

HOWTO GET NEXRAD DATA FROM THE NCDC

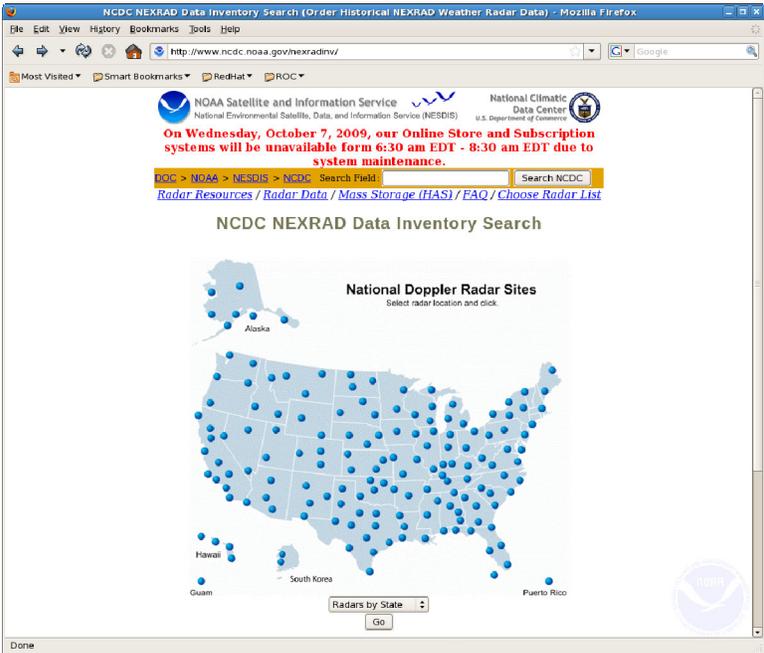
0.0 PREREQUISITES..... 1
 1.0 REQUESTING DATA FROM THE NCDC 1
 2.0 DOWNLOADING DATA FROM THE NCDC..... 3

0.0 PREREQUISITES

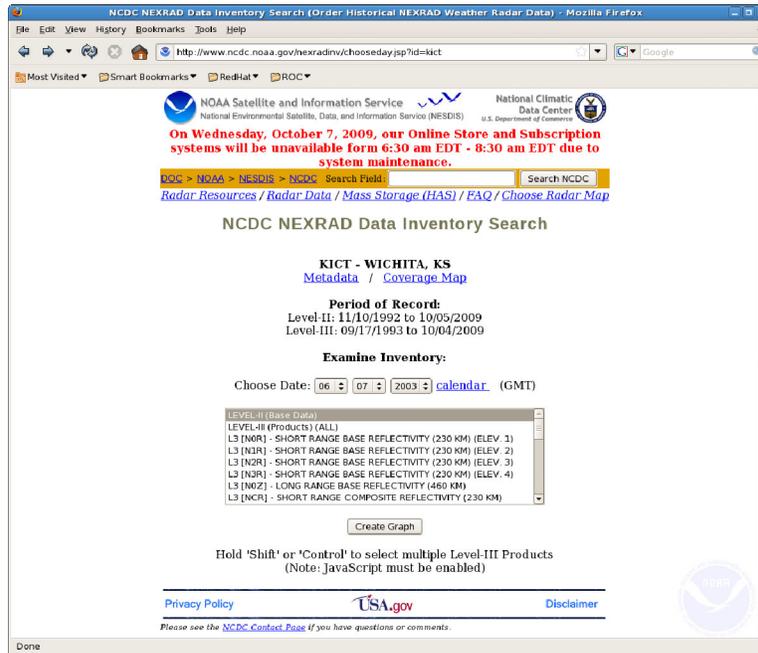
0.1 None.

