

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61056 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 13 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

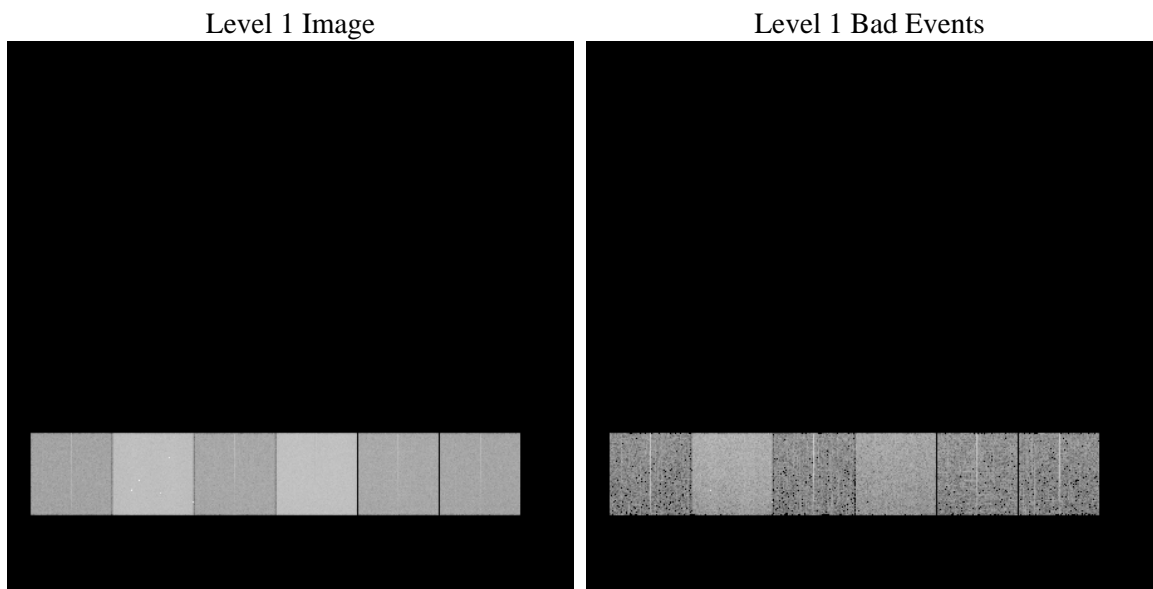
1 Front

seq_num	 	Sequence number
obs_id	61056	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	109.99356264604	Nominal RA [deg]
dec_nom	40.028172382378	Nominal Dec [deg]
roll_nom	67.133087630574	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8266.3426918089	Sum of GTIs [s]
livetime	8161.6692832513	Livetime [s]
ontime4	3010.3229469061	Sum of GTIs [s]
ontime5	8460.7999684811	Sum of GTIs [s]
ontime6	3282.5284390152	Sum of GTIs [s]
ontime7	8266.3426918089	Sum of GTIs [s]
ontime8	3373.3589011431	Sum of GTIs [s]
ontime9	3133.3176484704	Sum of GTIs [s]
l2events	1309048	Number of level 2 events

