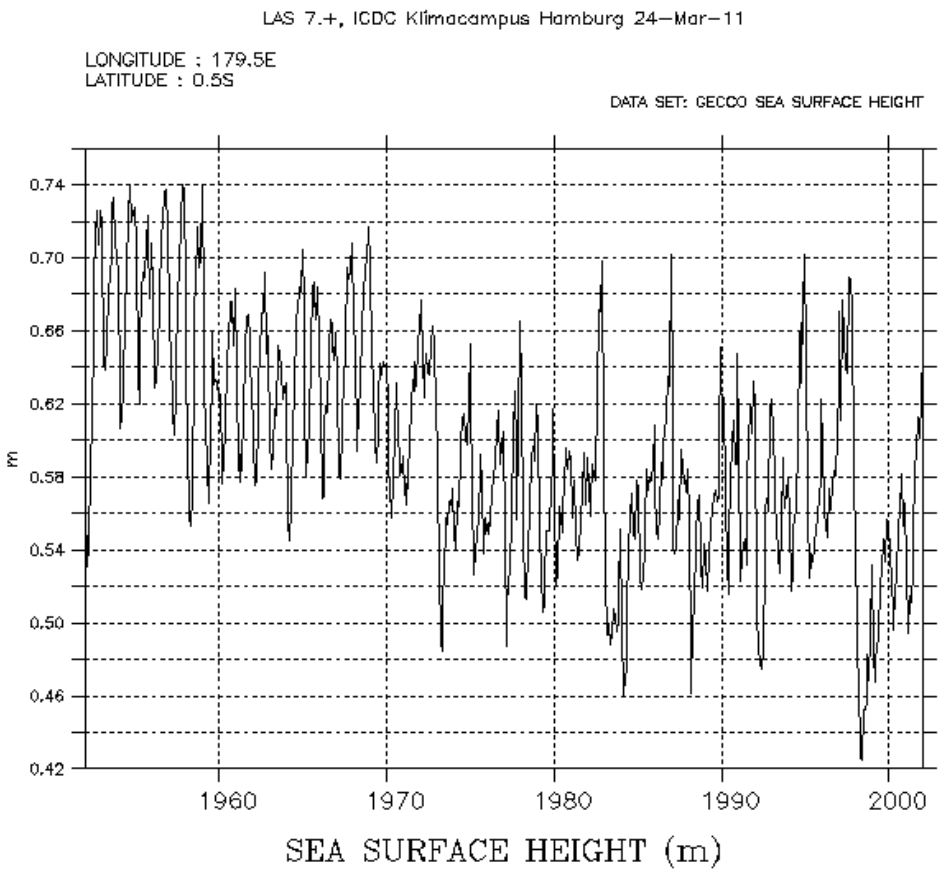
- Latitude-Longitude

LINE PLOTS

- Time series
- Longitude
- Latitude

Start Date : Jan 1952

End Date : Dec 2001



Link to this plot.

Done

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

Ozean Synthesen | Integrated Climate Data Cent...

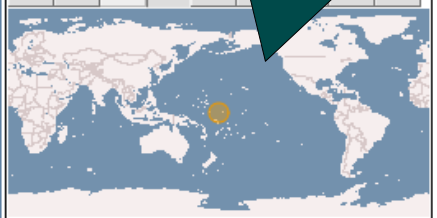
Change location by clicking on the map

Live Access Server

Integrated Climate Data Center

Link to this page | Help | ICDC Website

Show Values | Export to Desktop Application | Save As ... | Print



0 S

180 E | 180 E

0 S

MAPS

- ○ Latitude-Longitude

LINE PLOTS

- ◉ Time series
- ○ Longitude
- ○ Latitude

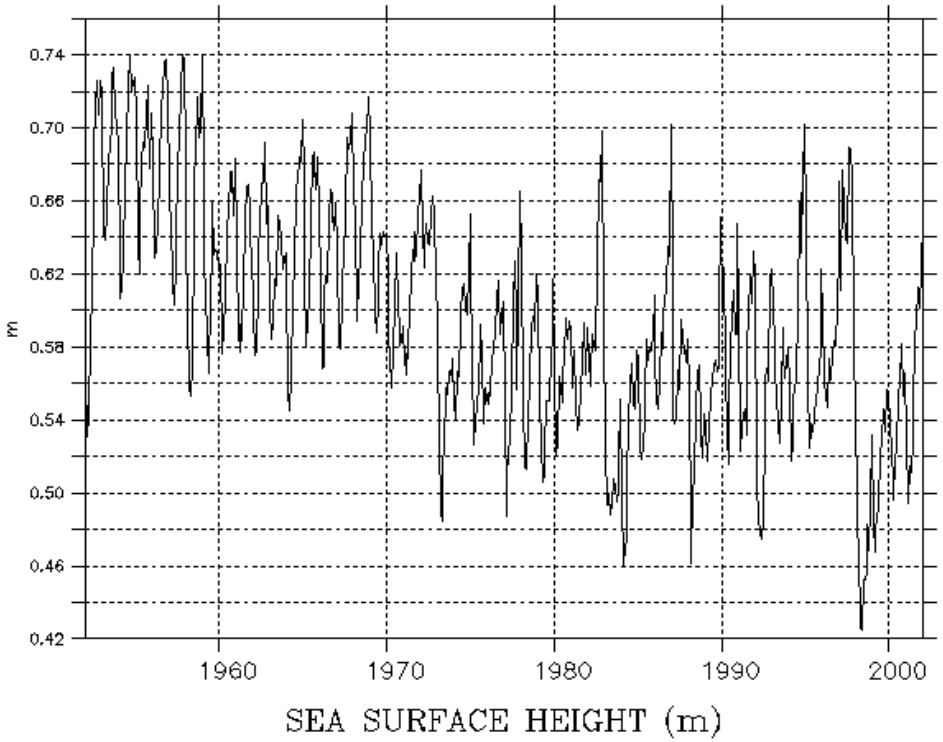
Start Date : Jan 1952

End Date : Dec 2001

LAS 7.4, ICDC Klimacampus Hamburg 24-Mar-11

LONGITUDE : 179.5E
LATITUDE : 0.5S

DATA SET: GECCO SEA SURFACE HEIGHT



Link to this plot.

Done

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

Ozean Synthesen | Integrated Climate Data Cent...

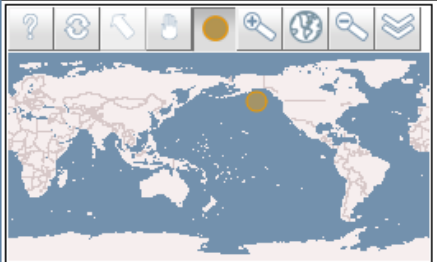
Live Access Server

Integrated Climate Data Center

Link to this page | Help | ICDC Website

Choose dataset | Update Plot | Set plot options | Compare | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation | SEA SURFACE HEIGHT



47.81 N

147.66 W | 147.66 W

47.81 N

MAPS

Latitude-Longitu

LINE PLOTS

Time ser

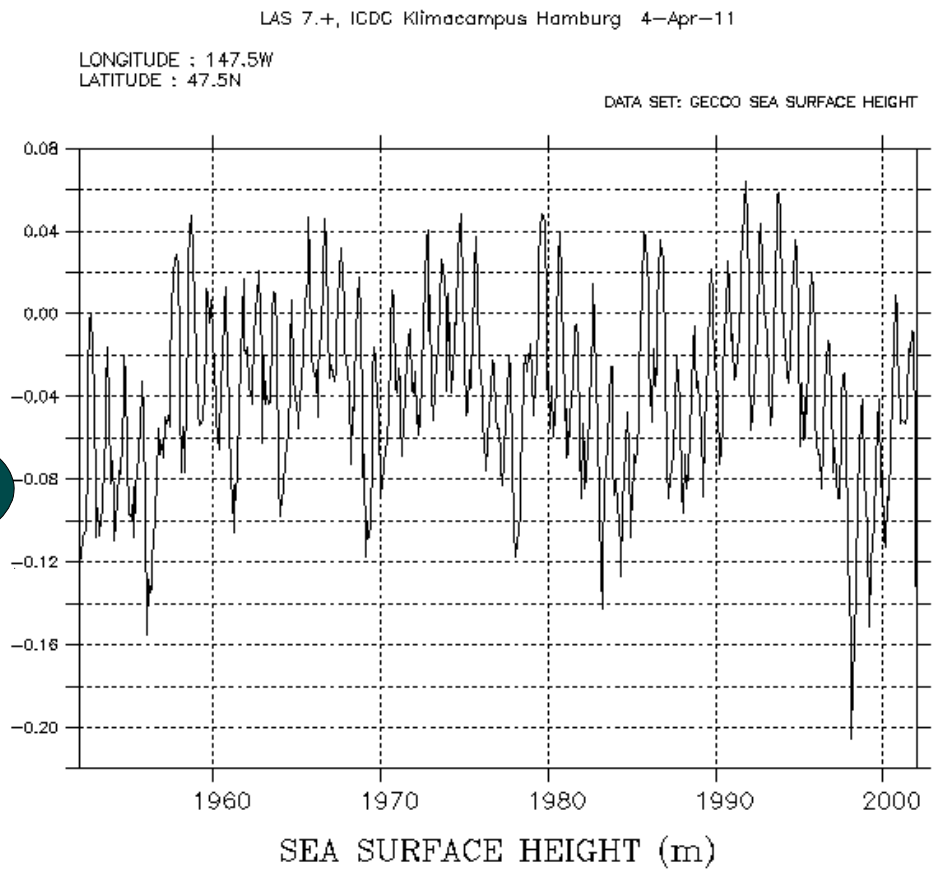
Longitude

Latitude

Change start and end date

Start Date : Jan 1952

End Date : Dec 2001



Link to this plot.

