

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51698 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 9 2015

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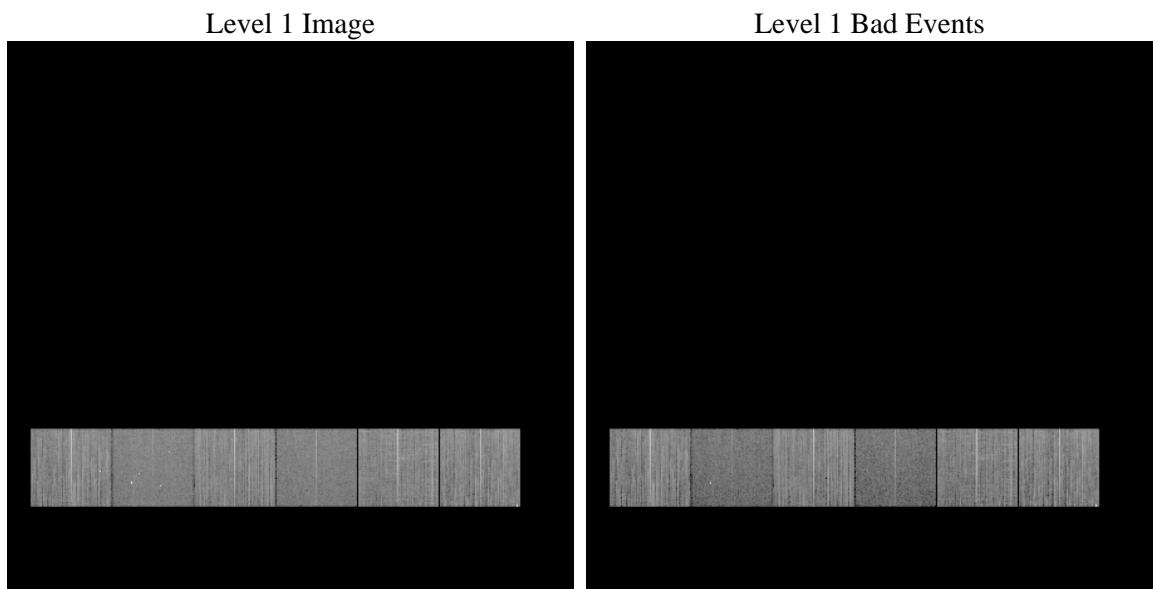
1 Front

seq_num	 	Sequence number
obs_id	51698	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	276.91429753997	Nominal RA [deg]
dec_nom	-17.325379769209	Nominal Dec [deg]
roll_nom	265.46635572742	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8457.2339541912	Sum of GTIs [s]
livetime	8350.1433655283	Livetime [s]
ontime4	8457.1108341217	Sum of GTIs [s]
ontime5	8457.1929141283	Sum of GTIs [s]
ontime6	8457.1518741846	Sum of GTIs [s]
ontime7	8457.2339541912	Sum of GTIs [s]
ontime8	8457.069794178	Sum of GTIs [s]
ontime9	8457.2749941349	Sum of GTIs [s]
l2events	184010	Number of level 2 events

