

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 62852 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 4 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

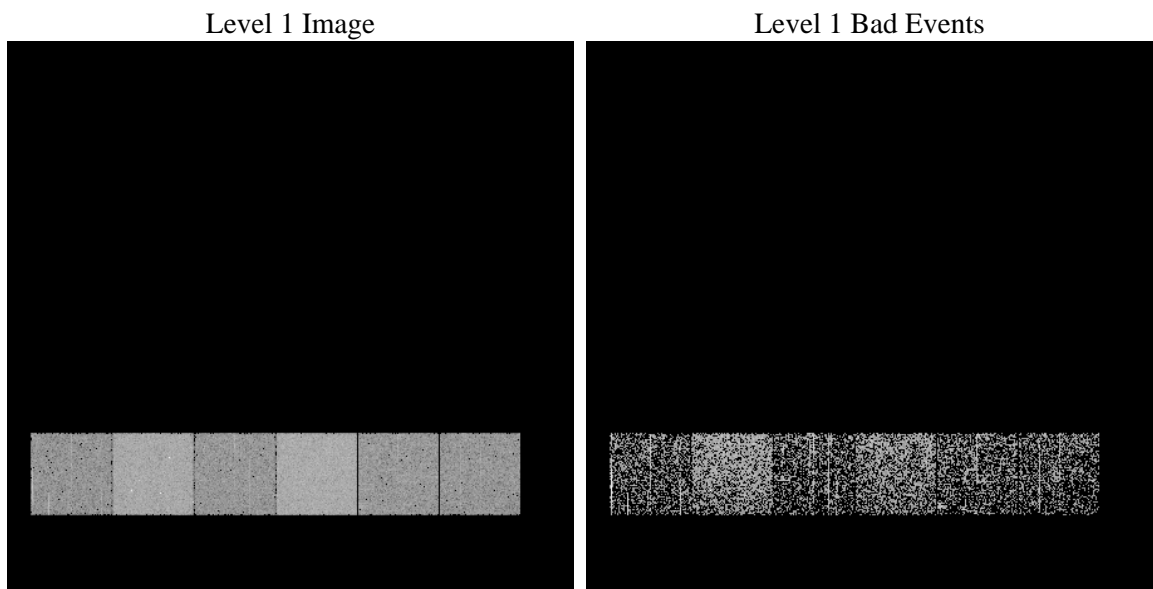
1 Front

seq_num	 	Sequence number
obs_id	62852	Observation id
title	ACIS-456789 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	118.01106365341	Nominal RA [deg]
dec_nom	22.973257105073	Nominal Dec [deg]
roll_nom	258.05298584006	Nominal Roll [deg]
revision	3	Processing version of data
ontime	761.08977095783	Sum of GTIs [s]
livetime	751.45239400472	Livetime [s]
ontime4	359.08406826854	Sum of GTIs [s]
ontime5	780.4945525229	Sum of GTIs [s]
ontime6	372.7174769938	Sum of GTIs [s]
ontime7	761.08977095783	Sum of GTIs [s]
ontime8	384.97127845883	Sum of GTIs [s]
ontime9	375.95843724906	Sum of GTIs [s]
l2events	153006	Number of level 2 events

