

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8713 - L2 Version 2
Chandra X-Ray Center

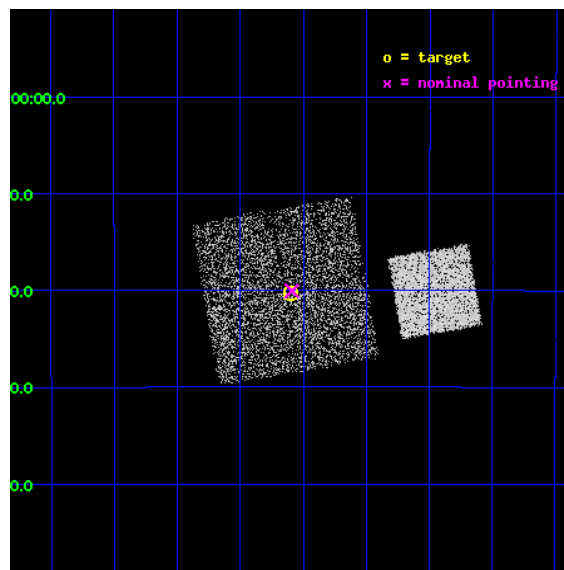
L2 Processing Date : May 14 2012

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1 Front

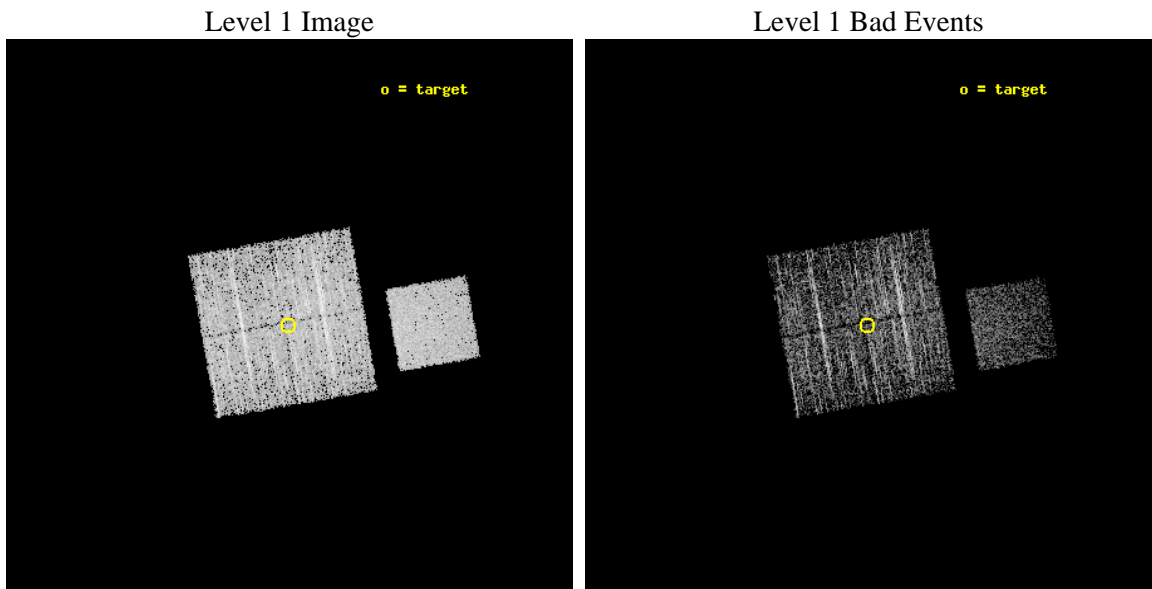
seq_num	400764	Sequence number
obs_id	8713	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.274689	Observer's specified target RA [deg]
dec_targ	-28.338907	Observer's specified target Dec [deg]
ra_nom	268.27272536096	Nominal RA [deg]
dec_nom	-28.334293921296	Nominal Dec [deg]
roll_nom	80.207779698431	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.3000167608	Sum of GTIs [s]
livetime	2150.8258576645	Livetime [s]
ontime0	2179.3000167608	Sum of GTIs [s]
ontime1	2179.3000167608	Sum of GTIs [s]
ontime2	2179.3000167608	Sum of GTIs [s]
ontime3	2179.3000167608	Sum of GTIs [s]
ontime7	2179.3000167608	Sum of GTIs [s]
l2events	16246	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	2179.3000167608	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2179.3000167608	Sum of GTIs [s]
date	2012-05-14T23:20:18	Date and time of file creation	ontime1	2179.3000167608	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.3000167608	Sum of GTIs [s]
			ontime3	2179.3000167608	Sum of GTIs [s]
			ontime7	2179.3000167608	Sum of GTIs [s]
			l1events	105733	Number of level 1 events

2.1.4 Events

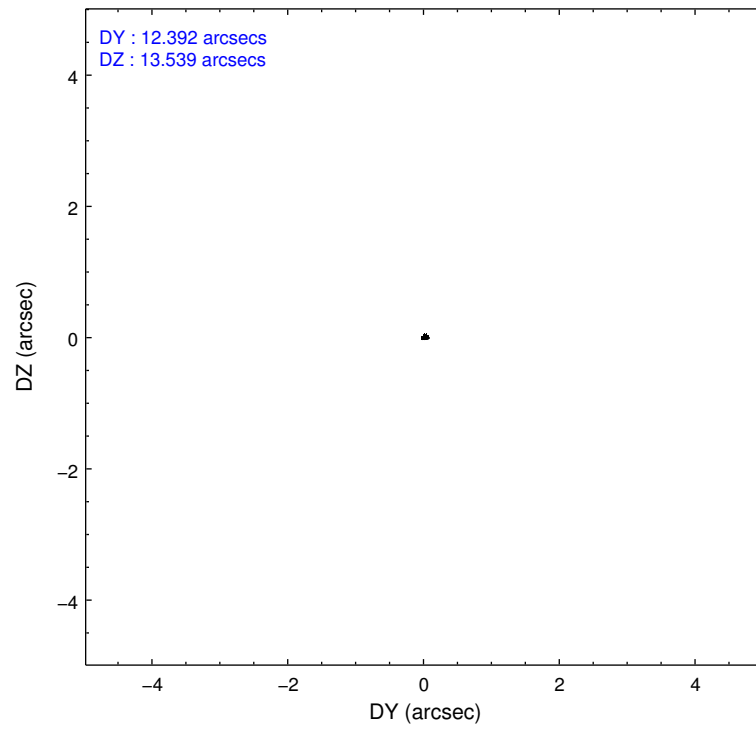
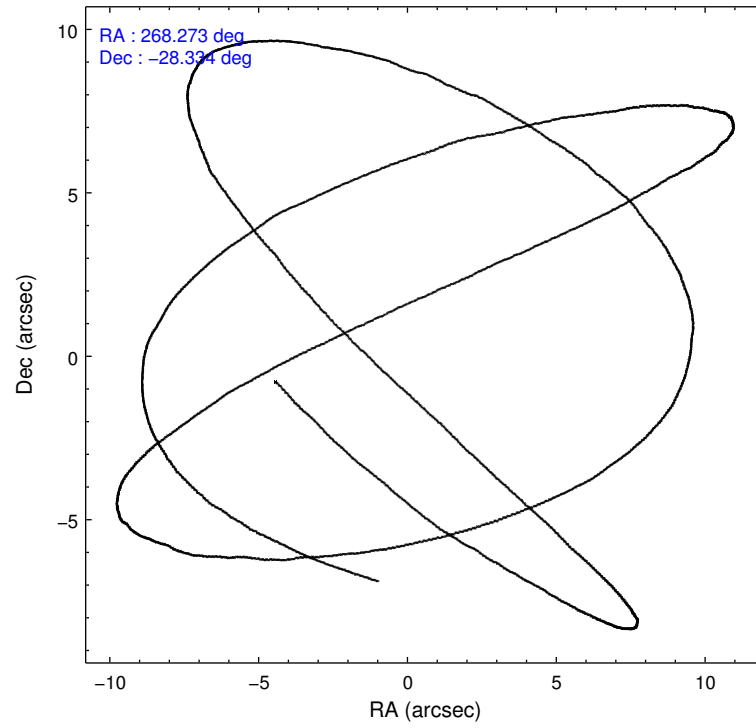
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18772	19675	22491	21742	23053
rejected events	16635	17310	20507	19678	13642
rejected %	88%	87%	91%	90%	59%

