

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60139 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 3 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

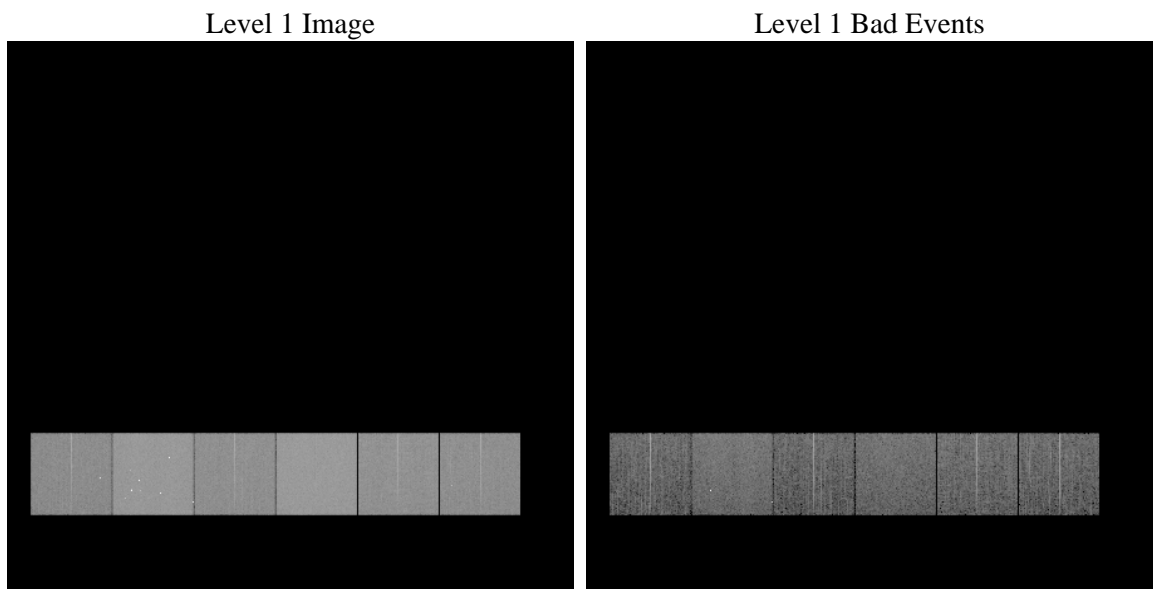
1 Front

seq_num	 	Sequence number
obs_id	60139	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	274.00302596617	Nominal RA [deg]
dec_nom	-14.028569790193	Nominal Dec [deg]
roll_nom	240.0997104844	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8275.1999691725	Sum of GTIs [s]
livetime	8170.4144044356	Livetime [s]
ontime4	5183.31058079	Sum of GTIs [s]
ontime5	8275.1999691725	Sum of GTIs [s]
ontime6	5754.5663162172	Sum of GTIs [s]
ontime7	8275.1999691725	Sum of GTIs [s]
ontime8	5942.625179857	Sum of GTIs [s]
ontime9	5673.4181714356	Sum of GTIs [s]
l2events	1123674	Number of level 2 events

