

V&V Reference Report

L2 ASCDS Version : 10

Observation 53559 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 14 2013

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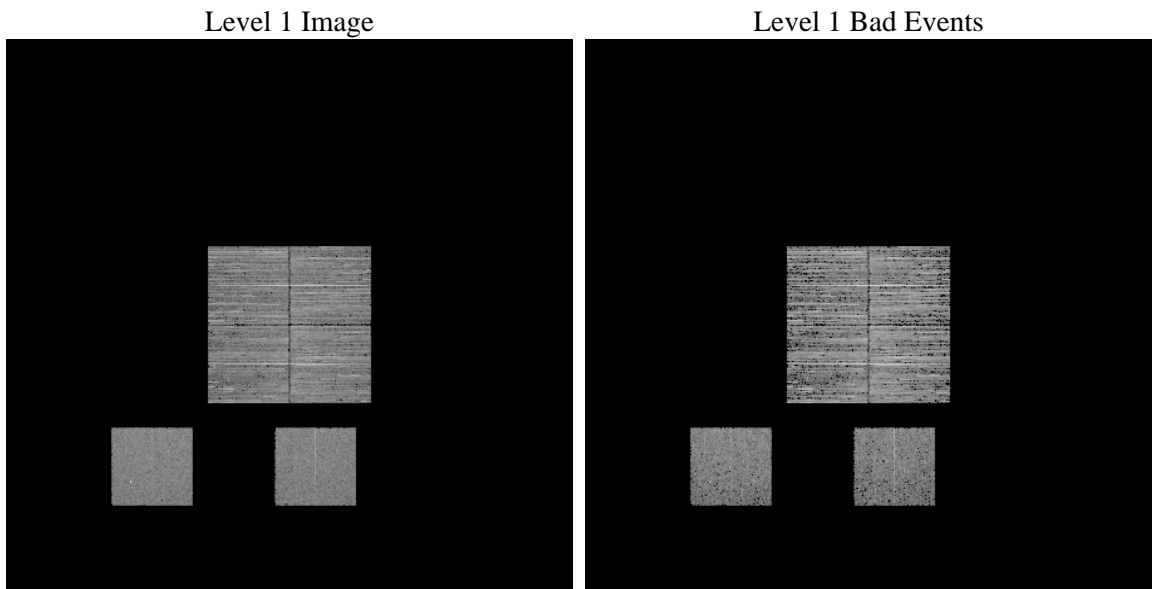
1 Front

seq_num	 	Sequence number
obs_id	53559	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	163.50274680397	Nominal RA [deg]
dec_nom	60.872379637766	Nominal Dec [deg]
roll_nom	294.91004570577	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3286.3999878168	Sum of GTIs [s]
livetime	3244.7856123386	Livetime [s]
ontime0	3286.3999878168	Sum of GTIs [s]
ontime1	3286.3999878168	Sum of GTIs [s]
ontime2	3286.3999878168	Sum of GTIs [s]
ontime3	3286.3999878168	Sum of GTIs [s]
ontime5	3286.3999878168	Sum of GTIs [s]
ontime7	3286.3999878168	Sum of GTIs [s]
l2events	88884	Number of level 2 events

