

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 52239 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 21 2014

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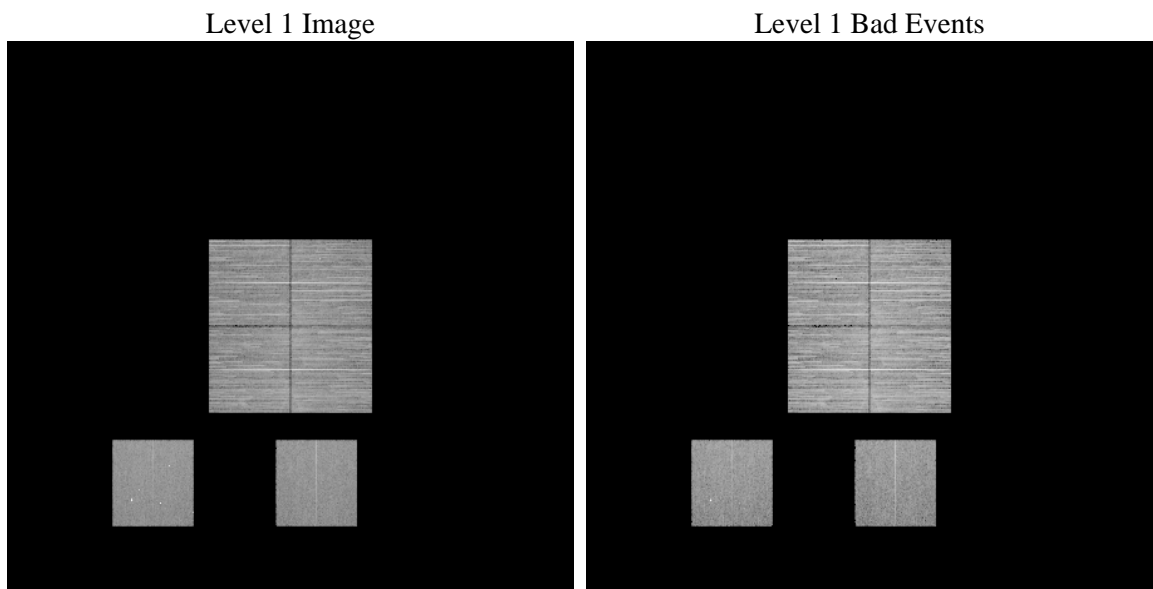
1 Front

seq_num	 	Sequence number
obs_id	52239	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	105.24721546131	Nominal RA [deg]
dec_nom	35.306373381873	Nominal Dec [deg]
roll_nom	179.53785745878	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8092.7999699116	Sum of GTIs [s]
livetime	7990.3240637934	Livetime [s]
ontime0	8092.7999699116	Sum of GTIs [s]
ontime1	8092.7999699116	Sum of GTIs [s]
ontime2	8092.7999699116	Sum of GTIs [s]
ontime3	8092.7999699116	Sum of GTIs [s]
ontime5	8092.7999699116	Sum of GTIs [s]
ontime7	8092.7999699116	Sum of GTIs [s]
l2events	193067	Number of level 2 events

