

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53111 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 4 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

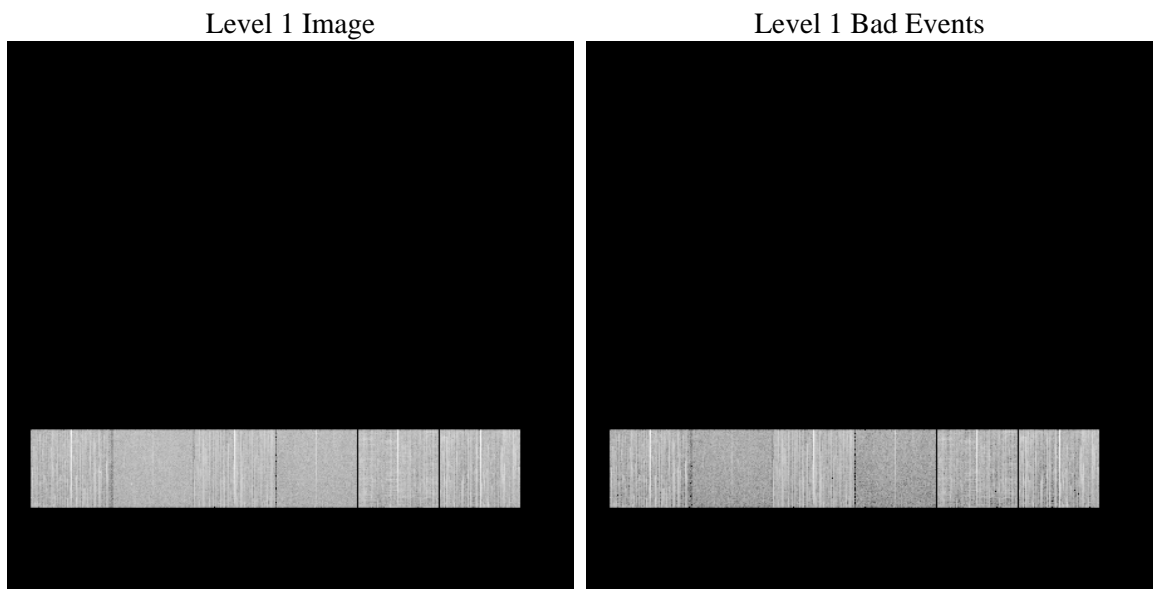
1 Front

seq_num	 	Sequence number
obs_id	53111	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	232.66481319588	Nominal RA [deg]
dec_nom	5.4608474806516	Nominal Dec [deg]
roll_nom	58.885596976553	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7142.3999734521	Sum of GTIs [s]
livetime	7051.9586043513	Livetime [s]
ontime4	7142.3999734521	Sum of GTIs [s]
ontime5	7142.3999734521	Sum of GTIs [s]
ontime6	7142.3999734521	Sum of GTIs [s]
ontime7	7142.3999734521	Sum of GTIs [s]
ontime8	7142.3999734521	Sum of GTIs [s]
ontime9	7142.3999734521	Sum of GTIs [s]
l2events	184211	Number of level 2 events

