

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10011 - L2 Version 2
Chandra X-Ray Center

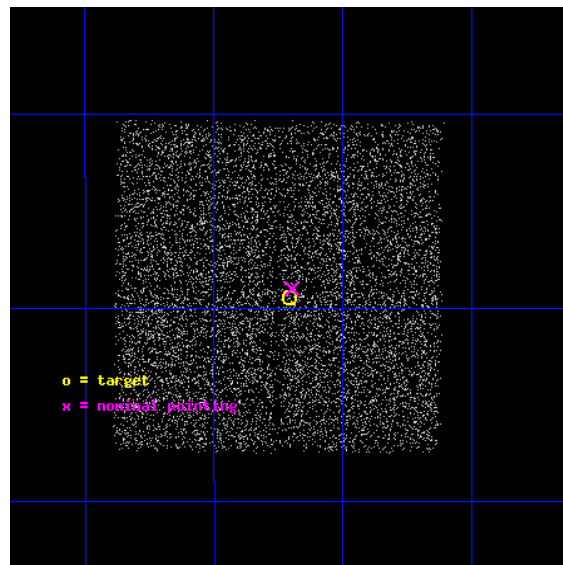
L2 Processing Date : Jun 1 2012

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

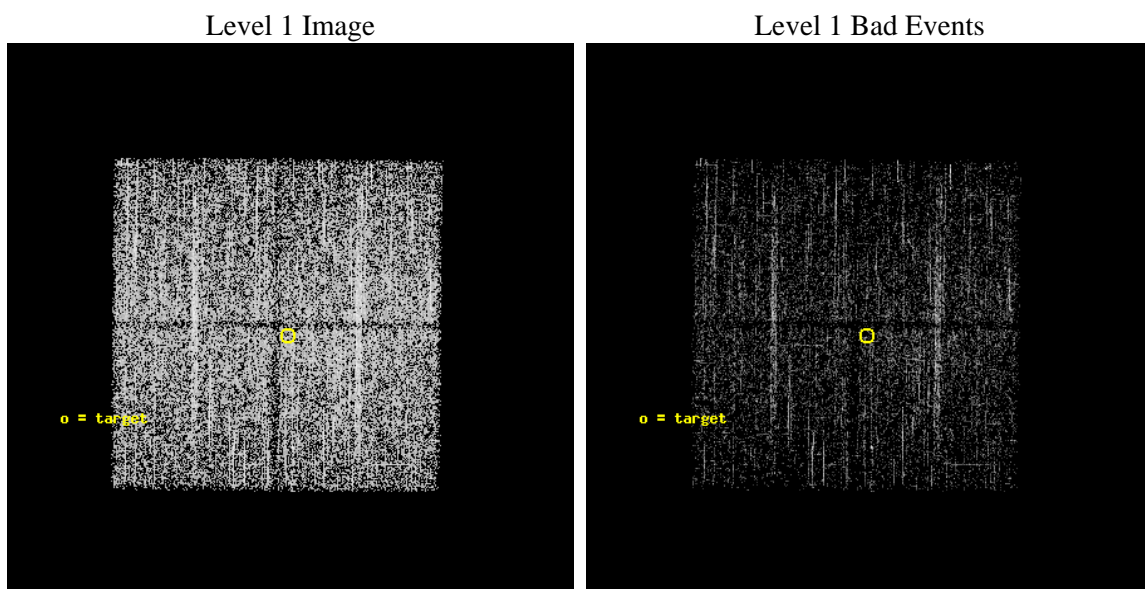
seq_num	400975	Sequence number
obs_id	10011	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS6-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.92725	Observer's specified target RA [deg]
dec_targ	-25.9915	Observer's specified target Dec [deg]
ra_nom	265.92455253171	Nominal RA [deg]
dec_nom	-25.98363186651	Nominal Dec [deg]
roll_nom	90.528123716726	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.4000167847	Sum of GTIs [s]
livetime	2153.8853539059	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2179.2590563893	Sum of GTIs [s]
ontime2	2176.1181160808	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
l2events	10593	Number of level 2 events



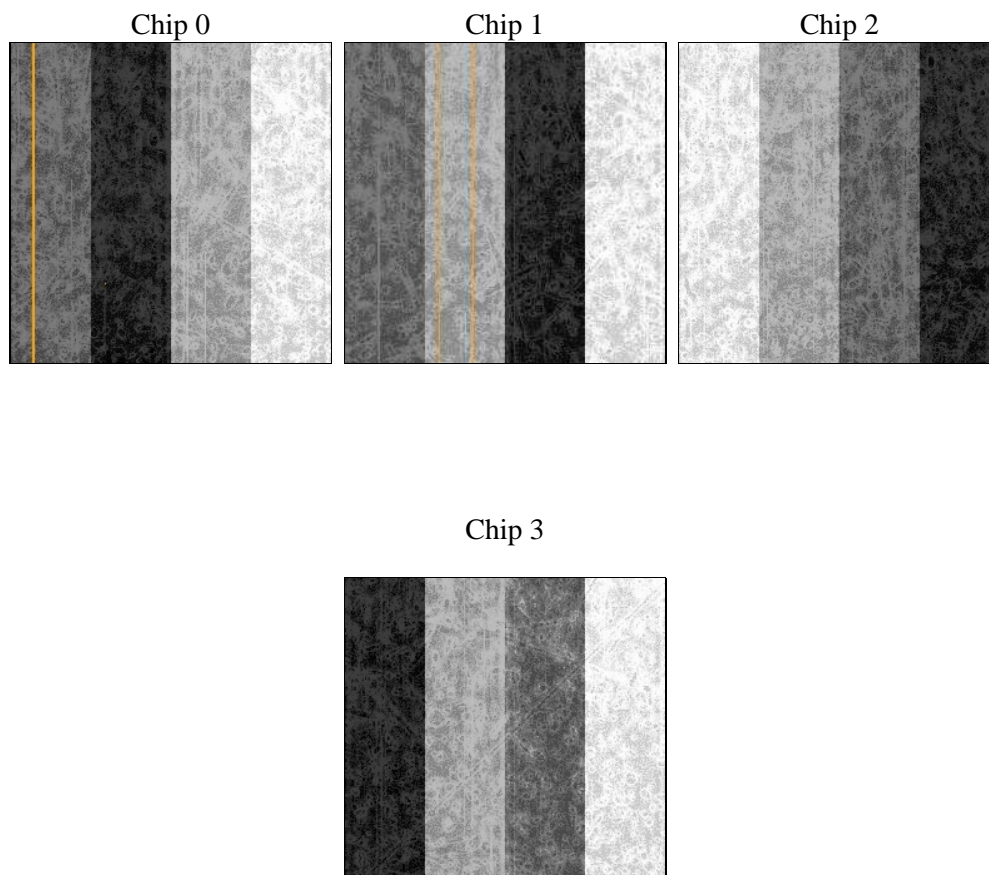
2 OBI

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	2182.4000167847	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-06-01T08:02:39	Date and time of file creation	ontime1	2179.2590563893	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2176.1181160808	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			l1events	101920	Number of level 1 events

