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<http://www.ncdc.noaa.gov/oa/ncdc.html>  
 Downloaded Friday, 30-Apr-2004 09:53:44 EDT  
 Last Updated Friday, 05-Mar-2004 11:37:24 EST by [ncdc.webmaster@noaa.gov](mailto:ncdc.webmaster@noaa.gov)  
 Please see the [NCDC Contact Page](#) if you have questions or comments.





**NOAA Satellites and Information**  
 National Environmental Satellite, Data, and Information Service


**National Climatic Data Center**


Keyword(s), City, Station Name

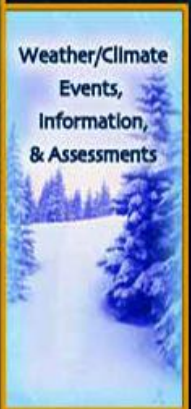
**World's Largest Archive of Climate Data**  
**National Climatic Data Center**  
 Protecting the Past, Revealing the Future



**Satellite**


**Upper Air**


**Marine**


**Land Based**


**Weather/Climate Events, Information, & Assessments**



NCDC: Get/View OnLine Climate Data - Netscape

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http://www.ncdc.noaa.gov/oa/climate/climatedata.html



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NCDC: Get/View OnLine Climate Data

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## Get/View Online Climate Data and Weather Observations (updated 29 Dec 2003)

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- [Upper Air Data](#)
- [Marine Data](#)
- [Paleoclimate data \(World Data Center for Paleoclimatology\)](#)
- [Important Notes](#) (pertaining to the items above)
- [NNDP Climate Data Online](#) (full time series, user-driven data selection)
- [Most Popular Data & Products](#) (popular online & offline products)
- [Find a U.S. Station or Location](#) (numerous search methods)
- [NCDC International Hazard Support Capabilities](#)
- [NCDC Data/Product Selection Matrix](#) (quick view of products)
- [NCDC Digital Datasets](#) (review and links for key datasets)
- [Climatology & Extreme Events](#)
- [Data & Products by Category](#) (such as temperature or agriculture)
- [Utility Software](#) (decompression software, etc)
- [Conversion Charts](#) (units conversions, etc)

Items below marked with  are recent additions,  are the most popular.

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http://www.ncdc.noaa.gov/oa/climate/intl-hazards.html

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http://www.ncdc.noaa.gov/oa/climate/climatedata.html#RAD

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NCDC: Get/View OnLine Climate Data

## Surface Data: Radar

[National and Regional Radar Mosaics](#) 

National and regional radar composites from 1995 to present.


[NEXRAD Level II and III Data](#)

NEXRAD level II and level III data from as early as 1991 to present.










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## Surface Data: Hourly (Temperature, Precipitation, Winds, Pressure, Etc)

**Data Files and Graphics:**

- U.S. Climate Reference Network--[Select by Station](#)   
(2001 - present, all elements \*)

**Data Files and Printable Forms:**

- [Global and U.S.--Select by Station \(Integrated Surface Hourly\)](#)  \$\$\$    
(Period of record now being added to system, over 10,000 stations, after final quality control, all elements \*)
- U.S.--[Select by Station \(Unedited Local Climatological Data\)](#)  \$\$\$   
(1996 - present, over 300 stations, before final quality control, all elements \*)
- U.S.--[Select by Station \(Edited Local Climatological Data\)](#)  \$\$\$   
(1996 - present, over 300 stations, after final quality control, all elements \*)
- U.S.--[Select by Station \(Unedited Surface Weather Obs, 10A/B\)](#)  \$\$\$   
(1996 - present, over 300 stations, before final quality control, all elements \*)

Done

NEXRAD National Mosaic Reflectivity Images - Netscape

File Edit View Go Bookmarks Tools Window Help


http://www4.ncdc.noaa.gov/cgi-win/wwcgl.dll?WWNEXRAD~Images2

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NEXRAD National Mosaic Reflectivity Images

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## NEXRAD National Mosaic Reflectivity Images



**Select Date**

Please Select Day, Month, and Year for the desired image.

