

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 62859 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 26 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

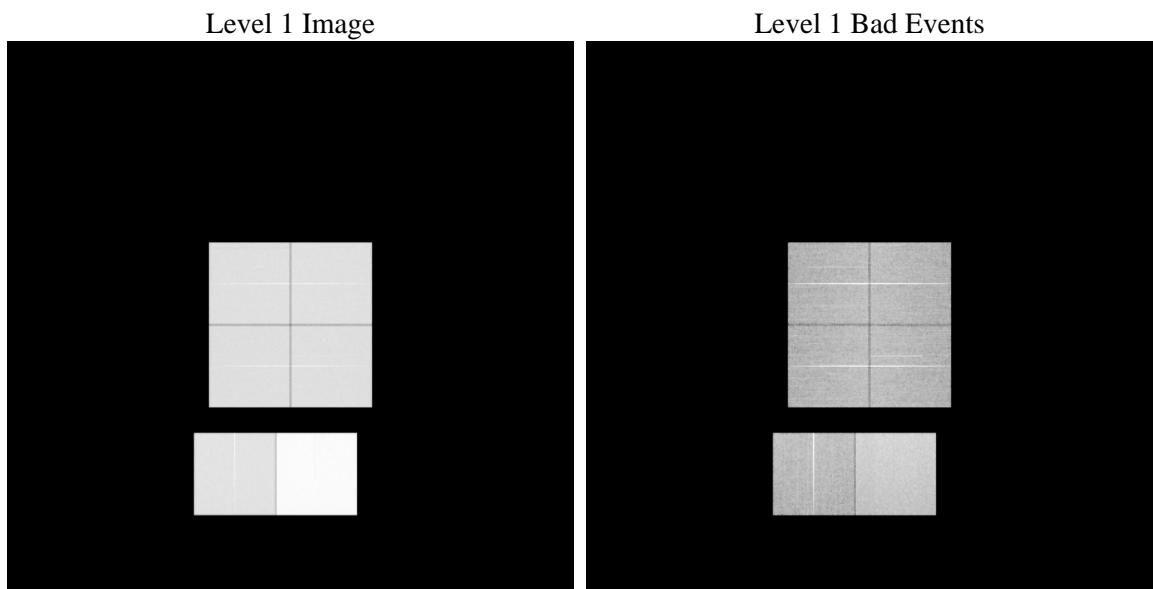
1 Front

seq_num	 	Sequence number
obs_id	62859	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	59.992541360083	Nominal RA [deg]
dec_nom	4.0276540859931	Nominal Dec [deg]
roll_nom	72.316752171685	Nominal Roll [deg]
revision	3	Processing version of data
ontime	47059.293477446	Sum of GTIs [s]
livetime	46463.40036773	Livetime [s]
ontime0	18272.882709086	Sum of GTIs [s]
ontime1	18667.40817757	Sum of GTIs [s]
ontime2	17297.332939431	Sum of GTIs [s]
ontime3	17559.855953068	Sum of GTIs [s]
ontime6	19381.313343734	Sum of GTIs [s]
ontime7	47059.293477446	Sum of GTIs [s]
l2events	7830269	Number of level 2 events

