

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 54046 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jan 6 2013

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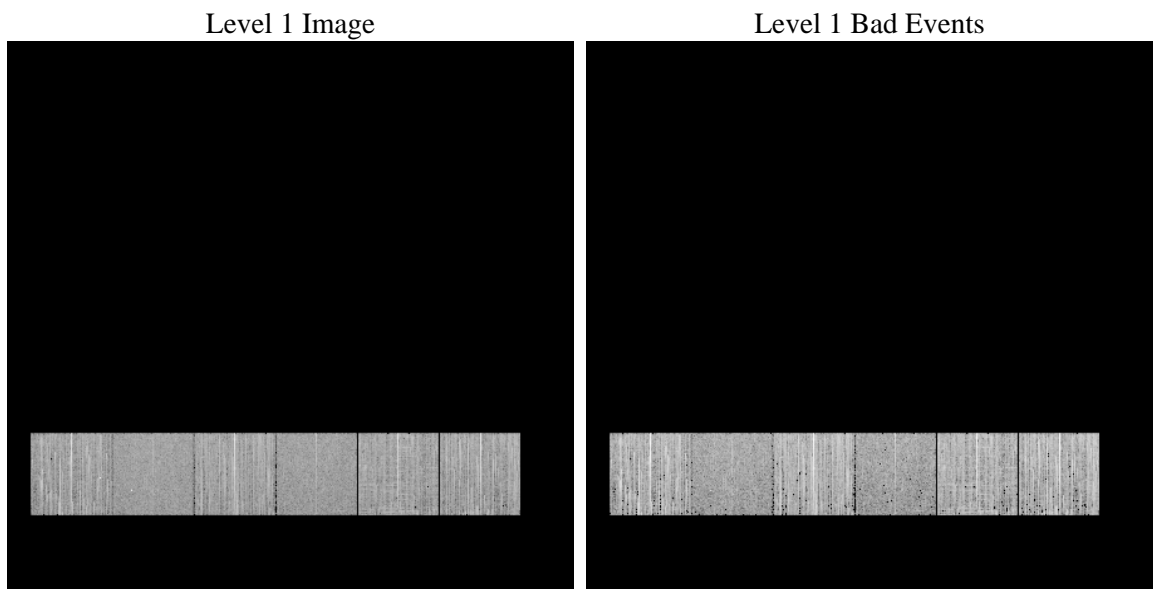
# 1 Front

seq_num	&#160	Sequence number
obs_id	54046	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	118.9977025424	Nominal RA [deg]
dec_nom	-1.5815755520315	Nominal Dec [deg]
roll_nom	138.19640413553	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3557.2309886813	Sum of GTIs [s]
livetime	3512.1871879953	Livetime [s]
ontime4	3557.1078686714	Sum of GTIs [s]
ontime5	3557.189948678	Sum of GTIs [s]
ontime6	3557.1489086747	Sum of GTIs [s]
ontime7	3557.2309886813	Sum of GTIs [s]
ontime8	3557.0668286681	Sum of GTIs [s]
ontime9	3557.2720286846	Sum of GTIs [s]
l2events	110916	Number of level 2 events

