

V&V Reference Report

L2 ASCDS Version : 10

Observation 53537 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 24 2013

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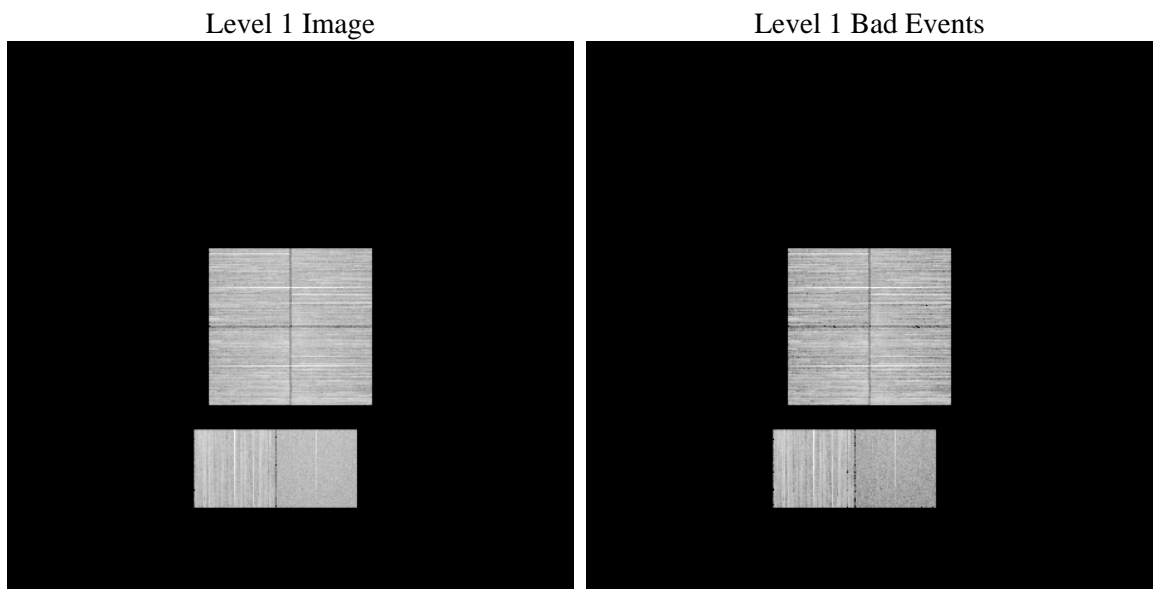
1 Front

seq_num	 	Sequence number
obs_id	53537	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	4.6142449765086	Nominal RA [deg]
dec_nom	34.529226990652	Nominal Dec [deg]
roll_nom	129.99937650616	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8086.3999699354	Sum of GTIs [s]
livetime	7984.0051044706	Livetime [s]
ontime0	8086.3999699354	Sum of GTIs [s]
ontime1	8086.3999699354	Sum of GTIs [s]
ontime2	8086.3999699354	Sum of GTIs [s]
ontime3	8086.3999699354	Sum of GTIs [s]
ontime6	8086.3999699354	Sum of GTIs [s]
ontime7	8086.3999699354	Sum of GTIs [s]
l2events	199432	Number of level 2 events

