

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52458 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 20 2014

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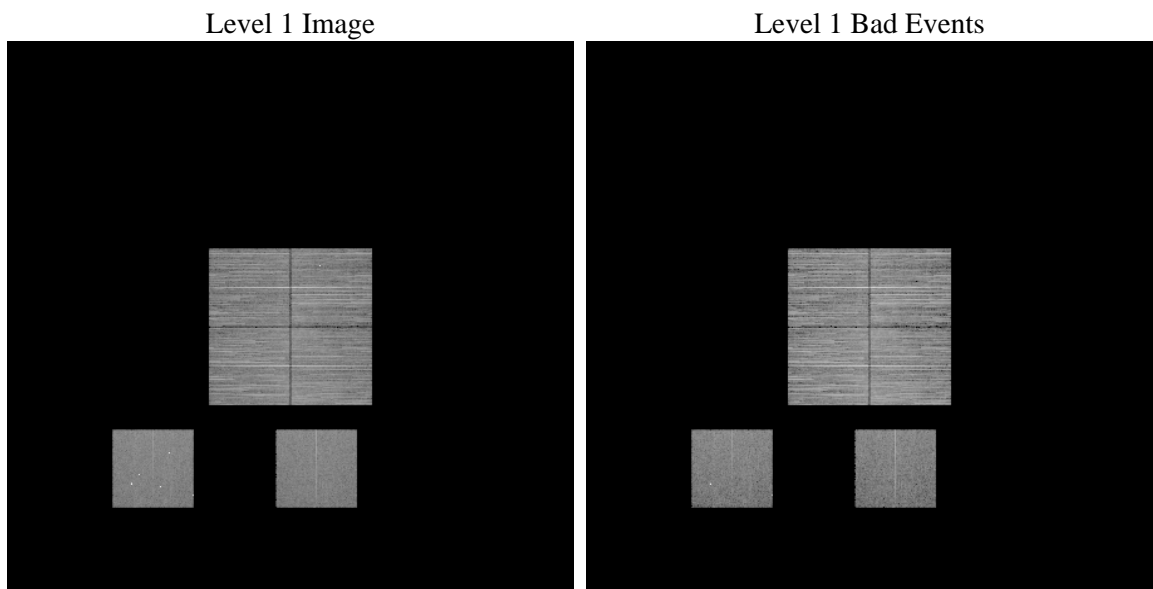
1 Front

seq_num	 	Sequence number
obs_id	52458	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	14.538689115469	Nominal RA [deg]
dec_nom	-18.387609358526	Nominal Dec [deg]
roll_nom	46.57268974171	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8284.4016301036	Sum of GTIs [s]
livetime	8179.4995483954	Livetime [s]
ontime0	8180.6460646391	Sum of GTIs [s]
ontime1	8174.1229344606	Sum of GTIs [s]
ontime2	8164.3587642312	Sum of GTIs [s]
ontime3	8190.4513354301	Sum of GTIs [s]
ontime5	8284.2374700904	Sum of GTIs [s]
ontime7	8284.4016301036	Sum of GTIs [s]
l2events	195396	Number of level 2 events

