

# PSD2 Web Page User Interface Guide

# Site Status Home Page

<http://www.esrl.noaa.gov/psd/data/obs/datadisplay/>

U.S. Department of Commerce | National Oceanic & Atmospheric Administration | NOAA Research

**Earth System Research Laboratory**  
Physical Sciences Division

Physical Sciences Division | About | Contact | Research | Data | Products | Outreach | Intranet

Active Sites: All | Project: All  
Instrument Categories: All | Data Types: All  
Data Format: All | Site Status: All

Update Map/Table

Current Time: 2014-04-21 23:35:49 UTC  
Site Status as of 2014-04-21 23:25:00 UTC

Hide Map | Hide Table | Auto Scale Map

Map | Satellite | Collapse All

- [Alexander \(pic\)](#)  
-Data/Images  
● Data Logger: Campbell-SurfaceMet ASCH
- [Alta \(ata\)](#)  
-Data/Images  
● Surface Met Plot 40P  
● Data Logger: Campbell-SurfaceMet ASCH
- [Arnold \(and\)](#)  
-Data/Images  
● Surface Met Plot 40P  
● Data Logger: Campbell-SurfaceMet ASCH
- [Baker \(P618\) \(bkr\)](#)  
-Data/Images  
● Surface Met Plot 40P  
● Data Logger: Campbell-SurfaceMet ASCH  
● Gas Trimble "3"amer "Vapor" ASCH
- [Big Bend \(bbd\)](#)  
-Data/Images  
● Surface Met Plot 40P  
● Data Logger: Campbell-SurfaceMet ASCH
- [Black Butte Lake \(bbl\)](#)  
-Data/Images  
● Surface Met Plot 40P

● = data received in the last three hours  
● = no data received in the last three hours  
● = no data received in the last twelve hours



- Image Products
  - Product Availability**
  - Product Availability - Legacy
  - Satellite Products
  - CalNex Trajectory Tool
  - Texas Trajectory Tool
  - Arizona Clickable Map
  - Washington Clickable Map
  - Real-time Observations - Map
  - Soil Moisture and Surface Flux Observations
- Data and Image Archive
  - Active Sites
  - Selected Non-Active Sites
  - Edited Non-Active Sites
- Data and Image Downloads
  - Instructions
  - Download
  - Format Descriptions
- Site Information
  - Site Inventory - Listing
  - Site Inventory - Map
  - Site Status
- Instruments
  - Wind Profilers
  - S-Band Precipitation Profiler

Active Sites: All | Project: All | Instrument Categories: All | Data Types: All | Data Format: All | Site Status: All

[Update Map/Table](#)

Drop down menu listing active sites, instrument categories, data formats, projects, data types and sites status. Click the "Update Map/Table" to display the selected options on the map and/or table display.

Hide Map | Hide Table |  Auto Scale Map

Toggle buttons. Hide map to expand the table. Hide table to expand map. Auto Scale Map is selected by default.

Map showing station locations. The colored dots represent the data latency for the site. Clicking on the dot will open a pop up menu listing all the data being collected by the site.

Site Name	Data Products
Alexander (pic)	-Data Images <ul style="list-style-type: none"><li>Datalogger Campbell-SurfaceMet ASCII</li></ul>
Alta (ata)	-Data Images <ul style="list-style-type: none"><li>Surface Met Plot GIF</li><li>Datalogger Campbell-SurfaceMet ASCII</li></ul>
Arnold (and)	-Data Images <ul style="list-style-type: none"><li>Surface Met Plot GIF</li><li>Datalogger Campbell-SurfaceMet ASCII</li></ul>
Baker (P618) (bkr)	-Data Images <ul style="list-style-type: none"><li>Surface Met Plot GIF</li><li>Datalogger Campbell-SurfaceMet ASCII</li><li>Gps Trimble-Water Vapor ASCII</li></ul>
Big Bend (bbd)	-Data Images <ul style="list-style-type: none"><li>Surface Met Plot GIF</li><li>Datalogger Campbell-SurfaceMet ASCII</li></ul>
Black Butte Lake (bbl)	-Data Images <ul style="list-style-type: none"><li>Surface Met Plot GIF</li><li>Datalogger Campbell-SurfaceMet ASCII</li></ul>
Black Oak (boc)	-Data Images <ul style="list-style-type: none"><li>Surface Met Plot GIF</li><li>Datalogger Campbell-SurfaceMet ASCII</li></ul>

Map showing station locations. The colored dots represent the data latency for the site. Clicking on the dot will open a pop up menu listing all the data being collected by the site.

A table form showing list of sites chosen by the select menu. The table displays a list of sites' data products. A user can click on any of the data products to view.

- = data received in the last three hours
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- = no data received in the last twelve hours



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  - Wind Profilers
  - S-Band Precipitation Profiler

Active Sites: **Bodega Bay (bby)**

Instrument Categories: **All**

Data Format: **All**

- 449 MHz Wind Profiler
- Datalogger
- GPS - IWV
- Net Radiation
- Precipitation - Tipping Bucket
- Pressure Sensor
- Radio Acoustic Sounding System
- Temperature & Relative Humidity
- Wind Speed and Direction

Project: **All**

Data Types: **All**


Site Status: **All**

Map/Table

Current Time: 2014-04-14 22:25:49 UTC

Site Status as of 2014-04-14 22:25:00 UTC

Hide Map Hide Table



- Collapse All

- **Bodega Bay (bby)**
  - Data/Images
  - [Integrated Water Vapor Flux Plot](#) GIF
  - [Radar 449MHz-Wind Barb Plot](#) GIF
  - [Radar 449MHz-Wind Snow Level Plot](#) GIF
  - [Radar 449MHz-Wind SNR Plot](#) GIF
  - [Radar 449MHz-Wind Virtual Temp Plot](#) GIF
  - [Radar 449MHz-Wind Virtual Theta Plot](#) GIF
  - [Surface Met Plot](#) GIF
  - [Datalogger Campbell-SurfaceMet](#) ASCII
  - [Gos Trimble-Water Vapor](#) ASCII
  - [Radar 449MHz-Bright Band](#) ASCII
  - [Radar 449MHz-Weber Wuertz Tempo](#) ASCII
  - [Radar 449MHz-Weber Wuertz Wind](#) ASCII
  - [WaterVaporFluxObs](#) ASCII
  - [Gos Trimble-Raw](#) BINARY

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● = no data received in the last twelve hours

An example showing Bodega Bay (bby) selected from Active Sites. The other drop down menus are automatically populated with only that selected sites' information. In this example, only the instruments for Bodega Bay are shown in the pull down menu.



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  - Wind Profilers
  - S-Band Precipitation Profiler
  - Surface Meteorology
- Programs
  - Hydrometeorological Testbed
  - Weather/Climate Connection

Active Sites	All	Project	All
Instrument Categories	All	Data Types	All
Data Format	All	Site Status	All

[Update Map/Table](#)

Current Time: 2014-04-21 15:11:37 UTC  
Site Status as of 2014-04-21 14:55:00 UTC

[Hide Map](#) [Show Table](#)  Auto Scale Map

● = data received in the last three hours  
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Map in expanded view by clicking "Hide Table" button.

Image Products

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- Washington Clickable Map
- Real-time Observations - Map
- Soil Moisture and Surface Flux Observations

Data and Image Archive

- Active Sites
- Selected Non-Active Sites
- Edited Non-Active Sites

Data and Image Downloads

- Instructions
- Download
- Format Descriptions

Site Information

- Site Inventory - Listing
- Site Inventory - Map
- Site Status

Instruments

- Wind Profilers
- S-Band Precipitation Profiler
- Surface Meteorology

Programs

- Hydrometeorological Testbed
- Weather/Climate Connection

Active Sites: All  
 Instrument Categories: All  
 Data Format: All  
 Project: All  
 Data Types: All  
 Site Status: All

Update Map/Table

Current Time: 2014-04-21 15:15:25 UTC  
 Site Status as of 2014-04-21 14:55:00 UTC

Show Map Hide Table  Auto Scale Map

- Collapse All
- [Alexander \(pic\)](#)
    - Data Images
      - Datalogger Campbell-SurfaceMet ASCII
  - [Alta \(ata\)](#)
    - Data Images
      - Surface Met Plot 61P
      - Datalogger Campbell-SurfaceMet ASCII
  - [Arnold \(and\)](#)
    - Data Images
      - Surface Met Plot 61P
      - Datalogger Campbell-SurfaceMet ASCII
  - [Baker \(P61S\) \(bkr\)](#)
    - Data Images
      - Surface Met Plot 61P
      - Datalogger Campbell-SurfaceMet ASCII
      - Gas Trimble-Water Vapor ASCII
  - [Big Bend \(bbd\)](#)
    - Data Images
      - Surface Met Plot 61P
      - Datalogger Campbell-SurfaceMet ASCII
  - [Black Butte Lake \(bbl\)](#)
    - Data Images
      - Surface Met Plot 61P

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Table in expanded view by clicking "Hide Map" button.



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  - S-Band Precipitation Profiler

Active Sites	Bodega Bay (bby)	Project	All
Instrument Categories	All	Data Types	All
Data Format	All	Site Status	All

Current Time: 2014-04-14 22:26:55 UTC

Site Status as of 2014-04-14 22:25:00 UTC

Auto Scale Map

- Collapse All

- [Bodega Bay \(bby\)](#)
  - Data/Images
    - [Integrated Water Vapor Flux Plot](#)
    - [Radar 449MHz-Wind Barb Plot](#)
    - [Radar 449MHz-Wind Snow Level Plot](#)
    - [Radar 449MHz-Wind SNR Plot](#)
    - [Radar 449MHz-Wind Virtual Temp Plot](#)
    - [Radar 449MHz-Wind Virtual Theta Plot](#)
    - [Surface Met Plot](#)
    - [Datalogger Campbell-SurfaceMet](#)
    - [Gps Trimble-Water Vapor](#)
    - [Radar 449MHz-Bright Band](#)
    - [Radar 449MHz-Weber Wuertz Temp](#)
    - [Radar 449MHz-Weber Wuertz Wind](#)
    - [WaterVaporFluxObs](#)
    - [Gps Trimble-Raw](#)

**Bodega Bay (bby)**

- Data/Images
  - [Integrated Water Vapor Flux Plot](#)
  - [Radar 449MHz-Wind Barb Plot](#)
  - [Radar 449MHz-Wind Snow Level Plot](#)
  - [Radar 449MHz-Wind SNR Plot](#)
  - [Radar 449MHz-Wind Virtual Temp Plot](#)
  - [Radar 449MHz-Wind Virtual Theta Plot](#)
  - [Surface Met Plot](#)
  - [Datalogger Campbell-SurfaceMet](#)
  - [Gps Trimble-Water Vapor](#)
  - [Radar 449MHz-Bright Band](#)
  - [Radar 449MHz-Weber Wuertz Temp](#)
  - [Radar 449MHz-Weber Wuertz Wind](#)
  - [WaterVaporFluxObs](#)
  - [Gps Trimble-Raw](#)

Map Data | 200 m | [Terms of Use](#) | [Report a map error](#)

- = data received in the last three hours
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- = no data received in the last twelve hours

Clicking on the dot on the map will launch the same table display as appears in the table view. Click on any of the links to view data products.



