

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60752 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 27 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

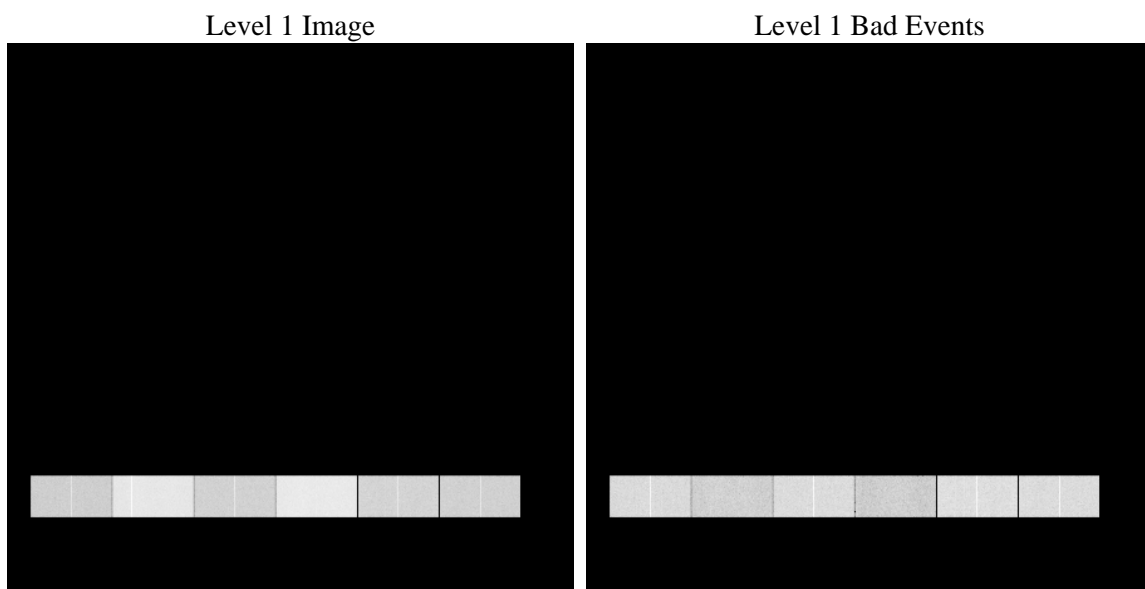
1 Front

seq_num	 	Sequence number
obs_id	60752	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	243.97999655403	Nominal RA [deg]
dec_nom	-12.979061673031	Nominal Dec [deg]
roll_nom	100.02809826545	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9487.75	Sum of GTIs [s]
livetime	9450.6884765625	Livetime [s]
ontime4	3703.5785601139	Sum of GTIs [s]
ontime5	9487.75	Sum of GTIs [s]
ontime6	4053.0553570092	Sum of GTIs [s]
ontime7	9487.75	Sum of GTIs [s]
ontime8	4149.3614019156	Sum of GTIs [s]
ontime9	4013.6570572853	Sum of GTIs [s]
l2events	920252	Number of level 2 events

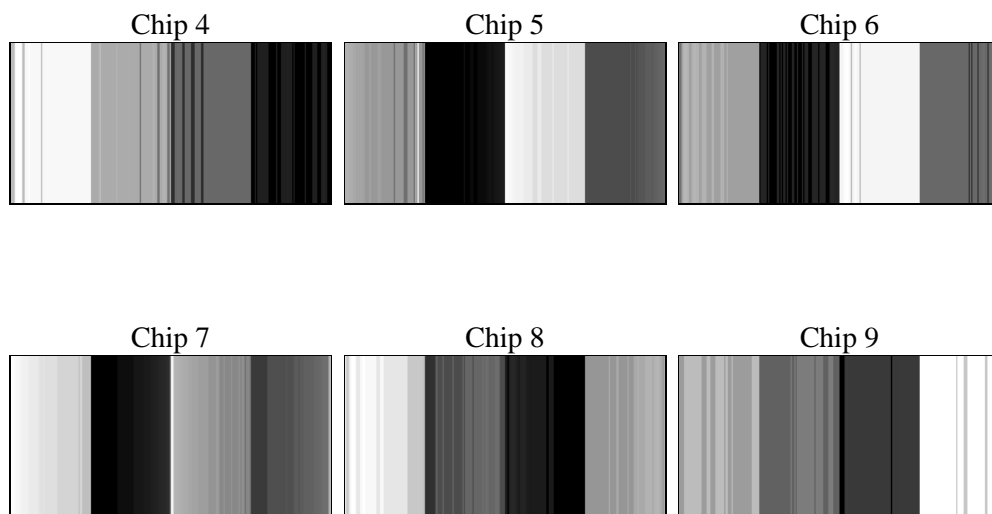
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9487.75	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	3703.5785601139	Sum of GTIs [s]
date	2012-10-27T16:55:57	Date and time of file creation	ontime5	9487.75	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4053.0553570092	Sum of GTIs [s]
			ontime7	9487.75	Sum of GTIs [s]
			ontime8	4149.3614019156	Sum of GTIs [s]
			ontime9	4013.6570572853	Sum of GTIs [s]
			l1events	1668155	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	176967	424829	198153	461020	215110	192076	grade 0 events	14292	44311	12801	86395	20177	14448
rejected events	122709	85591	129495	78129	143246	129585		8%	10%	6%	18%	9%	7%
rejected %	69%	20%	65%	16%	66%	67%	grade 1 events	99	168	52	257	117	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	83108	159859	98491	100250	96949	92652
								46%	37%	49%	21%	45%	48%
							grade 3 events	2081	10969	1861	34030	2974	1906
								1%	2%	0%	7%	1%	0%
							grade 4 events	2084	10816	1822	33553	3040	2101
								1%	2%	0%	7%	1%	1%
							grade 5 events	2116	9970	1939	10745	2203	1932
								1%	2%	0%	2%	1%	1%
							grade 6 events	25609	115039	33176	130546	32668	30693
								14%	27%	16%	28%	15%	15%
							grade 7 events	47578	73697	48011	65244	56982	48258
								26%	17%	24%	14%	26%	25%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	CC33_FAINT	CC33_FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	243.979996554027
[deg] Pointing Dec	0	-12.97906167303096
[deg] Pointing Roll	0.0	100.0280982654486
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	168402817.389457	168402816.36472
Observation start date	2003-05-04T02:33:37	2003-05-04T02:33:36
[s] Observation end time (MET)	168427427.640499	168427426.61576
Observation end date	2003-05-04T09:23:48	2003-05-04T09:23:46
Read mode	CONTINUOUS	CONTINUOUS

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.48775

A.2 Comments