

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60905 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 19 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

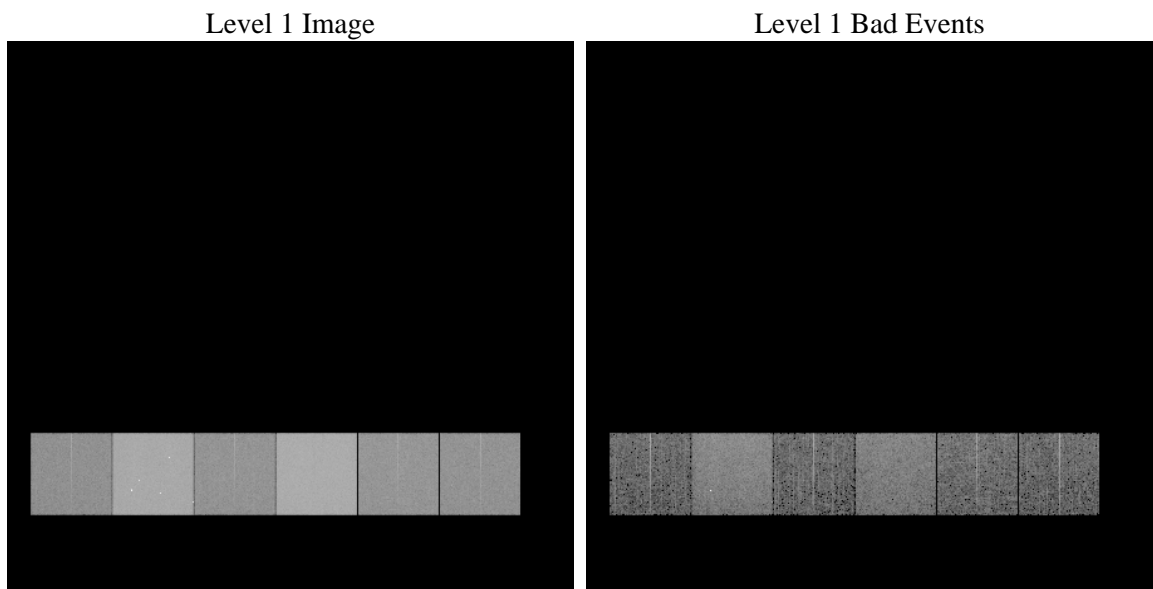
1 Front

seq_num	 	Sequence number
obs_id	60905	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	94.165388907803	Nominal RA [deg]
dec_nom	49.582264105598	Nominal Dec [deg]
roll_nom	185.4236667566	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8392.5003922582	Sum of GTIs [s]
livetime	8286.2294989344	Livetime [s]
ontime4	3241.0350208282	Sum of GTIs [s]
ontime5	8392.4593522549	Sum of GTIs [s]
ontime6	3493.8345065415	Sum of GTIs [s]
ontime7	8392.5003922582	Sum of GTIs [s]
ontime8	3688.2954721153	Sum of GTIs [s]
ontime9	3484.1118148565	Sum of GTIs [s]
l2events	1274828	Number of level 2 events

