

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58584 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 17 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

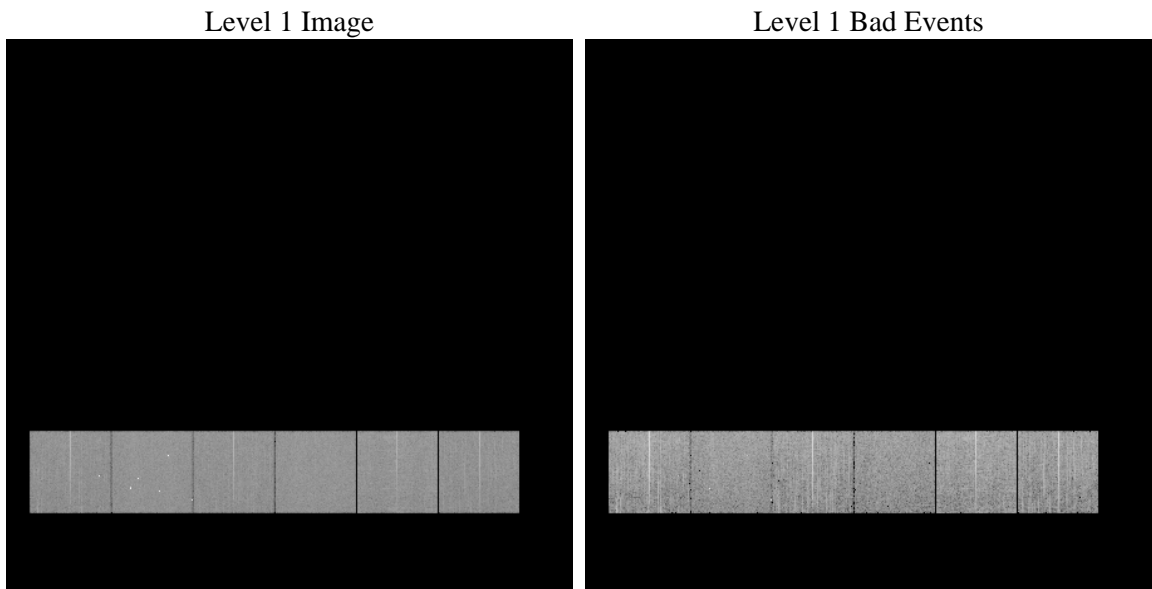
1 Front

seq_num	 	Sequence number
obs_id	58584	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	139.9760419973	Nominal RA [deg]
dec_nom	32.020305205157	Nominal Dec [deg]
roll_nom	102.13924453718	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5641.485640347	Sum of GTIs [s]
livetime	5570.0497522741	Livetime [s]
ontime4	5641.599979043	Sum of GTIs [s]
ontime5	5641.5266803503	Sum of GTIs [s]
ontime6	5641.5677004457	Sum of GTIs [s]
ontime7	5641.485640347	Sum of GTIs [s]
ontime8	5641.599979043	Sum of GTIs [s]
ontime9	5641.4445804358	Sum of GTIs [s]
l2events	564346	Number of level 2 events

