

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53180 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 6 2013

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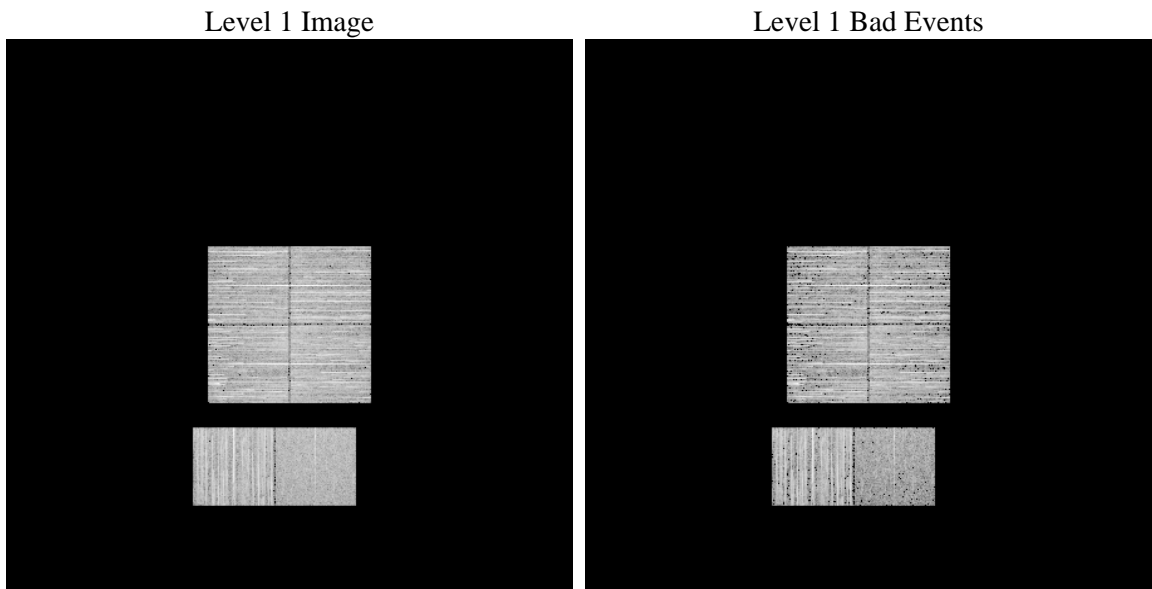
1 Front

seq_num	 	Sequence number
obs_id	53180	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	303.64336101363	Nominal RA [deg]
dec_nom	-11.017374016946	Nominal Dec [deg]
roll_nom	290.19497169963	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3854.5361282229	Sum of GTIs [s]
livetime	3805.7276708444	Livetime [s]
ontime0	3854.4950882196	Sum of GTIs [s]
ontime1	3854.4540482163	Sum of GTIs [s]
ontime2	3854.413008213	Sum of GTIs [s]
ontime3	3854.5771682262	Sum of GTIs [s]
ontime6	3854.3719682097	Sum of GTIs [s]
ontime7	3854.5361282229	Sum of GTIs [s]
l2events	87870	Number of level 2 events

