

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2489 - L2 Version 4
Chandra X-Ray Center

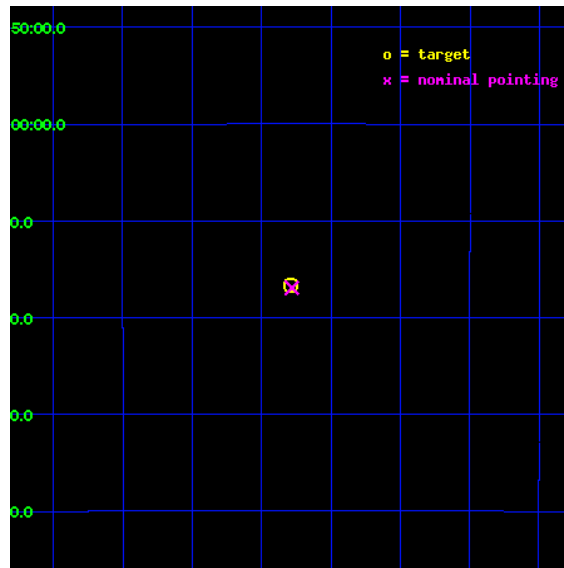
L2 Processing Date : Sep 21 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

1 Front

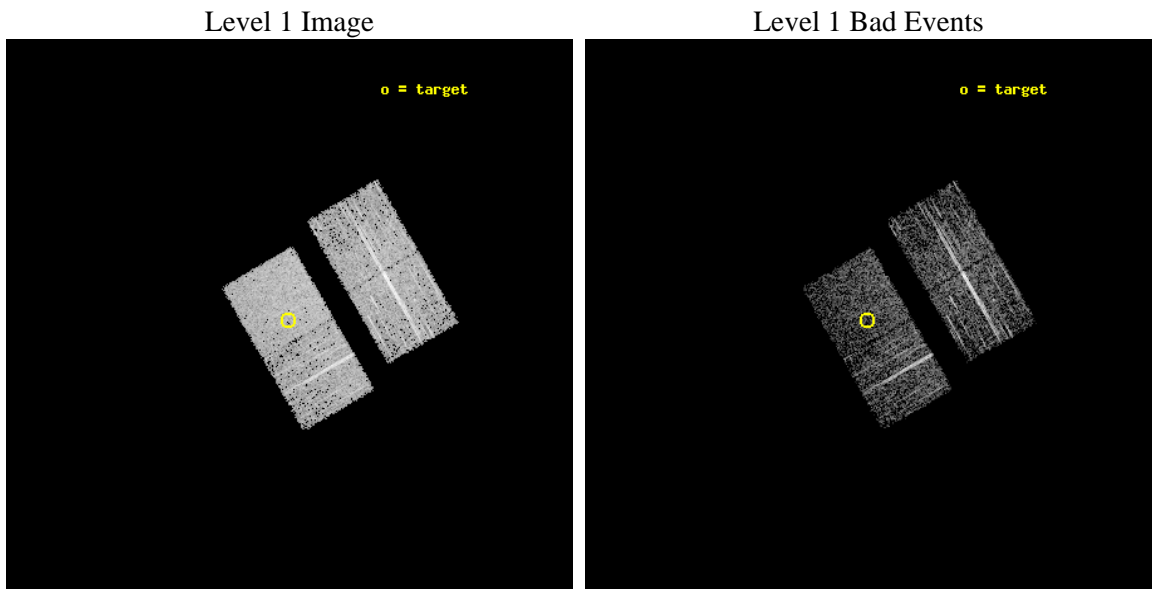
seq_num	190008	Sequence number
obs_id	2489	Observation id
title	ACIS DARK CURRENT CALIBARTION ON DARK MOON	Proposal title
observer	DR. SCOTT WOLK	Principal investigator
object	DARK MOON	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	181.072446	Observer's specified target RA [deg]
dec_targ	-14.278047	Observer's specified target Dec [deg]
ra_nom	181.07032275084	Nominal RA [deg]
dec_nom	-14.282182710533	Nominal Dec [deg]
roll_nom	239.92276088521	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]
ontime6	0.0	Sum of GTIs [s]
ontime7	0.0	Sum of GTIs [s]
l2events	0	Number of level 2 events



