

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60452 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 9 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

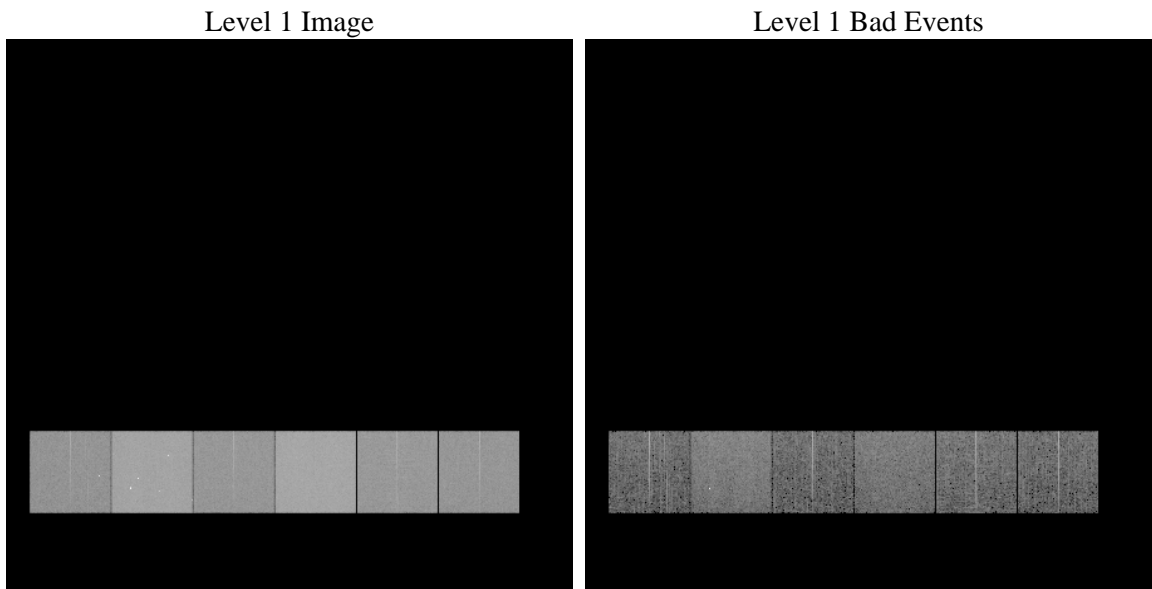
1 Front

seq_num	 	Sequence number
obs_id	60452	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	304.99568275804	Nominal RA [deg]
dec_nom	-67.028564878305	Nominal Dec [deg]
roll_nom	233.72800389899	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8463.9999684691	Sum of GTIs [s]
livetime	8356.8237044595	Livetime [s]
ontime4	4500.6514531672	Sum of GTIs [s]
ontime5	8463.9999684691	Sum of GTIs [s]
ontime6	4902.1787980497	Sum of GTIs [s]
ontime7	8463.9999684691	Sum of GTIs [s]
ontime8	5012.3718468547	Sum of GTIs [s]
ontime9	4811.4320094585	Sum of GTIs [s]
l2events	1242544	Number of level 2 events