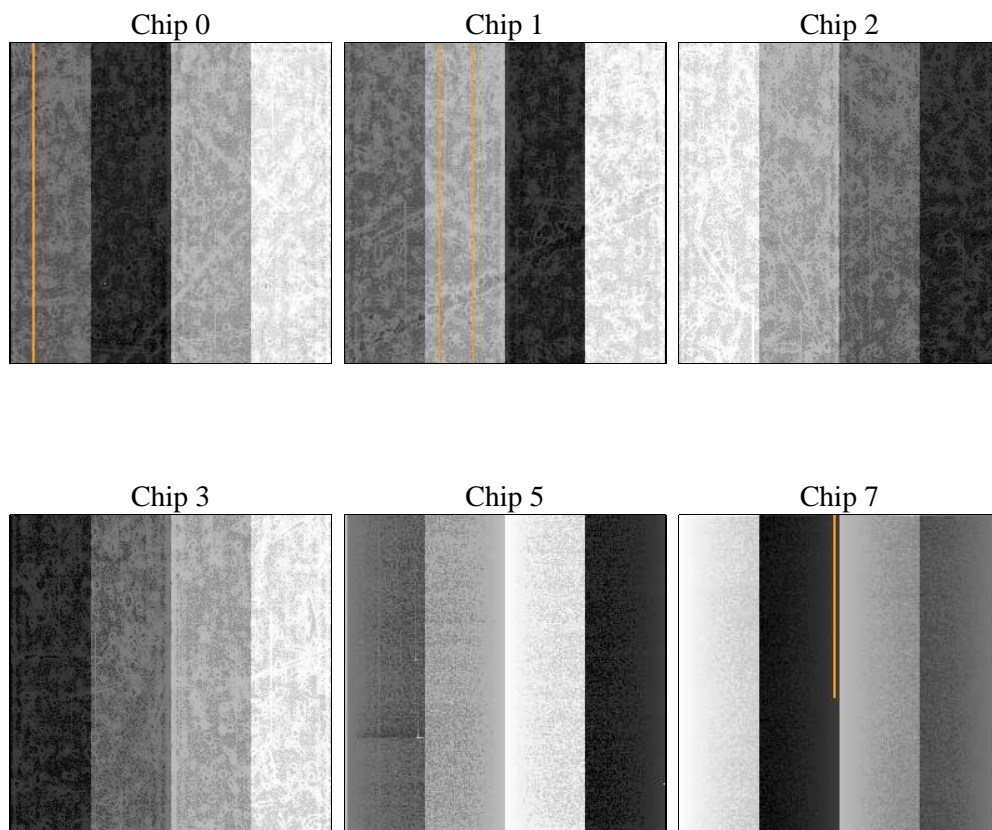
2 OBI

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	8092.7999699116	Sum of GTIs [s]
caldsver	4.6.5	 	ontime0	8092.7999699116	Sum of GTIs [s]
date	2014-12-21T17:56:33	Date and time of file creation	ontime1	8092.7999699116	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8092.7999699116	Sum of GTIs [s]
			ontime3	8092.7999699116	Sum of GTIs [s]
			ontime5	8092.7999699116	Sum of GTIs [s]
			ontime7	8092.7999699116	Sum of GTIs [s]
			l1events	849470	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	139132	146575	148336	155928	134810	124689	grade 0 events	12112	11731	12443	12343	7303	6877
rejected events	115178	122306	124376	131998	76340	72826		8%	8%	8%	7%	5%	5%
rejected %	82%	83%	83%	84%	56%	58%	grade 1 events	66	57	61	71	122	102
								0%	0%	0%	0%	0%	0%
							grade 2 events	5100	5364	4928	4764	21581	13027
								3%	3%	3%	3%	16%	10%
							grade 3 events	1686	1682	1747	1724	2002	4250
								1%	1%	1%	1%	1%	3%
							grade 4 events	1654	1751	1686	1782	1898	4368
								1%	1%	1%	1%	1%	3%
							grade 5 events	3015	3189	2863	3338	6633	8010
								2%	2%	1%	2%	4%	6%
							grade 6 events	4005	4332	3738	3917	27152	24540
								2%	2%	2%	2%	20%	19%
							grade 7 events	111494	118469	120870	127989	68119	63515
								80%	80%	81%	82%	50%	50%

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	105.2472154613136
[deg] Pointing Dec	0	35.30637338187266
[deg] Pointing Roll	0.0	179.5378574587772
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)	535540752.638349	535540752.638349
Observation start date	2014-12-21T09:19:13	2014-12-21T09:19:12
[s] Observation end time (MET)	535550301.702612	535550301.702612
Observation end date	2014-12-21T11:58:22	2014-12-21T11:58:21
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)	2014.12.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0927999699116

A.2 Comments