

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 59920 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 14 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

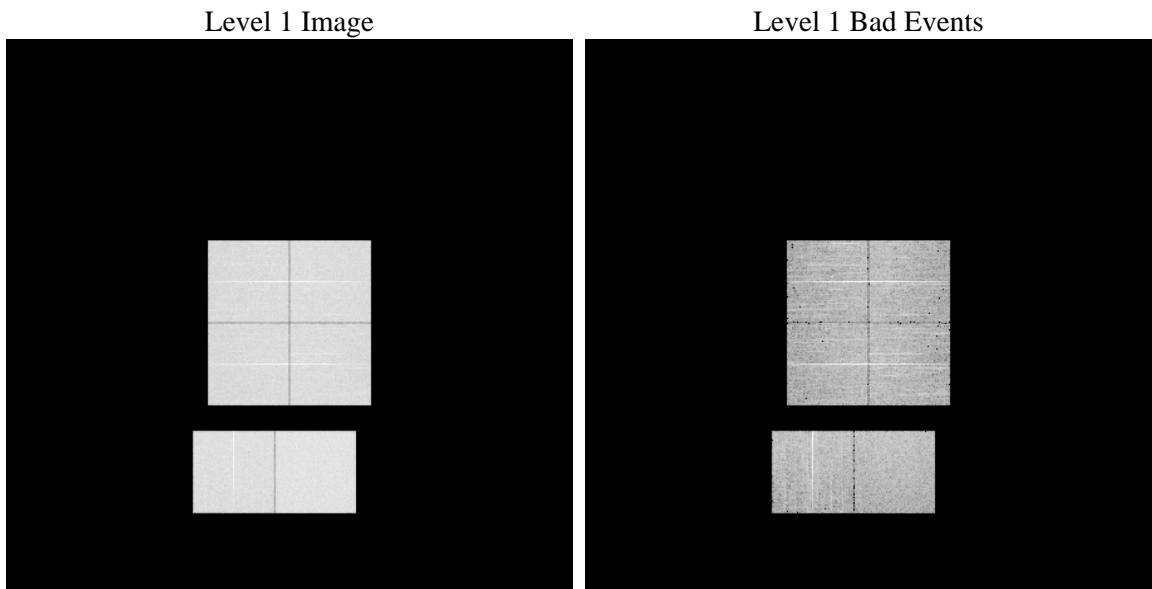
1 Front

seq_num	 	Sequence number
obs_id	59920	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	112.7633721013	Nominal RA [deg]
dec_nom	42.115426482699	Nominal Dec [deg]
roll_nom	118.93332243973	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7798.0491619706	Sum of GTIs [s]
livetime	7699.3055680603	Livetime [s]
ontime0	6514.4398547113	Sum of GTIs [s]
ontime1	6832.1551243961	Sum of GTIs [s]
ontime2	6320.0389991105	Sum of GTIs [s]
ontime3	6368.5954134762	Sum of GTIs [s]
ontime6	6939.0084723532	Sum of GTIs [s]
ontime7	7798.0491619706	Sum of GTIs [s]
l2events	1059572	Number of level 2 events

