

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8739 - L2 Version 2
Chandra X-Ray Center

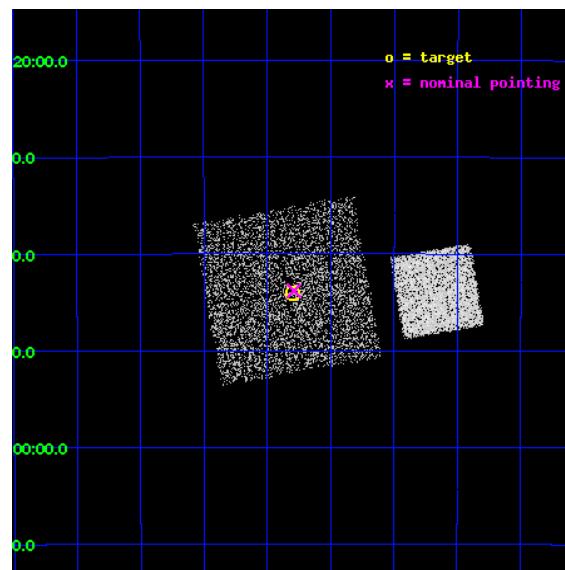
L2 Processing Date : May 14 2012

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1 Front

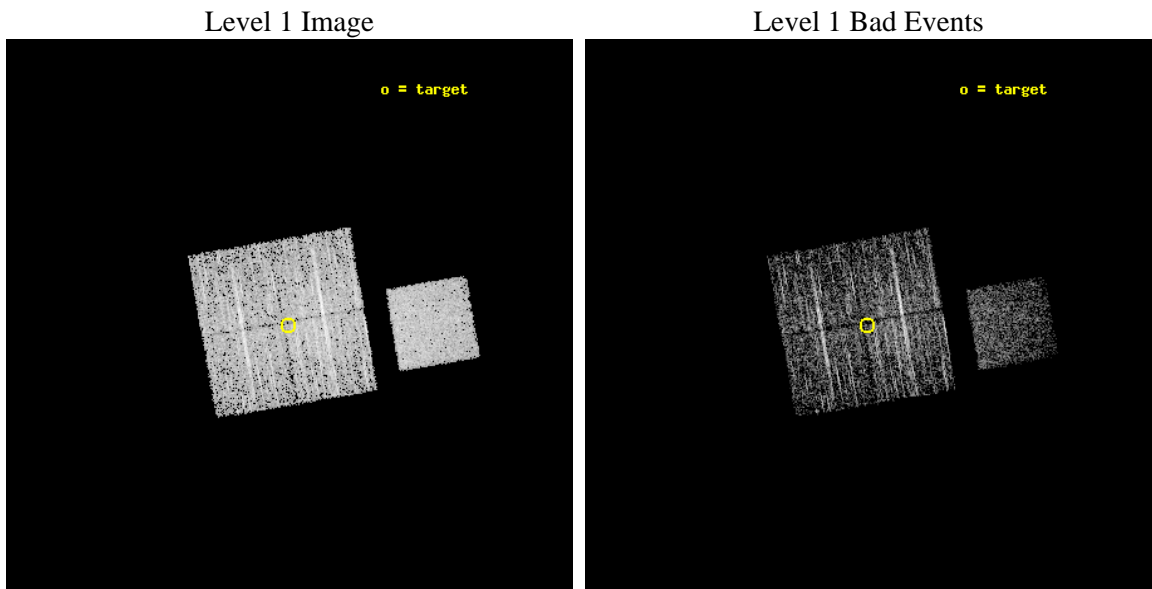
seq_num	400790	Sequence number
obs_id	8739	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	269.199459	Observer's specified target RA [deg]
dec_targ	-27.735232	Observer's specified target Dec [deg]
ra_nom	269.197532487	Nominal RA [deg]
dec_nom	-27.730310170469	Nominal Dec [deg]
roll_nom	80.207801873448	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	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	15553	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	2012-05-14T23:22:11	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.4000167847	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	103804	Number of level 1 events

2.1.4 Events

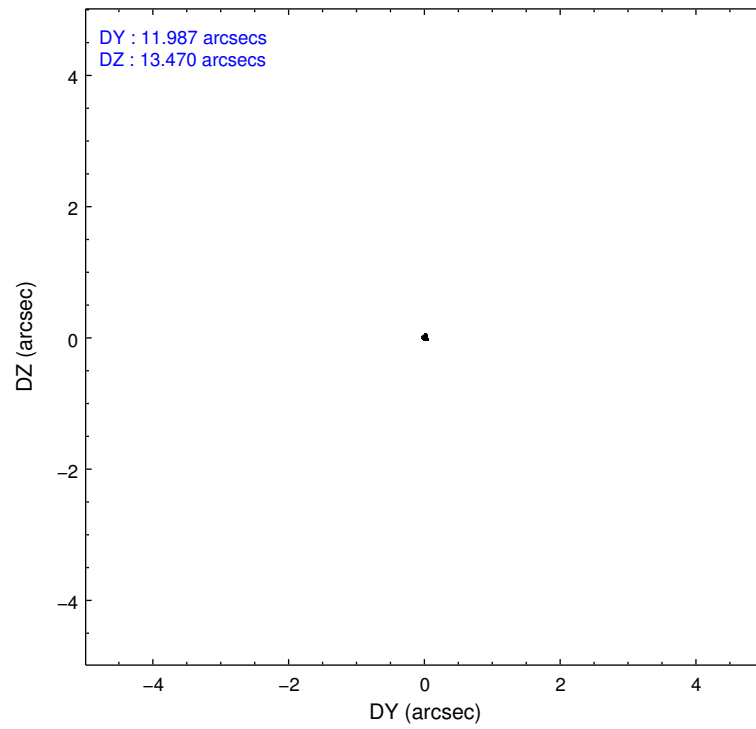
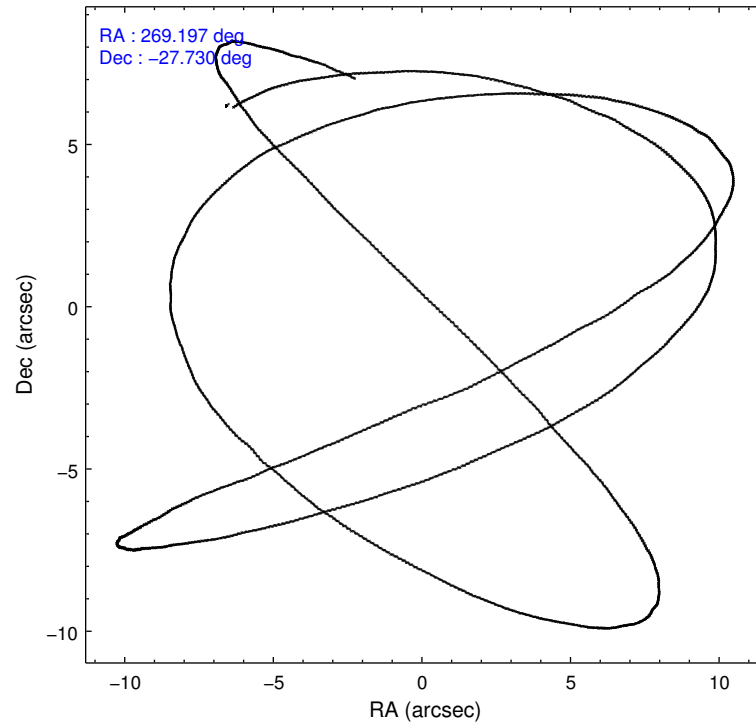
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18956	18262	21347	22268	22971
rejected events	17043	16061	19491	20365	13729
rejected %	89%	87%	91%	91%	59%

