

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8712 - L2 Version 2
Chandra X-Ray Center

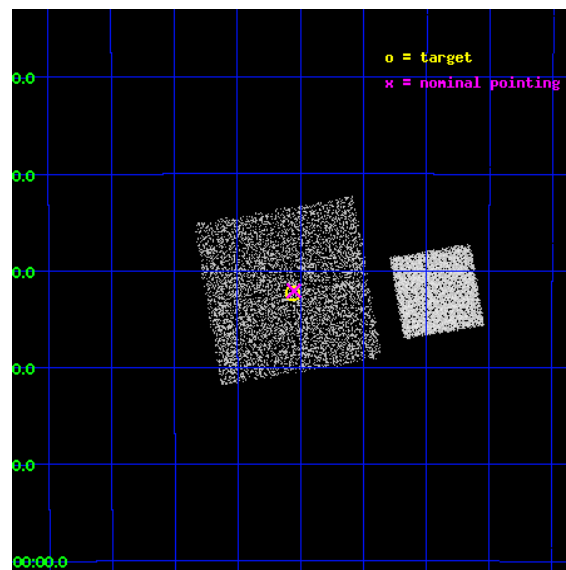
L2 Processing Date : May 14 2012

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1 Front

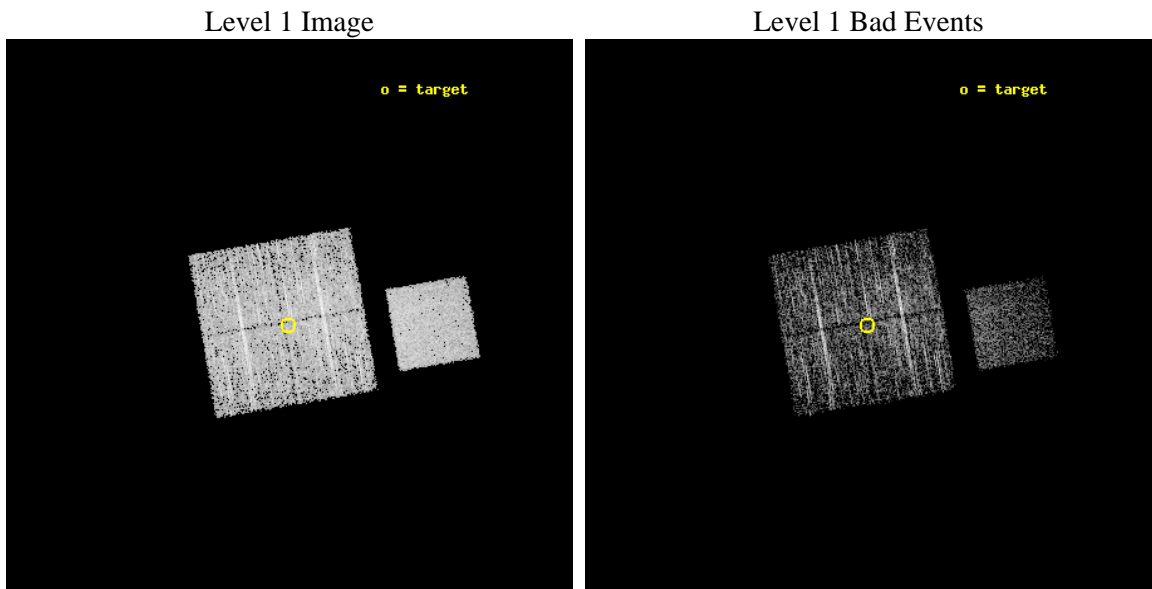
seq_num	400763	Sequence number
obs_id	8712	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.139844	Observer's specified target RA [deg]
dec_targ	-28.539818	Observer's specified target Dec [deg]
