

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61077 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 13 2012

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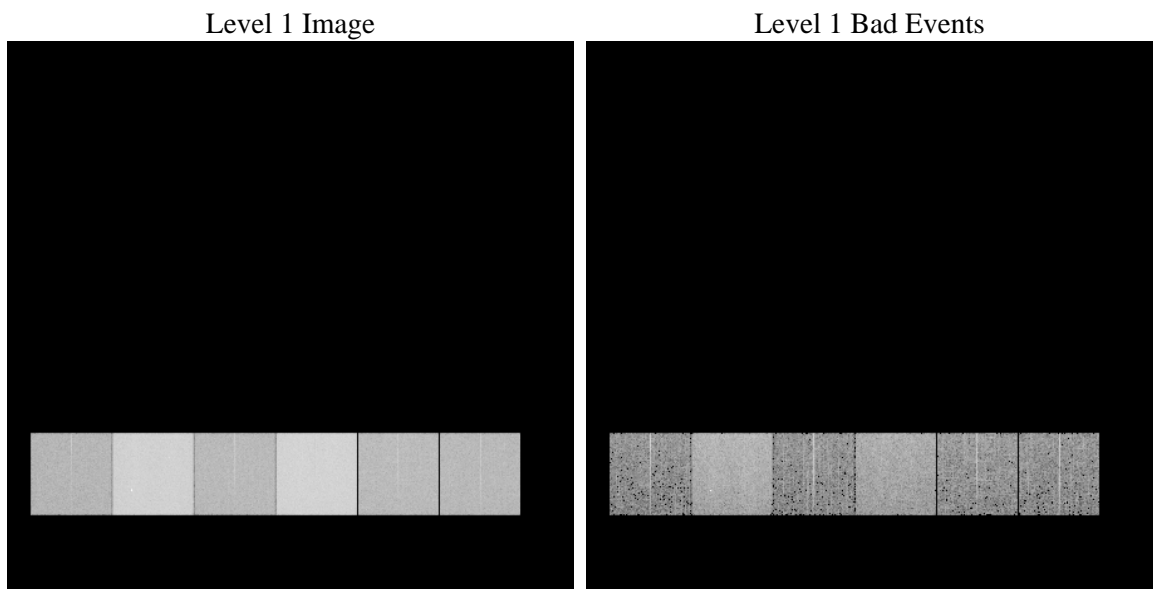
1 Front

seq_num	 	Sequence number
obs_id	61077	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	308.44281904225	Nominal RA [deg]
dec_nom	-48.000364642097	Nominal Dec [deg]
roll_nom	326.43243059165	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8098.9589056969	Sum of GTIs [s]
livetime	7996.4050114254	Livetime [s]
ontime4	2962.307015121	Sum of GTIs [s]
ontime5	8371.1999688148	Sum of GTIs [s]
ontime6	3179.4558080435	Sum of GTIs [s]
ontime7	8098.9589056969	Sum of GTIs [s]
ontime8	3276.260304004	Sum of GTIs [s]
ontime9	3185.6282613873	Sum of GTIs [s]
l2events	1301487	Number of level 2 events

