

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57958 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 9 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

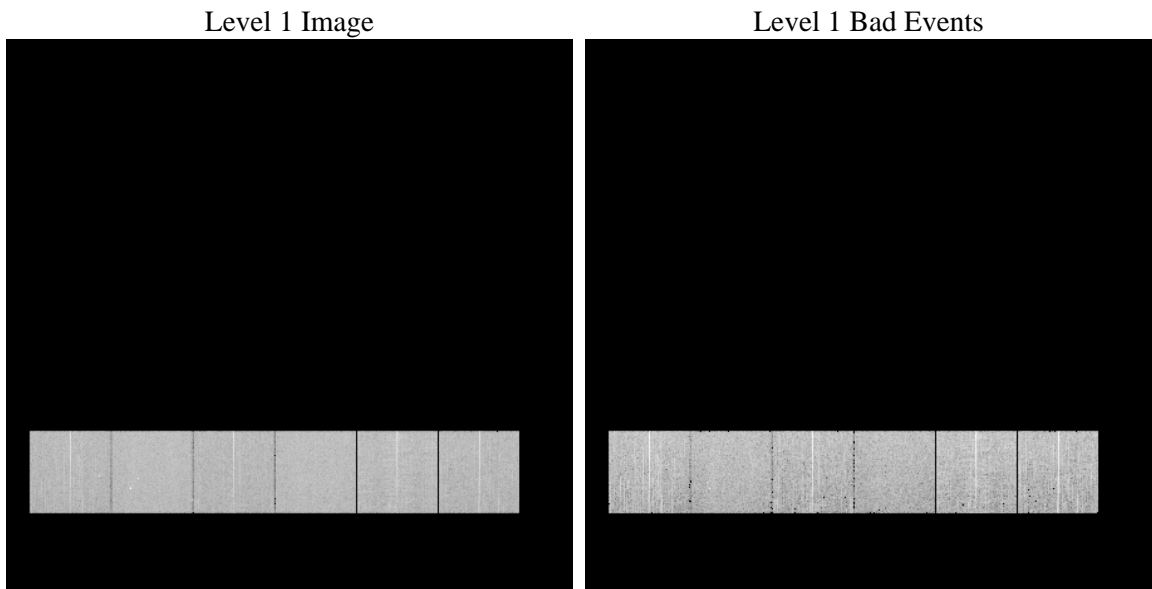
1 Front

seq_num	 	Sequence number
obs_id	57958	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	121.01214239562	Nominal RA [deg]
dec_nom	18.973661916182	Nominal Dec [deg]
roll_nom	260.65635381091	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5055.9999812245	Sum of GTIs [s]
livetime	4991.9778651046	Livetime [s]
ontime4	5055.9999812245	Sum of GTIs [s]
ontime5	5055.9999812245	Sum of GTIs [s]
ontime6	5055.9999812245	Sum of GTIs [s]
ontime7	5055.9999812245	Sum of GTIs [s]
ontime8	5052.7589809299	Sum of GTIs [s]
ontime9	5055.9999812245	Sum of GTIs [s]
l2events	395642	Number of level 2 events