2.1.4 Events

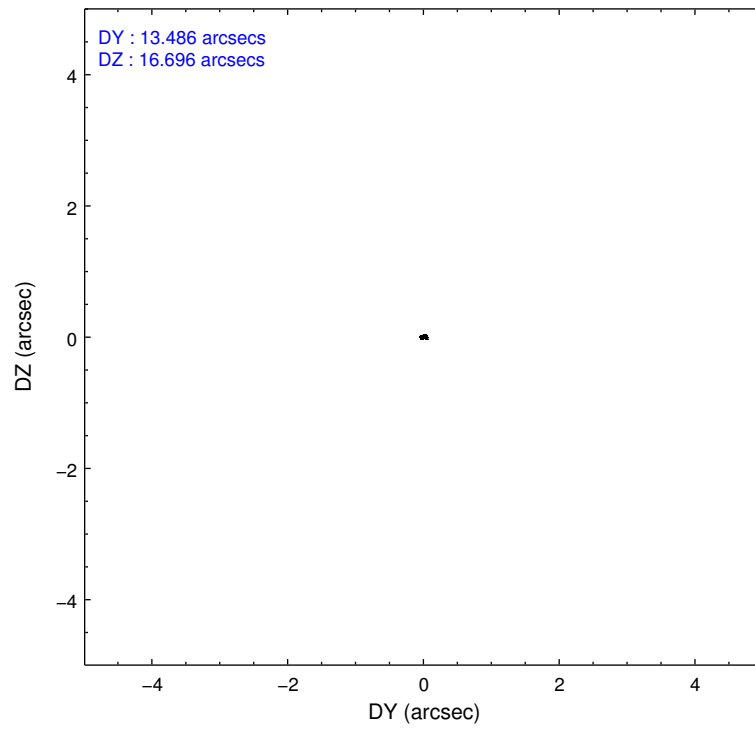
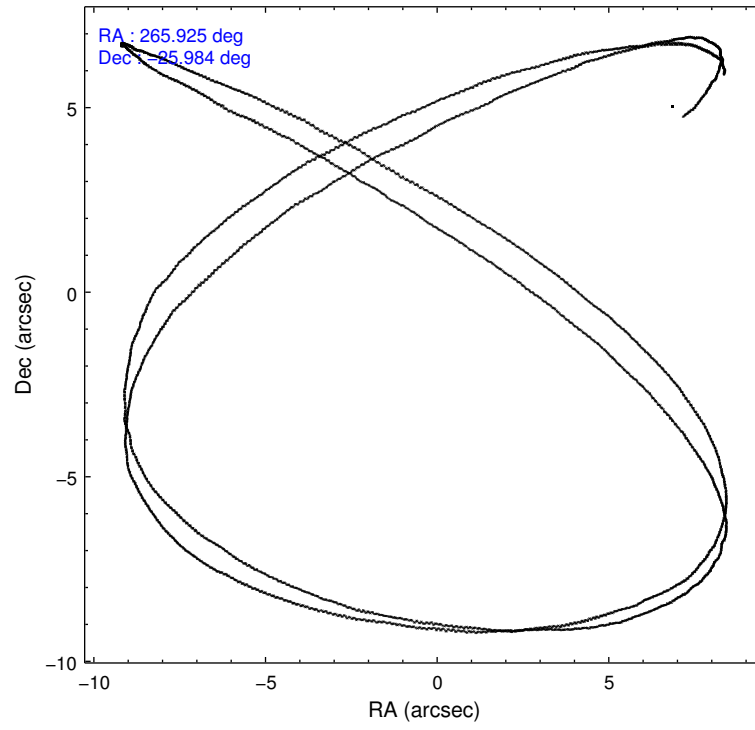
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	25733	23985	26145	26057
rejected events	22659	20747	23161	23137
rejected %	88%	86%	88%	88%

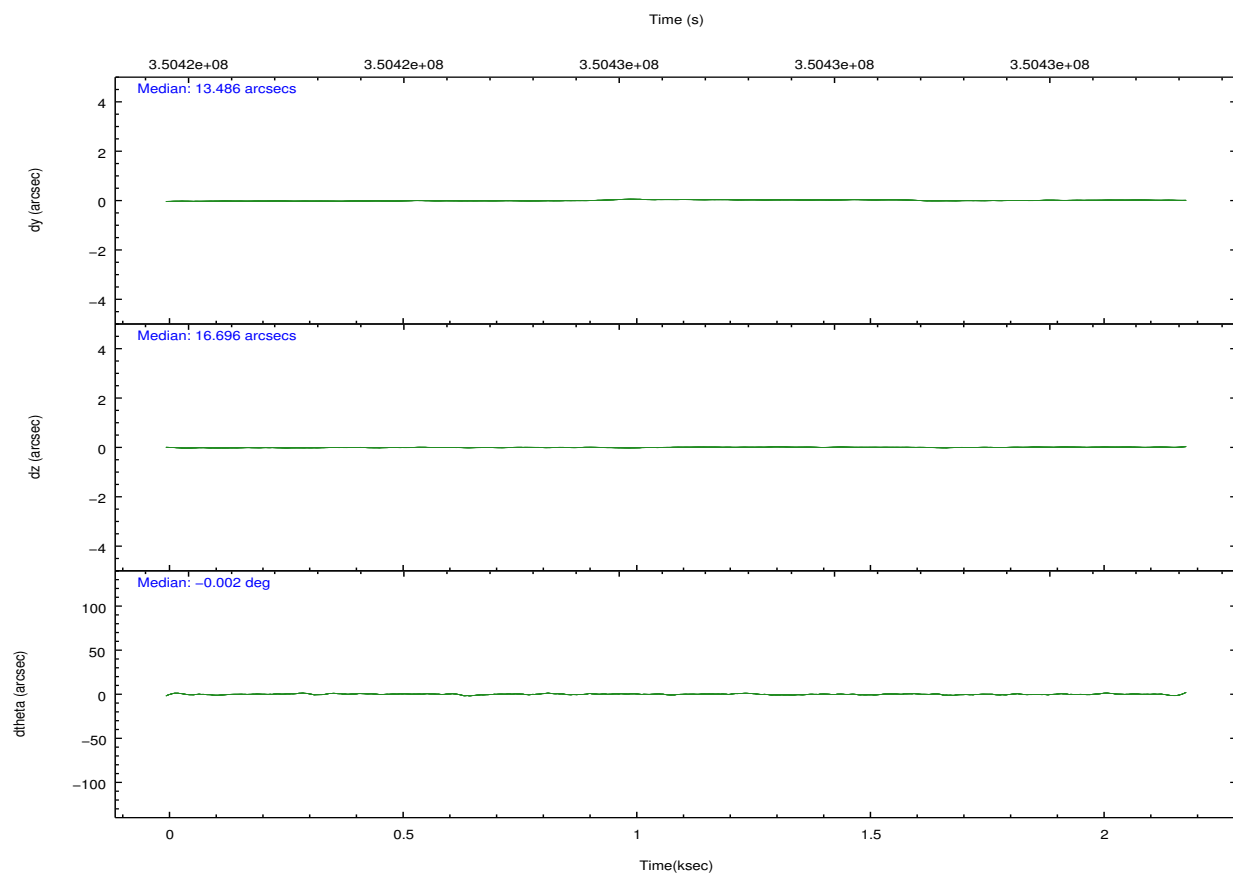
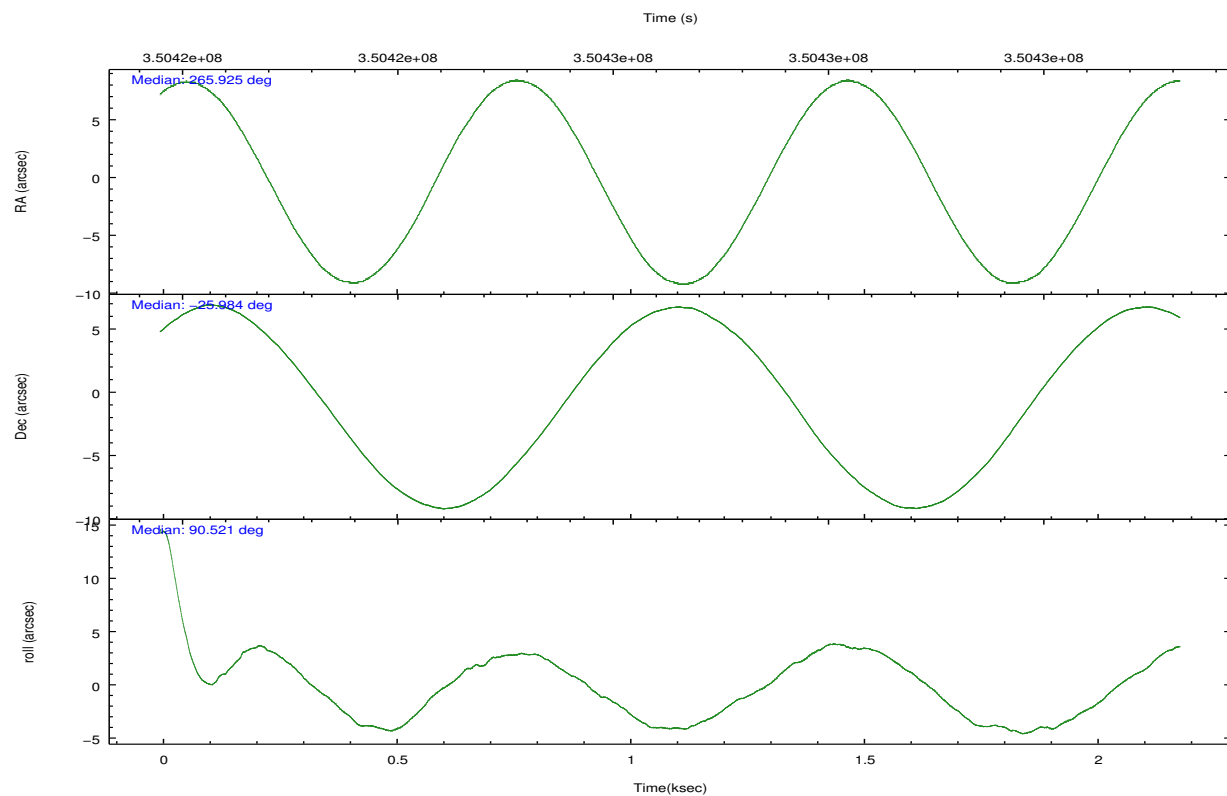
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1499	1527	1602	1509
	5%	6%	6%	5%
grade 1 events	13	22	19	15
	0%	0%	0%	0%
grade 2 events	811	844	738	691
	3%	3%	2%	2%
grade 3 events	295	340	284	285
	1%	1%	1%	1%
grade 4 events	319	308	293	308
	1%	1%	1%	1%
grade 5 events	1106	1142	1155	1198
	4%	4%	4%	4%
grade 6 events	606	684	505	569
	2%	2%	1%	2%
grade 7 events	21084	19118	21549	21482
	81%	79%	82%	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	265.940149	265.9245525317083	Subarray requested	NONE	NONE
[deg] Pointing Dec	-26.007429	-25.98363186651042	Alternating exposures requested	N	N
[deg] Pointing Roll	90.326278	90.52812371672613	[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)	350424718.184000	350424342.79703			
Observation start date	2009-02-07T20:10:52	2009-02-07T20:05:42			
[s] Observation end time (MET)	350426718.184000	350426853.02215			
Observation end date	2009-02-07T20:44:12	2009-02-07T20:47:33			
Read mode	TIMED	TIMED			

