

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13572 - L2 Version 2
Chandra X-Ray Center

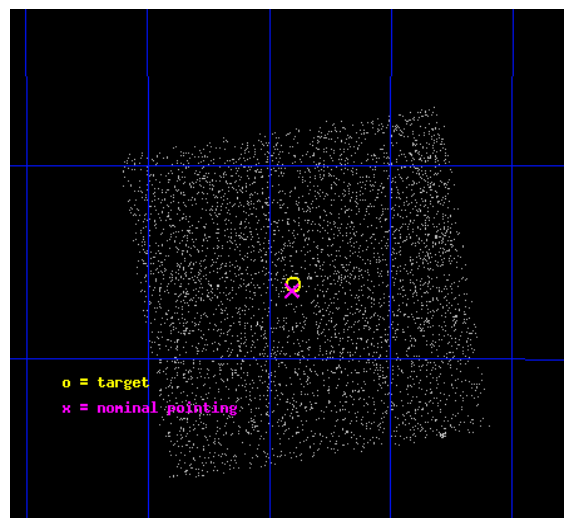
L2 Processing Date : Feb 25 2012

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1 Front

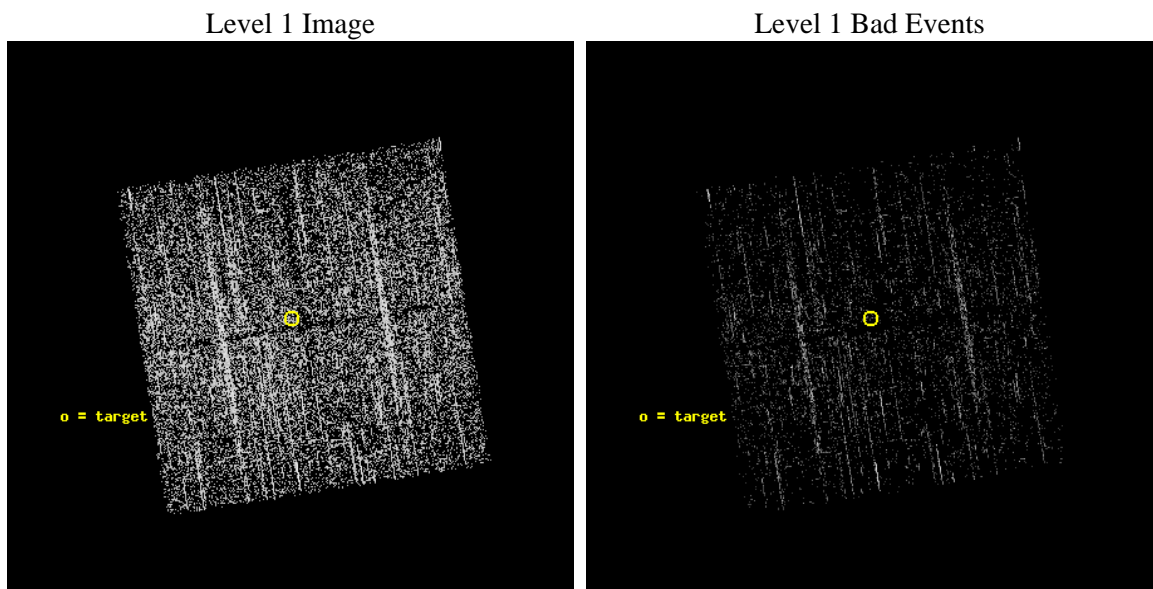
seq_num	401348	Sequence number
obs_id	13572	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.475101	Observer's specified target RA [deg]
dec_targ	-32.102774	Observer's specified target Dec [deg]
ra_nom	266.47691165345	Nominal RA [deg]
dec_nom	-32.108022077184	Nominal Dec [deg]
roll_nom	261.07021274429	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1973.408977747	Sum of GTIs [s]
livetime	1947.6249366501	Livetime [s]
ontime0	1973.2858378291	Sum of GTIs [s]
ontime1	1973.3268778324	Sum of GTIs [s]
ontime2	1973.3679178357	Sum of GTIs [s]
ontime3	1973.408977747	Sum of GTIs [s]
l2events	4917	Number of level 2 events



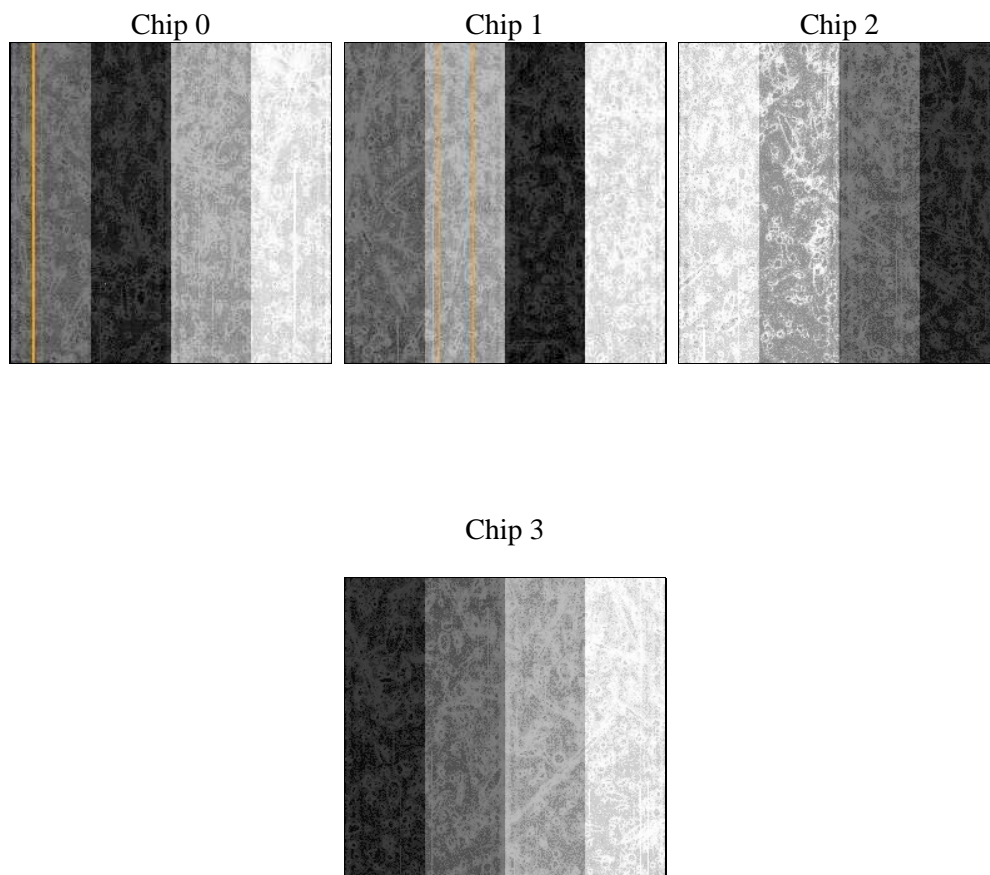
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1973.408977747	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1973.2858378291	Sum of GTIs [s]
date	2012-02-26T01:18:46	Date and time of file creation	ontime1	1973.3268778324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1973.3679178357	Sum of GTIs [s]
			ontime3	1973.408977747	Sum of GTIs [s]
			l1events	44589	Number of level 1 events

