

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53122 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 1 2014

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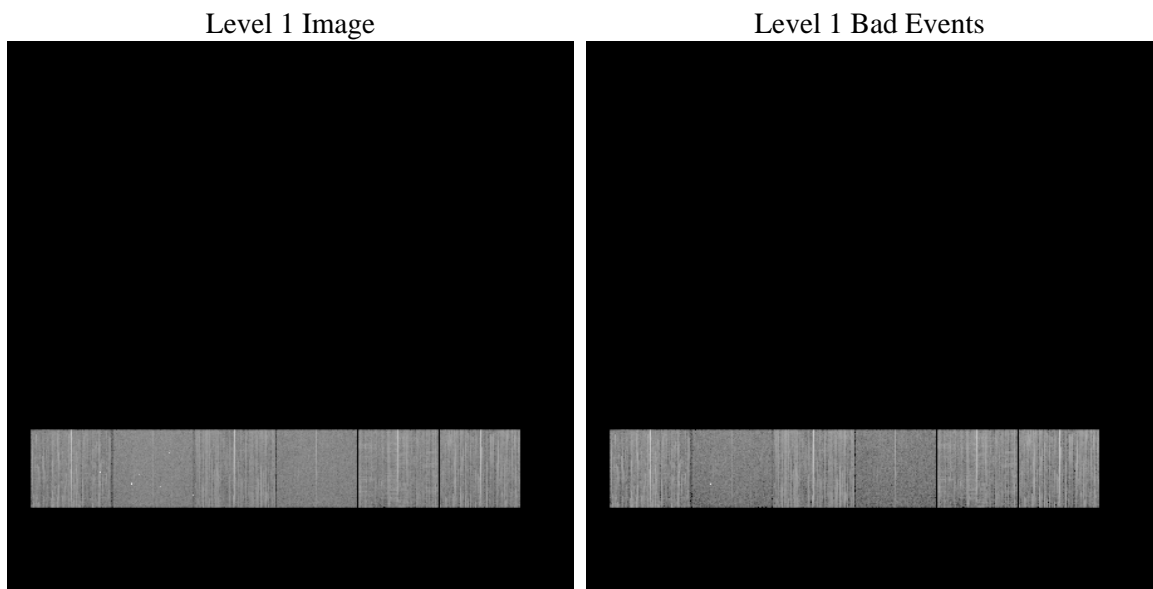
1 Front

seq_num	 	Sequence number
obs_id	53122	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	140.58310609454	Nominal RA [deg]
dec_nom	48.993499034644	Nominal Dec [deg]
roll_nom	133.0000603599	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8147.1999697089	Sum of GTIs [s]
livetime	8044.0352180376	Livetime [s]
ontime4	8147.1999697089	Sum of GTIs [s]
ontime5	8147.1999697089	Sum of GTIs [s]
ontime6	8147.1999697089	Sum of GTIs [s]
ontime7	8147.1999697089	Sum of GTIs [s]
ontime8	8147.1999697089	Sum of GTIs [s]
ontime9	8147.1999697089	Sum of GTIs [s]
l2events	213725	Number of level 2 events