2.3 Aspect



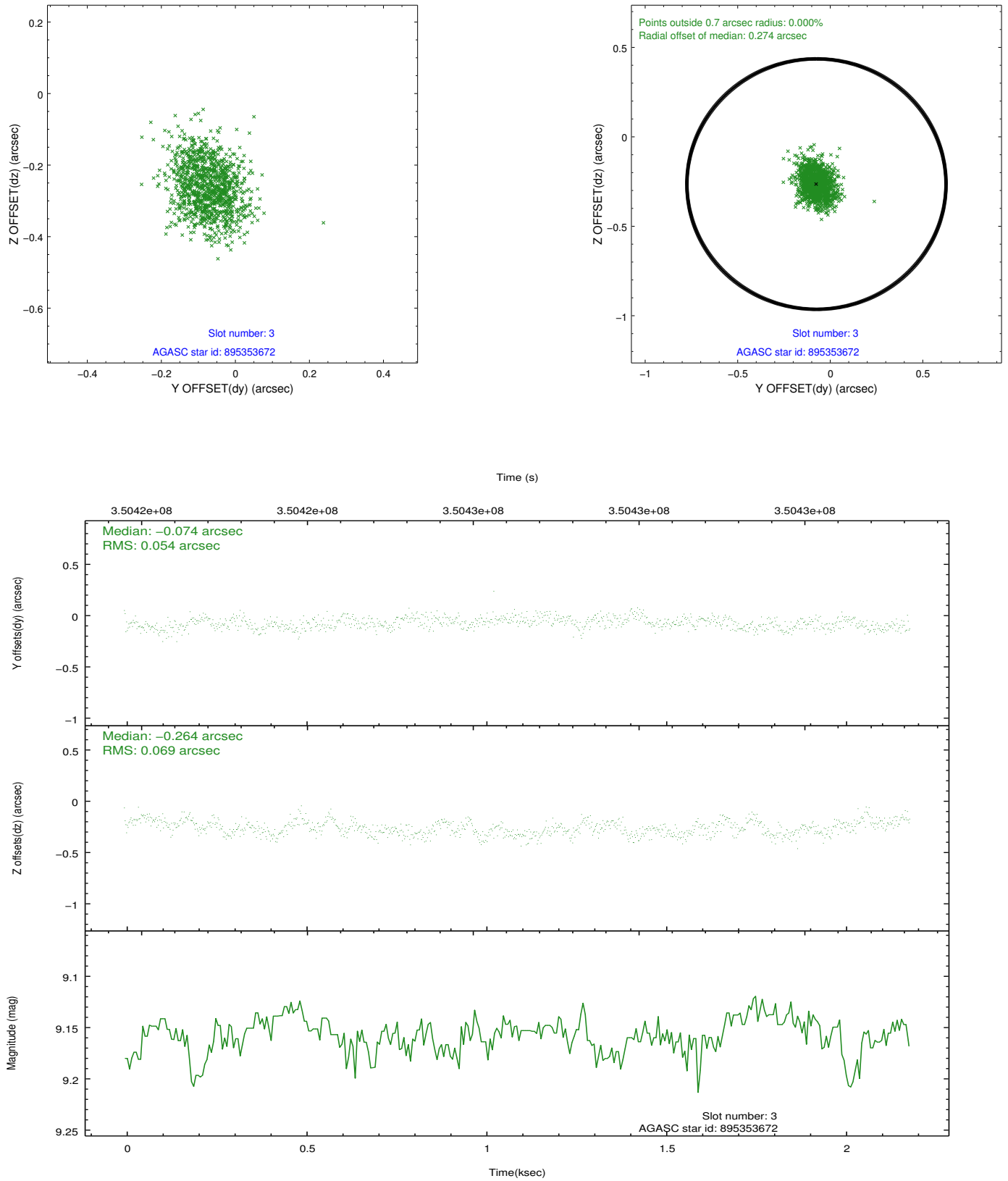


Slot Statistics

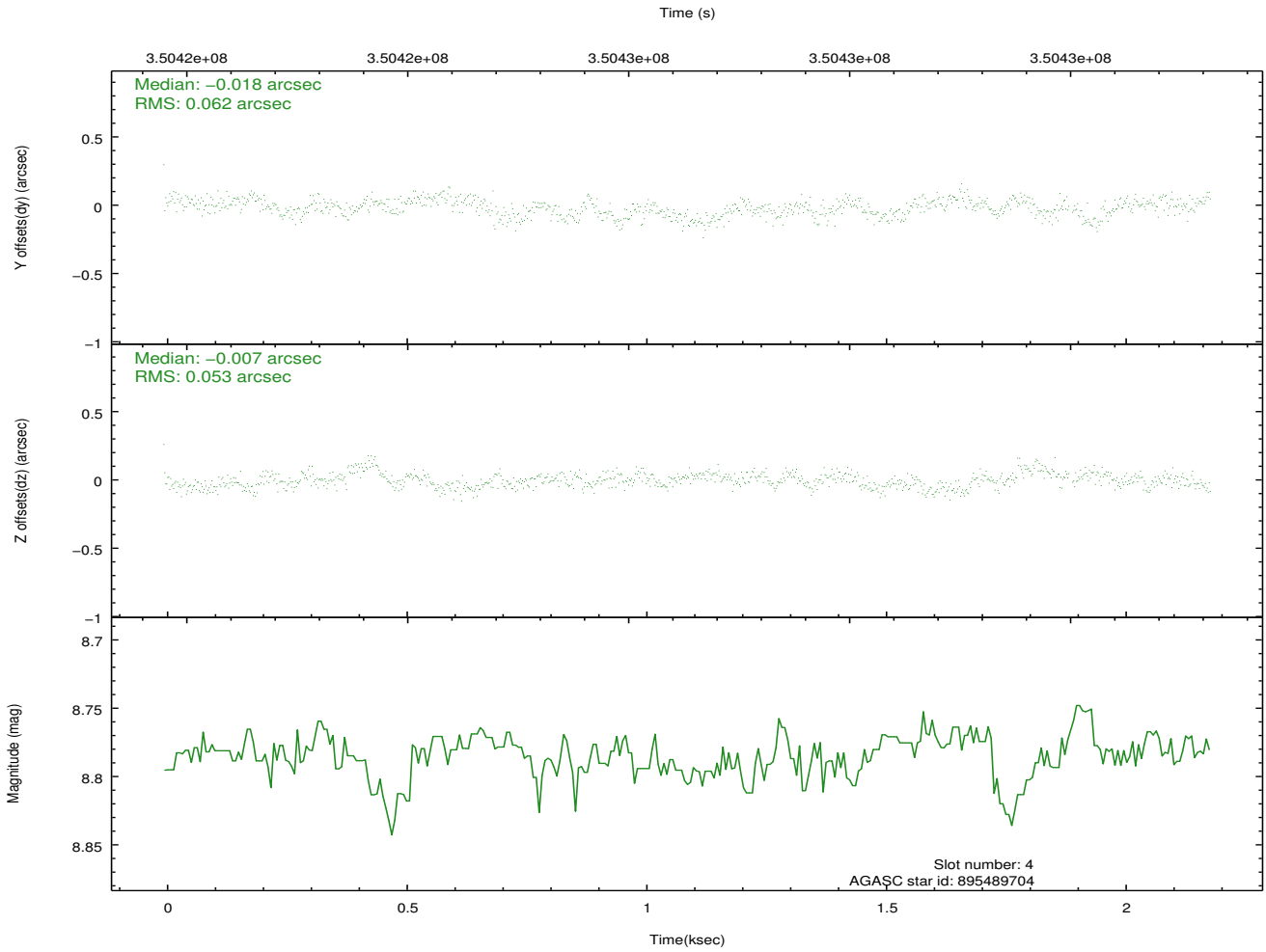
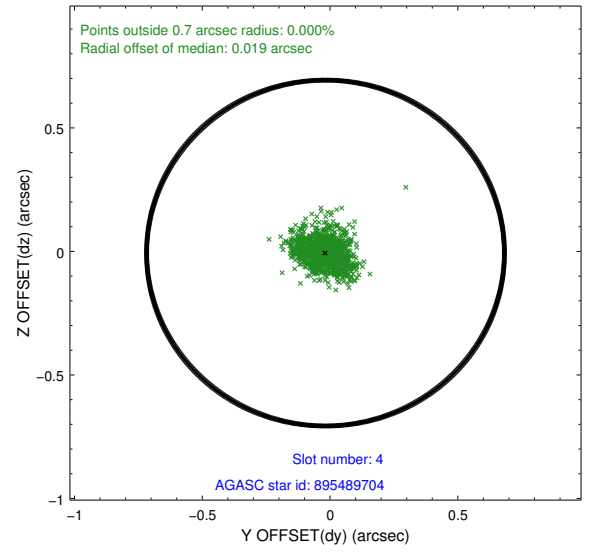
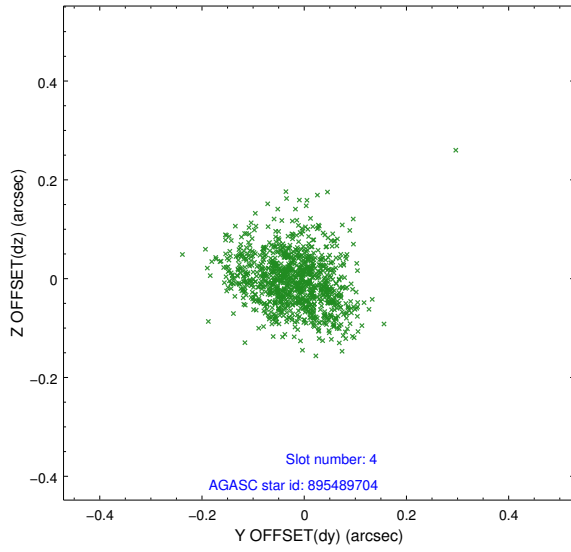
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	533	-0.014	-0.072	0.008	0.013	0.000000	0.000000	925.99	-840.41
1	FID	ACIS-I-4	6.95	533	0.137	0.080	0.007	0.010	0.000000	0.000000	2147.85	1058.04
2	FID	ACIS-I-5	7.01	533	-0.222	0.062	0.006	0.012	0.000000	0.000000	-1818.38	1059.28
3	GUIDE	895353672	9.16	1066	-0.074	-0.264	0.092	0.148	265.503544	-25.854566	555.20	1411.60
4	GUIDE	895489704	8.78	1062	-0.018	-0.007	0.087	0.139	266.328076	-25.361339	2316.57	-1273.36
5	GUIDE	895489896	7.58	1066	0.045	0.128	0.052	0.081	266.605795	-26.200300	-709.89	-2146.85
6	GUIDE	896015112	9.18	1066	0.095	0.143	0.101	0.171	266.684847	-26.286161	-1024.59	-2399.50
7	GUIDE	896015880	8.52	1065	-0.045	-0.006	0.067	0.113	265.986633	-26.306686	-1079.46	-145.87

