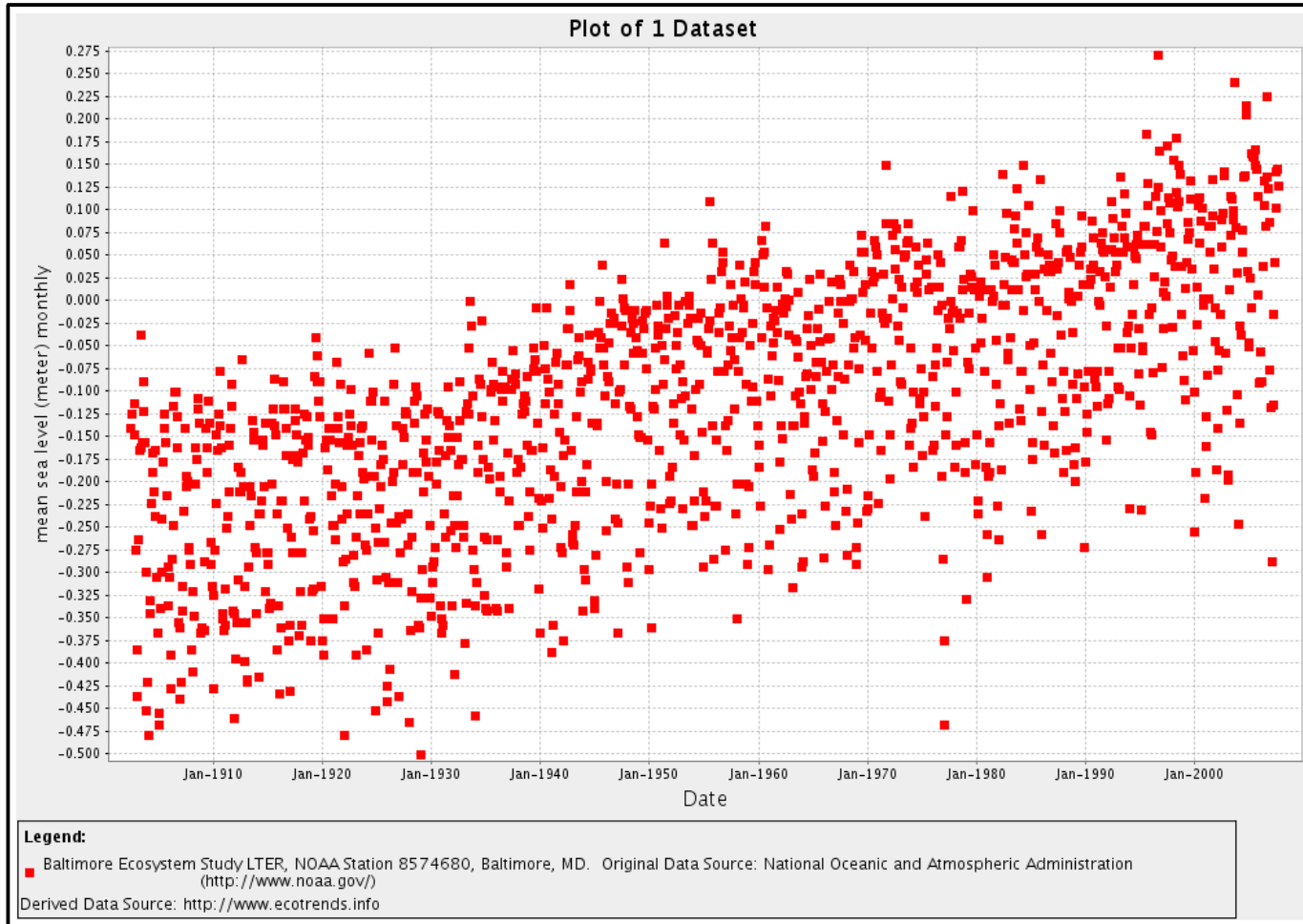


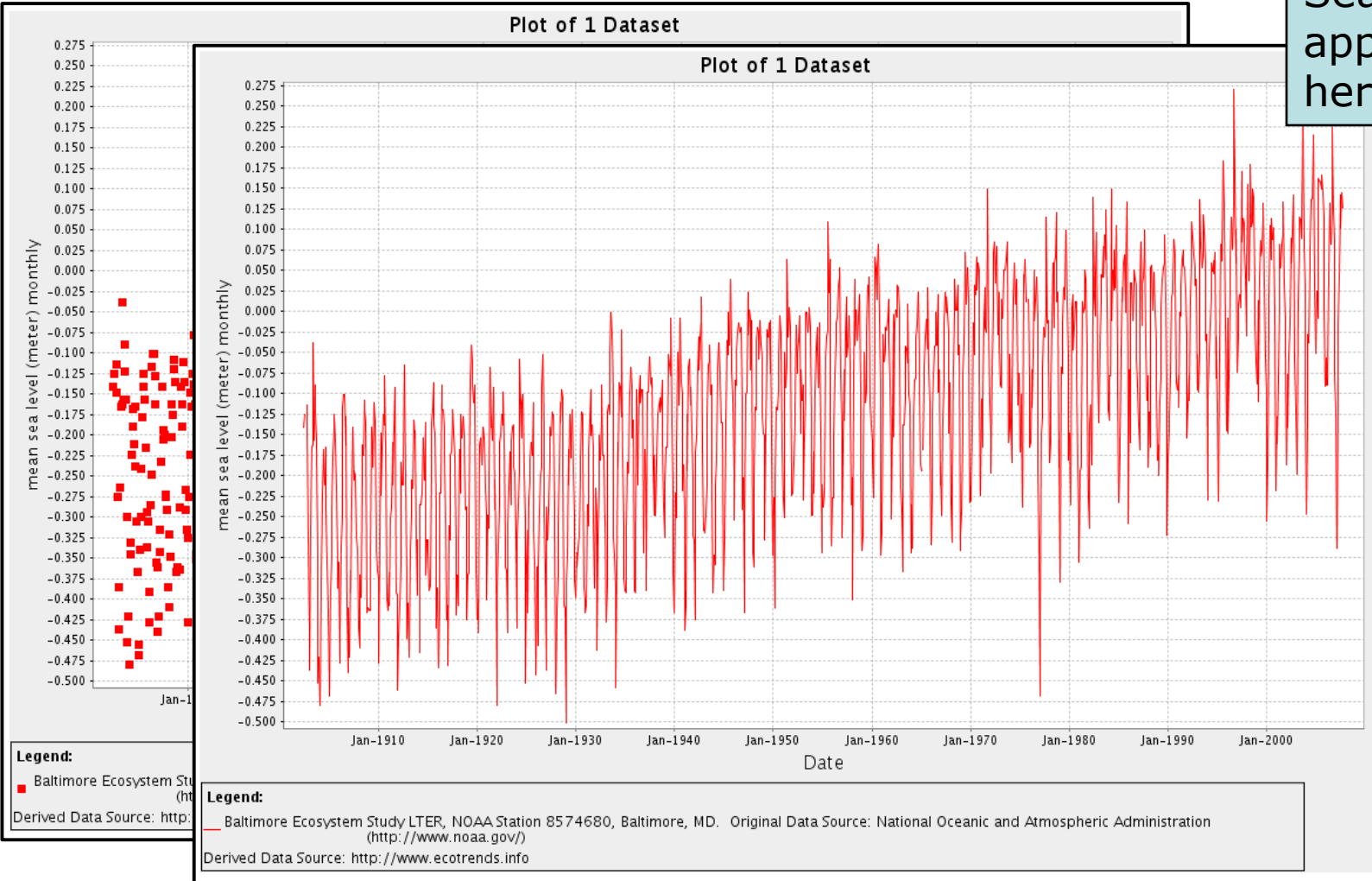
BES LTER Sea-level Plot



Viewing the data in different ways can potentially lead to different initial conclusions – scatter shows high variability but doesn't show seasonality very well