ra_nom	268.13798633756	Nominal RA [deg]
dec_nom	-28.534956529234	Nominal Dec [deg]
roll_nom	80.207801307652	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2188.6000168324	Sum of GTIs [s]
ontime1	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
ontime7	2188.6000168324	Sum of GTIs [s]
l2events	17153	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	2188.6000168324	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2188.6000168324	Sum of GTIs [s]
date	2012-05-14T23:20:53	Date and time of file creation	ontime1	2188.6000168324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2188.6000168324	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			ontime7	2188.6000168324	Sum of GTIs [s]
			l1events	103391	Number of level 1 events

2.1.4 Events

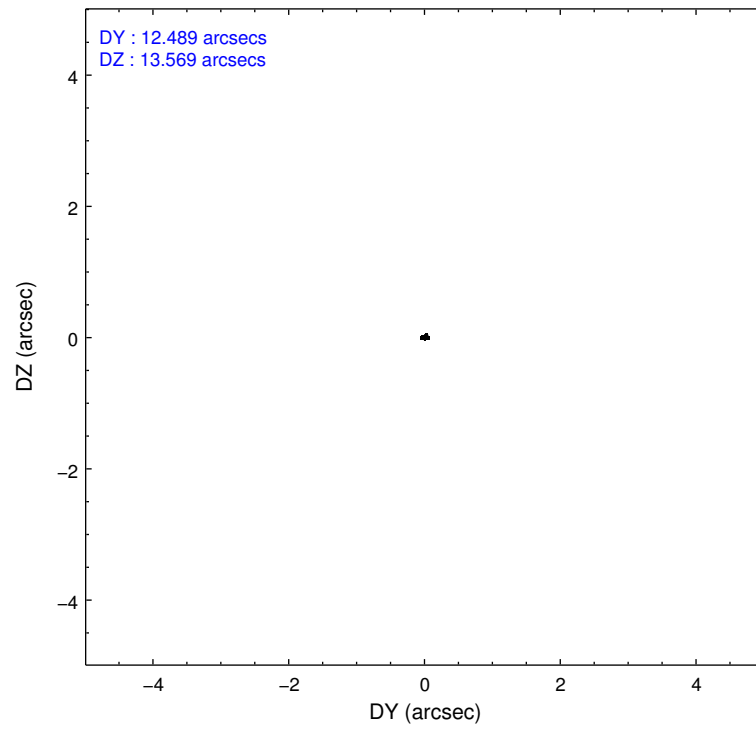
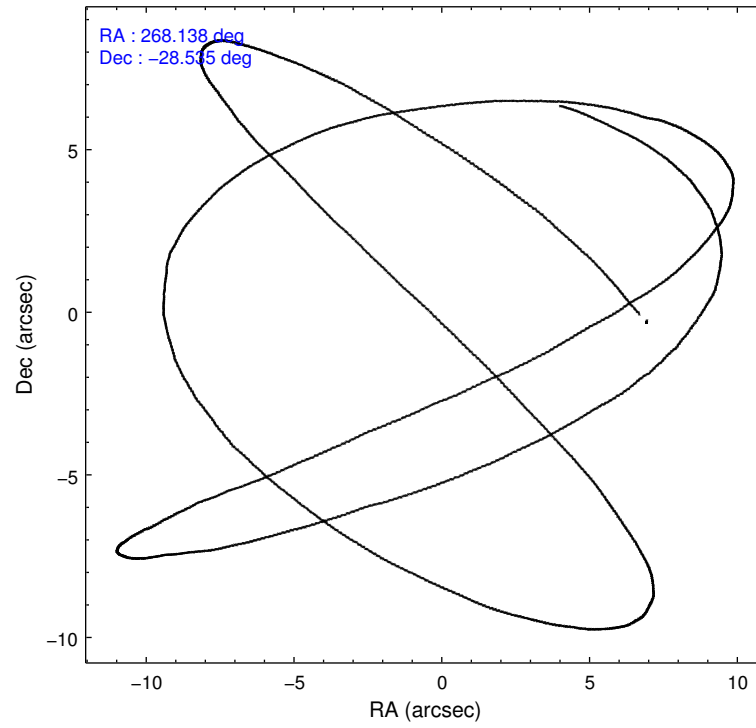
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19337	18826	21431	20741	23056
rejected events	17094	16390	19191	18516	13421
