

V&V Reference Report

L2 ASCDS Version : 10

Observation 53593 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 3 2013

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

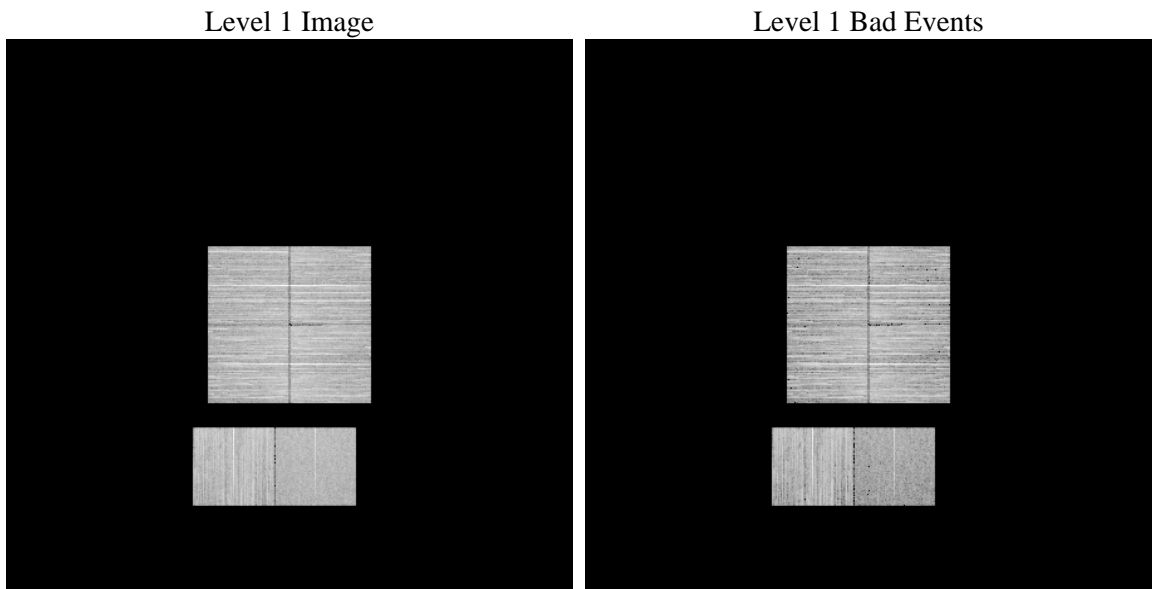
1 Front

seq_num	 	Sequence number
obs_id	53593	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	255.02691552083	Nominal RA [deg]
dec_nom	-36.015553739757	Nominal Dec [deg]
roll_nom	291.85867144561	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6819.1999746561	Sum of GTIs [s]
livetime	6732.8511585477	Livetime [s]
ontime0	6819.1999746561	Sum of GTIs [s]
ontime1	6819.1999746561	Sum of GTIs [s]
ontime2	6819.1999746561	Sum of GTIs [s]
ontime3	6819.1999746561	Sum of GTIs [s]
ontime6	6819.1999746561	Sum of GTIs [s]
ontime7	6819.1999746561	Sum of GTIs [s]
l2events	167937	Number of level 2 events

