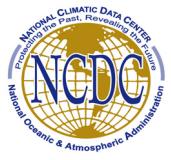




# NOAA's National Climatic Data Center



## News Highlights

Vol. 2, Is. 1      Winter 2006

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##### Subcommittee on Integrated Management of Ocean Resources

##### NOAA's National Climatic Data Center

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*Protecting the Past  
Revealing the Future*

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The National Climatic Data Center's News Highlights is a quarterly publication for NCDC data users. Address comments or article suggestions to:  
[ncdc-outreach@noaa.gov](mailto:ncdc-outreach@noaa.gov)

### The Director's Corner

Greetings to our Data Users:

The NCDC archive of weather and climate data spans several centuries and are gathered from numerous domestic and international agencies and observing systems. This data is vital to research, commerce, public health and law, and must be preserved and accessible for many years. To ensure the data's long-term viability, an increasingly rich body of data about the data – metadata – must be also acquired, maintained, and made accessible. Models and space-based systems play an increasing role in meteorology and climatology, but much of the data is observational, collected at discrete terrestrial observing sites or stations.

The Multi-network Metadata System (MMS, previously known as MI3), is a flexible, extensible system designed to meet the challenge of managing increasingly detailed station metadata from a variety of networks. The system is available to the general public. The home page, <http://mi3.ncdc.noaa.gov>, provides links to the system, information about the system's design and contents, and a variety of monthly reports.

The screenshot shows the MMS homepage with a search bar and navigation links. The main content area features a map of the United States with various station locations marked. A sidebar on the left contains links for Current Events, Data Products, System Access, and Contacts.

Multi-network Metadata System (MMS)

Details for more than 33,000 stations are currently on-line, with integration now being completed for an additional 12,000 international stations. The web-based user interface provides powerful query tools, permitting users to search for stations using name, latitude and longitude, station type, parameters observed, or other identifiers. Users can then inspect a variety of detail for each station of interest, including identity, location, equipment, observing practices, and datasets to which the station contributes. Within the next year detailed data inventories, digital photographs and additional reporting options will be added to the system.

Dr. Thomas R. Karl

### Product News and Updates:

**New LCD Product On-line:** A new quality controlled Local Climatological Data (LCD) product is now available on-line to all users. This product takes advantage of the new Integrated Surface Data Processing System, with extensive automated QC applied to all of the data prior to loading into an Oracle database, from which the LCD is generated. As with the "Unedited" LCD, this product will be updated on a daily basis, so users will have quick access to quality-controlled data on an easy-to-use form. Approximately 2,000 U.S. hourly reporting stations are included in the product. The URL is: <http://cdo.ncdc.noaa.gov/ulcdsw/ULCD?prior=N>.

U.S. Department of Commerce  
National Oceanic and Atmospheric Administration

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA  
May be updated  
HOURLY OBSERVATIONS TABLE  
ASHEVILLE REGIONAL AIRPORT (08812)  
ASHEVILLE, NC  
(03/2006)

Version: 271-B, above selected  
Latitude: 35.69  
Longitude: -82.30  
Data Version: V22

Date	Time	Station Type	Sky Conditions	Humidity (%)	Weather Type	24-hr Avg Temp		Max Temp		Min Temp		Avg Wind Speed		Wind Gust (MPH)		Pressure		Sea Level Pressure		Report Type	Precip Total	
						(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)	(F)	(C)			
01/05/04	11	CLO	100			49	17	39	3.8	39	0.8	89	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	CLO	100			49	17	39	3.8	39	0.8	89	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0258	100			49	17	39	3.8	34	1.1	76	0	0	0	0	0	0	0	B	20.91	AA
01/05/04	11	GT0																				



Integrating federal research on global change and climate change

[Strategic Plan for the U.S. Climate Change Science Program](#)

[Our Changing Planet: The U.S. Climate Change Science Program for Fiscal Year 2006](#)

(posted 10 Nov 2005).

[Privacy Policy](#)

New CCSP "InfoSheets." These brief documents (dated January 2006) are available in both HTML format and as 2-4 page PDF files.

