

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53211 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 23 2013

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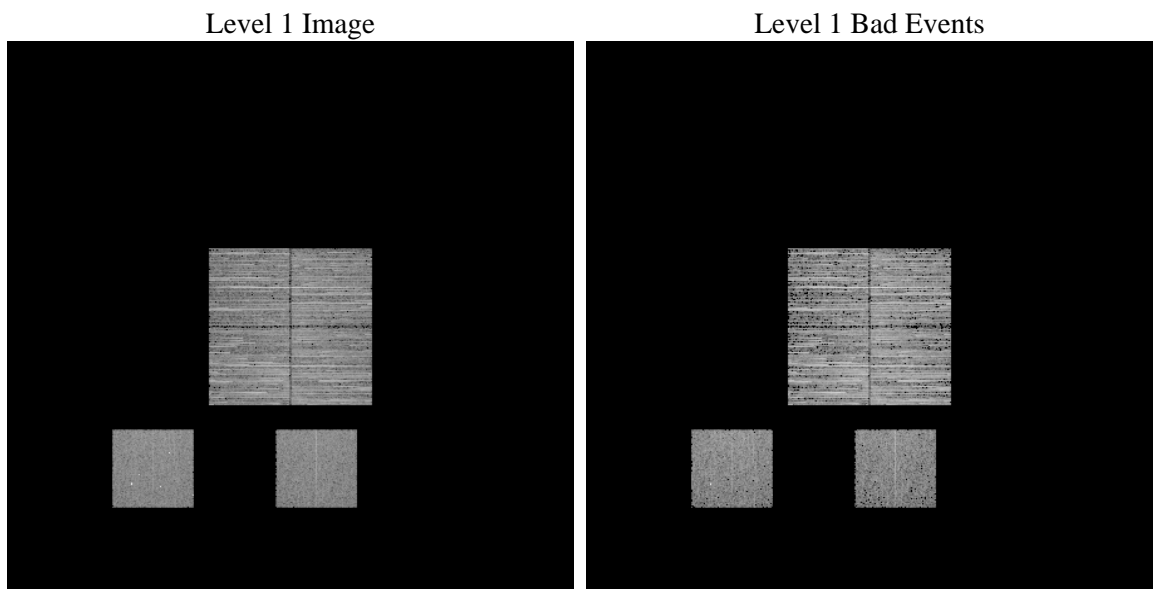
1 Front

seq_num	 	Sequence number
obs_id	53211	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	60.971217246842	Nominal RA [deg]
dec_nom	-7.0043517336908	Nominal Dec [deg]
roll_nom	5.8613656984466	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3289.4590426087	Sum of GTIs [s]
livetime	3247.8059315368	Livetime [s]
ontime0	3289.4180026054	Sum of GTIs [s]
ontime1	3289.3769626021	Sum of GTIs [s]
ontime2	3289.3359225988	Sum of GTIs [s]
ontime3	3289.500082612	Sum of GTIs [s]
ontime5	3289.2948825955	Sum of GTIs [s]
ontime7	3289.4590426087	Sum of GTIs [s]
l2events	86758	Number of level 2 events

