

V&V Reference Report

L2 ASCDS Version : 10

Observation 53564 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 11 2013

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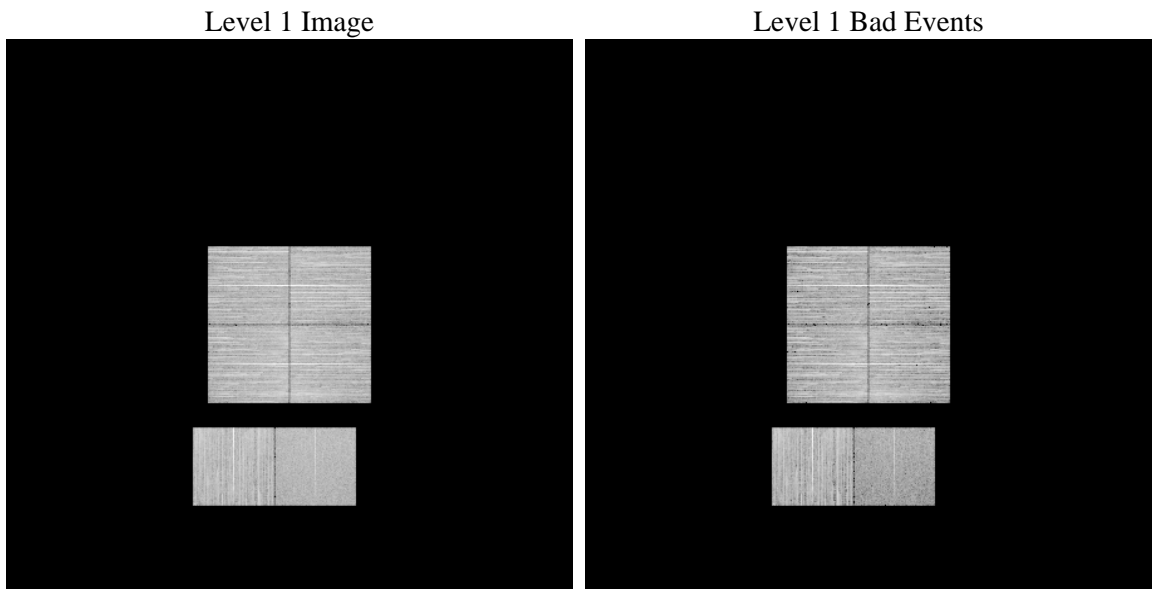
1 Front

seq_num	 	Sequence number
obs_id	53564	Observation id
title	ACIS-012367 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	92.321018629581	Nominal RA [deg]
dec_nom	10.96963814372	Nominal Dec [deg]
roll_nom	98.107639472386	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7912.7680469751	Sum of GTIs [s]
livetime	7812.5718134674	Livetime [s]
ontime0	7912.7270069718	Sum of GTIs [s]
ontime1	7912.6859669685	Sum of GTIs [s]
ontime2	7912.6449269652	Sum of GTIs [s]
ontime3	7912.8090869784	Sum of GTIs [s]
ontime6	7912.6038869619	Sum of GTIs [s]
ontime7	7912.7680469751	Sum of GTIs [s]
l2events	192250	Number of level 2 events