PSD Wind Profiler Data

www.esrl.noaa.gov/psd/data/obs/datadisplay/

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**Earth System Research Laboratory**  
Physical Sciences Division

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Image Products

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- Satellite Products
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- Texas Trajectory Tool
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- Washington Clickable Map
- Real-time Observations - Map
- Soil Moisture and Surface Flux Observations

Data and Image Archive

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- Selected Non-Active Sites
- Edited Non-Active Sites

Data and Image Downloads

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Site Information

- Site Inventory - Listing
- Site Inventory - Map
- Site Status

Instruments

- Wind Profilers
- S-Band Precipitation Profiler
- Surface Meteorology

Programs

- Hydrometeorological

Active Sites: Bodega Bay (bby) Project: All  
Instrument Categories: All Data Types: All  
Data Format: All Site Status: All

Update Map/Table

Current Time: 2014-04-14 22:28:27 UTC  
Site Status as of 2014-04-14 22:25:00 UTC

Hide Map Hide Table Auto Scale Map

Map Satellite - Collapse All

- Bodega Bay (bby)
  - Data Images
    - Integrated Water Vapor Flux Plot 63P
    - Radar 449MHz-Wind Radh Plot 63P
    - Radar 449MHz-Wind 63P
    - Radar 449MHz-Wind SNR Plot 63P
    - Radar 449MHz-Wind Virtual Temp Plot 63P
    - Radar 449MHz-Wind Virtual Theta Plot 63P
    - Surface Met Plot 63P
    - Datalogger Campbell-SurfaceMet ASCII
    - Gas Trimble-Water Vapor ASCII
    - Radar 449MHz-Bright Band ASCII
    - Radar 449MHz-Weber Wueerts Temp ASCII
    - Radar 449MHz-Weber Wueerts Wind ASCII
    - WaterVaporFluxObs ASCII
    - Gas Trimble-Raw BINARY

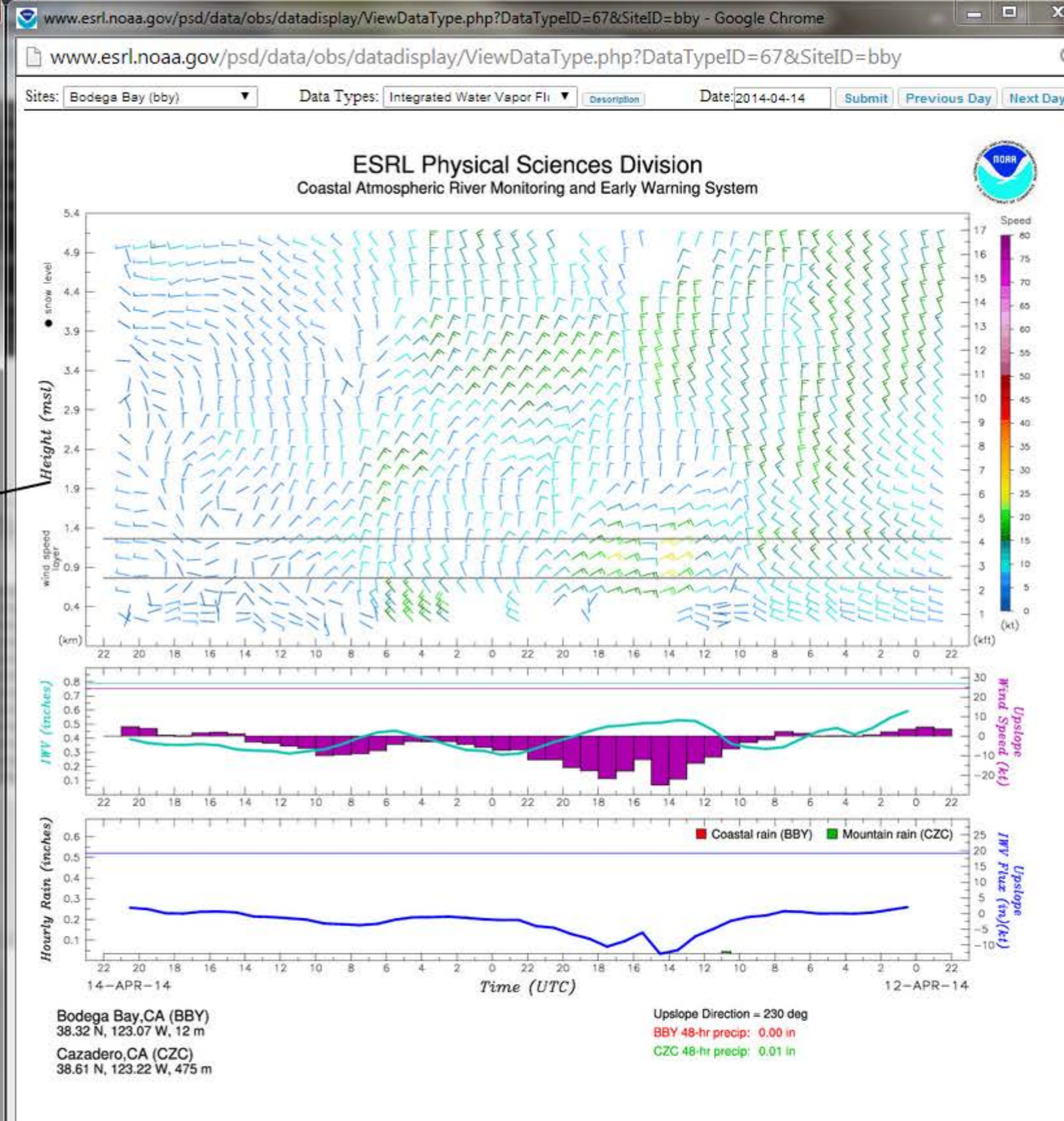
Last Updated 2014-04-14 22:05:00

Map showing Bodega Bay, CA. University of California Davis, Bodega Marine Laboratory. Horseshoe Cove. University of California Marine Lab.

Legend:

- = data received in the last three hours
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- = no data received in the last twelve hours

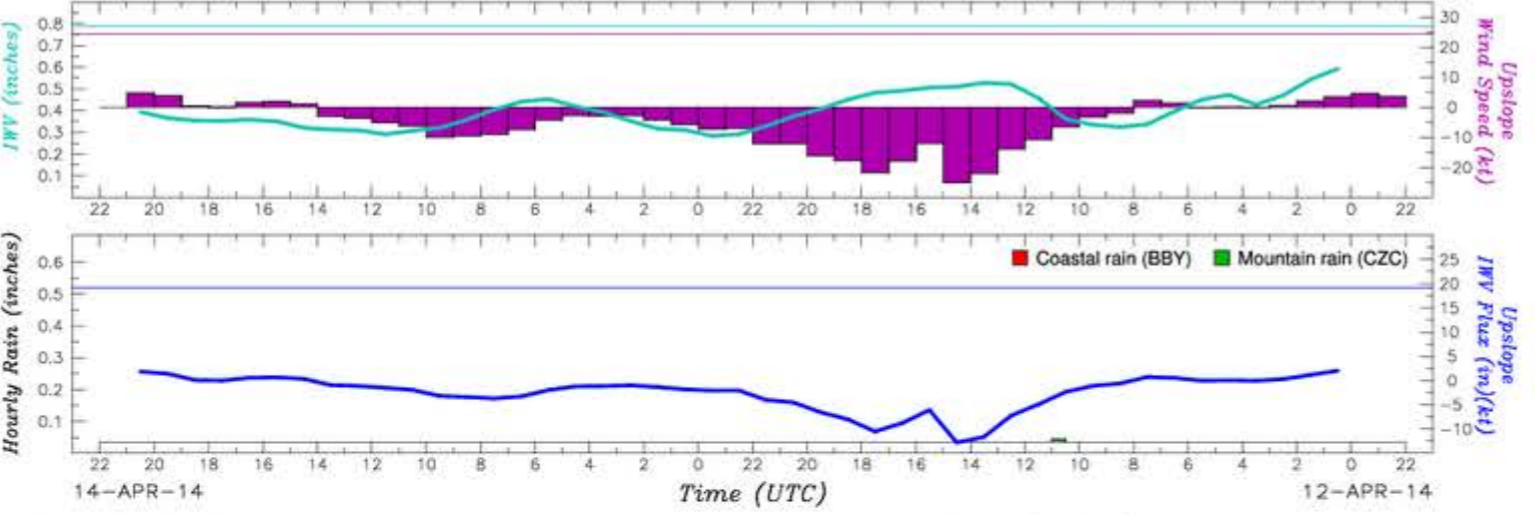
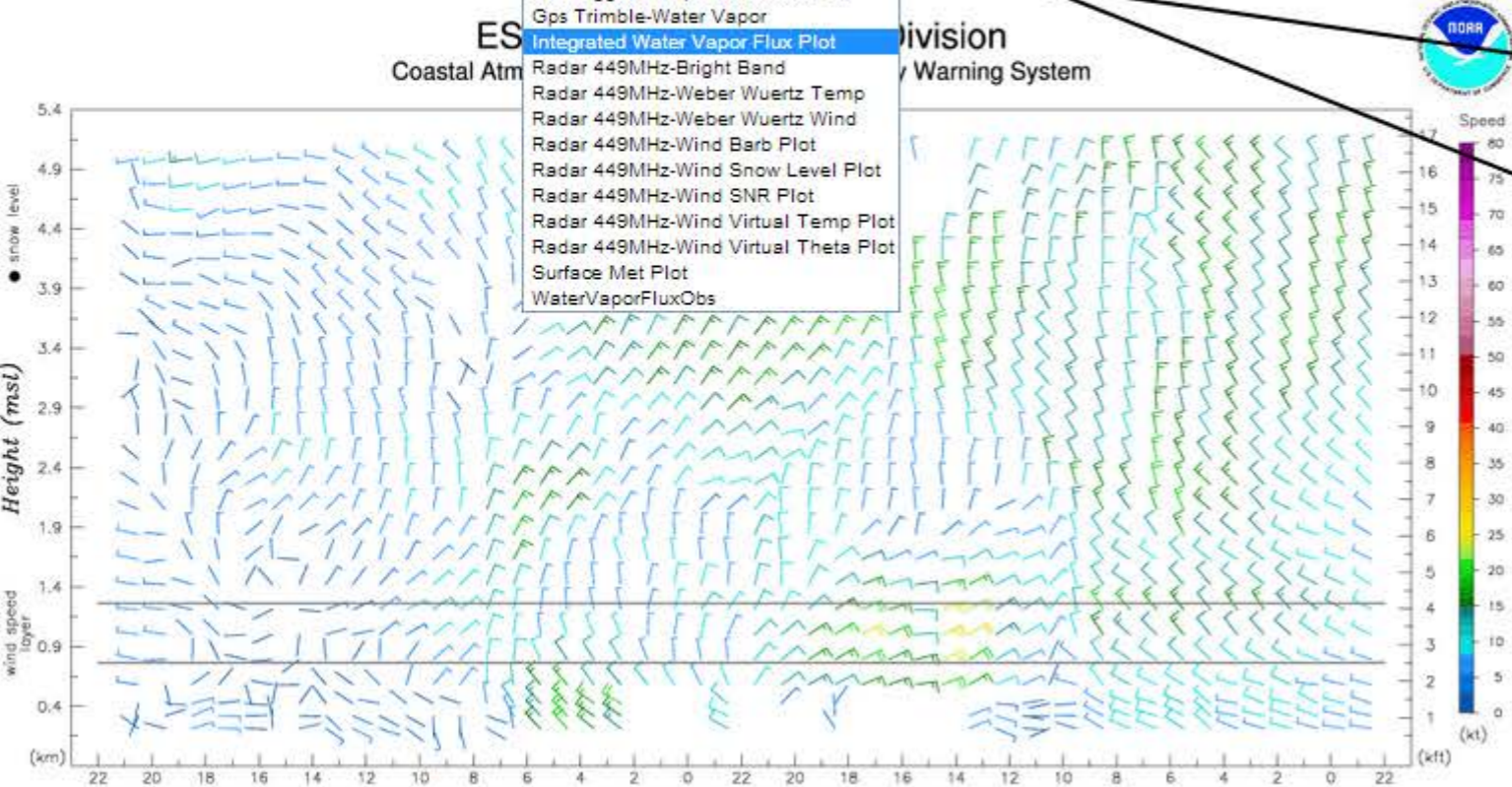
An example of viewing a data product. Clicking on the "Integrated Water Vapor Flux Plot" link launches a new window to view the data product.





