

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 52220 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 27 2014

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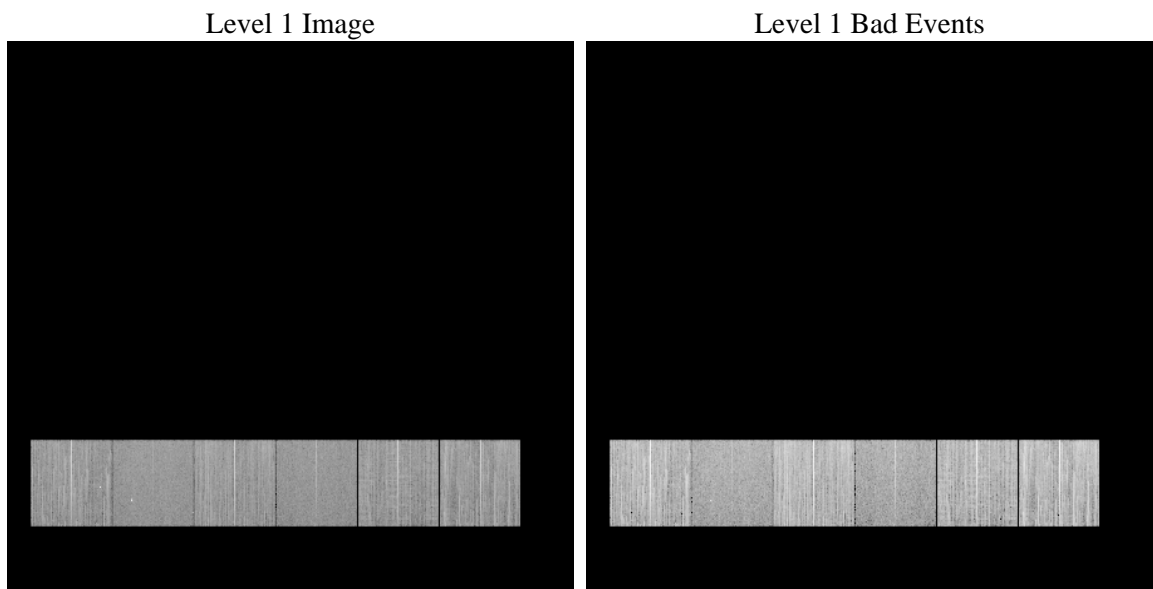
1 Front

seq_num	 	Sequence number
obs_id	52220	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	122.00022430913	Nominal RA [deg]
dec_nom	15.392607476314	Nominal Dec [deg]
roll_nom	69.791815743628	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8207.9999694824	Sum of GTIs [s]
livetime	8104.0653316046	Livetime [s]
ontime4	8104.2857737541	Sum of GTIs [s]
ontime5	8207.9999694824	Sum of GTIs [s]
ontime6	8117.2499846816	Sum of GTIs [s]
ontime7	8207.9999694824	Sum of GTIs [s]
ontime8	8126.9730843902	Sum of GTIs [s]
ontime9	8123.7320646644	Sum of GTIs [s]
l2events	216864	Number of level 2 events

