Backup and Restoring the TCS

A backup CD with restoration instructions for PYXIS and ANTLIA is available in Michel's office. Follow these instructions, which are identical to the ones described here.

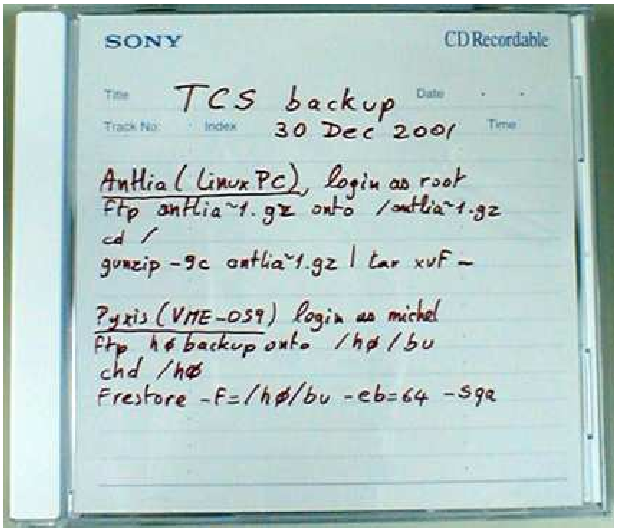

Figure 1: A system backup of ANTLIA and PYXIS is available in Michel's office. It also contains restoration instructions.

Backup of the TCS on PYXIS

The whole backup will take a bit more than one hour. The complete backup is a file called **h0backup** in **/h0/sys/backup** on PYXIS. This file should be transferred to another computer via FTP (binary transfer mode) and burnt on a CD. Normally, Michel restores the backup on FORNAX, too. This keeps the both system synchronised.

- Login to PYXIS as **michel** with password **haaa**.
- Type `reset`
- Wait 1 minute.
- Log in again as **michel**.
- Type `chd /h0`
- Type `del /h0/sys/backup/h0backup`
- Type `fsave -f=/h0/sys/backup/h0backup -m=/h0/sys/backup/dates -l=0`

Restoration of the TCS to Disk (PYXIS)

The backup file **h0backup** on the backup CD must be transferred to PYXIS (or FORNAX) into the **/h0** directory first. Use a binary FTP connection from any computer for this. The restoration may take up to two hours.

- Login to PYXIS as **michel** with password **haaa**.
- Type `reset`
- Wait 1 minute.
- Log in again as **michel**.
- Type `copy /h0/h0backup /h0/bu -r`
- Type `chd /h0`
- Type `frestore -f=/h0/bu -eb=64 -sqa`

Restoration After Hard-disk Failure (PYXIS)

The restoration is not dependent on an operational hard-disk. A minimal operating system resides on EPROM and allows FTP and TELNET services. If the hard-disk dies, replace it with a new disk and format it before the restoration.

CAUTION! USE THE FOLLOWING WITH GREAT CARE!

To format the disk on PYXIS:

- Type `iniz /h0fmt`
- Type `format /h0fmt -c=16`

Restoration of the TCS (ANTLIA)

The backup CD in Fig. 1 also contains the TCS software setup of ANTLIA, the Linux PC. If this system fails, you may restore the backup or just replace the PC by the backup system next to ANTLIA. The latter procedure is described in Section ”Replacement of ANTLIA”.

In order to restore the backup, follow the instructions:

- Login as **root** with the root-password of the control network.
- Copy the backup file from the CD using the CD-Rom drive:
  - Insert the CD.
  - Type `mount /mnt/cdrom`
  - Type `cp /mnt/cdrom/antlia~1.gz /antlia~1.gz`

- Type `umount /mnt/cdrom`
- Remove CD from drive.

or

- Transfer the file **antlia~1.gz** on the CD from any suitable computer via FTP to **/antlia~1.gz**.

then

- Type `cd /`
- Type `gunzip -9c antlia~1.gz | tar xvf -`