

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61603 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 17 2012

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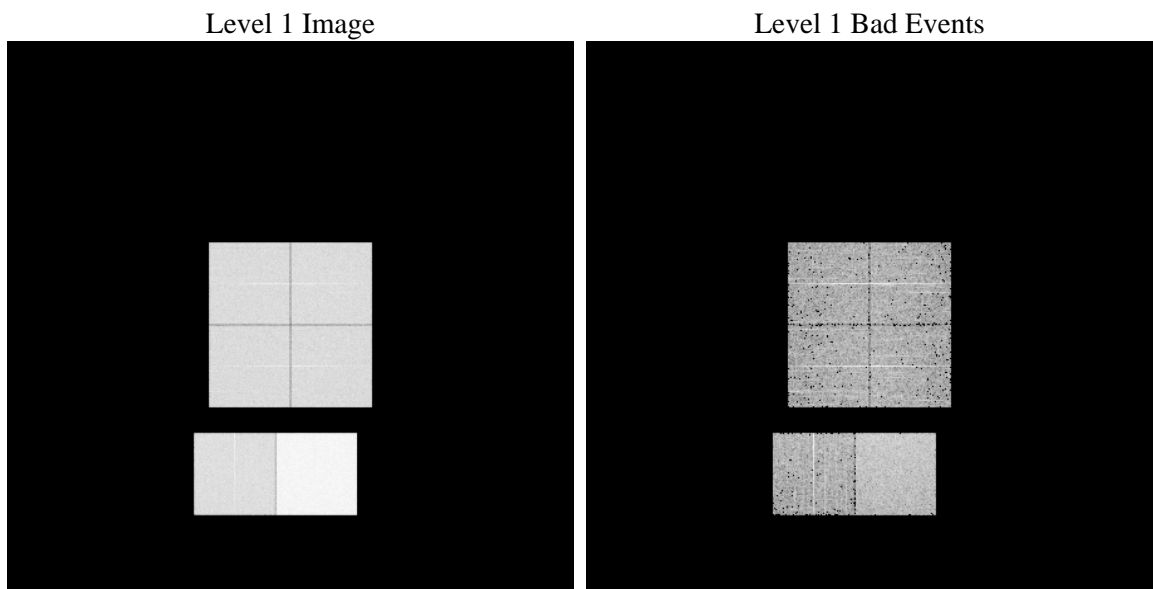
# 1 Front

seq_num	&#160	Sequence number
obs_id	61603	Observation id
title	ACIS-012367 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	190.00951307115	Nominal RA [deg]
dec_nom	-19.027224160081	Nominal Dec [deg]
roll_nom	255.54941545615	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7073.7871476859	Sum of GTIs [s]
livetime	6984.2145954986	Livetime [s]
ontime0	2831.3382201493	Sum of GTIs [s]
ontime1	2899.1758529842	Sum of GTIs [s]
ontime2	2733.9242421836	Sum of GTIs [s]
ontime3	2762.9297009706	Sum of GTIs [s]
ontime6	3025.657665506	Sum of GTIs [s]
ontime7	7073.7871476859	Sum of GTIs [s]
l2events	1331810	Number of level 2 events