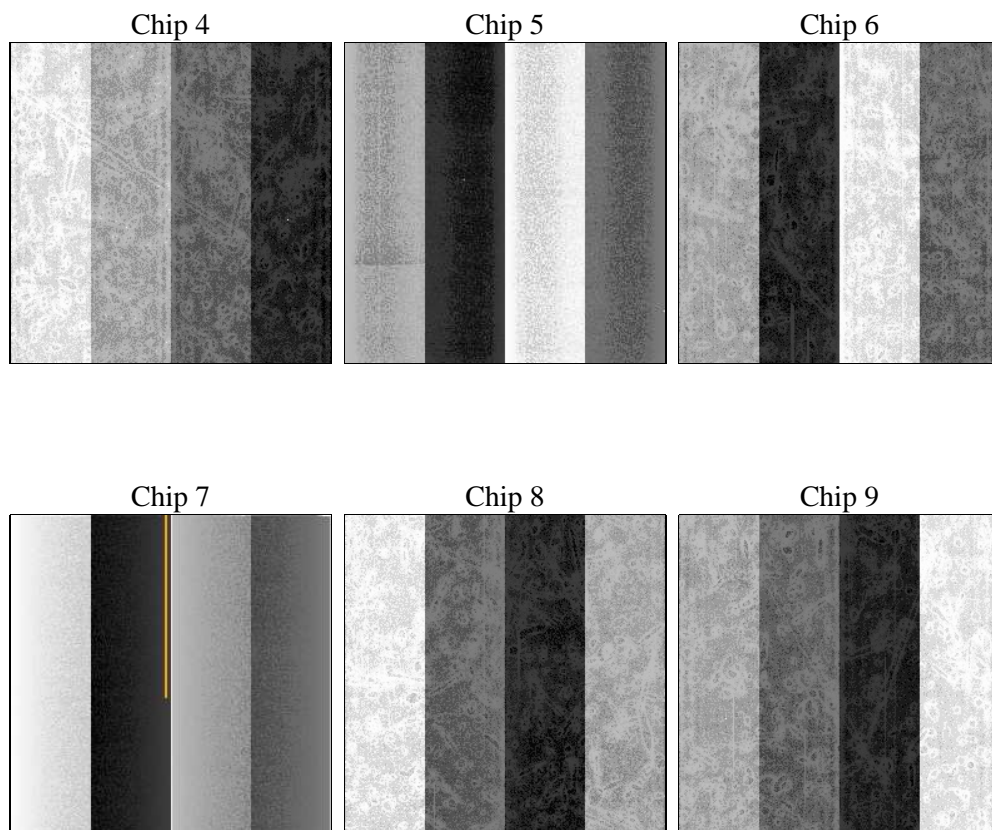
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8392.5003922582	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	3241.0350208282	Sum of GTIs [s]
date	2012-10-19T18:31:06	Date and time of file creation	ontime5	8392.4593522549	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3493.8345065415	Sum of GTIs [s]
			ontime7	8392.5003922582	Sum of GTIs [s]
			ontime8	3688.2954721153	Sum of GTIs [s]
			ontime9	3484.1118148565	Sum of GTIs [s]
			l1events	1546154	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	161325	396725	184479	428793	197950	176882	grade 0 events	79721	81363	87226	97378	93724	84243
rejected events	24938	58931	25665	46735	29058	25094		49%	20%	47%	22%	47%	47%
rejected %	15%	14%	13%	10%	14%	14%	grade 1 events	542	330	463	241	466	403
								0%	0%	0%	0%	0%	0%
							grade 2 events	21962	121902	27633	85458	29912	26037
								13%	30%	14%	19%	15%	14%
							grade 3 events	9133	21143	9945	39313	10902	9742
								5%	5%	5%	9%	5%	5%
							grade 4 events	9168	21176	9765	38924	10906	9869
								5%	5%	5%	9%	5%	5%
							grade 5 events	1598	10033	1756	8433	2088	1771
								0%	2%	0%	1%	1%	1%
							grade 6 events	17497	95170	25750	124527	24933	22844
								10%	23%	13%	29%	12%	12%
							grade 7 events	21704	45608	21941	34519	25019	21973
								13%	11%	11%	8%	12%	12%

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	94.16538890780296
[deg] Pointing Dec	0	49.58226410559839
[deg] Pointing Roll	0.0	185.4236667566042
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	157435880.67818	157435879.65347
Observation start date	2002-12-28T04:11:21	2002-12-28T04:11:19
[s] Observation end time (MET)	157458254.379114	157458253.35441
Observation end date	2002-12-28T10:24:14	2002-12-28T10:24:13
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)	2012.11.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3925003922582

A.2 Comments