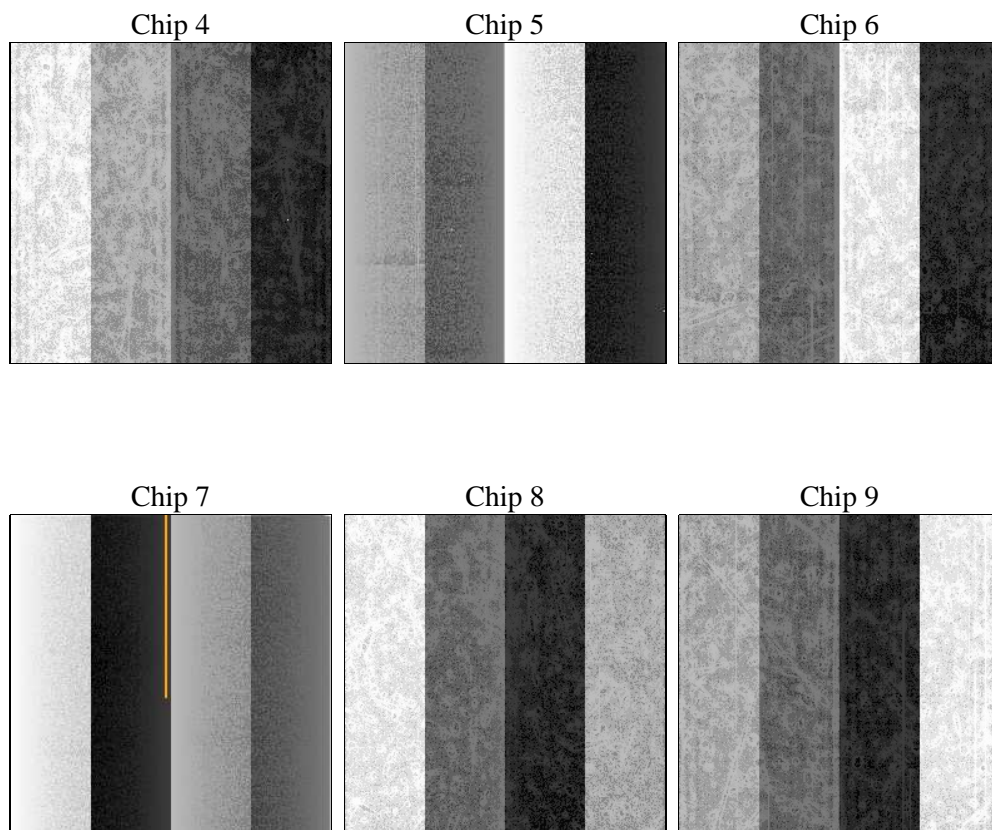
2 OBI

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	10.4.1	Processing system revision	ontime	8457.2339541912	Sum of GTIs [s]
caldsver	4.6.8	 	ontime4	8457.1108341217	Sum of GTIs [s]
date	2015-08-09T07:45:59	Date and time of file creation	ontime5	8457.1929141283	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8457.1518741846	Sum of GTIs [s]
			ontime7	8457.2339541912	Sum of GTIs [s]
			ontime8	8457.069794178	Sum of GTIs [s]
			ontime9	8457.2749941349	Sum of GTIs [s]
			l1events	932985	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	168443	134867	171674	123652	164744	169605	grade 0 events	13183	6198	10384	5799	13701	10866
rejected events	144432	77624	148794	73826	131783	146993		7%	4%	6%	4%	8%	6%
rejected %	85%	57%	86%	59%	79%	86%	grade 1 events	118	138	48	71	84	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	4524	20100	5263	12397	7228	4667
								2%	14%	3%	10%	4%	2%
							grade 3 events	1631	1988	1482	3722	2611	1527
								0%	1%	0%	3%	1%	0%
							grade 4 events	1629	1615	1464	3653	2545	1534
								0%	1%	0%	2%	1%	0%
							grade 5 events	3293	6266	3201	7622	4313	3694
								1%	4%	1%	6%	2%	2%
							grade 6 events	3051	27367	4294	24272	6888	4026
								1%	20%	2%	19%	4%	2%
							grade 7 events	141014	71195	145538	66116	127374	143227
								83%	52%	84%	53%	77%	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	276.9142975399682
[deg] Pointing Dec	0	-17.32537976920859
[deg] Pointing Roll	0.0	265.4663557274236
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	555461177.754498	555461176.7295001
Observation start date	2015-08-08T22:46:18	2015-08-08T22:46:16
[s] Observation end time (MET)	555471358.055071	555471357.0300699
Observation end date	2015-08-09T01:35:58	2015-08-09T01:35:57
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2015.08.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4572339541912

A.2 Comments