OPUS Resource File Entries

OUTPATH – directory under which the calibration directory should exist for the dataset (named by TIMESTAMP_DATASET)
DSQUERY – name of OPUS database server
OPUS_DB – name of OPUS database
ARCH_SERVER – name of DADS database server
ARCH_DB – name of DADS database

Success Conditions

A file named **`TIMESTAMP_DATASET.podlist`** will exist in the request-specific subdirectory, indicating which data sources must be retrieved from the archive to re-process this dataset.
OSF.LS = c
OSF.RQ = w

Error Conditions

PROCESS GOES ABSENT
- Missing calibration root directory (OUTPATH).
- Missing TIMESTAMP_DATASET subdirectory.

OSF set to 'e'
- ASN needed for re-processing that has zero (0) collected members in ***asn_members***
- Failure to create **`.podlist`** file
- No ***podnames*** entries found for a needed exposure
- No ***executed*** entry found for a needed exposure
- More than one value for ***executed.executed_flg*** found for an exposure
- Failure running any of the database queries

ARQxxx

Trigger: OSF – 'w' in RQ stage

Summary:

This stage will perform an archive retrieval for each entry in the **`.podlist`** file. The files retrieved will be written back to the request-specific subdirectory.

This process will convert the list of POD and EDT entries in the **`.podlist`** file into a set of archive retrieval commands for retrieving the data files needed for re-processing. For this sample entry in a **`.podlist`** file

```
O4US01EVQ LZ_497C_048_0000155172 POD
```

the archive retrieval command would look something like this

```
java -DCONFIG=/home/otfc/definitions/AcquireDataset.props -jar
/home/otfc/definitions/AcquireDataset.jar LZ_497C_048_0000155172 POD
/info/devcl/pipe/otfr/stis/12109213928475_o4us01010/
```

This method of archive retrieval is called a "direct acquire". To accomplish this, an NFS disk must be shared between the archive system and the OTFR system. Several of the entries in the properties file **`OPUS_DEFINITIONS_DIR:AcquireDataset.props`** point to directories on this shared NFS disk Each archive retrieval command contains the root name to search the archive for, the archive class of the files, and the destination directory for the retrieved files. If any EDT entries appear in the **`.podlist`** file, similar commands are used,