

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52957 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 28 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

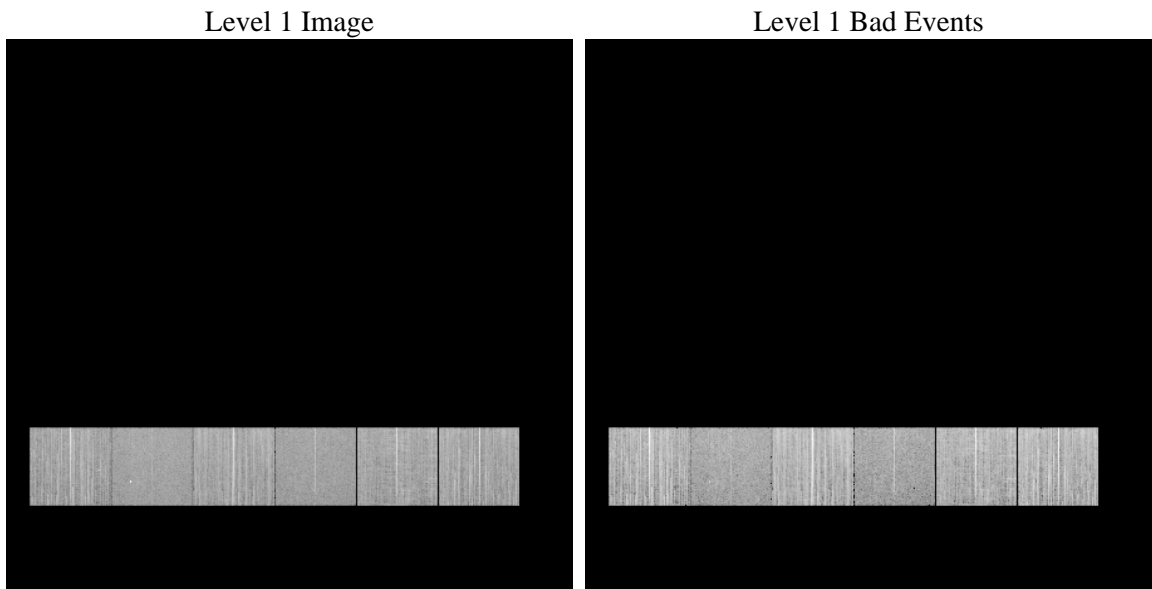
1 Front

seq_num	 	Sequence number
obs_id	52957	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	280.9838038774	Nominal RA [deg]
dec_nom	-15.775876067206	Nominal Dec [deg]
roll_nom	90.118180834244	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8278.3999692202	Sum of GTIs [s]
livetime	8173.5738841559	Livetime [s]
ontime4	8278.3999692202	Sum of GTIs [s]
ontime5	8278.3999692202	Sum of GTIs [s]
ontime6	8278.3999692202	Sum of GTIs [s]
ontime7	8278.3999692202	Sum of GTIs [s]
ontime8	8278.3999692202	Sum of GTIs [s]
ontime9	8278.3999692202	Sum of GTIs [s]
l2events	209444	Number of level 2 events

