

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61181 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 8 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

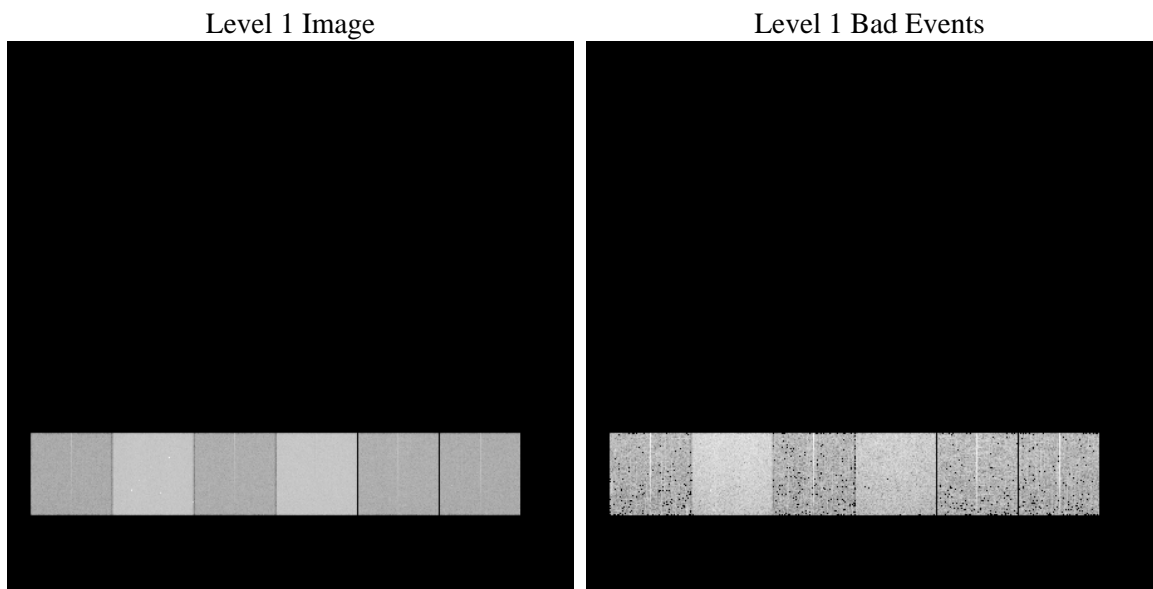
1 Front

seq_num	 	Sequence number
obs_id	61181	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	289.98254602637	Nominal RA [deg]
dec_nom	-29.975712468728	Nominal Dec [deg]
roll_nom	89.109120617733	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7636.2536241114	Sum of GTIs [s]
livetime	7539.558782723	Livetime [s]
ontime4	2865.0765623152	Sum of GTIs [s]
ontime5	8226.067933619	Sum of GTIs [s]
ontime6	3066.0201949477	Sum of GTIs [s]
ontime7	7636.2536241114	Sum of GTIs [s]
ontime8	3105.1917149127	Sum of GTIs [s]
ontime9	2975.7561424673	Sum of GTIs [s]
l2events	1325390	Number of level 2 events

