

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56109 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 30 2012

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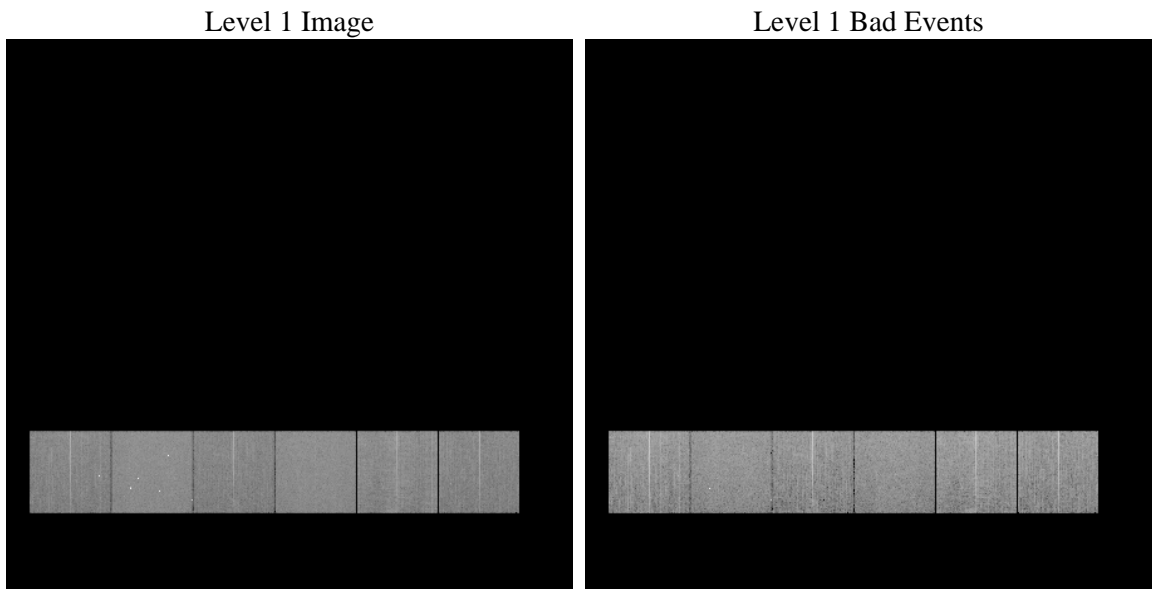
1 Front

seq_num	 	Sequence number
obs_id	56109	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	286.10832772063	Nominal RA [deg]
dec_nom	-4.4025798392845	Nominal Dec [deg]
roll_nom	226.47126739669	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8214.3999694586	Sum of GTIs [s]
livetime	8110.3842909275	Livetime [s]
ontime4	8214.3999694586	Sum of GTIs [s]
ontime5	8214.3999694586	Sum of GTIs [s]
ontime6	8214.3999694586	Sum of GTIs [s]
ontime7	8214.3999694586	Sum of GTIs [s]
ontime8	8214.3999694586	Sum of GTIs [s]
ontime9	8214.3999694586	Sum of GTIs [s]
l2events	412262	Number of level 2 events

