

V&V Reference Report

L2 ASCDS Version : 10

Observation 53382 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 23 2013

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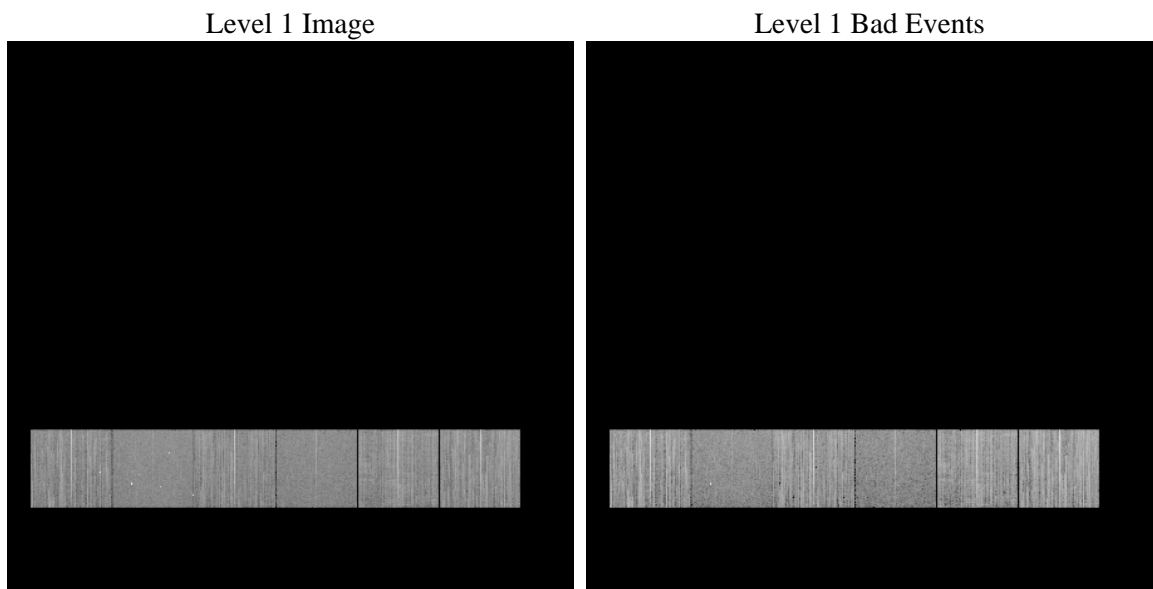
1 Front

seq_num	 	Sequence number
obs_id	53382	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	262.92042847174	Nominal RA [deg]
dec_nom	-35.34670166833	Nominal Dec [deg]
roll_nom	269.90272263036	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7574.2474367619	Sum of GTIs [s]
livetime	7478.3377550533	Livetime [s]
ontime4	7574.124316752	Sum of GTIs [s]
ontime5	7574.2063967586	Sum of GTIs [s]
ontime6	7574.1653567553	Sum of GTIs [s]
ontime7	7574.2474367619	Sum of GTIs [s]
ontime8	7574.0832767487	Sum of GTIs [s]
ontime9	7574.2884767652	Sum of GTIs [s]
l2events	238186	Number of level 2 events

