

V&V Reference Report

L2 ASCDS Version : 10.0.1

Observation 53339 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 6 2013

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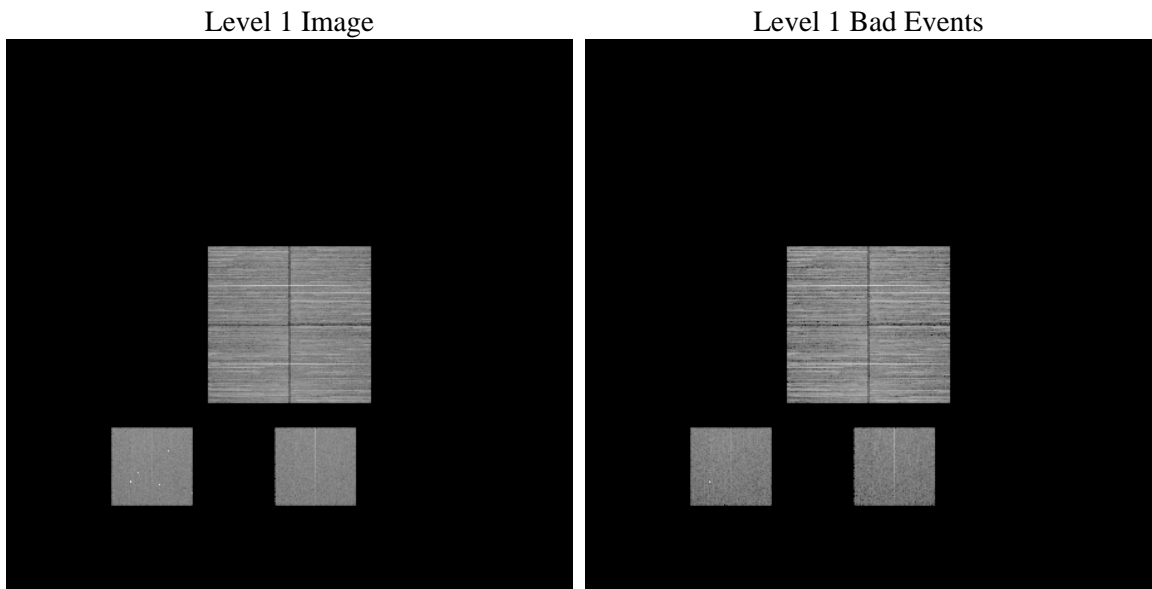
1 Front

seq_num	 	Sequence number
obs_id	53339	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	20.490712077691	Nominal RA [deg]
dec_nom	21.686885228431	Nominal Dec [deg]
roll_nom	151.14211434352	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8284.7408630252	Sum of GTIs [s]
livetime	8179.8344857455	Livetime [s]
ontime0	8284.6998230219	Sum of GTIs [s]
ontime1	8284.6587830186	Sum of GTIs [s]
ontime2	8284.6177430153	Sum of GTIs [s]
ontime3	8284.7819030285	Sum of GTIs [s]
ontime5	8284.576703012	Sum of GTIs [s]
ontime7	8284.7408630252	Sum of GTIs [s]
l2events	232000	Number of level 2 events

