

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 52157 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 19 2015

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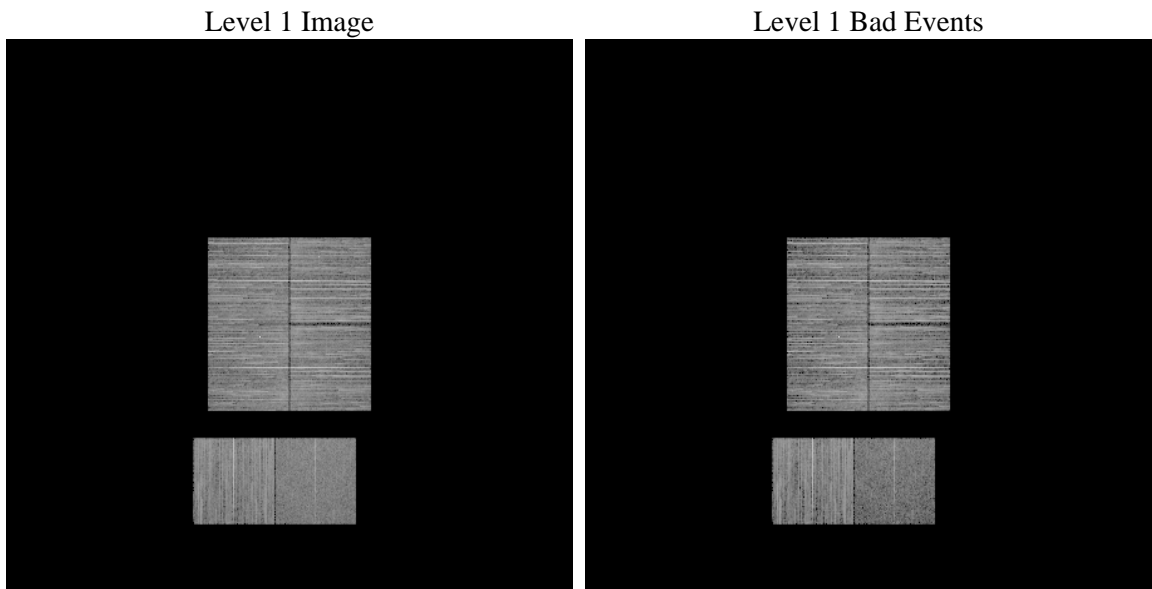
1 Front

seq_num	 	Sequence number
obs_id	52157	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	120.96885415073	Nominal RA [deg]
dec_nom	-0.31558469427163	Nominal Dec [deg]
roll_nom	306.26141329723	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5171.2000770569	Sum of GTIs [s]
livetime	5105.7192279583	Livetime [s]
ontime0	5171.2000770569	Sum of GTIs [s]
ontime1	5171.2000770569	Sum of GTIs [s]
ontime2	5171.2000770569	Sum of GTIs [s]
ontime3	5171.2000770569	Sum of GTIs [s]
ontime6	5171.2000770569	Sum of GTIs [s]
ontime7	5171.2000770569	Sum of GTIs [s]
l2events	97941	Number of level 2 events

