

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52933 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 14 2014

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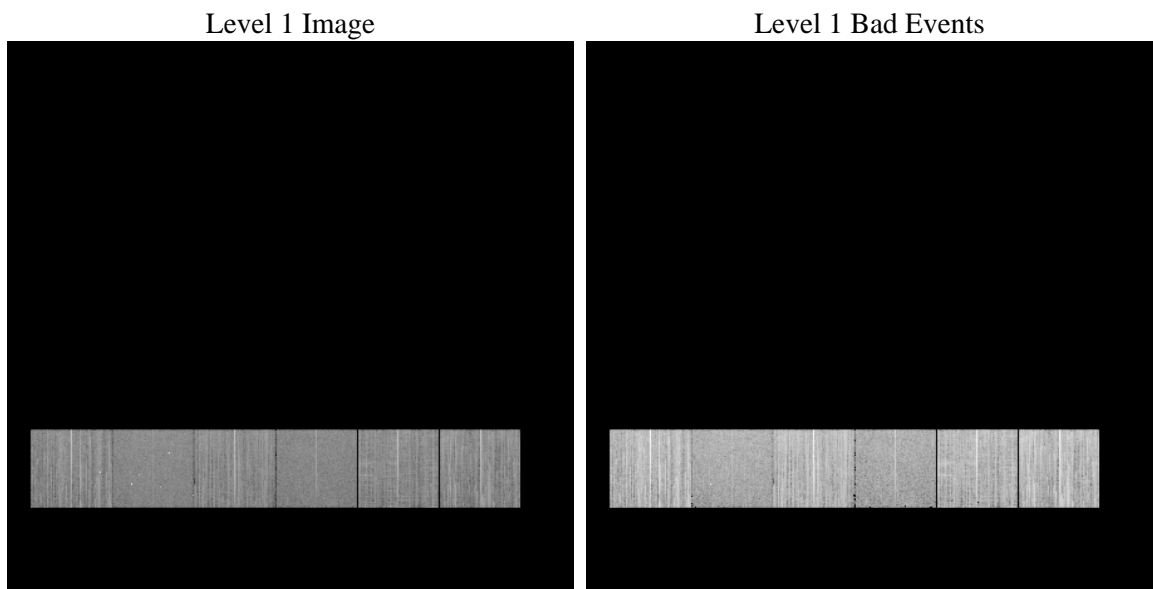
1 Front

seq_num	 	Sequence number
obs_id	52933	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	29.575513962129	Nominal RA [deg]
dec_nom	52.962316408116	Nominal Dec [deg]
roll_nom	38.212409503903	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8191.0652618408	Sum of GTIs [s]
livetime	8087.345061428	Livetime [s]
ontime4	8190.9421418309	Sum of GTIs [s]
ontime5	8191.0242218375	Sum of GTIs [s]
ontime6	8190.9831818342	Sum of GTIs [s]
ontime7	8191.0652618408	Sum of GTIs [s]
ontime8	8190.9011018276	Sum of GTIs [s]
ontime9	8191.1063018441	Sum of GTIs [s]
l2events	204114	Number of level 2 events