Sites: Bodega Bay (bby) Data Types: All Date: 2014-04-14 Submit Previous Day Next Day

- All
- Datalogger Campbell-SurfaceMet
- Gps Trimble-Water Vapor
- Integrated Water Vapor Flux Plot**
- Radar 449MHz-Bright Band
- Radar 449MHz-Weber Wuertz Temp
- Radar 449MHz-Weber Wuertz Wind
- Radar 449MHz-Wind Barb Plot
- Radar 449MHz-Wind Snow Level Plot
- Radar 449MHz-Wind SNR Plot
- Radar 449MHz-Wind Virtual Temp Plot
- Radar 449MHz-Wind Virtual Theta Plot
- Surface Met Plot
- WaterVaporFluxObs



Bodega Bay, CA (BBY)  
38.32 N, 123.07 W, 12 m  
Cazadero, CA (CZC)  
38.61 N, 123.22 W, 475 m

Upslope Direction = 230 deg  
BBY 48-hr precip: 0.00 in  
CZC 48-hr precip: 0.01 in

A drop down menu listing all the data products for the selected active site – Bodega Bay. Likewise, if a data type was selected, you can browse all the sites that have that data type.

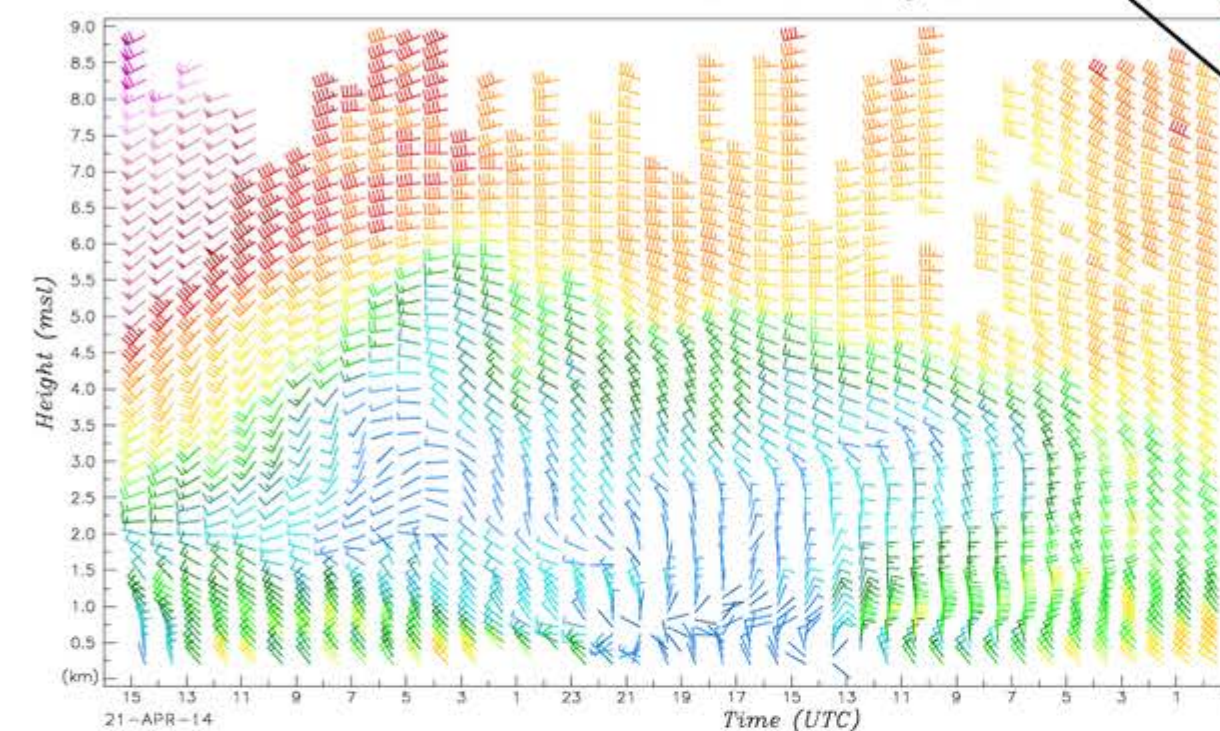
Button to view a detailed description of the data product selected.

Calendar to pick a different data. Buttons that traverse the days from previous to next.



Clicking the "Description" button launches a new window with detailed information of selected data product. In this example, a description of the Radar Wind Profiler Plot is shown.

### ESRL Physical Sciences Division 449-MHz Wind Profiling Radar



Bodega Bay, CA (BBY)  
38.32 N, 123.07 W, 12 m

esrl.noaa.gov/psd/data/obs/data/view\_data\_type\_info.php?DataTypeID=70&SiteID=bby - Google Chrome

esrl.noaa.gov/psd/data/obs/data/view\_data\_type\_info.php?DataTypeID=70&SiteID=bby

### Wind Profiler Winds

A radar wind profiler measures the Doppler shift of electromagnetic energy scattered back from atmospheric turbulence and hydrometeors along 3-5 vertical and off-vertical pointing beam directions. Backscattered signal strength and radial-component velocities are remotely sensed along all beam directions, and are combined to derive the horizontal wind field over the radar. Images include wind barbs, which depict the horizontal wind speed and direction, and color-coded wind speed. These data are typically sampled and averaged for each hour, and typically have 60 m and/or 100 m vertical resolution up to ~4 km and 8 km for the 915 MHz and 449 MHz systems respectively.

### ESRL Physical Sciences Division 915-MHz Wind Profiling Radar

**Return signal from atmosphere is too weak to detect winds**

**Height scale in kilometers and thousands of feet on the left and right vertical axes respectively**

**Wind barbs depict the derived horizontal wind. Speed is represented by the barb symbols in the legend. The addition of these symbols on each barb body gives the total speed. The orientation of the barb body determines wind direction. For example, the upper arrow points to a 15 knot southwesterly wind.**

**Color-coded legend for wind speed contours, in knots. The dynamic range and the minimum and maximum values of the scale remain constant.**