2.1.4 Events

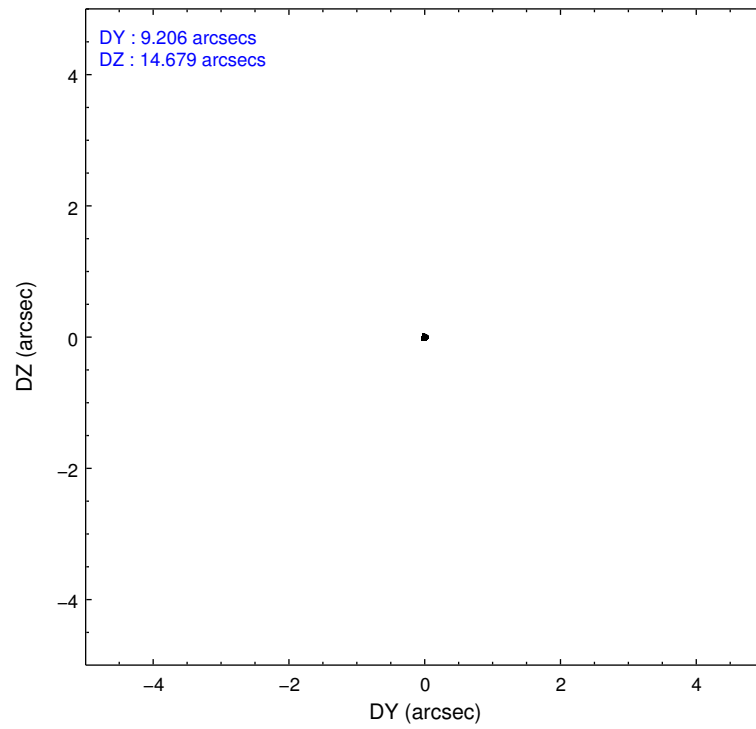
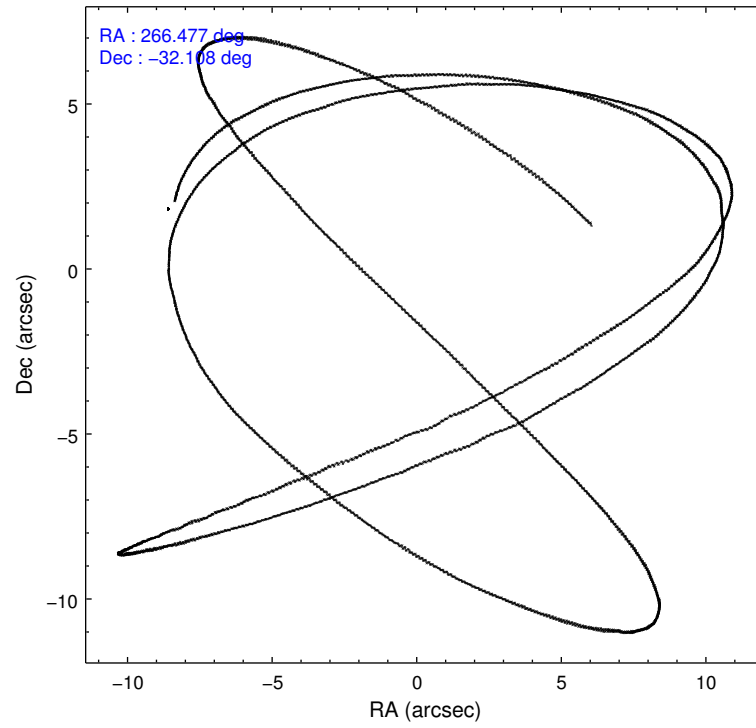
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	10554	10388	12324	11323
rejected events	9141	8735	10925	9909
rejected %	86%	84%	88%	87%

