

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60946 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 18 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

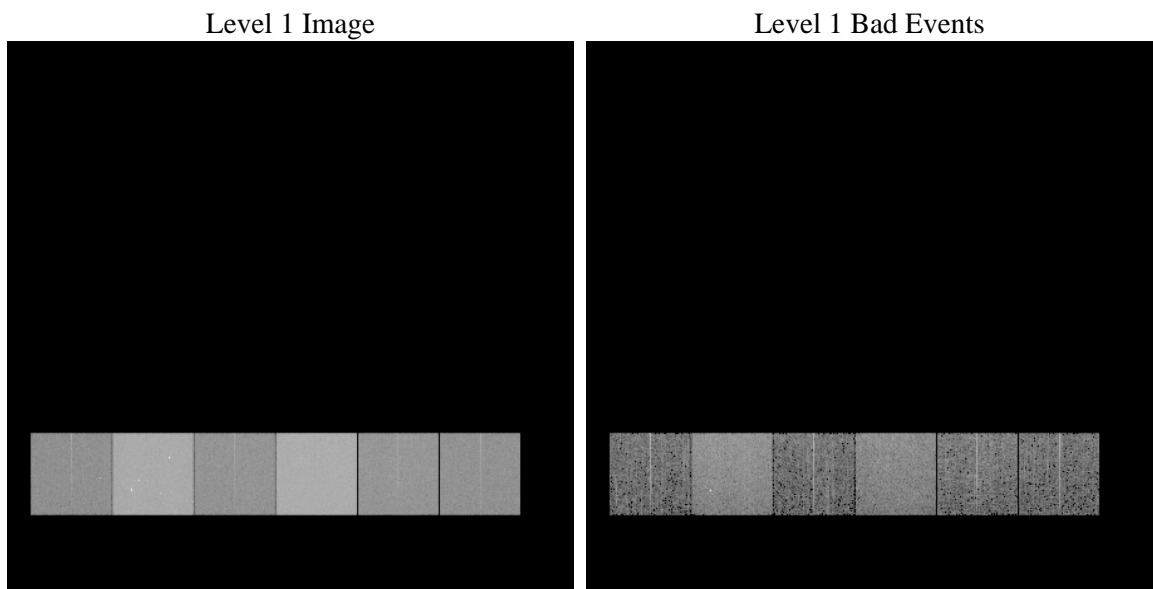
1 Front

seq_num	 	Sequence number
obs_id	60946	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	100.15209000894	Nominal RA [deg]
dec_nom	78.902846514622	Nominal Dec [deg]
roll_nom	141.49224787185	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8460.7999684811	Sum of GTIs [s]
livetime	8353.664224798	Livetime [s]
ontime4	3056.2961891294	Sum of GTIs [s]
ontime5	8460.7999684811	Sum of GTIs [s]
ontime6	3388.6637789905	Sum of GTIs [s]
ontime7	8460.7999684811	Sum of GTIs [s]
ontime8	3531.2117651105	Sum of GTIs [s]
ontime9	3239.5767560005	Sum of GTIs [s]
l2events	1288881	Number of level 2 events

