

V&V Reference Report

L2 ASCDS Version : 10.0.1

Observation 53399 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 15 2013

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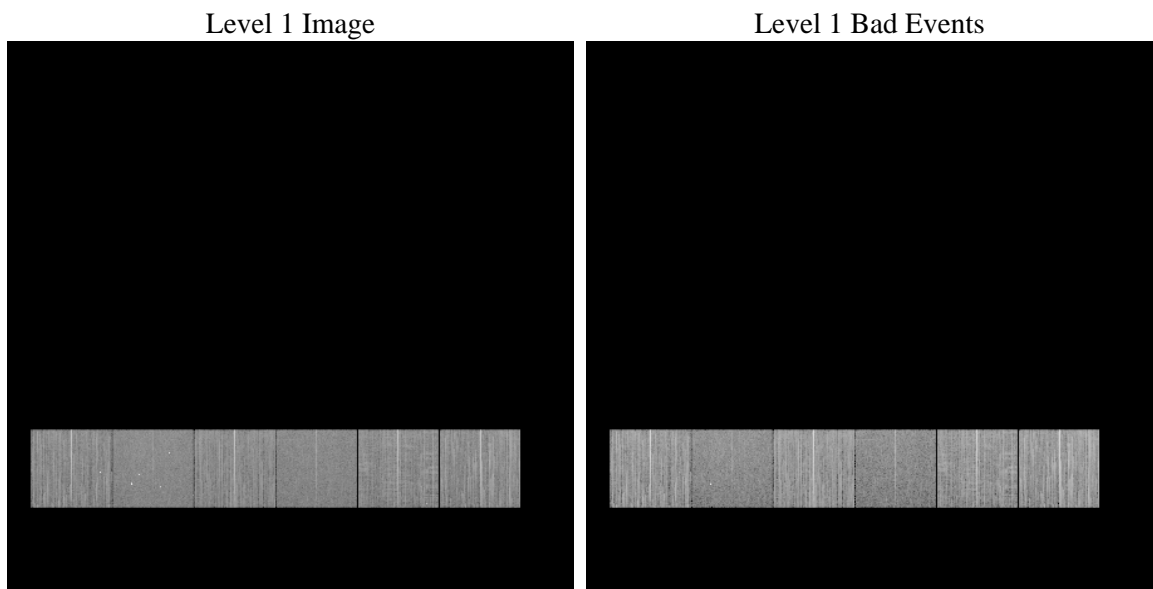
1 Front

seq_num	 	Sequence number
obs_id	53399	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	355.11211540401	Nominal RA [deg]
dec_nom	-19.63625709659	Nominal Dec [deg]
roll_nom	22.318565672748	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8211.1999694705	Sum of GTIs [s]
livetime	8107.224811266	Livetime [s]
ontime4	8211.1999694705	Sum of GTIs [s]
ontime5	8211.1999694705	Sum of GTIs [s]
ontime6	8211.1999694705	Sum of GTIs [s]
ontime7	8211.1999694705	Sum of GTIs [s]
ontime8	8211.1999694705	Sum of GTIs [s]
ontime9	8211.1999694705	Sum of GTIs [s]
l2events	229036	Number of level 2 events

