

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8728 - L2 Version 2
Chandra X-Ray Center

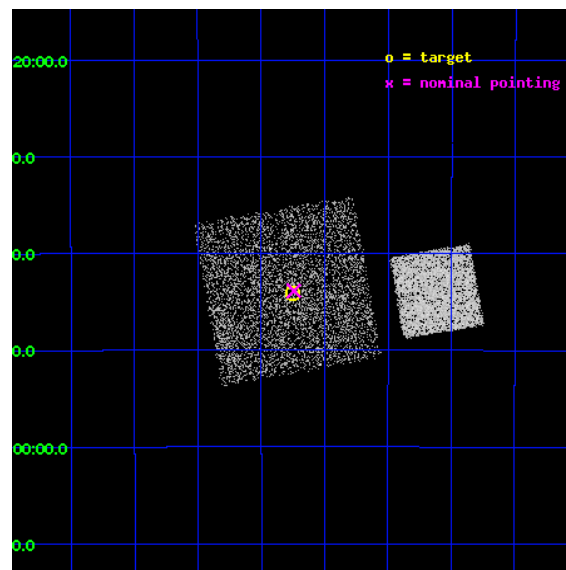
L2 Processing Date : May 14 2012

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1 Front

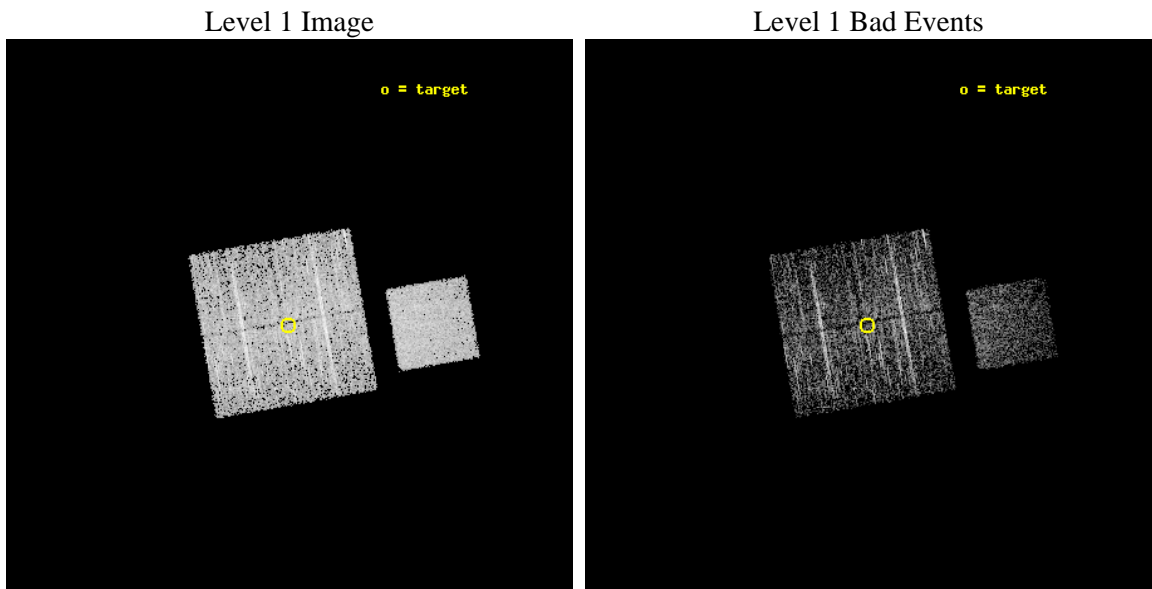
seq_num	400779	Sequence number
obs_id	8728	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.937693	Observer's specified target RA [deg]
dec_targ	-27.735863	Observer's specified target Dec [deg]
ra_nom	268.93568820357	Nominal RA [deg]
dec_nom	-27.731277575518	Nominal Dec [deg]
roll_nom	80.207764389825	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.5000168085	Sum of GTIs [s]
livetime	2156.9448501472	Livetime [s]
ontime0	2185.5000168085	Sum of GTIs [s]
ontime1	2185.5000168085	Sum of GTIs [s]
ontime2	2185.5000168085	Sum of GTIs [s]
ontime3	2185.5000168085	Sum of GTIs [s]
ontime7	2185.5000168085	Sum of GTIs [s]
l2events	15520	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	2185.5000168085	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2185.5000168085	Sum of GTIs [s]
date	2012-05-14T20:45:34	Date and time of file creation	ontime1	2185.5000168085	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2185.5000168085	Sum of GTIs [s]
			ontime3	2185.5000168085	Sum of GTIs [s]
			ontime7	2185.5000168085	Sum of GTIs [s]
			l1events	99865	Number of level 1 events

2.1.4 Events

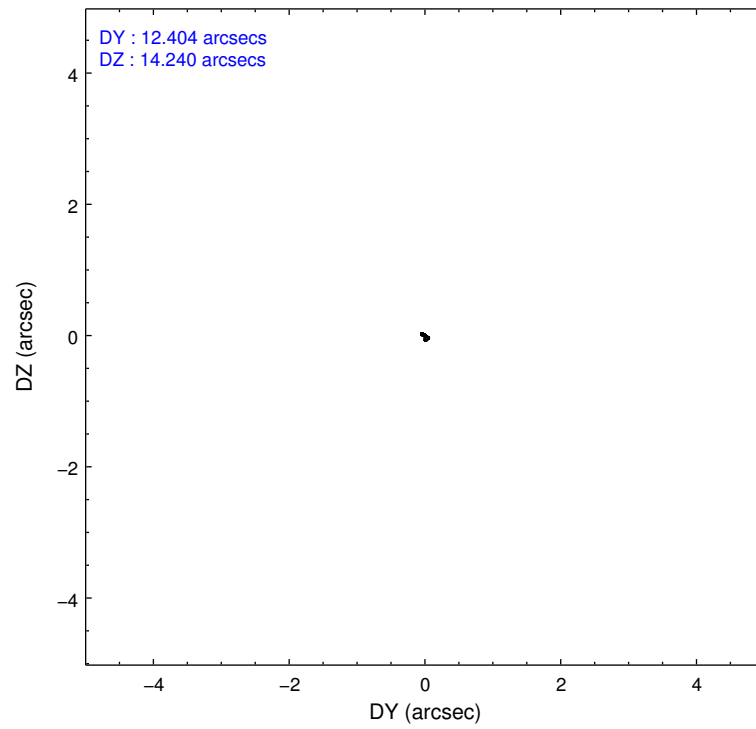
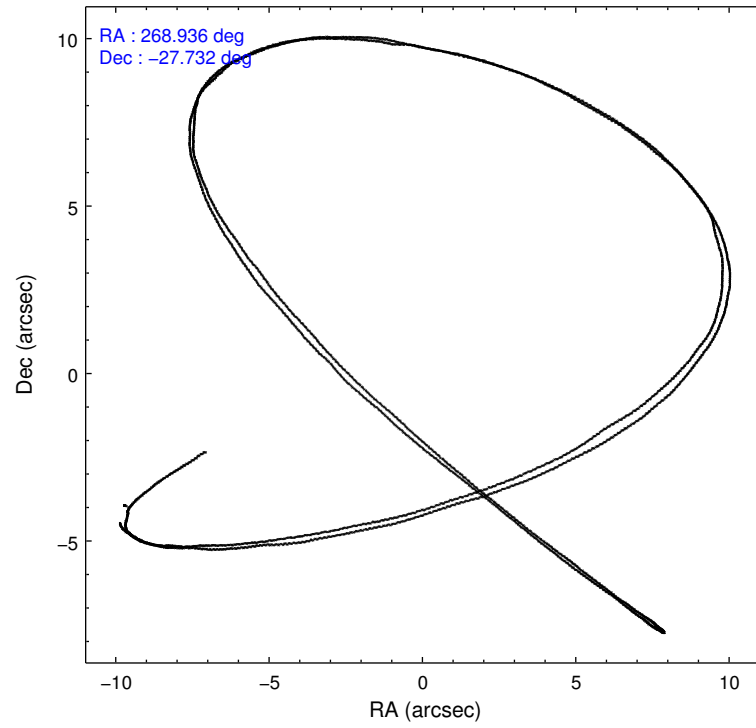
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	17610	19420	20824	19222	22789
rejected events	15574	17286	18890	17342	13698
rejected %	88%	89%	90%	90%	60%

