

V&V Reference Report

L2 ASCDS Version : 10

Observation 53481 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 14 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

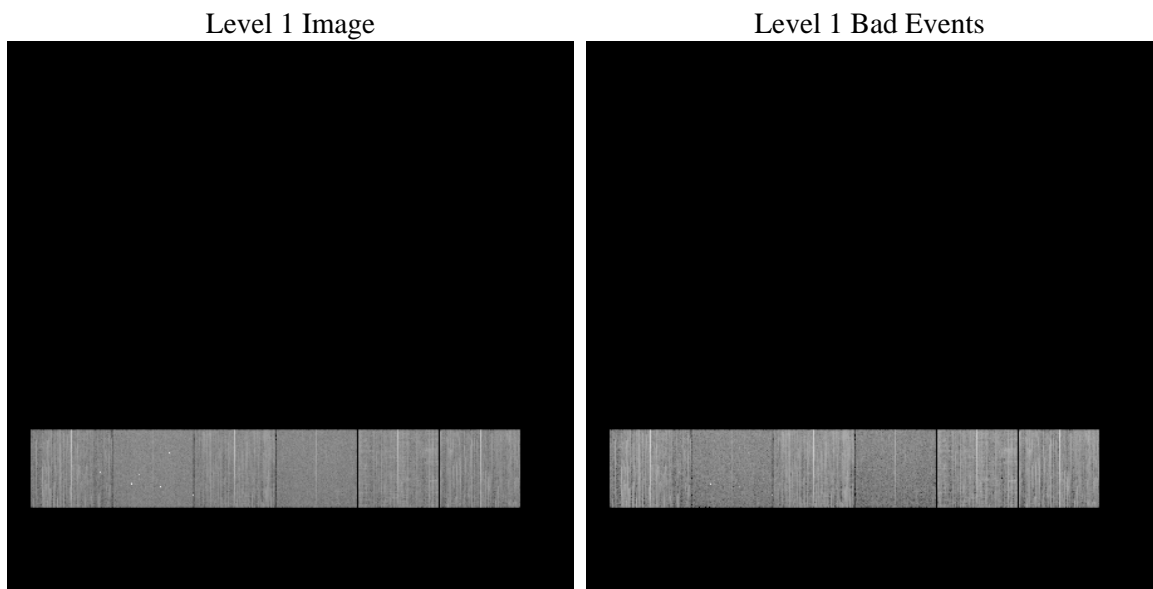
1 Front

seq_num	 	Sequence number
obs_id	53481	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	329.07806605243	Nominal RA [deg]
dec_nom	10.575842281942	Nominal Dec [deg]
roll_nom	164.76212197438	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8079.9999699593	Sum of GTIs [s]
livetime	7977.6861451478	Livetime [s]
ontime4	8079.9999699593	Sum of GTIs [s]
ontime5	8079.9999699593	Sum of GTIs [s]
ontime6	8079.9999699593	Sum of GTIs [s]
ontime7	8079.9999699593	Sum of GTIs [s]
ontime8	8079.9999699593	Sum of GTIs [s]
ontime9	8079.9999699593	Sum of GTIs [s]
l2events	228633	Number of level 2 events

