

8. Managing Ingest Files

Ingest files are the data collected from the signal processor each time a TASK runs. An ingest file is not the same as a RAW data product, which stores ingest data in a compressed format. Ingest files are cataloged by their associated TASKS and stored on disk in an ingest summary file. The Ingest Summary menu accesses this file to provide you with a list of all of the ingest files currently on disk.

IRIS uses an automatic Watchdog process to delete old ingest files. The Ingest Summary menu allows you to tag files with a Keep flag so they are not deleted by the Watchdog. This is necessary if you want to save ingest files, including those that have been restored from tape, for non-real time product generation in an analysis mode. For example, you might want to make a product tomorrow from today's ingest data.

The menu also allows you to delete unwanted files, such as those that were previously tagged as Keep, to free more disk space for new ingest files. Again, the Watchdog normally does this automatically, but tagging files lets you make the decisions as to which files the Watchdog should keep and delete. This is especially convenient when ingest files are restored from tape.

To enter the Ingest Summary menu:

Choose **Menus→Ingest Summary** from the IRIS menu bar or from any of the IRIS menus.

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8.1 Ingest Summary Menu

wind Ingest Summary									
File Menus Commands									Help
Site	TASK	Scan	From	To	Day	Mon	Year	Files	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	20
Apply		Grab		All Wild		Wild Time		Commands	
102/102 Files 19.6M/19.6M Bytes									
Tag	Site	TASK	Name	Scan	Range	Data	Sweeps	Start Time	Size
	WND	TEST		PPIF	149.9	Z V	1	13:11:00 1 MAR 1997	0.0 K
	WND	TEST		PPIF	149.9	T Z V	1	09:39:02 21 JAN 1998	196.6 K
	WND	TEST		PPIF	149.9	T Z V	1	09:38:06 21 JAN 1998	205.3 K
	WND	TEST		PPIF	256.0	T Z V	1	09:34:31 21 JAN 1998	205.3 K
	WND	TEST		PPIF	256.0	T Z V	1	16:02:53 19 JAN 1998	300.5 K
	WND	TEST		PPIF	256.0	T Z V	1	16:03:50 19 JAN 1998	320.5 K
	WND	TEST		PPIF	256.0	T Z V	1	16:01:57 19 JAN 1998	320.5 K
	WND	TEST		PPIF	256.0	T Z V	1	16:01:01 19 JAN 1998	320.5 K
	WND	TEST		PPIF	256.0	T Z V	1	16:00:06 19 JAN 1998	320.5 K

Filter Menu Section 8.1.1

The top part of the menu lets you choose the files that you want to display.

Ingest File List Section 8.1.2

The bottom of the menu contains the list of ingest files.

8.1.1 Filter Menu

Site	TASK	Scan	From	To	Day	Mon	Year	Files
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
SIG	PPI_VOL	PPIF	*	*	20	Apr	97	200
Apply		Grab		All Wild		Wild Time		Commands
102/102 Files 19.6M/19.6M Bytes								

When you first enter the Ingest Summary menu, all possible ingest files are listed at the bottom of the menu. This list can be quite large, making it difficult to find the ones you need. You can use the Filter menu to narrow the list down to only those files that are of interest. By entering values in the filter fields, you can narrow the list by site, TASK, or scan. You can request only those files created within a range of hours, or on a specific month, day or year.

Site

Enter a site ID in this field to select data from only one radar site, or enter the wildcard character to select data from all sites. If you click on the Site button, IRIS pops up a list of known sites. This list differs from system to system, depending on the sites that are configured with the Setup utility.

TASK

Enter the name of a TASK in this field to narrow the list down to only those products generated by a specific TASK. You can include wildcard characters in the TASK name. A question mark (?) matches any single character; an asterisk (*) matches any sequence of zero or more characters. For example, entering a TASK name of *PPI*_? selects all hybrid TASKS that have PPI somewhere in their names.

Scan

Enter a scan type in this field to select products of only one type, or enter the wildcard character to select products of all types. You can pop up a list of types to choose from.

From To

Enter a range of hours in these two fields to narrow the list of files by time of day. You can pop up a list or ranges to choose from.

Day, Month, Year

Enter a day, month, or year to narrow the list of files by date. You can pop up a list of values to choose from.

