Success Conditions

EDT or POD files moved to the science pipeline for processing.
For EDT, an OSF will be created in the science pipeline path.
OSF.MV = c
OSF.DC = w

Error Conditions

Failure to open .podlist file
Failure to find destination directory specified for file move.
Failure to move files to destination directory.
Failure to create an OSF in the HST science pipeline for a set of EDT files just moved.
Failure to set POD file permissions to owner:read-only.
OSF.MV = e
Failure to move files due to a collision in the science pipeline.
OSF.MV = z (try again later)

PODTRG

Trigger: Time trigger set to awaken every 10 minutes.

Summary:

This process will awaken and search for OSFs on the OTFR blackboard that have been sleeping in either the MOVxxx (MV) or COLxxx (DC) stages. If any are found, they are retriggered to attempt that pipeline stage again.

The OTFR design includes several planned "sleep" stages during pipeline processing, when a request cannot proceed until some other event has occurred. Two specific cases are:

1. When the MOVxxx process cannot move files into the science pipeline because of a collision, it can set the OSF for this OTFR request to a "sleeping" state (MV = 'z'), so that the move can be tried later, when the datasets causing the collision have potentially cleared the science pipeline.
2. When the data collector (COLxxx) process determines that there are some science files needed for this OTFR request that have not yet completed processing in the science pipeline, the OSF for this request is set to a "sleeping" stage (DC = 'z') so that collection can be tried later, when the science pipeline could have the needed files ready.

This process takes care of identifying OSFs on the OTFR blackboard that are "sleeping" and retriggers them according to the resource file selections (SEARCH_OSF, SET_OSF). This is a generic process that can handle new retriggering behavior by just making additions to the process resource file.

OPUS Resource File Entries

SEARCH_OSF – provides the pipeline stage and OSF status that indicate an OSF in need of retriggering
SET_OSF – provides the pipeline stage and new OSF status that are used to retrigger an OSF
(a pair of SEARCH_OSF,SET_OSF resource values exist for each retriggering case)

Success Conditions

OSFs found in need of retriggering according to SEARCH_OSF are retriggered as dictated by SET_OSF.

Error Conditions

Failure to find and open the pipeline stage file for this path.
Failure to test for OSF status values.