

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56570 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 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

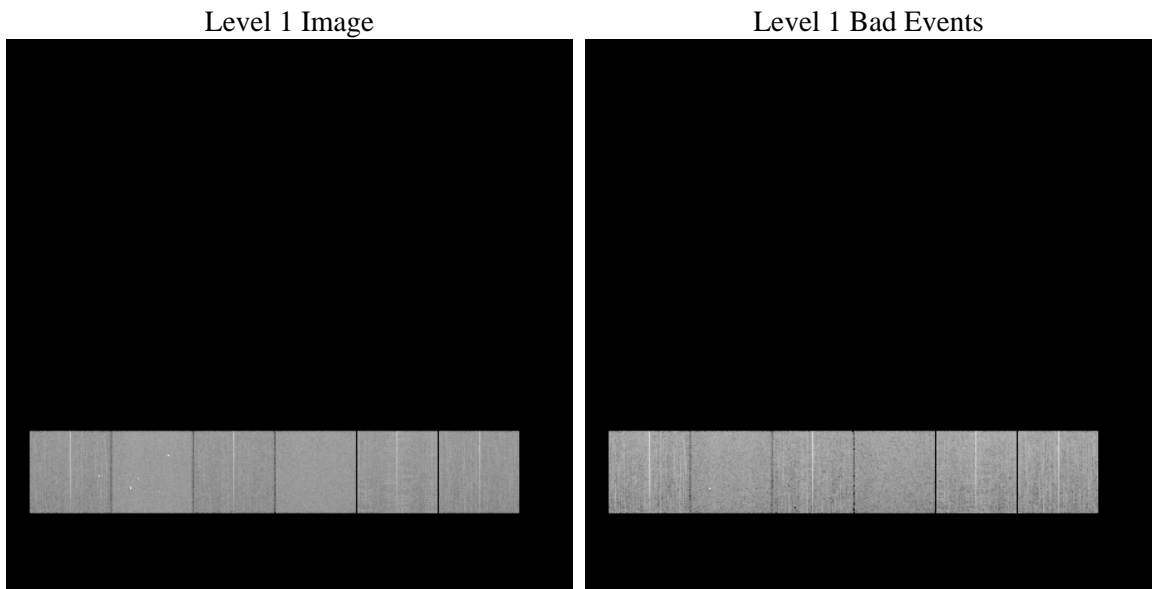
1 Front

seq_num	 	Sequence number
obs_id	56570	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	103.01517365019	Nominal RA [deg]
dec_nom	0.024371142339759	Nominal Dec [deg]
roll_nom	25.160353074835	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8428.2914224863	Sum of GTIs [s]
livetime	8321.567321587	Livetime [s]
ontime4	8428.1683024764	Sum of GTIs [s]
ontime5	8428.250382483	Sum of GTIs [s]
ontime6	8428.2093424797	Sum of GTIs [s]
ontime7	8428.2914224863	Sum of GTIs [s]
ontime8	8428.1272624731	Sum of GTIs [s]
ontime9	8428.3324624896	Sum of GTIs [s]
l2events	481950	Number of level 2 events

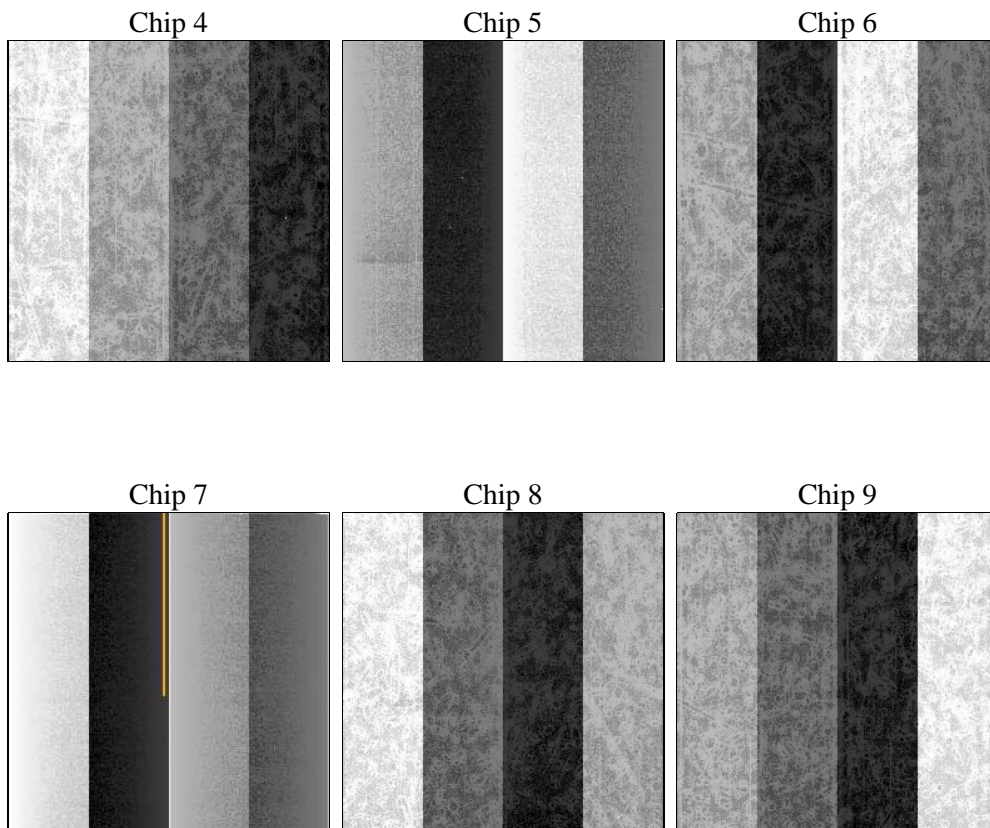
2 OBI

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	8428.2914224863	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	8428.1683024764	Sum of GTIs [s]
date	2012-06-18T19:24:37	Date and time of file creation	ontime5	8428.250382483	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8428.2093424797	Sum of GTIs [s]
			ontime7	8428.2914224863	Sum of GTIs [s]
			ontime8	8428.1272624731	Sum of GTIs [s]
			ontime9	8428.3324624896	Sum of GTIs [s]
			l1events	1030646	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	157943	194060	155684	186197	178658	158104	grade 0 events	40074	16507	37727	19746	42850	37620
rejected events	87554	79762	82557	74774	90133	87019		25%	8%	24%	10%	23%	23%
rejected %	55%	41%	53%	40%	50%	55%	grade 1 events	429	245	261	178	322	312
								0%	0%	0%	0%	0%	0%
							grade 2 events	11311	40664	13576	24002	16839	12507
								7%	20%	8%	12%	9%	7%
							grade 3 events	5014	4887	4837	10302	6688	4950
								3%	2%	3%	5%	3%	3%
							grade 4 events	4889	4820	4774	10336	6514	4890
								3%	2%	3%	5%	3%	3%
							grade 5 events	4584	10356	4746	12132	6127	5191
								2%	5%	3%	6%	3%	3%
							grade 6 events	9329	47777	12422	47350	15922	11304
								5%	24%	7%	25%	8%	7%
							grade 7 events	82313	68804	77341	62151	83396	81330
								52%	35%	49%	33%	46%	51%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	103.0151736501936	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	0.02437114233975924	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	25.16035307483487	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	377917725.960111	377917724.9351			
Observation start date	2009-12-23T01:08:46	2009-12-23T01:08:44			
[s] Observation end time (MET)	377927906.260626	377927905.23562			
Observation end date	2009-12-23T03:58:26	2009-12-23T03:58:25			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4282914224863

A.2 Comments