

V&V Reference Report

L2 ASCDS Version : 10

Observation 53474 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 17 2013

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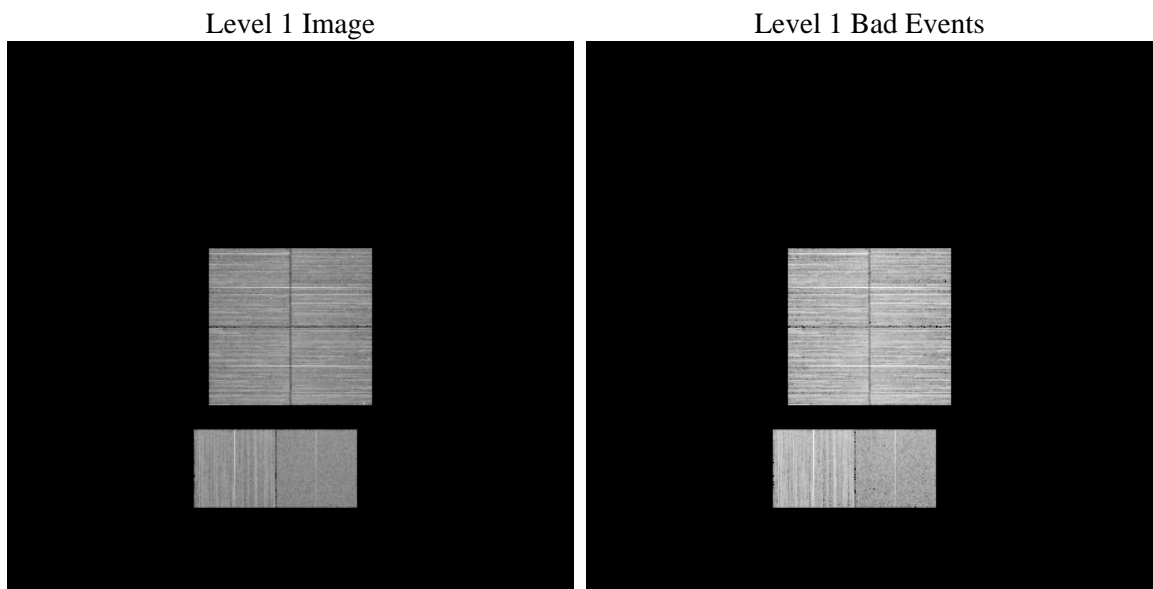
1 Front

seq_num	 	Sequence number
obs_id	53474	Observation id
title	ACIS-012367 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	350.06239844543	Nominal RA [deg]
dec_nom	-33.000495057376	Nominal Dec [deg]
roll_nom	54.281920066068	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7250.1103844643	Sum of GTIs [s]
livetime	7158.3051212838	Livetime [s]
ontime0	7250.140545547	Sum of GTIs [s]
ontime1	7251.1480541229	Sum of GTIs [s]
ontime2	7247.8660038114	Sum of GTIs [s]
ontime3	7250.069344461	Sum of GTIs [s]
ontime6	7251.0659741163	Sum of GTIs [s]
ontime7	7250.1103844643	Sum of GTIs [s]
l2events	198695	Number of level 2 events