2.4 Star Slots

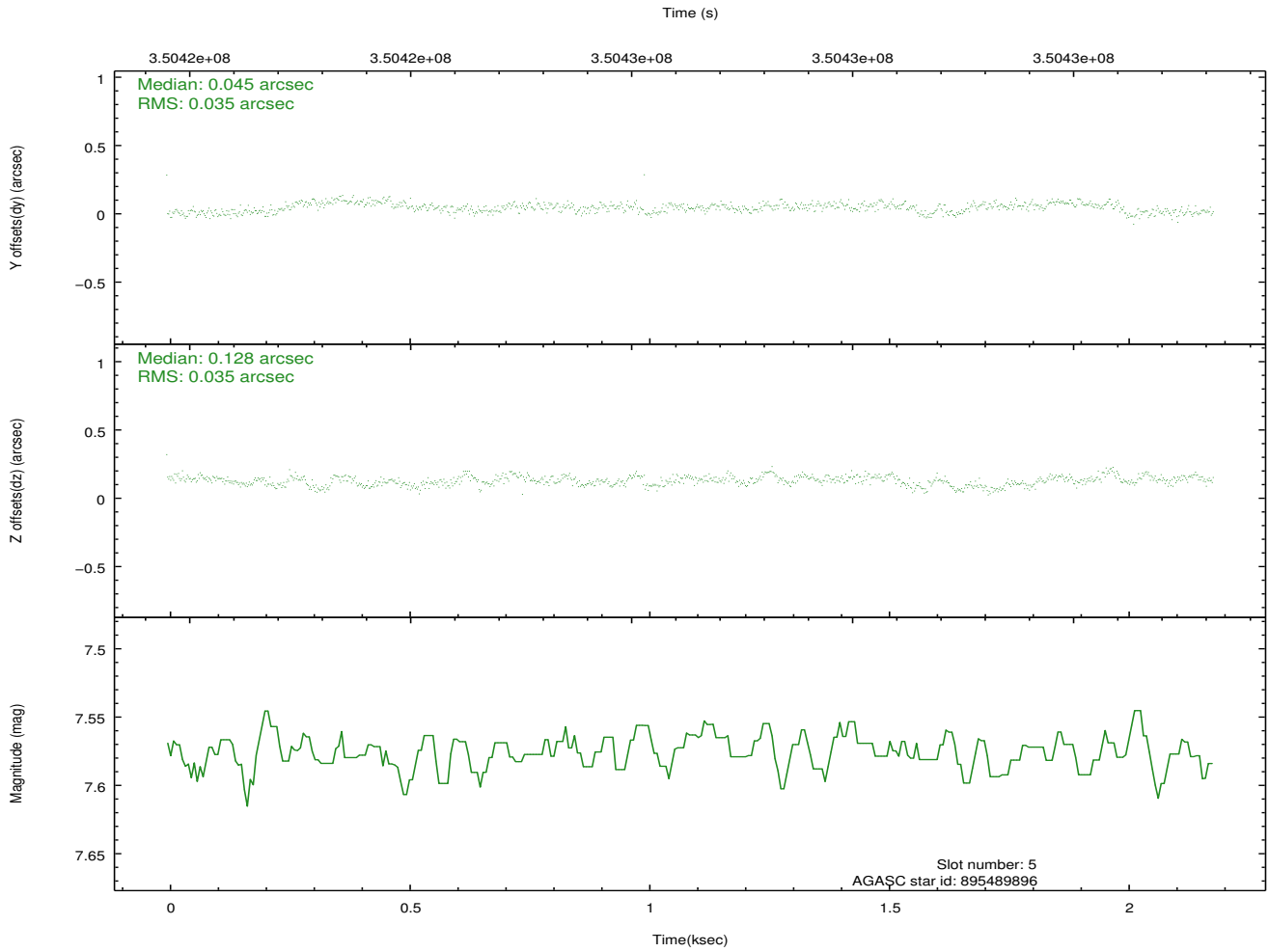
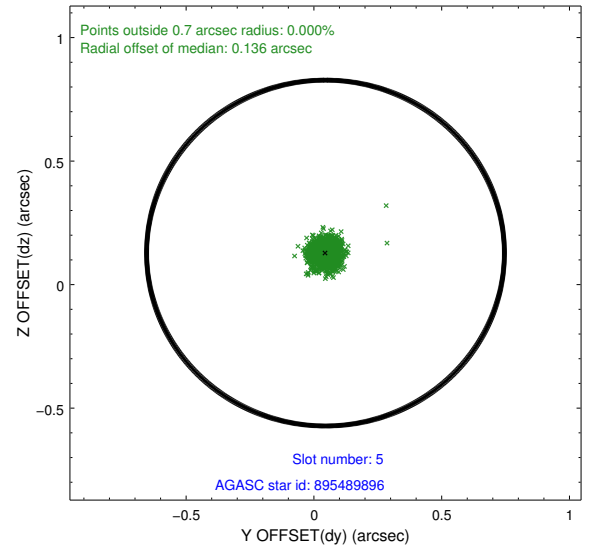
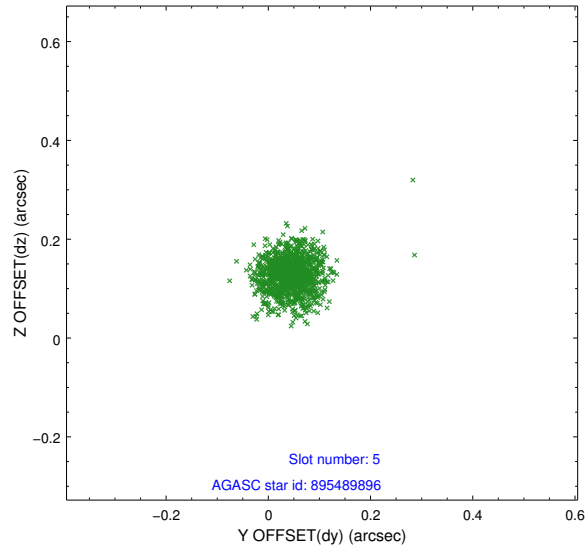
2.4.1 Slot 3



