

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58136 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 4 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

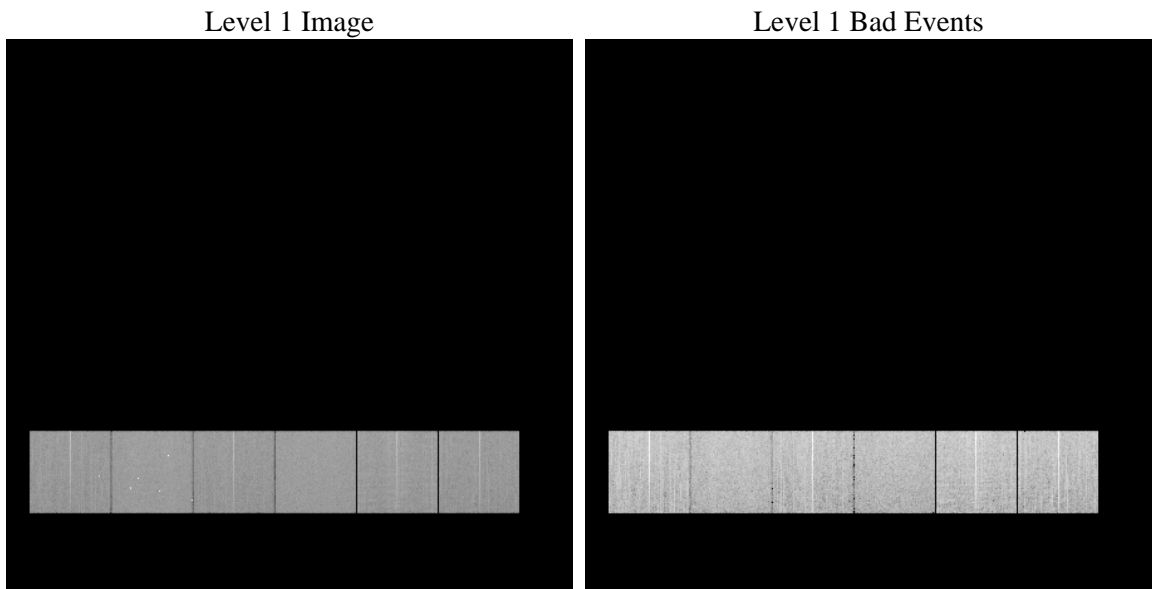
1 Front

seq_num	 	Sequence number
obs_id	58136	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	193.01106278601	Nominal RA [deg]
dec_nom	28.026971819624	Nominal Dec [deg]
roll_nom	37.157445580565	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7788.7731362581	Sum of GTIs [s]
livetime	7690.1470009707	Livetime [s]
ontime4	7788.6500162482	Sum of GTIs [s]
ontime5	7788.7320962548	Sum of GTIs [s]
ontime6	7788.6910562515	Sum of GTIs [s]
ontime7	7788.7731362581	Sum of GTIs [s]
ontime8	7788.6089762449	Sum of GTIs [s]
ontime9	7788.7999710441	Sum of GTIs [s]
l2events	661259	Number of level 2 events

