

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57825 - L2 Version 2
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

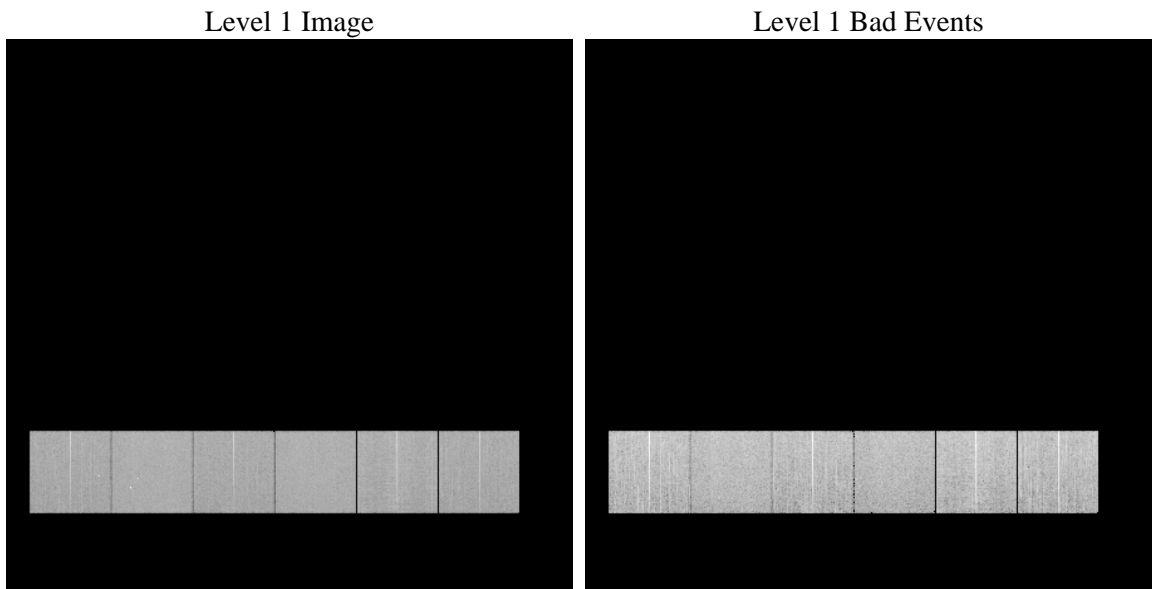
1 Front

seq_num	 	Sequence number
obs_id	57825	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	248.68929384844	Nominal RA [deg]
dec_nom	-25.073427359852	Nominal Dec [deg]
roll_nom	74.910960425723	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8246.3999693394	Sum of GTIs [s]
livetime	8141.9790875417	Livetime [s]
ontime4	8246.3999693394	Sum of GTIs [s]
ontime5	8246.3999693394	Sum of GTIs [s]
ontime6	8246.3999693394	Sum of GTIs [s]
ontime7	8246.3999693394	Sum of GTIs [s]
ontime8	8243.1410813928	Sum of GTIs [s]
ontime9	8246.3999693394	Sum of GTIs [s]
l2events	630264	Number of level 2 events

