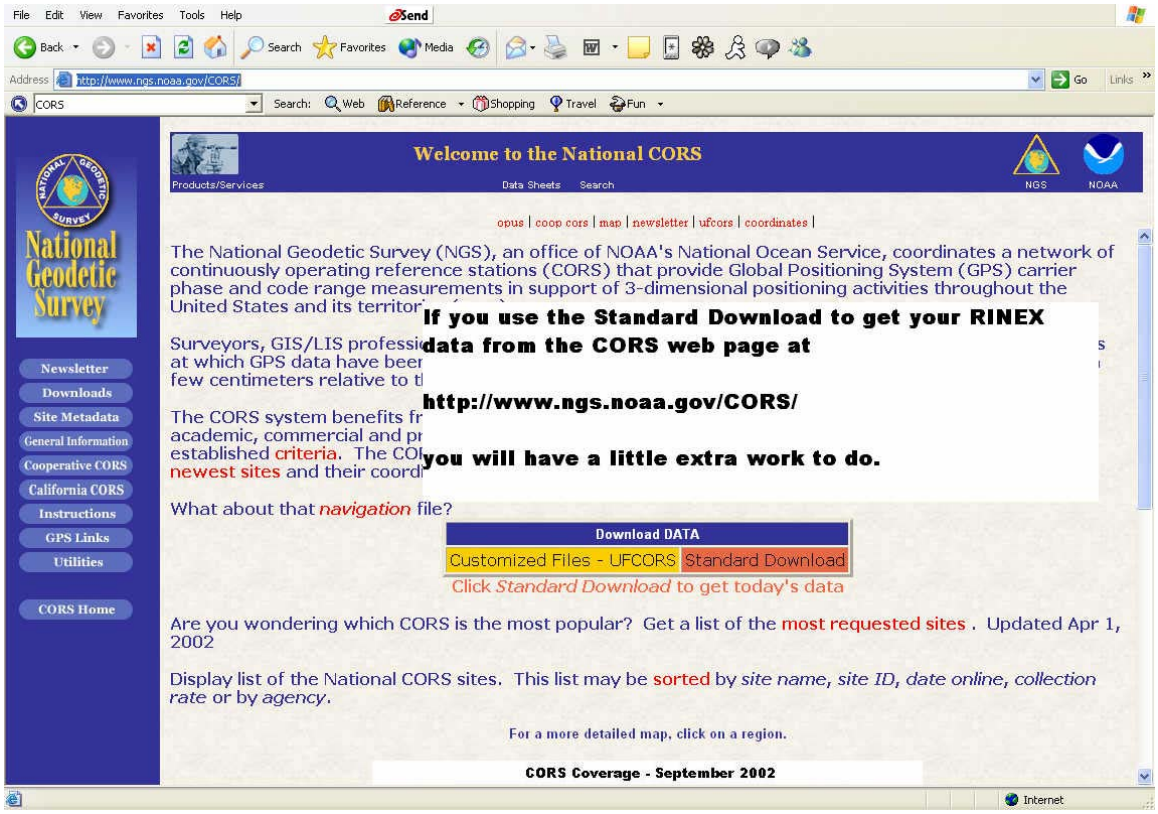
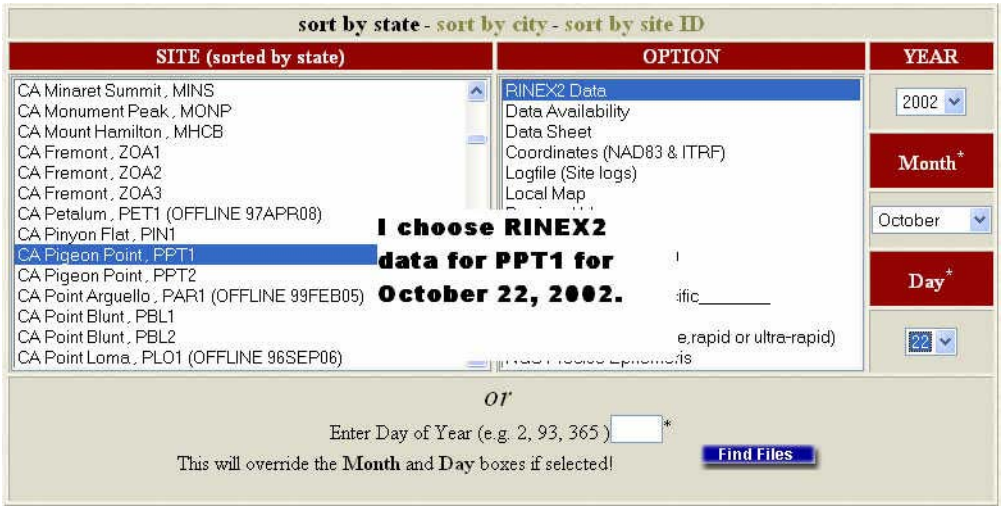
Working with the RINEX broadcast orbits file

Or

What do I do with this bird file?!?!?!