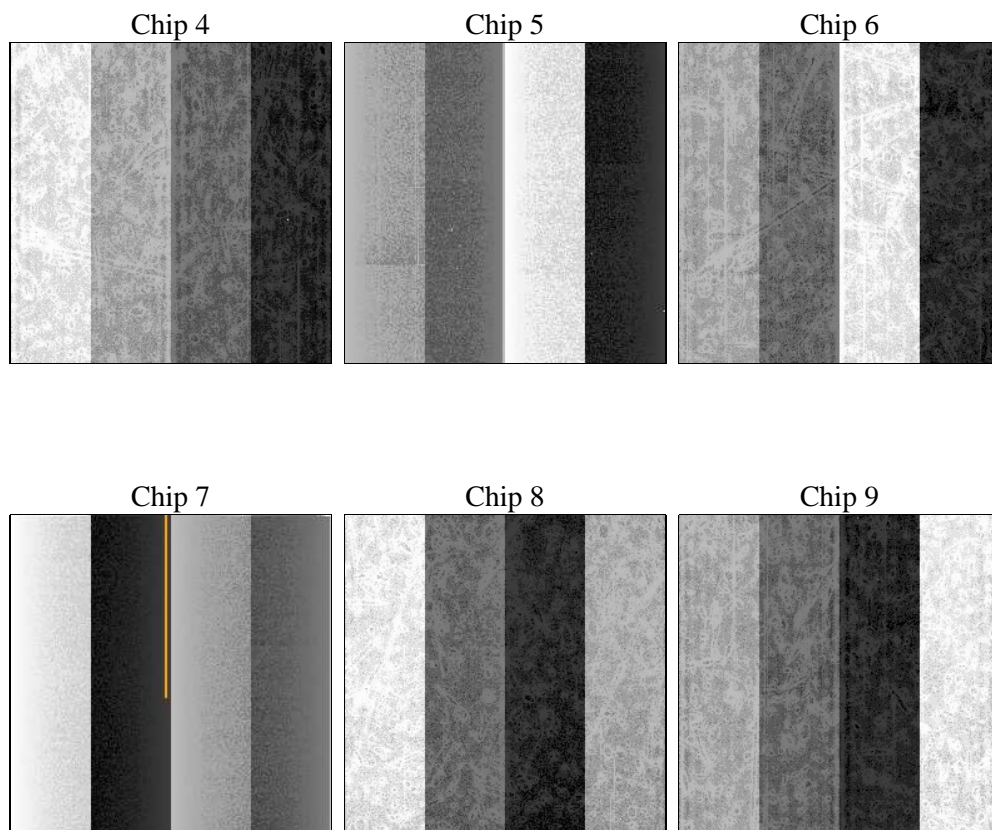
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	3557.2309886813	Sum of GTIs [s]
caldbver	4.5.5	&#160	ontime4	3557.1078686714	Sum of GTIs [s]
date	2013-01-07T03:32:50	Date and time of file creation	ontime5	3557.189948678	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3557.1489086747	Sum of GTIs [s]
			ontime7	3557.2309886813	Sum of GTIs [s]
			ontime8	3557.0668286681	Sum of GTIs [s]
			ontime9	3557.2720286846	Sum of GTIs [s]
			l1events	437959	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	76718	63410	78850	60375	76715	81891	grade 0 events	8631	2665	7884	4026	9267	8117
rejected events	61230	35325	63190	33457	56765	66397		11%	4%	9%	6%	12%	9%
rejected %	79%	55%	80%	55%	73%	81%	grade 1 events	72	67	29	39	51	56
								0%	0%	0%	0%	0%	0%
							grade 2 events	2951	10873	3379	6716	4116	3091
								3%	17%	4%	11%	5%	3%
							grade 3 events	1087	1128	1058	2199	1529	1128
								1%	1%	1%	3%	1%	1%
							grade 4 events	1085	995	1036	2302	1489	1094
								1%	1%	1%	3%	1%	1%
							grade 5 events	1465	2759	1476	3539	1900	1605
								1%	4%	1%	5%	2%	1%
							grade 6 events	2175	13294	2793	12522	4133	2520
								2%	20%	3%	20%	5%	3%
							grade 7 events	59252	31629	61195	29032	54230	64280
								77%	49%	77%	48%	70%	78%

## 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	118.9977025423975
[deg] Pointing Dec	0	-1.581575552031543
[deg] Pointing Roll	0.0	138.1964041355277
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	473877011.655216	473877011.655216
Observation start date	2013-01-06T16:30:12	2013-01-06T16:30:11
[s] Observation end time (MET)	473882216.064477	473882216.064477
Observation end date	2013-01-06T17:56:56	2013-01-06T17:56:56
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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)	2013.01.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.5572309886813

### A.2 Comments