

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5777 - L2 Version 3
Chandra X-Ray Center

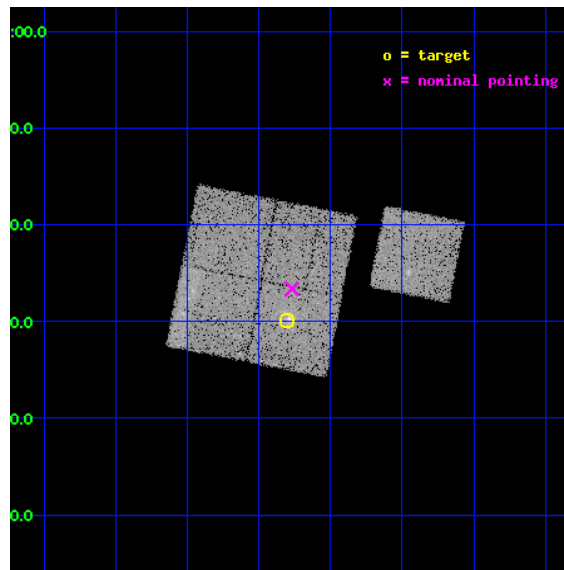
L2 Processing Date : Dec 28 2012

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1 Front

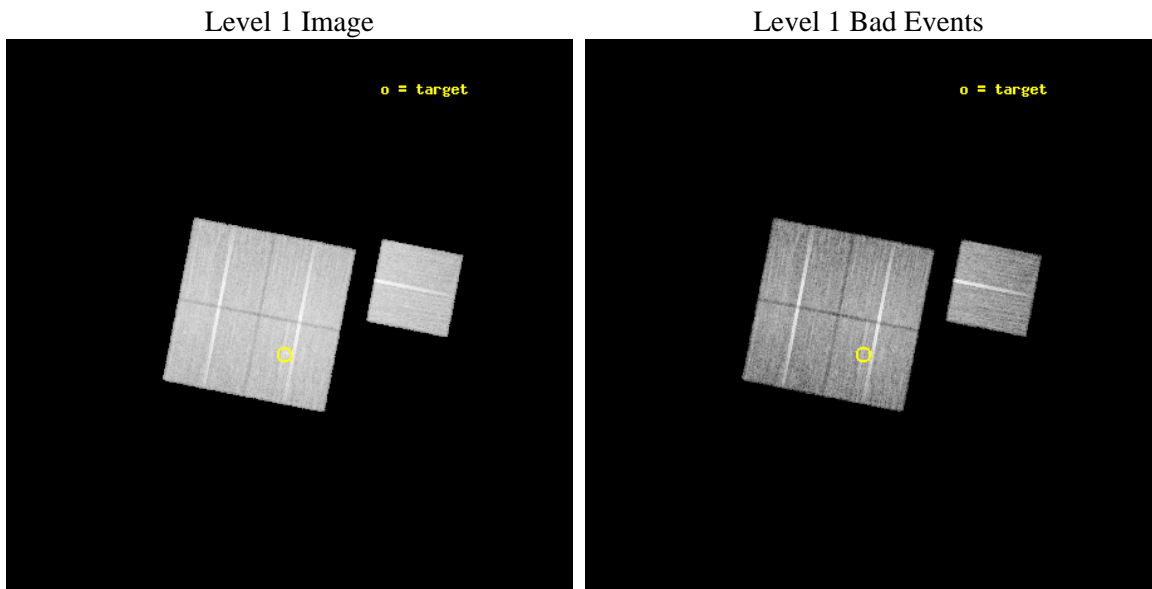
seq_num	800490	Sequence number
obs_id	5777	Observation id
title	Chandra observations of high-redshift clusters of galaxies from the 400 Square Degrees ROSAT PSPC survey	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	cl0159+0030	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	29.825833	Observer's specified target RA [deg]
dec_targ	0.5025	Observer's specified target Dec [deg]
ra_nom	29.817300040665	Nominal RA [deg]
dec_nom	0.55614469199222	Nominal Dec [deg]
roll_nom	101.10992699111	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20143.799961239	Sum of GTIs [s]
livetime	19880.606385096	Livetime [s]
ontime0	20140.658980936	Sum of GTIs [s]
ontime1	20140.658980995	Sum of GTIs [s]
ontime2	20140.658970982	Sum of GTIs [s]
ontime3	20143.799961239	Sum of GTIs [s]
ontime6	20140.658961058	Sum of GTIs [s]
l2events	61365	Number of level 2 events



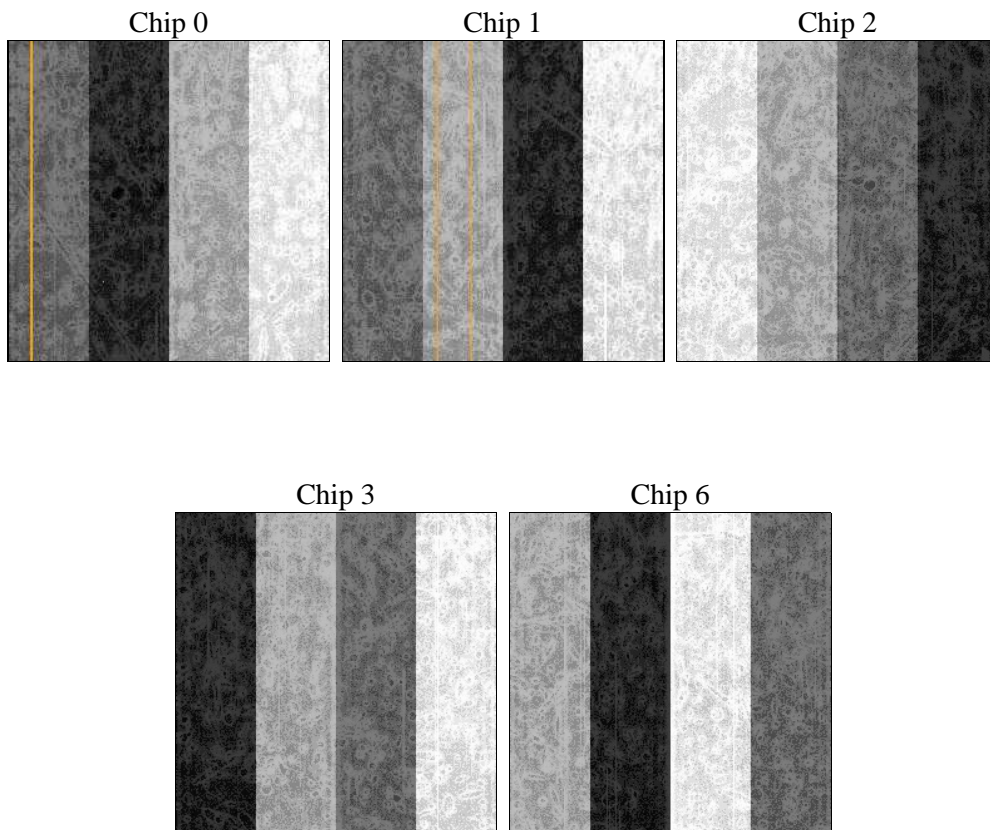
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	20143.799961239	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	20140.658980936	Sum of GTIs [s]
date	2012-12-28T20:02:11	Date and time of file creation	ontime1	20140.658980995	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	20140.658970982	Sum of GTIs [s]
			ontime3	20143.799961239	Sum of GTIs [s]
			ontime6	20140.658961058	Sum of GTIs [s]
			l1events	688776	Number of level 1 events