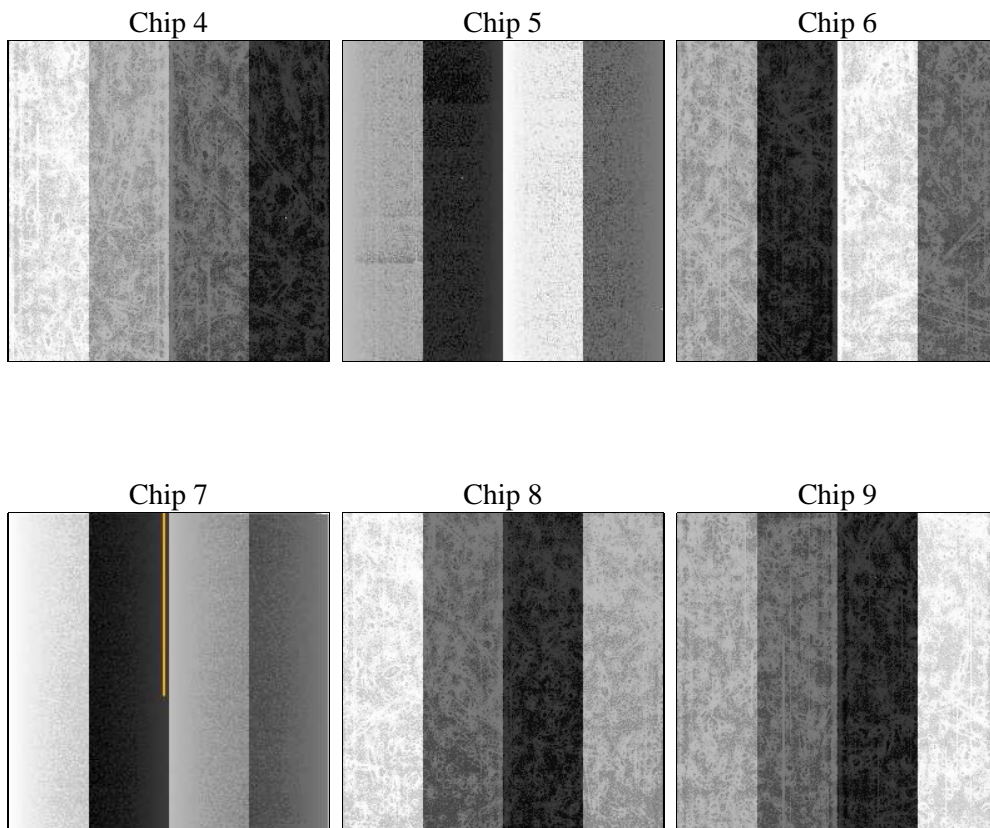
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8214.3999694586	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	8214.3999694586	Sum of GTIs [s]
date	2012-06-30T16:19:10	Date and time of file creation	ontime5	8214.3999694586	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8214.3999694586	Sum of GTIs [s]
			ontime7	8214.3999694586	Sum of GTIs [s]
			ontime8	8214.3999694586	Sum of GTIs [s]
			ontime9	8214.3999694586	Sum of GTIs [s]
			l1events	894043	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	136498	175015	130557	162831	156693	132449	grade 0 events	35318	19197	32508	16831	37300	32362
rejected events	75682	70903	68125	68193	80360	71813		25%	10%	24%	10%	23%	24%
rejected %	55%	40%	52%	41%	51%	54%	grade 1 events	325	352	216	138	224	206
								0%	0%	0%	0%	0%	0%
							grade 2 events	9629	35548	11451	20922	14441	10872
								7%	20%	8%	12%	9%	8%
							grade 3 events	4196	4275	4204	8676	5886	4085
								3%	2%	3%	5%	3%	3%
							grade 4 events	4198	4090	4120	8560	5822	4037
								3%	2%	3%	5%	3%	3%
							grade 5 events	4109	9181	4162	10821	5521	4806
								3%	5%	3%	6%	3%	3%
							grade 6 events	7953	41822	10624	40363	13413	9739
								5%	23%	8%	24%	8%	7%
							grade 7 events	70770	60550	63272	56520	74086	66342
								51%	34%	48%	34%	47%	50%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	286.1083277206299
[deg] Pointing Dec	0	-4.402579839284461
[deg] Pointing Roll	0.0	226.4712673966905
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	396387095.298686	396387095.298686
Observation start date	2010-07-24T19:31:35	2010-07-24T19:31:35
[s] Observation end time (MET)	396396643.663344	396396643.663344
Observation end date	2010-07-24T22:10:44	2010-07-24T22:10:43
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
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
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2143999694586

A.2 Comments