

V&V Reference Report

L2 ASCDS Version : 10

Observation 53630 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 17 2013

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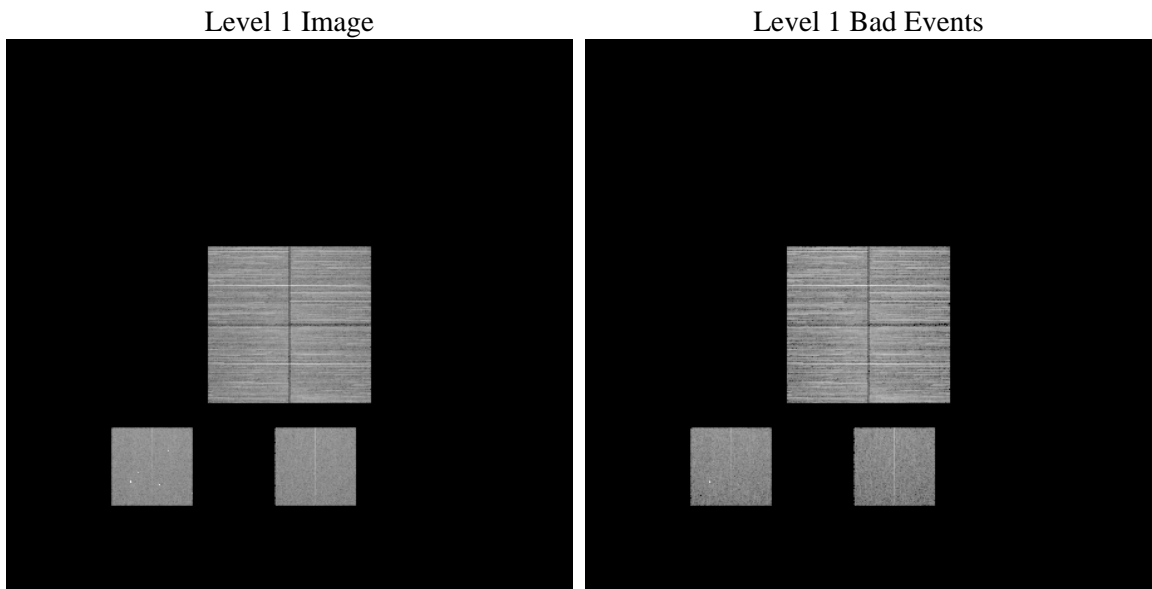
1 Front

seq_num	 	Sequence number
obs_id	53630	Observation id
title	ACIS-012357 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	294.47426966442	Nominal RA [deg]
dec_nom	-20.211645749728	Nominal Dec [deg]
roll_nom	101.99697416235	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8098.4118469357	Sum of GTIs [s]
livetime	7995.8648798517	Livetime [s]
ontime0	8098.3708069324	Sum of GTIs [s]
ontime1	8098.3297669291	Sum of GTIs [s]
ontime2	8098.2887269258	Sum of GTIs [s]
ontime3	8098.452886939	Sum of GTIs [s]
ontime5	8098.2476869226	Sum of GTIs [s]
ontime7	8098.4118469357	Sum of GTIs [s]
l2events	227217	Number of level 2 events