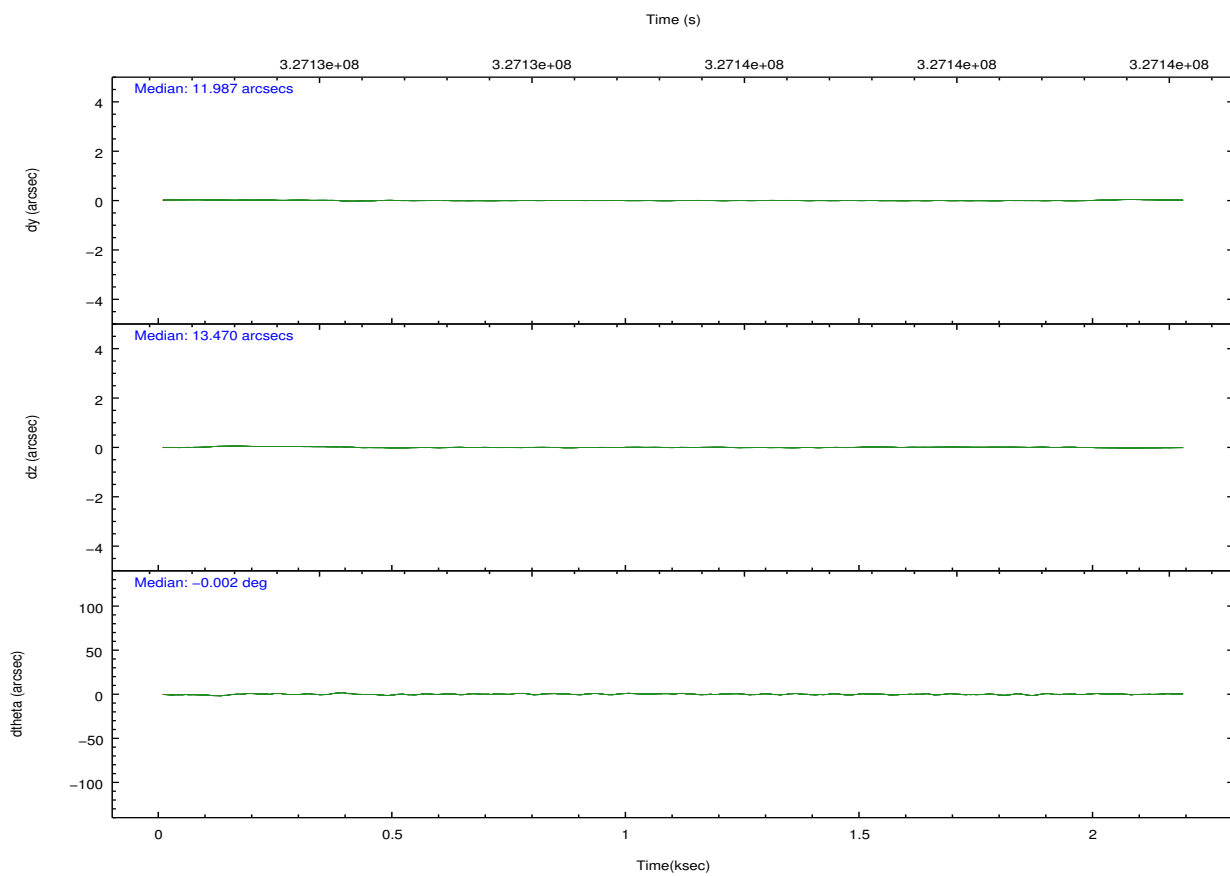
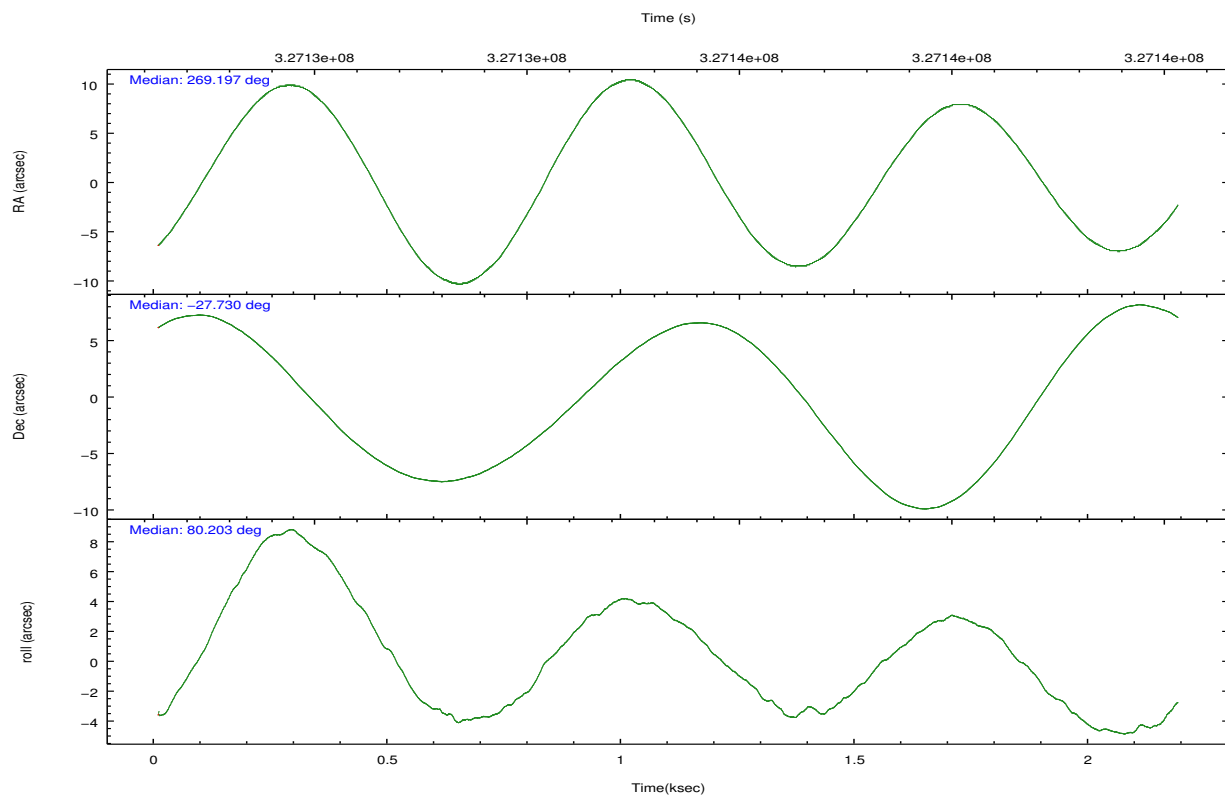
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	871	1022	913	894	1034
	4%	5%	4%	4%	4%
grade 1 events	14	9	9	11	31
	0%	0%	0%	0%	0%
grade 2 events	451	500	461	423	2177
	2%	2%	2%	1%	9%
grade 3 events	223	272	212	226	976
	1%	1%	0%	1%	4%
grade 4 events	245	268	237	234	959
	1%	1%	1%	1%	4%
grade 5 events	671	796	697	823	2450
	3%	4%	3%	3%	10%
grade 6 events	384	481	333	422	5447
	2%	2%	1%	1%	23%
grade 7 events	16097	14914	18485	19235	9897
	84%	81%	86%	86%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	269.208465	269.1975324869992	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.756262	-27.73031017046868	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004200	80.2078018734483	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	327133922.184000	327133545.67914	CCD S5 on	N	N
Observation start date	2008-05-14T06:30:57	2008-05-14T06:25:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327135922.184000	327136055.39176	On-chip summing requested	N	N
Observation end date	2008-05-14T07:04:17	2008-05-14T07:07:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



