

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58830 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 7 2012

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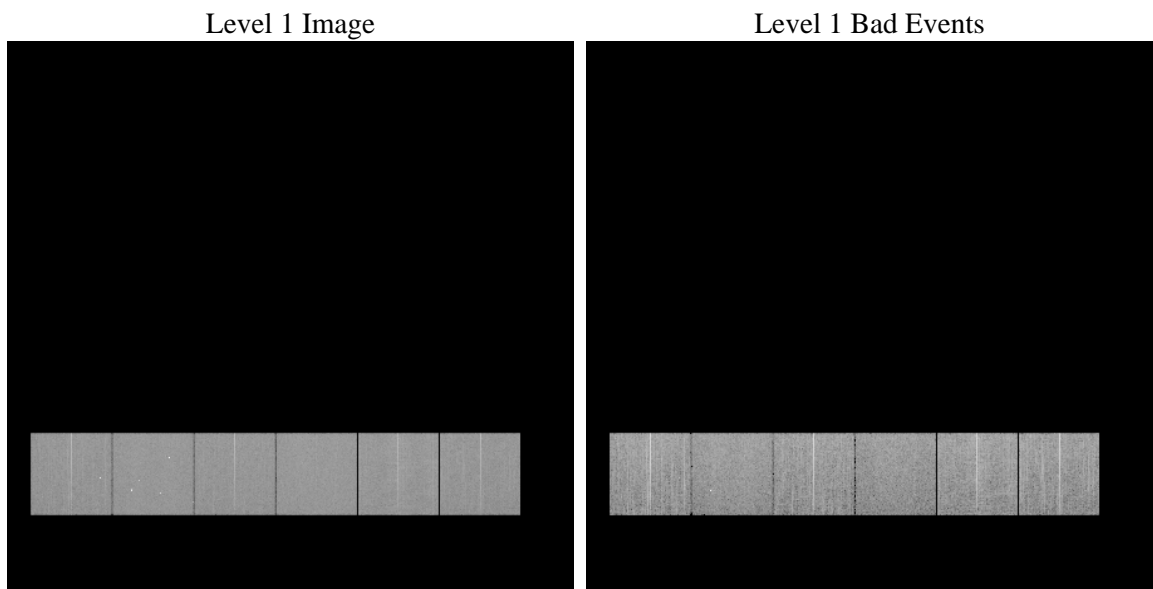
# 1 Front

seq_num	&#160	Sequence number
obs_id	58830	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	343.97096471489	Nominal RA [deg]
dec_nom	-37.081241141912	Nominal Dec [deg]
roll_nom	45.388449089888	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7791.8584922552	Sum of GTIs [s]
livetime	7693.1932883324	Livetime [s]
ontime4	7791.7353722453	Sum of GTIs [s]
ontime5	7791.8174522519	Sum of GTIs [s]
ontime6	7791.7764122486	Sum of GTIs [s]
ontime7	7791.8584922552	Sum of GTIs [s]
ontime8	7791.694332242	Sum of GTIs [s]
ontime9	7791.8995322585	Sum of GTIs [s]
l2events	849759	Number of level 2 events

