

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53179 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 8 2013

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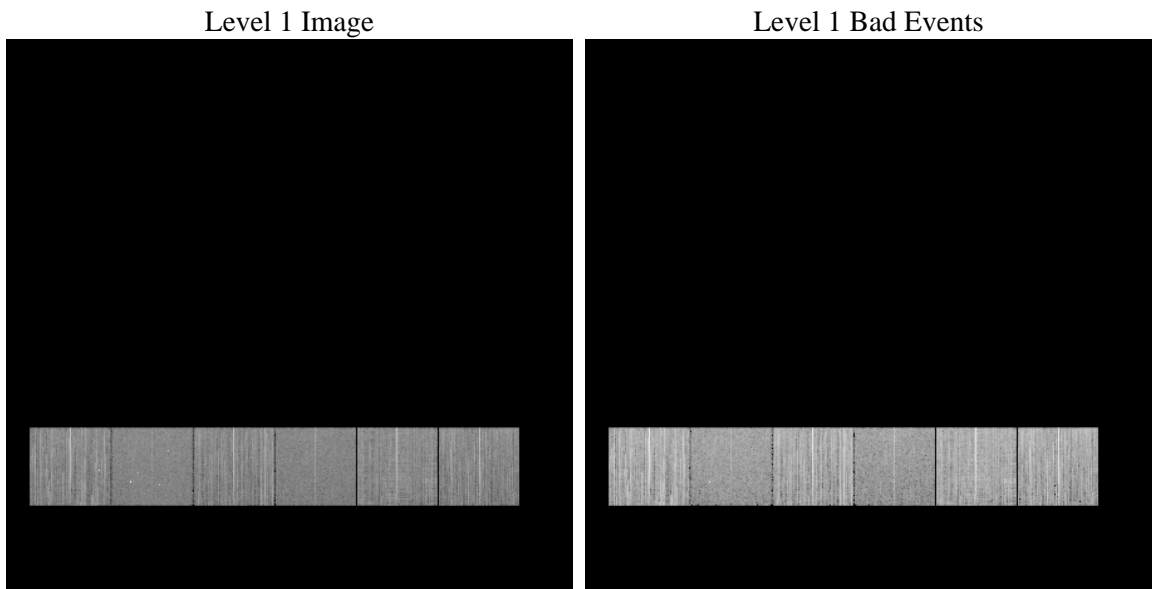
1 Front

seq_num	 	Sequence number
obs_id	53179	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	83.149167171323	Nominal RA [deg]
dec_nom	15.615015984699	Nominal Dec [deg]
roll_nom	192.53726689402	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7400.5253880024	Sum of GTIs [s]
livetime	7306.8154794781	Livetime [s]
ontime4	7400.4022679925	Sum of GTIs [s]
ontime5	7400.4843479991	Sum of GTIs [s]
ontime6	7400.4433079958	Sum of GTIs [s]
ontime7	7400.5253880024	Sum of GTIs [s]
ontime8	7400.3612279892	Sum of GTIs [s]
ontime9	7400.5664280057	Sum of GTIs [s]
l2events	191030	Number of level 2 events