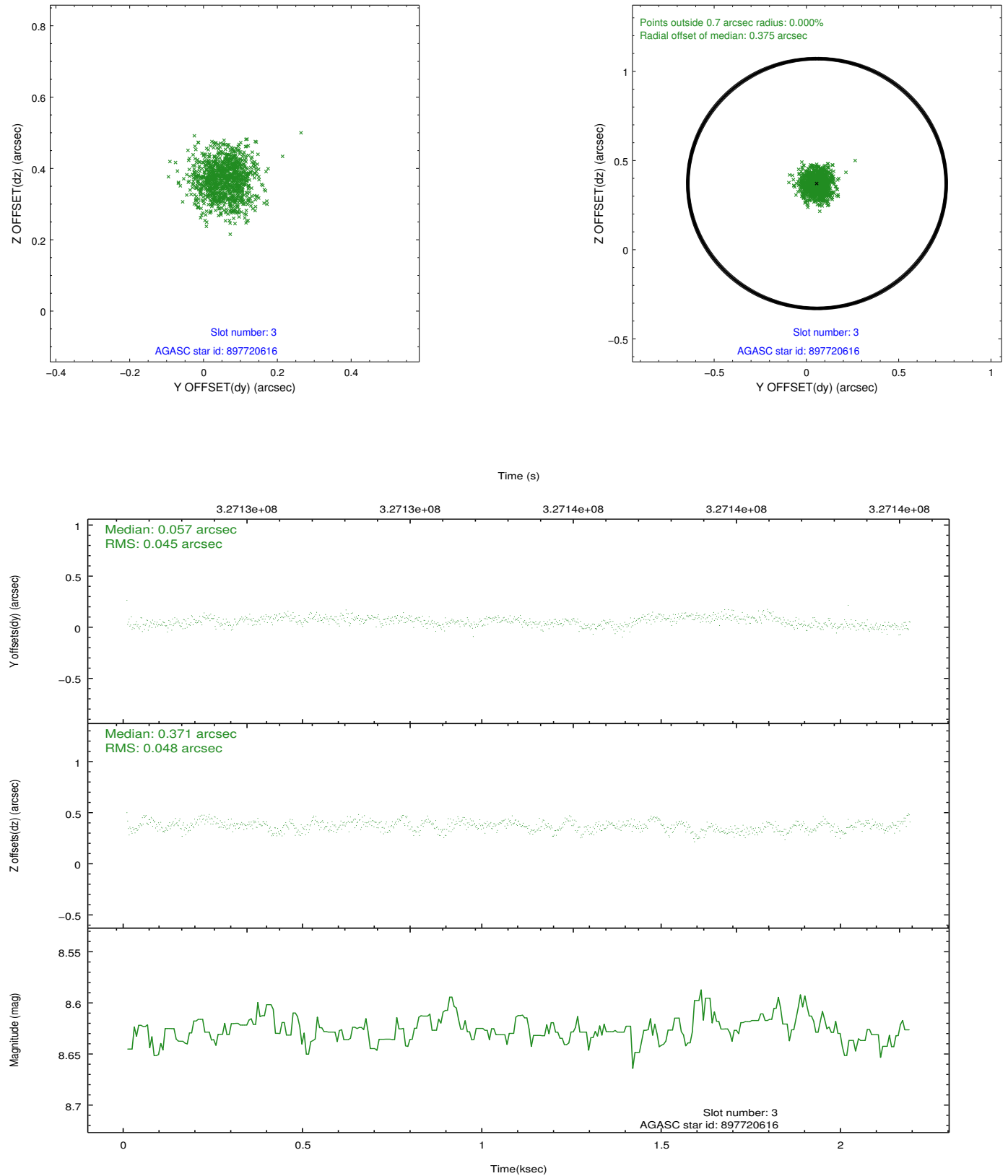


Slot Statistics

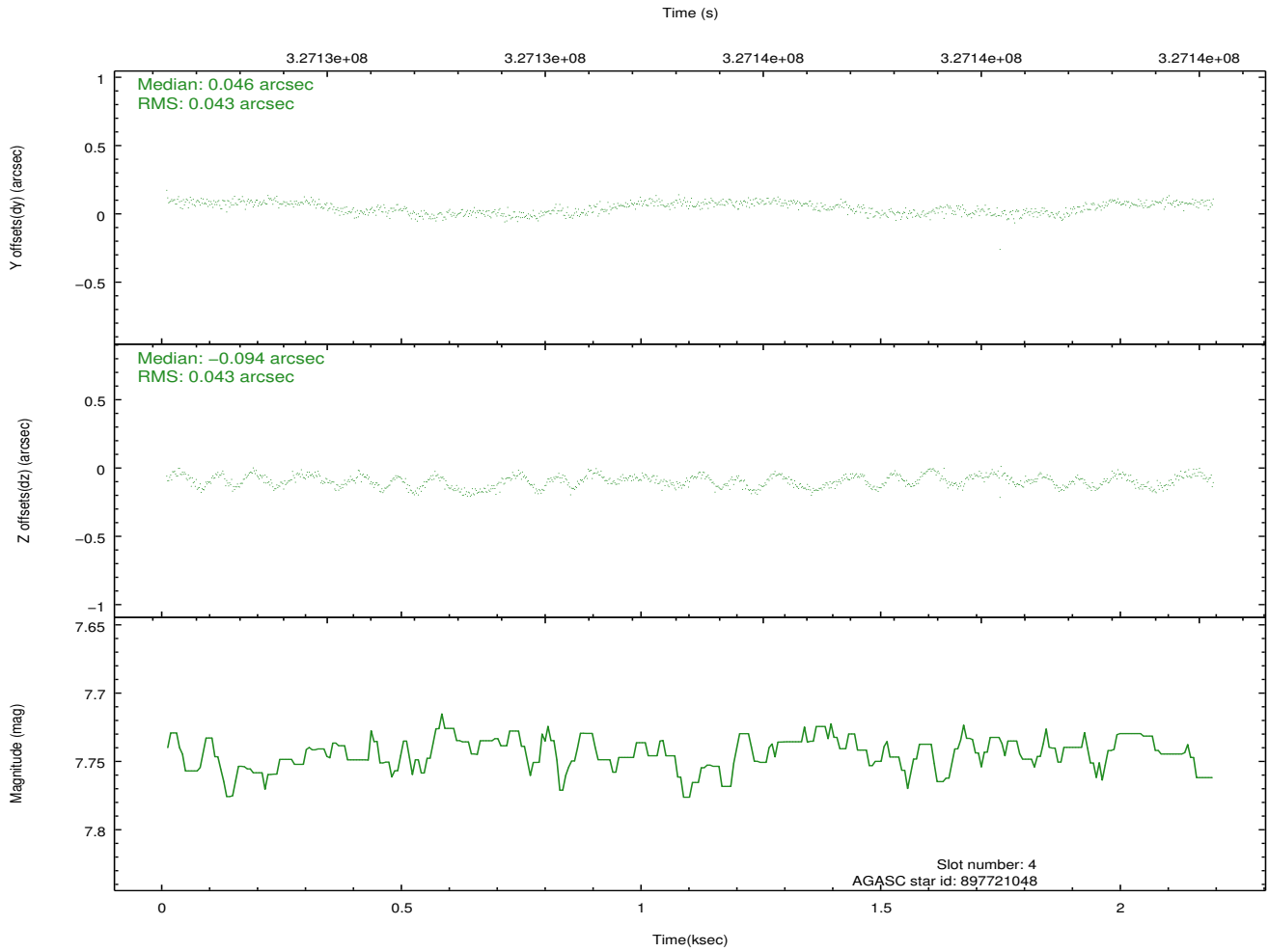
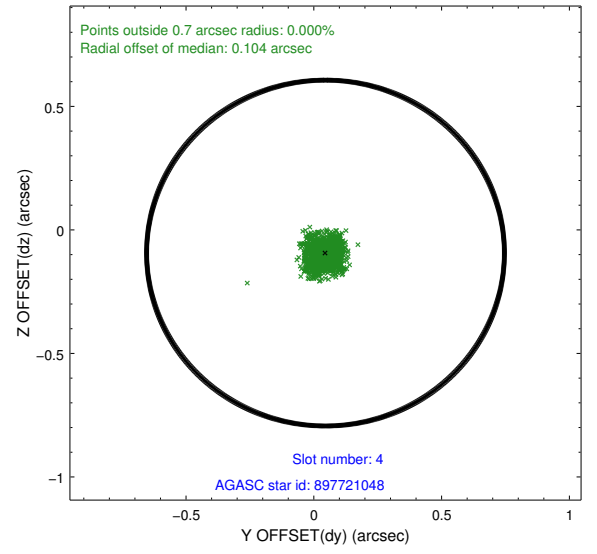
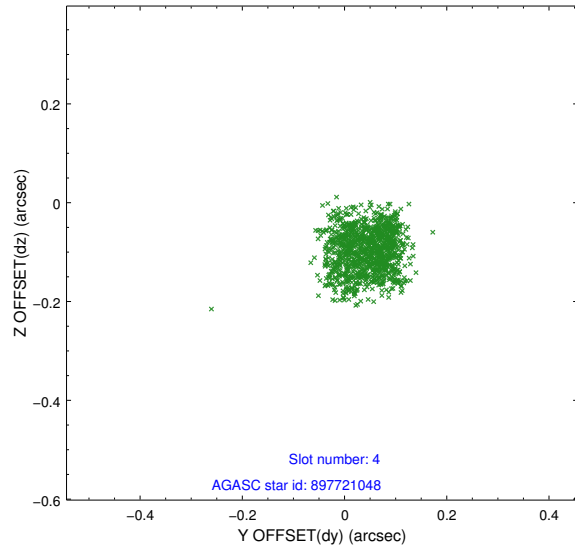
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	533	-0.033	0.040	0.008	0.015	0.000000	0.000000	927.52	-836.99
1	FID	ACIS-I-4	7.00	533	0.134	0.012	0.008	0.012	0.000000	0.000000	2149.39	1061.28
2	FID	ACIS-I-5	7.05	533	-0.201	0.019	0.007	0.012	0.000000	0.000000	-1816.81	1062.55
3	GUIDE	897720616	8.63	1065	0.057	0.371	0.068	0.111	269.886360	-27.876425	-57.60	-2200.53
4	GUIDE	897721048	7.74	1066	0.046	-0.094	0.066	0.099	268.989561	-28.030814	-1095.18	510.83
5	GUIDE	898236888	8.69	1065	0.163	0.127	0.071	0.116	269.539947	-28.141730	-1186.54	-1277.23
6	GUIDE	897722208	8.38	1063	-0.106	-0.245	0.062	0.095	268.617190	-27.294090	1304.05	2149.28
7	GUIDE	897726344	8.92	1063	-0.158	-0.145	0.072	0.116	268.964610	-27.035045	2420.85	1222.57