Done

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamb

Google

Ozean Synthesen | Integrated Cl

Change parameter to Salinity

Live Access Server

Integrated Climate

Link to this page | Help | ICDC Website

Choose dataset | Update Plot | Set plot options | Co | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation | SEA SURFACE HEIGHT

47.81 N

147.66 W | 147.66 W

47.81 N

MAPS

Latitude-Longitude

LINE PLOTS

Time series

Longitude

Latitude

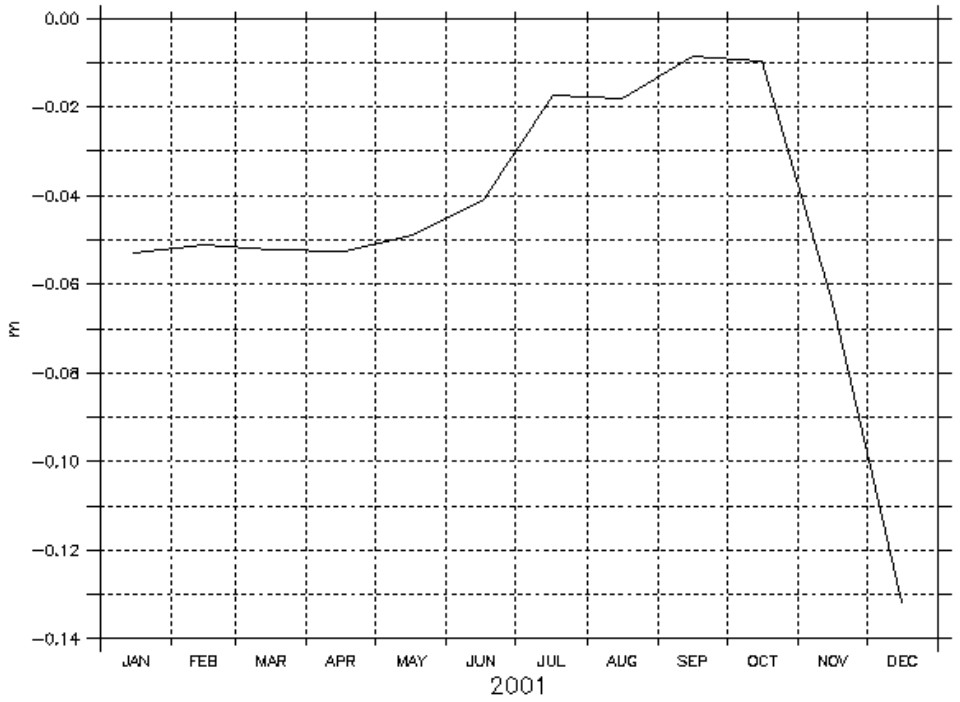
Start Date : Jan 2001

End Date : Dec 2001

LAS 7.+, ICDC Klimacampus Hamburg 4-Apr-11

LONGITUDE : 147.5W
LATITUDE : 47.5N

DATA SET: GECCO SEA SURFACE HEIGHT



SEA SURFACE HEIGHT (m)

Link to this plot.

Done

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

Ozean Synthesen | Integrated Climate Data Cent...

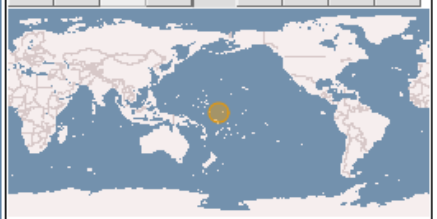
Live Access Server

Integrated Climate Data Center

Link to this page | Help | ICDC Website

Choose dataset | Update Plot | Set plot options | Compare | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation SALINITY



0 S

180 E

Change Plot type to section plot Longitude-depth

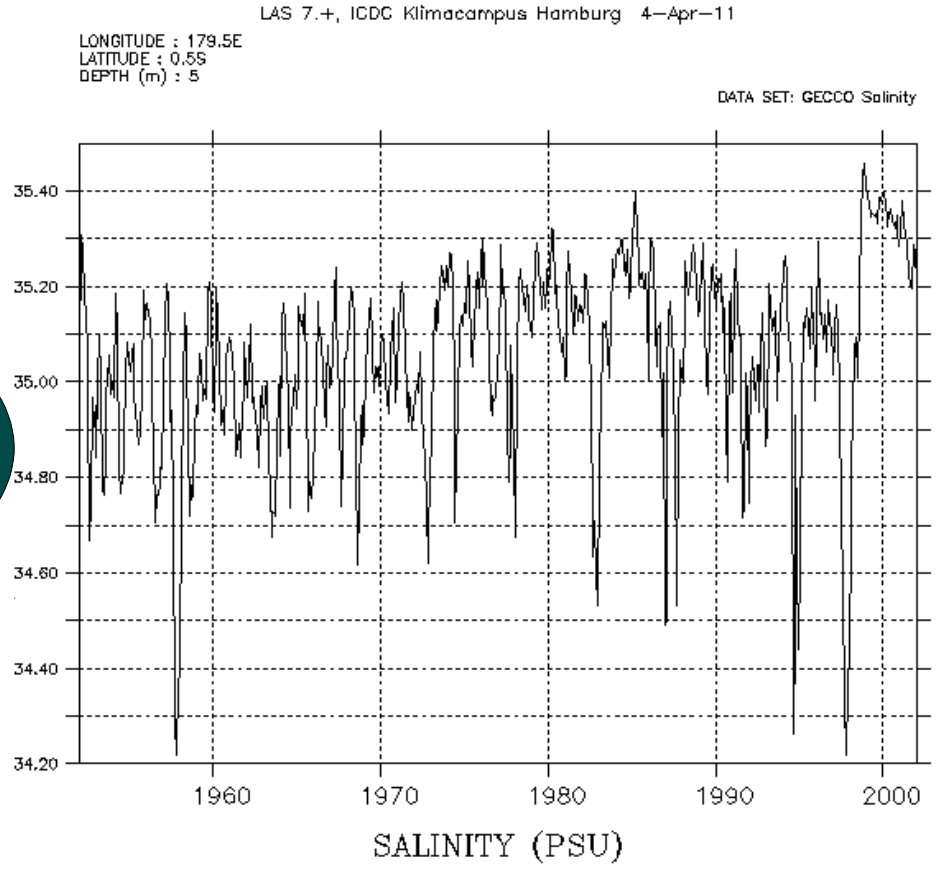
VERTICAL SECTION PLOTS

- Longitude-depth
- Latitude-depth

Start Date : Jan 1952

End Date : Dec 2001

Depth (meters) : 5



Link to this plot.

Done

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

Ozean Synthesen | Integrated Climate Data Cent...

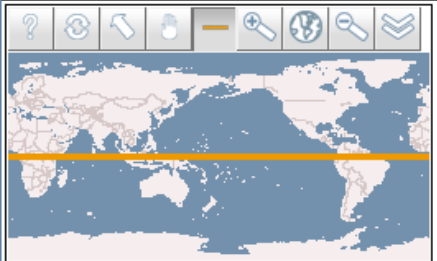
Live Access Server

Integrated Climate Data Center

Link to this page | Help | ICDC Website

Choose dataset | Update Plot | Set plot options | Compare | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation SALINITY



0 S

0.5 E | 0.5 W

0 S

MAPS

- Latitude-Longitude

LINE PLOTS

- Time series
- Depth
- Longitude
- Latitude

VERTICAL SECTION PLOTS

- Longitude-depth
- Latitude-depth

Date : Jan 2001

Minimum Depth (meters) : 5

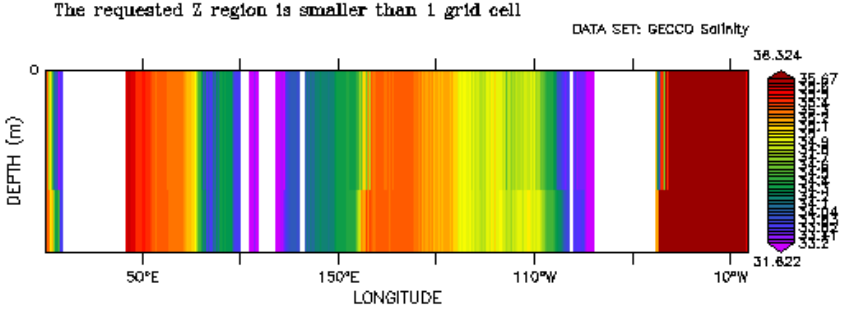
Maximum Depth (meters) : 5

Adjust min. and max. depth

LATITUDE : 0.5S
TIME : 15-JAN-2001 17:00

LAS 7.4, ICDC Klimacampus Hamburg 4-Apr-11

The requested Z region is smaller than 1 grid cell



SALINITY (PSU)

Link to this plot.

