

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 60632 - 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

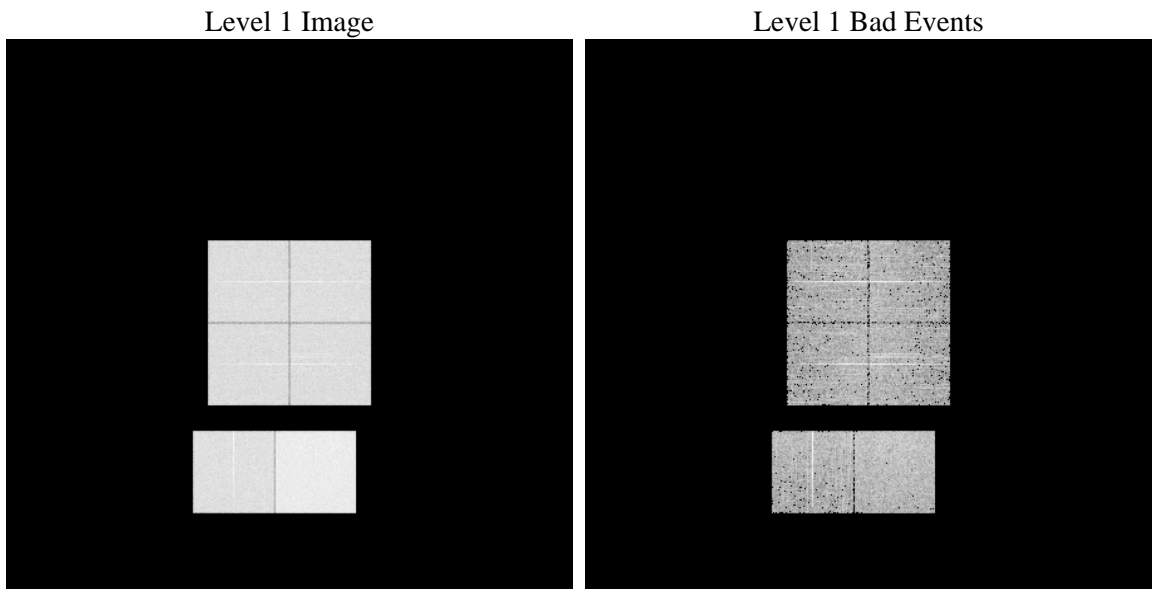
1 Front

seq_num	 	Sequence number
obs_id	60632	Observation id
title	ACIS-012367 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	293.06635072676	Nominal RA [deg]
dec_nom	-48.027104061711	Nominal Dec [deg]
roll_nom	303.78128930247	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5846.3999782205	Sum of GTIs [s]
livetime	5772.3693414168	Livetime [s]
ontime0	3658.3273840547	Sum of GTIs [s]
ontime1	3749.1159096956	Sum of GTIs [s]
ontime2	3538.4934654534	Sum of GTIs [s]
ontime3	3580.4625556171	Sum of GTIs [s]
ontime6	3878.8368587792	Sum of GTIs [s]
ontime7	5846.3999782205	Sum of GTIs [s]
l2events	875105	Number of level 2 events

