

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58037 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : May 7 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

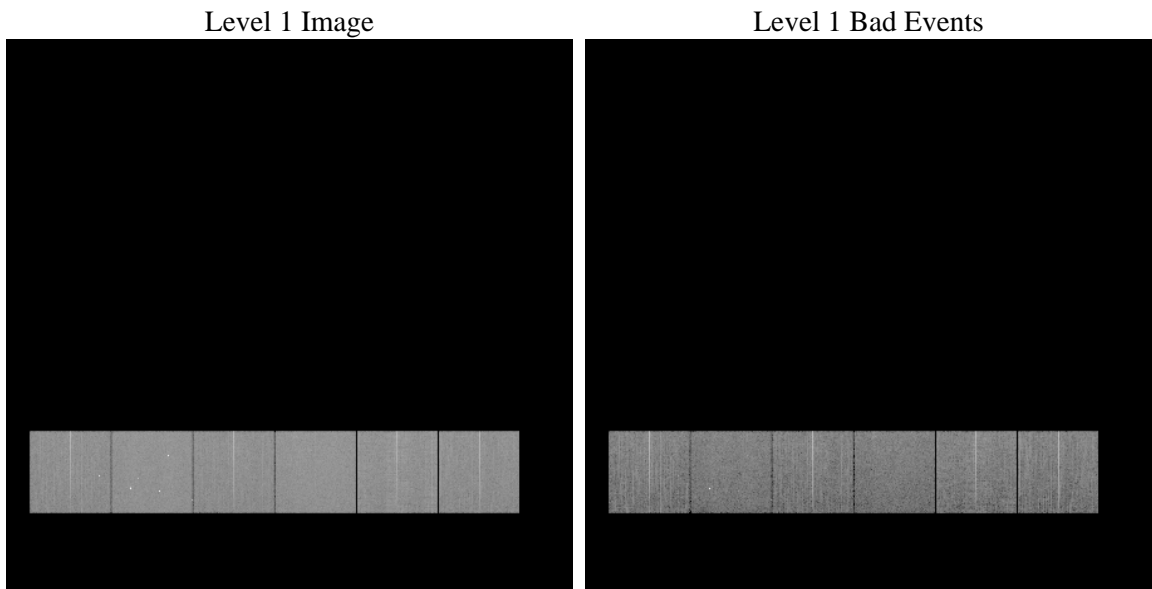
1 Front

seq_num	 	Sequence number
obs_id	58037	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	17.186479985094	Nominal RA [deg]
dec_nom	36.998676175817	Nominal Dec [deg]
roll_nom	281.83355595092	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8131.1999697685	Sum of GTIs [s]
livetime	8028.2378197305	Livetime [s]
ontime4	8131.1999697685	Sum of GTIs [s]
ontime5	8131.1999697685	Sum of GTIs [s]
ontime6	8131.1999697685	Sum of GTIs [s]
ontime7	8131.1999697685	Sum of GTIs [s]
ontime8	8131.1999697685	Sum of GTIs [s]
ontime9	8131.1999697685	Sum of GTIs [s]
l2events	663722	Number of level 2 events