2.1.4 Events

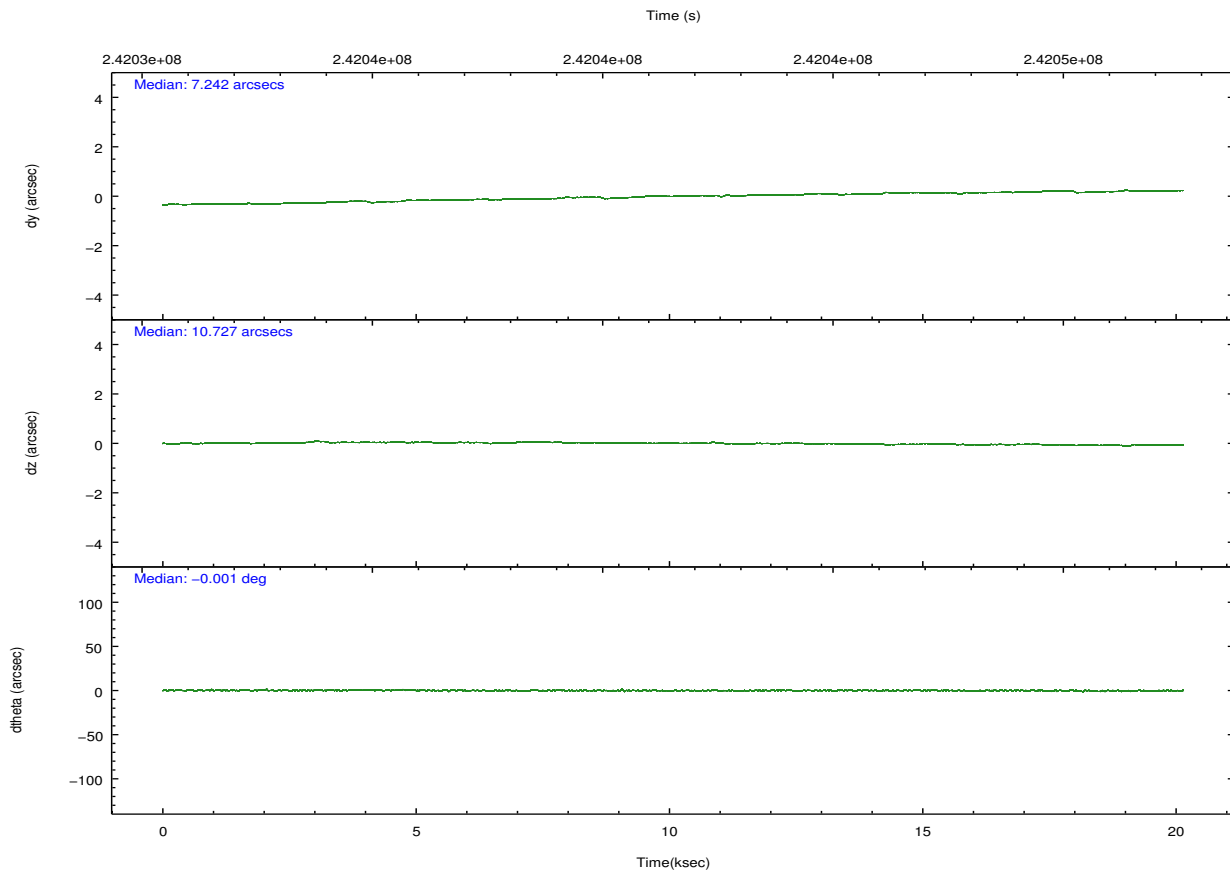
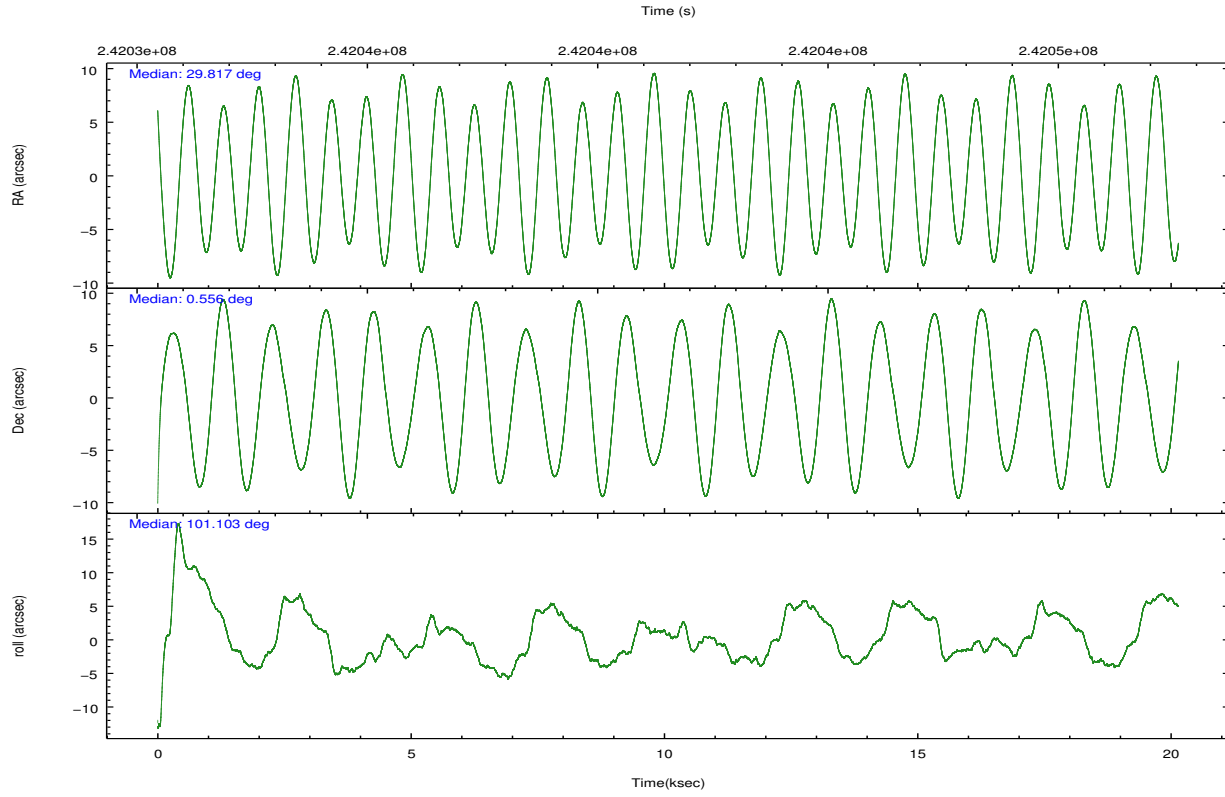
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	131276	129641	145564	140620	141675
rejected events	117119	113006	131270	126053	126832
rejected %	89%	87%	90%	89%	89%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5534	6616	5849	6367	6030
	4%	5%	4%	4%	4%
grade 1 events	70	61	78	72	69
	0%	0%	0%	0%	0%
grade 2 events	3230	3670	3221	2927	3085
	2%	2%	2%	2%	2%
grade 3 events	1618	1715	1462	1423	1592
	1%	1%	1%	1%	1%
grade 4 events	1454	1716	1621	1510	1507
	1%	1%	1%	1%	1%
grade 5 events	4472	5040	4269	5409	5038
	3%	3%	2%	3%	3%
grade 6 events	2570	3297	2451	2621	2932
	1%	2%	1%	1%	2%
grade 7 events	112328	107526	126613	120291	121422
	85%	82%	86%	85%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	29.835425	29.8173000406653	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.535578	0.5561446919922249	Alternating exposures requested	N	N
[deg] Pointing Roll	100.901076	101.1099269911118	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-225.840463	-225.8433433320239			
[mm] SIM translation stage offset	-7.752	-7.749109670905796			
[s] Observation start time (MET)	242031602.184000	242030412.05993			
Observation start date	2005-09-02T06:58:58	2005-09-02T06:40:12			
[s] Observation end time (MET)	242051602.184000	242052461.86094			
Observation end date	2005-09-02T12:32:18	2005-09-02T12:47:41			
Read mode	TIMED	TIMED			