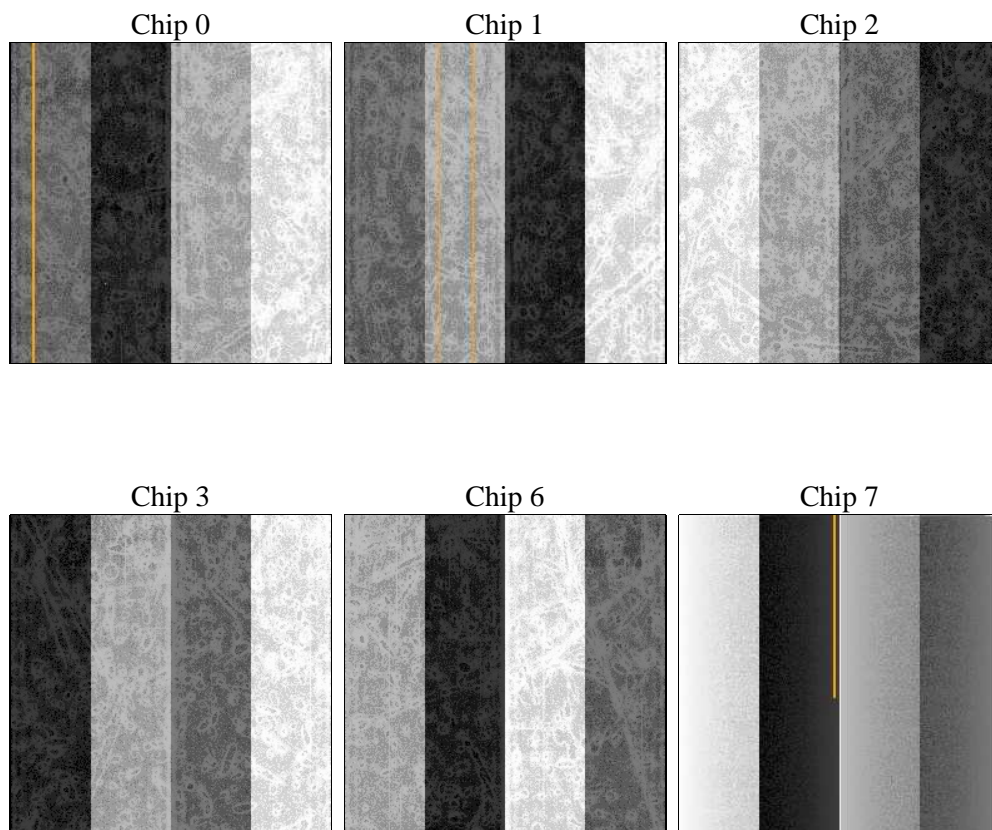
## 2 OBI

### 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	7073.7871476859	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	2831.3382201493	Sum of GTIs [s]
date	2012-09-17T07:20:09	Date and time of file creation	ontime1	2899.1758529842	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2733.9242421836	Sum of GTIs [s]
			ontime3	2762.9297009706	Sum of GTIs [s]
			ontime6	3025.657665506	Sum of GTIs [s]
			ontime7	7073.7871476859	Sum of GTIs [s]
			l1events	1548546	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	202606	208165	200267	201944	226553	509011	grade 0 events	100439	102892	99254	100418	111230	120447
rejected events	22582	22979	23575	24284	25450	42340		49%	49%	49%	49%	49%	23%
rejected %	11%	11%	11%	12%	11%	8%	grade 1 events	501	530	471	557	553	294
								0%	0%	0%	0%	0%	0%
							grade 2 events	32108	33121	31325	31392	35068	103983
								15%	15%	15%	15%	15%	20%
							grade 3 events	11554	11786	11394	11436	12398	47935
								5%	5%	5%	5%	5%	9%
							grade 4 events	11487	11930	11299	11500	12442	47446
								5%	5%	5%	5%	5%	9%
							grade 5 events	1649	1619	1517	1606	1775	7893
								0%	0%	0%	0%	0%	1%
							grade 6 events	26345	27129	25101	25079	31998	151726
								13%	13%	12%	12%	14%	29%
							grade 7 events	18523	19158	19906	19956	21089	29287
								9%	9%	9%	9%	9%	5%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	190.0095130711516
[deg] Pointing Dec	0	-19.02722416008063
[deg] Pointing Roll	0.0	255.5494154561506
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	107860156.466248	107860155.69776
Observation start date	2001-06-02T09:09:16	2001-06-02T09:09:15
[s] Observation end time (MET)	107881466.217079	107881465.44859
Observation end date	2001-06-02T15:04:26	2001-06-02T15:04:25
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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.0737871476859

### A.2 Comments