

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51654 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 4 2015

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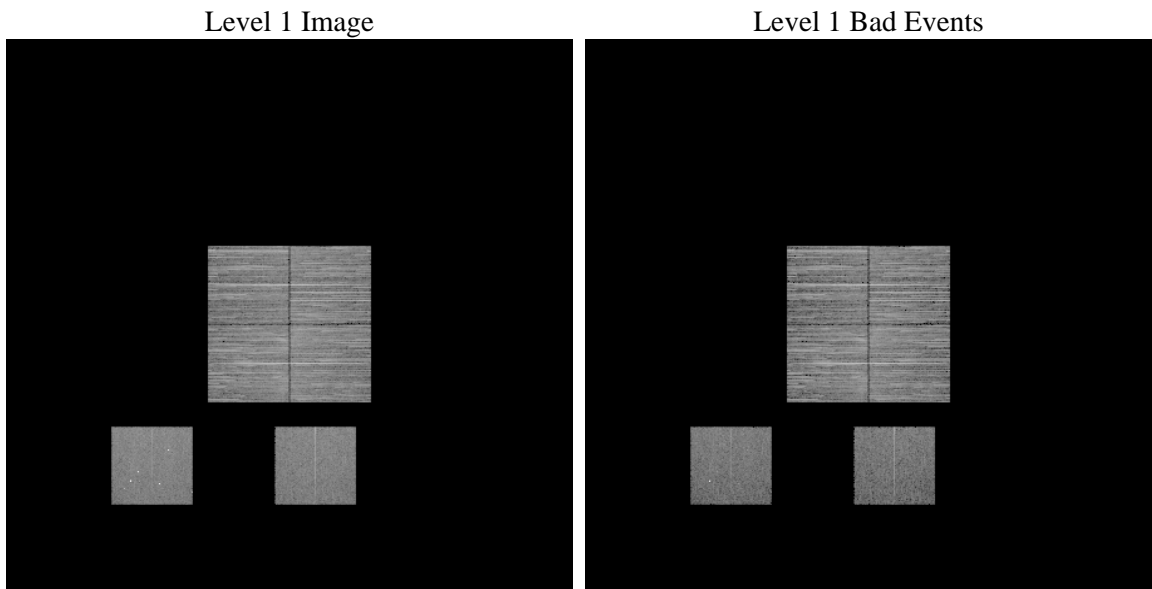
1 Front

seq_num	 	Sequence number
obs_id	51654	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	342.39719655702	Nominal RA [deg]
dec_nom	-3.465815190043	Nominal Dec [deg]
roll_nom	111.02794999899	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6035.0422574282	Sum of GTIs [s]
livetime	5958.6229184984	Livetime [s]
ontime0	6035.0012173653	Sum of GTIs [s]
ontime1	6034.9601774216	Sum of GTIs [s]
ontime2	6034.9191373587	Sum of GTIs [s]
ontime3	6035.0832973719	Sum of GTIs [s]
ontime5	6034.878097415	Sum of GTIs [s]
ontime7	6035.0422574282	Sum of GTIs [s]
l2events	129123	Number of level 2 events

