

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3371 - L2 Version 4  
Chandra X-Ray Center

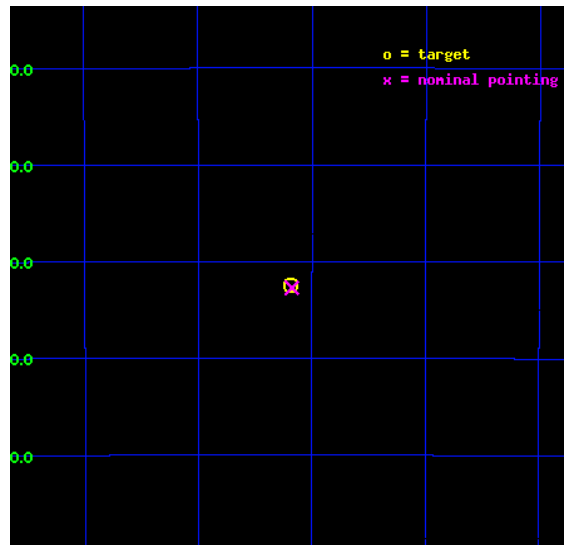
L2 Processing Date : Sep 24 2012

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# 1 Front

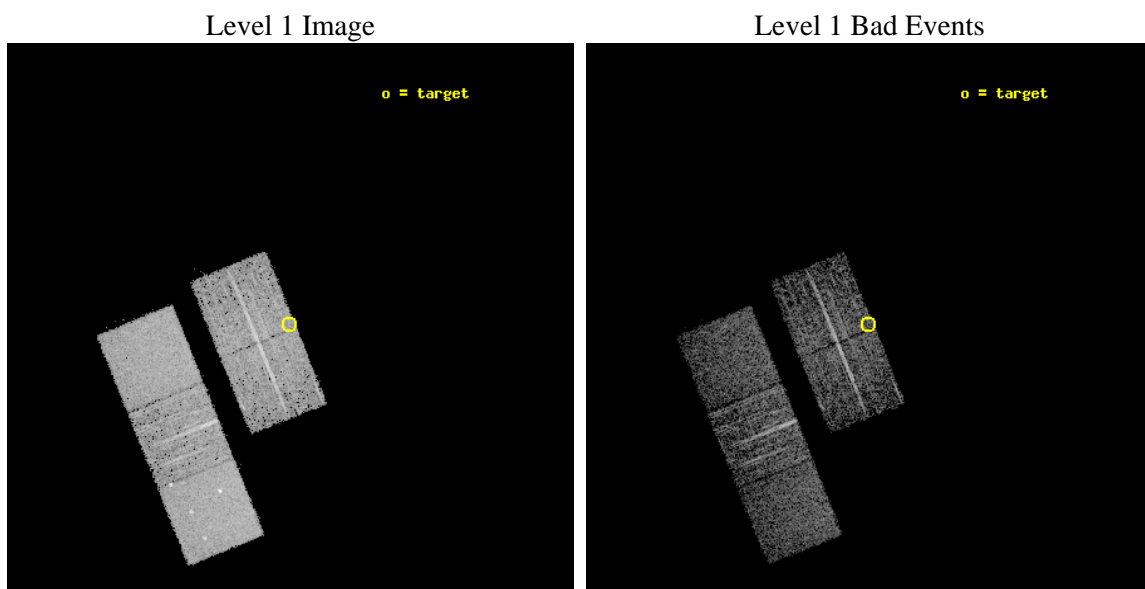
seq_num	190007	Sequence number
obs_id	3371	Observation id
title	ACIS DARK CURRENT CALIBARTION ON DARK MOON	Proposal title
observer	DR. SCOTT WOLK	Principal investigator
object	DARK MOON	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	235.79653	Observer's specified target RA [deg]
dec_targ	-37.53998	Observer's specified target Dec [deg]
ra_nom	235.7942065875	Nominal RA [deg]
dec_nom	-37.545421026533	Nominal Dec [deg]
roll_nom	247.97026586946	Nominal Roll [deg]
revision	4	Processing version of data
ontime	0.0	Sum of GTIs [s]
livetime	0.0	Livetime [s]
ontime2	0.0	Sum of GTIs [s]
ontime3	0.0	Sum of GTIs [s]
ontime5	0.0	Sum of GTIs [s]
ontime6	0.0	Sum of GTIs [s]
ontime7	0.0	Sum of GTIs [s]
l2events	0	Number of level 2 events