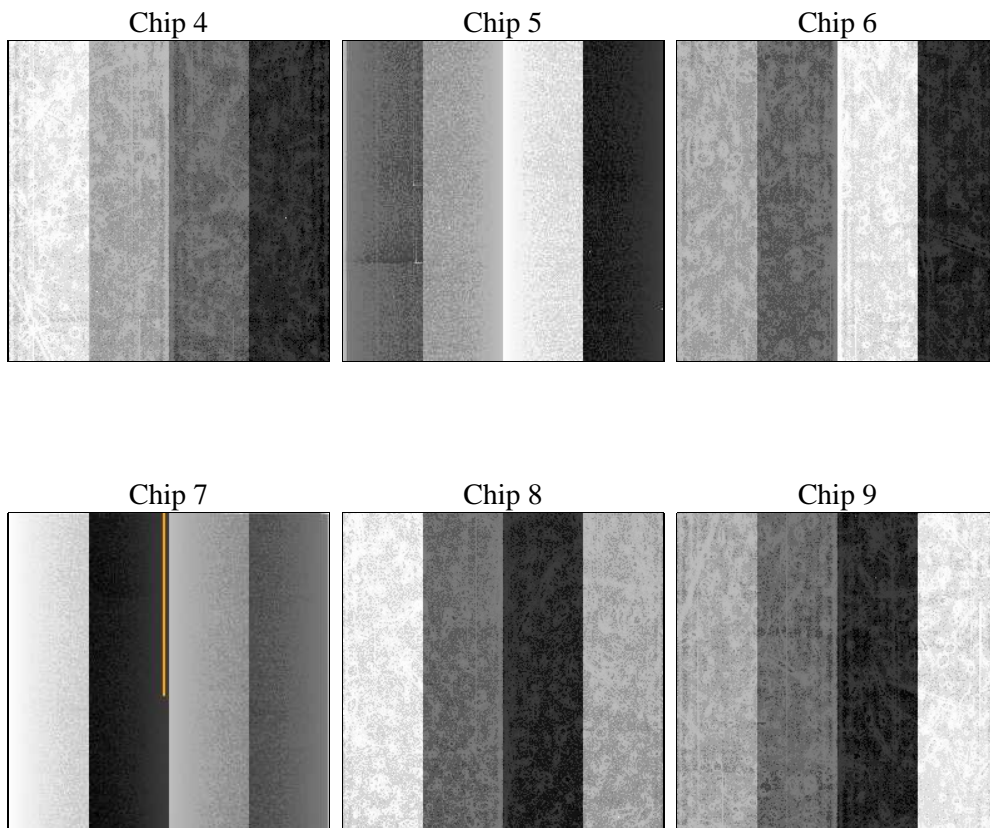
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.1.1	Processing system revision	ontime	7400.5253880024	Sum of GTIs [s]
caldsver	4.5.9	 	ontime4	7400.4022679925	Sum of GTIs [s]
date	2013-12-08T20:38:19	Date and time of file creation	ontime5	7400.4843479991	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7400.4433079958	Sum of GTIs [s]
			ontime7	7400.5253880024	Sum of GTIs [s]
			ontime8	7400.3612279892	Sum of GTIs [s]
			ontime9	7400.5664280057	Sum of GTIs [s]
			l1events	752717	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	139758	113917	129442	104381	137323	127896	grade 0 events	15717	6216	13305	7053	15347	13227
rejected events	112091	62216	102711	56664	103420	101571		11%	5%	10%	6%	11%	10%
rejected %	80%	54%	79%	54%	75%	79%	grade 1 events	110	117	58	62	81	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	5035	19788	5454	11783	6982	5248
								3%	17%	4%	11%	5%	4%
							grade 3 events	1909	1807	1829	3957	2795	1891
								1%	1%	1%	3%	2%	1%
							grade 4 events	1787	1721	1772	4113	2608	1809
								1%	1%	1%	3%	1%	1%
							grade 5 events	2577	5294	2658	6392	3566	2937
								1%	4%	2%	6%	2%	2%
							grade 6 events	3555	22797	4684	21314	6524	4436
								2%	20%	3%	20%	4%	3%
							grade 7 events	109068	56177	99682	49707	99420	98284
								78%	49%	77%	47%	72%	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	83.14916717132336
[deg] Pointing Dec	0	15.61501598469916
[deg] Pointing Roll	0.0	192.5372668940229
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)	502868228.031275	502868228.031275
Observation start date	2013-12-08T05:37:08	2013-12-08T05:37:08
[s] Observation end time (MET)	502877486.970163	502877486.970163
Observation end date	2013-12-08T08:11:27	2013-12-08T08:11:26
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.12.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4005253880024

A.2 Comments