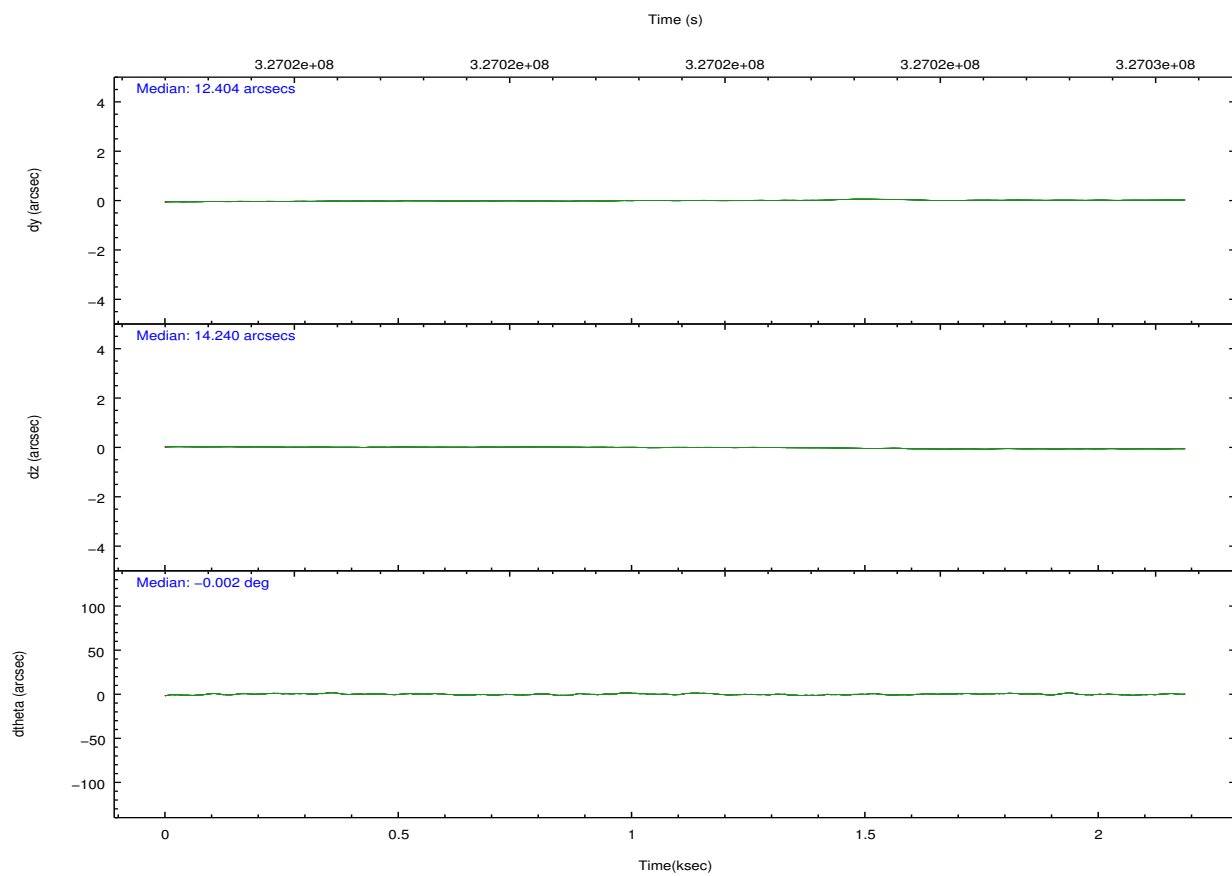
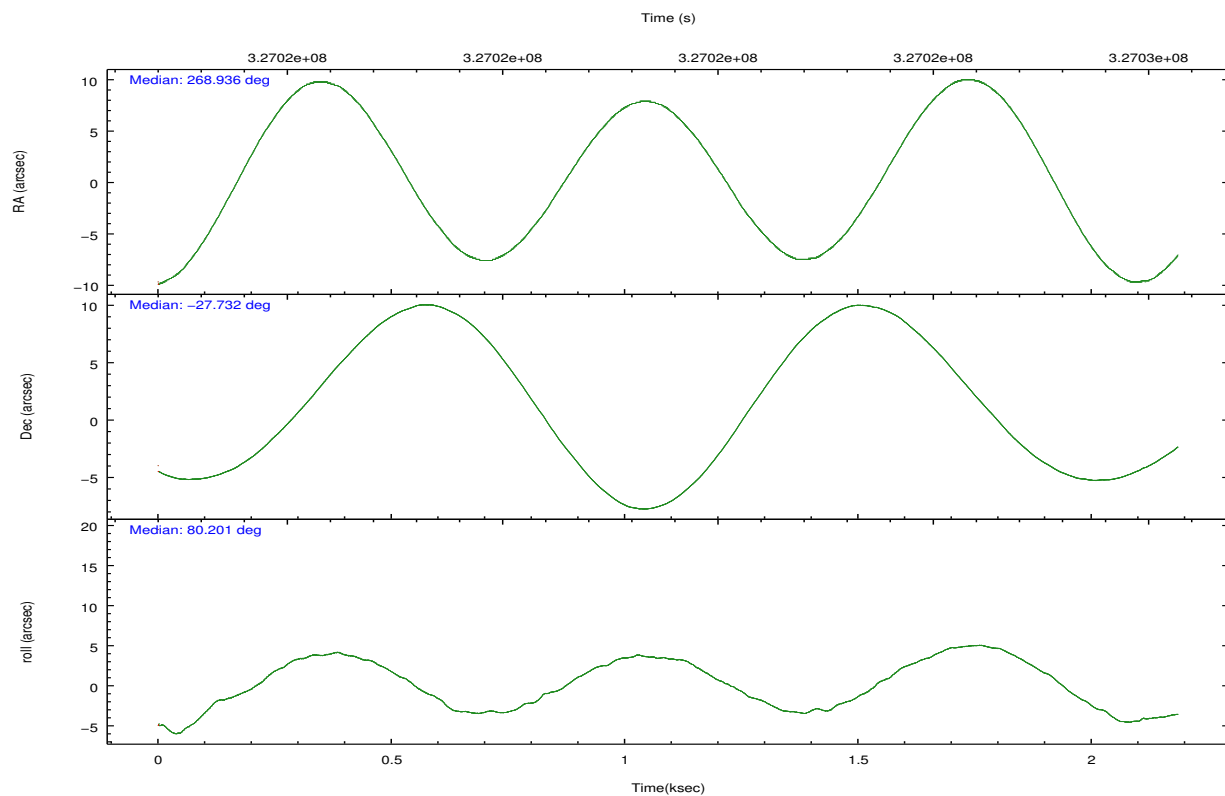
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	933	1022	908	884	1034
	5%	5%	4%	4%	4%
grade 1 events	12	8	15	17	29
	0%	0%	0%	0%	0%
grade 2 events	557	546	519	446	2129
	3%	2%	2%	2%	9%
grade 3 events	231	224	203	231	977
	1%	1%	0%	1%	4%
grade 4 events	247	239	222	224	966
	1%	1%	1%	1%	4%
grade 5 events	657	757	674	774	2345
	3%	3%	3%	4%	10%
grade 6 events	379	423	374	358	5316
	2%	2%	1%	1%	23%
grade 7 events	14594	16201	17909	16288	9993
	82%	83%	86%	84%	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	268.946692	268.9356882035707	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.756901	-27.73127757551815	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004193	80.20776438982466	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)	327023482.184000	327023105.51126	CCD S5 on	N	N
Observation start date	2008-05-12T23:50:17	2008-05-12T23:45:05	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327025482.184000	327025615.73638	On-chip summing requested	N	N
Observation end date	2008-05-13T00:23:37	2008-05-13T00:26:55	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