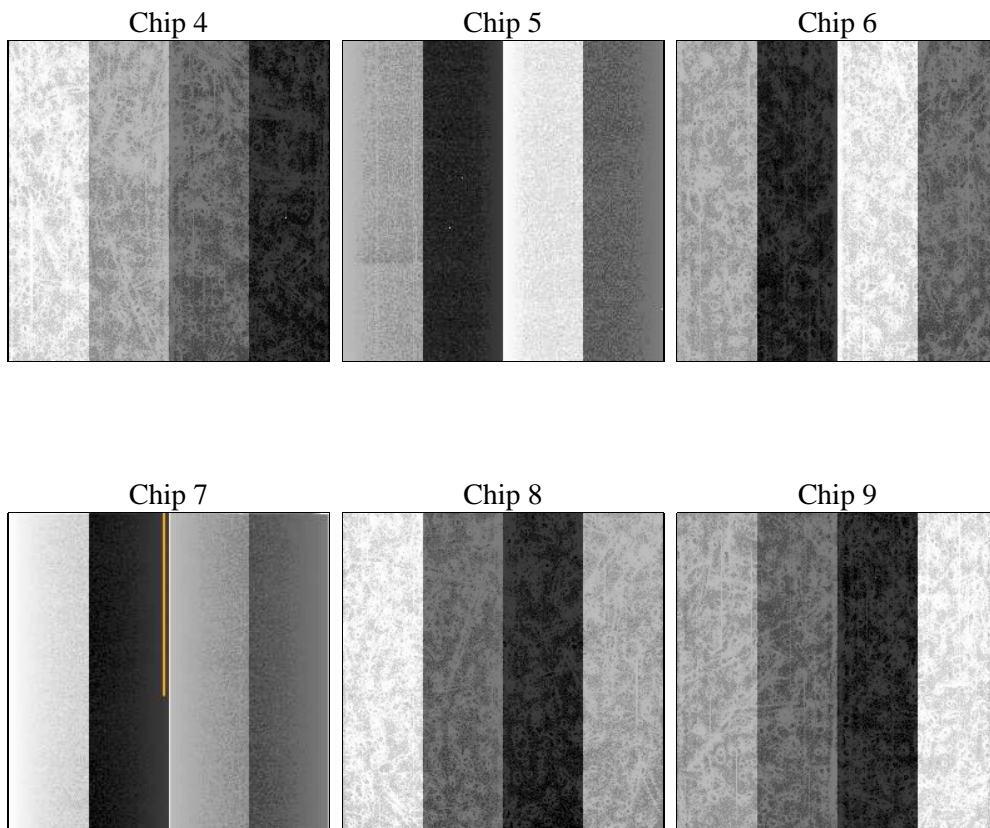
2 OBI

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	8.4.4	Processing system revision	ontime	5055.9999812245	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	5055.9999812245	Sum of GTIs [s]
date	2012-05-09T21:45:18	Date and time of file creation	ontime5	5055.9999812245	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5055.9999812245	Sum of GTIs [s]
			ontime7	5055.9999812245	Sum of GTIs [s]
			ontime8	5052.7589809299	Sum of GTIs [s]
			ontime9	5055.9999812245	Sum of GTIs [s]
			l1events	719098	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	114963	126057	112155	126124	126153	113646	grade 0 events	36306	11706	34878	17040	38084	34733
rejected events	53543	45778	47296	42500	52971	50652		31%	9%	31%	13%	30%	30%
rejected %	46%	36%	42%	33%	41%	44%	grade 1 events	409	138	203	87	264	254
								0%	0%	0%	0%	0%	0%
							grade 2 events	9513	30980	11843	18790	13496	10905
								8%	24%	10%	14%	10%	9%
							grade 3 events	4322	3559	4142	8012	5147	4173
								3%	2%	3%	6%	4%	3%
							grade 4 events	4384	3389	4070	7631	5275	4362
								3%	2%	3%	6%	4%	3%
							grade 5 events	2504	5604	2605	6413	3348	2842
								2%	4%	2%	5%	2%	2%
							grade 6 events	8098	32143	11147	33650	12516	10014
								7%	25%	9%	26%	9%	8%
							grade 7 events	49427	38538	43267	34501	48023	46363
								42%	30%	38%	27%	38%	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	121.0121423956167
[deg] Pointing Dec	0	18.97366191618242
[deg] Pointing Roll	0.0	260.6563538109131
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	319652490.565145	319652489.54013
Observation start date	2008-02-17T16:21:31	2008-02-17T16:21:29
[s] Observation end time (MET)	319670680.216029	319670679.19102
Observation end date	2008-02-17T21:24:40	2008-02-17T21:24:39
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)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0559999812245

A.2 Comments