rejected %	88%	87%	89%	89%	58%

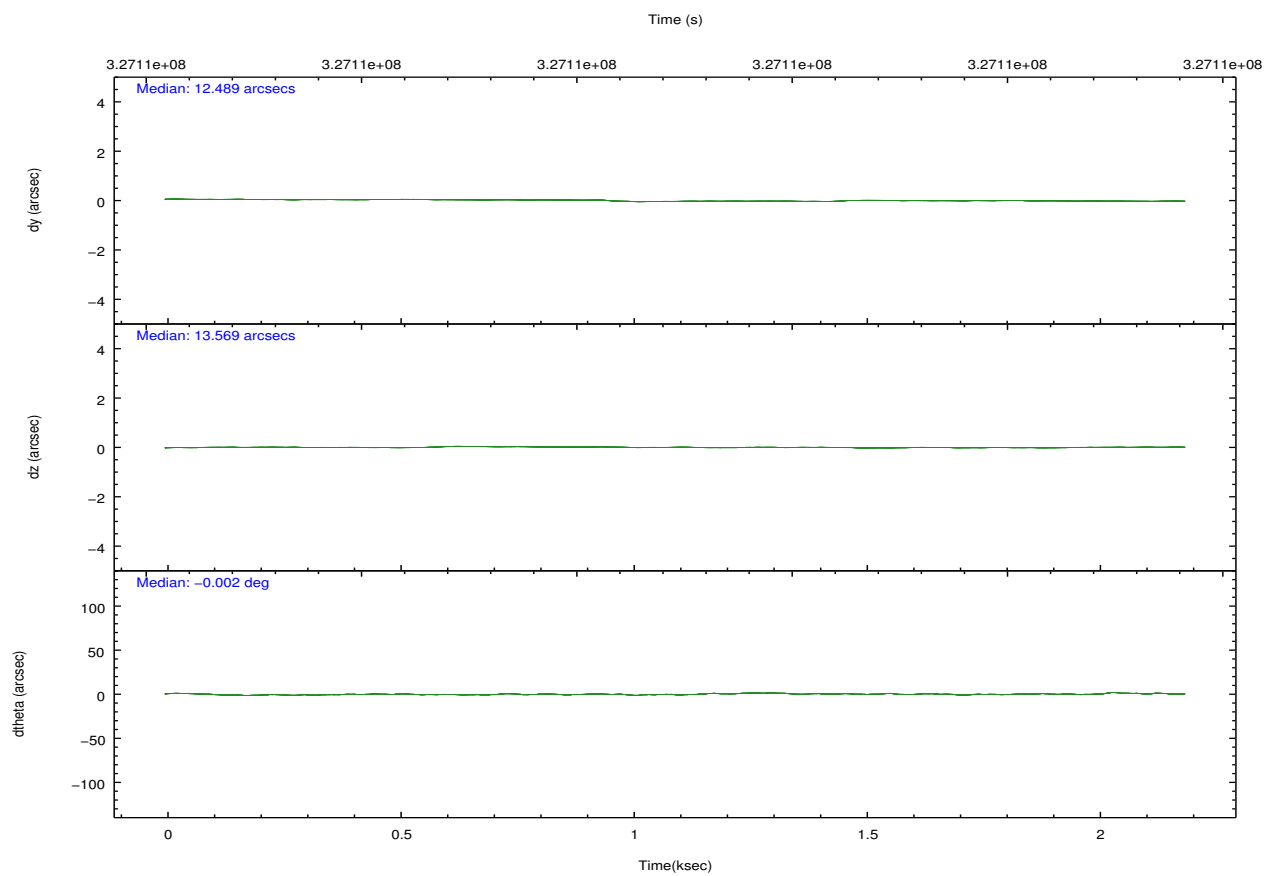
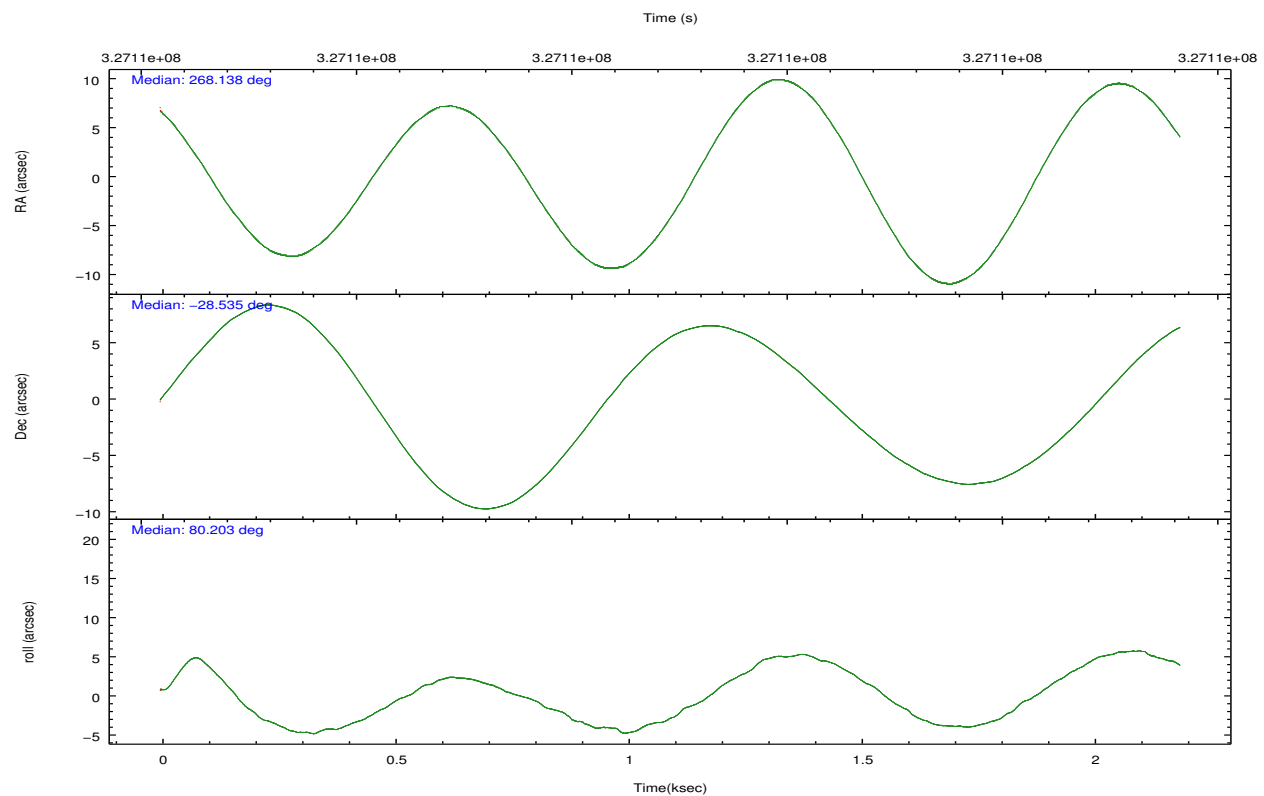
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1098	1188	1230	1168	1154
	5%	6%	5%	5%	5%
grade 1 events	10	15	24	11	32
	0%	0%	0%	0%	0%
grade 2 events	554	541	564	497	2341
	2%	2%	2%	2%	10%
grade 3 events	249	286	214	252	1029
	1%	1%	0%	1%	4%
grade 4 events	224	255	205	237	1017
	1%	1%	0%	1%	4%
grade 5 events	722	815	649	801	2388
	3%	4%	3%	3%	10%
grade 6 events	422	512	355	401	5454