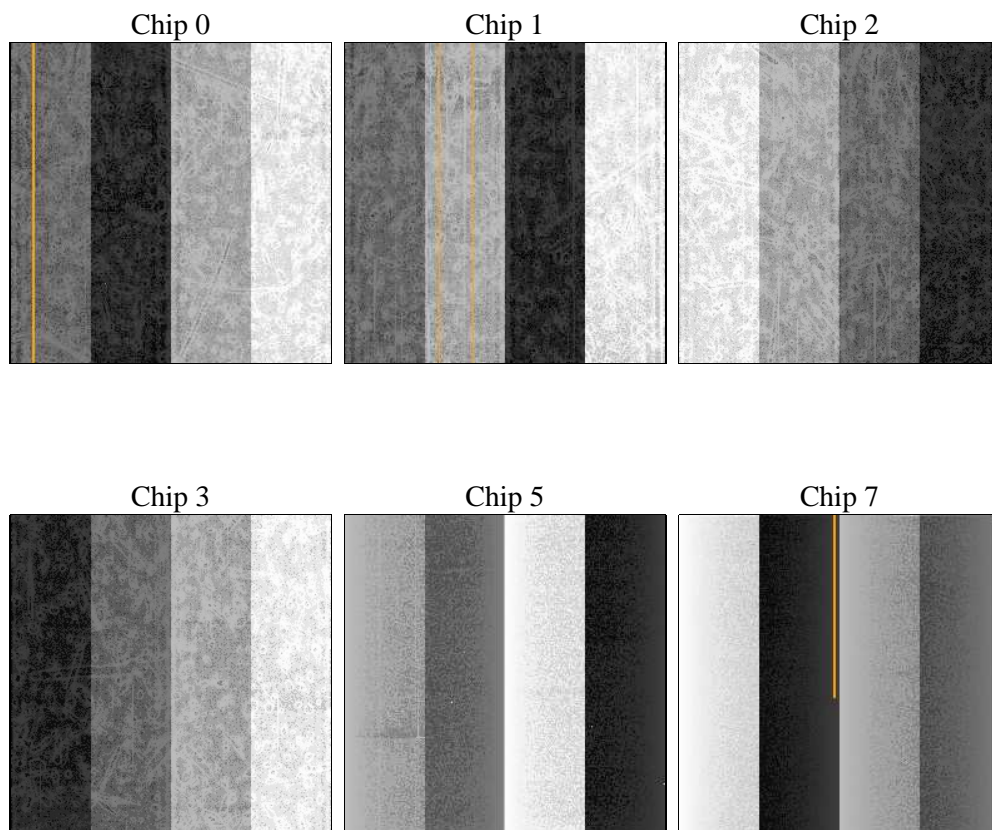
2 OBI

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	10.2.4	Processing system revision	ontime	8284.4016301036	Sum of GTIs [s]
caldsver	4.6.3	 	ontime0	8180.6460646391	Sum of GTIs [s]
date	2014-09-20T20:01:59	Date and time of file creation	ontime1	8174.1229344606	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8164.3587642312	Sum of GTIs [s]
			ontime3	8190.4513354301	Sum of GTIs [s]
			ontime5	8284.2374700904	Sum of GTIs [s]
			ontime7	8284.4016301036	Sum of GTIs [s]
			l1events	862961	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	138223	148079	160685	157971	135825	122178	grade 0 events	12136	13741	12642	12571	10864	6715
rejected events	113814	121343	135800	133141	74116	69950		8%	9%	7%	7%	7%	5%
rejected %	82%	81%	84%	84%	54%	57%	grade 1 events	66	82	88	64	329	101
								0%	0%	0%	0%	0%	0%
							grade 2 events	5091	5419	4922	4867	20856	12906
								3%	3%	3%	3%	15%	10%
							grade 3 events	1705	1801	1809	1737	1941	4173
								1%	1%	1%	1%	1%	3%
							grade 4 events	1641	1687	1678	1774	1797	4053
								1%	1%	1%	1%	1%	3%
							grade 5 events	2997	2838	2854	3207	6694	7649
								2%	1%	1%	2%	4%	6%
							grade 6 events	3839	4095	3848	3884	26270	24396
								2%	2%	2%	2%	19%	19%
							grade 7 events	110748	118416	132844	129867	67074	62185
								80%	79%	82%	82%	49%	50%

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	14.53868911546869	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-18.38760935852554	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	46.57268974170967	[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)	527576867.095286	527576866.07029			
Observation start date	2014-09-20T05:07:47	2014-09-20T05:07:46			
[s] Observation end time (MET)	527589611.945993	527589610.92099			
Observation end date	2014-09-20T08:40:12	2014-09-20T08:40:10			
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)	2014.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2844016301036

A.2 Comments