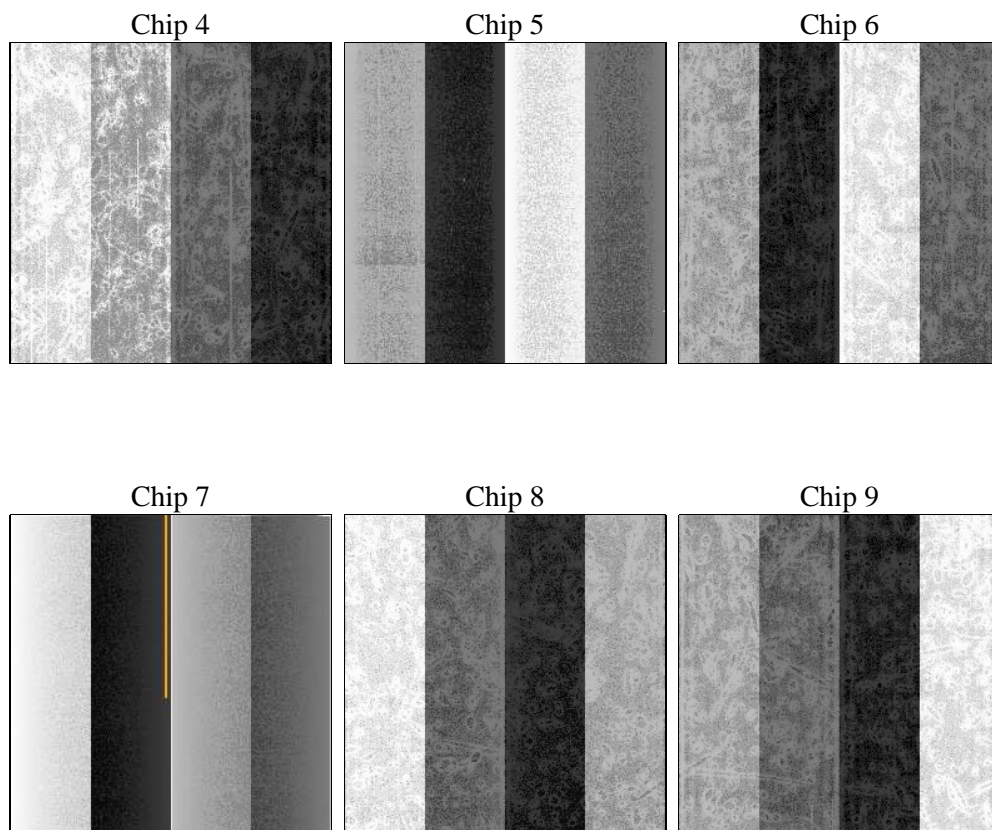
2 OBI

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	8.4.5	Processing system revision	ontime	7636.2536241114	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	2865.0765623152	Sum of GTIs [s]
date	2012-10-08T11:20:52	Date and time of file creation	ontime5	8226.067933619	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3066.0201949477	Sum of GTIs [s]
			ontime7	7636.2536241114	Sum of GTIs [s]
			ontime8	3105.1917149127	Sum of GTIs [s]
			ontime9	2975.7561424673	Sum of GTIs [s]
			l1events	1566608	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	160964	428439	181401	436268	187761	171775	grade 0 events	78576	88170	87649	100486	89585	82406
rejected events	21483	55241	20844	39293	24225	22214		48%	20%	48%	23%	47%	47%
rejected %	13%	12%	11%	9%	12%	12%	grade 1 events	404	305	423	252	424	387
								0%	0%	0%	0%	0%	0%
							grade 2 events	24771	134424	27657	87566	29260	26340
								15%	31%	15%	20%	15%	15%
							grade 3 events	8513	23714	9778	40228	10275	9053
								5%	5%	5%	9%	5%	5%
							grade 4 events	8734	23291	9800	39858	10294	9509
								5%	5%	5%	9%	5%	5%
							grade 5 events	1471	9982	1708	7785	1749	1620
								0%	2%	0%	1%	0%	0%
							grade 6 events	18887	103754	25673	129018	24283	22425
								11%	24%	14%	29%	12%	13%
							grade 7 events	19608	44799	18713	31075	21891	20035
								12%	10%	10%	7%	11%	11%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	289.9825460263709	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-29.9757124687281	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	89.10912061773317			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	138929705.813	138929704.78873			
Observation start date	2002-05-27T23:35:06	2002-05-27T23:35:04			
[s] Observation end time (MET)	138951015.564	138951014.5396			
Observation end date	2002-05-28T05:30:16	2002-05-28T05:30:14			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6362536241114

A.2 Comments