1.0 REQUESTING DATA FROM THE NCDC

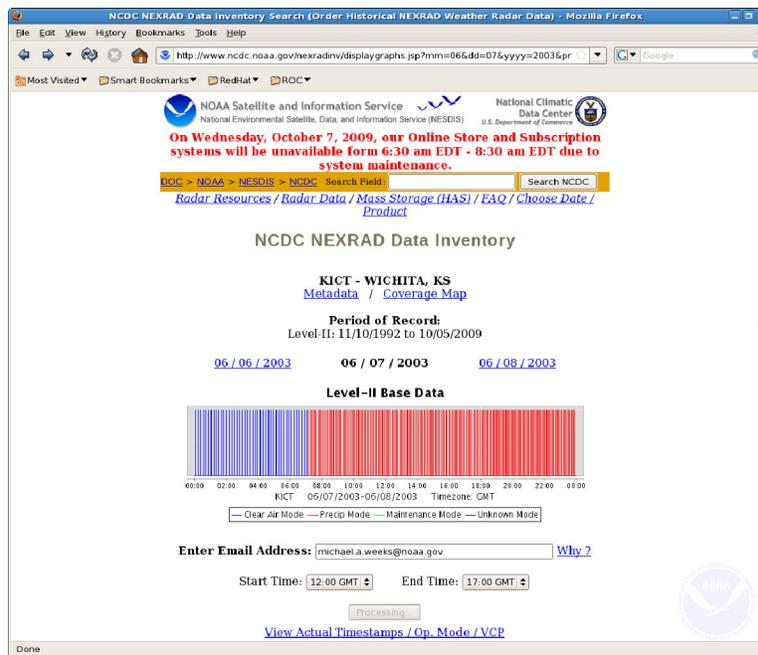
1.1 Visit the NCDC’s NEXRAD Data Inventory web page (<http://www.NCDC.noaa.gov/nexradinv/>) and select a radar by clicking on the blue button representing that site.



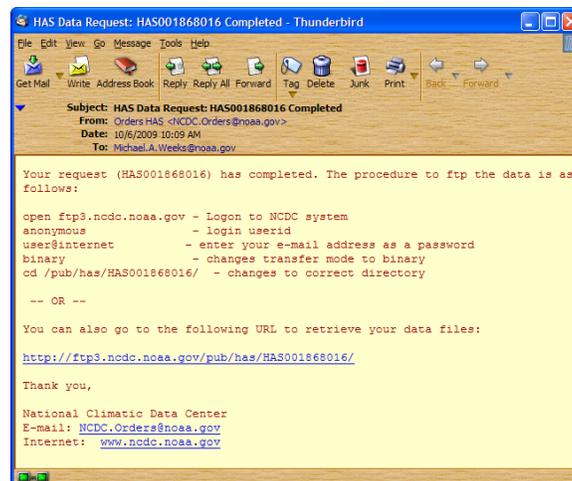
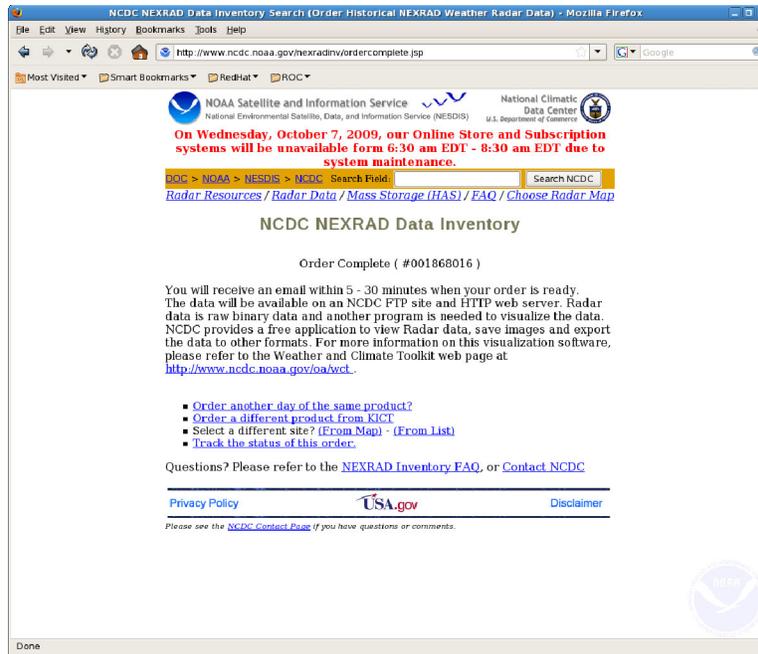
- 1.2 Choose a **Date** and **LEVEL II (Base Data)** (or other data type you want) and press the **“Create Graph”** button.