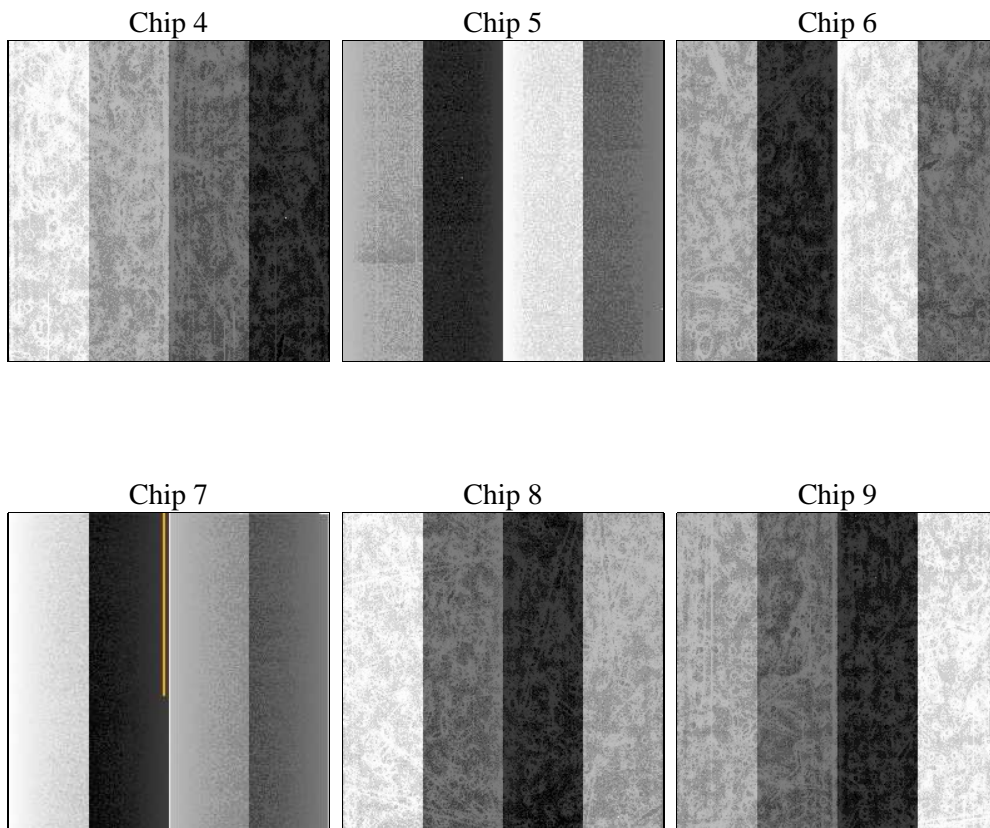
2 OBI

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	8246.3999693394	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8246.3999693394	Sum of GTIs [s]
date	2012-05-14T04:41:36	Date and time of file creation	ontime5	8246.3999693394	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8246.3999693394	Sum of GTIs [s]
			ontime7	8246.3999693394	Sum of GTIs [s]
			ontime8	8243.1410813928	Sum of GTIs [s]
			ontime9	8246.3999693394	Sum of GTIs [s]
			l1events	1118326	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	175213	199276	174816	197639	194558	176824	grade 0 events	55522	21225	54867	26995	58835	53868
rejected events	77913	69602	71621	64271	79792	76523		31%	10%	31%	13%	30%	30%
rejected %	44%	34%	40%	32%	41%	43%	grade 1 events	562	219	315	175	414	341
								0%	0%	0%	0%	0%	0%
							grade 2 events	15840	46659	18419	29048	20906	17603
								9%	23%	10%	14%	10%	9%
							grade 3 events	6667	6482	6770	12779	8289	6809
								3%	3%	3%	6%	4%	3%
							grade 4 events	6682	6441	6565	12411	8117	6722
								3%	3%	3%	6%	4%	3%
							grade 5 events	4157	9466	4190	10479	5357	4720
								2%	4%	2%	5%	2%	2%
							grade 6 events	12961	49331	16996	52646	19051	15681
								7%	24%	9%	26%	9%	8%
							grade 7 events	72822	59453	66694	53106	73589	71080
								41%	29%	38%	26%	37%	40%

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	248.6892938484401
[deg] Pointing Dec	0	-25.07342735985195
[deg] Pointing Roll	0.0	74.91096042572298
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	326505202.198507	326505201.17352
Observation start date	2008-05-06T23:53:22	2008-05-06T23:53:21
[s] Observation end time (MET)	326527715.299603	326527714.27462
Observation end date	2008-05-07T06:08:35	2008-05-07T06:08:34
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)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2463999693394

A.2 Comments