

## IRIS 7.08 Release Notes

These notes cover changes made in IRIS since release 7.07 of 14 May 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*.

### Installation Changes

1. This release includes a Beta release for Linux, with all features implemented except for manuals and tape support.

### Bug Repairs

1. IRIS will now signal all BITE faults which occur at the same time. It used to just signal one.
2. New iris installations will no longer be missing the Default.Strings and Default.HomePoints files.
3. *SGI Platforms Only:* The install\_iris script will now work correctly on IRIX64 systems.
4. *SGI Platforms Only:* The install\_iris script will not be confused by the bin/IRIX/bin/cp file.
5. Fixed various bugs in manual scans: The menus reversed the C vs. NC flag. The max. raycount is raised from 720 to 1024. The continuous manual scans were broken. The sweep count was not forced to 1, which caused unusual looking ISM displays. These bugs date back to at least 6.15
6. The inner ring of pseudo CAPPIs was incorrectly filled with data from the lowest rather than the highest tilt PPI, except for volume scans where the ratio of the highest to lowest elevation angle was 60 or more. For example if you volume scan went from 0.5 to 30 degrees, it would work, but not for 1 to 45 degrees. This bug was introduced in 7.05.
7. Fixed bugs in the TCF menu which caused the new H+V polarization to not work correctly.
8. Fixed rounding error in the TCF menu which caused excessive rounding down of the range resolution when the resolution was not an integer number of meters.
9. Fixed bugs in **irisnet** and **sigterm** to make them more reliable in unusual network environments.
10. Fixed compositing bugs: with zero skip, it was failing to increment the time to the last input file. With a skip time it was failing when multiple files matched exactly with the skip time.

### New Features

1. The Real-Time display now works between machines which are byte-swapped, such as the HP and Linux.

2. Printing now works on Linux.
3. The **dspx** utility now shows the present state of AFC/MFC in the printout of the GPARM command. The AFC/MFC mode is shown, as well as the 16-bit D/A converter level (in percent). The later feature requires RVP7 Rev.14 or greater.
4. The antenna simulator can now work without using the serial lines. This is done by setting the device file to blank in setup, as well as setting the IRIS\_ANTSIM environment variable to blank.
5. **Irisnet** now allows the user to enter the name of the home machine for each of the remote systems. This is useful on networks in which a host does not have the same hostname on all machines.
6. Added some more checks to the TCF menu. It will complain if recorded data has a threshold set to "all fail". Also complains if you attempt to record ZDR or KDP while the polarization is fixed.
7. The **copy\_data\_tape** utility has new features to allow it to copy several tape together onto one.

## Setup Changes

1. There is a new question to enable automatic starting of the antenna simulator in the RCP section.