

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56003 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jul 4 2012

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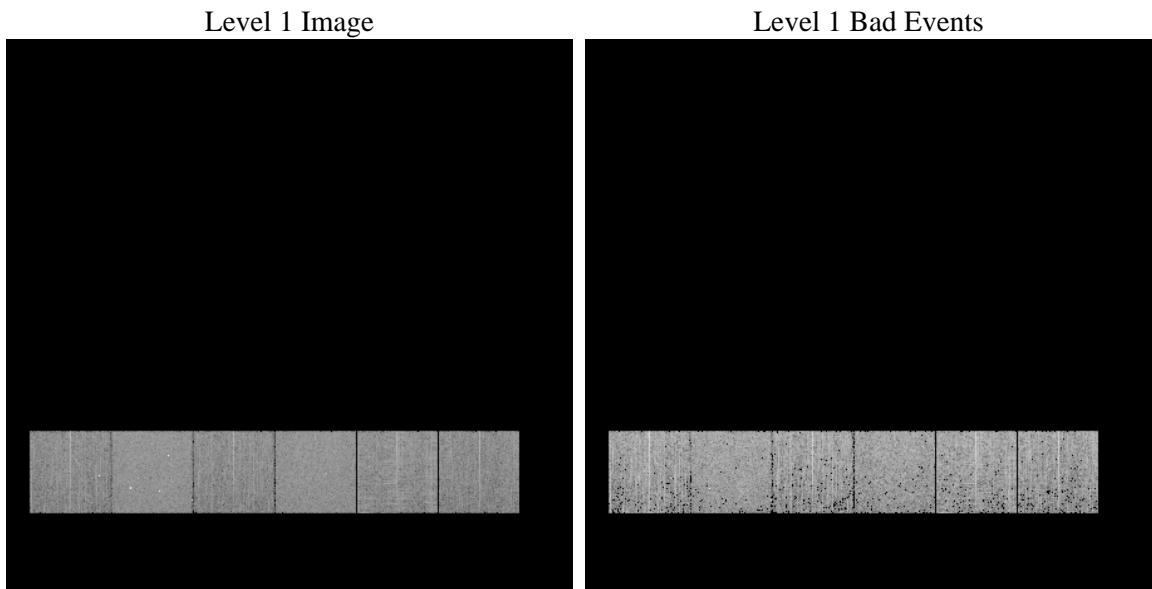
# 1 Front

seq_num	&#160	Sequence number
obs_id	56003	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
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	25.500241649939	Nominal RA [deg]
dec_nom	-16.960292354035	Nominal Dec [deg]
roll_nom	47.617141961599	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3279.9149786234	Sum of GTIs [s]
livetime	3238.3827202364	Livetime [s]
ontime4	3282.7312240601	Sum of GTIs [s]
ontime5	3279.9149786234	Sum of GTIs [s]
ontime6	3279.914968729	Sum of GTIs [s]
ontime7	3279.9149786234	Sum of GTIs [s]
ontime8	3282.6901840568	Sum of GTIs [s]
ontime9	3279.914968729	Sum of GTIs [s]
l2events	157863	Number of level 2 events

