

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 52750 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 26 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

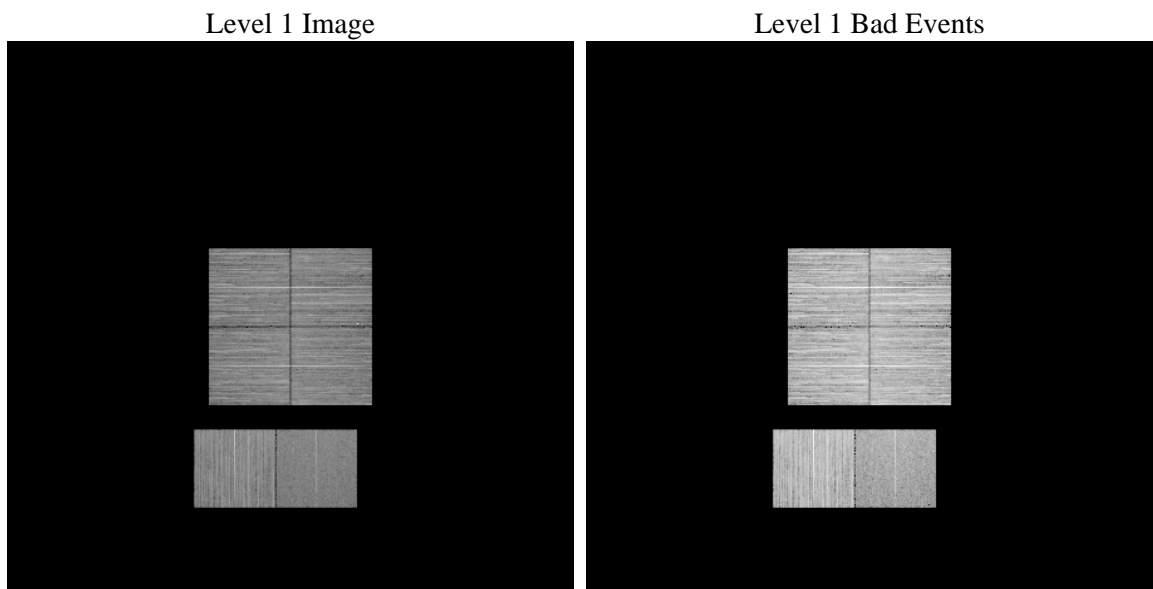
1 Front

seq_num	 	Sequence number
obs_id	52750	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	262.79979645903	Nominal RA [deg]
dec_nom	-0.95391922601527	Nominal Dec [deg]
roll_nom	137.57490432617	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8063.303496182	Sum of GTIs [s]
livetime	7961.2010921748	Livetime [s]
ontime0	8063.2624561787	Sum of GTIs [s]
ontime1	8063.2214161754	Sum of GTIs [s]
ontime2	8063.1803761721	Sum of GTIs [s]
ontime3	8063.3445361853	Sum of GTIs [s]
ontime6	8059.8983158469	Sum of GTIs [s]
ontime7	8063.303496182	Sum of GTIs [s]
l2events	170719	Number of level 2 events

