

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52824 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 22 2014

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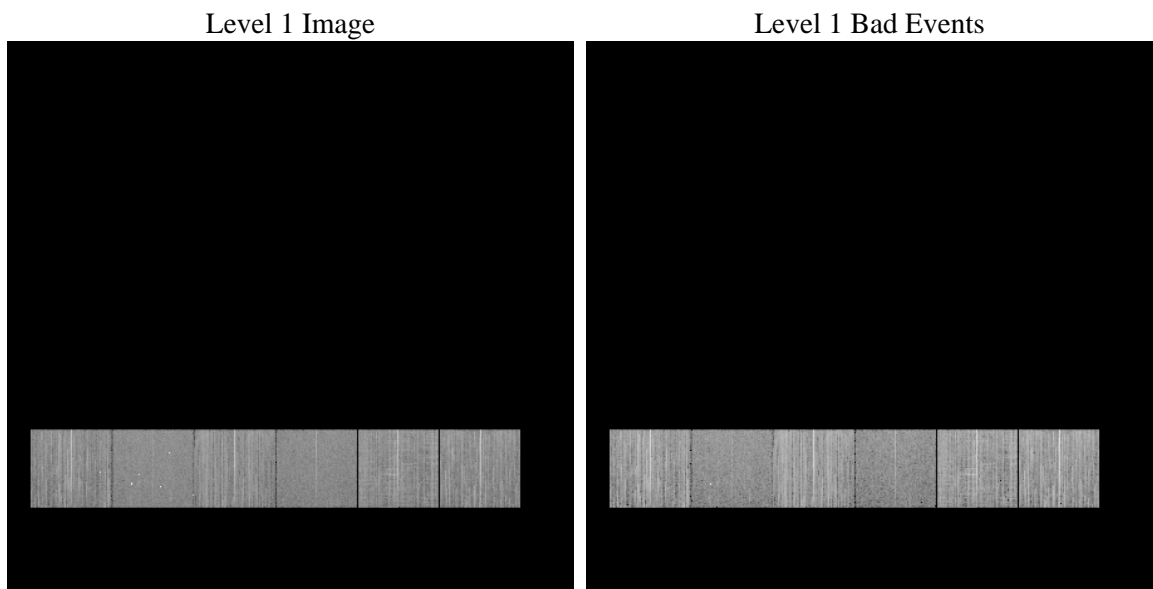
1 Front

seq_num	 	Sequence number
obs_id	52824	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	221.43986918533	Nominal RA [deg]
dec_nom	-31.05458896785	Nominal Dec [deg]
roll_nom	77.22856649947	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8114.0175256133	Sum of GTIs [s]
livetime	8011.2729500292	Livetime [s]
ontime4	8113.8944056034	Sum of GTIs [s]
ontime5	8113.97648561	Sum of GTIs [s]
ontime6	8113.9354456067	Sum of GTIs [s]
ontime7	8114.0175256133	Sum of GTIs [s]
ontime8	8113.8533656001	Sum of GTIs [s]
ontime9	8114.0585656166	Sum of GTIs [s]
l2events	196710	Number of level 2 events

