

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54817 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 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

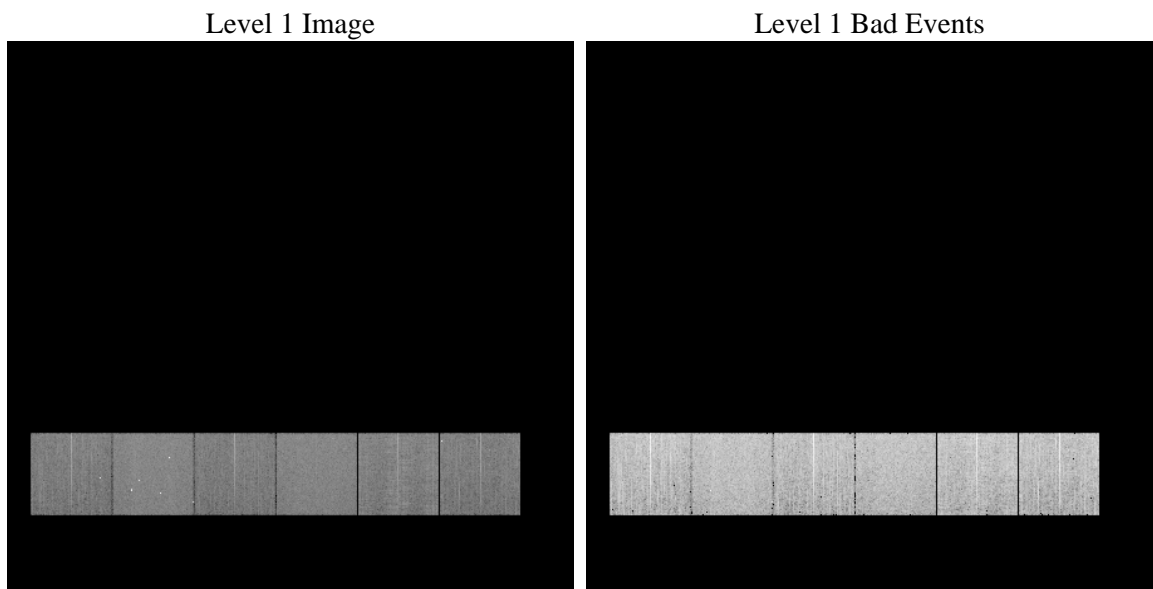
1 Front

seq_num	 	Sequence number
obs_id	54817	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	163.97288149861	Nominal RA [deg]
dec_nom	34.982422444572	Nominal Dec [deg]
roll_nom	179.92475885314	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7481.5999721885	Sum of GTIs [s]
livetime	7386.863448462	Livetime [s]
ontime4	7481.5999721885	Sum of GTIs [s]
ontime5	7481.5999721885	Sum of GTIs [s]
ontime6	7481.5999721885	Sum of GTIs [s]
ontime7	7481.5999721885	Sum of GTIs [s]
ontime8	7481.5999721885	Sum of GTIs [s]
ontime9	7481.5999721885	Sum of GTIs [s]
l2events	267180	Number of level 2 events

