

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60365 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 12 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

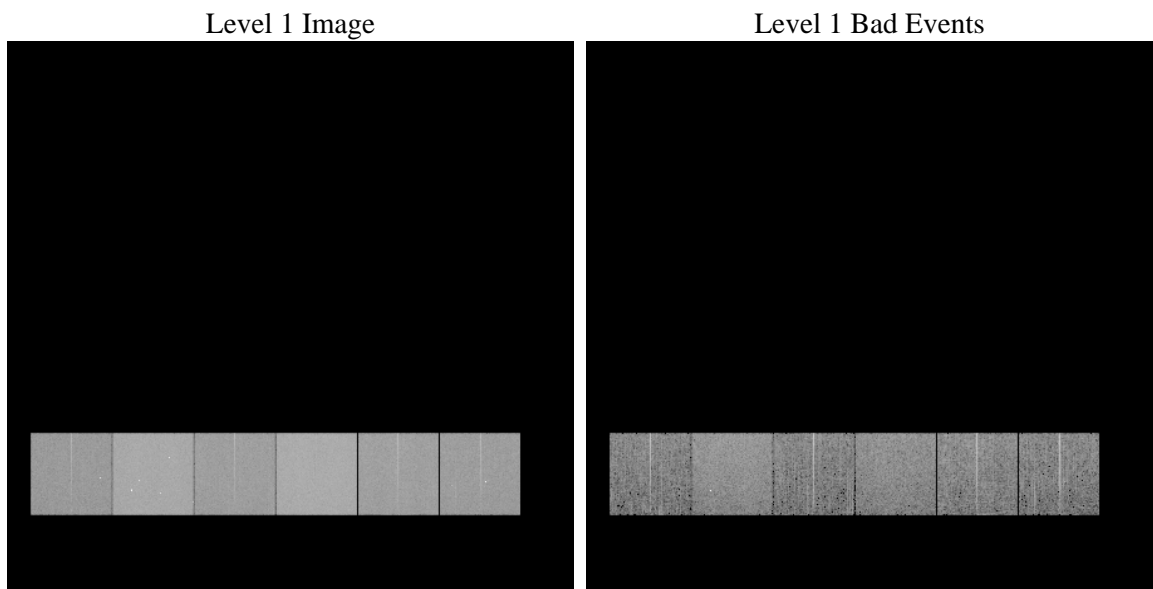
1 Front

seq_num	 	Sequence number
obs_id	60365	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	158.06981123994	Nominal RA [deg]
dec_nom	25.091764269401	Nominal Dec [deg]
roll_nom	163.89053003198	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7798.3999709487	Sum of GTIs [s]
livetime	7699.6519348838	Livetime [s]
ontime4	4482.8723480701	Sum of GTIs [s]
ontime5	7798.3999709487	Sum of GTIs [s]
ontime6	4980.5040512979	Sum of GTIs [s]
ontime7	7798.3999709487	Sum of GTIs [s]
ontime8	5088.9384478033	Sum of GTIs [s]
ontime9	4834.536929369	Sum of GTIs [s]
l2events	1109327	Number of level 2 events

