

V&V Reference Report

L2 ASCDS Version : 10

Observation 53607 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 27 2013

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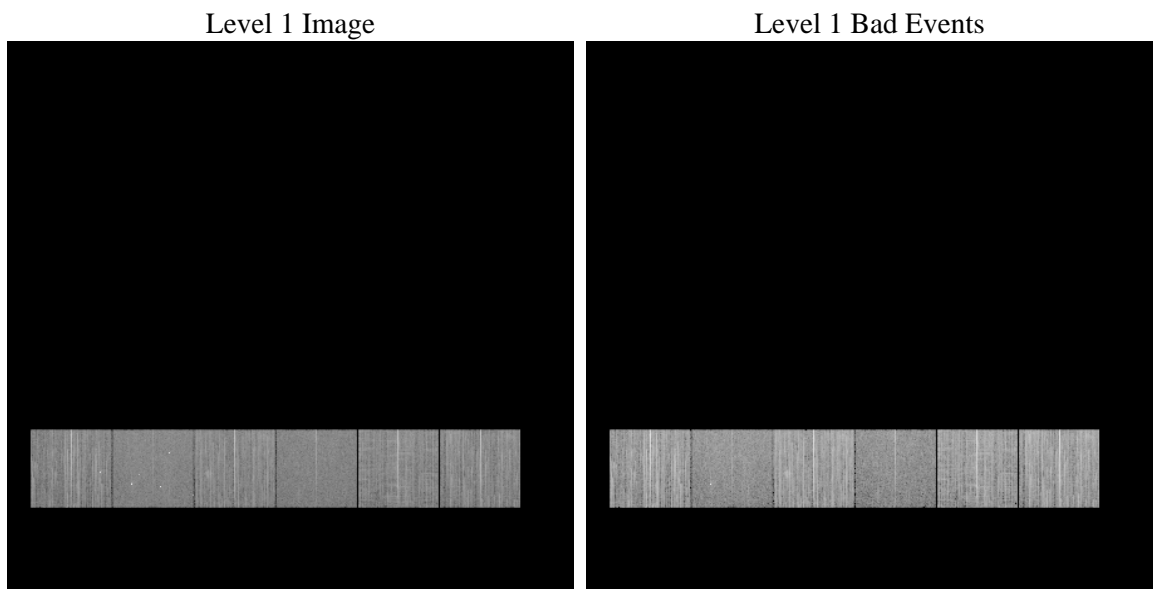
1 Front

seq_num	 	Sequence number
obs_id	53607	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	261.83653812172	Nominal RA [deg]
dec_nom	14.064548703649	Nominal Dec [deg]
roll_nom	191.45388066646	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8217.5999694467	Sum of GTIs [s]
livetime	8113.5437705889	Livetime [s]
ontime4	8217.5999694467	Sum of GTIs [s]
ontime5	8217.5999694467	Sum of GTIs [s]
ontime6	8214.3589692116	Sum of GTIs [s]
ontime7	8217.5999694467	Sum of GTIs [s]
ontime8	8217.5999694467	Sum of GTIs [s]
ontime9	8217.5999694467	Sum of GTIs [s]
l2events	231894	Number of level 2 events