1 January 2004

**Currently Available**

1 April 1995 to 18 April 1997, Daily  
19 April 1997 to 5 April 2004, Hourly

**Hurricane Fran, 5 Sept. 1996; click to enlarge**

Images provided by Weather Services International Corp. (WSI) and NASA through the Global Energy and Water Cycle Experiment Continental-Scale International Project (GCIP)

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*This page was dynamically generated 30 Apr 04 at 10:15:04 via  
http://www4.ncdc.noaa.gov/cgi-win/wwcgl.dll?wwNexrad~Images2  
Please see the [NCDC Contact Page](#) if you have questions or comments.*

Done

Selected NEXRAD National Mosaic Reflectivity Image - Netscape

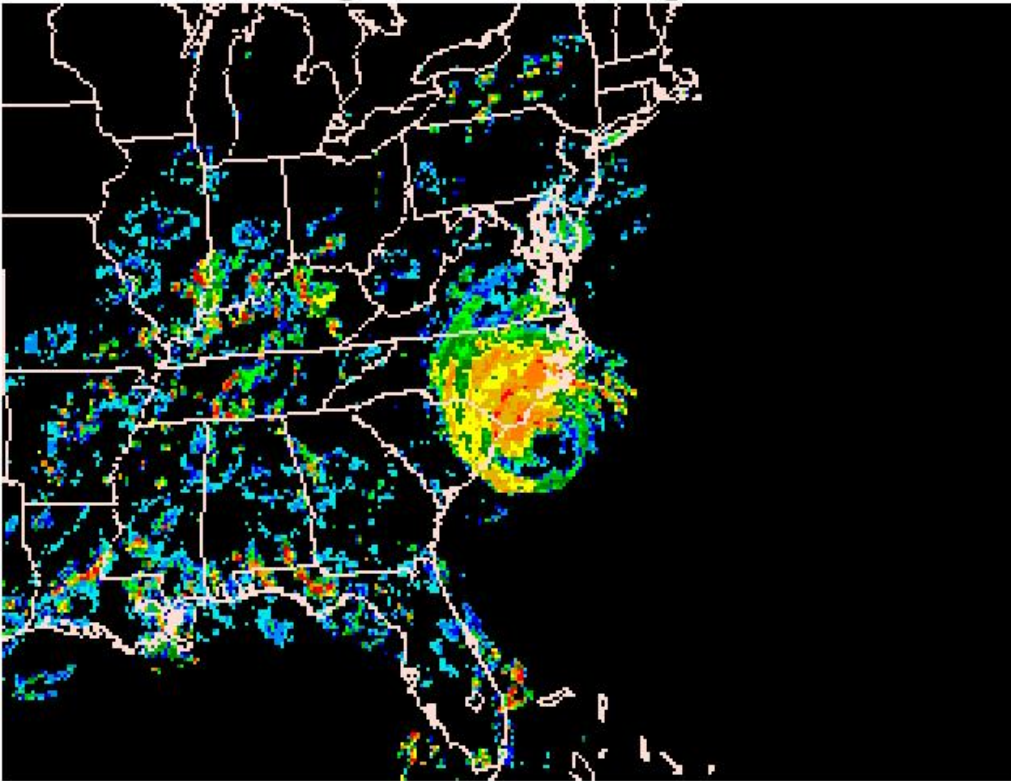
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http://www.ncdc.noaa.gov/cgi-bin/radarzoom.pl

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## Enlargement of 05 Sep 1996



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NCDC: Get/View OnLine Climate Data

## Surface Data: Radar


[National and Regional Radar Mosaics](#)   
National and regional radar composites from 1995 to present.

[NEXRAD Level II and III Data](#)  
NEXRAD level II and level III data from as early as 1991 to present.










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## Surface Data: Hourly (Temperature, Precipitation, Winds, Pressure, Etc)

**Data Files and Graphics:**

- U.S. Climate Reference Network--[Select by Station](#)   
(2001 - present, all elements \*)

**Data Files and Printable Forms:**

- [Global and U.S.--Select by Station \(Integrated Surface Hourly\)](#)  \$\$\$    
(Period of record now being added to system, over 10,000 stations, after final quality control, all elements \*)
- U.S.--[Select by Station \(Unedited Local Climatological Data\)](#)  \$\$\$   
(1996 - present, over 300 stations, before final quality control, all elements \*)
- U.S.--[Select by Station \(Edited Local Climatological Data\)](#)  \$\$\$   
(1996 - present, over 300 stations, after final quality control, all elements \*)
- U.S.--[Select by Station \(Unedited Surface Weather Obs, 10A/B\)](#)  \$\$\$   
(1996 - present, over 300 stations, before final quality control, all elements \*)

Done

HDSS Access System, Dataset Selection - Netscape


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http://has.ncdc.noaa.gov/plclimprod/plsql/HAS.DsSelect

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HDSS Access System, Dataset Selection

