

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53214 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 23 2013

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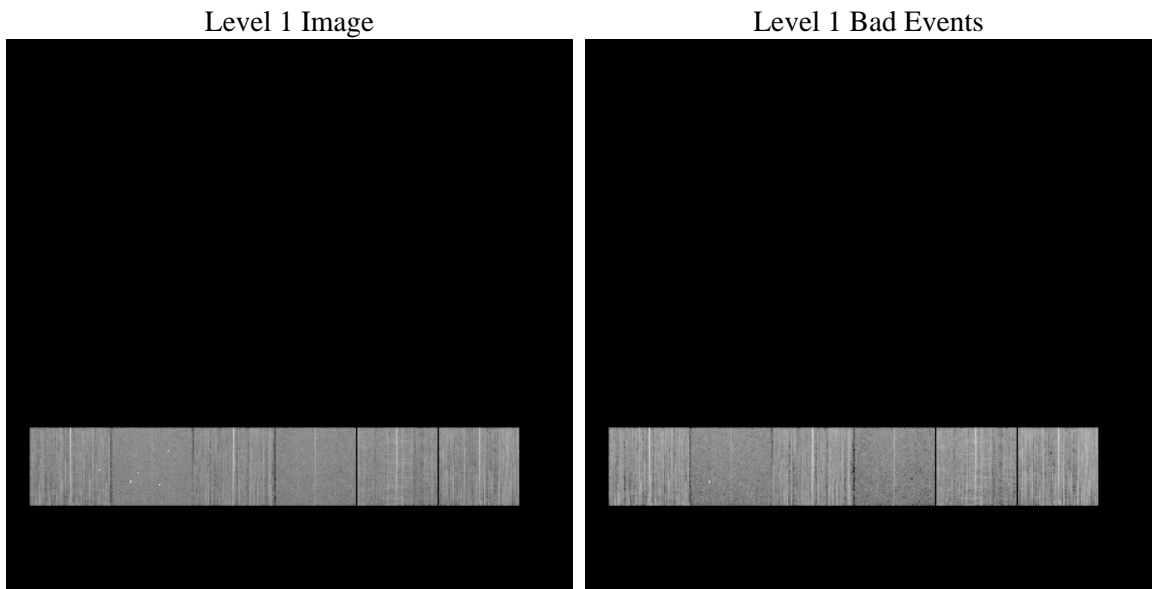
1 Front

seq_num	 	Sequence number
obs_id	53214	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	185.32231787009	Nominal RA [deg]
dec_nom	33.954407646219	Nominal Dec [deg]
roll_nom	265.80441473803	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8184.2979351878	Sum of GTIs [s]
livetime	8080.6634267399	Livetime [s]
ontime4	8184.1748151779	Sum of GTIs [s]
ontime5	8184.2568951845	Sum of GTIs [s]
ontime6	8184.2158551812	Sum of GTIs [s]
ontime7	8184.2979351878	Sum of GTIs [s]
ontime8	8184.1337751746	Sum of GTIs [s]
ontime9	8184.3389751911	Sum of GTIs [s]
l2events	217715	Number of level 2 events