**Spatial and temporal changes in wind direction can be used to identify atmospheric boundaries such as fronts.**

**48-hour period with time increasing from right to left. Time convention is Coordinated Universal Time (UTC).**

**Spatial and temporal regions of wind speed maxima can be used to identify low-level jets.**

Current Time



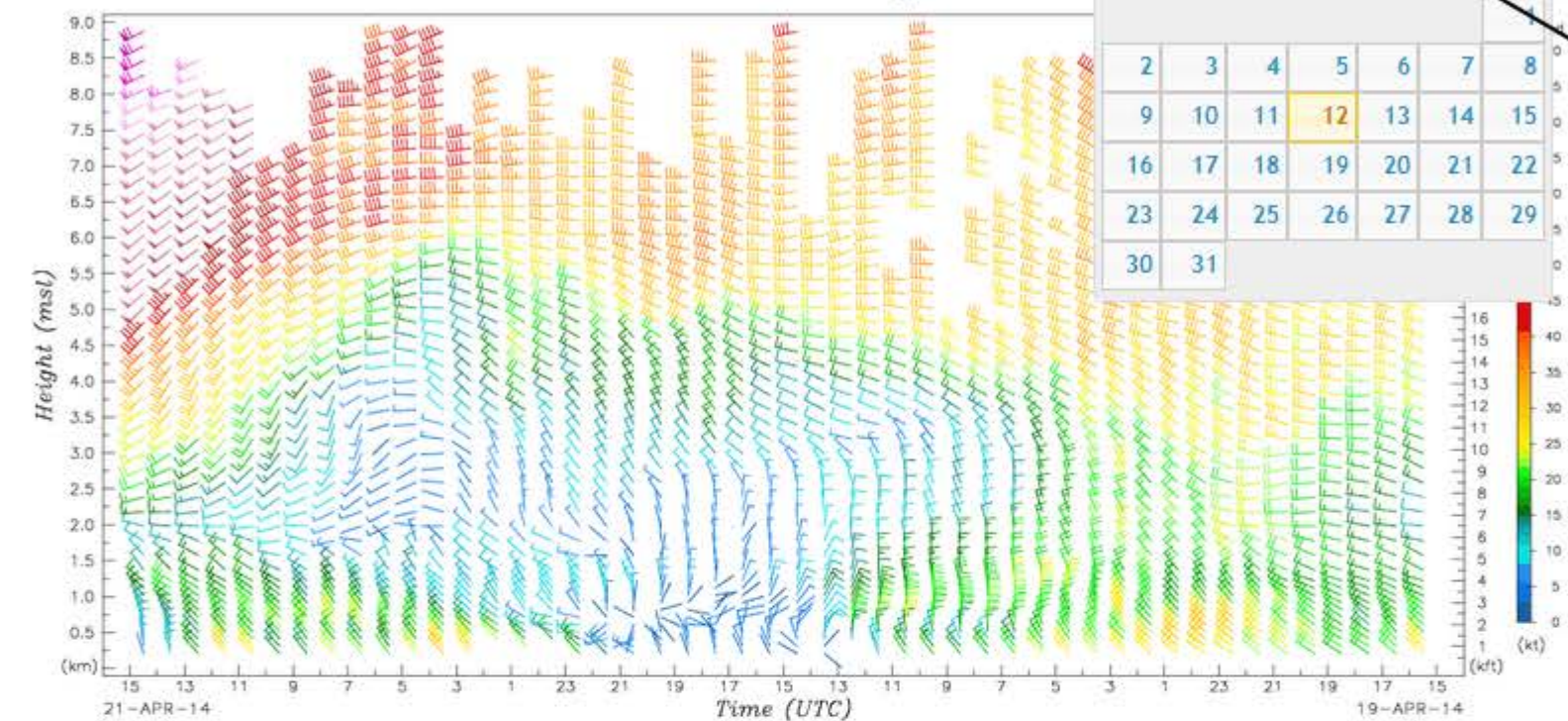
Sites:  Data Types:   Date:

### ESRL Physical Sciences Division 449-MHz Wind Profiling Radar

March, 2014						
Su	Mo	Tu	We	Th	Fr	Sa
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Click "Previous Day" and "New Day" buttons to quickly change +/- one day.

Click "Date" button to input a new date using the calendar widget.



Bodega Bay, CA (BBY)  
38.32 N, 123.07 W, 12 m

0 5 10 50 knots



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**Bodega Bay, CA**

Site ID: bby  
 Latitude: 38.320000 N  
 Longitude: -123.070000 W  
 Elevation: 12 meters  
 Active: Y  
 Site Table: [Site Table](#)  
 Realtime Data: [Realtime Display](#)

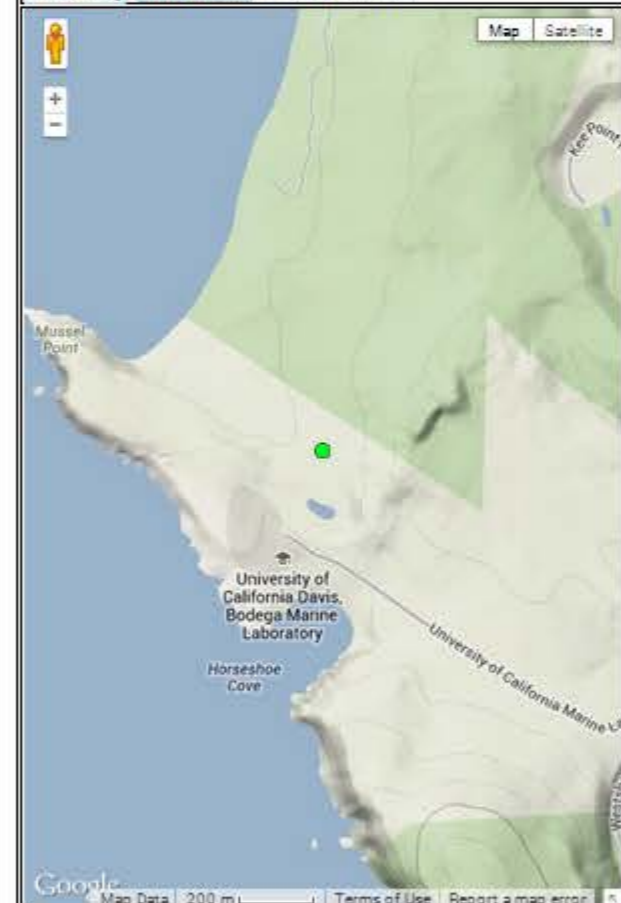
Active Sites:  Project:

Instrument Categories:  Data Types:

Data Format:  Site Status:

Current Time: 2014-04-21 15:23  
 Site Status as of 2014-04-21 15:17

[Hide Map](#) [Hide Table](#)  Auto Scale Map



- Collapse All
- [Bodega Bay \(bby\)](#)
    - Data/Images
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      - [Radar 449MHz-Wind Barb Plot](#)  **63P**
      - [Radar 449MHz-Wind Snow Level Plot](#)  **63P**
      - [Radar 449MHz-Wind SNR Plot](#)  **63P**
      - [Radar 449MHz-Wind Virtual Tempo Plot](#)  **63P**
      - [Radar 449MHz-Wind Virtual Theta Plot](#)  **63P**
      - [Surface Met Plot](#)  **63P**
      - [Datalogger Campbell-SurfaceMet](#) **ASCII**
      - [Gps Trimble-Water Vapor](#) **ASCII**
      - [Radar 449MHz-Bright Band](#) **ASCII**
      - [Radar 449MHz-Weber-Wuertz Tempo](#) **ASCII**
      - [Radar 449MHz-Weber-Wuertz Wind](#) **ASCII**
      - [Water Vapor Flux Obs](#) **ASCII**
      - [Gps Trimble-Raw](#) **BINARY**

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**Data and Image Archive**

- Active Sites
- Selected Non-Active Sites
- Edited Non-Active Sites

**Data and Image Archive**

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- Selected Non-Active Sites
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**Data and Image Downloads**

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**Instruments**

- Wind Profilers
- S-Band Precipitation Profiler
- Surface Meteorology

**Instruments**

- Wind Profilers
- S-Band Precipitation Profiler
- Surface Meteorology

**Programs**

- Hydrometeorological

**Programs**

- Hydrometeorological Testbed

[Active Instruments](#) [Inactive Instruments](#) [Site Outages](#) [Map](#)

Instrument Name	Project Name	Install Date	Removal Date	View Data Types
449 MHz Wind Profiler Digital	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Tipping Bucket TE525	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Radio Acoustic Sounding System	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Pressure Sensor - PTB101B	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Temp/RH CS215	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Wind Speed and Direction 5103	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Net Radiation REBS Q7.1	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
GpsTrimble NetR8	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Datalogger CR800	Hydrometeorology Testbed - West	2013-07-17		<a href="#">view</a>

The default view will show all active instruments running for the selected site.



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- S-Band Precipitation

Active Sites: Bodega Bay (bby) Project: All  
 Instrument Categories: All Data Types: All  
 Data Format: All Site Status: All

[Update Map/Table](#)

Current Time: 2014-0  
 Site Status as of 2014-0

Hide Map Hide Table Auto Scale Map

Map Satellite

University of California Davis, Bodega Marine Laboratory  
 University of California Marine L

Map Data 200 mi Terms of Use Report a map error

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- Wind Profilers
- S-Band Precipitation



**Bodega Bay, CA**  
 Site ID: bby  
 Latitude: 38.320000 N  
 Longitude: -123.070000 W  
 Elevation: 12 meters  
 Active: Y  
 Site Table: [Site Table](#)  
 Realtime Data: [Realtime Display](#)

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Active Instruments Inactive Instruments Site Outages Map

Instrument Type	Project Name	Install Date	Removal Date	View Data Types
Datalogger CR10X	Hydrometeorology Testbed - West	2004-11-12	2012-11-13	<a href="#">view</a>
Tipping Bucket TE525	Hydrometeorology Testbed - West	2004-11-12	2012-11-13	<a href="#">view</a>
915 MHz Wind Profiler Digital	Hydrometeorology Testbed - West	2003-12-19	2012-11-13	<a href="#">view</a>
Radio Acoustic Sounding System	Hydrometeorology Testbed - West	2003-12-19	2012-11-13	<a href="#">view</a>
Pressure Sensor - PTB101B	Hydrometeorology Testbed - West	2004-11-12	2012-11-13	<a href="#">view</a>
Temp/RH CS215	Hydrometeorology Testbed - West	2004-11-12	2012-11-13	<a href="#">view</a>
Wind Speed and Direction 5103	Hydrometeorology Testbed - West	2004-11-12	2012-11-13	<a href="#">view</a>
Solar Radiation CM3	Hydrometeorology Testbed - West	2004-11-12	2012-11-13	<a href="#">view</a>
Net Radiation REBS Q7.1	Hydrometeorology Testbed - West	2004-11-12	2012-11-13	<a href="#">view</a>
GpsTrimble NetRS	Hydrometeorology Testbed - West	2004-11-12	2012-11-13	<a href="#">view</a>
Datalogger CR10X	Hydrometeorology Testbed - West	2013-03-22	2013-07-17	<a href="#">view</a>

Displays all Inactive Instruments for selected site. Here you can access all historical instruments and data by clicking on "view" for an instrument.



