

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53240 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 12 2013

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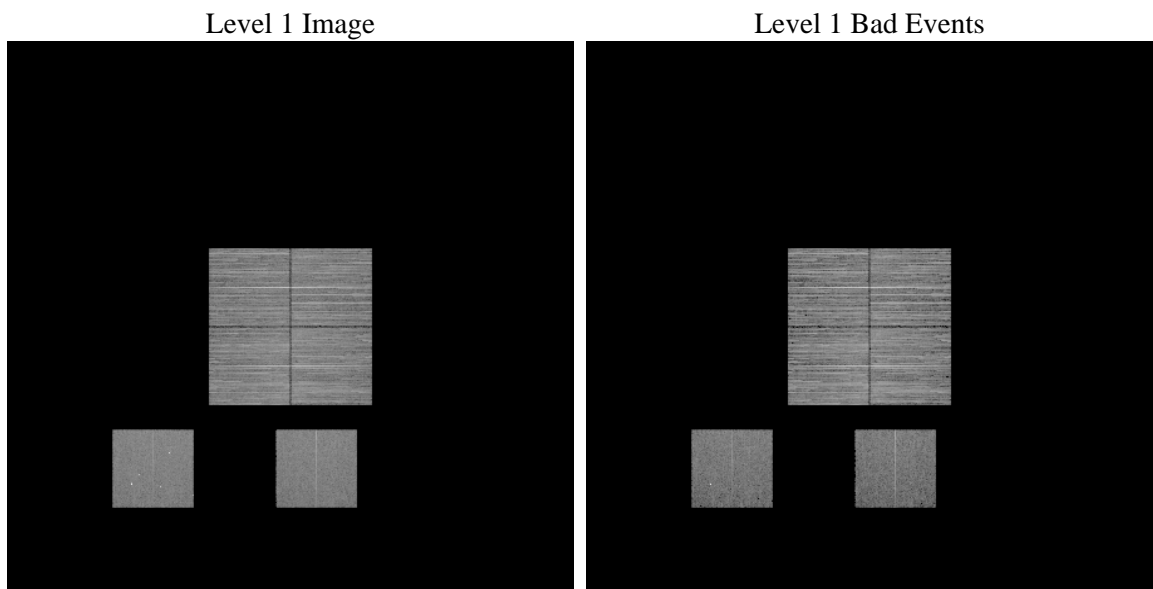
1 Front

seq_num	 	Sequence number
obs_id	53240	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	60.474902675439	Nominal RA [deg]
dec_nom	-3.5606607050738	Nominal Dec [deg]
roll_nom	48.815168779409	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8159.1290561557	Sum of GTIs [s]
livetime	8055.8132512089	Livetime [s]
ontime0	8159.0880161524	Sum of GTIs [s]
ontime1	8159.0469761491	Sum of GTIs [s]
ontime2	8159.0059361458	Sum of GTIs [s]
ontime3	8159.170096159	Sum of GTIs [s]
ontime5	8158.9648961425	Sum of GTIs [s]
ontime7	8159.1290561557	Sum of GTIs [s]
l2events	219141	Number of level 2 events