- [CCSP Overview](#)
- [Research Elements Overview](#)
- [Strategic Plan Overview](#)
- [CCSP Budget Overview](#)
- [CCSP Synthesis and Assessment Products](#)
- [Methane as a Greenhouse Gas](#). Also available: [Related Online Resources](#).
- [CCSP Annual Report to Congress: Our Changing Planet](#).

Announcements related to the Intergovernmental Panel on Climate Change (IPCC). Includes:

- [IPCC Working Group I Contribution to the Fourth Assessment Report of the IPCC: Government and Expert Review](#). The second-order draft of *Climate Change 2007: The Physical Science Basis* is available for expert and government review. The draft report is available along with instructions and related materials. **Comments are due 9 May 2006.** See also [Federal Register notice](#) (dtd 7 April 2006). (posted 7 April 2006).

## US Climate Change Science Program

**Marine Data On-line:** Global marine data (ICOADS) are now available through Climate Data On-line (CDO), with several output formats to choose from. Currently, 2005-2006 data are available on-line, and pre-2005 data will be made available over the next year. NCDC will be producing an updated, quality-controlled version of the marine data (Version 2), and the pre-2005 data will be loaded into CDO after Version 2 is produced. These data are available at no charge (on-line) to all users. The URL is:

<http://cdp.ncdc.noaa.gov/CDO/cdomarineselect.cmd>.

**New Normals Product On-line:** The Climatology of the States (CLIM60) is now available on-line: <http://hurricane.ncdc.noaa.gov/cgi-bin/climate normals/climate normals.pl>. Each document consists of a narrative describing the geography and climate of the state. Internet links to various state and station climate summaries and other weather data are also included in the documents. A total of 13 US Climate Normals products are now on-line. Also, all of our on-line normals products are now available at no cost to all customers.

NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)

DOC > NOAA > NESDIS > NCDC

**U.S. Climate Normals**

**Product Selection**

Climate normals products currently available online ([detailed information](#)):

- \* **FREE** [Climates of the States \(CLIM60\)](#)
- \* **FREE** [USCRN Estimated Monthly Normals 1971-2000](#)
- \* **FREE** [Frost/Freeze Data 1971-2000 \(CLIM20-01\)](#)
- \* **FREE** [Monthly Station Climate Summaries \(CLIM20\)](#)
- \* **FREE** [Daily Station Normals 1971-2000 \(CLIM84\)](#)
- \* **FREE** [Monthly Station Normals 1971-2000 \(CLIM81\)](#)
- \* **FREE** [Monthly Precipitation Probabilities 1971-2000 \(CLIM81-01\)](#)
- \* **FREE** [Annual Degree Days to Selected Bases 1971-2000 \(CLIM81-02\)](#)
- \* **FREE** [Monthly Divisional Normals/Standard Deviations 1971-2000 \(CLIM85\)](#)
- \* **FREE** [Snow Normals 1971-2000 \(CLIM20-02\)](#)
- \* **FREE** [Population-Weighted State, Regional, and National Monthly Degree Days \(HCS 5-1;2\)](#)
- \* **FREE** [Area-Weighted State, Regional, and National Temp. and Precip. \(HCS 4-1;2;3\)](#)
- \* **FREE** [Maps of Annual 1961-1990 Normal Temp., Precip. and Degree Days \(CLIM81-03\)](#)

Search Field:

Search NCDC

Climatology of the States (CLIM60)

**CCSP Data On-line:** The Climate Change Science Program (CCSP) dataset is now on-line: <http://www1.ncdc.noaa.gov/pub/data/ccsp/>. It includes monthly global and tropical temperature anomaly time series for the surface. Also depicted are several upper-air layers and pressure levels, from satellite and in situ observations, for the period 1948-2004. The dataset covers a vertical range from the surface to the lower stratosphere. These data sets were prepared for the U.S. Climate Change Science Program's (CCSP) Synthesis and Assessment Report 1.1 entitled, "Temperature Trends in the Lower Atmosphere: Steps for Understanding and Reconciling Differences," and is available at [www.climatescience.gov](http://www.climatescience.gov).

