

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 59012 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Mar 30 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

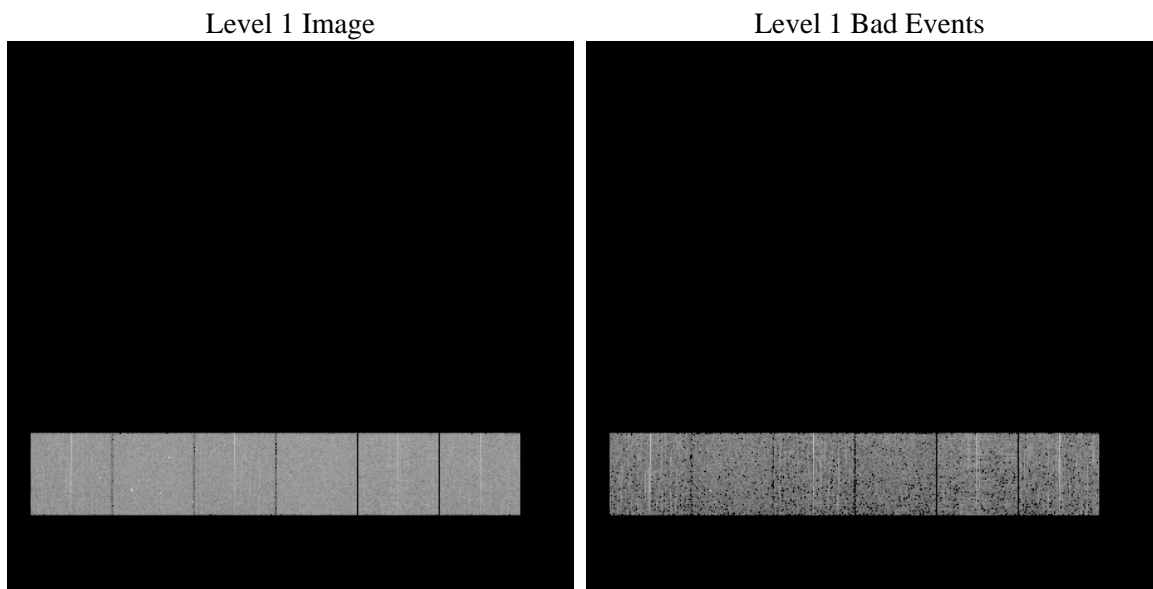
1 Front

seq_num	 	Sequence number
obs_id	59012	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	205.0283535919	Nominal RA [deg]
dec_nom	-20.989164803974	Nominal Dec [deg]
roll_nom	349.17609799514	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2412.7999910116	Sum of GTIs [s]
livetime	2382.2476647117	Livetime [s]
ontime4	2412.7999910116	Sum of GTIs [s]
ontime5	2412.7999910116	Sum of GTIs [s]
ontime6	2412.7999910116	Sum of GTIs [s]
ontime7	2412.7999910116	Sum of GTIs [s]
ontime8	2412.7999910116	Sum of GTIs [s]
ontime9	2412.7999910116	Sum of GTIs [s]
l2events	284669	Number of level 2 events