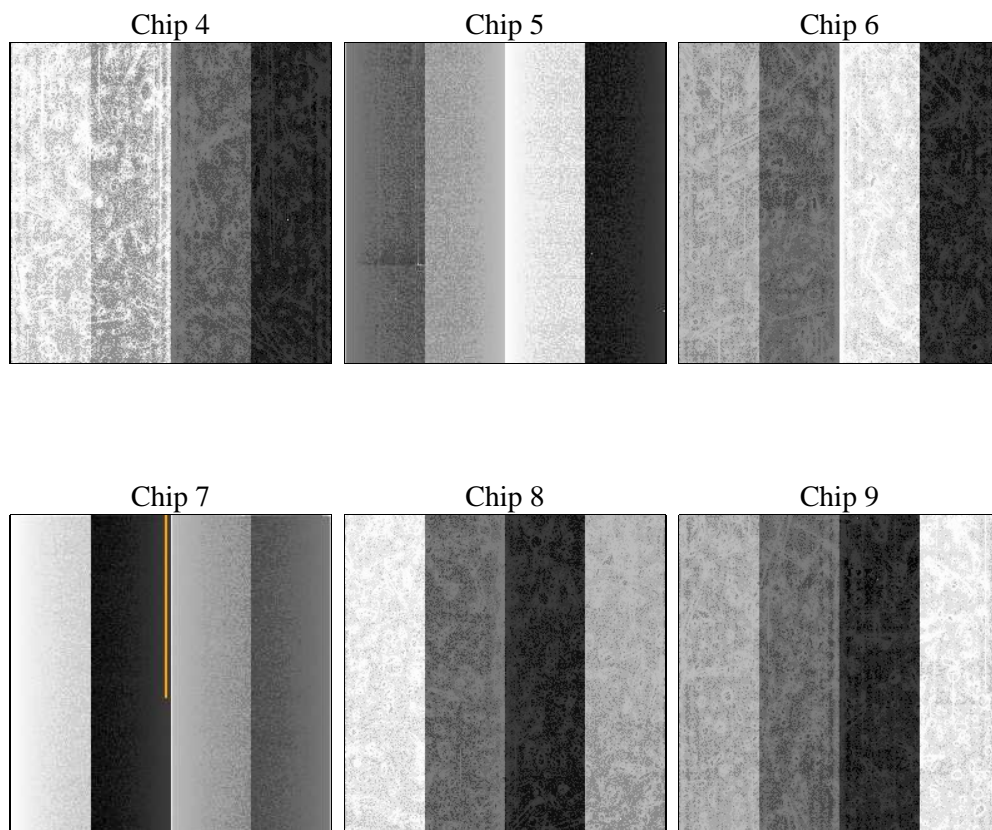
2 OBI

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	8211.1999694705	Sum of GTIs [s]
caldsver	4.5.8	 	ontime4	8211.1999694705	Sum of GTIs [s]
date	2013-09-15T04:00:52	Date and time of file creation	ontime5	8211.1999694705	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8211.1999694705	Sum of GTIs [s]
			ontime7	8211.1999694705	Sum of GTIs [s]
			ontime8	8211.1999694705	Sum of GTIs [s]
			ontime9	8211.1999694705	Sum of GTIs [s]
			l1events	885300	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	152501	134634	152964	121599	152651	170951	grade 0 events	18781	8334	15785	8531	18326	16211
rejected events	119295	72454	120786	65608	111746	139189		12%	6%	10%	7%	12%	9%
rejected %	78%	53%	78%	53%	73%	81%	grade 1 events	128	129	86	96	91	74
								0%	0%	0%	0%	0%	0%
							grade 2 events	6028	22683	6638	13739	8588	6283
								3%	16%	4%	11%	5%	3%
							grade 3 events	2236	2228	2175	4691	3216	2241
								1%	1%	1%	3%	2%	1%
							grade 4 events	2192	2228	2193	4628	3135	2142
								1%	1%	1%	3%	2%	1%
							grade 5 events	3050	6274	2968	7438	3981	3444
								1%	4%	1%	6%	2%	2%
							grade 6 events	4342	27302	5757	25003	8121	5276
								2%	20%	3%	20%	5%	3%
							grade 7 events	115744	65456	117362	57473	107193	135280
								75%	48%	76%	47%	70%	79%

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	355.1121154040129
[deg] Pointing Dec	0	-19.63625709659028
[deg] Pointing Roll	0.0	22.31856567274848
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)	495556929.281094	495556929.281094
Observation start date	2013-09-14T14:42:09	2013-09-14T14:42:09
[s] Observation end time (MET)	495565578.073116	495565578.073116
Observation end date	2013-09-14T17:06:18	2013-09-14T17:06:18
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)	2013.09.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2111999694705

A.2 Comments