

**NAME**

`file_log` - log an input string in a logfile.

**SYNOPSIS**

`file_log` *input\_string*

**DESCRIPTION**

*File\_log* will maintain an already existing file named by the environment variable `$DELTA_LOG`. When invoked with a string, it will lock the `delta_log` file (prevent other `file_log` invocations from accessing it) and append the string along with some identifying information. It then unlocks the file and exits. If an error occurs the entire log entry is mail(1)'ed to an administrator defined in the `file_log` shell file.

*File\_log* uses a shell variable `$DELTA_LOG` to identify the log file. If it is not defined or null it is assumed to be `delta_log`. The `$DELTA_LOG` environment variable is a relative path name of a file used for recording changes to the SCCS data base (i.e. source files). It searches each component of the environment variable `$SCCSOURCE` for a readable file named by `$DELTA_LOG`. Thus, each different `$SCCSOURCE` can have a different delta log file. *File\_log* is written in Bourne shell-ese and thus runs only on systems supporting the Bourne shell.

*File\_log* is used by `gdelta(1S)` and `gadd(1S)` to record all changes made to particular subsystems. If the file named by `$DELTA_LOG` does not exist, *file\_log* just exits without logging anything.

As an example assume the `SCCSOURCE` and `DELTA_LOG` variables are set to:

```
SCCSOURCE=/usr/src
DELTA_LOG=admin/sys_dellog
```

Then,

```
gdelta -y'Added dall driver' conf.c
```

causes the following information to be appended to the file `/usr/src/admin/sys_dellog`:

```
egb May 3 13:42:57
    /usr/source/src/ucb/os/s.conf.c 2.13
    -yAdded dall driver
```

Note the "-y" is left in the comment. This is a simple way to distinguish between delta's and admin's (changes to the SCCS files as opposed to additions). *File\_log* can be also be called directly.

**SEE ALSO**

`gdelta(1S)`, `gadd(1S)`

**DIAGNOSTICS**

All diagnostics are printed on file descriptor 2.