

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56924 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 11 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

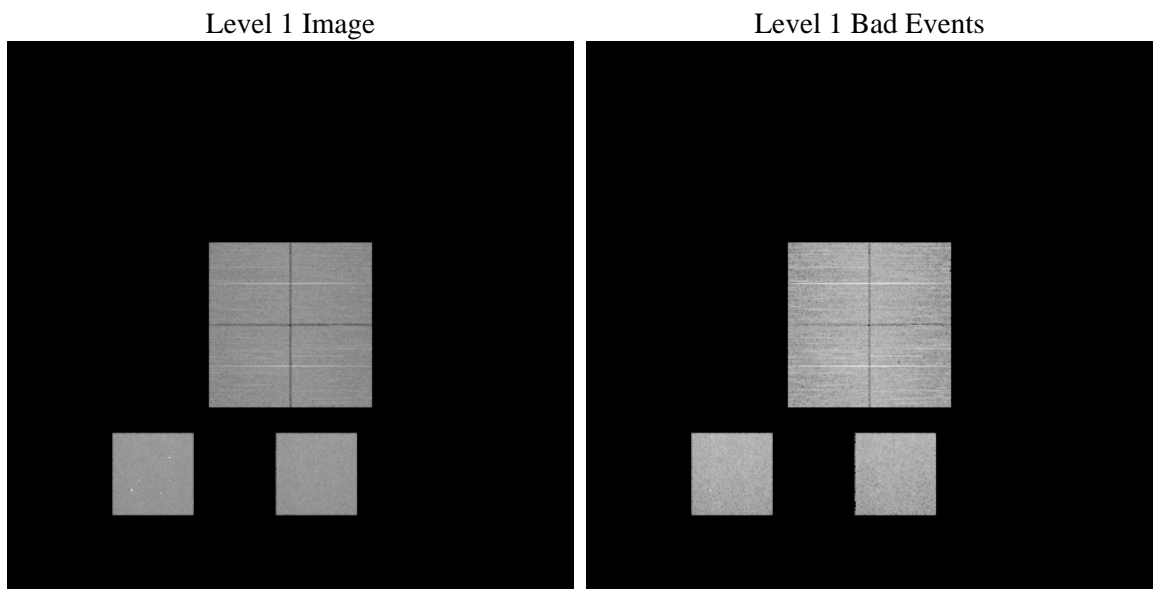
1 Front

seq_num	 	Sequence number
obs_id	56924	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	97.277040577763	Nominal RA [deg]
dec_nom	-6.4867186526102	Nominal Dec [deg]
roll_nom	146.19632665088	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8201.5999695063	Sum of GTIs [s]
livetime	8097.7463722818	Livetime [s]
ontime0	8198.3589991331	Sum of GTIs [s]
ontime1	8198.3589692712	Sum of GTIs [s]
ontime2	8201.5999695063	Sum of GTIs [s]
ontime3	8201.5999695063	Sum of GTIs [s]
ontime5	8201.5999695063	Sum of GTIs [s]
ontime7	8201.5999695063	Sum of GTIs [s]
l2events	507446	Number of level 2 events

