

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 58820 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 7 2012

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

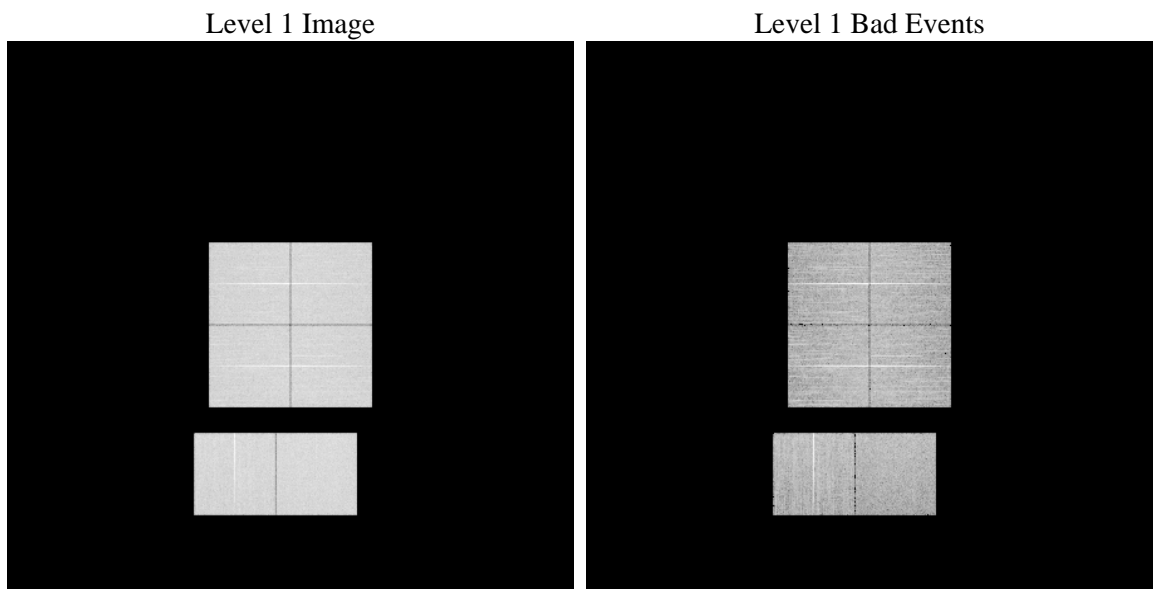
1 Front

seq_num	 	Sequence number
obs_id	58820	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	312.98179282377	Nominal RA [deg]
dec_nom	23.972545829361	Nominal Dec [deg]
roll_nom	207.09892985631	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7796.9744395614	Sum of GTIs [s]
livetime	7698.2444544333	Livetime [s]
ontime0	7796.9333995581	Sum of GTIs [s]
ontime1	7796.8923595548	Sum of GTIs [s]
ontime2	7793.6103292108	Sum of GTIs [s]
ontime3	7793.774469316	Sum of GTIs [s]
ontime6	7796.8102795482	Sum of GTIs [s]
ontime7	7796.9744395614	Sum of GTIs [s]
l2events	914536	Number of level 2 events