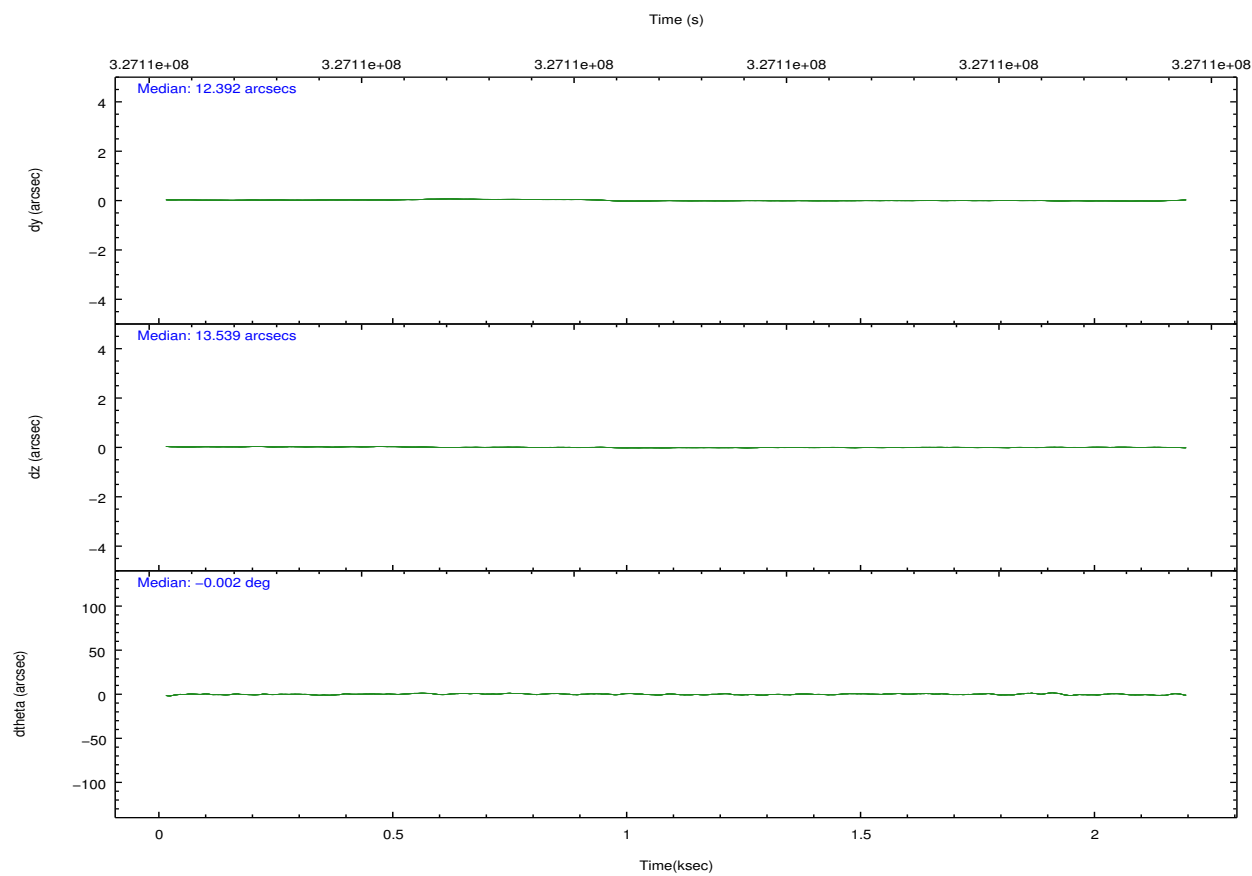
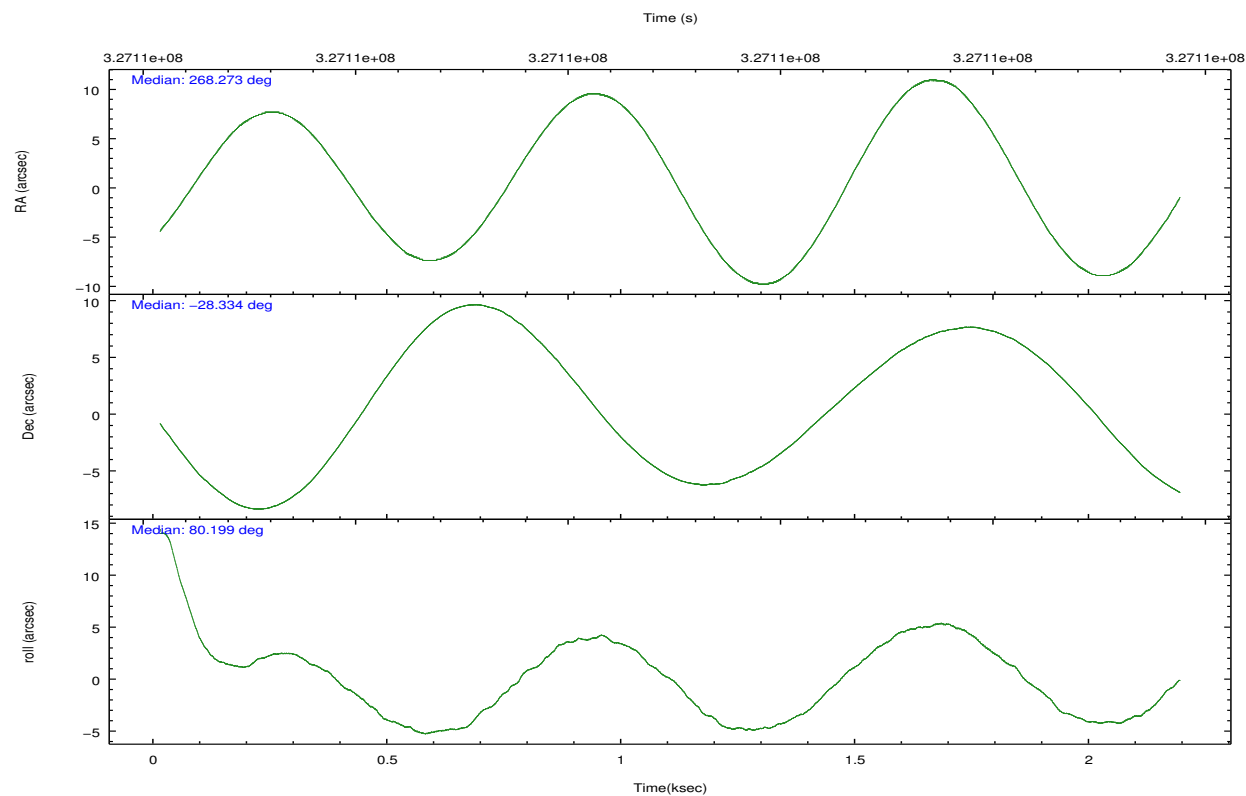
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1048	1240	984	1011	1114
	5%	6%	4%	4%	4%
grade 1 events	16	17	8	10	26
	0%	0%	0%	0%	0%
grade 2 events	530	577	532	532	2292
	2%	2%	2%	2%	9%
grade 3 events	232	211	193	231	992
	1%	1%	0%	1%	4%
grade 4 events	234	242	207	235	1038
	1%	1%	0%	1%	4%
grade 5 events	701	730	641	812	2407
	3%	3%	2%	3%	10%
grade 6 events	407	444	354	354	5360
	2%	2%	1%	1%	23%
grade 7 events	15604	16214	19572	18557	9824
	83%	82%	87%	85%	42%