2.3 Aspect

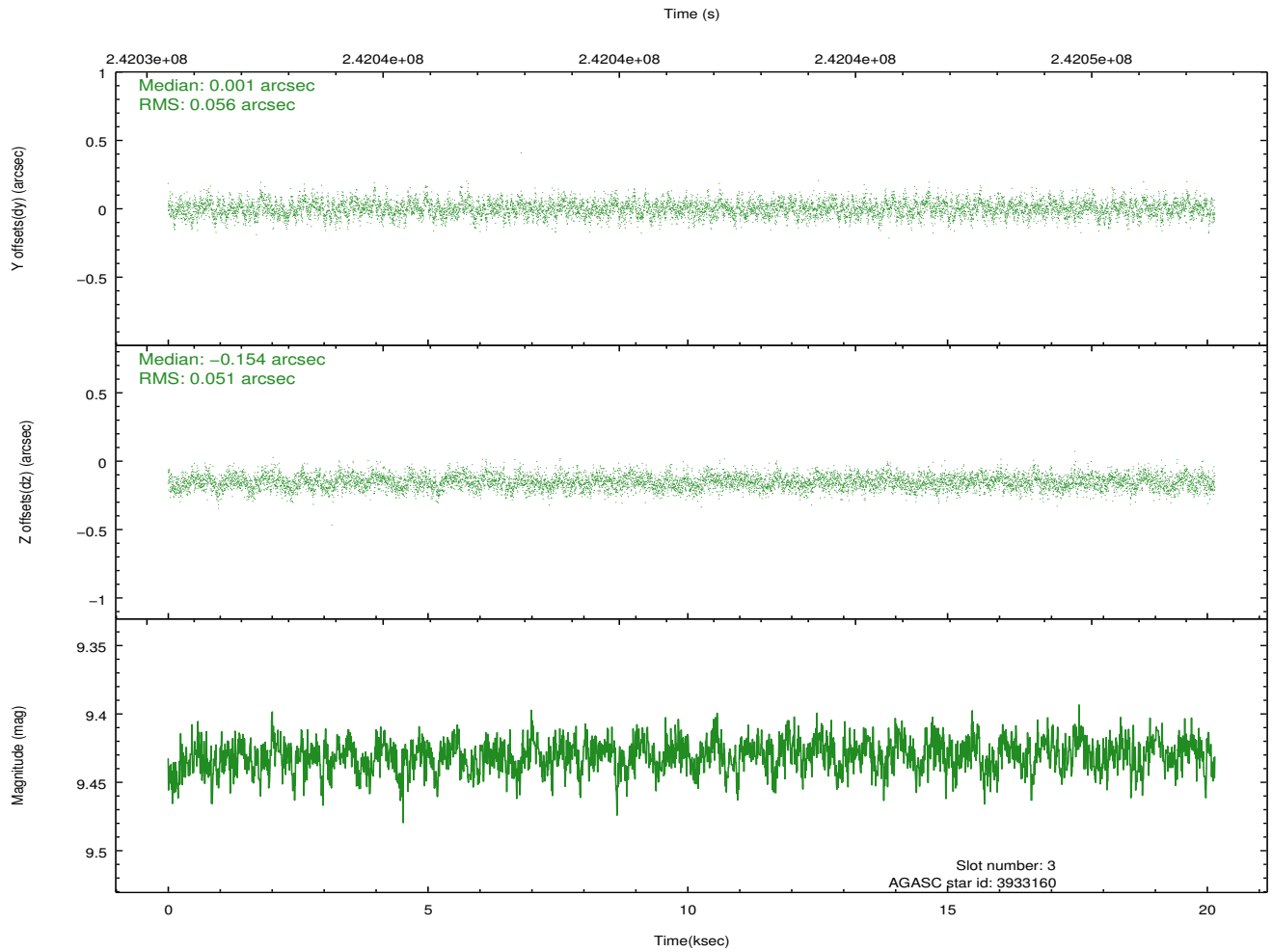
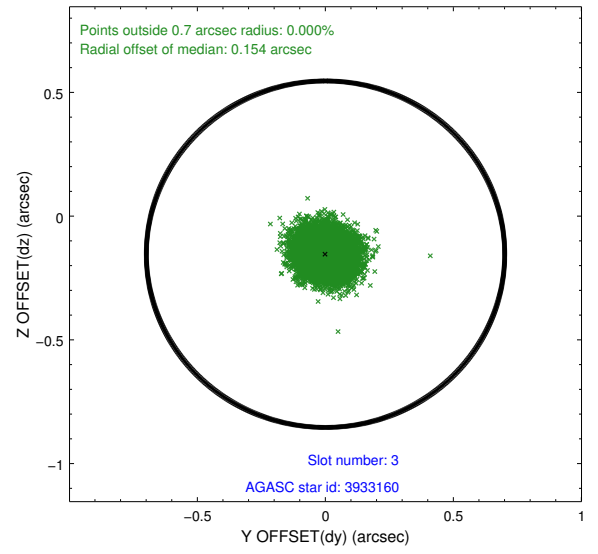
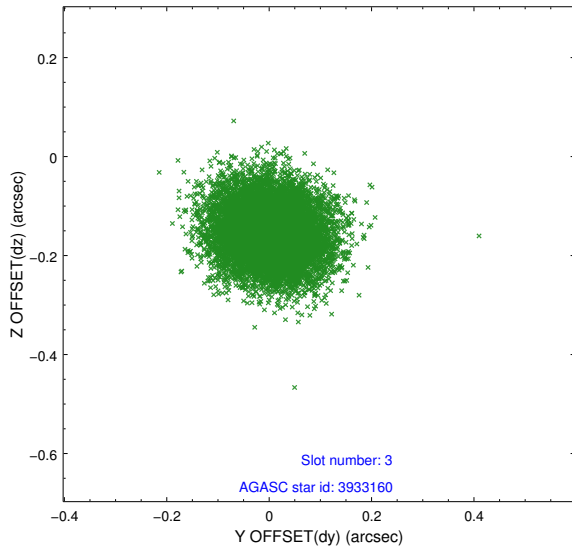


