

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61579 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 20 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

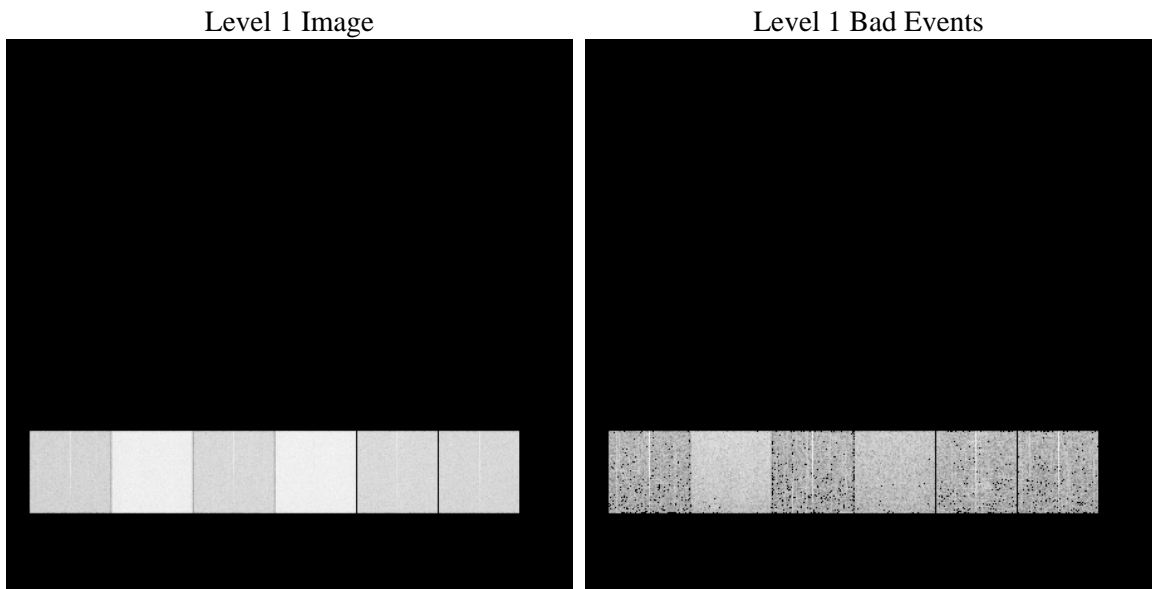
1 Front

seq_num	 	Sequence number
obs_id	61579	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	301.98759116267	Nominal RA [deg]
dec_nom	-33.973242688114	Nominal Dec [deg]
roll_nom	78.286500484592	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5986.2522113174	Sum of GTIs [s]
livetime	5910.4506813294	Livetime [s]
ontime4	2284.9059922695	Sum of GTIs [s]
ontime5	6446.4280159175	Sum of GTIs [s]
ontime6	2508.5627505779	Sum of GTIs [s]
ontime7	5986.2522113174	Sum of GTIs [s]
ontime8	2560.3533216268	Sum of GTIs [s]
ontime9	2482.6344605535	Sum of GTIs [s]
l2events	1332032	Number of level 2 events

