

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54132 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 1 2012

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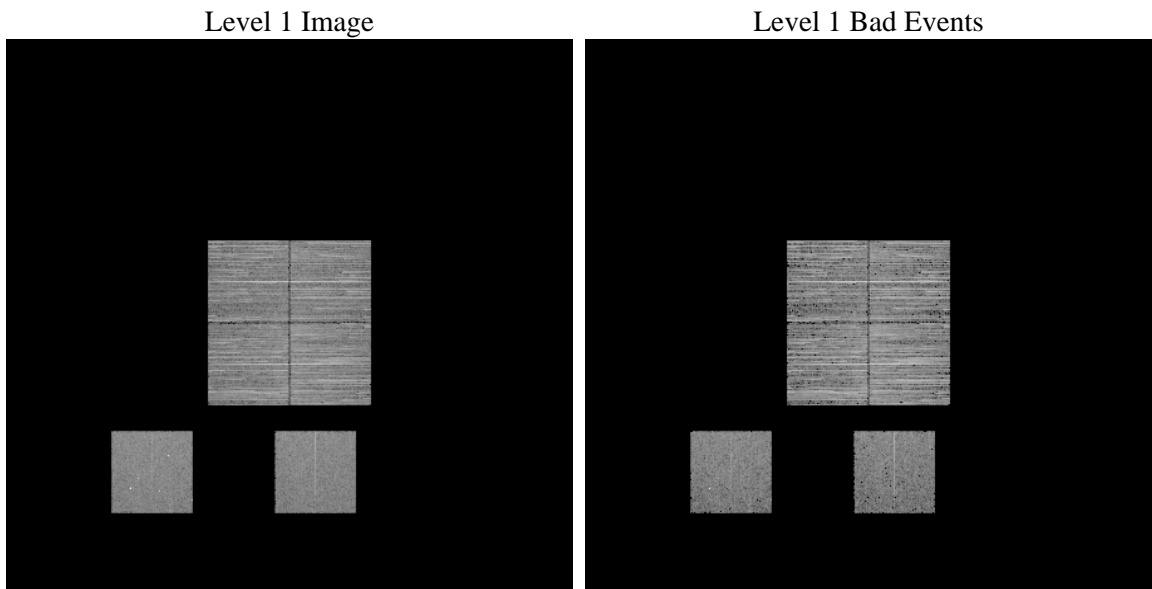
1 Front

seq_num	 	Sequence number
obs_id	54132	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	61.040565583102	Nominal RA [deg]
dec_nom	32.719089333412	Nominal Dec [deg]
roll_nom	227.44760219321	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4102.399984777	Sum of GTIs [s]
livetime	4050.452926001	Livetime [s]
ontime0	4102.399984777	Sum of GTIs [s]
ontime1	4102.399984777	Sum of GTIs [s]
ontime2	4102.399984777	Sum of GTIs [s]
ontime3	4102.399984777	Sum of GTIs [s]
ontime5	4102.399984777	Sum of GTIs [s]
ontime7	4102.399984777	Sum of GTIs [s]
l2events	127581	Number of level 2 events