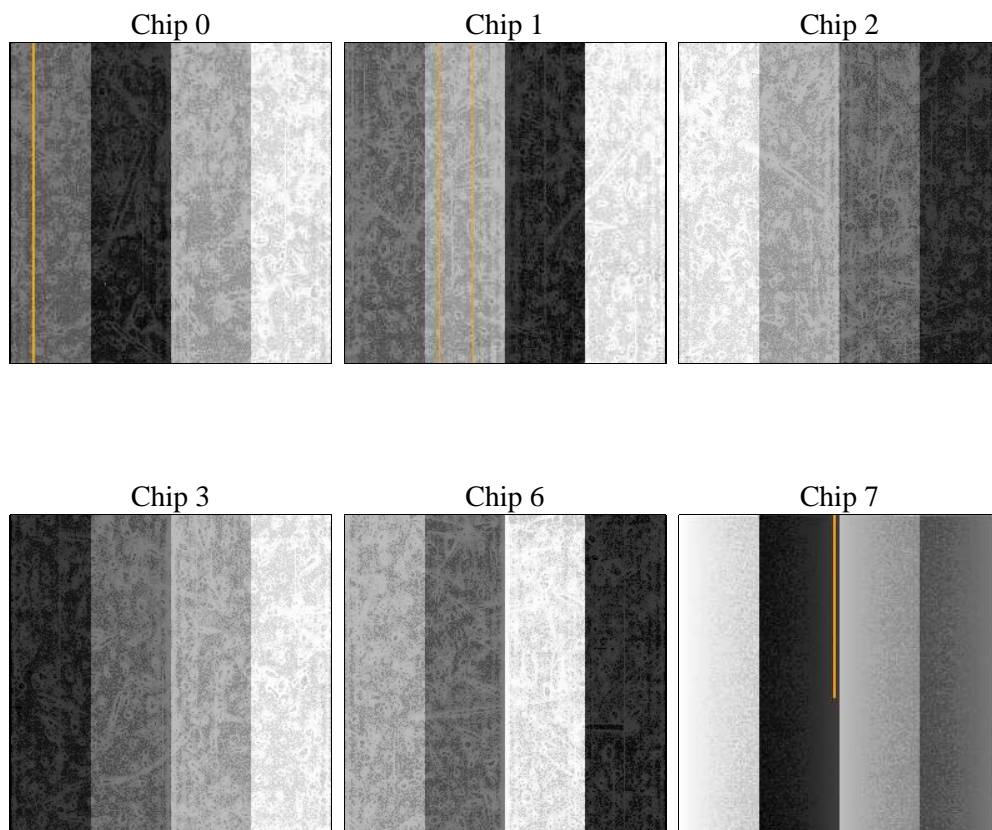
2 OBI

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	10.2.2	Processing system revision	ontime	8063.303496182	Sum of GTIs [s]
caldsver	4.6.1	 	ontime0	8063.2624561787	Sum of GTIs [s]
date	2014-05-27T03:02:58	Date and time of file creation	ontime1	8063.2214161754	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8063.1803761721	Sum of GTIs [s]
			ontime3	8063.3445361853	Sum of GTIs [s]
			ontime6	8059.8983158469	Sum of GTIs [s]
			ontime7	8063.303496182	Sum of GTIs [s]
			l1events	849220	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	142299	148574	145698	144045	152372	116232	grade 0 events	13312	15367	13686	13531	12967	6969
rejected events	116322	119824	119820	118148	125554	66194		9%	10%	9%	9%	8%	5%
rejected %	81%	80%	82%	82%	82%	56%	grade 1 events	67	54	67	70	61	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	5618	6030	5345	5269	6084	12903
								3%	4%	3%	3%	3%	11%
							grade 3 events	1850	1758	1853	1848	1870	4070
								1%	1%	1%	1%	1%	3%
							grade 4 events	1751	1722	1790	1869	1761	3934
								1%	1%	1%	1%	1%	3%
							grade 5 events	2614	2789	2464	3111	2890	6826
								1%	1%	1%	2%	1%	5%
							grade 6 events	4257	4741	4020	4175	4949	23617
								2%	3%	2%	2%	3%	20%
							grade 7 events	112830	116113	116473	114172	121790	57828
								79%	78%	79%	79%	79%	49%

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	262.7997964590301
[deg] Pointing Dec	0	-0.9539192260152738
[deg] Pointing Roll	0.0	137.5749043261688
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)	517488755.036445	517488755.036445
Observation start date	2014-05-26T10:52:35	2014-05-26T10:52:35
[s] Observation end time (MET)	517498129.469334	517498129.469334
Observation end date	2014-05-26T13:28:49	2014-05-26T13:28:49
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)	2014.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.063303496182

A.2 Comments