

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 55807 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 8 2012

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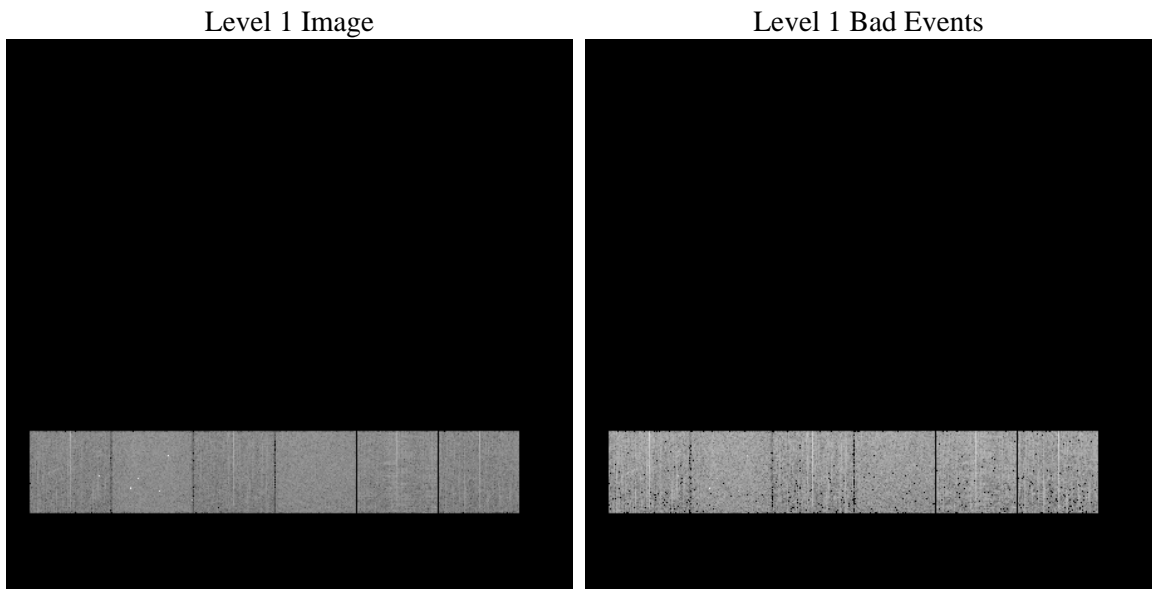
1 Front

seq_num	 	Sequence number
obs_id	55807	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	209.88028885857	Nominal RA [deg]
dec_nom	-60.9531550349	Nominal Dec [deg]
roll_nom	112.96884239718	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3106.0387447476	Sum of GTIs [s]
livetime	3066.7082119296	Livetime [s]
ontime4	3105.9156247377	Sum of GTIs [s]
ontime5	3105.9977047443	Sum of GTIs [s]
ontime6	3105.956664741	Sum of GTIs [s]
ontime7	3106.0387447476	Sum of GTIs [s]
ontime8	3105.8745847344	Sum of GTIs [s]
ontime9	3106.0797847509	Sum of GTIs [s]
l2events	149317	Number of level 2 events