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## HDSS Access System

Dataset				
Radar	<b><a href="#">NEXRAD Level II</a></b> <i>06/05/1991 - 04/28/2004</i>	<b><a href="#">NEXRAD Level III</a></b> <i>05/07/1992 - 04/26/2004</i>		
Satellite	<b><a href="#">GOES GVAR Data</a></b> <i>06/04/1996 - 02/28/2003</i>	<b><a href="#">GOES Products</a></b> <i>01/08/1995 - 04/25/2004</i>	<b><a href="#">GOES GVAR Historical</a></b> <i>11/01/1994 - 04/28/2004</i>	
	<b><a href="#">GOES GVAR Tarrad</a></b> <i>01/24/2003 - 04/29/2004</i>	<b><a href="#">ISCCP Products</a></b> <i>12/01/1980 - 04/28/2004</i>	<b><a href="#">POES/DMSP Level 1b</a></b> <i>01/25/1978 - 04/29/2004</i>	
	<b><a href="#">POES/DMSP Products</a></b> <i>03/01/1974 - 04/30/2004</i>	<b><a href="#">TD3675 (SSM/T Sounding Product)</a></b> <i>01/27/1989 - 12/07/1999</i>	<b><a href="#">SeaWIFS Ocean Color</a></b> <i>04/12/1998 - 09/25/2003</i>	
	<b><a href="#">POES Radiation Budget</a></b> <i>06/2003 - 04/2004</i>	<b><a href="#">POES EDR Maps</a></b> <i>08/30/2002 - 04/28/2004</i>	<b><a href="#">GOES SST (3 Hourly)</a></b> <i>12/01/2000 - 04/29/2004</i>	
	<b><a href="#">Coast Watch Regional SST</a></b> <i>12/01/2000 - 04/29/2004</i>	<b><a href="#">GOES SST (Hourly)</a></b> <i>12/01/2000 - 04/29/2004</i>	<b><a href="#">GOES Hourly Matchup</a></b> <i>12/01/2000 - 04/29/2004</i>	
	<b><a href="#">ASOS 1-Minute (Page 1)</a></b> <i>06/1998 - 03/2004</i>			<b><a href="#">ASOS 1-Minute (Page 2)</a></b> <i>06/1998 - 03/2004</i>
	<b><a href="#">ASOS 5-Minute</a></b> <i>07/1996 - 03/2004</i>			

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HDSS Access System, Station Selection - Netscape



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http://has.ncdc.noaa.gov/plclimprod/plsql/HAS.FileAppRouter

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 **HDSS Access System** 

**NEXRAD Level II**

**Station(s):**

- CWKR (08/14/2003 - 04/28/2004)
- KABQ (10/16/2003 - 10/23/2003)
- KABR (06/16/1995 - 04/28/2004)
- KABX (05/18/1995 - 04/28/2004)
- KAKQ (07/13/1995 - 04/28/2004)
- KAMA (03/17/1994 - 04/28/2004)
- KAMX (09/27/1993 - 04/28/2004)
- KAPX (06/28/1996 - 04/28/2004)
- KAPX (07/08/1996 - 04/28/2004)
- KATX (04/26/1995 - 04/28/2004)

**Start Date: (YYYY/MM/DD)**  
1991 / 01 / 01  
- To -  
**End Date: (YYYY/MM/DD)**  
2004 / 01 / 01

**Output:** FTP

**Priority:** Normal

**Email Address:** \_\_\_\_\_

**HAS Production Version 7.41**

*This page was dynamically generated on 30 Apr 2004 @ 10:04:20 Eastern Time by  
http://has.ncdc.noaa.gov/plclimprod/plsql/HAS.StationYearSelect*

Done



The screenshot shows a Netscape browser window with the title "NCDC: Ordering NCDC Data & Products - Netscape". The address bar contains the URL "http://www.ncdc.noaa.gov/oa/about/ncdcordering.html#RADAR". The page content includes a section header "Radar Data & Products" and two sub-sections: "Level II" and "Level III".

**Radar Data & Products**

You may read the [Radar Product Price Sheet](#) for further information on radar products and pricing information. Please call NCDC at **(828) 271-4800** for questions concerning radar orders.

**Level II**

Level II data, output from the ORDA's signal processor, include base reflectivity, base velocity, and spectrum width. Data are collected and recorded in units of files which typically contain five, six, or ten minutes of base data depending on the volume coverage pattern. A data file consists of a 24 byte volume scan header record followed by numerous 2432 byte base data and message records. Data are provided to NCDC by electronic transmission. NCDC's processing system performs a UNIX compress on each file and combines 8-hour groups of files into one tar file (three tar files per day). These data are available free of charge from NCDC via electronic data transfer using our "HAS" system.