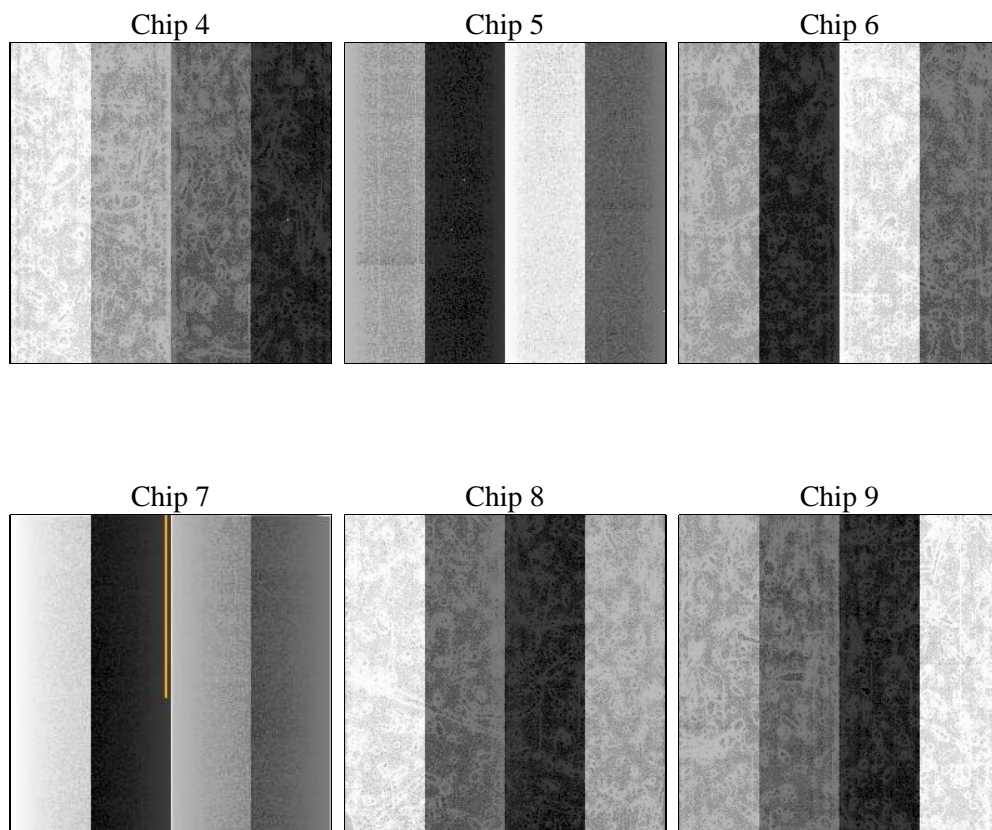
2 OBI

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	7798.3999709487	Sum of GTIs [s]
caldbver	4.5.2	 	ontime4	4482.8723480701	Sum of GTIs [s]
date	2012-11-12T04:42:21	Date and time of file creation	ontime5	7798.3999709487	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4980.5040512979	Sum of GTIs [s]
			ontime7	7798.3999709487	Sum of GTIs [s]
			ontime8	5088.9384478033	Sum of GTIs [s]
			ontime9	4834.536929369	Sum of GTIs [s]
			l1events	1415565	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	177598	297122	206319	319289	218570	196667	grade 0 events	83586	52555	93716	67341	97555	89700
rejected events	34662	53463	35027	44089	40993	35421		47%	17%	45%	21%	44%	45%
rejected %	19%	17%	16%	13%	18%	18%	grade 1 events	636	183	452	183	477	519
								0%	0%	0%	0%	0%	0%
							grade 2 events	22111	90378	29332	60423	30783	27245
								12%	30%	14%	18%	14%	13%
							grade 3 events	9615	14593	10493	27350	11510	10173
								5%	4%	5%	8%	5%	5%
							grade 4 events	9448	13907	10657	27391	11426	10255
								5%	4%	5%	8%	5%	5%
							grade 5 events	2083	8919	2392	7979	2820	2460
								1%	3%	1%	2%	1%	1%
							grade 6 events	18301	72331	27094	92820	26414	23873
								10%	24%	13%	29%	12%	12%
							grade 7 events	31818	44256	32183	35802	37585	32442
								17%	14%	15%	11%	17%	16%

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	158.069811239943	Alternating exposures requested	N	N
[deg] Pointing Dec	0	25.09176426940058	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	163.890530031983			
[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)	193732743.528543	193732742.50383			
Observation start date	2004-02-21T06:39:04	2004-02-21T06:39:02			
[s] Observation end time (MET)	193743231.329002	193743230.30429			
Observation end date	2004-02-21T09:33:51	2004-02-21T09:33:50			
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)	2012.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7983999709487

A.2 Comments