

V&V Reference Report

L2 ASCDS Version : 10.0.1

Observation 53442 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 30 2013

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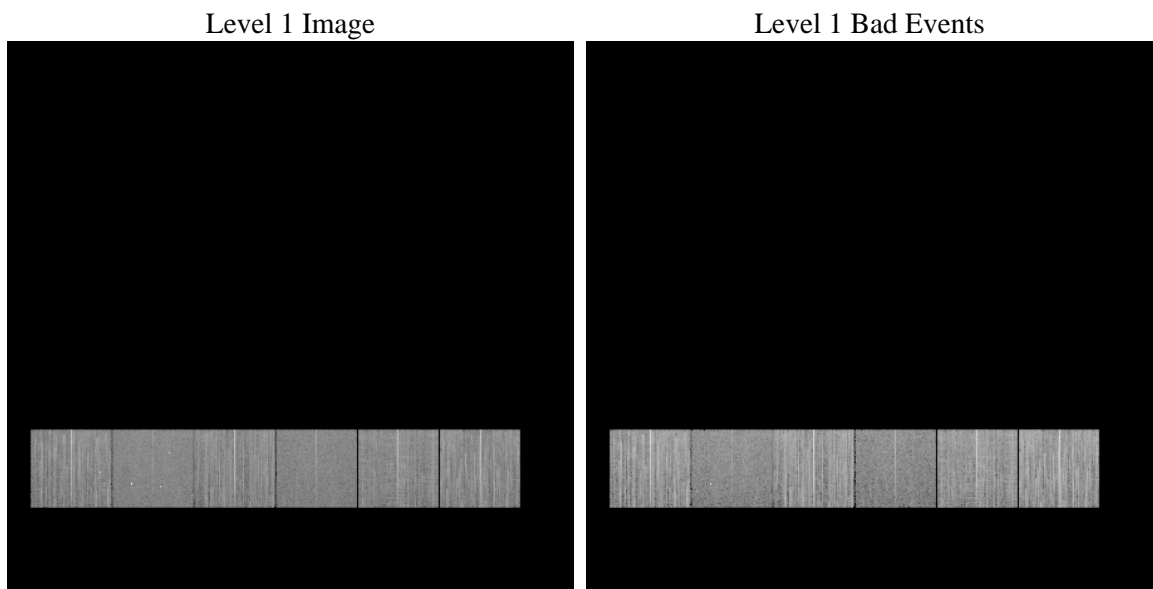
1 Front

seq_num	 	Sequence number
obs_id	53442	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	336.30195051545	Nominal RA [deg]
dec_nom	-27.579732250844	Nominal Dec [deg]
roll_nom	110.49624411831	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8172.7999696136	Sum of GTIs [s]
livetime	8069.311055329	Livetime [s]
ontime4	8172.7206154466	Sum of GTIs [s]
ontime5	8172.7999696136	Sum of GTIs [s]
ontime6	8172.7616554499	Sum of GTIs [s]
ontime7	8172.7999696136	Sum of GTIs [s]
ontime8	8172.6795754433	Sum of GTIs [s]
ontime9	8172.7999696136	Sum of GTIs [s]
l2events	225185	Number of level 2 events