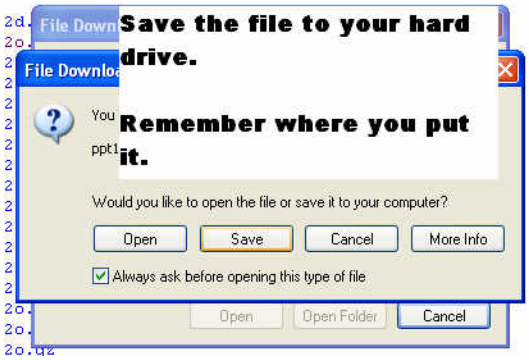


FTP directory /cors/rinex/2002/295/ppt1/ at www.ngs.noaa.gov

Up to higher level directory

```
10/23/2002 04:40AM       Directory .
10/26/2002 10:02AM       Directory ..
10/23/2002 04:40AM         404,634 ppt12950.02d.Z
10/23/2002 04:40AM         871,666 ppt12950.02o.gz
10/22/2002 01:15AM          38,866 ppt1295a.02o.gz
10/22/2002 02:15AM          30,222 ppt1295b.02o.gz
10/22/2002 03:15AM          36,845 ppt1295c.02o.gz
10/22/2002 04:15AM          30,895 ppt1295d.02o.gz
10/22/2002 05:15AM          26,523 ppt1295e.02o.gz
10/22/2002 06:15AM          40,270 ppt1295f.02o.gz
10/22/2002 07:15AM          39,465 ppt1295g.02o.gz
10/22/2002 08:15AM          36,844 ppt1295h.02o.gz
10/22/2002 09:15AM          53,410 ppt1295i.02o.gz
10/22/2002 10:15AM          51,082 ppt1295j.02o.gz
10/22/2002 11:15AM          40,535 ppt1295k.02o.gz
10/2                                51.02o.gz
10/2                                5m.02o.gz
10/2                                5n.02o.gz
10/2                                5o.02o.gz
10/2                                5p.02o.gz
10/2                                5q.02o.gz
10/2                                5r.02o.gz
10/22/2002 07:15PM          35,329 ppt1295s.02o.gz
10/22/2002 08:15PM          48,064 ppt1295t.02o.gz
10/22/2002 09:15PM          49,242 ppt1295u.02o.gz
10/22/2002 10:15PM          34,275 ppt1295v.02o.gz
10/22/2002 11:15PM          46,946 ppt1295w.02o.gz
10/23/2002 12:15AM          42,860 ppt1295x.02o.gz
```

Choose which o file(s) you want to download.



Save the file to your hard drive.

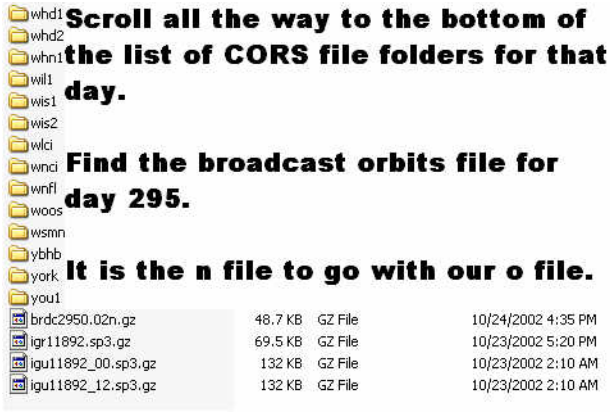
Remember where you put it.

FTP directory /cors/rinex/2002/295/ppt1/ at www.ngs.noaa.gov

Up to higher level directory

After you have downloaded the o file(s) you want it is time to click on

Up to higher level directory



Scroll all the way to the bottom of the list of CORS file folders for that day.

