

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56876 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 12 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

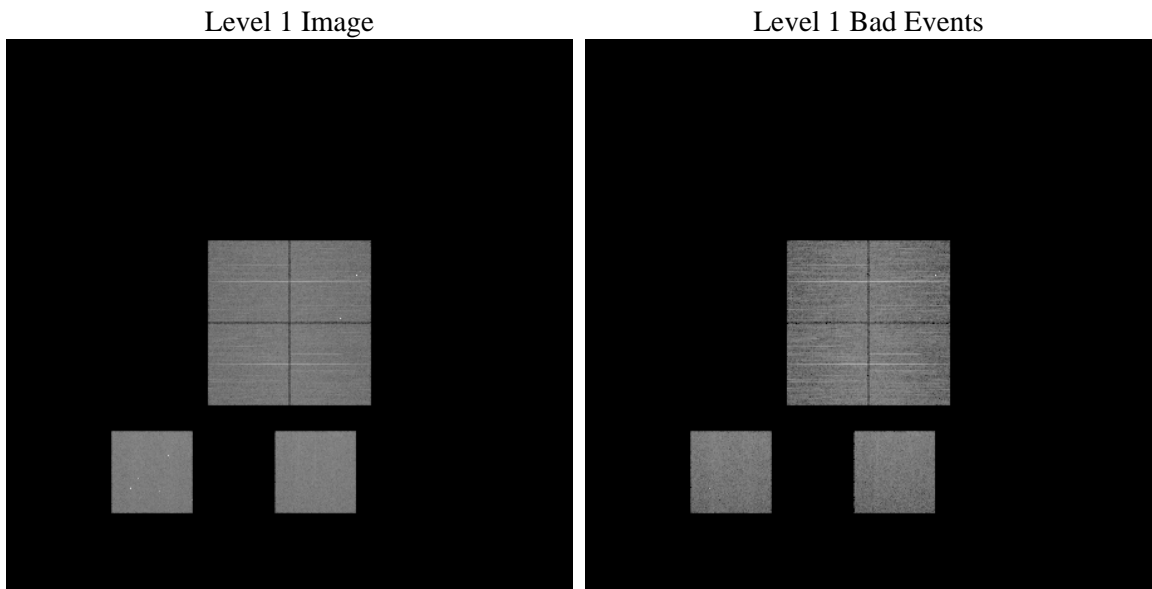
1 Front

seq_num	 	Sequence number
obs_id	56876	Observation id
title	ACIS-012357 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	4.9690861418359	Nominal RA [deg]
dec_nom	25.006200090777	Nominal Dec [deg]
roll_nom	134.68603861176	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8268.3251615167	Sum of GTIs [s]
livetime	8163.6266497338	Livetime [s]
ontime0	8268.2841215134	Sum of GTIs [s]
ontime1	8268.2430815101	Sum of GTIs [s]
ontime2	8268.2020415068	Sum of GTIs [s]
ontime3	8268.36620152	Sum of GTIs [s]
ontime5	8268.1610015035	Sum of GTIs [s]
ontime7	8268.3251615167	Sum of GTIs [s]
l2events	499346	Number of level 2 events

