

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53976 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 2 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

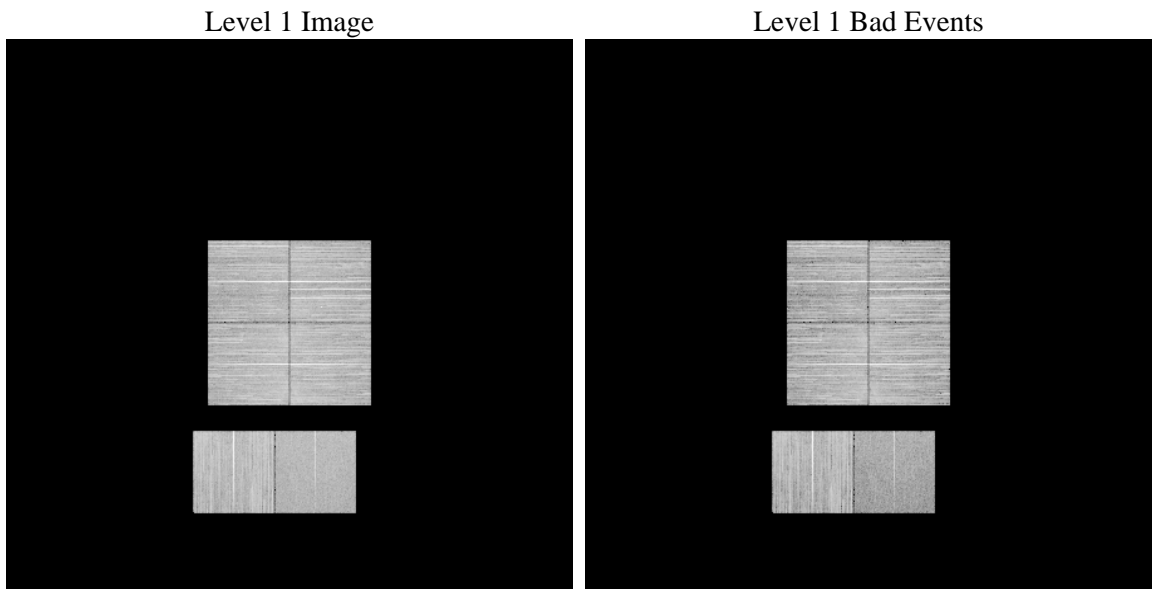
1 Front

seq_num	 	Sequence number
obs_id	53976	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	163.33858994239	Nominal RA [deg]
dec_nom	13.143627105271	Nominal Dec [deg]
roll_nom	78.065109346601	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8038.1607826948	Sum of GTIs [s]
livetime	7936.376750865	Livetime [s]
ontime0	8038.1197426915	Sum of GTIs [s]
ontime1	8038.0787026882	Sum of GTIs [s]
ontime2	8038.0376626849	Sum of GTIs [s]
ontime3	8038.2018226981	Sum of GTIs [s]
ontime6	8037.9966226816	Sum of GTIs [s]
ontime7	8038.1607826948	Sum of GTIs [s]
l2events	217823	Number of level 2 events

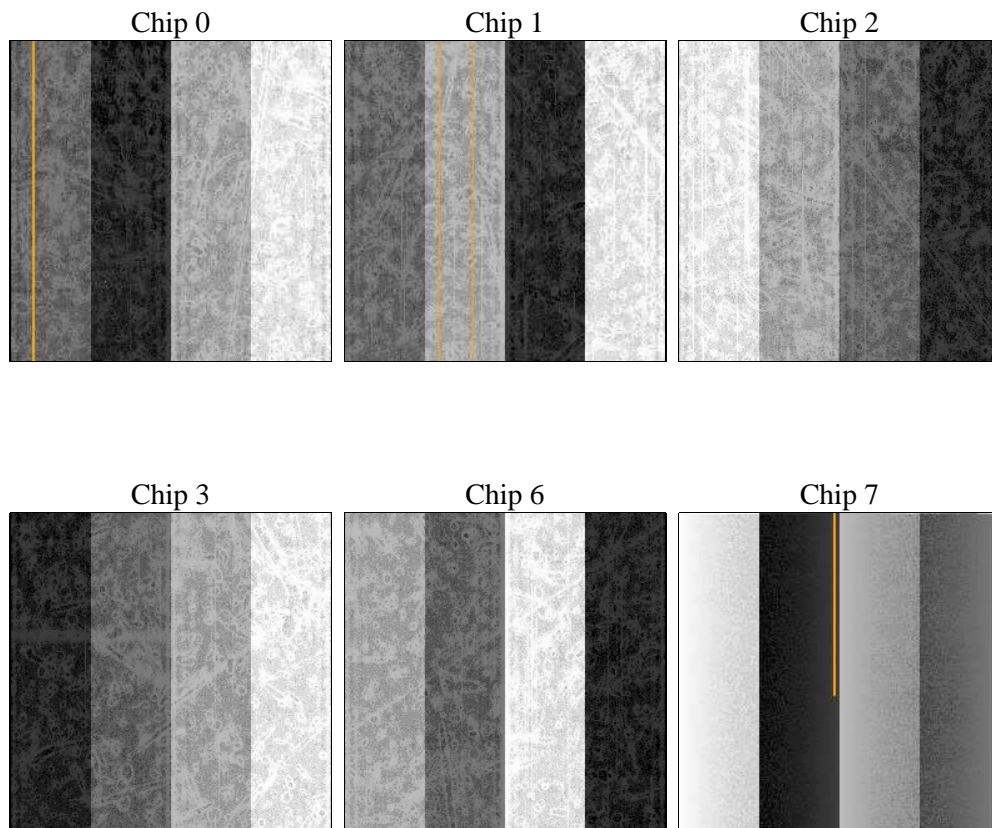
2 OBI

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	8038.1607826948	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	8038.1197426915	Sum of GTIs [s]
date	2013-02-02T21:26:27	Date and time of file creation	ontime1	8038.0787026882	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8038.0376626849	Sum of GTIs [s]
			ontime3	8038.2018226981	Sum of GTIs [s]
			ontime6	8037.9966226816	Sum of GTIs [s]
			ontime7	8038.1607826948	Sum of GTIs [s]
			l1events	1006538	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	158088	178582	177552	176339	177890	138087	grade 0 events	17009	16224	17907	18025	16551	8625
rejected events	124701	144616	143862	142500	142758	77191		10%	9%	10%	10%	9%	6%
rejected %	78%	80%	81%	80%	80%	55%	grade 1 events	91	67	105	112	78	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	7308	8516	6907	6904	8834	15556
								4%	4%	3%	3%	4%	11%
							grade 3 events	2232	2176	2415	2378	2164	5018
								1%	1%	1%	1%	1%	3%
							grade 4 events	2283	2171	2315	2312	2100	4855
								1%	1%	1%	1%	1%	3%
							grade 5 events	2991	2840	2792	3233	2954	7736
								1%	1%	1%	1%	1%	5%
							grade 6 events	5589	5884	5217	5226	6567	28790
								3%	3%	2%	2%	3%	20%
							grade 7 events	120585	140704	139894	138149	138642	67418
								76%	78%	78%	78%	77%	48%

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	163.3385899423882
[deg] Pointing Dec	0	13.14362710527114
[deg] Pointing Roll	0.0	78.06510934660096
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)	476162757.678526	476162757.678526
Observation start date	2013-02-02T03:25:58	2013-02-02T03:25:57
[s] Observation end time (MET)	476172547.599305	476172547.599305
Observation end date	2013-02-02T06:09:08	2013-02-02T06:09:07
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)	2013.02.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0381607826948

A.2 Comments