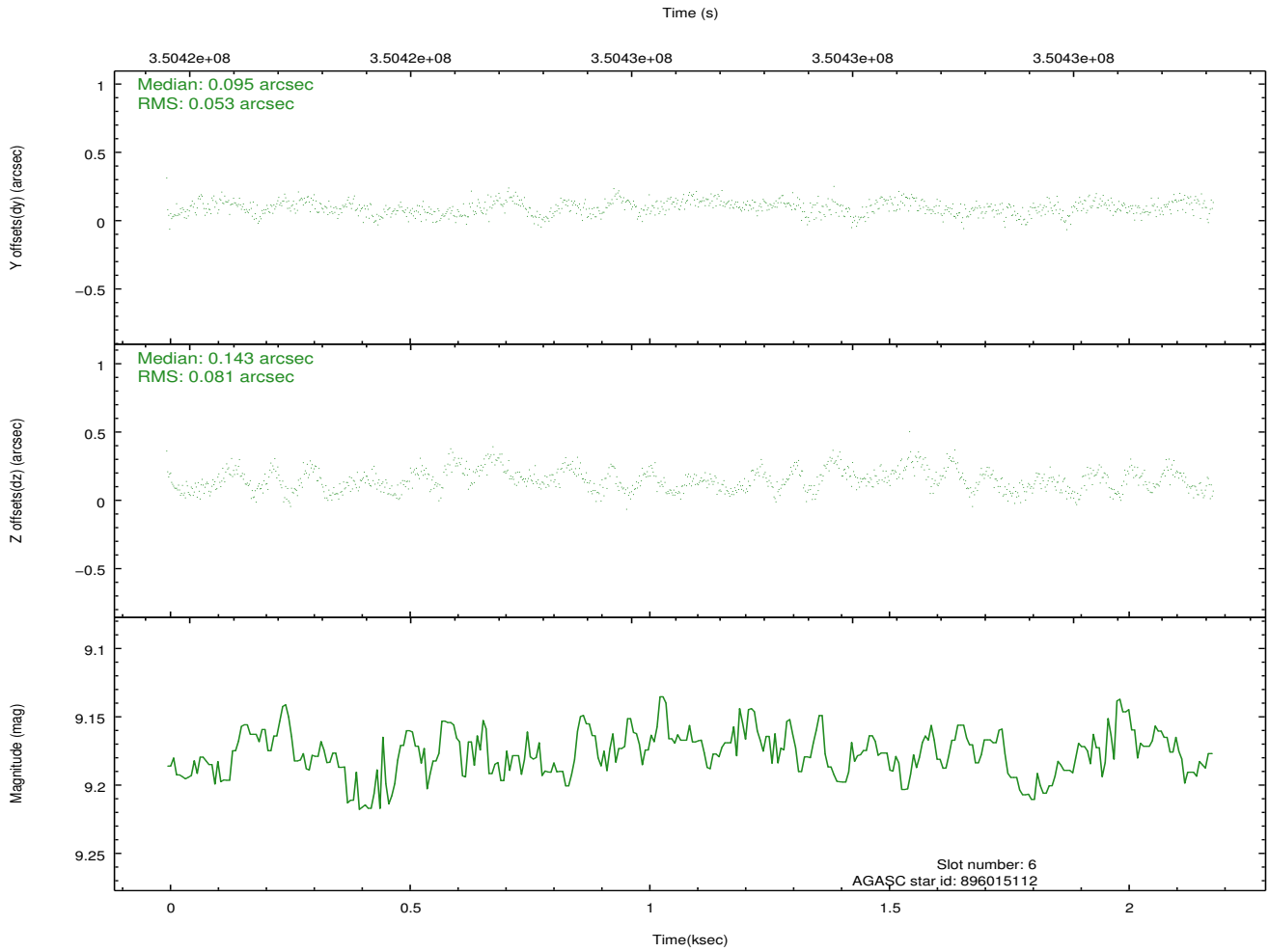
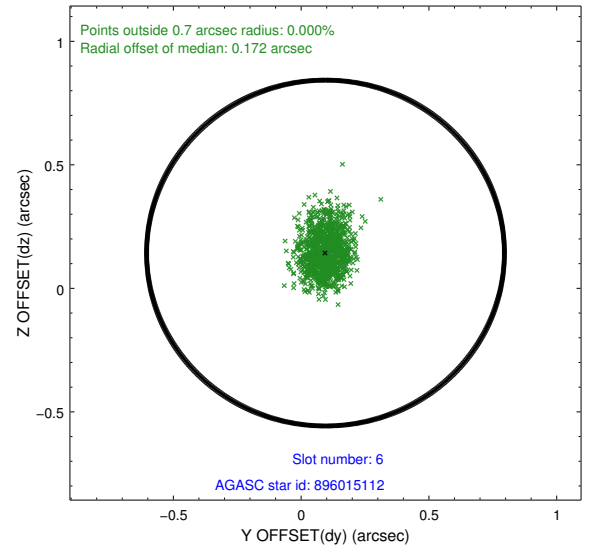
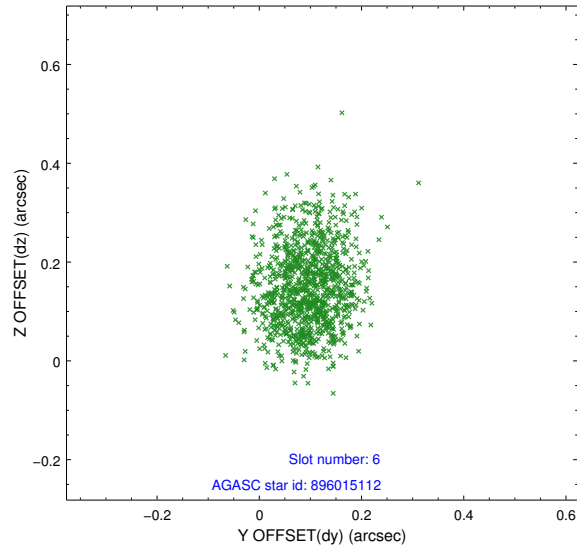
2.4.2 Slot 4