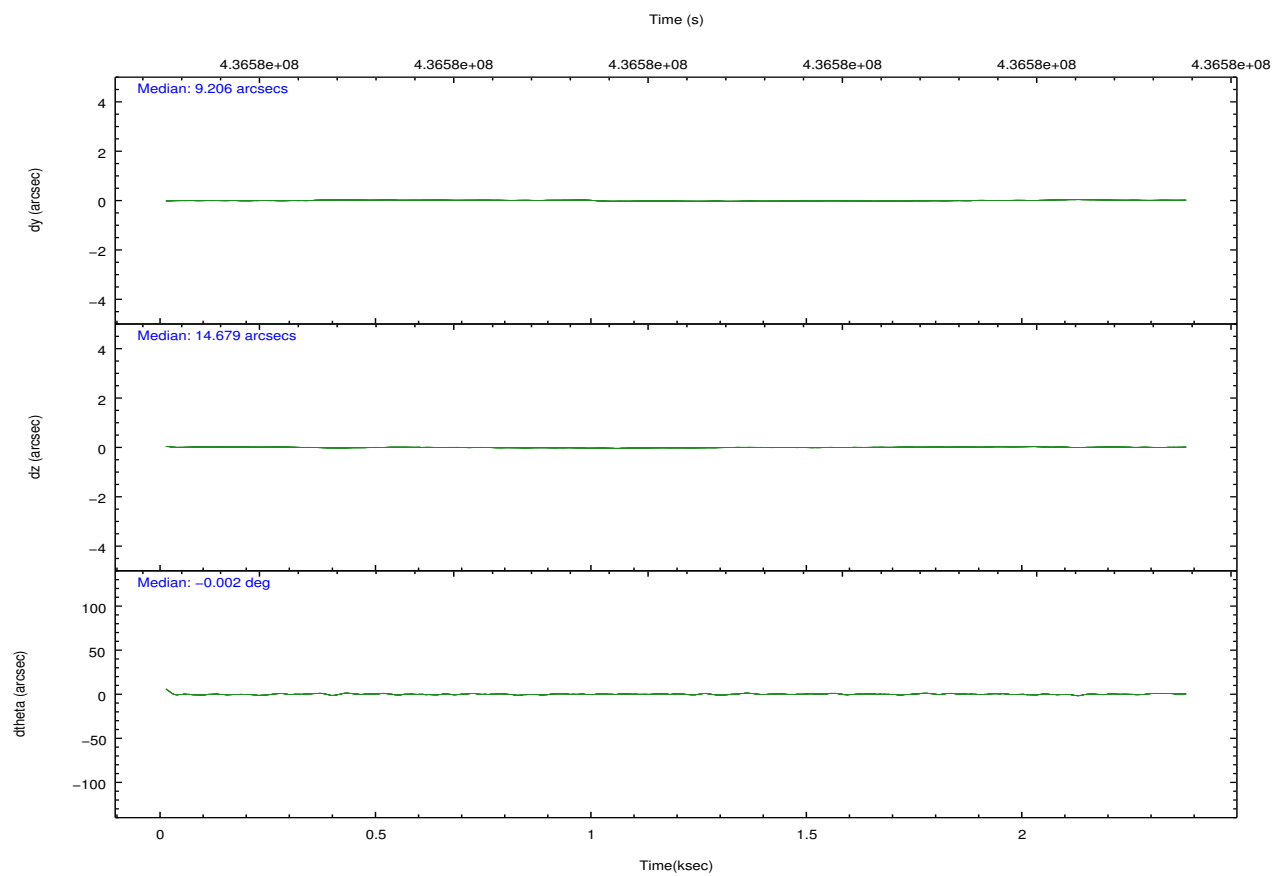
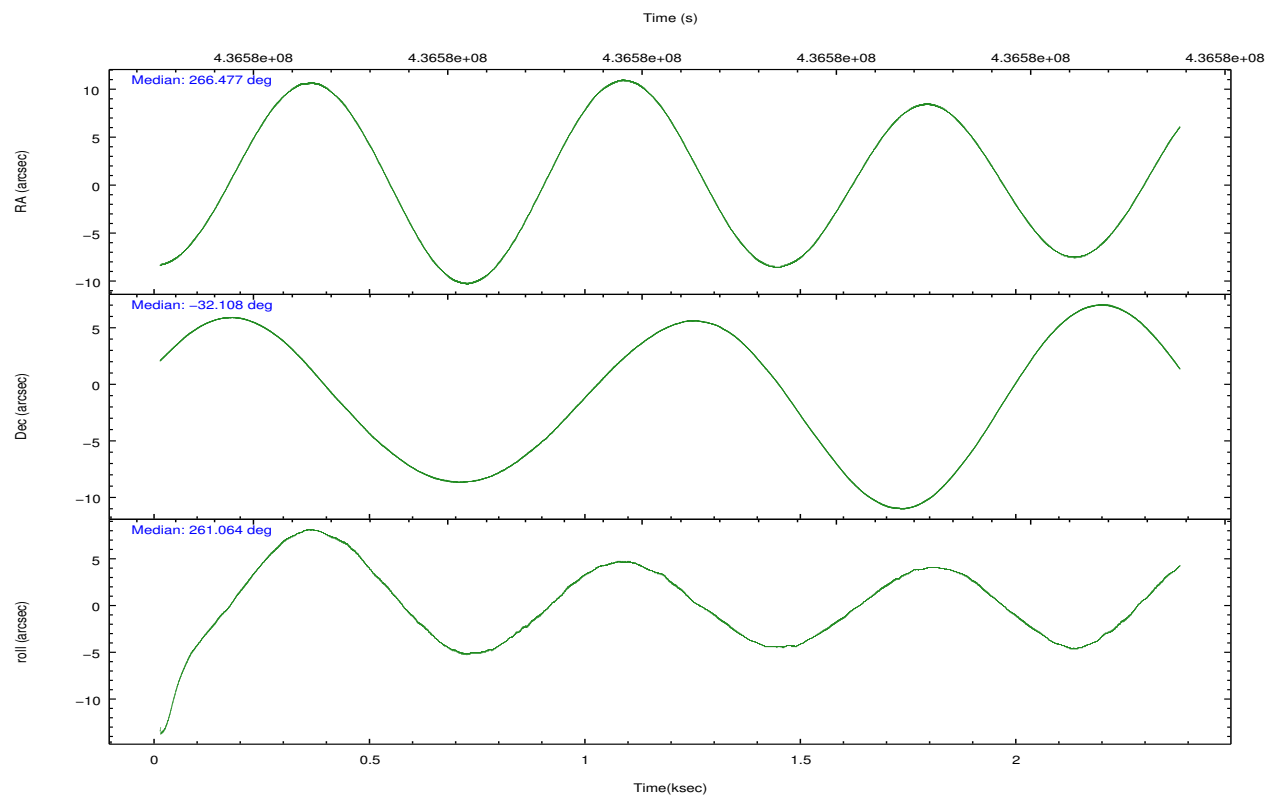
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	522	630	546	568
	4%	6%	4%	5%
grade 1 events	2	8	3	10
	0%	0%	0%	0%
grade 2 events	342	370	324	300
	3%	3%	2%	2%
grade 3 events	143	160	121	152
	1%	1%	0%	1%
grade 4 events	139	161	136	126
	1%	1%	1%	1%
grade 5 events	537	524	504	588
	5%	5%	4%	5%
grade 6 events	267	342	273	276
	2%	3%	2%	2%
grade 7 events	8602	8193	10417	9303
	81%	78%	84%	82%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.465167	266.4769116534472	Subarray requested	NONE	NONE
[deg] Pointing Dec	-32.082689	-32.10802207718407	Alternating exposures requested	N	N
[deg] Pointing Roll	260.855319	261.0702127442917	[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)	436578089.184000	436577713.23489			
Observation start date	2011-11-01T23:40:23	2011-11-01T23:35:13			
[s] Observation end time (MET)	436580269.184000	436580402.83503			
Observation end date	2011-11-02T00:16:43	2011-11-02T00:20:02			
Read mode	TIMED	TIMED			

