

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56171 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 28 2012

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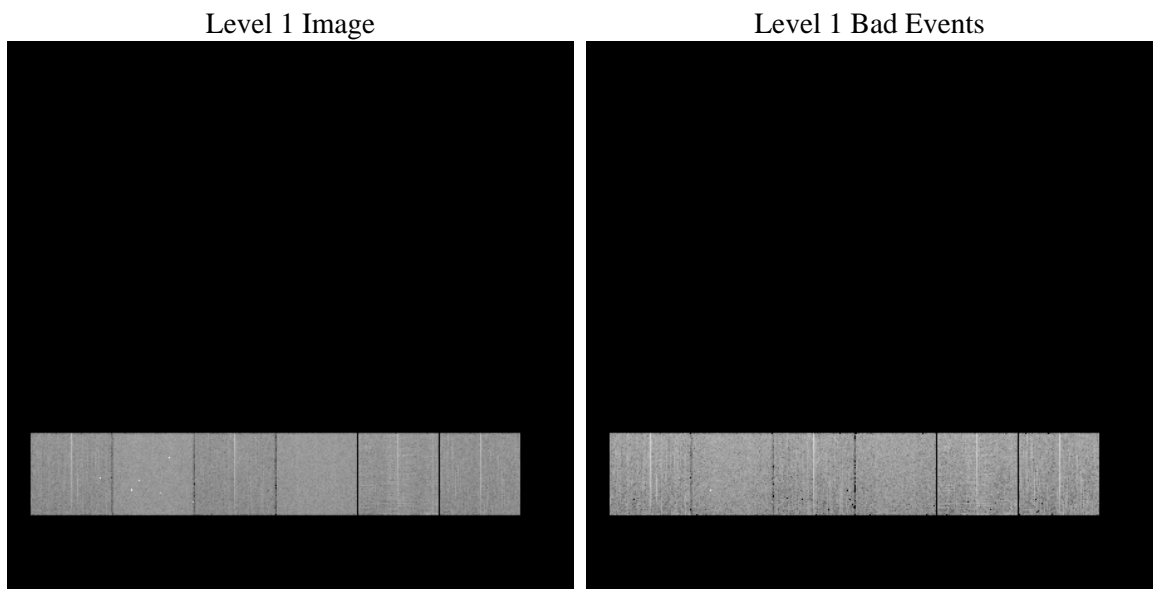
1 Front

seq_num	 	Sequence number
obs_id	56171	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	159.00302334934	Nominal RA [deg]
dec_nom	-8.0287858658737	Nominal Dec [deg]
roll_nom	242.51219369667	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5583.9999792576	Sum of GTIs [s]
livetime	5513.2920092391	Livetime [s]
ontime4	5583.9999792576	Sum of GTIs [s]
ontime5	5583.9999792576	Sum of GTIs [s]
ontime6	5583.9999792576	Sum of GTIs [s]
ontime7	5583.9999792576	Sum of GTIs [s]
ontime8	5583.9999792576	Sum of GTIs [s]
ontime9	5583.9999792576	Sum of GTIs [s]
l2events	284838	Number of level 2 events