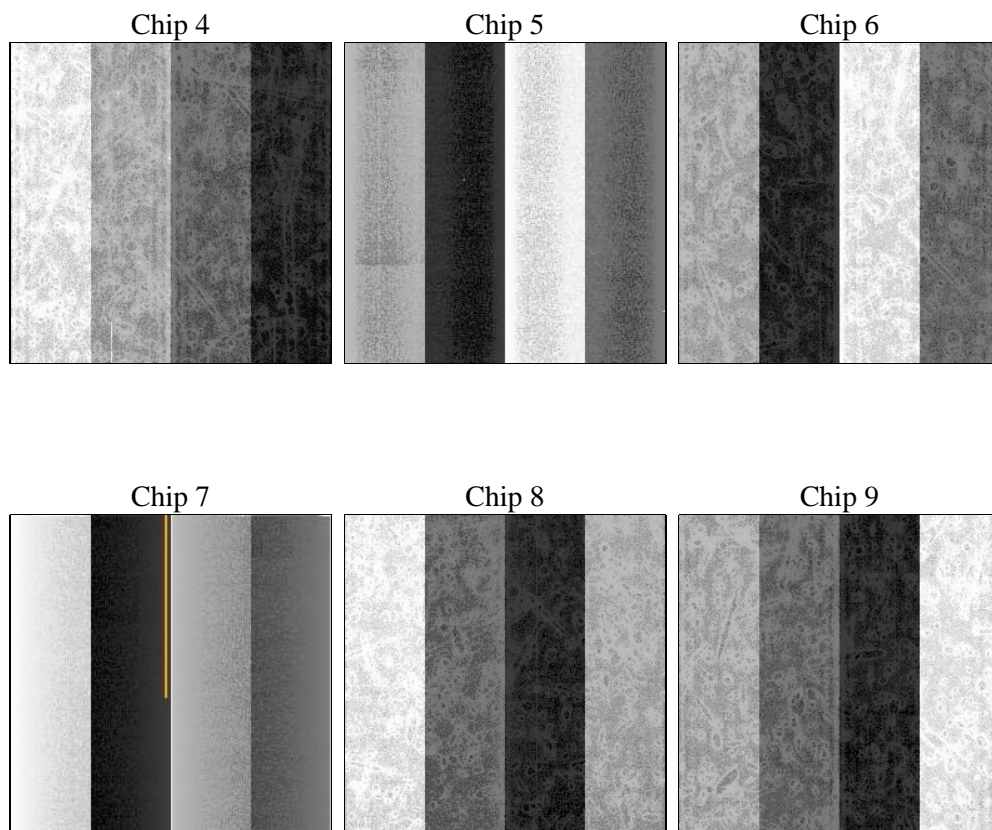
2 OBI

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	761.08977095783	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	359.08406826854	Sum of GTIs [s]
date	2012-10-04T06:13:21	Date and time of file creation	ontime5	780.4945525229	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	372.7174769938	Sum of GTIs [s]
			ontime7	761.08977095783	Sum of GTIs [s]
			ontime8	384.97127845883	Sum of GTIs [s]
			ontime9	375.95843724906	Sum of GTIs [s]
			l1events	183532	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	22033	43564	23658	46815	24819	22643
rejected events	3652	5576	3099	4438	3190	2677
rejected %	16%	12%	13%	9%	12%	11%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	10360	9467	11258	10689	11728	10925
	47%	21%	47%	22%	47%	48%
grade 1 events	70	47	62	43	68	49
	0%	0%	0%	0%	0%	0%
grade 2 events	3189	13429	3450	9250	3865	3526
	14%	30%	14%	19%	15%	15%
grade 3 events	1204	2342	1263	4367	1393	1255
	5%	5%	5%	9%	5%	5%
grade 4 events	1125	2384	1269	4243	1370	1271
	5%	5%	5%	9%	5%	5%
grade 5 events	181	976	201	880	246	224
	0%	2%	0%	1%	0%	0%
grade 6 events	2503	10366	3319	13828	3273	2989
	11%	23%	14%	29%	13%	13%
grade 7 events	3401	4553	2836	3515	2876	2404
	15%	10%	11%	7%	11%	10%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	118.0110636534136
[deg] Pointing Dec	0	22.97325710507332
[deg] Pointing Roll	0.0	258.0529858400646
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	132504240.645833	132504239.87737
Observation start date	2002-03-14T14:44:01	2002-03-14T14:43:59
[s] Observation end time (MET)	132510126.196072	132510125.42761
Observation end date	2002-03-14T16:22:06	2002-03-14T16:22:05
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)	2012.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.76108977095783

A.2 Comments