2.4 Star Slots

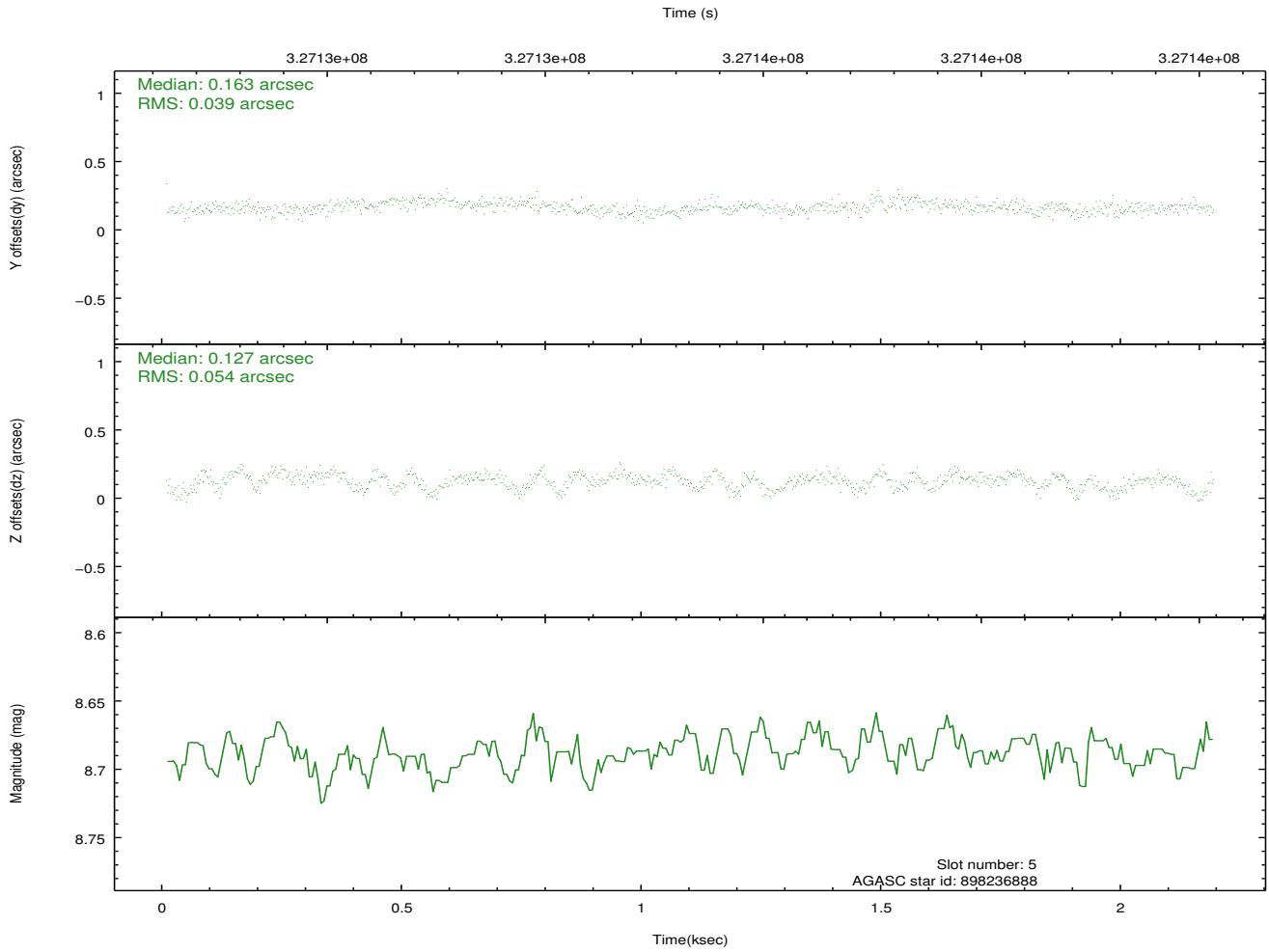
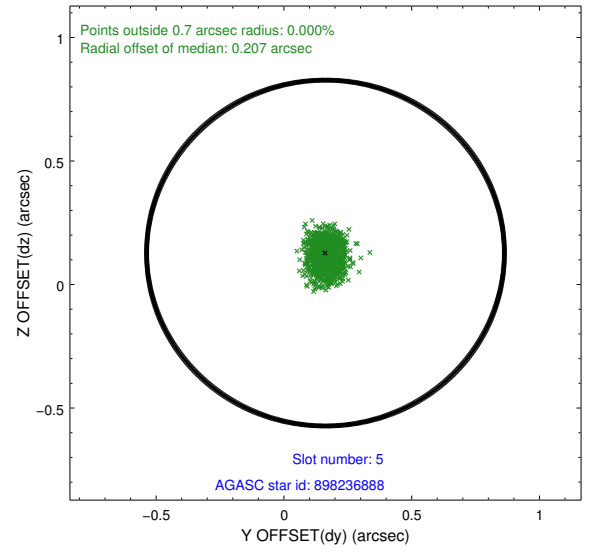
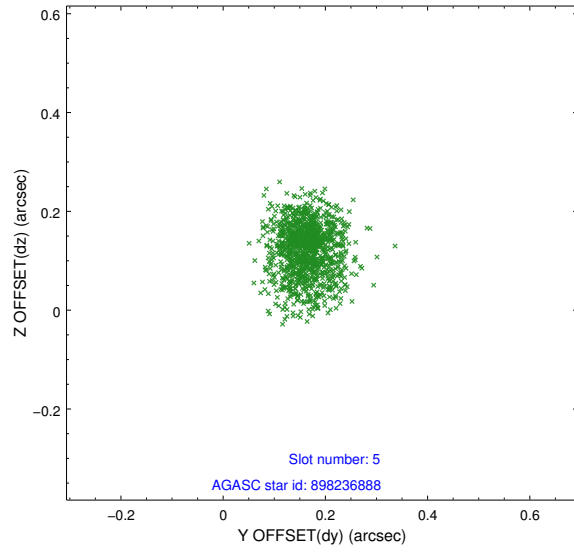
2.4.1 Slot 3



