

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60561 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 3 2012

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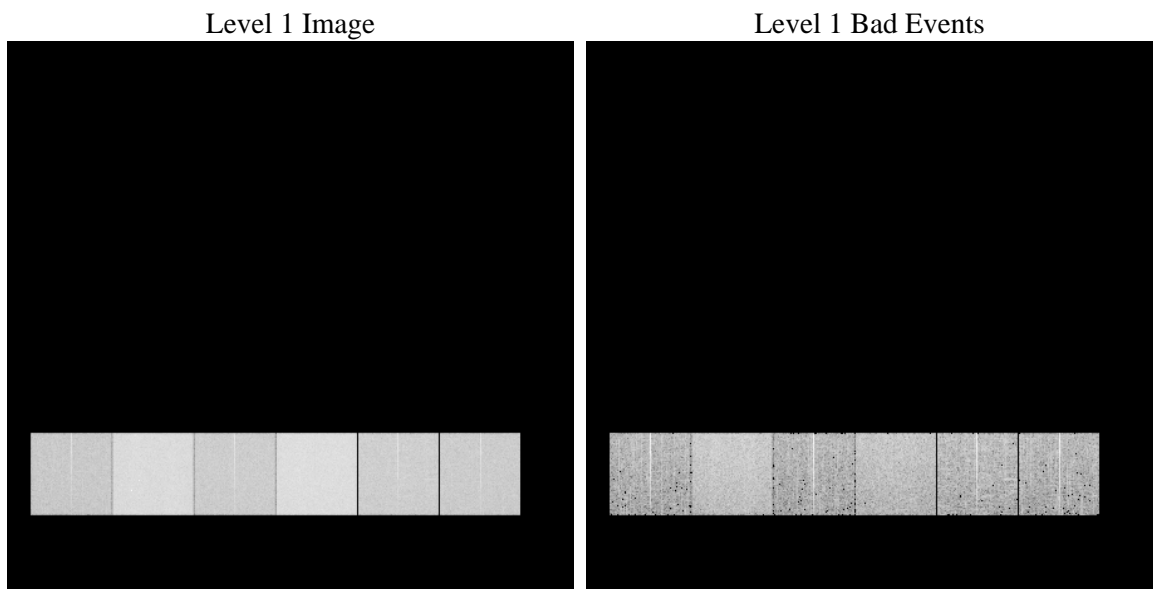
# 1 Front

seq_num	&#160	Sequence number
obs_id	60561	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	328.05043176156	Nominal RA [deg]
dec_nom	-55.99515016168	Nominal Dec [deg]
roll_nom	336.92851458881	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8460.6305686831	Sum of GTIs [s]
livetime	8353.4969700424	Livetime [s]
ontime4	4318.535158664	Sum of GTIs [s]
ontime5	8460.5895286798	Sum of GTIs [s]
ontime6	4717.2194674611	Sum of GTIs [s]
ontime7	8460.6305686831	Sum of GTIs [s]
ontime8	4832.3685289025	Sum of GTIs [s]
ontime9	4636.3179510832	Sum of GTIs [s]
l2events	1238938	Number of level 2 events

