

## Shortened Version: Making Final Backups of Underway Data to Tape

Make three copies on 4mm dat tapes (dev/rmt/1). One copy to drawer on ship, 2 copies to MCS for archiving on shore.

LABEL SHOULD READ:

<b>LEG 195, DEPTH, NAVIGATION, MAGNETOMETER      TAR FORMAT /195depth, /195nav.raw, /195nav.dat, /195mag</b>
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hess% **cd ..**  
/export/home/underway

hess% **mkdir 195**

hess% **cd 195**  
/export/home/underway/195

hess% **mkdir 195nav.raw**  
hess% **mkdir 195nav.dat**  
hess% **mkdir 195depth**  
hess% **mkdir 195mag**  
(hess% **mkdir 195seismic**)

*(WS)FTP files from Winfrog1 (raw and dat) and Winfrog2 (depths.xls) to respective directories. The maggy files are in C:\UW\MAG LOG\195*

hess% **cd /export/home/underway/195**

hess% **ls**  
195dat/ 195raw/

hess% **tar -cvf /dev/rmt/1 \***

*tar - create tape archives,  
and add or extract files, f  
cvf - create verbose will put  
output back on screen*

a 195dat/ 0 tape blocks  
a 195dat/1200\_1.dat 0 tape blocks  
a 195dat/1200\_2.dat 0 tape blocks  
etc.

hess% **mt -f /dev/rmt/1 rewind**

*rewinds tape*

hess% **tar -tvf /dev/rmt/1**

*tvf - table of contents*

drwxr-xr-x 104/100      0 Apr 27 08:01 2001 195dat/  
-rw-rw-rw- 104/100      0 Apr 27 07:58 2001 195dat/1200\_1.dat  
-rw-rw-rw- 104/100      0 Apr 27 07:58 2001 195dat/1200\_2.dat  
-rw-rw-rw- 104/100      0 Apr 27 07:58 2001 195dat/1200\_3.dat  
etc.

**to erase a tape**  
**to copy from tape to disk**  
**to move files (an example)**

```
hess% mt -f /dev/rmt/1 erase  
hess% tar -xvf /dev/rmt/1 your_file  
hess% mv tfile101309025435 /export/home/underway/199/199seismic
```