	2%	2%	1%	1%	23%
grade 7 events	16058	15214	18190	17374	9641
	83%	80%	84%	83%	41%

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	268.148921	268.1379863375572	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.560857	-28.53495652923386	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004342	80.20780130765229	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)	327108822.184000	327108445.99042	CCD S5 on	N	N
Observation start date	2008-05-13T23:32:37	2008-05-13T23:27:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327110822.184000	327110955.70304	On-chip summing requested	N	N
Observation end date	2008-05-14T00:05:57	2008-05-14T00:09:15	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



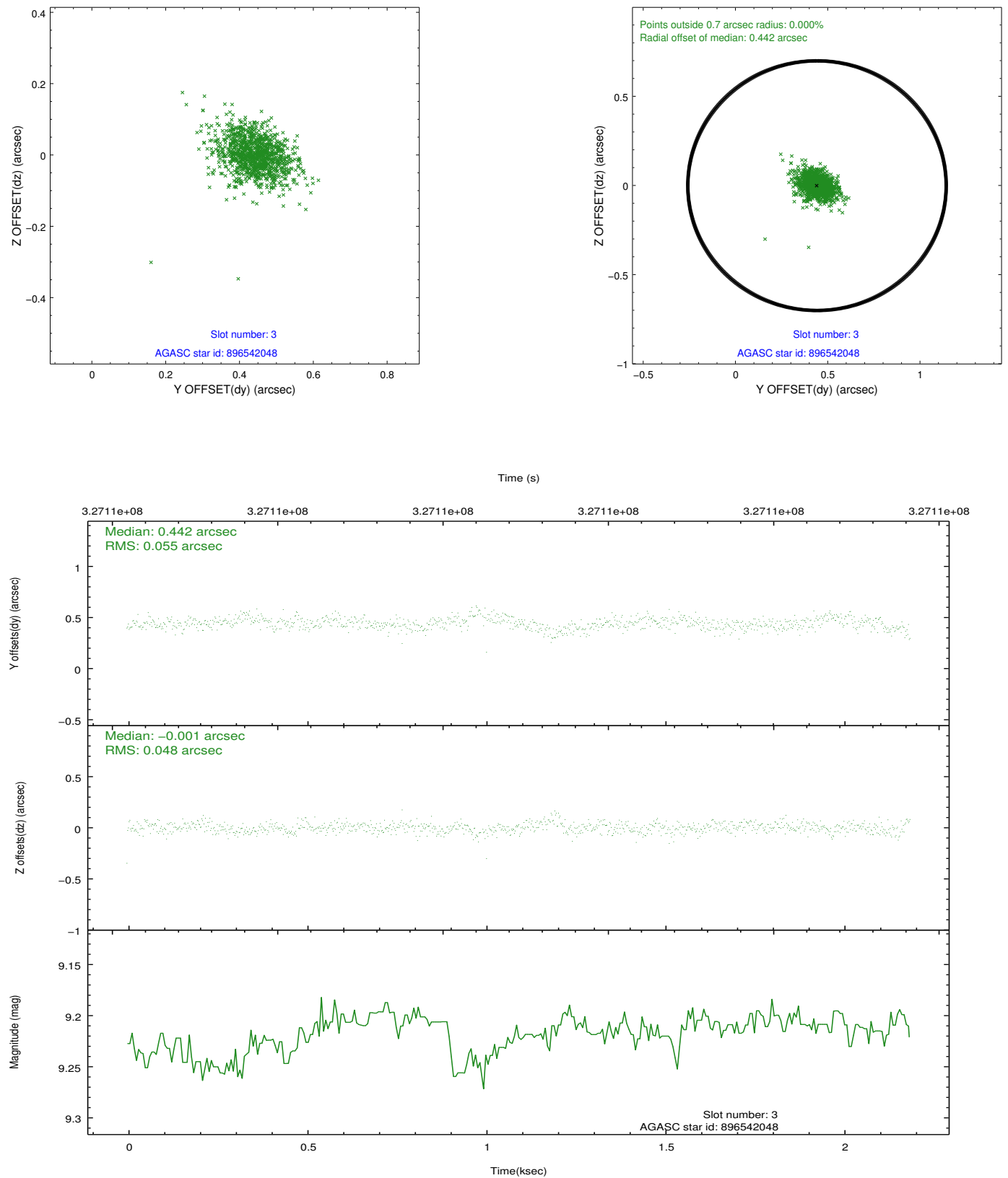


Slot Statistics

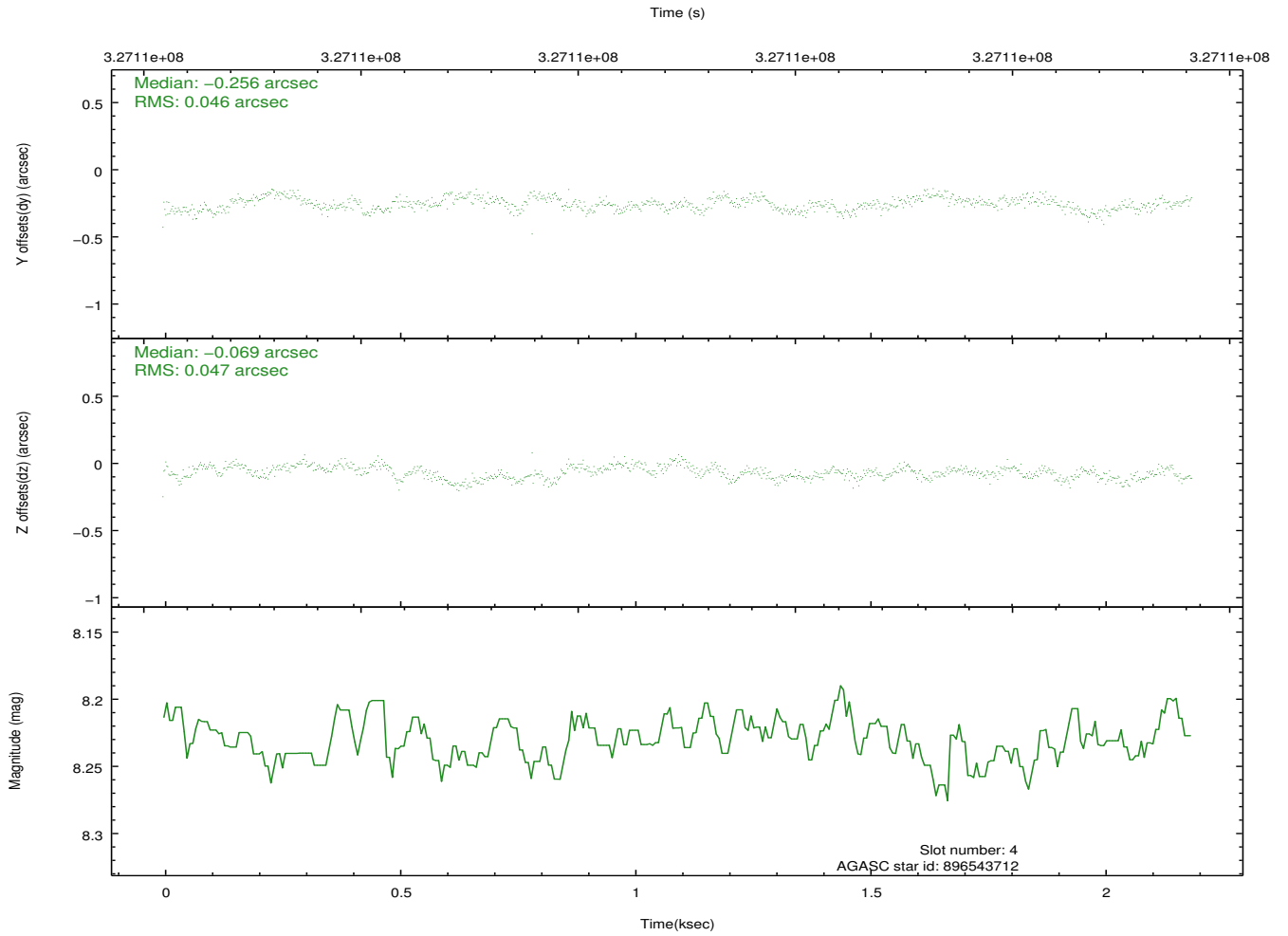
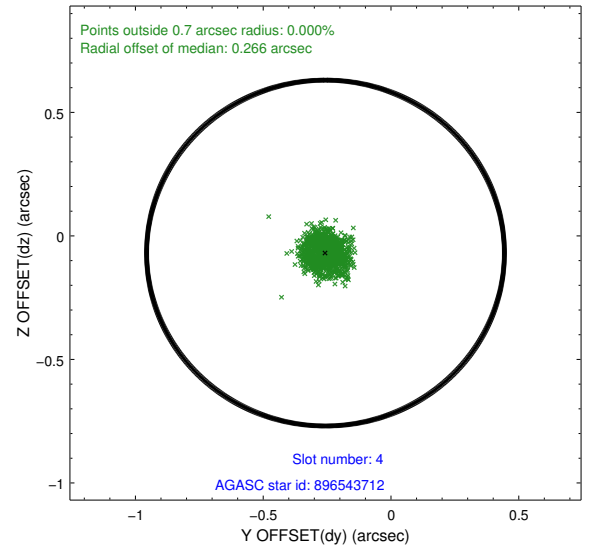
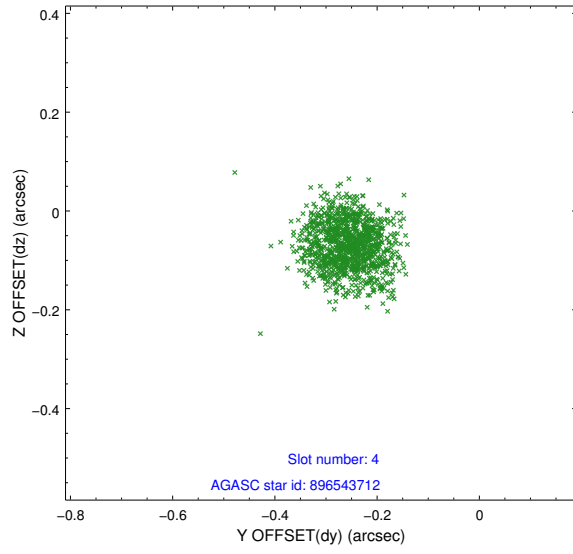
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	534	0.006	0.046	0.008	0.013	0.000000	0.000000	927.05	-837.08
