

V&V Reference Report

L2 ASCDS Version : 10

Observation 53540 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 21 2013

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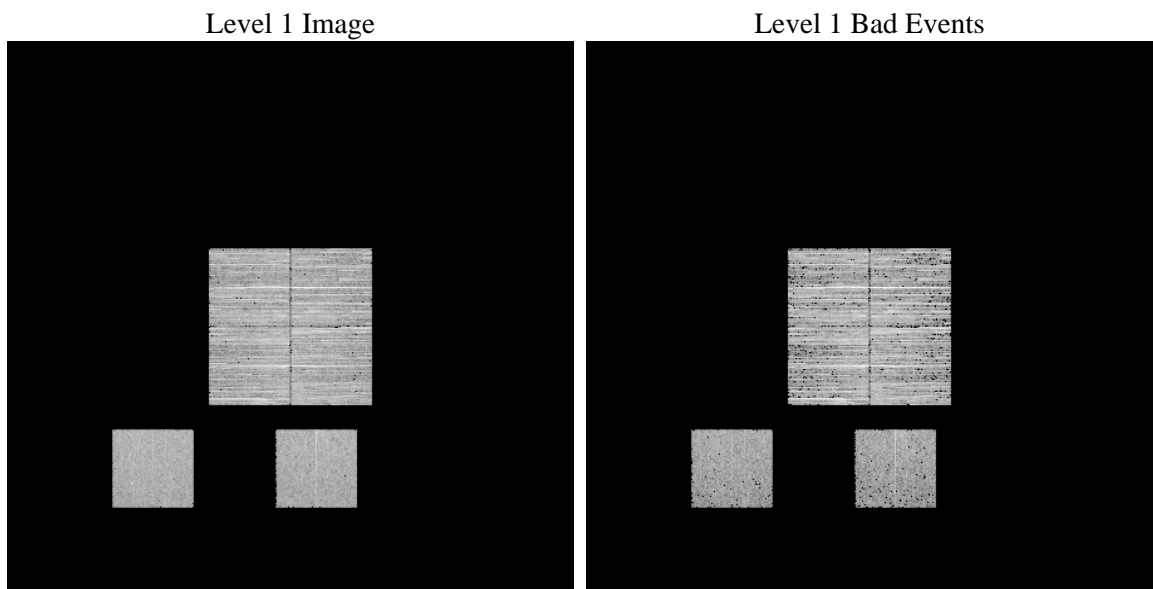
1 Front

seq_num	 	Sequence number
obs_id	53540	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	329.98370227363	Nominal RA [deg]
dec_nom	-23.975571210166	Nominal Dec [deg]
roll_nom	88.345644641593	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3283.1999878287	Sum of GTIs [s]
livetime	3241.6261326772	Livetime [s]
ontime0	3283.1999878287	Sum of GTIs [s]
ontime1	3283.1999878287	Sum of GTIs [s]
ontime2	3279.9589869976	Sum of GTIs [s]
ontime3	3283.1999878287	Sum of GTIs [s]
ontime5	3283.1999878287	Sum of GTIs [s]
ontime7	3283.1999878287	Sum of GTIs [s]
l2events	89905	Number of level 2 events