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	268.283738	268.2727253609604	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.359946	-28.33429392129572	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004297	80.20777969843097	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)	327111332.184000	327110955.70304	CCD S5 on	N	N
Observation start date	2008-05-14T00:14:27	2008-05-14T00:09:15	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327113332.184000	327113465.41566	On-chip summing requested	N	N
Observation end date	2008-05-14T00:47:47	2008-05-14T00:51:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



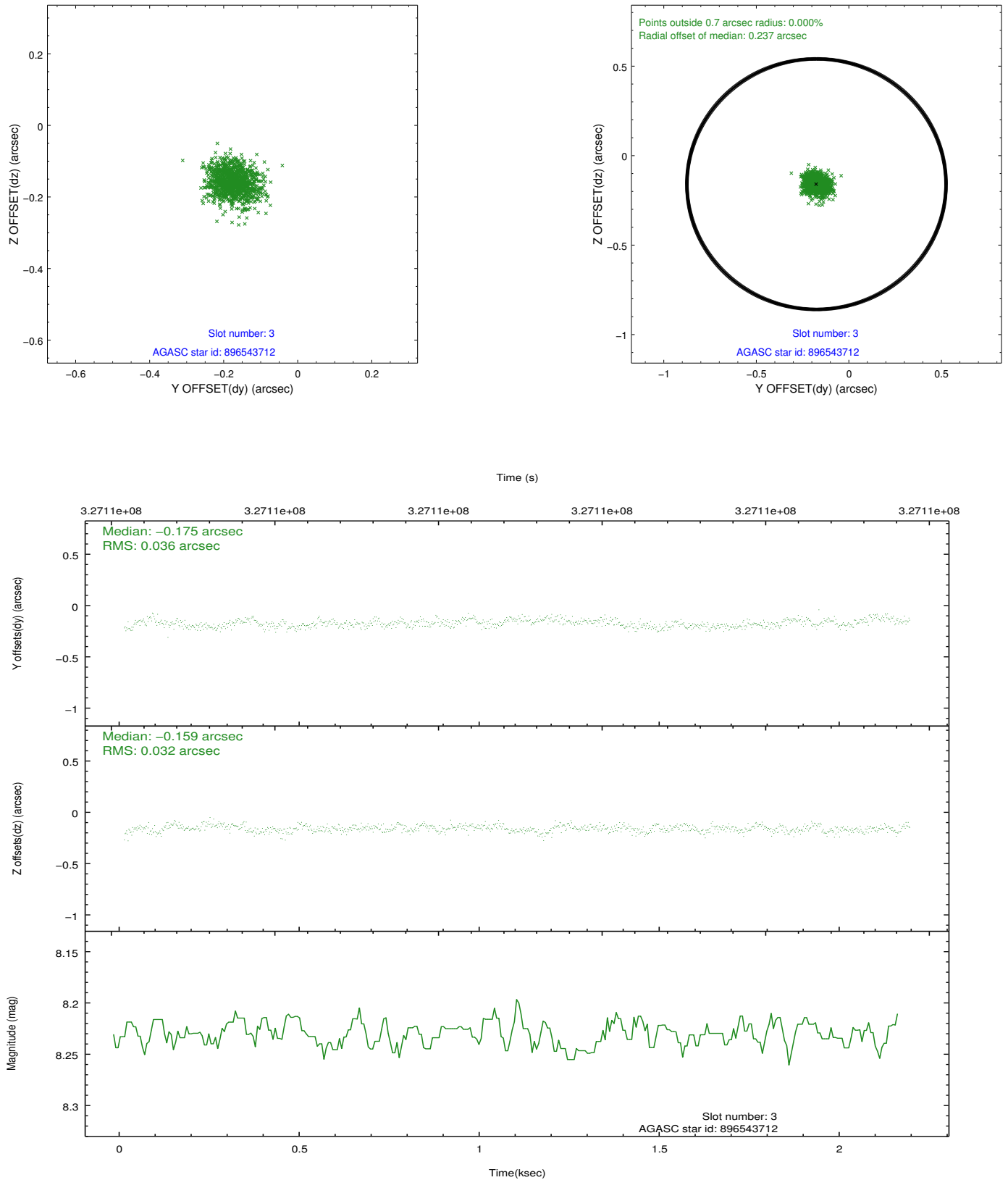


Slot Statistics

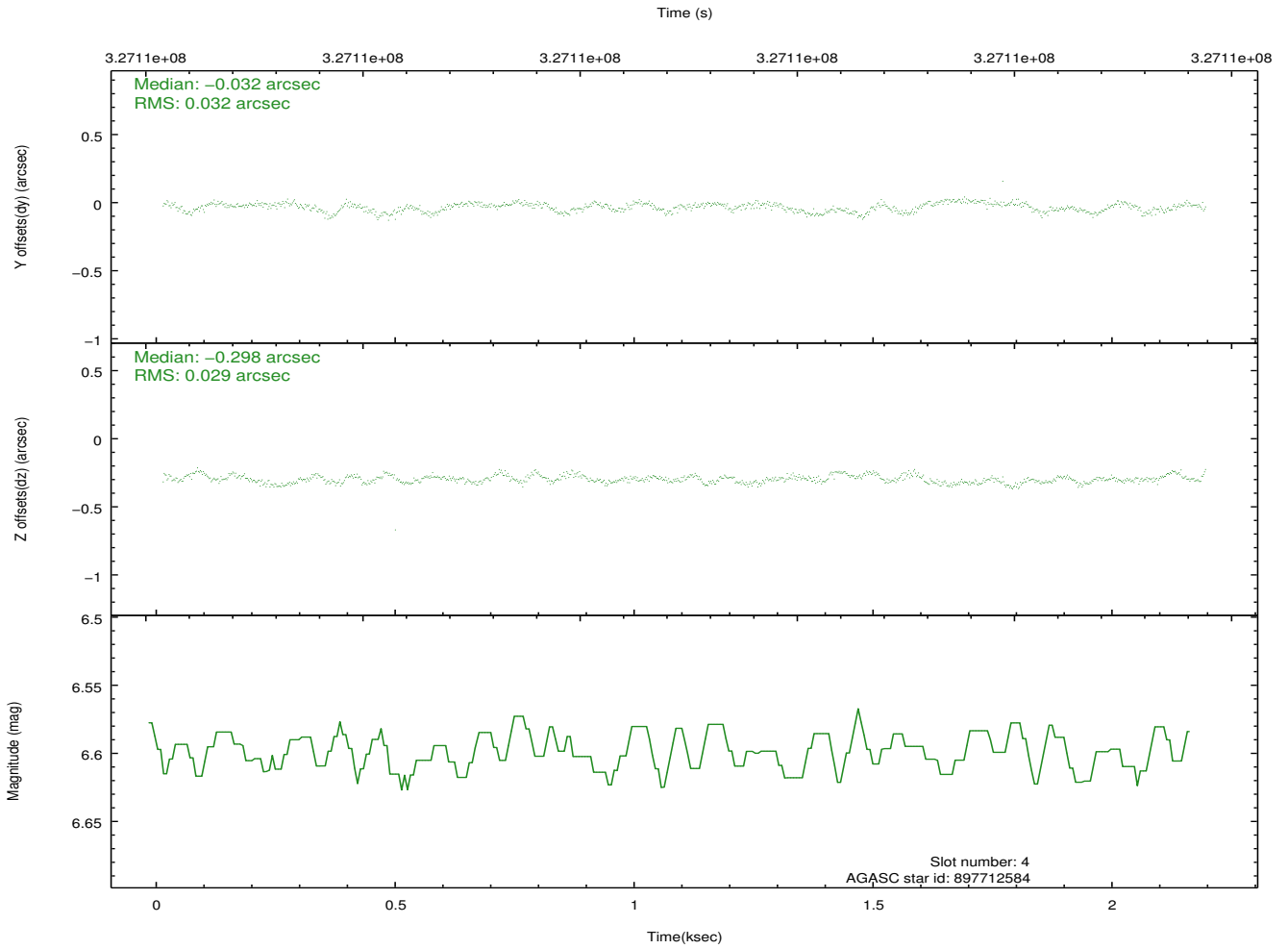
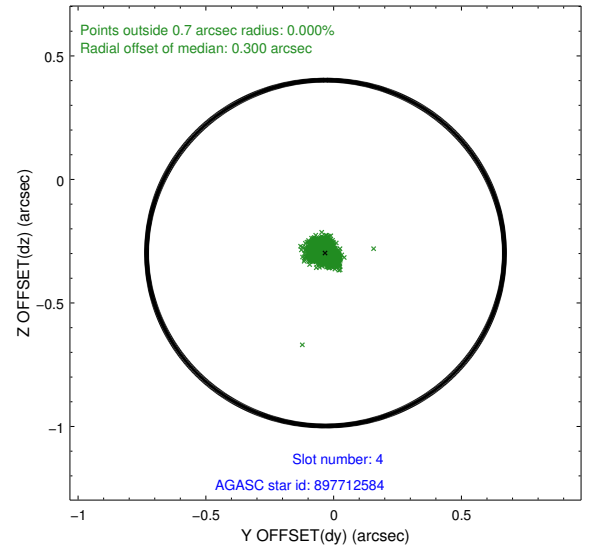
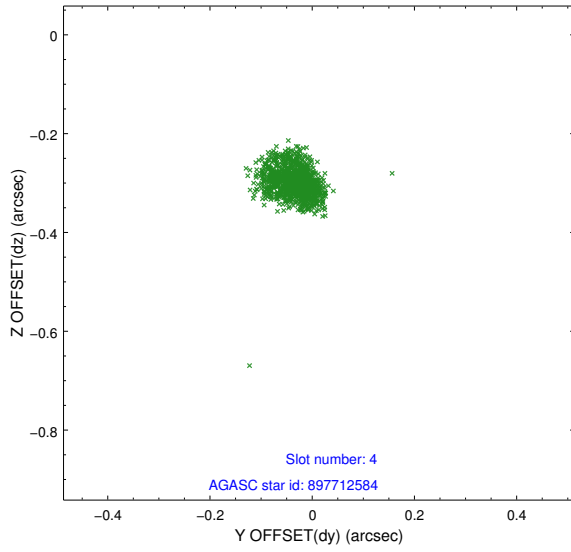
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	532	-0.035	0.047	0.014	0.023	0.000000	0.000000	927.10	-837.06
1	FID	ACIS-I-4	7.00	532	0.145	0.009	0.011	0.017	0.000000	0.000000	2148.98	1061.21
2	FID	ACIS-I-5	7.04	532	-0.208	0.016	0.008	0.015	0.000000	0.000000	-1817.23	1062.47
3	GUIDE	896543712	8.23	1065	-0.175	-0.159	0.052	0.083	267.764551	-28.659720	-1350.85	1426.83
4	GUIDE	897712584	6.60	1064	-0.032	-0.298	0.045	0.069	268.003029	-28.022394	1039.96	1090.44
5	GUIDE	897721048	7.77	1064	-0.255	0.235	0.043	0.070	268.989561	-28.030814	1551.38	-2002.92
6	GUIDE	898238128	7.72	1065	0.105	0.057	0.055	0.090	268.450740	-28.688500	-1071.45	-726.84
7	GUIDE	898247688	8.65	1063	0.363	0.168	0.071	0.115	268.426687	-29.012154	-2234.44	-851.77