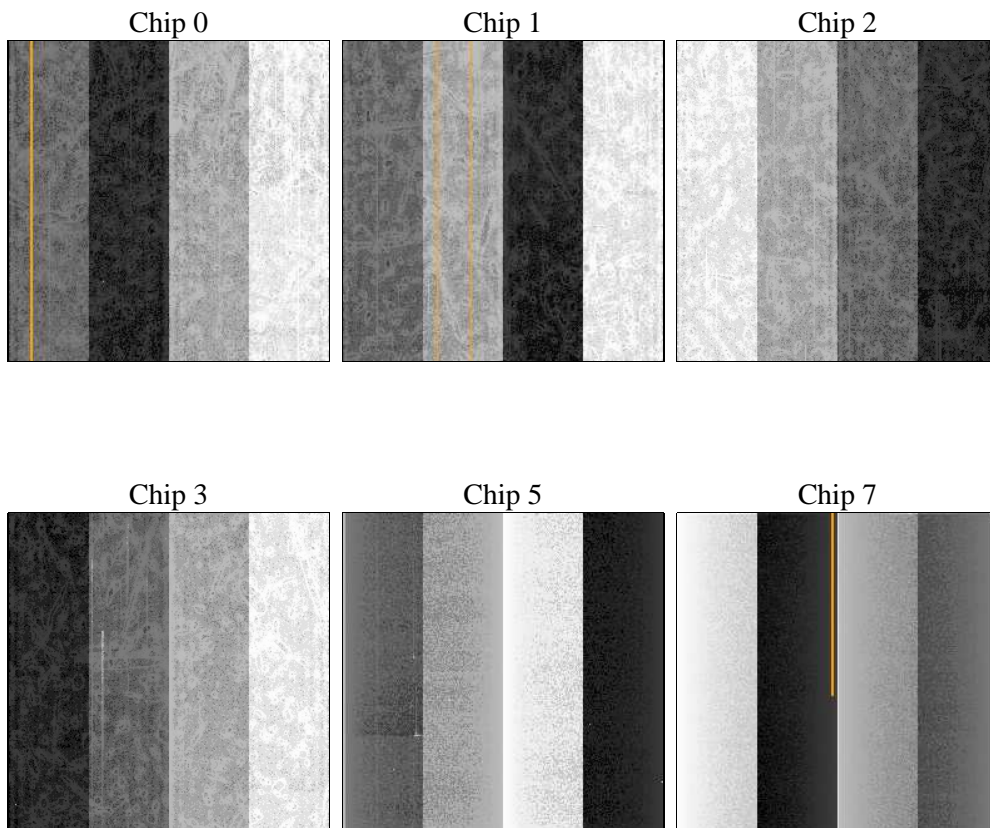
2 OBI

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	Processing system revision	ontime	8098.4118469357	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8098.3708069324	Sum of GTIs [s]
date	2013-06-17T06:33:42	Date and time of file creation	ontime1	8098.3297669291	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8098.2887269258	Sum of GTIs [s]
			ontime3	8098.452886939	Sum of GTIs [s]
			ontime5	8098.2476869226	Sum of GTIs [s]
			ontime7	8098.4118469357	Sum of GTIs [s]
			l1events	855978	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	156218	152125	142567	149786	133382	121900	grade 0 events	15978	15597	16791	16772	8686	8670
rejected events	125257	121227	111126	118659	71947	65685		10%	10%	11%	11%	6%	7%
rejected %	80%	79%	77%	79%	53%	53%	grade 1 events	58	72	96	95	130	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	6328	6574	6210	5876	22792	14121
								4%	4%	4%	3%	17%	11%
							grade 3 events	2193	2127	2173	2196	2287	4820
								1%	1%	1%	1%	1%	3%
							grade 4 events	2100	2059	2191	2270	2216	4854
								1%	1%	1%	1%	1%	3%
							grade 5 events	2781	2816	2614	3104	6058	7278
								1%	1%	1%	2%	4%	5%
							grade 6 events	5085	5274	4865	4763	26872	25040
								3%	3%	3%	3%	20%	20%
							grade 7 events	121695	117606	107627	114710	64341	57035
								77%	77%	75%	76%	48%	46%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	294.474269664424
[deg] Pointing Dec	0	-20.21164574972774
[deg] Pointing Roll	0.0	101.9969741623524
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)	487786444.857909	487786444.857909
Observation start date	2013-06-16T16:14:05	2013-06-16T16:14:04
[s] Observation end time (MET)	487795992.087108	487795992.087108
Observation end date	2013-06-16T18:53:12	2013-06-16T18:53:12
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)	2013.06.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0984118469357

A.2 Comments