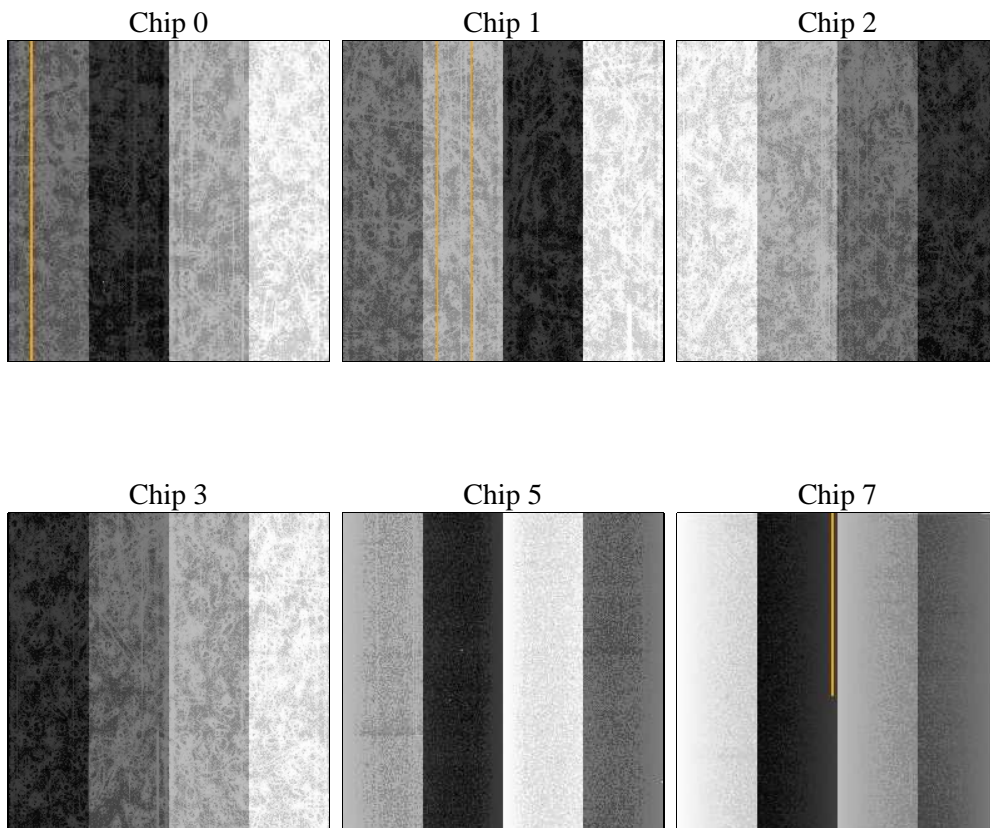
2 OBI

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	8268.3251615167	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	8268.2841215134	Sum of GTIs [s]
date	2012-06-12T04:42:17	Date and time of file creation	ontime1	8268.2430815101	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8268.2020415068	Sum of GTIs [s]
			ontime3	8268.36620152	Sum of GTIs [s]
			ontime5	8268.1610015035	Sum of GTIs [s]
			ontime7	8268.3251615167	Sum of GTIs [s]
			l1events	981608	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	146441	153809	153364	152700	189902	185392	grade 0 events	39692	40708	40052	40743	17539	20749
rejected events	71802	75165	79492	78086	73965	72116		27%	26%	26%	26%	9%	11%
rejected %	49%	48%	51%	51%	38%	38%	grade 1 events	280	2581	339	309	360	144
								0%	1%	0%	0%	0%	0%
							grade 2 events	13587	16546	12784	12943	41215	24838
								9%	10%	8%	8%	21%	13%
							grade 3 events	5106	4967	5145	5095	4881	10541
								3%	3%	3%	3%	2%	5%
							grade 4 events	4946	4926	5185	5102	4979	10372
								3%	3%	3%	3%	2%	5%
							grade 5 events	4103	4230	3870	4678	9704	11787
								2%	2%	2%	3%	5%	6%
							grade 6 events	11332	11524	10737	10761	47376	46832
								7%	7%	7%	7%	24%	25%
							grade 7 events	67395	68327	75252	73069	63848	60129
								46%	44%	49%	47%	33%	32%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	4.969086141835874	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	25.00620009077713	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	134.6860386117602	[s] Primary exposure time	3.2	3.2
[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)	367367556.229117	367367555.20412			
Observation start date	2009-08-22T22:32:36	2009-08-22T22:32:35			
[s] Observation end time (MET)	367392896.280387	367392895.25539			
Observation end date	2009-08-23T05:34:56	2009-08-23T05:34:55			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2683251615167

A.2 Comments