Slot Statistics

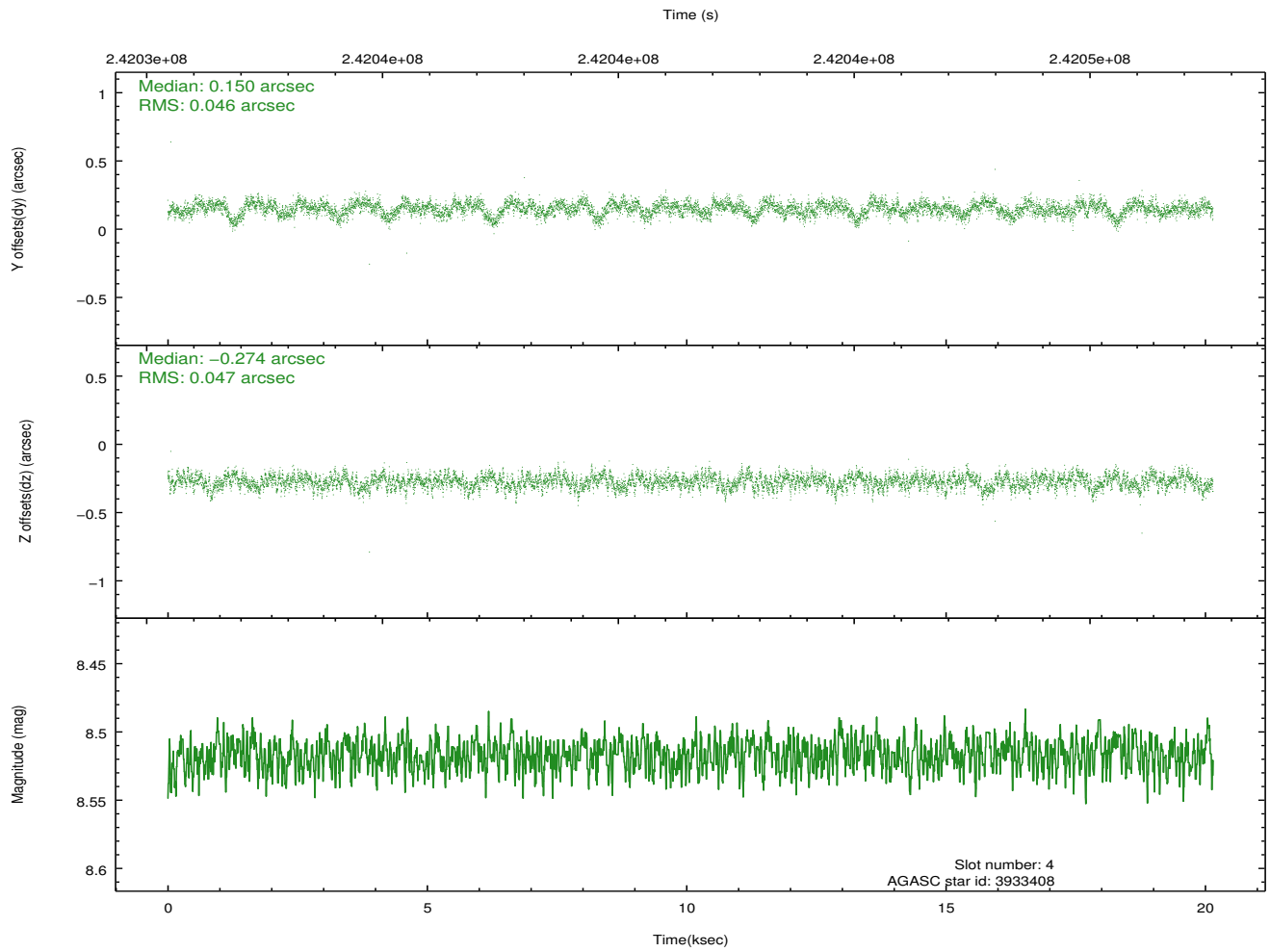
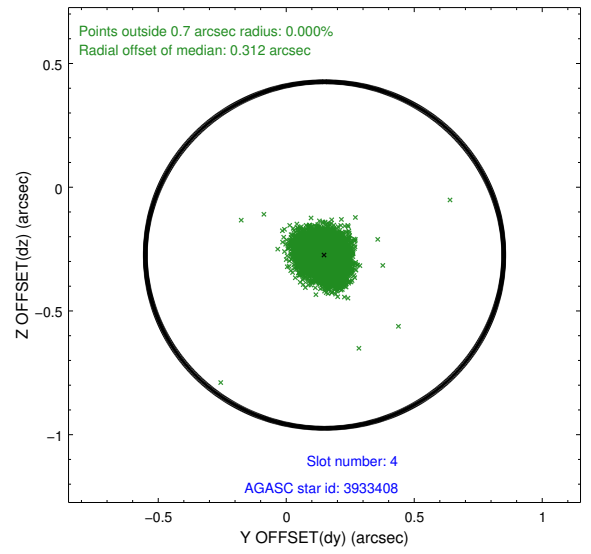
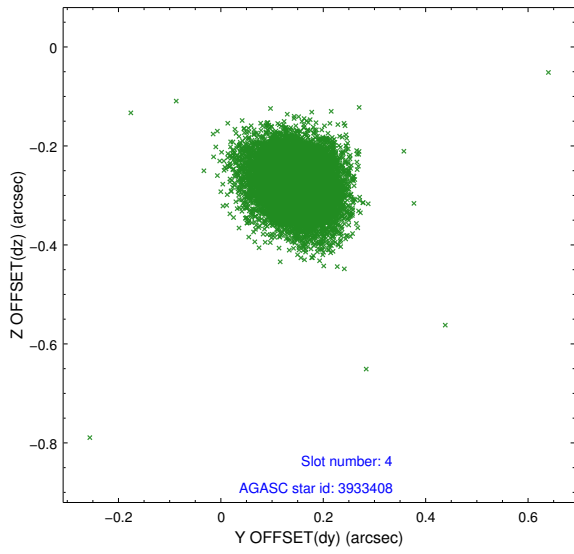
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	4914	0.120	-0.120	0.007	0.012	0.000000	0.000000	932.43	-993.42
1	FID	ACIS-I-5	7.22	4915	-0.229	0.104	0.007	0.011	0.000000	0.000000	-1815.91	904.20
2	FID	ACIS-I-6	7.25	4915	0.018	0.086	0.008	0.013	0.000000	0.000000	397.70	1548.88
3	GUIDE	3933160	9.43	9819	0.001	-0.154	0.081	0.132	29.607018	0.758442	943.66	655.68
4	GUIDE	3933408	8.52	9826	0.150	-0.274	0.069	0.112	29.793077	0.506917	-71.83	169.03
5	GUIDE	3936888	9.65	9771	-0.124	0.092	0.092	0.154	29.975632	1.145154	2059.90	-910.18
6	GUIDE	4858264	8.58	9829	0.094	0.103	0.073	0.119	30.366209	0.475653	-572.66	-1835.46
7	GUIDE	4858896	9.89	9815	-0.120	0.235	0.135	0.217	30.397960	0.910376	942.66	-2243.35

2.4 Star Slots

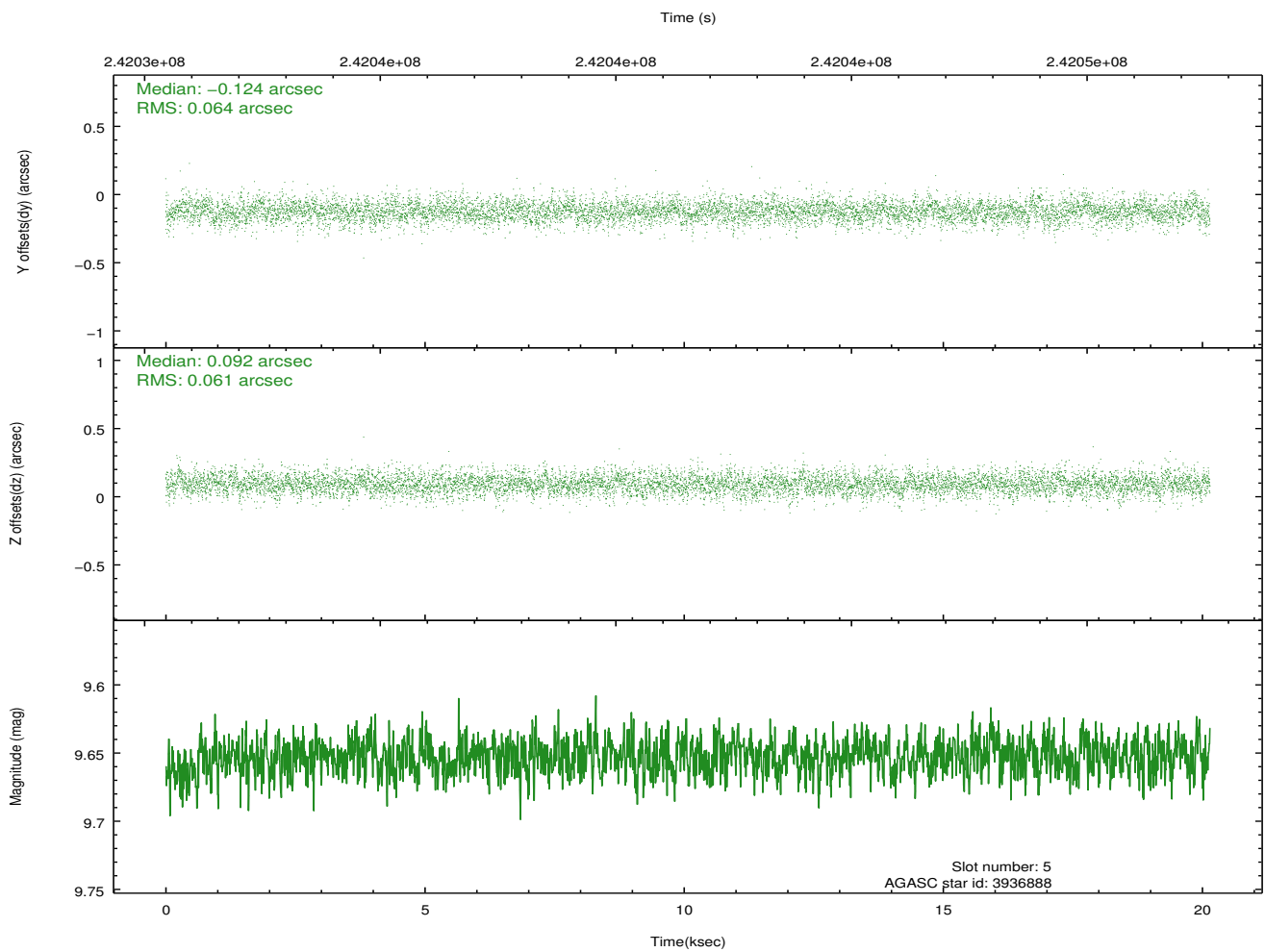
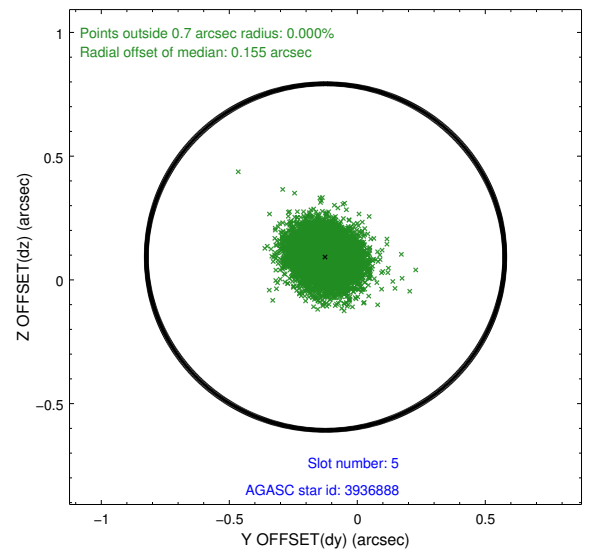
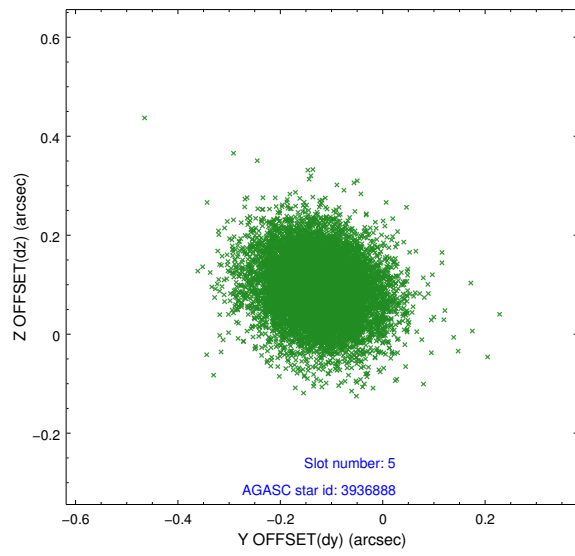
2.4.1 Slot 3