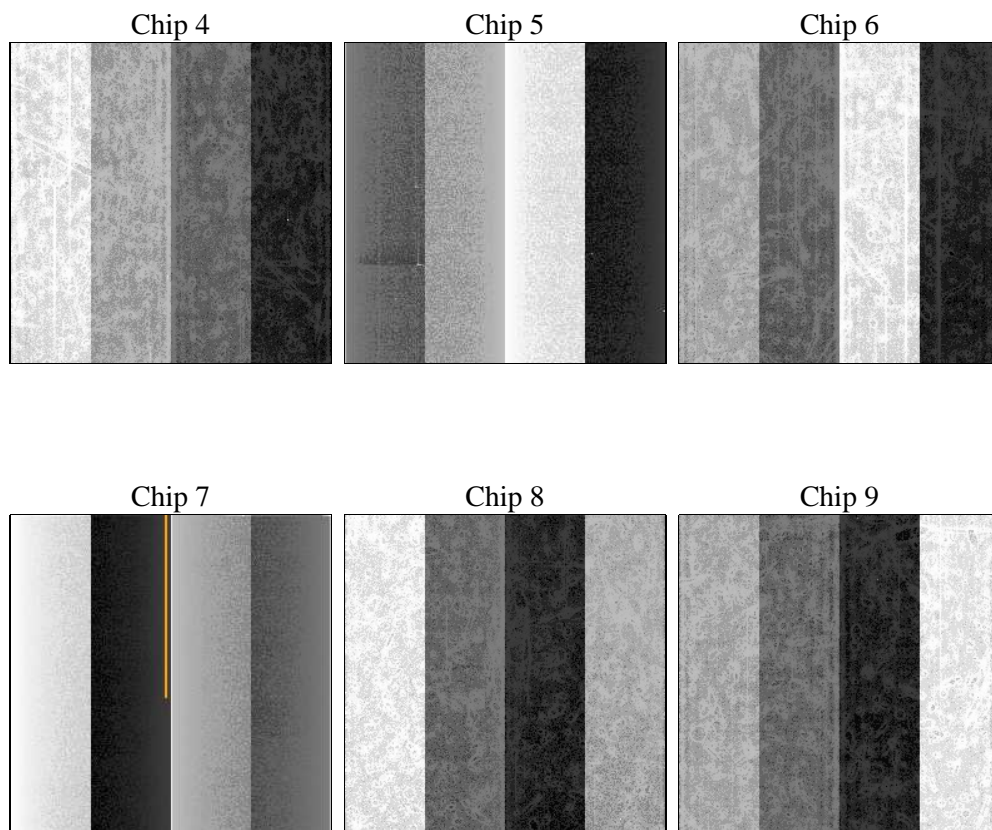
2 OBI

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	10	Processing system revision	ontime	7574.2474367619	Sum of GTIs [s]
caldsver	4.5.8	 	ontime4	7574.124316752	Sum of GTIs [s]
date	2013-09-23T06:41:34	Date and time of file creation	ontime5	7574.2063967586	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7574.1653567553	Sum of GTIs [s]
			ontime7	7574.2474367619	Sum of GTIs [s]
			ontime8	7574.0832767487	Sum of GTIs [s]
			ontime9	7574.2884767652	Sum of GTIs [s]
			l1events	839349	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	143713	128928	139639	115555	150569	160945	grade 0 events	19587	8062	17041	8730	19814	16861
rejected events	108129	68118	104283	59736	107257	126771		13%	6%	12%	7%	13%	10%
rejected %	75%	52%	74%	51%	71%	78%	grade 1 events	151	272	77	78	106	90
								0%	0%	0%	0%	0%	0%
							grade 2 events	6401	23338	7213	13820	8634	6690
								4%	18%	5%	11%	5%	4%
							grade 3 events	2395	2109	2293	4516	3228	2392
								1%	1%	1%	3%	2%	1%
							grade 4 events	2338	1968	2245	4520	3206	2261
								1%	1%	1%	3%	2%	1%
							grade 5 events	2762	5764	2875	6540	3721	3181
								1%	4%	2%	5%	2%	1%
							grade 6 events	5200	25791	6909	24673	8813	6277
								3%	20%	4%	21%	5%	3%
							grade 7 events	104879	61624	100986	52678	103047	123193
								72%	47%	72%	45%	68%	76%

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	262.9204284717384
[deg] Pointing Dec	0	-35.34670166832967
[deg] Pointing Roll	0.0	269.9027226303574
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)	496241596.518469	496241596.518469
Observation start date	2013-09-22T12:53:17	2013-09-22T12:53:16
[s] Observation end time (MET)	496251019.529124	496251019.529124
Observation end date	2013-09-22T15:30:20	2013-09-22T15:30:19
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)	2013.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5742474367619

A.2 Comments