

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59578 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 25 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

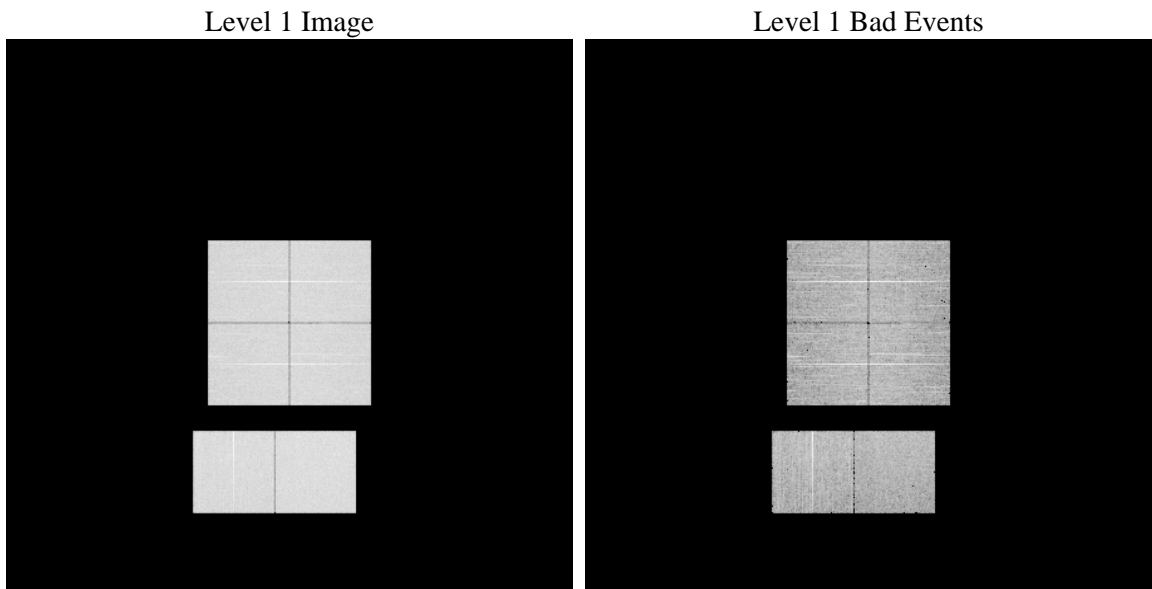
1 Front

seq_num	 	Sequence number
obs_id	59578	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	284.47782248973	Nominal RA [deg]
dec_nom	-2.0180870868666	Nominal Dec [deg]
roll_nom	186.2564216291	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7798.3346384764	Sum of GTIs [s]
livetime	7699.5874296906	Livetime [s]
ontime0	7286.2207612097	Sum of GTIs [s]
ontime1	7396.3726916313	Sum of GTIs [s]
ontime2	7075.1158698499	Sum of GTIs [s]
ontime3	7166.3868304491	Sum of GTIs [s]
ontime6	7636.1222133338	Sum of GTIs [s]
ontime7	7798.3346384764	Sum of GTIs [s]
l2events	1019479	Number of level 2 events