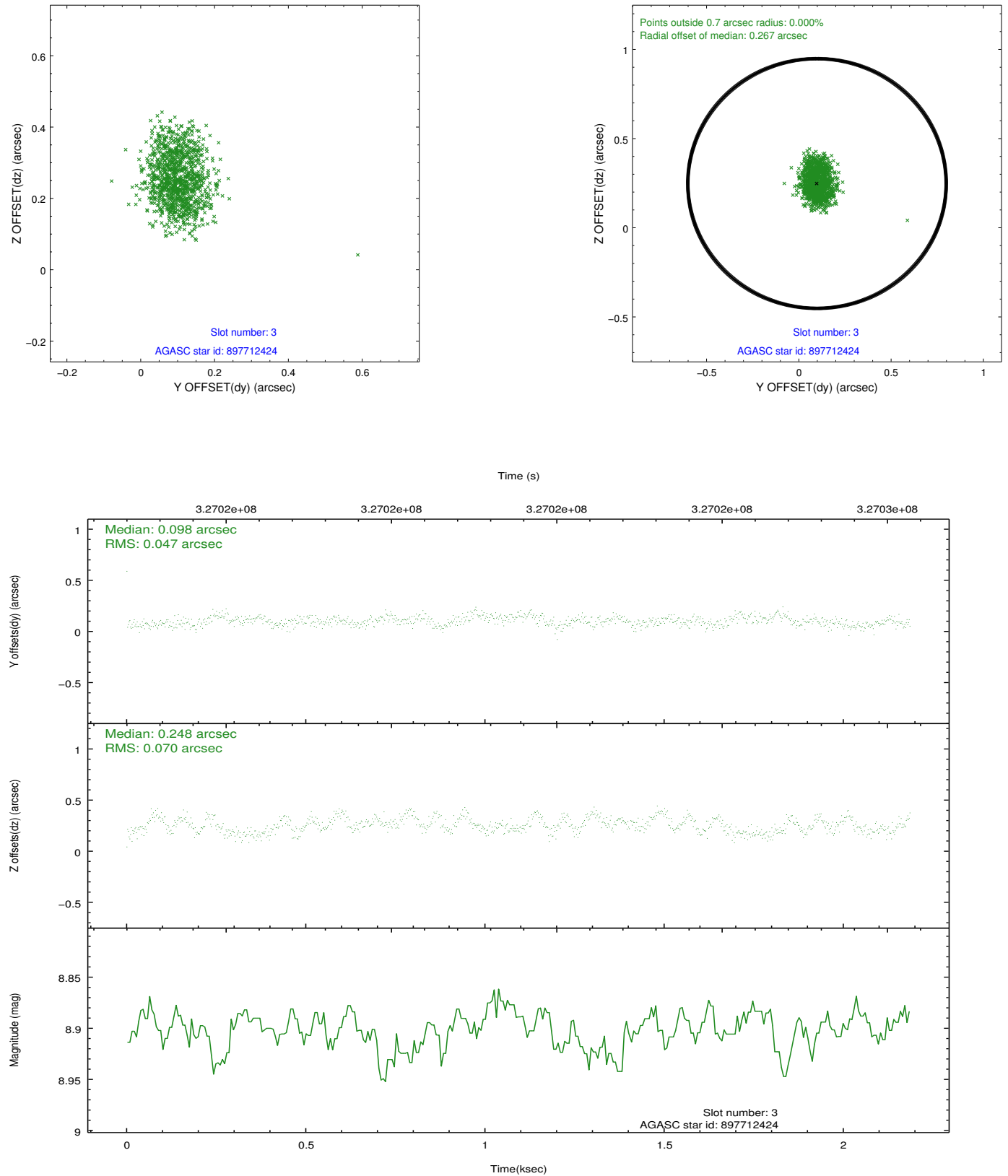


Slot Statistics

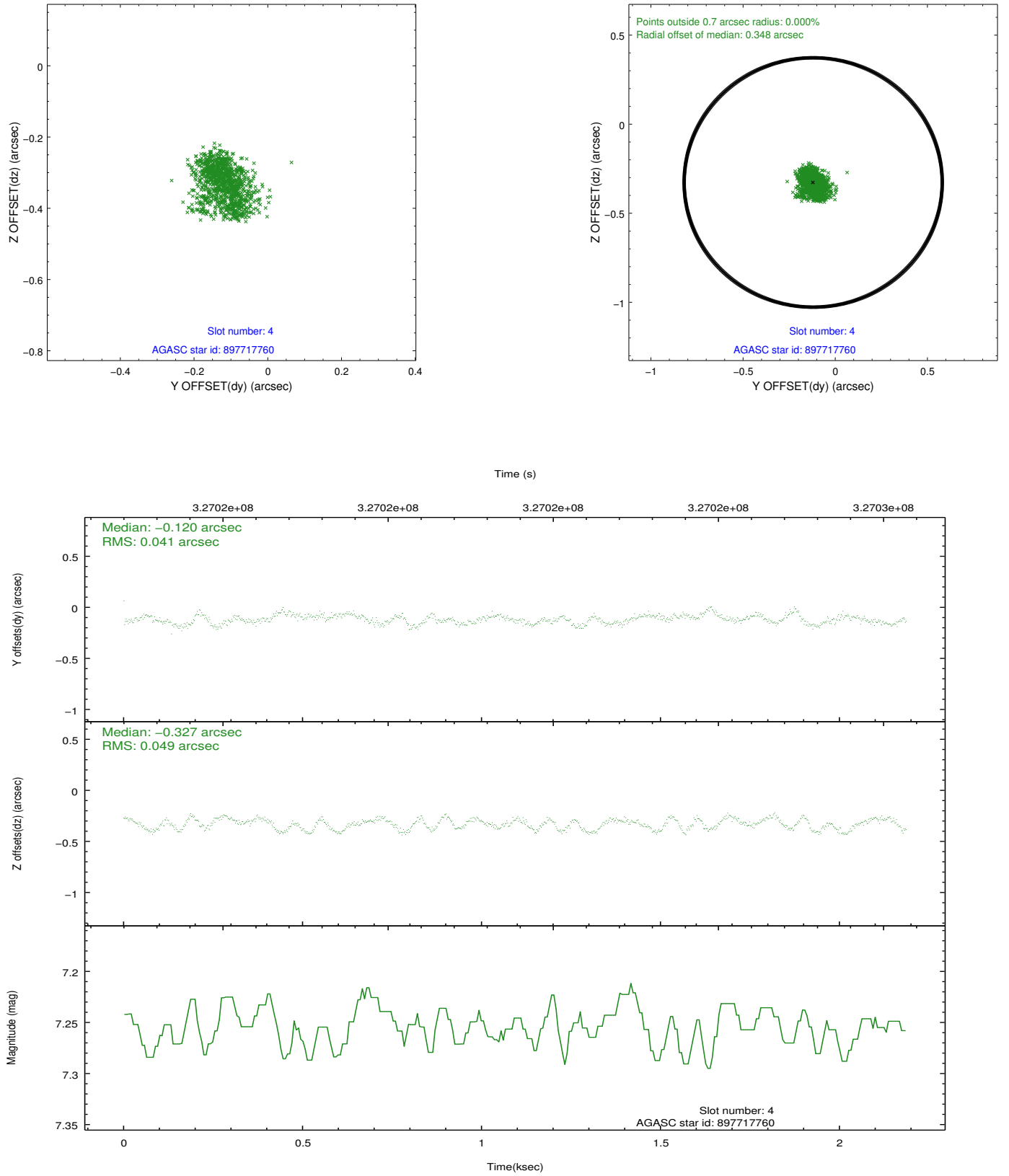
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-4	6.94	534	0.124	0.024	0.007	0.012	0.000000	0.000000	2147.21	1062.10
1	FID	ACIS-I-5	6.99	534	-0.223	0.020	0.007	0.012	0.000000	0.000000	-1817.27	1061.76
2	FID	ACIS-I-6	7.00	534	-0.001	0.023	0.009	0.014	0.000000	0.000000	389.43	1706.10
3	GUIDE	897712424	8.90	1065	0.098	0.248	0.089	0.144	269.567786	-28.090711	-844.86	-2152.20
4	GUIDE	897717760	7.26	1067	-0.120	-0.327	0.070	0.105	268.392593	-27.282645	1369.49	2039.17
5	GUIDE	897720600	8.24	1067	-0.098	-0.200	0.086	0.140	268.319864	-27.628963	103.19	2049.52
6	GUIDE	897721048	7.77	1067	-0.041	0.157	0.069	0.105	268.989561	-28.030814	-946.58	-303.64
7	GUIDE	898236888	8.70	1066	0.157	0.129	0.076	0.122	269.539947	-28.141730	-1041.66	-2096.50