**Level III**

Level III data products are received at the NCDC from 120 National Weather Service (NWS) radar sites. These data can be obtained either as color hard copies of archived radar products, or by electronic transfer of binary product files (each file contains all products for one day in tar format), or on CDROM (same file format as electronic transfer). NCDC does not provide level III software to display or manipulate binary product files. For additional information please contact NCDC customer service personnel at (828) 271-4800.



NCDC Satellite Resources - Netscape

File Edit View Go Bookmarks Tools Window Help

http://www.ncdc.noaa.gov/oa/satellite/satelliteresources.html

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## Satellite Resources



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*http://www.ncdc.noaa.gov/oa/satellite/satelliteresources.html*  
*Last updated 25 Sep 97 by [ncdc.webmaster@noaa.gov](mailto:ncdc.webmaster@noaa.gov)*  
*Please see the [NCDC Contact Page](#) if you have questions or comments.*

http://www.ncdc.noaa.gov/oa/ncdc.html

NCDC: Get/View Online Satellite Data - Netscape

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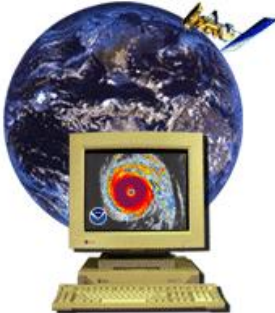
http://www.ncdc.noaa.gov/oa/satellite/satellitedata.html

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## Get/View Online Satellite Data



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- [Images/Movies of Hurricanes and Special Events](#)
- [SSM/I Global Gridded Files from FTP server](#)
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- [Satellite's Eye Art Galleries \(discussions and images\)](#)

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*http://www.ncdc.noaa.gov/oa/satellite/satellitedata.html*  
*Last updated 01 April 2004 by [ncdc.webmaster@noaa.gov](mailto:ncdc.webmaster@noaa.gov)*  
*Please see the [NCDC Contact Page](#) if you have questions or comments.*

Done

NCDC: Historical GOES Browser, Satellite Images - Netscape

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http://cdo.ncdc.noaa.gov/GOESBrowser/goesbrowser

Home Bookmarks

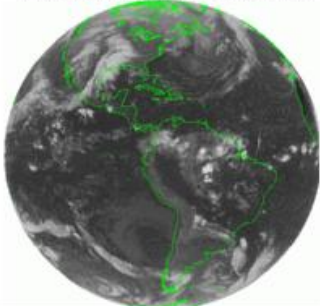
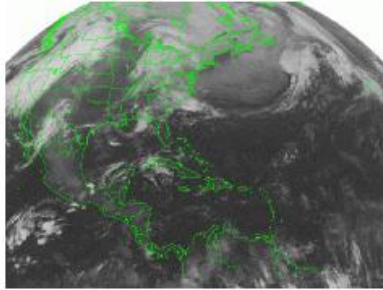
NCDC: Historical GOES Browser, Satellite I...

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## NCDC Historical GOES Browse Server

GOES Browse Categories

<p><b>Full Earth</b> July 1, 1992 to Dec 14, 1996</p> 	<p><b>Northern Hemisphere</b> Dec 14, 1996 to Present</p> 
---	---

Select a date from the pop-up list below and click "submit" to continue.

Sep 05 1996 Submit

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Welcome

Taskbar: [Icons for Netscape, Mail, etc.]

