

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58714 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 12 2012

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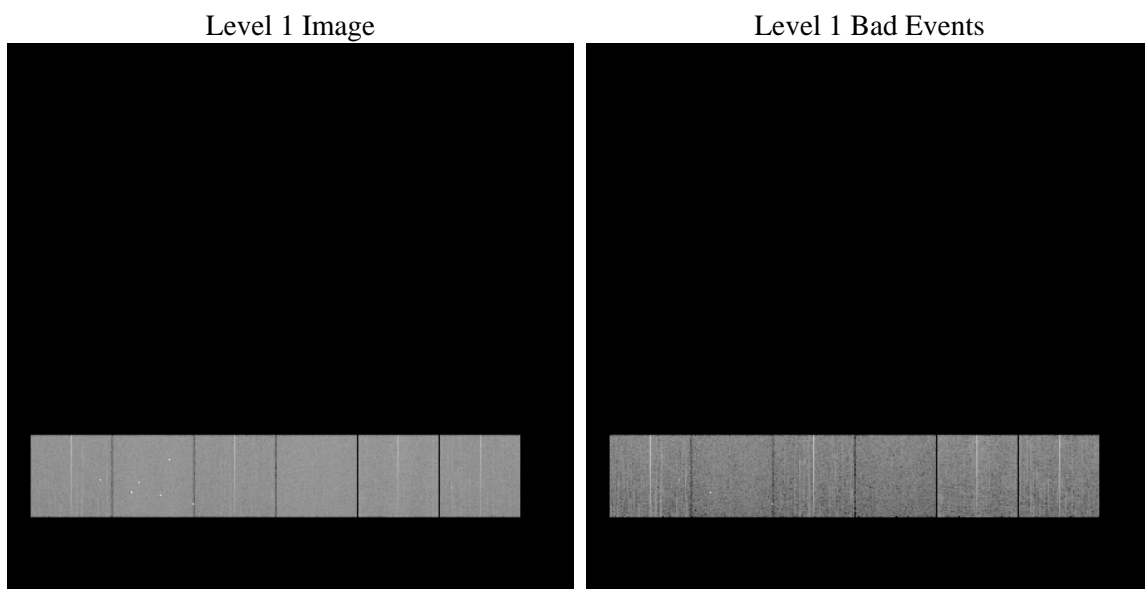
# 1 Front

seq_num	&#160	Sequence number
obs_id	58714	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	64.968067354054	Nominal RA [deg]
dec_nom	35.008905091174	Nominal Dec [deg]
roll_nom	123.70655157535	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7251.1999730468	Sum of GTIs [s]
livetime	7159.3809128396	Livetime [s]
ontime4	7251.1999730468	Sum of GTIs [s]
ontime5	7251.1999730468	Sum of GTIs [s]
ontime6	7251.1999730468	Sum of GTIs [s]
ontime7	7251.1999730468	Sum of GTIs [s]
ontime8	7251.1999730468	Sum of GTIs [s]
ontime9	7251.1999730468	Sum of GTIs [s]
l2events	744700	Number of level 2 events

