

ACIS ACE P3 Fluence Monitor FSDS Control Document

Name of the Software Suite: acis-P3-fluence.pl

Location: /export/acis-flight/FLU-MON on each of 4 computers:
acis60-v
aciscdp-v
acisway
ishmael

Version Control System: Github

Description:

acis-P3-fluence.pl is a cron job run every 5 minutes, on each of the 4 ACIS Real Time monitoring computers. If the scaled (e.g. HRC in the focal plane and gratings are taken into account) orbital fluence exceeds $1.0e09$, an alert is sent to to ACIS Ops via both text and email.

Change Process:

1. Requestor develops, tests, and documents change following internal processes.
2. A Github PR is created and ACIS Ops members are invited to review and approve the change.
3. With ACIS Ops approval, requestor creates a JIRA ticket in the Flight Support Data Systems project. The FSDS Change Request Form Template will be used to list the information.
4. Requestor notifies FD of the change request by sending email to fltdirs@cfa.harvard.edu and providing a ticket number.
5. If the change is approved, requestor or responsible party installs to the flight configured environment and tests (as appropriate) the installed change.
6. Github PR is merged.