

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 57100 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 7 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

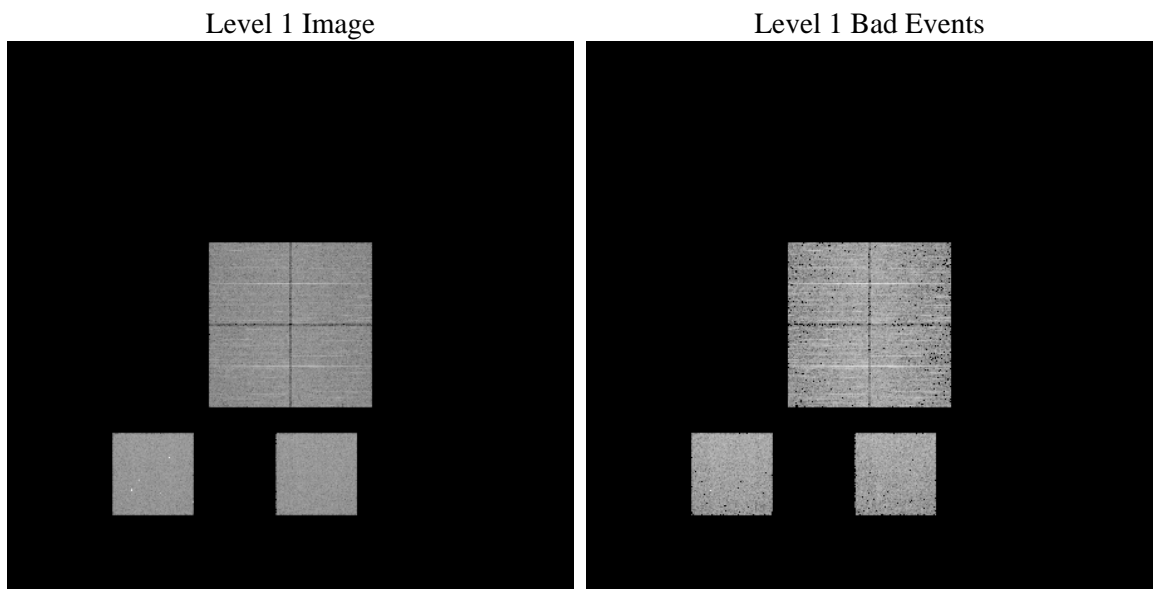
1 Front

seq_num	 	Sequence number
obs_id	57100	Observation id
title	ACIS-012357 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	210.03850685729	Nominal RA [deg]
dec_nom	-18.030101177944	Nominal Dec [deg]
roll_nom	261.43463697998	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3270.3999878764	Sum of GTIs [s]
livetime	3228.9882140315	Livetime [s]
ontime0	3270.3999878764	Sum of GTIs [s]
ontime1	3270.3999878764	Sum of GTIs [s]
ontime2	3270.3999878764	Sum of GTIs [s]
ontime3	3270.3999878764	Sum of GTIs [s]
ontime5	3270.3999878764	Sum of GTIs [s]
ontime7	3270.3999878764	Sum of GTIs [s]
l2events	208428	Number of level 2 events