Done

Switch to arrow tool to change section length and position

Link to this page | Help | ICDC Website

Choose datas... | Set plot options | Compare | Show Values | Export to Desktop Application | Save As ... | Print

GECCO S... Estimation SALINITY

0 S
0.5 E | 0.5 W
0 S

MAPS
- Latitude-Longitude

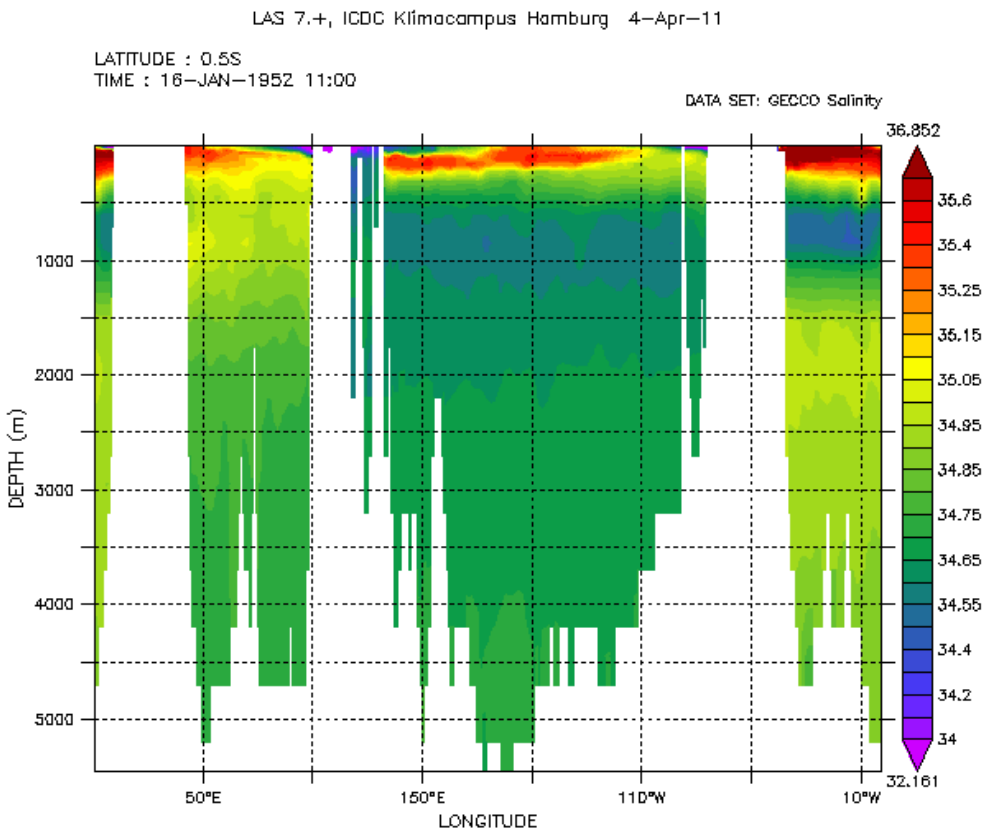
LINE PLOTS
- Time series
- Depth
- Longitude
- Latitude

VERTICAL SECTION PLOTS
- Longitude-depth
- Latitude-depth

Date : Jan 1952

Minimum Depth (meters) : 5

Maximum Depth (meters) : 5450



SALINITY (PSU)

Link to this plot.

Done

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

Ozean Synthesen | Integrated Climate Data Cent...

Live Access Server

Integrated Climate Data Center

Link to this page | Help | ICDC Website

Choose dat... Compare Show Values Export to Desktop Application Save As ... Print

GECCO S...

Change section center

Change section length

22.5 N

116.73 E

22.5 N

MAPS

- Latitude-Longitude

LINE PLOTS

- Time series
- Depth
- Longitude
- Latitude

VERTICAL SECTION PLOTS

- Longitude-depth
- Latitude-depth

Date : Jan 1952

Minimum Depth (meters) : 5

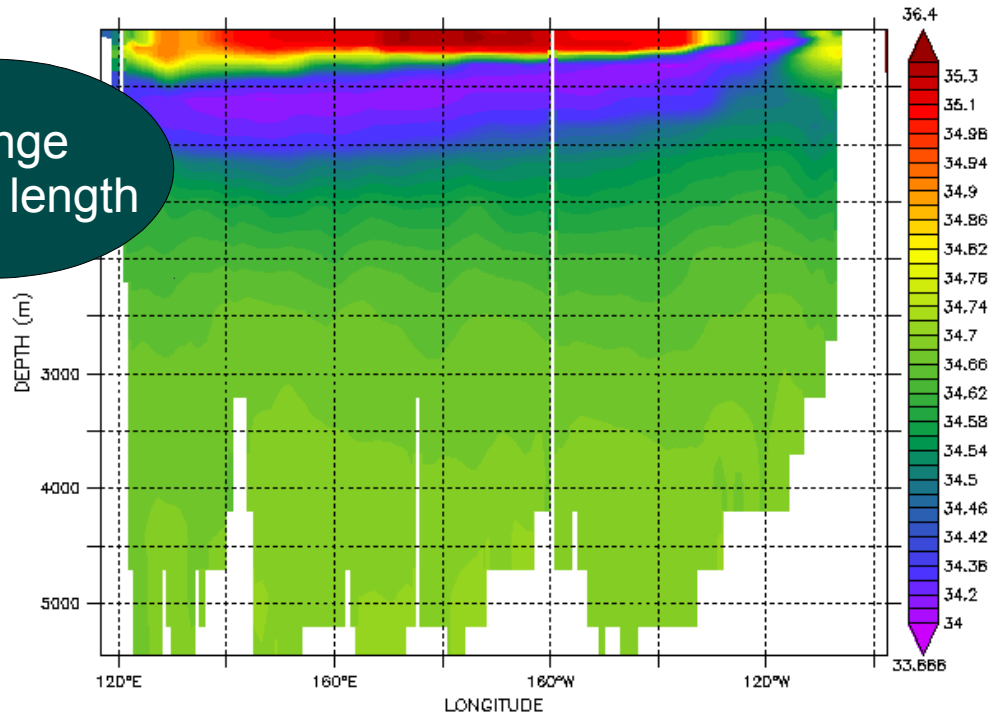
Maximum Depth (meters) : 5450

LAS 7.+, ICDC Klimacampus Hamburg 4-Apr-11

LATITUDE : 22.5N

TIME : 16-JAN-1952 11:00

DATA SET: GECCO Salinity



SALINITY (PSU)

Link to this plot.

Done

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

Integrated Climate Data Center

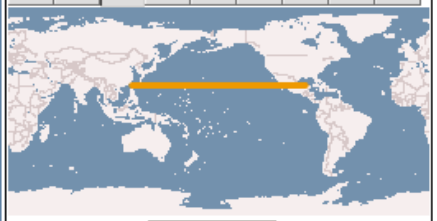
Live Access Server

Integrated Climate Data Center

Link to this page | Help | ICDC Website

Choose dataset | Update Plot | Set plot options | Compare | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation SALINITY