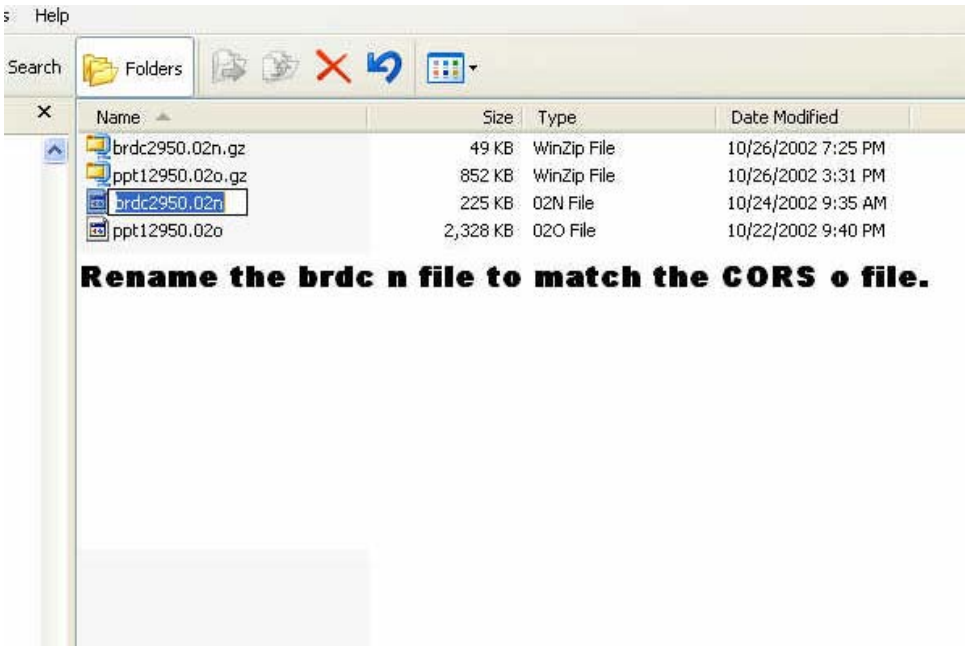
Find the broadcast orbits file for day 295.

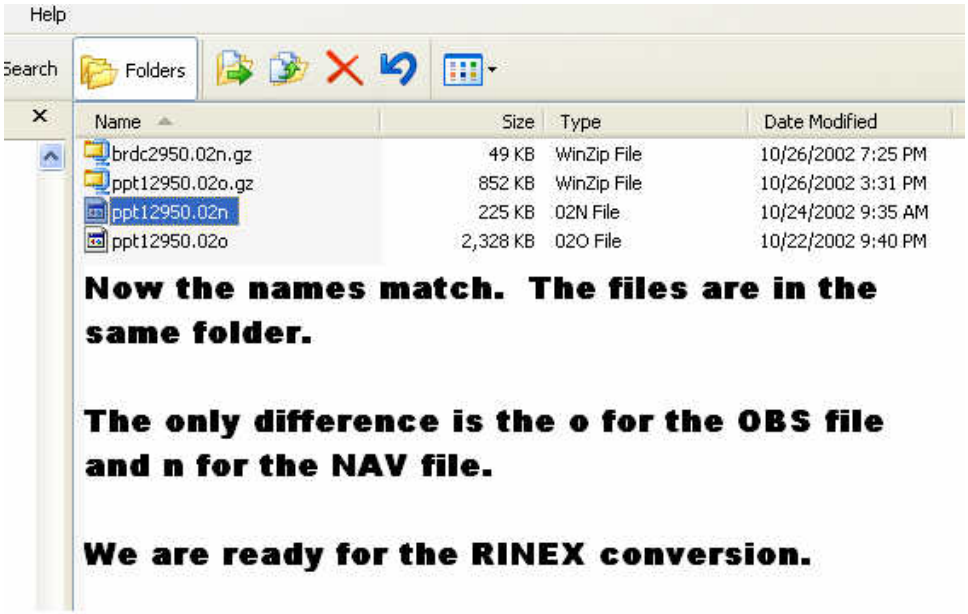
It is the n file to go with our o file.

