

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 58655 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 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

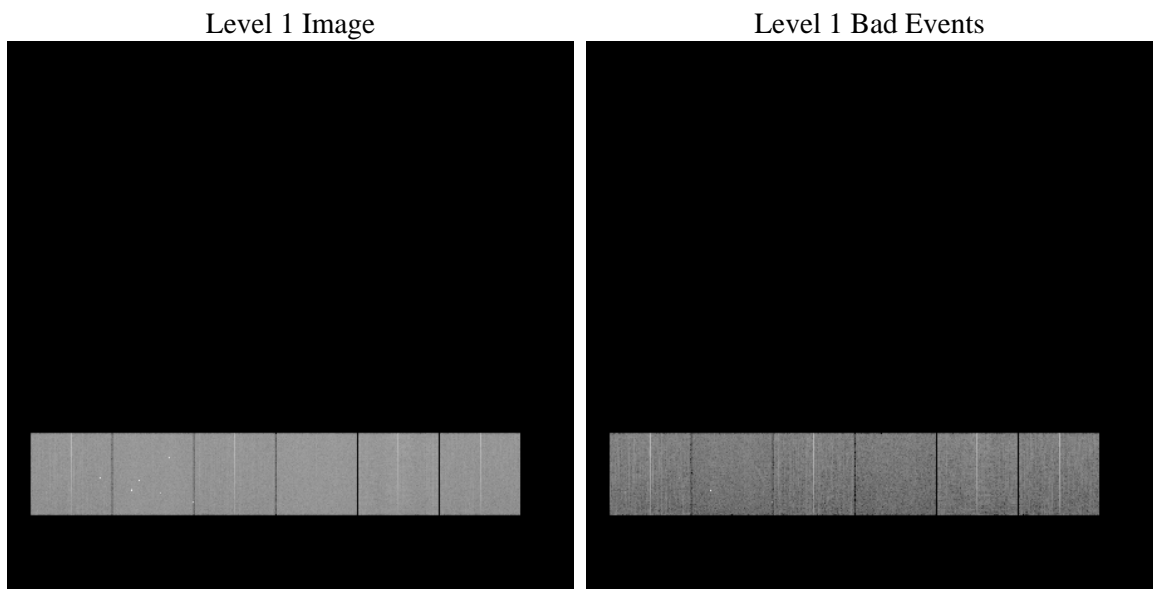
1 Front

seq_num	 	Sequence number
obs_id	58655	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	55.030029316752	Nominal RA [deg]
dec_nom	-1.0007846808374	Nominal Dec [deg]
roll_nom	325.78107146607	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8268.7999692559	Sum of GTIs [s]
livetime	8164.0954451716	Livetime [s]
ontime4	8268.7999692559	Sum of GTIs [s]
ontime5	8268.7999692559	Sum of GTIs [s]
ontime6	8268.7999692559	Sum of GTIs [s]
ontime7	8268.7999692559	Sum of GTIs [s]
ontime8	8268.7999692559	Sum of GTIs [s]
ontime9	8268.7999692559	Sum of GTIs [s]
l2events	838623	Number of level 2 events