2.4 Star Slots

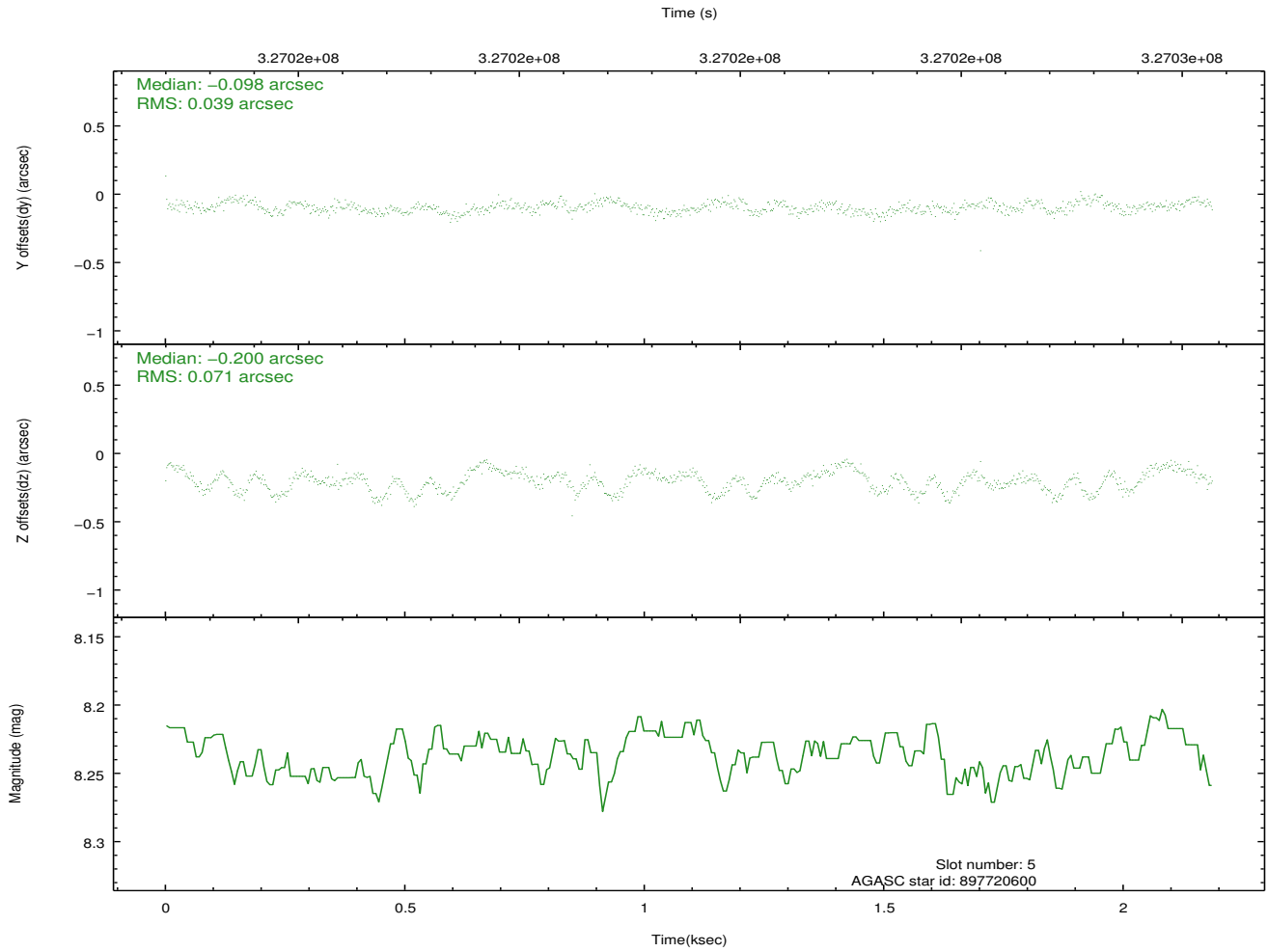
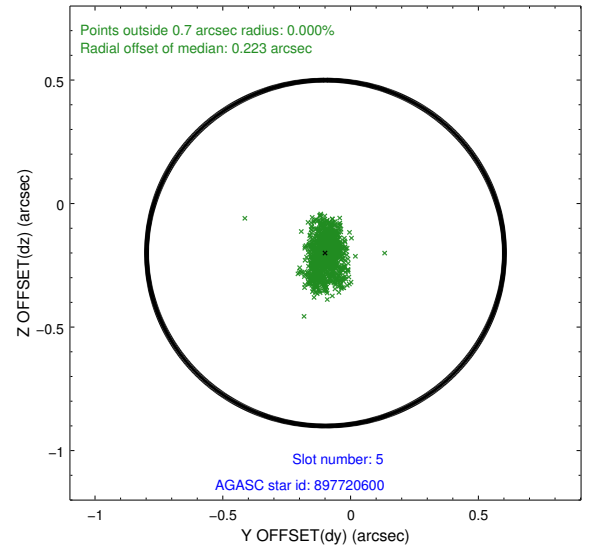
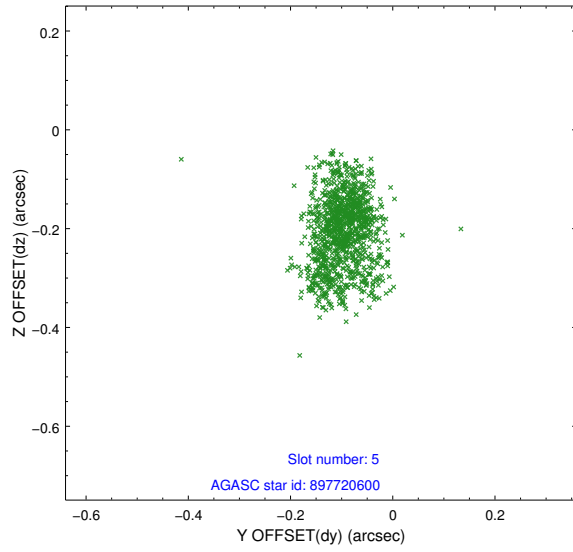
