

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57493 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 24 2012

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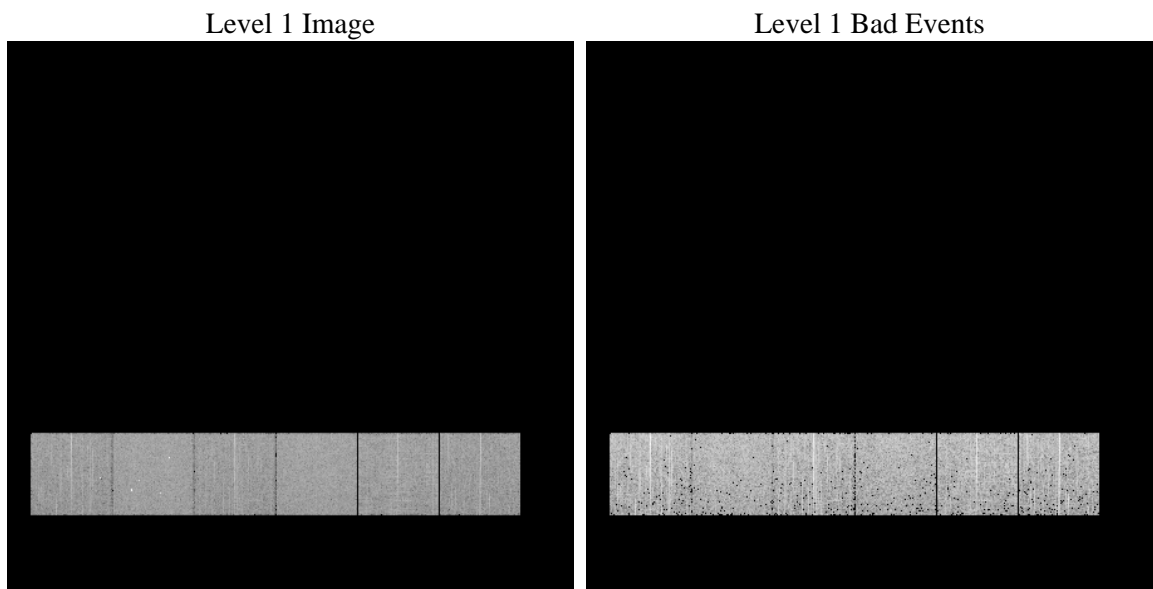
1 Front

seq_num	 	Sequence number
obs_id	57493	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	42.028669286056	Nominal RA [deg]
dec_nom	-0.00096889156779659	Nominal Dec [deg]
roll_nom	325.19285720181	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2793.4637266397	Sum of GTIs [s]
livetime	2758.0912069111	Livetime [s]
ontime4	2793.5868367553	Sum of GTIs [s]
ontime5	2793.5047665834	Sum of GTIs [s]
ontime6	2793.5458066463	Sum of GTIs [s]
ontime7	2793.4637266397	Sum of GTIs [s]
ontime8	2793.5999896526	Sum of GTIs [s]
ontime9	2793.4226866364	Sum of GTIs [s]
l2events	196858	Number of level 2 events

