

V&V Reference Report

L2 ASCDS Version : 10

Observation 53557 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 16 2013

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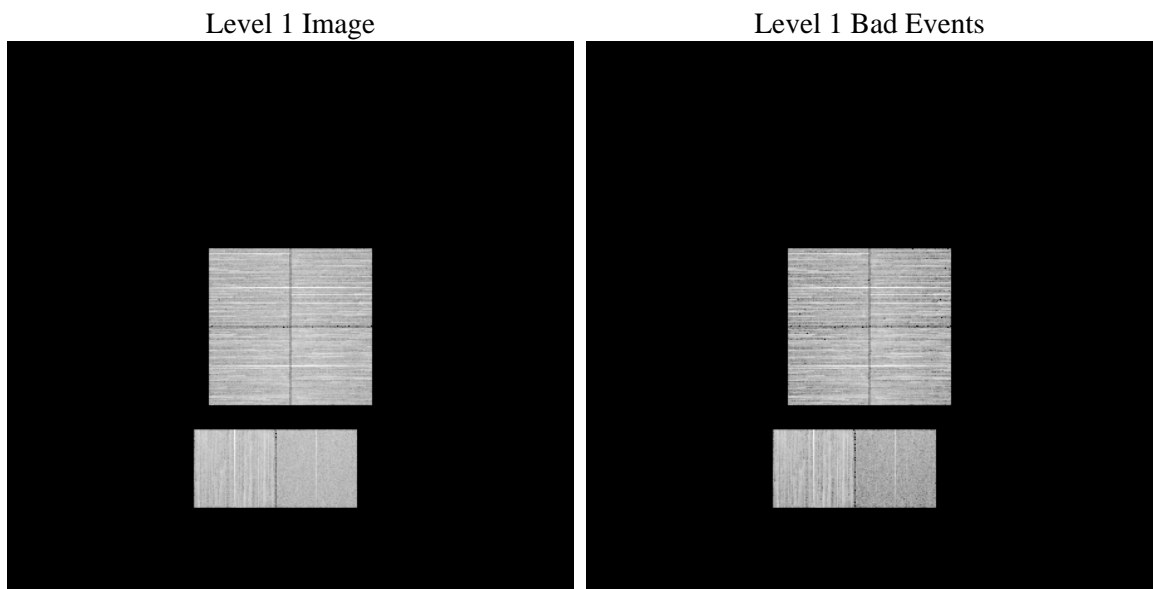
1 Front

seq_num	 	Sequence number
obs_id	53557	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	309.37300497097	Nominal RA [deg]
dec_nom	-7.498970978999	Nominal Dec [deg]
roll_nom	133.85851347848	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8195.1999695301	Sum of GTIs [s]
livetime	8091.4274129589	Livetime [s]
ontime0	8195.1999695301	Sum of GTIs [s]
ontime1	8195.1999695301	Sum of GTIs [s]
ontime2	8195.1999695301	Sum of GTIs [s]
ontime3	8195.1999695301	Sum of GTIs [s]
ontime6	8195.1999695301	Sum of GTIs [s]
ontime7	8195.1999695301	Sum of GTIs [s]
l2events	205270	Number of level 2 events