2.3 Aspect



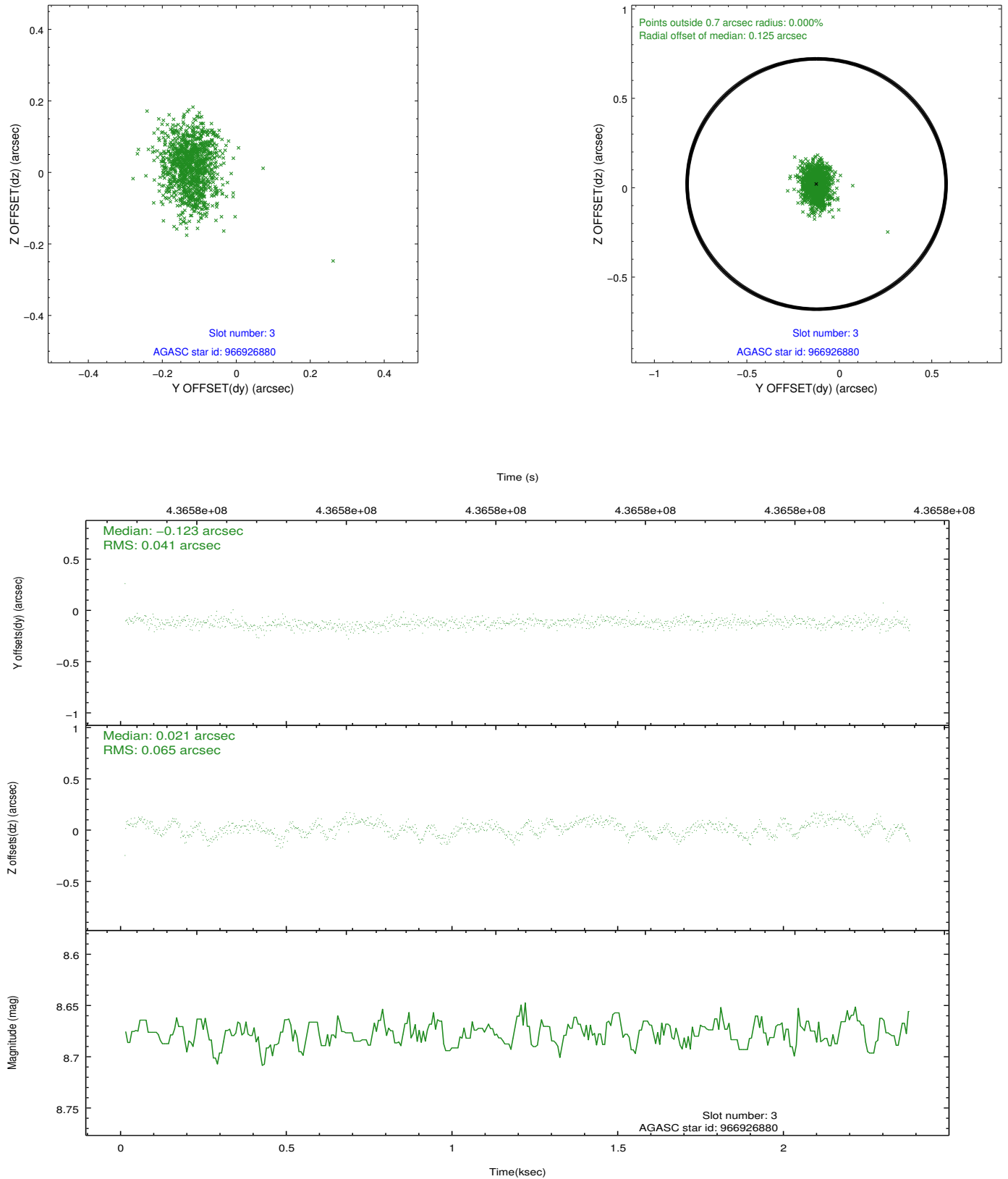


Slot Statistics

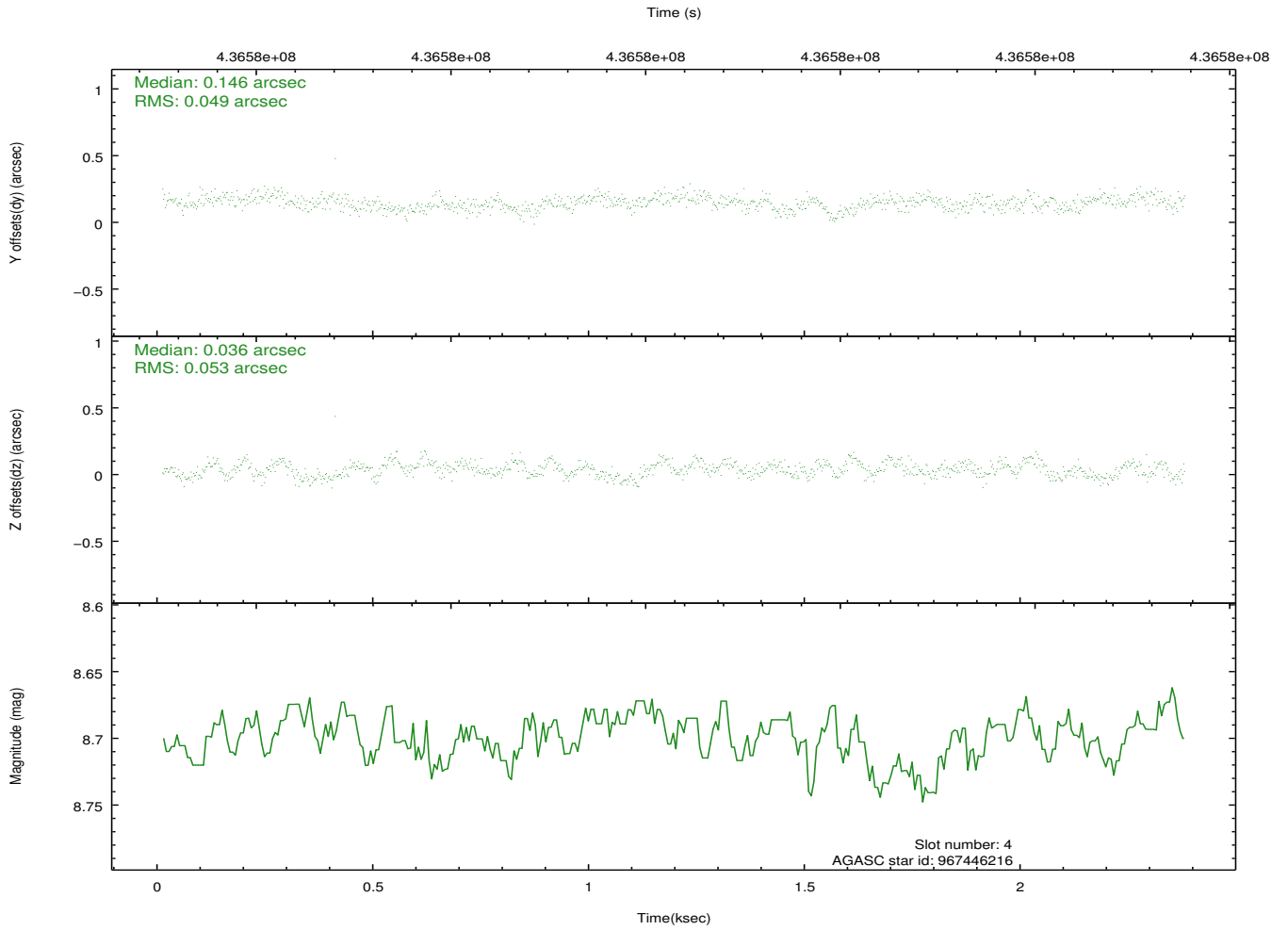
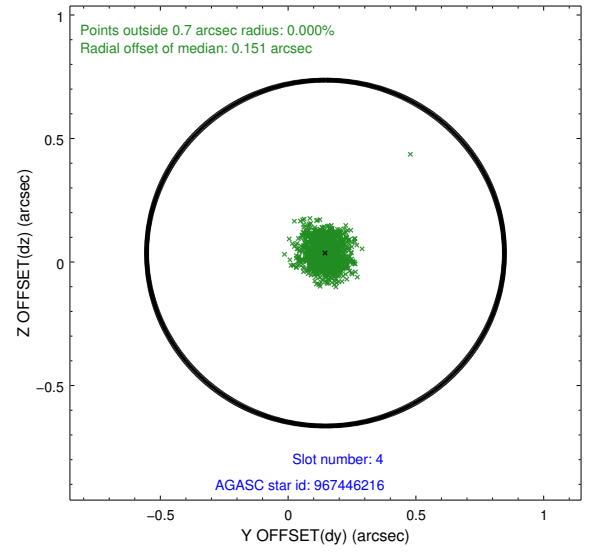
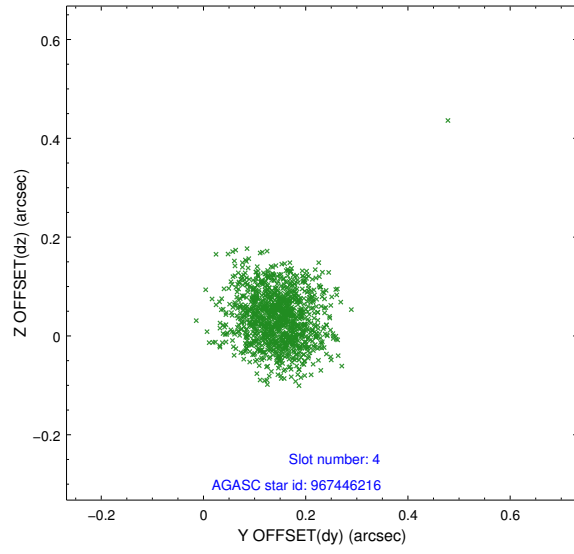
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	578	0.014	-0.008	0.007	0.012	0.000000	0.000000	930.43	-838.27
1	FID	ACIS-I-4	6.94	578	0.135	0.023	0.007	0.012	0.000000	0.000000	2152.11	1060.20
2	FID	ACIS-I-5	7.01	578	-0.247	0.056	0.006	0.012	0.000000	0.000000	-1814.32	1061.17
3	GUIDE	966926880	8.68	1156	-0.123	0.021	0.080	0.134	265.970408	-31.411350	-2139.88	-1884.27
4	GUIDE	967446216	8.70	1156	0.146	0.036	0.077	0.120	266.739036	-32.414310	1046.83	1010.54
5	GUIDE	967446352	7.74	1156	0.077	0.090	0.080	0.130	267.069988	-32.671157	1807.89	2148.44
6	GUIDE	967448688	8.12	1156	0.069	-0.113	0.089	0.148	265.570021	-32.523235	2012.00	-2426.50
7	GUIDE	967451816	9.28	1148	-0.168	-0.036	0.122	0.194	267.266669	-31.901374	-1021.75	2314.49