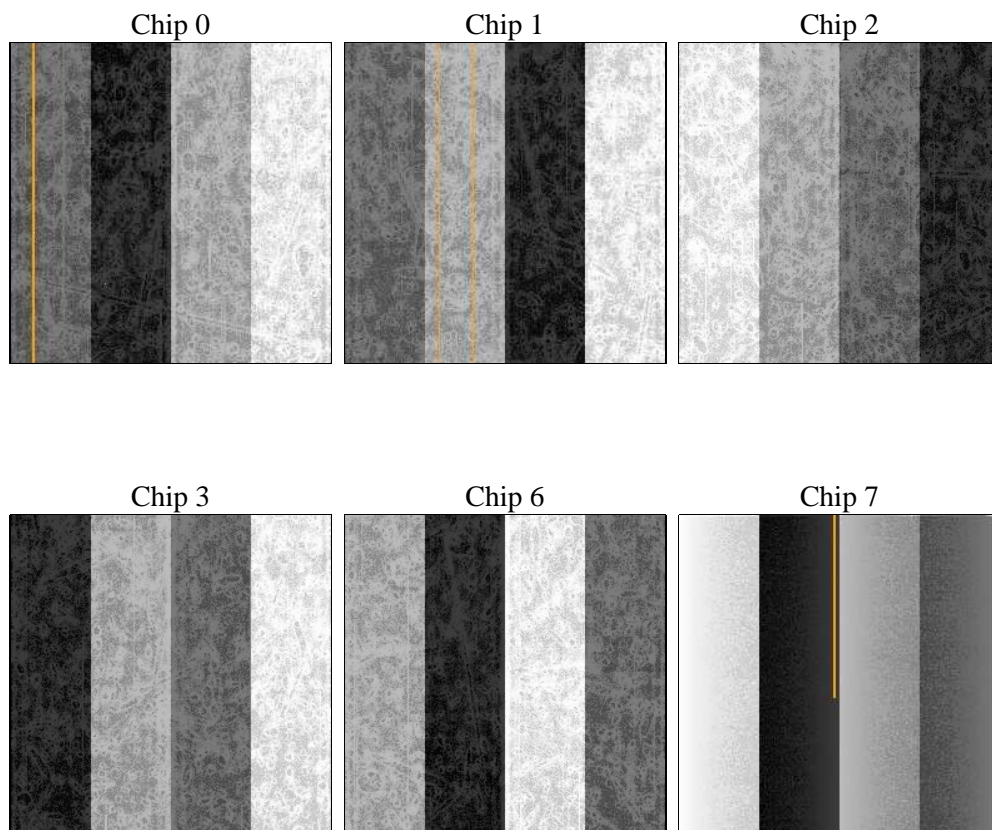
2 OBI

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	8.4.3.1	Processing system revision	ontime	7796.9744395614	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	7796.9333995581	Sum of GTIs [s]
date	2012-04-08T00:28:36	Date and time of file creation	ontime1	7796.8923595548	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7793.6103292108	Sum of GTIs [s]
			ontime3	7793.774469316	Sum of GTIs [s]
			ontime6	7796.8102795482	Sum of GTIs [s]
			ontime7	7796.9744395614	Sum of GTIs [s]
			l1events	1352829	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	218222	218679	221882	224374	230404	239268	grade 0 events	83440	82920	85156	86219	85171	41282
rejected events	64449	63117	68314	68313	69159	56481		38%	37%	38%	38%	36%	17%
rejected %	29%	28%	30%	30%	30%	23%	grade 1 events	575	530	634	615	509	170
								0%	0%	0%	0%	0%	0%
							grade 2 events	26962	28580	25425	26514	28245	40101
								12%	13%	11%	11%	12%	16%
							grade 3 events	9815	10085	10007	10220	10059	17323
								4%	4%	4%	4%	4%	7%
							grade 4 events	9892	9748	9980	10140	10181	17548
								4%	4%	4%	4%	4%	7%
							grade 5 events	3653	3760	3446	3945	4011	9579
								1%	1%	1%	1%	1%	4%
							grade 6 events	23664	24229	23000	22968	27589	66533
								10%	11%	10%	10%	11%	27%
							grade 7 events	60221	58827	64234	63753	64639	46732
								27%	26%	28%	28%	28%	19%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	312.9817928237719	Alternating exposures requested	N	N
[deg] Pointing Dec	0	23.97254582936063	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	207.0989298563056			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	272546854.415032	272546853.39004			
Observation start date	2006-08-21T11:27:34	2006-08-21T11:27:33			
[s] Observation end time (MET)	272564084.665841	272564083.64085			
Observation end date	2006-08-21T16:14:45	2006-08-21T16:14:43			
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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7969744395614

A.2 Comments