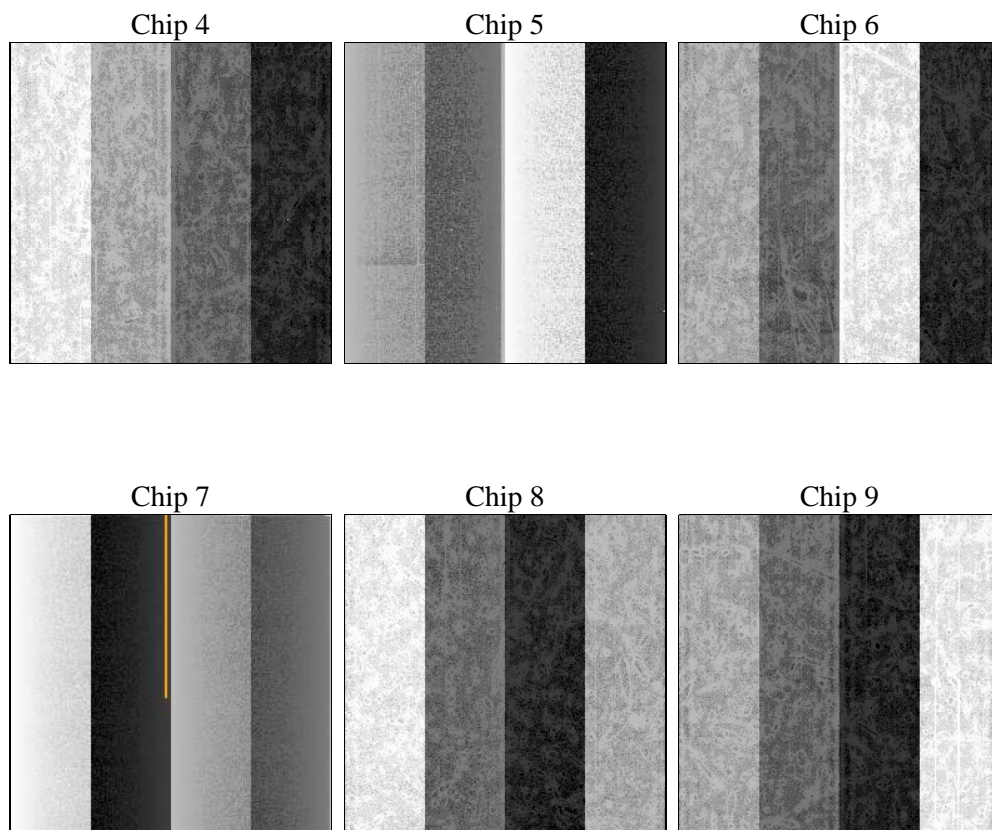
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	8207.9999694824	Sum of GTIs [s]
caldsver	4.6.5	 	ontime4	8104.2857737541	Sum of GTIs [s]
date	2014-12-27T18:52:44	Date and time of file creation	ontime5	8207.9999694824	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8117.2499846816	Sum of GTIs [s]
			ontime7	8207.9999694824	Sum of GTIs [s]
			ontime8	8126.9730843902	Sum of GTIs [s]
			ontime9	8123.7320646644	Sum of GTIs [s]
			l1events	831886	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	143845	123121	150632	116760	144018	153510	grade 0 events	16681	4656	14130	7499	17201	14483
rejected events	112643	68729	119736	64333	104426	123064		11%	3%	9%	6%	11%	9%
rejected %	78%	55%	79%	55%	72%	80%	grade 1 events	109	123	53	75	98	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	5821	20868	6982	13429	8381	6264
								4%	16%	4%	11%	5%	4%
							grade 3 events	2025	2275	1882	4056	2998	2029
								1%	1%	1%	3%	2%	1%
							grade 4 events	2094	1605	1917	3916	2828	1987
								1%	1%	1%	3%	1%	1%
							grade 5 events	2829	5516	2775	6691	3676	3143
								1%	4%	1%	5%	2%	2%
							grade 6 events	4787	25461	6218	23904	8406	5883
								3%	20%	4%	20%	5%	3%
							grade 7 events	109499	62617	116675	57190	100430	119632
								76%	50%	77%	48%	69%	77%

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	122.0002243091347
[deg] Pointing Dec	0	15.39260747631367
[deg] Pointing Roll	0.0	69.79181574362842
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)	536036557.465991	536036557.465991
Observation start date	2014-12-27T03:02:37	2014-12-27T03:02:37
[s] Observation end time (MET)	536046375.747189	536046375.747189
Observation end date	2014-12-27T05:46:16	2014-12-27T05:46:15
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)	2014.12.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2079999694824

A.2 Comments