2.4 Star Slots

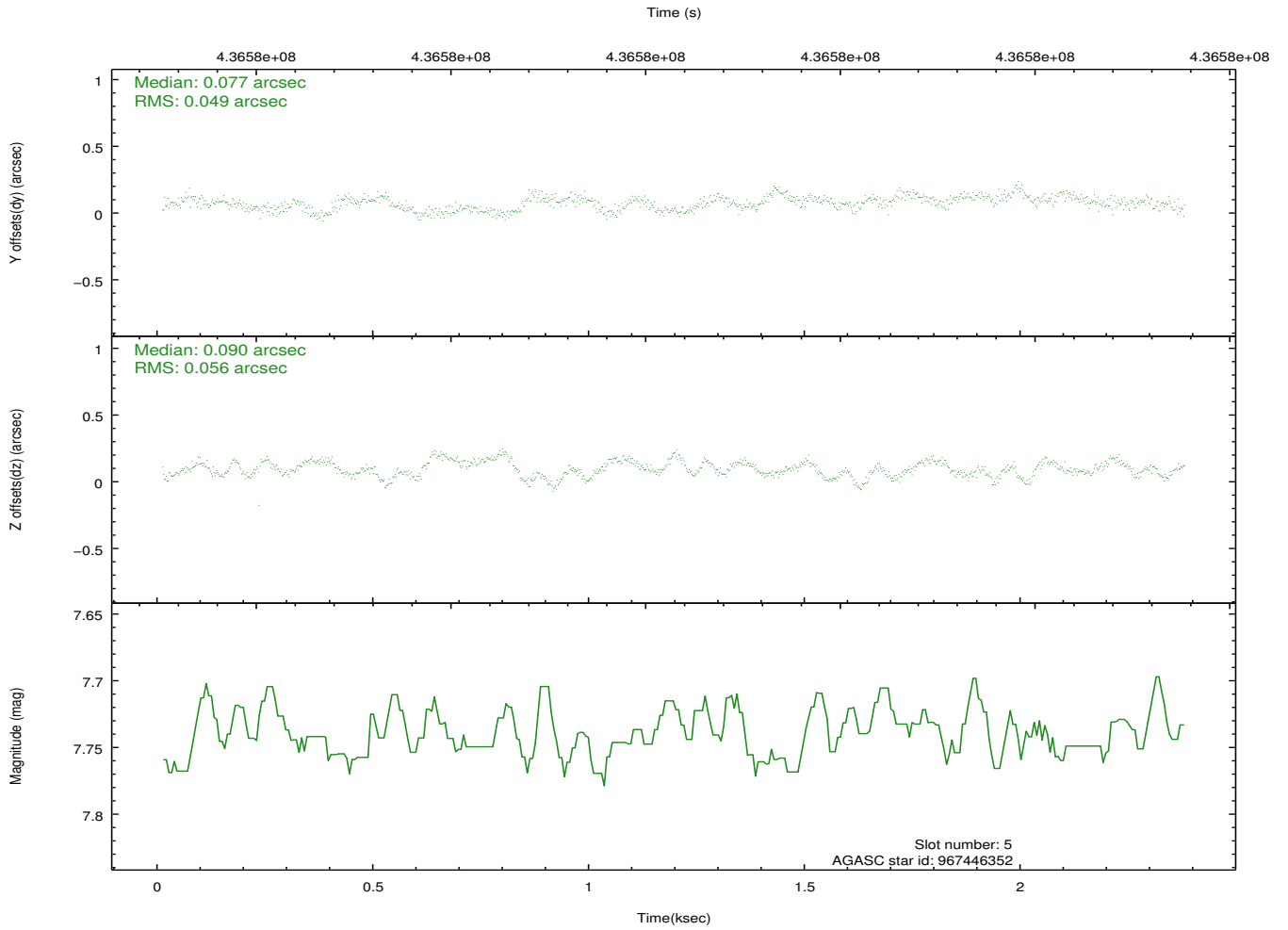
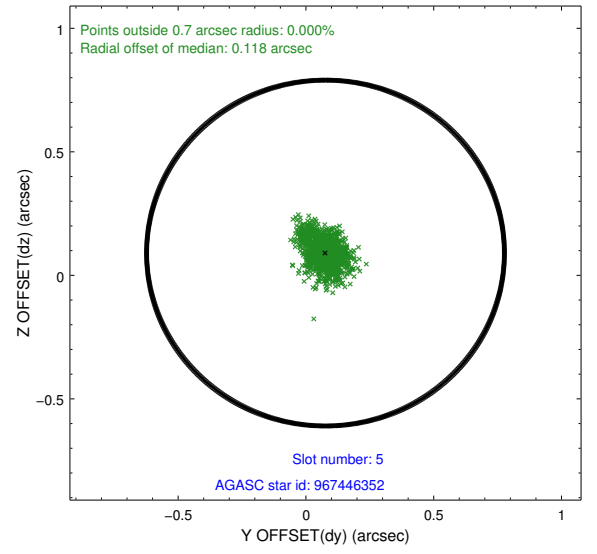
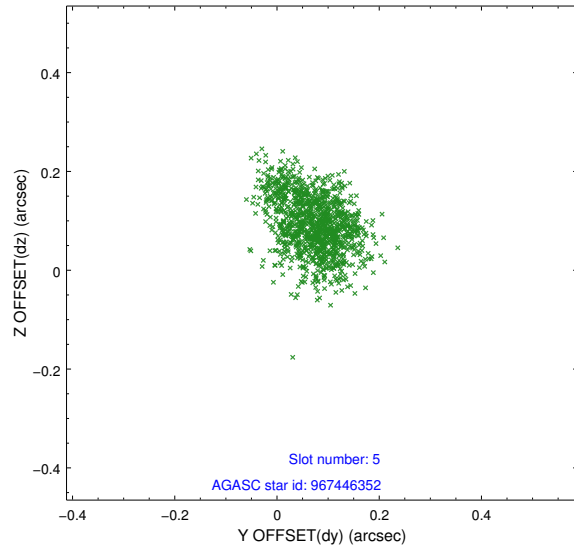
2.4.1 Slot 3



