

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 62831 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 24 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

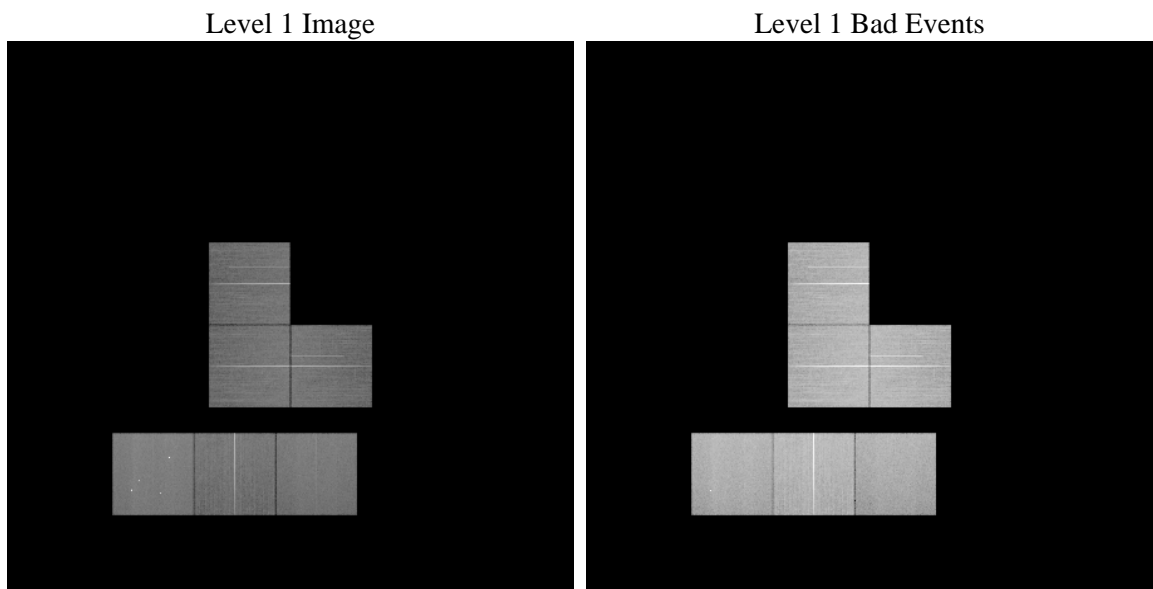
1 Front

seq_num	 	Sequence number
obs_id	62831	Observation id
title	ACIS-023567 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	284.43486608729	Nominal RA [deg]
dec_nom	-38.018472634	Nominal Dec [deg]
roll_nom	63.491366164228	Nominal Roll [deg]
revision	3	Processing version of data
ontime	47801.599821925	Sum of GTIs [s]
livetime	47196.307182312	Livetime [s]
ontime0	47791.876861125	Sum of GTIs [s]
ontime2	47788.63605985	Sum of GTIs [s]
ontime3	47795.117831439	Sum of GTIs [s]
ontime5	47801.599821925	Sum of GTIs [s]
ontime6	47791.876900882	Sum of GTIs [s]
ontime7	47801.599821925	Sum of GTIs [s]
l2events	431900	Number of level 2 events

