

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 60077 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 8 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

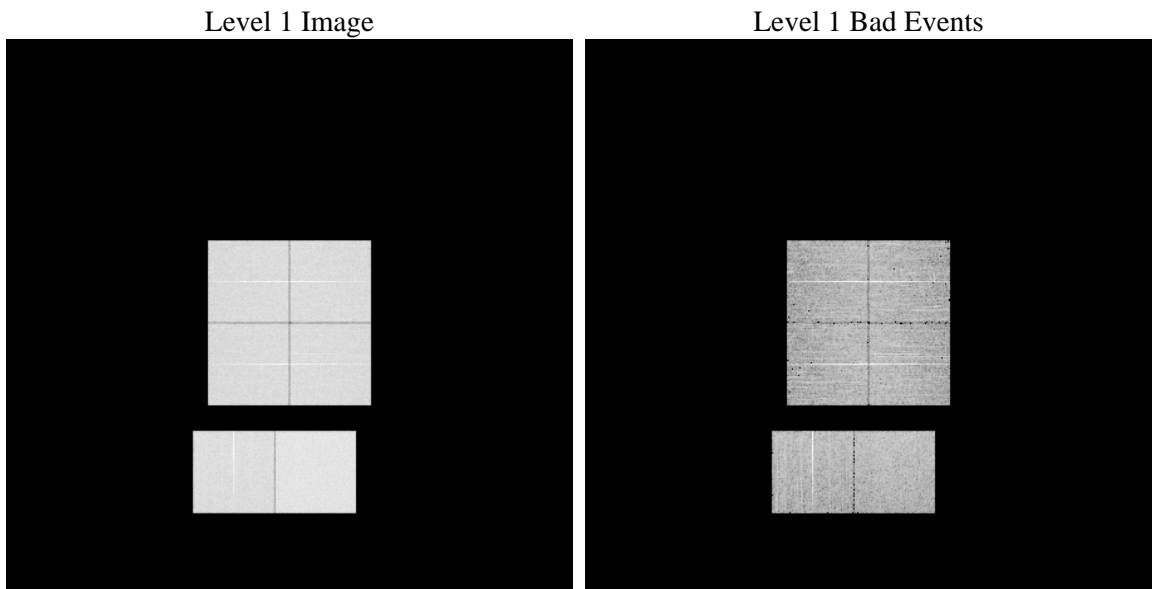
1 Front

seq_num	 	Sequence number
obs_id	60077	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	342.5140354052	Nominal RA [deg]
dec_nom	-21.973312994698	Nominal Dec [deg]
roll_nom	26.773032369206	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8281.2133944631	Sum of GTIs [s]
livetime	8176.3516841143	Livetime [s]
ontime0	6488.9151870906	Sum of GTIs [s]
ontime1	6553.6939204335	Sum of GTIs [s]
ontime2	6268.4474751949	Sum of GTIs [s]
ontime3	6437.1416622996	Sum of GTIs [s]
ontime6	6819.3714543283	Sum of GTIs [s]
ontime7	8281.2133944631	Sum of GTIs [s]
l2events	1148236	Number of level 2 events