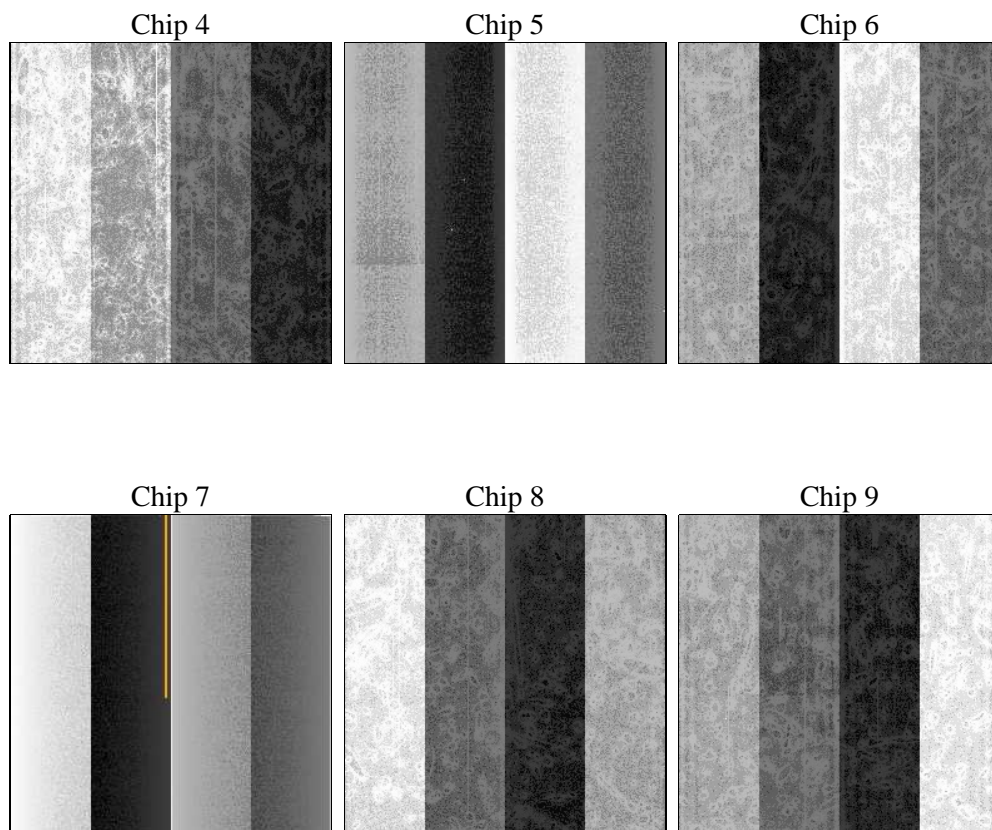
2 OBI

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	8.4.5	Processing system revision	ontime	8266.3426918089	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	3010.3229469061	Sum of GTIs [s]
date	2012-10-13T01:27:11	Date and time of file creation	ontime5	8460.7999684811	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3282.5284390152	Sum of GTIs [s]
			ontime7	8266.3426918089	Sum of GTIs [s]
			ontime8	3373.3589011431	Sum of GTIs [s]
			ontime9	3133.3176484704	Sum of GTIs [s]
			l1events	1556697	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	157879	413667	182483	442578	190822	169268	grade 0 events	80034	74499	87728	99933	92016	82174
rejected events	21847	57110	22681	41301	24778	21926		50%	18%	48%	22%	48%	48%
rejected %	13%	13%	12%	9%	12%	12%	grade 1 events	513	342	433	284	468	439
								0%	0%	0%	0%	0%	0%
							grade 2 events	20801	139338	27326	88418	28668	24798
								13%	33%	14%	19%	15%	14%
							grade 3 events	8999	19289	9700	40066	10486	9317
								5%	4%	5%	9%	5%	5%
							grade 4 events	9090	19283	9739	39802	10559	9379
								5%	4%	5%	8%	5%	5%
							grade 5 events	1434	10099	1578	8154	1855	1694
								0%	2%	0%	1%	0%	1%
							grade 6 events	17108	104148	25309	133058	24315	21674
								10%	25%	13%	30%	12%	12%
							grade 7 events	19900	46669	20670	32863	22455	19793
								12%	11%	11%	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	109.9935626460405	Alternating exposures requested	N	N
[deg] Pointing Dec	0	40.02817238237779	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	67.13308763057405			
[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)	146925700.391704	146925699.36698			
Observation start date	2002-08-28T12:41:40	2002-08-28T12:41:39			
[s] Observation end time (MET)	146948186.842632	146948185.81791			
Observation end date	2002-08-28T18:56:27	2002-08-28T18:56:25			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2663426918089

A.2 Comments