

V&V Reference Report

L2 ASCDS Version : 10

Observation 53517 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 29 2013

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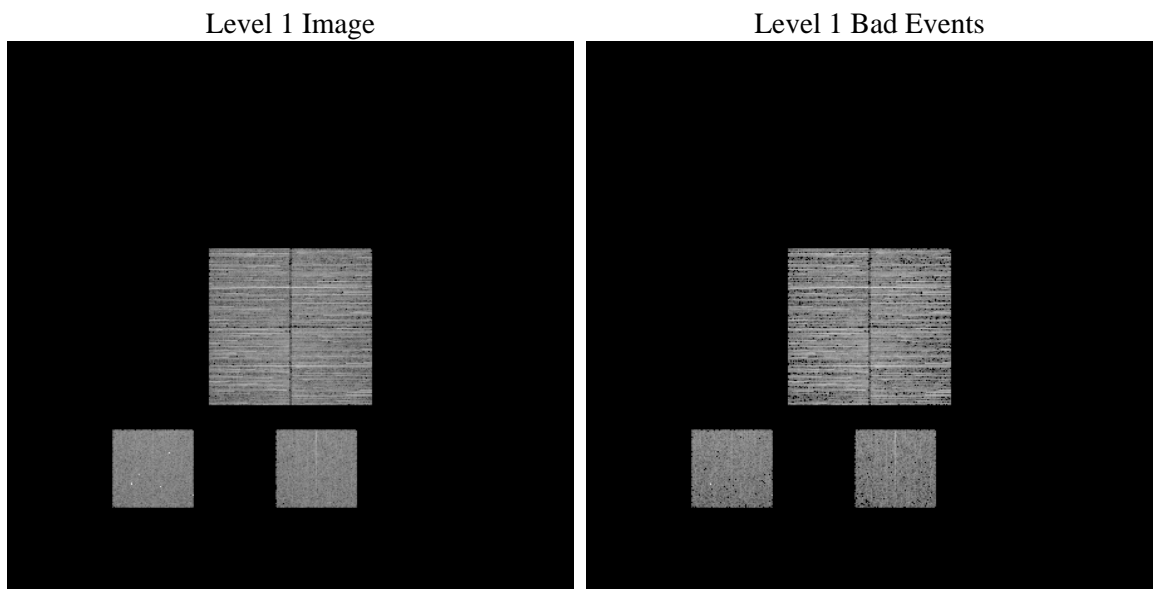
1 Front

seq_num	 	Sequence number
obs_id	53517	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	320.28525925029	Nominal RA [deg]
dec_nom	4.4973298468129	Nominal Dec [deg]
roll_nom	153.95414326147	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3254.399987936	Sum of GTIs [s]
livetime	3213.1908157244	Livetime [s]
ontime0	3254.399987936	Sum of GTIs [s]
ontime1	3254.399987936	Sum of GTIs [s]
ontime2	3254.399987936	Sum of GTIs [s]
ontime3	3254.399987936	Sum of GTIs [s]
ontime5	3254.399987936	Sum of GTIs [s]
ontime7	3254.399987936	Sum of GTIs [s]
l2events	89199	Number of level 2 events

