

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 60592 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Mar 1 2013

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

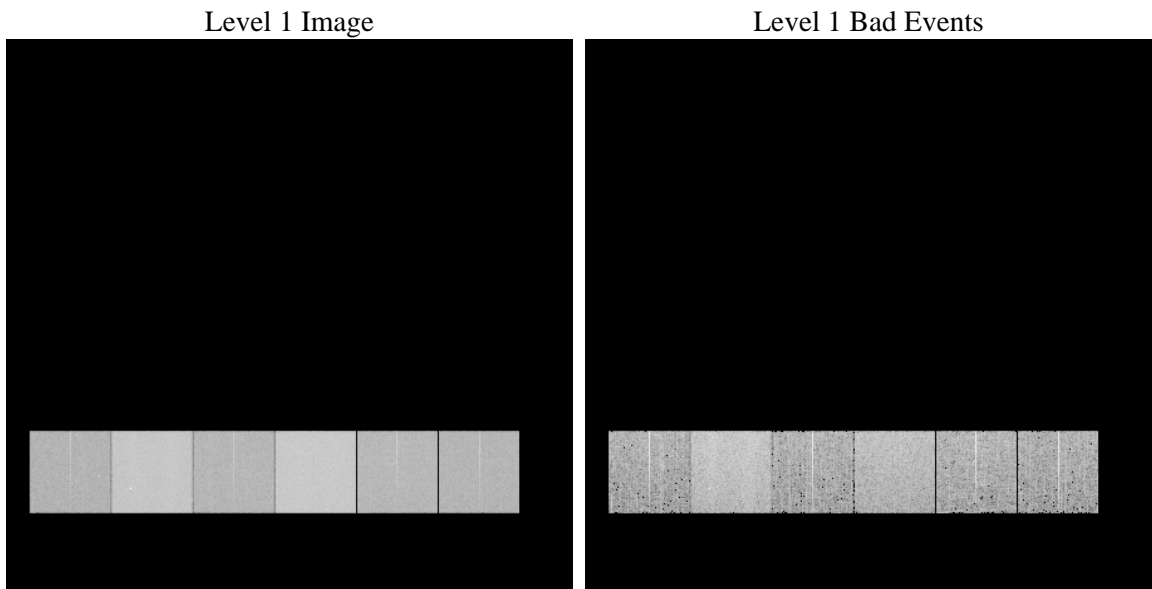
1 Front

seq_num	 	Sequence number
obs_id	60592	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	12.976129875759	Nominal RA [deg]
dec_nom	6.0159968097547	Nominal Dec [deg]
roll_nom	113.1333103814	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8454.3999685049	Sum of GTIs [s]
livetime	8347.3452654752	Livetime [s]
ontime4	4075.8372577131	Sum of GTIs [s]
ontime5	8451.1589982212	Sum of GTIs [s]
ontime6	4325.3954646587	Sum of GTIs [s]
ontime7	8454.3999685049	Sum of GTIs [s]
ontime8	4432.3474239707	Sum of GTIs [s]
ontime9	4242.2655811906	Sum of GTIs [s]
l2events	1242994	Number of level 2 events

