

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53852 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 21 2013

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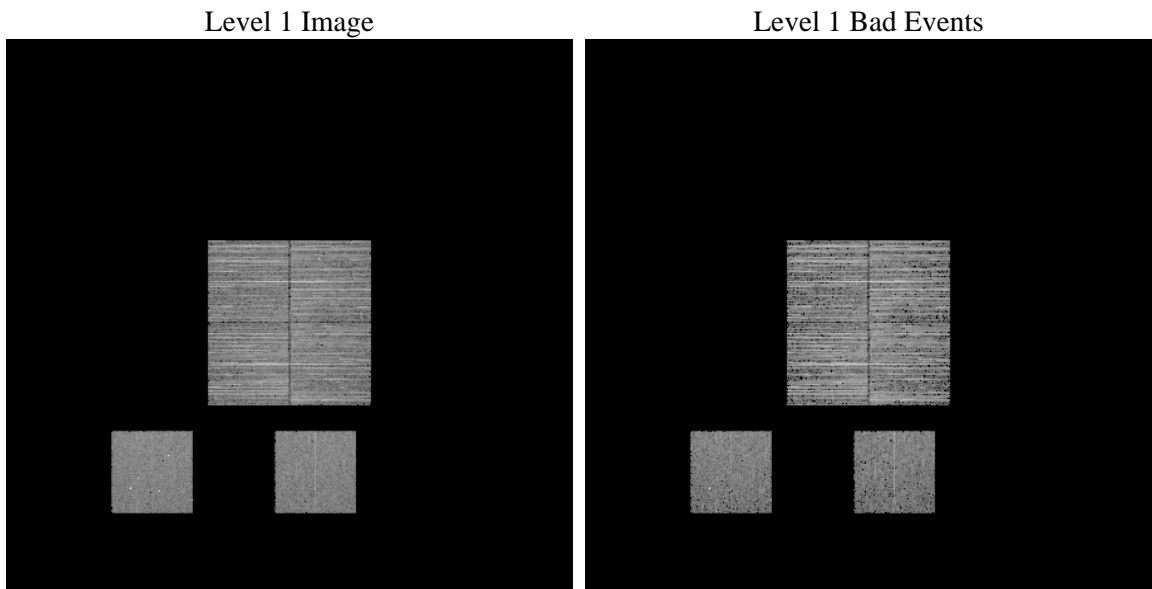
1 Front

seq_num	 	Sequence number
obs_id	53852	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	159.98430387474	Nominal RA [deg]
dec_nom	6.3933331822934	Nominal Dec [deg]
roll_nom	245.09854964523	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3100.7999885082	Sum of GTIs [s]
livetime	3061.5357919761	Livetime [s]
ontime0	3100.7999885082	Sum of GTIs [s]
ontime1	3100.7999885082	Sum of GTIs [s]
ontime2	3100.7999885082	Sum of GTIs [s]
ontime3	3100.7999885082	Sum of GTIs [s]
ontime5	3100.7999885082	Sum of GTIs [s]
ontime7	3100.7999885082	Sum of GTIs [s]
l2events	89982	Number of level 2 events

