

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55655 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 4 2012

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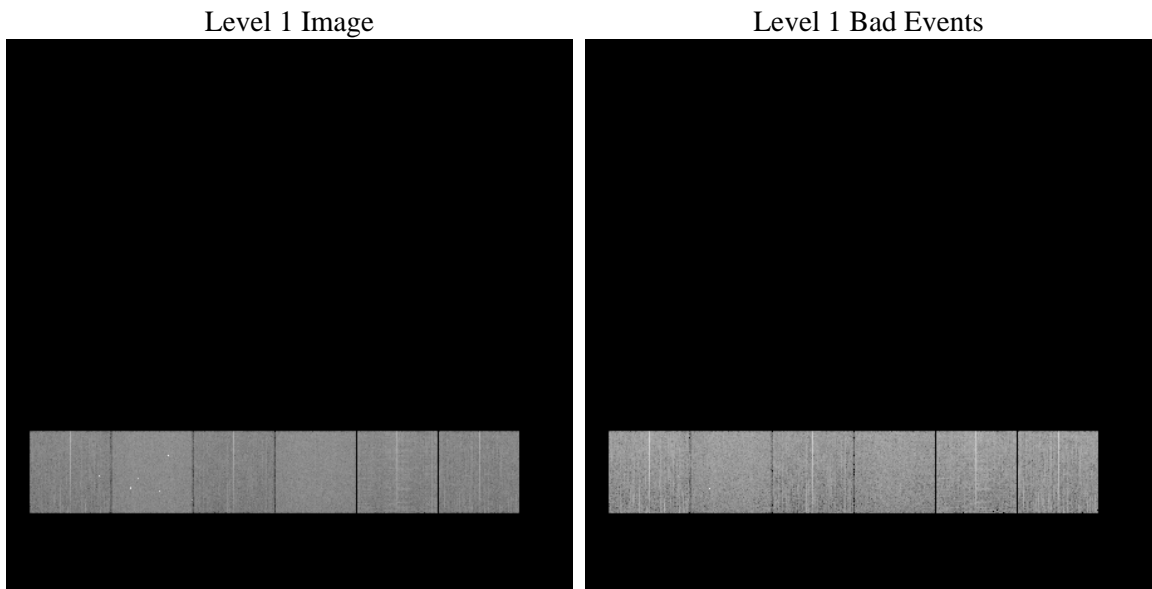
# 1 Front

seq_num	&#160	Sequence number
obs_id	55655	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	143.02525224476	Nominal RA [deg]
dec_nom	-9.9856899081486	Nominal Dec [deg]
roll_nom	357.12312047513	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7321.4873592257	Sum of GTIs [s]
livetime	7228.7782778128	Livetime [s]
ontime4	7323.6821918488	Sum of GTIs [s]
ontime5	7321.4873592257	Sum of GTIs [s]
ontime6	7321.4873592257	Sum of GTIs [s]
ontime7	7321.4873592257	Sum of GTIs [s]
ontime8	7323.6411518455	Sum of GTIs [s]
ontime9	7321.4873592257	Sum of GTIs [s]
l2events	330551	Number of level 2 events

