

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54854 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 16 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

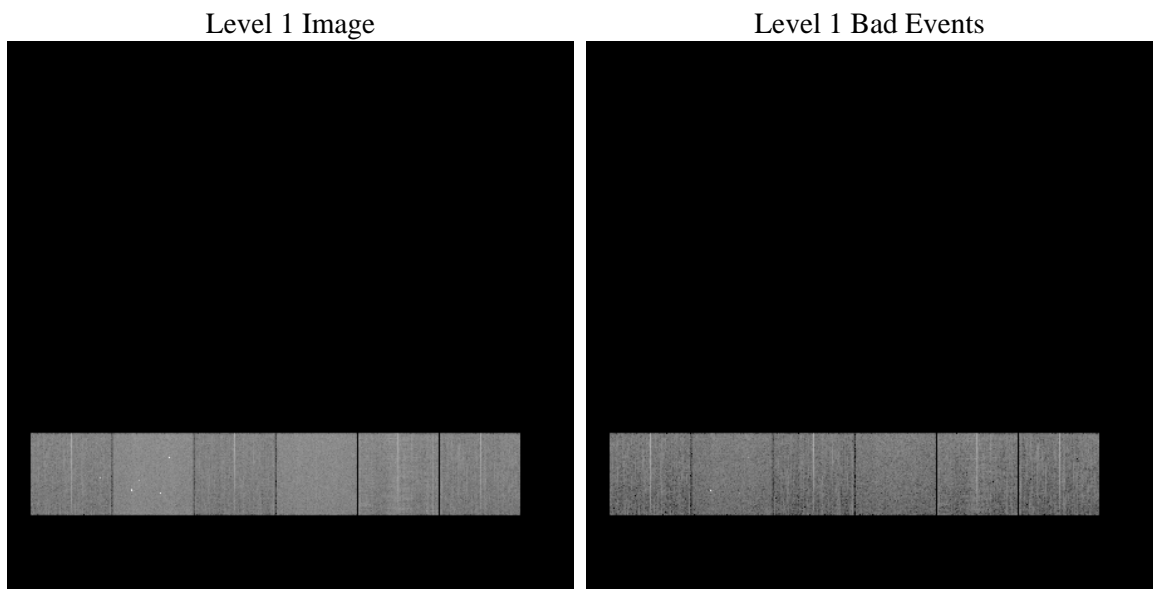
1 Front

seq_num	 	Sequence number
obs_id	54854	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	157.96358704807	Nominal RA [deg]
dec_nom	39.993039978954	Nominal Dec [deg]
roll_nom	161.06372335804	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8086.3999699354	Sum of GTIs [s]
livetime	7984.0051044706	Livetime [s]
ontime4	8086.3999699354	Sum of GTIs [s]
ontime5	8086.3999699354	Sum of GTIs [s]
ontime6	8086.3999699354	Sum of GTIs [s]
ontime7	8086.3999699354	Sum of GTIs [s]
ontime8	8086.3999699354	Sum of GTIs [s]
ontime9	8086.3999699354	Sum of GTIs [s]
l2events	292172	Number of level 2 events

