

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52992 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 17 2014

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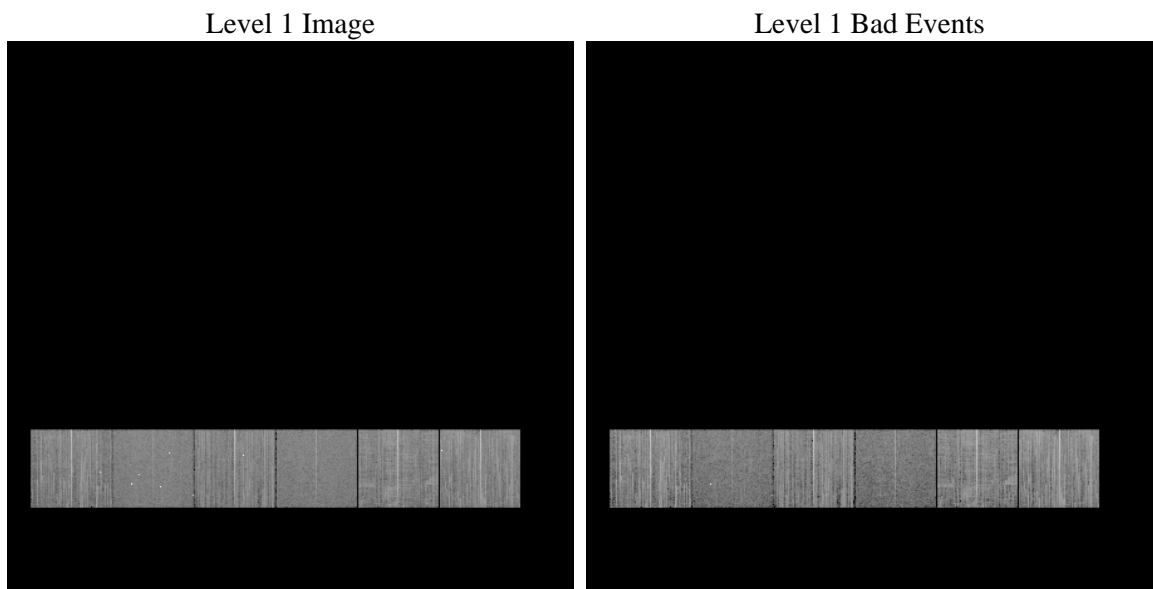
1 Front

seq_num	 	Sequence number
obs_id	52992	Observation id
title	ACIS-456789 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	140.71275704812	Nominal RA [deg]
dec_nom	34.190372672316	Nominal Dec [deg]
roll_nom	204.92666626557	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8255.3458455205	Sum of GTIs [s]
livetime	8150.811685652	Livetime [s]
ontime4	8255.2227255106	Sum of GTIs [s]
ontime5	8255.3048055172	Sum of GTIs [s]
ontime6	8255.2637655139	Sum of GTIs [s]
ontime7	8255.3458455205	Sum of GTIs [s]
ontime8	8251.9406151175	Sum of GTIs [s]
ontime9	8252.145815134	Sum of GTIs [s]
l2events	202313	Number of level 2 events

