

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 62882 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Aug 29 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

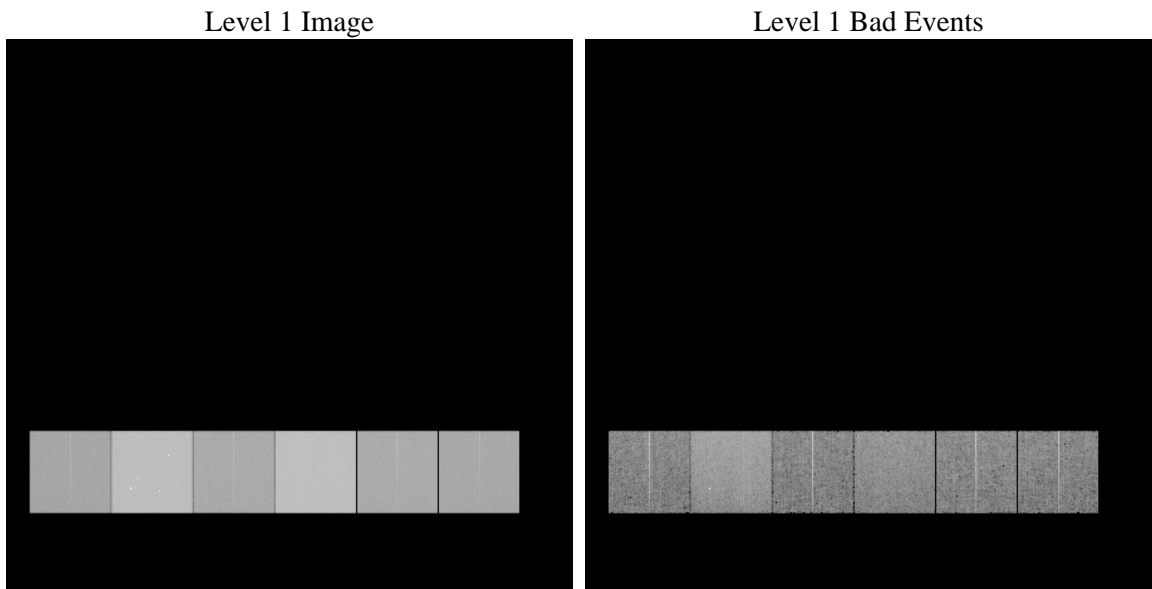
1 Front

seq_num	 	Sequence number
obs_id	62882	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	203.97331897235	Nominal RA [deg]
dec_nom	-34.306373009338	Nominal Dec [deg]
roll_nom	269.50049453476	Nominal Roll [deg]
revision	5	Processing version of data
ontime	12341.914341226	Sum of GTIs [s]
livetime	12185.633590429	Livetime [s]
ontime4	5208.3185892701	Sum of GTIs [s]
ontime5	13239.64018102	Sum of GTIs [s]
ontime6	5629.6845001131	Sum of GTIs [s]
ontime7	12341.914341226	Sum of GTIs [s]
ontime8	5765.7361385077	Sum of GTIs [s]
ontime9	5525.912794888	Sum of GTIs [s]
l2events	3695783	Number of level 2 events