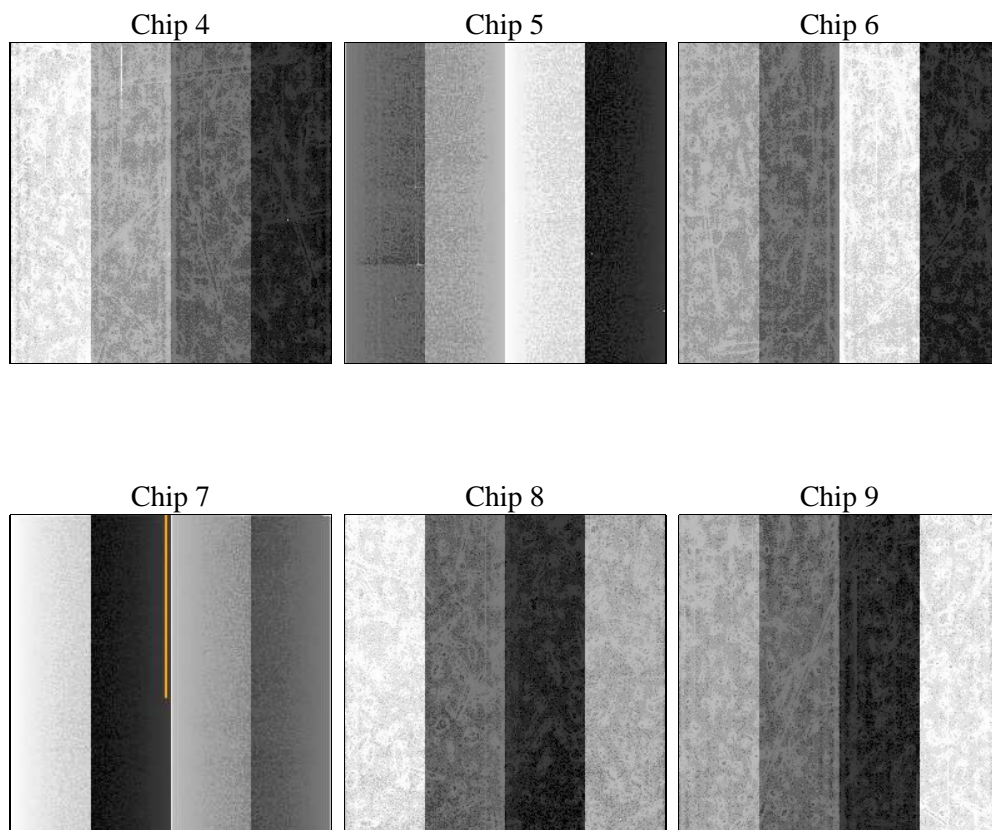
2 OBI

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	8217.5999694467	Sum of GTIs [s]
caldsver	4.5.6	 	ontime4	8217.5999694467	Sum of GTIs [s]
date	2013-06-27T21:30:11	Date and time of file creation	ontime5	8217.5999694467	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8214.3589692116	Sum of GTIs [s]
			ontime7	8217.5999694467	Sum of GTIs [s]
			ontime8	8217.5999694467	Sum of GTIs [s]
			ontime9	8217.5999694467	Sum of GTIs [s]
			l1events	869314	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	148412	135045	153542	120171	154679	157465	grade 0 events	18455	9285	16674	8340	18938	16488
rejected events	115322	71443	120106	63846	112751	124974		12%	6%	10%	6%	12%	10%
rejected %	77%	52%	78%	53%	72%	79%	grade 1 events	146	133	71	71	108	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	6050	23858	6730	14026	8722	6489
								4%	17%	4%	11%	5%	4%
							grade 3 events	2251	2305	2284	4683	3350	2254
								1%	1%	1%	3%	2%	1%
							grade 4 events	2227	2185	2221	4699	3287	2218
								1%	1%	1%	3%	2%	1%
							grade 5 events	3066	5993	3025	7280	4080	3334
								2%	4%	1%	6%	2%	2%
							grade 6 events	4394	26481	5767	25031	8030	5307
								2%	19%	3%	20%	5%	3%
							grade 7 events	111823	64805	116770	56041	108164	121294
								75%	47%	76%	46%	69%	77%

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	261.8365381217235
[deg] Pointing Dec	0	14.06454870364898
[deg] Pointing Roll	0.0	191.4538806664621
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)	488697477.207372	488697477.207372
Observation start date	2013-06-27T05:17:57	2013-06-27T05:17:57
[s] Observation end time (MET)	488707556.66234	488707556.66234
Observation end date	2013-06-27T08:05:57	2013-06-27T08:05:56
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)	2013.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2175999694467

A.2 Comments