

APPENDIX C – ANTELOPE

How to Request and Install Antelope

PASSCAL computers have Antelope pre-installed. However, you may need to update the version of Antelope on the PASSCAL computer if it has been in the field for more than one year. Additionally, BRTT releases patches throughout the year. Therefore we recommend you regularly check for Antelope patches. For more information about Antelope visit <http://www.brtt.com> and see the man pages.

❖ **IMPORTANT:** IRIS has an agreement with BRTT that the PASSCAL Instrument Center will provide Antelope support for all PASSCAL experiments. Please direct all Antelope questions to passcal@passcal.nmt.edu.

1) Requesting Antelope

New versions of Antelope are released late winter or early spring. You should check for the most recent version at <http://www.brtt.com>. If you have an old version of Antelope please fill out the proper form here: http://www.iris.edu/manuals/antelope_irismember.htm.

If you or your institution is not an IRIS member but you will process data from a PASSCAL experiment, please contact us at data_group@passcal.nmt.edu. One may find a list of IRIS members at http://www.iris.edu/hq/about_iris/membership.

2) Installation

Please follow the installation instructions found in the README file. Make sure you complete the file site.pf with your network information. This file is stored in /opt/antelope/latest_version/data/pf/. For a detailed description of this file refer to the man page (i.e. **man** site.pf).

3) Setting the Proper Environment

Antelope is self-contained and requires certain environment variables to run properly. There are two scripts in /opt/antelope/latest_version that may be used to setup your shell environment (setup.csh and setup.sh). Depending on your login shell you will need to source one of these two scripts, and it is advisable that you include it in your login files. You can source this file with the following:

```
<my_cpu> source /opt/antelope/latest_version/setup.csh
```

Alternatively, you may put the following statement in your login scripts (assumes a csh compatible session) to ensure the Antelope environment is set for all active shells:

```
if ( -r /opt/antelope/4.3u ) then
    source /opt/antelope/latest_version/setup.cshrc
endif
```

4) Verifying installation

You may run the command **check_antelope_installation** to verify the installation was done properly.

5) Licensing Antelope

To request a license, run the following commands:

```
<my_cpu> source /opt/antelope/latest_version/setup.csh
<my_cpu> register_antelope -m data\_group@passcal.nmt.edu
```

If you install Antelope and you are not an IRIS member, but are processing data from a PASSCAL experiment for archiving, please do not complete the request form and enter QUIT to finish your installation. PASSCAL is responsible for processing all PASSCAL experiment license request for BRTT

The **register_antelope** command will collect the necessary information about your working environment and launch a GUI interface. Verify the information and under the heading 'license type' and select 'node' before you submit the request to PASSCAL.

6) Patching Antelope

You should keep Antelope updated with available patches. To install patches you may need to be root (depending on the UID that owns /opt/antelope). The utility **antelope_update** is a GUI interface that will list and install available updates.