

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53687 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 19 2013

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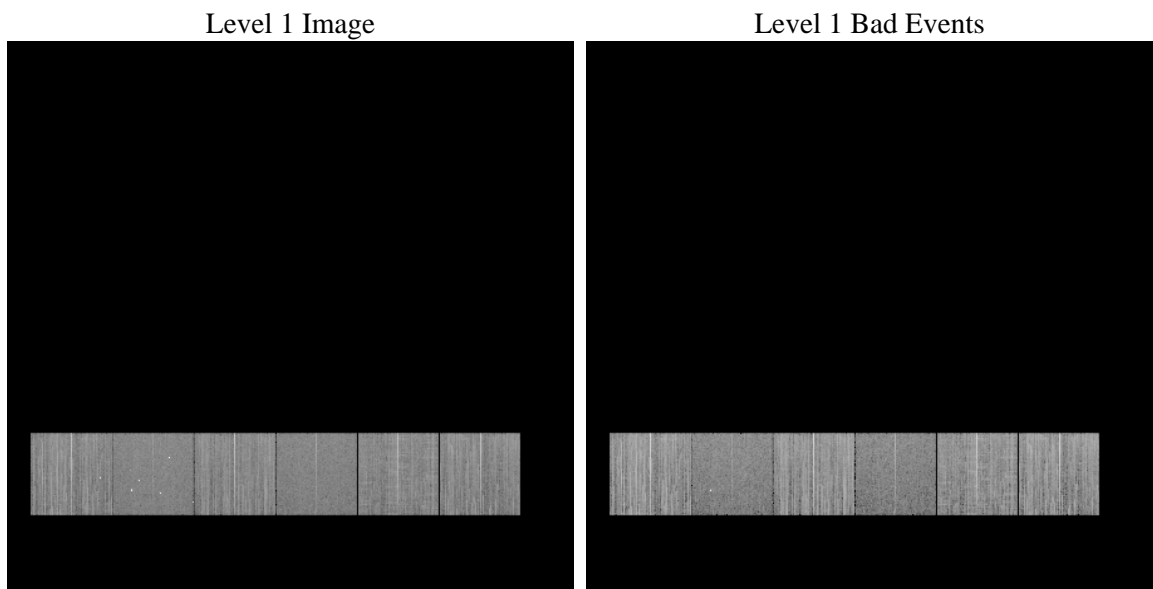
1 Front

seq_num	 	Sequence number
obs_id	53687	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	252.01653912876	Nominal RA [deg]
dec_nom	5.3705834311491	Nominal Dec [deg]
roll_nom	139.44979740127	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8220.7999694347	Sum of GTIs [s]
livetime	8116.7032502503	Livetime [s]
ontime4	8220.7999694347	Sum of GTIs [s]
ontime5	8220.7999694347	Sum of GTIs [s]
ontime6	8220.7999694347	Sum of GTIs [s]
ontime7	8220.7999694347	Sum of GTIs [s]
ontime8	8220.7999694347	Sum of GTIs [s]
ontime9	8220.7999694347	Sum of GTIs [s]
l2events	235235	Number of level 2 events