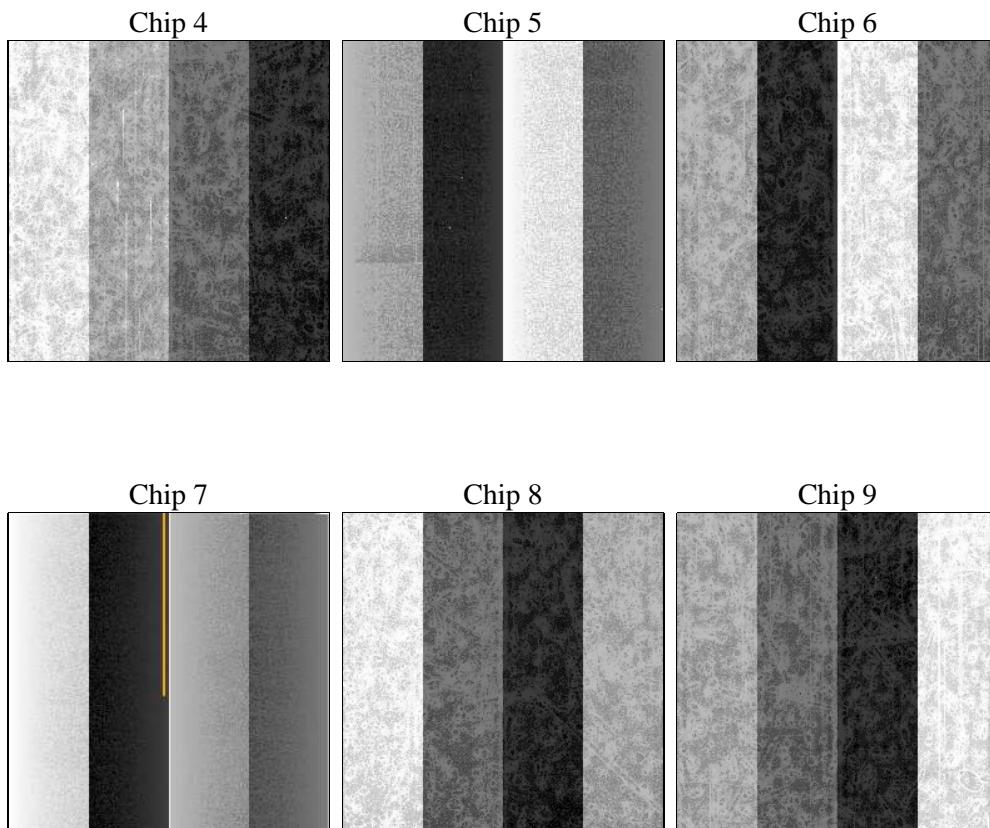
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3840	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8131.1999697685	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8131.1999697685	Sum of GTIs [s]
date	2012-05-07T14:57:17	Date and time of file creation	ontime5	8131.1999697685	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	8131.1999697685	Sum of GTIs [s]
			ontime7	8131.1999697685	Sum of GTIs [s]
			ontime8	8131.1999697685	Sum of GTIs [s]
			ontime9	8131.1999697685	Sum of GTIs [s]
			l1events	1195644	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	187658	213194	188979	210886	207072	187855	grade 0 events	60156	24747	59098	29157	63220	58001
rejected events	84304	75134	79844	69433	85122	81899		32%	11%	31%	13%	30%	30%
rejected %	44%	35%	42%	32%	41%	43%	grade 1 events	580	228	389	189	449	466
								0%	0%	0%	0%	0%	0%
							grade 2 events	16876	50456	19584	31080	22919	18739
								8%	23%	10%	14%	11%	9%
							grade 3 events	7186	6723	6972	13856	8752	7165
								3%	3%	3%	6%	4%	3%
							grade 4 events	7110	6659	7152	13717	8612	7168
								3%	3%	3%	6%	4%	3%
							grade 5 events	4228	10928	4533	10923	5616	4903
								2%	5%	2%	5%	2%	2%
							grade 6 events	13921	51992	18338	56189	20700	16753
								7%	24%	9%	26%	9%	8%
							grade 7 events	77601	61461	72913	55775	76804	74660
								41%	28%	38%	26%	37%	39%

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	268.4471612122773	17.1864799850939
[deg] Pointing Dec	36.9986761348858	36.99867617581722
[deg] Pointing Roll	281.8335559572332	281.8335559509217
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	315545784.816003	315545784.816003
Observation start date	2008-01-01T04:05:00	2008-01-01T03:36:24
[s] Observation end time (MET)	315559045.102705	315559045.102705
Observation end date	2008-01-01T05:09:00	2008-01-01T07:17:25
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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1311999697685

A.2 Comments