

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 54620 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 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

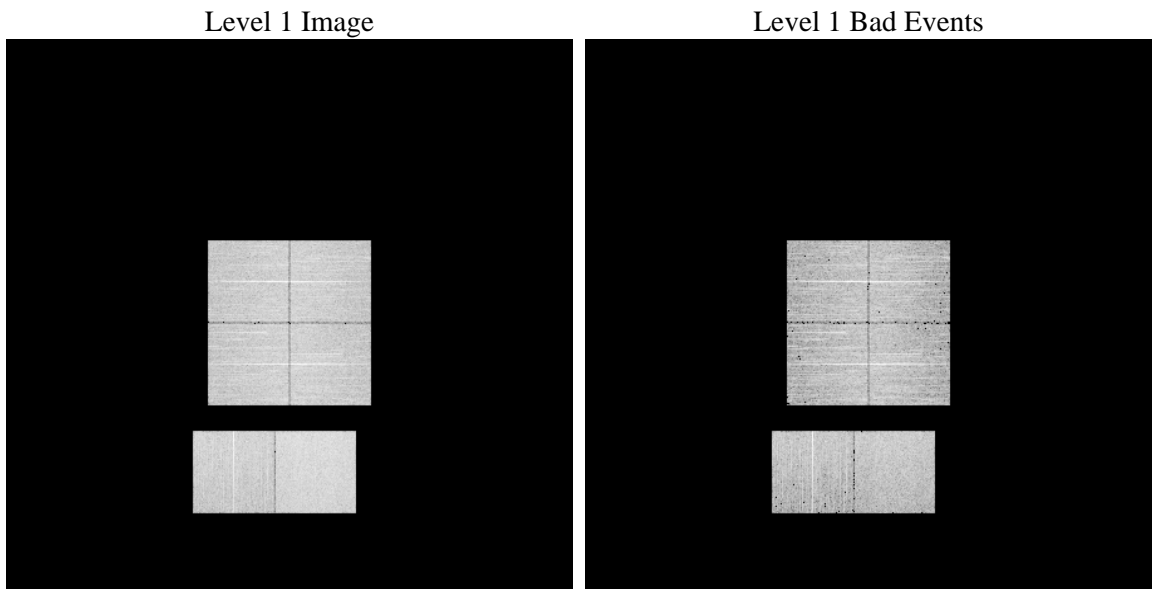
1 Front

seq_num	 	Sequence number
obs_id	54620	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	200.03095046887	Nominal RA [deg]
dec_nom	-37.014543207046	Nominal Dec [deg]
roll_nom	296.70564397669	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8287.1601737738	Sum of GTIs [s]
livetime	8182.2231617247	Livetime [s]
ontime0	8287.1191337705	Sum of GTIs [s]
ontime1	8287.0780937672	Sum of GTIs [s]
ontime2	8287.0370537639	Sum of GTIs [s]
ontime3	8287.2012137771	Sum of GTIs [s]
ontime6	8286.9960137606	Sum of GTIs [s]
ontime7	8287.1601737738	Sum of GTIs [s]
l2events	258056	Number of level 2 events

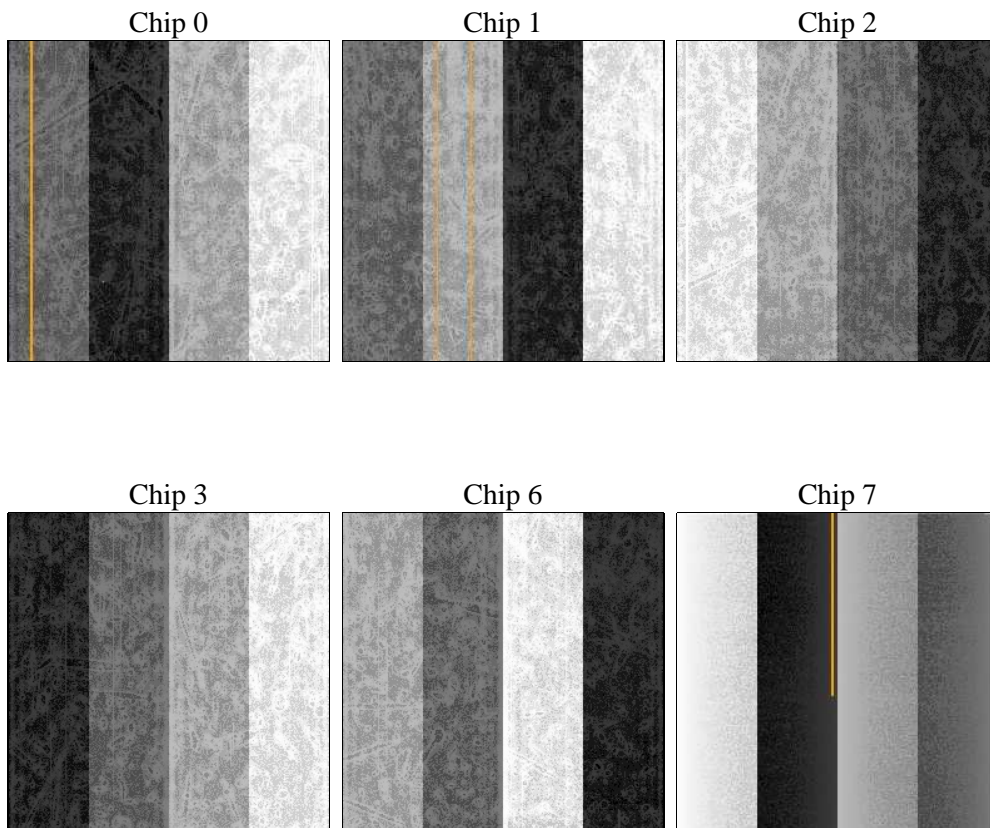
2 OBI

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	8287.1601737738	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8287.1191337705	Sum of GTIs [s]
date	2012-05-14T06:54:36	Date and time of file creation	ontime1	8287.0780937672	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8287.0370537639	Sum of GTIs [s]
			ontime3	8287.2012137771	Sum of GTIs [s]
			ontime6	8286.9960137606	Sum of GTIs [s]
			ontime7	8287.1601737738	Sum of GTIs [s]
			l1events	586935	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	90411	91391	92324	93156	95538	124115	grade 0 events	20936	20340	21969	21766	21625	11022
rejected events	49995	50449	51670	52436	53082	56174		23%	22%	23%	23%	22%	8%
rejected %	55%	55%	55%	56%	55%	45%	grade 1 events	114	91	129	135	117	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	7551	8324	7094	7162	7919	15050
								8%	9%	7%	7%	8%	12%
							grade 3 events	2810	2827	2827	2784	2852	5988
								3%	3%	3%	2%	2%	4%
							grade 4 events	2895	2730	2730	2862	2741	5778
								3%	2%	2%	3%	2%	4%
							grade 5 events	3210	3375	3037	3600	3457	8550
								3%	3%	3%	3%	3%	6%
							grade 6 events	6224	6721	6034	6146	7319	30103
								6%	7%	6%	6%	7%	24%
							grade 7 events	46671	46983	48504	48701	49508	47529
								51%	51%	52%	52%	51%	38%

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	200.0309504688655
[deg] Pointing Dec	0	-37.01454320704632
[deg] Pointing Roll	0.0	296.7056439766851
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	453280341.781004	453280340.756
Observation start date	2012-05-13T07:12:22	2012-05-13T07:12:20
[s] Observation end time (MET)	453290167.431526	453290166.40653
Observation end date	2012-05-13T09:56:07	2012-05-13T09:56:06
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2871601737738

A.2 Comments