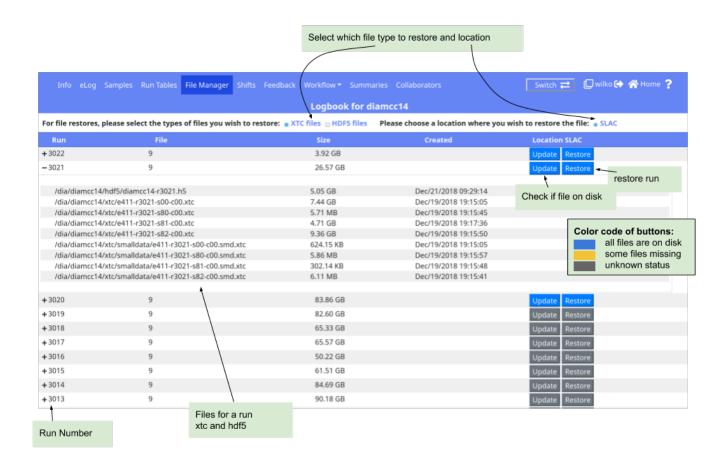# Managing Files

The FileManger service of the LCLS Metadata Manager (eLog) shows user the data files of an experiment and allows to restore runs that were purged from disk.

File-Manager UI

Select which file type to restore and location

Run	File	Size	Created	Location SLAC	
+3022	9	3.92 GB		Update	Restore
−3021	9	26.57 GB		Update	Restore
/dia/diamcc14/hdf5/diamcc14-r3021.h5		5.05 GB	Dec/21/2018 09:29:14		
/dia/diamcc14/xtc/e411-r3021-s00-c00.xtc		7.44 GB	Dec/19/2018 19:15:05		
/dia/diamcc14/xtc/e411-r3021-s80-c00.xtc		5.71 MB	Dec/19/2018 19:15:45		
/dia/diamcc14/xtc/e411-r3021-s81-c00.xtc		4.71 GB	Dec/19/2018 19:17:36		
/dia/diamcc14/xtc/e411-r3021-s82-c00.xtc		9.36 GB	Dec/19/2018 19:15:50		
/dia/diamcc14/xtc/smalldata/e411-r3021-s00-c00.smd.xtc		624.15 KB	Dec/19/2018 19:15:05		
/dia/diamcc14/xtc/smalldata/e411-r3021-s80-c00.smd.xtc		5.86 MB	Dec/19/2018 19:15:57		
/dia/diamcc14/xtc/smalldata/e411-r3021-s81-c00.smd.xtc		302.14 KB	Dec/19/2018 19:15:48		
/dia/diamcc14/xtc/smalldata/e411-r3021-s82-c00.smd.xtc		6.11 MB	Dec/19/2018 19:15:41		
+3020	9	83.86 GB		Update	Restore
+3019	9	82.60 GB		Update	Restore
+3018	9	65.33 GB		Update	Restore
+3017	9	65.57 GB		Update	Restore
+3016	9	50.22 GB		Update	Restore
+3015	9	61.51 GB		Update	Restore
+3014	9	84.69 GB		Update	Restore
+3013	9	90.18 GB		Update	Restore

restore run

Check if file on disk

Color code of buttons:
- all files are on disk
- some files missing
- unknown status

Files for a run xtc and hdf5

Run Number

Status/Restore Files

The colored buttons under the Location header allow to query the status of a file and restore a runs to tape. The color codes are shown above however the status might be outdated in particular files shown to be on disk (blue) might have been removed from disk. The **Update** is used to query the status will open a window like:

Status of files for run 61 at SLAC ✕

Of the 12 *XTC* files in run 61
- 6 are already present at SLAC
- 0 are in the data mover queues

Restore files   **Close**

It will show the status: number of files, files missing and files in restore queue (not shown in this example). If files are missing the restore is requested clicking the **Restore files** button.

The **Restore** button would submit a request directly but only for missing files. The time to restore files might vary from a few 10 minutes to a day or longer. The restore request are run with low priority and when the tape system is very busy archiving files from current experiments the requests are hold back. For any questions or issue please use pcds-datamgt-l.