

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54140 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 28 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

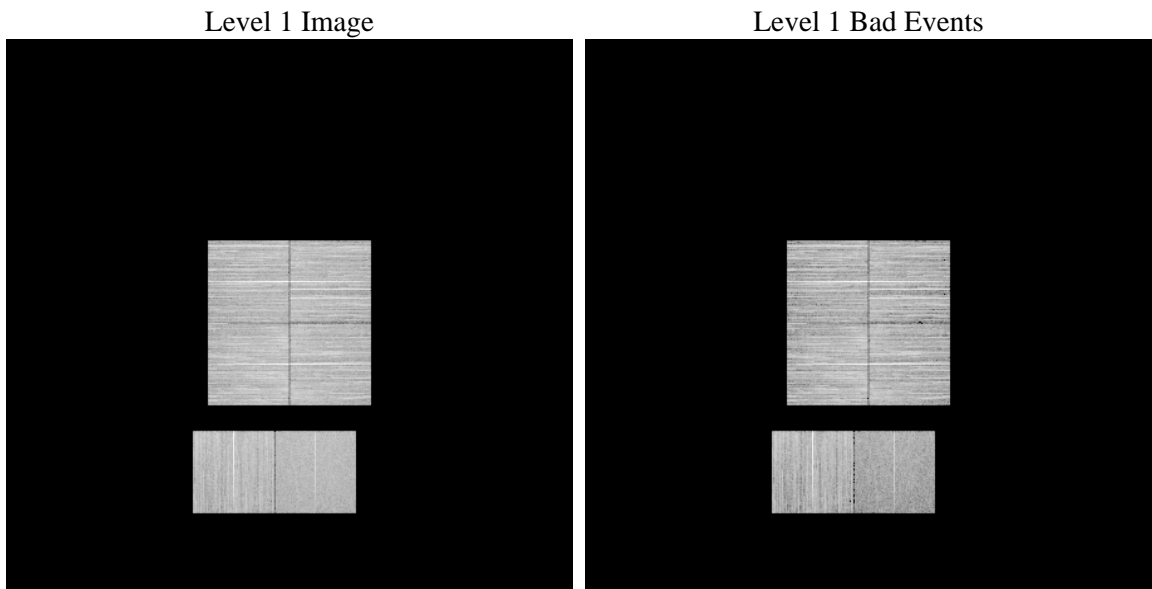
1 Front

seq_num	 	Sequence number
obs_id	54140	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	20.022369548507	Nominal RA [deg]
dec_nom	38.929492490915	Nominal Dec [deg]
roll_nom	257.65405221048	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8223.9999694228	Sum of GTIs [s]
livetime	8119.8627299117	Livetime [s]
ontime0	8223.9999694228	Sum of GTIs [s]
ontime1	8223.9999694228	Sum of GTIs [s]
ontime2	8223.9999694228	Sum of GTIs [s]
ontime3	8223.9999694228	Sum of GTIs [s]
ontime6	8223.9999694228	Sum of GTIs [s]
ontime7	8223.9999694228	Sum of GTIs [s]
l2events	226404	Number of level 2 events

