The response file will be formed by renaming and editing the local copy of the OTFR request (REQUEST_FILEEXT). The filename extension of the OTFR request will be changed (RESPONSE_FILEEXT). The FILE_COUNT field in the response file will be updated to include all FITS files in the working directory.

The OSF for DATASET (or the primary product name, if DATASET is an association product) is searched for in the *science pipeline path* using the OPUS tool **`osf_test,`** to return the status column of the calibration stage (CA) of the pipeline. This indicates either success, failure, or non-action. If this status column = 'n' or 'f', then calibration was bypassed, and a message indicating this (RESPONSE_STATUS_NOCAL) will be placed in the STATUS entry in the OTFR response. If calibration occurred normally, a different status (RESPONSE_STATUS_OK) message will appear in the OTFR response.

The OTFR response will be copied, via FTP copy (RMT_MACHINE, RMT_MACHINE_TYPE, RMT_LOGIN, FTP_PFILE), back to a response directory (RESPONSE_DIRECTORY)on the DADS system.

The ***ARCH_SERVER::ARCH_DB:otfr_request_stats*** database table will be updated with the completion timestamp for this OTFR request.

OPUS Resource File Entries

OUTPATH – directory under which the calibration directory should exist for the dataset (named by TIMESTAMP_DATASET)
REQUEST_FILEEXT – file extension for OTFR request in the calibration directory
RESPONSE_FILEEXT – file extension for OTFR response file
RESPONSE_STATUS_NOCAL – status value placed in the OTFR response for a non-calibrated dataset
RESPONSE_STATUS_OK – status value placed in the OTFR response for a calibrated dataset
RESPONSE_DIRECTORY – directory on the remote DADS machine where the OTFR response is sent
RMT_MACHINE – name of remote DADS machine
RMT_MACHINE_TYPE – type of remote DADS machine (UNIX or VMS)
RMT_LOGIN – login for remote DADS machine
FTP_PFILE – filename providing parameters for FTP access to DADS machine
ARCH_SERVER – DADS database server
ARCH_DB – DADS database

Success Conditions

Creation of OTFR response file in local subdirectory by altering the original OTFR request.
Copy of OTFR response file to RESPONSE_DIRECTORY.
OSF.RS = c
OSF.CL = w

Error Conditions

Failure to create the OTFR response file.
Failure to count dataset files in local subdirectory for FILE_COUNT entry in OTFR response.
Failure to update the FILE_COUNT parameter in the OTFR response.
Failure to query the OSF for the value of the calibration pipeline stage (CA).
Failure to copy response file to DADS system (connection failure, permission problem, etc).
OSF.RS = e

CLNxxx

Trigger: OSF – 'w' in CL stage

Summary:

This process cleans up a completed OTFR request by deleting any **`.podlist`**-specific science output in the science pipeline, any processing files left in the request-specific