

V&V Reference Report

L2 ASCDS Version : 10

Observation 53597 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 2 2013

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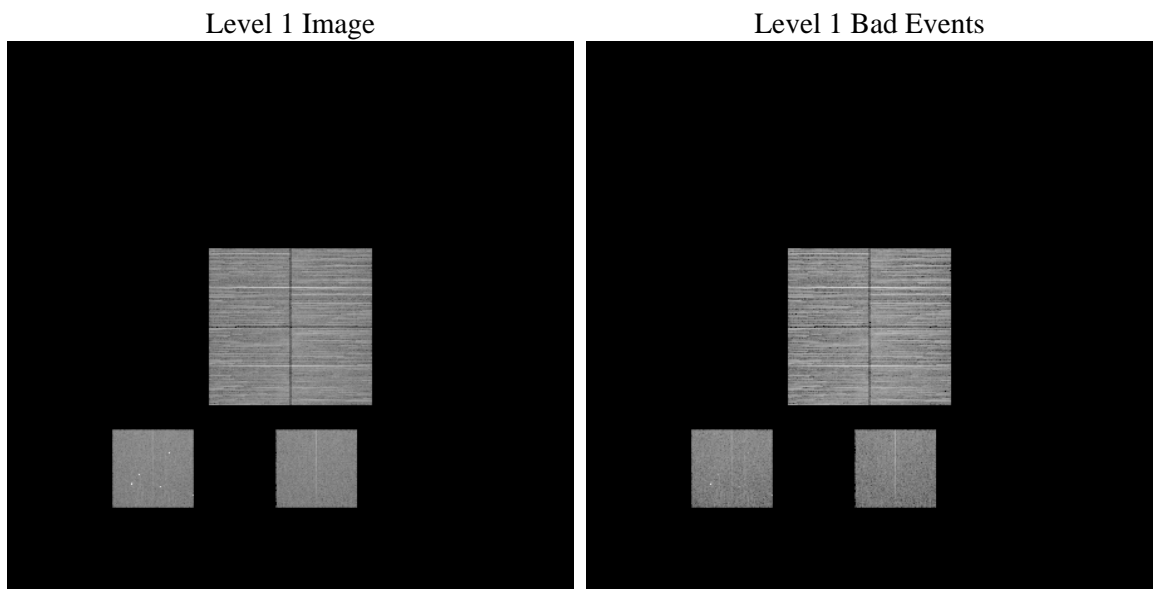
1 Front

seq_num	 	Sequence number
obs_id	53597	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	260.01861182535	Nominal RA [deg]
dec_nom	-39.33571391894	Nominal Dec [deg]
roll_nom	244.09018861654	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8097.6904773116	Sum of GTIs [s]
livetime	7995.1526446441	Livetime [s]
ontime0	8097.6494373083	Sum of GTIs [s]
ontime1	8097.608397305	Sum of GTIs [s]
ontime2	8097.5673573017	Sum of GTIs [s]
ontime3	8097.7315173149	Sum of GTIs [s]
ontime5	8097.5263172984	Sum of GTIs [s]
ontime7	8097.6904773116	Sum of GTIs [s]
l2events	228019	Number of level 2 events

