# DVRAS – Daily Checks

## Procedure

1. Check whether dvrecord is running:

**$ ps** aux **|** **grep** dvrecord

1. Find files for the last ten minutes:

**$ cd** **/**mnt**/**datahdd**/**dvras**/**data**/  
$ find** **-**mmin **-**10

1. Check that last quick-look email was sent:

**$ tail** **/**dvreport-log.txt

1. Review quick-look plots at:

**/**home**/**dvras**/**work**/**combined\_quicklooks\_60days

## Useful Commands

* To find dvrecord:

**$ find** dvrecord

* To see crontab schedule:

**$ sudo** crontab -l

* To edit the crontab:

**$ sudo** crontab -e

* Start-up script for recording:

**$ /**usr**/**local**/**bin**/**dvrecord

* To log into database:

**$ sudo** mysql -u dvras -p fofedfi  
**$ user:  
$ password:** dvras001

* Database queries:

**$ mysql>** SHOW TABLES**;  
$ mysql>** SELECT **\*** FROM email WHERE email LIKE 'bvaneden@sansa.org.za'**;  
$ mysql>** DELETE FROM email WHERE email LIKE 'bvaneden@sansa.org.za'**;  
$ mysql>** INSERT INTO email **(**email**)** VALUES **(**"bvandeden@sansa.org.za"**);  
$ mysql>** exit**;**

## System Information

### Data Details

* Data Directory: /mnt/datahdd/dvras/data
* Data Type: Audio .wav files
* Logging Frequency: Data file every 2 minutes, 9.6 MB x 721 files
* Naming Format: yyyymmdd\_hhmmss\_sn e.g., 20141229\_145200\_SAN.wav
* Transfer: Return to South Africa after each summer voyage
* Backups: Backup data to NAS
* Soundcard Gain: Set in /home/dvras/.dvrasrc (file)

### Auxiliary Software

* NTP: Network time protocol server using the GPS time (GPS\_NME)
* MySQL: Database program for data and email server