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**Note** – For Solaris 2.5 diagnostics testing, refer to the *SunVTS 1.0 User's Guide*.

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### *A.1 Sundiag*

Sundiag is an on-line system exerciser that runs diagnostic hardware tests. It is used primarily with the OpenWindows software interface that enables you to quickly and easily set test parameters to run tests.

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**Note** – Sundiag does not probe for SunSwift SBus Adapter devices by default. For Sundiag to acknowledge an hme<num> channel, the `.usertest` file must be edited before bringing up Sundiag, as described in the following section.

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## A.1.1 Editing .usertest File

1. Login as superuser and then type the following:

```
zardoz# cd /opt/SUNWdiag/bin
```

2. Edit the file `.usertest` by adding the following line wherein the format is test label, test name, and command-line arguments.

The example given is for a single `hme0` interface; for multiple channels add an additional line for each channel using `hme1`, `hme2`, etc.:

```
hme0, nettest, IF=hme0 v
```

Because testing the SunSwift SBus Adapter is user defined, default options are not displayed in Sundiag. Test options for an `hme<num>` channel can be defined in the `.usertest` file using the command `nettest`. Type the command `nettest` without arguments for a list of options, for example:

```
zardoz# nettest
Usage: nettest [TARGET=h1+h2...] [IF=interface] {TEST=0..7}
N=nopkts} {P=pattern} [T=seconds]
```

## A.1.2 The Sundiag Window

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**Note** – Examples in this section show Sundiag running in the OPEN LOOK® environment. Sundiag run in the SunView™ environment will look different.

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To start Sundiag, `cd` to the Sundiag directory (`/opt/SUNWdiag/bin/sundiag`) and then type the `sundiag` command. After you enter the `sundiag` command, the Sundiag window is displayed on your screen, refer to Figure A-1. This window is the primary interface for running Sundiag. Refer to the Sundiag manual that came with your operating system for further details.

The Sundiag window is divided into four small windows:

- The system status window at the upper-left of the screen displays the status of the tests.
- The performance monitor panel in the upper-middle of the screen displays the performance statistics for the system that is under test.
- The control panel is located at the right. The panel includes buttons, exclusive choice, toggle, and pop-up menus that allow you to select test parameters and options.
- The console window at the bottom-left displays test messages, and allows you, as a superuser, to use operating system commands.

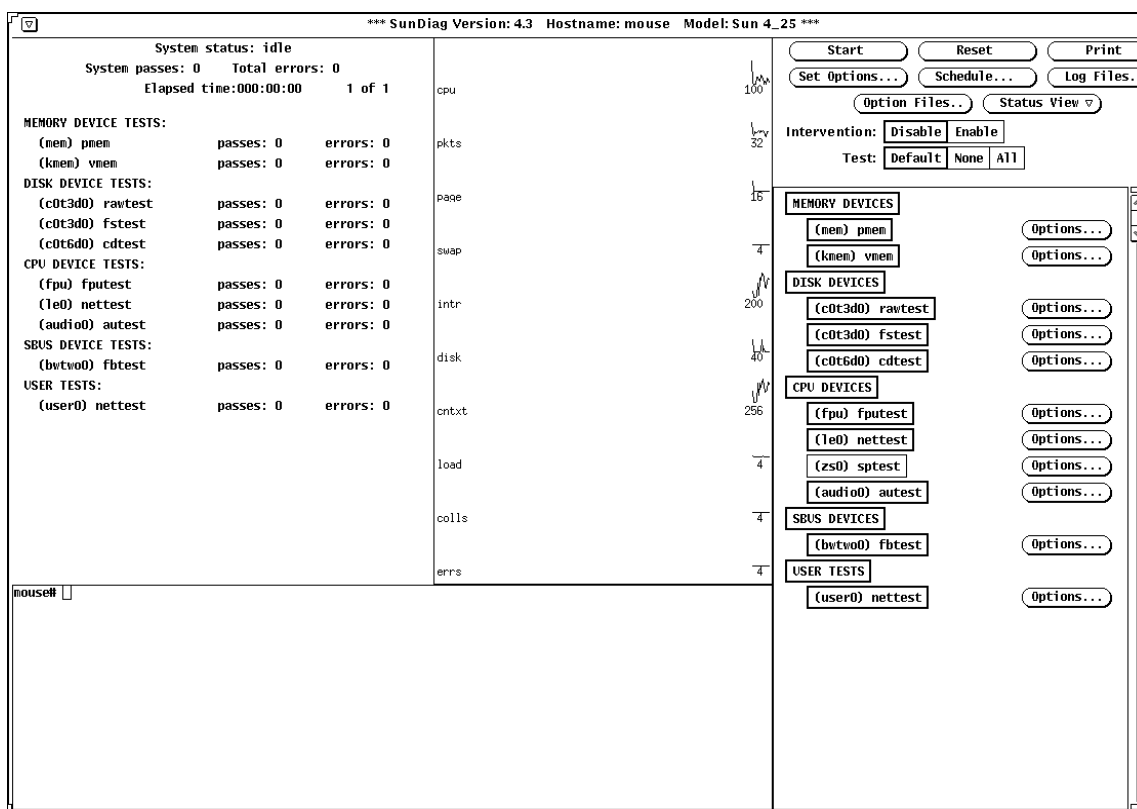


Figure A-1 Sundiag Window

### *A.1.3 Starting the Test*

- 1. Review the information in the control panel, which identifies the devices that are available for testing.**

Click on the device that you want to test, in this case (*USER 0*) `nettest`. Your selection is confirmed with the display of a highlighted box next to the device name.

- 2. Click on the Start button.**

- 3. Watch the console window for messages.**

- 4. To interrupt a test or to stop after a test is completed, click on the Stop button.**

If no problems are identified during the testing, the SunSwift SBus Adapter is ready for operation in your system. Click on the Quit button to exit Sundiag.