2.4 Star Slots

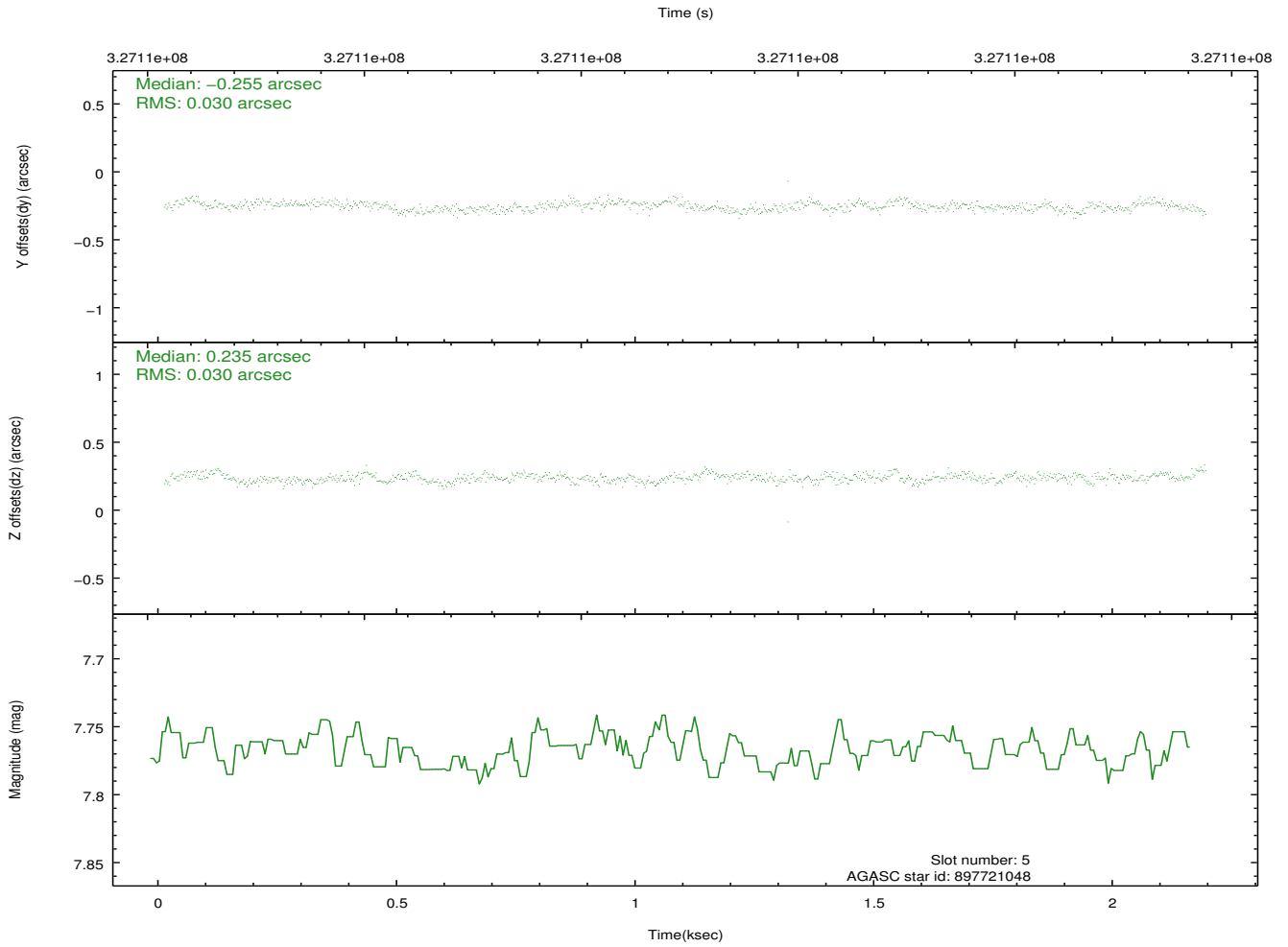
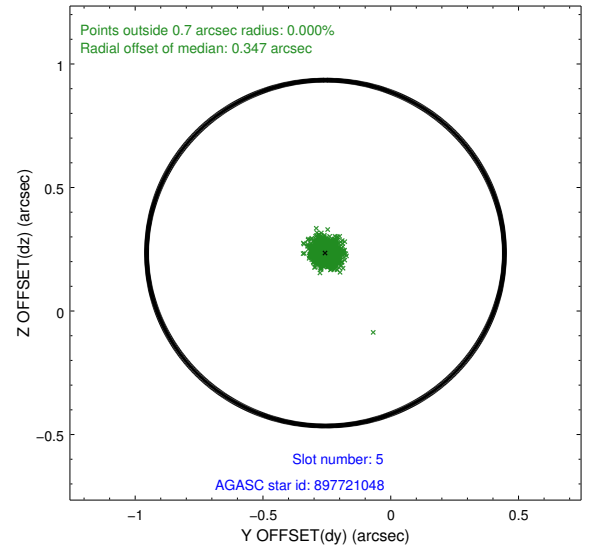
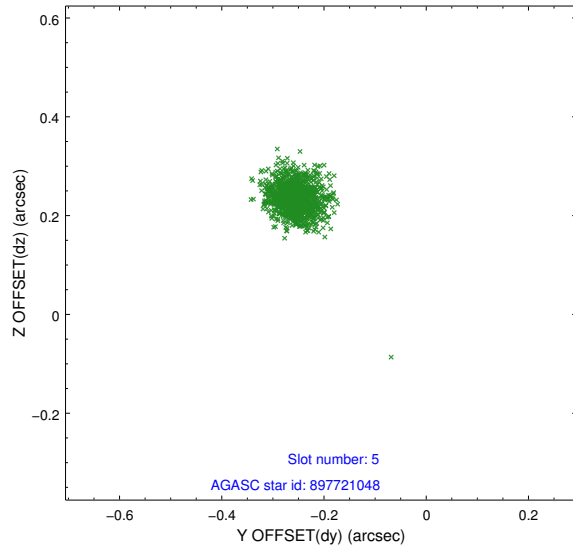
2.4.1 Slot 3