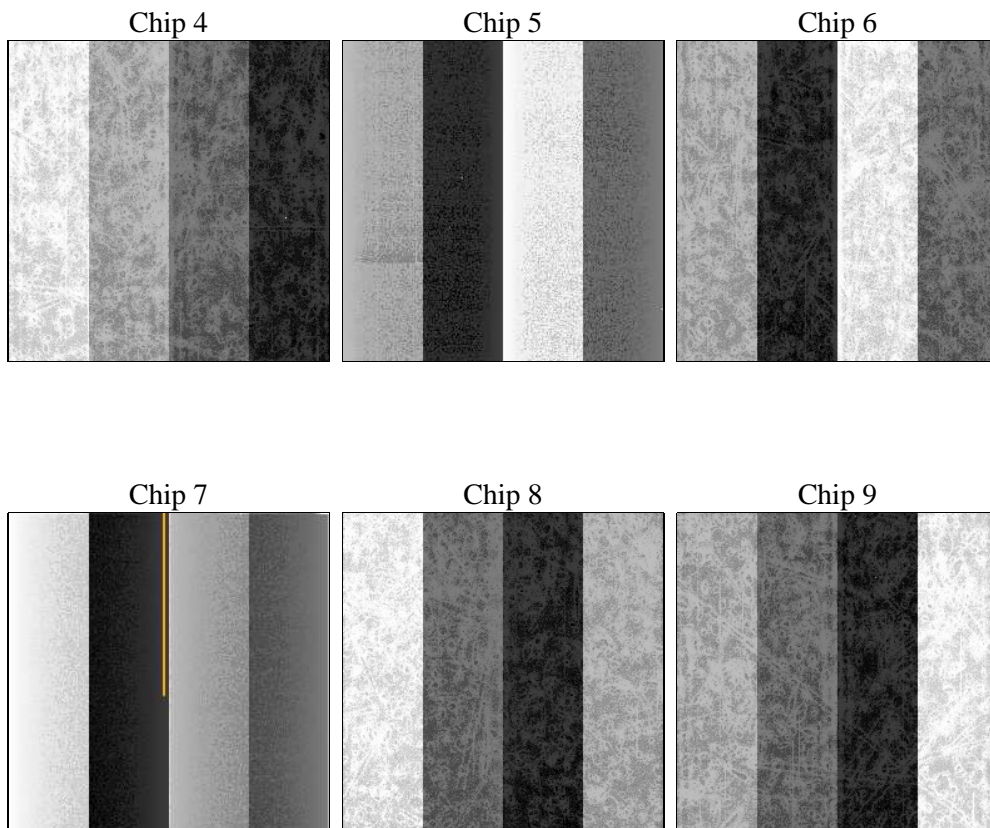
2 OBI

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	7788.7731362581	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	7788.6500162482	Sum of GTIs [s]
date	2012-05-04T04:04:09	Date and time of file creation	ontime5	7788.7320962548	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7788.6910562515	Sum of GTIs [s]
			ontime7	7788.7731362581	Sum of GTIs [s]
			ontime8	7788.6089762449	Sum of GTIs [s]
			ontime9	7788.7999710441	Sum of GTIs [s]
			l1events	1157497	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	181915	208054	180700	203330	203216	180282	grade 0 events	58311	27658	57982	28884	62247	57100
rejected events	79476	68286	71921	63177	82245	75049		32%	13%	32%	14%	30%	31%
rejected %	43%	32%	39%	31%	40%	41%	grade 1 events	569	261	349	158	392	462
								0%	0%	0%	0%	0%	0%
							grade 2 events	16530	48232	19174	30524	22012	18224
								9%	23%	10%	15%	10%	10%
							grade 3 events	7173	6935	7151	13343	8449	6729
								3%	3%	3%	6%	4%	3%
							grade 4 events	7120	6968	6912	13414	8453	6821
								3%	3%	3%	6%	4%	3%
							grade 5 events	4102	9627	4282	10532	5494	4586
								2%	4%	2%	5%	2%	2%
							grade 6 events	13370	50043	17614	54037	19859	16406
								7%	24%	9%	26%	9%	9%
							grade 7 events	74740	58330	67236	52438	76310	69954
								41%	28%	37%	25%	37%	38%

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	193.011062786006	Alternating exposures requested	N	N
[deg] Pointing Dec	0	28.02697181962358	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	37.15744558056468			
[mm] SIM focus pos	-0.684267	-1.038866356238299			
[mm] SIM defocus	0	0.4944702831659975			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	310931499.042959	310931498.01797			
Observation start date	2007-11-08T17:51:39	2007-11-08T17:51:38			
[s] Observation end time (MET)	310946402.543678	310946401.51869			
Observation end date	2007-11-08T22:00:03	2007-11-08T22:00:01			
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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7887731362581

A.2 Comments