

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61211 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 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

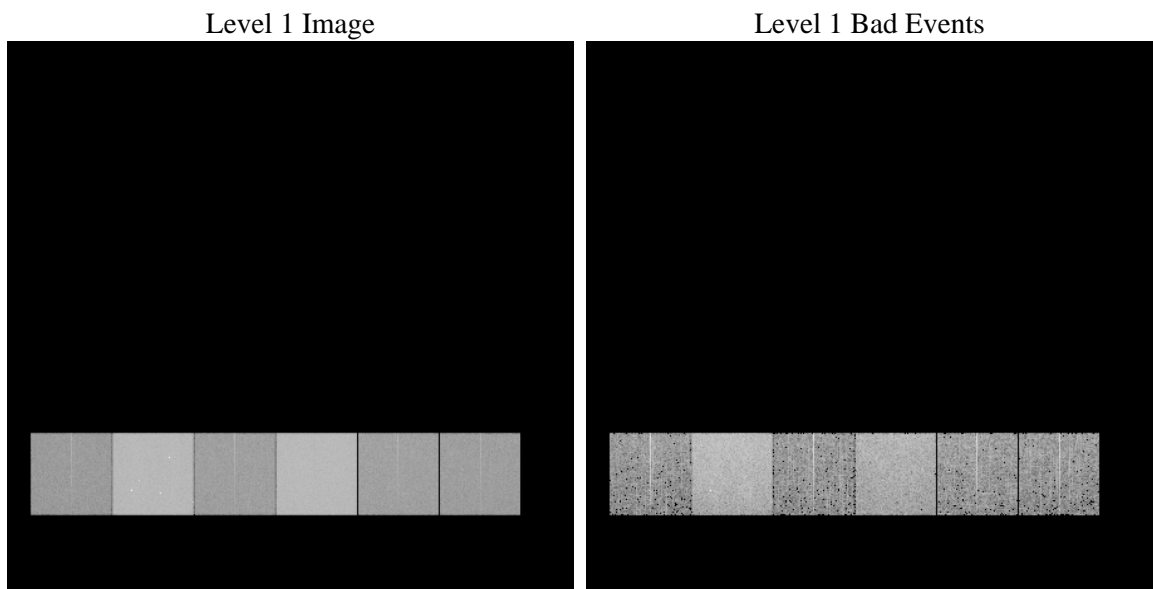
1 Front

seq_num	 	Sequence number
obs_id	61211	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	244.47413452997	Nominal RA [deg]
dec_nom	-4.9875308736397	Nominal Dec [deg]
roll_nom	121.33307581424	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7516.6341384947	Sum of GTIs [s]
livetime	7421.4539910594	Livetime [s]
ontime4	2664.1321823895	Sum of GTIs [s]
ontime5	8083.7617650926	Sum of GTIs [s]
ontime6	2946.1022931933	Sum of GTIs [s]
ontime7	7516.6341384947	Sum of GTIs [s]
ontime8	3049.8152538538	Sum of GTIs [s]
ontime9	2878.0403536856	Sum of GTIs [s]
l2events	1313853	Number of level 2 events