22.5 N

121.44 E | 90.5 W

22.5 N

MAPS

- Latitude-Longitude

LINE PLOTS

- Time series
- Depth
- Longitude
- Latitude

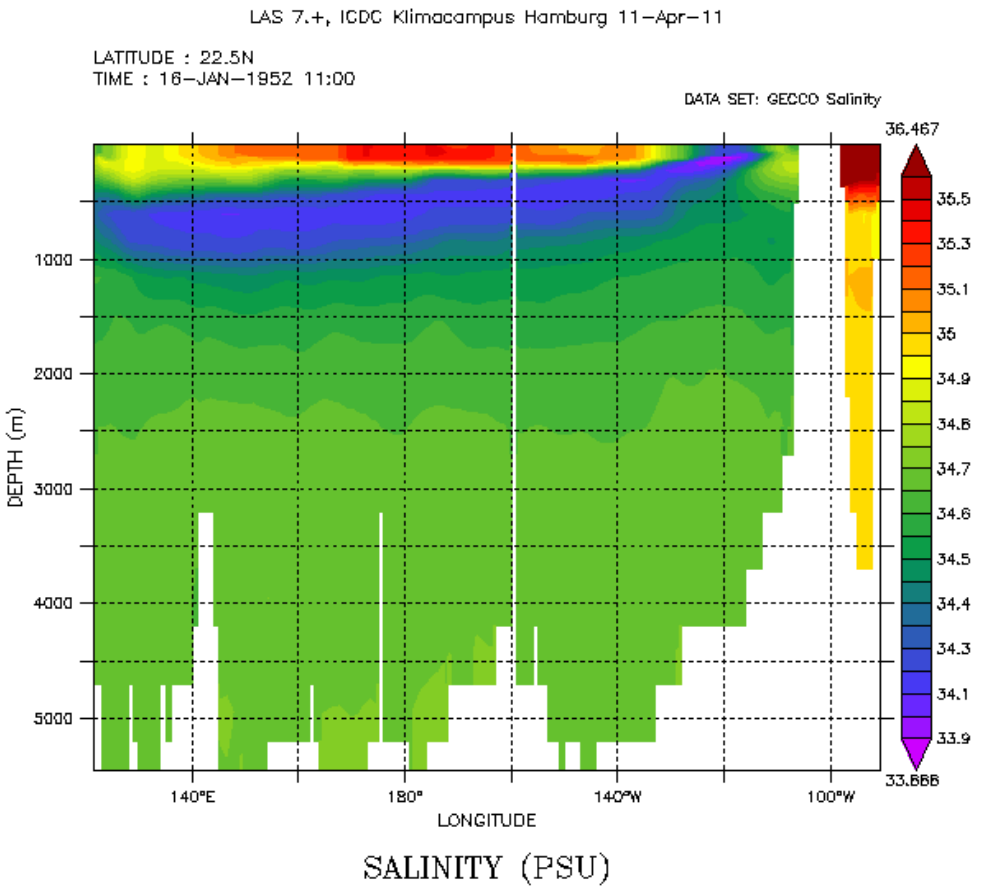
VERTICAL SECTION PLOTS

- Longitude-depth
- Latitude-depth

Date : Jan 1952

Minimum Depth (meters) : 5

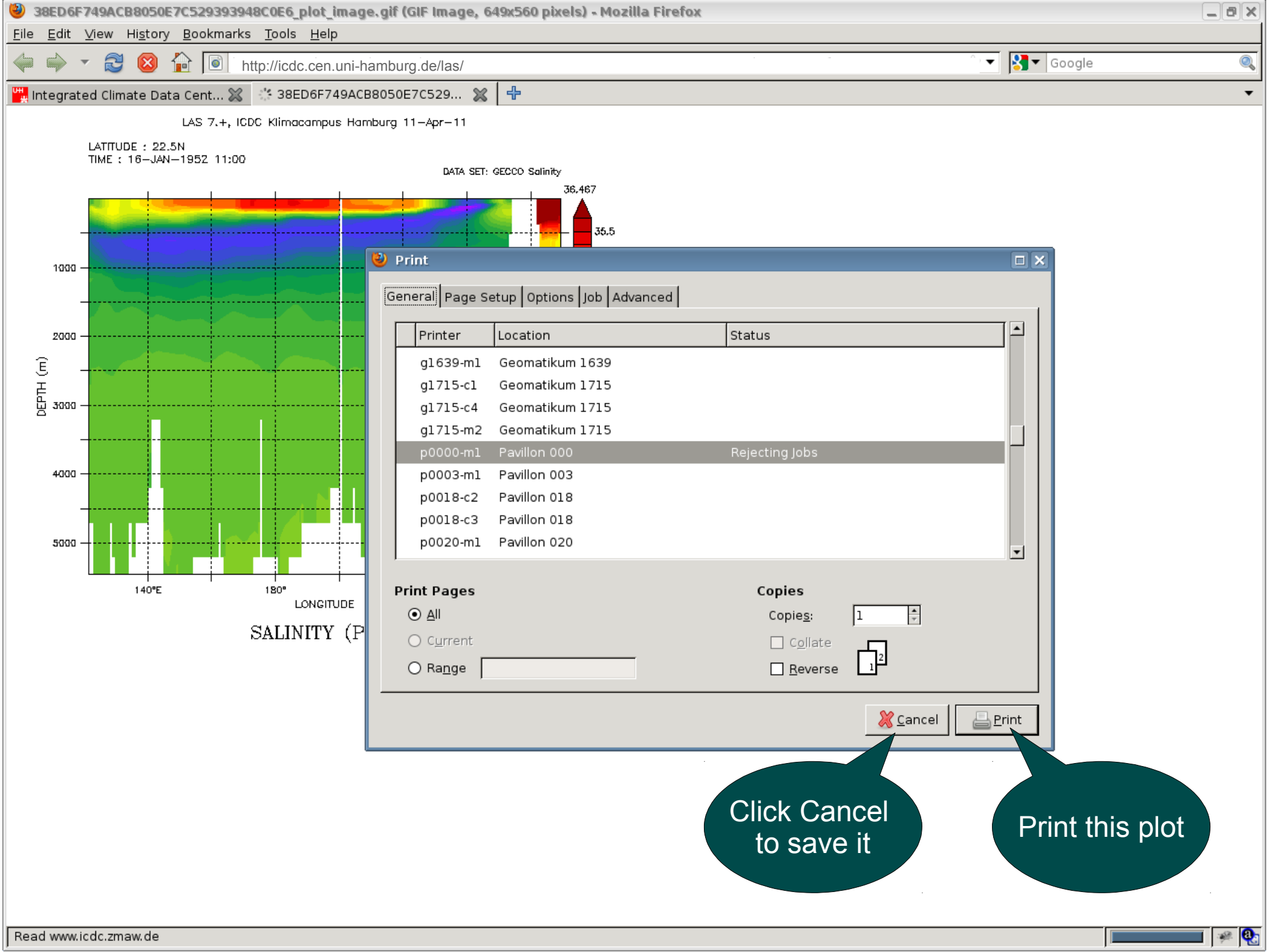
Maximum Depth (meters) : 5450



Print or save this plot

Link to this plot.

Done

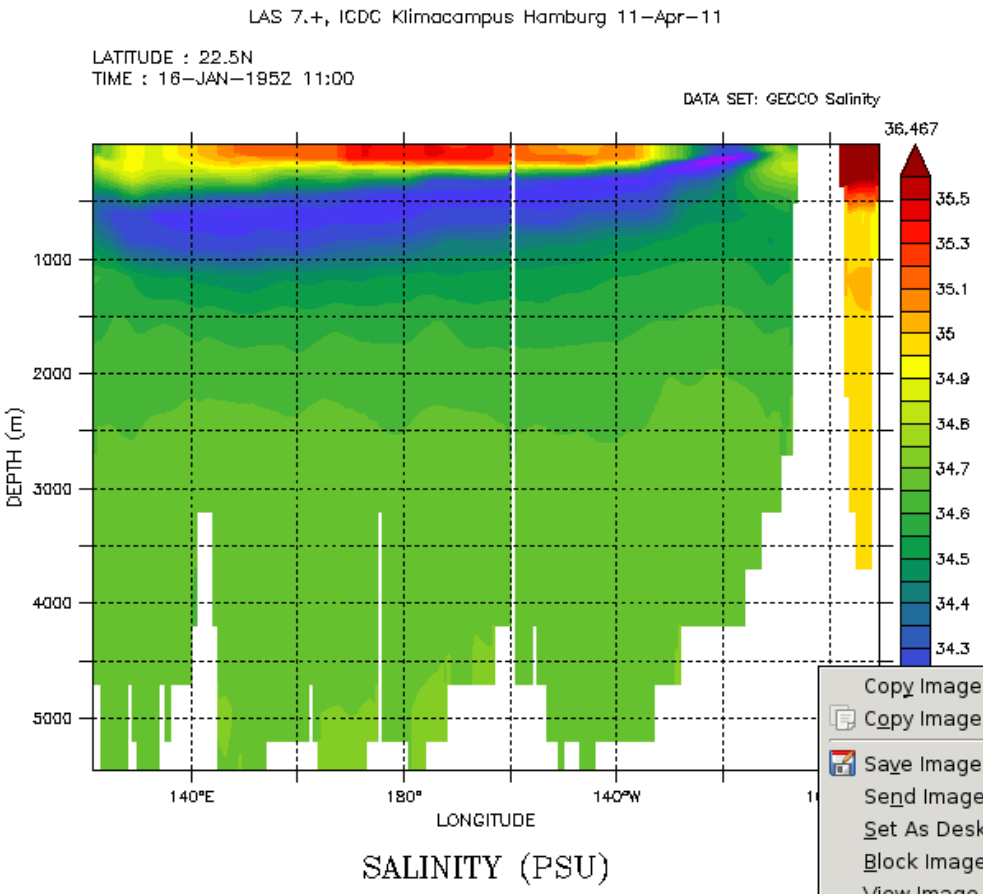

38ED6F749ACB8050E7C529393948C0E6_plot_image.gif (GIF Image, 649x560 pixels) - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://icdc.cen.uni-hamburg.de/las/
Google
Integrated Climate Data Cent...
38ED6F749ACB8050E7C529...
LAS 7.+, ICDC Klimacampus Hamburg 11-Apr-11
LATITUDE : 22.5N
TIME : 16-JAN-1952 11:00
DATA SET: GECCO Salinity
36.467
35.5
1000
2000
3000
4000
5000
DEPTH (m)
140°E
180°
LONGITUDE
SALINITY (P
Print
General
Page Setup
Options
Job
Advanced
Printer
Location
Status
g1639-m1 Geomatikum 1639
g1715-c1 Geomatikum 1715
g1715-c4 Geomatikum 1715
g1715-m2 Geomatikum 1715
p0000-m1 Pavillon 000 Rejecting Jobs
p0003-m1 Pavillon 003
p0018-c2 Pavillon 018
p0018-c3 Pavillon 018
p0020-m1 Pavillon 020
Print Pages
All
Current
Range
Copies
Copies:
1
Collate
Reverse
Cancel
Print
Click Cancel to save it
Print this plot
Read www.icdc.zmaw.de

38ED6F749ACB8050E7C529393948C0E6_plot_image.gif (GIF Image, 649x560 pixels) - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

Integrated Climate Data Cent... | 38ED6F749ACB8050E7C529...



Right click on the image and choose "Save Image As ..."

- Copy Image
- Copy Image Location
- Save Image As...
- Send Image...
- Set As Desktop Background...
- Block Images from icdc.zmaw.de
- View Image Info
- Open With Editor
- Web Developer
- Inspect Element

Done

Integrated Climate Data Center - Mozilla Firefox

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http://icdc.cen.uni-hamburg.de/las/

Integrated Climate Data Center

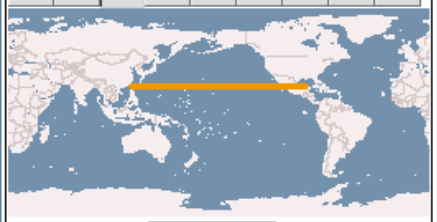
Live Access Server

Integrated Climate Data Center

Link to this page | Help | ICDC Website

Choose dataset | Update Plot ☑ | Set plot options | Compare | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation SALINITY