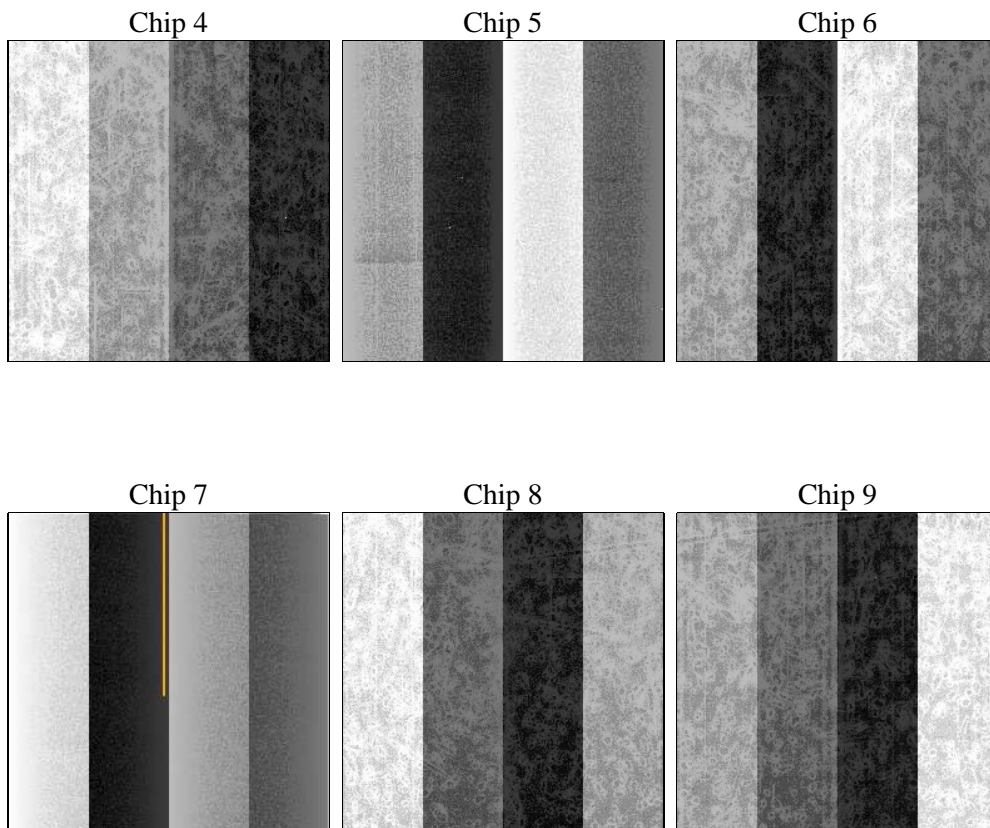
2 OBI

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	5641.485640347	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	5641.599979043	Sum of GTIs [s]
date	2012-04-17T22:54:25	Date and time of file creation	ontime5	5641.5266803503	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5641.5677004457	Sum of GTIs [s]
			ontime7	5641.485640347	Sum of GTIs [s]
			ontime8	5641.599979043	Sum of GTIs [s]
			ontime9	5641.4445804358	Sum of GTIs [s]
			l1events	916773	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	146547	160162	148396	157180	159767	144721	grade 0 events	53433	21942	51061	24604	54924	50552
rejected events	55714	46831	52399	42567	55801	51805		36%	13%	34%	15%	34%	34%
rejected %	38%	29%	35%	27%	34%	35%	grade 1 events	498	585	276	108	352	310
								0%	0%	0%	0%	0%	0%
							grade 2 events	13516	42223	17164	25272	18448	15910
								9%	26%	11%	16%	11%	10%
							grade 3 events	6179	5045	6038	10839	7132	6154
								4%	3%	4%	6%	4%	4%
							grade 4 events	6035	4973	5980	10890	6860	6080
								4%	3%	4%	6%	4%	4%
							grade 5 events	2783	6261	2847	6876	3626	3131
								1%	3%	1%	4%	2%	2%
							grade 6 events	11670	39148	15754	43008	16602	14220
								7%	24%	10%	27%	10%	9%
							grade 7 events	52433	39985	49276	35583	51823	48364
								35%	24%	33%	22%	32%	33%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	139.9760419972979	Alternating exposures requested	N	N
[deg] Pointing Dec	0	32.020305205157	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	102.13924453718			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	284657172.586375	284657171.56137			
Observation start date	2007-01-08T15:26:13	2007-01-08T15:26:11			
[s] Observation end time (MET)	284674035.887174	284674034.86217			
Observation end date	2007-01-08T20:07:16	2007-01-08T20:07:14			
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)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.641485640347

A.2 Comments