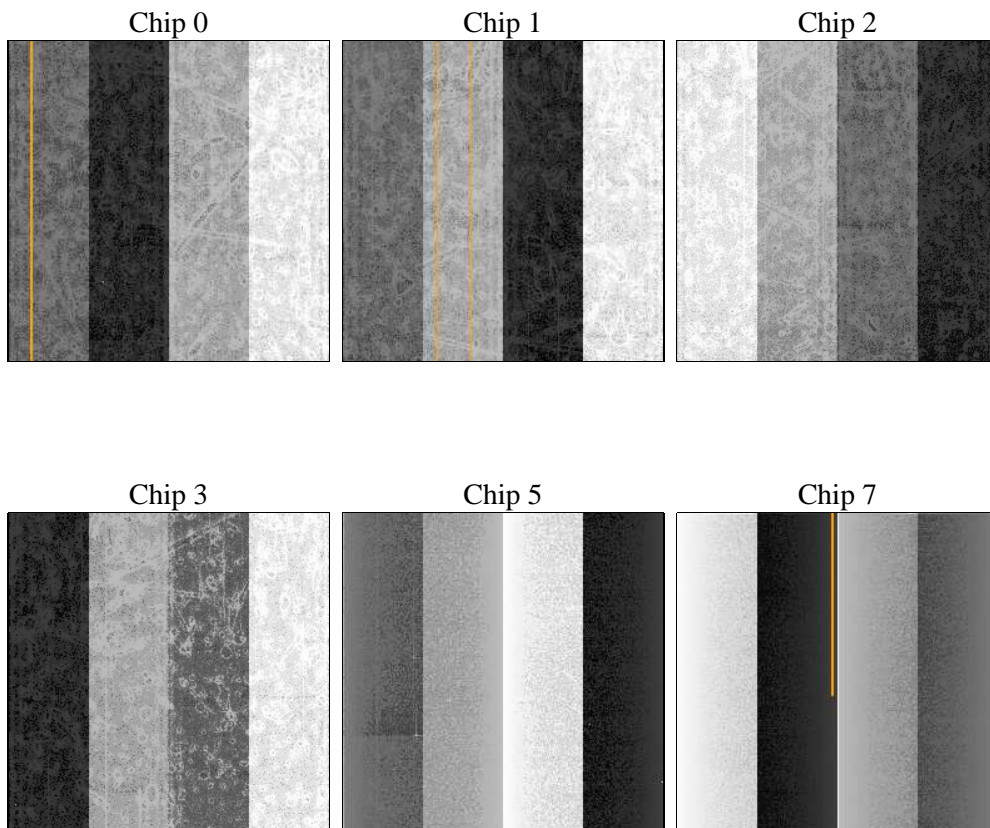
2 OBI

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	3286.3999878168	Sum of GTIs [s]
caldbver	4.5.7	 	ontime0	3286.3999878168	Sum of GTIs [s]
date	2013-07-13T22:22:36	Date and time of file creation	ontime1	3286.3999878168	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3286.3999878168	Sum of GTIs [s]
			ontime3	3286.3999878168	Sum of GTIs [s]
			ontime5	3286.3999878168	Sum of GTIs [s]
			ontime7	3286.3999878168	Sum of GTIs [s]
			l1events	310788	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	52493	56500	48965	57949	49358	45523	grade 0 events	6234	6197	6422	7026	2577	3185
rejected events	40400	44115	36647	44982	26216	23925		11%	10%	13%	12%	5%	6%
rejected %	76%	78%	74%	77%	53%	52%	grade 1 events	22	27	34	35	53	33
								0%	0%	0%	0%	0%	0%
							grade 2 events	2375	2533	2311	2281	8883	5381
								4%	4%	4%	3%	17%	11%
							grade 3 events	831	825	873	911	893	1810
								1%	1%	1%	1%	1%	3%
							grade 4 events	796	844	834	837	864	1746
								1%	1%	1%	1%	1%	3%
							grade 5 events	1088	1086	1026	1184	2324	2715
								2%	1%	2%	2%	4%	5%
							grade 6 events	1879	1998	1888	1920	9948	9510
								3%	3%	3%	3%	20%	20%
							grade 7 events	39268	42990	35577	43755	23816	21143
								74%	76%	72%	75%	48%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	163.502746803967	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	60.87237963776577	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	294.9100457057688	[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)	490097934.783469	490097933.75847			
Observation start date	2013-07-13T10:18:55	2013-07-13T10:18:53			
[s] Observation end time (MET)	490106391.033928	490106390.00893			
Observation end date	2013-07-13T12:39:51	2013-07-13T12:39:50			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.07.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2863999878168

A.2 Comments