NDC: Historical GOES Browser Main Page - Netscape

File Edit View Go Bookmarks Tools Window Help

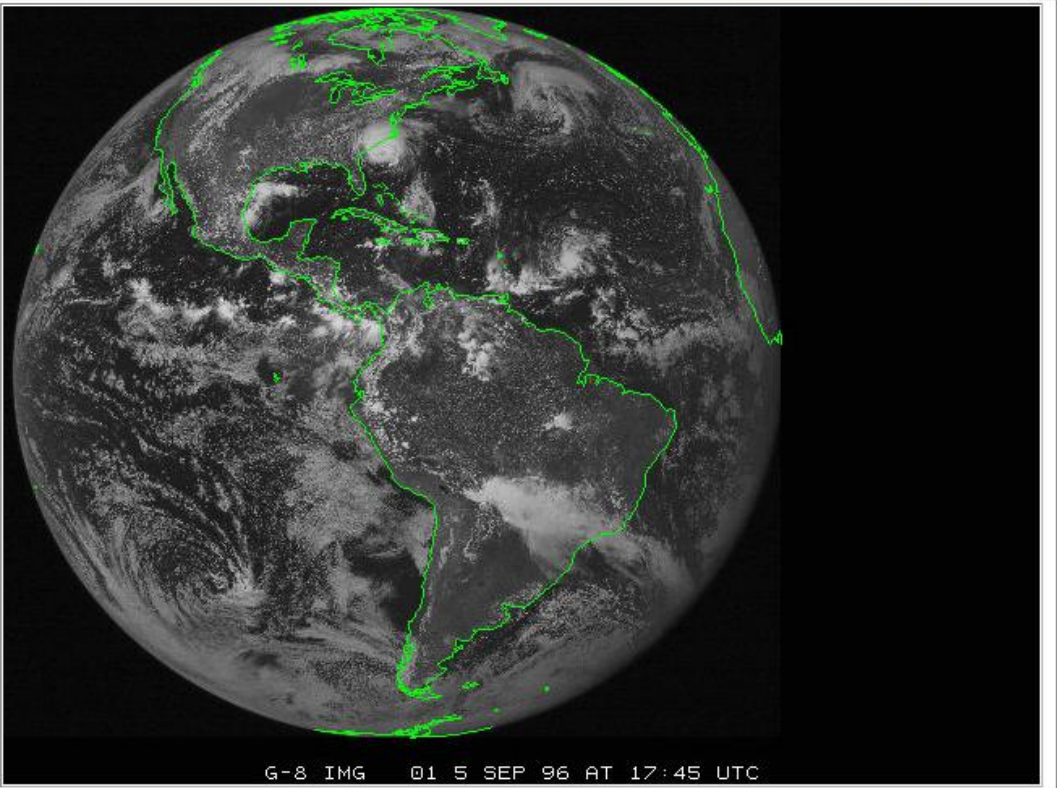
http://cdo.ncdc.noaa.gov/GOESBrowser/goesbrowser

Home Bookmarks

NDC: Historical GOES Browser Main Page

**GOES-8 - Visible - 05 Sep 1996 - 18 UTC - http://cdo.ncdc.noaa.gov/GOESBrowser**

Previous Image Return to Main Screen Next Image JAVA Animation



G-8 IMG 01 5 SEP 96 AT 17:45 UTC

Done

NCDC: Get/View Online Satellite Data - Netscape

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http://www.ncdc.noaa.gov/oa/satellite/satellitedata.html

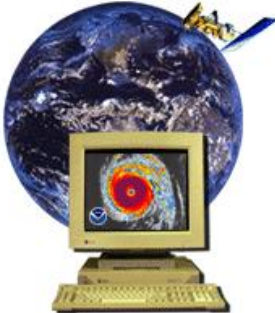
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*http://www.ncdc.noaa.gov/oa/satellite/satellitedata.html*  
*Last updated 01 April 2004 by [ncdc.webmaster@noaa.gov](mailto:ncdc.webmaster@noaa.gov)*  
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http://www5.ncdc.noaa.gov/cgi-bin/hsei/hsei.pl?directive=welcome

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## Historical Significant Events Imagery HSEI

**Welcome**

Welcome to the [National Climatic Data Center's \(NCDC\) Historical Significant Events Imagery database \(HSEI\)](#)! In here you will find hundreds of selected satellite images capturing some of the more important weather and environmental events over the last 30 years.

**To get started, click on the [What's New](#), [Quick Search](#) or [Most Popular](#) buttons at the left.** From [Quick Search](#), you can search for images of a specific type of event for the date range you desire. You will then see a list of resulting images, from which you can view/download the image files to your computer for free, or you can order hardcopy matte or glossy finish prints.

**Hurricane Florence colorized infrared 9/10/88 (1988)**

Feel free to contact the Satellite Services Group for any special imaging requirements at [ncdc.satorder@noaa.gov](mailto:ncdc.satorder@noaa.gov). Permission is granted to use, duplicate, modify, and redistribute any of our images. Please give credit to NOAA / National Climatic Data Center.