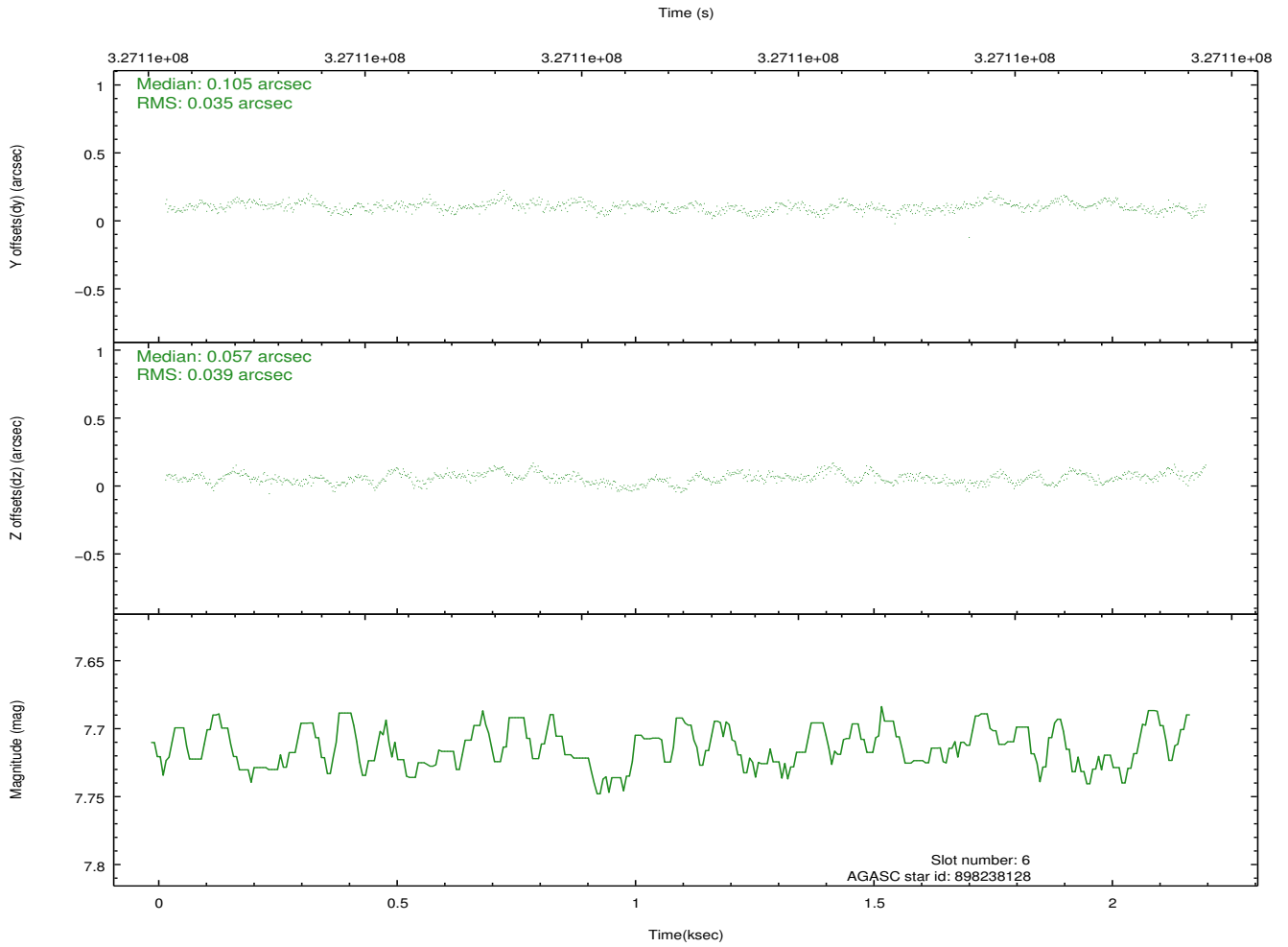
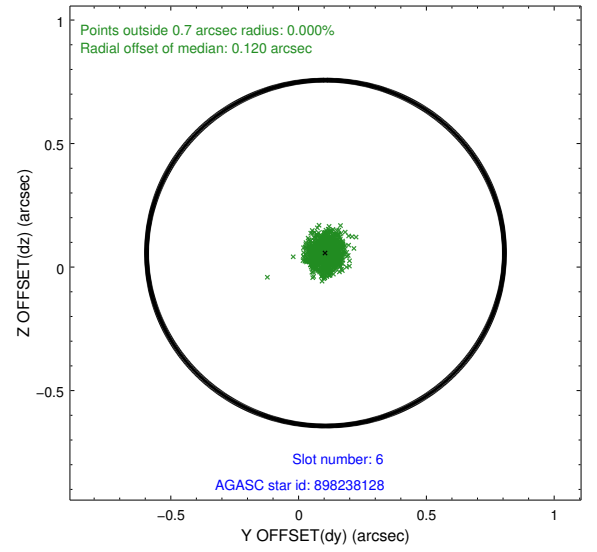
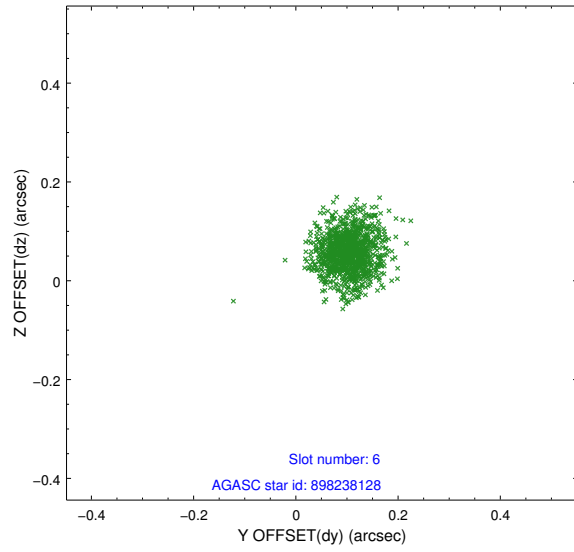
2.4.2 Slot 4



