

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52859 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 11 2014

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

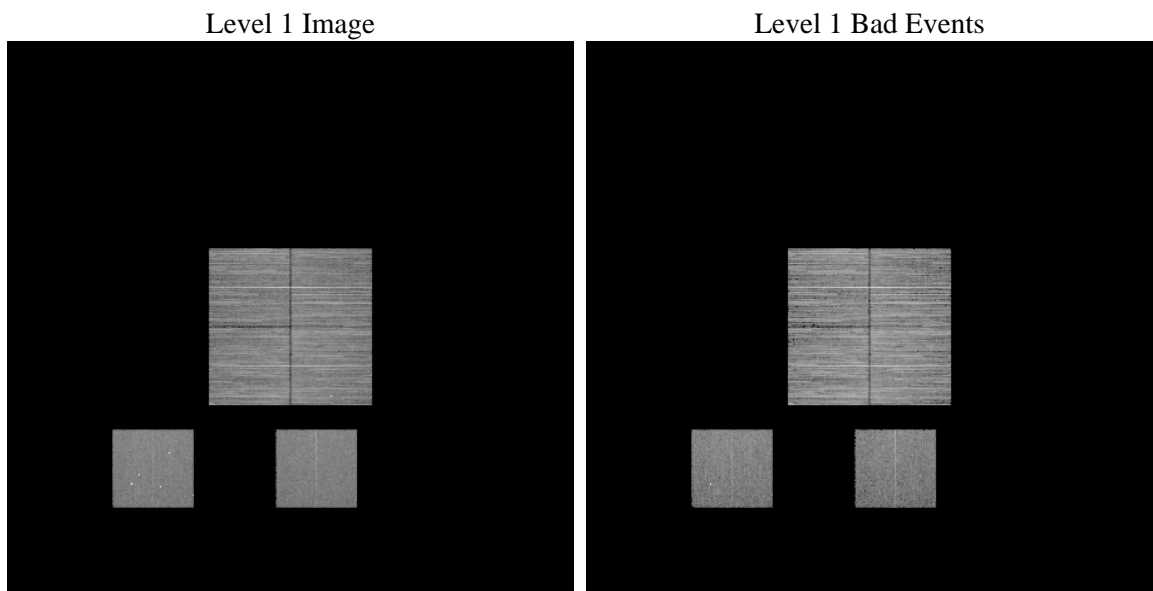
1 Front

seq_num	 	Sequence number
obs_id	52859	Observation id
title	ACIS-012357 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	182.15540666796	Nominal RA [deg]
dec_nom	-37.941868349981	Nominal Dec [deg]
roll_nom	327.74599765517	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8261.2374132276	Sum of GTIs [s]
livetime	8156.6286507813	Livetime [s]
ontime0	8261.1963732243	Sum of GTIs [s]
ontime1	8261.155333221	Sum of GTIs [s]
ontime2	8261.1142932177	Sum of GTIs [s]
ontime3	8261.2784532309	Sum of GTIs [s]
ontime5	8261.0732532144	Sum of GTIs [s]
ontime7	8261.2374132276	Sum of GTIs [s]
l2events	196641	Number of level 2 events