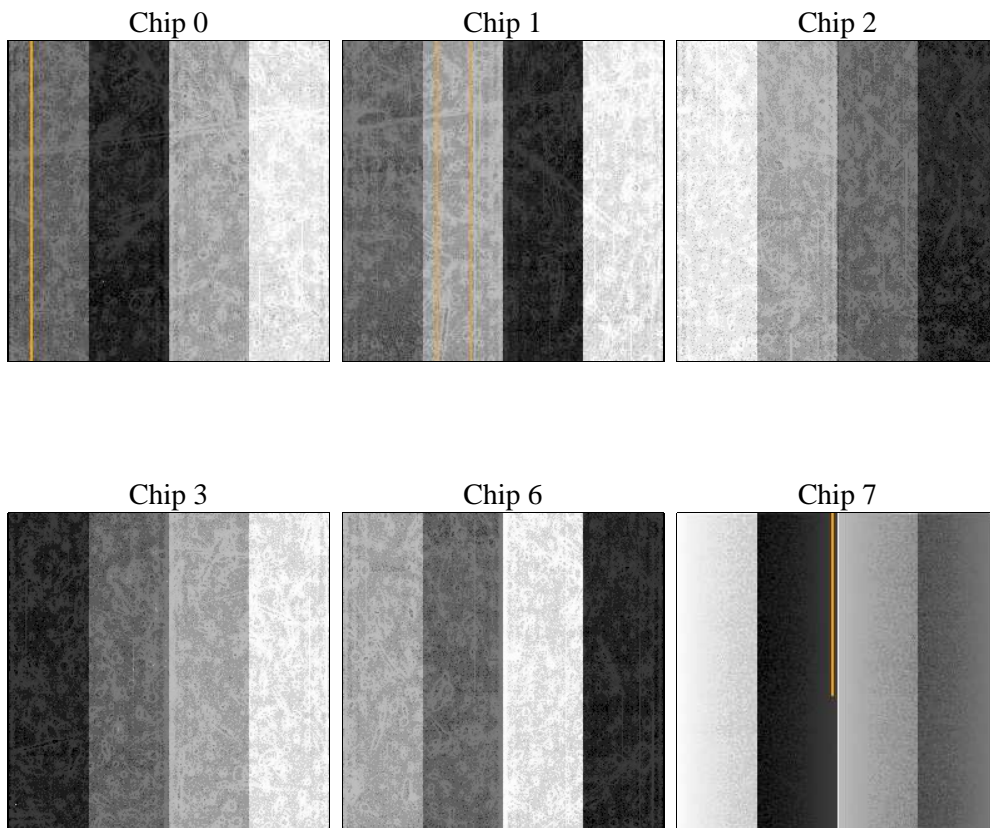
2 OBI

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	7912.7680469751	Sum of GTIs [s]
caldsver	4.5.7	 	ontime0	7912.7270069718	Sum of GTIs [s]
date	2013-07-11T06:53:50	Date and time of file creation	ontime1	7912.6859669685	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7912.6449269652	Sum of GTIs [s]
			ontime3	7912.8090869784	Sum of GTIs [s]
			ontime6	7912.6038869619	Sum of GTIs [s]
			ontime7	7912.7680469751	Sum of GTIs [s]
			l1events	808746	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	135298	138647	141955	138110	139854	114882	grade 0 events	15529	15329	15880	15890	15929	8146
rejected events	105542	108664	112320	108363	108586	61703		11%	11%	11%	11%	11%	7%
rejected %	78%	78%	79%	78%	77%	53%	grade 1 events	78	75	78	74	67	71
								0%	0%	0%	0%	0%	0%
							grade 2 events	6052	6346	5789	5865	6365	13310
								4%	4%	4%	4%	4%	11%
							grade 3 events	2049	2097	2052	2080	2069	4506
								1%	1%	1%	1%	1%	3%
							grade 4 events	2054	2004	2032	2051	2068	4480
								1%	1%	1%	1%	1%	3%
							grade 5 events	2630	2727	2550	2855	2741	6922
								1%	1%	1%	2%	1%	6%
							grade 6 events	4720	4811	4497	4476	5514	23894
								3%	3%	3%	3%	3%	20%
							grade 7 events	102186	105258	109077	104819	105101	53553
								75%	75%	76%	75%	75%	46%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	92.32101862958055
[deg] Pointing Dec	0	10.96963814371986
[deg] Pointing Roll	0.0	98.10763947238608
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)	489872941.121246	489872941.121246
Observation start date	2013-07-10T19:49:01	2013-07-10T19:49:01
[s] Observation end time (MET)	489884866.511944	489884866.511944
Observation end date	2013-07-10T23:07:47	2013-07-10T23:07:46
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)	2013.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9127680469751

A.2 Comments