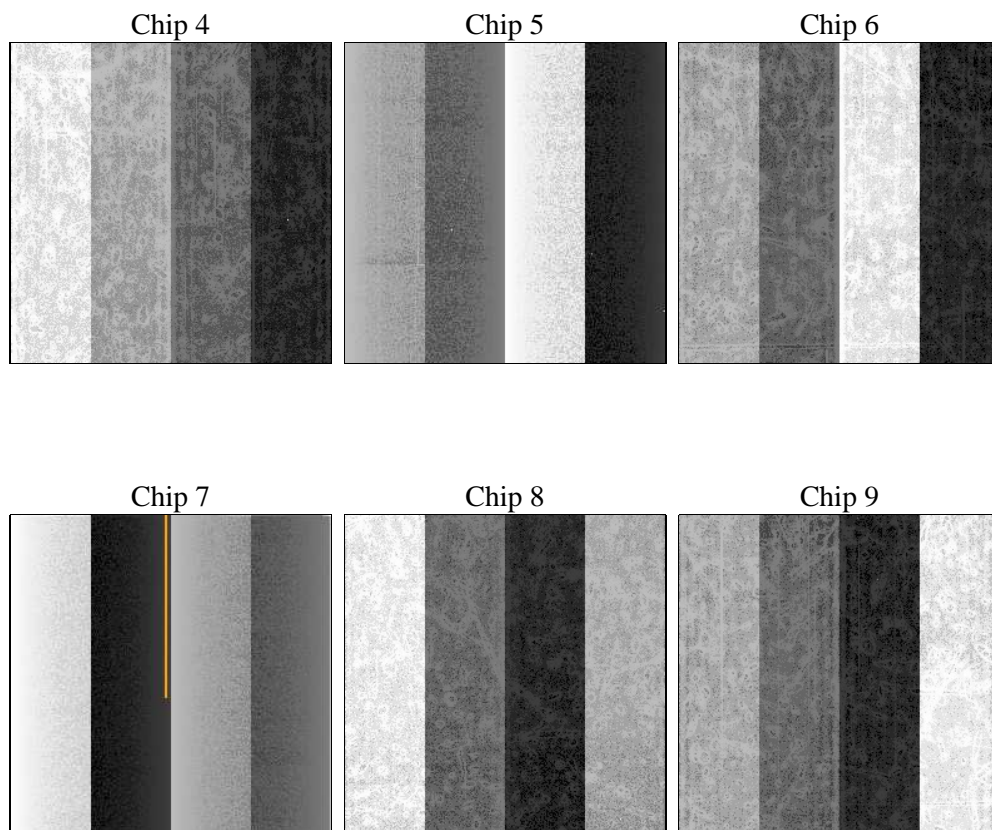
2 OBI

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	10.2.1	Processing system revision	ontime	8255.3458455205	Sum of GTIs [s]
caldbver	4.6.0	 	ontime4	8255.2227255106	Sum of GTIs [s]
date	2014-02-17T22:17:44	Date and time of file creation	ontime5	8255.3048055172	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8255.2637655139	Sum of GTIs [s]
			ontime7	8255.3458455205	Sum of GTIs [s]
			ontime8	8251.9406151175	Sum of GTIs [s]
			ontime9	8252.145815134	Sum of GTIs [s]
			l1events	818281	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	138277	128120	137491	112827	143423	158143	grade 0 events	16986	11666	13927	7064	16097	13905
rejected events	108586	68208	106730	62310	107493	128095		12%	9%	10%	6%	11%	8%
rejected %	78%	53%	77%	55%	74%	80%	grade 1 events	122	190	58	83	81	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	5184	20170	5915	12455	7429	7858
								3%	15%	4%	11%	5%	4%
							grade 3 events	1997	1821	2940	4087	2824	1867
								1%	1%	2%	3%	1%	1%
							grade 4 events	1877	1755	3173	4116	2699	1862
								1%	1%	2%	3%	1%	1%
							grade 5 events	3024	5646	2839	6644	3732	3226
								2%	4%	2%	5%	2%	2%
							grade 6 events	3750	24730	4927	22980	7025	4667
								2%	19%	3%	20%	4%	2%
							grade 7 events	105337	62142	103712	55398	103536	124677
								76%	48%	75%	49%	72%	78%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	140.7127570481213
[deg] Pointing Dec	0	34.19037267231583
[deg] Pointing Roll	0.0	204.9266662655741
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)	509033960.070156	509033960.070156
Observation start date	2014-02-17T14:19:20	2014-02-17T14:19:20
[s] Observation end time (MET)	509043321.635522	509043321.635522
Observation end date	2014-02-17T16:55:22	2014-02-17T16:55:21
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.02.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2553458455205

A.2 Comments