CCD Commands

Mark Jeffries

December 17, 1996

Contents

General

Starting up

Format: `CCDINIT`

Description: Starts support of the VAX CCD mimic display, updates all the instrument status in the d-task and on the mimic display and logs the d-task on to monitor mode.

Updating status

Format: `CCDUPDATE`

Description: Brings the current status of all the mechanisms in the CCD mimic up to date.

The mimic display

In general, mechanisms and/or values appear in blue on the display when they are moving or changing, in red when they are in an error condition, and in white when they are inactive and healthy. Green can also be used to represent a mechanism that is in use and yellow a light path. The CCD mimic screen is selected by entering the command `SCREEN CCD`.

CCD commands

Starting an exposure

Format:	`CCDRUN` *run_number exposure_time*
Description:	Sets the exposure time and run number then does an exposure of the appropriate length. The CCD is automatically cleared at the start and read out at the end of the exposure.
run_number:	The run number.
exposure_time	The exposure time, between 0 and 16000 seconds.

Stopping an exposure

Format:	`CCDFINISH`
Description:	Stops an exposure and reads out the chip.

Aborting an exposure

Format:	`CCDABORT`
Description:	Stops an exposure without reading out the chip.

Pausing an exposure

Format:	`CCDPAUSE`
Description:	Pauses an exposure by closing the shutter until the restart command is given.

Restarting an exposure

Format:	`CCDRESTART`
Description:	Restarts an exposure that has been paused.

Setting monitor mode

Format:	`CCDMONITOR` *mode*
Description:	Turns monitor mode on or off.
mode	`ON` or `OFF`.