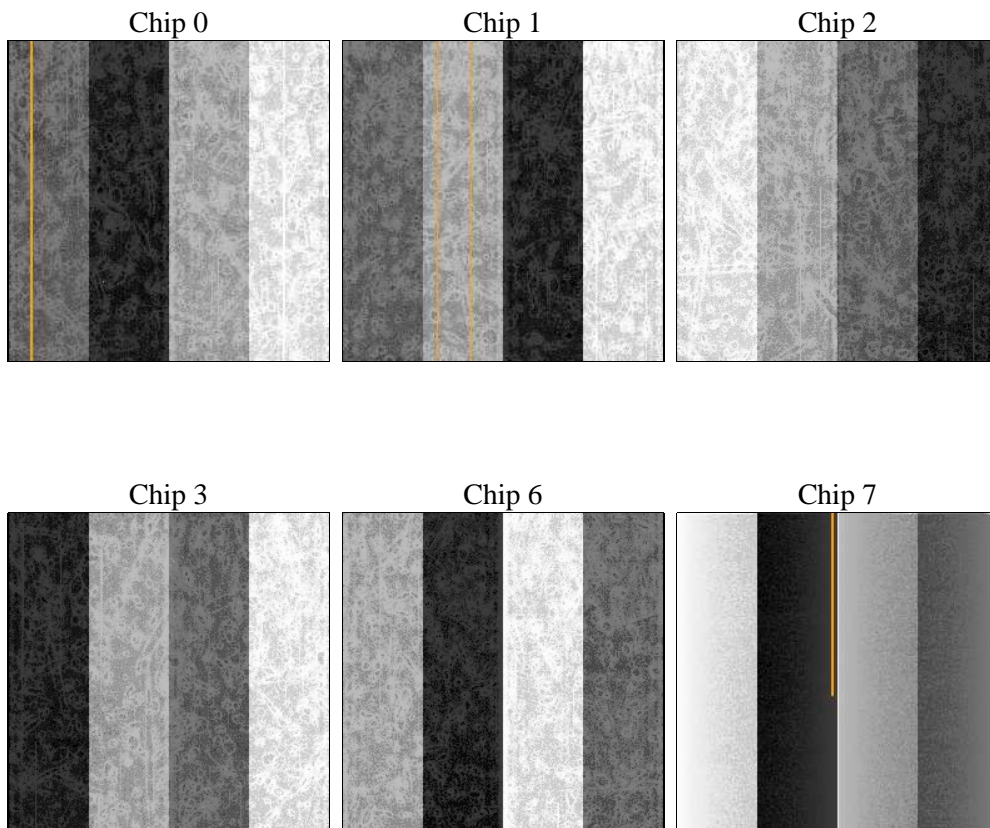
2 OBI

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	8.5.1.1	Processing system revision	ontime	7798.3346384764	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	7286.2207612097	Sum of GTIs [s]
date	2012-12-26T01:56:43	Date and time of file creation	ontime1	7396.3726916313	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7075.1158698499	Sum of GTIs [s]
			ontime3	7166.3868304491	Sum of GTIs [s]
			ontime6	7636.1222133338	Sum of GTIs [s]
			ontime7	7798.3346384764	Sum of GTIs [s]
			l1events	1403145	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	223862	227350	220784	225668	247098	258383	grade 0 events	92843	94074	92717	94384	101447	48706
rejected events	54655	54175	54587	56778	59927	50445		41%	41%	41%	41%	41%	18%
rejected %	24%	23%	24%	25%	24%	19%	grade 1 events	610	518	646	643	524	152
								0%	0%	0%	0%	0%	0%
							grade 2 events	29534	31184	28075	28797	32504	45587
								13%	13%	12%	12%	13%	17%
							grade 3 events	11267	11271	10914	11036	11692	20999
								5%	4%	4%	4%	4%	8%
							grade 4 events	11029	10905	10961	11154	11713	20351
								4%	4%	4%	4%	4%	7%
							grade 5 events	3202	3455	3055	3411	3812	8967
								1%	1%	1%	1%	1%	3%
							grade 6 events	24605	25815	23530	23602	29894	72376
								10%	11%	10%	10%	12%	28%
							grade 7 events	50772	50128	50886	52641	55512	41245
								22%	22%	23%	23%	22%	15%

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	284.4778224897324	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-2.018087086866639	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	186.2564216290988			
[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)	237137901.823242	237137900.79825			
Observation start date	2005-07-07T15:38:22	2005-07-07T15:38:20			
[s] Observation end time (MET)	237152393.273905	237152392.24891			
Observation end date	2005-07-07T19:39:53	2005-07-07T19:39:52			
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)	2013.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7983346384764

A.2 Comments