

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53923 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 23 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

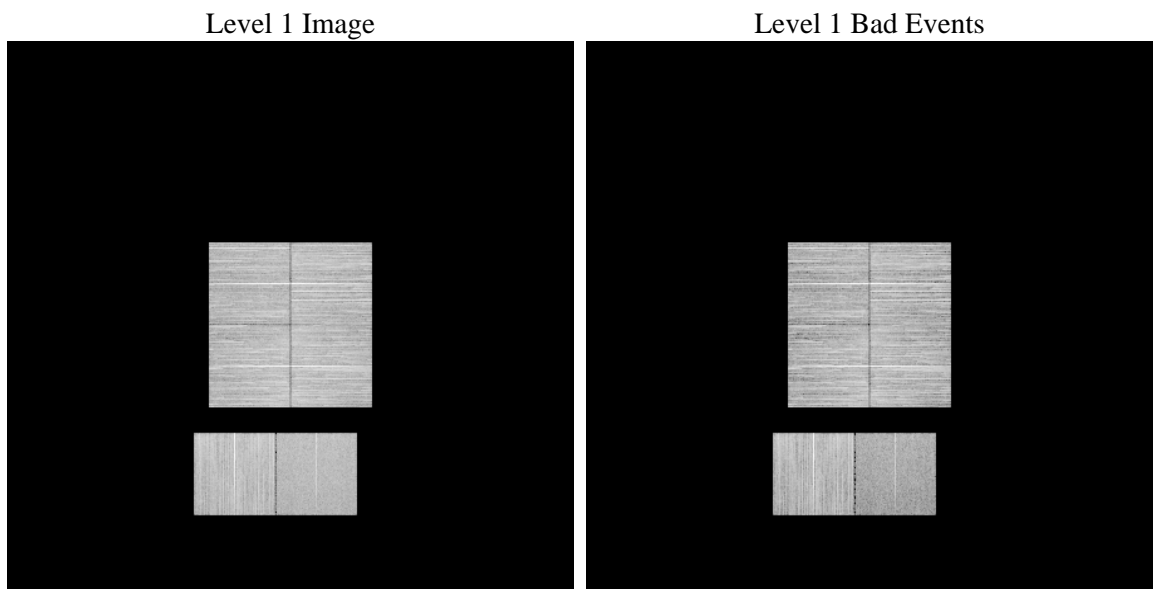
1 Front

seq_num	 	Sequence number
obs_id	53923	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	155.43392071956	Nominal RA [deg]
dec_nom	-3.5353595720483	Nominal Dec [deg]
roll_nom	186.89623224878	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7993.5999702811	Sum of GTIs [s]
livetime	7892.3801942894	Livetime [s]
ontime0	7993.5999702811	Sum of GTIs [s]
ontime1	7990.358999908	Sum of GTIs [s]
ontime2	7993.5999702811	Sum of GTIs [s]
ontime3	7993.5999702811	Sum of GTIs [s]
ontime6	7993.5999702811	Sum of GTIs [s]
ontime7	7993.5999702811	Sum of GTIs [s]
l2events	218524	Number of level 2 events