2.4.1 Slot 3



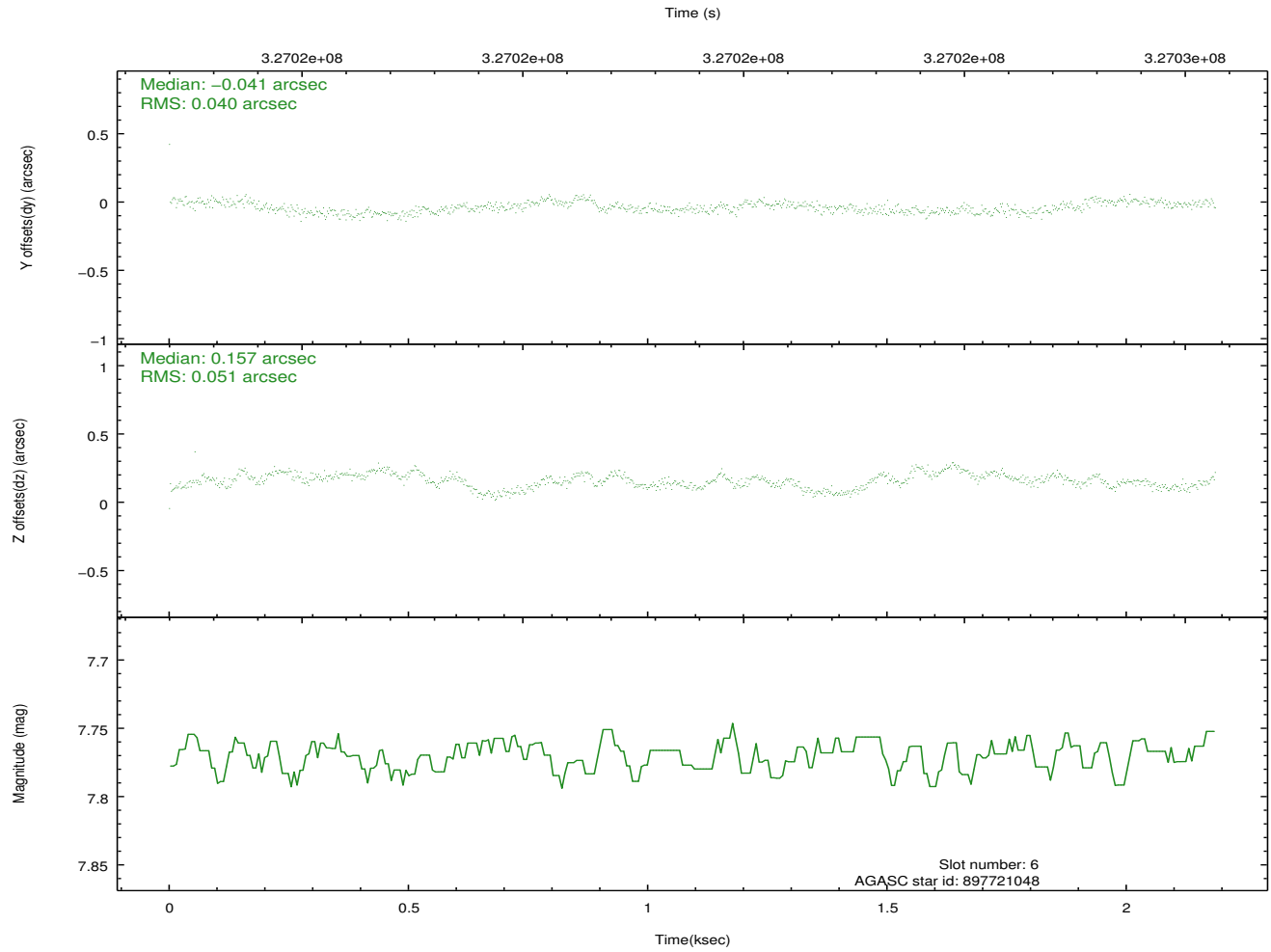
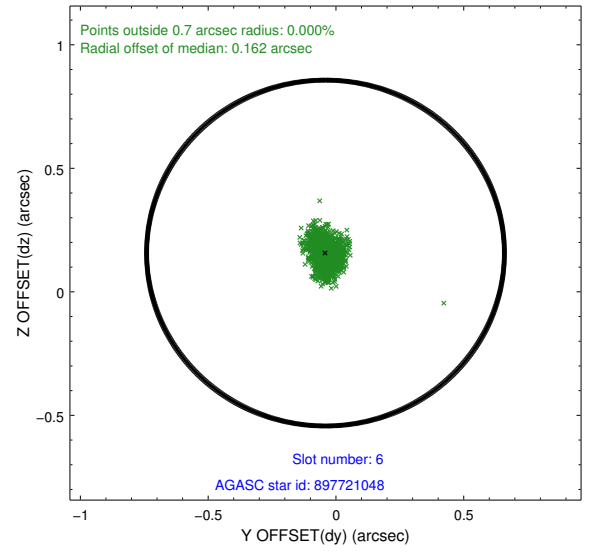
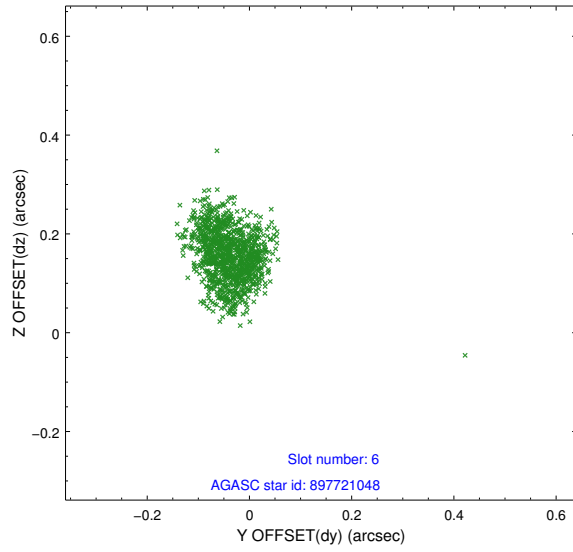
2.4.2 Slot 4