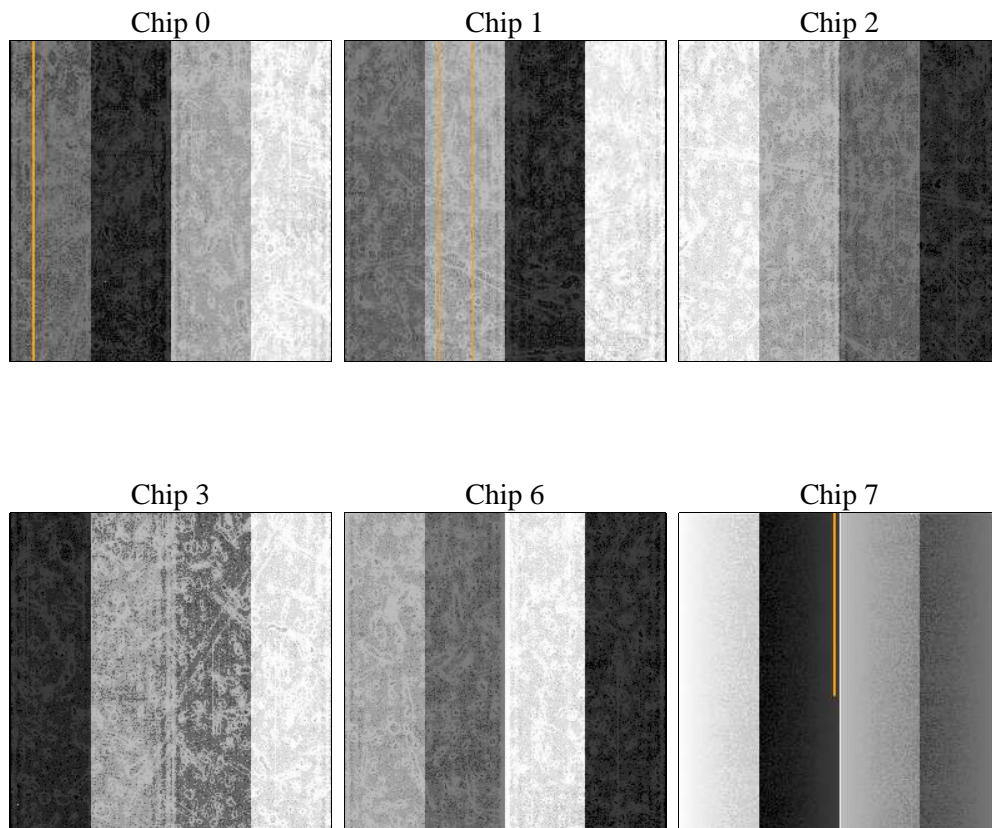
2 OBI

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	10.1.1	Processing system revision	ontime	3854.5361282229	Sum of GTIs [s]
caldsver	4.5.9	 	ontime0	3854.4950882196	Sum of GTIs [s]
date	2013-12-06T12:24:50	Date and time of file creation	ontime1	3854.4540482163	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3854.413008213	Sum of GTIs [s]
			ontime3	3854.5771682262	Sum of GTIs [s]
			ontime6	3854.3719682097	Sum of GTIs [s]
			ontime7	3854.5361282229	Sum of GTIs [s]
			l1events	399542	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	64454	68452	68607	69000	73287	55742	grade 0 events	6773	6501	7101	6971	6811	3566
rejected events	51064	55015	55121	55632	59263	30272		10%	9%	10%	10%	9%	6%
rejected %	79%	80%	80%	80%	80%	54%	grade 1 events	30	27	39	38	37	30
								0%	0%	0%	0%	0%	0%
							grade 2 events	2759	2756	2555	2548	2927	6168
								4%	4%	3%	3%	3%	11%
							grade 3 events	916	912	899	885	921	2093
								1%	1%	1%	1%	1%	3%
							grade 4 events	888	967	930	953	946	2178
								1%	1%	1%	1%	1%	3%
							grade 5 events	1257	1339	1122	1366	1345	3349
								1%	1%	1%	1%	1%	6%
							grade 6 events	2066	2311	2010	2018	2430	11481
								3%	3%	2%	2%	3%	20%
							grade 7 events	49765	53639	53951	54221	57870	26877
								77%	78%	78%	78%	78%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	303.6433610136263	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-11.01737401694641	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	290.1949716996273	[s] Primary exposure time	3.2	3.2
[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)	502669671.170388	502669670.14539			
Observation start date	2013-12-05T22:27:51	2013-12-05T22:27:50			
[s] Observation end time (MET)	502675413.220703	502675412.1957			
Observation end date	2013-12-06T00:03:33	2013-12-06T00:03:32			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.8545361282229

A.2 Comments