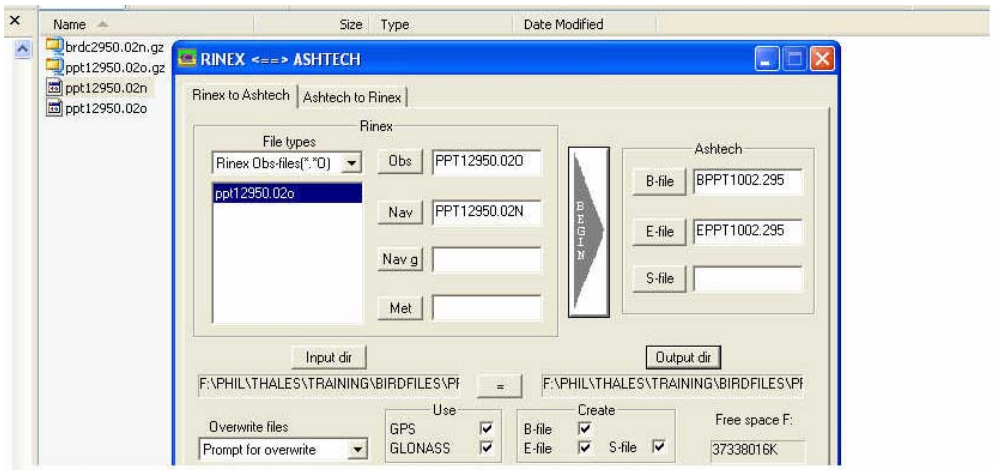
Save the brdc file to the same folder where you saved the o file.

Extract the files from those gz archives.

I use WinZip for the job.


Help
Search
Folders
Name
Size
Type
Date Modified
brdc2950.02n.gz 49 KB WinZip File 10/26/2002 7:25 PM
ppt12950.02o.gz 852 KB WinZip File 10/26/2002 3:31 PM
brdc2950.02n 225 KB 02N File 10/24/2002 9:35 AM
ppt12950.02o 2,328 KB 02O File 10/22/2002 9:40 PM
Rename the brdc n file to match the CORS o file.

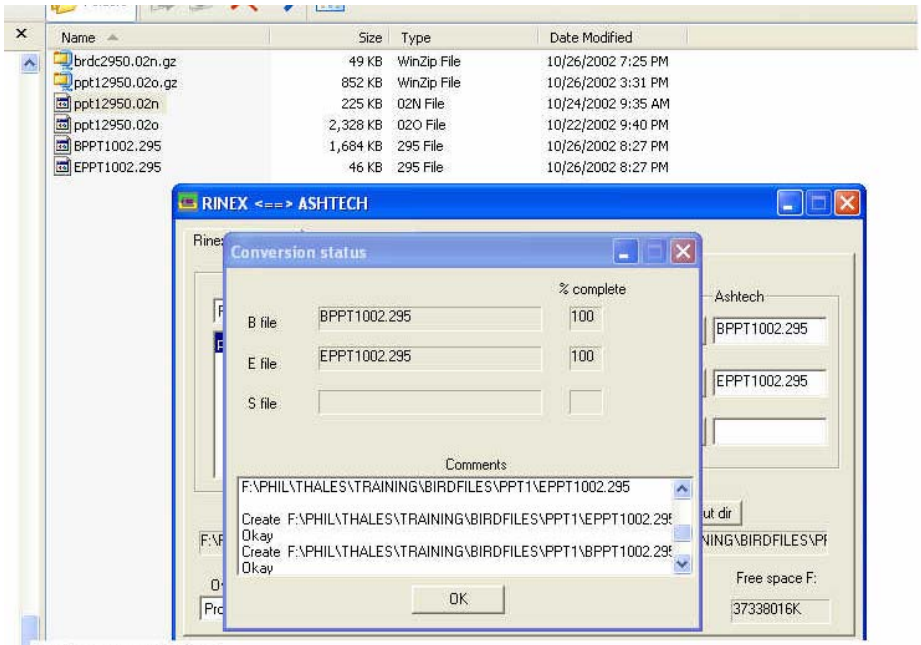

Help
Search
Folders
Name
Size
Type
Date Modified
brdc2950.02n.gz 49 KB WinZip File 10/26/2002 7:25 PM
ppt12950.02o.gz 852 KB WinZip File 10/26/2002 3:31 PM
ppt12950.02n 225 KB 02N File 10/24/2002 9:35 AM
ppt12950.02o 2,328 KB 02O File 10/22/2002 9:40 PM
Now the names match. The files are in the same folder.
The only difference is the o for the OBS file and n for the NAV file.
We are ready for the RINEX conversion.



Input and Output directories are set like I want them.

I can see that the RINEX o file will become the Ashtech B file. The RINEX n file becomes the Ashtech E file.

I just have to click on the big BEGIN button to make it go.



Job complete!

The Ashtech B and E files for PPT1 are in the folder where I put them.