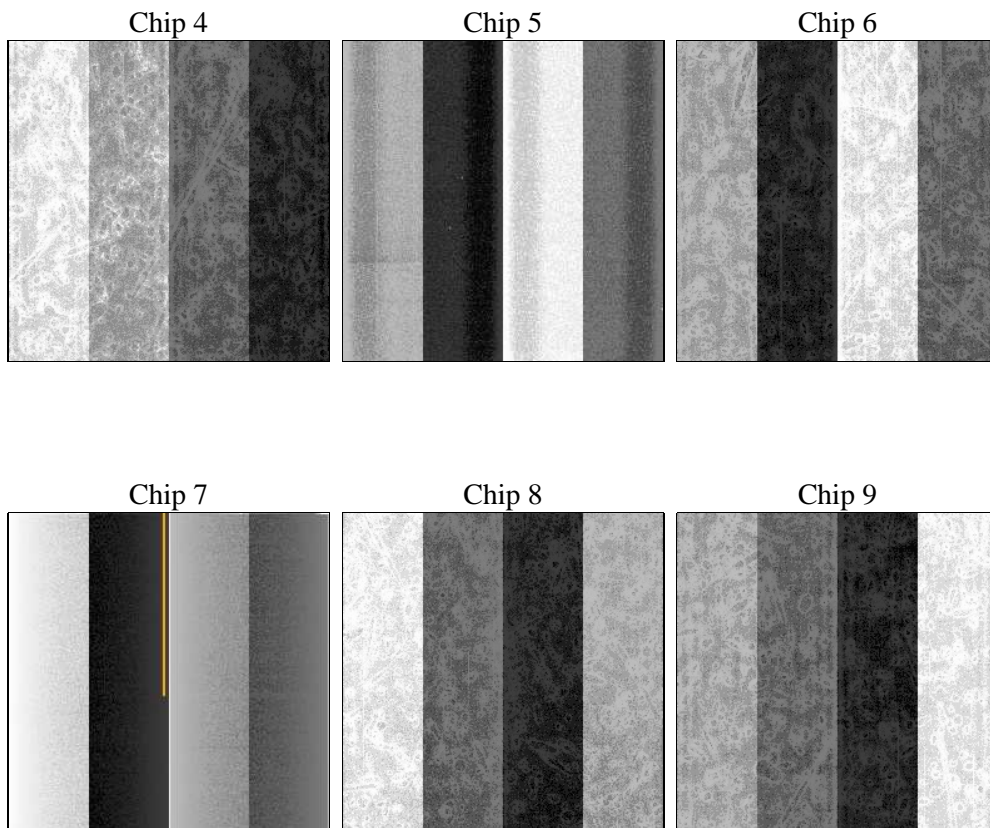
2 OBI

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	5986.2522113174	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	2284.9059922695	Sum of GTIs [s]
date	2012-09-20T12:35:09	Date and time of file creation	ontime5	6446.4280159175	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2508.5627505779	Sum of GTIs [s]
			ontime7	5986.2522113174	Sum of GTIs [s]
			ontime8	2560.3533216268	Sum of GTIs [s]
			ontime9	2482.6344605535	Sum of GTIs [s]
			l1events	1549138	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	159197	411433	186489	423111	191462	177446	grade 0 events	78856	88434	90930	99874	93192	86642
rejected events	20130	46480	20385	31946	22244	20044		49%	21%	48%	23%	48%	48%
rejected %	12%	11%	10%	7%	11%	11%	grade 1 events	448	275	448	293	463	469
								0%	0%	0%	0%	0%	0%
							grade 2 events	24794	130535	28669	86568	29757	27824
								15%	31%	15%	20%	15%	15%
							grade 3 events	8541	23680	10080	39835	10667	9558
								5%	5%	5%	9%	5%	5%
							grade 4 events	8487	23332	10224	39736	10468	9823
								5%	5%	5%	9%	5%	5%
							grade 5 events	1238	9097	1426	6786	1705	1500
								0%	2%	0%	1%	0%	0%
							grade 6 events	18389	99142	26201	125366	25134	23555
								11%	24%	14%	29%	13%	13%
							grade 7 events	18444	36938	18511	24653	20076	18075
								11%	8%	9%	5%	10%	10%

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	301.9875911626743
[deg] Pointing Dec	0	-33.97324268811399
[deg] Pointing Roll	0.0	78.28650048459227
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	109452731.828	109452731.05983
Observation start date	2001-06-20T19:32:12	2001-06-20T19:32:11
[s] Observation end time (MET)	109475777.929	109475777.16073
Observation end date	2001-06-21T01:56:18	2001-06-21T01:56:17
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	0.000000	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)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.9862522113174

A.2 Comments