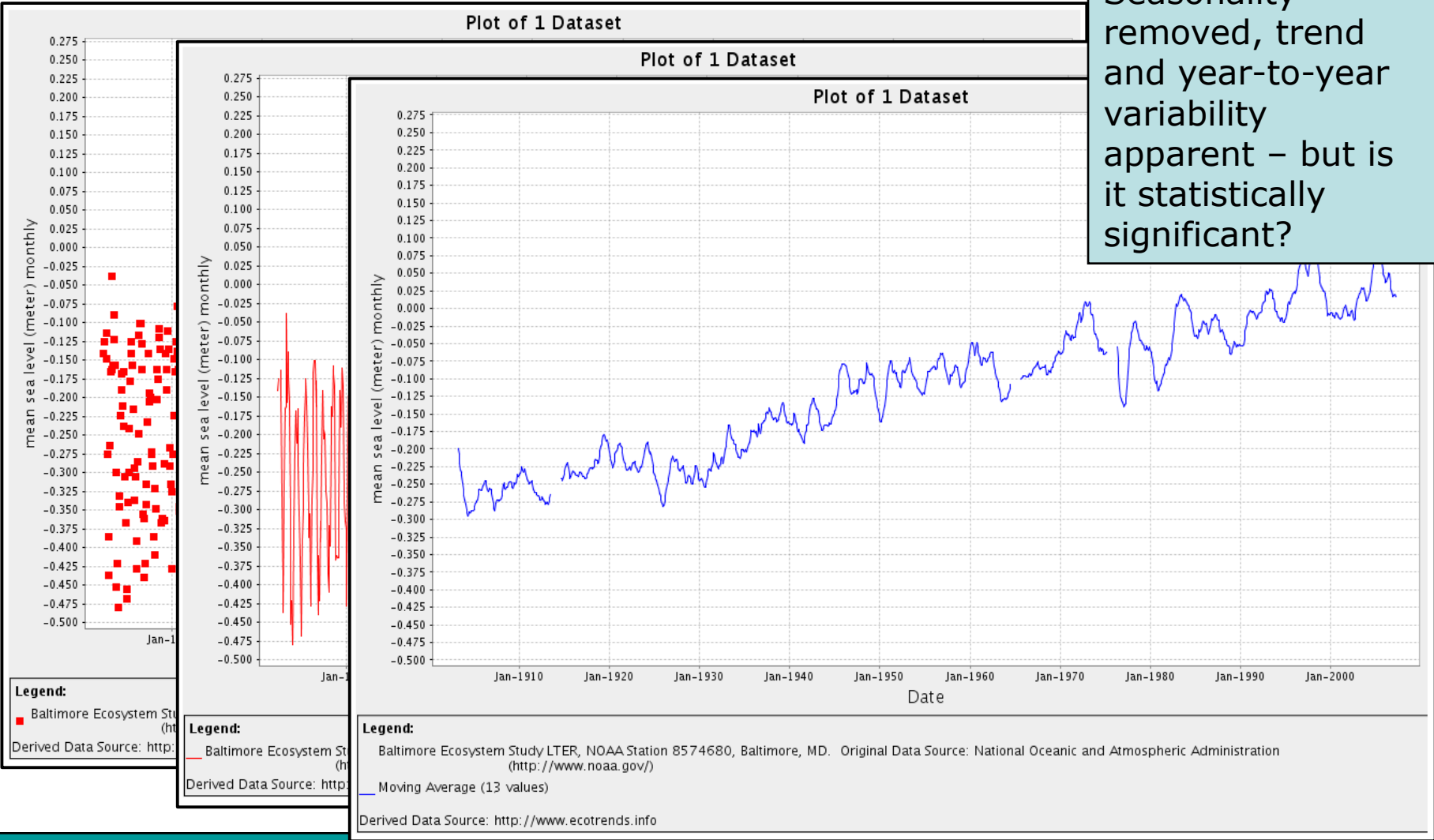
BES LTER Sea-level Plot

Seasonality
apparent
here



BES LTER Sea-level Plot

Seasonality removed, trend and year-to-year variability apparent – but is it statistically significant?