Active Sites:  Project:

Instrument Categories:  Data Types:

Data Format:  Site Status:

Current Time: 2014-09-15 10:00:00  
Site Status as of 2014-09-15 10:00:00

Auto Scale Map

**Bodega Bay (bby)**

**-Data/Images**

- [Integrated Water Vapor Flux Plot](#) GIF
- [Radar 449MHz-Wind Barb Plot](#) GIF
- [Radar 449MHz-Wind Snow Level Plot](#) GIF
- [Radar 449MHz-Wind SNR Plot](#) GIF
- [Radar 449MHz-Wind Virtual Temp Plot](#) GIF
- [Radar 449MHz-Wind Virtual Theta Plot](#) GIF
- [Surface Met Plot](#) GIF
- [Datalogger Campbell-SurfaceMet](#) ASCII
- [Gps Trimble-Water Vapor](#) ASCII
- [Radar 449MHz-Bright Band](#) ASCII
- [Radar 449MHz-Weber Woertz Temp](#) ASCII
- [Radar 449MHz-Weber Woertz Wind](#) ASCII
- [WaterVaporFluxObs](#) ASCII
- [Gps Trimble-Raw](#) BINARY

Legend:

- = data received in the last three hours
- = no data received in the last three hours
- = no data received in the last twelve hours

- Image Products**
- Product Availability
  - Product Availability - Legacy
  - Satellite Products
  - CalNex Trajectory Tool
  - Texas Trajectory Tool
  - Arizona Clickable Map
  - Washington Clickable Map
  - Real-time Observations - Map
  - Soil Moisture and Surface Flux Observations



**Bodega Bay, CA**

Site ID: bby  
 Latitude: 38.320000 N  
 Longitude: -123.070000 W  
 Elevation: 12 meters  
 Active: Y  
 Site Table: [Site Table](#)  
 Realtime Data: [Realtime Display](#)

[Active Instruments](#) | [Inactive Instruments](#) | [Site Outages](#) | [Map](#)

OutageID	SiteID	Failure Type	Start Date	End Date	Description	Resolution Description
364	bby	Hardware - Instrument	2014-02-11 23:00:00	2014-02-24 16:00:00	AC unit down. Powered off radar to prevent damage from overheating. Updated 2/21/14. New motor to be replaced Monday for AC unit.	AC motor replaced.
344	bby	Hardware - PC	2013-09-07 00:00:00	2013-11-07 00:00:00	Unable to communicate with datalogger. COM port okay on PC.	Conduit and cable was damaged. Repairs made.
311	bby	Hardware - Instrument	2013-05-24 00:00:00	2013-07-17 18:00:00	Rain gauge switched may have malfunctioned causing false precipitation to be reported.	Rain gauge fixed.
306	bby	Hardware - Instrument	2013-04-15 00:00:00	2013-05-08 16:00:00	Rain gauge switched may have malfunctioned causing false precipitation to be reported.	Fixed.
272	bby	Communication - Cellular	2012-11-13 22:00:00	2013-03-22 00:00:00	Site removed until new 449 MHz replacement.	New 449 MHz site installed.
260	bby	Hardware - Instrument	2012-08-15 02:00:00	2012-10-02 02:00:00	Datalogger unreachable from computer on site. Possible data cable or datalogger problem.	Datalogger connection restored after PC reboot.
247	bby	Hardware - Instrument	2012-07-05 21:00:00	2012-10-11 00:00:00	Profiler getting no return signal. Investigating cause. Update 7/10/12. bad fuse was replaced but profiler still getting no return. Could be problem with transmitter. Profiler will be shut down until repairs are made.	Profiler repaired on site by engineer.
91	bby	Hardware - Instrument	2011-05-04 17:00:00	2011-09-08 01:00:00	Net radiometer removed from site. Values being reported must be discarded. Replacement net radiometer will be installed during next site visit.	Net radiometer replaced.
23	bby	Hardware - Instrument	2011-01-06 18:36:42	2011-03-06 18:36:42	Backup APC critical failure. Radar system has by-passed UPS. Recommend new UPS.	New UPS installed.
15	bby	Hardware - Instrument	2010-12-16 19:00:00	2011-01-07 00:00:00	Reported problems with RASS.	Power to RASS was unplugged. Plugged back in to restore power.

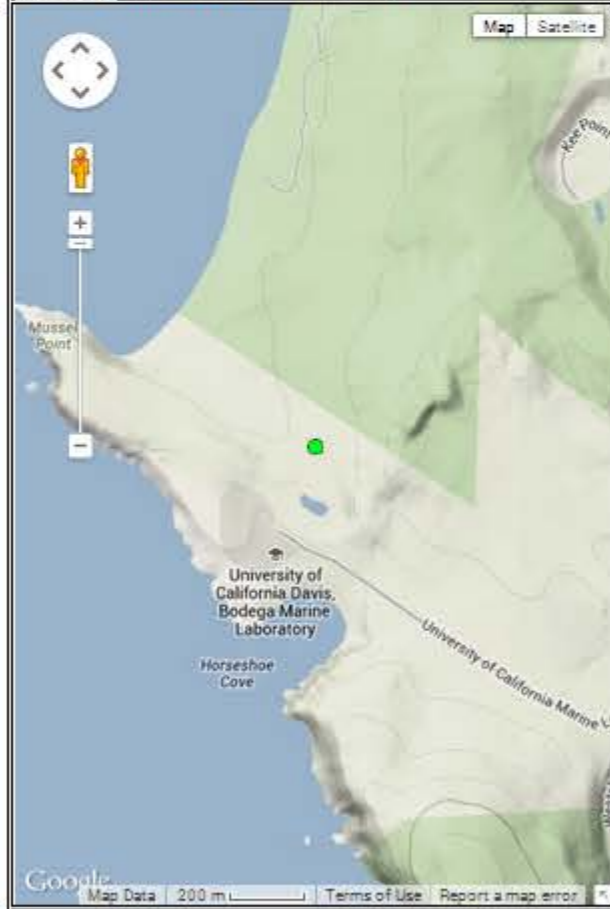
Displays all previous and current site outage information related to the selected site.



Active Sites	Bodega Bay (bby)	Project	All
Instrument Categories	All	Data Types	All
Data Format	All	Site Status	All

[Update Map/Table](#)

[Hide Map](#) [Hide Table](#)  Auto Scale Map



- = data received in the last three hours
- = no data received in the last three hours
- = no data received in the last twelve hours

- Collapse All

- [Bodega Bay \(bby\)](#)
  - Data/Images
    - [Integrated Water Vapor Flux Plot](#) **61F**
    - [Radar 449MHz-Wind Barb Plot](#) **61F**
    - [Radar 449MHz-Wind Snow Level Plot](#) **61F**
    - [Radar 449MHz-Wind SNR Plot](#) **61F**
    - [Radar 449MHz-Wind Virtual Temp Plot](#) **61F**
    - [Radar 449MHz-Wind Virtual Theta Plot](#) **61F**
    - [Surface Met Plot](#) **61F**
    - [Datalogger Campbell-SurfaceMet](#) **ASCII**
    - [Gas Trimble-Water Vapor](#) **ASCII**
    - [Radar 449MHz-Bright Band](#) **ASCII**
    - [Radar 449MHz-Weber Wuezt Temp](#) **ASCII**
    - [Radar 449MHz-Weber Wuezt Wind](#) **ASCII**
    - [WaterVaporFluxObs](#) **ASCII**
    - [Gas Trimble-Raw](#) **BINARY**

- Image Products
  - Product Availability
  - Product Availability - Legacy
  - Satellite Products
  - CalNex Trajectory Tool
  - Texas Trajectory Tool
  - Arizona Clickable Map
  - Washington Clickable Map
  - Real-time Observations - Map
  - Soil Moisture and Surface Flux Observations



**Bodega Bay, CA**

Site ID: bby  
 Latitude: 38.320000 N  
 Longitude: -123.070000 W  
 Elevation: 12 meters  
 Active: Y  
 Site Table: [Site Table](#)  
 Realtime Data: [Realtime Display](#)

[<< Back](#) [Next >>](#)

[Active Instruments](#) [Inactive Instruments](#) [Site Outages](#) [Map](#)



[View Larger Map](#)

Displays a map of site location.

### Data and Image Archive

- Active Sites
- Selected Non-Active Sites
- Edited Non-Active Sites

### Data and Image Downloads

- Instructions
- Download
- Format Descriptions

### Site Information

- Site Inventory - Listing
- Site Inventory - Map
- Site Status

### Instruments

- Wind Profilers
- S-Band Precipitation Profiler
- Surface Meteorology

### Programs

- Hydrometeorological



- Image Products
- Product Availability
- Product Availability - Legacy
- Satellite Products
- CalNex Trajectory Tool
- Texas Trajectory Tool
- Arizona Clickable Map
- Washington Clickable Map
- Real-time Observations - Map
- Soil Moisture and Surface Flux Observations
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- Format Descriptions
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- Site Status
- Instruments
- Wind Profilers
- S-Band Precipitation Profiler



### Bodega Bay, CA

Site ID: bby  
 Latitude: 38.320000 N  
 Longitude: -123.070000 W  
 Elevation: 12 meters  
 Active: Y  
 Site Table: [Site Table](#)  
 Realtime Data: [Realtime Display](#)

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Active Instruments Inactive Instruments Site Outages Map

Instrument Name	Project Name	Install Date	Removal Date	View Data Types
449 MHz Wind Profiler Digital	Hydrometeorology Testbed - West	2013-03-22		view
Tipping Bucket TE525	Hydrometeorology Testbed - West	2013-03-22		view
Radio Acoustic Sounding System	Hydrometeorology Testbed - West	2013-03-22		view
Pressure Sensor - PTB101B	Hydrometeorology Testbed - West	2013-03-22		view
Temp/RH CS215	Hydrometeorology Testbed - West	2013-03-22		view
Wind Speed and Direction 5103	Hydrometeorology Testbed - West	2013-03-22		view
Net Radiation REBS Q7.1	Hydrometeorology Testbed - West	2013-03-22		view
GpsTrimble NetR8	Hydrometeorology Testbed - West	2013-03-22		view
Datalogger CF800	Hydrometeorology Testbed - West	2013-07-17		view

Link to a site table displaying basic meta information for active and inactive sites.

Link to Realtime Data Display home page.

