

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 60032 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 9 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

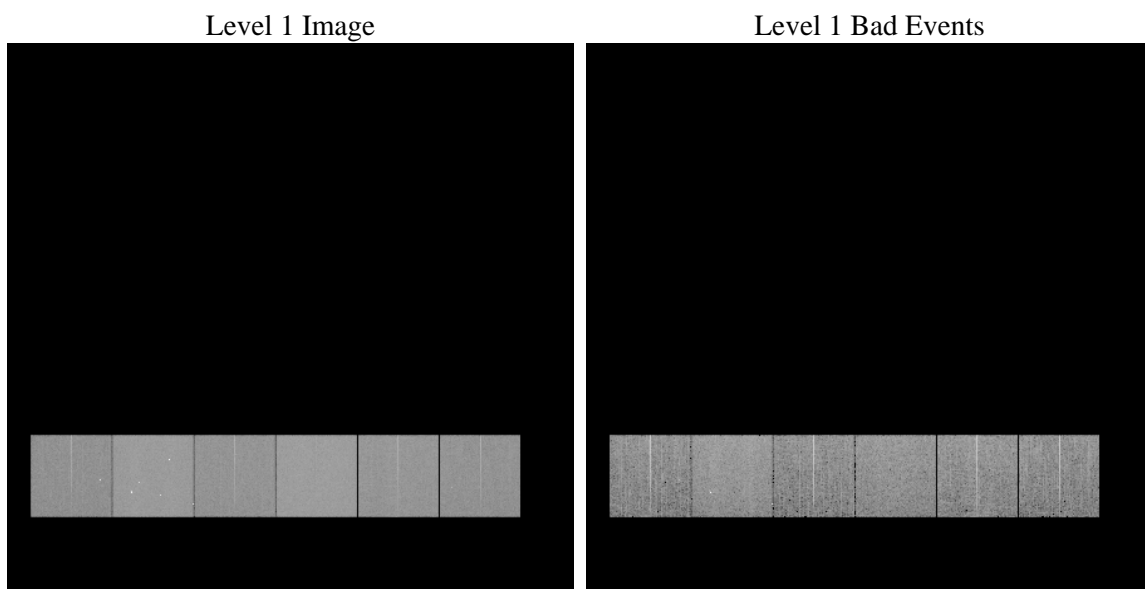
1 Front

seq_num	 	Sequence number
obs_id	60032	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	5.9706814007611	Nominal RA [deg]
dec_nom	9.9978949877205	Nominal Dec [deg]
roll_nom	149.37555408046	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8188.7999694943	Sum of GTIs [s]
livetime	8085.1084535772	Livetime [s]
ontime4	5531.2011620104	Sum of GTIs [s]
ontime5	8188.7999694943	Sum of GTIs [s]
ontime6	6007.6251989603	Sum of GTIs [s]
ontime7	8188.7999694943	Sum of GTIs [s]
ontime8	6250.6980904043	Sum of GTIs [s]
ontime9	5835.8529768884	Sum of GTIs [s]
l2events	1111974	Number of level 2 events