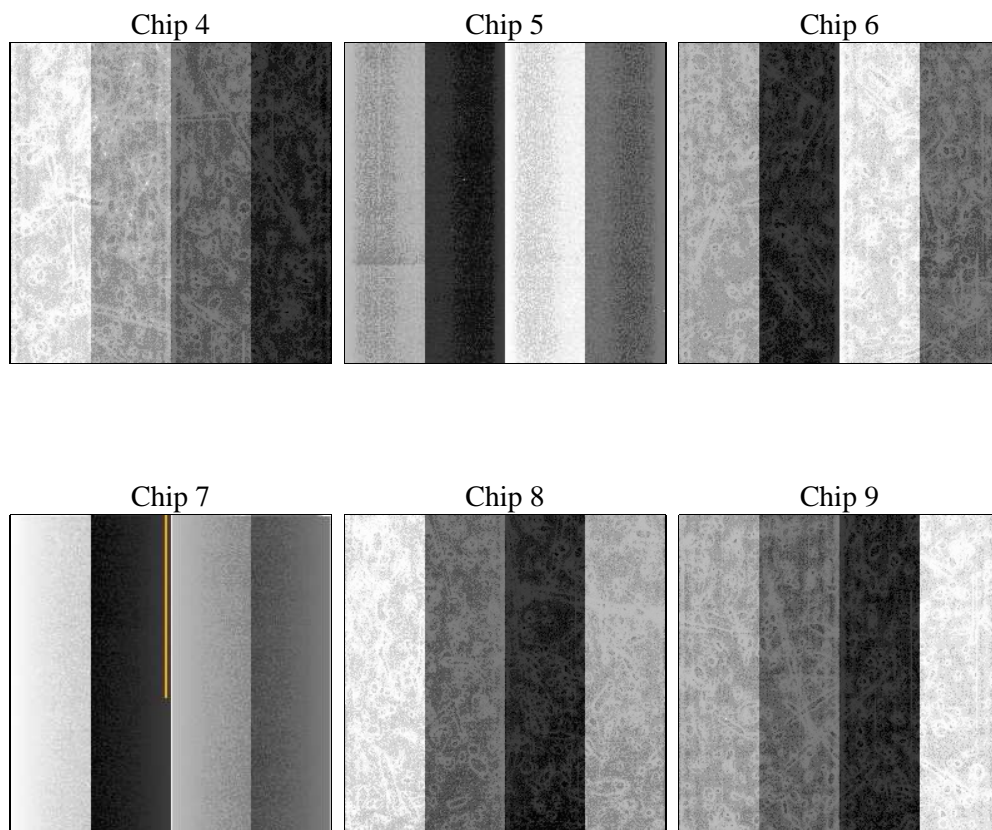
2 OBI

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	7516.6341384947	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	2664.1321823895	Sum of GTIs [s]
date	2012-10-07T13:28:40	Date and time of file creation	ontime5	8083.7617650926	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2946.1022931933	Sum of GTIs [s]
			ontime7	7516.6341384947	Sum of GTIs [s]
			ontime8	3049.8152538538	Sum of GTIs [s]
			ontime9	2878.0403536856	Sum of GTIs [s]
			l1events	1566700	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	153091	434852	179093	442289	187565	169810	grade 0 events	74074	90144	85668	100979	89402	80465
rejected events	22581	58925	22728	43052	25252	22698		48%	20%	47%	22%	47%	47%
rejected %	14%	13%	12%	9%	13%	13%	grade 1 events	412	307	411	306	464	414
								0%	0%	0%	0%	0%	0%
							grade 2 events	23240	135415	26952	87862	28708	26337
								15%	31%	15%	19%	15%	15%
							grade 3 events	8143	23885	9668	41033	10246	9152
								5%	5%	5%	9%	5%	5%
							grade 4 events	7883	23502	9636	40494	10278	9182
								5%	5%	5%	9%	5%	5%
							grade 5 events	1379	10637	1683	8268	1970	1705
								0%	2%	0%	1%	1%	1%
							grade 6 events	17630	104187	24758	130257	23969	22518
								11%	23%	13%	29%	12%	13%
							grade 7 events	20330	46775	20317	33090	22528	20037
								13%	10%	11%	7%	12%	11%

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	244.4741345299706	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-4.987530873639728	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	121.3330758142419			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	137101997.489	137101996.46418			
Observation start date	2002-05-06T19:53:17	2002-05-06T19:53:16			
[s] Observation end time (MET)	137123307.24	137123306.21505			
Observation end date	2002-05-07T01:48:27	2002-05-07T01:48:26			
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)	2012.10.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5166341384947

A.2 Comments