

## IRIS 7.10 Release Notes

These notes cover changes made in IRIS since release 7.09 of 20 August 1999. If you are upgrading from an earlier release, please read those notes also. The current hardcopy versions of the manuals are: *IRIS/Open User's Manual: 7.05*, *IRIS/Open Utilities Manual: 7.05*, *IRIS/Open Installation Manual: 7.05*, and *IRIS/Open Programmer's Manual: 7.05*.

### Upgrade Changes

1. Starting with this release of IRIS, SIGMET's online manuals are now shipped in .pdf format and viewed using Adobe acroread. This means they will work on all three of our platforms: PC Linux, HP HP-UX, and SGI IRIX. Installing the manuals will automatically install acroread version 4.0. If you are upgrading from an older version of IRIS you will have to make these changes for the new manuals to work:

Edit your `${IRIS_CONFIG}/profile` file. Remove the definition for `IRIS_BIN_WV`. Insert the definition of `IRIS_BIN_ACROBAT` from `${IRIS_ROOT}/config_template/init/profile`. Similarly replace the definitions for all the `IRIS_MANUALS` variables with those defined in the template file.

2. Also starting with this release is the new pipe output. To use this feature after an upgrade you will have to make these changes:

Edit your `${IRIS_CONFIG}/profile` file. Add the definition for `IRIS_PIPES` taken from `${IRIS_ROOT}/config_template/init/profile`. Next create this directory and copy the template files with:

```
$ mkdir ${IRIS_CONFIG}pipes
$ cd ${IRIS_CONFIG}pipes
$ cp ../../config_template/pipes/* ./
```

Note that this directory can contain user supplied pipe programs, and they are not changed by an IRIS upgrade.

### Bug Repairs

1. IRIS no longer signals a message when a window cannot be created. This used to cause a series of messages if someone was not logged in.
2. The recommended default product priorities in **setup** were not appearing when you pushed the "i" buttons.
3. When mounting a MO disk in the Archive menu errors were not signalled correctly. This bug dates back to at least version 6.13. Errors were signalled correctly in **init\_iris\_mo**.
4. Fixed a bug in the real time display which caused the header to be missing for the first few rays of every sweep. This would cause error messages on the terminal whenever a new task was started. This was introduced in release 7.08 with the byte swapping support for Linux.

5. Fixed a bug in the real time display which caused the time to display incorrectly in PPI continuous scans. The time was correct for the first sweep, but would restart counting for each additional sweep. This was introduced in 7.00.
6. The real-time display transmitter is improved to allow starting in the middle of a scan, and it will not display a lot of buffered data when turned on.

## New Features

1. The IRIS ingest process and **ascope** utility will now signal the disappearance of a proper burst waveform at the RVP7/IFD. This requires RVP7 Rev.15 or greater.
2. *HP Platforms only:* IRIS's MO disk support is enhanced to allow mounting on a system with the main file system type of "vxfs" in addition to the old "hfs". The media is initialized differently, so you cannot transfer disks between the two systems.
3. IRIS now supports custom formatting of product output by running the IRIS files through a customer supplied pipe program. To use this feature, write a program which reads from stdin and writes to stdout (any error messages should go to stderr). Place it in the `${IRIS_PIPES}` directory, with execute bits on. Next bring up your output device in **setup**, select device type=network, file format=pipe, and type in the name of your file.  
  
IRIS supplies two example pipe programs. "Picture" converts an IRIS product file to the 4-bits per pixel IRIS "picture" format in effect at release 7.00. "AddLabels611" converts an IRIS product file to add in the labels array in the product\_end structure, similar to the format in effect at release 6.11.
4. The current SIGMET manuals are now supplied in pdf format directly readable off the cdrom. Look in the /manuals directory, and follow the path down for the desired manual until you find the pdf files.

## Setup Changes

1. *HP Platforms only:* Be sure to run **setup** and set the file system type to match your system. You can see what your system uses by running **sam**. Select "Disks and File Systems", then select "File Systems". You need to match the type of the "/" file system.