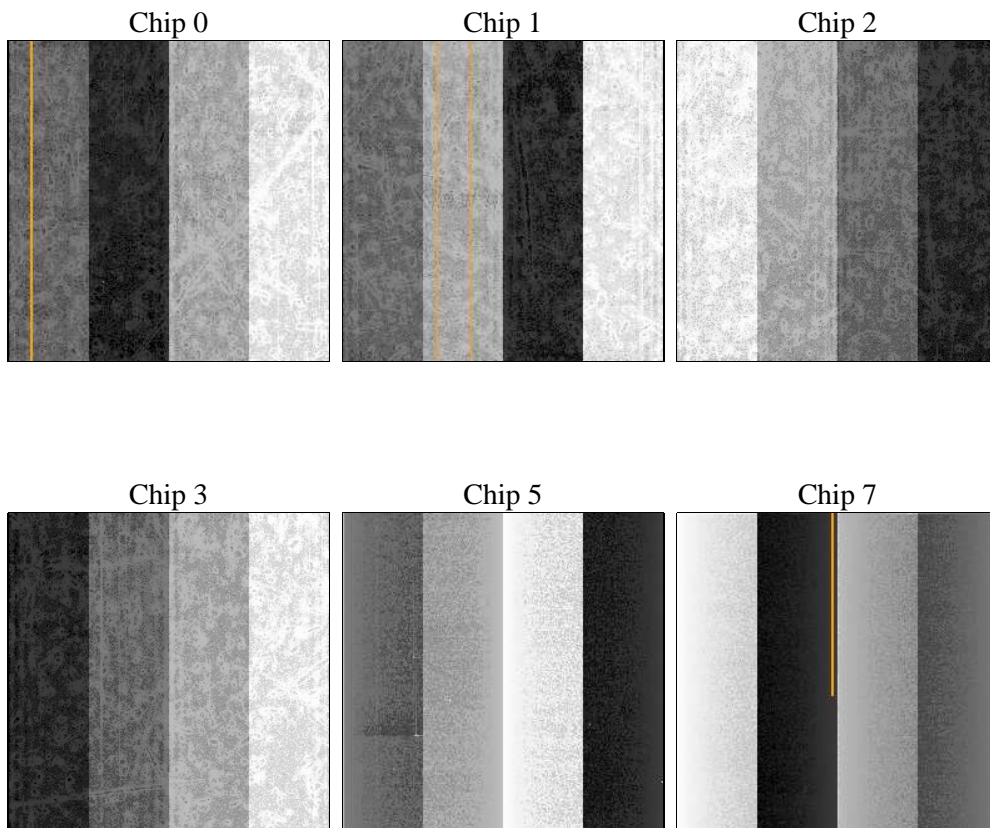
2 OBI

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	8284.7408630252	Sum of GTIs [s]
caldsver	4.5.8	 	ontime0	8284.6998230219	Sum of GTIs [s]
date	2013-10-06T14:06:58	Date and time of file creation	ontime1	8284.6587830186	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8284.6177430153	Sum of GTIs [s]
			ontime3	8284.7819030285	Sum of GTIs [s]
			ontime5	8284.576703012	Sum of GTIs [s]
			ontime7	8284.7408630252	Sum of GTIs [s]
			l1events	873595	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	151494	156331	152594	152694	136441	124041	grade 0 events	16002	15321	16497	16721	10458	8555
rejected events	119968	124710	120794	120727	71690	66431		10%	9%	10%	10%	7%	6%
rejected %	79%	79%	79%	79%	52%	53%	grade 1 events	81	77	88	86	142	77
								0%	0%	0%	0%	0%	0%
							grade 2 events	6355	6768	6099	5905	22848	13940
								4%	4%	3%	3%	16%	11%
							grade 3 events	2108	2143	2218	2259	2322	4824
								1%	1%	1%	1%	1%	3%
							grade 4 events	2050	2052	2167	2124	2206	4694
								1%	1%	1%	1%	1%	3%
							grade 5 events	2837	2979	2655	3134	6513	7623
								1%	1%	1%	2%	4%	6%
							grade 6 events	5040	5362	4839	4973	26952	25621
								3%	3%	3%	3%	19%	20%
							grade 7 events	117021	121629	118031	117492	65000	58707
								77%	77%	77%	76%	47%	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	20.49071207769083	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	21.68688522843118	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	151.1421143435187	[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)	497381759.430783	497381758.40578			
Observation start date	2013-10-05T17:35:59	2013-10-05T17:35:58			
[s] Observation end time (MET)	497392622.381376	497392621.35638			
Observation end date	2013-10-05T20:37:02	2013-10-05T20:37:01			
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)	2013.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2847408630252

A.2 Comments