22.5 N

121.44 E | 90.5 W

22.5 N

MAPS

- ○ Latitude-Longitude

LINE PLOTS

- ○ Time series
- ○ Depth
- ○ Longitude
- ○ Latitude

VERTICAL SECTION PLOTS

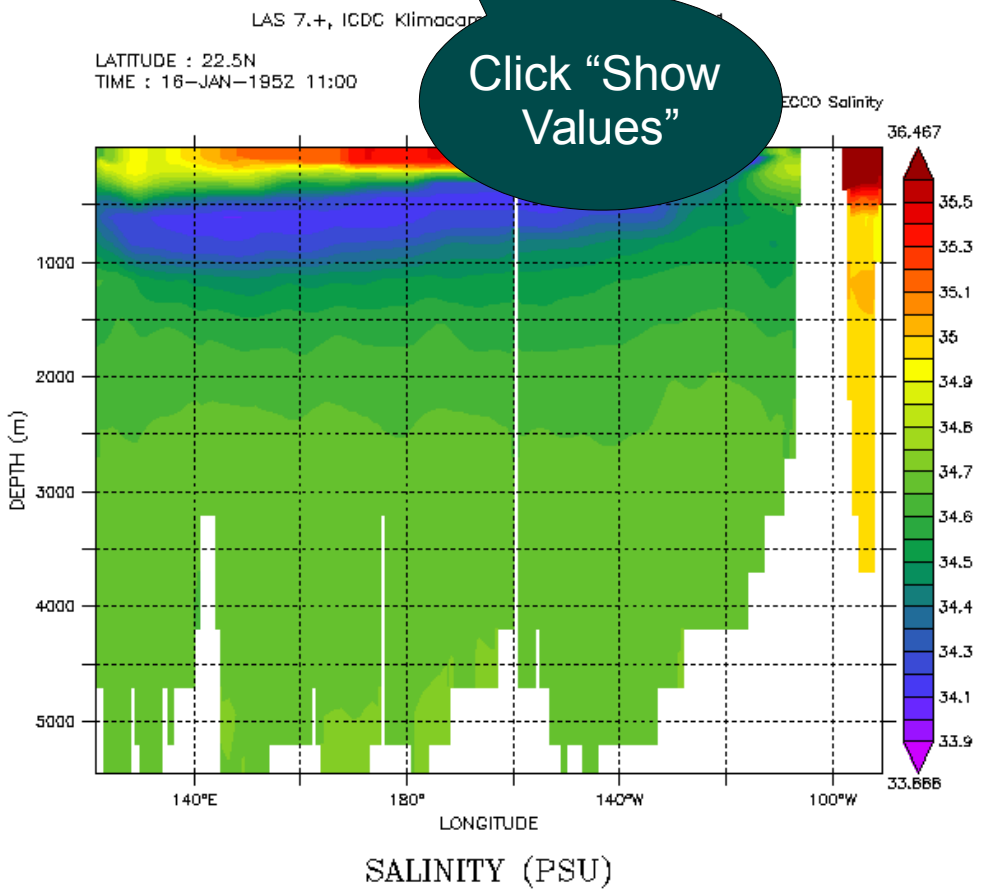
- ◉ Longitude-depth
- ○ Latitude-depth

Date : Jan 1952

Minimum Depth (meters) : 5

Maximum Depth (meters) : 5450

Click “Show Values”



SALINITY (PSU)

Link to this plot.

Done

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

Integrated Climate Data Center

Live Access Server

Integrated Climate Data Center

Link to this page | Help | ICDC Website

Desktop Application Save As ... Print

OK Reset Cancel

Evaluate expression

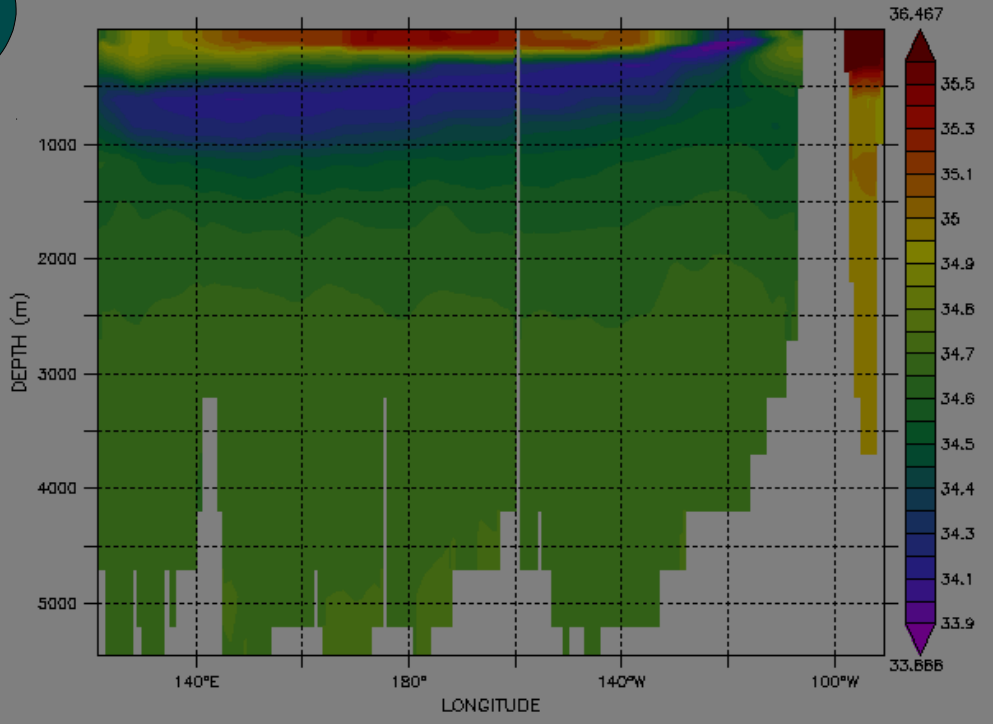
Interp normal to plot Off

Click OK

-Apr-11

LATITUDE : 22.5N
TIME : 16-JAN-1952 11:00

DATA SET: GECCO Salinity



SALINITY (PSU)

Link to this plot.

22.5 N
121.44 E
90.5 W
22.5 N

MAPS
- Latitude-Longitude

LINE PLOTS
- Time series
- Depth
- Longitude
- Latitude

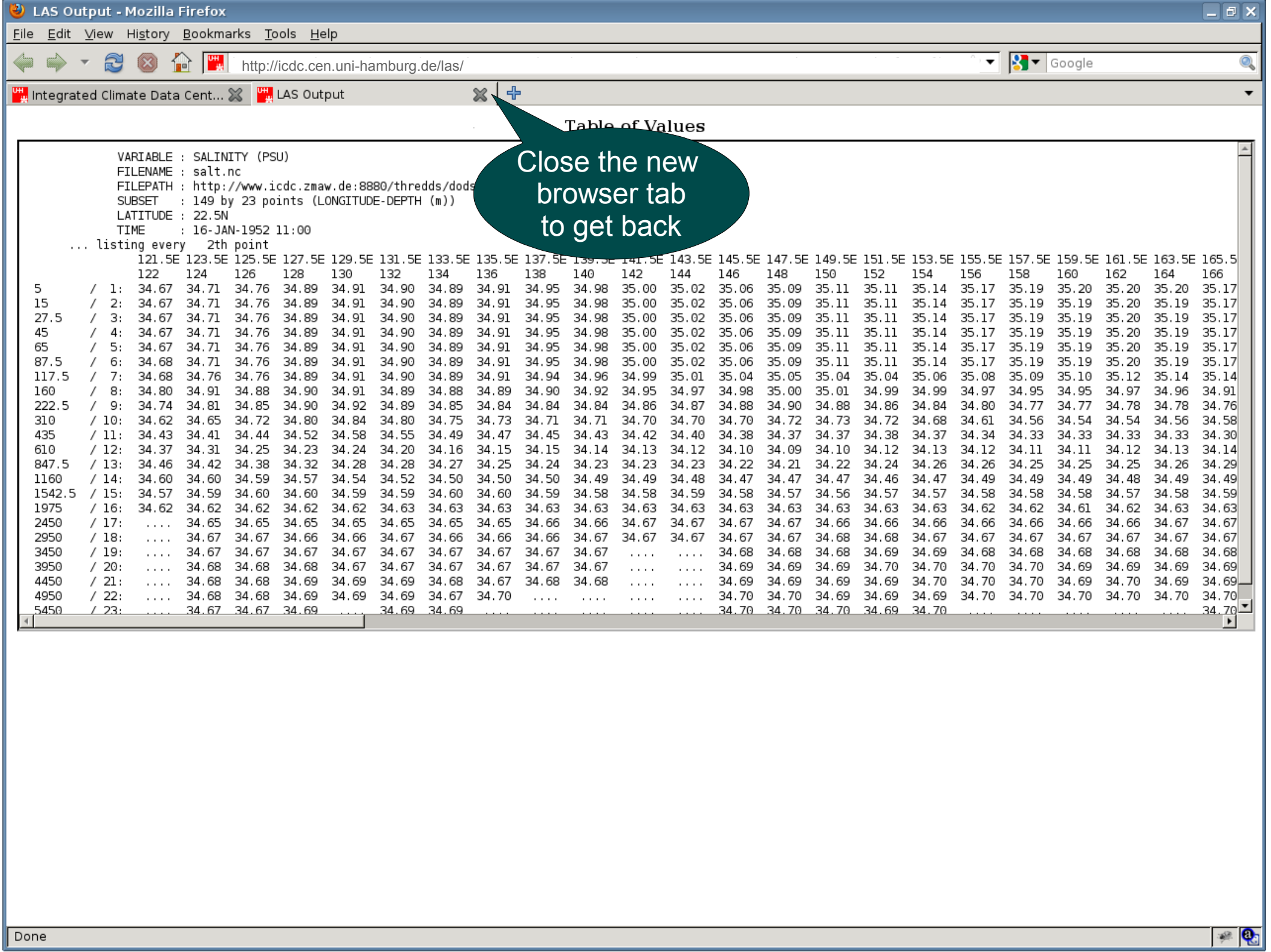
VERTICAL SECTION PLOTS
- Longitude-depth
- Latitude-depth