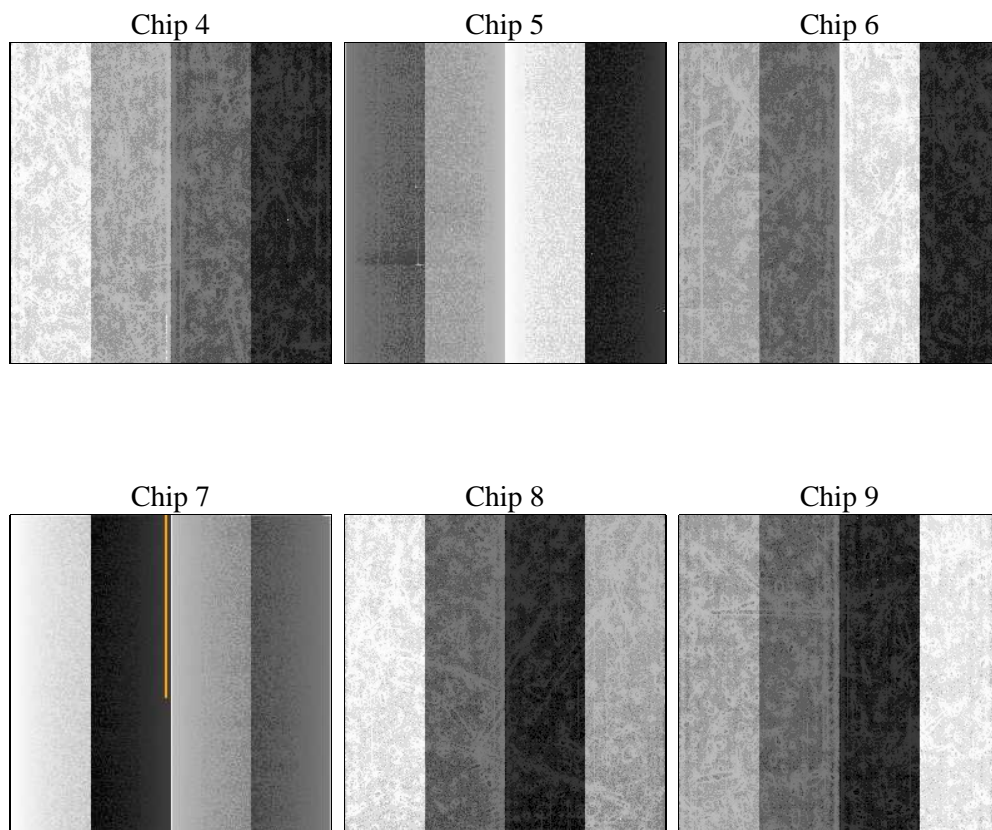
2 OBI

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	10	Processing system revision	ontime	8079.9999699593	Sum of GTIs [s]
caldbver	4.5.7	 	ontime4	8079.9999699593	Sum of GTIs [s]
date	2013-08-14T04:35:29	Date and time of file creation	ontime5	8079.9999699593	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8079.9999699593	Sum of GTIs [s]
			ontime7	8079.9999699593	Sum of GTIs [s]
			ontime8	8079.9999699593	Sum of GTIs [s]
			ontime9	8079.9999699593	Sum of GTIs [s]
			l1events	876971	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	147892	138809	154863	122675	159949	152783	grade 0 events	18394	11395	16809	8269	18885	16448
rejected events	115635	74052	122083	67087	119335	121085		12%	8%	10%	6%	11%	10%
rejected %	78%	53%	78%	54%	74%	79%	grade 1 events	137	249	81	72	101	106
								0%	0%	0%	0%	0%	0%
							grade 2 events	5868	23454	6675	14001	8633	6421
								3%	16%	4%	11%	5%	4%
							grade 3 events	2259	2205	2131	4823	3186	2219
								1%	1%	1%	3%	1%	1%
							grade 4 events	2261	2249	2221	4635	3159	2252
								1%	1%	1%	3%	1%	1%
							grade 5 events	3037	6233	3050	7520	3974	3494
								2%	4%	1%	6%	2%	2%
							grade 6 events	4549	27182	5979	25414	8130	5455
								3%	19%	3%	20%	5%	3%
							grade 7 events	111387	65842	117917	57941	113881	116388
								75%	47%	76%	47%	71%	76%

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	329.0780660524324
[deg] Pointing Dec	0	10.57584228194248
[deg] Pointing Roll	0.0	164.7621219743792
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)	492813129.181395	492813129.181395
Observation start date	2013-08-13T20:32:09	2013-08-13T20:32:09
[s] Observation end time (MET)	492822207.668519	492822207.668519
Observation end date	2013-08-13T23:03:28	2013-08-13T23:03:27
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)	2013.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0799999699593

A.2 Comments