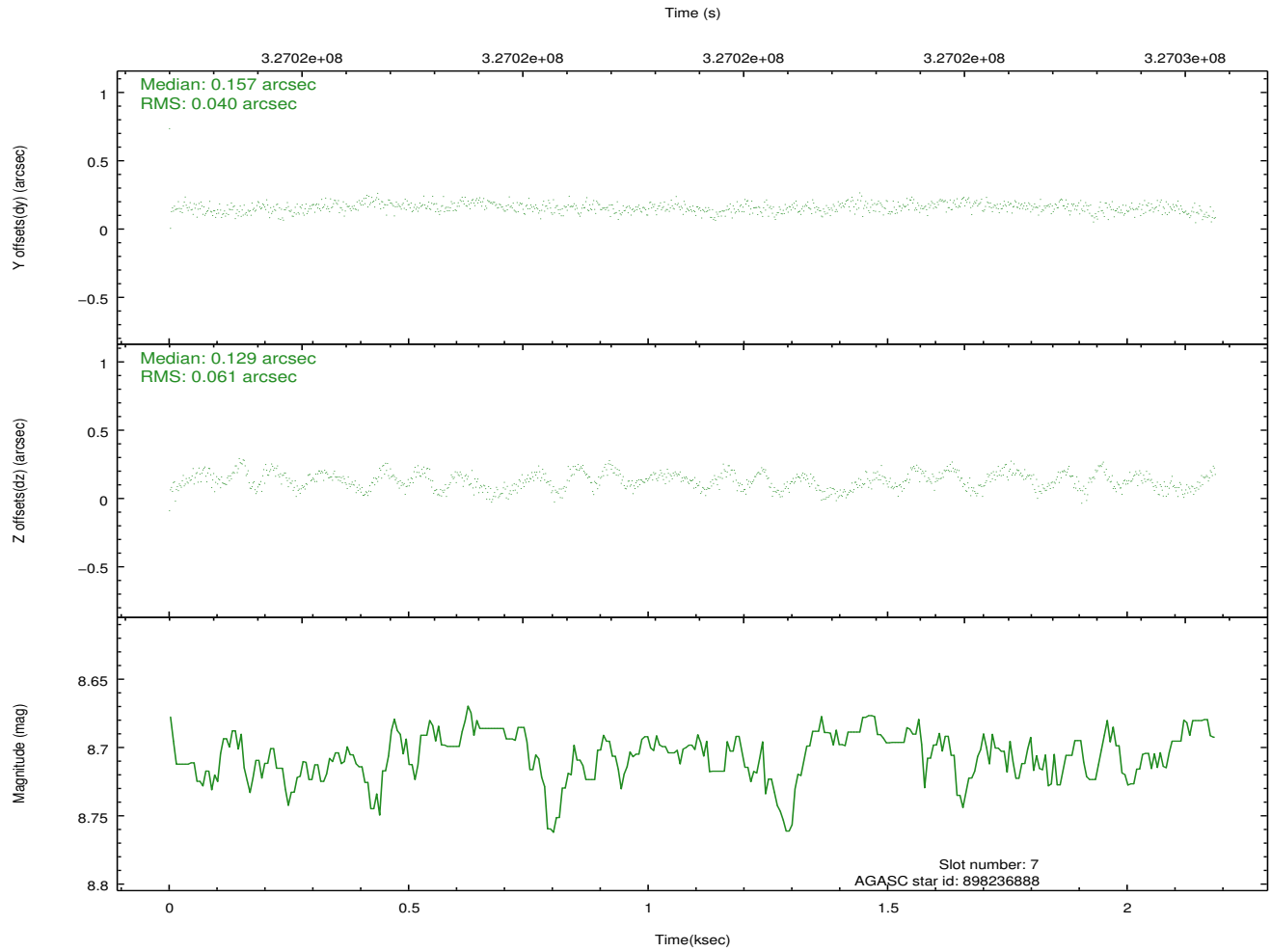
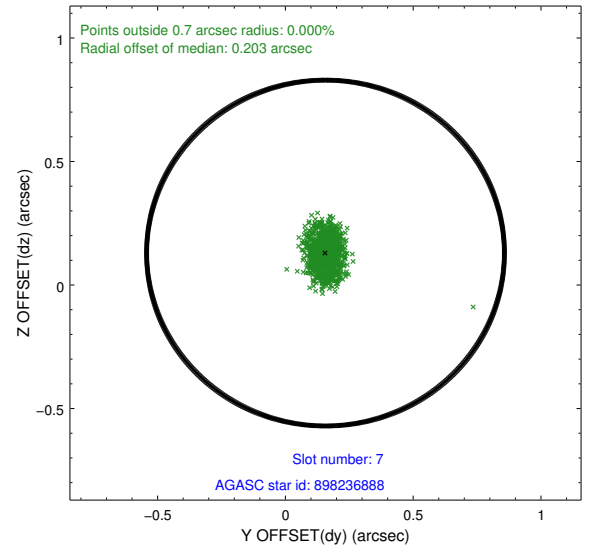
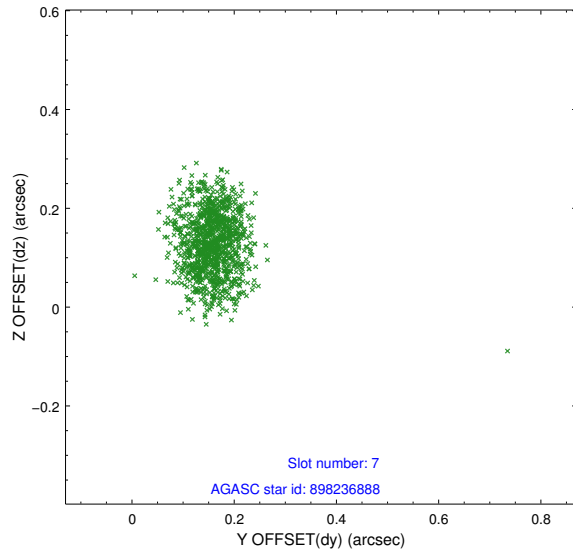
2.4.3 Slot 5