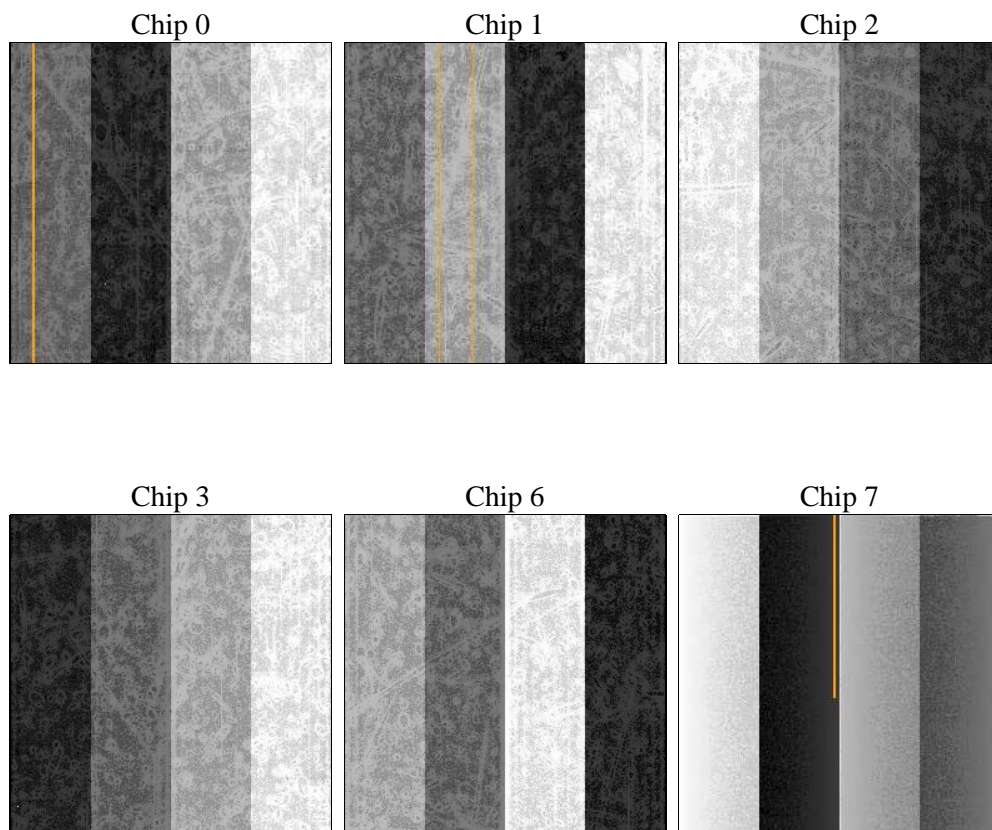
2 OBI

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	7250.1103844643	Sum of GTIs [s]
caldsver	4.5.7	 	ontime0	7250.140545547	Sum of GTIs [s]
date	2013-08-17T04:33:38	Date and time of file creation	ontime1	7251.1480541229	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7247.8660038114	Sum of GTIs [s]
			ontime3	7250.069344461	Sum of GTIs [s]
			ontime6	7251.0659741163	Sum of GTIs [s]
			ontime7	7250.1103844643	Sum of GTIs [s]
			l1events	838978	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	140419	143975	143389	149350	149369	112476	grade 0 events	12397	11247	13731	15260	9742	6979
rejected events	108942	111906	112047	115732	116809	60413		8%	7%	9%	10%	6%	6%
rejected %	77%	77%	78%	77%	78%	53%	grade 1 events	57	42	63	64	45	78
								0%	0%	0%	0%	0%	0%
							grade 2 events	9849	11622	8730	9085	13133	12992
								7%	8%	6%	6%	8%	11%
							grade 3 events	1673	1349	1643	1654	1209	3798
								1%	0%	1%	1%	0%	3%
							grade 4 events	1568	1351	1705	1761	1319	3704
								1%	0%	1%	1%	0%	3%
							grade 5 events	2034	1925	1975	2409	1997	5467
								1%	1%	1%	1%	1%	4%
							grade 6 events	5990	6522	5555	5858	7182	24590
								4%	4%	3%	3%	4%	21%
							grade 7 events	106851	109917	109987	113259	114742	54868
								76%	76%	76%	75%	76%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	350.0623984454307	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-33.00049505737601	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	54.28192006606751	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	493042872.693916	493042871.66892			
Observation start date	2013-08-16T12:21:13	2013-08-16T12:21:11			
[s] Observation end time (MET)	493055824.594622	493055823.56962			
Observation end date	2013-08-16T15:57:05	2013-08-16T15:57:03			
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)	2013.08.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.2501103844643

A.2 Comments