Adding the search results to My Data Store































7 Datasets Matched (Displaying 1-7 of 7)

<< Previous 1000 Datasets Next 1000 Datasets >>

Any use of data or figures from the EcoTrends project must include the following statement (replace [Original Data Source] and [EcoTrends Dataset Identifier] with values from the website as appropriate): "Data and figures were obtained from the EcoTrends Project (<http://www.ecotrends.info>) funded by the National Science Foundation and USDA Agricultural Research Service. These data are from [Original Data Source]; [EcoTrends Dataset Identifier]."

Plot Options: Data Points Data Lines Moving Average

Site	Stations	Topic	Variable (Unit)	Timestep	
<input type="checkbox"/> Arctic LTER	Toolik Lake Field Station	Climate and physical variability	air temperature (mean) (celsius)	monthly	<input checked="" type="checkbox"/>    
<input type="checkbox"/> Baltimore Ecosystem Study LTER	NWS COOP #180465, Baltimore Washington International Airport, MD	Climate and physical variability	air temperature (mean) (celsius)	monthly	<input type="checkbox"/>    
<input type="checkbox"/> California Current Ecosystem	Lindbergh CDO	Climate and physical variability	air temperature (mean) (celsius)	monthly	<input type="checkbox"/>    
<input type="checkbox"/> California Current Ecosystem	NWS COOP #047740, San Diego Lindbergh Field, CA	Climate and physical variability	air temperature (mean) (celsius)	monthly	<input type="checkbox"/>    
<input type="checkbox"/> Palmer Station	Palmer Observatory	Climate and physical variability	air temperature (mean) (celsius)	monthly	<input type="checkbox"/>    
<input type="checkbox"/> Baltimore Ecosystem Study LTER	NOAA Station 8574680, Baltimore, MD	Climate and physical variability	mean sea level (meter)	monthly	<input type="checkbox"/>    
<input type="checkbox"/> California Current Ecosystem	NOAA Station 9410170, San Diego, CA	Climate and physical variability	mean sea level (meter)	monthly	<input type="checkbox"/>    

My Data Store – a persistent repository



- Home
- About EcoTrends
- Datasets: Browse, Search and Explore
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 - By Site
 - By Keyword
 - Advanced Search
 - My Data Store**
- Data Guidelines and Policies
- Participating Sites
- Publications
- Submit New Datasets
- My Account
 - Register with EcoTrends
- Contact Us