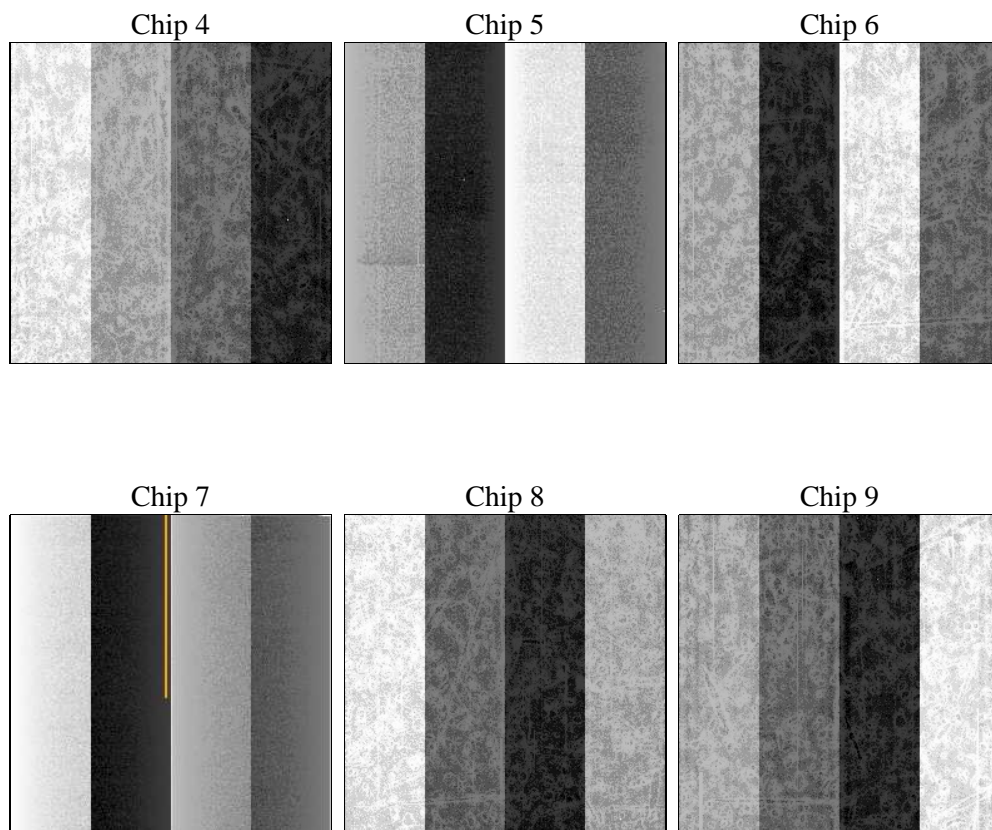
2 OBI

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	8.4.5	Processing system revision	ontime	5583.9999792576	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	5583.9999792576	Sum of GTIs [s]
date	2012-06-29T00:09:08	Date and time of file creation	ontime5	5583.9999792576	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5583.9999792576	Sum of GTIs [s]
			ontime7	5583.9999792576	Sum of GTIs [s]
			ontime8	5583.9999792576	Sum of GTIs [s]
			ontime9	5583.9999792576	Sum of GTIs [s]
			l1events	622605	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	94708	120886	93003	114012	106257	93739	grade 0 events	24689	11093	23454	12091	26136	22875
rejected events	53208	52156	49691	48316	54454	51922		26%	9%	25%	10%	24%	24%
rejected %	56%	43%	53%	42%	51%	55%	grade 1 events	249	228	134	86	166	185
								0%	0%	0%	0%	0%	0%
							grade 2 events	6866	25070	8238	14836	10407	7897
								7%	20%	8%	13%	9%	8%
							grade 3 events	3091	3025	2886	6281	3956	2914
								3%	2%	3%	5%	3%	3%
							grade 4 events	2972	3044	2966	6238	3868	2942
								3%	2%	3%	5%	3%	3%
							grade 5 events	2747	6567	2915	7370	3928	3195
								2%	5%	3%	6%	3%	3%
							grade 6 events	5614	29395	7651	28928	9621	7025
								5%	24%	8%	25%	9%	7%
							grade 7 events	48480	42464	44759	38182	48175	46706
								51%	35%	48%	33%	45%	49%

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	159.0030233493373
[deg] Pointing Dec	0	-8.028785865873692
[deg] Pointing Roll	0.0	242.5121936966703
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	393647448.50877	393647448.50877
Observation start date	2010-06-23T02:30:49	2010-06-23T02:30:48
[s] Observation end time (MET)	393654537.578682	393654537.578682
Observation end date	2010-06-23T04:28:58	2010-06-23T04:28:57
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)	2012.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.5839999792576

A.2 Comments