

Accessing Palmer LTER Data (Instructions for Datazoo)

- 1. Datazoo is the name of the data catalog (online data portal) for all of the available online Palmer LTER data. You can access it via: <u>http://pal.lternet.edu/data</u> (click on "Go to Catalog") OR <u>http://oceaninformatics.ucsd.edu/datazoo/data/pallter/datasets</u>
 - a. To download data you will **need to log in** by selecting the "Log In" button in the top right corner of the webpage.

Datasets	Studies / Data Sources	Prepared Views	Tools -	Home	Log In
914110 N 44					
	Data catalog fo	r the Palmer S	tation Antarctica LTER si	te.	
TER					

Data Use Policy

The data available here are intended for scholarly use by the academic research community, with the express understanding that data users will properly acknowledge the originating investigator. Use or reproduction of any material herein for any commercial or redistribution purposes is prohibited without prior written permission from the responsible party.

By agreeing to this Data Use Policy, you are also agreeing to the respective data acknowledgment policies of each project.

Local Users:

Log in with your IOD username and password for access to private datasets and data and metadata management interfaces.

Username:	
Password:	
	I Agree

Public U	Jsers:
Enter yo to gain a email ac to any o	ur name and email address access to public data. Your Idress will not be distributed ther sources.
Name:	
E-Mail:	
Use:	Academic Research 🗘
	I Agree

- c. Once registered, click "Return to Previous Page" at the bottom of the Public Users section to begin to search for data.
- 2. There are multiple ways to search through the available data sources.



a. If you know a specific data source you are interested in finding (e.g., Adelie, diet, chlorophyll) then you can type the term(s) into the Search field in the center of the page and click "Submit"



b. If you are not certain of a specific data source you are interested in finding, you can look through the various categories along the left-hand side of the page to select from the options. Click on an option to select it and then click Submit in the Search feature section at the top of the page.



LMG01-01 (11)

MG03-01 (1/



- i. Data Source this is how/where the data were collected (remember the Palmer LTER project has scientists both on a research cruise out in the Palmer Research Station)
- ii. *LTER Annual Cruise* you can select a particular year of the research cruise to access data which were collected aboard the vessel from the selected year(s)
- iii. Station Season you can select a particular field season of the data collected by the researchers based at the U.S. Palmer Research Station from the selected field season(s) [note - the field season is during the austral summer, so field season spans the calendar year, hence PAL0001 is the Palmer field season from 2000 to 2001]
- iv. Contributor you can select data collected by a specific researcher participating in the Palmer LTER project



- v. *LTER Core Area* you can select the data relevant to each of the 6 core areas of the Palmer LTER project (disturbance patterns, inorganic matter, organic matter, population studies, primary production, signature)
- vi. *Keyword* you can select data relevant to 68 different pre-selected keywords that may be of interest to you (e.g., biomass, climate, ecosystem, nutrients)
- c. All of these options will automatically populate a list of relevant/selected data sources in the Results section under the Search feature in the center of the page.

O DATA SOURCE	Datasets
Annual Cruise (1) Other (1)	Datasets include core data collected from various sources, as well as data from partner organizations and external sources. Use the filters or search by text to find data.
LTER ANNUAL CRUISE	
LMG00-01 (1) LMG01-01 (1) LMG02-01 (1) LMG03-01 (1) LMG04-01 (1) LMG05-01 (1)	Search
LMG06-01 (1) LMG07-01 (1)	abundance 🙁
LMG08-01 (1)	
	Results 🕢
CONTRIBUTOR Debbie Steinberg (1) Langdon Quetin (1)	Results (2)
CONTRIBUTOR Debbie Steinberg (1) Langdon Quetin (1) Matthew Cottrell (1) Robin Ross (1)	Results 2 Zooplankton Density - Historical 212
CONTRIBUTOR Debbie Steinberg (1) Langdon Quetin (1) Matthew Cottrell (1) Robin Ross (1) LITER CORE AREA	Results 2 Zooplankton Density - Historical 212 Zooplankton collected with a 2-m, 700-um net towed from surface to 120 m. This dataset is the historical (1993 - 2007)
CONTRIBUTOR CONTRIBUTOR Debbie Steinberg (1) Langdon Quetin (1) Matthew Cottrell (1) Robin Ross (1) LITER CORE AREA Population Studies (1) Signature (1)	Results 2 Zooplankton Density - Historical 212 Zooplankton collected with a 2-m, 700-um net towed from surface to 120 m. This dataset is the historical (1993 - 2007) counterpart to Zooplankton Density - Current. Together these two data sets comprise the full Palmer LTER zooplankton density time series. Please refer to the methods for differences between the two. Control to a control with a packing packing packing and the particular sets comprise the full Palmer LTER zooplankton density time series.

