

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9443 - L2 Version 2
Chandra X-Ray Center

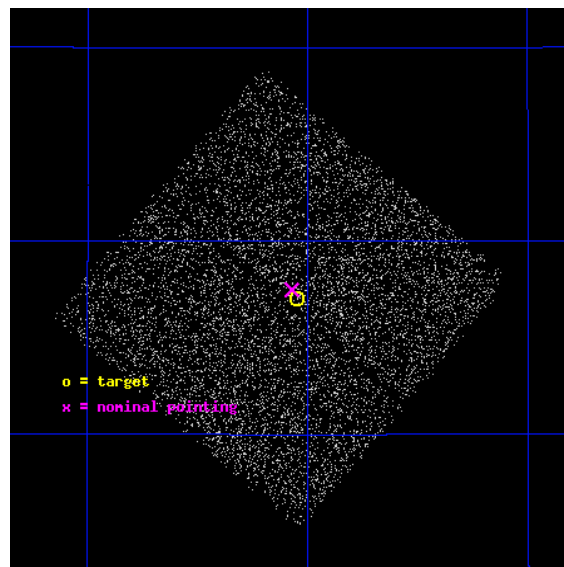
L2 Processing Date : May 25 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

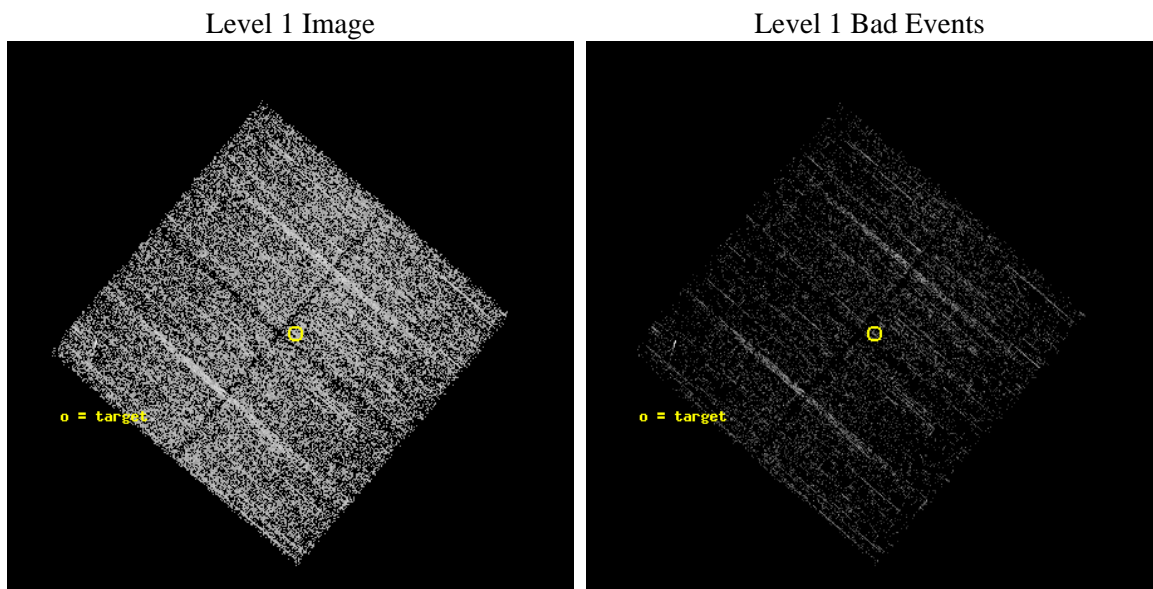
seq_num	900789	Sequence number
obs_id	9443	Observation id
title	Comparing the emission from an unbiased AGN sample with the X-ray background	Proposal title
observer	Dr Roland Walter	Principal investigator
object	LEDA 37241	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	178.2625	Observer's specified target RA [deg]
dec_targ	39.784444	Observer's specified target Dec [deg]
ra_nom	178.26818656594	Nominal RA [deg]
dec_nom	39.79134743299	Nominal Dec [deg]
roll_nom	40.625293603592	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2055.2283026576	Sum of GTIs [s]
livetime	2028.3752318463	Livetime [s]
ontime0	2051.9643020034	Sum of GTIs [s]
ontime1	2055.146222651	Sum of GTIs [s]
ontime2	2055.1872626543	Sum of GTIs [s]
ontime3	2055.2283026576	Sum of GTIs [s]
l2events	8506	Number of level 2 events



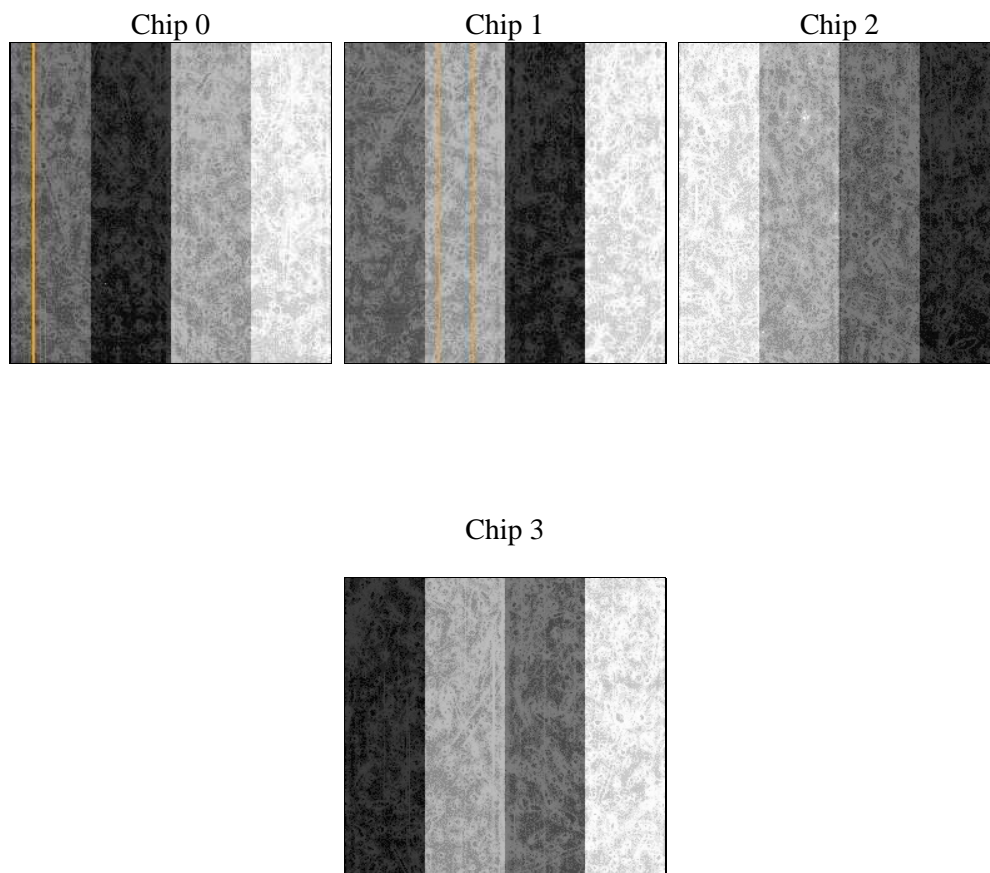
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2055.2283026576	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2051.9643020034	Sum of GTIs [s]
date	2012-05-25T05:09:44	Date and time of file creation	ontime1	2055.146222651	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2055.1872626543	Sum of GTIs [s]
			ontime3	2055.2283026576	Sum of GTIs [s]
			l1events	76006	Number of level 1 events