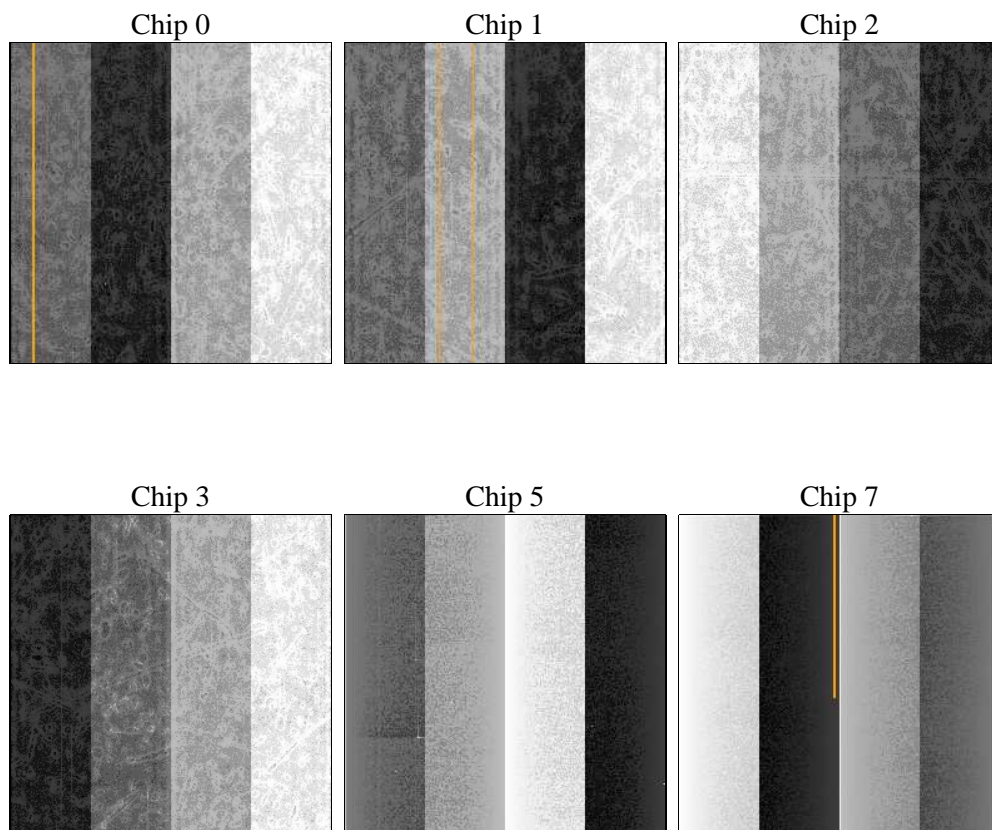
2 OBI

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	10.1.1	Processing system revision	ontime	8159.1290561557	Sum of GTIs [s]
caldsver	4.5.8	 	ontime0	8159.0880161524	Sum of GTIs [s]
date	2013-11-12T06:37:43	Date and time of file creation	ontime1	8159.0469761491	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8159.0059361458	Sum of GTIs [s]
			ontime3	8159.170096159	Sum of GTIs [s]
			ontime5	8158.9648961425	Sum of GTIs [s]
			ontime7	8159.1290561557	Sum of GTIs [s]
			l1events	821303	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	137515	141310	150890	146317	127805	117466	grade 0 events	15323	14740	16103	15814	7664	8109
rejected events	107674	111362	120574	116170	69584	63272		11%	10%	10%	10%	5%	6%
rejected %	78%	78%	79%	79%	54%	53%	grade 1 events	70	70	81	85	119	88
								0%	0%	0%	0%	0%	0%
							grade 2 events	5996	6355	5970	5861	21398	13558
								4%	4%	3%	4%	16%	11%
							grade 3 events	2085	2050	2046	2159	2217	4570
								1%	1%	1%	1%	1%	3%
							grade 4 events	2056	2027	2068	2071	2051	4467
								1%	1%	1%	1%	1%	3%
							grade 5 events	2647	2789	2499	2891	7219	7046
								1%	1%	1%	1%	5%	5%
							grade 6 events	4889	5304	4690	4803	25875	24443
								3%	3%	3%	3%	20%	20%
							grade 7 events	104449	107975	117433	112633	61262	55185
								75%	76%	77%	76%	47%	46%

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	60.47490267543857
[deg] Pointing Dec	0	-3.560660705073805
[deg] Pointing Roll	0.0	48.81516877940935
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)	500579884.655867	500579884.655867
Observation start date	2013-11-11T17:58:05	2013-11-11T17:58:04
[s] Observation end time (MET)	500589431.98122	500589431.98122
Observation end date	2013-11-11T20:37:12	2013-11-11T20:37:11
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)	2013.11.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1591290561557

A.2 Comments