

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57311 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 1 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

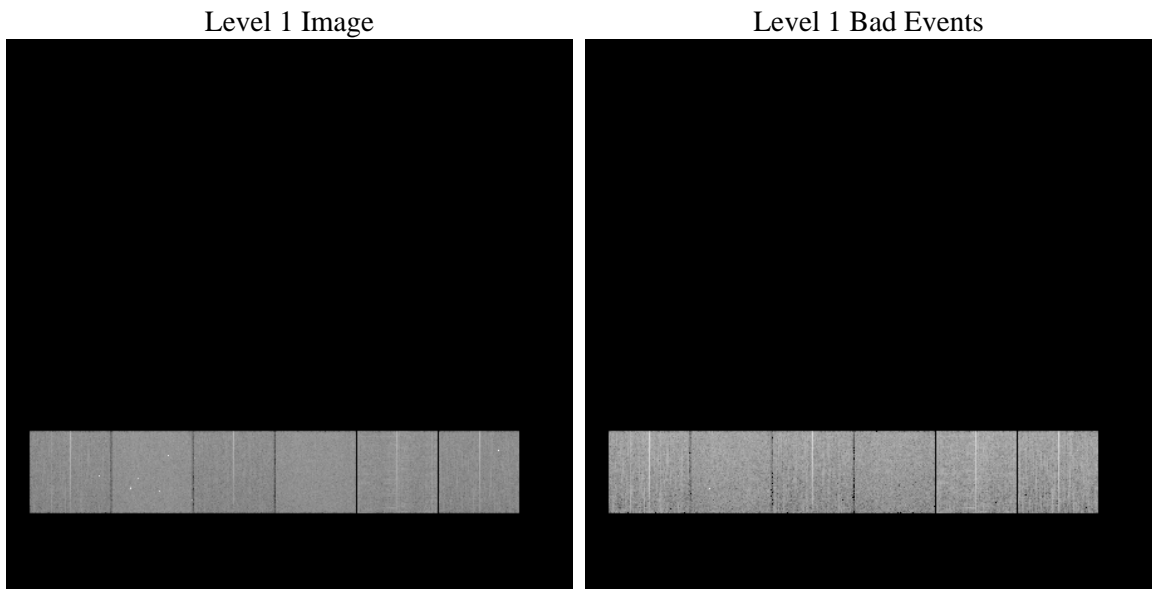
1 Front

seq_num	 	Sequence number
obs_id	57311	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	157.16448746189	Nominal RA [deg]
dec_nom	36.198742845723	Nominal Dec [deg]
roll_nom	149.63886837391	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6021.4672469497	Sum of GTIs [s]
livetime	5945.2198029765	Livetime [s]
ontime4	6021.3441269398	Sum of GTIs [s]
ontime5	6021.4262069464	Sum of GTIs [s]
ontime6	6021.3851669431	Sum of GTIs [s]
ontime7	6021.4672469497	Sum of GTIs [s]
ontime8	6021.3030869365	Sum of GTIs [s]
ontime9	6021.508286953	Sum of GTIs [s]
l2events	403224	Number of level 2 events