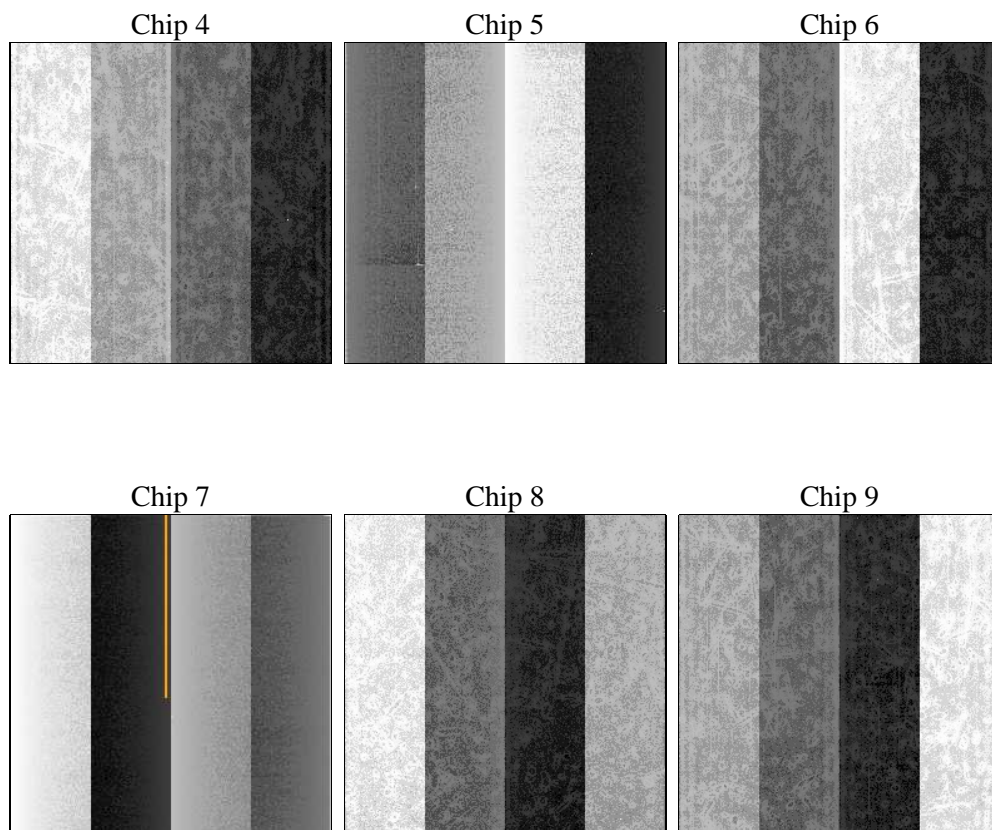
2 OBI

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	8114.0175256133	Sum of GTIs [s]
caldbver	4.6.1	 	ontime4	8113.8944056034	Sum of GTIs [s]
date	2014-04-22T18:49:43	Date and time of file creation	ontime5	8113.97648561	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8113.9354456067	Sum of GTIs [s]
			ontime7	8114.0175256133	Sum of GTIs [s]
			ontime8	8113.8533656001	Sum of GTIs [s]
			ontime9	8114.0585656166	Sum of GTIs [s]
			l1events	792610	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	135651	123462	142109	110348	142432	138608	grade 0 events	15571	9283	13581	7368	15872	13322
rejected events	107996	66936	115036	60466	107584	112521		11%	7%	9%	6%	11%	9%
rejected %	79%	54%	80%	54%	75%	81%	grade 1 events	91	173	74	77	70	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	5107	20211	5633	12354	7410	5285
								3%	16%	3%	11%	5%	3%
							grade 3 events	1927	1937	1838	4192	2678	1866
								1%	1%	1%	3%	1%	1%
							grade 4 events	1926	1921	1800	4198	2630	1757
								1%	1%	1%	3%	1%	1%
							grade 5 events	2922	5772	2836	6903	3736	3198
								2%	4%	1%	6%	2%	2%
							grade 6 events	3680	24367	4818	22808	7018	4446
								2%	19%	3%	20%	4%	3%
							grade 7 events	104427	59798	111529	52448	103018	108649
								76%	48%	78%	47%	72%	78%

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	221.4398691853272
[deg] Pointing Dec	0	-31.05458896785044
[deg] Pointing Roll	0.0	77.22856649947045
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)	514519725.522477	514519725.522477
Observation start date	2014-04-22T02:08:46	2014-04-22T02:08:45
[s] Observation end time (MET)	514529273.120814	514529273.120814
Observation end date	2014-04-22T04:47:53	2014-04-22T04:47:53
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1140175256133

A.2 Comments