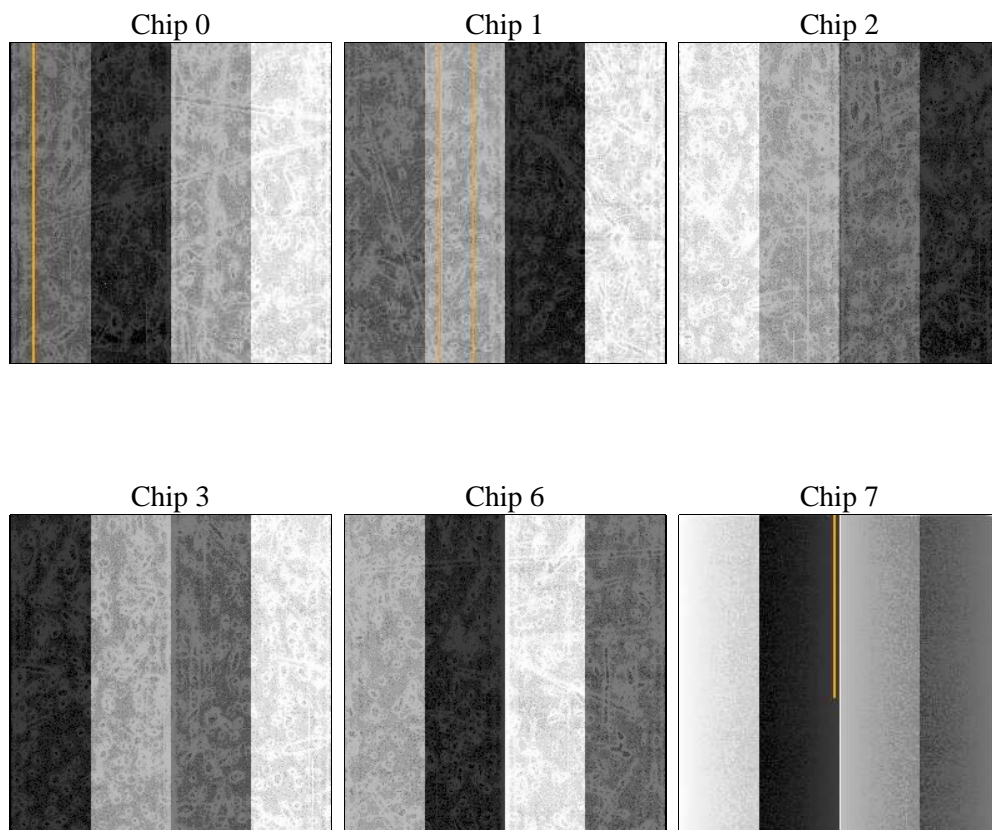
2 OBI

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	47059.293477446	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	18272.882709086	Sum of GTIs [s]
date	2012-09-26T08:02:41	Date and time of file creation	ontime1	18667.40817757	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	17297.332939431	Sum of GTIs [s]
			ontime3	17559.855953068	Sum of GTIs [s]
			ontime6	19381.313343734	Sum of GTIs [s]
			ontime7	47059.293477446	Sum of GTIs [s]
			l1events	9068712	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	1182590	1208538	1140931	1160407	1316810	3059436	grade 0 events	580948	595598	560867	574518	640663	716126
rejected events	130165	130903	132620	133699	141831	243309		49%	49%	49%	49%	48%	23%
rejected %	11%	10%	11%	11%	10%	7%	grade 1 events	2922	2913	2816	3018	3160	1875
								0%	0%	0%	0%	0%	0%
							grade 2 events	186609	190022	177481	179934	203350	621786
								15%	15%	15%	15%	15%	20%
							grade 3 events	67147	68140	63678	65192	72760	286678
								5%	5%	5%	5%	5%	9%
							grade 4 events	66403	68161	63149	65087	72798	285400
								5%	5%	5%	5%	5%	9%
							grade 5 events	9318	9487	8737	9275	10774	49604
								0%	0%	0%	0%	0%	1%
							grade 6 events	152677	157495	144740	143450	187075	910217
								12%	13%	12%	12%	14%	29%
							grade 7 events	116566	116722	119463	119933	126230	187750
								9%	9%	10%	10%	9%	6%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	59.99254136008329	Alternating exposures requested	N	N
[deg] Pointing Dec	0	4.027654085993086	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	72.3167521716849			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	120508782.014	120508781.2456			
Observation start date	2001-10-26T18:39:42	2001-10-26T18:39:41			
[s] Observation end time (MET)	120560644.966	120560644.19766			
Observation end date	2001-10-27T09:04:05	2001-10-27T09:04:04			
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)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.059293477446

A.2 Comments