

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55482 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

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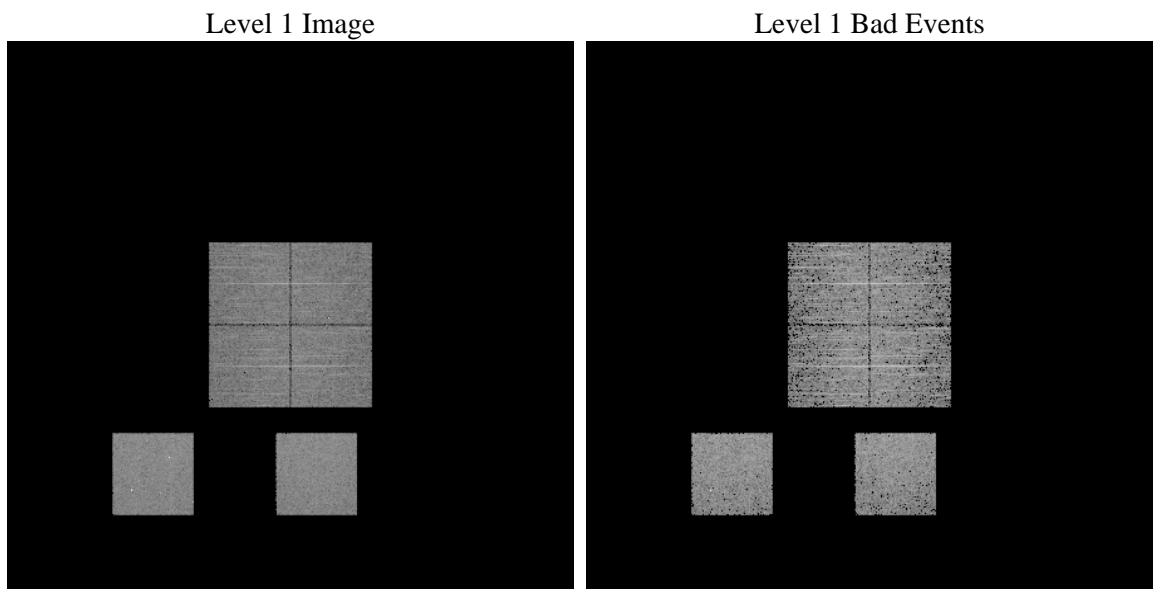
# 1 Front

seq_num	&#160	Sequence number
obs_id	55482	Observation id
title	ACIS-012357 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	175.99572631177	Nominal RA [deg]
dec_nom	34.970333613952	Nominal Dec [deg]
roll_nom	222.72815133605	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3285.8658226728	Sum of GTIs [s]
livetime	3244.2582111153	Livetime [s]
ontime0	3285.8247826695	Sum of GTIs [s]
ontime1	3285.7837426662	Sum of GTIs [s]
ontime2	3285.7427026629	Sum of GTIs [s]
ontime3	3285.9068626761	Sum of GTIs [s]
ontime5	3285.7016626596	Sum of GTIs [s]
ontime7	3285.8658226728	Sum of GTIs [s]
l2events	139022	Number of level 2 events