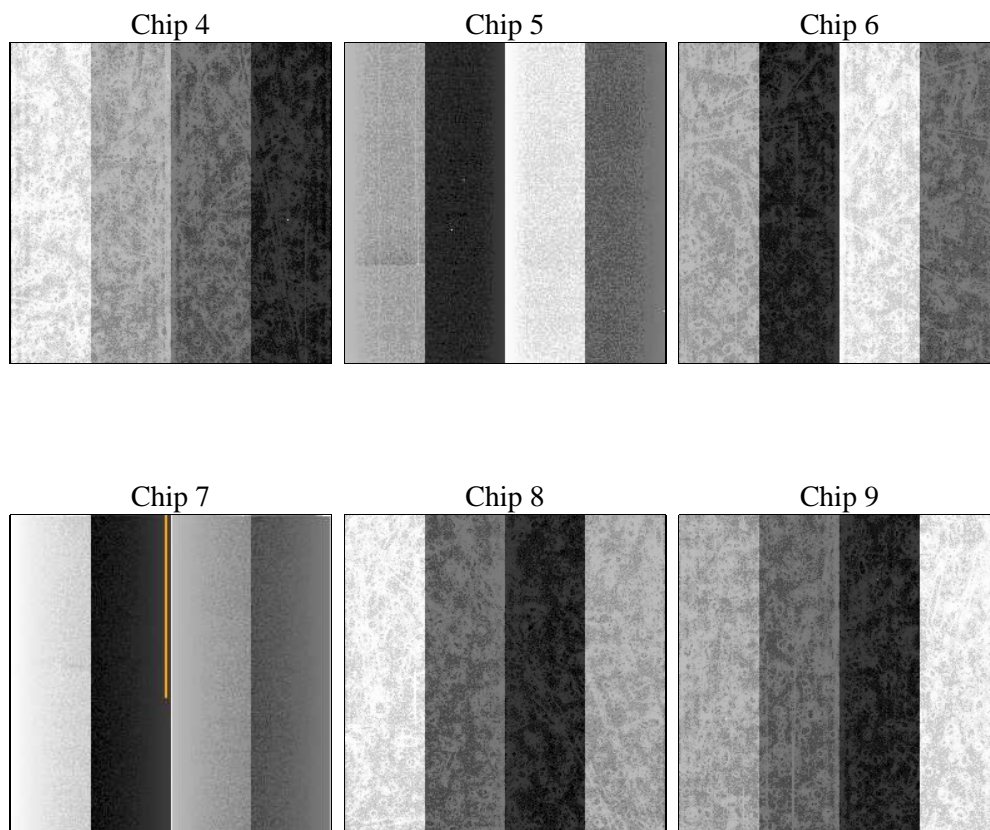
2 OBI

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	8.5	Processing system revision	ontime	8188.7999694943	Sum of GTIs [s]
caldsver	4.5.4	 	ontime4	5531.2011620104	Sum of GTIs [s]
date	2012-12-09T07:21:02	Date and time of file creation	ontime5	8188.7999694943	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	6007.6251989603	Sum of GTIs [s]
			ontime7	8188.7999694943	Sum of GTIs [s]
			ontime8	6250.6980904043	Sum of GTIs [s]
			ontime9	5835.8529768884	Sum of GTIs [s]
			l1events	1497869	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	202378	295870	227154	310571	245444	216452	grade 0 events	92440	47553	98482	62059	105732	94731
rejected events	47232	62782	47629	53098	53538	47036		45%	16%	43%	19%	43%	43%
rejected %	23%	21%	20%	17%	21%	21%	grade 1 events	706	360	479	205	546	546
								0%	0%	0%	0%	0%	0%
							grade 2 events	23394	90971	31620	57250	33803	28710
								11%	30%	13%	18%	13%	13%
							grade 3 events	10642	12247	11088	25740	12391	10946
								5%	4%	4%	8%	5%	5%
							grade 4 events	10334	11669	11101	25278	12680	10844
								5%	3%	4%	8%	5%	5%
							grade 5 events	2593	9193	2954	8900	3585	3041
								1%	3%	1%	2%	1%	1%
							grade 6 events	19971	73147	29211	89992	29369	25765
								9%	24%	12%	28%	11%	11%
							grade 7 events	42298	50730	42219	41147	47338	41869
								20%	17%	18%	13%	19%	19%

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	5.970681400761097	Alternating exposures requested	N	N
[deg] Pointing Dec	0	9.997894987720539	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	149.3755540804625			
[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)	212273048.898843	212273047.87386			
Observation start date	2004-09-22T20:44:09	2004-09-22T20:44:07			
[s] Observation end time (MET)	212296767.399902	212296766.37492			
Observation end date	2004-09-23T03:19:27	2004-09-23T03:19:26			
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)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1887999694943

A.2 Comments