COMMON MARINE FORMAT															
HR/US	LAT	LONG	TYPE/BOARDER	V	SP	ST	MED/INDC	SEA	SHELL	R	S	D	FCB		
11415508 15.70 000.45	15.70	000.45	1500000010	10	90	97	2	0	101.5	24.1	27.0	22.0	27.2	-1.1	000.900
11415509 15.70 000.45	15.70	000.45	1500000010	1	90	97	2	0	101.5	24.0	26.0	21.0	26.1	-1.0	000.900
11415510 23.00 009.10	23.00	009.10	1500000010	14	90	97	2	1	010.0	24.0	26.0	21.0	26.0	-0.9	000.900
11415511 23.00 009.10	23.00	009.10	1500000010	14	90	97	0	010.5	23.5	25.0	20.0	24.5	-0.4	1.4 AAA	
11415512 23.00 009.10	23.00	009.10	1500000010	14	90	97	2	0	101.5	24.2	22.0	20.6	24.6	1.6	000.900
11415513 15.70 000.45	15.70	000.45	1500000010	14	90	97	2	0	101.5	24.2	22.0	20.6	24.6	1.6	000.900
11415514 15.70 000.45	15.70	000.45	1500000010	14	90	97	2	0	101.5	24.2	22.0	20.6	24.6	1.6	000.900
11415515 15.70 000.45	15.70	000.45	1500000010	14	90	97	2	0	101.5	24.2	22.0	20.6	24.6	1.6	000.900
11415516 15.70 000.45	15.70	000.45	1500000010	14	90	97	2	0	101.5	24.2	22.0	20.6	24.6	1.6	000.900
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11415519 04.00 079.10	04.00	079.10	1500000010	8	90	97	13	0	101.2	24.8	24.6	24.1	27.1	-0.3	011.610
11415520 04.00 079.10	04.00	079.10	1500000010	8	90	97	13	0	101.2	24.8	24.6	24.1	27.1	-0.3	011.610
11415521 22.00 060.45	22.00	060.45	1500000012	2	90	98	2	0	101.5	22.4	23.7	16.7	22.7	-0.3	100.805
11415522 22.00 060.45	22.00	060.45	1500000012	2	90	98	2	0	101.5	22.4	23.7	16.7	22.7	1.1	100.805
11415523 21.00 061.10	21.00	061.10	1500000010	5	90	98	2	0	101.0	21.0	15.0	10.9	21.4	-1.4	000.900
11415524 21.00 061.10	21.00	061.10	1500000010	5	90	98	2	0	101.0	21.0	15.0	10.9	21.4	-1.4	000.900
11415525 16.40 077.70	16.40	077.70	1500000010	3	90	97	2	0	101.5	24.7	24.7	24.7	24.7	0.0	000.900
11415526 16.40 077.70	16.40	077.70	1500000010	3	90	97	2	0	101.5	24.7	24.7	24.7	24.7	0.0	000.900
11415527 16.40 077.70	16.40	077.70	1500000010	3	90	97	2	0	101.5	24.7	24.7	24.7	24.7	0.0	000.900
11415528 16.40 077.70	16.40	077.70	1500000010	3	90	97	2	0	101.5	24.7	24.7	24.7	24.7	0.0	000.900
11415529 16.40 077.70	16.40	077.70	1500000010	3	90	97	2	0	101.5	24.7	24.7	24.7	24.7	0.0	000.900
11415530 04.00 090.00	04.00	090.00	1500000010	18	90	98	2	1	010.0	29.2	25.4	24.3	28.1	1.1	012.405
11415531 04.00 090.00	04.00	090.00	1500000010	18	90	98	2	1	010.0	29.2	25.4	24.3	28.1	1.1	012.405
11415532 04.00 090.00	04.00	090.00	1500000010	18	90	98	2	1	010.0	29.2	25.4	24.3	28.1	1.1	012.405
11415533 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415534 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415535 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415536 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415537 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415538 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415539 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415540 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415541 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415542 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
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11415544 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415545 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415546 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415547 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415548 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415549 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415550 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415551 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415552 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415553 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415554 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415555 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415556 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415557 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415558 15.10 115.05	15.10	115.05	1500000010	8	90	97	2	0	101.2	25.8	24.4	23.9	25.9	-0.1	022.334
11415559 15.10 115.05	15.10	115.05	150												

## Winter Olympics Climatology Web

**Page:** NCDC released a new web page with climatological summaries, tables, and graphs, for the Torino, Italy area—site of the Winter Olympics. The page utilizes data summaries from the Climate Data On-line (CDO) system from our Integrated Surface Data (ISD). It also provides links to more detailed data available via CDO, including direct access to the most recent hourly data for both Torino stations. The URL is:

<http://www.ncdc.noaa.gov/oa/climate/research/torino/torino-summary.html>.