- Image Products
- Product Availability
- Product Availability - Legacy
- Satellite Products
- CalNex Trajectory Tool
- Texas Trajectory Tool
- Arizona Clickable Map
- Washington Clickable Map
- Real-time Observations - Map
- Soil Moisture and Surface Flux Observations

State: [dropdown] Active: Y [dropdown] Search [input]

1 2 3 4 5 Next

Site ID	SiteName	State	Latitude	Longitude	Elevation	Last Archive Date	Active	RealTimeDisplay
and	Arnold	CA	38.235001	-120.370003	1176	2012-10-14	Y	Y
ata	Alta	CA	39.200001	-120.820000	1085	2012-10-14	Y	Y
bao	Erie	CO	40.049999	-105.000000	1577	2011-03-29	Y	Y
bbd	Big Bend	CA	39.299999	-120.519997	1739	2014-02-23	Y	Y
bbi	Black Butte Lake	CA	39.813099	-122.369003	152	2012-11-14	Y	Y
bby	Bodega Bay	CA	38.320000	-123.070000	12	2014-04-01	Y	Y
bdt	Brindletown	NC	35.642300	-81.780998	353		Y	Y
bkr	Baker (P618)	CA	35.141998	-116.103996	257.8	2012-10-14	Y	Y
blu	Blue Canyon	CA	39.279999	-120.709999	1610	2014-02-24	Y	Y
bna	Boundary Air (P025)	ID	48.730999	-116.287003	695.89		Y	Y
boc	Black Oak	AZ	31.559999	-110.540001	1556	2012-10-14	Y	Y
brg	Burnt Ridge (P188)	CA	38.669998	-123.230003	240	2012-10-14	Y	Y

- Image Products
- Product Availability
- Product Availability - Legacy
- Satellite Products
- CalNex Trajectory Tool
- Texas Trajectory Tool
- Arizona Clickable Map
- Washington Clickable Map
- Real-time Observations -

Active Sites: [All] [dropdown]  
 Instrument Categories: [All] [dropdown]  
 Data Format: [All] [dropdown]  
 Project: [All] [dropdown]  
 Data Types: [All] [dropdown]  
 Site Status: [All] [dropdown]

Update Map/Table

Current Time: 2014-04-21 22:17:27 UTC  
Site Status as of 2014-04-21 22:12:00 UTC



- Collapse All
- Alexander (pic)
- Data/Images
- Datalogger Campbell-SurfaceMet ASCII



**Image Products**

- Product Availability
- Product Availability - Legacy
- Satellite Products
- CalNex Trajectory Tool
- Texas Trajectory Tool
- Arizona Clickable Map
- Washington Clickable Map
- Real-time Observations - Map
- Soil Moisture and Surface Flux Observations

**Data and Image Archive**

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**Data and Image Downloads**

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- Download
- Format Descriptions

**Site Information**

- Site Inventory - Listing
- Site Inventory - Map
- Site Status

**Instruments**

- Wind Profilers



**Bodega Bay, CA**

Site ID: bby  
 Latitude: 38.320000 N  
 Longitude: -123.070000 W  
 Elevation: 12 meters  
 Active: Y  
 Site Table: [Site Table](#)  
 Realtime Data: [Realtime Display](#)

Active Instruments | Inactive Instruments | Site Outage

Instrument Name	Project Name
<a href="#">449 MHz Wind Profiler Digital</a>	Hydrometeorology Testbed - West
<a href="#">Tipping Bucket TE525</a>	Hydrometeorology Testbed - West
<a href="#">Radio Acoustic Sounding System</a>	Hydrometeorology Testbed - West
<a href="#">Pressure Sensor - PTB101B</a>	Hydrometeorology Testbed - West
<a href="#">Temp/RH CS215</a>	Hydrometeorology Testbed - West
<a href="#">Wind Speed and Direction 5103</a>	Hydrometeorology Testbed - West
<a href="#">Net Radiation REBS Q7.1</a>	Hydrometeorology Testbed - West
<a href="#">GpsTrimble NetR8</a>	Hydrometeorology Testbed - West
<a href="#">Datalogger CR800</a>	Hydrometeorology Testbed - West

Clicking an instrument link will launch a page to detailed information about the selected instrument. In this example, "449 MHz Wind Profiler Digital" will open a page displaying information on wind profilers.

**Image Products**

- Product Availability
- Product Availability - Legacy
- Satellite Products
- CalNex Trajectory Tool
- Texas Trajectory Tool
- Arizona Clickable Map
- Washington Clickable Map
- Real-time Observations - Map
- Soil Moisture and Surface Flux Observations

**Data and Image Archive**

- Active Sites
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- Edited Non-Active Sites

**Data and Image Downloads**

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- Download
- Format Descriptions

**Site Information**

- Site Inventory - Listing
- Site Inventory - Map
- Site Status

**Instruments**

- Wind Profilers
- S-Band Precipitation Profiler

## Wind Profilers

Wind profilers are Doppler radars that most often operate in the VHF (30-300 MHz) or UHF (300-1000 MHz) frequency bands. There are three primary types of radar wind profilers in operation in the U.S. today. The NOAA Profiler Network (NPN) profiler operates at a frequency of 404 MHz (Table 1, Fig. 1a). The second type of profiler that is used by NOAA research and outside agencies is the 915-MHz boundary-layer profiler (Table 1, Fig. 1b). The 404-MHz profilers are more expensive to build and operate, but they provide the deepest coverage of the atmosphere. The 915-MHz profilers are smaller and cheaper to build and operate, but they lack height coverage much above the boundary layer. A third type of profiler that operates at 449 MHz (the so-called 1/4-scale 449-MHz profilers) combines the best sampling attributes of the other two systems (Table 1, Fig. 1c).

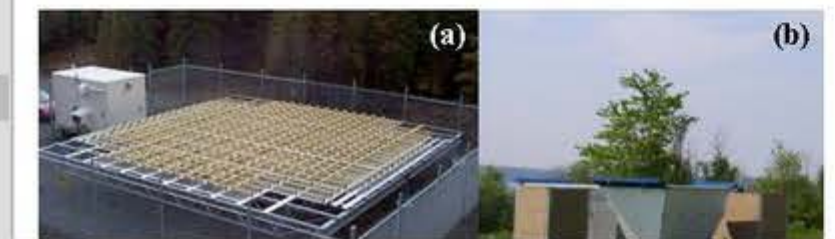


915 MHz phased array wind profiler

**Table 1.** Physical, operating, and sampling characteristics of wind profilers.

	404-MHz (NPN)	915-MHz (boundary layer)	449-MHz (quarter-scale)
<b>Antenna type</b>	Coaxial-colinear phased array	Flat rectangular microstrip patch	Coaxial-colinear phased array
<b>Antenna diameter (m)</b>	13	2	6
<b>Beamwidth (deg.)</b>	4	10	10
<b>Peak transmit power (W)</b>	6000	500	2000
<b>Transmit pulse width (μs)</b>	3.3 <sup>p</sup> , 20 <sup>p</sup>	0.417*, 0.708* <sup>p</sup>	0.708*, 2.833
<b>Height coverage (m)</b>	500** - 16,000	120 - 4,000	180 <sup>+</sup> - 8,000
<b>Vertical resolution (m)</b>	320 <sup>†</sup> , 900 <sup>†</sup>	63, 106*	106, 212* <sup>†</sup>
<b>Temporal resolution (min)</b>	60	60	60

- \* These settings reflect how the profilers were operated during typical deployments. Other degraded transmit and sampling resolutions are possible.
- <sup>p</sup> Pulse-coding was used in selected operating modes to boost signal power and increase altitude coverage (for more information on pulse coding, see Ghebrehirhan, 1990).
- <sup>+</sup> This minimum detectable range has been achieved with the 1/4-scale 449-MHz profilers using a 0.7-μs pulse.
- \*\* Signal attenuators prevent accurate radar reflectivity data below 1 km.
- <sup>†</sup> Increased vertical resolution as compared to the transmit pulse length was accomplished by oversampling.



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Department of Commerce | National Oceanic & Atmospheric Administration | NOAA Research

# Earth System Research Laboratory

## Physical Sciences Division

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Products

Availability

Availability -

Products

Project Tool

Project Tool

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Image Archive

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on-Active

n-Active Sites

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uments

### Bodega Bay, CA

Site ID: bby  
 Latitude: 38.320000 N  
 Longitude: -123.070000 W  
 Elevation: 12 meters  
 Active: Y  
 Site Table: [Site Table](#)  
 Realtime Data: [Realtime Display](#)

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Active Instruments | Inactive Instruments | Site Outages | Map

Instrument Name	Project Name	Install Date	Removal Date	View Data Types
449 MHz Wind Profiler Digital	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Tipping Bucket TE525	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Radio Acoustic Sounding System	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Pressure Sensor - PTB101B	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Temp/RH CS215	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Wind Speed and Direction 5103	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Net Radiation REBS Q7.1	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
GpsTrimble NetR8	Hydrometeorology Testbed - West	2013-03-22		<a href="#">view</a>
Datalogger CR800	Hydrometeorology Testbed - West	2013-07-17		<a href="#">view</a>

www.esrl.noaa.gov/psd/data/obs/data/view\_data\_type.php?SiteID=bby&InstTypeID=28 - Google Chrome

www.esrl.noaa.gov/psd/data/obs/data/view\_data\_type.php?SiteID=bby&InstTypeID=28

Sites: Bodega Bay (bby) | Project: All | Instrument Types: 449 MHz Wind Profiler Digital | Instrument Categories: All | Data Types: All | Data Format: All

[Submit](#)

Site ID	Data Type Name	Start Date	End Date	Realtime Directory	Data State	View Data Format
bby	Radar 449MHz-Spectra	2013-03-22		<a href="#">View</a>	Binary	<a href="#">View</a>
bby	Radar 449MHz-Moment	2013-03-22		<a href="#">View</a>	Binary	<a href="#">View</a>
bby	Radar 449MHz-Bright Band	2013-03-22		<a href="#">View</a>	ASCII	<a href="#">View</a>
bby	Radar 449MHz-Weber Wuertz Wind	2013-03-22		<a href="#">View</a>	ASCII	<a href="#">View</a>
bby	Radar 449MHz-Weber Wuertz Temp	2013-03-22		<a href="#">View</a>	ASCII	<a href="#">View</a>
bby	WaterVaporFluxObs	2013-03-22		<a href="#">View</a>	ASCII	<a href="#">View</a>
bby	Radar 449MHz-Wind SNR Plot	2013-03-22		<a href="#">View</a>	Image	<a href="#">View</a>
bby	Radar 449MHz-Wind Barb Plot	2013-03-22		<a href="#">View</a>	Image	<a href="#">View</a>
bby	Radar 449MHz-Wind Virtual Temp Plot	2013-03-22		<a href="#">View</a>	Image	<a href="#">View</a>
bby	Radar 449MHz-Wind Virtual Theta Plot	2013-03-22		<a href="#">View</a>	Image	<a href="#">View</a>
bby	Radar 449MHz-Wind Snow Level Plot	2013-03-22		<a href="#">View</a>	Image	<a href="#">View</a>

Clicking the "view" on this page will direct you to the realtime ftp directory where you can access the data currently being collected.

