

Ingest General Questions

- **How can an ingest operator get a list of ingest “processed” data that was ingested by a particular D3 tape and ensure the data have been archived? How can an ingest operator use the file name in the PDR record on a D3 to verify the scene is in the archive? More specifically, if a D3 tape has 100 scenes on the tape how does the operator know that 100 scenes ended up in the archive. Let’s say only 99 scenes worked. Can the system identify which one failed?**

By looking at the Ingest database (or using the GUI), you can see which granule failed. By looking at the PDR or at the InRequestFileInfo table for that granule, you can see which data file(s) it was. By scenes, I assume that it means granules. To ensure that the data have been archived, the operator would need to look at the SDSRV database and at the archive(?)

- **What happens to the polling (no PDR) ingest “data” that fails polling ingest? Does it get moved into an error area for operator intervention or does the data stay in the ingest area in an infinite loop?**

Neither. It does not get moved into an error area. Polling keeps track of which files it has already tried to ingest, so it will not keep trying to ingest the same file after the first time even if the file remains in the Polling directory. Ingest is not responsible for removing Polling data files from the Polling directory. Other than EDOS, it is the responsibility of the data provider.

- **How do you add a new data type for ingesting? For example – what needs to happen to ingest AVHRR browse data into ECS. Does this require ECS code modifications or just simple configuration changes?**

If a new data type’s processing is exactly the same as some old data type, then no code would need to be modified. For any new data type, the data type and its associated file type and source MCF information would need to be entered into the Ingest database. The servers would need to be restarted in order to read in the new entries in the InDataTypeTemplate table. It is not recommended to add a new data type on the fly and expect it to work. The original intention was that any new data type would be added to a test database and tested in a test mode first.

- **According to the ICD between ECS and ASTER GDS the 'EDC Operator' receives a PDRD/PAN indicating ingest problems with ingest of Level 1 products from D3 tape. What provision, if any, is there for notifying GDS of PDR/granule ingest problems and having GDS correct the problems?**

Not known.

- **How long is data retained in the [Ingest] history log? How is it cleaned up? How often? Where is it backed up?**

As far as I know, the history log tables (InRequestSummaryHeader and InRequestSummaryData) are never being cleaned up. They probably should be or else the database will grow too large.

- **How does the system keep track of incoming data throughout the entire system? For example, an Ingest operator ingests ASTER D-3 data. Can someone explain how to know that a granule of data on D-3 tape has made it to the archive? Specifically, how can a person relate a granule name to a file name in the archive? And to expand on this, if an operator dumped all the granule file names on product delivery record from one ASTER D-3 tape to a disk file, can the operator run a script to verify all granule file names are in the archive? This will become very important for Management reporting.**

We are currently working on a scripted tool that will match granules in the SDSRV catalog (inventory) to granules in the archive. This isn't exactly what you are asking for, but would help in the process. There isn't any tool that double-checks (by name) the granules on a D-3 tape and then checks the archive to ensure that they are all there. Ingest does track how many granules were processed from the tape; that is the check that we use to ensure that the entire tape was, in fact, processed.