

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61156 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 10 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

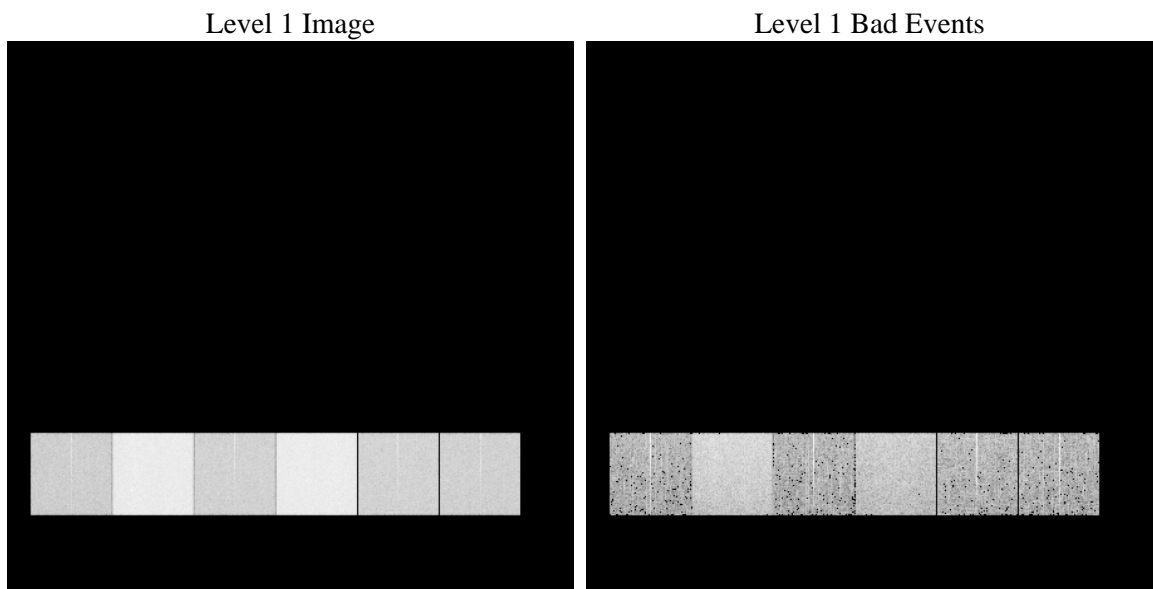
1 Front

seq_num	 	Sequence number
obs_id	61156	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	146.99849088596	Nominal RA [deg]
dec_nom	-23.028575873064	Nominal Dec [deg]
roll_nom	234.41680797242	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7789.9219414294	Sum of GTIs [s]
livetime	7691.2812592791	Livetime [s]
ontime4	2805.2908444703	Sum of GTIs [s]
ontime5	8402.4627534747	Sum of GTIs [s]
ontime6	3022.4403743148	Sum of GTIs [s]
ontime7	7789.9219414294	Sum of GTIs [s]
ontime8	3084.7587943971	Sum of GTIs [s]
ontime9	2951.6709547937	Sum of GTIs [s]
l2events	1316591	Number of level 2 events