The screenshot shows the NOAA Satellite and Information Service (NESDIS) website. At the top right is the National Climatic Data Center logo. The main content area is titled "2006 Winter Olympics--Torino, Italy". To the left of the main content are several navigation links: "Current Events", "NCDC Newsletter", "About NCDC", "In the Spotlight", "What's New", "Data & Products", "Start Here...", "Search by Map", "Data & Products", "Free Data", "Data Access tools", "CD-ROM Products", "Find a Station", "Help/FAQ", "Purchase Most Popular", "Subscriptions", "Order Status", "Online Store", "Climate Info.", "Research", "Monitoring", "Extremes", and "Global Hazards". The main content area features a large image of the Torino skyline at night.

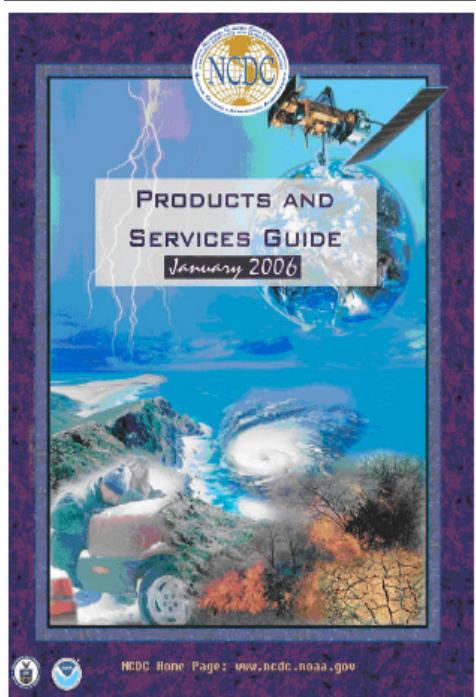
## Winter Olympics Climatology Web Page

**Three Reports/Pubs Updated:** The following reports/publications were updated in time for the 2006 annual American Meteorological Society (AMS) meeting:

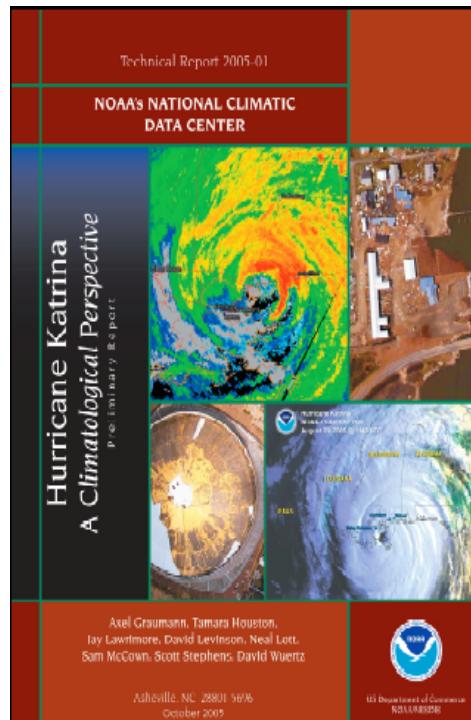
- 1) NCDC Products and Services Guide—revised edition for 2006 (<ftp://ftp.ncdc.noaa.gov/pub/data/inventories/COMPLETE-GUIDE.PDF>);
- 2) Hurricane Katrina Tech Report (<http://www.ncdc.noaa.gov/oa/reports/tech-report-200501z.pdf>); and
- 3) Billion Dollar Weather Disasters Report for 1980-2005 (<http://www.ncdc.noaa.gov/oa/reports/billionz.html>).

Copies (CD-ROM of the Guide and Tech Report, paper copy of Disasters Report) were distributed at the AMS meeting.

