

IRIS 7.14 Release Notes

These notes cover changes made in IRIS since release 7.13 of 18 January 2000. 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*: 7.12, *IRIS/Open Utilities Manual*: 7.05, *IRIS/Open Installation Manual*: 7.12, and *IRIS/Open Programmer's Manual*: 7.12.

Installation Changes

1. *Linux platforms only*: There is a new environment variable `IRIS_SOUNDS`. When upgrading IRIS, you will need to edit your `${IRIS_CONFIG}` profile file to add the line below. An example of this is in the `config_template/init` directory.

```
export IRIS_SOUNDS="${IRIS_ROOT}/dt/sounds/"
```

Bug Repairs

1. Fixed RTI product running on RHI, PPI sector, and manual tasks. Also fixed errors in the product due to the maximum height cut off. Display now supports selectable range units.
2. Setup limit checking for tape archive output will no longer complain about errors in the MO archive output. It was checking fstype, mount point, and raw device.
3. Repaired a bug in the product generator introduced with the new product inventory introduced in 7.13. All products of more than one input product (like RAIN1, RAINN, COMP, etc.) would fail.
4. Fixed network status reports to the RCP. The reports were not sent correctly if the same site code is entered for multiple workstations.
5. The RXnet7 manual is now properly included and installed with the IRIS release.

New Features

1. The new "hardware name" feature is fully implemented. For normal IRIS systems, enter the same name for both the Site name and Hardware name. For dual redundant systems, set both systems to use the same generic Site name, but select different Hardware names. The Hardware name is recorded with the data, so you can determine which system was in use. Also the STAT products are made using the Hardware name as the Site name. This allows switching software to know which systems are working. In the list of *Site Names and Site Codes*, be sure to define all three sites.
2. **Ribsetup** now supports up to 8 configurations.
3. The RVP section of **setup** now has automatic version upgrading.
4. RVP7 gas attenuation constant now uses a nonlinear 16-bit code that permits larger values to be encoded. The upper bound in **setup** is now 5dB/km. Note that the previous

maximum value of 0.6 dB/km is the highest you can get on an RVP6, or RVP7 before V16.

5. There is a new network-output file naming convention available called IIA. This is to meet the specification for the Incheon International Airport system.
6. IRIS now maintains an archive of old LOG files as follows:
 - 1) A new **setup** question has been added in the IRIS/General section to define how many old log files you want to keep. Setting this to “1” gives the current behavior.
 - 2) The log file names have been changed to a 3-character site code, followed by the standard IRIS 12-decimal-digit numerical time specification, followed by “.LOG”, e.g., “NMA000128193904.LOG”. Files having this name format should not be created within the IRIS_LOG directory by any other applications. However, any other filename format may peacefully coexist with these new log files within the IRIS_LOG directory.
 - 3) There is a symbolic link “IRIS_ERROR.LOG” which points to the current error log file. This way you can easily reference and type out the current file in a consistent way.
 - 4) When SIRIS runs it will:
 - a) Copy any data from the old IRIS_ERROR.RING log file onto the end of the last log file, i.e., the file pointed to by IRIS_ERROR.LOG. This produces just one consolidated log file for each occasion, and we can reuse the ring filename again.
 - b) The IRIS_ERROR.LOG symbolic link is deleted, along with the old IRIS_ERROR.RING file.
 - c) Any old log files in excess of the requested quota are deleted. Only files matching the naming convention in (2) are affected.
 - d) A new error log file is created using the SIRIS startup time as the basis for its file name. The IRIS_ERROR.LOG symbolic link is recreated to point to this new file. A new (all NULL) IRIS_ERROR.RING file is created.
7. The TDWR product is displayed correctly in IRIS. This includes showing the protected areas being watched, the hit protected area for each corridor, and a label string on the bottom of the display if there is a hit. The TDWR file format was changed a little to incorporate all this information, so products made before IRIS version 7.14 will not display as well.