

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53690 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 16 2013

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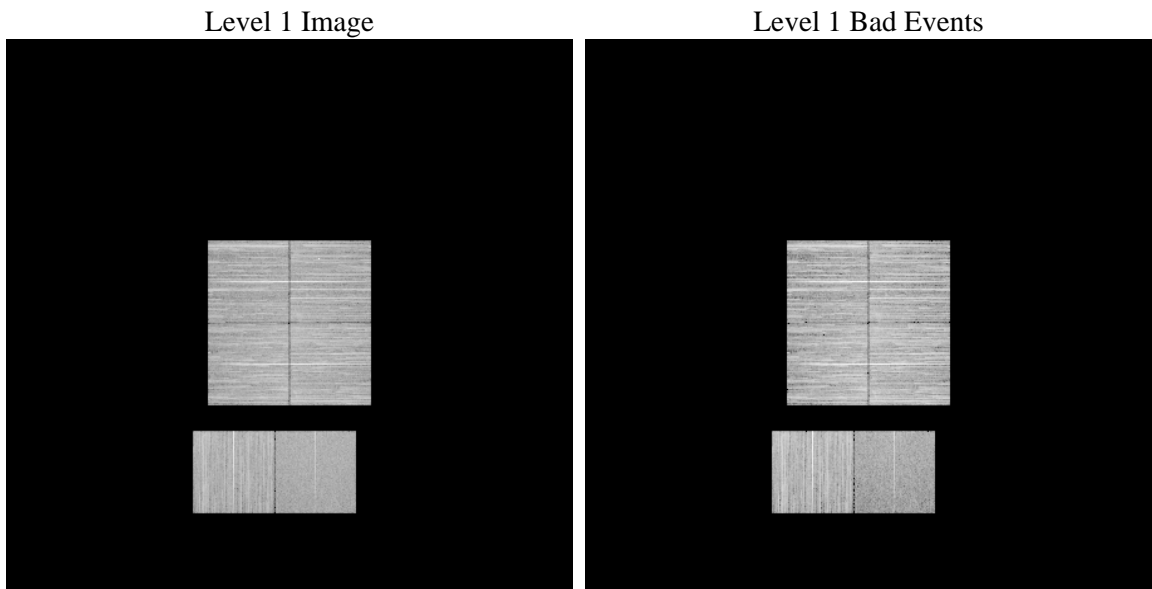
1 Front

seq_num	 	Sequence number
obs_id	53690	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	233.22574358636	Nominal RA [deg]
dec_nom	-2.0657004770736	Nominal Dec [deg]
roll_nom	186.66567467062	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8179.1999695897	Sum of GTIs [s]
livetime	8075.6300146518	Livetime [s]
ontime0	8179.1999695897	Sum of GTIs [s]
ontime1	8179.1999695897	Sum of GTIs [s]
ontime2	8179.1999695897	Sum of GTIs [s]
ontime3	8179.1999695897	Sum of GTIs [s]
ontime6	8179.1999695897	Sum of GTIs [s]
ontime7	8179.1999695897	Sum of GTIs [s]
l2events	214292	Number of level 2 events

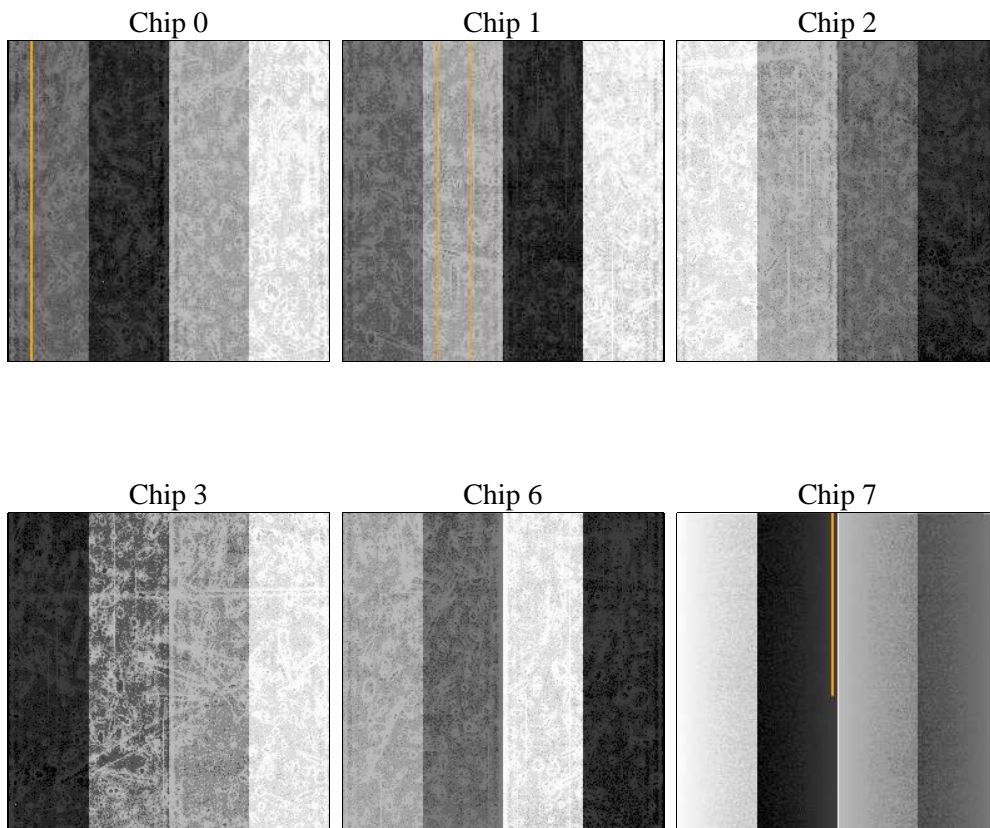
2 OBI

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	8179.1999695897	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8179.1999695897	Sum of GTIs [s]
date	2013-05-16T17:13:44	Date and time of file creation	ontime1	8179.1999695897	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8179.1999695897	Sum of GTIs [s]
			ontime3	8179.1999695897	Sum of GTIs [s]
			ontime6	8179.1999695897	Sum of GTIs [s]
			ontime7	8179.1999695897	Sum of GTIs [s]
			l1events	919875	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	148566	154168	159536	173743	158533	125329	grade 0 events	16921	16484	17357	17697	16304	8347
rejected events	114818	120369	126159	140048	123644	67758		11%	10%	10%	10%	10%	6%
rejected %	77%	78%	79%	80%	77%	54%	grade 1 events	68	61	86	104	76	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	7277	7856	6881	6762	8456	14564
								4%	5%	4%	3%	5%	11%
							grade 3 events	2235	2007	2229	2239	2169	4550
								1%	1%	1%	1%	1%	3%
							grade 4 events	2194	2067	2244	2262	2024	4329
								1%	1%	1%	1%	1%	3%
							grade 5 events	2695	2616	2509	3045	2739	7028
								1%	1%	1%	1%	1%	5%
							grade 6 events	5575	5846	5148	5171	6411	26600
								3%	3%	3%	2%	4%	21%
							grade 7 events	111601	117231	123082	136463	120354	59839
								75%	76%	77%	78%	75%	47%

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	233.225743586356
[deg] Pointing Dec	0	-2.06570047707356
[deg] Pointing Roll	0.0	186.6656746706191
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)	485074460.76074	485074460.76074
Observation start date	2013-05-16T06:54:21	2013-05-16T06:54:20
[s] Observation end time (MET)	485084517.686075	485084517.686075
Observation end date	2013-05-16T09:41:58	2013-05-16T09:41:57
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1791999695897

A.2 Comments