2.1.4 Events

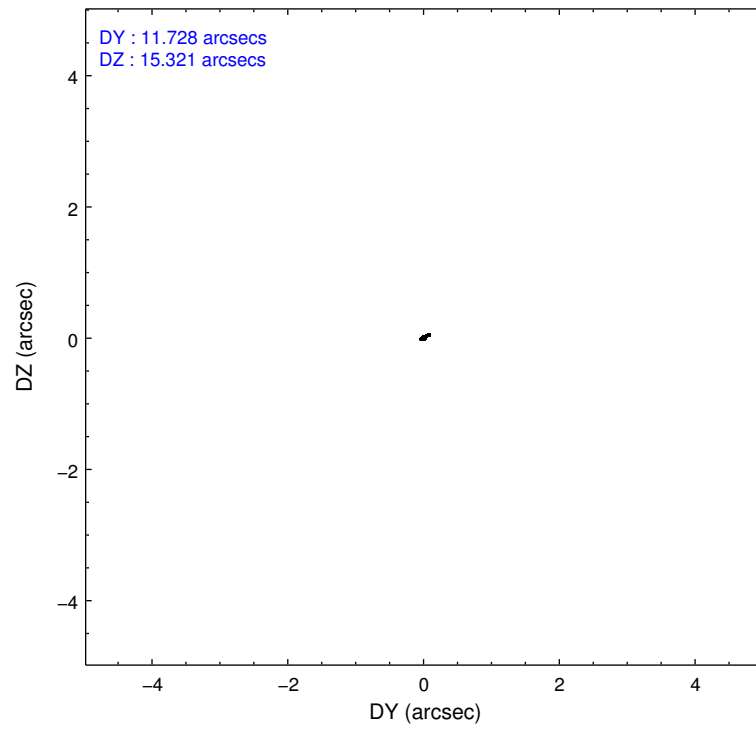
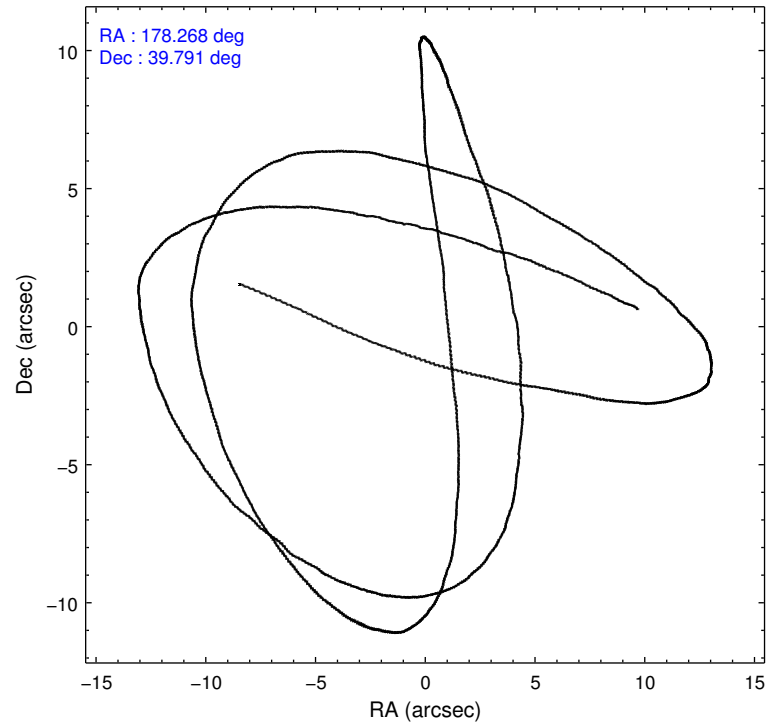
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	18092	18341	19368	20205
rejected events	15638	15681	17069	17717
rejected %	86%	85%	88%	87%

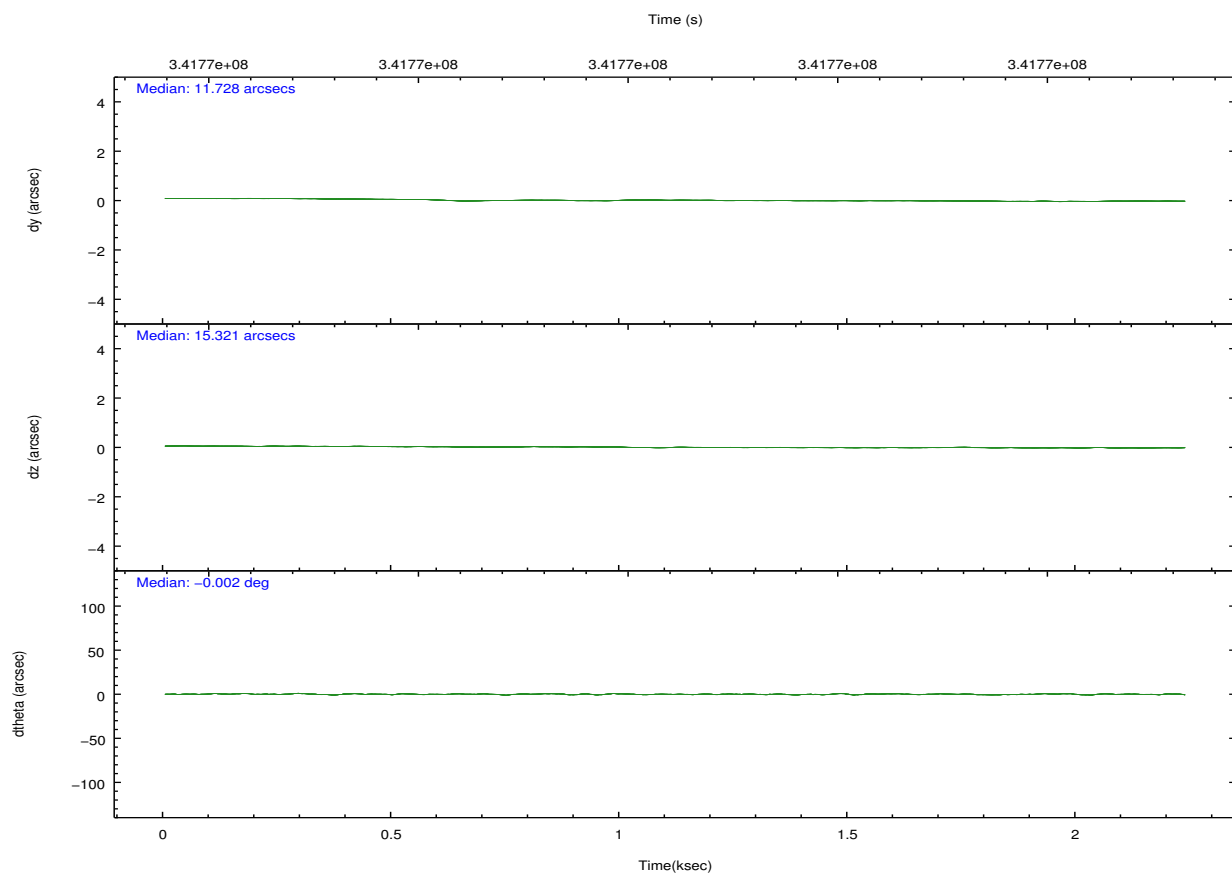
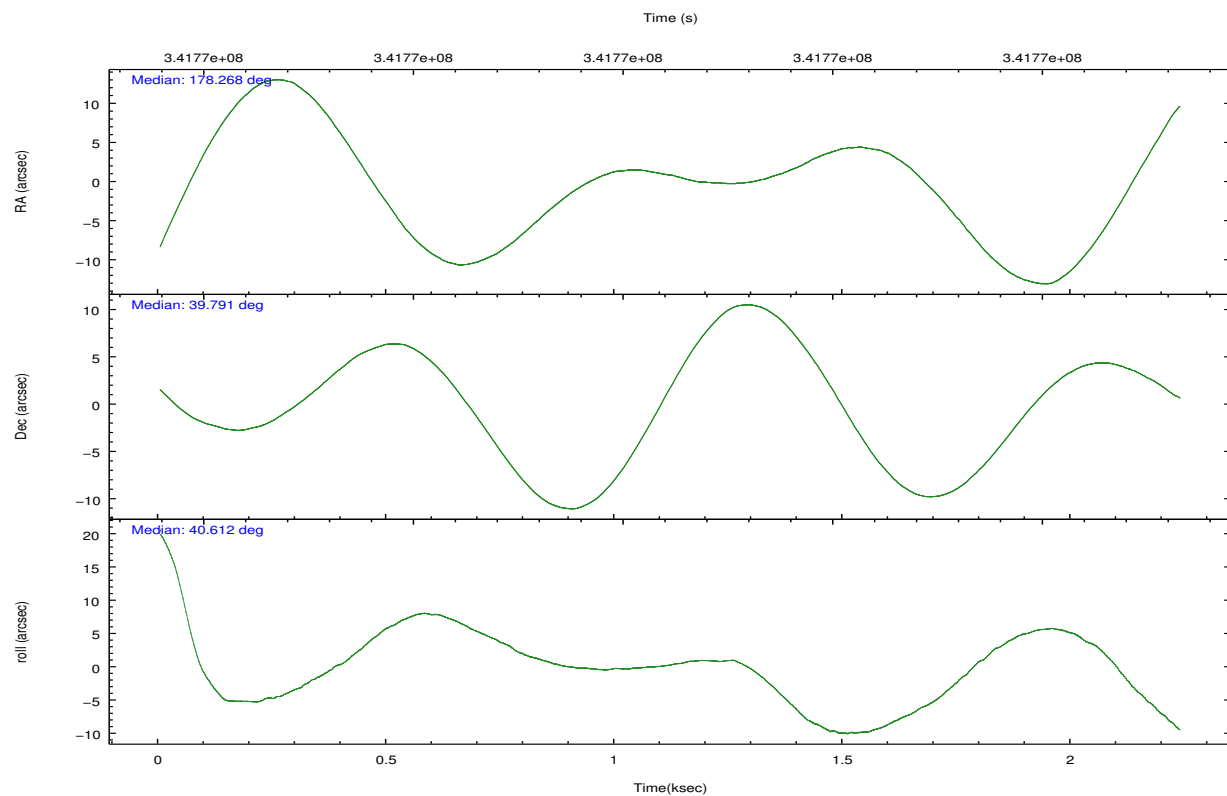
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1033	1014	1039	1069
	5%	5%	5%	5%
grade 1 events	12	12	17	14
	0%	0%	0%	0%
grade 2 events	554	640	471	544
	3%	3%	2%	2%
grade 3 events	237	247	191	239
	1%	1%	0%	1%
grade 4 events	215	246	215	218
	1%	1%	1%	1%
grade 5 events	872	873	776	887
	4%	4%	4%	4%
grade 6 events	415	519	393	426
	2%	2%	2%	2%
grade 7 events	14754	14790	16266	16808
	81%	80%	83%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	178.256360	178.2681865659441	Subarray requested	NONE	NONE
[deg] Pointing Dec	39.765311	39.79134743299048	Alternating exposures requested	N	N
[deg] Pointing Roll	40.424194	40.62529360359162	[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	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	341769233.184000	341768335.75663			
Observation start date	2008-10-30T15:52:48	2008-10-30T15:38:55			
[s] Observation end time (MET)	341771233.184000	341771522.48179			
Observation end date	2008-10-30T16:26:08	2008-10-30T16:32:02			
Read mode	TIMED	TIMED			