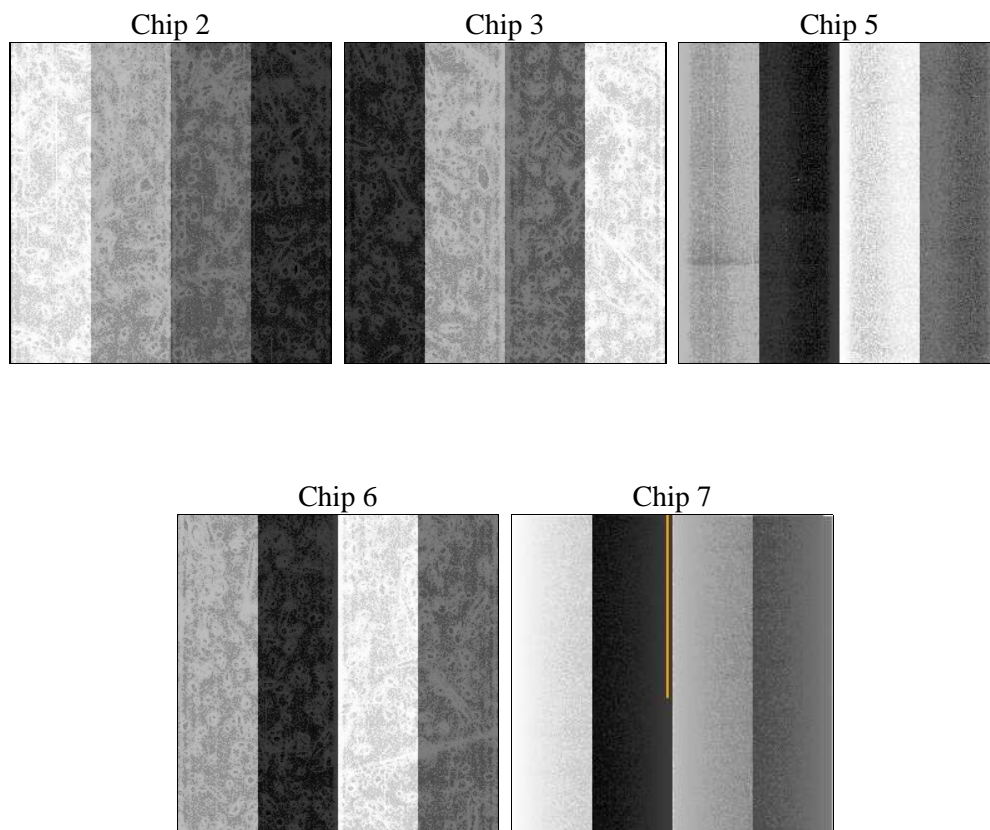
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4014.581000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	0.0	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime2	4070.7346010506	Sum of GTIs [s]
date	2012-09-24T12:03:28	Date and time of file creation	ontime3	4070.734650895	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	4070.7346209735	Sum of GTIs [s]
			ontime6	4073.8756111413	Sum of GTIs [s]
			ontime7	4070.7346309721	Sum of GTIs [s]
			l1events	153684	Number of level 1 events

### 2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	26183	26093	38805	27944	34659
rejected events	23341	23230	20503	24694	20313
rejected %	89%	89%	52%	88%	58%

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	1182	1169	2758	1377	1366
	4%	4%	7%	4%	3%
grade 1 events	12	11	49	8	28
	0%	0%	0%	0%	0%
grade 2 events	589	569	5028	641	2863
	2%	2%	12%	2%	8%
grade 3 events	285	310	740	330	1306
	1%	1%	1%	1%	3%
grade 4 events	276	283	789	305	1245
	1%	1%	2%	1%	3%
grade 5 events	935	1033	2774	1089	3318
	3%	3%	7%	3%	9%
grade 6 events	510	532	8987	597	7566
	1%	2%	23%	2%	21%
grade 7 events	22394	22186	17680	23597	16967
	85%	85%	45%	84%	48%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	235.7942065874989	235.7942065874988	Subarray requested	NONE	NONE
[deg] Pointing Dec	-37.54542102653323	-37.54542102653323	Alternating exposures requested	N	N
[deg] Pointing Roll	247.970265869456	247.970265869456	[s] Primary exposure time	3.1	3.1
[s] Window start time (MET)	117525664.184000	117525664.184000			
[s] Window stop time (MET)	117568864.184000	117568864.184000			
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673			
[mm] SIM defocus	0.001439854621703041	0.001439854621703041			
[mm] SIM translation stage pos	-233.5874344608	-233.5874344608			
[mm] SIM translation stage offset	-0.005028630631784381	-0.005028630631784381			
[s] Observation start time (MET)	117541803.8275756	117541803.8275756			
Observation start date	2001-09-22T10:30:00	2001-09-22T10:30:03			
[s] Observation end time (MET)	117545945.8527394	117545945.8527394			
Observation end date	2001-09-22T11:36:54	2001-09-22T11:39:05			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4

## A.2 Comments

Charge time remains at previous value of 4 ksec. 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.

Window preference met.