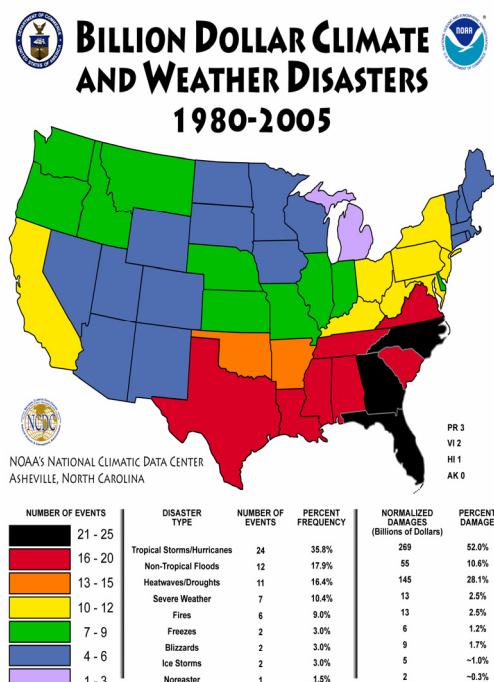
### NCDC Products and Services Guide—revised edition for 2006



### Hurricane Katrina Tech Report



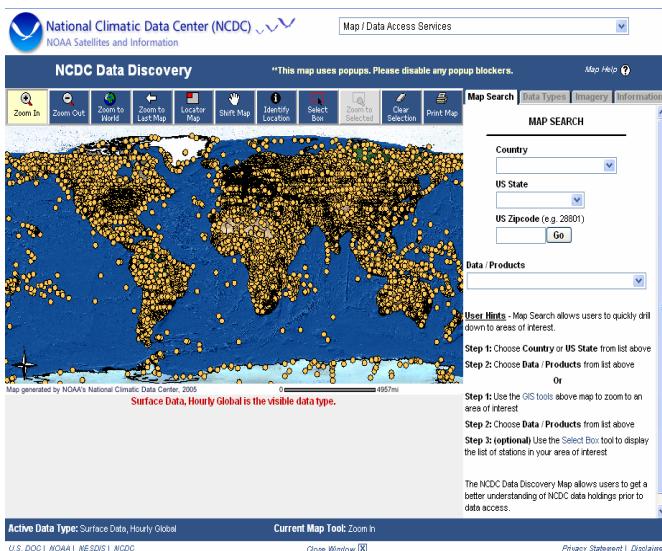
### Billion Dollar Weather Disasters Report for 1980-2005



Please note that the national map color-coded by state reflects a summation of billion dollar events, for each state affected—in, it does not mean that each state shown suffered at least \$1 billion in losses for each event.



**Service Records Retention System (SRRS) Charts and Graphics:** An interface within NOAA Operational Model Archive and Distribution System (NOMADS) for SRRS charts and graphics became operational in November. The interface provides access to hundreds of surface, upper air, and ocean-based analysis and forecast charts from the National Weather Service. It also provides graphical display of the National Digital Forecast Database (NDFD) model output. These data are offered at no charge (on-line) to all users. The URL is: <http://nomads.ncdc.noaa.gov:9091/ncep/NCEP>.



Integrated Surface Data (ISD) in CDO

**Wind Rose Plot and other features added to GIS Interface:** NCDC's GIS interface (see "search by map" on NCDC homepage) now includes two new features:

- 1) Data summary classifications, to plot stations by means and frequency distributions of various parameters, such as temperature, relative humidity, wind speed, etc.; and
- 2) Wind rose graphics showing frequency distributions of wind speed vs. direction by station, on a compass-type grid. The service uses the most recent 10 years of hourly data as input to produce the summary in graphical form.

Both of these capabilities use the Integrated Surface Data (ISD) in Climate Data On-line (CDO) as the "driver." These services are free of charge (on-line) to all users. The URL is: <http://cdo.ncdc.noaa.gov/CDO/cdo>.

## SRRS Analysis and Forecast Charts

### Chart Type Selection

The Service Records Retention System (SRRS) is an archive and access system for selected National Weather Service (NWS) operational products maintained at the National Climatic Data Center.

