

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53085 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 17 2014

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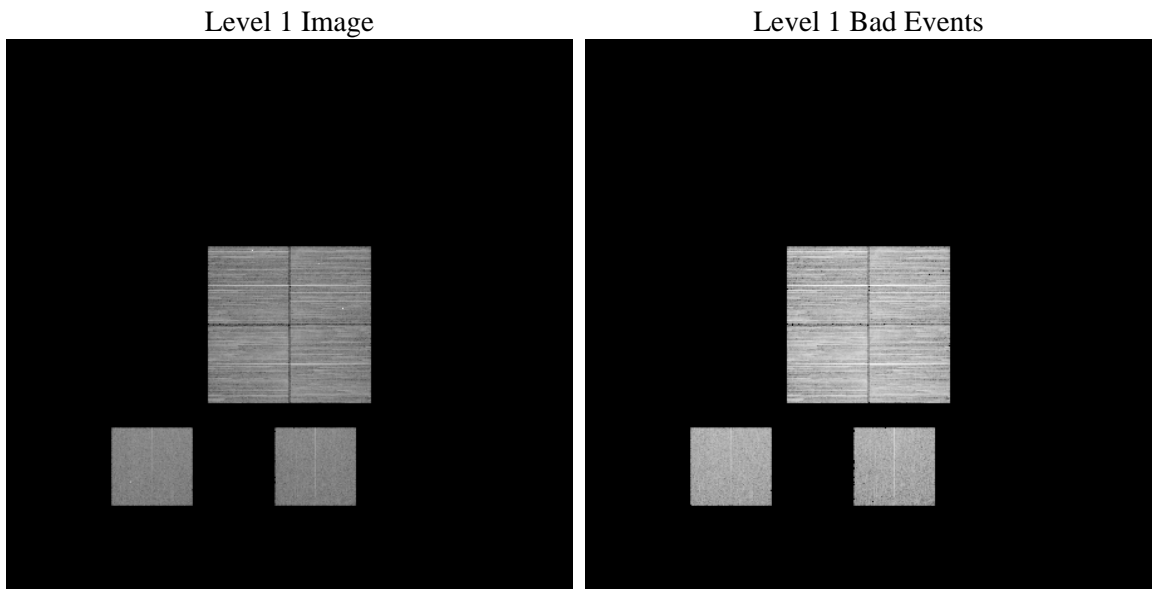
1 Front

seq_num	 	Sequence number
obs_id	53085	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	114.91626789881	Nominal RA [deg]
dec_nom	-5.0298911285834	Nominal Dec [deg]
roll_nom	164.4469920625	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8220.7999694347	Sum of GTIs [s]
livetime	8116.7032502503	Livetime [s]
ontime0	8220.7999694347	Sum of GTIs [s]
ontime1	8220.7999694347	Sum of GTIs [s]
ontime2	8220.7999694347	Sum of GTIs [s]
ontime3	8220.7999694347	Sum of GTIs [s]
ontime5	8220.7999694347	Sum of GTIs [s]
ontime7	8220.7999694347	Sum of GTIs [s]
l2events	205906	Number of level 2 events