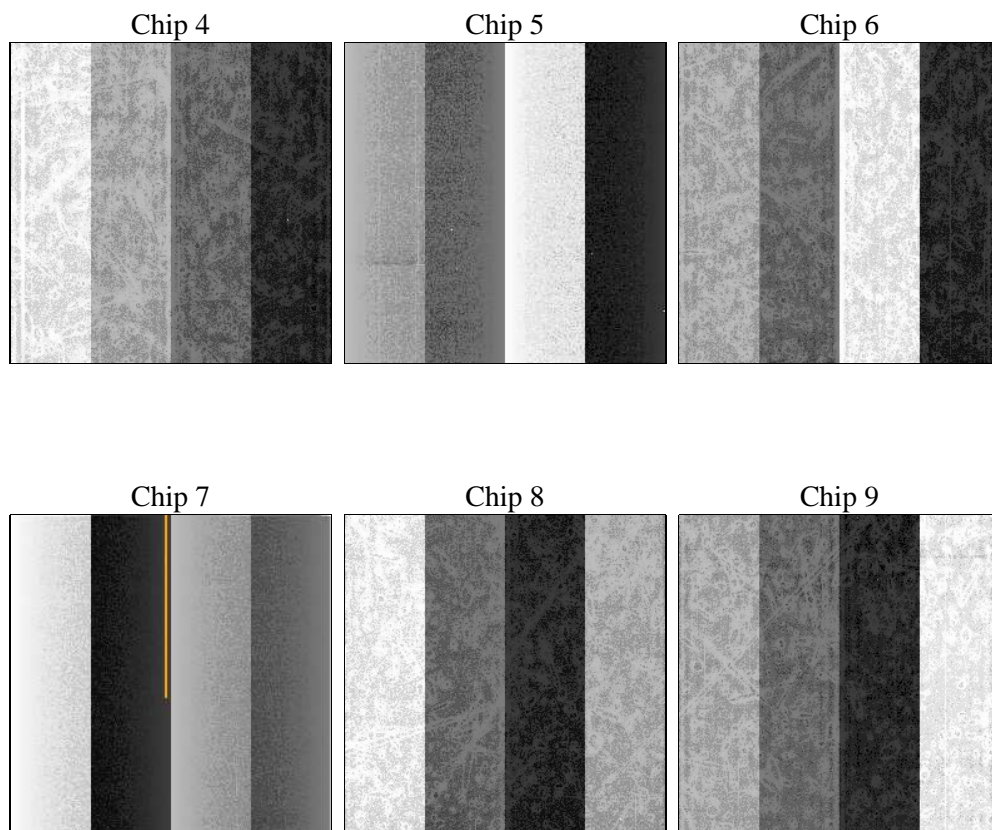
2 OBI

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	8.5.1.1	Processing system revision	ontime	8220.7999694347	Sum of GTIs [s]
caldbver	4.5.6	 	ontime4	8220.7999694347	Sum of GTIs [s]
date	2013-05-19T07:34:30	Date and time of file creation	ontime5	8220.7999694347	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8220.7999694347	Sum of GTIs [s]
			ontime7	8220.7999694347	Sum of GTIs [s]
			ontime8	8220.7999694347	Sum of GTIs [s]
			ontime9	8220.7999694347	Sum of GTIs [s]
			l1events	871548	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	160482	134751	155219	119668	149948	151480	grade 0 events	20007	12575	17267	8532	19770	17152
rejected events	125638	69066	120585	63483	107983	117998		12%	9%	11%	7%	13%	11%
rejected %	78%	51%	77%	53%	72%	77%	grade 1 events	139	538	94	75	87	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	6206	22752	7403	14006	8531	6663
								3%	16%	4%	11%	5%	4%
							grade 3 events	2210	1974	2156	4590	3026	2196
								1%	1%	1%	3%	2%	1%
							grade 4 events	2224	2033	2209	4565	3005	2231
								1%	1%	1%	3%	2%	1%
							grade 5 events	3048	5847	2920	6960	3777	3250
								1%	4%	1%	5%	2%	2%
							grade 6 events	4488	26808	5844	24959	7960	5511
								2%	19%	3%	20%	5%	3%
							grade 7 events	122160	62224	117326	55981	103792	114388
								76%	46%	75%	46%	69%	75%

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	252.0165391287566
[deg] Pointing Dec	0	5.370583431149075
[deg] Pointing Roll	0.0	139.4497974012697
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	485270799.521376	485270799.521376
Observation start date	2013-05-18T13:26:40	2013-05-18T13:26:39
[s] Observation end time (MET)	485280347.539663	485280347.539663
Observation end date	2013-05-18T16:05:48	2013-05-18T16:05:47
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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)	2013.05.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2207999694347

A.2 Comments