

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58157 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 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

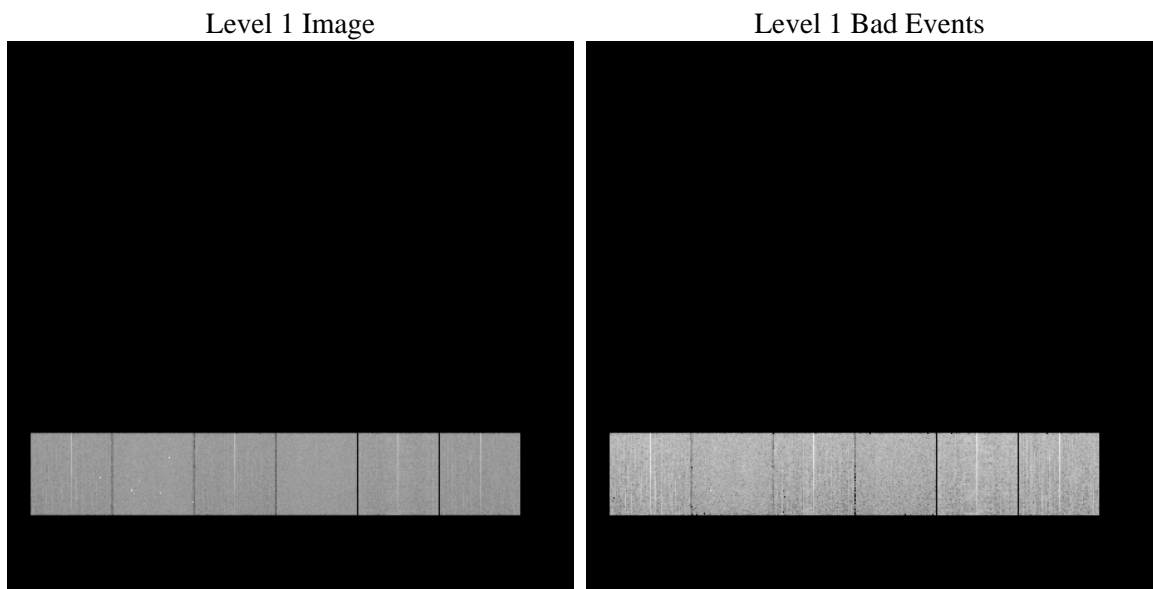
1 Front

seq_num	 	Sequence number
obs_id	58157	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	205.02969034303	Nominal RA [deg]
dec_nom	37.016143411236	Nominal Dec [deg]
roll_nom	1.3374893103202	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6822.3999746442	Sum of GTIs [s]
livetime	6736.0106382092	Livetime [s]
ontime4	6822.363710165	Sum of GTIs [s]
ontime5	6822.3999746442	Sum of GTIs [s]
ontime6	6822.3999746442	Sum of GTIs [s]
ontime7	6822.3999746442	Sum of GTIs [s]
ontime8	6819.0816998482	Sum of GTIs [s]
ontime9	6822.3999746442	Sum of GTIs [s]
l2events	584743	Number of level 2 events