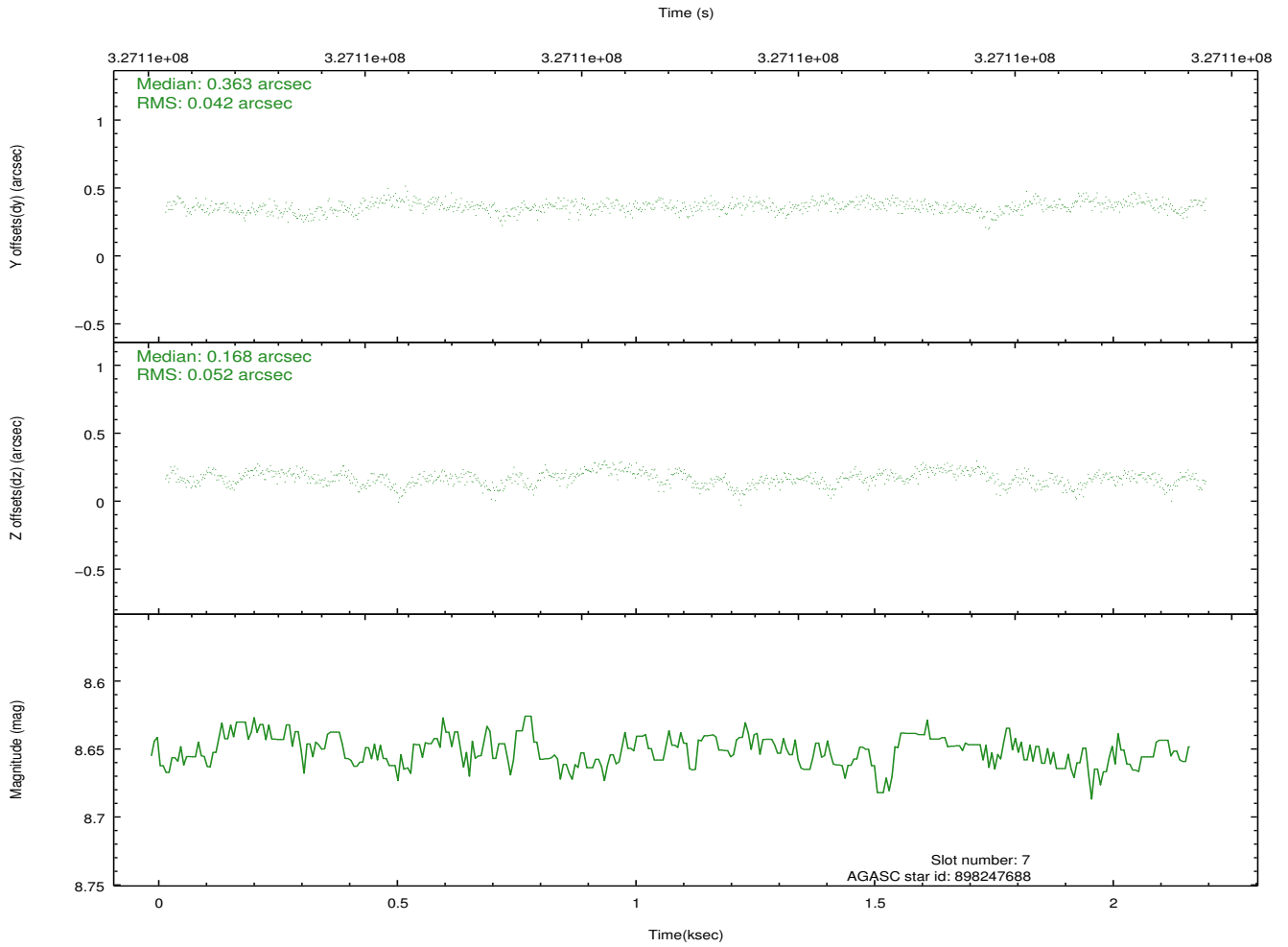
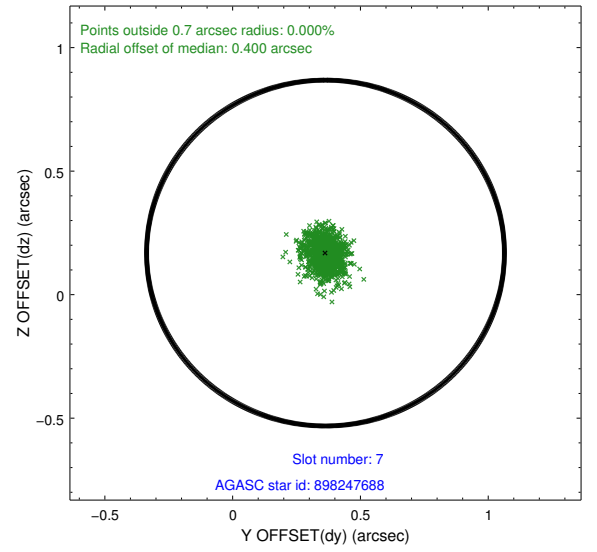
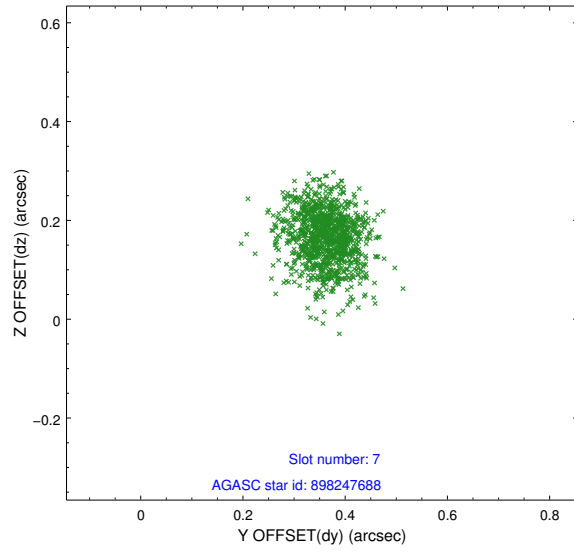
2.4.3 Slot 5



