

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57220 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 3 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

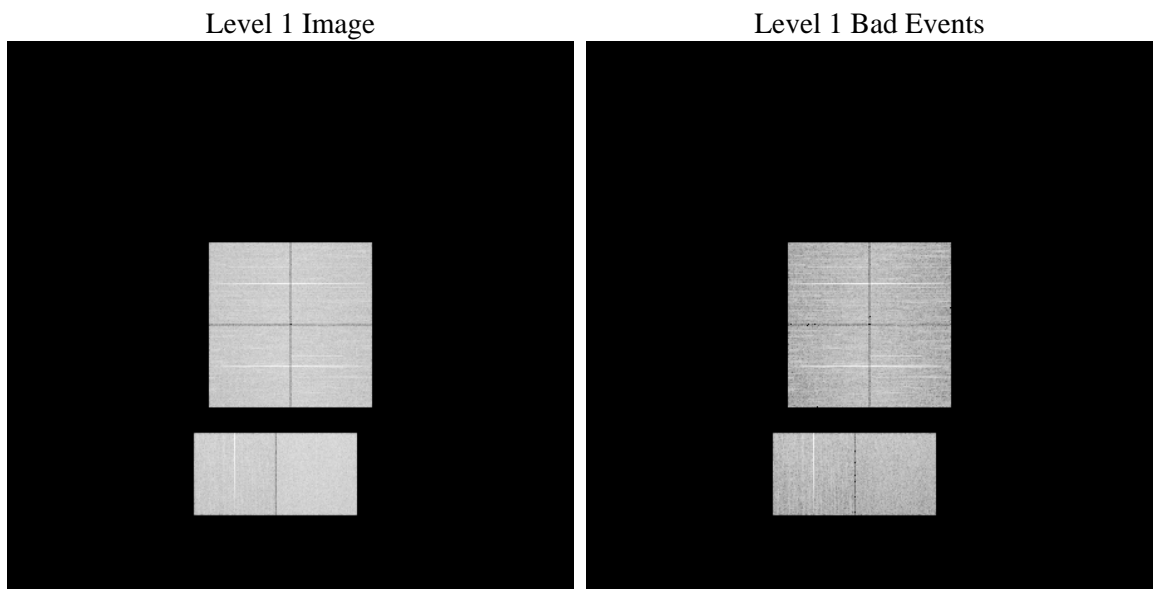
1 Front

seq_num	 	Sequence number
obs_id	57220	Observation id
title	ACIS-012367 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	202.00487298114	Nominal RA [deg]
dec_nom	-19.97164830916	Nominal Dec [deg]
roll_nom	47.958097736792	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8341.2156341076	Sum of GTIs [s]
livetime	8235.5941392715	Livetime [s]
ontime0	8341.1745941043	Sum of GTIs [s]
ontime1	8341.133554101	Sum of GTIs [s]
ontime2	8341.0925140977	Sum of GTIs [s]
ontime3	8341.2566741109	Sum of GTIs [s]
ontime6	8341.0514740944	Sum of GTIs [s]
ontime7	8341.2156341076	Sum of GTIs [s]
l2events	506737	Number of level 2 events

