

V&V Reference Report

L2 ASCDS Version : 10

Observation 53487 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 11 2013

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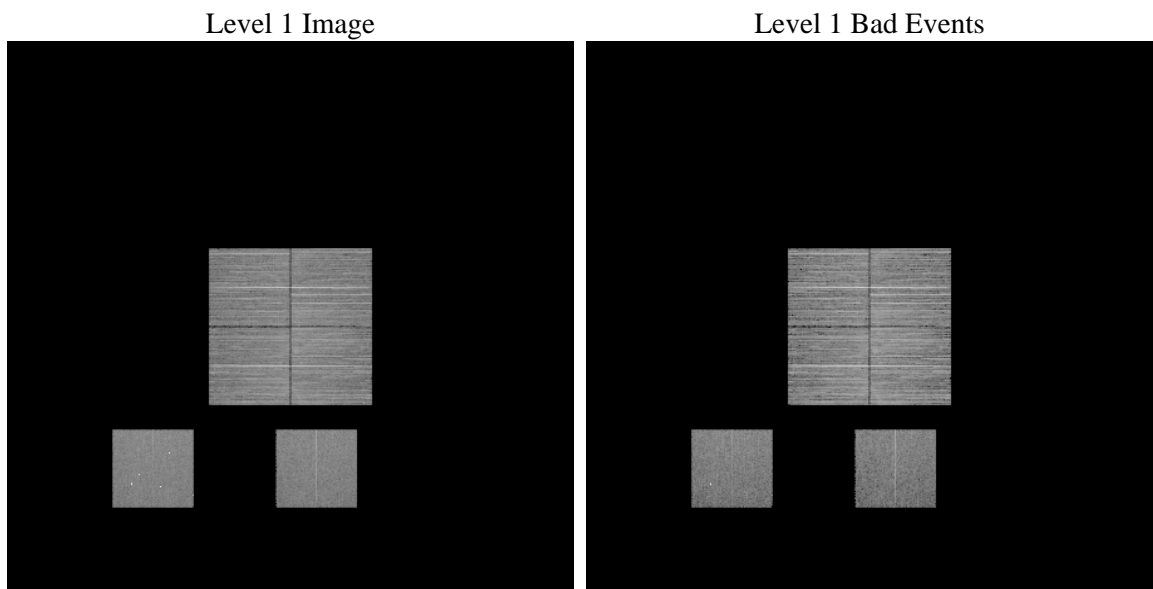
1 Front

seq_num	 	Sequence number
obs_id	53487	Observation id
title	ACIS-012357 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	282.10345999792	Nominal RA [deg]
dec_nom	-29.83486780387	Nominal Dec [deg]
roll_nom	293.86472211193	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8182.3999695778	Sum of GTIs [s]
livetime	8078.7894943132	Livetime [s]
ontime0	8182.3999695778	Sum of GTIs [s]
ontime1	8182.3999695778	Sum of GTIs [s]
ontime2	8182.3999695778	Sum of GTIs [s]
ontime3	8182.3999695778	Sum of GTIs [s]
ontime5	8182.3999695778	Sum of GTIs [s]
ontime7	8182.3999695778	Sum of GTIs [s]
l2events	228104	Number of level 2 events

