

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 53076 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 23 2014

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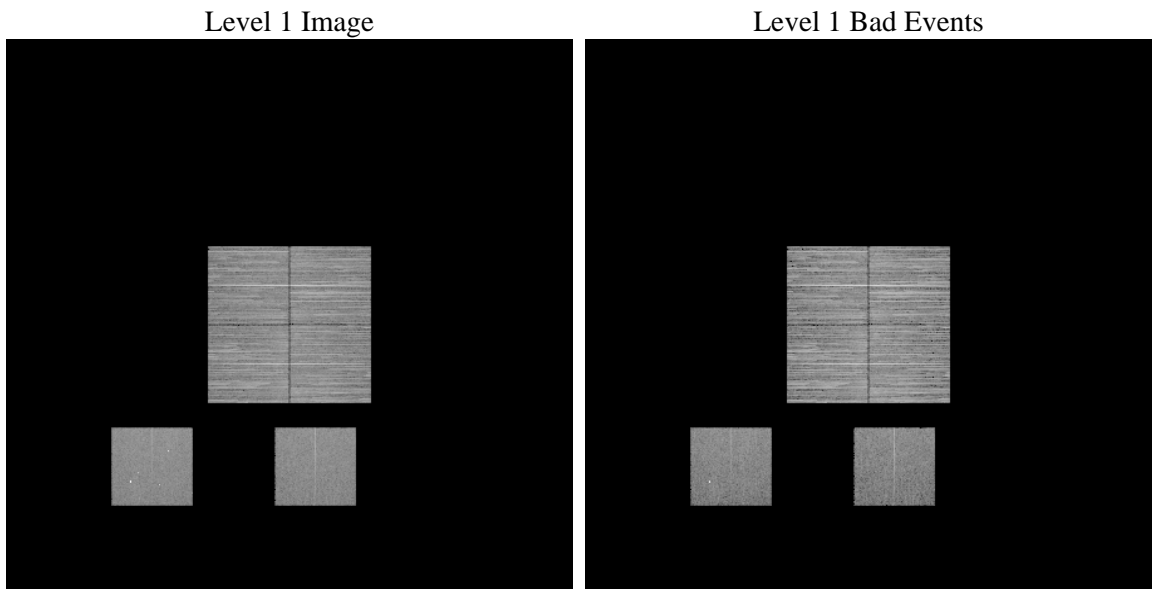
1 Front

seq_num	 	Sequence number
obs_id	53076	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	231.61331731495	Nominal RA [deg]
dec_nom	-60.076675211389	Nominal Dec [deg]
roll_nom	98.531176165228	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8146.4560242891	Sum of GTIs [s]
livetime	8043.3006929027	Livetime [s]
ontime0	8146.4149842858	Sum of GTIs [s]
ontime1	8146.3739442825	Sum of GTIs [s]
ontime2	8146.3329042792	Sum of GTIs [s]
ontime3	8146.4970642924	Sum of GTIs [s]
ontime5	8146.2918642759	Sum of GTIs [s]
ontime7	8146.4560242891	Sum of GTIs [s]
l2events	208429	Number of level 2 events

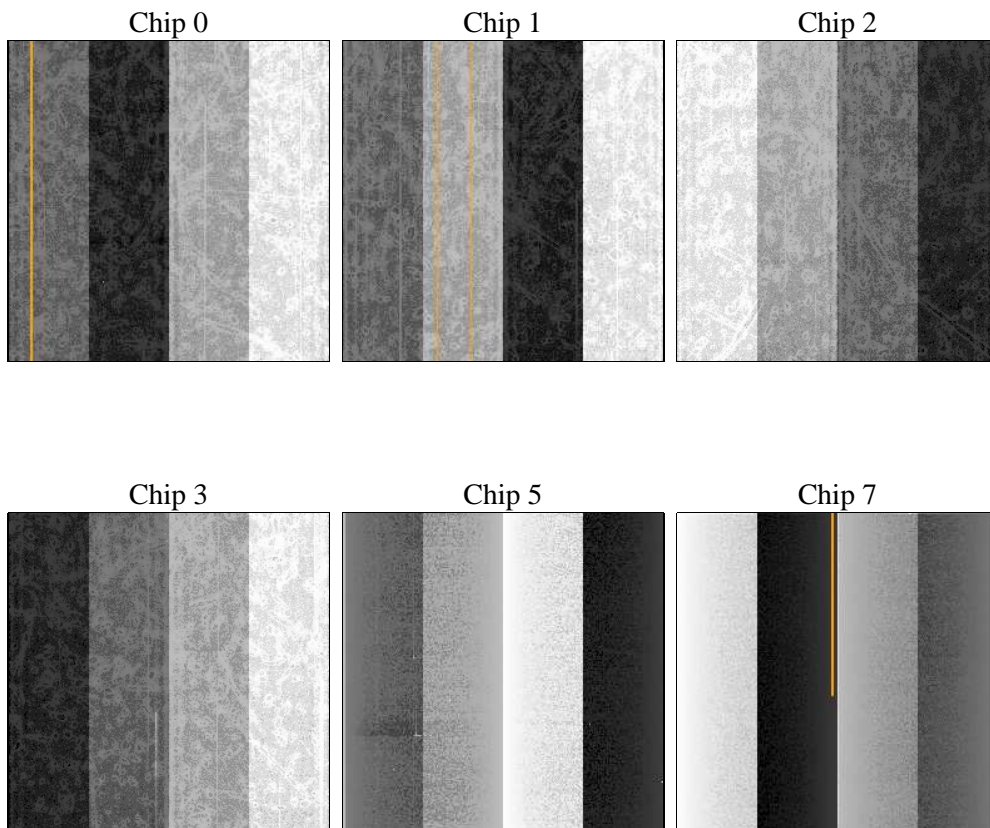
2 OBI

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	8146.4560242891	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	8146.4149842858	Sum of GTIs [s]
date	2014-01-23T20:51:08	Date and time of file creation	ontime1	8146.3739442825	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8146.3329042792	Sum of GTIs [s]
			ontime3	8146.4970642924	Sum of GTIs [s]
			ontime5	8146.2918642759	Sum of GTIs [s]
			ontime7	8146.4560242891	Sum of GTIs [s]
			l1events	828370	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	139222	148166	146687	147092	128801	118402	grade 0 events	14301	13913	14716	14546	7242	7414
rejected events	111573	120346	118822	119437	70588	65911		10%	9%	10%	9%	5%	6%
rejected %	80%	81%	81%	81%	54%	55%	grade 1 events	76	69	87	80	94	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	5539	5847	5504	5561	22040	13174
								3%	3%	3%	3%	17%	11%
							grade 3 events	1976	1913	1985	1906	2223	4538
								1%	1%	1%	1%	1%	3%
							grade 4 events	1860	1934	2014	1943	2106	4282
								1%	1%	1%	1%	1%	3%
							grade 5 events	2733	2835	2651	3131	6237	7466
								1%	1%	1%	2%	4%	6%
							grade 6 events	4400	4697	4119	4190	25611	23971
								3%	3%	2%	2%	19%	20%
							grade 7 events	108337	116958	115611	115735	63248	57468
								77%	78%	78%	78%	49%	48%

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	231.6133173149536
[deg] Pointing Dec	0	-60.07667521138887
[deg] Pointing Roll	0.0	98.53117616522752
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)	506751863.044596	506751863.044596
Observation start date	2014-01-22T04:24:23	2014-01-22T04:24:23
[s] Observation end time (MET)	506761947.853851	506761947.853851
Observation end date	2014-01-22T07:12:28	2014-01-22T07:12:27
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1464560242891

A.2 Comments