- 1.3 Enter your **Email Address** and select **Start Time** and **End Time** for the range of data you wish to view.



- 1.4 The NCDC server will collect the data you requested and send you an email when it is ready to be downloaded.



2.0 DOWNLOADING DATA FROM THE NCDC

- 1.1 Log in to one of the numbered orpg accounts on the Linux PC and make sure you are in the \$HOME directory.

```
lnxeng1 ~orpg2:/export/home/orpg2/data> cd $HOME [ENTER]
```

- 1.2 Create a directory to store your data.

```
lnxeng1 ~orpg2:/export/home/orpg2> mkdir level2 [ENTER]
lnxeng1 ~orpg2:/export/home/orpg2>
```

1.3 Start the ftp program and open a connection to the NCDC address provided in their email.

```
lnxeng1 ~orpg2:/export/home/orpg2> ftp [ENTER]
ftp> open ftp3.ncdc.noaa.gov [ENTER]
Connected to ftp3.ncdc.noaa.gov (205.167.25.146).
220 ProFTPD 1.3.1 Server (ProFTPD Default Installation) [205.167.25.146]
Name (ftp3.ncdc.noaa.gov:mweeks): anonymous [ENTER]
331 Anonymous login ok, send your complete email address as your password
Password: michael.a.weeks@noaa.gov [ENTER]
230 Anonymous access granted, restrictions apply
Remote system type is UNIX.
Using binary mode to transfer files.
```

1.4 Change to the directory specified in the email from NCDC.

```
ftp> cd /pub/has/HAS001868016 [ENTER]
250 CWD command successful
```

1.5 Set the ftp environment variables to copy multiple binary files without being prompted for a “y” after each file.

```
ftp> binary [ENTER]
200 Type set to I
ftp> prompt [ENTER]
Interactive mode off.
```

1.6 Make your data directory the default location for downloaded files.

```
ftp> lcd /export/home/orpg2/level2 [ENTER]
Local directory now /export/home/orpg2/level2
```

1.7 Transfer all the data files.

```
ftp> mget * [ENTER]
local: KICT20030607_120321.Z remote: KICT20030607_120321.Z
227 Entering Passive Mode (205,167,25,146,251,175).
150 Opening BINARY mode data connection for KICT20030607_120321.Z (839101 bytes)
226 Transfer complete
839101 bytes received in 1.9 secs (4.3e+02 Kbytes/sec)
local: KICT20030607_120908.Z remote: KICT20030607_120908.Z
227 Entering Passive Mode (205,167,25,146,235,197).
150 Opening BINARY mode data connection for KICT20030607_120908.Z (833405 bytes)
226 Transfer complete
833405 bytes received in 1.56 secs (5.2e+02 Kbytes/sec)
local: KICT20030607_121456.Z remote: KICT20030607_121456.Z
227 Entering Passive Mode (205,167,25,146,240,28).
150 Opening BINARY mode data connection for KICT20030607_121456.Z (832589 bytes)
226 Transfer complete
832589 bytes received in 1.93 secs (4.2e+02 Kbytes/sec)
local: KICT20030607_122043.Z remote: KICT20030607_122043.Z
227 Entering Passive Mode (205,167,25,146,246,43).
150 Opening BINARY mode data connection for KICT20030607_122043.Z (839156 bytes)
226 Transfer complete
839156 bytes received in 2.29 secs (3.6e+02 Kbytes/sec)
:
:
:
:
:
local: KICT20030607_165347.Z remote: KICT20030607_165347.Z
```

```
227 Entering Passive Mode (205,167,25,146,249,147).
150 Opening BINARY mode data connection for KICT20030607_165347.Z (810087 bytes)
226 Transfer complete
810087 bytes received in 1.6 secs (4.9e+02 Kbytes/sec)
local: KICT20030607_165935.Z remote: KICT20030607_165935.Z
227 Entering Passive Mode (205,167,25,146,239,248).
150 Opening BINARY mode data connection for KICT20030607_165935.Z (800765 bytes)
226 Transfer complete
800765 bytes received in 2.25 secs (3.5e+02 Kbytes/sec)
```

1.8 Log out of the NCDC ftp server.

```
ftp> bye [ENTER]
221 Goodbye.
lnxeng1 ~orpg2:/export/home/orpg2>
```