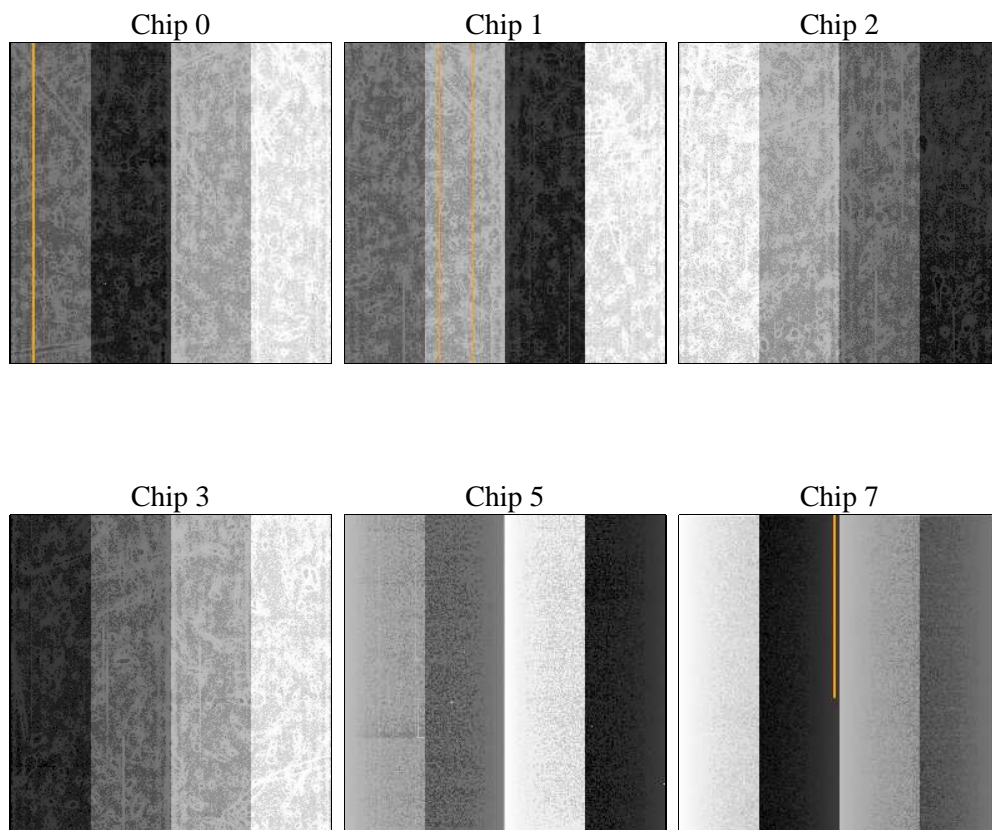
2 OBI

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	8182.3999695778	Sum of GTIs [s]
caldsver	4.5.7	 	ontime0	8182.3999695778	Sum of GTIs [s]
date	2013-08-11T12:45:49	Date and time of file creation	ontime1	8182.3999695778	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8182.3999695778	Sum of GTIs [s]
			ontime3	8182.3999695778	Sum of GTIs [s]
			ontime5	8182.3999695778	Sum of GTIs [s]
			ontime7	8182.3999695778	Sum of GTIs [s]
			l1events	832005	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	137111	145802	141891	151444	134461	121296	grade 0 events	16115	15615	16726	16819	11238	8406
rejected events	105593	114193	110245	119729	70643	65534		11%	10%	11%	11%	8%	6%
rejected %	77%	78%	77%	79%	52%	54%	grade 1 events	70	68	79	82	131	90
								0%	0%	0%	0%	0%	0%
							grade 2 events	6321	6827	6188	6053	22598	13795
								4%	4%	4%	3%	16%	11%
							grade 3 events	2239	2062	2183	2188	2158	4552
								1%	1%	1%	1%	1%	3%
							grade 4 events	2104	2154	2188	2163	2094	4601
								1%	1%	1%	1%	1%	3%
							grade 5 events	2726	2858	2614	3154	5723	7217
								1%	1%	1%	2%	4%	5%
							grade 6 events	5182	5393	4786	4950	26615	25142
								3%	3%	3%	3%	19%	20%
							grade 7 events	102354	110825	107127	116035	63904	57493
								74%	76%	75%	76%	47%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	282.1034599979247	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-29.83486780387028	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	293.8647221119259	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	492582463.168832	492582463.168832			
Observation start date	2013-08-11T04:27:43	2013-08-11T04:27:43			
[s] Observation end time (MET)	492592008.414993	492592008.414993			
Observation end date	2013-08-11T07:06:48	2013-08-11T07:06:48			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.08.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1823999695778

A.2 Comments