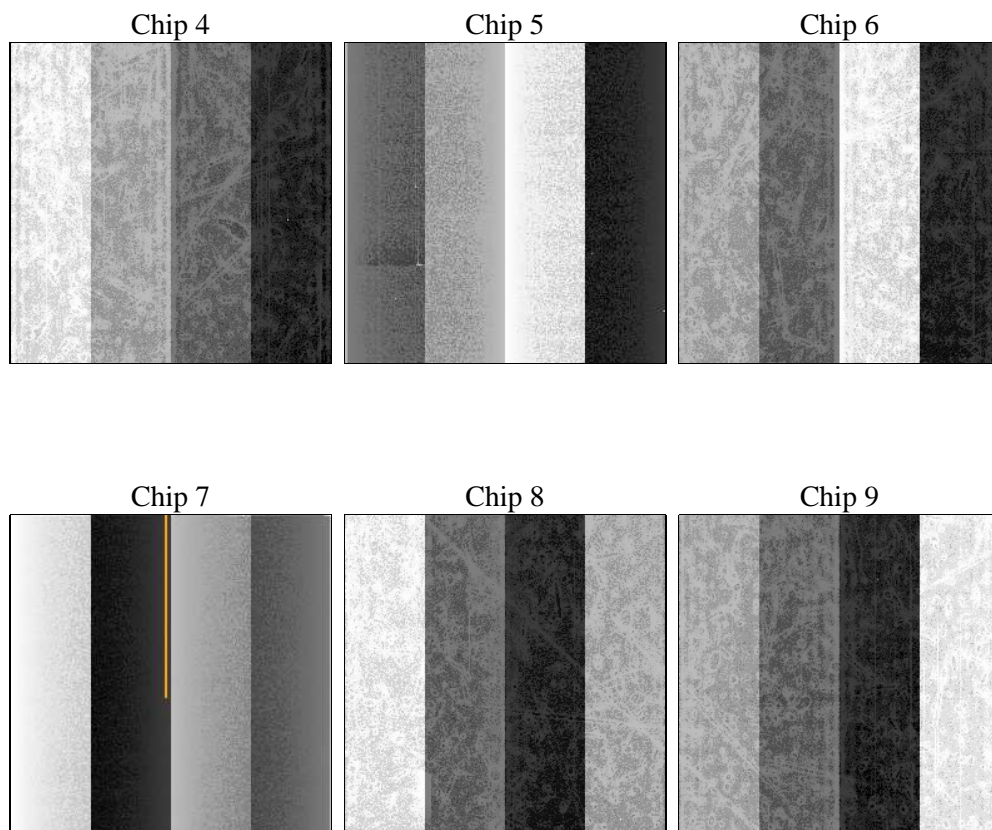
2 OBI

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	8147.1999697089	Sum of GTIs [s]
caldsver	4.6.0	 	ontime4	8147.1999697089	Sum of GTIs [s]
date	2014-01-01T07:08:44	Date and time of file creation	ontime5	8147.1999697089	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8147.1999697089	Sum of GTIs [s]
			ontime7	8147.1999697089	Sum of GTIs [s]
			ontime8	8147.1999697089	Sum of GTIs [s]
			ontime9	8147.1999697089	Sum of GTIs [s]
			l1events	867960	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	151826	132148	154503	119575	154304	155604	grade 0 events	17163	6707	14881	7875	17154	14413
rejected events	121645	73735	124883	65924	116317	127144		11%	5%	9%	6%	11%	9%
rejected %	80%	55%	80%	55%	75%	81%	grade 1 events	162	151	71	83	95	79
								0%	0%	0%	0%	0%	0%
							grade 2 events	5423	21898	6075	13244	8023	5624
								3%	16%	3%	11%	5%	3%
							grade 3 events	2108	2160	1989	4668	3048	2040
								1%	1%	1%	3%	1%	1%
							grade 4 events	2064	2115	2005	4575	2813	2003
								1%	1%	1%	3%	1%	1%
							grade 5 events	3118	6389	3137	7440	4048	3402
								2%	4%	2%	6%	2%	2%
							grade 6 events	3947	26476	5146	24221	7613	4840
								2%	20%	3%	20%	4%	3%
							grade 7 events	117841	66252	121199	57469	111510	123203
								77%	50%	78%	48%	72%	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	140.5831060945426
[deg] Pointing Dec	0	48.99349903464437
[deg] Pointing Roll	0.0	133.0000603599019
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)	504922777.094063	504922777.094063
Observation start date	2014-01-01T00:19:37	2014-01-01T00:19:37
[s] Observation end time (MET)	504932837.423616	504932837.423616
Observation end date	2014-01-01T03:07:17	2014-01-01T03:07:17
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)	2014.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1471999697089

A.2 Comments