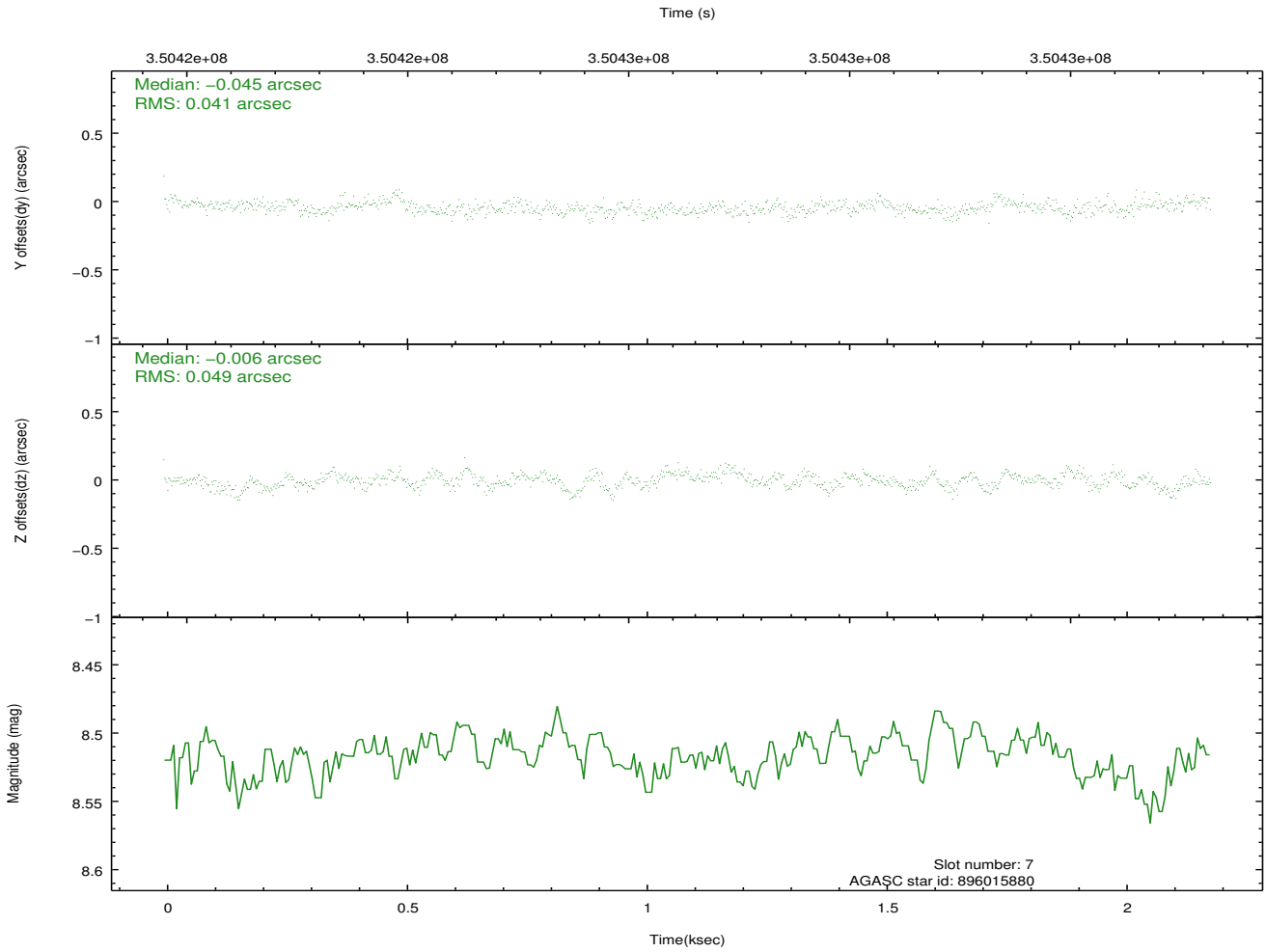
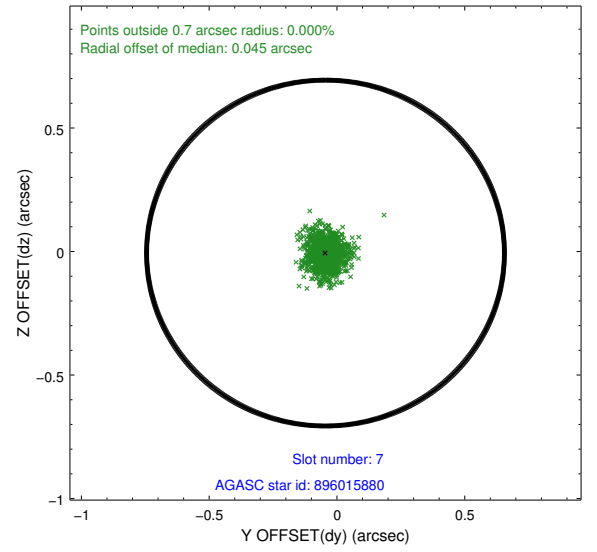
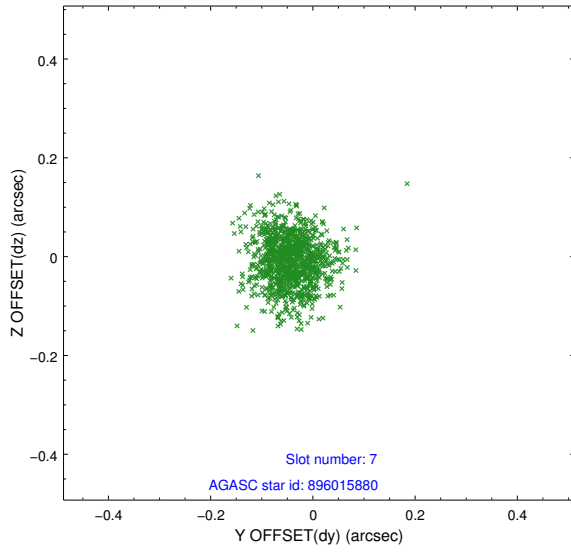
2.4.3 Slot 5



