

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60977 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 16 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

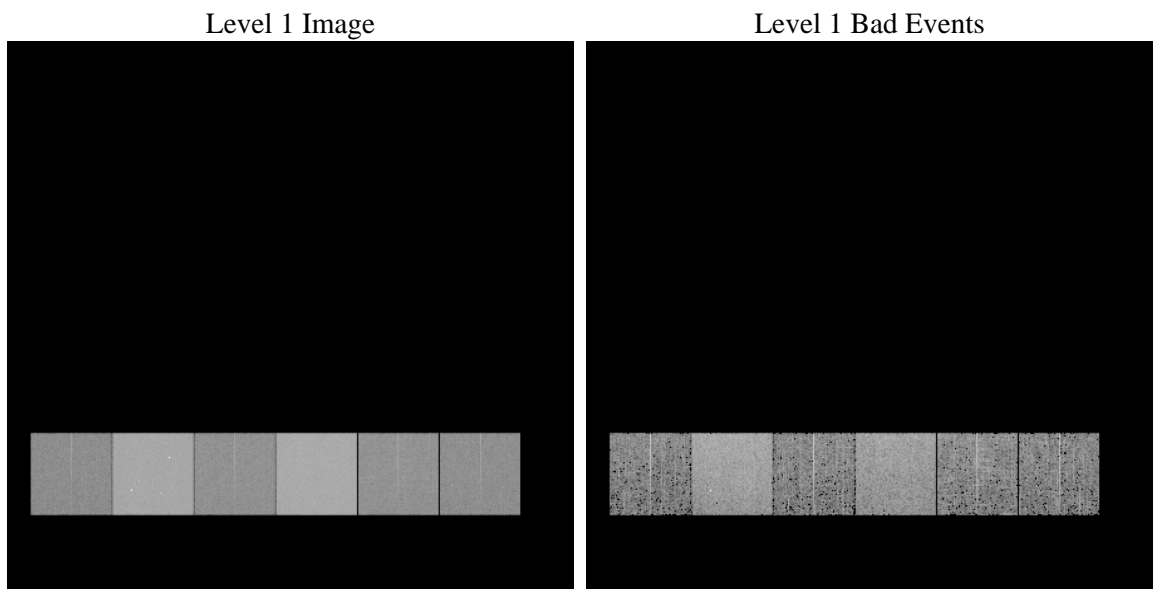
1 Front

seq_num	 	Sequence number
obs_id	60977	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	162.19116950892	Nominal RA [deg]
dec_nom	-3.1727824041396	Nominal Dec [deg]
roll_nom	75.095029717529	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7794.066013068	Sum of GTIs [s]
livetime	7695.3728561874	Livetime [s]
ontime4	2812.5610744059	Sum of GTIs [s]
ontime5	7794.0249730647	Sum of GTIs [s]
ontime6	3068.6433469653	Sum of GTIs [s]
ontime7	7794.066013068	Sum of GTIs [s]
ontime8	3163.2494205832	Sum of GTIs [s]
ontime9	2916.4377765954	Sum of GTIs [s]
l2events	1192323	Number of level 2 events

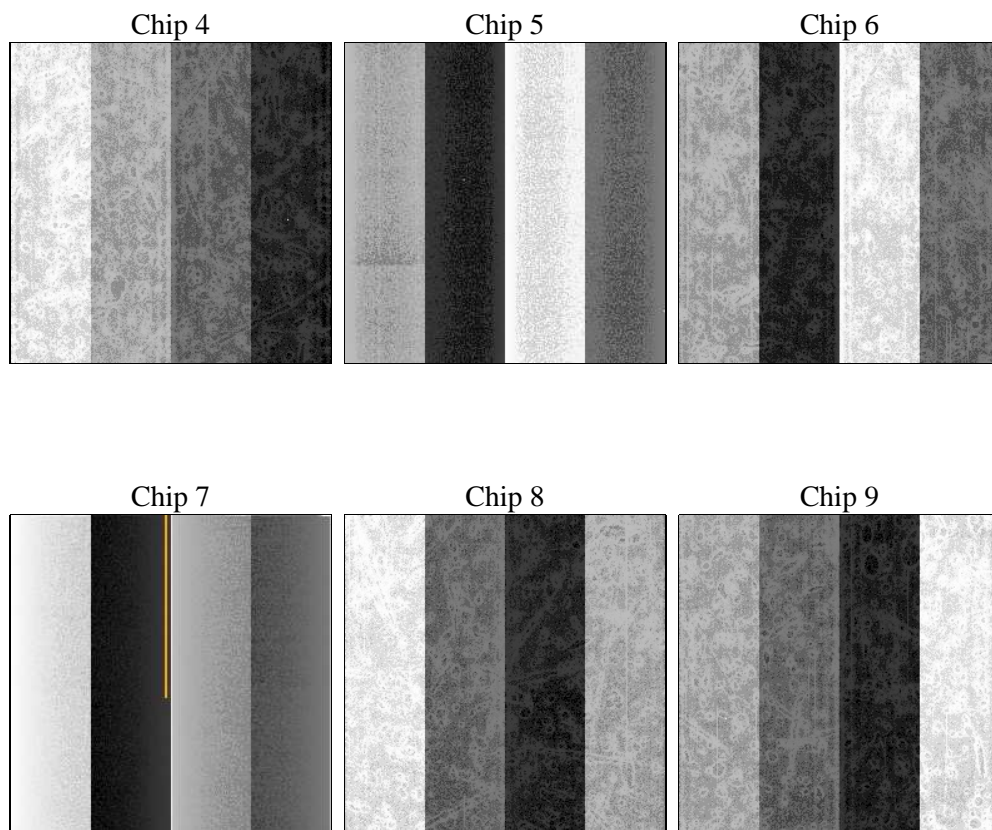
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7794.066013068	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	2812.5610744059	Sum of GTIs [s]
date	2012-10-16T22:22:54	Date and time of file creation	ontime5	7794.0249730647	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3068.6433469653	Sum of GTIs [s]
			ontime7	7794.066013068	Sum of GTIs [s]
			ontime8	3163.2494205832	Sum of GTIs [s]
			ontime9	2916.4377765954	Sum of GTIs [s]
			l1events	1430117	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	144487	376078	168882	410451	175483	154736	grade 0 events	71130	77342	79760	92714	83016	73322
rejected events	21080	51976	22591	41632	25031	21711		49%	20%	47%	22%	47%	47%
rejected %	14%	13%	13%	10%	14%	14%	grade 1 events	479	253	377	274	441	422
								0%	0%	0%	0%	0%	0%
							grade 2 events	19793	116278	25365	81492	26044	22889
								13%	30%	15%	19%	14%	14%
							grade 3 events	8205	20331	9004	37259	9603	8456
								5%	5%	5%	9%	5%	5%
							grade 4 events	8396	20005	9080	37002	9691	8525
								5%	5%	5%	9%	5%	5%
							grade 5 events	1360	9357	1594	8094	1822	1578
								0%	2%	0%	1%	1%	1%
							grade 6 events	15883	90146	23082	120352	22098	19833
								10%	23%	13%	29%	12%	12%
							grade 7 events	19241	42366	20620	33264	22768	19711
								13%	11%	12%	8%	12%	12%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	162.191169508923	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-3.17278240413958	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	75.09502971752921			
[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)	152375683.017335	152375681.99262			
Observation start date	2002-10-30T14:34:43	2002-10-30T14:34:41			
[s] Observation end time (MET)	152386646.417791	152386645.39307			
Observation end date	2002-10-30T17:37:26	2002-10-30T17:37:25			
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)	2012.10.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.794066013068

A.2 Comments