7 Datasets in My Data Store (Displaying 1-7 of 7) [help](#)

<< Previous 1000 Datasets Next 1000 Datasets >>

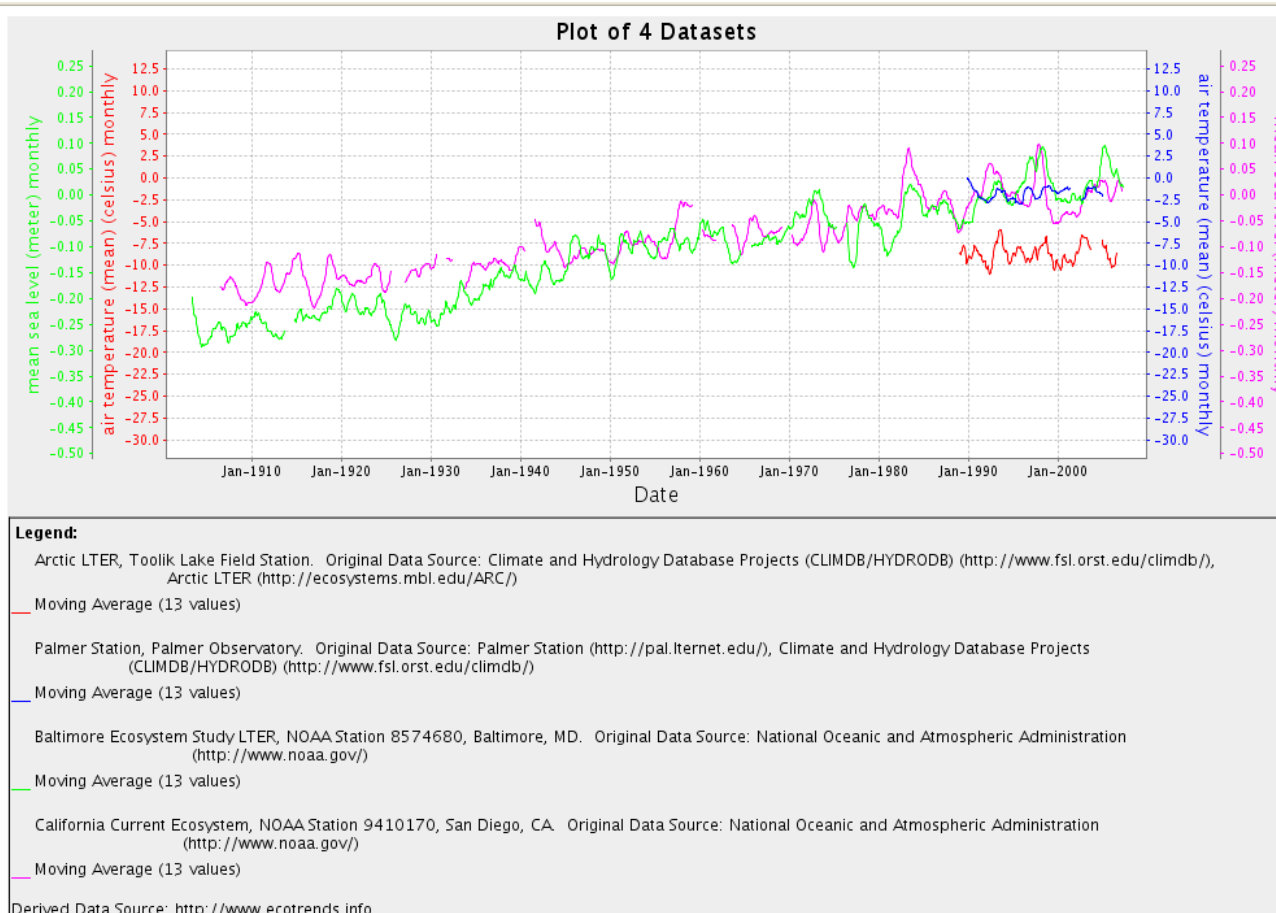
Any use of data or figures from the EcoTrends project must include the following statement (replace [Original Data Source] and [EcoTrends Dataset Identifier] with values from the website as appropriate): "Data and figures were obtained from the EcoTrends Project (<http://www.ecotrends.info>) funded by the National Science Foundation and USDA Agricultural Research Service. These data are from [Original Data Source]; [EcoTrends Dataset Identifier]."