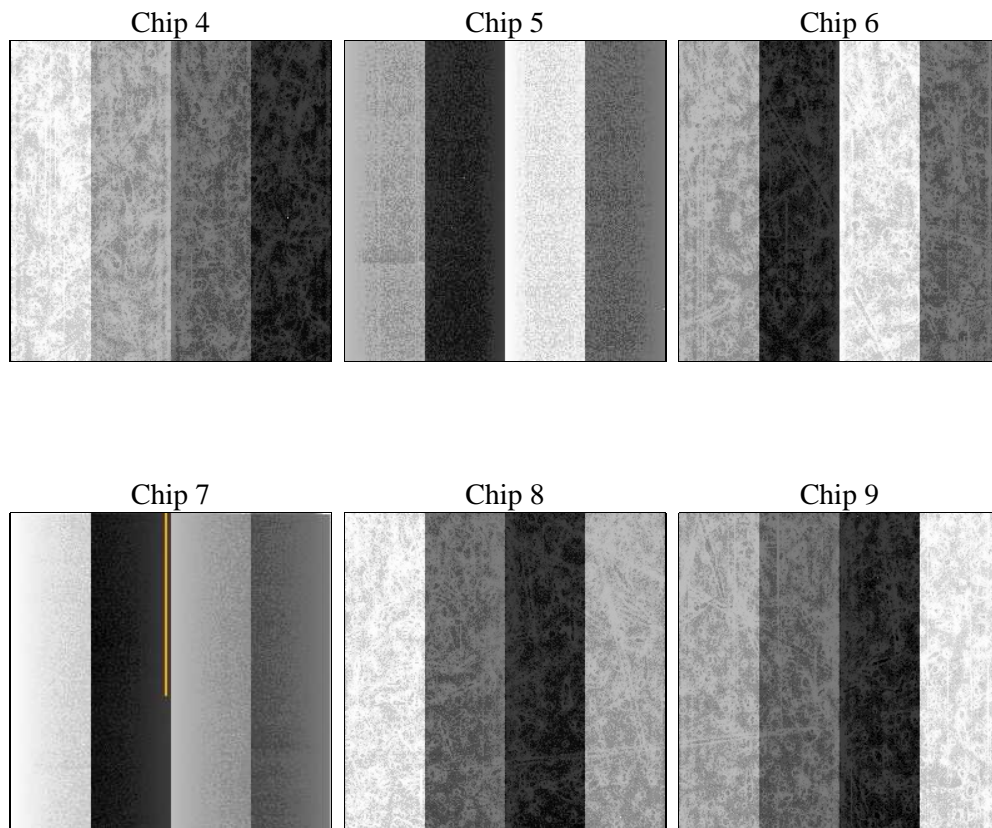
2 OBI

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	8.4.4	Processing system revision	ontime	6021.4672469497	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	6021.3441269398	Sum of GTIs [s]
date	2012-06-01T10:40:12	Date and time of file creation	ontime5	6021.4262069464	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6021.3851669431	Sum of GTIs [s]
			ontime7	6021.4672469497	Sum of GTIs [s]
			ontime8	6021.3030869365	Sum of GTIs [s]
			ontime9	6021.508286953	Sum of GTIs [s]
			l1events	791115	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	121160	146635	118993	141231	139167	123929	grade 0 events	34930	16092	33217	17125	36707	32836
rejected events	60396	54681	55455	51339	65178	60505		28%	10%	27%	12%	26%	26%
rejected %	49%	37%	46%	36%	46%	48%	grade 1 events	339	451	219	109	240	243
								0%	0%	0%	0%	0%	0%
							grade 2 events	9631	31722	11316	19470	13796	12557
								7%	21%	9%	13%	9%	10%
							grade 3 events	4211	4368	4259	8593	5462	4227
								3%	2%	3%	6%	3%	3%
							grade 4 events	4227	4285	4196	8485	5324	4096
								3%	2%	3%	6%	3%	3%
							grade 5 events	3197	7508	3381	8464	4298	3729
								2%	5%	2%	5%	3%	3%
							grade 6 events	7765	35487	10550	36219	12700	9708
								6%	24%	8%	25%	9%	7%
							grade 7 events	56860	46722	51855	42766	60640	56533
								46%	31%	43%	30%	43%	45%

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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	157.1644874618878	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	36.19874284572325	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	149.6388683739129	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	350687670.947604	350687669.92259			
Observation start date	2009-02-10T21:14:31	2009-02-10T21:14:29			
[s] Observation end time (MET)	350704267.748428	350704266.72342			
Observation end date	2009-02-11T01:51:08	2009-02-11T01:51:06			
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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0214672469497

A.2 Comments