

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 60130 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 6 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

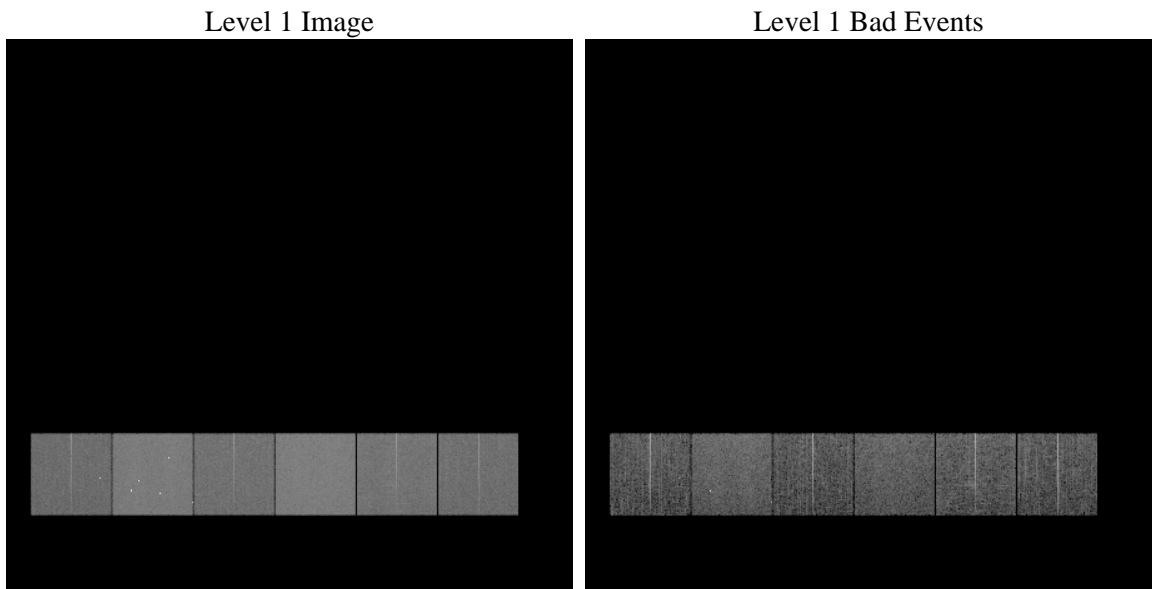
1 Front

seq_num	 	Sequence number
obs_id	60130	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	315.97137254206	Nominal RA [deg]
dec_nom	-0.99579144688718	Nominal Dec [deg]
roll_nom	137.31475690003	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8181.4600596726	Sum of GTIs [s]
livetime	8077.8614861132	Livetime [s]
ontime4	5341.1997883022	Sum of GTIs [s]
ontime5	8181.4190196693	Sum of GTIs [s]
ontime6	5890.0100950301	Sum of GTIs [s]
ontime7	8181.4600596726	Sum of GTIs [s]
ontime8	6113.5563498139	Sum of GTIs [s]
ontime9	5632.8881199956	Sum of GTIs [s]
l2events	1123510	Number of level 2 events