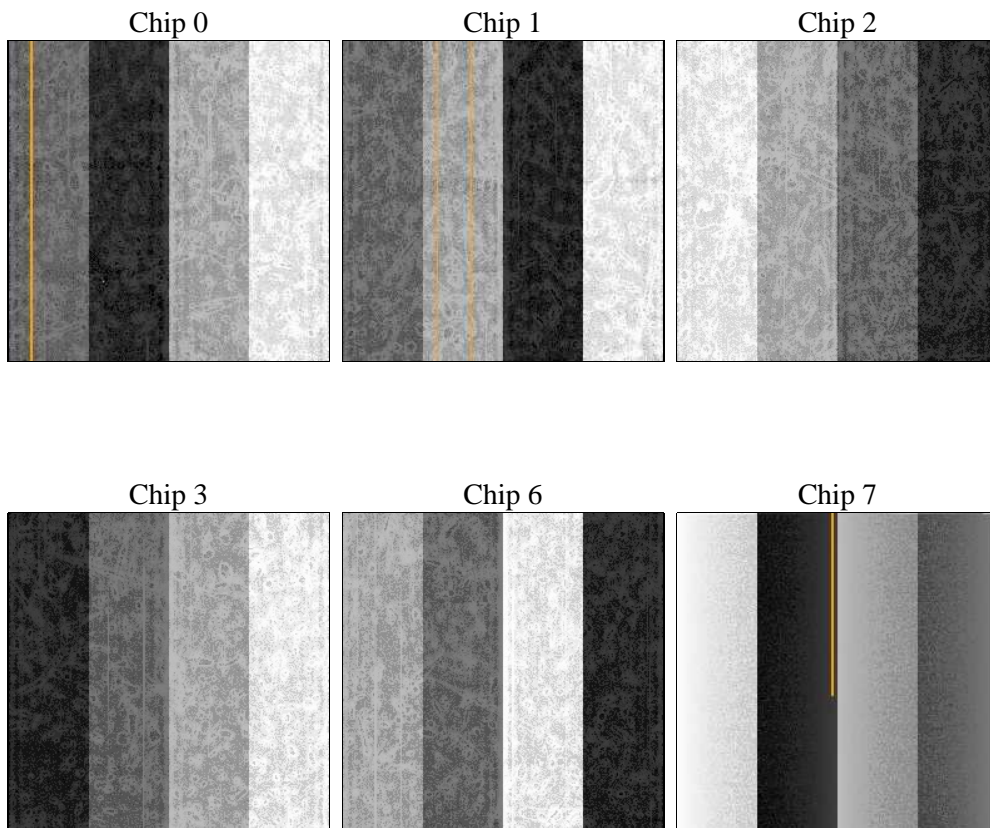
2 OBI

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	8223.9999694228	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	8223.9999694228	Sum of GTIs [s]
date	2012-11-28T16:18:48	Date and time of file creation	ontime1	8223.9999694228	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8223.9999694228	Sum of GTIs [s]
			ontime3	8223.9999694228	Sum of GTIs [s]
			ontime6	8223.9999694228	Sum of GTIs [s]
			ontime7	8223.9999694228	Sum of GTIs [s]
			l1events	933910	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	159023	162865	170079	158589	152657	130697	grade 0 events	18092	17556	18928	19069	18347	9131
rejected events	123935	127449	134633	122681	115990	69664		11%	10%	11%	12%	12%	6%
rejected %	77%	78%	79%	77%	75%	53%	grade 1 events	79	72	125	114	75	73
								0%	0%	0%	0%	0%	0%
							grade 2 events	7019	7753	6666	6912	7591	15174
								4%	4%	3%	4%	4%	11%
							grade 3 events	2455	2279	2383	2462	2318	5102
								1%	1%	1%	1%	1%	3%
							grade 4 events	2325	2327	2428	2492	2406	4898
								1%	1%	1%	1%	1%	3%
							grade 5 events	2920	2959	2726	3221	2977	7591
								1%	1%	1%	2%	1%	5%
							grade 6 events	5493	5817	5340	5302	6307	27240
								3%	3%	3%	3%	4%	20%
							grade 7 events	120640	124102	131483	119017	112636	61488
								75%	76%	77%	75%	73%	47%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	20.02236954850734
[deg] Pointing Dec	0	38.92949249091484
[deg] Pointing Roll	0.0	257.6540522104752
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)	470417909.118988	470417909.118988
Observation start date	2012-11-27T15:38:29	2012-11-27T15:38:29
[s] Observation end time (MET)	470427970.023239	470427970.023239
Observation end date	2012-11-27T18:26:10	2012-11-27T18:26:10
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)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2239999694228

A.2 Comments