

Making data CDs on the nmr1 offline workstation

1. Copy data directory (even the .fid entries are directories) to **/data1/temp** on nmr1.

2. This can be done using the remote mounting utility once in the directory **/data1/temp**, for example with the commands

cp -r /net/instrumentname/directorytree/directory .

(note the period is necessary at the end of the last command!)

3. Make file image in **/data1/temp** with **mkisofs** utility, for example

mkisofs -l -r -o outputname.iso directorytobeimaged

4. When the image has been made, press the open button on the Plextor CD writer on the top of the computer to open the CD drawer.

5. Insert a writeable CD and close the drawer.

Caution: Do not write data on a disk with some data on it already! If there is data on the disk, a file manager window will appear on the monitor after inserting the disk.

6. To start the CD writing process, type

cdrw -i outputname.iso

in the directory **/data1/temp**

8. At the completion of the CD writing process, the door should open by itself.

9. Remove disk, and push the door to close it.

10. Delete directory and .iso file from **/data1/temp**

NOTE: Do not try to do other things on the workstation while writing the CD, allow it to finish writing. Also, long filenames may get truncated when making the image file. To avoid this problem, make a tar file of the data first.

11. To check the disk, insert it in the CD reader built into the workstation.

Once it is ready, a file manager window will appear on the monitor. To eject a CD, click on “eject” from the File pull-down menu of the File Manager window.

Excellent source of information on handling and archiving data on CDs:

<http://www.itl.nist.gov/div895/carefordisc/CDandDVDCareandHandlingGuide.pdf>