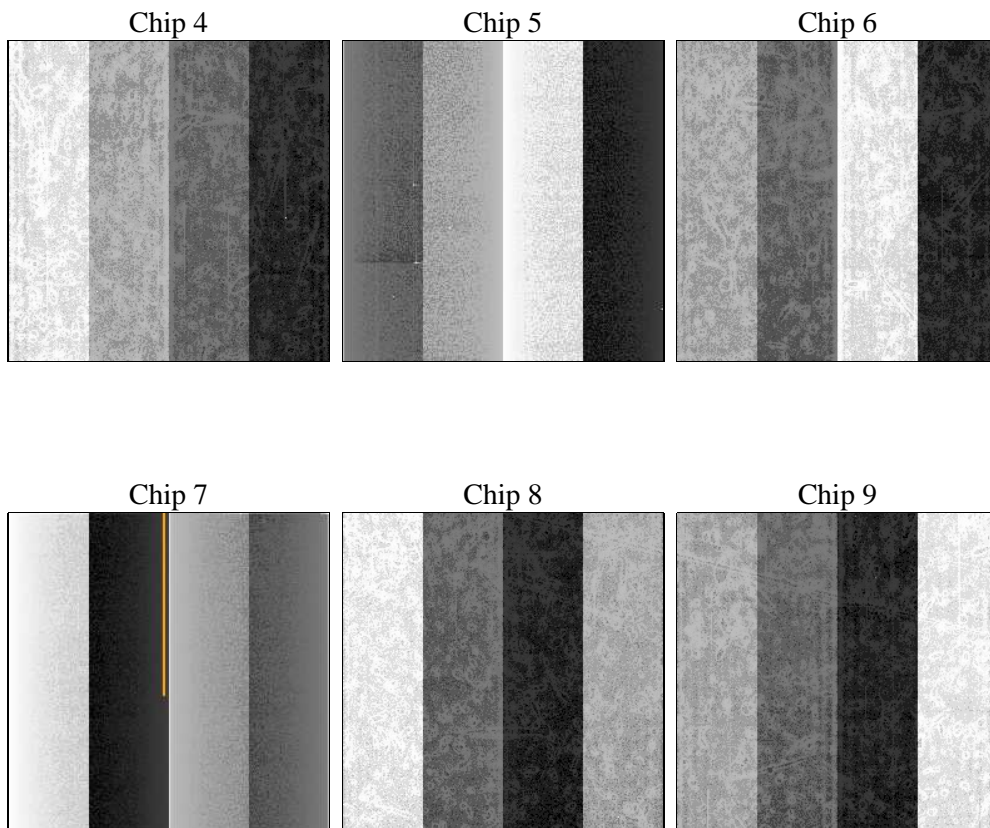
2 OBI

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	10.1.1	Processing system revision	ontime	8184.2979351878	Sum of GTIs [s]
caldsver	4.5.9	 	ontime4	8184.1748151779	Sum of GTIs [s]
date	2013-11-23T05:03:09	Date and time of file creation	ontime5	8184.2568951845	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8184.2158551812	Sum of GTIs [s]
			ontime7	8184.2979351878	Sum of GTIs [s]
			ontime8	8184.1337751746	Sum of GTIs [s]
			ontime9	8184.3389751911	Sum of GTIs [s]
			l1events	863609	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	148136	135046	146130	121712	151021	161564	grade 0 events	17519	10325	14873	7962	17392	14818
rejected events	117376	72962	116074	66829	111864	132327		11%	7%	10%	6%	11%	9%
rejected %	79%	54%	79%	54%	74%	81%	grade 1 events	135	109	69	78	117	78
								0%	0%	0%	0%	0%	0%
							grade 2 events	5684	21851	6172	13673	8162	5794
								3%	16%	4%	11%	5%	3%
							grade 3 events	2040	2091	2040	4586	2950	2017
								1%	1%	1%	3%	1%	1%
							grade 4 events	2001	2065	2089	4499	2999	2024
								1%	1%	1%	3%	1%	1%
							grade 5 events	3013	6232	3015	7561	4068	3358
								2%	4%	2%	6%	2%	2%
							grade 6 events	3913	26515	5238	24849	8178	4981
								2%	19%	3%	20%	5%	3%
							grade 7 events	113831	65858	112634	58504	107155	128494
								76%	48%	77%	48%	70%	79%

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	185.3223178700875
[deg] Pointing Dec	0	33.95440764621948
[deg] Pointing Roll	0.0	265.8044147380308
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)	501496956.306114	501496956.306114
Observation start date	2013-11-22T08:42:36	2013-11-22T08:42:36
[s] Observation end time (MET)	501506504.010878	501506504.010878
Observation end date	2013-11-22T11:21:44	2013-11-22T11:21:44
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.11.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1842979351878

A.2 Comments