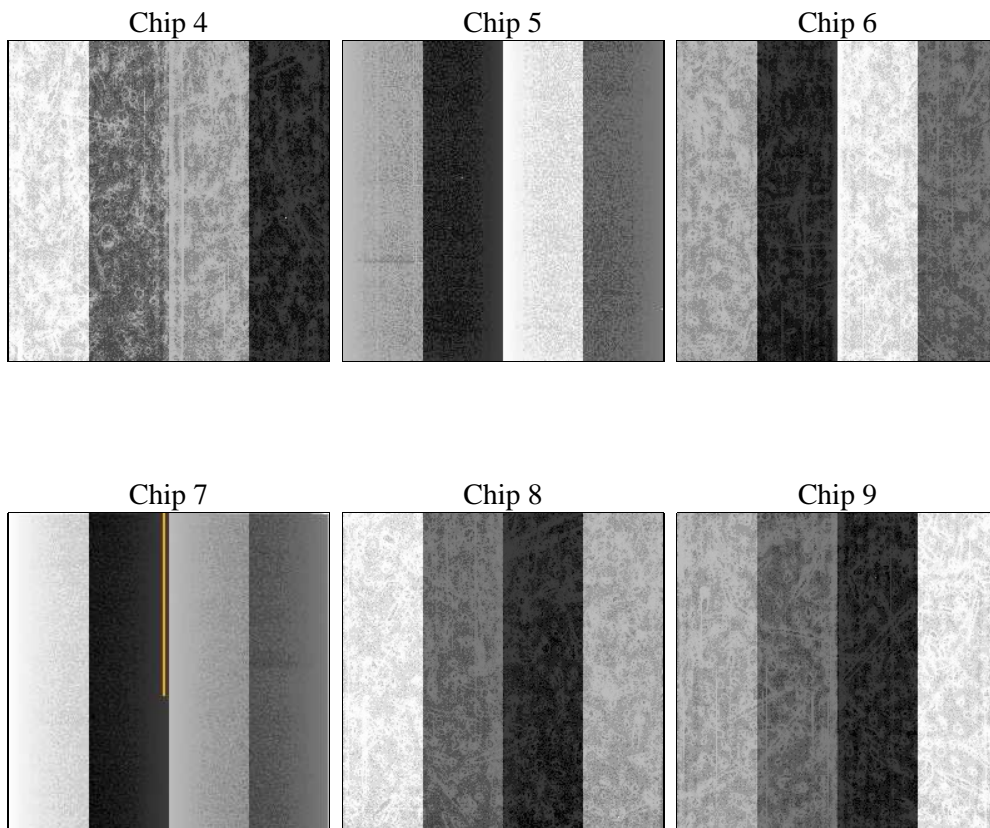
2 OBI

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	3106.0387447476	Sum of GTIs [s]
caldbver	4.5.0	 	ontime4	3105.9156247377	Sum of GTIs [s]
date	2012-07-08T06:30:35	Date and time of file creation	ontime5	3105.9977047443	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3105.956664741	Sum of GTIs [s]
			ontime7	3106.0387447476	Sum of GTIs [s]
			ontime8	3105.8745847344	Sum of GTIs [s]
			ontime9	3106.0797847509	Sum of GTIs [s]
			l1events	336812	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	51302	64593	51470	60784	58166	50497	grade 0 events	13914	7007	12789	6514	14464	12668
rejected events	28895	28558	28214	27060	30408	28238		27%	10%	24%	10%	24%	25%
rejected %	56%	44%	54%	44%	52%	55%	grade 1 events	117	261	61	63	83	93
								0%	0%	0%	0%	0%	0%
							grade 2 events	3748	13182	4573	7748	5641	4099
								7%	20%	8%	12%	9%	8%
							grade 3 events	1601	1423	1615	3089	2115	1594
								3%	2%	3%	5%	3%	3%
							grade 4 events	1675	1462	1655	3213	2076	1599
								3%	2%	3%	5%	3%	3%
							grade 5 events	1494	3261	1503	3857	2027	1731
								2%	5%	2%	6%	3%	3%
							grade 6 events	3266	15418	4429	15441	5596	4005
								6%	23%	8%	25%	9%	7%
							grade 7 events	25487	22579	24845	20859	26164	24708
								49%	34%	48%	34%	44%	48%

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	209.8802888585728
[deg] Pointing Dec	0	-60.95315503489951
[deg] Pointing Roll	0.0	112.9688423971804
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	408729430.482779	408729430.482779
Observation start date	2010-12-14T15:57:10	2010-12-14T15:57:10
[s] Observation end time (MET)	408733980.404634	408733980.404634
Observation end date	2010-12-14T17:13:00	2010-12-14T17:13:00
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)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1060387447476

A.2 Comments