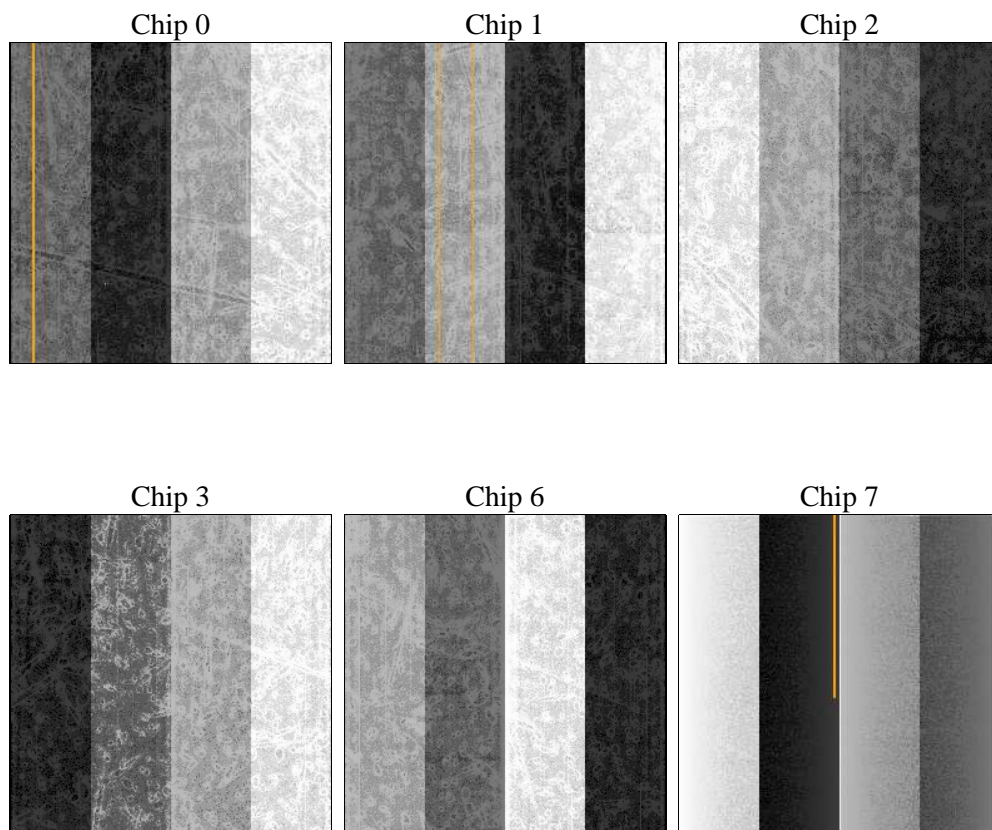
2 OBI

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	7993.5999702811	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	7993.5999702811	Sum of GTIs [s]
date	2013-02-23T09:04:42	Date and time of file creation	ontime1	7990.358999908	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7993.5999702811	Sum of GTIs [s]
			ontime3	7993.5999702811	Sum of GTIs [s]
			ontime6	7993.5999702811	Sum of GTIs [s]
			ontime7	7993.5999702811	Sum of GTIs [s]
			l1events	987217	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	157089	171606	171970	176056	173481	137015	grade 0 events	17640	17314	18307	18281	18110	9462
rejected events	123549	137813	138257	142477	138258	75126		11%	10%	10%	10%	10%	6%
rejected %	78%	80%	80%	80%	79%	54%	grade 1 events	96	92	123	105	97	91
								0%	0%	0%	0%	0%	0%
							grade 2 events	6909	7237	6687	6525	7309	15843
								4%	4%	3%	3%	4%	11%
							grade 3 events	2422	2342	2361	2298	2481	5427
								1%	1%	1%	1%	1%	3%
							grade 4 events	2387	2471	2435	2453	2414	5416
								1%	1%	1%	1%	1%	3%
							grade 5 events	3157	3194	2896	3412	3307	8378
								2%	1%	1%	1%	1%	6%
							grade 6 events	5501	5722	5110	5316	6248	28009
								3%	3%	2%	3%	3%	20%
							grade 7 events	118977	133234	134051	137666	133515	64389
								75%	77%	77%	78%	76%	46%

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	155.4339207195563
[deg] Pointing Dec	0	-3.535359572048265
[deg] Pointing Roll	0.0	186.8962322487791
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)	477960351.525643	477960351.525643
Observation start date	2013-02-22T22:45:52	2013-02-22T22:45:51
[s] Observation end time (MET)	477969899.610699	477969899.610699
Observation end date	2013-02-23T01:25:00	2013-02-23T01:24:59
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)	2013.02.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9935999702811

A.2 Comments