2.4.4 Slot 6

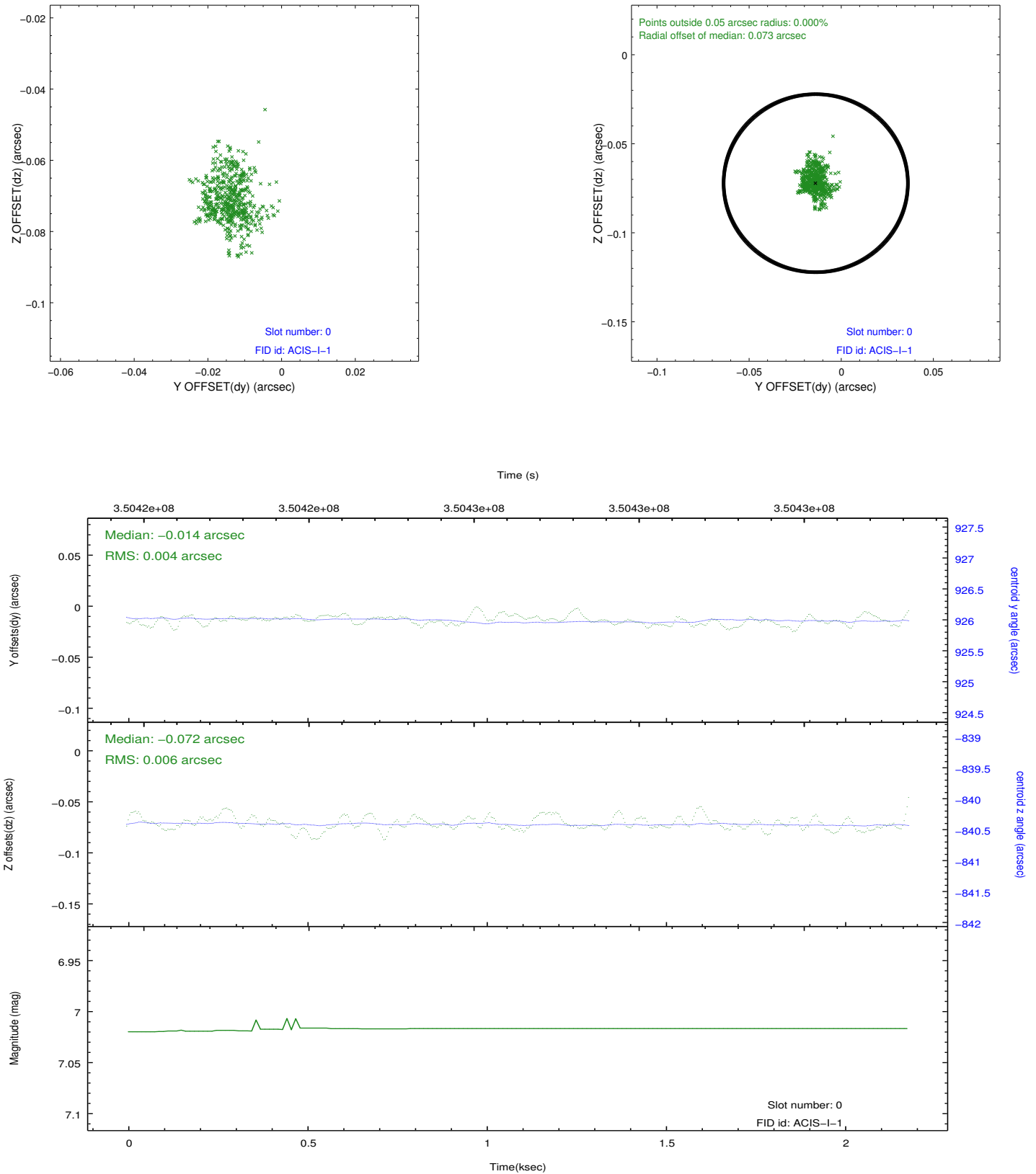


2.4.5 Slot 7

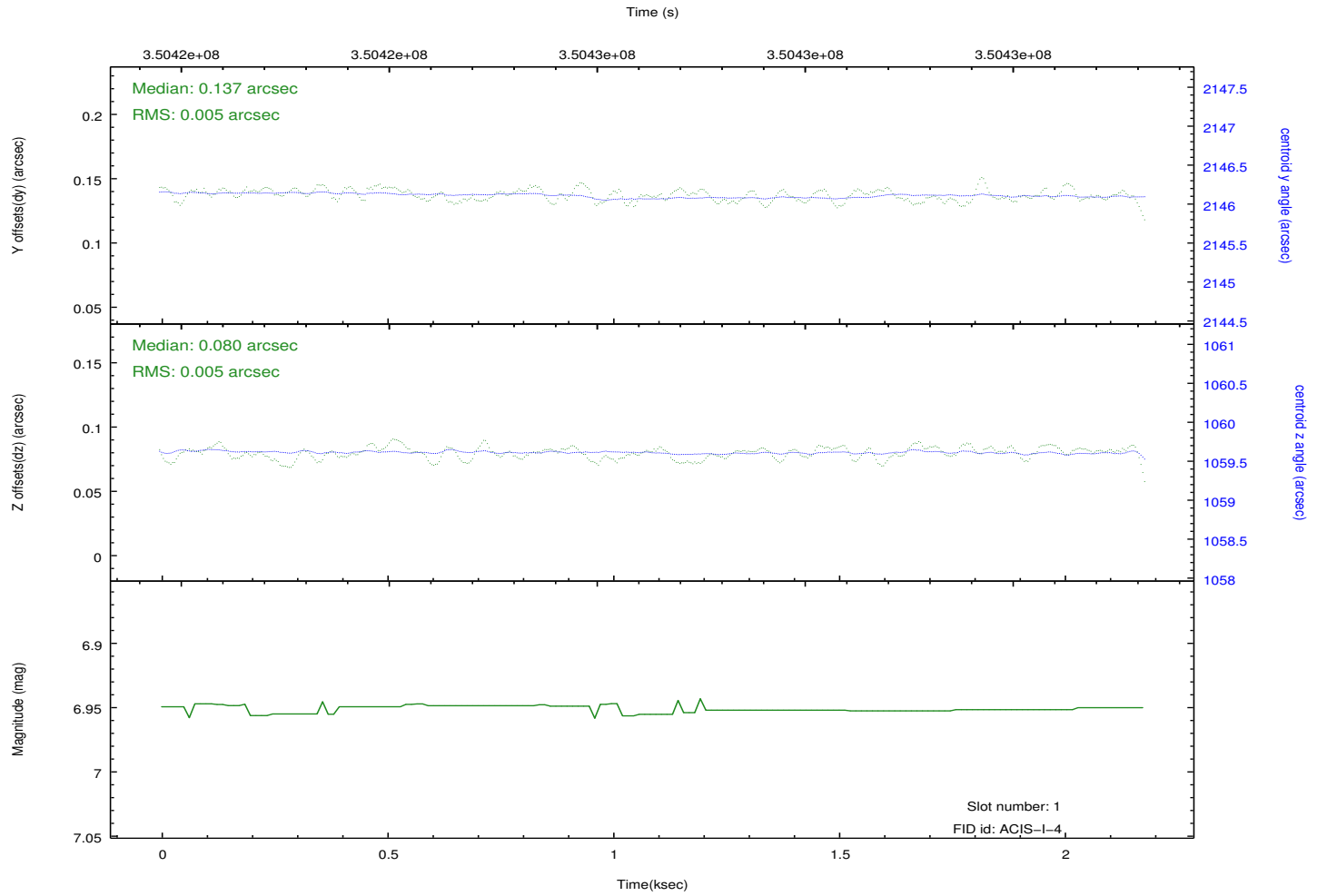
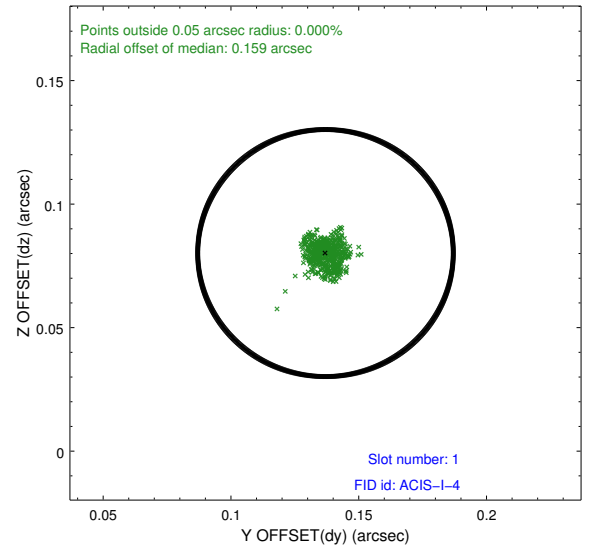