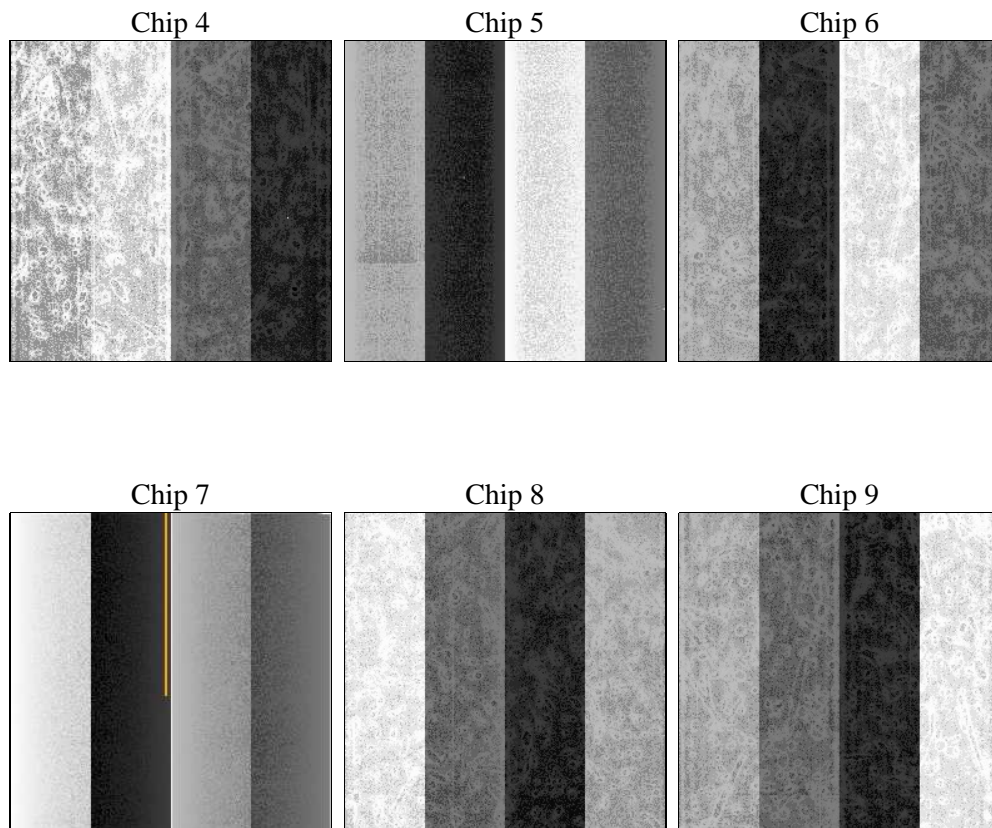
2 OBI

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	8463.9999684691	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	4500.6514531672	Sum of GTIs [s]
date	2012-11-09T06:43:06	Date and time of file creation	ontime5	8463.9999684691	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4902.1787980497	Sum of GTIs [s]
			ontime7	8463.9999684691	Sum of GTIs [s]
			ontime8	5012.3718468547	Sum of GTIs [s]
			ontime9	4811.4320094585	Sum of GTIs [s]
			l1events	1536721	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	189819	337825	214050	363259	226618	205150	grade 0 events	91978	64306	99664	79954	103599	95315
rejected events	31713	54125	30481	43309	36200	31563		48%	19%	46%	22%	45%	46%
rejected %	16%	16%	14%	11%	15%	15%	grade 1 events	685	223	472	221	556	523
								0%	0%	0%	0%	0%	0%
							grade 2 events	24719	103575	31279	69795	33049	29416
								13%	30%	14%	19%	14%	14%
							grade 3 events	10530	16787	11355	31882	12175	11129
								5%	4%	5%	8%	5%	5%
							grade 4 events	10383	16709	11260	31305	12070	10980
								5%	4%	5%	8%	5%	5%
							grade 5 events	1940	9051	2250	8050	2622	2375
								1%	2%	1%	2%	1%	1%
							grade 6 events	20496	82323	30011	107014	29525	26747
								10%	24%	14%	29%	13%	13%
							grade 7 events	29088	44851	27759	35038	33022	28665
								15%	13%	12%	9%	14%	13%

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	304.9956827580379	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-67.02856487830537	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	233.7280038989936			
[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)	187826092.620981	187826091.59627			
Observation start date	2003-12-14T21:54:53	2003-12-14T21:54:51			
[s] Observation end time (MET)	187849325.271989	187849324.24728			
Observation end date	2003-12-15T04:22:05	2003-12-15T04:22:04			
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)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4639999684691

A.2 Comments