

V&V Reference Report

L2 ASCDS Version : 10

Observation 53483 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 11 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

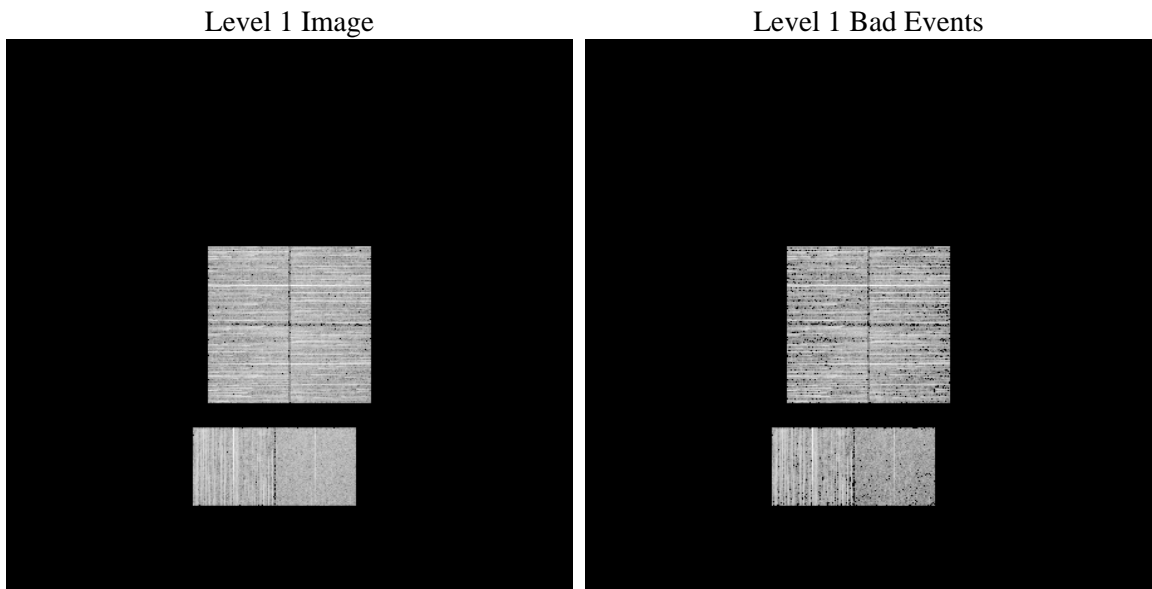
1 Front

seq_num	 	Sequence number
obs_id	53483	Observation id
title	ACIS-012367 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	262.96051914343	Nominal RA [deg]
dec_nom	-11.802513465989	Nominal Dec [deg]
roll_nom	259.55751908442	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3289.3859525323	Sum of GTIs [s]
livetime	3247.7337669709	Livetime [s]
ontime0	3289.344912529	Sum of GTIs [s]
ontime1	3289.3038725257	Sum of GTIs [s]
ontime2	3289.2628325224	Sum of GTIs [s]
ontime3	3289.4269925356	Sum of GTIs [s]
ontime6	3289.2217925191	Sum of GTIs [s]
ontime7	3289.3859525323	Sum of GTIs [s]
l2events	78663	Number of level 2 events