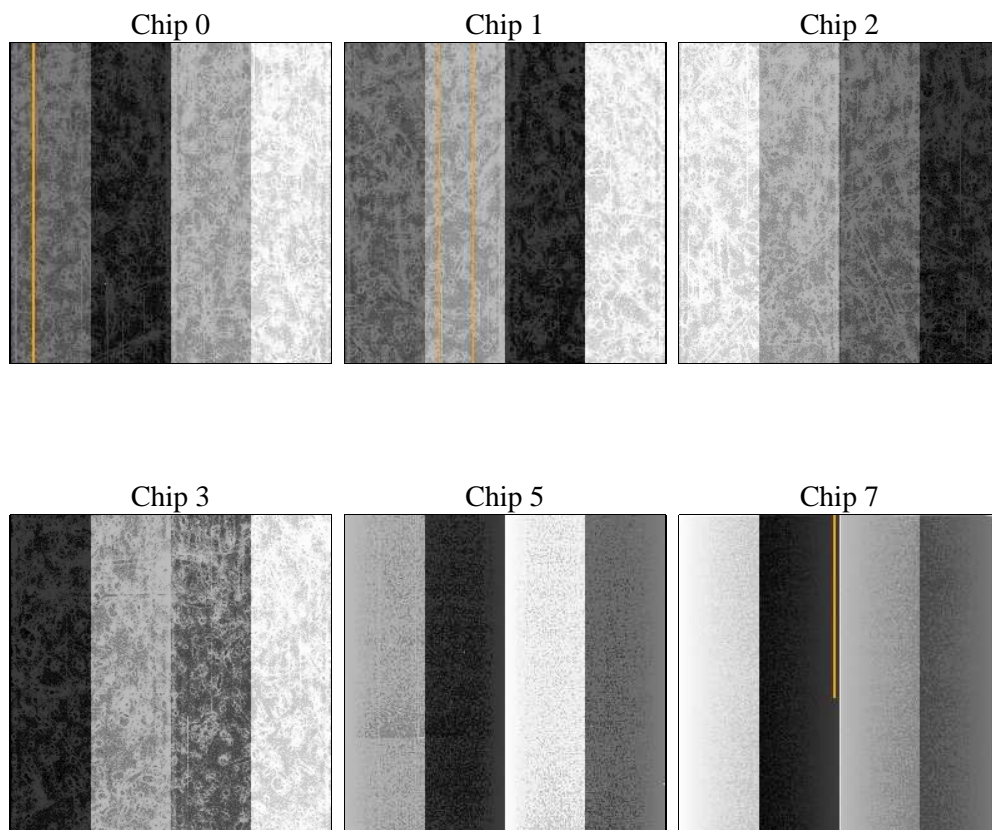
2 OBI

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	8.4.5	Processing system revision	ontime	8201.5999695063	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	8198.3589991331	Sum of GTIs [s]
date	2012-06-11T02:28:43	Date and time of file creation	ontime1	8198.3589692712	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8201.5999695063	Sum of GTIs [s]
			ontime3	8201.5999695063	Sum of GTIs [s]
			ontime5	8201.5999695063	Sum of GTIs [s]
			ontime7	8201.5999695063	Sum of GTIs [s]
			l1events	998826	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	151663	150252	156218	155964	195378	189351	grade 0 events	40329	39608	41462	41261	19080	21618
rejected events	77000	74647	80544	80863	76660	73702		26%	26%	26%	26%	9%	11%
rejected %	50%	49%	51%	51%	39%	38%	grade 1 events	308	246	342	338	549	155
								0%	0%	0%	0%	0%	0%
							grade 2 events	13511	14403	13268	13194	41785	25322
								8%	9%	8%	8%	21%	13%
							grade 3 events	5022	5199	5206	5285	5616	10986
								3%	3%	3%	3%	2%	5%
							grade 4 events	5034	5121	5128	5221	5407	10702
								3%	3%	3%	3%	2%	5%
							grade 5 events	4303	4381	4092	4721	10399	12029
								2%	2%	2%	3%	5%	6%
							grade 6 events	11424	11956	11248	10796	47808	48074
								7%	7%	7%	6%	24%	25%
							grade 7 events	71732	69338	75472	75148	64734	60465
								47%	46%	48%	48%	33%	31%

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	97.27704057776295
[deg] Pointing Dec	0	-6.486718652610197
[deg] Pointing Roll	0.0	146.1963266508813
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	365311545.526183	365311545.526183
Observation start date	2009-07-30T03:25:46	2009-07-30T03:25:45
[s] Observation end time (MET)	365320573.071306	365320573.071306
Observation end date	2009-07-30T05:56:13	2009-07-30T05:56:13
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2015999695063

A.2 Comments