Date : Jan 1952

Minimum Depth (meters) : 5

Maximum Depth (meters) : 5450

Done


LAS Output - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://icdc.cen.uni-hamburg.de/las/
Google
Integrated Climate Data Cent...
LAS Output
Close the new browser tab to get back
Table of Values
VARIABLE : SALINITY (PSU)
FILENAME : salt.nc
FILEPATH : http://www.icdc.zmaw.de:8880/thredds/dods
SUBSET : 149 by 23 points (LONGITUDE-DEPTH (m))
LATITUDE : 22.5N
TIME : 16-JAN-1952 11:00
... listing every 2th point
121.5E 123.5E 125.5E 127.5E 129.5E 131.5E 133.5E 135.5E 137.5E 139.5E 141.5E 143.5E 145.5E 147.5E 149.5E 151.5E 153.5E 155.5E 157.5E 159.5E 161.5E 163.5E 165.5
122 124 126 128 130 132 134 136 138 140 142 144 146 148 150 152 154 156 158 160 162 164 166
5 / 1: 34.67 34.71 34.76 34.89 34.91 34.90 34.89 34.91 34.95 34.98 35.00 35.02 35.06 35.09 35.11 35.11 35.14 35.17 35.19 35.20 35.20 35.20 35.17
15 / 2: 34.67 34.71 34.76 34.89 34.91 34.90 34.89 34.91 34.95 34.98 35.00 35.02 35.06 35.09 35.11 35.11 35.14 35.17 35.19 35.19 35.20 35.19 35.17
27.5 / 3: 34.67 34.71 34.76 34.89 34.91 34.90 34.89 34.91 34.95 34.98 35.00 35.02 35.06 35.09 35.11 35.11 35.14 35.17 35.19 35.19 35.20 35.19 35.17
45 / 4: 34.67 34.71 34.76 34.89 34.91 34.90 34.89 34.91 34.95 34.98 35.00 35.02 35.06 35.09 35.11 35.11 35.14 35.17 35.19 35.19 35.20 35.19 35.17
65 / 5: 34.67 34.71 34.76 34.89 34.91 34.90 34.89 34.91 34.95 34.98 35.00 35.02 35.06 35.09 35.11 35.11 35.14 35.17 35.19 35.19 35.20 35.19 35.17
87.5 / 6: 34.68 34.71 34.76 34.89 34.91 34.90 34.89 34.91 34.95 34.98 35.00 35.02 35.06 35.09 35.11 35.11 35.14 35.17 35.19 35.19 35.20 35.19 35.17
117.5 / 7: 34.68 34.76 34.76 34.89 34.91 34.90 34.89 34.91 34.94 34.96 34.99 35.01 35.04 35.05 35.04 35.04 35.06 35.08 35.09 35.10 35.12 35.14 35.14
160 / 8: 34.80 34.91 34.88 34.90 34.91 34.89 34.88 34.89 34.90 34.92 34.95 34.97 34.98 35.00 35.01 34.99 34.99 34.97 34.95 34.95 34.97 34.96 34.91
222.5 / 9: 34.74 34.81 34.85 34.90 34.92 34.89 34.85 34.84 34.84 34.84 34.86 34.87 34.88 34.90 34.88 34.86 34.84 34.80 34.77 34.77 34.78 34.78 34.76
310 / 10: 34.62 34.65 34.72 34.80 34.84 34.80 34.75 34.73 34.71 34.71 34.70 34.70 34.70 34.72 34.73 34.72 34.68 34.61 34.56 34.54 34.54 34.56 34.58
435 / 11: 34.43 34.41 34.44 34.52 34.58 34.55 34.49 34.47 34.45 34.43 34.42 34.40 34.38 34.37 34.37 34.38 34.37 34.34 34.33 34.33 34.33 34.33 34.30
610 / 12: 34.37 34.31 34.25 34.23 34.24 34.20 34.16 34.15 34.15 34.14 34.13 34.12 34.10 34.09 34.10 34.12 34.13 34.12 34.11 34.11 34.12 34.13 34.14
847.5 / 13: 34.46 34.42 34.38 34.32 34.28 34.28 34.27 34.25 34.24 34.23 34.23 34.23 34.22 34.21 34.22 34.24 34.26 34.26 34.25 34.25 34.25 34.26 34.29
1160 / 14: 34.60 34.60 34.59 34.57 34.54 34.52 34.50 34.50 34.50 34.49 34.49 34.48 34.47 34.47 34.47 34.46 34.47 34.49 34.49 34.49 34.48 34.49 34.49
1542.5 / 15: 34.57 34.59 34.60 34.60 34.59 34.59 34.60 34.60 34.59 34.58 34.58 34.59 34.58 34.57 34.56 34.57 34.57 34.58 34.58 34.58 34.57 34.58 34.59
1975 / 16: 34.62 34.62 34.62 34.62 34.62 34.63 34.63 34.63 34.63 34.63 34.63 34.63 34.63 34.63 34.63 34.63 34.63 34.62 34.62 34.61 34.62 34.63 34.63
2450 / 17: 34.65 34.65 34.65 34.65 34.65 34.65 34.65 34.66 34.66 34.67 34.67 34.67 34.67 34.66 34.66 34.66 34.66 34.66 34.66 34.66 34.67 34.67
2950 / 18: 34.67 34.67 34.66 34.66 34.67 34.66 34.66 34.66 34.67 34.67 34.67 34.67 34.67 34.68 34.68 34.67 34.67 34.67 34.67 34.67 34.67 34.67
3450 / 19: .... 34.67 34.67 34.67 34.67 34.67 34.67 34.67 34.67 34.67 .... 34.68 34.68 34.68 34.69 34.69 34.68 34.68 34.68 34.68 34.68 34.68
3950 / 20: .... 34.68 34.68 34.68 34.67 34.67 34.67 34.67 34.67 34.67 .... 34.69 34.69 34.69 34.70 34.70 34.70 34.70 34.69 34.69 34.69 34.69
4450 / 21: .... 34.68 34.68 34.69 34.69 34.69 34.68 34.67 34.68 34.68 .... 34.69 34.69 34.69 34.69 34.70 34.70 34.70 34.69 34.70 34.69 34.69
4950 / 22: .... 34.68 34.68 34.69 34.69 34.69 34.67 34.70 .... 34.70 34.70 34.69 34.69 34.69 34.70 34.70 34.70 34.70 34.70 34.70
5450 / 23: .... 34.67 34.67 34.69 .... 34.69 34.69 .... 34.70 34.70 34.70 34.69 34.70 .... 34.70
Done

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http://icdc.cen.uni-hamburg.de/las/

Integrated Climate Data Center

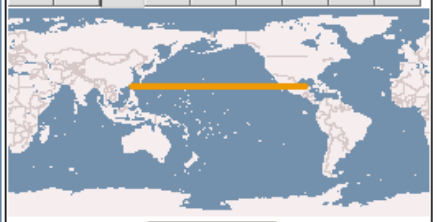
Live Access Server

Integrated Climate Data Center

Link to this page | Help | ICDC Website

Choose dataset | Update Plot ☑ | Set plot options | Compare | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation SALINITY



22.5 N

121.44 E | 90.5 W

22.5 N

MAPS

○ Latitude-Longitude

LINE PLOTS

○ Time series
○ Depth
○ Longitude
○ Latitude

VERTICAL SECTION

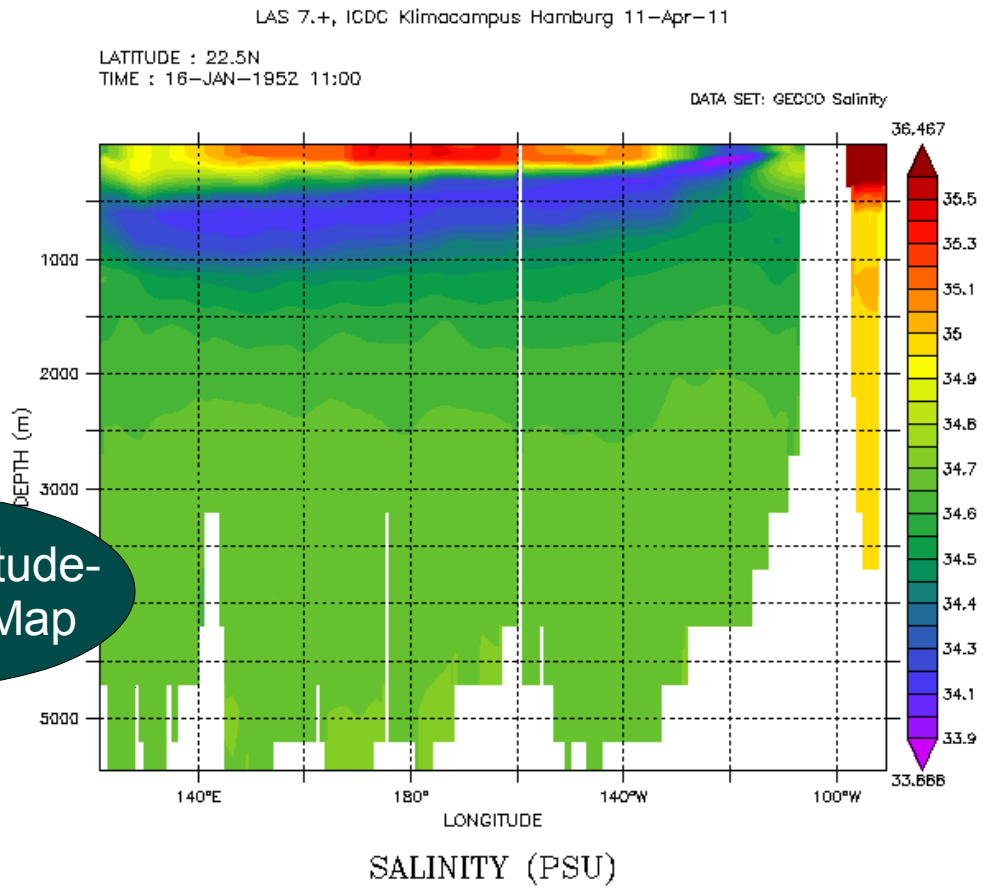
◉ Longitude-depth
○ Latitude-depth

Date : Jan 1952

Minimum Depth (meters) : 5

Maximum Depth (meters) : 5450

Choose Latitude-Longitude Map



Link to this plot.