2.3 Aspect



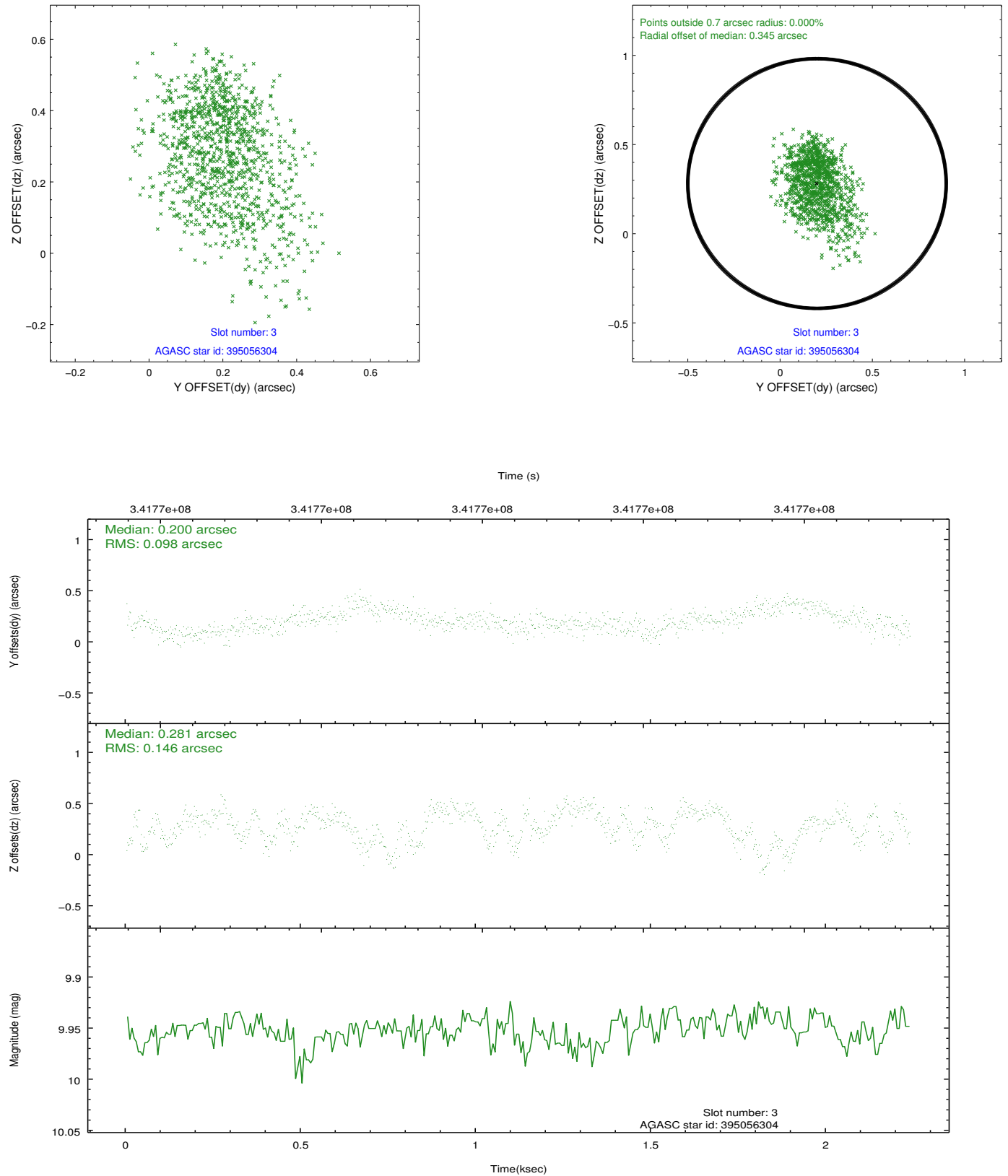


Slot Statistics

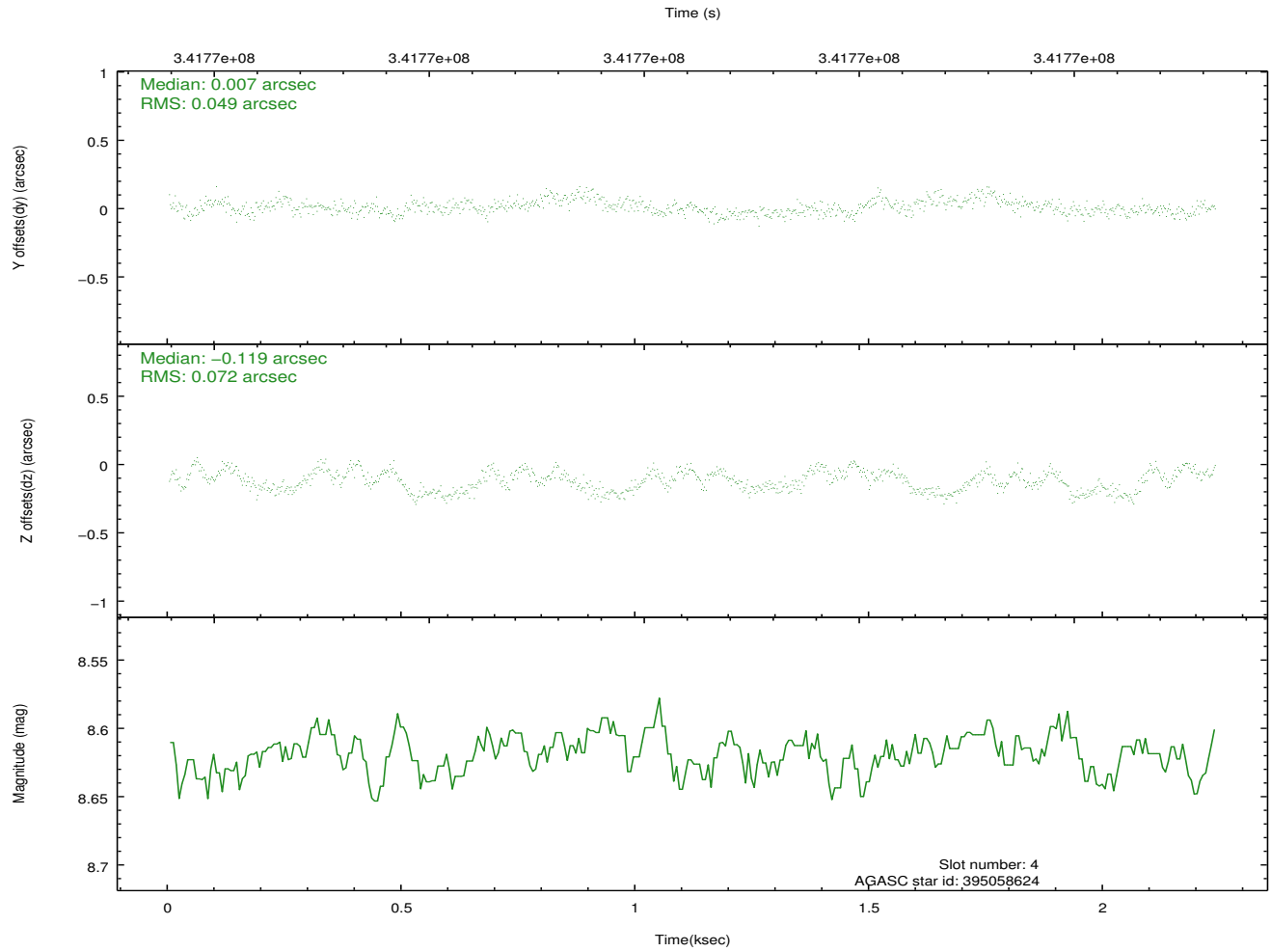
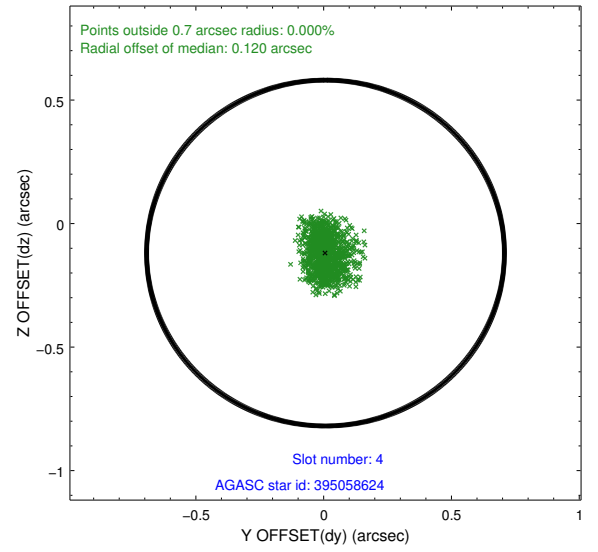
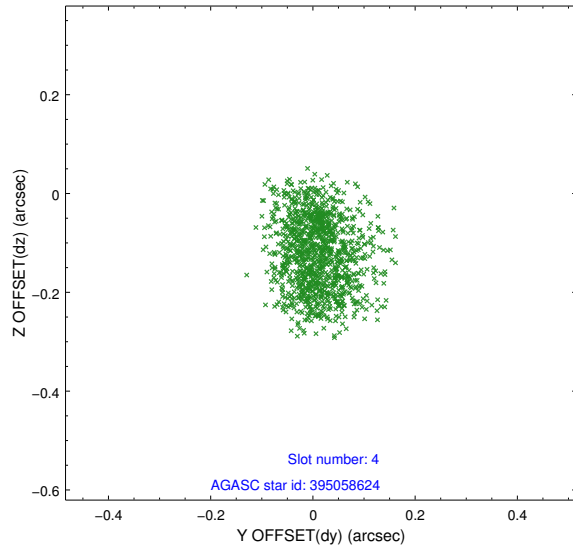
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	546	0.030	-0.021	0.007	0.011	0.000000	0.000000	927.83	-838.97
1	FID	ACIS-I-5	7.00	546	-0.167	0.044	0.006	0.010	0.000000	0.000000	-1818.85	1057.14
2	FID	ACIS-I-6	7.00	546	0.046	0.048	0.007	0.011	0.000000	0.000000	390.24	1704.93
3	GUIDE	395056304	9.95	1088	0.200	0.281	0.185	0.313	178.683774	39.252298	-287.92	-2176.19
4	GUIDE	395058624	8.62	1092	0.007	-0.119	0.095	0.145	178.161712	40.131201	654.23	1169.70
5	GUIDE	395059064	9.16	1091	-0.064	-0.149	0.118	0.184	178.122107	40.295372	957.12	1693.12
6	GUIDE	395060120	9.46	1090	-0.043	-0.053	0.101	0.154	178.875015	39.807488	1405.27	-987.27
7	GUIDE	395060416	10.26	1088	-0.097	0.045	0.194	0.346	179.254424	39.631716	1806.49	-2149.19