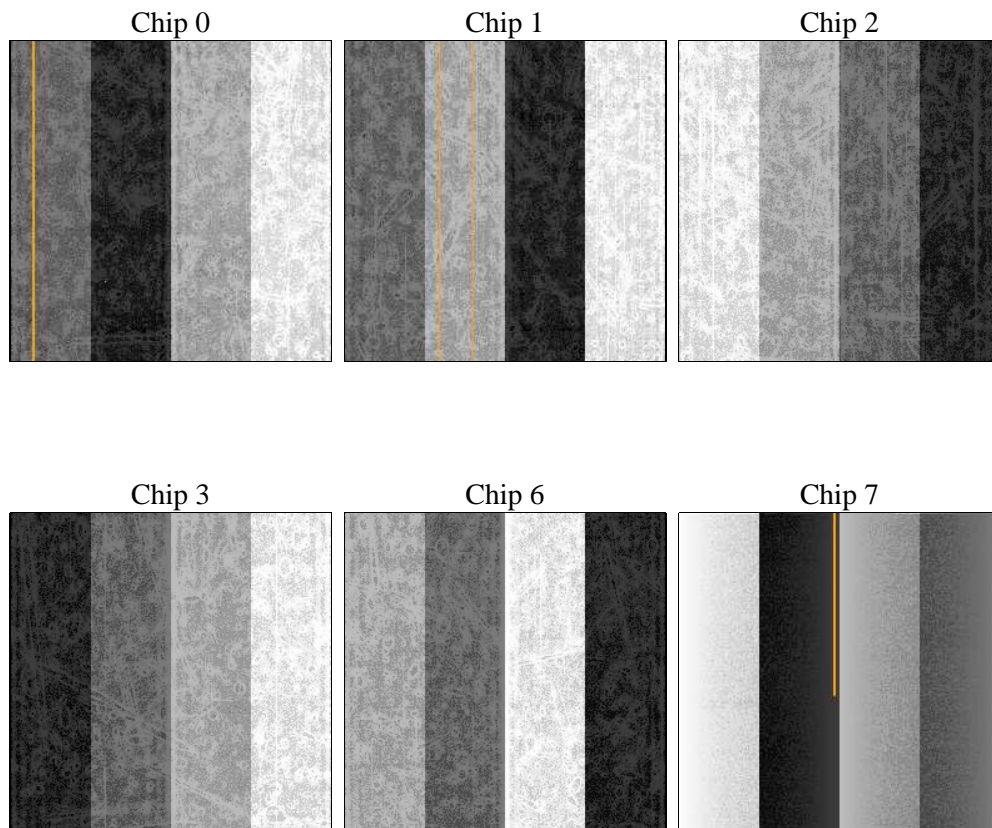
2 OBI

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	10.3.1	Processing system revision	ontime	5171.2000770569	Sum of GTIs [s]
caldsver	4.6.5	 	ontime0	5171.2000770569	Sum of GTIs [s]
date	2015-01-19T22:12:10	Date and time of file creation	ontime1	5171.2000770569	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5171.2000770569	Sum of GTIs [s]
			ontime3	5171.2000770569	Sum of GTIs [s]
			ontime6	5171.2000770569	Sum of GTIs [s]
			ontime7	5171.2000770569	Sum of GTIs [s]
			l1events	575793	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	96764	103388	100420	100594	98102	76525	grade 0 events	7221	7219	7708	7536	7121	4142
rejected events	82403	88578	85455	86175	83220	45553		7%	6%	7%	7%	7%	5%
rejected %	85%	85%	85%	85%	84%	59%	grade 1 events	30	36	44	50	40	49
								0%	0%	0%	0%	0%	0%
							grade 2 events	3198	3552	3261	3080	3387	8108
								3%	3%	3%	3%	3%	10%
							grade 3 events	1087	992	1114	1058	1024	2469
								1%	0%	1%	1%	1%	3%
							grade 4 events	989	1027	1097	1003	986	2410
								1%	0%	1%	0%	1%	3%
							grade 5 events	1862	1721	1750	2055	1950	4692
								1%	1%	1%	2%	1%	6%
							grade 6 events	2434	2603	2393	2304	2937	15024
								2%	2%	2%	2%	2%	19%
							grade 7 events	79943	86238	83053	83508	80657	39631
								82%	83%	82%	83%	82%	51%

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	120.9688541507261
[deg] Pointing Dec	0	-0.3155846942716303
[deg] Pointing Roll	0.0	306.2614132972272
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)	538055266.378615	538055266.378615
Observation start date	2015-01-19T11:47:46	2015-01-19T11:47:46
[s] Observation end time (MET)	538061904.464136	538061904.464136
Observation end date	2015-01-19T13:38:24	2015-01-19T13:38:24
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)	2015.01.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1712000770569

A.2 Comments