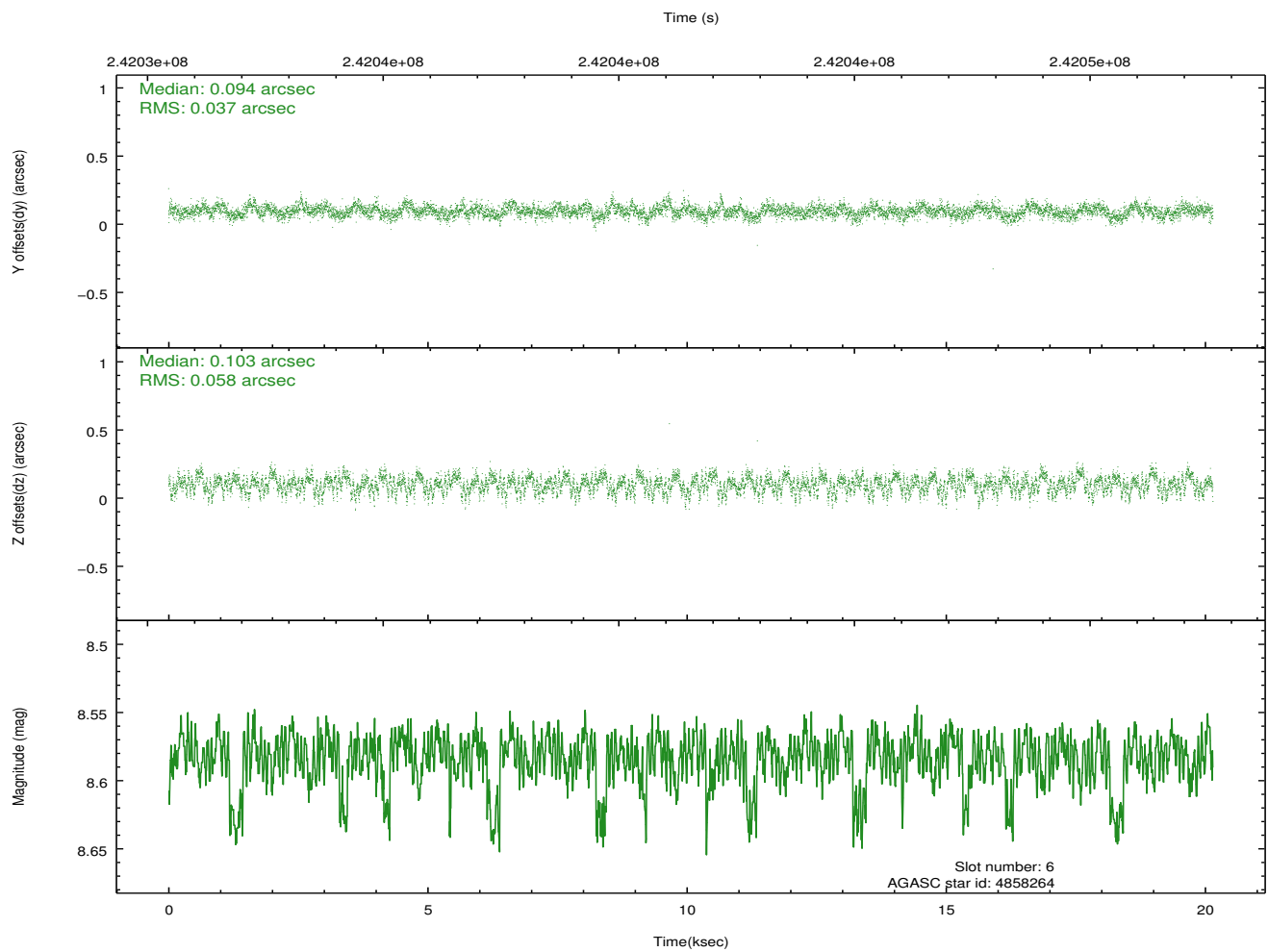
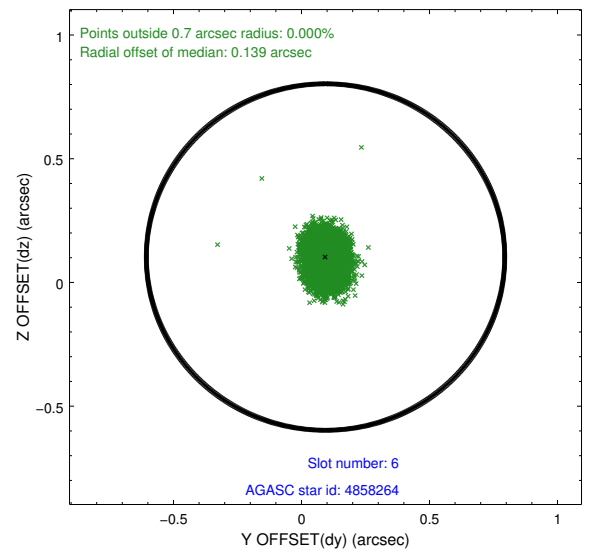
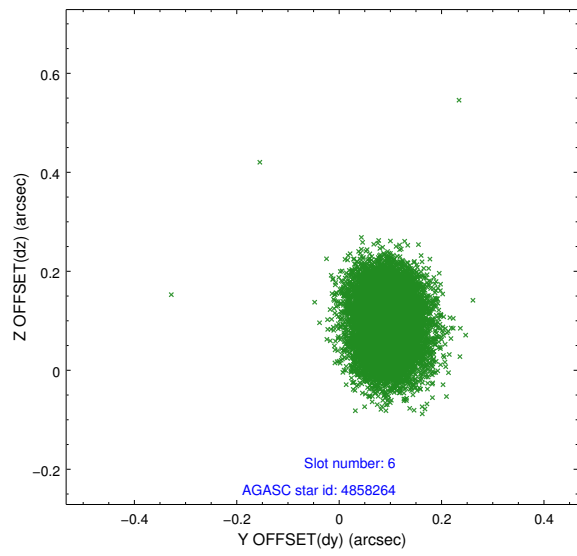
2.4.2 Slot 4