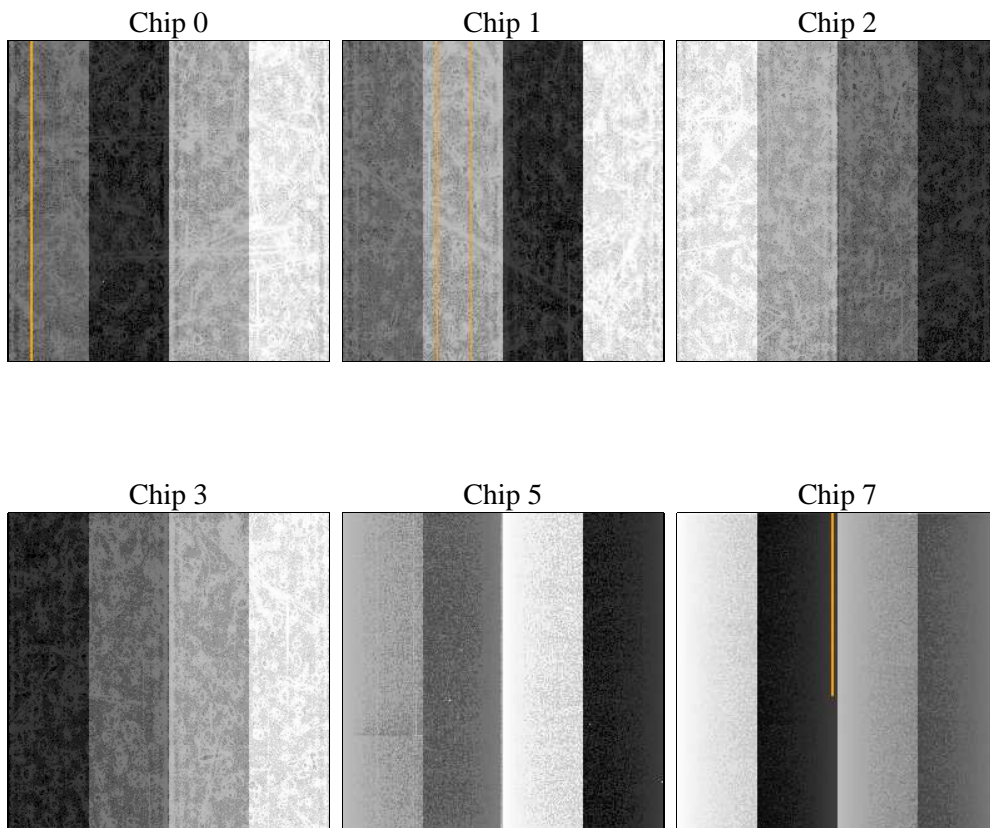
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	6035.0422574282	Sum of GTIs [s]
caldbver	4.6.8	 	ontime0	6035.0012173653	Sum of GTIs [s]
date	2015-09-04T11:50:31	Date and time of file creation	ontime1	6034.9601774216	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6034.9191373587	Sum of GTIs [s]
			ontime3	6035.0832973719	Sum of GTIs [s]
			ontime5	6034.878097415	Sum of GTIs [s]
			ontime7	6035.0422574282	Sum of GTIs [s]
			l1events	664044	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	110021	120333	121748	118855	102512	90575	grade 0 events	7564	7151	7808	7942	8297	4335
rejected events	94450	104782	106306	103268	58982	54803		6%	5%	6%	6%	8%	4%
rejected %	85%	87%	87%	86%	57%	60%	grade 1 events	36	34	63	51	112	68
								0%	0%	0%	0%	0%	0%
							grade 2 events	3464	3849	3300	3165	14174	8997
								3%	3%	2%	2%	13%	9%
							grade 3 events	1086	1044	1073	1106	1194	2771
								0%	0%	0%	0%	1%	3%
							grade 4 events	1106	1057	1127	1138	1089	2715
								1%	0%	0%	0%	1%	2%
							grade 5 events	2196	2162	2127	2494	4229	5869
								1%	1%	1%	2%	4%	6%
							grade 6 events	2686	2824	2483	2600	19856	17747
								2%	2%	2%	2%	19%	19%
							grade 7 events	91883	102212	103767	100359	53561	48073
								83%	84%	85%	84%	52%	53%

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	342.3971965570223
[deg] Pointing Dec	0	-3.465815190042951
[deg] Pointing Roll	0.0	111.0279499989876
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)	557703504.780962	557703504.780962
Observation start date	2015-09-03T21:38:25	2015-09-03T21:38:24
[s] Observation end time (MET)	557710941.4682519	557710941.4682519
Observation end date	2015-09-03T23:42:21	2015-09-03T23:42:21
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0350422574282

A.2 Comments