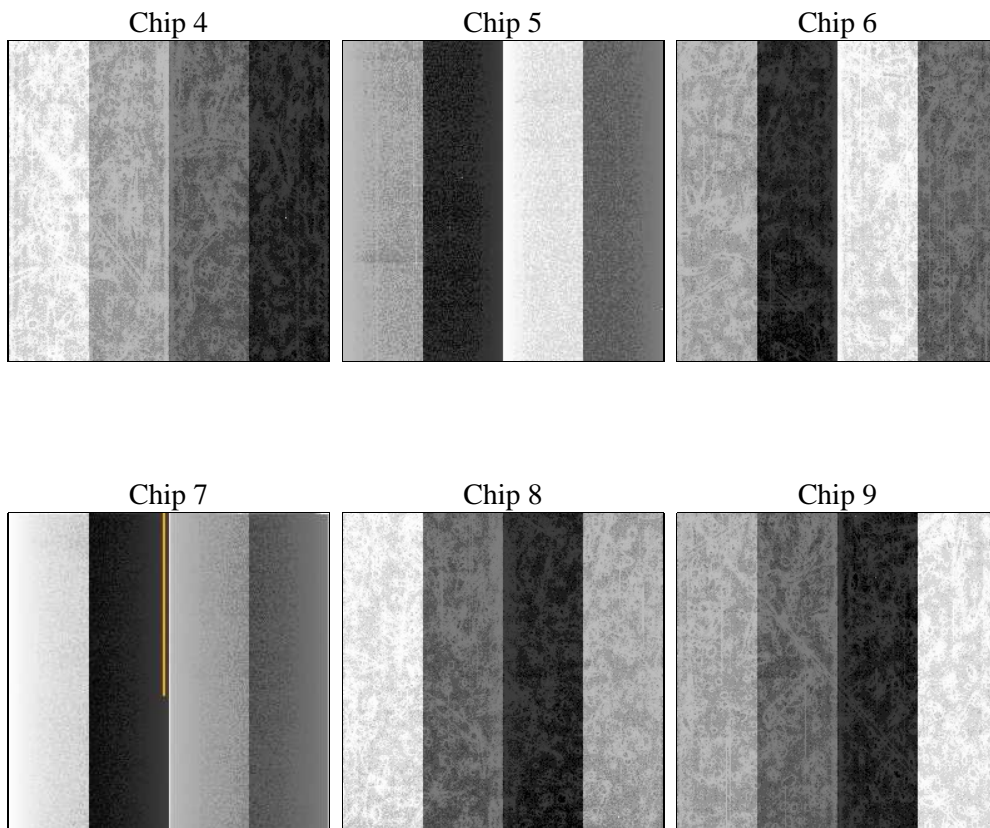
## 2 OBI

### 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	Processing system revision	ontime	7321.4873592257	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime4	7323.6821918488	Sum of GTIs [s]
date	2012-02-04T06:13:32	Date and time of file creation	ontime5	7321.4873592257	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7321.4873592257	Sum of GTIs [s]
			ontime7	7321.4873592257	Sum of GTIs [s]
			ontime8	7323.6411518455	Sum of GTIs [s]
			ontime9	7321.4873592257	Sum of GTIs [s]
			l1events	729325	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	110302	143592	104787	134592	125053	110999	grade 0 events	26852	12974	25387	13229	29177	25080
rejected events	62898	60048	55722	57323	64063	63147		24%	9%	24%	9%	23%	22%
rejected %	57%	41%	53%	42%	51%	56%	grade 1 events	267	152	150	112	193	172
								0%	0%	0%	0%	0%	0%
							grade 2 events	7572	29177	8981	16633	11724	8505
								6%	20%	8%	12%	9%	7%
							grade 3 events	3371	3406	3205	6961	4634	3277
								3%	2%	3%	5%	3%	2%
							grade 4 events	3329	3274	3269	6922	4393	3341
								3%	2%	3%	5%	3%	3%
							grade 5 events	3505	7926	3740	8992	4820	4003
								3%	5%	3%	6%	3%	3%
							grade 6 events	6280	34713	8223	33524	11062	7649
								5%	24%	7%	24%	8%	6%
							grade 7 events	59126	51970	51832	48219	59050	58972
								53%	36%	49%	35%	47%	53%

## 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	143.0252522447633	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-9.985689908148609	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	357.1231204751302	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	413785185.844051	413785184.81906			
Observation start date	2011-02-11T04:19:46	2011-02-11T04:19:44			
[s] Observation end time (MET)	413794406.744528	413794405.71953			
Observation end date	2011-02-11T06:53:27	2011-02-11T06:53:25			
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)	2012.02.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.3214873592257

### **A.2 Comments**