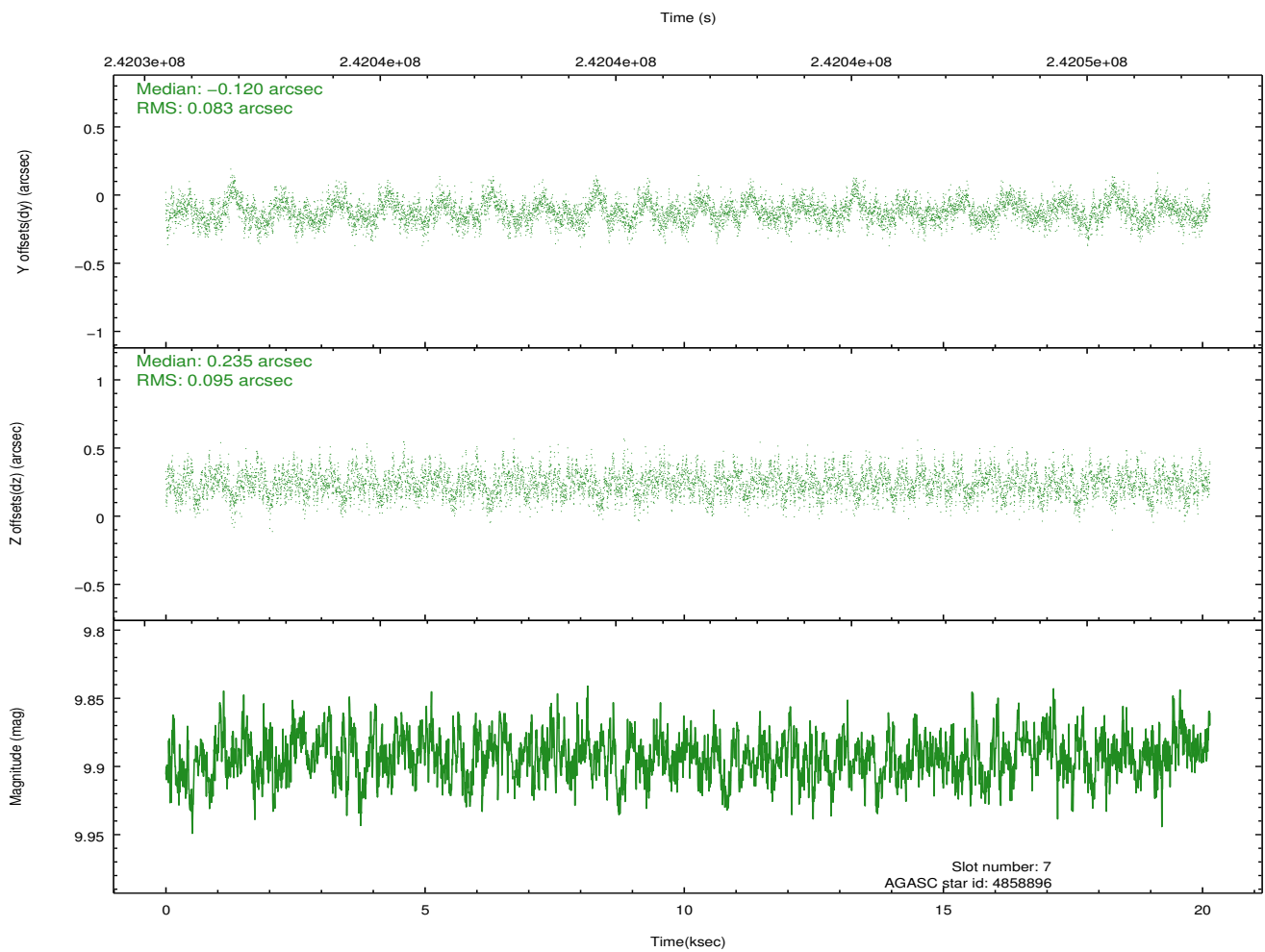
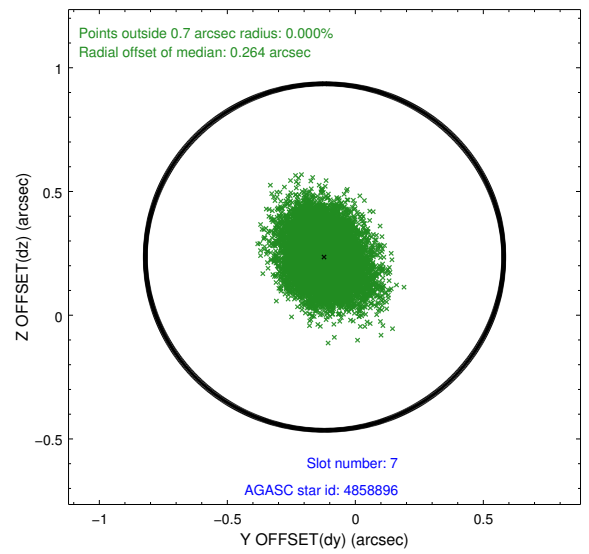
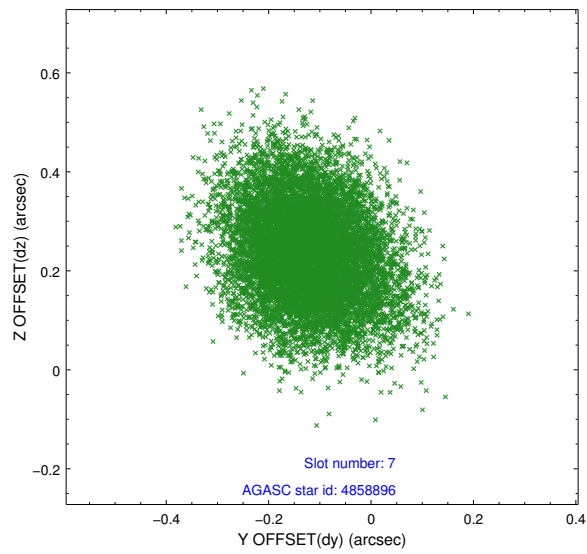
2.4.3 Slot 5



