

V&V Reference Report

L2 ASCDS Version : 10.0.1

Observation 53407 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 12 2013

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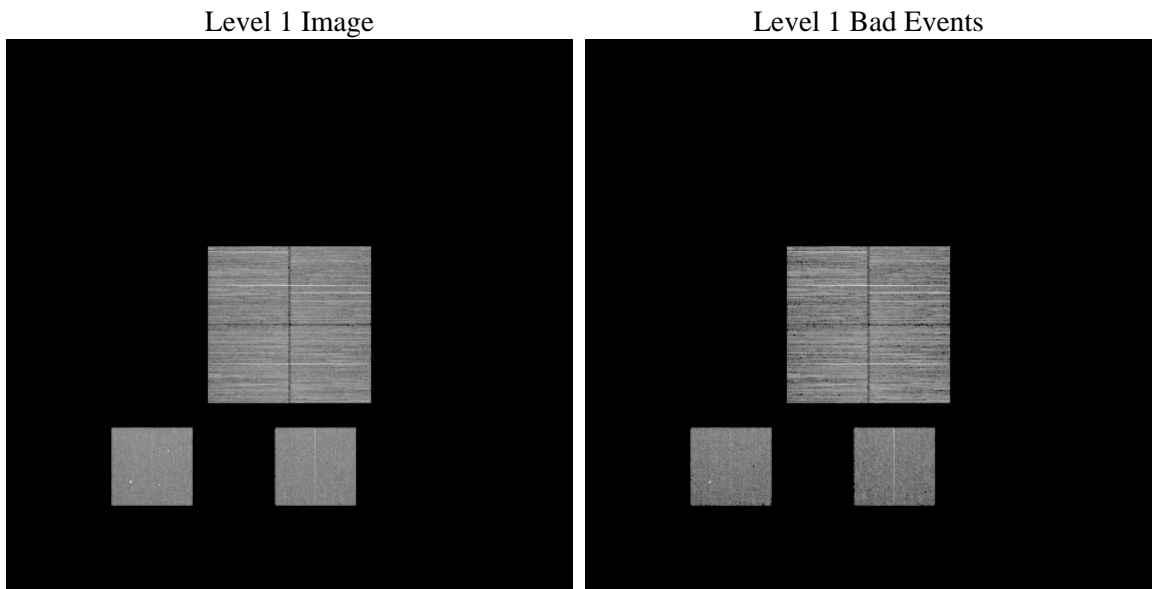
1 Front

seq_num	 	Sequence number
obs_id	53407	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	357.68394755699	Nominal RA [deg]
dec_nom	-15.242349668073	Nominal Dec [deg]
roll_nom	35.660282927547	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6982.0584236383	Sum of GTIs [s]
livetime	6893.6473957874	Livetime [s]
ontime0	6982.017383635	Sum of GTIs [s]
ontime1	6981.9763436317	Sum of GTIs [s]
ontime2	6978.6943332553	Sum of GTIs [s]
ontime3	6982.0994636416	Sum of GTIs [s]
ontime5	6981.8942636251	Sum of GTIs [s]
ontime7	6982.0584236383	Sum of GTIs [s]
l2events	211013	Number of level 2 events