Done

Integrated Climate Data Center - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

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Link to this page | Help | ICDC Website

Choose dataset | Update Plot ☑ | Set plot options | Compare | Google Earth | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation SALINITY

Click “Set plot options”

51 N

113.45 E 82.52 W

6 S

MAPS

- (•) Latitude-Longitude

LINE PLOTS

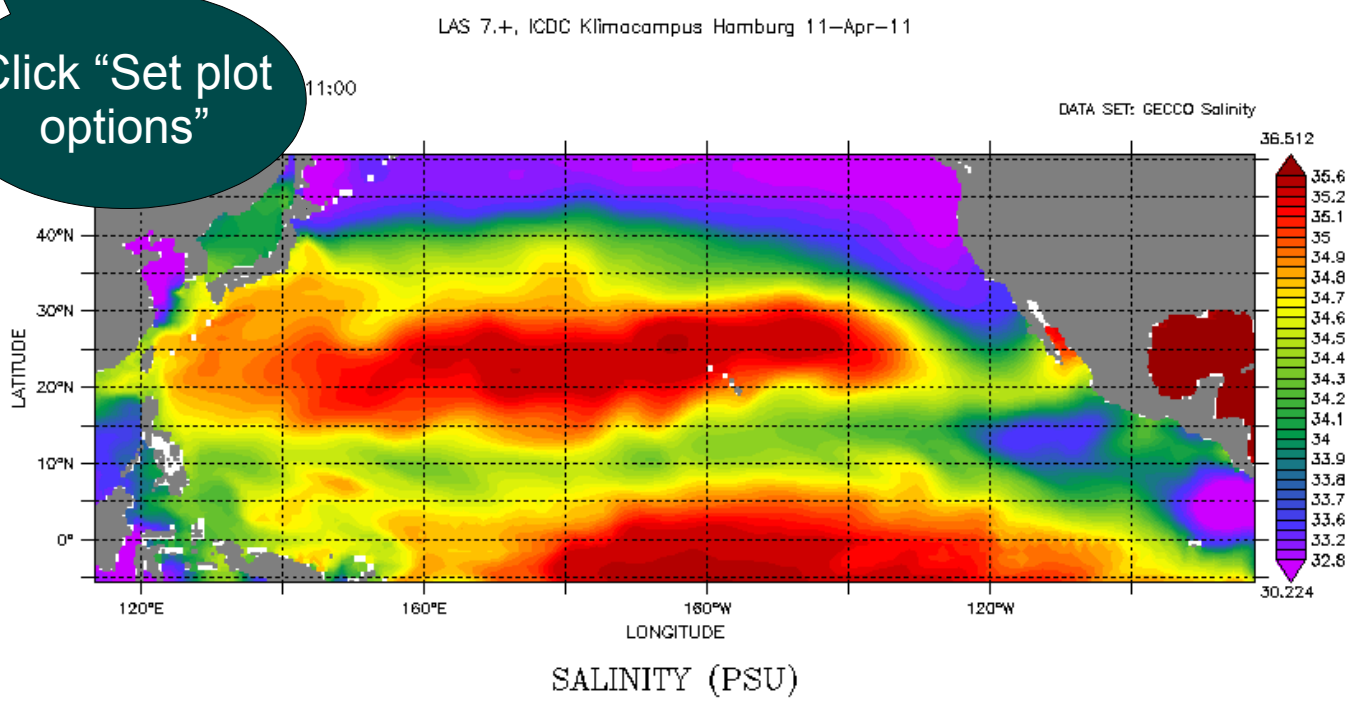
- ( ) Time series
- ( ) Depth
- ( ) Longitude
- ( ) Latitude

VERTICAL SECTION PLOTS

- ( ) Longitude-depth
- ( ) Latitude-depth

Date : Jan 1952

Depth (meters) : 5



Transferring data from www.icdc.zmaw.de...

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File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

Integrated Climate Data Center

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Desktop Application Save As ... Print

OK Reset Cancel

Evaluate expression	
Interpolate normal to plot	Off
Image format	Default
Plot size	default
Show graticule	Default
Margins	Default
Degrees/Minutes axis labels	Default
Palette	Default
Contour style	Default
Color fill levels	
Contour levels	
Mark grid points	No
Match aspect ratio of plot to aspect ratio of region	Default
Land fill style	Default

Change palette

mpus Hamburg 11-Apr-11

DATA SET: GECCO Salinity

36.512
35.6
35.2
35.1
35
34.9
34.8
34.7
34.6
34.5
34.4
34.3
34.2
34.1
34
33.9
33.8
33.7
33.6
33.2
32.8
30.224

120°E 160°E 160°W 120°W

LONGITUDE

SALINITY (PSU)

113.45

MAPS

Latitu

LINE PL

Time

Depth

Longitude

Latitude

VERTICAL SECTION PLOTS

Longitude-depth

Latitude-depth

Date : Jan 1952

Depth (meters) : 5

Transferring data from www.icdc.zmaw.de...

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File Edit View History Bookmarks Tools Help

http://icdc.cen.uni-hamburg.de/las/

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Live Access Server

Integrated Climate Data Center

Link to this page | Help | ICDC Website

Desktop Application Save As ... Print

OK Reset Cancel

Click OK

Evaluate expression	
Interpolate normal to plot	Off
	Default
	default
	Default
Margins	Default
Degrees/Minutes axis labels	Default
Palette	alternative rainbow
Contour style	Default
Color fill levels	
Contour levels	
Mark grid points	No
Match aspect ratio of plot to aspect ratio of region	Default
Land fill style	Default

mpus Hamburg 11-Apr-11

DATA SET: GECCO Salinity

36.512
35.6
35.2
35.1
35
34.9
34.8
34.7
34.6
34.5
34.4
34.3
34.2
34.1
34
33.9
33.8
33.7
33.6
33.2
32.8
30.224

120°E 160°E 160°W 120°W

LONGITUDE

SALINITY (PSU)

113.45

MAPS

Latitu

LINE PL

Time

Depth

Longitude

Latitude

VERTICAL SECTION PLOTS

Longitude-depth

Latitude-depth

Date : Jan 1952

Depth (meters) : 5

Transferring data from www.icdc.zmaw.de...

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Live Access Server

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Link to this page | Help | ICDC Website

Choose dataset | Update Plot ☑ | Set plot options | Compare | Google Earth | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation SALINITY

Click Set plot options again

51 N

113.45 E 82.52 W

6 S

MAPS

- (•) Latitude-Longitude

LINE PLOTS

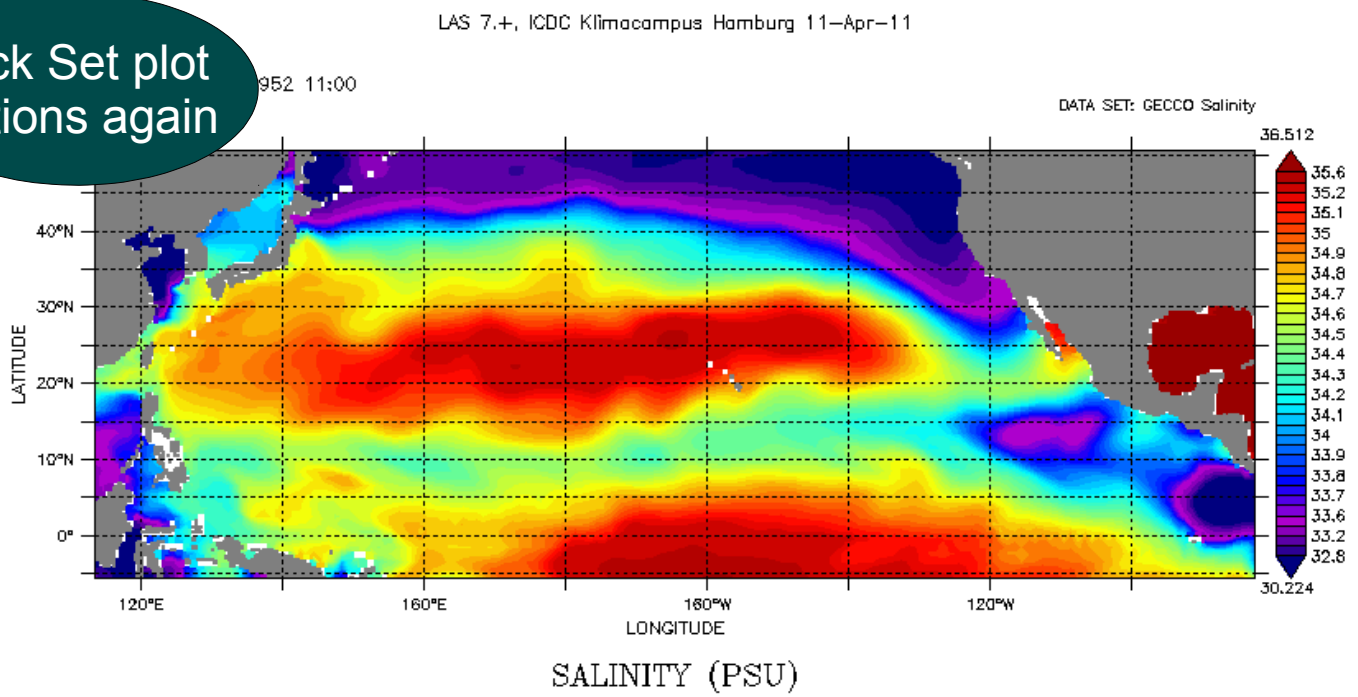
- ( ) Time series
- ( ) Depth
- ( ) Longitude
- ( ) Latitude