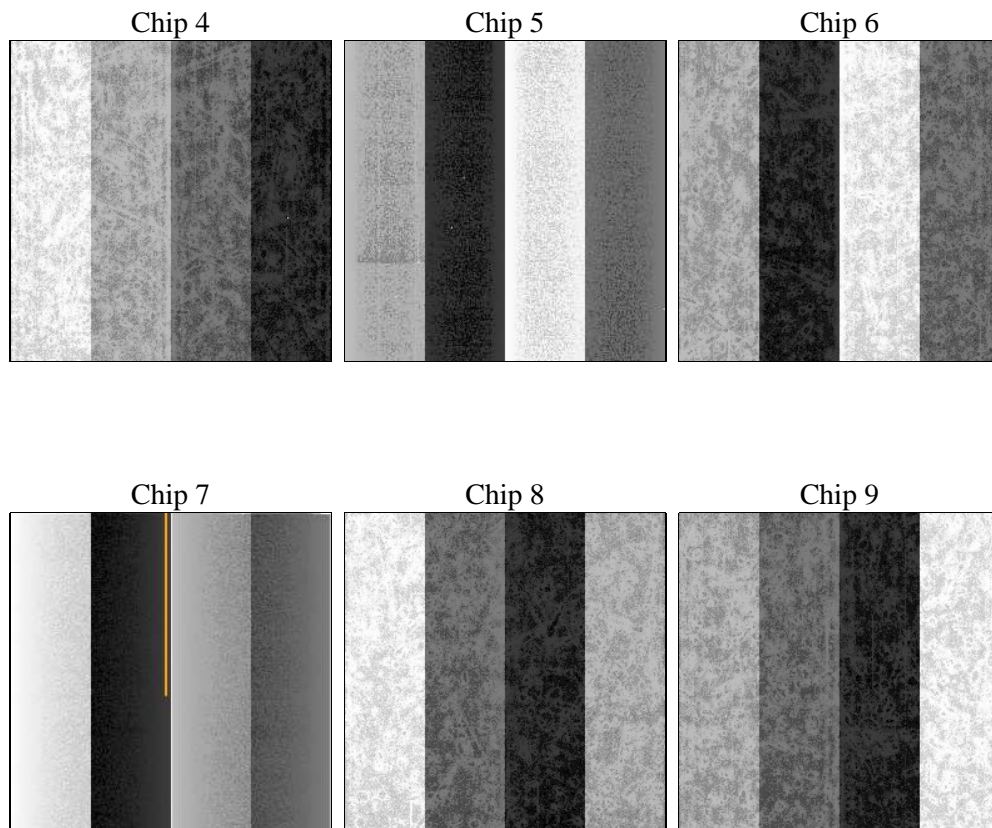
2 OBI

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	8.5.1.1	Processing system revision	ontime	8454.3999685049	Sum of GTIs [s]
caldsver	4.5.6	 	ontime4	4075.8372577131	Sum of GTIs [s]
date	2013-03-01T22:31:17	Date and time of file creation	ontime5	8451.1589982212	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	4325.3954646587	Sum of GTIs [s]
			ontime7	8454.3999685049	Sum of GTIs [s]
			ontime8	4432.3474239707	Sum of GTIs [s]
			ontime9	4242.2655811906	Sum of GTIs [s]
			l1events	1537429	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	182856	354187	203299	387102	215246	194739	grade 0 events	89727	54097	91794	84138	99451	91251
rejected events	31877	59164	32266	45416	34595	30876		49%	15%	45%	21%	46%	46%
rejected %	17%	16%	15%	11%	16%	15%	grade 1 events	668	229	367	221	477	491
								0%	0%	0%	0%	0%	0%
							grade 2 events	21726	119652	30662	75816	30910	26833
								11%	33%	15%	19%	14%	13%
							grade 3 events	10237	14901	10198	33339	11357	10336
								5%	4%	5%	8%	5%	5%
							grade 4 events	10118	14261	10399	33154	11458	10370
								5%	4%	5%	8%	5%	5%
							grade 5 events	1908	9199	2134	8347	2414	2120
								1%	2%	1%	2%	1%	1%
							grade 6 events	19383	92112	27980	115239	27475	25073
								10%	26%	13%	29%	12%	12%
							grade 7 events	29089	49736	29765	36848	31704	28265
								15%	14%	14%	9%	14%	14%

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	12.97612987575915	Alternating exposures requested	N	N
[deg] Pointing Dec	0	6.015996809754679	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	113.1333103814007			
[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)	176861193.598916	176861192.57421			
Observation start date	2003-08-10T00:06:34	2003-08-10T00:06:32			
[s] Observation end time (MET)	176883302.849861	176883301.82515			
Observation end date	2003-08-10T06:15:03	2003-08-10T06:15:01			
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)	2013.03.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4543999685049

A.2 Comments