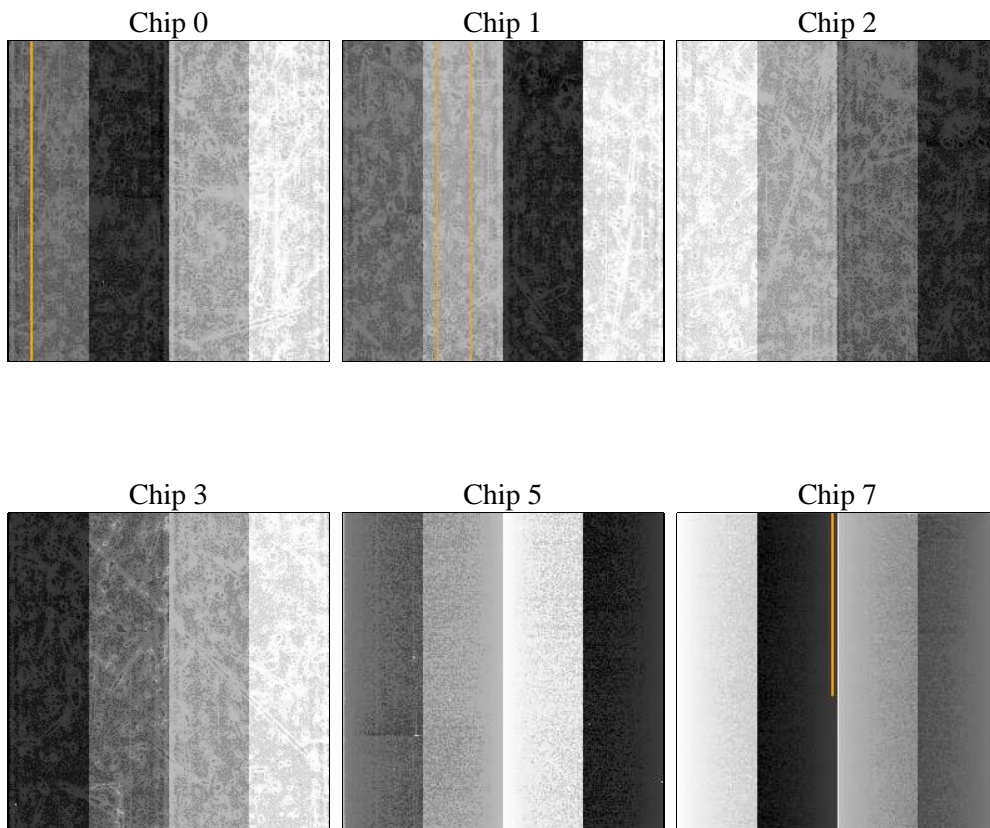
2 OBI

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	6982.0584236383	Sum of GTIs [s]
caldbver	4.5.8	 	ontime0	6982.017383635	Sum of GTIs [s]
date	2013-09-12T21:00:09	Date and time of file creation	ontime1	6981.9763436317	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6978.6943332553	Sum of GTIs [s]
			ontime3	6982.0994636416	Sum of GTIs [s]
			ontime5	6981.8942636251	Sum of GTIs [s]
			ontime7	6982.0584236383	Sum of GTIs [s]
			l1events	727688	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	126060	122333	125239	129353	116310	108393	grade 0 events	15583	15029	15766	16197	6973	8038
rejected events	95956	92401	95903	99112	62637	57795		12%	12%	12%	12%	5%	7%
rejected %	76%	75%	76%	76%	53%	53%	grade 1 events	82	75	80	89	120	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	6156	6498	5710	6062	20732	12777
								4%	5%	4%	4%	17%	11%
							grade 3 events	2044	1949	1954	2056	1974	4313
								1%	1%	1%	1%	1%	3%
							grade 4 events	2040	2012	2066	2092	1902	4339
								1%	1%	1%	1%	1%	4%
							grade 5 events	2501	2486	2209	2750	5153	6393
								1%	2%	1%	2%	4%	5%
							grade 6 events	5189	5408	4796	4868	23547	22595
								4%	4%	3%	3%	20%	20%
							grade 7 events	92465	88876	92658	95239	55909	49846
								73%	72%	73%	73%	48%	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	357.6839475569878
[deg] Pointing Dec	0	-15.24234966807341
[deg] Pointing Roll	0.0	35.66028292754748
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)	495326060.318487	495326060.318487
Observation start date	2013-09-11T22:34:20	2013-09-11T22:34:20
[s] Observation end time (MET)	495334079.228695	495334079.228695
Observation end date	2013-09-12T00:47:59	2013-09-12T00:47:59
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)	2013.09.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.9820584236383

A.2 Comments