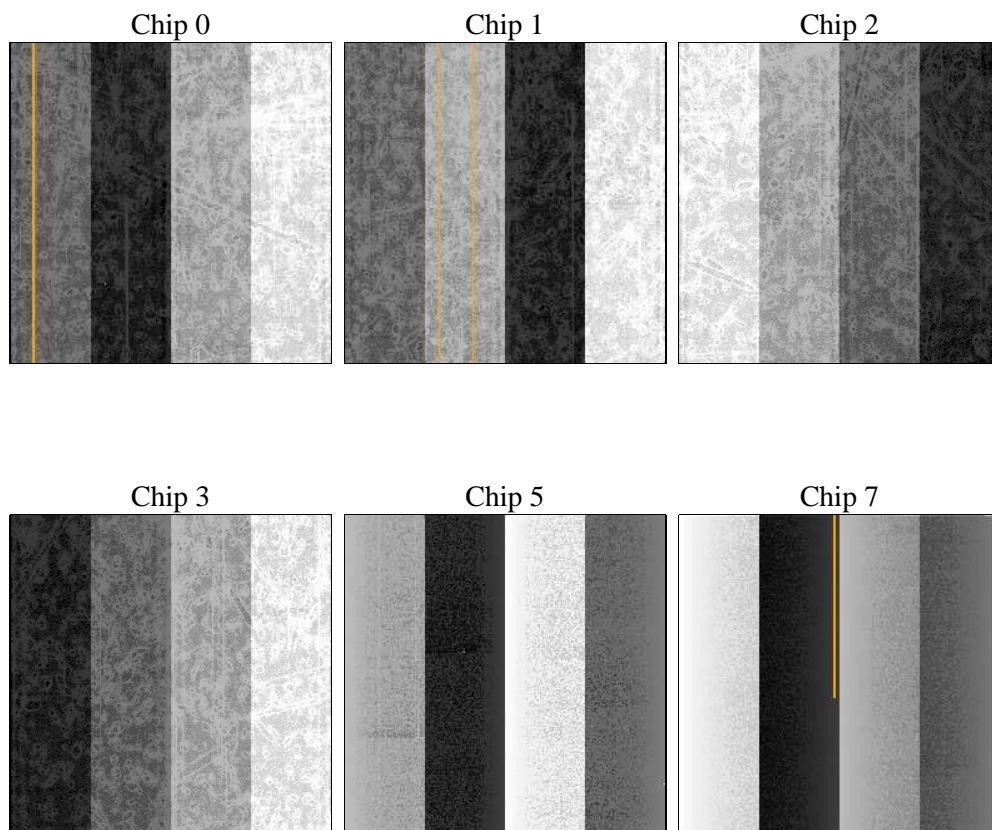
## 2 OBI

### 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	3285.8658226728	Sum of GTIs [s]
caldbver	4.4.7	&#160	ontime0	3285.8247826695	Sum of GTIs [s]
date	2012-02-09T00:18:40	Date and time of file creation	ontime1	3285.7837426662	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3285.7427026629	Sum of GTIs [s]
			ontime3	3285.9068626761	Sum of GTIs [s]
			ontime5	3285.7016626596	Sum of GTIs [s]
			ontime7	3285.8658226728	Sum of GTIs [s]
			l1events	284368	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	42262	41801	41902	43566	58389	56448	grade 0 events	10713	11316	10843	10789	5162	5675
rejected events	21889	20634	21789	23199	24620	24124		25%	27%	25%	24%	8%	10%
rejected %	51%	49%	51%	53%	42%	42%	grade 1 events	70	70	69	61	374	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	3712	3906	3520	3650	11552	6962
								8%	9%	8%	8%	19%	12%
							grade 3 events	1439	1380	1367	1471	1397	2904
								3%	3%	3%	3%	2%	5%
							grade 4 events	1386	1287	1452	1446	1336	2902
								3%	3%	3%	3%	2%	5%
							grade 5 events	1398	1431	1368	1488	3170	3807
								3%	3%	3%	3%	5%	6%
							grade 6 events	3123	3278	2931	3011	14322	13881
								7%	7%	6%	6%	24%	24%
							grade 7 events	20421	19133	20352	21650	21076	20273
								48%	45%	48%	49%	36%	35%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	175.995726311768	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	34.97033361395219	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	222.7281513360522	[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)	420153244.674031	420153243.64903			
Observation start date	2011-04-25T21:14:05	2011-04-25T21:14:03			
[s] Observation end time (MET)	420160552.924411	420160551.89941			
Observation end date	2011-04-25T23:15:53	2011-04-25T23:15:51			
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)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2858658226728

### **A.2 Comments**