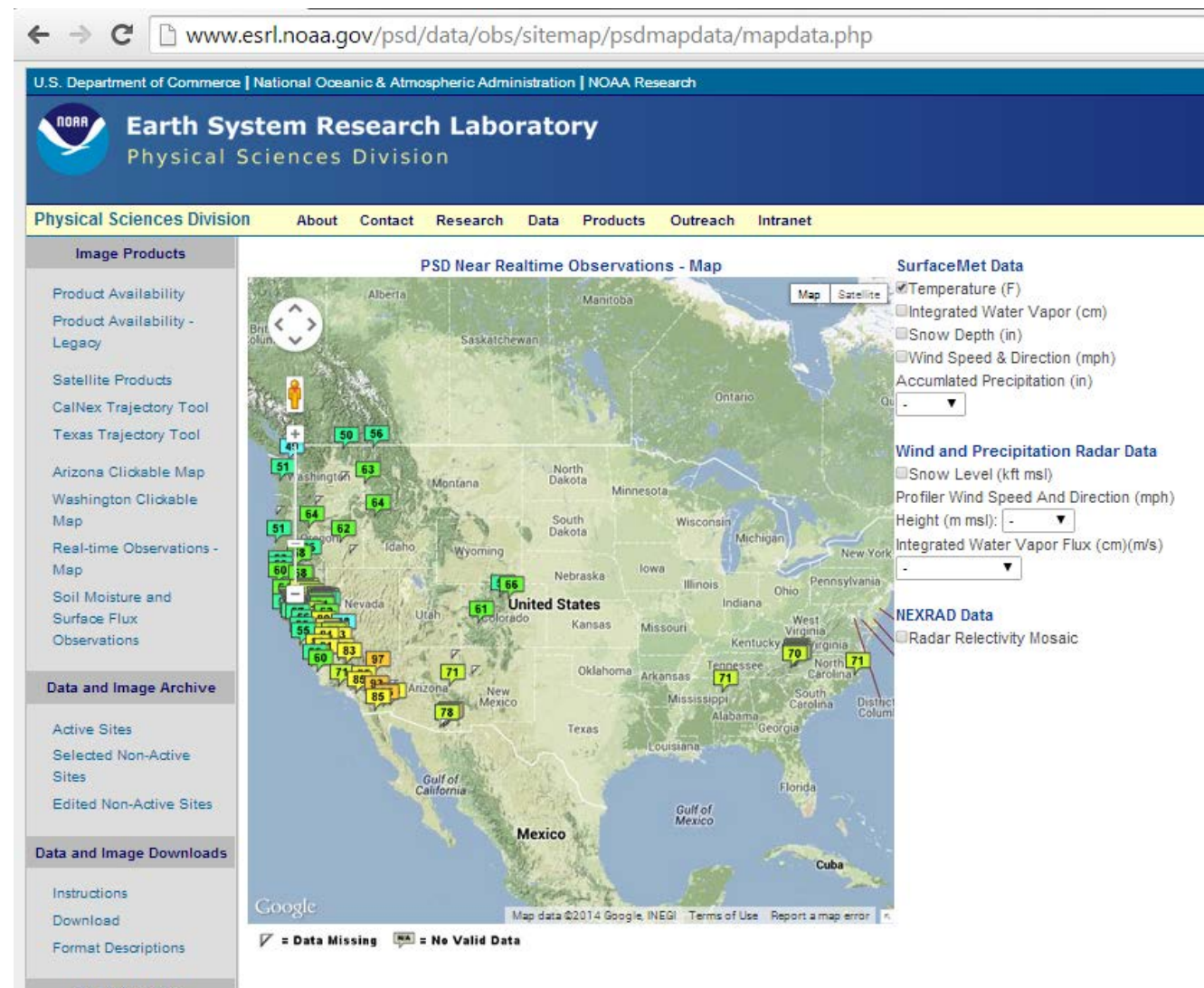
A user can also use this page to view other sites' and instruments' data currently being collected by using the drop down menu system above.

Clicking the "view" link for the data types will launch a page displaying detailed information about data types collected for that site and instrument.



# Real-time Data Display Map

<http://www.esrl.noaa.gov/psd/data/obs/sitemap/psdmapdata/mapdata.php>





- Image Products**
  - Product Availability
  - Product Availability - Legacy
  - Satellite Products
  - CalNex Trajectory Tool
  - Texas Trajectory Tool
  - Arizona Clickable Map
  - Washington Clickable Map
  - Real-time Observations - Map**
  - Soil Moisture and Surface Flux Observations
- Data and Image Archive**
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  - Selected Non-Active Sites
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- Data and Image Downloads**
  - Instructions
  - Download
  - Format Descriptions
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  - Site Status
- Instruments**
  - Wind Profilers
  - S-Band Precipitation Profiler
  - Surface Meteorology
- Programs**
  - Hydrometeorological Testbed
  - Weather/Climate



- SurfaceMet Data**
- Temperature (F)
  - Integrated Water Vapor (cm)
  - Snow Depth (in)
  - Wind Speed & Direction (mph)
  - Accumulated Precipitation (in)
  - ▾
- Wind and Precipitation Radar Data**
- Snow Level (kft msl)
  - Profiler Wind Speed And Direction (mph)
  - Height (m msl): - ▾
  - Integrated Water Vapor Flux (cm)(m/s)
  - ▾
- NEXRAD Data**
- Radar Relectivity Mosaic

Displays current hourly temperatures for all active sites with a temperature sensor.



**Image Products**

- Product Availability
- Product Availability - Legacy
- Satellite Products
- CalNex Trajectory Tool
- Texas Trajectory Tool
- Arizona Clickable Map
- Washington Clickable Map
- Real-time Observations - Map
- Soil Moisture and Surface Flux Observations

**Data and Image Archive**

- Active Sites
- Selected Non-Active Sites
- Edited Non-Active Sites

**Data and Image Downloads**

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- Download
- Format Descriptions

**Site Information**

- Site Inventory - Listing
- Site Inventory - Map
- Site Status

**Instruments**

- Wind Profilers
- S-Band Precipitation Profiler
- Surface Meteorology

**Programs**

- Hydrometeorological Testbed
- Weather/Climate Connection

**PSD Near Realtime Observations - Map**



**SurfaceMet Data**

- Temperature (F)
- Integrated Water Vapor (cm)
- Snow Depth (in)
- Wind Speed & Direction (mph)
- Accumulated Precipitation (in)

**Wind and Precipitation Radar Data**

- Snow Level (kft msl)
- Profiler Wind Speed And Direction (mph)
- Height (m msl):
- Integrated Water Vapor Flux (cm)(m/s)

**NEXRAD Data**

- Radar Reflectivity Mosaic

Displays half-hourly Integrated Water Vapor (IWW) for all active sites that have a IWW/GPS sensor.



- Image Products
  - Product Availability
  - Product Availability - Legacy
  - Satellite Products
  - CalNex Trajectory Tool
  - Texas Trajectory Tool
  - Arizona Clickable Map
  - Washington Clickable Map
  - Real-time Observations - Map
  - Soil Moisture and Surface Flux Observations

- Data and Image Archive
  - Active Sites
  - Selected Non-Active Sites
  - Edited Non-Active Sites

- Data and Image Downloads
  - Instructions
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  - Format Descriptions

- Site Information
  - Site Inventory - Listing
  - Site Inventory - Map
  - Site Status

- Instruments
  - Wind Profilers
  - S-Band Precipitation Profiler
  - Surface Meteorology

- Programs
  - Hydrometeorological Testbed
  - Weather/Climate Connection



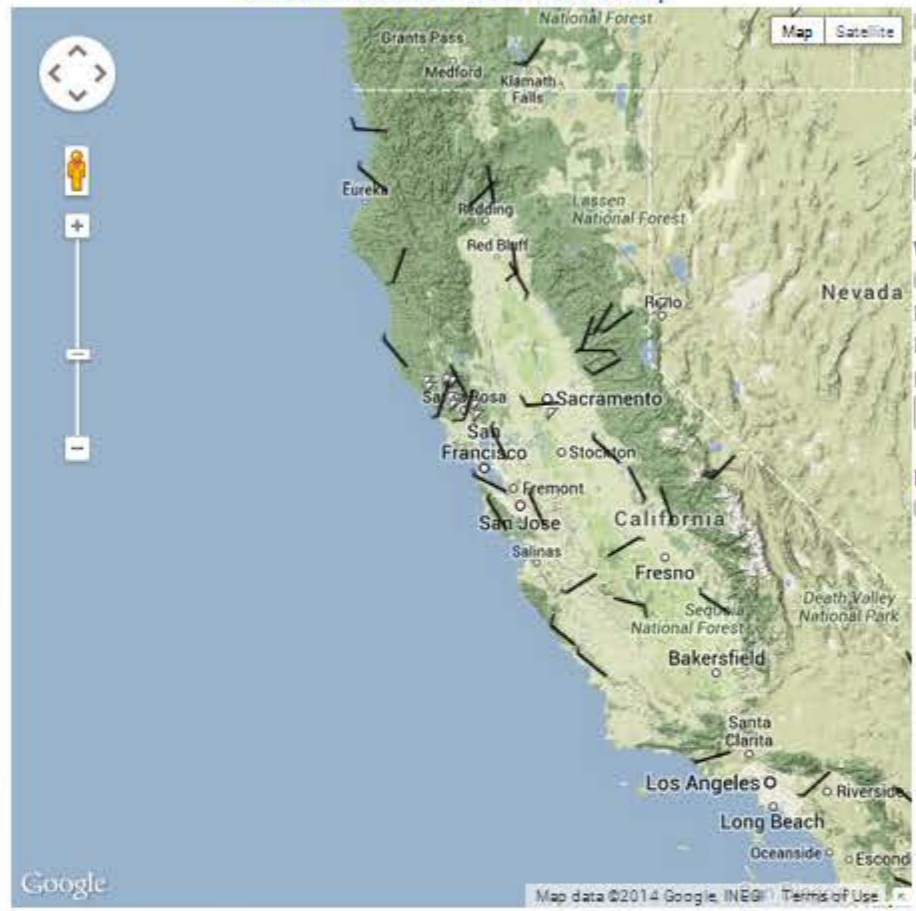
- SurfaceMet Data**
- Temperature (F)
  - Integrated Water Vapor (cm)
  - Snow Depth (in) ————— Displays hourly snow depth for all active sites with a snow depth sensor.
  - Wind Speed & Direction (mph)
  - Accumulated Precipitation (in)
    - ▾
- Wind and Precipitation Radar Data**
- Snow Level (kft msl)
  - Profiler Wind Speed And Direction (mph)
  - Height (m msl): - ▾
  - Integrated Water Vapor Flux (cm)(m/s)
    - ▾
- NEXRAD Data**
- Radar Relectivity Mosaic

Displays hourly snow depth for all active sites with a snow depth sensor.