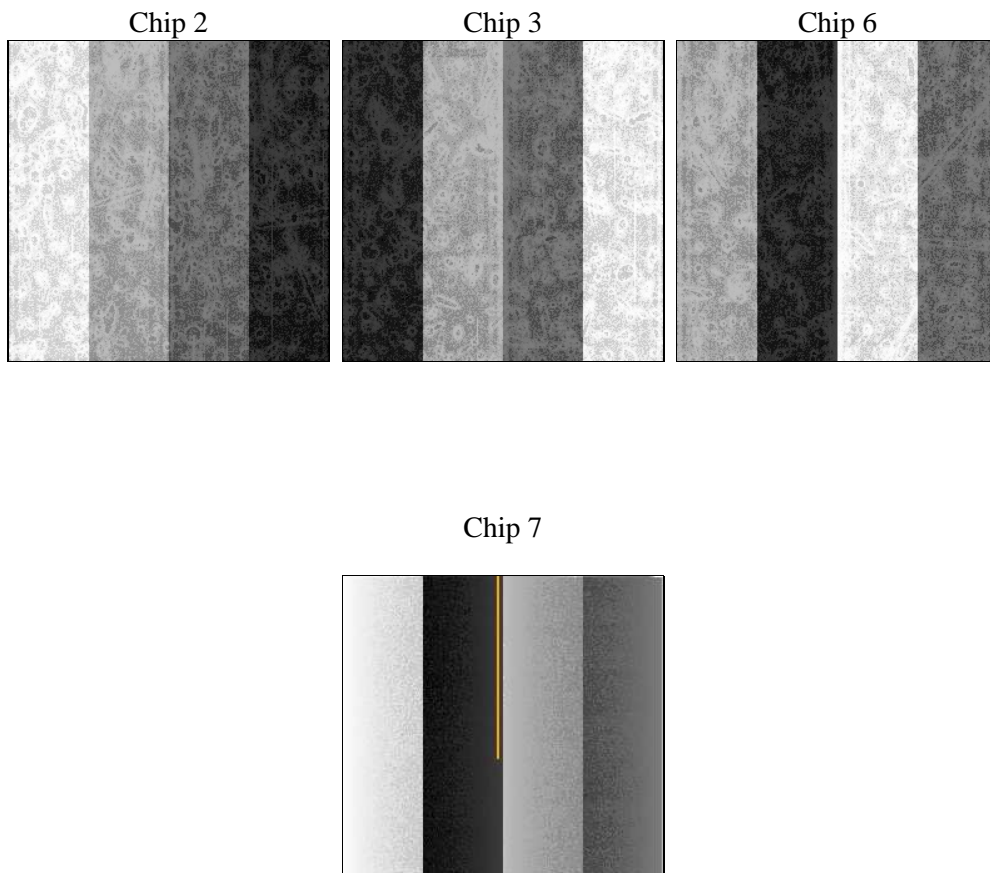
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	0.0	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	3026.9390522093	Sum of GTIs [s]
date	2012-09-21T12:12:16	Date and time of file creation	ontime3	3026.8979923129	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	3029.9979025573	Sum of GTIs [s]
			ontime7	3026.8158823997	Sum of GTIs [s]
			l1events	92758	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	24963	21693	21056	25046
rejected events	22691	19318	18967	14747
rejected %	90%	89%	90%	58%

	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	993	1089	766	838
	3%	5%	3%	3%
grade 1 events	24	15	7	20
	0%	0%	0%	0%
grade 2 events	496	414	428	1946
	1%	1%	2%	7%
grade 3 events	194	228	223	957
	0%	1%	1%	3%
grade 4 events	190	228	226	900
	0%	1%	1%	3%
grade 5 events	572	689	837	2419
	2%	3%	3%	9%
grade 6 events	399	416	446	5658
	1%	1%	2%	22%
grade 7 events	22095	18614	18123	12308
	88%	85%	86%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	181.0703227508444	181.0703227508445	Subarray requested	NONE	NONE
[deg] Pointing Dec	-14.28218271053291	-14.28218271053291	Alternating exposures requested	N	N
[deg] Pointing Roll	239.9227608852054	239.9227608852054	[s] Primary exposure time	3.1	3.1
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119			
[mm] SIM defocus	0.001444942264670734	0.001444942264670734			
[mm] SIM translation stage pos	-190.1400660499	-190.1400660499			
[mm] SIM translation stage offset	0.007542945932812017	0.007542945932812017			
[s] Observation start time (MET)	112510870.9540564	112510870.9540564			
Observation start date	2001-07-26T05:00:36	2001-07-26T05:01:10			
[s] Observation end time (MET)	112513931.6041761	112513931.6041761			
Observation end date	2001-07-26T05:50:36	2001-07-26T05:52:11			
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)	2012.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3

A.2 Comments

Charge time remains at previous value of 3 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.