Plot Options: Data Points Data Lines Moving Average

Site	Stations	Topic	Variable (Unit)	Timestep	
<input type="checkbox"/> Arctic LTER	Tookik Lake Field Station	Climate and physical variability	air temperature (mean) (celsius)	monthly	
<input type="checkbox"/> Baltimore Ecosystem Study LTER	NOAA Station 8574680, Baltimore, MD	Climate and physical variability	mean sea level (meter)	monthly	
<input type="checkbox"/> Baltimore Ecosystem Study LTER	NWS COOP #180465, Baltimore Washington International Airport, MD	Climate and physical variability	air temperature (mean) (celsius)	monthly	
<input type="checkbox"/> California Current Ecosystem	Lindbergh CDO	Climate and physical variability	air temperature (mean) (celsius)	monthly	
<input type="checkbox"/> California Current Ecosystem	NOAA Station 9410170, San Diego, CA	Climate and physical variability	mean sea level (meter)	monthly	
<input type="checkbox"/> California Current Ecosystem	NWS COOP #047740, San Diego Lindbergh Field, CA	Climate and physical variability	air temperature (mean) (celsius)	monthly	
<input type="checkbox"/> Palmer Station	Palmer Observatory	Climate and physical variability	air temperature (mean) (celsius)	monthly	

Start cross-site, multi-variable analysis by selecting datasets.

Sea-level and Temperature Plot



Observations and questions to provoke critical thinking:

Why do we see trends in sea level but not in temperature? [length of record, small sample size, etc.]

What if we looked at mean maximum or mean minimum temperatures?

What might we need to further explore our hypotheses?

Viewing and downloading data and metadata

EcoTrends Dataset Identifier: ecotrends.17703.1

Original Data Source: [National Oceanic and Atmospheric Administration](#)

Site: Baltimore Ecosystem Study LTER

Stations: NOAA Station 8574680, Baltimore, MD

Revision: 1 of 1

Date Range: 1902-07-01 to 2007-09-30

Other Revisions:

View: [Data \(as HTML\)](#)
[Metadata-EML \(as HTML\)](#)

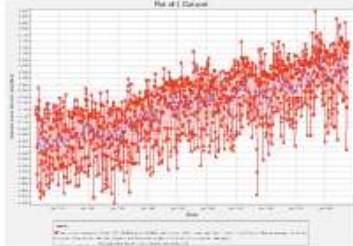
Download: [Data \(as CSV\)](#)
[Metadata-EML \(as XML\)](#)

Variable: mean sea level

Unit: meter

Timescale: monthly

Plot:



(Click to view plot)

Plot Options:
 Data Points
 Data Lines
 Moving Average

[Add to My Data Store](#) [help](#) [Back to Datasets Matched](#)

BES LTER Sea-level Data Download

html

Baltimore Ecosystem Study LTER site, station NOAA Station 8574680, Baltimore, MD, study of mean sea level in units of meter on a monthly timescale		
Derived Data Source:	http://www.ecotrends.info	
Original Data Source:	National Oceanic and Atmospheric Administration (http://www.noaa.gov/)	
Site:	BES	
Stations:	NOAA Station 8574680, Baltimore, MD	
Variable:	mean sea level (meter)	
Timescale:	monthly	
Dataset ID:	ecotrends.17703.1	
Disclaimer:	These data are provided for display only and do not include all content as specified in the metadata document ecotrends.17703.1	
Year	Month	mean sea level (meter)
1902	07	-0.142
1902	08	-0.126
1902	09	NA
1902	10	-0.114
1902	11	-0.148
1902	12	-0.276
1903	01	-0.386

.CSV

Year	Month	mean sea level (meter)
1902	07	-0.142
1902	08	-0.126
1902	09	NA
1902	10	-0.114
1902	11	-0.148
1902	12	-0.276
1903	01	-0.386

BES LTER Sea-level Metadata Download

HTML – same look as data in LTER metacat

Opportunities to discuss data documentation and sharing (importance to science), underlying modern techniques needed (i.e., coding), and importance of data managers and programmers in the natural sciences.