2.4.4 Slot 6

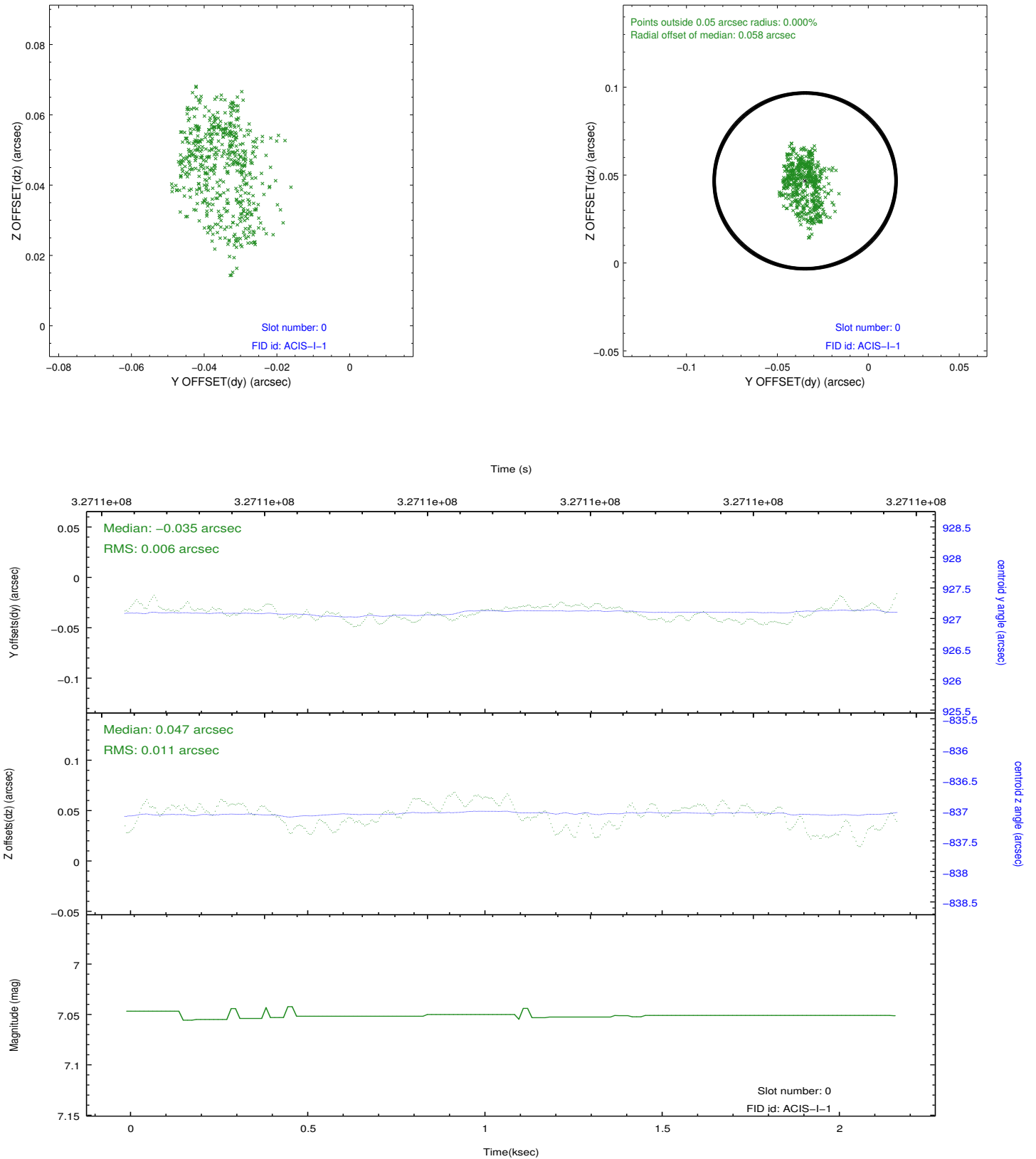


2.4.5 Slot 7

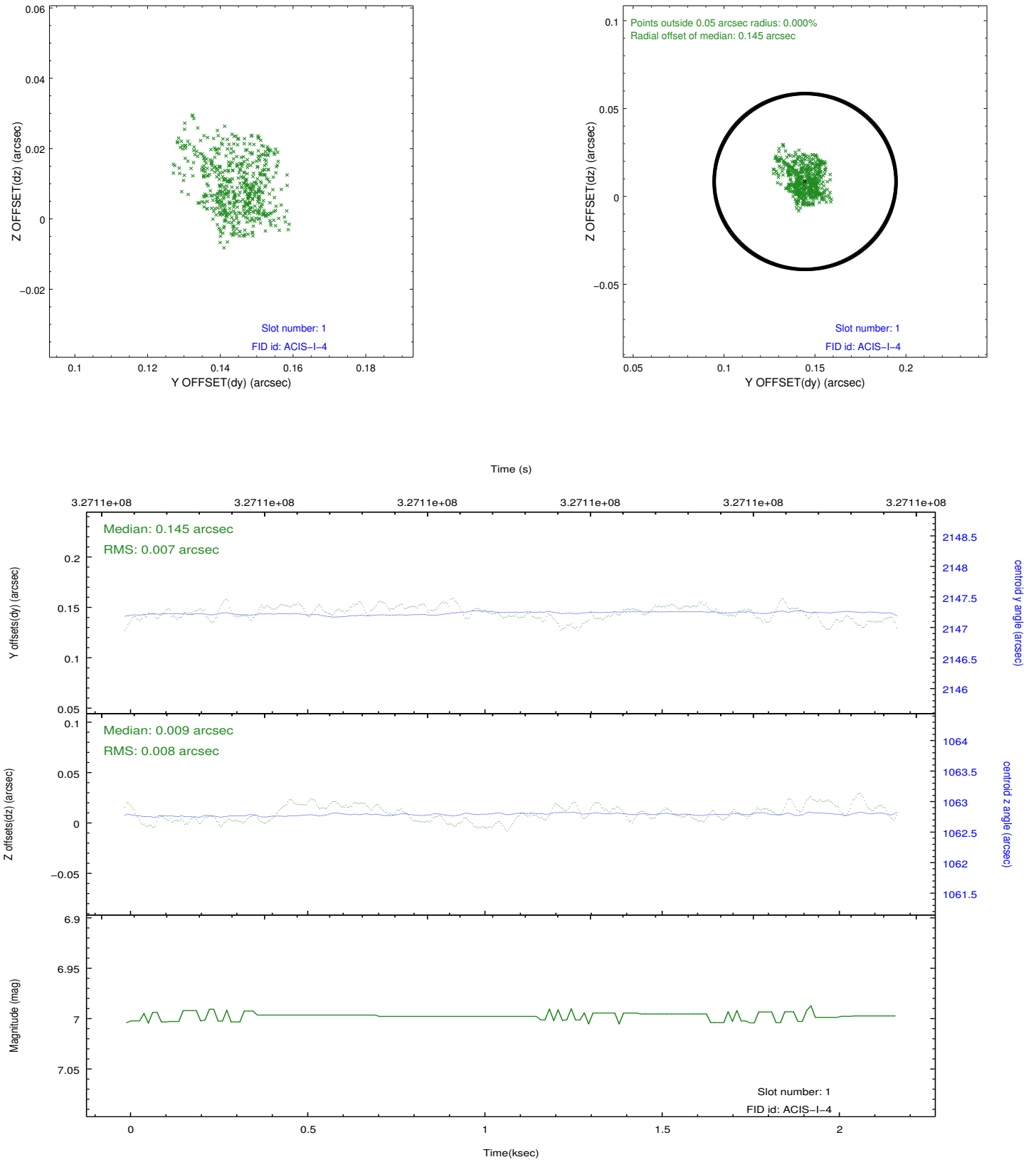


2.5 FID Slots

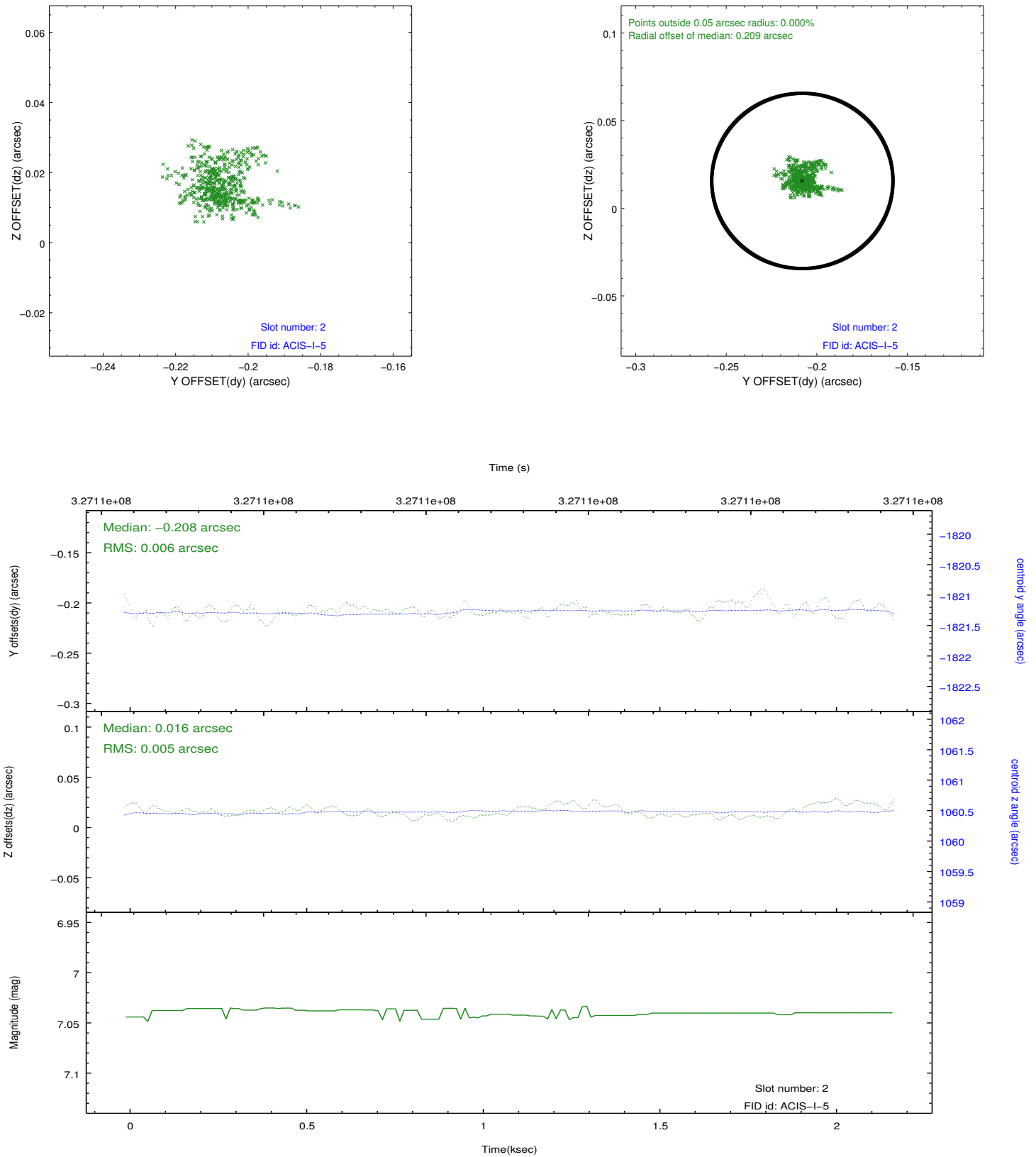
2.5.1 Slot 0



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)	2012.05.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17930001

A.2 Comments

Joint proposal with NOAO.