

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 51781 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 5 2015

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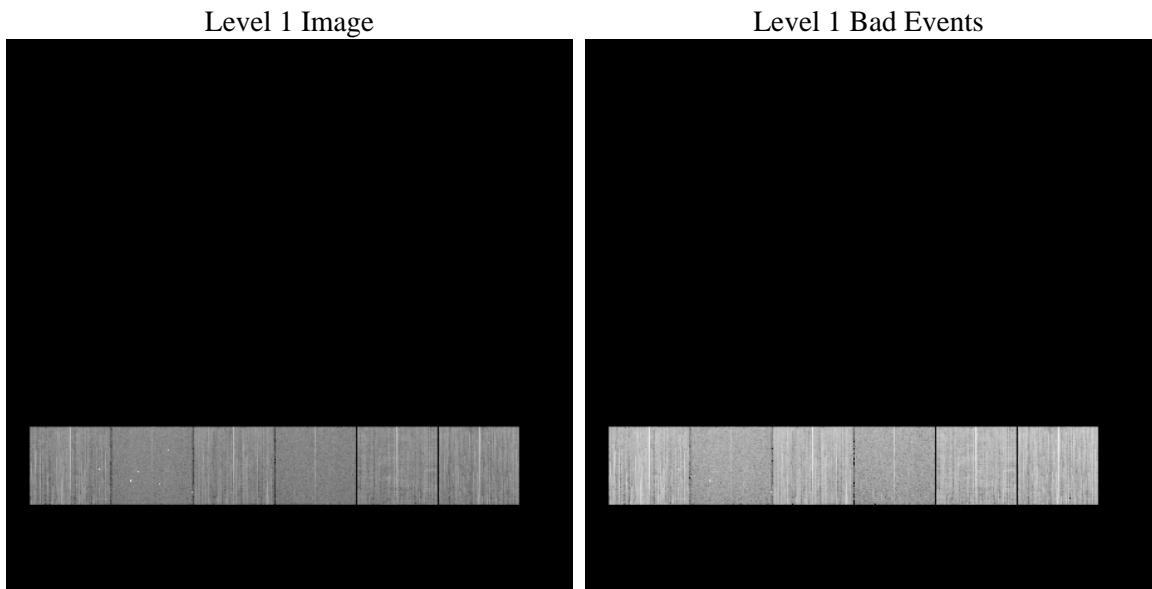
1 Front

seq_num	 	Sequence number
obs_id	51781	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	302.45133853487	Nominal RA [deg]
dec_nom	-8.5511249993402	Nominal Dec [deg]
roll_nom	131.38920011414	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8038.4001197815	Sum of GTIs [s]
livetime	7936.6130573214	Livetime [s]
ontime4	8038.4001197815	Sum of GTIs [s]
ontime5	8038.4001197815	Sum of GTIs [s]
ontime6	8038.4001197815	Sum of GTIs [s]
ontime7	8038.4001197815	Sum of GTIs [s]
ontime8	8038.4001197815	Sum of GTIs [s]
ontime9	8038.4001197815	Sum of GTIs [s]
l2events	171649	Number of level 2 events