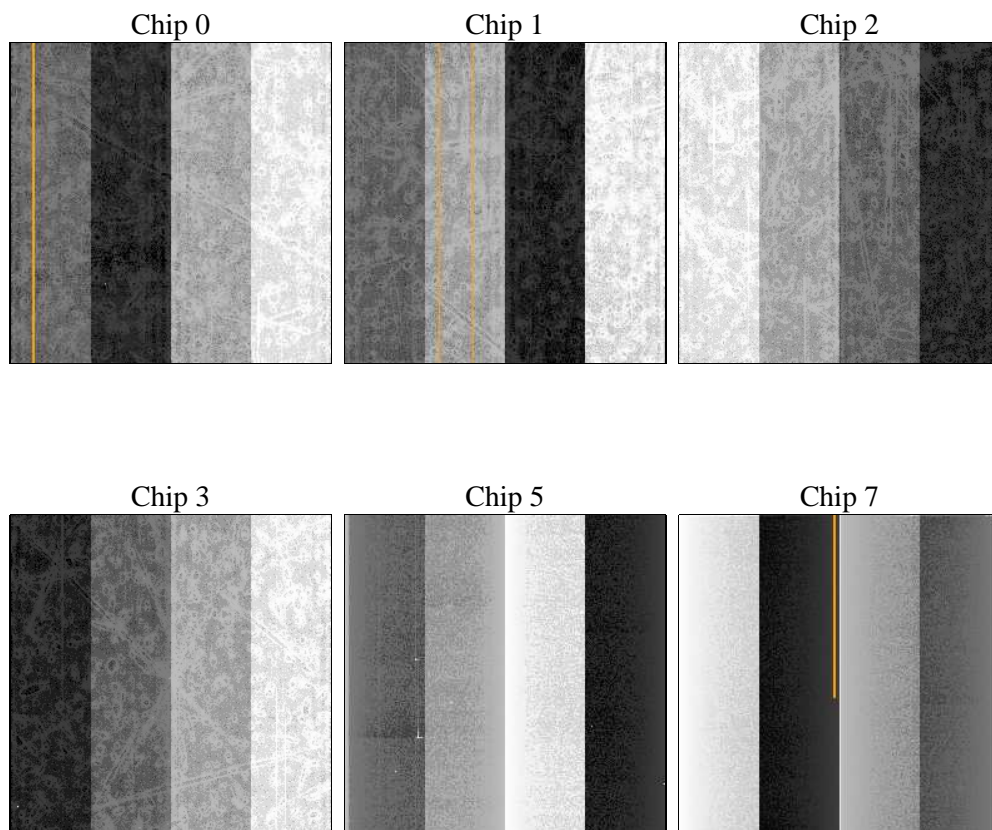
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	3283.1999878287	Sum of GTIs [s]
caldbver	4.5.7	 	ontime0	3283.1999878287	Sum of GTIs [s]
date	2013-07-21T20:38:43	Date and time of file creation	ontime1	3283.1999878287	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3279.9589869976	Sum of GTIs [s]
			ontime3	3283.1999878287	Sum of GTIs [s]
			ontime5	3283.1999878287	Sum of GTIs [s]
			ontime7	3283.1999878287	Sum of GTIs [s]
			l1events	346776	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	61357	59841	63544	62445	50637	48952	grade 0 events	6210	5675	6382	6451	1967	3151
rejected events	49039	47579	51237	50162	27712	26556		10%	9%	10%	10%	3%	6%
rejected %	79%	79%	80%	80%	54%	54%	grade 1 events	38	25	32	31	46	30
								0%	0%	0%	0%	0%	0%
							grade 2 events	2534	2947	2441	2353	8685	5517
								4%	4%	3%	3%	17%	11%
							grade 3 events	795	764	839	791	696	1712
								1%	1%	1%	1%	1%	3%
							grade 4 events	818	793	808	871	723	1715
								1%	1%	1%	1%	1%	3%
							grade 5 events	1188	1133	1062	1229	2113	2697
								1%	1%	1%	1%	4%	5%
							grade 6 events	1973	2098	1848	1829	10871	10327
								3%	3%	2%	2%	21%	21%
							grade 7 events	47801	46406	50132	48890	25536	23803
								77%	77%	78%	78%	50%	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	329.9837022736308
[deg] Pointing Dec	0	-23.97557121016576
[deg] Pointing Roll	0.0	88.3456446415925
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	490783862.770891	490783861.74589
Observation start date	2013-07-21T08:51:03	2013-07-21T08:51:01
[s] Observation end time (MET)	490791884.421328	490791883.39633
Observation end date	2013-07-21T11:04:44	2013-07-21T11:04:43
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.07.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2831999878287

A.2 Comments