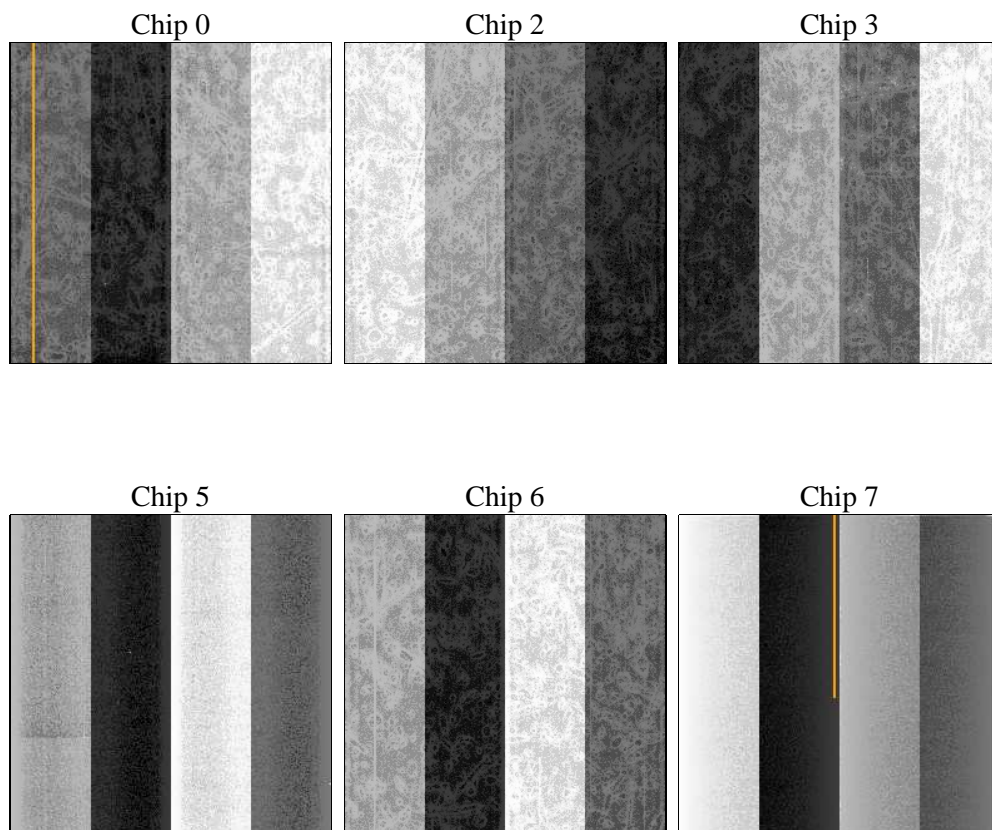
2 OBI

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	8.5.1.1	Processing system revision	ontime	47801.599821925	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	47791.876861125	Sum of GTIs [s]
date	2012-12-24T17:54:35	Date and time of file creation	ontime2	47788.63605985	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	47795.117831439	Sum of GTIs [s]
			ontime5	47801.599821925	Sum of GTIs [s]
			ontime6	47791.876900882	Sum of GTIs [s]
			ontime7	47801.599821925	Sum of GTIs [s]
			l1events	1960897	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7		ccd 0	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	279336	308314	299439	423273	312905	337630	grade 0 events	9334	9256	8850	29988	9575	12419
rejected events	250249	280421	272246	210047	282812	185695		3%	3%	2%	7%	3%	3%
rejected %	89%	90%	90%	49%	90%	54%	grade 1 events	147	157	177	1193	154	292
								0%	0%	0%	0%	0%	0%
							grade 2 events	7061	6776	5855	58870	6924	30194
								2%	2%	1%	13%	2%	8%
							grade 3 events	3511	3188	3295	8742	3422	14474
								1%	1%	1%	2%	1%	4%
							grade 4 events	3276	3268	3341	8472	3397	14446
								1%	1%	1%	2%	1%	4%
							grade 5 events	10830	10137	11785	33192	12642	36181
								3%	3%	3%	7%	4%	10%
							grade 6 events	5907	5408	5854	107169	6776	80415
								2%	1%	1%	25%	2%	23%
							grade 7 events	239270	270124	260282	175647	270015	149209
								85%	87%	86%	41%	86%	44%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-023567	ACIS-023567
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	284.4348660872939
[deg] Pointing Dec	0	-38.01847263400034
[deg] Pointing Roll	0.0	63.491366164228
[mm] SIM focus pos	-0.684267	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	-190.132523	51.99352612095925
[mm] SIM translation stage offset	0	74.99196277064232
[s] Observation start time (MET)	234753265.864319	234753264.83931
Observation start date	2005-06-10T01:14:26	2005-06-10T01:14:24
[s] Observation end time (MET)	234802847.166584	234802846.14157
Observation end date	2005-06-10T15:00:47	2005-06-10T15:00:46
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2013.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.801599821925

A.2 Comments