

V&V Reference Report

L2 ASCDS Version : 10

Observation 53529 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 26 2013

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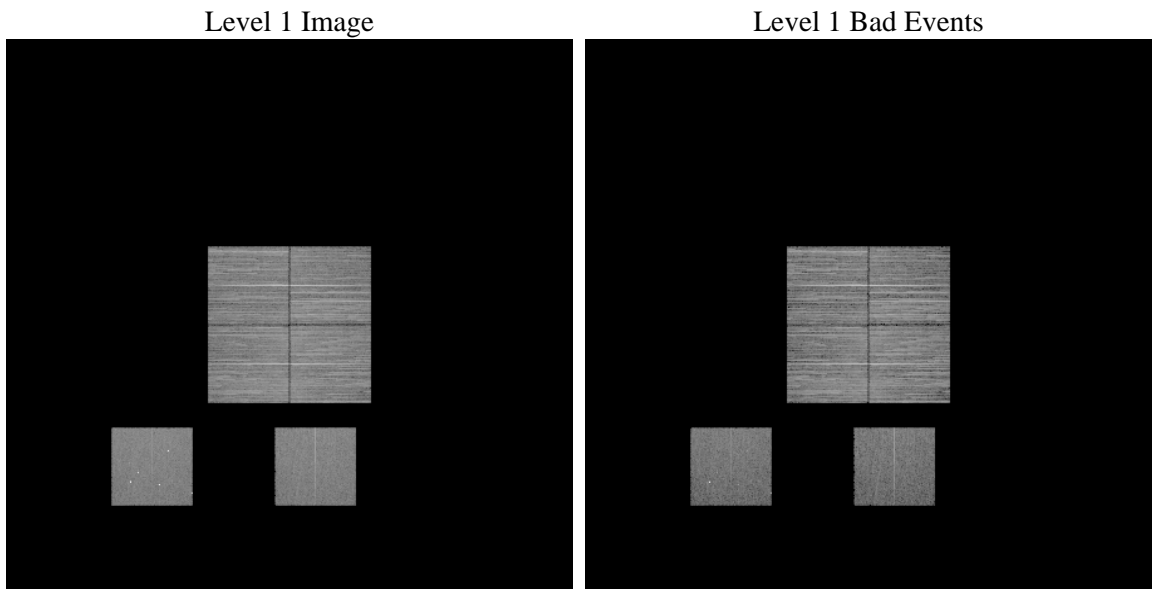
1 Front

seq_num	 	Sequence number
obs_id	53529	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	300.2268696967	Nominal RA [deg]
dec_nom	-37.521747282192	Nominal Dec [deg]
roll_nom	239.38266620993	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8092.3275563717	Sum of GTIs [s]
livetime	7989.8576322383	Livetime [s]
ontime0	8092.2865163684	Sum of GTIs [s]
ontime1	8092.2454763651	Sum of GTIs [s]
ontime2	8092.2044363618	Sum of GTIs [s]
ontime3	8092.368596375	Sum of GTIs [s]
ontime5	8092.1633963585	Sum of GTIs [s]
ontime7	8092.3275563717	Sum of GTIs [s]
l2events	224557	Number of level 2 events