2.4.4 Slot 6

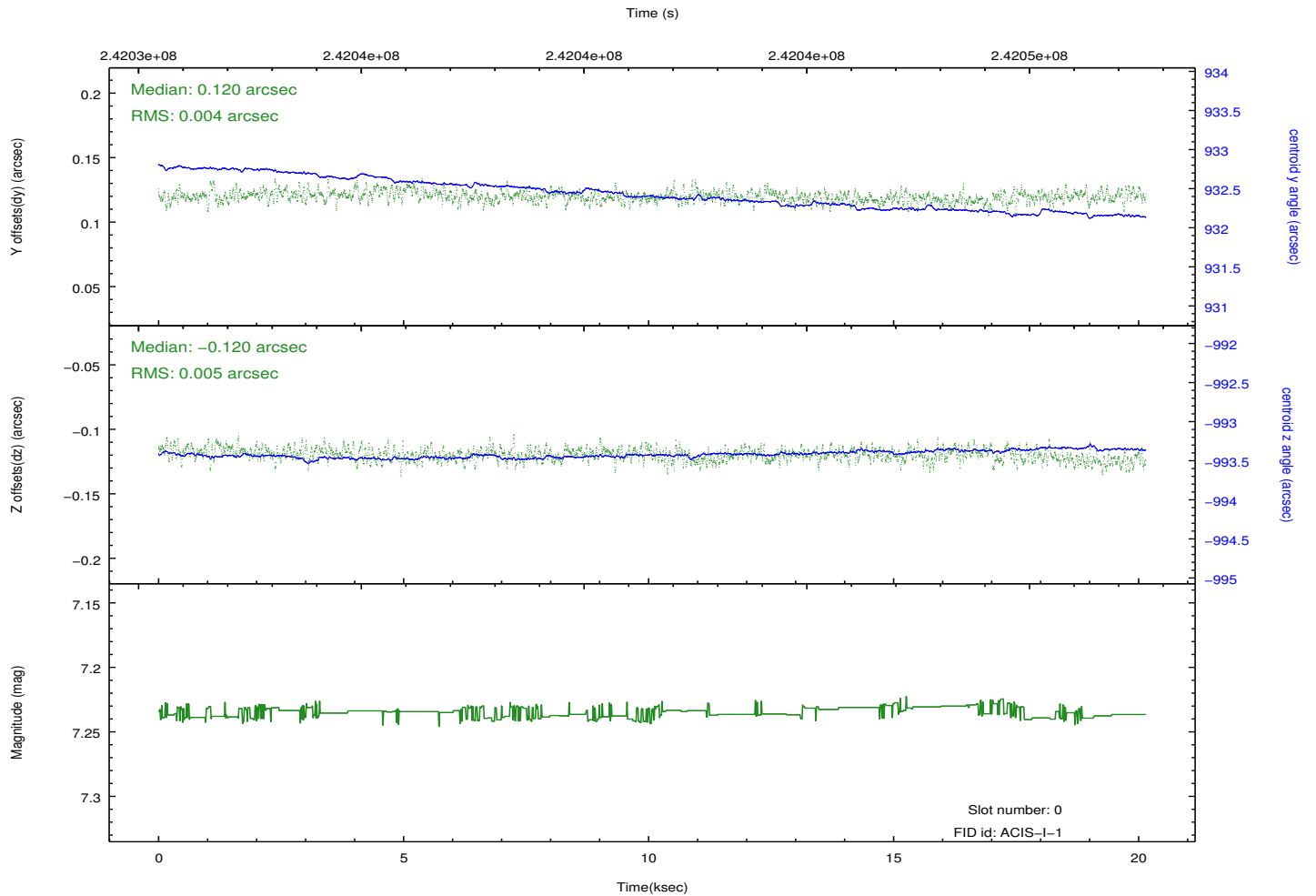
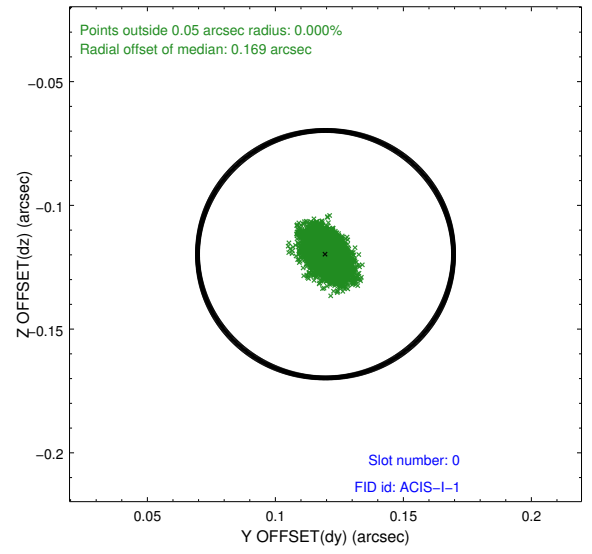
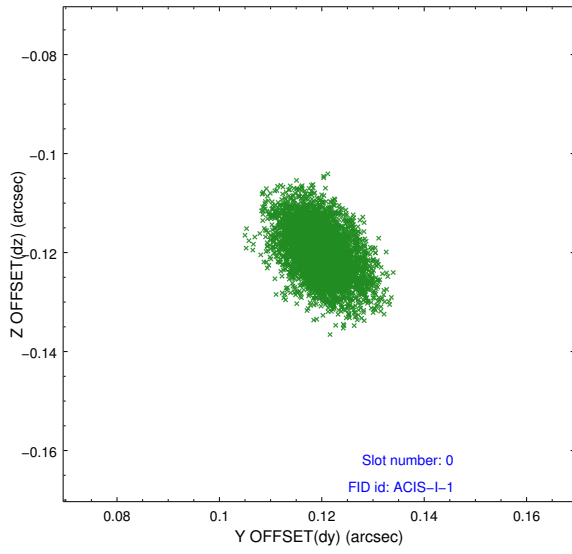


2.4.5 Slot 7

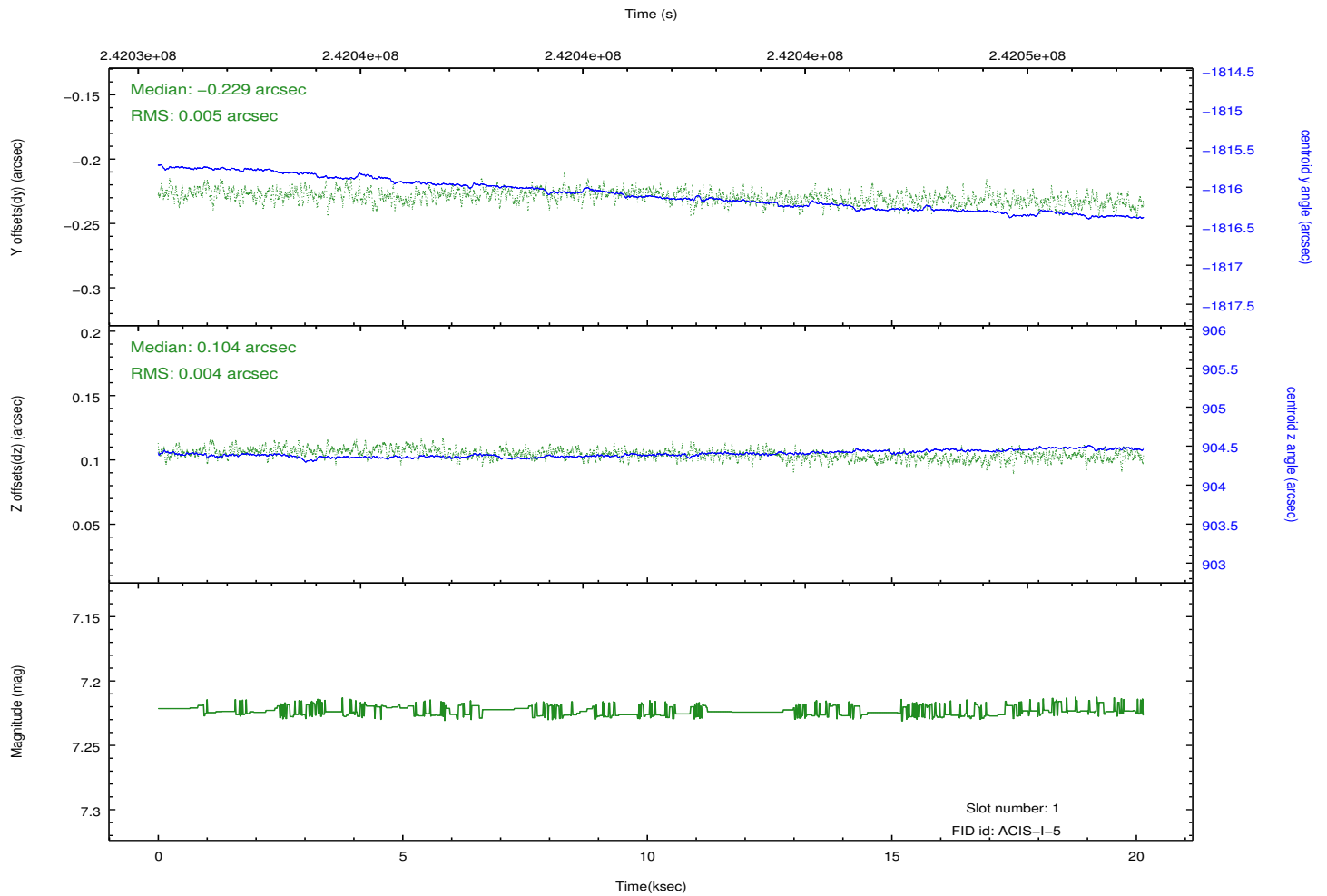
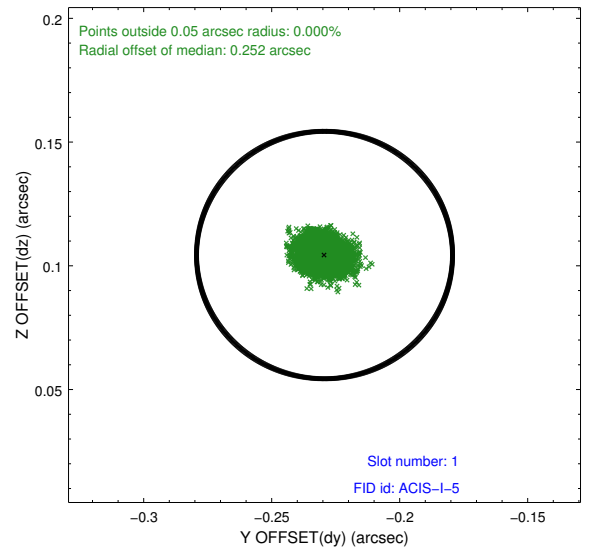
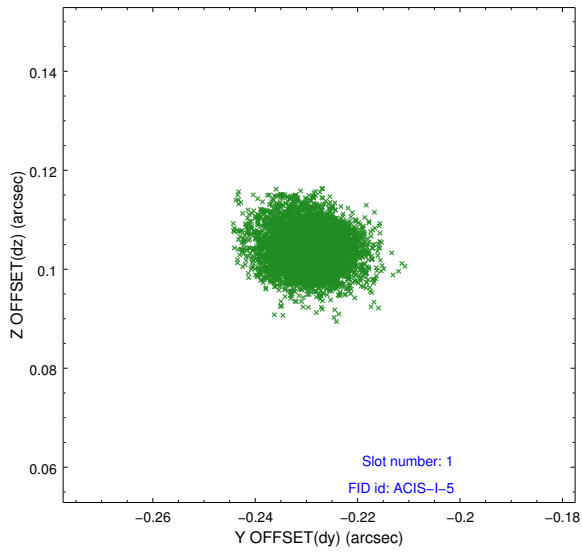