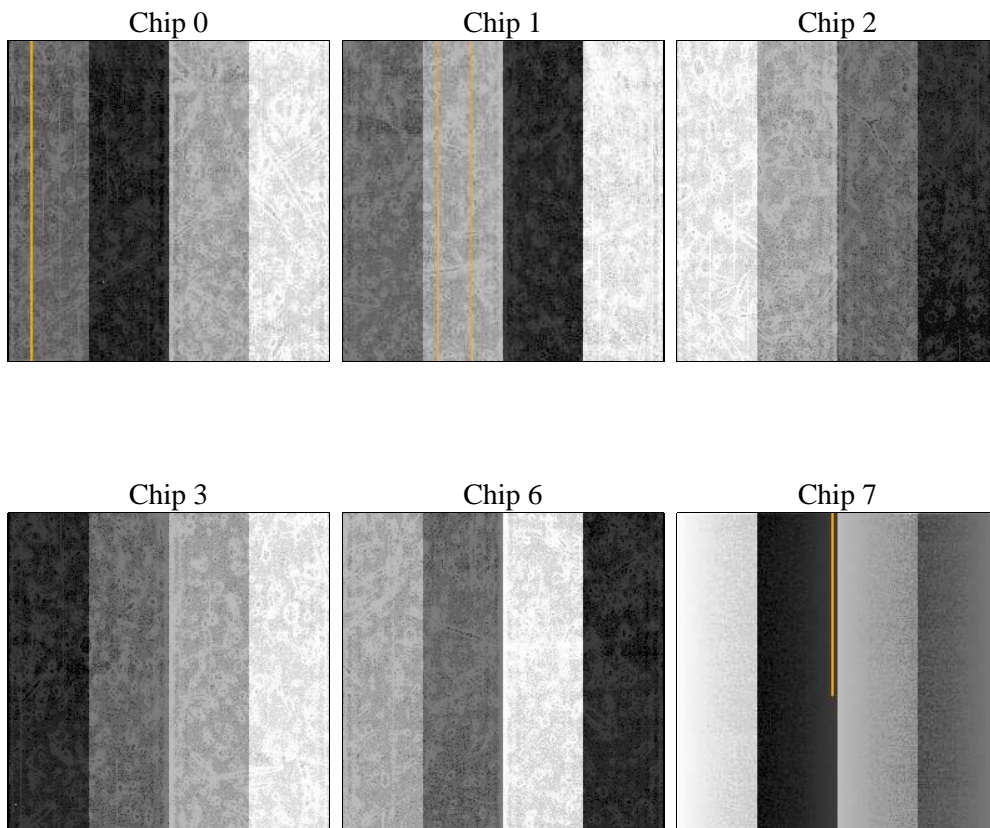
2 OBI

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	6819.1999746561	Sum of GTIs [s]
caldsver	4.5.7	 	ontime0	6819.1999746561	Sum of GTIs [s]
date	2013-07-03T16:32:48	Date and time of file creation	ontime1	6819.1999746561	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6819.1999746561	Sum of GTIs [s]
			ontime3	6819.1999746561	Sum of GTIs [s]
			ontime6	6819.1999746561	Sum of GTIs [s]
			ontime7	6819.1999746561	Sum of GTIs [s]
			l1events	725111	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	117867	124127	126728	129819	125406	101164	grade 0 events	13284	13066	13400	13700	13655	6832
rejected events	92082	98012	100888	103663	98188	54336		11%	10%	10%	10%	10%	6%
rejected %	78%	78%	79%	79%	78%	53%	grade 1 events	68	58	73	92	64	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	5003	5367	4968	4931	5348	11327
								4%	4%	3%	3%	4%	11%
							grade 3 events	1769	1705	1771	1808	1735	3931
								1%	1%	1%	1%	1%	3%
							grade 4 events	1759	1711	1840	1836	1856	3950
								1%	1%	1%	1%	1%	3%
							grade 5 events	2275	2402	2185	2558	2503	6065
								1%	1%	1%	1%	1%	5%
							grade 6 events	3983	4279	3870	3891	4640	20808
								3%	3%	3%	2%	3%	20%
							grade 7 events	89726	95539	98621	101003	95605	48169
								76%	76%	77%	77%	76%	47%

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	255.0269155208301	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-36.01555373975725	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	291.8586714456109	[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)	489188314.884055	489188313.85906			
Observation start date	2013-07-02T21:38:35	2013-07-02T21:38:33			
[s] Observation end time (MET)	489198206.134593	489198205.10959			
Observation end date	2013-07-03T00:23:26	2013-07-03T00:23:25			
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)	2013.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.8191999746561

A.2 Comments