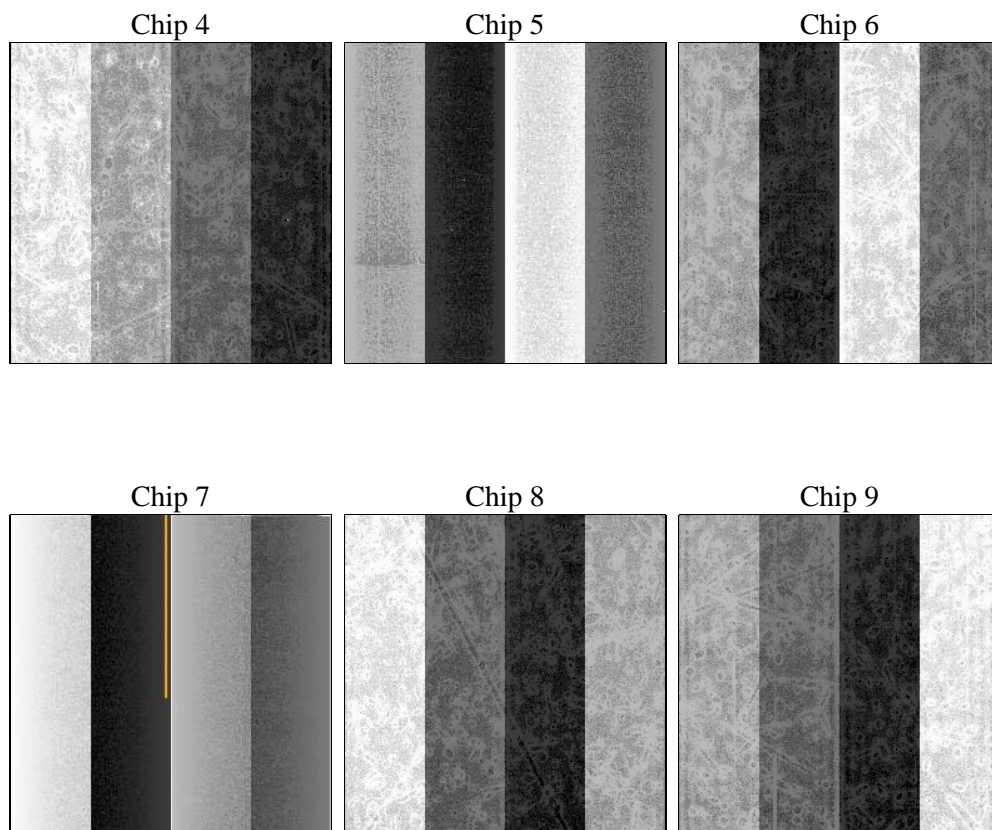
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8460.7999684811	Sum of GTIs [s]
caldbver	4.5.2	 	ontime4	3056.2961891294	Sum of GTIs [s]
date	2012-10-18T04:36:21	Date and time of file creation	ontime5	8460.7999684811	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3388.6637789905	Sum of GTIs [s]
			ontime7	8460.7999684811	Sum of GTIs [s]
			ontime8	3531.2117651105	Sum of GTIs [s]
			ontime9	3239.5767560005	Sum of GTIs [s]
			l1events	1547828	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	156806	405091	181444	441515	194266	168706	grade 0 events	77210	81313	85771	100157	91530	80457
rejected events	23990	56687	23342	44437	27835	22754		49%	20%	47%	22%	47%	47%
rejected %	15%	13%	12%	10%	14%	13%	grade 1 events	571	260	458	259	488	444
								0%	0%	0%	0%	0%	0%
							grade 2 events	21099	126810	27380	87459	28826	24867
								13%	31%	15%	19%	14%	14%
							grade 3 events	8982	21203	9846	40190	10731	9440
								5%	5%	5%	9%	5%	5%
							grade 4 events	8806	20785	9799	40011	10737	9315
								5%	5%	5%	9%	5%	5%
							grade 5 events	1614	9944	1789	8711	2076	1690
								1%	2%	0%	1%	1%	1%
							grade 6 events	16719	98293	25306	129261	24607	21873
								10%	24%	13%	29%	12%	12%
							grade 7 events	21805	46483	21095	35467	25271	20620
								13%	11%	11%	8%	13%	12%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	100.1520900089395	Alternating exposures requested	N	N
[deg] Pointing Dec	0	78.90284651462231	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	141.4922478718466			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	154923814.673357	154923813.64865			
Observation start date	2002-11-29T02:23:35	2002-11-29T02:23:33			
[s] Observation end time (MET)	154946752.124313	154946751.0996			
Observation end date	2002-11-29T08:45:52	2002-11-29T08:45:51			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4607999684811

A.2 Comments