

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57938 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : May 10 2012

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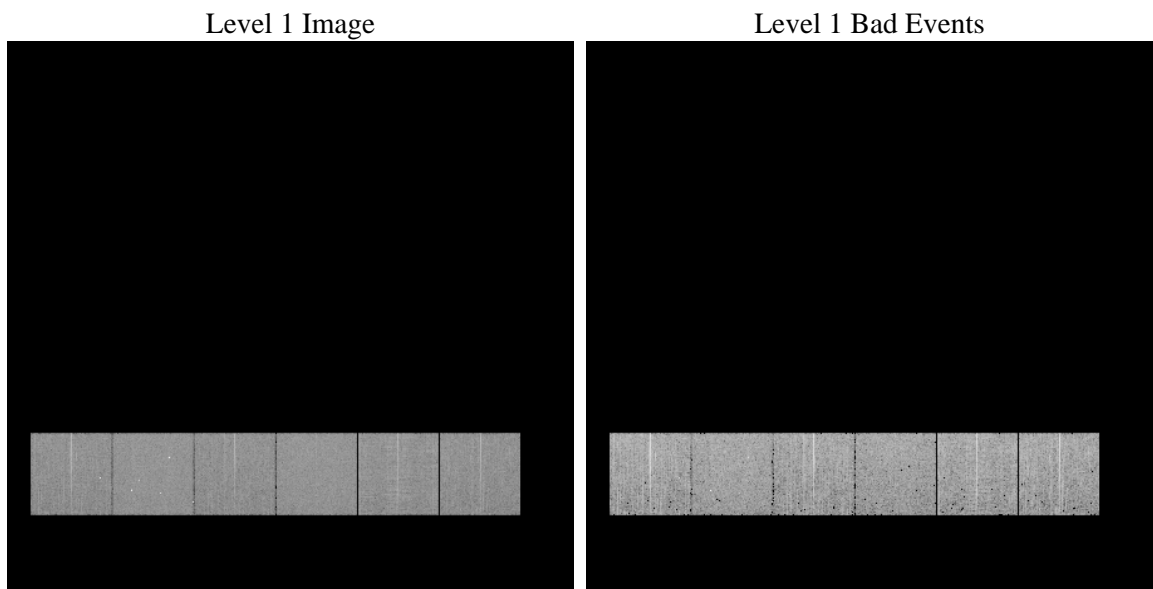
1 Front

seq_num	 	Sequence number
obs_id	57938	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	185.97336137937	Nominal RA [deg]
dec_nom	21.013927281934	Nominal Dec [deg]
roll_nom	117.76281344116	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3669.9073389769	Sum of GTIs [s]
livetime	3623.4367624978	Livetime [s]
ontime4	3666.5432287455	Sum of GTIs [s]
ontime5	3669.8662989736	Sum of GTIs [s]
ontime6	3669.8252589703	Sum of GTIs [s]
ontime7	3669.9073389769	Sum of GTIs [s]
ontime8	3669.7431789637	Sum of GTIs [s]
ontime9	3669.9483789802	Sum of GTIs [s]
l2events	300685	Number of level 2 events