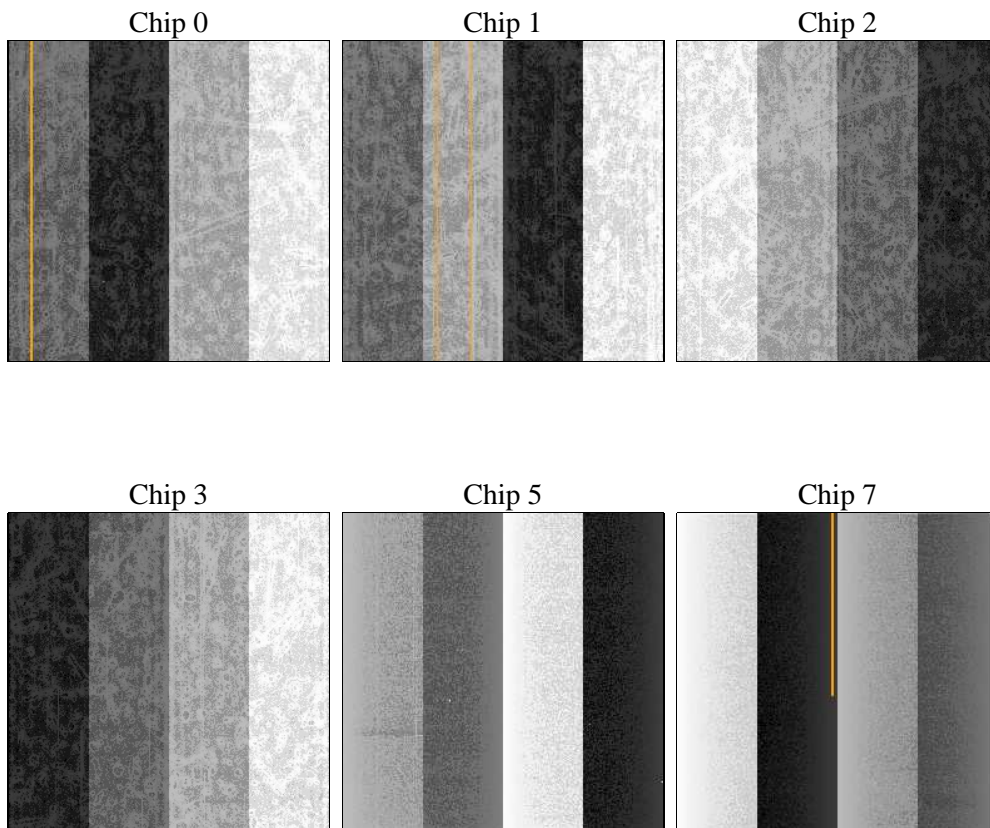
2 OBI

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	8092.3275563717	Sum of GTIs [s]
caldsver	4.5.7	 	ontime0	8092.2865163684	Sum of GTIs [s]
date	2013-07-26T20:01:56	Date and time of file creation	ontime1	8092.2454763651	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8092.2044363618	Sum of GTIs [s]
			ontime3	8092.368596375	Sum of GTIs [s]
			ontime5	8092.1633963585	Sum of GTIs [s]
			ontime7	8092.3275563717	Sum of GTIs [s]
			l1events	880749	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	148448	152228	157135	160611	137694	124633	grade 0 events	16129	15570	16486	16313	11815	8250
rejected events	117782	121084	126422	129808	74124	69087		10%	10%	10%	10%	8%	6%
rejected %	79%	79%	80%	80%	53%	55%	grade 1 events	76	59	86	103	274	84
								0%	0%	0%	0%	0%	0%
							grade 2 events	6221	6752	5945	6059	22317	14027
								4%	4%	3%	3%	16%	11%
							grade 3 events	2118	2201	2160	2199	2122	4659
								1%	1%	1%	1%	1%	3%
							grade 4 events	2065	2159	2123	2141	2089	4699
								1%	1%	1%	1%	1%	3%
							grade 5 events	2804	2903	2628	3167	6667	7453
								1%	1%	1%	1%	4%	5%
							grade 6 events	4984	5335	4828	4908	26854	25407
								3%	3%	3%	3%	19%	20%
							grade 7 events	114051	117249	122879	125721	65556	60054
								76%	77%	78%	78%	47%	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	300.2268696966956
[deg] Pointing Dec	0	-37.52174728219188
[deg] Pointing Roll	0.0	239.382666209932
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	491212150.844182	491212150.844182
Observation start date	2013-07-26T07:49:11	2013-07-26T07:49:10
[s] Observation end time (MET)	491221697.862093	491221697.862093
Observation end date	2013-07-26T10:28:18	2013-07-26T10:28:17
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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)	2013.07.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0923275563717

A.2 Comments