V&V Reference Report
L2 ASCDS Version : 7.6.11.10

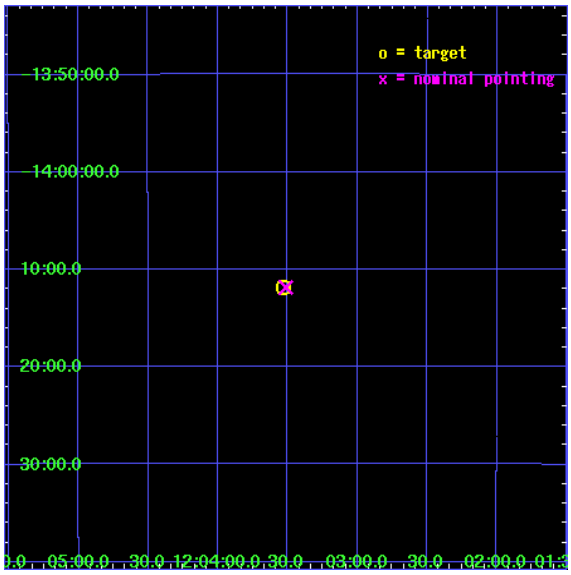
Observation 2488 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Feb 9 2009

Contents

1 Front

seq_num	190008
obs_id	2488
title	ACIS DARK CURRENT CALIBARTION ON DARK MOON
observer	DR. SCOTT WOLK
object	DARK MOON
dtycycle	0
cycle	P
ra_targ	180.882247
dec_targ	-14.197494
ra_nom	180.87830298439
dec_nom	-14.19761668379
roll_nom	239.87458383529
revision	4
ontime	0.0
livetime	0.0
ontime2	0.0
ontime3	0.0
ontime6	0.0
ontime7	0.0
l2events	0