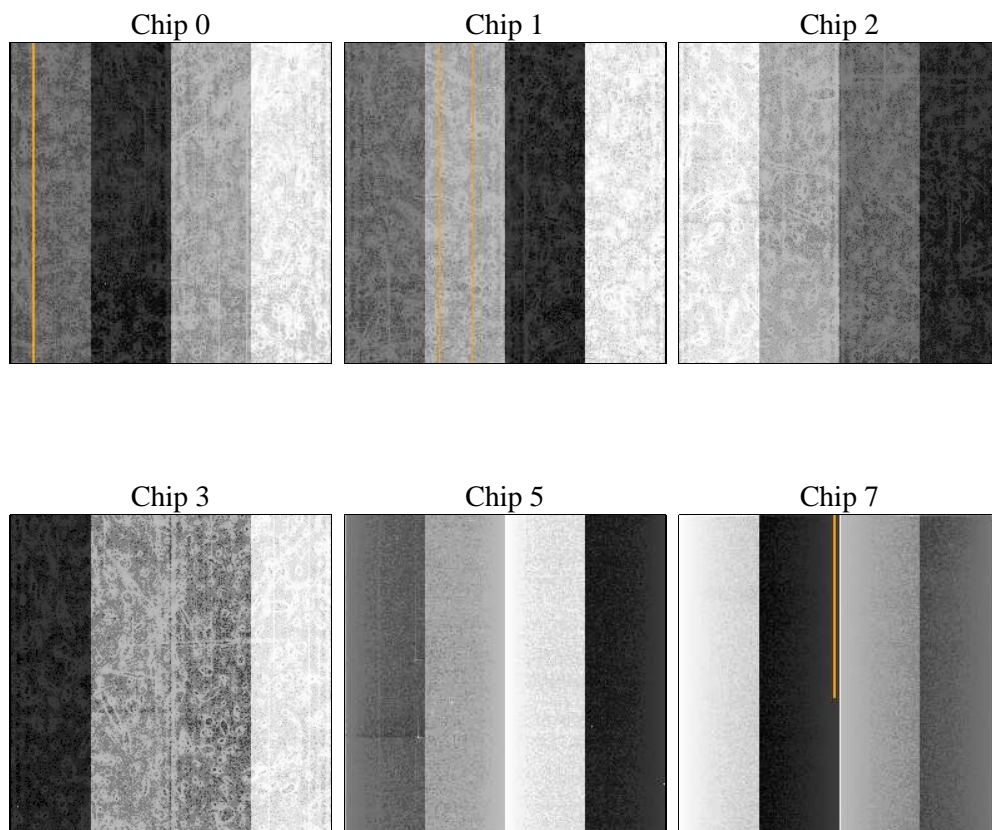
2 OBI

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	3289.4590426087	Sum of GTIs [s]
caldsver	4.5.9	 	ontime0	3289.4180026054	Sum of GTIs [s]
date	2013-11-23T06:03:11	Date and time of file creation	ontime1	3289.3769626021	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3289.3359225988	Sum of GTIs [s]
			ontime3	3289.500082612	Sum of GTIs [s]
			ontime5	3289.2948825955	Sum of GTIs [s]
			ontime7	3289.4590426087	Sum of GTIs [s]
			l1events	342828	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	54281	59421	62633	65197	53350	47946	grade 0 events	5829	5581	6097	5948	3361	3129
rejected events	42750	48057	50846	53741	28624	25919		10%	9%	9%	9%	6%	6%
rejected %	78%	80%	81%	82%	53%	54%	grade 1 events	32	31	40	35	75	32
								0%	0%	0%	0%	0%	0%
							grade 2 events	2340	2367	2278	2241	9049	5360
								4%	3%	3%	3%	16%	11%
							grade 3 events	802	758	835	729	839	1843
								1%	1%	1%	1%	1%	3%
							grade 4 events	775	763	814	821	806	1830
								1%	1%	1%	1%	1%	3%
							grade 5 events	1142	1124	1028	1248	2397	3004
								2%	1%	1%	1%	4%	6%
							grade 6 events	1785	1895	1763	1717	10671	9865
								3%	3%	2%	2%	20%	20%
							grade 7 events	41576	46902	49778	52458	26152	22883
								76%	78%	79%	80%	49%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	60.971217246842	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-7.004351733690841	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	5.861365698446614	[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)	501526494.757733	501526493.73273			
Observation start date	2013-11-22T16:54:55	2013-11-22T16:54:53			
[s] Observation end time (MET)	501533946.508141	501533945.48314			
Observation end date	2013-11-22T18:59:07	2013-11-22T18:59:05			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.11.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2894590426087

A.2 Comments