

**NATIONAL WEATHER SERVICE  
PRODUCT DESCRIPTION DOCUMENT (PDD)  
TYPE: *Experimental Product*  
DATE: *August 04, 2003***

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TROPICAL CYCLONE CUMULATIVE WIND DISTRIBUTION

**Part 1 - Mission Connection**

**1. Product/Service Description:**

The Tropical Cyclone Cumulative Wind Distribution (CWD) graphic is an experimental product issued by the National Hurricane Center (NHC). It summarizes how the size of a storm has changed, and the areas potentially affected by sustained winds of tropical storm force (in orange) and hurricane force (in red) for tropical cyclones in the Atlantic and Eastern Pacific basins. This product is also issued for subtropical storms.

**2. Purpose/Intended Use:**

National Weather Service (NWS) customer feedback indicates a desire for products in a graphical format. Through this experimental time, June 1 - November 30, 2003, the intent is to receive input from various users of the product and whether the information contained is of any benefit or use.

**3. Audience:**

The product is used by the general public, other NWS National Centers and Weather Forecast Offices, other federal, state, and local government agencies; federal, state, and local emergency managers; maritime interests; and the media.

**4. Presentation Format:**

This is a graphical product in Graphics Interchange Format (GIF).

**5. Feedback Method:**

The NWS Customer Survey for Experimental Products/Services (OMB Control Number 0648-0342) should be used. The survey and survey instructions are located at:  
<http://products.weather.gov/Survey.txt>.

The experimental feedback period will run from June 1, 2003 through November 30, 2003.

Technical and policy questions and comments for the CWD may be directed to:

National Weather Service  
Attn: Scott Kiser, W/OS21  
Tropical Cyclone Program Manager  
1325 East-West Highway, Room 13126  
Silver Spring, MD 20910-3285

or e-mail questions and comments to: [Scott.Kiser@noaa.gov](mailto:Scott.Kiser@noaa.gov).

## Part 2 - Technical

1. **Format and Science Basis:**

The CWD is a graphical product produced by hurricane forecasters for each tropical system displaying the distribution over time of the tropical storm and hurricane force winds. Users are reminded the wind radii represent the maximum possible extent of a given wind speed within particular quadrants around the tropical cyclone. As a result, not all locations falling within the orange or red swaths will have experienced sustained tropical storm or hurricane force winds, respectively.

2. **Availability:**

The product is disseminated at 0300, 0900, 1500, and 2100 Coordinated Universal Time (UTC) with valid position times corresponding to the advisory time. Since this product is produced only when there are tropical cyclones, an example is available at [http://www.nhc.noaa.gov/graphics\\_astorm1.shtml](http://www.nhc.noaa.gov/graphics_astorm1.shtml). During times of tropical cyclones, the product is available via the Internet at <http://www.nhc.noaa.gov> under “Active Tropical Systems” link.

3. **Additional Information:** N/A