rudiframetime

January 12, 2017

Abstract

Calculates CCD frametime and deadtime from window data.

1 Instruments/Modes

Instrument	Mode

2 Use

pipeline processing	yes/no
interactive analysis	yes/no

3 Description

The OM CCD frametime and deadtime are dependent on the OM window configuration and are required to correct photometry for deadtime loss and coincidence loss. This task access the window configuration from the OM Priority Window Datat Auxiliary File and returns the OM CCD readout time in milliseconds and the deadtime fraction (deadtime/frametime).

4 Parameters

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

Parameter	Mand	Type	Default	Constraints
wdxset	yes	type	default value	constraints

The OM Priority Window Data Auxiliary 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.

label *(error)*
explanation

label *(warning)*
explanantion
corrective action: this is the corrective action

6 Input Files

1. OM Priority Window Data Auxiliary File

7 Output Files

1. To Screen: OM CCD Frametime and DeadTime fraction.

8 Algorithm

```
Open WDX file

Call getframetime (MSSLLIB SUBROUTINE)

Print OM CCD FRAMETIME and DeadtimeFraction

close WDX file
```

9 Comments

•

References