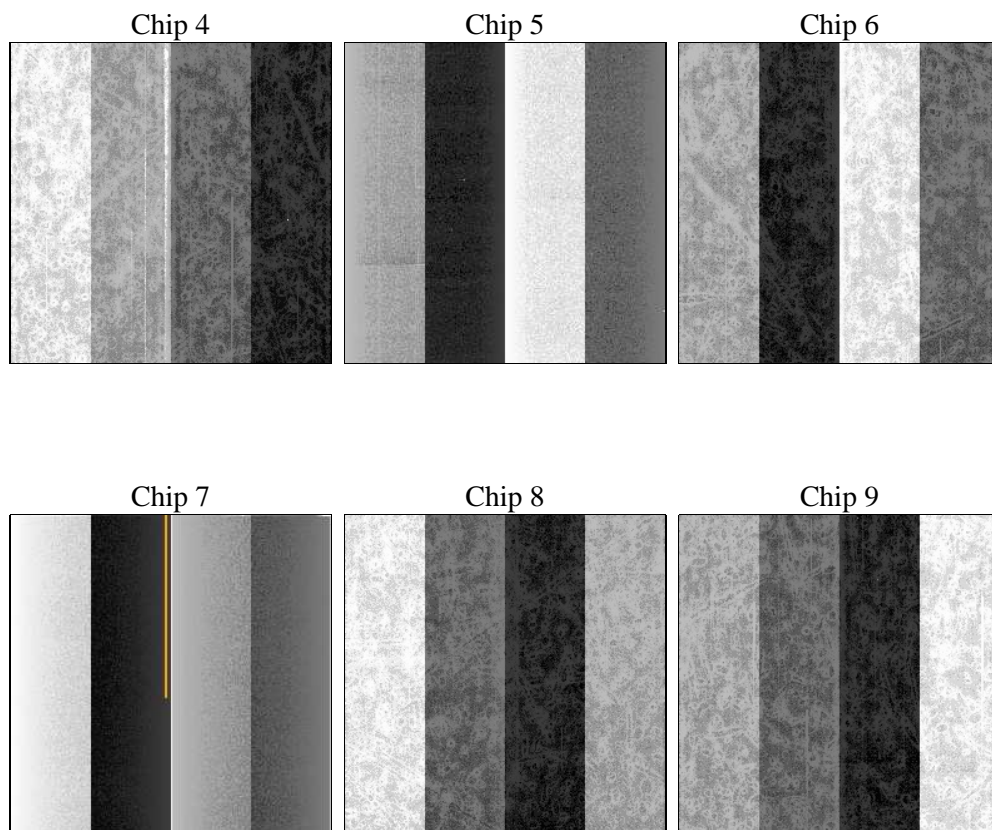
2 OBI

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	8.4.3.1	Processing system revision	ontime	8268.7999692559	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8268.7999692559	Sum of GTIs [s]
date	2012-04-14T19:15:58	Date and time of file creation	ontime5	8268.7999692559	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8268.7999692559	Sum of GTIs [s]
			ontime7	8268.7999692559	Sum of GTIs [s]
			ontime8	8268.7999692559	Sum of GTIs [s]
			ontime9	8268.7999692559	Sum of GTIs [s]
			l1events	1365925	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	219561	234704	222069	234582	239978	215031	grade 0 events	77887	31000	76212	37137	80980	74324
rejected events	84930	71331	79597	63092	84359	77573		35%	13%	34%	15%	33%	34%
rejected %	38%	30%	35%	26%	35%	36%	grade 1 events	747	335	519	194	549	578
								0%	0%	0%	0%	0%	0%
							grade 2 events	21237	58533	24833	37463	27922	24000
								9%	24%	11%	15%	11%	11%
							grade 3 events	9084	8402	9118	16752	10611	8954
								4%	3%	4%	7%	4%	4%
							grade 4 events	9049	8222	9185	16435	10693	8977
								4%	3%	4%	7%	4%	4%
							grade 5 events	4199	10366	4239	10618	5588	4754
								1%	4%	1%	4%	2%	2%
							grade 6 events	17419	57290	23185	63758	25459	21248
								7%	24%	10%	27%	10%	9%
							grade 7 events	79939	60556	74778	52225	78176	72196
								36%	25%	33%	22%	32%	33%

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	55.03002931675158
[deg] Pointing Dec	0	-1.000784680837386
[deg] Pointing Roll	0.0	325.7810714660654
[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)	281728462.497739	281728461.47274
Observation start date	2006-12-05T17:54:22	2006-12-05T17:54:21
[s] Observation end time (MET)	281751045.298806	281751044.27381
Observation end date	2006-12-06T00:10:45	2006-12-06T00:10:44
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2687999692559

A.2 Comments