

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54160 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 17 2012

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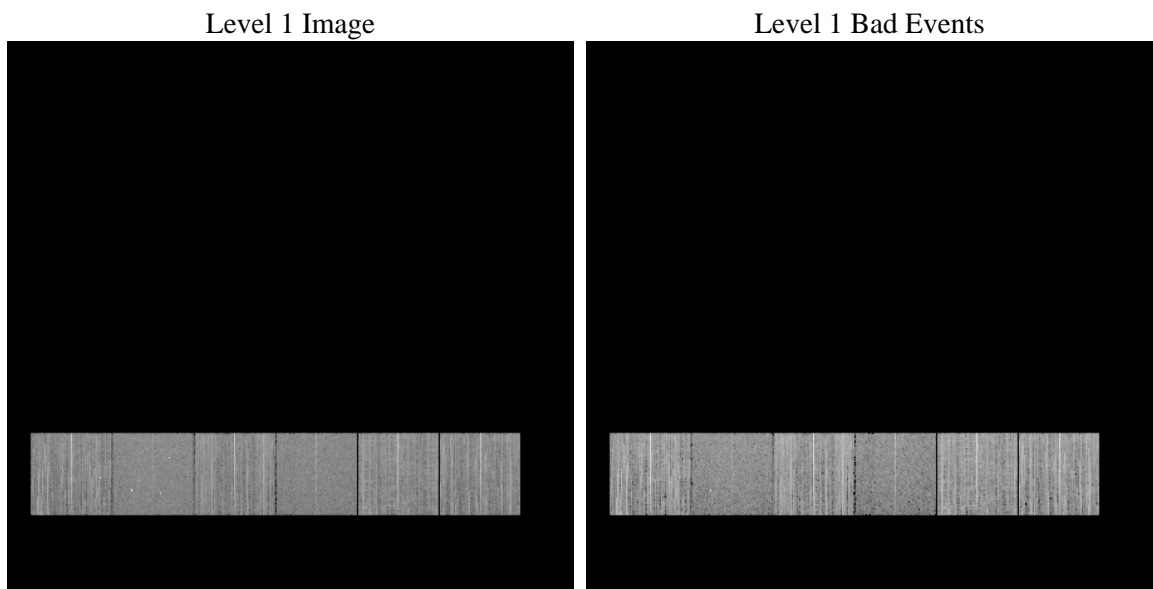
1 Front

seq_num	 	Sequence number
obs_id	54160	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
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	70.980253323371	Nominal RA [deg]
dec_nom	22.022376508858	Nominal Dec [deg]
roll_nom	96.556401092111	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5766.0859463811	Sum of GTIs [s]
livetime	5693.0722942079	Livetime [s]
ontime4	5762.7218660116	Sum of GTIs [s]
ontime5	5766.0449063778	Sum of GTIs [s]
ontime6	5766.0038663745	Sum of GTIs [s]
ontime7	5766.0859463811	Sum of GTIs [s]
ontime8	5765.9217863679	Sum of GTIs [s]
ontime9	5766.1269863844	Sum of GTIs [s]
l2events	192629	Number of level 2 events

