

## IRIS 7.19 Release Notes

These notes cover changes made in IRIS since release 7.18 of 8 June 2000. If you are upgrading from an earlier release, please read those notes also.

### Installation Changes

1. Several more changes were made to **install\_iris** having to do with choosing the root point for the installation. The **-target** command now chooses the target node name only, and the new **-root** command separately chooses the mount point. You may also use **-root** separately (without **-target**).

The new convention is that the root point will only be inferred to be the parent directory of where **install\_iris** is running if the **IRIS\_ROOT** environment variable exists and matches that parent directory. This handles all of the usual cases of performing upgrades from the **IRIS\_ROOT** install directory itself. However, for new installations (in which **IRIS\_ROOT** probably is not yet defined), and for targeted installations on remote machines, the root point must always be chosen with **-root**.

### Data Format Changes

1. Added two new products **CATCH** and **GAUGE**, and removed the retired **RTPPI** product. See **product.h** for details. There is a new **catch\_results** structure defined to hold the **CATCH** product info.
2. The overlay file format has changed. We have dropped support for the backward compatible “**lat**” and “**lon**” commands. We have also added a separate control of the underlay fill center and the default draw center. If your overlay file contains the old commands, then you will need to edit it after the upgrade. For example, if your file used to contain:

```
lat      37.464726
lon      126.363564
```

Change it to read:

```
fill_center 126.363564  37.464726
draw_center 126.363564  37.464726
reference   126.363564  37.464726
```

3. There were changes in the client/server data format which will prevent connections between 7.19 and 7.18.

### Bug Repairs

1. Radar systems with no RCP will now display “N/A” on the RST menu, and not flag this as a critical fault.

2. There was a bug in the setown part of **install\_iris**. It was not setting the x bits on /usr/sigmet/dt/appmanager files. This was causing the icons to be broken on the front-panel of the HP. As a work around you can run “chmod +x \*” in that directory.
3. **Zauto7** Auto Cal Config menu was not updating the plot menu.
4. *HP and SGI platforms only:* There was a byte-swapping bug which caused the color scales defined in **color\_setup** to not appear in the product configuration menu and in the output options menus.

## New Features

1. The **dspix** utility will now attempt to perform a code upgrade of the RVP7 when invoked in the default chat mode with no command line arguments. The message “Checking for code upgrades...” will appear in the startup text to remind you that this is happening, and success or failure messages will be printed. Note that invoking **dspix** with the “-nochat” flag still suppresses automatic code upgrades.
2. IRIS now includes a unified version of the **find** utility, called **gnufind**. This was necessary because not all vendor’s versions of **find** supported the -path option.
3. IRIS now support the new CATCH product as part of the optional hydromet package. This product allows the user to define a subcatchment map file, and then to process RAIN1 products to compute the average rainfall accumulation within each subcatchment. There were extensive changes to the **overx** utility to support displaying catch files, as well as a new product type, and display.
4. The new directory “bin/extras” is now a standard part of every IRIS release. The purpose of this directory is to allow customers to install selected files locally if they want; but it probably would never be put in their actual search path. **xv** is the first member of the new bin/extras directory. If you want this utility, and it is not already installed on your system, then copy it to your /usr/local/bin directory.
5. The new **sigbru** (short for Sigmet Backup & Restore Utility) is now available. This is a graphical interface to allow easy backup and restoring of files and whole disks either locally or over the network.