Files

The Files field lets you control how many files to include in the list.

Apply

Click on the Apply button to update the product list, based on your selection criteria. The Apply button is enabled only if the Filter button is pushed in. If the Apply button is grayed out, click on the Filter button.

Grab

If a product is selected, the Grab button inserts the product's site, type, product name, TASK and date information into the filter fields.

All Wild

Click on the All Wild button to return all the fields to the wildcard character.

Wild Time

Click on the Wild Time button to change only the hours, month, day and year fields to the wildcard character.

Commands

Pops up the following list of operations that you can perform on the ingest files selected by the Filter menu:

Keep	Keep tags all selected files with the keep flag.
Clutter	Clutter tags a selected file as a clutter map.
Un-Tag	Un-Tag removes delete or keep flags from the selected files.
Delete	Delete tags all selected files with the delete flag.

8.1.2 Ingest File List

102/102 Files 19.6M/19.6M Bytes									
Tag	Site	TASK	Name	Scan	Range	Data	Sweeps	Start Time	Size
	WND	TEST		PPIF	149.9	Z V	1	13:11:00 1 MAR 1997	0.0 K
	WND	TEST		PPIF	149.9	T Z V	1	09:39:02 21 JAN 1998	196.6 K
	WND	TEST		PPIF	149.9	T Z V	1	09:38:06 21 JAN 1998	205.3 K
	WND	TEST		PPIF	256.0	T Z V	1	09:34:31 21 JAN 1998	205.3 K
	WND	TEST		PPIF	256.0	T Z V	1	16:02:53 19 JAN 1998	300.5 K
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	WND	TEST		PPIF	256.0	T Z V	1	16:01:57 19 JAN 1998	320.5 K
	WND	TEST		PPIF	256.0	T Z V	1	16:01:01 19 JAN 1998	320.5 K
	WND	TEST		PPIF	256.0	T Z V	1	16:00:06 19 JAN 1998	320.5 K

The Ingest Summary list is sorted by time, with the newest files listed first.

Tag

This field displays “k” for Keep, “d” for Delete, or blank if no flag is set.

Site

The Site field shows the site ID for the radar site from which data were gathered.

TASK

The TASK field contains the name of the TASK.

Scan

The Scan field contains type of scan used to collect the data, such as RHI or PPI.

Range

This field contains the value of the Max Range field, taken from the TASK configuration.

Data

The Data field lists the data parameters — Z, T, V, W — for the TASK.

Sweeps

The sweeps field shows the number of sweeps that were collected by the TASK. If the scan was halted prematurely, this column displays the partially completed TASK as N/M, even if the TASK was halted partway through the final sweep.

Start Time

The Start Time field shows the time that the TASK started to collect data.

Size

The Size field shows the total amount of disk space occupied by the ingest files for this run of the TASK.

Pop-up Menu

You can select an entry in the list, position the mouse cursor over any of the fields, and pop up the following menu of commands:

Keep
Clutter
Un-Tag
Delete

Keep tags all selected files with the keep flag.

Clutter tags a selected file as a clutter map.

Un-Tag removes delete or keep flags from the selected files.

Delete tags all selected files with the delete flag.

8.2 Tagging and Untagging Files



Caution: Deleting files may interfere with subsequent product generation. Be sure that a file is not required for product generation before you delete it. The only circumstance that may require manual deletion is when you need to make room when restoring a RAW file from tape.

1. Select one or more files from the list. There are several ways to make your selection:
 - Click the left mouse button over an entry in the list to select it, or press Ctrl and click to select more than one entry in the list.
 - Click and drag the mouse to select a group of entries in the list, or press Ctrl, then click and drag the mouse to select multiple groups of entries.
 - Use the Filter menu to produce a list of the ingest files that you want to tag.
2. Choose **->Keep**, **->Delete**, or **->Un-Tag** from one of the following pop-up menus:
 - If you selected the entries with the mouse, position the mouse cursor over the ingest file list and click on the right mouse button to pop up the menu.
 - If you selected the entries from the Filter menu, click on the Commands button to pop up the menu.

The files are then marked with a “k” for keeping, a “d” for deleting, or the tags are removed, depending on the command you chose.