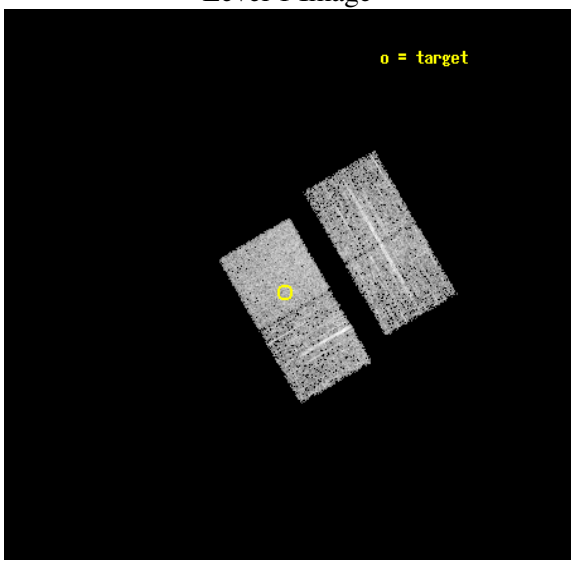


2 OBI

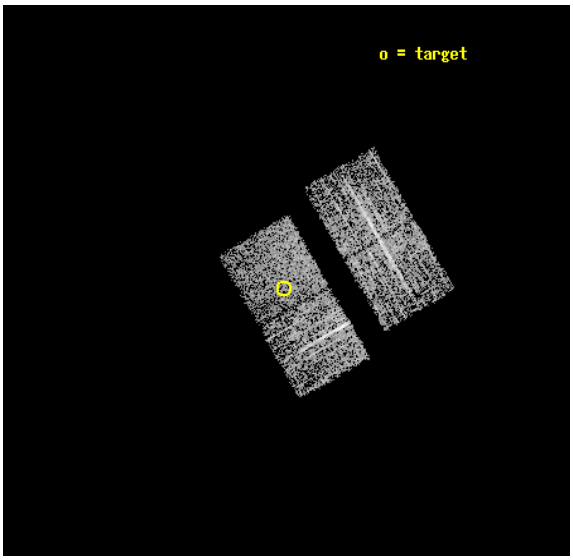
2.1 OBI

2.1.1 Images

Level 1 Image

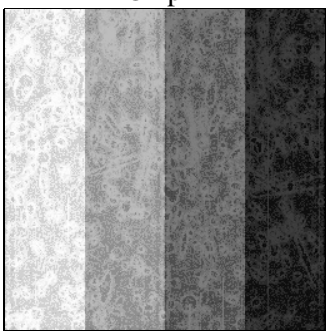


Level 1 Bad Events

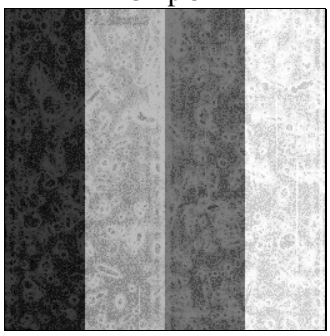


2.1.2 Bias

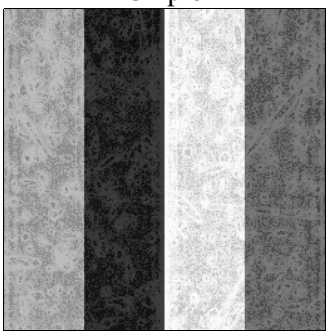
Chip 2



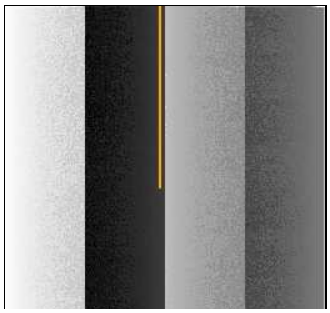
Chip 3



Chip 6



Chip 7



2.1.3 Parameters

obi_num	1
ascdsver	7.6.11.10
caldbver	3.5.1
date	2009-02-09T21:46:05
revision	4

sched_exp_time	3000.000000
ontime	0.0
ontime2	2744.5850945562
ontime3	2735.2031441331
ontime6	2744.6671745479
ontime7	2744.7082145512
l1events	78318

2.1.4 Events

	ccd 2	**ccd 3**	**ccd 6**	**ccd 7**
level 1 events	18442	17950	19090	22836
rejected events	16332	15879	17123	13426
rejected %	88%	88%	89%	58%

	ccd 2	**ccd 3**	**ccd 6**	**ccd 7**
grade 0 events	962	929	743	833
	5%	5%	3%	3%
grade 1 events	9	6	8	34
	0%	0%	0%	0%
grade 2 events	411	356	392	1813
	2%	1%	2%	7%
grade 3 events	193	205	223	842
	1%	1%	1%	3%
grade 4 events	189	198	209	848
	1%	1%	1%	3%
grade 5 events	526	651	784	2201
	2%	3%	4%	9%
grade 6 events	355	383	400	5074
	1%	2%	2%	22%
grade 7 events	15797	15222	16331	11191
	85%	84%	85%	49%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-2367	ACIS-2367
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
Pointing RA	180.8783029843918	180.8783029843918
Pointing Dec	-14.1976166837903	-14.1976166837903
Pointing Roll	239.8745838352942	239.8745838352942
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119
SIM defocus (mm)	0.001444942264670734	0.001444942264670734
SIM translation stage pos (mm)	-190.1400660499	-190.1400660499
SIM translation stage offset (mm)	0.007542945932812017	0.007542945932812017
Observation start time	112507654.5039306	112507654.5039306
Observation start date	2001-07-26T04:06:36	2001-07-26T04:07:34
Observation end time	112510605.479046	112510605.479046
Observation end date	2001-07-26T04:56:36	2001-07-26T04:56:45
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
Primary exposure time	3.1	3.1

2.3 Star Slots

2.4 FID Slots

3 Point Sources

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2009.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.8

A.2 Comments

Charge time is based on Level 1 events because the OBC aspect solution was used (violation of earth angle constraint.) Consequently, there are no Level 2 events and no GTI.

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.