

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60950 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 18 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

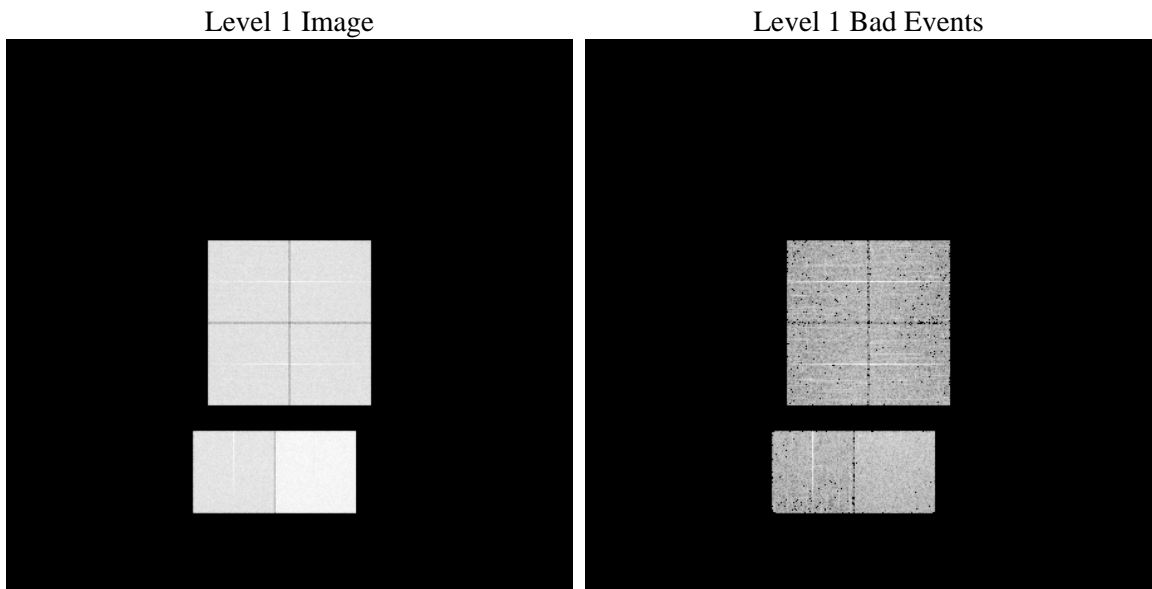
1 Front

seq_num	 	Sequence number
obs_id	60950	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	356.42269971252	Nominal RA [deg]
dec_nom	9.6921975374371	Nominal Dec [deg]
roll_nom	288.6450134975	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7795.1999709606	Sum of GTIs [s]
livetime	7696.4924552224	Livetime [s]
ontime0	3926.5221695006	Sum of GTIs [s]
ontime1	4016.2164800465	Sum of GTIs [s]
ontime2	3855.3028924167	Sum of GTIs [s]
ontime3	3931.9509240687	Sum of GTIs [s]
ontime6	4202.1310791969	Sum of GTIs [s]
ontime7	7795.1999709606	Sum of GTIs [s]
l2events	1201942	Number of level 2 events