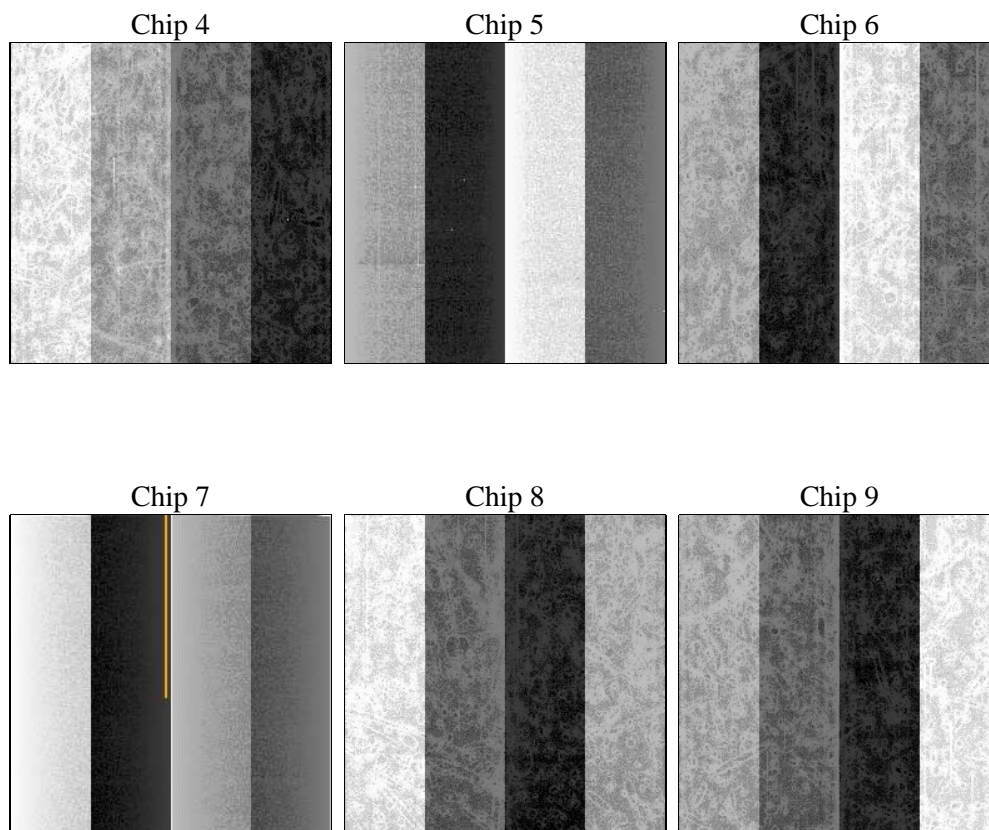
## 2 OBI

### 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	7251.1999730468	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7251.1999730468	Sum of GTIs [s]
date	2012-04-13T01:33:45	Date and time of file creation	ontime5	7251.1999730468	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7251.1999730468	Sum of GTIs [s]
			ontime7	7251.1999730468	Sum of GTIs [s]
			ontime8	7251.1999730468	Sum of GTIs [s]
			ontime9	7251.1999730468	Sum of GTIs [s]
			l1events	1195237	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	191279	209117	191471	205842	207433	190095	grade 0 events	69889	28924	68433	32971	71656	67343
rejected events	71342	62251	63853	54434	70484	66676		36%	13%	35%	16%	34%	35%
rejected %	37%	29%	33%	26%	33%	35%	grade 1 events	697	271	417	149	475	501
								0%	0%	0%	0%	0%	0%
							grade 2 events	18508	52659	22357	32914	24608	21023
								9%	25%	11%	15%	11%	11%
							grade 3 events	8098	7238	8055	14593	9483	8093
								4%	3%	4%	7%	4%	4%
							grade 4 events	8069	7004	8028	14769	9356	8039
								4%	3%	4%	7%	4%	4%
							grade 5 events	3679	9236	3653	9262	4657	4160
								1%	4%	1%	4%	2%	2%
							grade 6 events	15373	51041	20745	56161	21901	18921
								8%	24%	10%	27%	10%	9%
							grade 7 events	66966	52744	59783	45023	65297	62015
								35%	25%	31%	21%	31%	32%

## 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	64.96806735405418
[deg] Pointing Dec	0	35.00890509117361
[deg] Pointing Roll	0.0	123.7065515753548
[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)	278985117.518159	278985116.49316
Observation start date	2006-11-03T23:51:58	2006-11-03T23:51:56
[s] Observation end time (MET)	279006999.219192	279006998.1942
Observation end date	2006-11-04T05:56:39	2006-11-04T05:56:38
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.2511999730468

### A.2 Comments