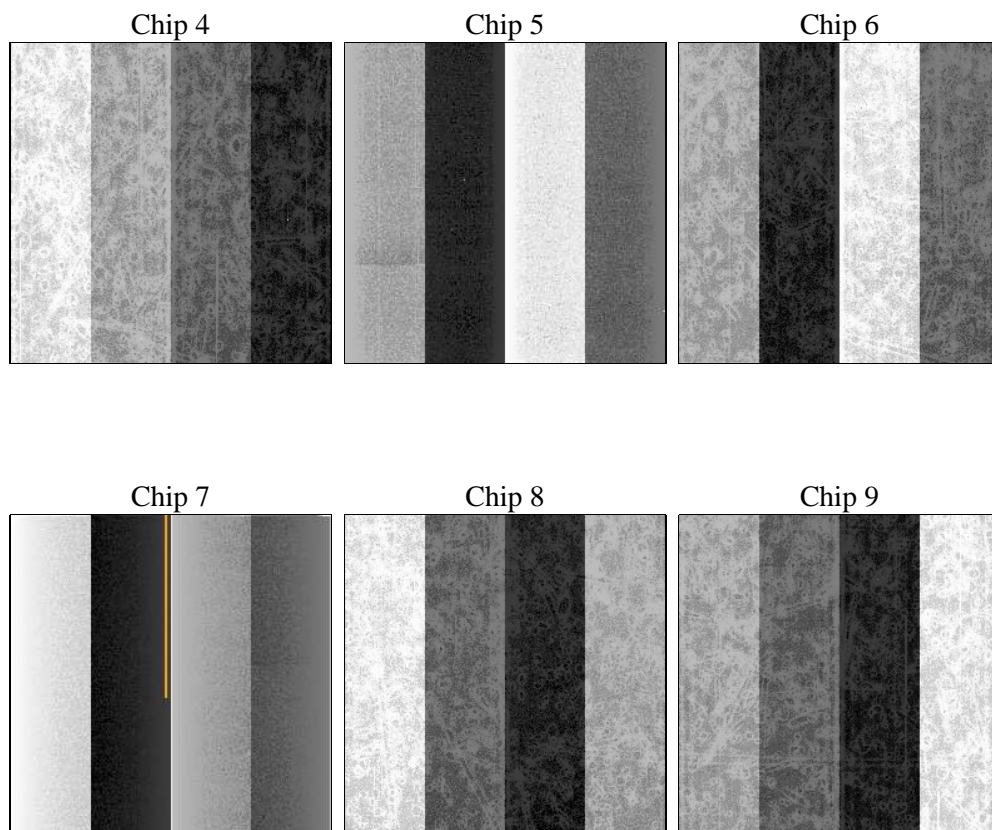
2 OBI

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	8.4.3	Processing system revision	ontime	2412.7999910116	Sum of GTIs [s]
caldbver	4.4.8	 	ontime4	2412.7999910116	Sum of GTIs [s]
date	2012-03-30T08:06:08	Date and time of file creation	ontime5	2412.7999910116	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2412.7999910116	Sum of GTIs [s]
			ontime7	2412.7999910116	Sum of GTIs [s]
			ontime8	2412.7999910116	Sum of GTIs [s]
			ontime9	2412.7999910116	Sum of GTIs [s]
			l1events	430272	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	69715	72525	70267	74129	73721	69915	grade 0 events	27094	10580	26565	12753	27469	25871
rejected events	22939	19848	20739	17417	22024	22359		38%	14%	37%	17%	37%	37%
rejected %	32%	27%	29%	23%	29%	31%	grade 1 events	215	70	174	50	168	190
								0%	0%	0%	0%	0%	0%
							grade 2 events	7367	18909	8641	12273	9049	8068
								10%	26%	12%	16%	12%	11%
							grade 3 events	3082	2837	3202	5559	3546	3115
								4%	3%	4%	7%	4%	4%
							grade 4 events	3183	2829	3156	5489	3479	2942
								4%	3%	4%	7%	4%	4%
							grade 5 events	1203	2882	1294	2916	1524	1348
								1%	3%	1%	3%	2%	1%
							grade 6 events	6050	17522	7964	20638	8154	7560
								8%	24%	11%	27%	11%	10%
							grade 7 events	21521	16896	19271	14451	20332	20821
								30%	23%	27%	19%	27%	29%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	205.0283535919031
[deg] Pointing Dec	0	-20.98916480397366
[deg] Pointing Roll	0.0	349.1760979951367
[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)	261812102.712948	261812101.68794
Observation start date	2006-04-19T05:35:03	2006-04-19T05:35:01
[s] Observation end time (MET)	261821128.863369	261821127.83836
Observation end date	2006-04-19T08:05:29	2006-04-19T08:05:27
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.4127999910116

A.2 Comments