- Image Products**
  - Product Availability
  - Product Availability - Legacy
  - Satellite Products
  - CalNex Trajectory Tool
  - Texas Trajectory Tool
  - Arizona Clickable Map
  - Washington Clickable Map
  - Real-time Observations - Map
  - Soil Moisture and Surface Flux Observations
- Data and Image Archive**
  - Active Sites
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  - Edited Non-Active Sites
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  - Site Inventory - Map
  - Site Status
- Instruments**
  - Wind Profilers
  - S-Band Precipitation Profiler
  - Surface Meteorology
- Programs**
  - Hydrometeorological Testbed
  - Weather/Climate Connection

PSD Near Realtime Observations - Map



SurfaceMet Data

- Temperature (F)
- Integrated Water Vapor (cm)
- Snow Depth (in)
- Wind Speed & Direction (mph)
- Accumulated Precipitation (in)

Displays surface wind speeds and directions for all active sites that have an anemometer.

Wind and Precipitation Radar Data

- Snow Level (kft msl)
- Profiler Wind Speed And Direction (mph)
- Height (m msl): [dropdown]
- Integrated Water Vapor Flux (cm)(m/s)

NEXRAD Data

- Radar Relectivity Mosaic

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🚩 = Data Missing 🚫 = No Valid Data



Image Products

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Data and Image Archive

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Data and Image Downloads

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- Format Descriptions

Site Information

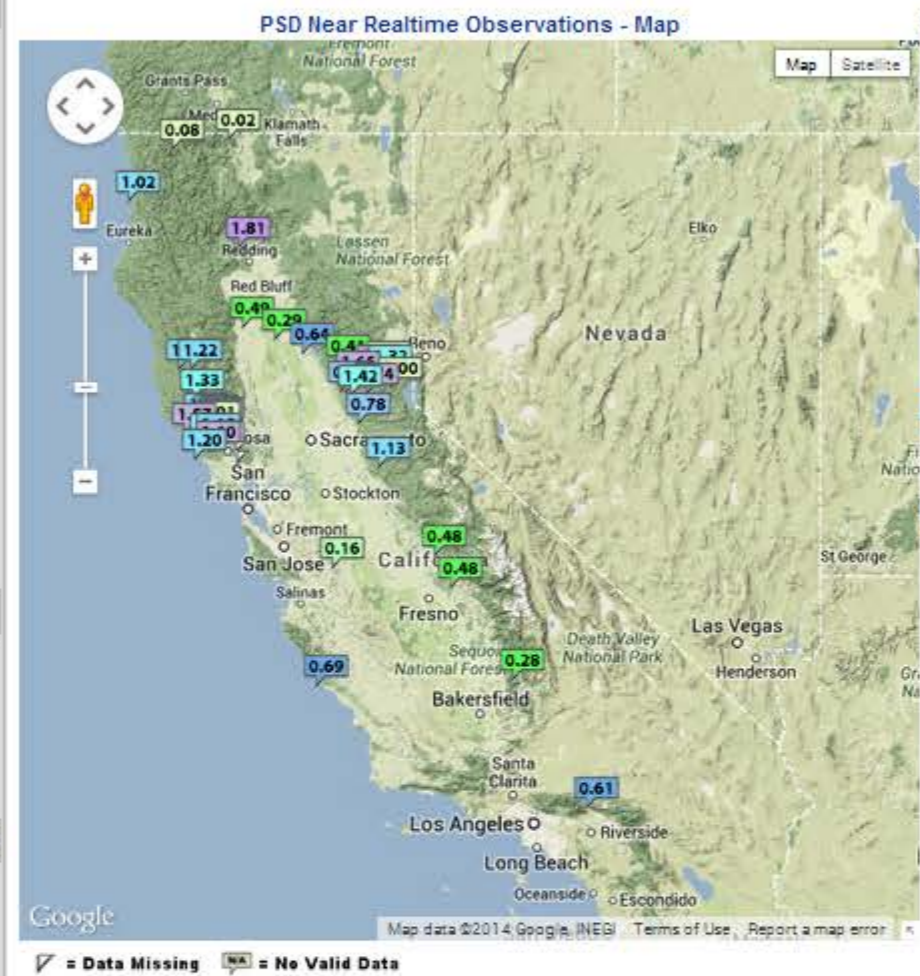
- Site Inventory - Listing
- Site Inventory - Map
- Site Status

Instruments

- Wind Profilers
- S-Band Precipitation Profiler
- Surface Meteorology

Programs

- Hydrometeorological Testbed
- Weather/Climate Connection



**SurfaceMet Data**

- Temperature (F)
- Integrated Water Vapor (cm)
- Snow Depth (in)
- Wind Speed & Direction (mph)
- Accumulated Precipitation (in)

48Hr ▼

- 
- 1Hr
- 3Hr
- 6Hr
- 12Hr
- 24Hr
- 48Hr

**Precipitation Radar Data**

- Level (kft msl)
- Wind Speed And Direction (mph)
- Level (msl): - ▼
- Water Vapor Flux (cm)(m/s)
- ▼

**NEXRAD Data**

- Radar Relectivity Mosaic

Displays 1,3,6,12,24 and 48 hour accumulated precipitation for all actives sites with a rain gauge.



**Image Products**

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- Surface Meteorology

**Programs**

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**PSD Near Realtime Observations - Map**



**SurfaceMet Data**

- Temperature (F)
- Integrated Water Vapor (cm)
- Snow Depth (in)
- Wind Speed & Direction (mph)
- Accumulated Precipitation (in)
- ▾

**Wind and Precipitation Radar Data**

- Snow Level (kft msl)
- Profiler Wind Speed And Direction (mph)
- Height (m msl): - ▾
- Integrated Water Vapor Flux (cm)(m/s)
- ▾

**NEXRAD Data**

- Radar Relectivity Mosaic

Displays hourly snow levels for all active sites that have remote sensing snow level detection.



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PSD Near Realtime Observations - Map



- SurfaceMet Data
- Temperature (F)
  - Integrated Water Vapor (cm)
  - Snow Depth (in)
  - Wind Speed & Direction (mph)
  - Accumulated Precipitation (in)
  - [dropdown]
- Wind and Precipitation Radar Data
- Snow Level (kft msl)
  - Profiler Wind Speed And Direction (mph)
  - Height (m msl): 1200 [dropdown]
  - Integrated Water Vapor Flux (cm)(m/s)
  - [dropdown]
- NEXRAD Data
- Radar Relectivity Mosaic

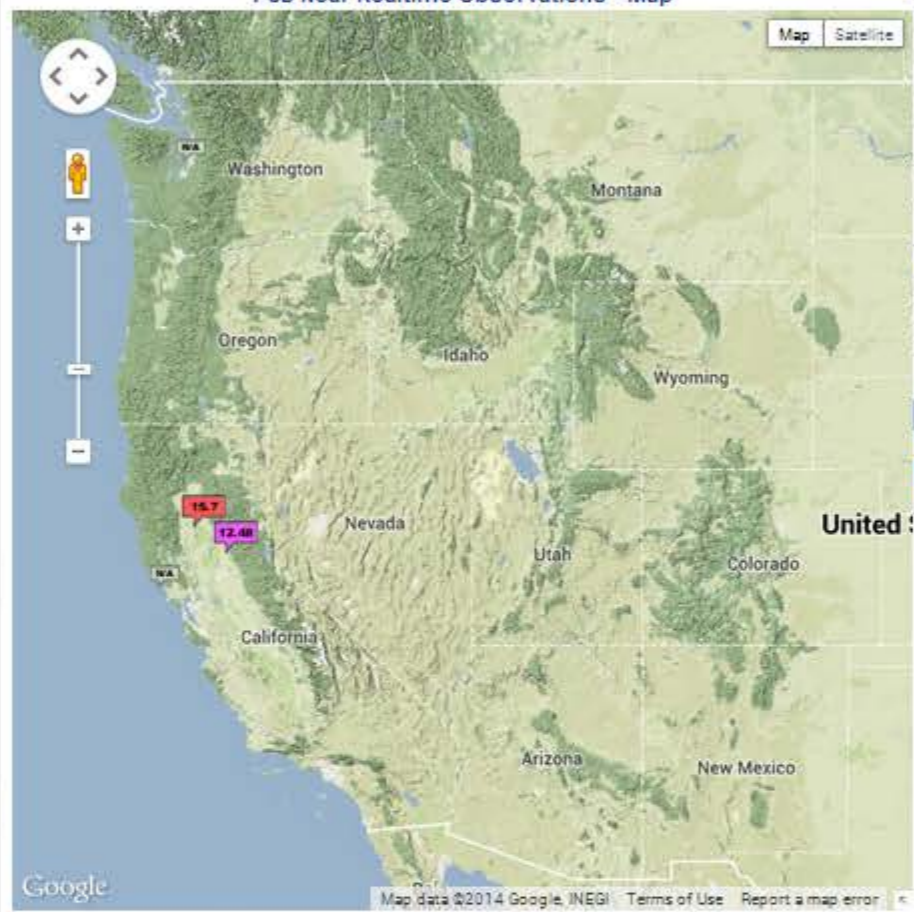
Displays hourly wind speed and directions for active sites with a wind profiler. Drop down menu shows the available height in meters (msl).

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PSD Near Realtime Observations - Map



SurfaceMet Data

- Temperature (F)
- Integrated Water Vapor (cm)
- Snow Depth (in)
- Wind Speed & Direction (mph)
- Accumulated Precipitation (in)
- 

Wind and Precipitation Radar Data

- Snow Level (kft msl)
- Profiler Wind Speed And Direction (mph)
- Height (m msl): -
- Integrated Water Vapor Flux (cm)(m/s)
- Total Flux
- 
- Total Flux
- Upslope Flux
- Mosaic

Displays hourly Total Flux or Upslope Flux for active sites that have remote sensing wind profilers and Integrate Water Vapor (IWV) GPS type sensors.



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- SurfaceMet Data**
- Temperature (F)
  - Integrated Water Vapor (cm)
  - Snow Depth (in)
  - Wind Speed & Direction (mph)
  - Accumulated Precipitation (in)
  - [dropdown]
- Wind and Precipitation Radar Data**
- Snow Level (kft msl)
  - Profiler Wind Speed And Direction (mph)
  - Height (m msl): - [dropdown]
  - Integrated Water Vapor Flux (cm)(m/s)
  - [dropdown]

- NEXRAD Data**
- Radar Relectivity Mosaic

Displays current mosaic radar reflectivity.