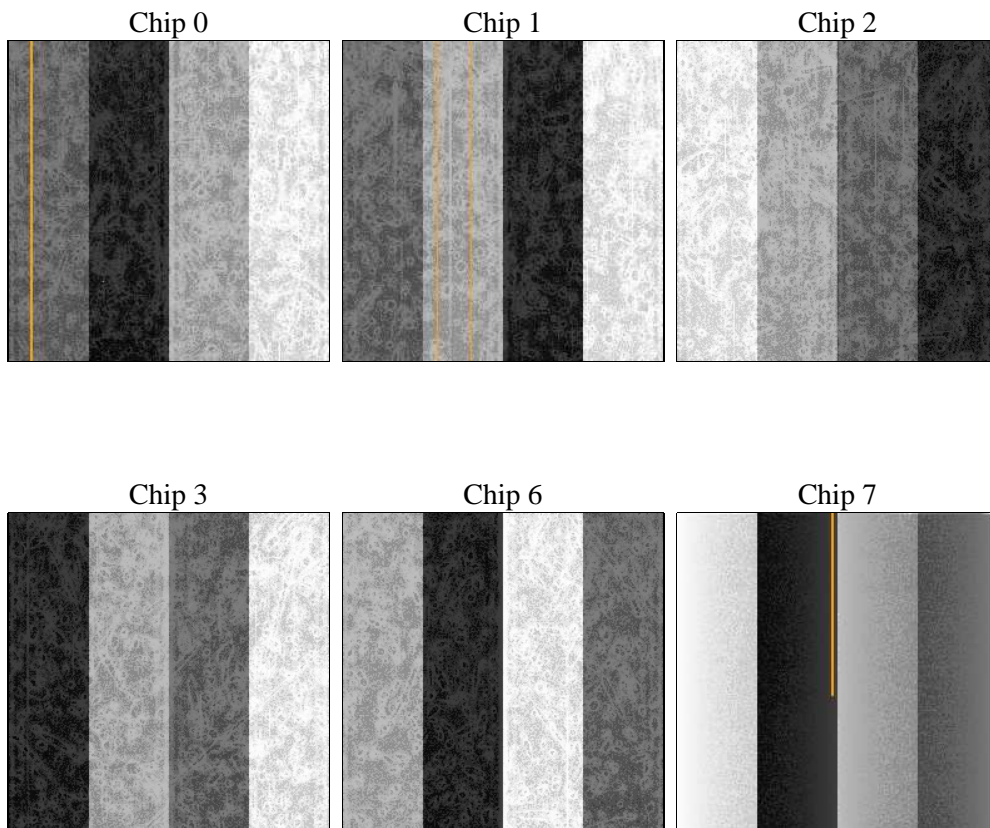
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	7798.0491619706	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	6514.4398547113	Sum of GTIs [s]
date	2012-12-14T20:35:25	Date and time of file creation	ontime1	6832.1551243961	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6320.0389991105	Sum of GTIs [s]
			ontime3	6368.5954134762	Sum of GTIs [s]
			ontime6	6939.0084723532	Sum of GTIs [s]
			ontime7	7798.0491619706	Sum of GTIs [s]
			l1events	1409842	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	219063	228913	215301	221916	245142	279507	grade 0 events	94743	98898	94858	96445	104159	55372
rejected events	47740	48580	47257	50797	53336	49307		43%	43%	44%	43%	42%	19%
rejected %	21%	21%	21%	22%	21%	17%	grade 1 events	562	478	587	624	554	171
								0%	0%	0%	0%	0%	0%
							grade 2 events	29624	32235	27764	29095	33208	50571
								13%	14%	12%	13%	13%	18%
							grade 3 events	11058	11507	10912	11233	12000	22994
								5%	5%	5%	5%	4%	8%
							grade 4 events	11050	11445	11104	11049	11898	22692
								5%	4%	5%	4%	4%	8%
							grade 5 events	2937	3232	2762	3057	3361	8677
								1%	1%	1%	1%	1%	3%
							grade 6 events	24848	26336	23482	23297	30541	78665
								11%	11%	10%	10%	12%	28%
							grade 7 events	44241	44782	43832	47116	49421	40365
								20%	19%	20%	21%	20%	14%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	112.7633721012953
[deg] Pointing Dec	0	42.11542648269913
[deg] Pointing Roll	0.0	118.933322439725
[mm] SIM focus pos	-0.782348	-1.428180813131781
[mm] SIM defocus	0	0.1051558262725154
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	219546293.424897	219546292.39991
Observation start date	2004-12-16T01:04:53	2004-12-16T01:04:52
[s] Observation end time (MET)	219561354.775575	219561353.75058
Observation end date	2004-12-16T05:15:55	2004-12-16T05:15:53
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7980491619706

A.2 Comments