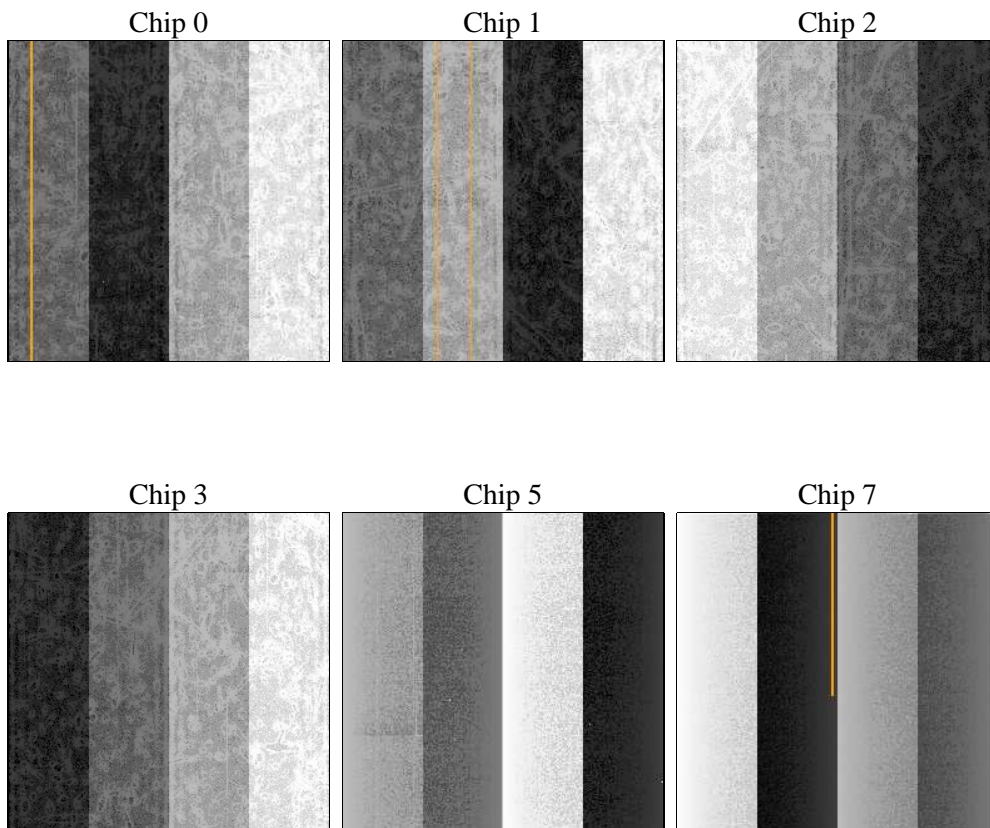
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	3100.7999885082	Sum of GTIs [s]
caldbver	4.5.6	 	ontime0	3100.7999885082	Sum of GTIs [s]
date	2013-03-21T20:45:45	Date and time of file creation	ontime1	3100.7999885082	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3100.7999885082	Sum of GTIs [s]
			ontime3	3100.7999885082	Sum of GTIs [s]
			ontime5	3100.7999885082	Sum of GTIs [s]
			ontime7	3100.7999885082	Sum of GTIs [s]
			l1events	351037	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	59820	61083	66154	58721	55338	49921	grade 0 events	6855	6811	6869	6889	4785	3620
rejected events	47236	48261	53733	46274	30153	27766		11%	11%	10%	11%	8%	7%
rejected %	78%	79%	81%	78%	54%	55%	grade 1 events	32	20	41	46	234	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	2718	2845	2503	2522	9294	5816
								4%	4%	3%	4%	16%	11%
							grade 3 events	909	853	930	871	850	1909
								1%	1%	1%	1%	1%	3%
							grade 4 events	853	893	909	911	896	1902
								1%	1%	1%	1%	1%	3%
							grade 5 events	1219	1157	1106	1190	2381	3104
								2%	1%	1%	2%	4%	6%
							grade 6 events	2005	2158	1970	2053	10950	10270
								3%	3%	2%	3%	19%	20%
							grade 7 events	45229	46346	51826	44239	25948	23269
								75%	75%	78%	75%	46%	46%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	159.9843038747447
[deg] Pointing Dec	0	6.39333318229335
[deg] Pointing Roll	0.0	245.0985496452341
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)	480248543.199417	480248543.199417
Observation start date	2013-03-21T10:22:23	2013-03-21T10:22:23
[s] Observation end time (MET)	480253091.519543	480253091.519543
Observation end date	2013-03-21T11:38:12	2013-03-21T11:38:11
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.03.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1007999885082

A.2 Comments