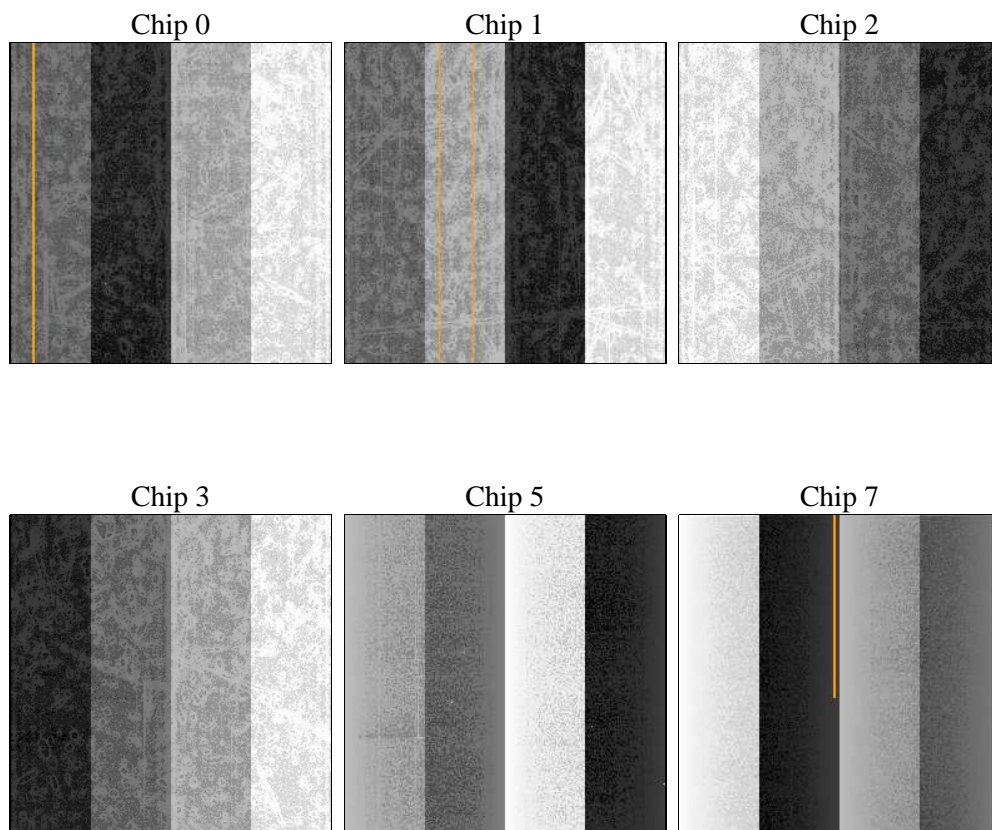
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.2.1	Processing system revision	ontime	8261.2374132276	Sum of GTIs [s]
caldsver	4.6.1	 	ontime0	8261.1963732243	Sum of GTIs [s]
date	2014-04-12T01:33:15	Date and time of file creation	ontime1	8261.155333221	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8261.1142932177	Sum of GTIs [s]
			ontime3	8261.2784532309	Sum of GTIs [s]
			ontime5	8261.0732532144	Sum of GTIs [s]
			ontime7	8261.2374132276	Sum of GTIs [s]
			l1events	802484	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	134513	132873	147566	148120	126951	112461	grade 0 events	13345	12934	13505	16240	11694	6784
rejected events	107972	106273	121306	119038	67407	62970		9%	9%	9%	10%	9%	6%
rejected %	80%	79%	82%	80%	53%	55%	grade 1 events	62	59	66	100	154	78
								0%	0%	0%	0%	0%	0%
							grade 2 events	5527	5734	5192	5200	20366	12364
								4%	4%	3%	3%	16%	10%
							grade 3 events	1857	1798	1834	1765	1659	4083
								1%	1%	1%	1%	1%	3%
							grade 4 events	1754	1830	1754	1806	1709	3866
								1%	1%	1%	1%	1%	3%
							grade 5 events	2668	2742	2553	2976	5554	6852
								1%	2%	1%	2%	4%	6%
							grade 6 events	4157	4397	4041	4163	24301	22570
								3%	3%	2%	2%	19%	20%
							grade 7 events	105143	103379	118621	115870	61514	55864
								78%	77%	80%	78%	48%	49%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	182.1554066679624
[deg] Pointing Dec	0	-37.94186834998133
[deg] Pointing Roll	0.0	327.7459976551661
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)	513602848.621905	513602848.621905
Observation start date	2014-04-11T11:27:29	2014-04-11T11:27:28
[s] Observation end time (MET)	513612927.551002	513612927.551002
Observation end date	2014-04-11T14:15:28	2014-04-11T14:15:27
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)	2014.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2612374132276

A.2 Comments