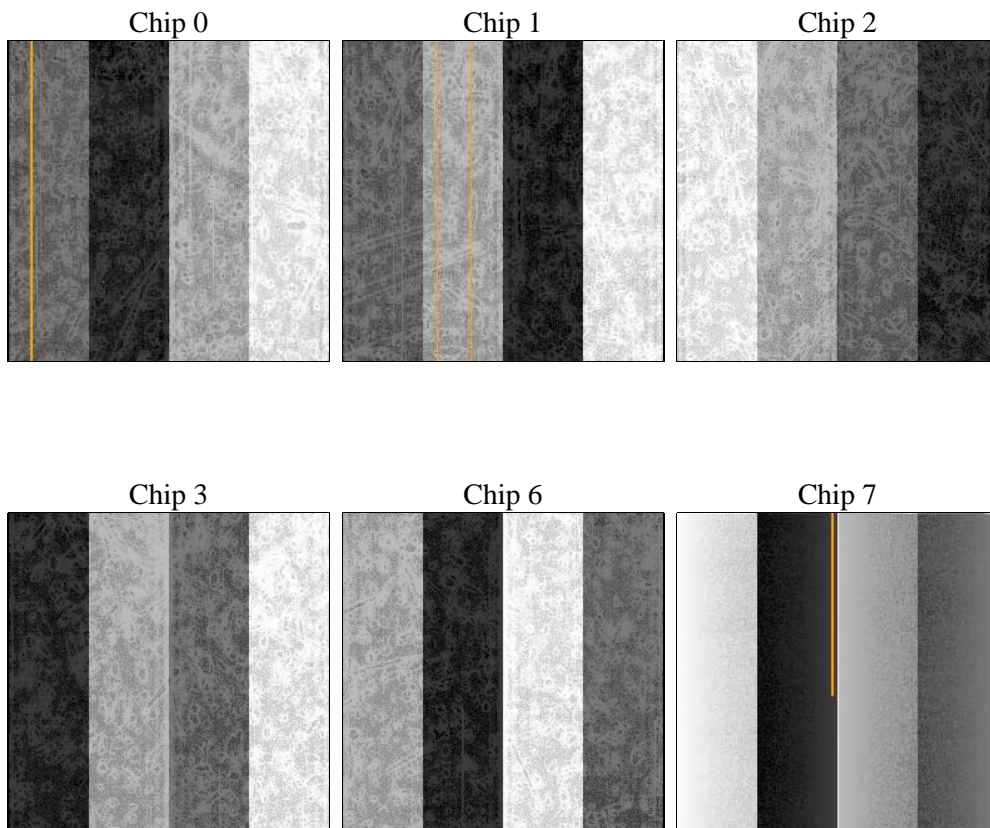
2 OBI

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	8.5	Processing system revision	ontime	8281.2133944631	Sum of GTIs [s]
caldsver	4.5.4	 	ontime0	6488.9151870906	Sum of GTIs [s]
date	2012-12-08T08:53:24	Date and time of file creation	ontime1	6553.6939204335	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6268.4474751949	Sum of GTIs [s]
			ontime3	6437.1416622996	Sum of GTIs [s]
			ontime6	6819.3714543283	Sum of GTIs [s]
			ontime7	8281.2133944631	Sum of GTIs [s]
			l1events	1498986	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	231187	234101	228557	235625	256531	312985	grade 0 events	102134	101867	101267	104629	110896	63218
rejected events	45737	47462	47414	49567	51683	51673		44%	43%	44%	44%	43%	20%
rejected %	19%	20%	20%	21%	20%	16%	grade 1 events	587	592	651	662	632	205
								0%	0%	0%	0%	0%	0%
							grade 2 events	32004	33291	30731	31652	35429	57158
								13%	14%	13%	13%	13%	18%
							grade 3 events	12073	12009	11778	12164	12842	26120
								5%	5%	5%	5%	5%	8%
							grade 4 events	12026	11834	11873	12065	13113	26048
								5%	5%	5%	5%	5%	8%
							grade 5 events	2827	3007	2758	3119	3266	9350
								1%	1%	1%	1%	1%	2%
							grade 6 events	27290	27734	25587	25644	32671	88872
								11%	11%	11%	10%	12%	28%
							grade 7 events	42246	43767	43912	45690	47682	42014
								18%	18%	19%	19%	18%	13%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	342.5140354052011
[deg] Pointing Dec	0	-21.97331299469838
[deg] Pointing Roll	0.0	26.77303236920573
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	209995449.597226	209995448.57224
Observation start date	2004-08-27T12:04:10	2004-08-27T12:04:08
[s] Observation end time (MET)	210008465.047805	210008464.02282
Observation end date	2004-08-27T15:41:05	2004-08-27T15:41:04
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2812133944631

A.2 Comments