2.4.4 Slot 6

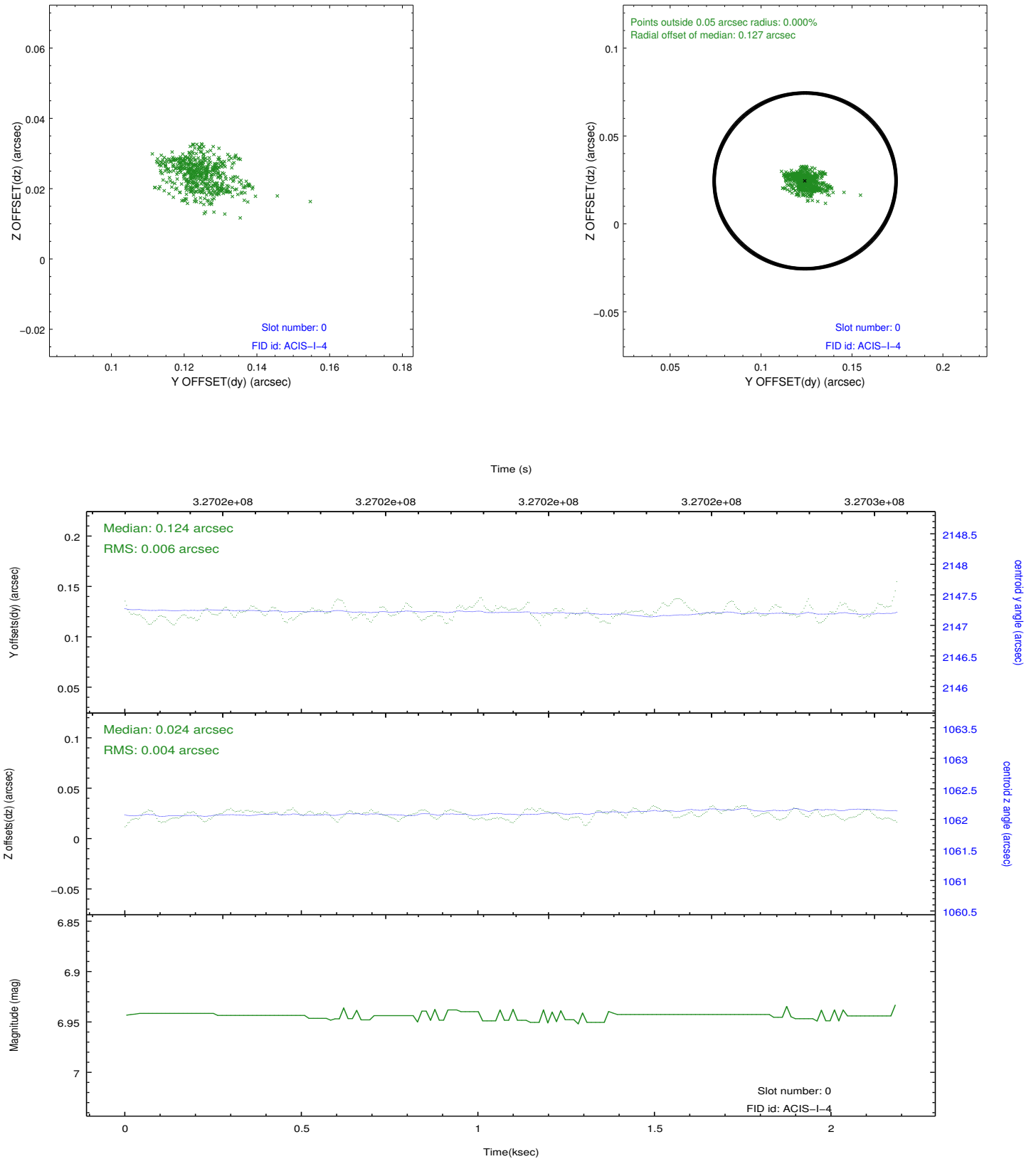


2.4.5 Slot 7

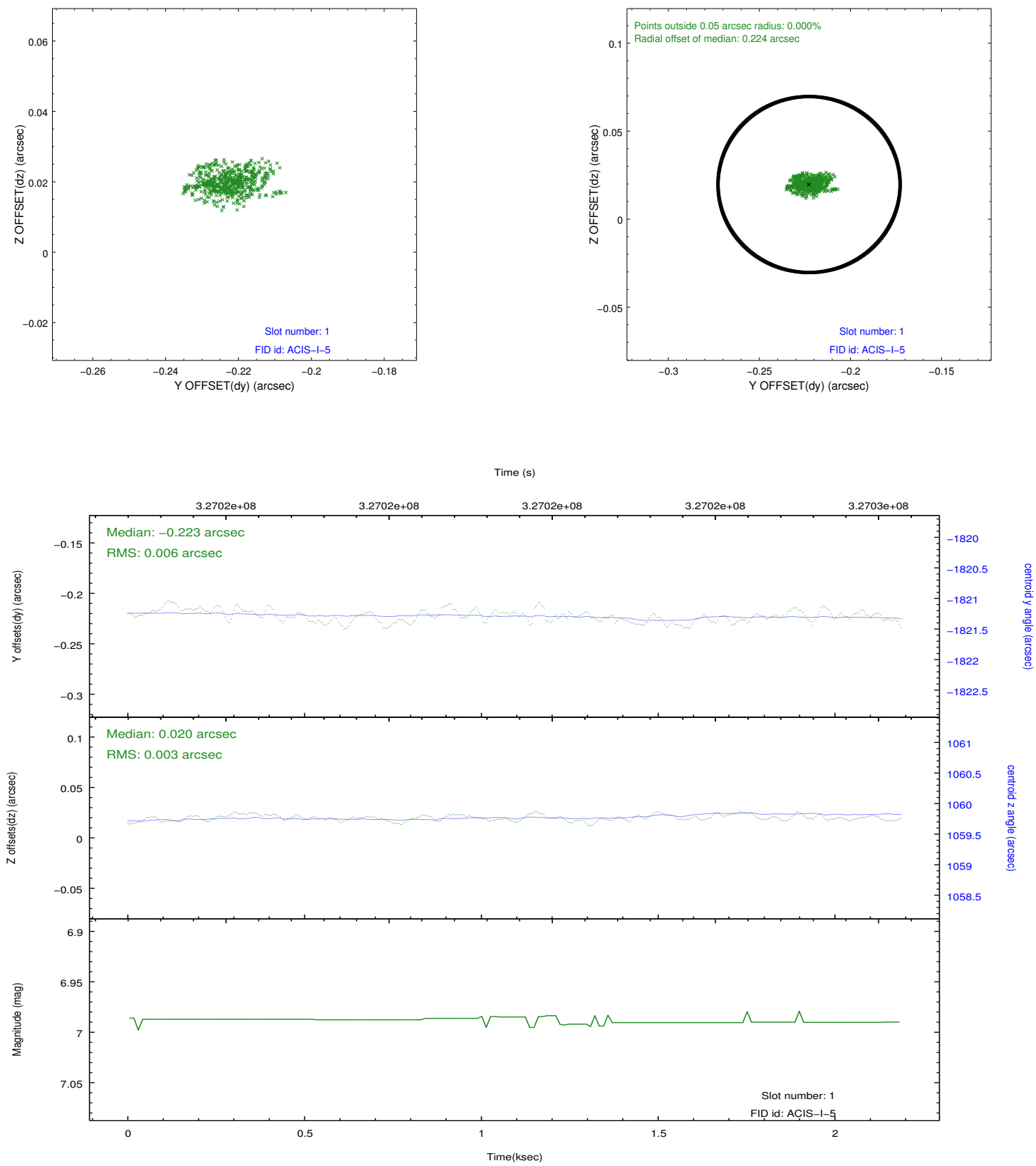


2.5 FID Slots