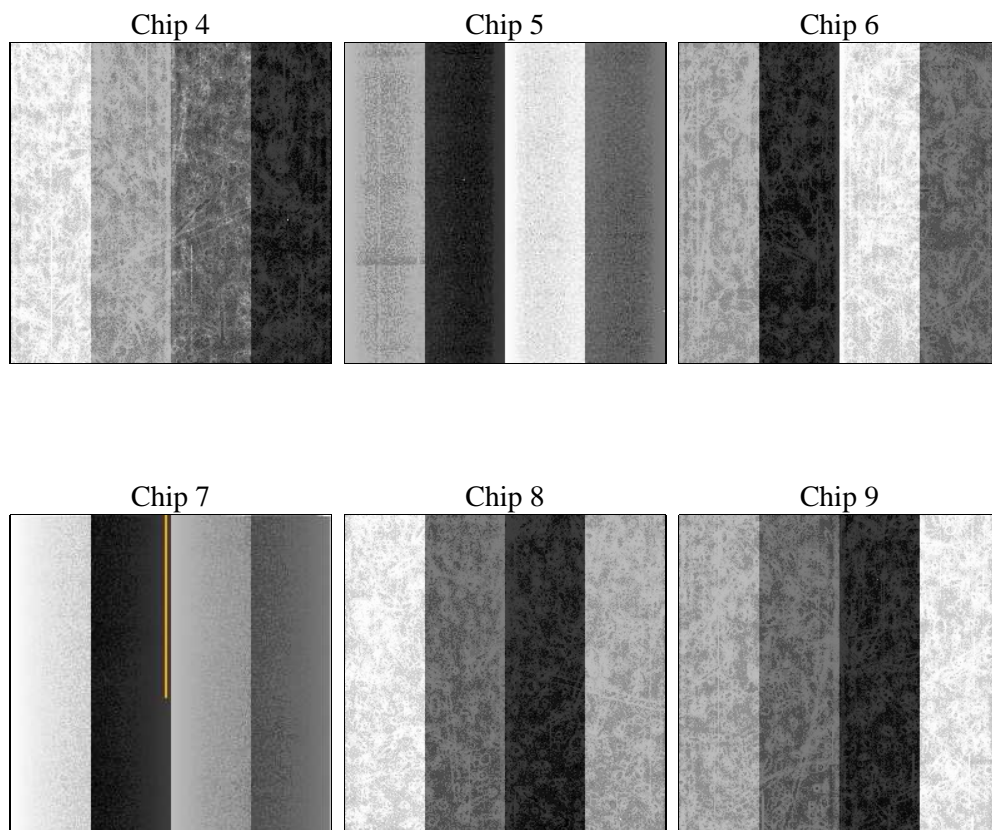
2 OBI

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	8.4.4	Processing system revision	ontime	2793.4637266397	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	2793.5868367553	Sum of GTIs [s]
date	2012-05-24T15:50:10	Date and time of file creation	ontime5	2793.5047665834	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2793.5458066463	Sum of GTIs [s]
			ontime7	2793.4637266397	Sum of GTIs [s]
			ontime8	2793.5999896526	Sum of GTIs [s]
			ontime9	2793.4226866364	Sum of GTIs [s]
			l1events	372913	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	58702	68030	58466	66387	64382	56946	grade 0 events	16890	7246	16571	8347	18460	16294
rejected events	28990	24552	26877	23402	28026	26486		28%	10%	28%	12%	28%	28%
rejected %	49%	36%	45%	35%	43%	46%	grade 1 events	184	90	108	55	124	130
								0%	0%	0%	0%	0%	0%
							grade 2 events	4782	15470	5656	9396	6690	5186
								8%	22%	9%	14%	10%	9%
							grade 3 events	2048	2071	2098	4014	2593	2049
								3%	3%	3%	6%	4%	3%
							grade 4 events	2066	2111	1958	3907	2525	1972
								3%	3%	3%	5%	3%	3%
							grade 5 events	1512	3339	1560	3854	1957	1634
								2%	4%	2%	5%	3%	2%
							grade 6 events	3926	16580	5306	17321	6088	4959
								6%	24%	9%	26%	9%	8%
							grade 7 events	27294	21123	25209	19493	25945	24722
								46%	31%	43%	29%	40%	43%

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	42.02866928605641
[deg] Pointing Dec	0	-0.0009688915677965947
[deg] Pointing Roll	0.0	325.192857201807
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	343607763.947374	343607762.92237
Observation start date	2008-11-20T22:36:04	2008-11-20T22:36:02
[s] Observation end time (MET)	343625603.048255	343625602.02325
Observation end date	2008-11-21T03:33:23	2008-11-21T03:33:22
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.7934637266397

A.2 Comments