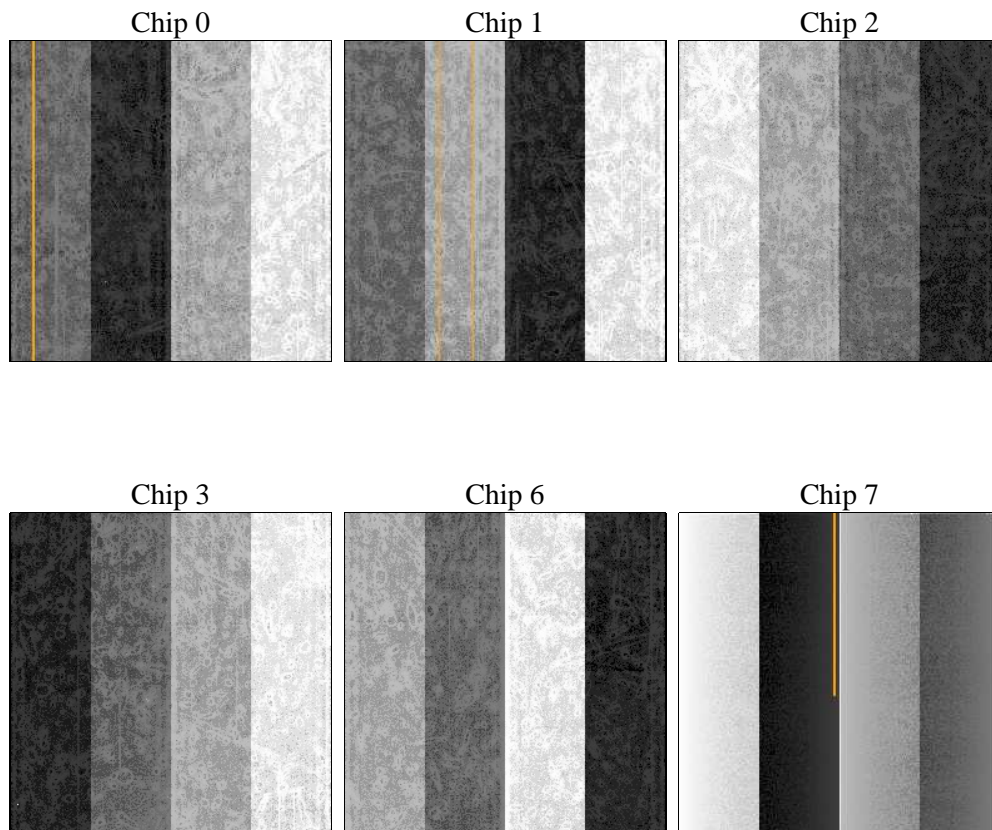
2 OBI

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	3289.3859525323	Sum of GTIs [s]
caldbver	4.5.7	 	ontime0	3289.344912529	Sum of GTIs [s]
date	2013-08-12T02:44:21	Date and time of file creation	ontime1	3289.3038725257	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3289.2628325224	Sum of GTIs [s]
			ontime3	3289.4269925356	Sum of GTIs [s]
			ontime6	3289.2217925191	Sum of GTIs [s]
			ontime7	3289.3859525323	Sum of GTIs [s]
			l1events	341001	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	55953	58446	60855	55484	62432	47831
rejected events	43896	46370	48392	43247	49978	25876
rejected %	78%	79%	79%	77%	80%	54%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	6041	5826	6415	6254	5846	3125
	10%	9%	10%	11%	9%	6%
grade 1 events	24	31	32	36	33	37
	0%	0%	0%	0%	0%	0%
grade 2 events	2479	2645	2467	2420	2893	5499
	4%	4%	4%	4%	4%	11%
grade 3 events	825	745	875	830	770	1658
	1%	1%	1%	1%	1%	3%
grade 4 events	787	778	821	881	722	1721
	1%	1%	1%	1%	1%	3%
grade 5 events	1126	1041	1049	1141	1068	2701
	2%	1%	1%	2%	1%	5%
grade 6 events	1925	2082	1885	1852	2223	9952
	3%	3%	3%	3%	3%	20%
grade 7 events	42746	45298	47311	42070	48877	23138
	76%	77%	77%	75%	78%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	262.9605191434251	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-11.80251346598875	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	259.5575190844246	[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)	492615185.270616	492615184.24562			
Observation start date	2013-08-11T13:33:05	2013-08-11T13:33:04			
[s] Observation end time (MET)	492622091.720992	492622090.69599			
Observation end date	2013-08-11T15:28:12	2013-08-11T15:28:10			
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)	2013.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2893859525323

A.2 Comments