2.4 Star Slots

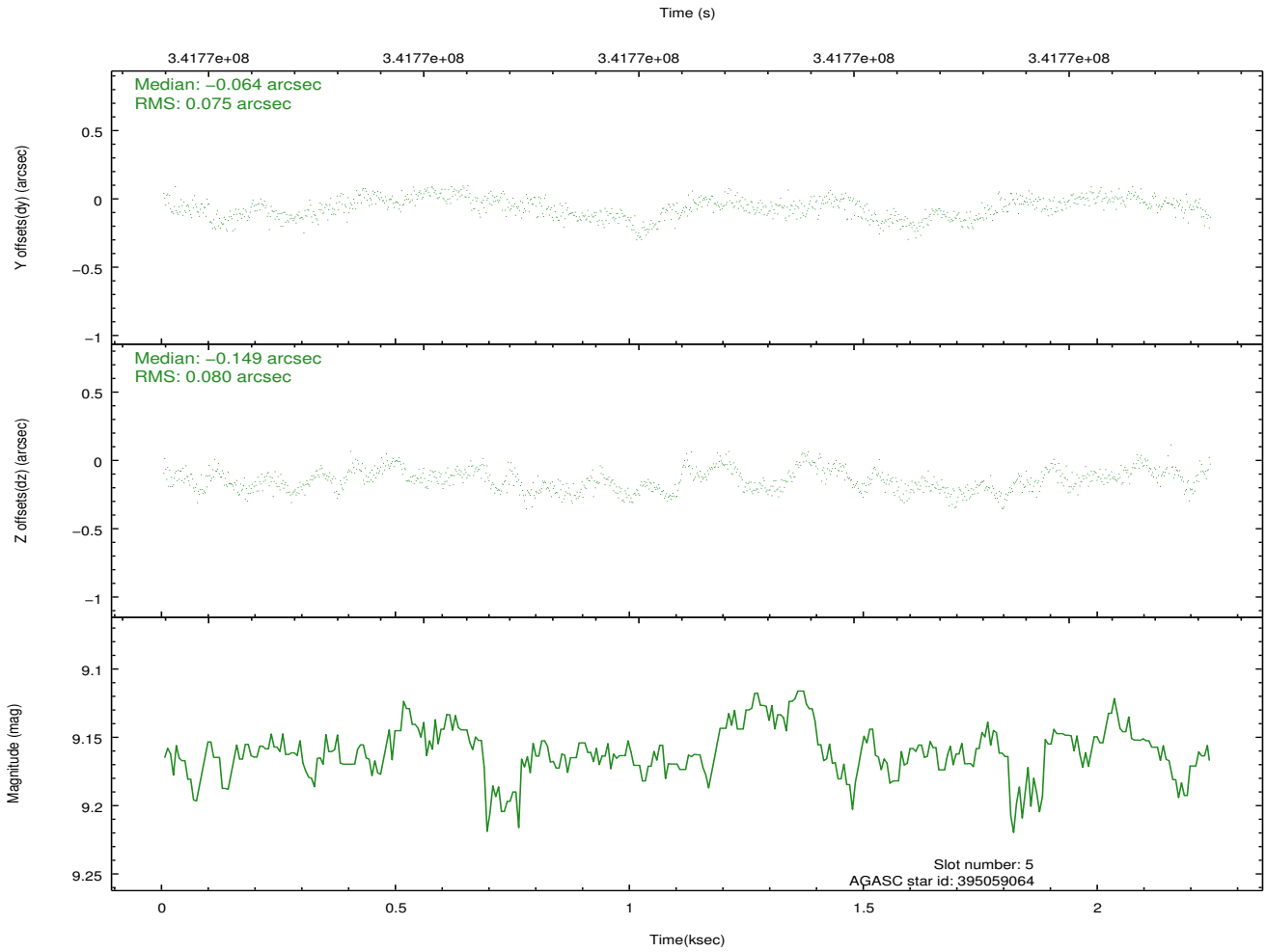
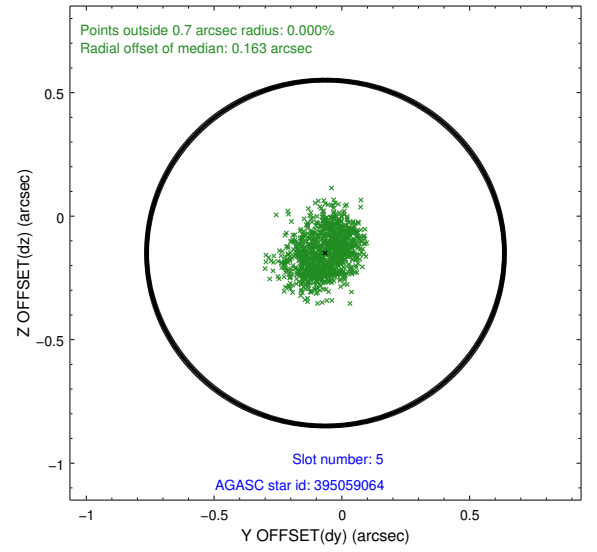
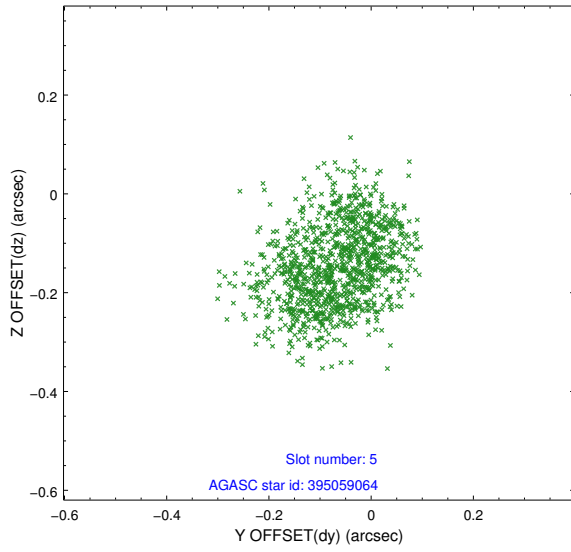
2.4.1 Slot 3