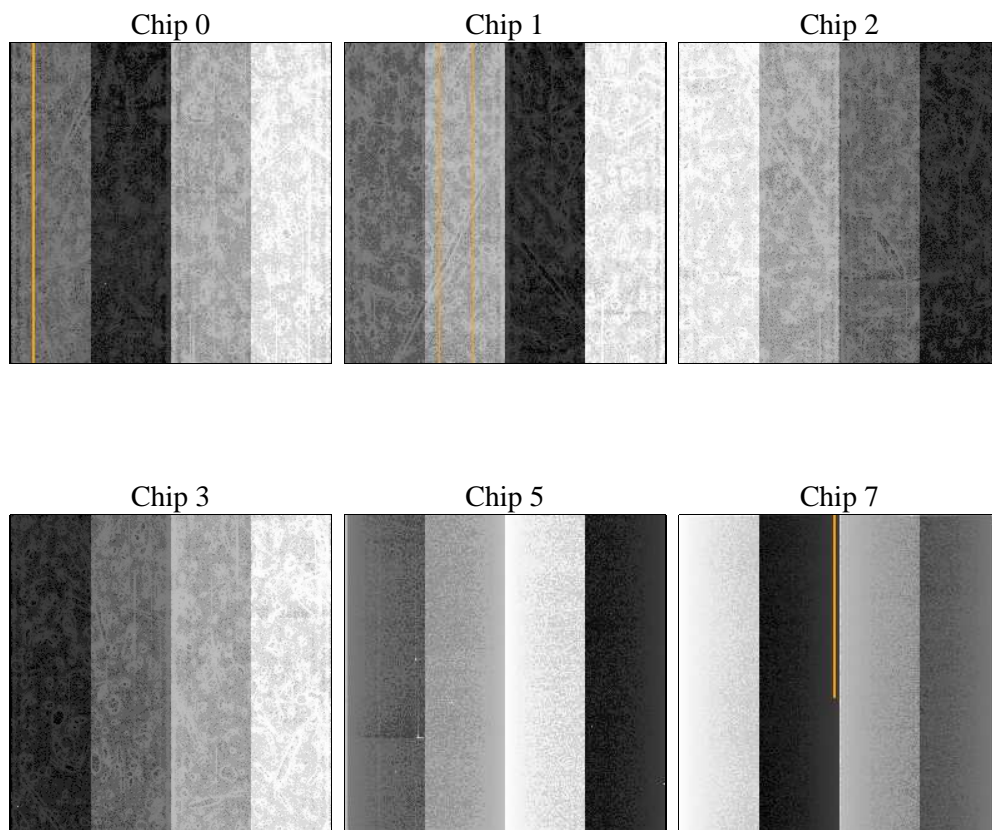
2 OBI

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	8097.6904773116	Sum of GTIs [s]
caldsver	4.5.7	 	ontime0	8097.6494373083	Sum of GTIs [s]
date	2013-07-03T03:27:53	Date and time of file creation	ontime1	8097.608397305	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8097.5673573017	Sum of GTIs [s]
			ontime3	8097.7315173149	Sum of GTIs [s]
			ontime5	8097.5263172984	Sum of GTIs [s]
			ontime7	8097.6904773116	Sum of GTIs [s]
			l1events	881915	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	148421	160783	151617	162166	135891	123037	grade 0 events	16157	15850	16677	16953	10224	8646
rejected events	117312	129694	120457	130670	73001	66485		10%	9%	10%	10%	7%	7%
rejected %	79%	80%	79%	80%	53%	54%	grade 1 events	84	69	84	108	218	98
								0%	0%	0%	0%	0%	0%
							grade 2 events	6373	6559	6157	6043	23009	14156
								4%	4%	4%	3%	16%	11%
							grade 3 events	2228	2178	2173	2273	2226	4790
								1%	1%	1%	1%	1%	3%
							grade 4 events	2078	2143	2099	2198	2094	4785
								1%	1%	1%	1%	1%	3%
							grade 5 events	2860	2874	2512	3066	6440	7394
								1%	1%	1%	1%	4%	6%
							grade 6 events	5012	5131	4828	4809	26963	25480
								3%	3%	3%	2%	19%	20%
							grade 7 events	113629	125979	117087	126716	64717	57688
								76%	78%	77%	78%	47%	46%

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	260.018611825354
[deg] Pointing Dec	0	-39.33571391894006
[deg] Pointing Roll	0.0	244.0901886165382
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)	489157374.23237	489157374.23237
Observation start date	2013-07-02T13:02:54	2013-07-02T13:02:54
[s] Observation end time (MET)	489166397.447261	489166397.447261
Observation end date	2013-07-02T15:33:17	2013-07-02T15:33:17
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)	2013.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0976904773116

A.2 Comments