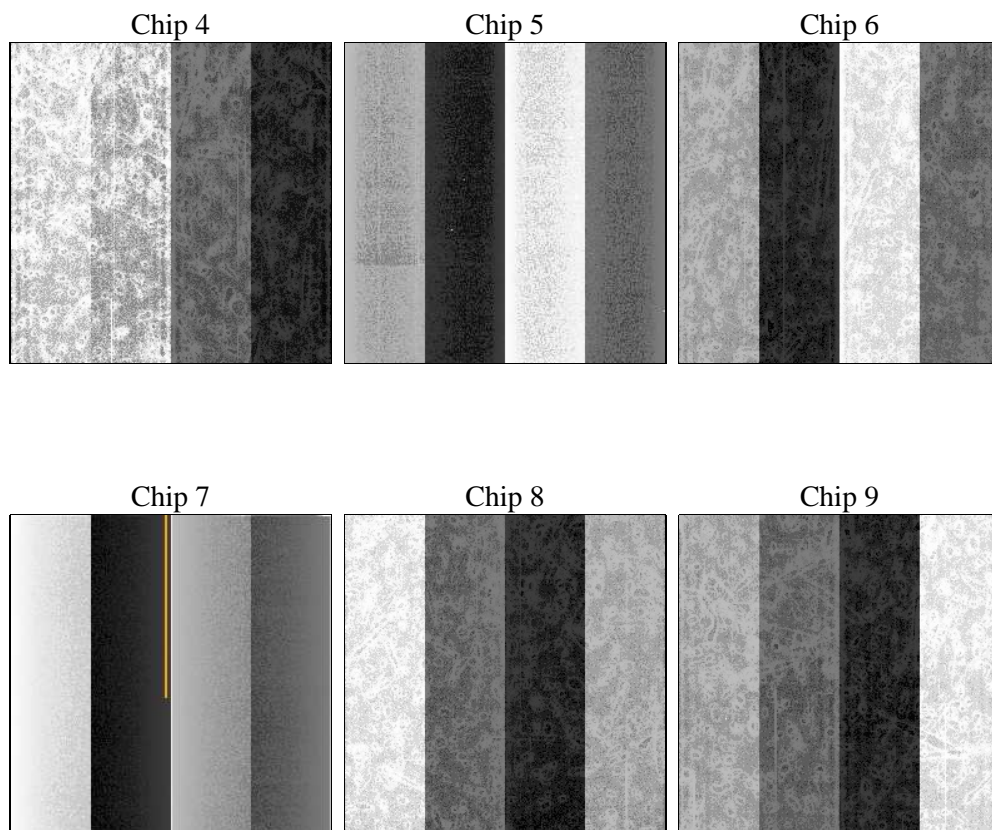
2 OBI

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	7789.9219414294	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	2805.2908444703	Sum of GTIs [s]
date	2012-10-10T03:18:23	Date and time of file creation	ontime5	8402.4627534747	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3022.4403743148	Sum of GTIs [s]
			ontime7	7789.9219414294	Sum of GTIs [s]
			ontime8	3084.7587943971	Sum of GTIs [s]
			ontime9	2951.6709547937	Sum of GTIs [s]
			l1events	1565587	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	156724	433728	179065	442260	184716	169094	grade 0 events	75476	86116	85428	100706	87871	79545
rejected events	23005	58526	22850	41967	25554	23034		48%	19%	47%	22%	47%	47%
rejected %	14%	13%	12%	9%	13%	13%	grade 1 events	419	288	377	256	426	378
								0%	0%	0%	0%	0%	0%
							grade 2 events	23774	137157	26874	88323	28027	25962
								15%	31%	15%	19%	15%	15%
							grade 3 events	8263	23358	9477	40473	10070	9117
								5%	5%	5%	9%	5%	5%
							grade 4 events	8190	22794	9712	39957	9906	8953
								5%	5%	5%	9%	5%	5%
							grade 5 events	1400	10537	1524	8376	1910	1571
								0%	2%	0%	1%	1%	0%
							grade 6 events	18016	105777	24724	130834	23288	22483
								11%	24%	13%	29%	12%	13%
							grade 7 events	21186	47701	20949	33335	23218	21085
								13%	10%	11%	7%	12%	12%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	146.9984908859582
[deg] Pointing Dec	0	-23.02857587306355
[deg] Pointing Roll	0.0	234.4168079724242
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	140985679.59749	140985678.57278
Observation start date	2002-06-20T18:41:20	2002-06-20T18:41:18
[s] Observation end time (MET)	141006989.348362	141006988.32365
Observation end date	2002-06-21T00:36:29	2002-06-21T00:36:28
Read mode	TIMED	TIMED

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	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7899219414294

A.2 Comments