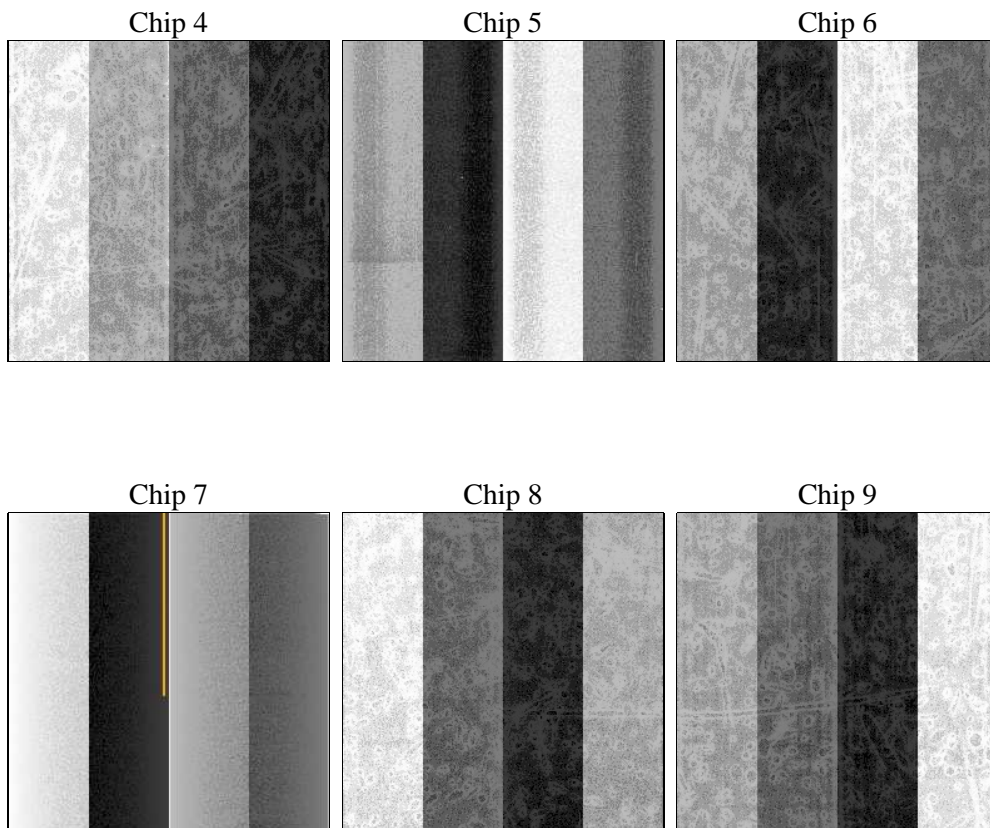
2 OBI

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	12341.914341226	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	5208.3185892701	Sum of GTIs [s]
date	2012-08-29T01:33:57	Date and time of file creation	ontime5	13239.64018102	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	5629.6845001131	Sum of GTIs [s]
			ontime7	12341.914341226	Sum of GTIs [s]
			ontime8	5765.7361385077	Sum of GTIs [s]
			ontime9	5525.912794888	Sum of GTIs [s]
			l1events	4192168	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	461053	1061177	531251	1095032	543362	500293	grade 0 events	235904	256313	266403	267526	273937	250270
rejected events	45844	92478	45149	58495	50269	44940		51%	24%	50%	24%	50%	50%
rejected %	9%	8%	8%	5%	9%	8%	grade 1 events	1246	711	1348	730	1320	1305
								0%	0%	0%	0%	0%	0%
							grade 2 events	72655	331721	84335	229598	86995	80476
								15%	31%	15%	20%	16%	16%
							grade 3 events	25680	66819	30140	106447	30401	28256
								5%	6%	5%	9%	5%	5%
							grade 4 events	25480	66222	29858	106040	30965	28194
								5%	6%	5%	9%	5%	5%
							grade 5 events	3305	19940	3708	13566	3946	3645
								0%	1%	0%	1%	0%	0%
							grade 6 events	55490	248376	75674	327483	71093	68157
								12%	23%	14%	29%	13%	13%
							grade 7 events	41293	71075	39785	43642	44705	39990
								8%	6%	7%	3%	8%	7%

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	203.9733189723492
[deg] Pointing Dec	0	-34.30637300933845
[deg] Pointing Roll	0.0	269.5004945347555
[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)	76913437.288828	76913436.52034301
Observation start date	2000-06-09T04:50:37	2000-06-09T04:50:36
[s] Observation end time (MET)	76938197.189741	76938196.42125501
Observation end date	2000-06-09T11:43:17	2000-06-09T11:43:16
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.341914341226

A.2 Comments