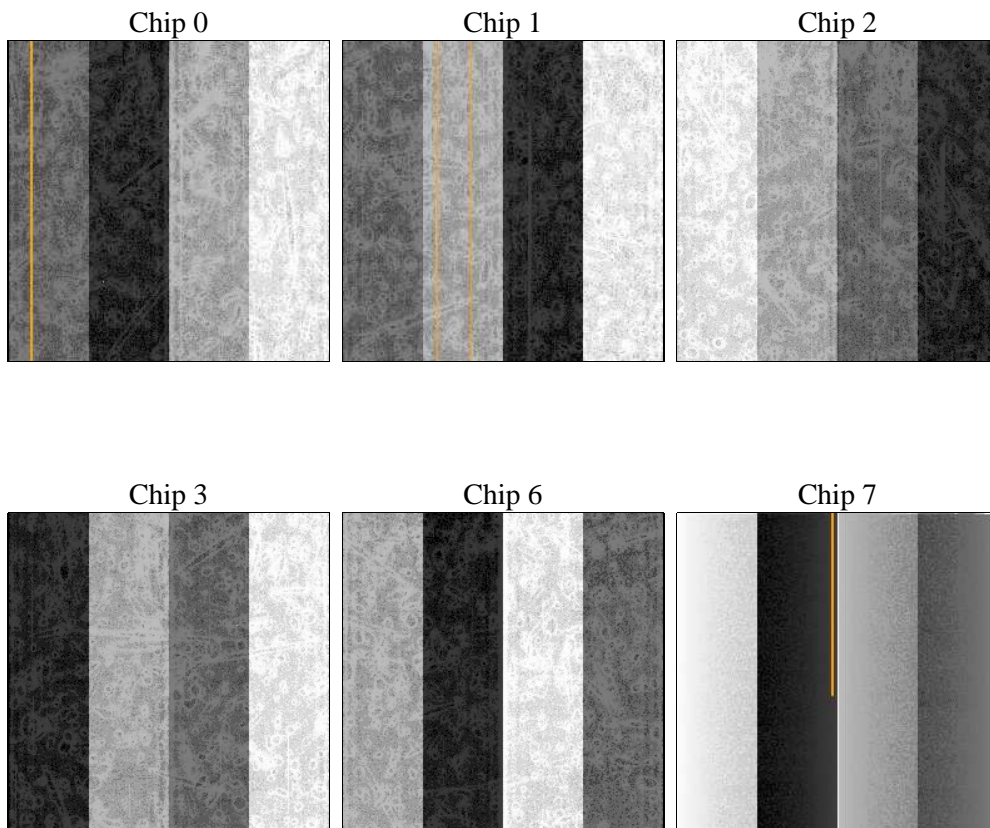
2 OBI

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	5846.3999782205	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	3658.3273840547	Sum of GTIs [s]
date	2013-03-01T23:53:34	Date and time of file creation	ontime1	3749.1159096956	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	3538.4934654534	Sum of GTIs [s]
			ontime3	3580.4625556171	Sum of GTIs [s]
			ontime6	3878.8368587792	Sum of GTIs [s]
			ontime7	5846.3999782205	Sum of GTIs [s]
			l1events	1070903	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	159173	162136	155401	158181	175092	260920	grade 0 events	75429	75220	75072	76328	79078	55247
rejected events	23488	23786	23832	24860	26686	32019		47%	46%	48%	48%	45%	21%
rejected %	14%	14%	15%	15%	15%	12%	grade 1 events	382	311	423	405	333	158
								0%	0%	0%	0%	0%	0%
							grade 2 events	22956	25602	20970	21513	27855	50899
								14%	15%	13%	13%	15%	19%
							grade 3 events	8772	8481	8728	8500	8790	22459
								5%	5%	5%	5%	5%	8%
							grade 4 events	8797	8450	8507	8523	8611	22204
								5%	5%	5%	5%	4%	8%
							grade 5 events	1556	1563	1429	1562	1806	5761
								0%	0%	0%	0%	1%	2%
							grade 6 events	19731	20597	18292	18457	24072	78220
								12%	12%	11%	11%	13%	29%
							grade 7 events	21550	21912	21980	22893	24547	25972
								13%	13%	14%	14%	14%	9%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	293.0663507267635	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-48.02710406171088	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	303.7812893024703			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	175044665.971392	175044664.94671			
Observation start date	2003-07-19T23:31:06	2003-07-19T23:31:04			
[s] Observation end time (MET)	175052232.521714	175052231.49703			
Observation end date	2003-07-20T01:37:13	2003-07-20T01:37:11			
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	5.8463999782205

A.2 Comments