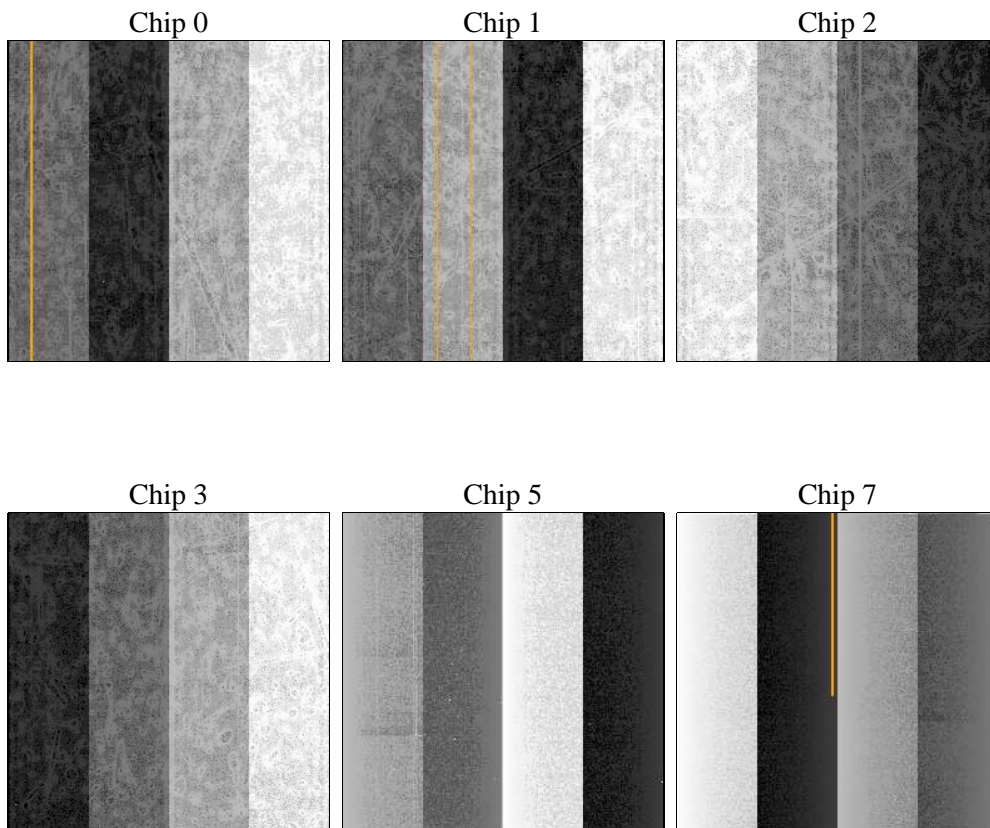
2 OBI

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	8220.7999694347	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	8220.7999694347	Sum of GTIs [s]
date	2014-01-17T19:57:16	Date and time of file creation	ontime1	8220.7999694347	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8220.7999694347	Sum of GTIs [s]
			ontime3	8220.7999694347	Sum of GTIs [s]
			ontime5	8220.7999694347	Sum of GTIs [s]
			ontime7	8220.7999694347	Sum of GTIs [s]
			l1events	868112	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	144911	154882	163656	161334	122851	120478	grade 0 events	14702	13020	14334	14295	3927	6667
rejected events	115931	124220	135737	133217	70105	68955		10%	8%	8%	8%	3%	5%
rejected %	80%	80%	82%	82%	57%	57%	grade 1 events	62	57	75	80	132	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	6251	9490	5668	5781	19851	12945
								4%	6%	3%	3%	16%	10%
							grade 3 events	1901	1768	1885	1964	1548	3874
								1%	1%	1%	1%	1%	3%
							grade 4 events	1803	1706	1847	1873	1510	3846
								1%	1%	1%	1%	1%	3%
							grade 5 events	2607	2571	2540	3011	5126	6777
								1%	1%	1%	1%	4%	5%
							grade 6 events	4526	4915	4422	4434	26313	24611
								3%	3%	2%	2%	21%	20%
							grade 7 events	113059	121355	132885	129896	64444	61677
								78%	78%	81%	80%	52%	51%

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	114.9162678988066
[deg] Pointing Dec	0	-5.029891128583445
[deg] Pointing Roll	0.0	164.4469920624985
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)	506328781.971314	506328781.971314
Observation start date	2014-01-17T06:53:02	2014-01-17T06:53:01
[s] Observation end time (MET)	506339168.953785	506339168.953785
Observation end date	2014-01-17T09:46:09	2014-01-17T09:46:08
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)	2014.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2207999694347

A.2 Comments