

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 52007 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 19 2015

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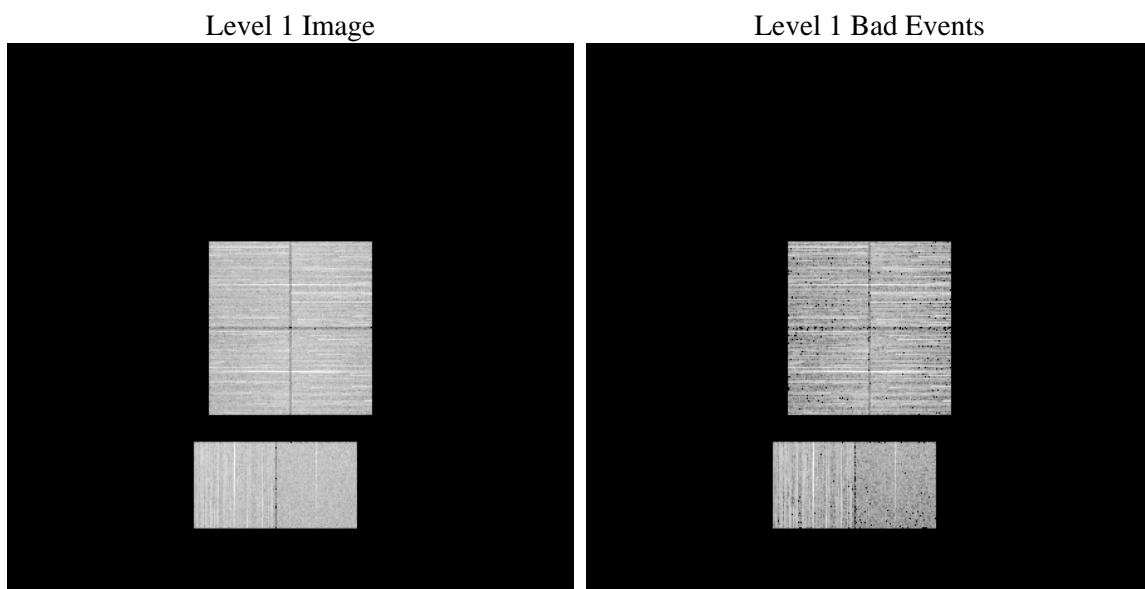
1 Front

seq_num	 	Sequence number
obs_id	52007	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	52.108774674995	Nominal RA [deg]
dec_nom	-26.927872832264	Nominal Dec [deg]
roll_nom	253.08139790966	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3712.0000553131	Sum of GTIs [s]
livetime	3664.9964755146	Livetime [s]
ontime0	3712.0000553131	Sum of GTIs [s]
ontime1	3712.0000553131	Sum of GTIs [s]
ontime2	3705.5181444883	Sum of GTIs [s]
ontime3	3712.0000553131	Sum of GTIs [s]
ontime6	3669.8675010204	Sum of GTIs [s]
ontime7	3712.0000553131	Sum of GTIs [s]
l2events	228424	Number of level 2 events

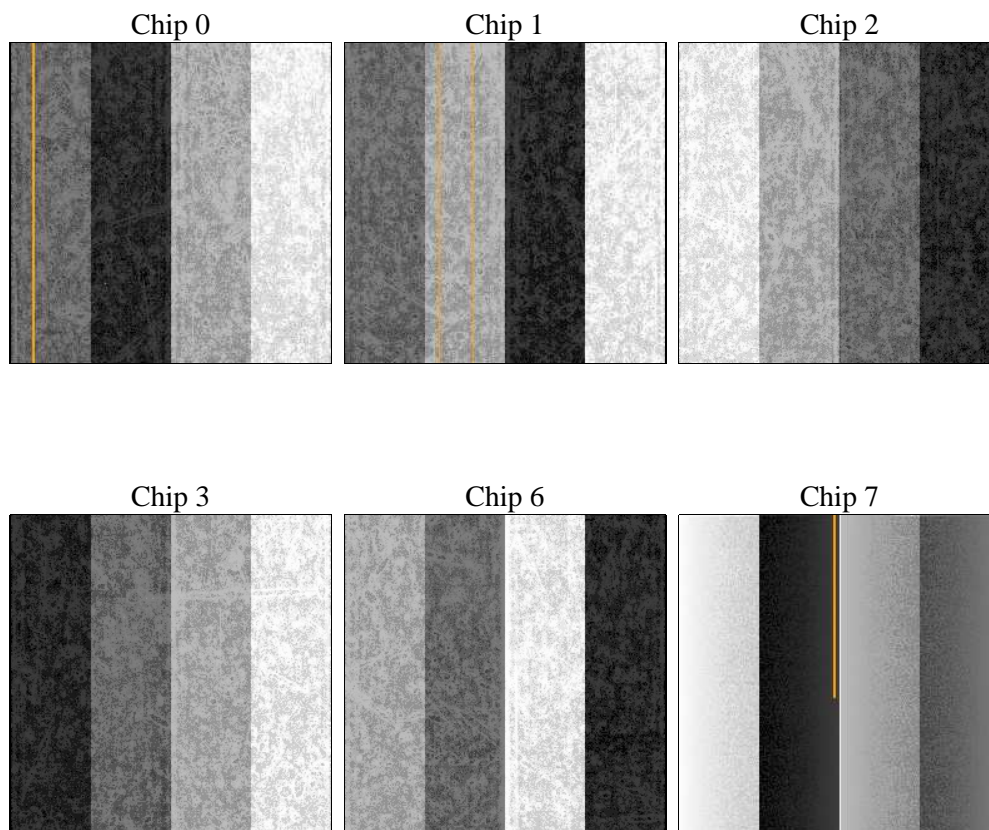
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	3712.0000553131	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	3712.0000553131	Sum of GTIs [s]
date	2015-03-19T11:17:51	Date and time of file creation	ontime1	3712.0000553131	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3705.5181444883	Sum of GTIs [s]
			ontime3	3712.0000553131	Sum of GTIs [s]
			ontime6	3669.8675010204	Sum of GTIs [s]
			ontime7	3712.0000553131	Sum of GTIs [s]
			l1events	538941	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	87941	99628	86740	91849	98349	74434	grade 0 events	18056	16010	18235	18331	16425	7978
rejected events	48161	59992	48629	52921	57319	30898		20%	16%	21%	19%	16%	10%
rejected %	54%	60%	56%	57%	58%	41%	grade 1 events	96	69	109	126	91	32
								0%	0%	0%	0%	0%	0%
							grade 2 events	9101	10893	7967	7891	10617	11761
								10%	10%	9%	8%	10%	15%
							grade 3 events	2217	1989	2245	2330	2004	2722
								2%	1%	2%	2%	2%	3%
							grade 4 events	2145	2095	2244	2417	2127	2770
								2%	2%	2%	2%	2%	3%
							grade 5 events	1318	1291	1226	1357	1333	2937
								1%	1%	1%	1%	1%	3%
							grade 6 events	8261	8649	7420	7959	9857	18305
								9%	8%	8%	8%	10%	24%
							grade 7 events	46747	58632	47294	51438	55895	27929
								53%	58%	54%	56%	56%	37%

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	52.10877467499473
[deg] Pointing Dec	0	-26.92787283226374
[deg] Pointing Roll	0.0	253.081397909665
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	543122134.811831	543122133.7868299
Observation start date	2015-03-19T03:15:35	2015-03-19T03:15:33
[s] Observation end time (MET)	543127614.4621381	543127613.43714
Observation end date	2015-03-19T04:46:54	2015-03-19T04:46:53
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2015.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.7120000553131

A.2 Comments