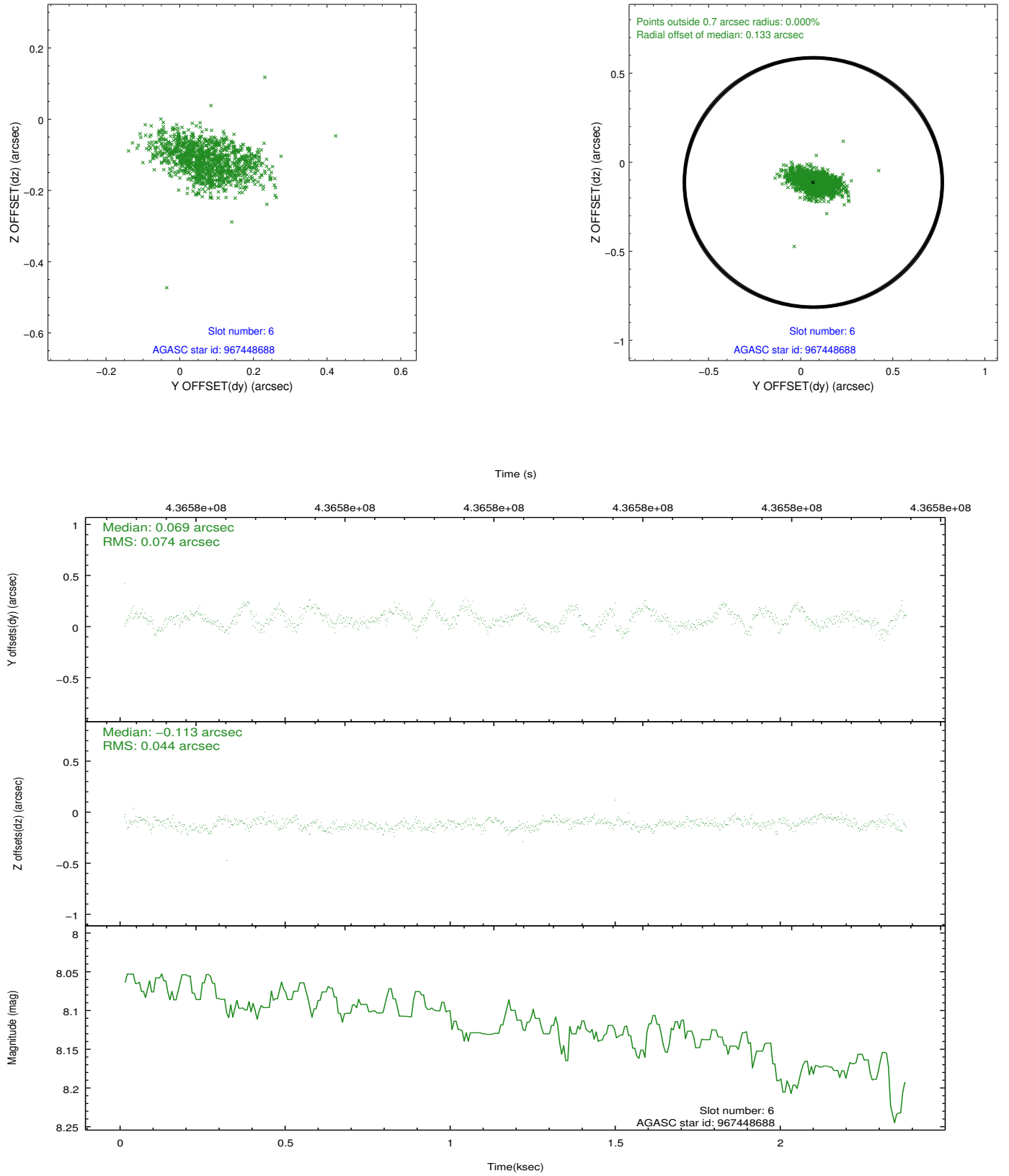
2.4.2 Slot 4



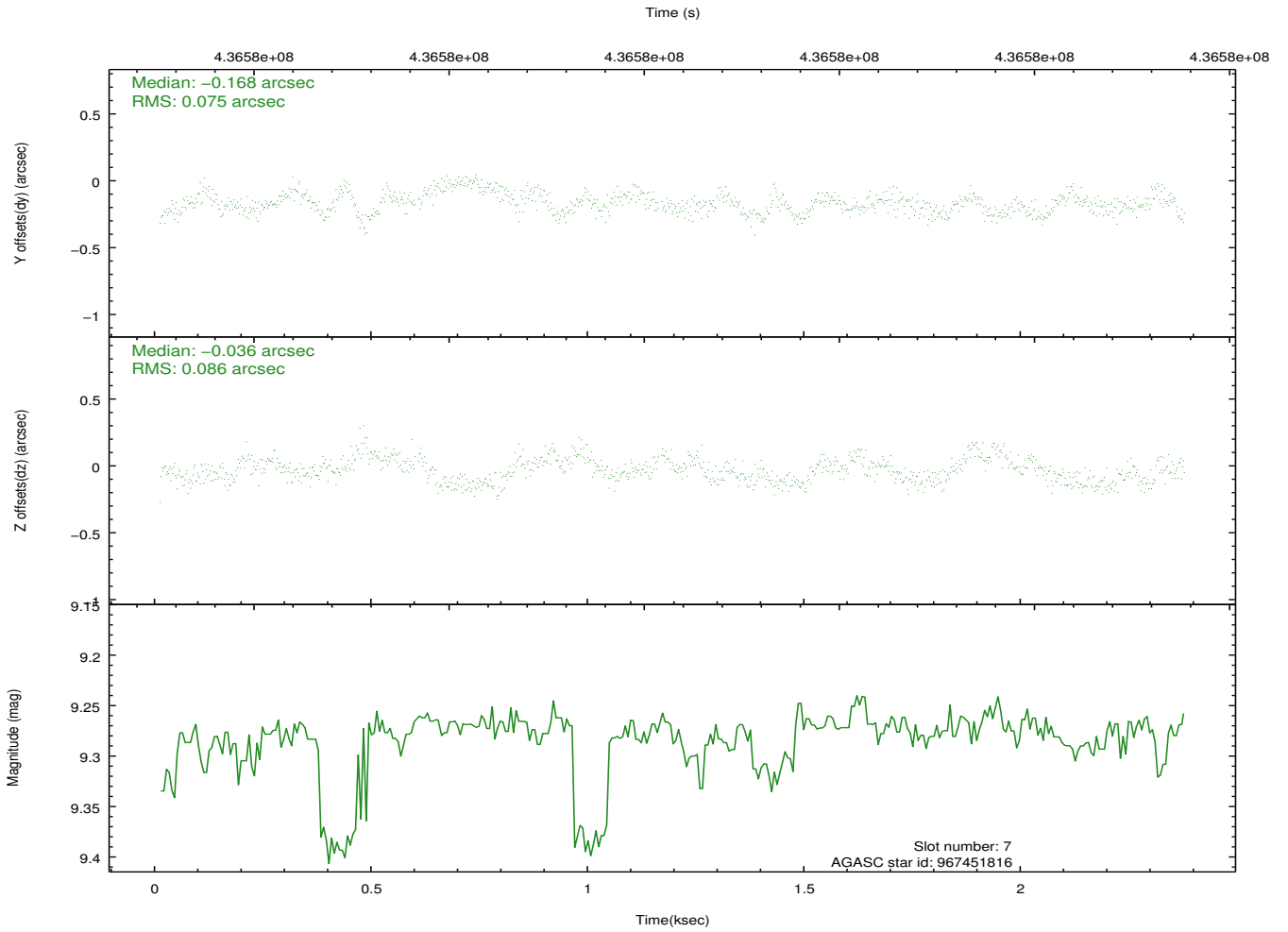
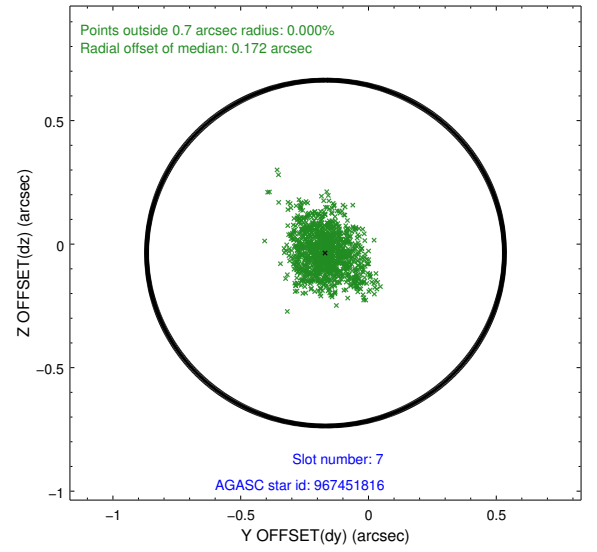
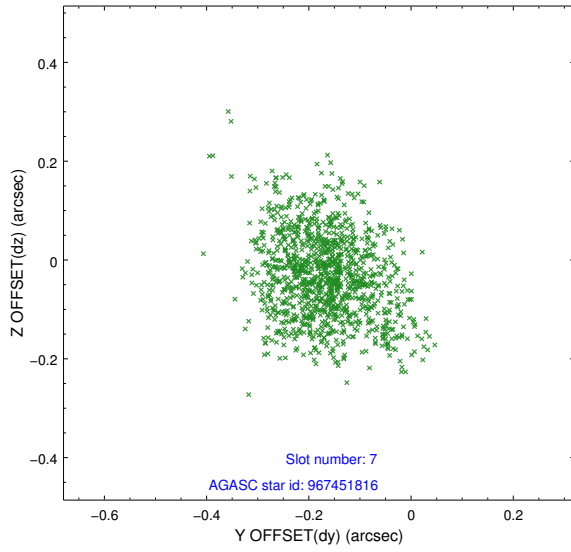
2.4.3 Slot 5