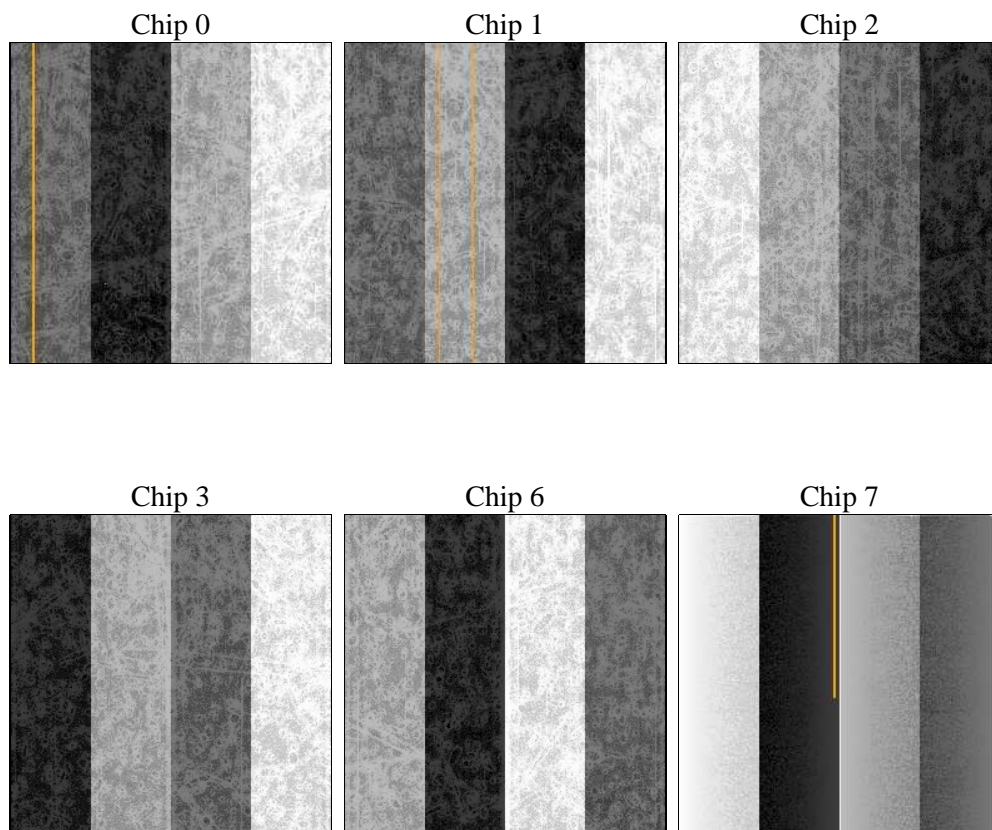
2 OBI

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	8341.2156341076	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8341.1745941043	Sum of GTIs [s]
date	2012-06-03T06:22:43	Date and time of file creation	ontime1	8341.133554101	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8341.0925140977	Sum of GTIs [s]
			ontime3	8341.2566741109	Sum of GTIs [s]
			ontime6	8341.0514740944	Sum of GTIs [s]
			ontime7	8341.2156341076	Sum of GTIs [s]
			l1events	991319	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	158053	156497	159316	160958	162962	193533	grade 0 events	44268	44061	45088	45690	45154	22816
rejected events	75990	73670	77264	78151	77938	73020		28%	28%	28%	28%	27%	11%
rejected %	48%	47%	48%	48%	47%	37%	grade 1 events	316	291	335	365	281	180
								0%	0%	0%	0%	0%	0%
							grade 2 events	14958	15735	14304	14653	15345	26415
								9%	10%	8%	9%	9%	13%
							grade 3 events	5636	5495	5613	5705	5665	11337
								3%	3%	3%	3%	3%	5%
							grade 4 events	5664	5505	5674	5754	5683	11371
								3%	3%	3%	3%	3%	5%
							grade 5 events	4241	4364	3922	4597	4472	11742
								2%	2%	2%	2%	2%	6%
							grade 6 events	12667	13119	12442	12107	14316	50114
								8%	8%	7%	7%	8%	25%
							grade 7 events	70303	67927	71938	72087	72046	59558
								44%	43%	45%	44%	44%	30%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	202.0048729811391	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-19.97164830915958	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	47.95809773679211	[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)	354158417.469866	354158416.44486			
Observation start date	2009-03-23T01:20:17	2009-03-23T01:20:16			
[s] Observation end time (MET)	354168597.770372	354168596.74537			
Observation end date	2009-03-23T04:09:58	2009-03-23T04:09:56			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3412156341076

A.2 Comments