VERTICAL SECTION PLOTS

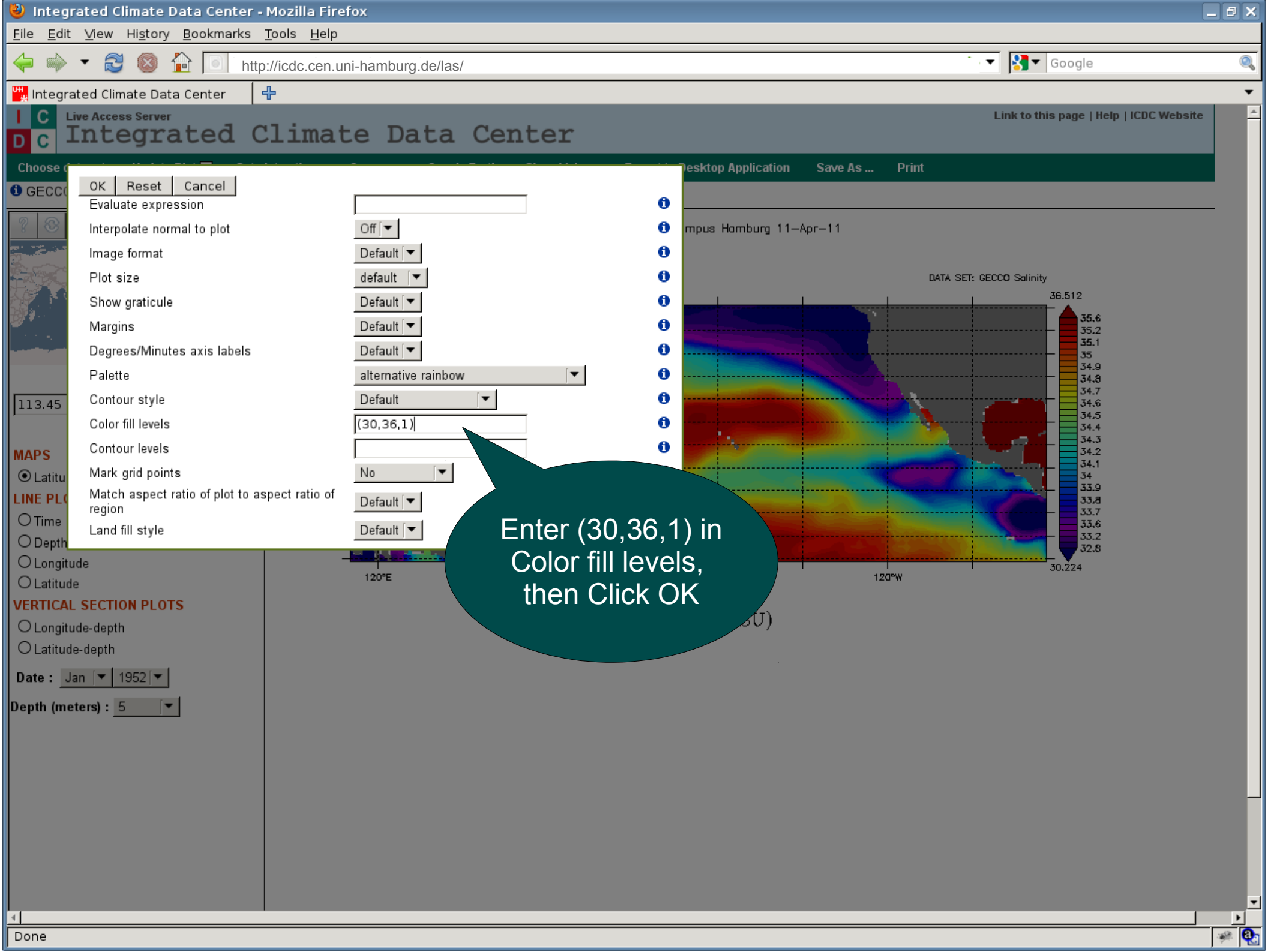
- ( ) Longitude-depth
- ( ) Latitude-depth

Date : Jan 1952

Depth (meters) : 5



Done


Integrated Climate Data Center - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://icdc.cen.uni-hamburg.de/las/
Integrated Climate Data Center
Live Access Server
Integrated Climate Data Center
Link to this page | Help | ICDC Website
Save As ...
Print
OK
Reset
Cancel
Evaluate expression
Interpolate normal to plot
Off
Image format
Default
Plot size
default
Show graticule
Margins
Degrees/Minutes axis labels
Palette
alternative rainbow
Contour style
Color fill levels
(30,36,1)
Contour levels
Mark grid points
No
Match aspect ratio of plot to aspect ratio of region
Land fill style
DATA SET: GECCO Salinity
36.512
35.6
35.2
35.1
35
34.9
34.8
34.7
34.6
34.5
34.4
34.3
34.2
34.1
34
33.9
33.8
33.7
33.6
33.2
32.8
30.224
120°E
120°W
MAPS
LINE PLOTS
Time
Depth
Longitude
Latitude
VERTICAL SECTION PLOTS
Longitude-depth
Latitude-depth
Date : Jan 1952
Depth (meters) : 5
Enter (30,36,1) in Color fill levels, then Click OK
Done

Integrated Climate Data Center - Mozilla Firefox

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http://icdc.cen.uni-hamburg.de/las/

Integrated Climate Data Center

Live Access Server

Integrated Climate Data Center

Link to this page | Help | ICDC Website

Choose dataset | Update Plot | Set plot options | Compare | Google Earth | Show Values | Export to Desktop Application | Save As ... | Print

GECCO State Estimation SALINITY

51 N

113.45 E 82.52 W

6 S

MAPS

- (•) Latitude-Longitude

LINE PLOTS

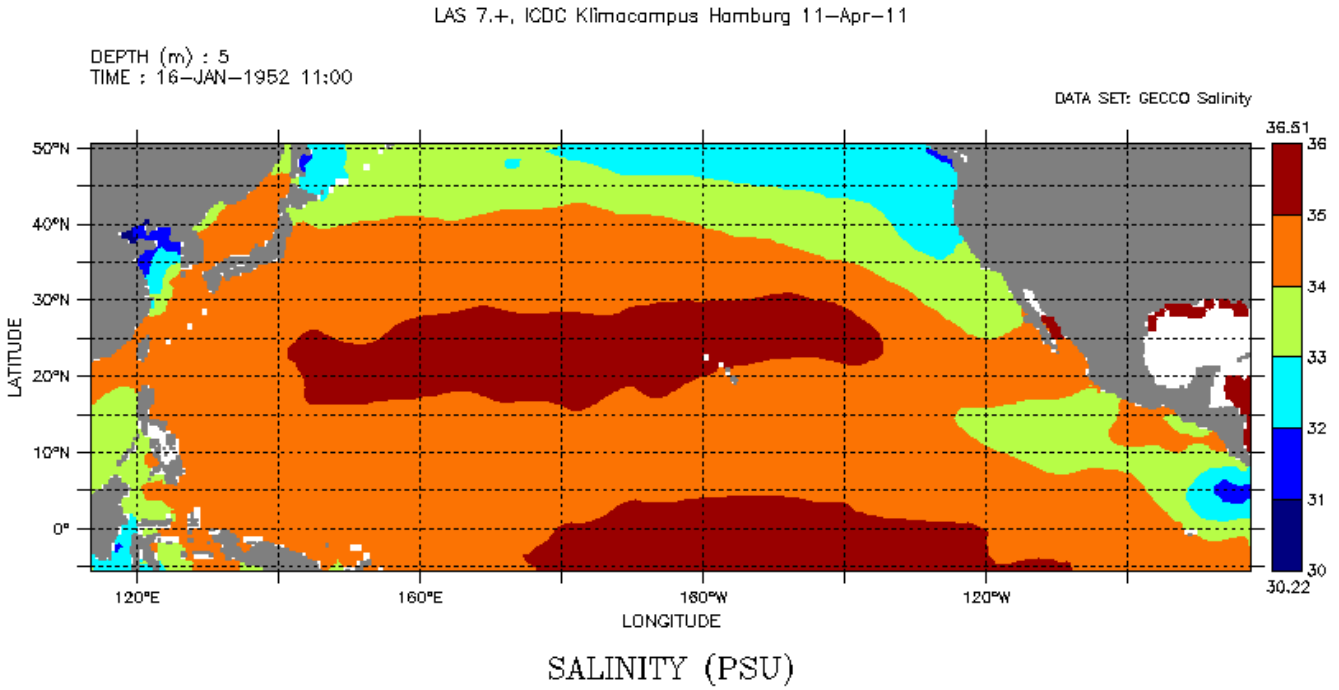
- ( ) Time series
- ( ) Depth
- ( ) Longitude
- ( ) Latitude

VERTICAL SECTION PLOTS

- ( ) Longitude-depth
- ( ) Latitude-depth

Date : Jan 1952

Depth (meters) : 5



Done

Conclusion

This is only a very basic tutorial of LAS.
If you want to know more about LAS, visit the developer website
http://ferret.pmel.noaa.gov/LAS/home

or contact the ICDC team
http://icdc.cen.uni-hamburg.de/beratung.html?&L=1

Your ICDC team,
Hamburg, 5.10.2016

Integrated Climate Data Center
http://icdc.cen.uni-hamburg.de