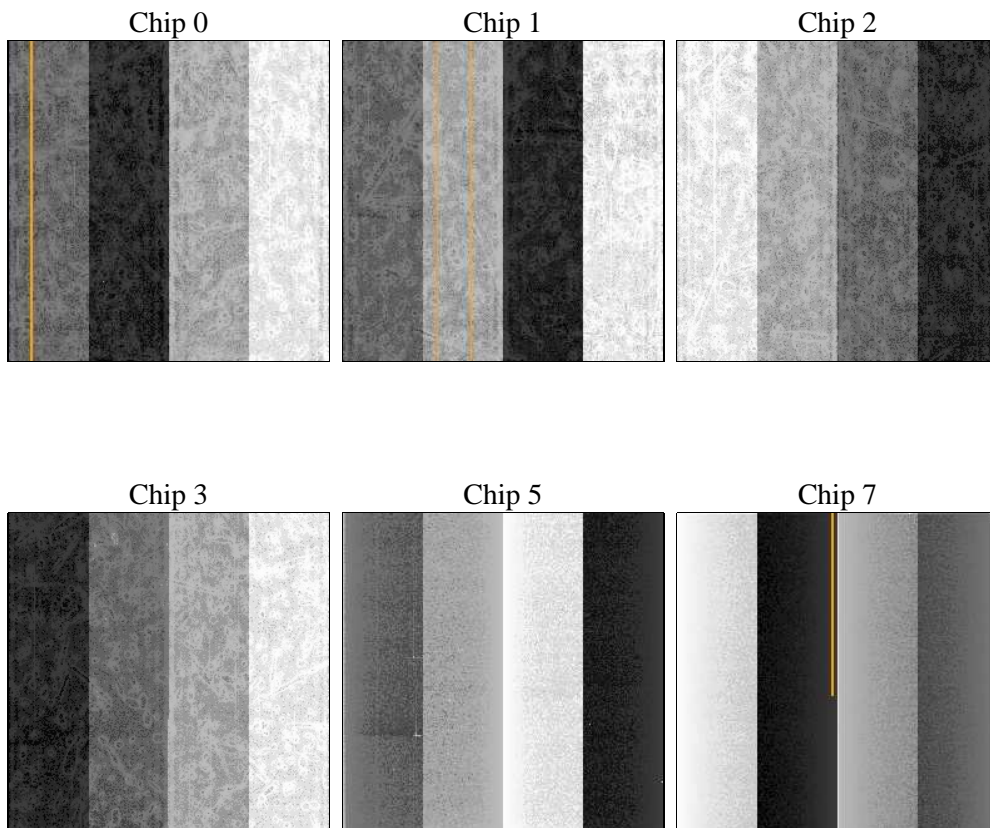
2 OBI

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	8.4.5	Processing system revision	ontime	4102.399984777	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4102.399984777	Sum of GTIs [s]
date	2012-12-01T05:40:13	Date and time of file creation	ontime1	4102.399984777	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4102.399984777	Sum of GTIs [s]
			ontime3	4102.399984777	Sum of GTIs [s]
			ontime5	4102.399984777	Sum of GTIs [s]
			ontime7	4102.399984777	Sum of GTIs [s]
			l1events	474380	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	75270	81992	83008	92091	74035	67984	grade 0 events	9655	9268	9860	9788	4639	5045
rejected events	57600	64174	65187	74374	40533	37139		12%	11%	11%	10%	6%	7%
rejected %	76%	78%	78%	80%	54%	54%	grade 1 events	50	42	46	67	143	52
								0%	0%	0%	0%	0%	0%
							grade 2 events	3672	3907	3701	3588	13065	8101
								4%	4%	4%	3%	17%	11%
							grade 3 events	1287	1262	1285	1287	1260	2761
								1%	1%	1%	1%	1%	4%
							grade 4 events	1264	1235	1279	1317	1252	2727
								1%	1%	1%	1%	1%	4%
							grade 5 events	1643	1565	1427	1677	3636	4103
								2%	1%	1%	1%	4%	6%
							grade 6 events	2849	3131	2716	2816	15182	14036
								3%	3%	3%	3%	20%	20%
							grade 7 events	54850	61582	62694	71551	34858	31159
								72%	75%	75%	77%	47%	45%

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	61.04056558310207
[deg] Pointing Dec	0	32.71908933341206
[deg] Pointing Roll	0.0	227.4476021932084
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)	470652943.681627	470652943.681627
Observation start date	2012-11-30T08:55:44	2012-11-30T08:55:43
[s] Observation end time (MET)	470658535.262208	470658535.262208
Observation end date	2012-11-30T10:28:55	2012-11-30T10:28:55
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)	2012.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.102399984777

A.2 Comments