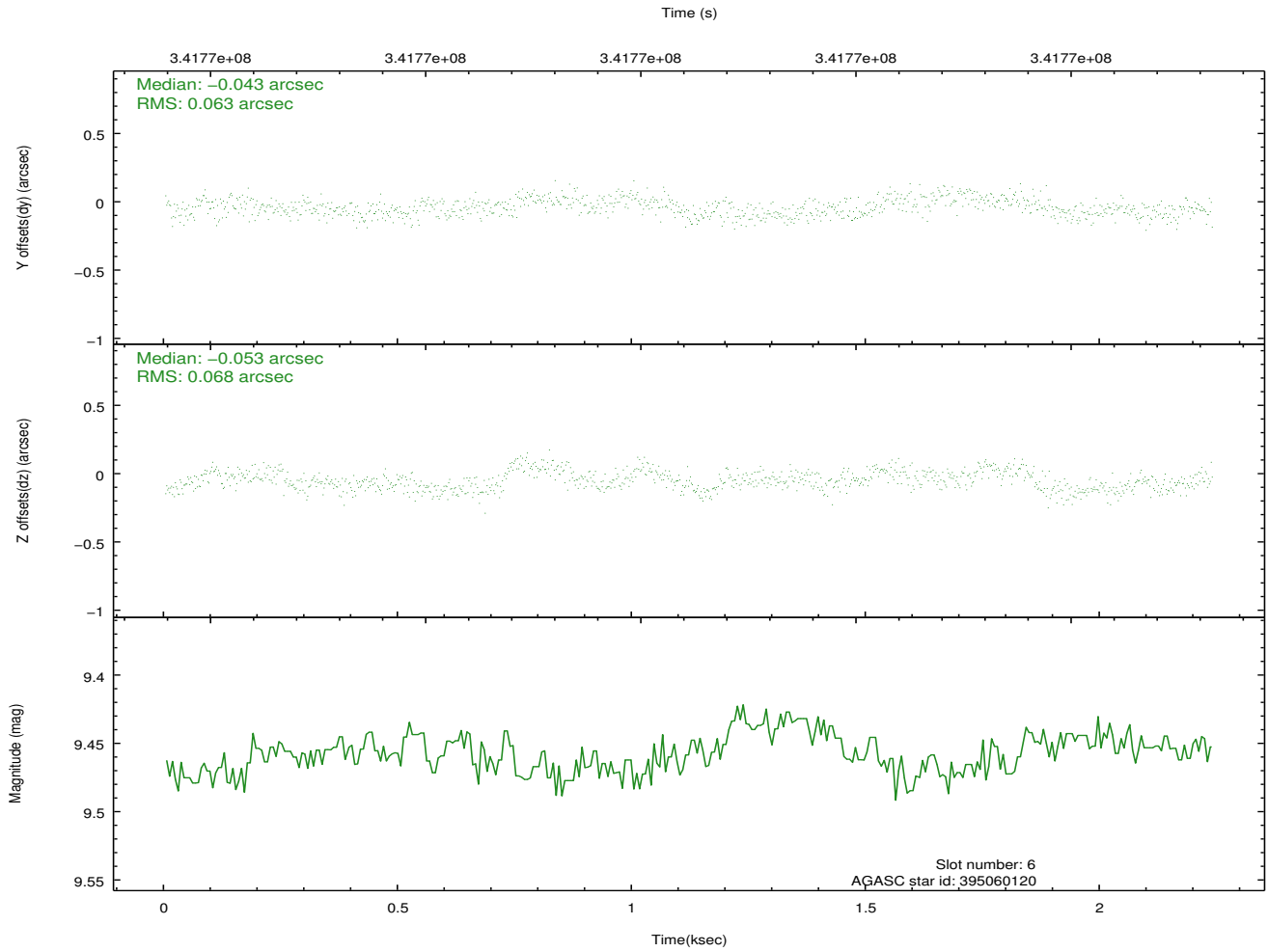
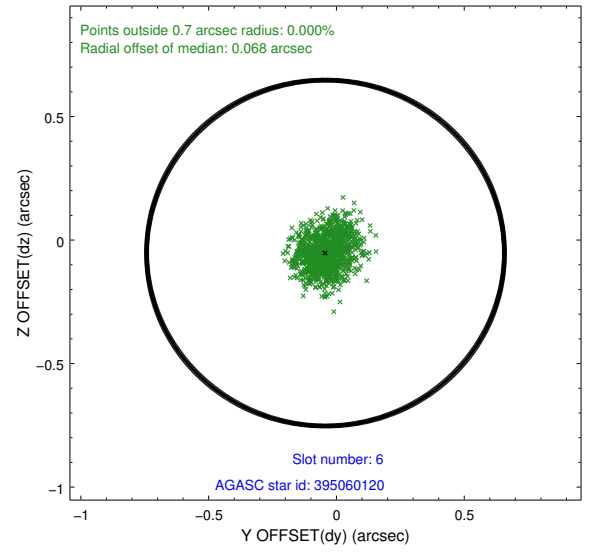
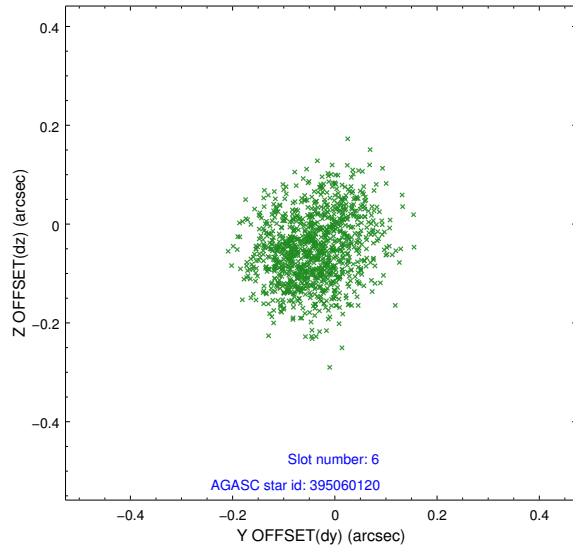
2.4.2 Slot 4



