

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52920 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 17 2014

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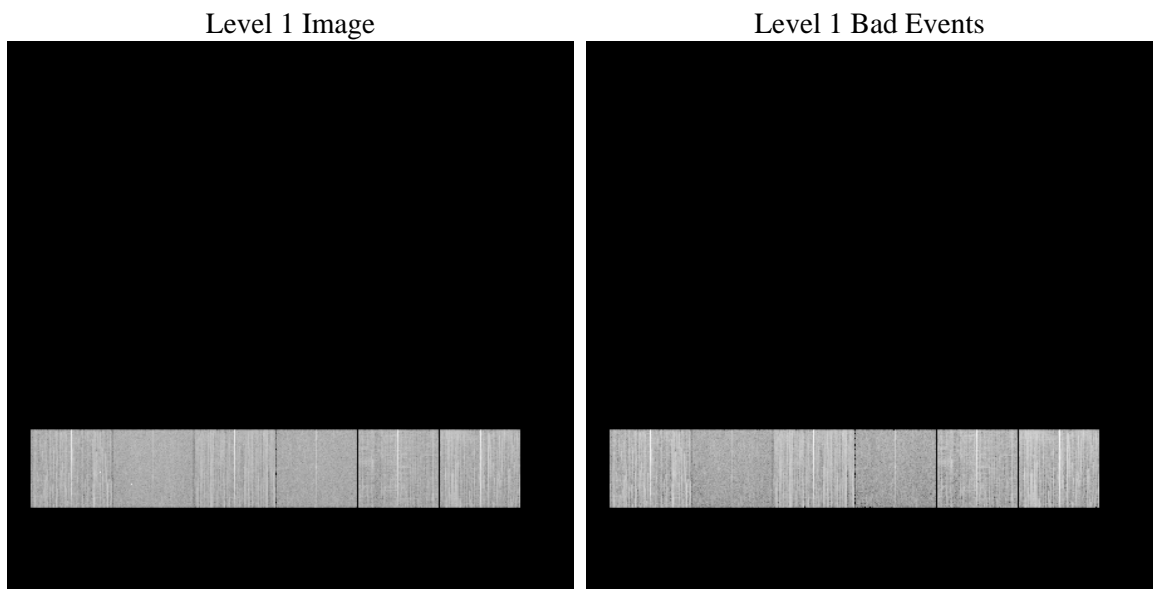
1 Front

seq_num	 	Sequence number
obs_id	52920	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	166.91268963096	Nominal RA [deg]
dec_nom	-1.2571188078371	Nominal Dec [deg]
roll_nom	183.69052926107	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8220.7999694347	Sum of GTIs [s]
livetime	8116.7032502503	Livetime [s]
ontime4	8220.7999694347	Sum of GTIs [s]
ontime5	8220.7999694347	Sum of GTIs [s]
ontime6	8220.7999694347	Sum of GTIs [s]
ontime7	8220.7999694347	Sum of GTIs [s]
ontime8	8220.7999694347	Sum of GTIs [s]
ontime9	8220.7999694347	Sum of GTIs [s]
l2events	197310	Number of level 2 events