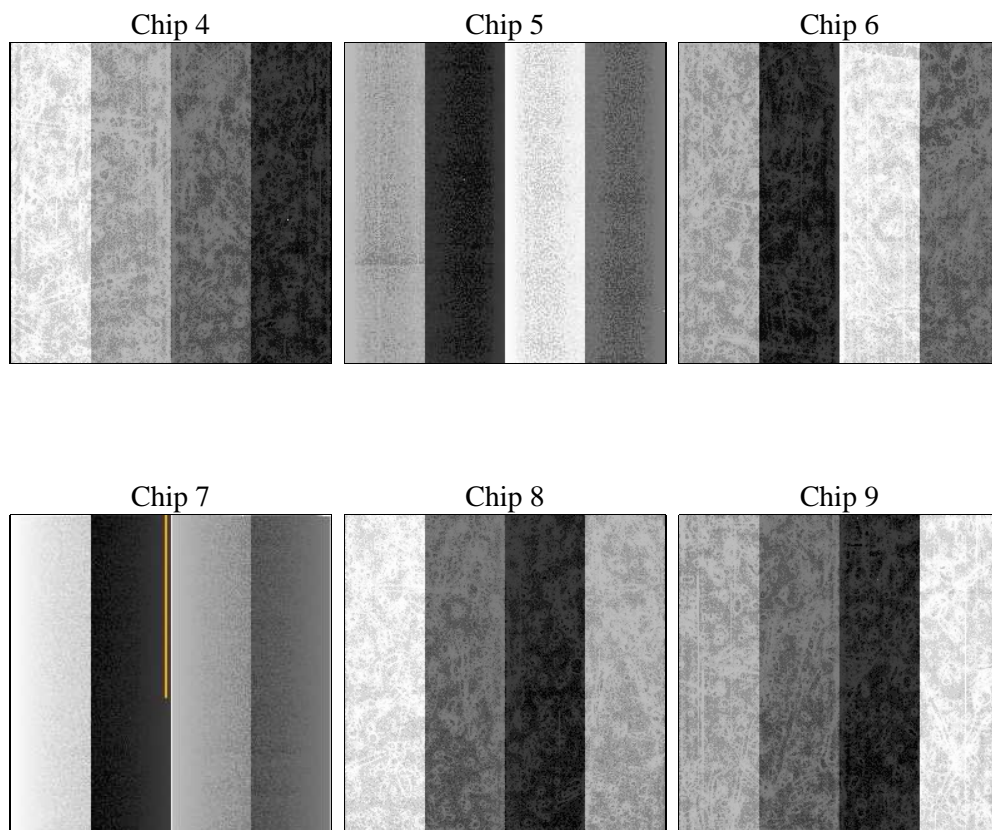
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	7791.8584922552	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime4	7791.7353722453	Sum of GTIs [s]
date	2012-04-07T11:38:49	Date and time of file creation	ontime5	7791.8174522519	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7791.7764122486	Sum of GTIs [s]
			ontime7	7791.8584922552	Sum of GTIs [s]
			ontime8	7791.694332242	Sum of GTIs [s]
			ontime9	7791.8995322585	Sum of GTIs [s]
			l1events	1327470	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	212942	225982	216376	229046	231767	211357	grade 0 events	79746	32324	78947	38145	82499	76738
rejected events	74731	64093	69207	57806	74416	70222		37%	14%	36%	16%	35%	36%
rejected %	35%	28%	31%	25%	32%	33%	grade 1 events	738	219	500	180	493	589
								0%	0%	0%	0%	0%	0%
							grade 2 events	21771	58041	25694	37249	28340	24253
								10%	25%	11%	16%	12%	11%
							grade 3 events	9342	8718	9270	16726	10837	9331
								4%	3%	4%	7%	4%	4%
							grade 4 events	9473	8649	9371	16526	10567	9256
								4%	3%	4%	7%	4%	4%
							grade 5 events	3913	9277	4162	9911	4950	4452
								1%	4%	1%	4%	2%	2%
							grade 6 events	17923	54222	23951	62678	25177	21617
								8%	23%	11%	27%	10%	10%
							grade 7 events	70036	54532	64481	47631	68904	65121
								32%	24%	29%	20%	29%	30%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	343.9709647148914
[deg] Pointing Dec	0	-37.08124114191202
[deg] Pointing Roll	0.0	45.38844908988801
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	271860830.082845	271860829.05784
Observation start date	2006-08-13T12:53:50	2006-08-13T12:53:49
[s] Observation end time (MET)	271870866.883316	271870865.85831
Observation end date	2006-08-13T15:41:07	2006-08-13T15:41:05
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7918584922552

### **A.2 Comments**