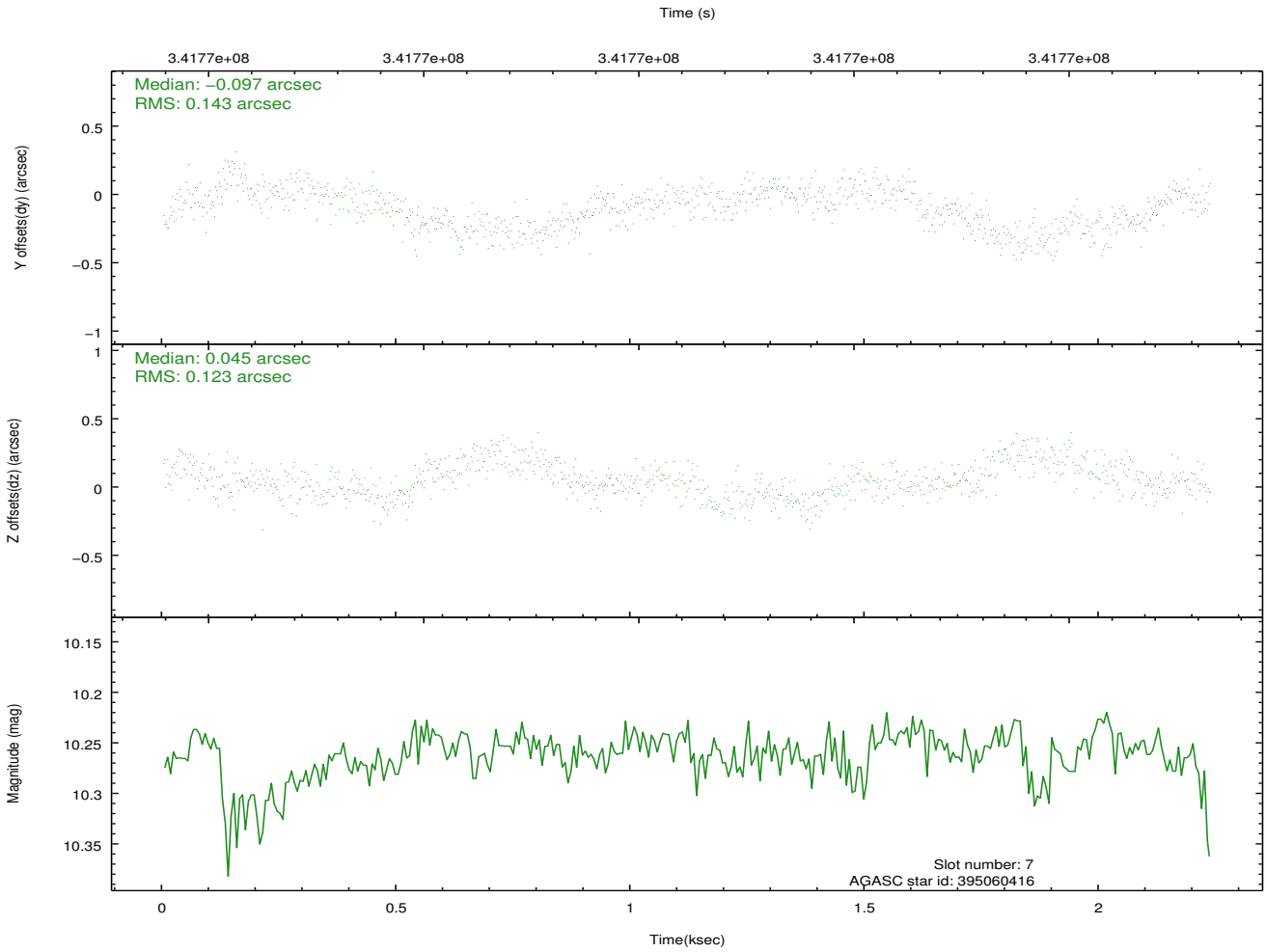
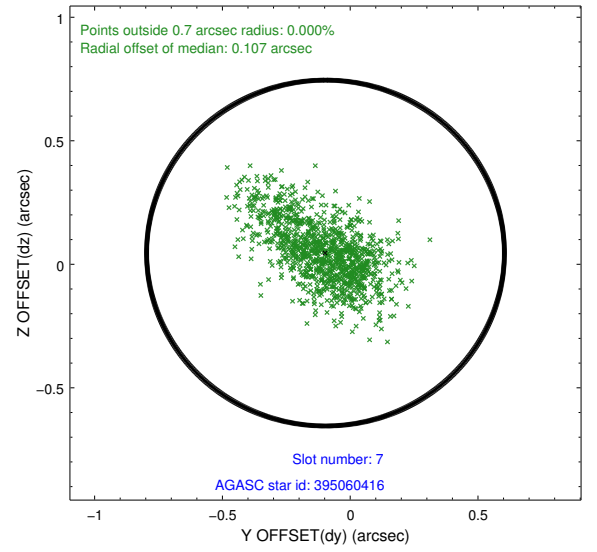
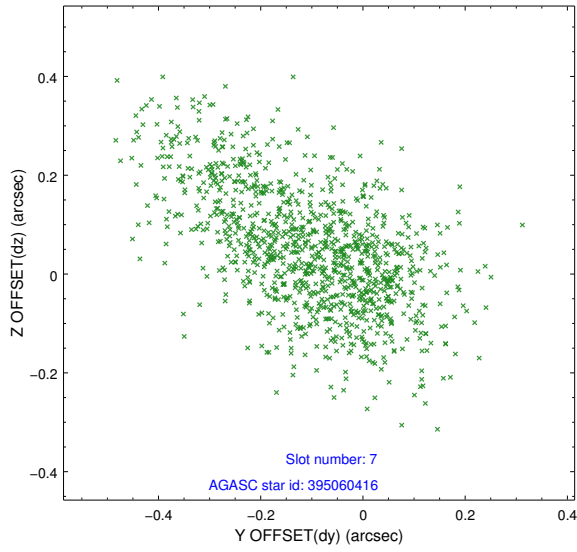
2.4.3 Slot 5