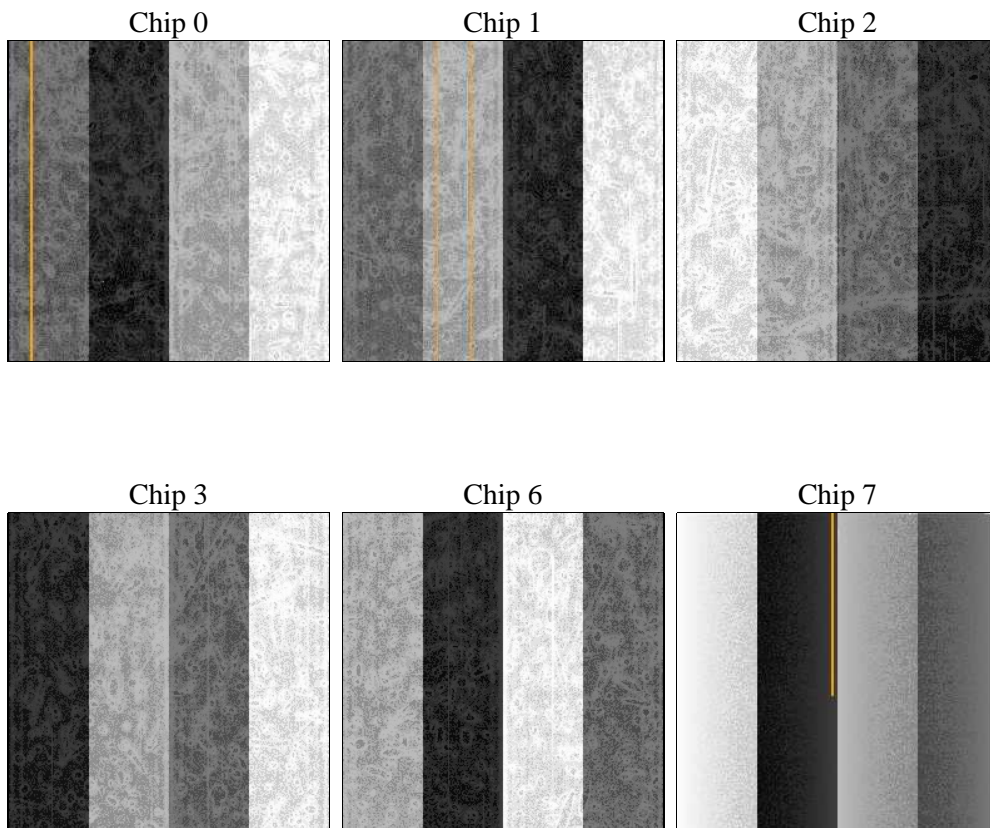
2 OBI

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	7795.1999709606	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	3926.5221695006	Sum of GTIs [s]
date	2012-10-18T03:05:31	Date and time of file creation	ontime1	4016.2164800465	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3855.3028924167	Sum of GTIs [s]
			ontime3	3931.9509240687	Sum of GTIs [s]
			ontime6	4202.1310791969	Sum of GTIs [s]
			ontime7	7795.1999709606	Sum of GTIs [s]
			l1events	1430571	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	198451	203862	199892	203901	222251	402214	grade 0 events	95224	97709	97802	99607	106559	91085
rejected events	26007	25974	27039	27991	27555	40200		47%	47%	48%	48%	47%	22%
rejected %	13%	12%	13%	13%	12%	9%	grade 1 events	494	459	558	553	518	224
								0%	0%	0%	0%	0%	0%
							grade 2 events	30155	31492	29046	29707	33386	80308
								15%	15%	14%	14%	15%	19%
							grade 3 events	11153	11370	11122	11389	11979	36448
								5%	5%	5%	5%	5%	9%
							grade 4 events	11149	11298	11112	11420	12054	36698
								5%	5%	5%	5%	5%	9%
							grade 5 events	1757	1765	1723	1919	2064	7868
								0%	0%	0%	0%	0%	1%
							grade 6 events	24763	26019	23771	23948	30718	117652
								12%	12%	11%	11%	13%	29%
							grade 7 events	23756	23750	24758	25358	24973	31931
								11%	11%	12%	12%	11%	7%

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	356.4226997125152
[deg] Pointing Dec	0	9.692197537437064
[deg] Pointing Roll	0.0	288.6450134975009
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	154665401.912592	154665400.88788
Observation start date	2002-11-26T02:36:42	2002-11-26T02:36:40
[s] Observation end time (MET)	154694446.313801	154694445.28909
Observation end date	2002-11-26T10:40:46	2002-11-26T10:40:45
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)	2012.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7951999709606

A.2 Comments