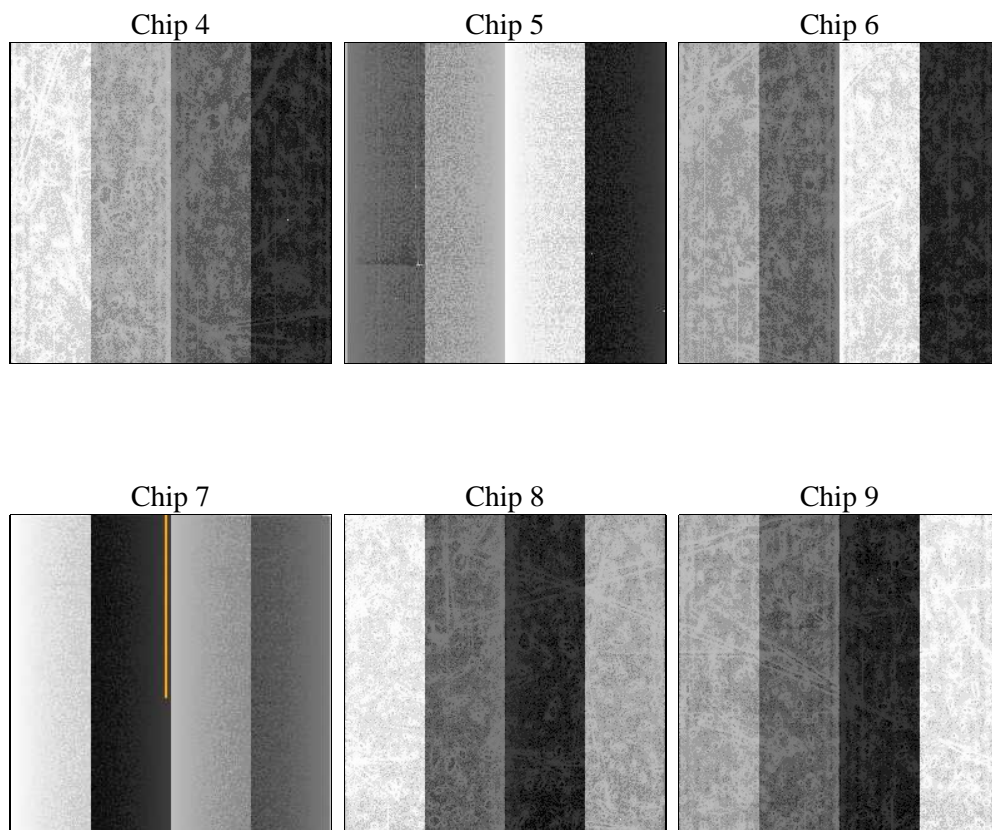
2 OBI

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	Processing system revision	ontime	8172.7999696136	Sum of GTIs [s]
caldsver	4.5.8	 	ontime4	8172.7206154466	Sum of GTIs [s]
date	2013-08-30T12:52:31	Date and time of file creation	ontime5	8172.7999696136	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8172.7616554499	Sum of GTIs [s]
			ontime7	8172.7999696136	Sum of GTIs [s]
			ontime8	8172.6795754433	Sum of GTIs [s]
			ontime9	8172.7999696136	Sum of GTIs [s]
			l1events	861412	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	149571	131836	150504	120392	147885	161224	grade 0 events	18514	7932	16364	8430	18441	15596
rejected events	117182	71732	118361	64653	108339	130618		12%	6%	10%	7%	12%	9%
rejected %	78%	54%	78%	53%	73%	81%	grade 1 events	134	120	69	83	86	94
								0%	0%	0%	0%	0%	0%
							grade 2 events	5834	22216	6435	13900	8167	5981
								3%	16%	4%	11%	5%	3%
							grade 3 events	2159	2247	2200	4651	3084	2197
								1%	1%	1%	3%	2%	1%
							grade 4 events	2171	2154	2078	4721	2891	2102
								1%	1%	1%	3%	1%	1%
							grade 5 events	3046	6278	3058	7418	3869	3475
								2%	4%	2%	6%	2%	2%
							grade 6 events	4182	26296	5543	24768	7570	5190
								2%	19%	3%	20%	5%	3%
							grade 7 events	113531	64593	114757	56421	103777	126589
								75%	48%	76%	46%	70%	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	336.3019505154518
[deg] Pointing Dec	0	-27.57973225084424
[deg] Pointing Roll	0.0	110.4962441183147
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)	494184464.456181	494184464.456181
Observation start date	2013-08-29T17:27:44	2013-08-29T17:27:44
[s] Observation end time (MET)	494194014.031723	494194014.031723
Observation end date	2013-08-29T20:06:54	2013-08-29T20:06:54
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)	2013.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1727999696136

A.2 Comments