

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57521 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 23 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

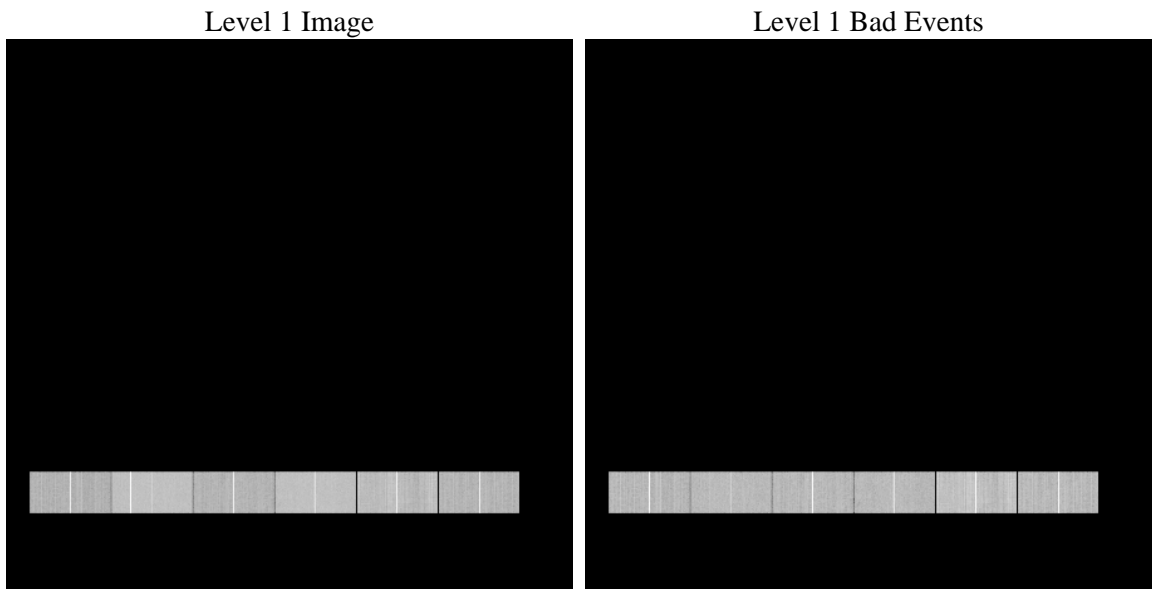
1 Front

seq_num	 	Sequence number
obs_id	57521	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	57.963950395661	Nominal RA [deg]
dec_nom	37.251391937817	Nominal Dec [deg]
roll_nom	144.32795350431	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9340.5	Sum of GTIs [s]
livetime	9304.013671875	Livetime [s]
ontime4	5389.7579838634	Sum of GTIs [s]
ontime5	9340.5	Sum of GTIs [s]
ontime6	5890.2584985495	Sum of GTIs [s]
ontime7	9340.5	Sum of GTIs [s]
ontime8	5982.1872816682	Sum of GTIs [s]
ontime9	5810.0029241443	Sum of GTIs [s]
l2events	405081	Number of level 2 events

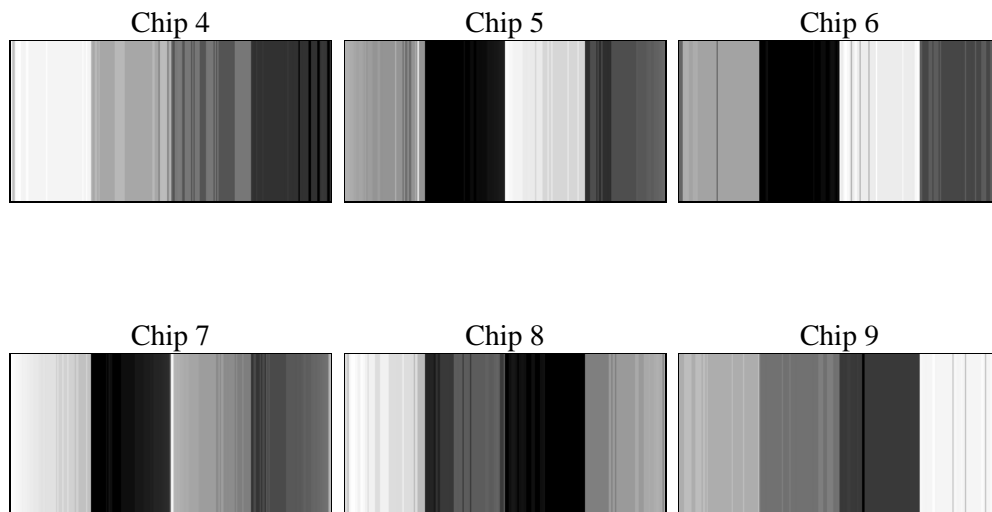
2 OBI

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	9340.5	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	5389.7579838634	Sum of GTIs [s]
date	2012-05-23T15:22:15	Date and time of file creation	ontime5	9340.5	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5890.2584985495	Sum of GTIs [s]
			ontime7	9340.5	Sum of GTIs [s]
			ontime8	5982.1872816682	Sum of GTIs [s]
			ontime9	5810.0029241443	Sum of GTIs [s]
			l1events	1603194	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	209414	344676	223673	309433	290001	225997	grade 0 events	6070	37045	5893	19111	12050	6497
rejected events	177924	168073	183824	169503	240412	187787		2%	10%	2%	6%	4%	2%
rejected %	84%	48%	82%	54%	82%	83%	grade 1 events	98	200	62	208	145	76
								0%	0%	0%	0%	0%	0%
							grade 2 events	33486	69687	38178	42541	40978	36198
								15%	20%	17%	13%	14%	16%
							grade 3 events	1738	3223	1725	8901	3273	1669
								0%	0%	0%	2%	1%	0%
							grade 4 events	1799	3189	1722	8850	3219	1761
								0%	0%	0%	2%	1%	0%
							grade 5 events	2841	10581	3001	12358	4195	3241
								1%	3%	1%	3%	1%	1%
							grade 6 events	10543	63567	13720	60613	16546	13107
								5%	18%	6%	19%	5%	5%
							grade 7 events	152839	157184	159372	156851	209595	163448
								72%	45%	71%	50%	72%	72%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	57.96395039566069	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	37.25139193781739	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	144.3279535043055	[s] Primary exposure time	0	0
[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)	342495913.592521	342495912.56751			
Observation start date	2008-11-08T01:45:14	2008-11-08T01:45:12			
[s] Observation end time (MET)	342517830.143602	342517829.11859			
Observation end date	2008-11-08T07:50:30	2008-11-08T07:50:29			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.3405

A.2 Comments