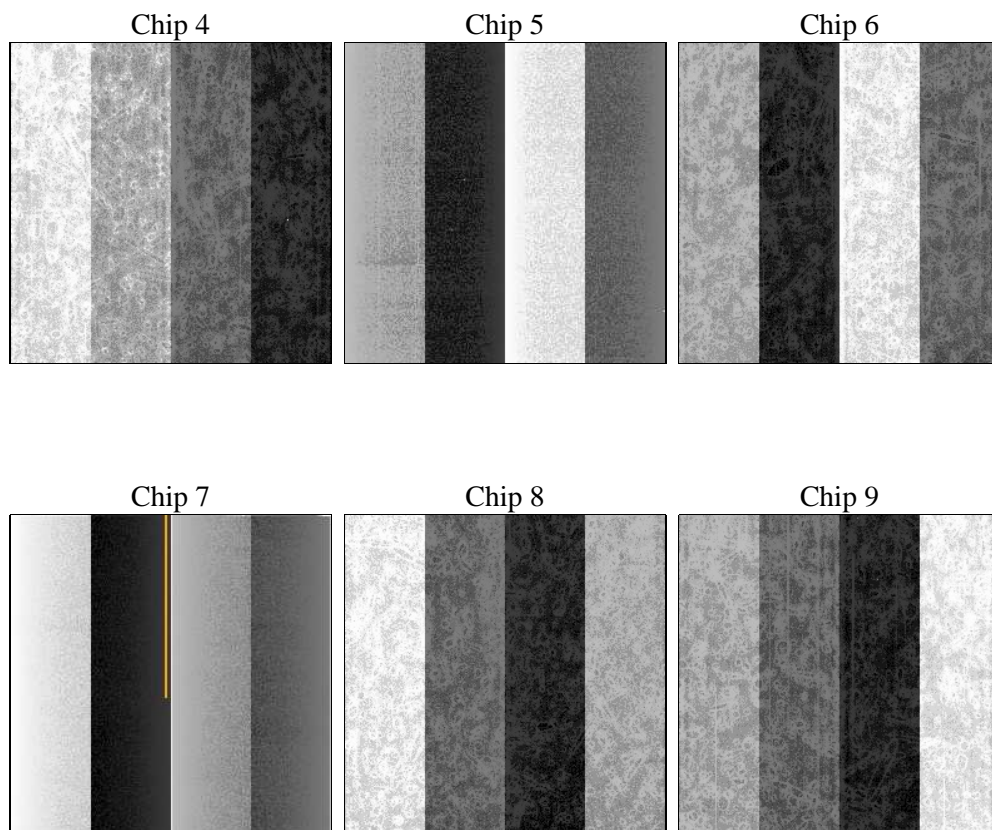
2 OBI

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	6822.3999746442	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	6822.363710165	Sum of GTIs [s]
date	2012-05-03T13:01:57	Date and time of file creation	ontime5	6822.3999746442	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6822.3999746442	Sum of GTIs [s]
			ontime7	6822.3999746442	Sum of GTIs [s]
			ontime8	6819.0816998482	Sum of GTIs [s]
			ontime9	6822.3999746442	Sum of GTIs [s]
			l1events	1004931	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	159498	176895	158033	175383	176819	158303	grade 0 events	53646	20765	51795	25942	55123	51015
rejected events	66879	58273	61037	52789	68698	64334		33%	11%	32%	14%	31%	32%
rejected %	41%	32%	38%	30%	38%	40%	grade 1 events	509	172	322	134	335	372
								0%	0%	0%	0%	0%	0%
							grade 2 events	14678	42968	17215	26793	19871	16329
								9%	24%	10%	15%	11%	10%
							grade 3 events	6463	5775	6166	11762	7614	6180
								4%	3%	3%	6%	4%	3%
							grade 4 events	6199	5679	6102	11684	7477	6114
								3%	3%	3%	6%	4%	3%
							grade 5 events	3408	8163	3578	8731	4681	3868
								2%	4%	2%	4%	2%	2%
							grade 6 events	11951	43874	16025	46825	18370	14626
								7%	24%	10%	26%	10%	9%
							grade 7 events	62644	49499	56830	43512	63348	59799
								39%	27%	35%	24%	35%	37%

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	205.0296903430289	Alternating exposures requested	N	N
[deg] Pointing Dec	0	37.01614341123595	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	1.337489310320239			
[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)	309382412.368239	309382411.34324			
Observation start date	2007-10-21T19:33:32	2007-10-21T19:33:31			
[s] Observation end time (MET)	309393205.61876	309393204.59376			
Observation end date	2007-10-21T22:33:26	2007-10-21T22:33:24			
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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.8223999746442

A.2 Comments