2.4.4 Slot 6

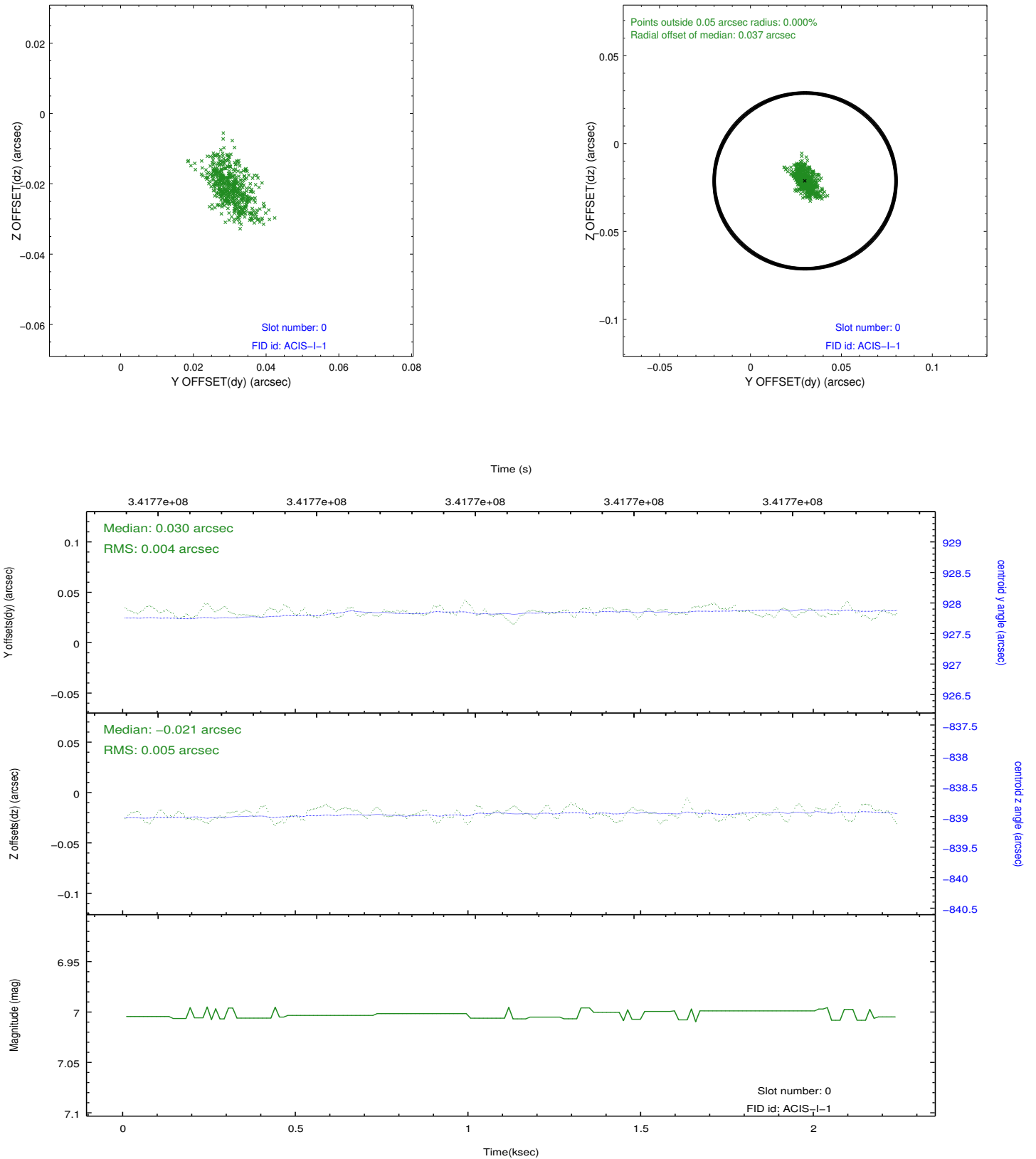


2.4.5 Slot 7

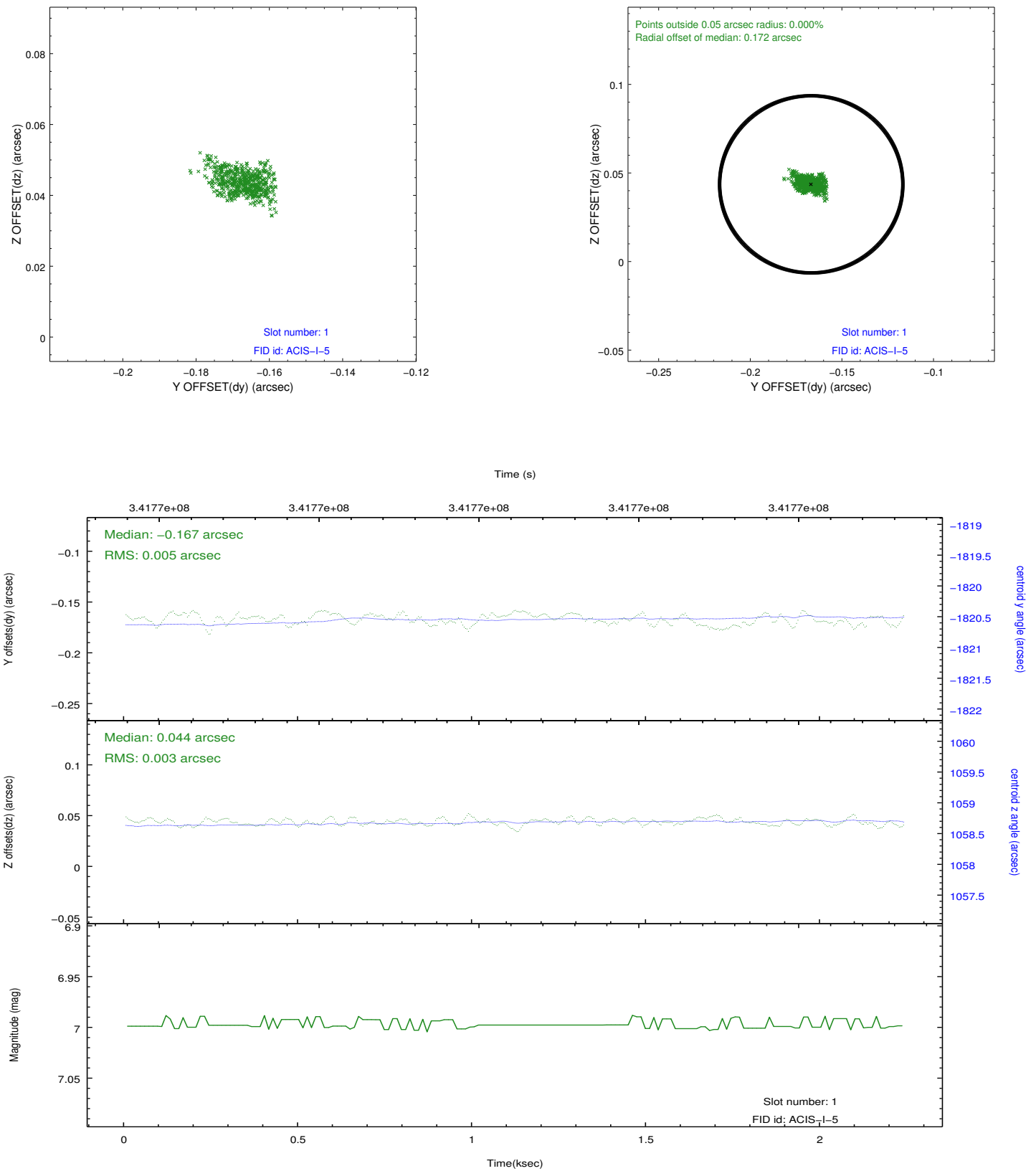


2.5 FID Slots

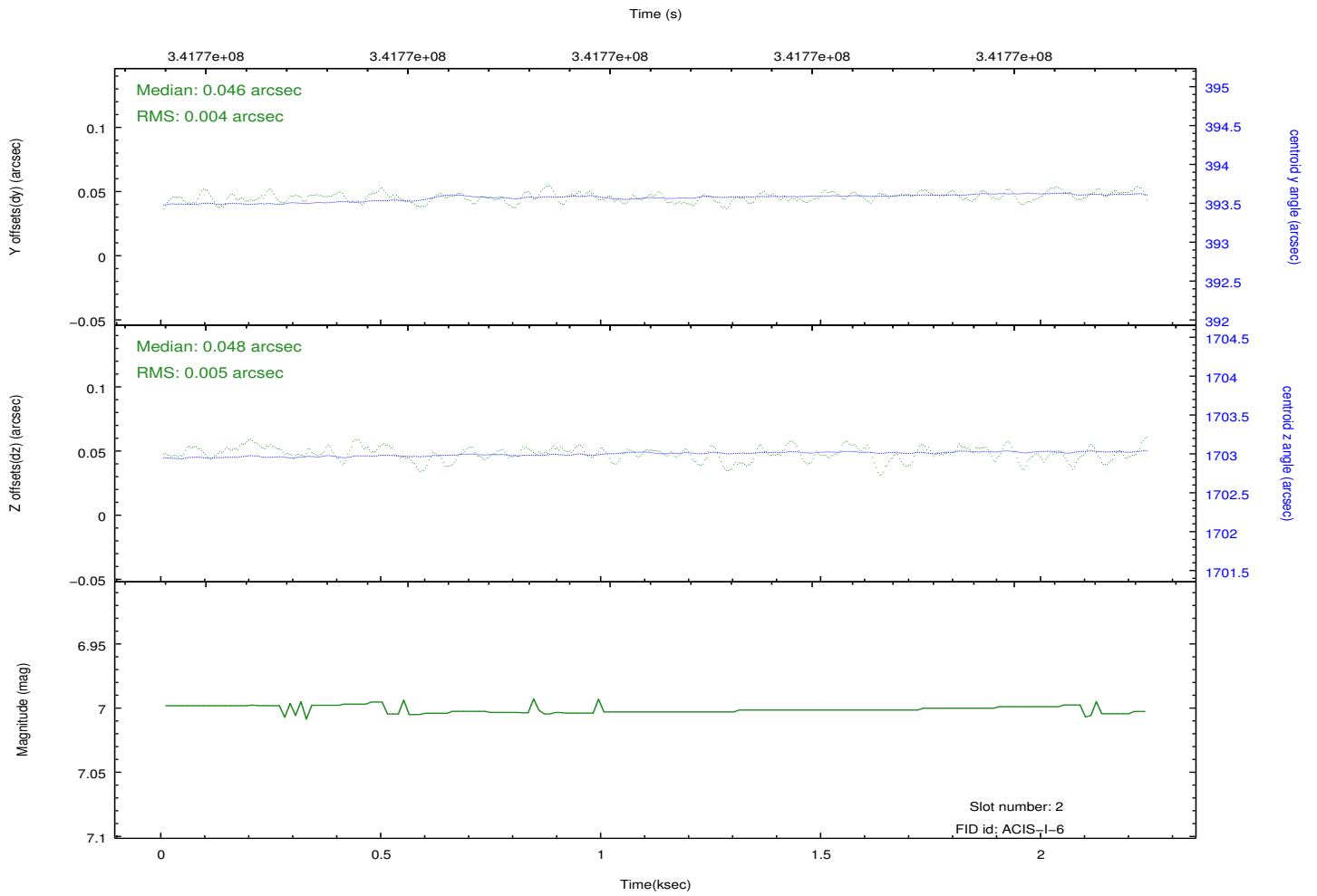