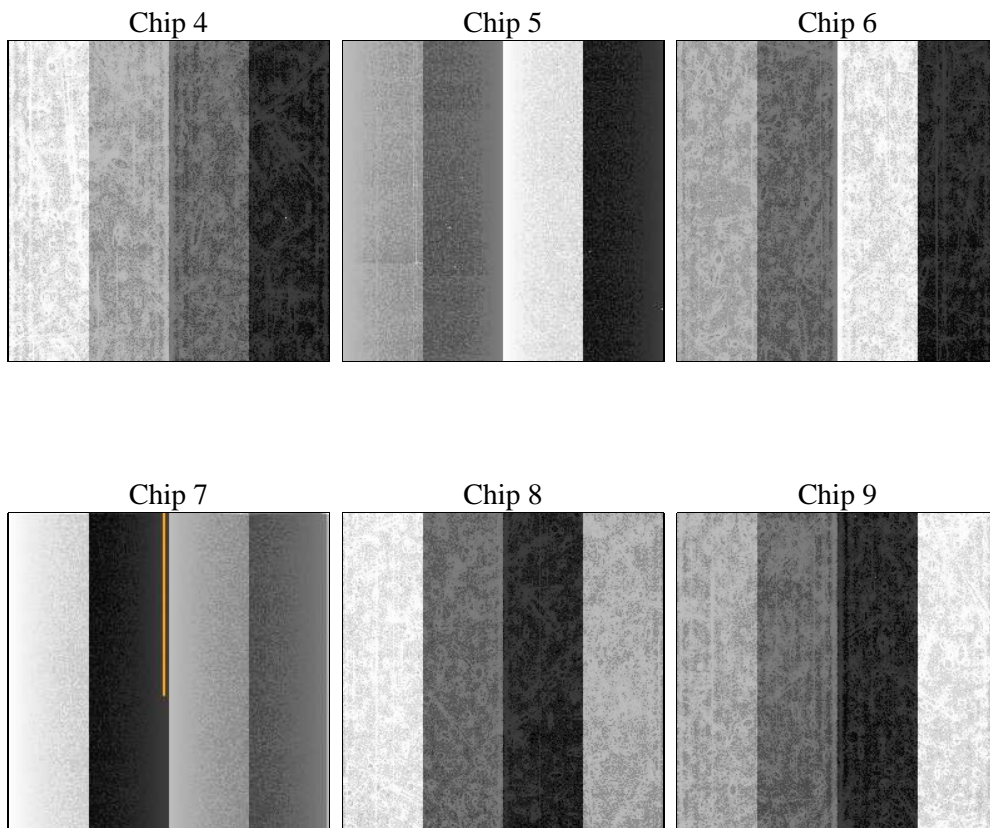
2 OBI

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	10.4	Processing system revision	ontime	8038.4001197815	Sum of GTIs [s]
caldsver	4.6.7	 	ontime4	8038.4001197815	Sum of GTIs [s]
date	2015-07-05T17:47:10	Date and time of file creation	ontime5	8038.4001197815	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8038.4001197815	Sum of GTIs [s]
			ontime7	8038.4001197815	Sum of GTIs [s]
			ontime8	8038.4001197815	Sum of GTIs [s]
			ontime9	8038.4001197815	Sum of GTIs [s]
			l1events	875762	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	159049	128508	151363	114877	157258	164707	grade 0 events	13685	8453	10040	5435	13427	10477
rejected events	135355	72884	129626	69589	125905	143166		8%	6%	6%	4%	8%	6%
rejected %	85%	56%	85%	60%	80%	86%	grade 1 events	131	606	49	88	83	69
								0%	0%	0%	0%	0%	0%
							grade 2 events	4421	19665	5294	11469	7192	4633
								2%	15%	3%	9%	4%	2%
							grade 3 events	1610	1536	1431	3438	2566	1616
								1%	1%	0%	2%	1%	0%
							grade 4 events	1550	1559	1425	3311	2399	1550
								0%	1%	0%	2%	1%	0%
							grade 5 events	3039	5534	2917	7002	4078	3529
								1%	4%	1%	6%	2%	2%
							grade 6 events	3080	25775	4158	22930	6535	3830
								1%	20%	2%	19%	4%	2%
							grade 7 events	131533	65380	126049	61204	120978	139003
								82%	50%	83%	53%	76%	84%

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	302.4513385348743
[deg] Pointing Dec	0	-8.551124999340182
[deg] Pointing Roll	0.0	131.3892001141396
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	552446375.834866	552446375.834866
Observation start date	2015-07-05T01:19:36	2015-07-05T01:19:35
[s] Observation end time (MET)	552455924.715014	552455924.715014
Observation end date	2015-07-05T03:58:45	2015-07-05T03:58:44
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0384001197815

A.2 Comments