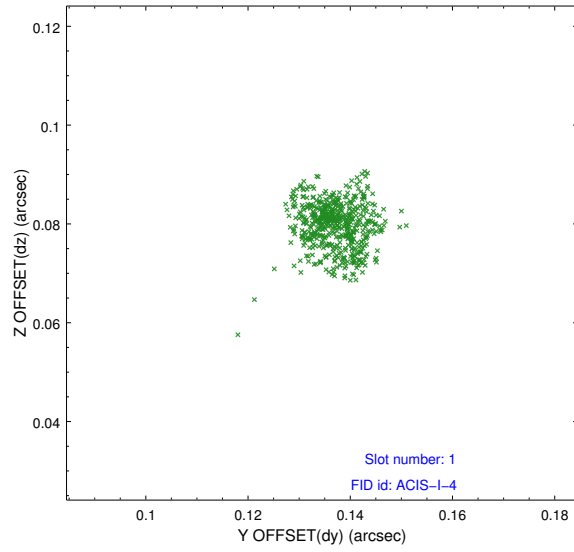


2.5 FID Slots

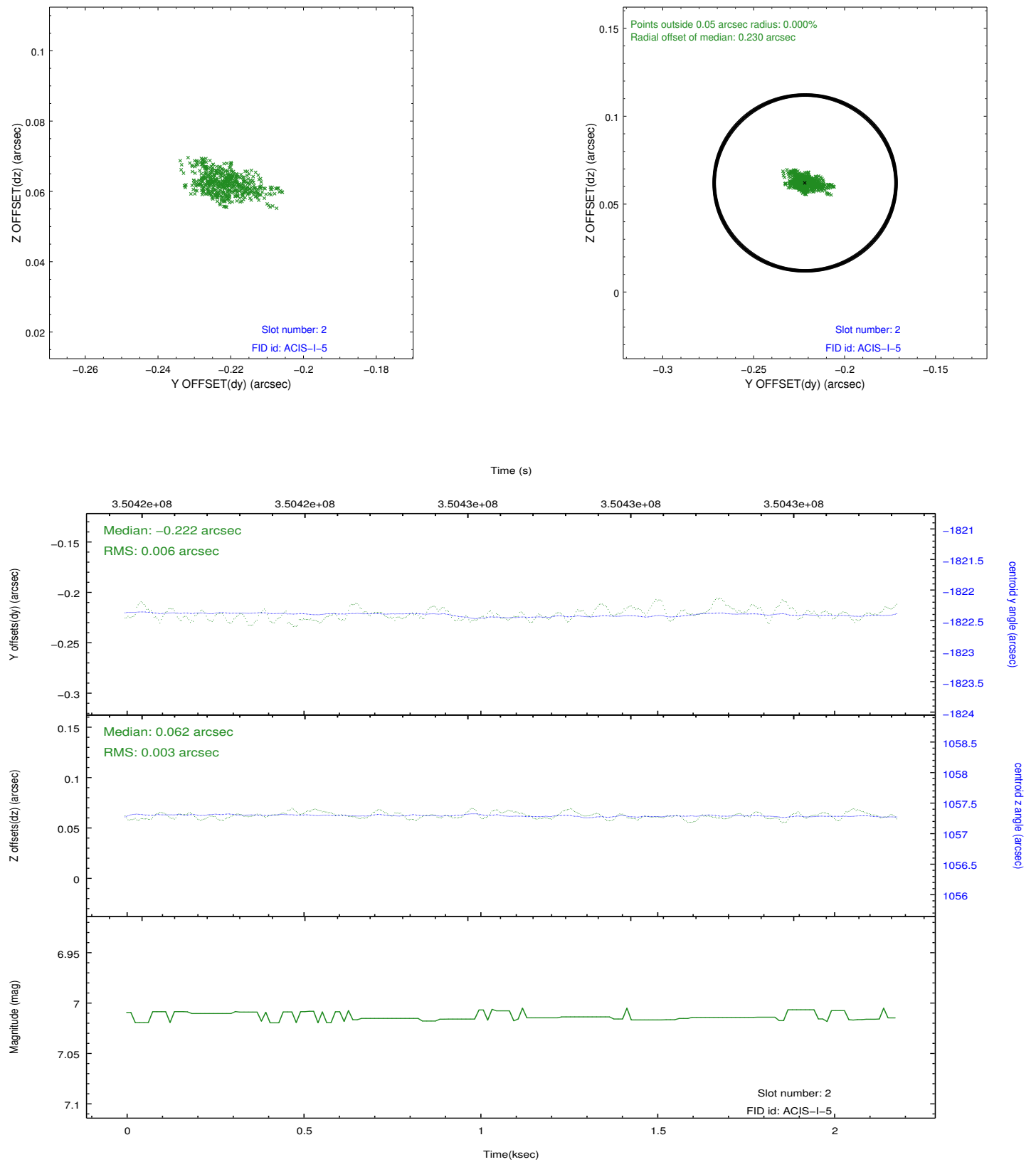
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments

Joint Proposal: NOAO