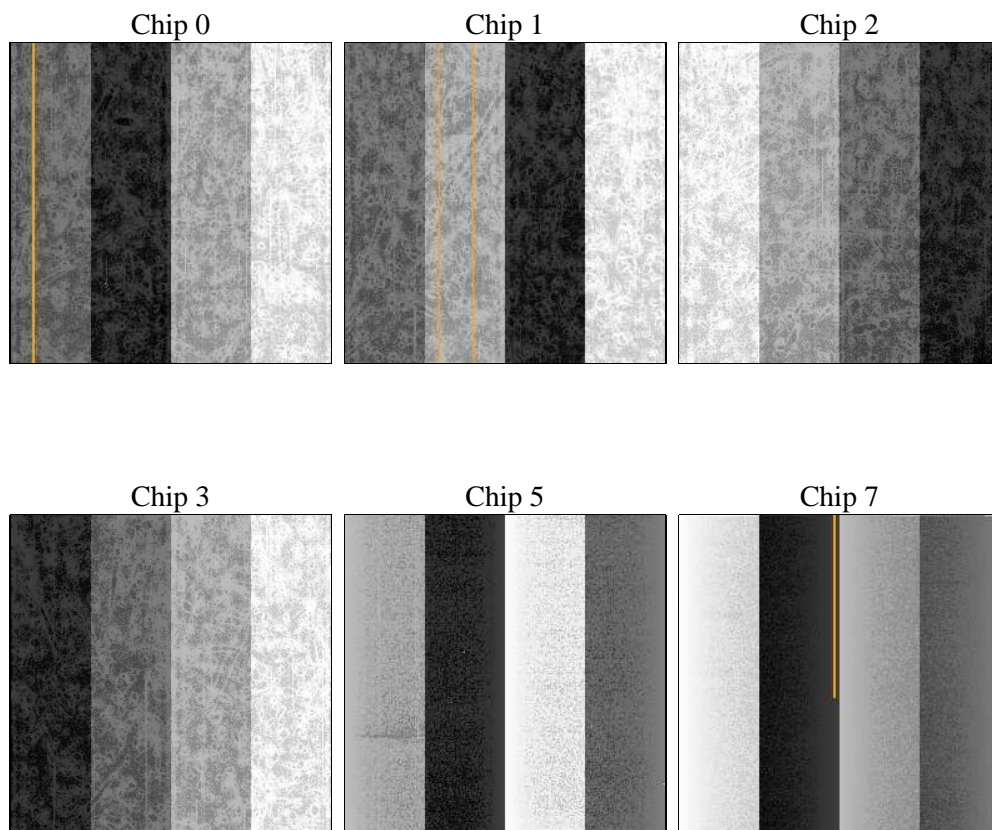
2 OBI

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	3270.3999878764	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	3270.3999878764	Sum of GTIs [s]
date	2012-06-07T16:20:13	Date and time of file creation	ontime1	3270.3999878764	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3270.3999878764	Sum of GTIs [s]
			ontime3	3270.3999878764	Sum of GTIs [s]
			ontime5	3270.3999878764	Sum of GTIs [s]
			ontime7	3270.3999878764	Sum of GTIs [s]
			l1events	396683	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	59788	59358	62299	61519	78125	75594	grade 0 events	16716	16376	16775	17391	7753	8750
rejected events	28737	28114	31375	29884	29564	28779		27%	27%	26%	28%	9%	11%
rejected %	48%	47%	50%	48%	37%	38%	grade 1 events	136	135	145	155	270	55
								0%	0%	0%	0%	0%	0%
							grade 2 events	5545	5856	5295	5514	17169	10262
								9%	9%	8%	8%	21%	13%
							grade 3 events	2052	2061	2150	2165	2270	4356
								3%	3%	3%	3%	2%	5%
							grade 4 events	2083	2106	2137	2131	2162	4341
								3%	3%	3%	3%	2%	5%
							grade 5 events	1672	1764	1517	1827	4076	4665
								2%	2%	2%	2%	5%	6%
							grade 6 events	4696	4890	4591	4472	19250	19163
								7%	8%	7%	7%	24%	25%
							grade 7 events	26888	26170	29689	27864	25175	24002
								44%	44%	47%	45%	32%	31%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	210.0385068572914	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-18.03010117794399	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	261.4346369799752	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	359145895.518227	359145894.49321			
Observation start date	2009-05-19T18:44:56	2009-05-19T18:44:54			
[s] Observation end time (MET)	359150971.31848	359150970.29346			
Observation end date	2009-05-19T20:09:31	2009-05-19T20:09:30			
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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2703999878764

A.2 Comments