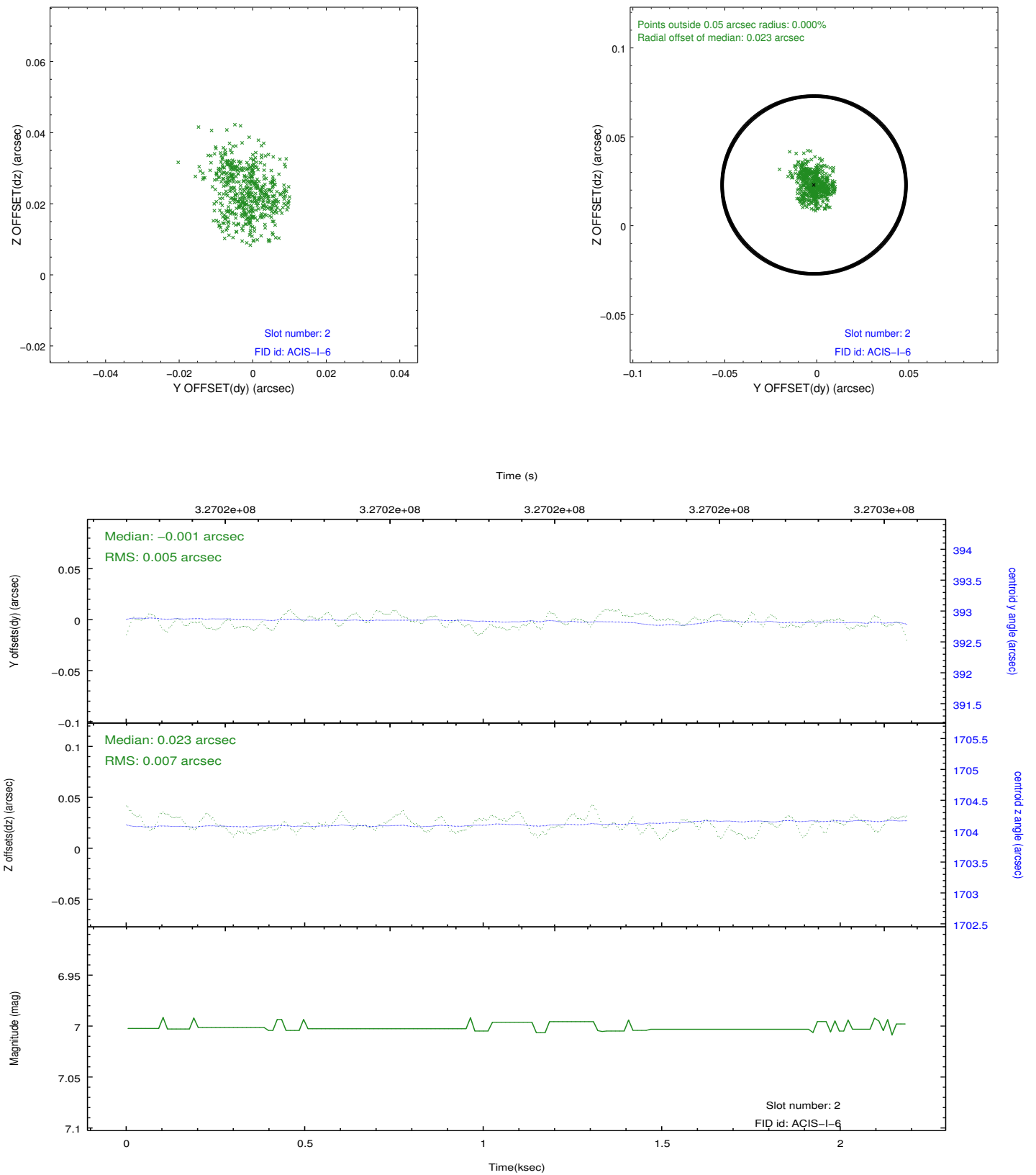
2.5.1 Slot 0



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	2.18550001

A.2 Comments

Joint proposal with NOAO.