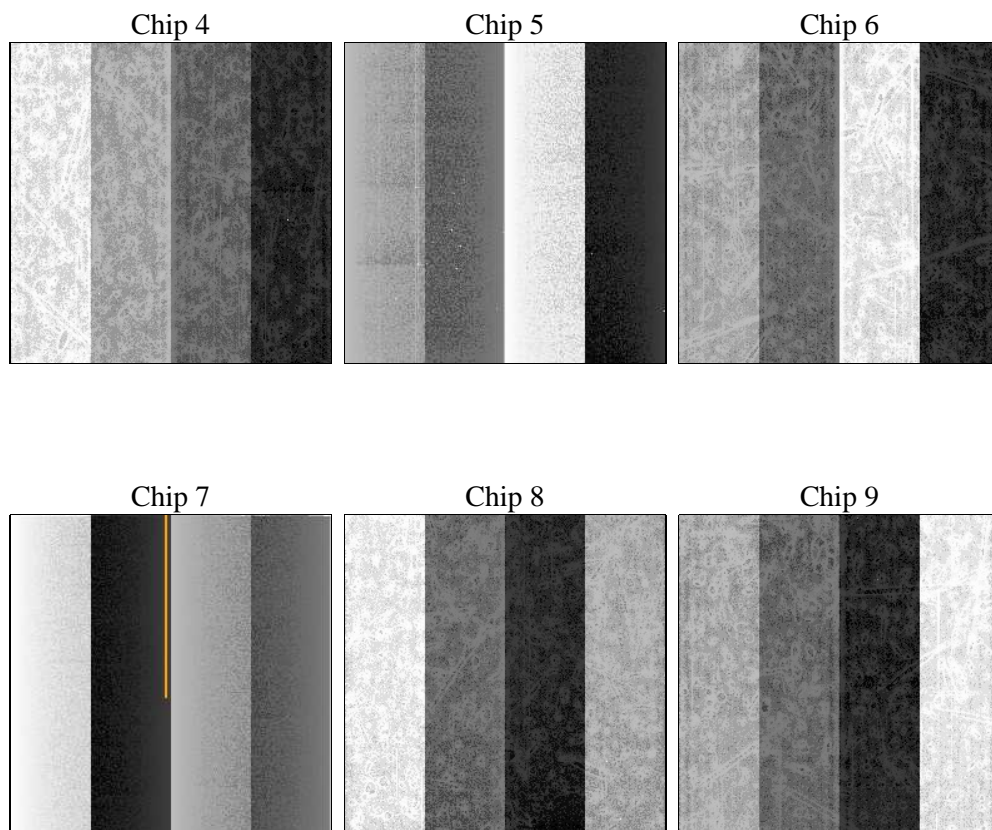
2 OBI

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	8220.7999694347	Sum of GTIs [s]
caldsver	4.6.0	 	ontime4	8220.7999694347	Sum of GTIs [s]
date	2014-03-17T13:27:53	Date and time of file creation	ontime5	8220.7999694347	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8220.7999694347	Sum of GTIs [s]
			ontime7	8220.7999694347	Sum of GTIs [s]
			ontime8	8220.7999694347	Sum of GTIs [s]
			ontime9	8220.7999694347	Sum of GTIs [s]
			l1events	830858	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	145936	119991	153645	114083	137089	160114	grade 0 events	14718	3682	10816	6239	14935	12899
rejected events	118673	68645	126790	65107	102992	132967		10%	3%	7%	5%	10%	8%
rejected %	81%	57%	82%	57%	75%	83%	grade 1 events	95	139	40	72	86	49
								0%	0%	0%	0%	0%	0%
							grade 2 events	5394	18897	8080	12126	7893	6352
								3%	15%	5%	10%	5%	3%
							grade 3 events	1892	1606	1419	3607	2472	1757
								1%	1%	0%	3%	1%	1%
							grade 4 events	1838	1519	1395	3554	2424	1640
								1%	1%	0%	3%	1%	1%
							grade 5 events	2871	4939	2391	6147	3507	2960
								1%	4%	1%	5%	2%	1%
							grade 6 events	3600	26032	5313	23793	6653	4705
								2%	21%	3%	20%	4%	2%
							grade 7 events	115528	63177	124191	58545	99119	129752
								79%	52%	80%	51%	72%	81%

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	166.9126896309581
[deg] Pointing Dec	0	-1.257118807837089
[deg] Pointing Roll	0.0	183.6905292610728
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)	511351960.797798	511351960.797798
Observation start date	2014-03-16T10:12:41	2014-03-16T10:12:40
[s] Observation end time (MET)	511365061.07047	511365061.07047
Observation end date	2014-03-16T13:51:01	2014-03-16T13:51:01
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)	2014.03.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2207999694347

A.2 Comments