ppssumm

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Abstract

Produce HTML summary pages for all XMM instruments and the Observation Summary file.

1 Instruments/Modes

Instrument	Mode
EPIC	ALL
RGS	ALL
OM	ALL

2 Use

pipeline processing	yes
interactive analysis	no

3 Description

ppssumm will create these five HTML summary pages:

- The observation summary.
- The pipeline processing for this observation.
- The product and processing information for the EPIC instrument.
- The product and processing information for the OM instrument.
- The product and processing information for the RGS instrument.

These will include links to the ACDS generated catalogue summary page.

The task will create multi-section HTML pages with anchors linking some subsections. Subsections will consist of general pipeline processing information observation product information, exposure product

information and source product information. Each page will also link to the several pages created for any other instruments that took data in a given observation, as well as a link to the Observation Data File summary page.

All of the information necessary to create a page will be read from the Observation summary (ascii file) and the Pipeline Processing Summary Index File (see [**?**] for details). Links will be created for any "displayable" pipeline product (PNG , PS & HTML) files. The Observation Summary file is taken from the ODF found via the $SAS_ODF environment variable.

4 Parameters

This section documents the parameters recognized by this task (if any).

Parameter	Mand	Type	Default	Constraints
pindex	yes	dataset	none	valid file name

The Pipeline Processing Summary Index File

obspage	yes	string	none	valid file name

Output observation summary page.

ppspage	yes	string	none	valid file name

Output pipeline processing summary page.

epxpage	yes	string	none	valid file name

Output EPIC instruments processing summary page

omxpage	yes	string	none	valid file name

Output OM instrument processing summary page

rgxpage	yes	string	none	valid file name

Output RGS instrument processing summary page

catpage	yes	string	none	valid file name

ACDS Catalogue summary page.

logofile	no	string	none	valid Image file

XMM logo contained in an image file (GIF or PNG).

fitsum	no	string	none	valid file name

Output FIT formatted observation summary file.

5 Errors

This section documents warnings and errors generated by this task (if any). Note that warnings and errors can also be generated in the SAS infrastructure libraries, in which case they would not be documented here. Refer to the index of all errors and warnings available in the HTML version of the SAS documentation.

SAS_ODFUNDEFINED *(error)*
The $SAS_ODF environment variable is undefined.

DIRNOTFOUND *(error)*
The directory pointed to by $SAS_ODF could not be found.

SUMMARYFILENOTFOUND *(error)*
Could not find an observation summary in the ODF directory.

BADSUMMARYFILE *(error)*
The observation summary file did not contain a required section.

ATTRIBUTENOTFOUND *(error)*
An attempt was made toaccess a missing attrribute.

ColumnAccessOutofBounds *(error)*
Attempt to read beyond the limits of a column.

BadScheduledFlag *(error)*
The scheduled flag contained an unexpected value.

6 Input Files

1. XMM Pipeline Processing Summary File.
2. XMM logo graphic.

7 Output Files

1. Observation HTML summary file.
2. Pipeline processing HTML summary file.
3. EPIC products HTML summary file.
4. OM products HTML summary file.
5. RGS products HTML summary file.

8 Algorithm

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C++ program ppssumm

Convert observation summary file to a temporary FITS file for easy DAL access.
Read Product Index file for data relevant to all PPS HTML pages.

Collect Observation Summary page data.
Collect PPS Summary page data.
Collect EPIC Summary page data.
Collect OM Summary page data.
Collect RGS Summary page data.
Collect PPS Summary page data.
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Create links between pages.

Write Observation Summary page.
Write PPS Summary page.
Write EPIC Summary page.
Write OM Summary page.
Write RGS Summary page.
Write PPS Summary page.

Read_parameters
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9 Comments

The use of compressed and uncompressed FTZ—FIT file formats prevents sensibly linking them.

10 Future developments

The presentation of source level products may make these pages rather large and difficult to present in a sensible way. It may be necessary to break them down further into sub-pages.

References