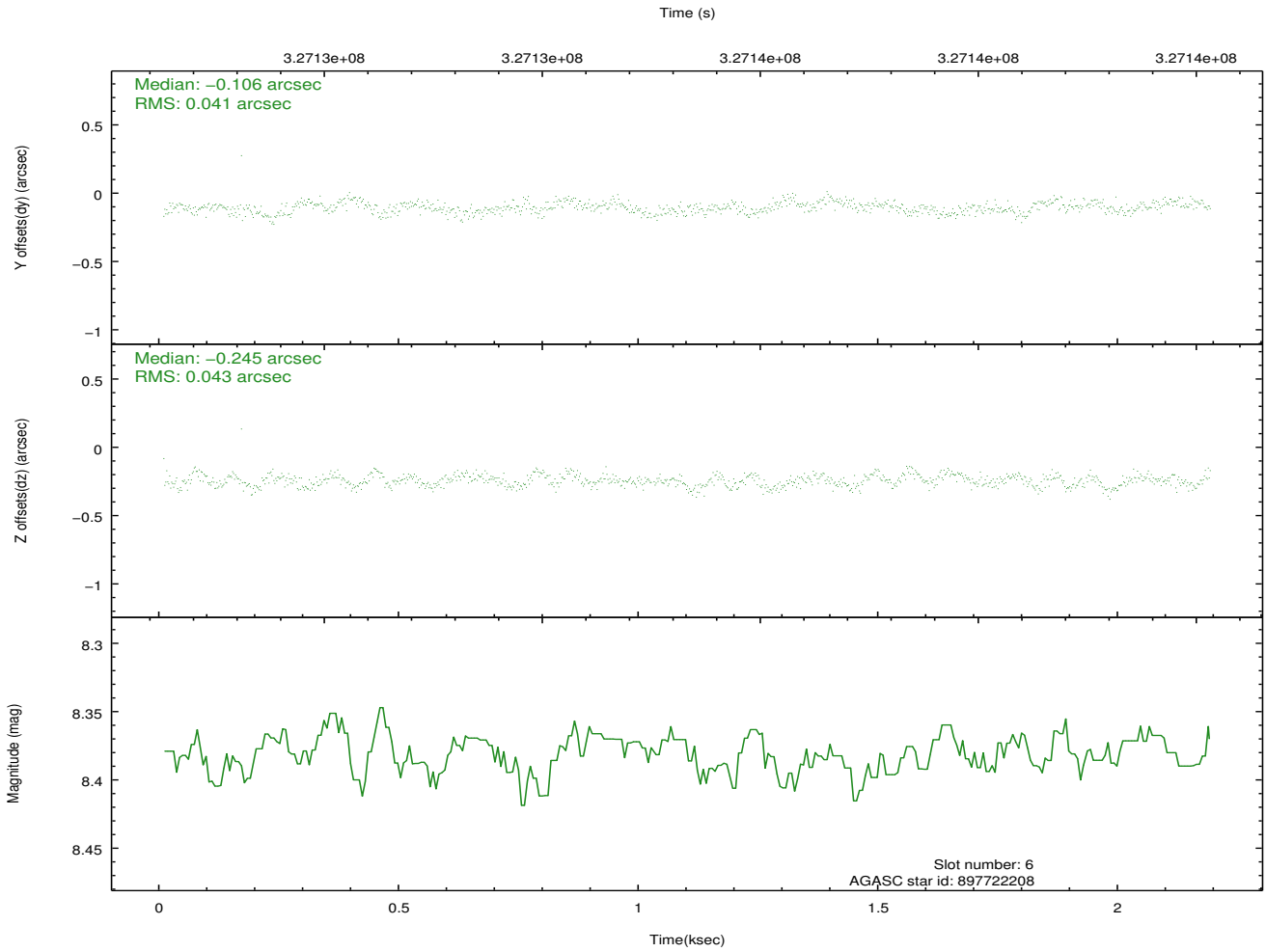
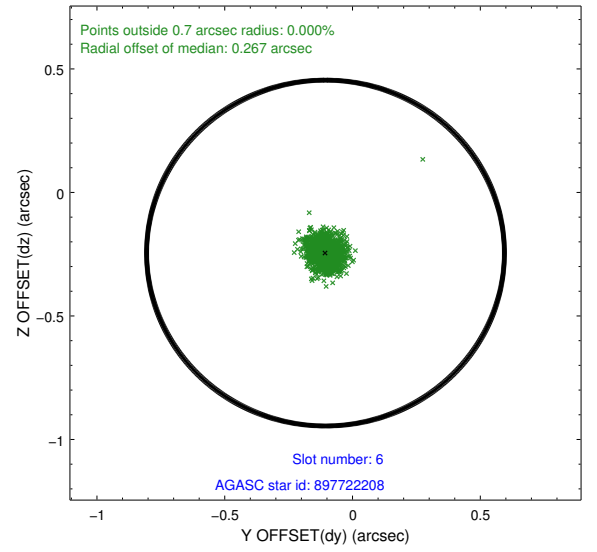
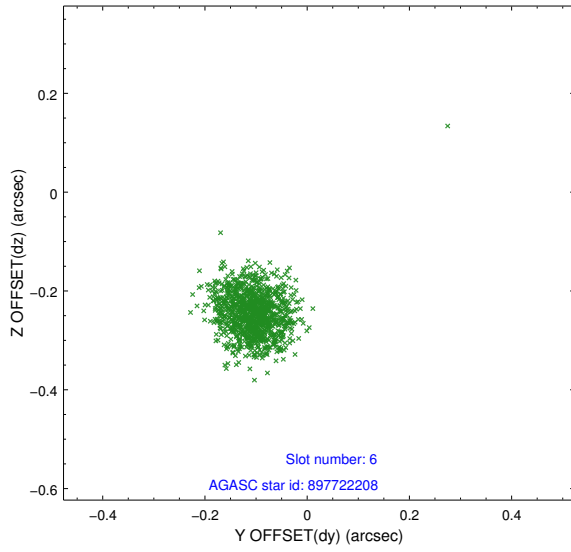
2.4.2 Slot 4