2.4.4 Slot 6

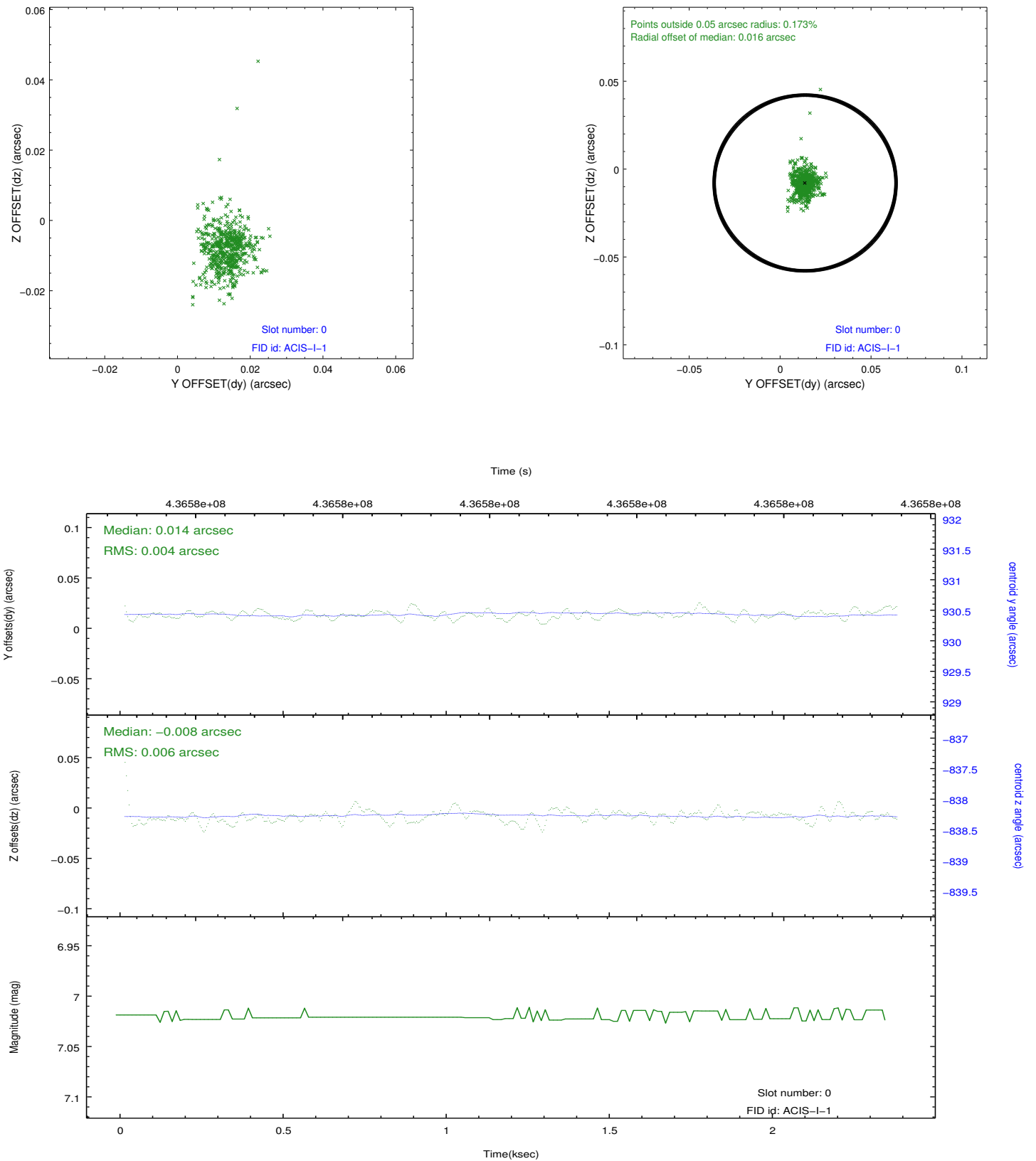


2.4.5 Slot 7

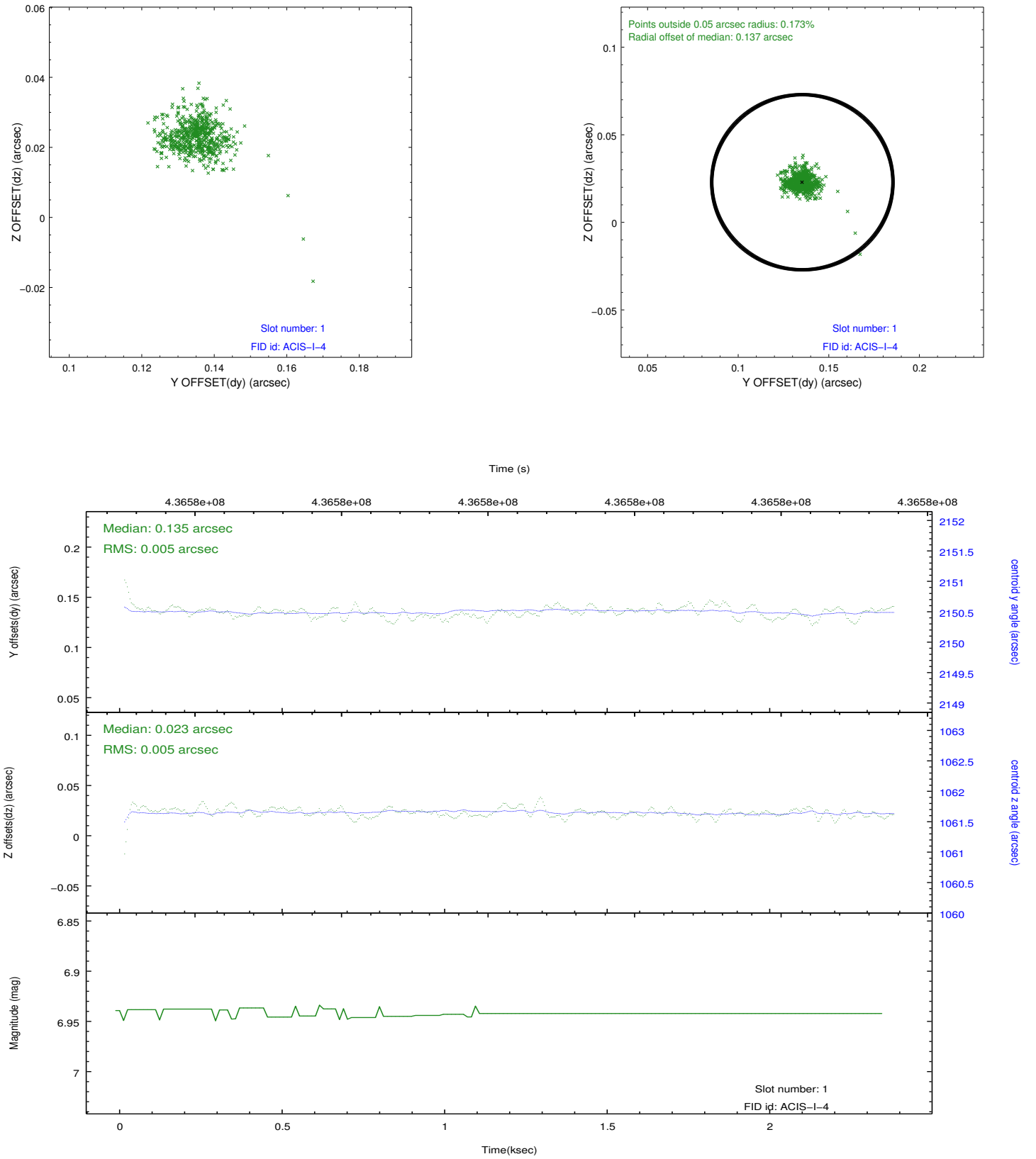


2.5 FID Slots

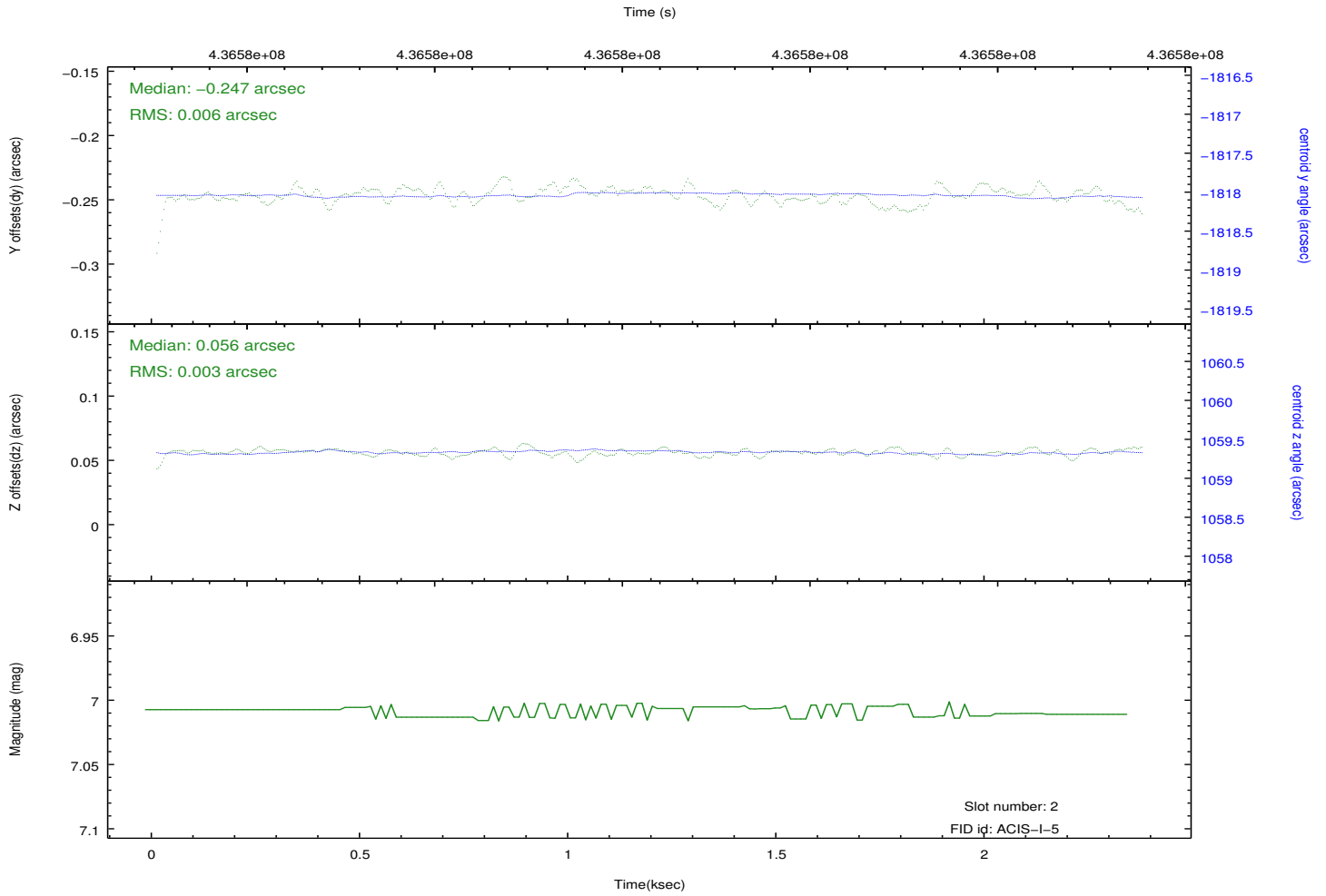