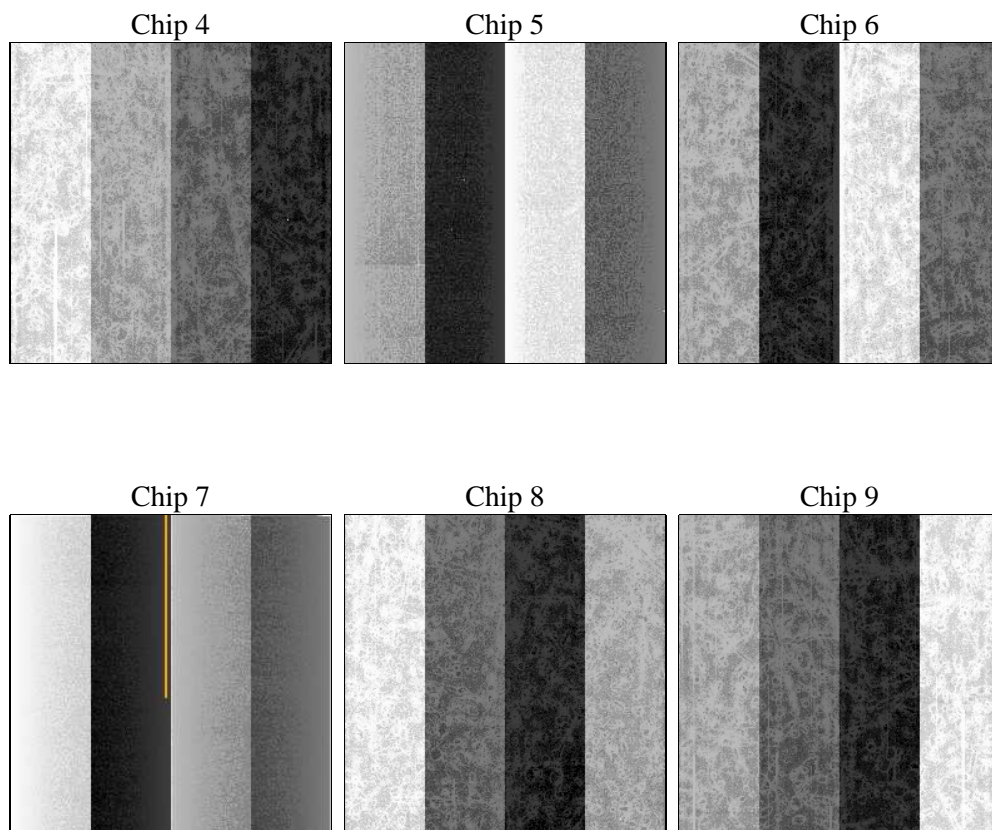
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2460	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3669.9073389769	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	3666.5432287455	Sum of GTIs [s]
date	2012-05-10T22:59:42	Date and time of file creation	ontime5	3669.8662989736	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3669.8252589703	Sum of GTIs [s]
			ontime7	3669.9073389769	Sum of GTIs [s]
			ontime8	3669.7431789637	Sum of GTIs [s]
			ontime9	3669.9483789802	Sum of GTIs [s]
			l1events	557456	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	89455	98825	87874	97215	96046	88041	grade 0 events	28970	12008	27790	14091	29919	27514
rejected events	42045	36814	38217	33856	39933	39546		32%	12%	31%	14%	31%	31%
rejected %	47%	37%	43%	34%	41%	44%	grade 1 events	261	198	183	62	188	201
								0%	0%	0%	0%	0%	0%
							grade 2 events	7836	23661	9353	14547	10818	8837
								8%	23%	10%	14%	11%	10%
							grade 3 events	3453	3179	3458	6281	4182	3370
								3%	3%	3%	6%	4%	3%
							grade 4 events	3369	3102	3336	6361	4069	3439
								3%	3%	3%	6%	4%	3%
							grade 5 events	1967	4639	2017	4920	2530	2266
								2%	4%	2%	5%	2%	2%
							grade 6 events	6645	23805	8737	25893	10439	8195
								7%	24%	9%	26%	10%	9%
							grade 7 events	36954	28233	33000	25060	33901	34219
								41%	28%	37%	25%	35%	38%

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	185.9733610959057	185.9733613793654
[deg] Pointing Dec	21.01392729054298	21.01392728193424
[deg] Pointing Roll	117.7628135752048	117.7628134411634
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	320759703.818883	320759703.818883
Observation start date	2008-03-01T12:31:00	2008-03-01T11:55:03
[s] Observation end time (MET)	320765313.412906	320765313.412906
Observation end date	2008-03-01T13:12:00	2008-03-01T13:28:33
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)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.6699073389769

A.2 Comments