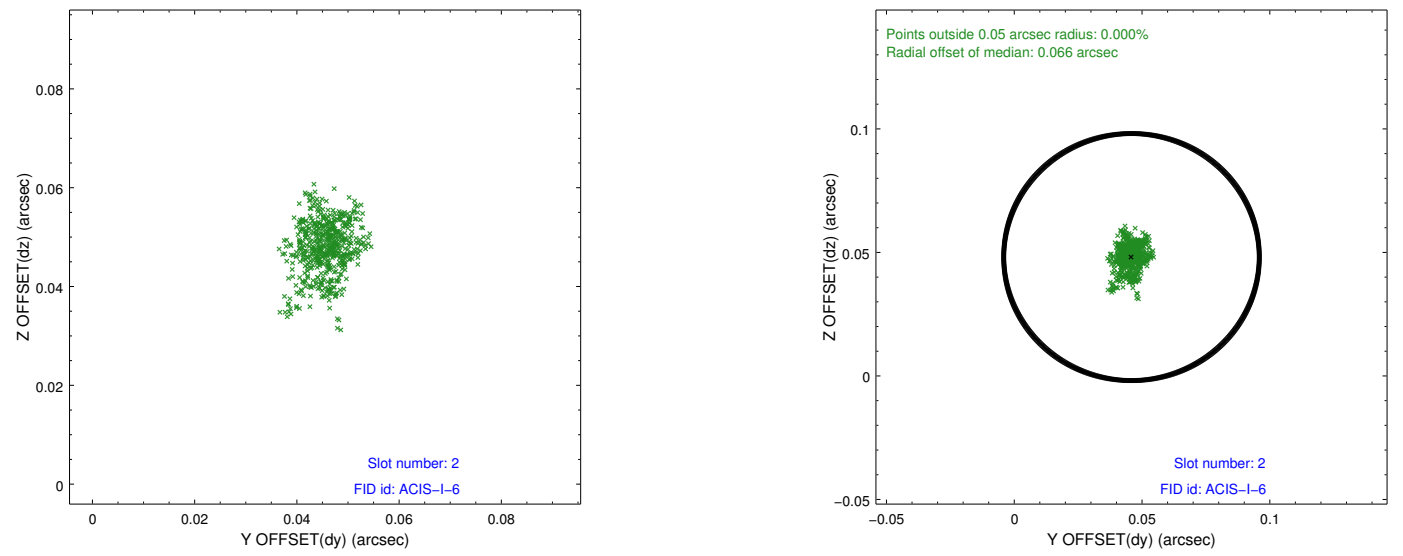
2.5.1 Slot 0



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)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.05530001

A.2 Comments