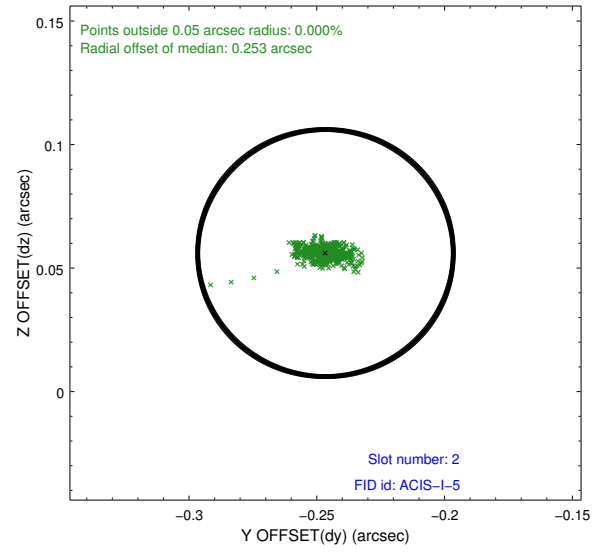
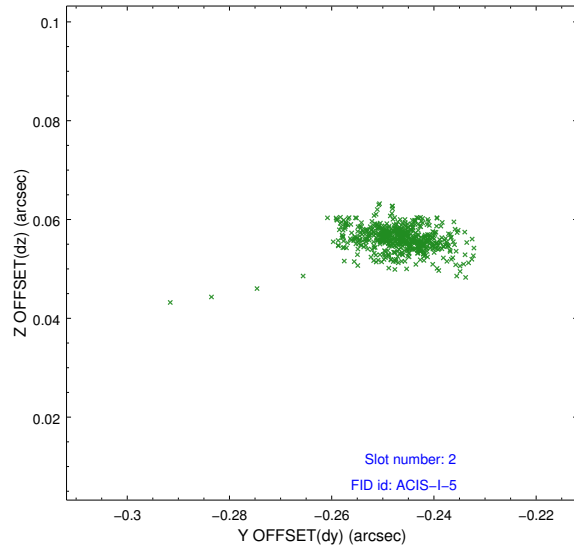
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9734089804292

A.2 Comments

Joint Proposal: NOAO