

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 53052 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 30 2014

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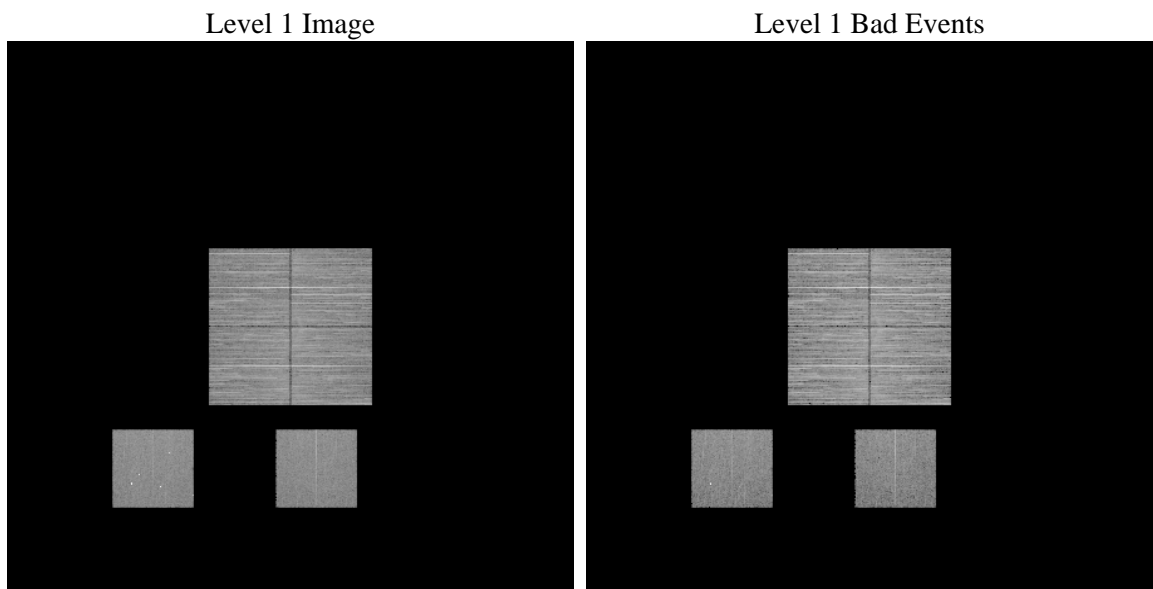
1 Front

seq_num	 	Sequence number
obs_id	53052	Observation id
title	ACIS-012357 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	138.96331475959	Nominal RA [deg]
dec_nom	41.991173021894	Nominal Dec [deg]
roll_nom	165.05052291556	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8031.9999701381	Sum of GTIs [s]
livetime	7930.2939502264	Livetime [s]
ontime0	8031.9999701381	Sum of GTIs [s]
ontime1	8031.9999701381	Sum of GTIs [s]
ontime2	8031.9979513288	Sum of GTIs [s]
ontime3	8031.9999701381	Sum of GTIs [s]
ontime5	8031.9569113255	Sum of GTIs [s]
ontime7	8031.9999701381	Sum of GTIs [s]
l2events	200643	Number of level 2 events

