

9. Products and Displays at IRIS Radar

This chapter will describe briefly how to make and display some products at IRIS Radar site. For operational product configuration, see *IRIS Analysis Manual* .

9.1 Configuring products

At IRIS Radar, you typically want to configure only two kinds of products: RAWs and PPIs. A RAW file contains all the information collected during a measurement task, and it is compressed to a small file so it can be sent over network to IRIS Analysis. A PPI shows data from one elevation, all azimuths, and at the radar site it can be used for quality control.

You can also configure some other products: WARN, FCAST... See IRIS analysis manual for these.

Configuring RAW products

- Choose **Menu** → **Product Configuration** from IRIS menu bar.
- Choose **Type** → **RAW**.
- Click the button next to TASK name, and pick a task from the pop up list.
- If you will have to copy the product files over a slow network connection, click the button “Make sweep-by-sweep?” **On**, otherwise leave it **Off**.
- Choose **File** → **Save as..** and give a name for the RAW file.

Configuring PPI products

- Choose **Menu** → **Product Configuration** from IRIS menu bar.
- Choose **Type** → **PPI**
- Click the button next to TASK name, and pick a task from the pop up list.
- Click the button next to Data:Display, and select one parameter to be displayed, typically Z for reflectivity.
- Enter Maximum Range (in kilometers) and elevation angle which suit the TASK you have selected (you can see task information in upper part of the menu).
- **File** → **Save as..** and give a name for the PPI file.

9.2 Scheduling products

- Choose **Menu** → **Product Scheduler** from IRIS menu bar. You will get a list of all the product types on the system.
- On first line of menu, press the button next to **Add For...** and select the code for your local radar.
- In the list of product headers, left click the line **RAW —Product —**
- From the pop up menu, select the name of the RAW product you have just configured.
- From request field, click to get a pop up many which lets you to select **All – Next – Stop**. Select **All** to get this product for all the future tasks of the given TASK name.
- Repeat the three last steps for other RAW and PPI products.
- Choose **File** → **Save** and give a name for this product scheduler.
- If you want to make products from old data, use **Next–Product–Time buttons** to go backwards in time.

9.3 Quick Look Window to view products

Quick Look window is the main tool of IRIS User to see the products. As minimum, you only need three buttons to control this display, and they are all located in the upper right corner of the window.



The first icon **Site**, lets you select a site from all the sites configured at General Setup. Pick the one that means your own, local radar.

Clicking the second icon **Product** pops up a list of available products. Typically at the radar site, you only have PPI products, and you can select one of the PPIs from the list. If the list contains only N/A then no products are available on the disk for the radar site you have selected. (To see other than PPI products, first click PPI to see all the available product types and then select the product. Note that RAW products can not be displayed.)

Third icon, **Time**, indicated with a clock symbol, shows actual times at which there are images for the product name you have selected.

After you have selected **Site**, **Product** and **Time**, you should see a product in the big window, and information about it in the small side windows as shown above. The slide bar lets you to browse through older and newer images.