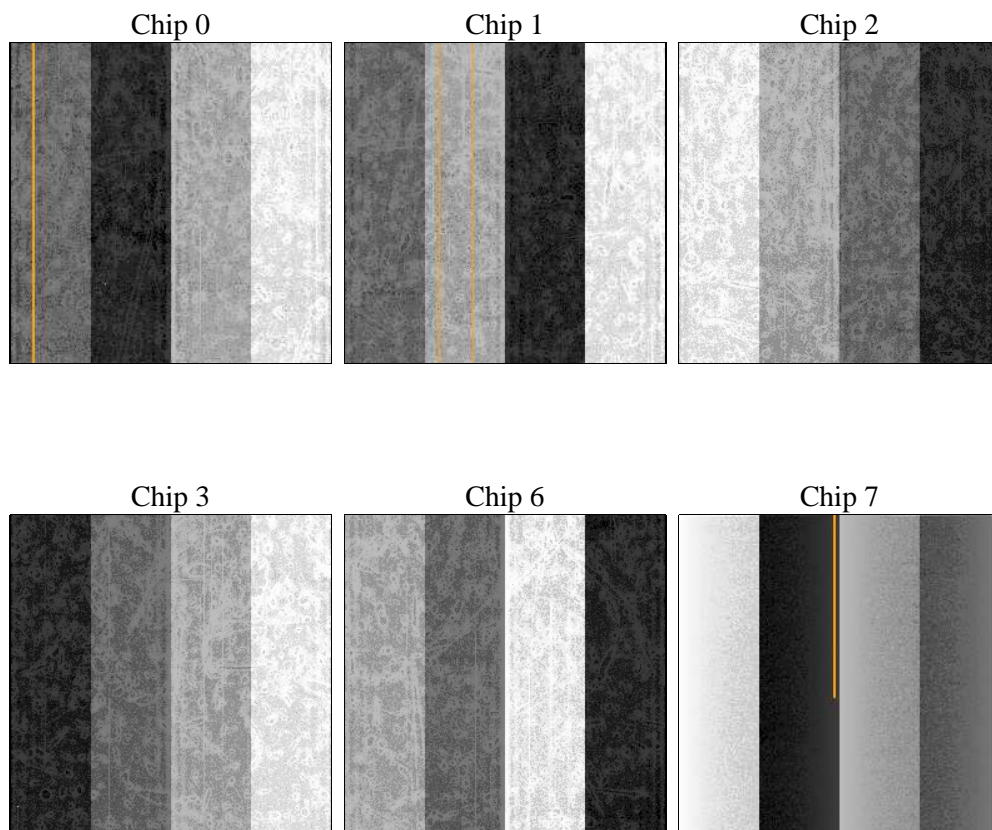
2 OBI

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	8195.1999695301	Sum of GTIs [s]
caldsver	4.5.7	 	ontime0	8195.1999695301	Sum of GTIs [s]
date	2013-07-16T05:23:08	Date and time of file creation	ontime1	8195.1999695301	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8195.1999695301	Sum of GTIs [s]
			ontime3	8195.1999695301	Sum of GTIs [s]
			ontime6	8195.1999695301	Sum of GTIs [s]
			ontime7	8195.1999695301	Sum of GTIs [s]
			l1events	839335	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	135461	138217	142937	149729	153460	119531	grade 0 events	16357	16016	17116	17082	16943	8524
rejected events	103739	106262	111060	117461	120006	63655		12%	11%	11%	11%	11%	7%
rejected %	76%	76%	77%	78%	78%	53%	grade 1 events	68	63	81	83	72	80
								0%	0%	0%	0%	0%	0%
							grade 2 events	6397	6754	6051	6188	6814	13910
								4%	4%	4%	4%	4%	11%
							grade 3 events	2228	2129	2160	2243	2176	4787
								1%	1%	1%	1%	1%	4%
							grade 4 events	2083	2143	2107	2299	2162	4625
								1%	1%	1%	1%	1%	3%
							grade 5 events	2698	2818	2587	2973	2912	7210
								1%	2%	1%	1%	1%	6%
							grade 6 events	5085	5333	4827	4901	5806	24736
								3%	3%	3%	3%	3%	20%
							grade 7 events	100545	102961	108008	113960	116575	55659
								74%	74%	75%	76%	75%	46%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	309.3730049709665
[deg] Pointing Dec	0	-7.498970978998974
[deg] Pointing Roll	0.0	133.8585134784849
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)	490301399.344521	490301399.344521
Observation start date	2013-07-15T18:49:59	2013-07-15T18:49:59
[s] Observation end time (MET)	490310199.618429	490310199.618429
Observation end date	2013-07-15T21:16:40	2013-07-15T21:16:39
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)	2013.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1951999695301

A.2 Comments