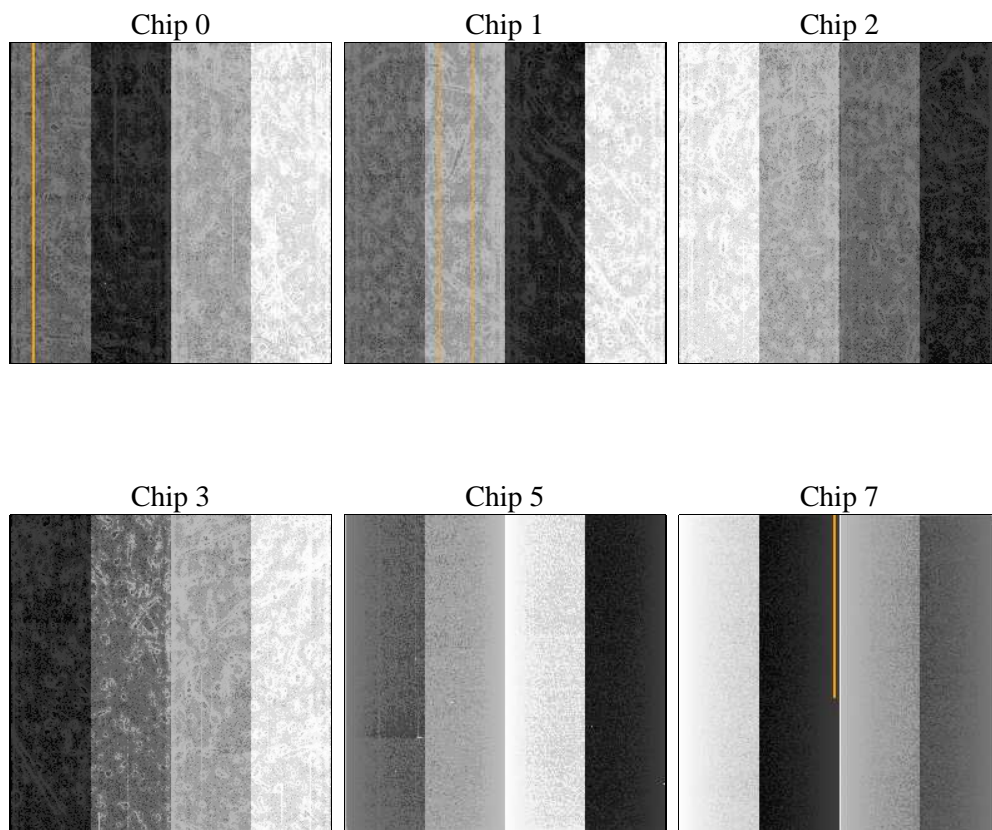
2 OBI

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	3254.399987936	Sum of GTIs [s]
caldbver	4.5.7	 	ontime0	3254.399987936	Sum of GTIs [s]
date	2013-07-29T16:41:45	Date and time of file creation	ontime1	3254.399987936	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3254.399987936	Sum of GTIs [s]
			ontime3	3254.399987936	Sum of GTIs [s]
			ontime5	3254.399987936	Sum of GTIs [s]
			ontime7	3254.399987936	Sum of GTIs [s]
			l1events	343639	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	57572	61631	65384	58031	52638	48383	grade 0 events	6159	5951	6317	6529	3877	3225
rejected events	45380	49487	53147	45745	27717	26299		10%	9%	9%	11%	7%	6%
rejected %	78%	80%	81%	78%	52%	54%	grade 1 events	29	23	37	32	122	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	2448	2555	2380	2257	8918	5409
								4%	4%	3%	3%	16%	11%
							grade 3 events	816	821	849	880	949	1854
								1%	1%	1%	1%	1%	3%
							grade 4 events	839	825	802	831	921	1830
								1%	1%	1%	1%	1%	3%
							grade 5 events	1152	1212	1068	1205	2412	2950
								2%	1%	1%	2%	4%	6%
							grade 6 events	1941	1992	1889	1800	10256	9787
								3%	3%	2%	3%	19%	20%
							grade 7 events	44188	48252	52042	44497	25183	23291
								76%	78%	79%	76%	47%	48%

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	320.2852592502856	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	4.497329846812939	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	153.9541432614668	[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)	491471430.758308	491471429.73331			
Observation start date	2013-07-29T07:50:31	2013-07-29T07:50:29			
[s] Observation end time (MET)	491477640.208647	491477639.18365			
Observation end date	2013-07-29T09:34:00	2013-07-29T09:33:59			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.07.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.254399987936

A.2 Comments