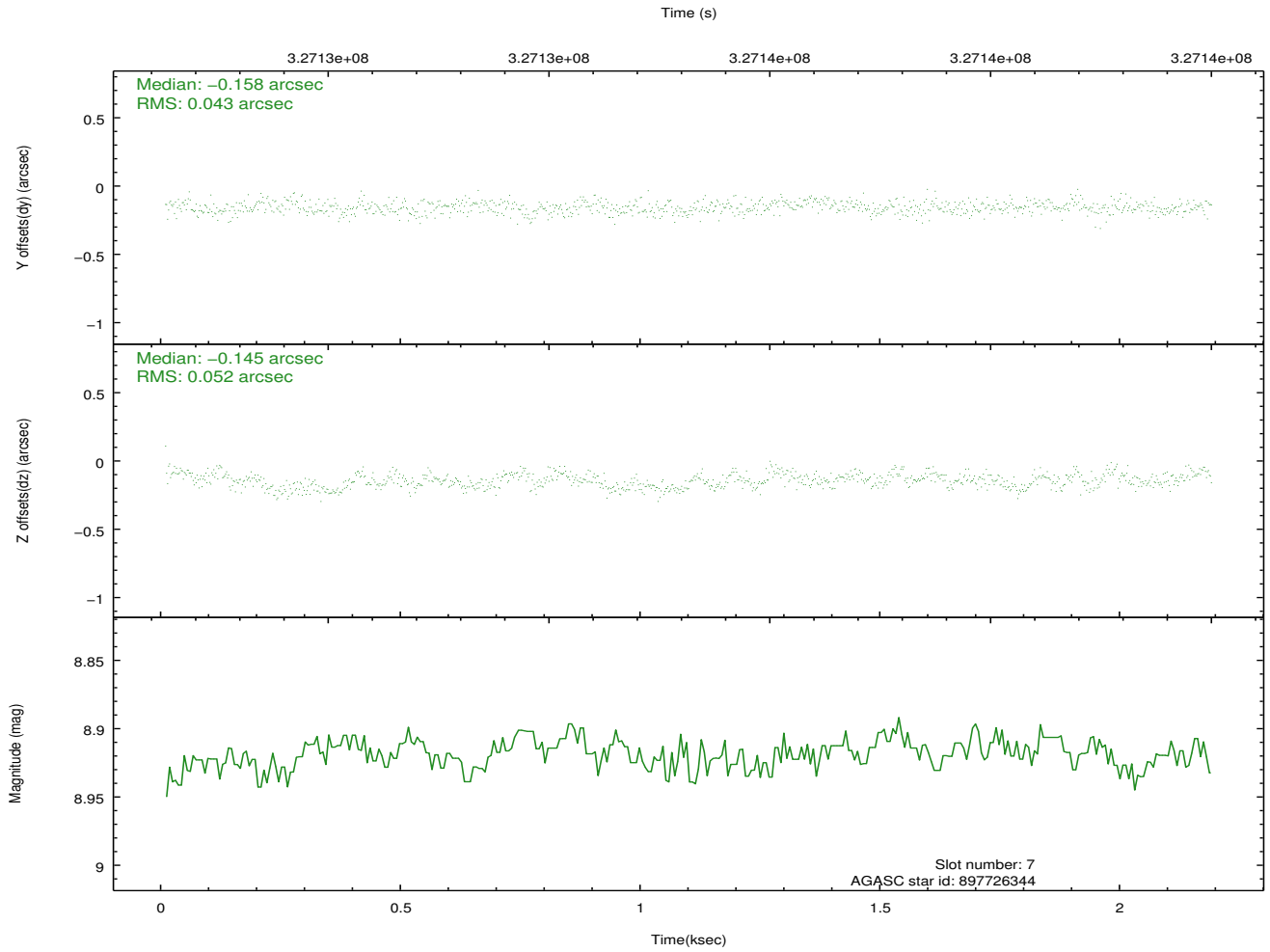
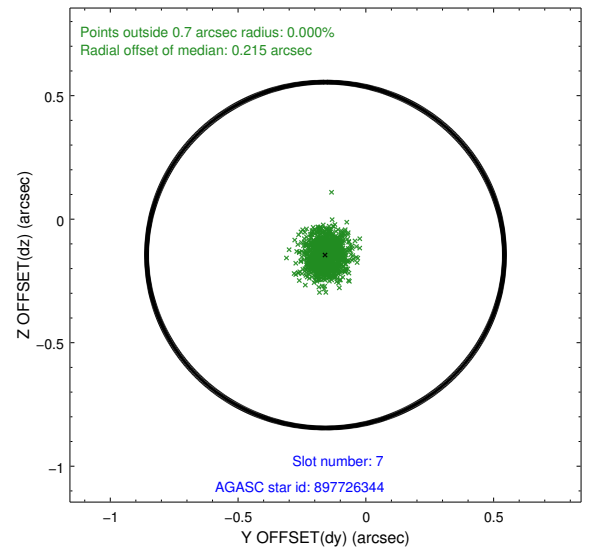
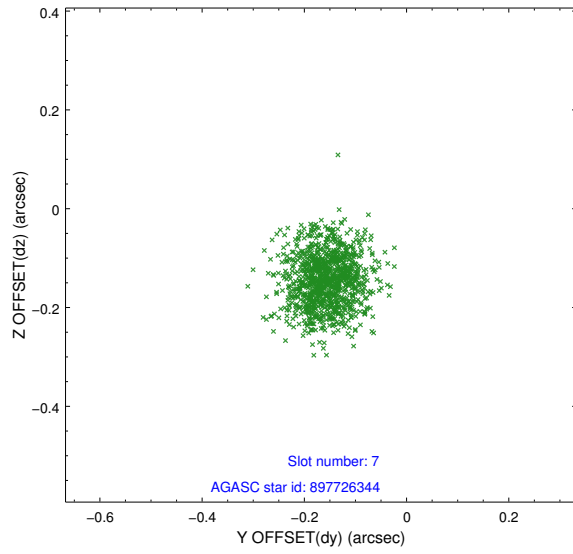
2.4.3 Slot 5



