

CoastWatch Software and Utilities: cwstatus

cwstatus: “shows the availability of data on a CoastWatch data server.”

NOAA’s CoastWatch Program processes a variety of data sets; however, not all the data are located on the same server. CWstatus is used to show the available data on the server that hosts POES/AVHRR processed data files.

To begin, open CoastWatch Status Monitor.

(Using windows explorer, navigate to the ‘bin’ folder within the CoastWatch Utilities folder. You are looking for cwstatus.exe. For example: C:\CoastWatch Utilities\bin or C:\Program Files\CoastWatch Utilities\bin)

- Go to File > New Server

The data available on this server is AVHRR Level 2 data. The server name is: psbcw1.nesdis.noaa.gov

The screenshot shows the 'cwstatus' application window. The title bar reads 'cwstatus'. The menu bar contains 'File' and 'Help'. The main content area is divided into several sections:

- Server Status:** Host: psbcw1.nesdis.noaa.gov updated at 2004/10/19 10:54:33 EDT. Activity: (Idle) with a green square icon and a refresh button.
- Incoming:** An empty text box.
- Waiting:** 2004_293_1416_n17_wi.lac.gz
- Online Data:** A table with columns: Satellite, Sensor, Date, Time, Scene, Orbit, Lines, and Station.
- Data Coverage:** A globe showing satellite coverage lines.
- Data Preview:** A black area with a toolbar on the right containing icons for zoom, pan, and other functions.

Annotations 'A' and 'B' with arrows point to the 'Satellite' column header and the window's maximize button, respectively.

Satellite	Sensor	Date	Time	Scene	Orbit	Lines	Station
NOAA-17	AVHRR	2004/10/14	10:47	DAY/NIGHT	ASCENDING	4423	Gilmore Creek, AK
NOAA-16	AVHRR	2004/10/14	10:59	NIGHT	DESCENDING	3309	Gilmore Creek, AK
NOAA-15	AVHRR	2004/10/14	11:05	DAY/NIGHT	DESCENDING	5040	Wallops Island, VA
NOAA-16	AVHRR	2004/10/14	11:05	NIGHT	DESCENDING	4921	Monterey, CA

- A: To sort by column, click on that column title.

- B: To expand the window size, drag the mouse over for double headed arrow. Left click and hold while adjusting the window.

Click on data file to see coverage area and a preview of the data.

Server Status

Host: psbcw1.nesdis.noaa.gov updated at 2004/10/19 11:05:34 EDT

Activity: (Processing 2004_293_1416_n17_wi)

Incoming: Waiting: 2004_293_1416_n17_wi.lac.gz

Satellite	Sensor	Date	Time	Scene	Orbit	Lines	Station
NOAA-17	AVHRR	2004/10/19	05:00	NIGHT	ASCENDING	4000	Wallops Island, VA
NOAA-16	AVHRR	2004/10/19	06:43	NIGHT	DESCENDING	4846	Wallops Island, VA
NOAA-16	AVHRR	2004/10/19	08:24	NIGHT	DESCENDING	5039	Wallops Island, VA
NOAA-15	AVHRR	2004/10/19	10:46	DAY/NIGHT	DESCENDING	4809	Wallops Island, VA
NOAA-15	AVHRR	2004/10/19	12:26	DAY/NIGHT	DESCENDING	4795	Wallops Island, VA

Data Coverage: A globe showing a rectangular data swath over the Atlantic Ocean.

Data Preview: A zoomed-in satellite image of the data swath area, showing a coastal region with a mix of land and water.

To download the L2 HDF data file, go to the website <http://psbcw1.nesdis.noaa.gov/processed/>
Please see the '00-Readme.html' file for naming conventions.

Level 2 data means that the radiances have been converted to a geophysical parameter, and may have been calibrated with atmospheric corrections applied. However, the data has not been mapped, and is only in swath format. To map the data, see the "cwmaster" tutorial.

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