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NCDC: HSEI - - Netscape

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## Historical Significant Events Imagery

**HSEI**

---

HSEI Image Database - Quick Search

**Make your selections below and then click 'Submit Search' to continue**

**Type of Event:**

- All Events
- Dust Storms
- Extratropical Low Pressure Systems
- Fires / Smoke
- Floods
- Fronts
- Hurricanes, Typhoons & Other Tropical Systems**
- Ice
- Land Mass
- Ocean / Sea Surface Temperatures
- Oil Spills
- Severe Weather (Thunderstorms, Tornadoes etc.)
- Snow Cover
- Unique (Fog, Eclipses etc)
- Volcanoes

**Start Year:** 1960

**- To -**

**End Year:** 2004

**Keyword Search (optional):**

(eg. Andrew, Perfect Storm, etc)

NCDC: HSEI - - Netscape

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http://www5.ncdc.noaa.gov/cgi-bin/hsei/hsei.pl

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## Historical Significant Events Imagery

**HSEI**

**Quick Search - Results**   \* -Most Popular **H** -High Resolution **D** -Image Details **P** -Poster **S** -Order

*654 items found for Hurricanes, Typhoons & Other Tropical Systems, 1960 to 2004.*

Date	Description		
03/26/04	* <a href="#">Animated GIF of rare South Atlantic hurricane near Brazil - GOES-12 visible - Mar 26</a>		<b>D</b>
03/26/04	* <a href="#">Animated GIF of rare South Atlantic hurricane making landfall on southern Brazilian coastline (1.5mb) - Mar 26-28</a>		<b>D</b>
12/09/03	<a href="#">Tropical Storm Peter - GOES-12 - visible - Dec 9</a>	<b>D</b>	<b>S</b>
12/09/03	<a href="#">Tropical Storm Peter - GOES-12 colorized IR - Dec 9</a>	<b>D</b>	<b>S</b>
12/06/03	<a href="#">Tropical Storm Odette - GOES-12- visible - Dec 6</a>	<b>D</b>	<b>S</b>
12/06/03	<a href="#">Tropical Storm Odette - GOES-12 colorized IR - Dec 6</a>	<b>D</b>	<b>S</b>
10/04/03	<a href="#">Tropical Storm Larry in southern Gulf of Mexico - GOES visible - Oct 4</a>	<b>D</b>	<b>S</b>
09/29/03	<a href="#">Hurricane Juan making landfall on Nova Scotia - GOES-12 - Sep 29</a>	<b>D</b>	<b>S</b>
09/28/03	<a href="#">Hurricane Juan hours away from landfall on Nova Scotia - colorized image - Sep 28</a>	<b>D</b>	<b>S</b>
09/27/03	<a href="#">Hurricane Juan at peak strength - GOES-12 colorized visible - Sep 27</a>	<b>D</b>	<b>S</b>
09/22/03	<a href="#">Hurricane Marty over southern Baja California - GOES-10 colorized ir - Sep 22</a>	<b>D</b>	<b>S</b>
09/18/03	* <a href="#">Hurricane Isabel on the NC Outer Banks - GOES 12 colorized ir close-up - Sep 18</a>	<b>D</b>	<b>S</b>
09/18/03	* <a href="#">Hurricane Isabel on the NC Outer Banks - GOES-12 visible close-up - Sep 18</a>	<b>D</b>	<b>S</b>
09/18/03	<a href="#">Hurricane Isabel on the NC Outer Banks - GOES-12 colorized ir broadview - Sep 18</a>	<b>D</b>	<b>S</b>
09/18/03	<a href="#">Hurricane Isabel on the NC Outer Banks - GOES-12 visible broadview - Sep 18</a>	<b>D</b>	<b>S</b>
09/18/03	* <b>H P</b> <a href="#">Hurricane Isabel close to landfall at NC Outer Banks - NOAA-17 false color image - Sep 18</a>	<b>D</b>	<b>S</b>
09/18/03	<a href="#">Animated GIF showing Isabel making landfall on NC Outer Banks (~2.8Mb) - Sep 18</a>		<b>D</b>
09/18/03	<a href="#">Same animation as above but smaller size for faster download (&lt; 1 Mb) - Sep 18</a>		<b>D</b>
09/16/03	<a href="#">Isabel as a cat 2 hurricane northeast of the Bahamas - GOES-12 colorized IR - Sep 16</a>	<b>D</b>	<b>S</b>
09/16/03	<a href="#">Isabel as a cat 2 hurricane northeast of the Bahamas - GOES-12 visible - Sep 16</a>	<b>D</b>	<b>S</b>
09/16/03	<a href="#">Hurricane Isabel - about 48 hours from landfall - NOAA-17 color image - Sep 16</a>	<b>D</b>	<b>S</b>
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