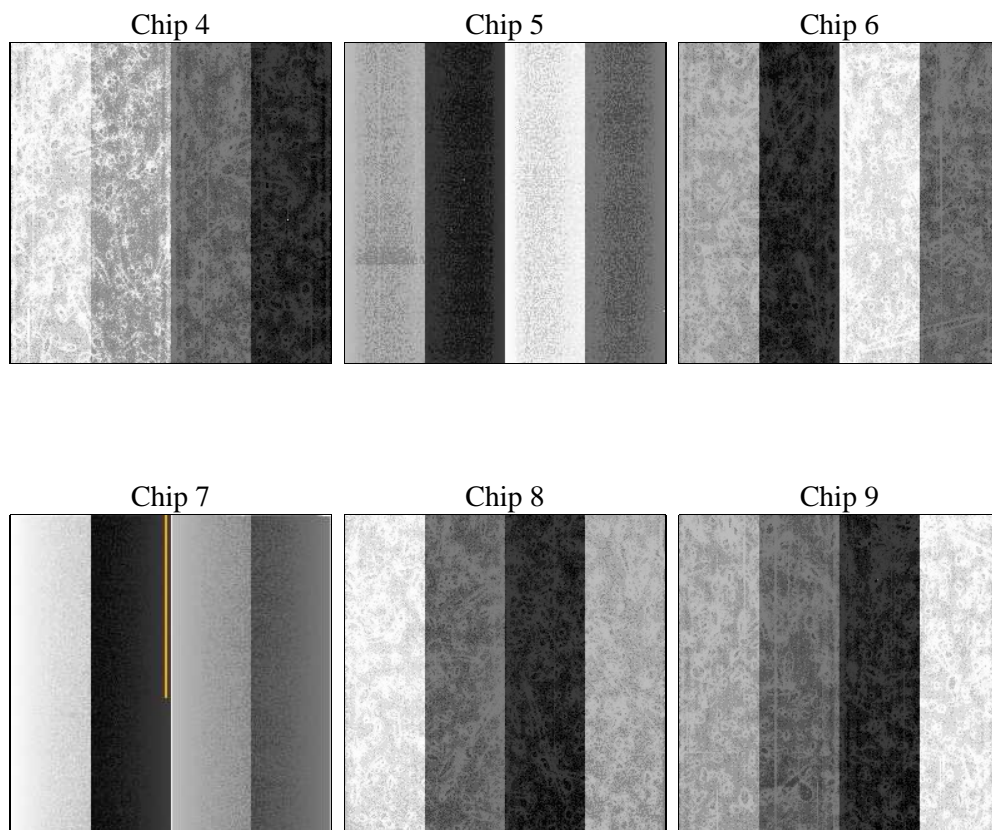
2 OBI

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	8275.1999691725	Sum of GTIs [s]
caldbver	4.5.2	 	ontime4	5183.31058079	Sum of GTIs [s]
date	2012-12-03T22:27:20	Date and time of file creation	ontime5	8275.1999691725	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5754.5663162172	Sum of GTIs [s]
			ontime7	8275.1999691725	Sum of GTIs [s]
			ontime8	5942.625179857	Sum of GTIs [s]
			ontime9	5673.4181714356	Sum of GTIs [s]
			l1events	1498430	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	193530	312687	220307	319325	238704	213877	grade 0 events	87020	54935	95981	63876	101940	93369
rejected events	45208	64301	43794	51229	51196	45470		44%	17%	43%	20%	42%	43%
rejected %	23%	20%	19%	16%	21%	21%	grade 1 events	699	221	537	194	550	563
								0%	0%	0%	0%	0%	0%
							grade 2 events	22681	90880	30404	58512	32505	28571
								11%	29%	13%	18%	13%	13%
							grade 3 events	9996	13130	10974	26750	12309	10723
								5%	4%	4%	8%	5%	5%
							grade 4 events	9888	12836	10963	26689	12385	10676
								5%	4%	4%	8%	5%	4%
							grade 5 events	2523	9894	2758	9089	3407	2980
								1%	3%	1%	2%	1%	1%
							grade 6 events	18737	76605	28191	92269	28369	25068
								9%	24%	12%	28%	11%	11%
							grade 7 events	41986	54186	40499	41946	47239	41927
								21%	17%	18%	13%	19%	19%

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	274.0030259661683
[deg] Pointing Dec	0	-14.02856979019344
[deg] Pointing Roll	0.0	240.0997104843955
[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)	205873034.713942	205873033.68894
Observation start date	2004-07-10T18:57:15	2004-07-10T18:57:13
[s] Observation end time (MET)	205896462.11498	205896461.08998
Observation end date	2004-07-11T01:27:42	2004-07-11T01:27:41
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)	2012.12.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999691725

A.2 Comments