- 3. Select a data source by clicking in the data source's blue title.
 - a. You will be directed to a page with information about that specific data source.
 "Documentation" will be highlighted as the default and that includes [note not all datasets have information for every field]:
 - i. Overview title, abstract, projects, creators, contact, keywords
 - ii. Methods/Protocols title, description
 - iii. Supplemental Documents
 - iv. Associated Publications

PAL LTER Datasets / Zooplankt	on Density - Historical				
Zooplankton Densit	y - Historical 212				
Documentation	Overview Method	ds / Protocols Supplen	nental Documents	Associated Publications	

Data	Title	Zooplankton collected with a 2-m, 700-um net towed from surface to 120 m. This dataset is the historical (1993 - 2007) counterpart to Zooplankton Density - Current. Together these two data sets comprise the full Palmer LTER zooplankton density time series. Please refer to the methods for differences between the two.
	Abstract	

b. To access the data, click on the "Data" button on the left-hand side of the page



PAL LTER Datasets / Zooplankton Density - Historical

Zooplankton Density - Historical 212

Documentation	Data table: ZooplanktonDensityHistorical	Records 956
Data	Main data table for dataset	
	Columns 83	
	Data sources / studies 16	
		📥 Download

- i. The name of the data table is listed at the top in blue "Data table:"
- ii. By selecting the down arrow next to the "Columns" you can see what variables are included in the data table.
- iii. By selecting the down arrow next to the "Data sources/studies" you can see which data sources/studies from which the information within the data table came.
- iv. To see the data click the green "Download" button

4. You will be taken to a page dedicated to the main table for the data you are requesting.

PAL LTER Datasets / Zooplankton Density - Historical (212) / ZooplanktonDensityHistorical (data table)

Zooplankton Density - Historical 212

Data Table: ZooplanktonDensityHistorical					
Description: Main data table for dataset					
Estimated retrieval time for this dataset: ~ 1 (s)					
Data Fields		Data Sources /	Studies		
Select All Unselect All		Select All Unselect All	l i		
	CruiseTow			PD93-01	
	CruiseName			PD94-01	
	Event			PD95-01	
	Tow			PD96-01	
4	GridLine		4	PD97-01	
	Grid Station			LMG98-01	_
	Date GMT			LMG99-01	_
	TimeStart GMT			LMG00-01	
	TimeLocal CLST			LMG01-01	

a. By default, all of the variables from all of the data sources/studies are selected to be exported (appear in the middle and far right columns).



b. If you do NOT want all of the variables and/or all of the data sources/studies, then you can click on the variable or data source/study to remove it from the right hand column of data to be downloaded into the left hand column of data not included in the download.

	Jensity - I	Historical (212) / Zooplanktor	DensityHistorical (data table)		
Zooplankton Density ·	- Hist	orical 212			
Data Table: ZooplanktonDensityHisto	rical				
Description: Main data table for datas	set				
Estimated retrieval time for this dataset: ~ 1 (s)				
Data Fields			Data Sources / S	Studies	
Select All Unselect All			Select All Unselect All		
CruiseTow		Event	PD93-01		PD95-01
CruiseTow CruiseName		Event Tow	PD93-01 PD94-01		PD95-01 PD96-01
CruiseTow CruiseName		Event Tow GridLine	PD93-01 PD94-01		PD95-01 PD96-01 PD97-01
CruiseTow CruiseName		Event Tow GridLine Grid Station	PD93-01 PD94-01		PD95-01 PD96-01 PD97-01 LMG98-01
CruiseTow CruiseName	↓	Event Tow GridLine Grid Station Date GMT	PD93-01 PD94-01	ţ	PD95-01 PD96-01 PD97-01 LMG98-01 LMG99-01
CruiseTow CruiseName	ţ.	Event Tow GridLine Grid Station Date GMT TimeStart GMT	PD93-01 PD94-01	4	PD95-01 PD96-01 PD97-01 LMG98-01 LMG99-01 LMG00-01
CruiseTow CruiseName	÷	Event Tow GridLine Grid Station Date GMT TimeStart GMT TimeLocal CLST	PD93-01 PD94-01	ţ	PD95-01 PD96-01 PD97-01 LMG98-01 LMG99-01 LMG00-01 LMG01-01
CruiseTow CruiseName	ţ	Event Tow GridLine Grid Station Date GMT TimeStart GMT TimeLocal CLST LatitudeStart	PD93-01 PD94-01	47	PD95-01 PD96-01 PD97-01 LMG98-01 LMG99-01 LMG00-01 LMG01-01 LMG02-01

- c. When you have finalized your selection of what data to download, click the blue "Download Data" button.
- 5. If the request for data is successful, a green bar with "Data Query Successful" will appear below the blue "Download Data" button.

essful					
Download CSV	Download XLS	📥 Plot Data	Created	2016-05-27 12:26:01 Expires	
			2016-05-28 1212	12:26:01	Records Size (CSV
	essful	essful	essful	Download CSV Download XLS Plot Data Created 2016-05-28 1212	Bownload CSV

🕹 Download Data

- a. Preview Data enables you to look at the data table in a new tab webpage
- b. Download CSV enables you to download the data table as a .csv file (a table structured format of the data that you can open in a variety of software programs)
 - i. If clicked, the file will download onto your computer and you will be prompted to save or open the file.
 - ii. Once you have saved or opened the file you can access the data in whatever software program that accepts .csv files.



- c. Download XLS enables you to download the data table as a .xls file to open in Microsoft Excel
 - i. If clicked, wait for the green "XLS Ready" button to appear and then click the button to be prompted to save or open the file.
 - ii. Once you have saved or opened the file you can access the data in Microsoft Excel (or other software programs that accept .xls files).
- d. Plot Data pulls up a widget on the page that enables you to select which aspects of the data you want to plot within the webpage [note this should be treated as a way to do a quick look at the data, it should NOT be used as a way to visualize the data for analysis]
 - i. The data can be viewed in the following different data visualization formats (if the data are appropriate for that form of data visualization): time series, scatter, box plot, contour, map contour