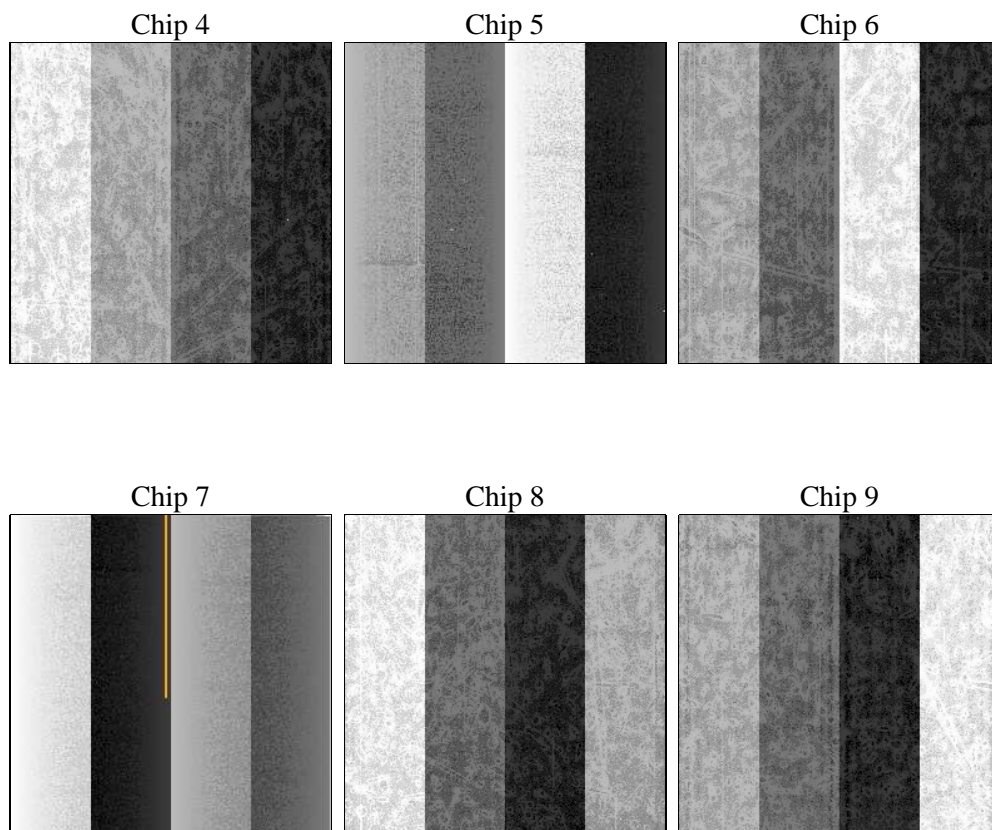
2 OBI

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	8.4.3	Processing system revision	ontime	7481.5999721885	Sum of GTIs [s]
caldsver	4.4.8	 	ontime4	7481.5999721885	Sum of GTIs [s]
date	2012-03-03T17:24:55	Date and time of file creation	ontime5	7481.5999721885	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7481.5999721885	Sum of GTIs [s]
			ontime7	7481.5999721885	Sum of GTIs [s]
			ontime8	7481.5999721885	Sum of GTIs [s]
			ontime9	7481.5999721885	Sum of GTIs [s]
			l1events	622557	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	93143	125455	90205	114387	106483	92884	grade 0 events	22548	13693	20221	10028	23102	22149
rejected events	54400	52993	50480	51785	57198	52587		24%	10%	22%	8%	21%	23%
rejected %	58%	42%	55%	45%	53%	56%	grade 1 events	168	296	106	83	120	154
								0%	0%	0%	0%	0%	0%
							grade 2 events	5865	23977	7605	13721	9473	6790
								6%	19%	8%	11%	8%	7%
							grade 3 events	2721	2517	2636	5312	3874	2577
								2%	2%	2%	4%	3%	2%
							grade 4 events	2658	2472	2475	5297	3717	2597
								2%	1%	2%	4%	3%	2%
							grade 5 events	3051	6214	3106	7772	4225	3408
								3%	4%	3%	6%	3%	3%
							grade 6 events	4951	29803	6788	28271	9119	6200
								5%	23%	7%	24%	8%	6%
							grade 7 events	51181	46483	47268	43903	52853	49009
								54%	37%	52%	38%	49%	52%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	163.9728814986066
[deg] Pointing Dec	0	34.98242244457216
[deg] Pointing Roll	0.0	179.924758853141
[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)	447113029.203899	447113028.1789
Observation start date	2012-03-02T22:03:49	2012-03-02T22:03:48
[s] Observation end time (MET)	447125493.20456	447125492.17956
Observation end date	2012-03-03T01:31:33	2012-03-03T01:31:32
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)	2012.03.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4815999721885

A.2 Comments