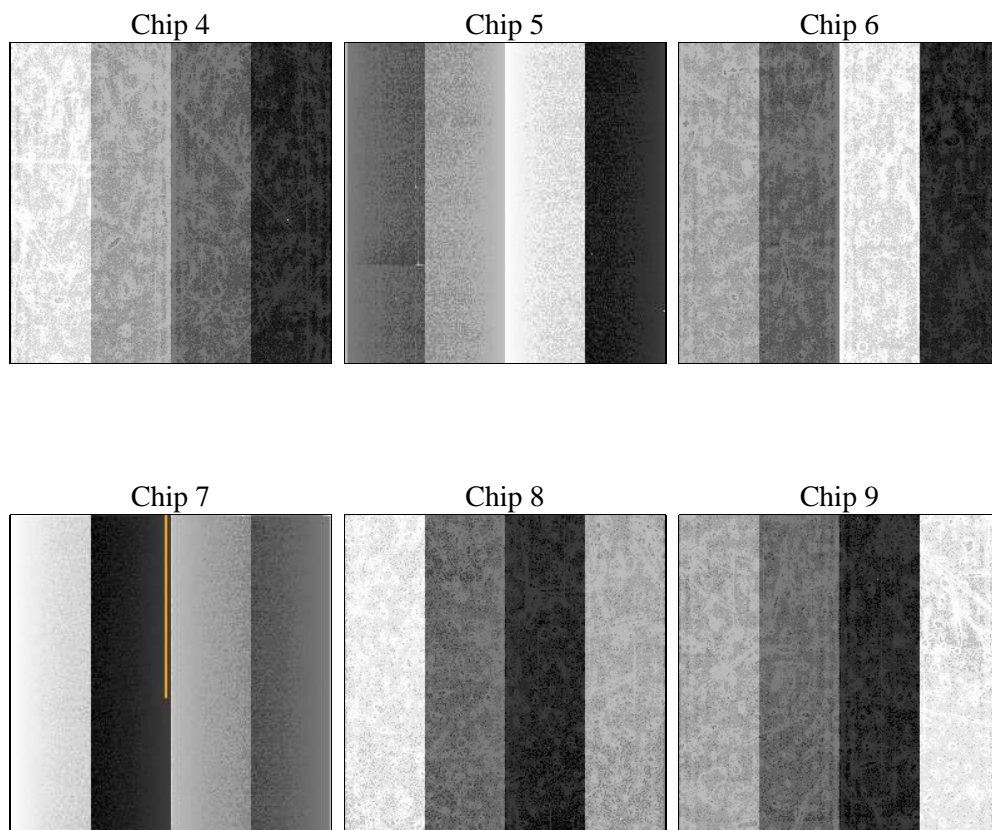
2 OBI

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	10.2.1	Processing system revision	ontime	8191.0652618408	Sum of GTIs [s]
caldsver	4.6.0	 	ontime4	8190.9421418309	Sum of GTIs [s]
date	2014-03-14T05:58:16	Date and time of file creation	ontime5	8191.0242218375	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8190.9831818342	Sum of GTIs [s]
			ontime7	8191.0652618408	Sum of GTIs [s]
			ontime8	8190.9011018276	Sum of GTIs [s]
			ontime9	8191.1063018441	Sum of GTIs [s]
			l1events	819151	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	145852	124864	142193	113610	141233	151399	grade 0 events	16140	7103	13874	7195	16667	13646
rejected events	116977	68432	114117	62461	104043	124097		11%	5%	9%	6%	11%	9%
rejected %	80%	54%	80%	54%	73%	81%	grade 1 events	135	201	52	73	89	73
								0%	0%	0%	0%	0%	0%
							grade 2 events	5375	20624	5803	12501	7504	5471
								3%	16%	4%	11%	5%	3%
							grade 3 events	2054	2151	1891	4339	2978	1920
								1%	1%	1%	3%	2%	1%
							grade 4 events	1903	1915	1937	4213	3000	1921
								1%	1%	1%	3%	2%	1%
							grade 5 events	2903	5937	2922	6966	3794	3262
								1%	4%	2%	6%	2%	2%
							grade 6 events	3728	25311	4924	23514	7395	4671
								2%	20%	3%	20%	5%	3%
							grade 7 events	113614	61622	110790	54809	99806	120435
								77%	49%	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	29.57551396212924
[deg] Pointing Dec	0	52.96231640811592
[deg] Pointing Roll	0.0	38.21240950390324
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)	511090626.783404	511090626.783404
Observation start date	2014-03-13T09:37:07	2014-03-13T09:37:06
[s] Observation end time (MET)	511099895.710225	511099895.710225
Observation end date	2014-03-13T12:11:36	2014-03-13T12:11:35
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)	2014.03.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1910652618408

A.2 Comments