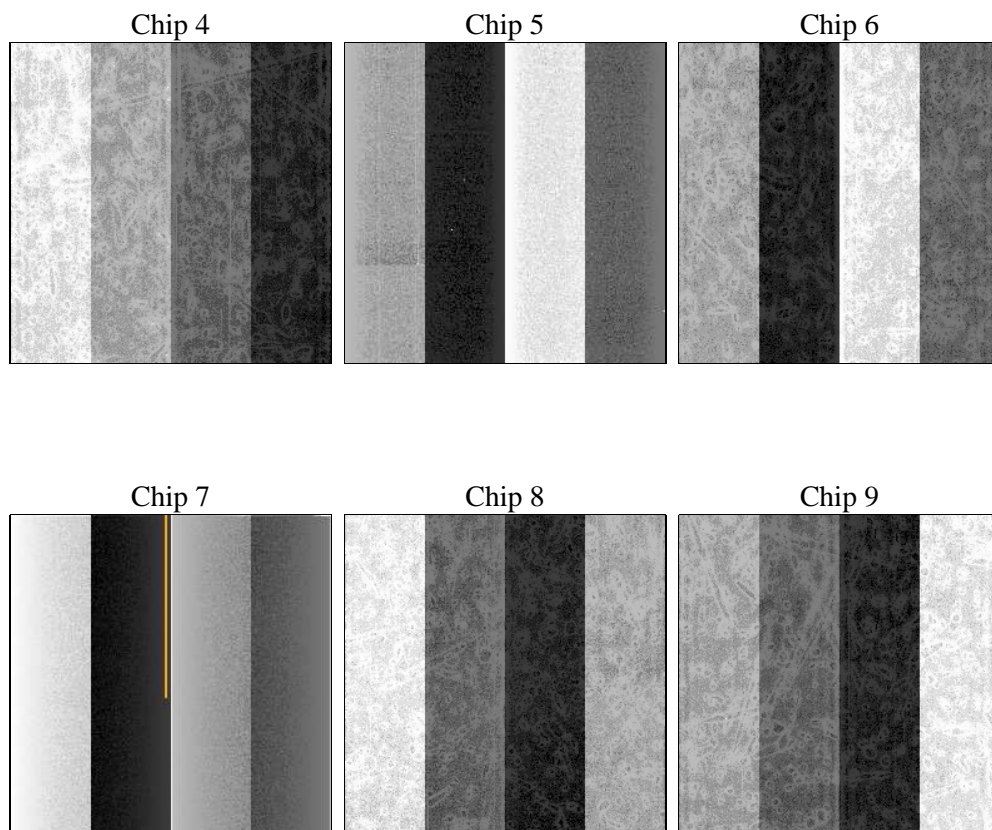
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4140	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8098.9589056969	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	2962.307015121	Sum of GTIs [s]
date	2012-10-14T01:03:21	Date and time of file creation	ontime5	8371.1999688148	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	3179.4558080435	Sum of GTIs [s]
			ontime7	8098.9589056969	Sum of GTIs [s]
			ontime8	3276.260304004	Sum of GTIs [s]
			ontime9	3185.6282613873	Sum of GTIs [s]
			l1events	1556895	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	156816	413991	180606	441144	189259	175079	grade 0 events	79664	78904	86882	100860	90910	85003
rejected events	22335	58821	23792	45165	26785	23505		50%	19%	48%	22%	48%	48%
rejected %	14%	14%	13%	10%	14%	13%	grade 1 events	572	234	355	284	428	444
								0%	0%	0%	0%	0%	0%
							grade 2 events	20794	135679	27211	88676	28331	25798
								13%	32%	15%	20%	14%	14%
							grade 3 events	8846	21134	9683	40236	10525	9797
								5%	5%	5%	9%	5%	5%
							grade 4 events	8993	21095	9653	40070	10546	9896
								5%	5%	5%	9%	5%	5%
							grade 5 events	1418	9905	1658	8038	1796	1644
								0%	2%	0%	1%	0%	0%
							grade 6 events	17181	102112	25353	130530	23938	22620
								10%	24%	14%	29%	12%	12%
							grade 7 events	19348	44928	19811	32450	22785	19877
								12%	10%	10%	7%	12%	11%

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	308.4428190422516	308.4428190422514
[deg] Pointing Dec	-48.00036464209656	-48.00036464209665
[deg] Pointing Roll	326.432430591653	326.4324305916528
[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)	146250869.063858	146250869.063858
Observation start date	2002-08-20T17:38:00	2002-08-20T17:14:29
[s] Observation end time (MET)	146262600	146262600
Observation end date	2002-08-20T18:47:00	2002-08-20T20:29:59
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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0989589056969

A.2 Comments