2.5 FID Slots

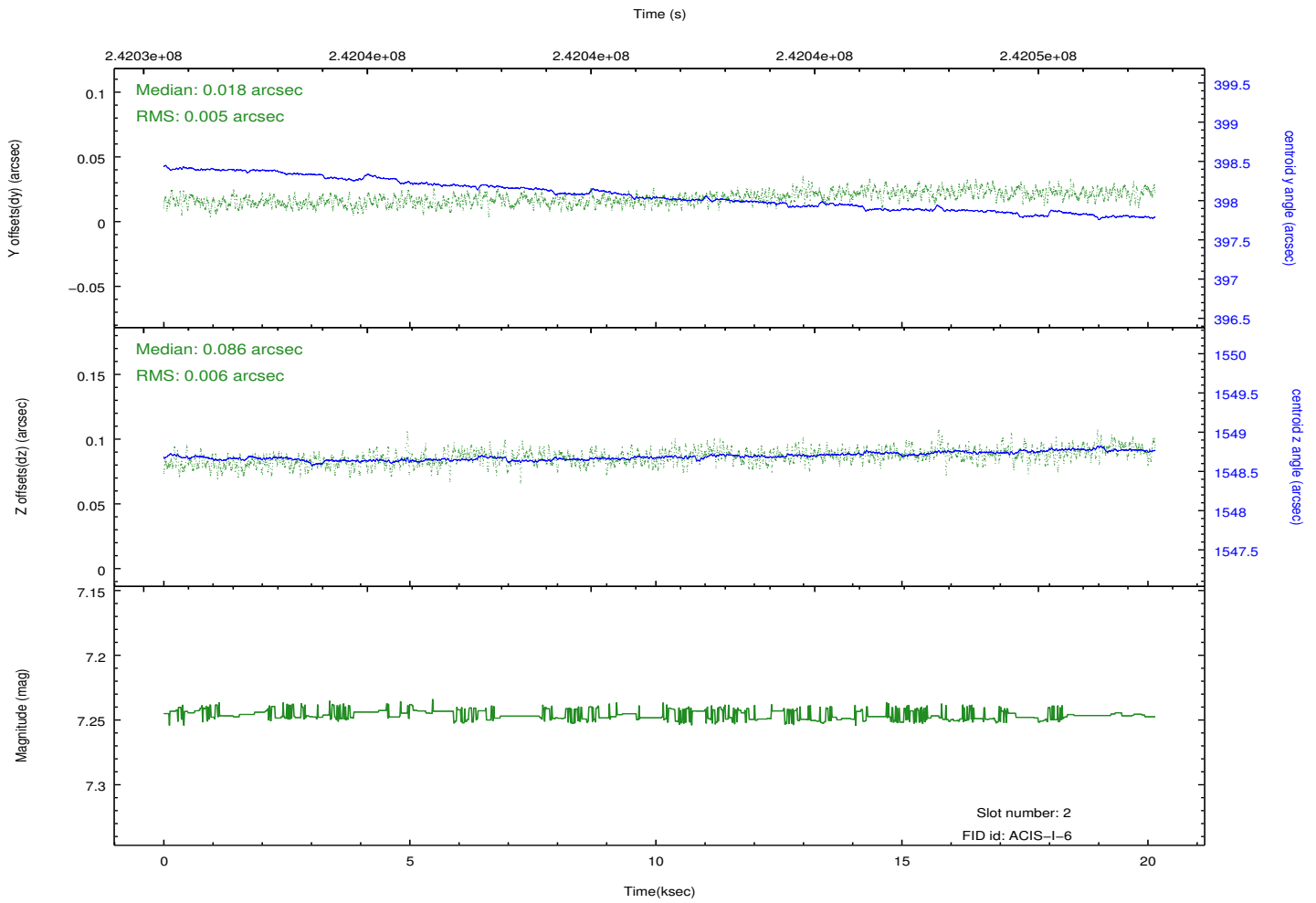
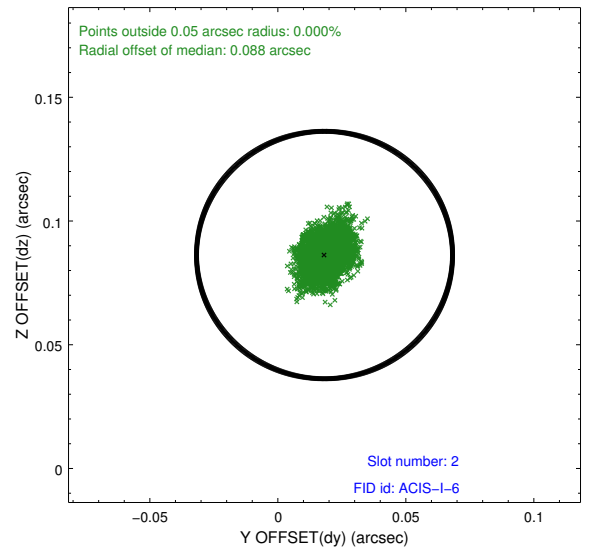
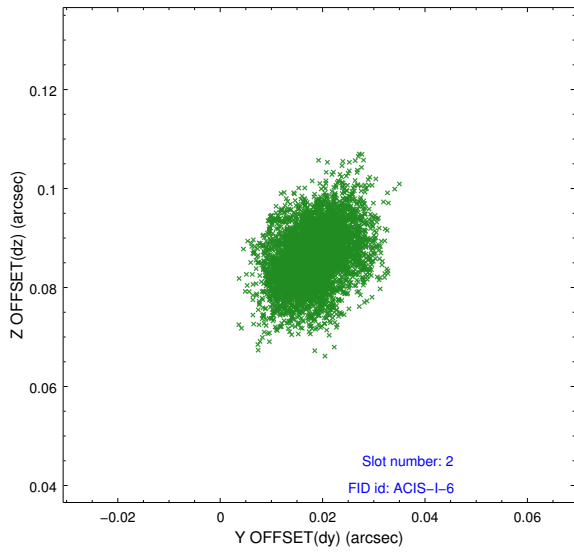
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.14379

A.2 Comments