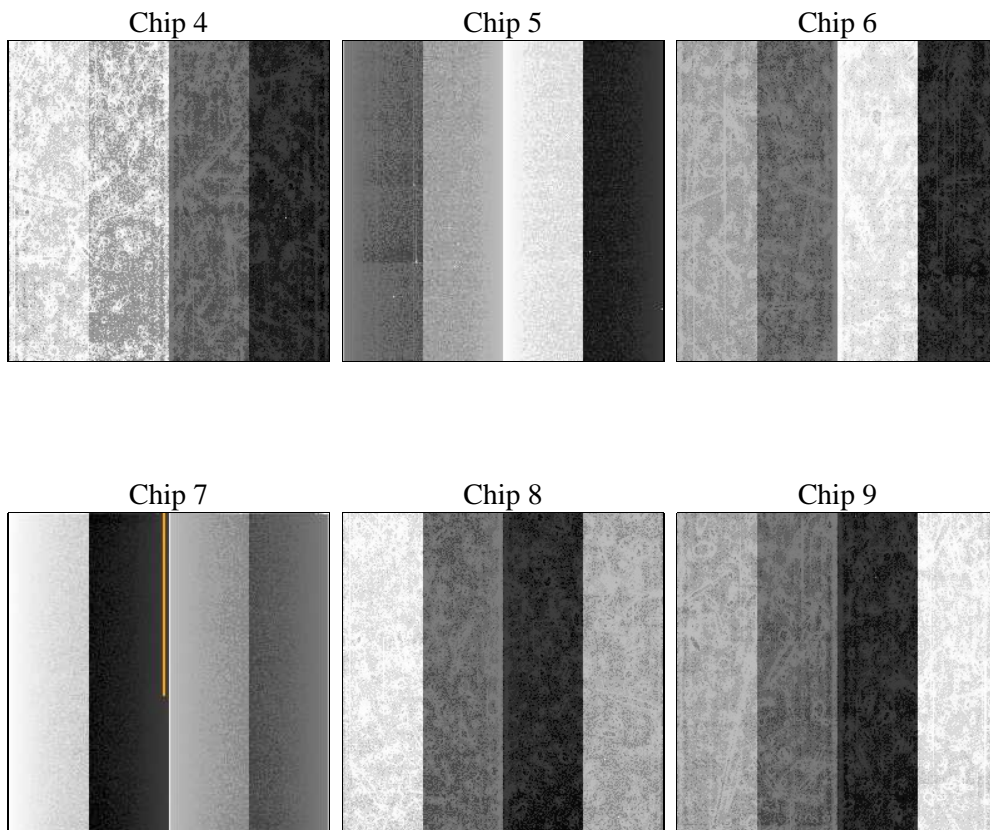
2 OBI

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	10.2.1	Processing system revision	ontime	8278.3999692202	Sum of GTIs [s]
caldbver	4.6.0	 	ontime4	8278.3999692202	Sum of GTIs [s]
date	2014-02-28T23:51:25	Date and time of file creation	ontime5	8278.3999692202	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8278.3999692202	Sum of GTIs [s]
			ontime7	8278.3999692202	Sum of GTIs [s]
			ontime8	8278.3999692202	Sum of GTIs [s]
			ontime9	8278.3999692202	Sum of GTIs [s]
			l1events	802952	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	136116	119514	150098	110655	139263	147306	grade 0 events	15391	4573	13234	6782	16907	14244
rejected events	107265	65862	120089	60059	101155	117918		11%	3%	8%	6%	12%	9%
rejected %	78%	55%	80%	54%	72%	80%	grade 1 events	124	171	55	65	80	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	5658	20417	7725	13030	8341	6124
								4%	17%	5%	11%	5%	4%
							grade 3 events	1981	1620	1752	3725	2813	1932
								1%	1%	1%	3%	2%	1%
							grade 4 events	1895	1601	1717	3676	2824	1934
								1%	1%	1%	3%	2%	1%
							grade 5 events	2737	4877	2547	5969	3461	2919
								2%	4%	1%	5%	2%	1%
							grade 6 events	3926	25441	5581	23383	7223	5154
								2%	21%	3%	21%	5%	3%
							grade 7 events	104404	60814	117487	54025	97614	114935
								76%	50%	78%	48%	70%	78%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	280.9838038773988	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-15.7758760672057	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	90.1181808342438	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	509983813.272427	509983812.24743			
Observation start date	2014-02-28T14:10:13	2014-02-28T14:10:12			
[s] Observation end time (MET)	509993991.522987	509993990.49799			
Observation end date	2014-02-28T16:59:52	2014-02-28T16:59:50			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.03.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999692202

A.2 Comments