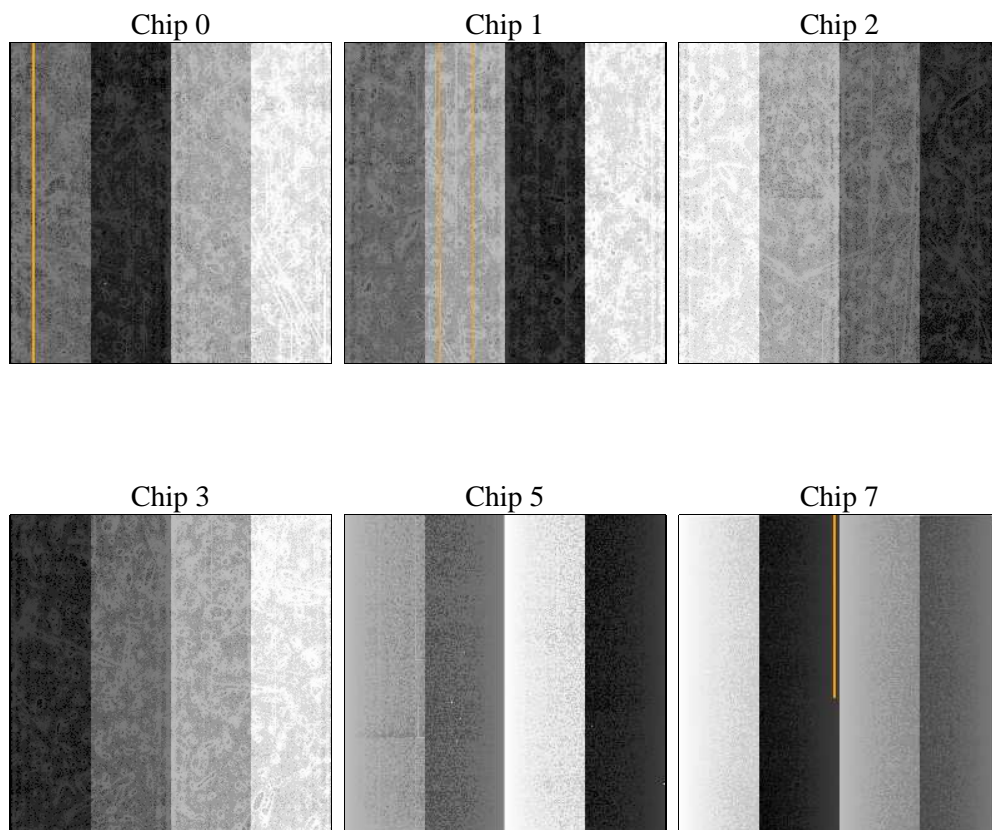
2 OBI

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	8031.9999701381	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	8031.9999701381	Sum of GTIs [s]
date	2014-01-30T13:58:40	Date and time of file creation	ontime1	8031.9999701381	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8031.9979513288	Sum of GTIs [s]
			ontime3	8031.9999701381	Sum of GTIs [s]
			ontime5	8031.9569113255	Sum of GTIs [s]
			ontime7	8031.9999701381	Sum of GTIs [s]
			l1events	820707	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	139155	145330	147822	144994	127004	116402	grade 0 events	13822	13293	14325	14546	8171	7272
rejected events	112027	118287	120860	117535	70949	65805		9%	9%	9%	10%	6%	6%
rejected %	80%	81%	81%	81%	55%	56%	grade 1 events	66	57	72	86	122	70
								0%	0%	0%	0%	0%	0%
							grade 2 events	5875	6180	5509	5515	20635	12875
								4%	4%	3%	3%	16%	11%
							grade 3 events	1911	1787	1911	2015	1727	4071
								1%	1%	1%	1%	1%	3%
							grade 4 events	1868	1871	1887	1976	1637	4193
								1%	1%	1%	1%	1%	3%
							grade 5 events	2679	2718	2634	3029	5432	6937
								1%	1%	1%	2%	4%	5%
							grade 6 events	4506	4771	4244	4275	25638	23766
								3%	3%	2%	2%	20%	20%
							grade 7 events	108428	114653	117240	113552	63642	57218
								77%	78%	79%	78%	50%	49%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	138.9633147595874
[deg] Pointing Dec	0	41.99117302189373
[deg] Pointing Roll	0.0	165.0505229155622
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)	507438613.082377	507438613.082377
Observation start date	2014-01-30T03:10:13	2014-01-30T03:10:13
[s] Observation end time (MET)	507447557.88245	507447557.88245
Observation end date	2014-01-30T05:39:18	2014-01-30T05:39:17
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)	2014.01.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0319999701381

A.2 Comments