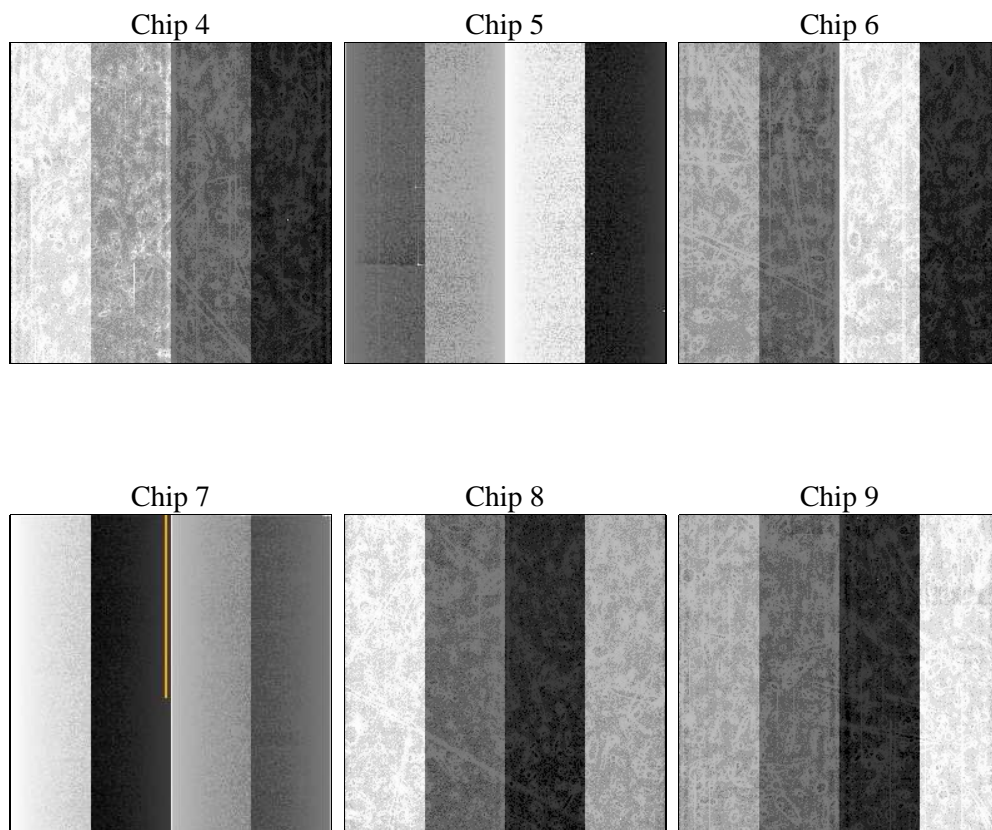
2 OBI

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	5766.0859463811	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	5762.7218660116	Sum of GTIs [s]
date	2012-11-17T18:29:01	Date and time of file creation	ontime5	5766.0449063778	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5766.0038663745	Sum of GTIs [s]
			ontime7	5766.0859463811	Sum of GTIs [s]
			ontime8	5765.9217863679	Sum of GTIs [s]
			ontime9	5766.1269863844	Sum of GTIs [s]
			l1events	684556	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	117311	105164	120054	96001	125205	120821	grade 0 events	16002	7209	14024	7257	15877	13952
rejected events	89535	54571	92316	49814	90883	93815		13%	6%	11%	7%	12%	11%
rejected %	76%	51%	76%	51%	72%	77%	grade 1 events	126	153	82	71	87	94
								0%	0%	0%	0%	0%	0%
							grade 2 events	5051	18737	5584	11505	7044	5252
								4%	17%	4%	11%	5%	4%
							grade 3 events	1865	1898	1922	3963	2690	1872
								1%	1%	1%	4%	2%	1%
							grade 4 events	1773	1894	1761	3910	2547	1811
								1%	1%	1%	4%	2%	1%
							grade 5 events	2277	4993	2336	5711	3059	2652
								1%	4%	1%	5%	2%	2%
							grade 6 events	3548	21496	4924	20152	6670	4587
								3%	20%	4%	20%	5%	3%
							grade 7 events	86669	48784	89421	43432	87231	90601
								73%	46%	74%	45%	69%	74%

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	70.98025332337146
[deg] Pointing Dec	0	22.02237650885845
[deg] Pointing Roll	0.0	96.55640109211139
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)	469506474.969964	469506474.969964
Observation start date	2012-11-17T02:27:55	2012-11-17T02:27:54
[s] Observation end time (MET)	469513564.992945	469513564.992945
Observation end date	2012-11-17T04:26:05	2012-11-17T04:26:04
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.11.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.7660859463811

A.2 Comments