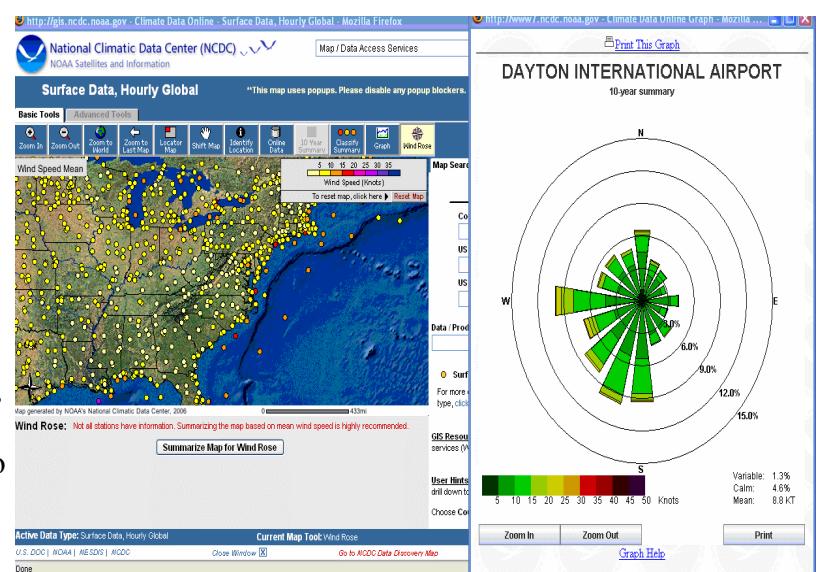
*NOTE: This system provides National Weather Service charts that are archived at the National Climatic Data Center. Additional charts from earlier years are available for [offline ordering](#).*



[Continue](#)

Surface, upper air, and ocean-based analysis and forecast charts from the National Weather Service

**Integrated Surface Data (ISD) in CDO:** The Climate Data On-line system (<http://cdo.ncdc.noaa.gov>) now has the full period of record for ISH/ISD loaded into Oracle and available in our CDO system. The global database includes data for over 20,000 locations historically, is updated daily, and is gradually being expanded by bringing in additional sources of historical data. A few stations have data back into the early 1900s. The ISD data have been on-line via FTP for several years, and the most recent 15 years of data have been on-line in CDO for about a year. This marks a milestone in having the full period of record available in CDO. Due to higher user demand, we are upgrading our database server to better handle the load. Therefore, performance and time required to complete data orders will be gradually improving.



Wind Rose Plot and other Features added to GIS Interface

## **Subcommittee on Integrated Management of Ocean Resources**

The Subcommittee on Integrated Management of Ocean Resources (SIMOR) was formed in March 2005 as part of the ocean governance structure described in the President's Ocean Action Plan ([www.oceans.ceq.gov](http://www.oceans.ceq.gov)). SIMOR focuses on implementing ocean, coastal, and Great Lakes management actions that will benefit from interagency coordination. SIMOR's work is designed to complement the efforts of individual Departments and agencies, as well as other interagency groups.

The SIMOR Work Plan was developed with the active involvement of 19 SIMOR agencies and offices representing all member agencies of the Cabinet-level Committee on Ocean Policy. The Work Plan is organized by four priority areas that describe specific actions to be accomplished within currently available resources:

- Support Regional and Local Collaboration. Identify and promote opportunities for collaboration among Federal, State, Tribal, and local authorities; the private sector; international partners; and other stakeholders.
- Facilitate Use of Ocean Science and Technology in Ocean Resource Management. Work with the Joint Subcommittee on Ocean Science and Technology and others to foster the development and use of management tools, strategies, and information based on the best available science and technology.
- Enhance Ocean, Coastal, and Great Lakes Resource Management to Improve Use and Conservation. Enhance interagency coordination on use and conservation of marine resources, and, with the states, evaluate and recommend ways to improve coastal water quality programs.
- Enhance Ocean Education. Collaborating with the Joint Subcommittee on Ocean Science and Technology, identify opportunities and articulate priorities for enhancing ocean education, outreach, and capacity building.

The SIMOR Work Plan is now available on-line. To view, please visit:

[http://ocean.ceq.gov/about/docs/simor\\_workplan\\_Final.pdf](http://ocean.ceq.gov/about/docs/simor_workplan_Final.pdf)

SIMOR Work Plan Final Document