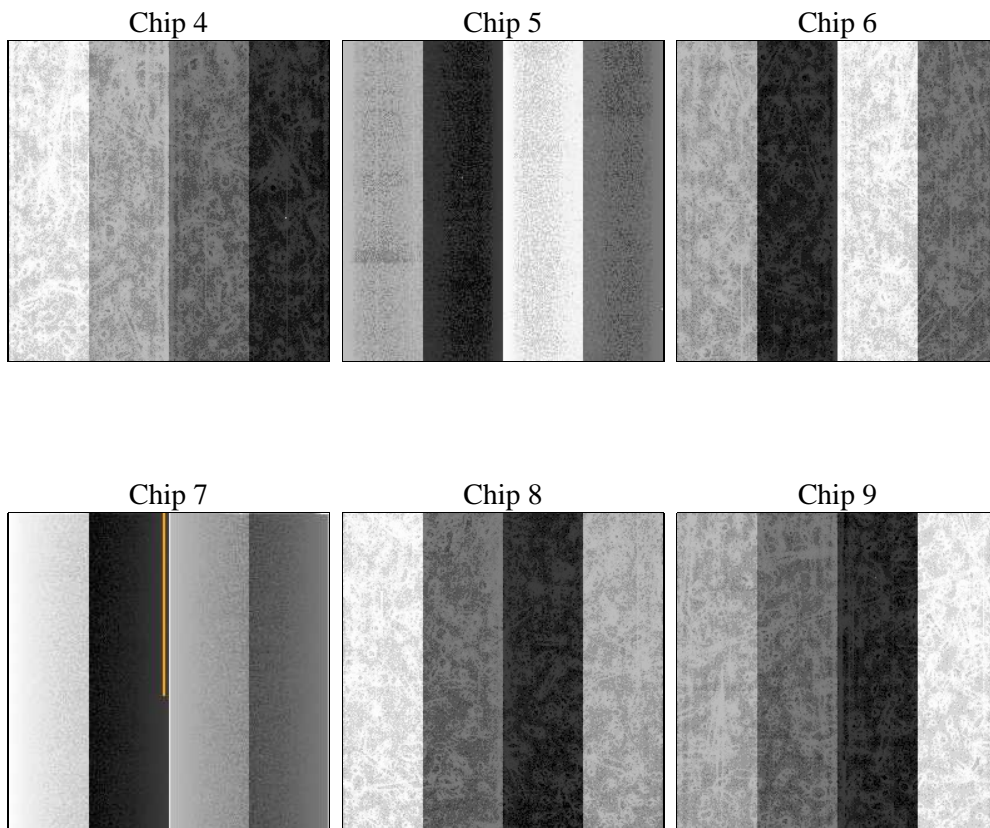
2 OBI

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	8181.4600596726	Sum of GTIs [s]
caldsver	4.5.4	 	ontime4	5341.1997883022	Sum of GTIs [s]
date	2012-12-06T10:23:43	Date and time of file creation	ontime5	8181.4190196693	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5890.0100950301	Sum of GTIs [s]
			ontime7	8181.4600596726	Sum of GTIs [s]
			ontime8	6113.5563498139	Sum of GTIs [s]
			ontime9	5632.8881199956	Sum of GTIs [s]
			l1events	1498589	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	198824	302743	225481	314480	244917	212144	grade 0 events	90563	56236	99780	64231	106128	92979
rejected events	46165	61197	44556	52248	51964	45874		45%	18%	44%	20%	43%	43%
rejected %	23%	20%	19%	16%	21%	21%	grade 1 events	703	264	511	200	558	592
								0%	0%	0%	0%	0%	0%
							grade 2 events	24454	88412	31556	58197	34550	28680
								12%	29%	13%	18%	14%	13%
							grade 3 events	10223	13767	11403	26326	12826	10890
								5%	4%	5%	8%	5%	5%
							grade 4 events	10248	13518	11369	26147	12851	10642
								5%	4%	5%	8%	5%	5%
							grade 5 events	2522	9174	2872	8792	3569	3082
								1%	3%	1%	2%	1%	1%
							grade 6 events	19562	72588	28939	90546	28975	24956
								9%	23%	12%	28%	11%	11%
							grade 7 events	40549	48784	39051	40041	45460	40323
								20%	16%	17%	12%	18%	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	315.9713725420576	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-0.9957914468871762	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	137.3147569000259			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	206334813.634416	206334812.60945			
Observation start date	2004-07-16T03:13:34	2004-07-16T03:13:32			
[s] Observation end time (MET)	206356781.43539	206356780.41043			
Observation end date	2004-07-16T09:19:41	2004-07-16T09:19:40			
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)	2012.12.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1814600596726

A.2 Comments