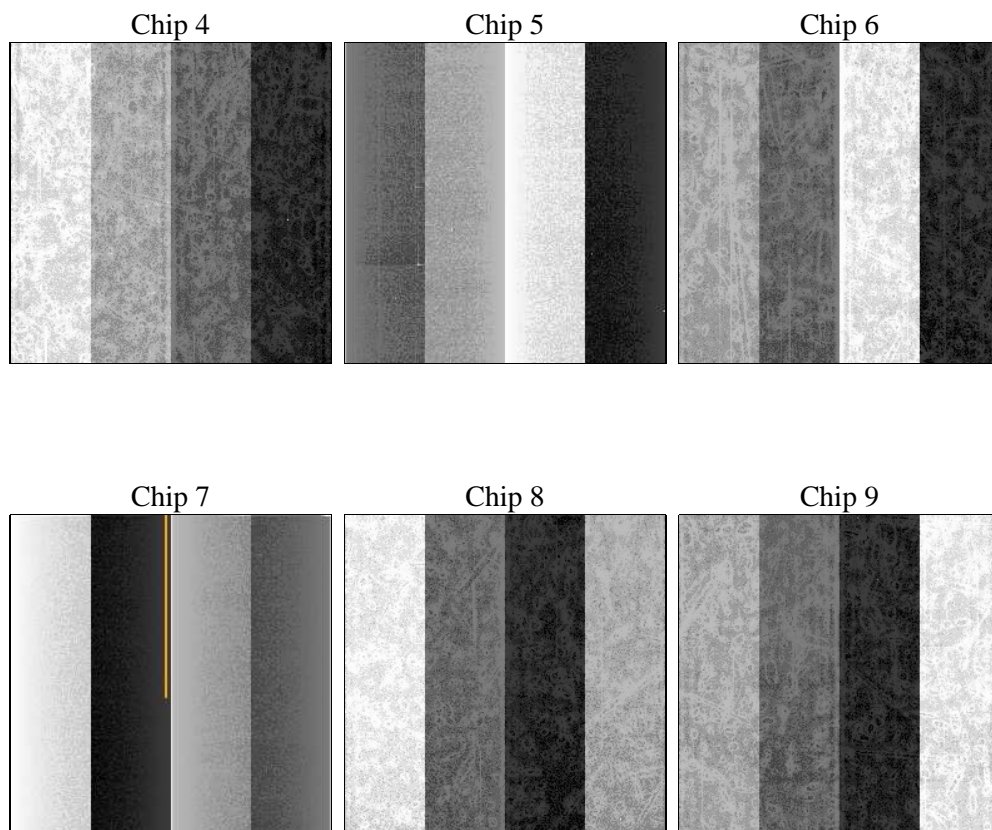
2 OBI

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	8086.3999699354	Sum of GTIs [s]
caldsver	4.4.7	 	ontime4	8086.3999699354	Sum of GTIs [s]
date	2012-02-16T22:33:35	Date and time of file creation	ontime5	8086.3999699354	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8086.3999699354	Sum of GTIs [s]
			ontime7	8086.3999699354	Sum of GTIs [s]
			ontime8	8086.3999699354	Sum of GTIs [s]
			ontime9	8086.3999699354	Sum of GTIs [s]
			l1events	668144	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	96888	136950	97334	124960	114875	97137	grade 0 events	23523	12457	22759	11850	25661	22418
rejected events	55958	61033	54157	56232	61675	55107		24%	9%	23%	9%	22%	23%
rejected %	57%	44%	55%	45%	53%	56%	grade 1 events	184	140	121	122	156	128
								0%	0%	0%	0%	0%	0%
							grade 2 events	6795	26619	8141	15019	10461	7564
								7%	19%	8%	12%	9%	7%
							grade 3 events	2948	3008	2976	6334	4275	2907
								3%	2%	3%	5%	3%	2%
							grade 4 events	2954	2719	2881	6254	4071	2978
								3%	1%	2%	5%	3%	3%
							grade 5 events	3275	7558	3514	8756	4554	3980
								3%	5%	3%	7%	3%	4%
							grade 6 events	5553	32694	7378	30749	9862	7011
								5%	23%	7%	24%	8%	7%
							grade 7 events	51656	51755	49564	45876	55835	50151
								53%	37%	50%	36%	48%	51%

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	157.9635870480712
[deg] Pointing Dec	0	39.99303997895403
[deg] Pointing Roll	0.0	161.0637233580413
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	445742233.081261	445742233.081261
Observation start date	2012-02-16T01:17:13	2012-02-16T01:17:13
[s] Observation end time (MET)	445751870.643322	445751870.643322
Observation end date	2012-02-16T03:57:51	2012-02-16T03:57:50
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0863999699354

A.2 Comments