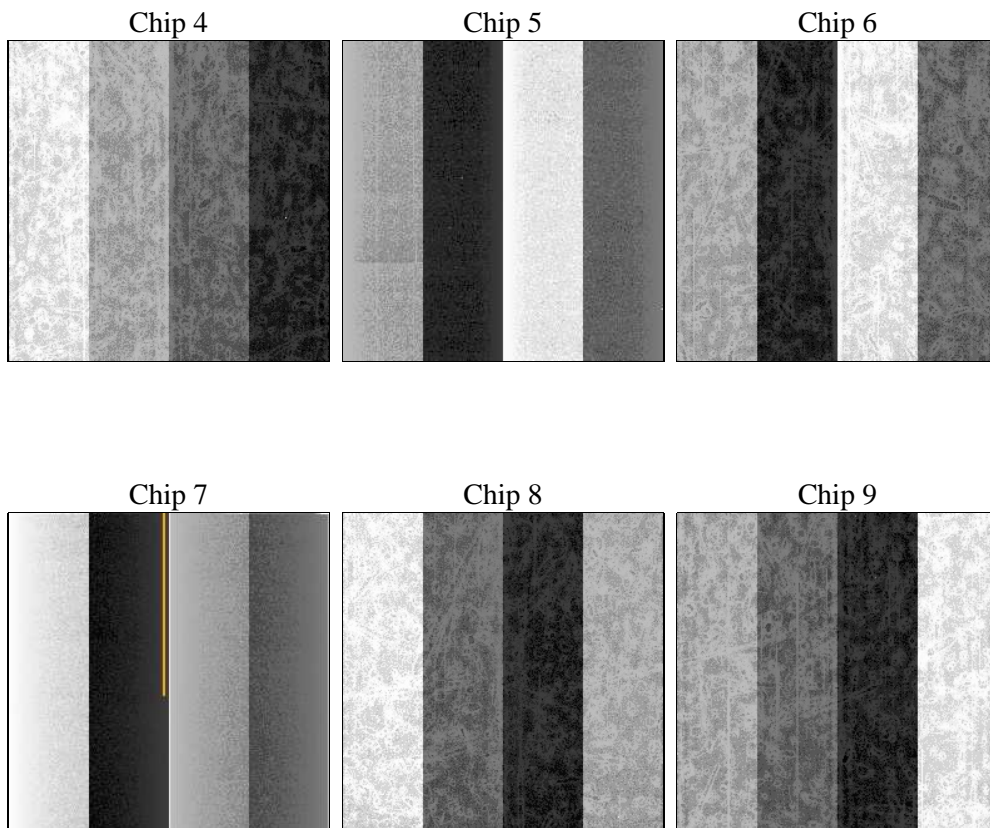
## 2 OBI

### 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	3279.9149786234	Sum of GTIs [s]
caldbver	4.5.0	&#160	ontime4	3282.7312240601	Sum of GTIs [s]
date	2012-07-04T04:39:51	Date and time of file creation	ontime5	3279.9149786234	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3279.914968729	Sum of GTIs [s]
			ontime7	3279.9149786234	Sum of GTIs [s]
			ontime8	3282.6901840568	Sum of GTIs [s]
			ontime9	3279.914968729	Sum of GTIs [s]
			l1events	336522	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	51499	65553	50913	61532	58176	48849	grade 0 events	13249	6331	12401	6442	13866	12276
rejected events	28254	26549	27060	25077	29365	25639		25%	9%	24%	10%	23%	25%
rejected %	54%	40%	53%	40%	50%	52%	grade 1 events	116	175	64	41	86	101
								0%	0%	0%	0%	0%	0%
							grade 2 events	3642	13575	4362	7844	5574	4150
								7%	20%	8%	12%	9%	8%
							grade 3 events	1640	1572	1552	3345	2116	1520
								3%	2%	3%	5%	3%	3%
							grade 4 events	1593	1652	1586	3237	2049	1624
								3%	2%	3%	5%	3%	3%
							grade 5 events	1516	3495	1653	3956	2101	1698
								2%	5%	3%	6%	3%	3%
							grade 6 events	3121	15874	3952	15587	5206	3640
								6%	24%	7%	25%	8%	7%
							grade 7 events	26622	22879	25343	21080	27178	23840
								51%	34%	49%	34%	46%	48%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	25.50024164993919	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-16.96029235403499	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	47.61714196159859	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	402130937.293038	402130936.26803			
Observation start date	2010-09-29T07:02:17	2010-09-29T07:02:16			
[s] Observation end time (MET)	402138632.993433	402138631.96843			
Observation end date	2010-09-29T09:10:33	2010-09-29T09:10:31			
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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2799149786234

### A.2 Comments