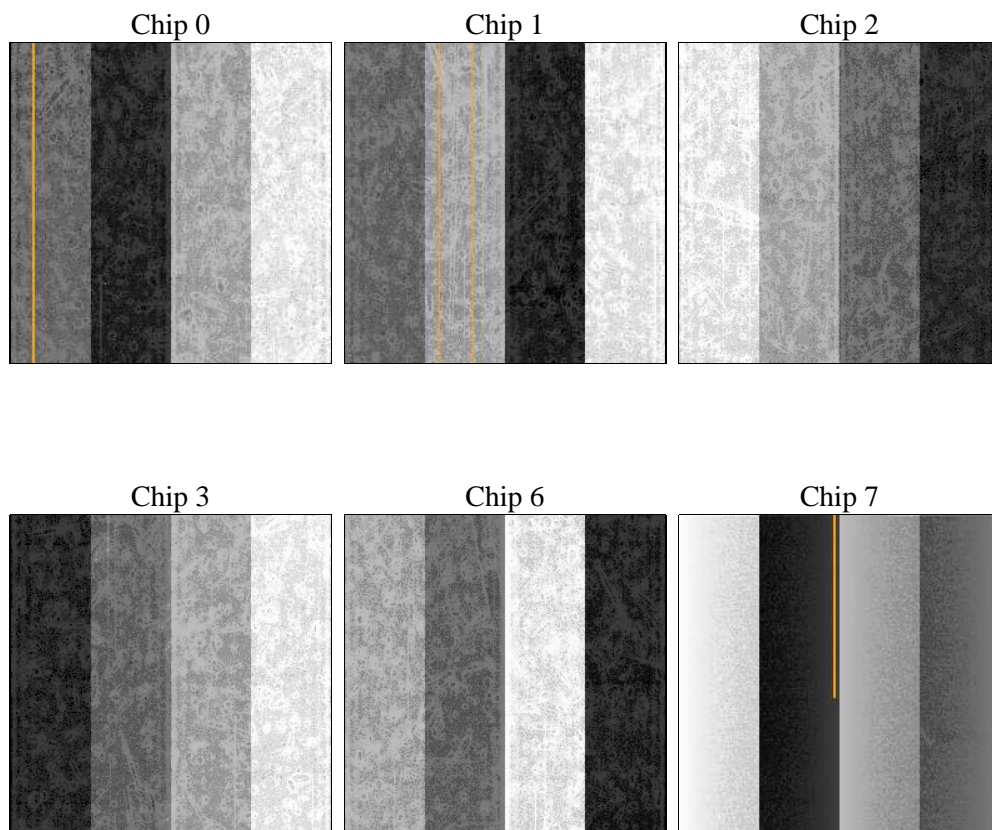
2 OBI

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	10	Processing system revision	ontime	8086.3999699354	Sum of GTIs [s]
caldsver	4.5.7	 	ontime0	8086.3999699354	Sum of GTIs [s]
date	2013-07-24T03:58:52	Date and time of file creation	ontime1	8086.3999699354	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8086.3999699354	Sum of GTIs [s]
			ontime3	8086.3999699354	Sum of GTIs [s]
			ontime6	8086.3999699354	Sum of GTIs [s]
			ontime7	8086.3999699354	Sum of GTIs [s]
			l1events	883605	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	146099	150077	149237	155044	158428	124720	grade 0 events	15784	15521	16401	16529	16252	8531
rejected events	115685	119457	118433	123924	126568	68348		10%	10%	10%	10%	10%	6%
rejected %	79%	79%	79%	79%	79%	54%	grade 1 events	93	75	88	94	59	73
								0%	0%	0%	0%	0%	0%
							grade 2 events	6152	6608	6164	6159	6476	14249
								4%	4%	4%	3%	4%	11%
							grade 3 events	2167	2127	2180	2270	2177	4740
								1%	1%	1%	1%	1%	3%
							grade 4 events	2167	2055	2125	2172	2145	4803
								1%	1%	1%	1%	1%	3%
							grade 5 events	2782	2932	2656	3311	3014	7699
								1%	1%	1%	2%	1%	6%
							grade 6 events	4893	5122	4707	4752	5615	25478
								3%	3%	3%	3%	3%	20%
							grade 7 events	112061	115637	114916	119757	122690	59147
								76%	77%	77%	77%	77%	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	4.614244976508579
[deg] Pointing Dec	0	34.52922699065172
[deg] Pointing Roll	0.0	129.9993765061564
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)	490986046.081866	490986046.081866
Observation start date	2013-07-23T17:00:46	2013-07-23T17:00:46
[s] Observation end time (MET)	490996106.229874	490996106.229874
Observation end date	2013-07-23T19:48:26	2013-07-23T19:48:26
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)	2013.07.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0863999699354

A.2 Comments