Correct Unknown Search Terms in the Search Terms .flt File

Unknown search terms are caused by unexpected issues in SYMGEN where the metadata in the Search Terms .flt file are not updated. Systems internal and external to NASA might not locate data products with unknown search terms. Correcting these errors is essential to the metrics and publication lifecycle of the ASDC.

Acquire the list of unknown search terms

EMS (noreply@███████████.nasa.gov) sends a weekly email with the subject: **EMS Unknown Search Terms for LARCSVC** which lists all files with unknown search terms. These files all contain "████████████████.flt" with a date preceding it formatted as YYYYMMDD. It may also contain additional file extensions indicating previous revisions (.rev1 or .rev2). Additionally, the email contains a detailed report providing the ████████████ and ███████ of the missing search terms.

Acquire the most recent flat file

As of ████████, the most recent Search Terms .flt file is sent in the email mentioned in the above section. At the bottom, there is a link with a .flt extension.

Screenshot of email with link to most recent .flt file:

For a copy of the most recent searchExp flat file EMS has processed, please visit: https://█████████████████████████████20230515_LARCSVC_searchExp_ASDC.flt

Retrieve missing files

Establish pickup directory

In your terminal, complete all Linux operations in the `code blocks` below after making an ssh connection to ██████████.gov:

```
ssh ████████████.gov
```

After connecting, your location should be ████████/AMI_username/

If you have not already done so, create a subdirectory named ████, then create another subdirectory named ██████████████████:

```
mkdir -p ████/████████████████
```

Access missing files

The missing files are accessed via ██████████.gov at this path:

██/YYYYMMDD

Each directory contains files dated for the previous day. For instance, the 20230404 directory stores 20230403██████████████████████████.flt.

Copy file to home directory

Copy missing files to the pickup directory established in your user directory in homedir

```
cp
████████████████████████████████████████████████████████████/YYYYMMDD
/YYYYMMDD██████████████████.*type*
/██████/AMI_username/EMS/LarcServicesEMSReports
```

Example:

```
cp
████████████████████████████████████████████████████████████/20240316
/20240315██████████████████.flt.rev1
/██████/jsmith/EMS/LarcServicesEMSReports
```

Note: There is a space after the end of the source file extension and before the / at the start of the home directory

Rename copied file

After copying the files, rename the extensions. Files that end with only ".flt" need ".rev1" appended to the end. For files that end with ".rev#", increment that number by one.

Examples:

```
mv 20240215██████████████████.flt 20240215██████████████████.flt.rev1
```

```
mv 20240315██████████████.flt.rev1
20240315██████████████.flt.rev2
```

To rename multiple files, consult the missing files sheet and use the provided for loops:

In the missing files sheet, check for the highest number following ".rev"

Starting with the files with the highest ".rev" number: #, use the following loop:

```
foreach f (*.rev#)

mv $f $f:r.rev#+1
```

```
end
```

#+1 represents the integer incremented by 1.

If you made a mistake and your files end with .flt.flt... use the following loop as a fix:

```
foreach file (*.flt.flt.*)

mv $file echo $file | sed 's/.flt..'

end
```

Note: These loops were created for a tcsh connection

Edit .flt file

Copy the YYYYMMDD_LARCSVC_searchExp_ASDC.flt file and rename it with today's date (or the date you create the IT ticket, whichever is later)

Using a text editor, add the ██████████ in all capitalization, the ███████ with its given capitalization, and the ██████████ to the flat file. Delimit the entries with ██.

Example:

██

The ██████████ indicates if the collection was pulled from the ASDC site (██████████████) or Earthdata (█████). Every collection should have one entry with the ████████████████████ and one with the ████████████████.

Example:

██
██████████████████

██
██████████████

Note: The .flt file is organized alphabetically by ████████

Create IT Ticket

After the new collections are entered into the flat file, access
https://██ and create a new IT

ticket under the Database Support category. Use the following information to populate the fields of the ticket:

Summary: Files need to be placed for EMS cron pick up (searchExp update MM/DD/YYYY)

Description:

     Hello,

     Would you please copy the files located in ██████████ ██████████████/AMI_username/EMS/LarcServicesEMSReports to ██ ██████

     These files will be pushed to EMS through normal processes.

     Thank you!

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Note: MM/DD/YYYY being today's date.

Navigate to the ticket on Jira. (Click on the numbers at the top for quick access)

ASDC Help Center / ASDC IT Support / IT-18338
EMS LARCATLAS New Products Metadata Flat File update

Comment on this request... 🔗

WAITING FOR SUPPORT
👁 Don't notify me

Attach your edited .flt file to the IT ticket

A system administrator will notify you after they finish applying updates.