2.4.4 Slot 6

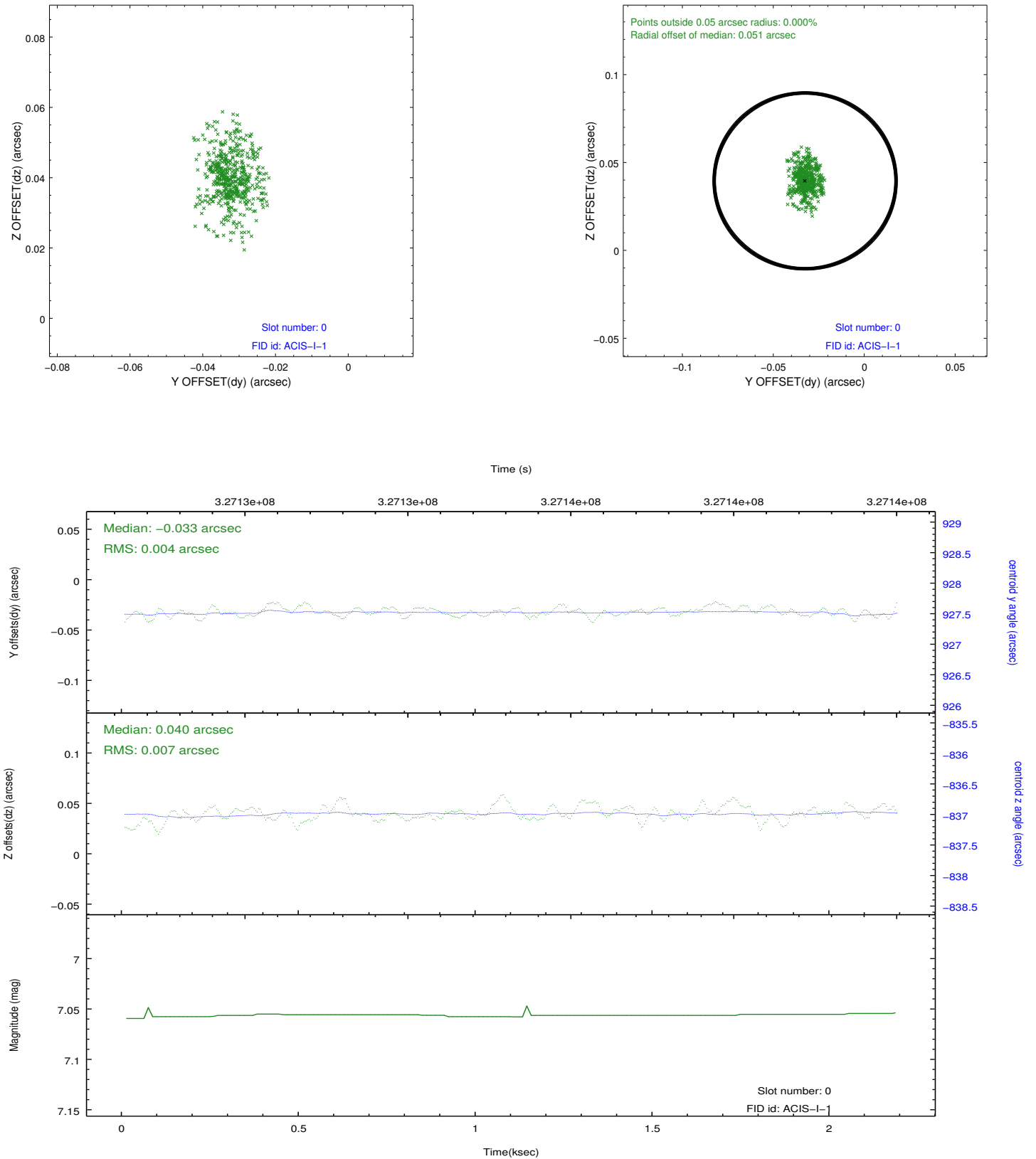


2.4.5 Slot 7

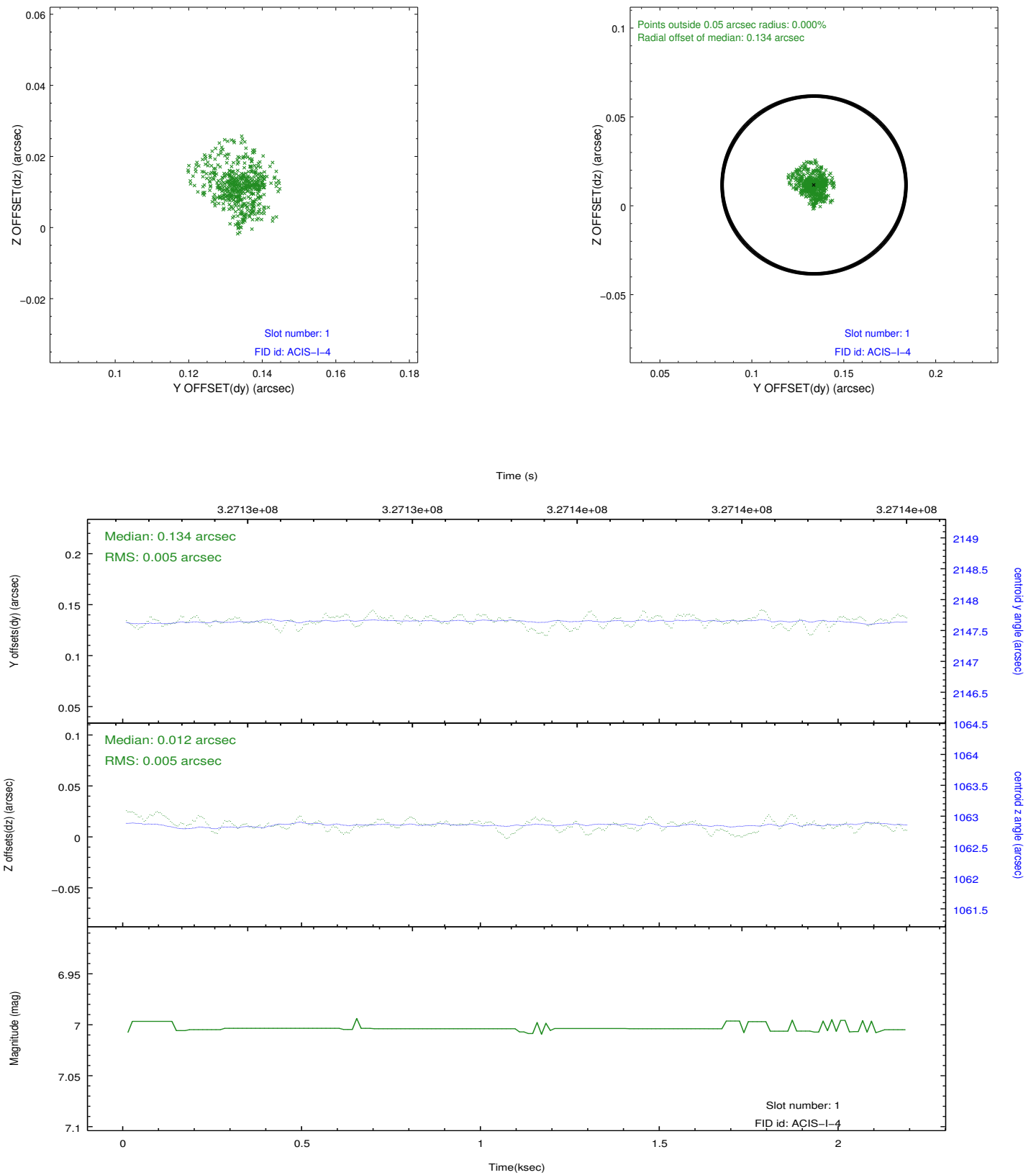


2.5 FID Slots

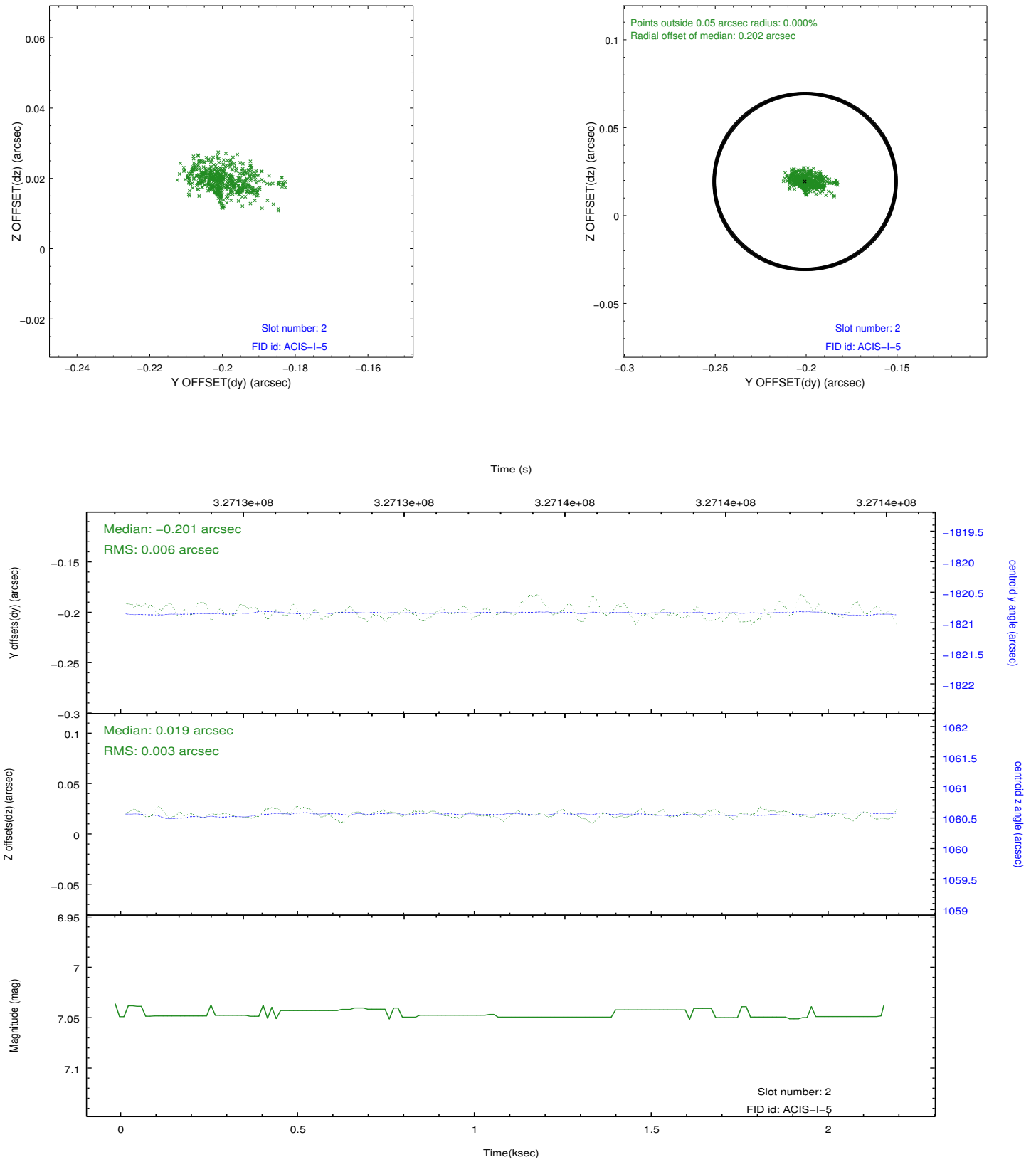
2.5.1 Slot 0



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)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments

Joint Proposal: NOAO