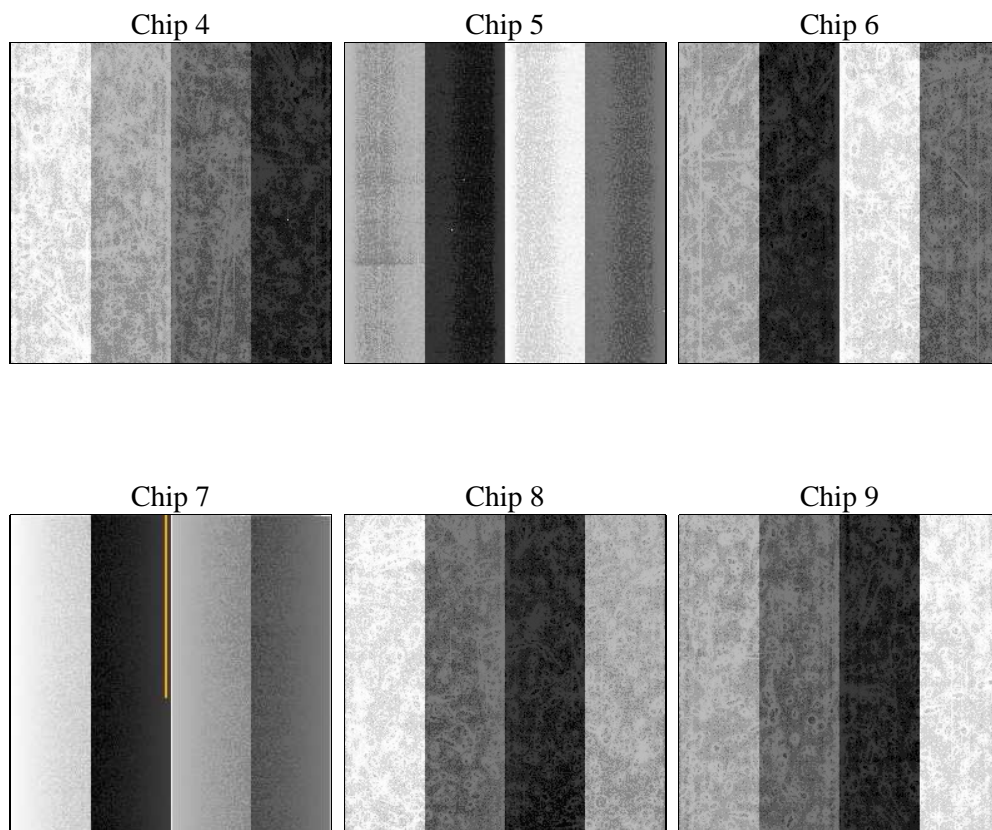
## 2 OBI

### 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	8460.6305686831	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	4318.535158664	Sum of GTIs [s]
date	2012-11-03T22:31:37	Date and time of file creation	ontime5	8460.5895286798	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4717.2194674611	Sum of GTIs [s]
			ontime7	8460.6305686831	Sum of GTIs [s]
			ontime8	4832.3685289025	Sum of GTIs [s]
			ontime9	4636.3179510832	Sum of GTIs [s]
			l1events	1536743	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	184597	341477	211731	371746	223734	203458	grade 0 events	89482	57352	98367	80625	102608	94610
rejected events	32367	56893	31939	45313	37327	32828		48%	16%	46%	21%	45%	46%
rejected %	17%	16%	15%	12%	16%	16%	grade 1 events	644	238	476	239	513	557
								0%	0%	0%	0%	0%	0%
							grade 2 events	23484	110906	30998	71782	32232	28975
								12%	32%	14%	19%	14%	14%
							grade 3 events	10254	15776	11061	32821	12034	10939
								5%	4%	5%	8%	5%	5%
							grade 4 events	10061	15067	10912	32072	12028	10740
								5%	4%	5%	8%	5%	5%
							grade 5 events	1985	9219	2191	8420	2655	2377
								1%	2%	1%	2%	1%	1%
							grade 6 events	19062	85594	28567	109257	27505	25366
								10%	25%	13%	29%	12%	12%
							grade 7 events	29625	47325	29159	36530	34159	29894
								16%	13%	13%	9%	15%	14%

## 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	328.0504317615637	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-55.99515016168026	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	336.9285145888076			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	179374163.656432	179374162.63173			
Observation start date	2003-09-08T02:09:24	2003-09-08T02:09:22			
[s] Observation end time (MET)	179396816.157402	179396815.1327			
Observation end date	2003-09-08T08:26:56	2003-09-08T08:26:55			
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)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4606305686831

### **A.2 Comments**