Data Set Citation
2008. Baltimore Ecosystem Study LTER site, station NWS COOP #180465, Baltimore Washington International Airport, MD, study of air temperature (mean) in units of celsius on a monthly timescale ecotrends.10057.1

Data Tables, Images, and Other Entries:
Metadata download: [Ecological Metadata Language \(EML\) file](#)
Data Table: [\(View Metadata\)](#)
Short Name: bes_NCDC-180465_tmea_C_monthly

Online Distribution Info:
Download File: <https://www.ecotrends.info/EcoTrends/Data/GetServlet?metacatId=dataset/ecotrends.10057.1>

Data Set Ownership:
Organization: National Climatic Data Center (NCDC)
Address: Federal Building, 151 Patton Avenue, Asheville, NC 28801-5001 US
Phone: 828-271-4800 (voice)
Email Address: ncdc.info@noaa.gov
Web Address: <http://www.ncdc.noaa.gov/oa/ncdc.html>
Organization: EcoTrends Project
Position: EcoTrends Project Coordinator
Address: USCA-ARS Jornada Experimental Range, P.O. Box 30003, MSC 3JER, New Mexico State University, Las Cruces, NM 88003 USA
Email Address: ecotrend@nmsu.edu
Web Address: <http://www.ecotrends.info>

Metadata Provider(s):
Organization: EcoTrends Project
Position: EcoTrends Project Coordinator
Address: USCA-ARS Jornada Experimental Range, P.O. Box 30003, MSC 3JER, New Mexico State University, Las Cruces, NM 88003 USA
Email Address: ecotrend@nmsu.edu
Web Address: <http://www.ecotrends.info>
Organization: LTER Network Office

EML – Ecological Metadata Language

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- <eml:eml xmlns:ds="eml://ecoinformatics.org/dataset-2.0.1" xmlns:xs="http://www.w3.org/2001/XMLSchema"
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  temperature (mean) in units of celsius on a monthly timescale</title>
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  <city>Asheville</city>
  <administrativeArea>NC</administrativeArea>
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</address>
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  <electronicMailAddress>ncdc.info@noaa.gov</electronicMailAddress>
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</creator>
- <creator scope="document">
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Acknowledgements

- Dr. Debra Peters (EcoTrends Project Leader)
- EcoTrends Editorial Board
 - Scott Collins, Charles Driscoll, Peter Groffman, Morgan Grove, Alan Knapp, Tim Kratz, Ariel Lugo, Mark Ohman, and Bob Waide
- EcoTrends Technical Committee
 - James Brunt, **Duane Costa**, Don Henshaw, Ken Ramsey, Inigo San Gil, Mark Schildhauer, **Mark Servilla**, Wade Sheldon, and Marshall White
- U.S. National Science Foundation DEB-0080412 and DEB-0236154

For more cursory exploration of sites across the globe:
<http://www.p2erls.net>

The screenshot displays the P2ERLS website interface. At the top left is a globe icon. The main header features the P2ERLS logo and the text "POLE TO POLE ECOLOGICAL RESEARCH LATTICE OF SITES A NETWORK OF NETWORKS". To the right of the header are input fields for "Username" and "Password", and a "Go" button. Below the header is a navigation menu with links: "Home", "About", "Browse Sites", "Links", "Saved Searches", "Create Account", "Log In", and "Contact".

On the left side, there are three search sections:

- By Keywords:** A search input field with a question mark icon and a "Submit Search Criteria" button.
- Search By Site Name:** A dropdown menu set to "All Sites" with a "Multiple" option, and a "Submit Search Criteria" button.
- Search By Criteria:** Five dropdown menus, each with a question mark icon and a "Multiple" option:
 - All Programs
 - All Networks
 - All Gradients
 - All Regions
 - All Ecosystems

Below the search criteria is an "Elevation (m)" section with "minimum" and "maximum" input fields.

The main content area is a map of the world with numerous white location markers. The map includes a navigation toolbar on the left and a legend at the top right with "Map", "Satellite", and "Hybrid" options. The map is powered by Google Earth, as indicated by the "POWERED BY Google" logo at the bottom left. A scale bar at the bottom center shows "2000 New Zealand" and "2000 km".