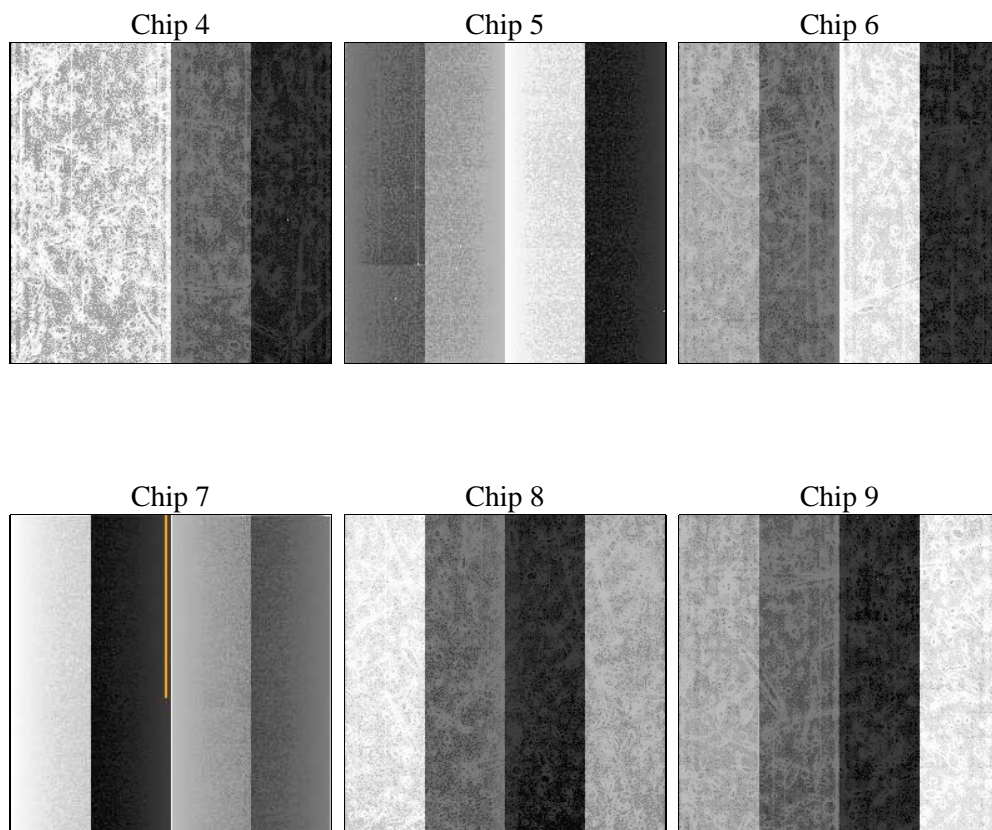
2 OBI

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	10.1.1	Processing system revision	ontime	7142.3999734521	Sum of GTIs [s]
caldsver	4.6.0	 	ontime4	7142.3999734521	Sum of GTIs [s]
date	2014-01-04T20:58:55	Date and time of file creation	ontime5	7142.3999734521	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7142.3999734521	Sum of GTIs [s]
			ontime7	7142.3999734521	Sum of GTIs [s]
			ontime8	7142.3999734521	Sum of GTIs [s]
			ontime9	7142.3999734521	Sum of GTIs [s]
			l1events	729103	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	122738	107699	136988	100054	124963	136661	grade 0 events	13165	4139	12388	6371	14604	12444
rejected events	97913	59724	111310	54510	92656	111577		10%	3%	9%	6%	11%	9%
rejected %	79%	55%	81%	54%	74%	81%	grade 1 events	100	98	50	59	72	84
								0%	0%	0%	0%	0%	0%
							grade 2 events	4716	18007	5471	11090	6650	4939
								3%	16%	3%	11%	5%	3%
							grade 3 events	1712	1538	1648	3680	2446	1772
								1%	1%	1%	3%	1%	1%
							grade 4 events	1780	1527	1636	3704	2392	1638
								1%	1%	1%	3%	1%	1%
							grade 5 events	2659	4878	2400	6044	3335	2822
								2%	4%	1%	6%	2%	2%
							grade 6 events	3463	22791	4550	20716	6225	4306
								2%	21%	3%	20%	4%	3%
							grade 7 events	95143	54721	108845	48390	89239	108656
								77%	50%	79%	48%	71%	79%

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	232.6648131958821	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	5.460847480651623	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	58.88559697655346	[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	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	505181829.458296	505181828.4333			
Observation start date	2014-01-04T00:17:09	2014-01-04T00:17:08			
[s] Observation end time (MET)	505193598.508943	505193597.48394			
Observation end date	2014-01-04T03:33:19	2014-01-04T03:33:17			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.01.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.1423999734521

A.2 Comments