1	FID	ACIS-I-5	7.04	534	-0.154	0.036	0.008	0.013	0.000000	0.000000	-1819.59	1058.89
2	FID	ACIS-I-6	7.05	534	0.057	-0.010	0.009	0.013	0.000000	0.000000	389.38	1706.74
3	GUIDE	896542048	9.22	1066	0.442	-0.001	0.072	0.128	267.742937	-29.132026	-2248.71	899.96
4	GUIDE	896543712	8.23	1068	-0.256	-0.069	0.070	0.109	267.764551	-28.659720	-565.97	1134.47
5	GUIDE	897712584	6.62	1068	-0.208	-0.197	0.071	0.109	268.003029	-28.022394	1827.18	794.16
6	GUIDE	898238128	7.71	1068	0.129	0.087	0.059	0.091	268.450740	-28.688500	-286.68	-1017.78
7	GUIDE	897721048	7.79	1067	-0.116	0.181	0.076	0.134	268.989561	-28.030814	2333.29	-2301.76

2.4 Star Slots

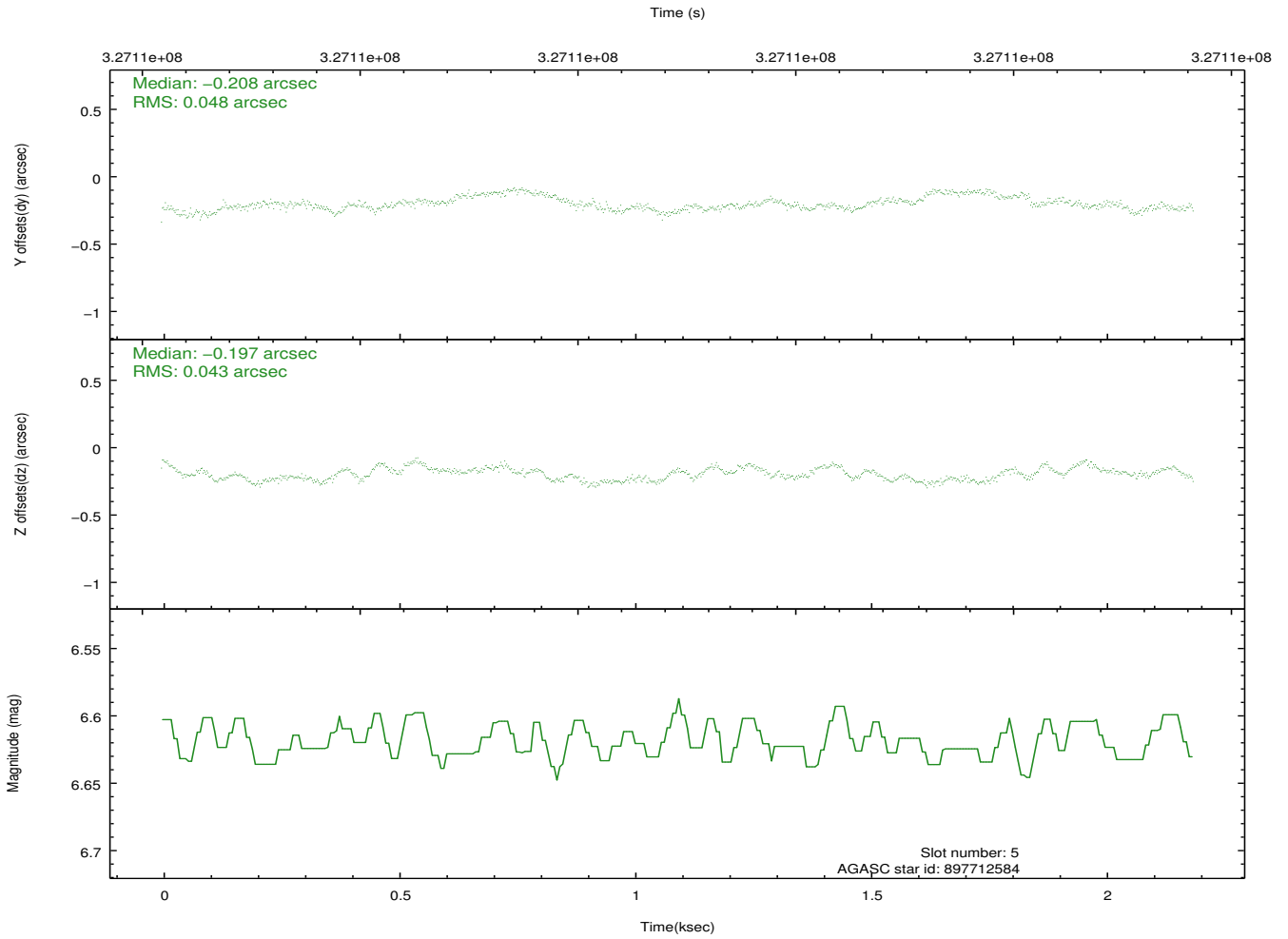
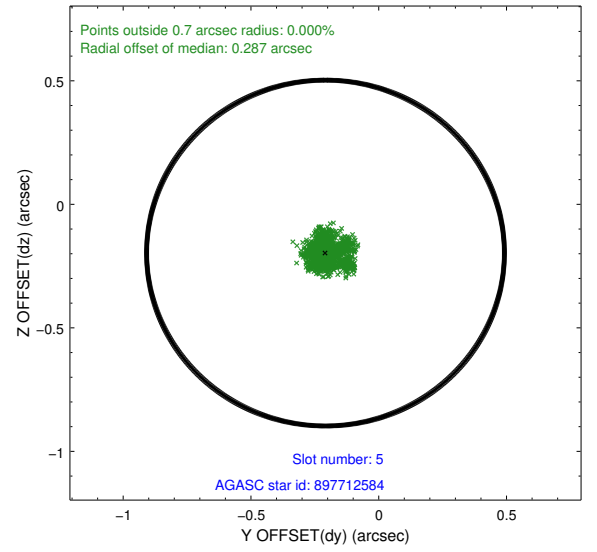
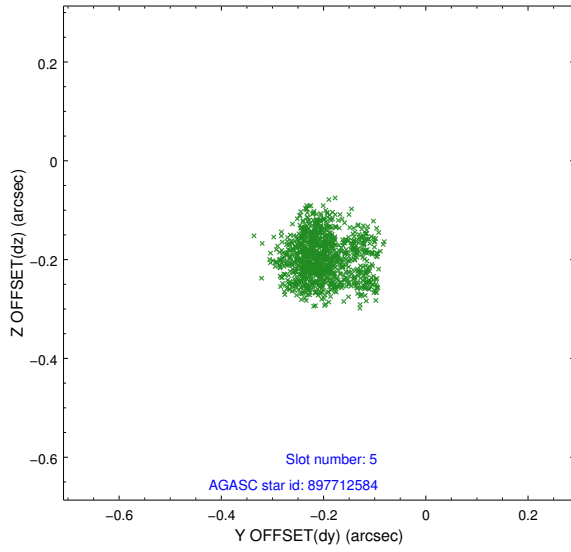
2.4.1 Slot 3



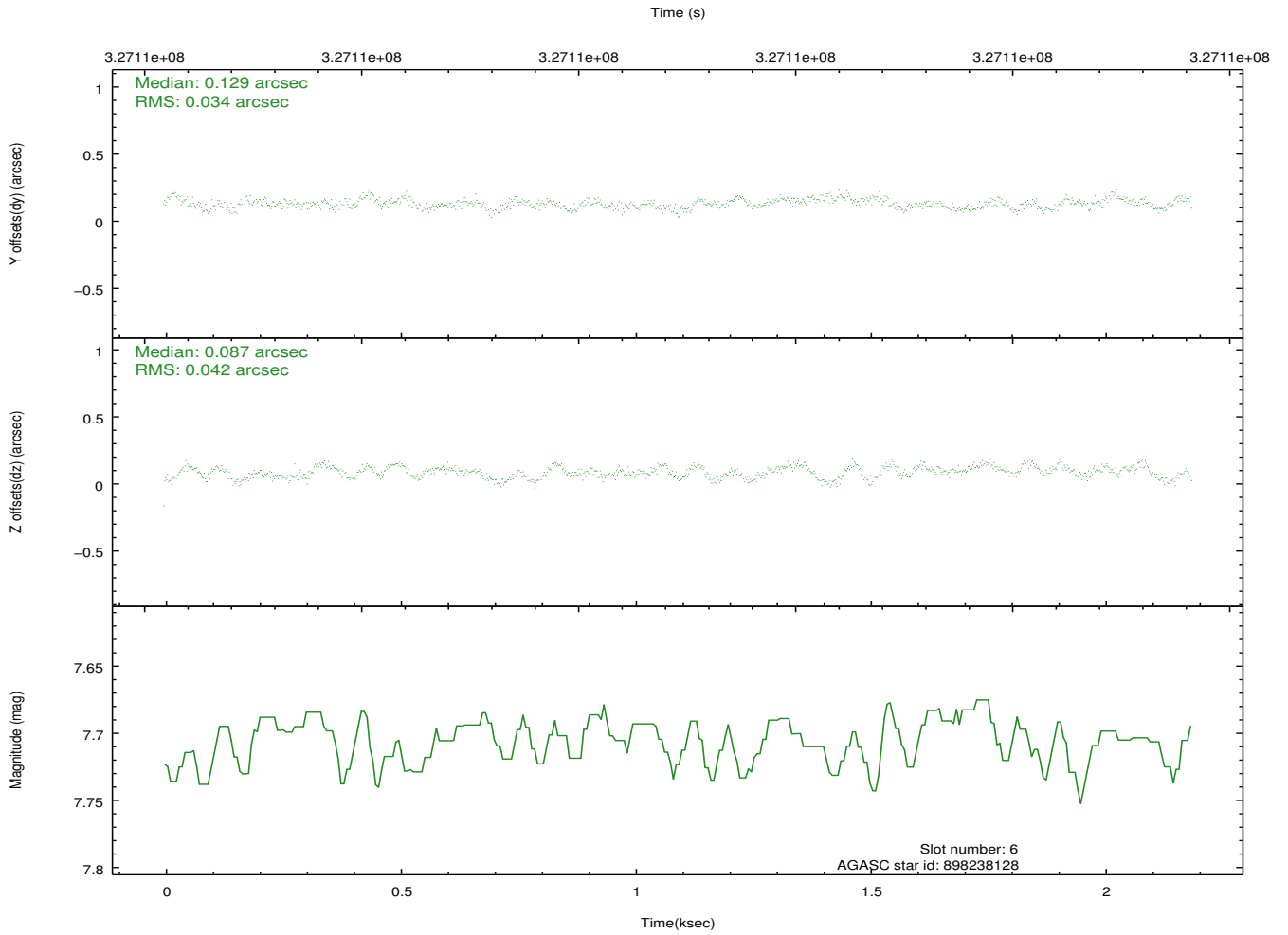
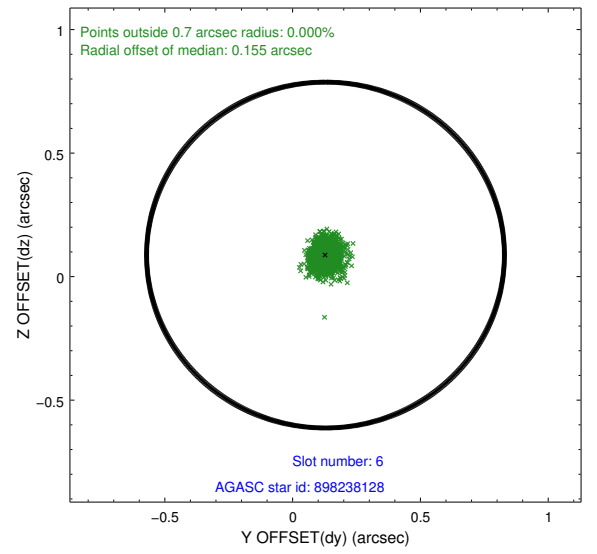
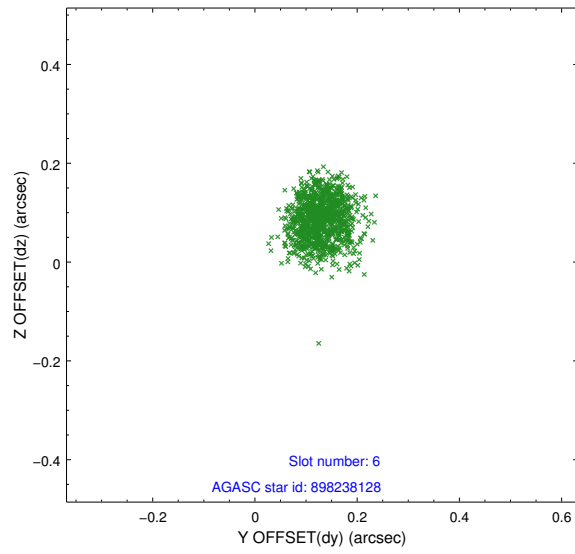
2.4.2 Slot 4



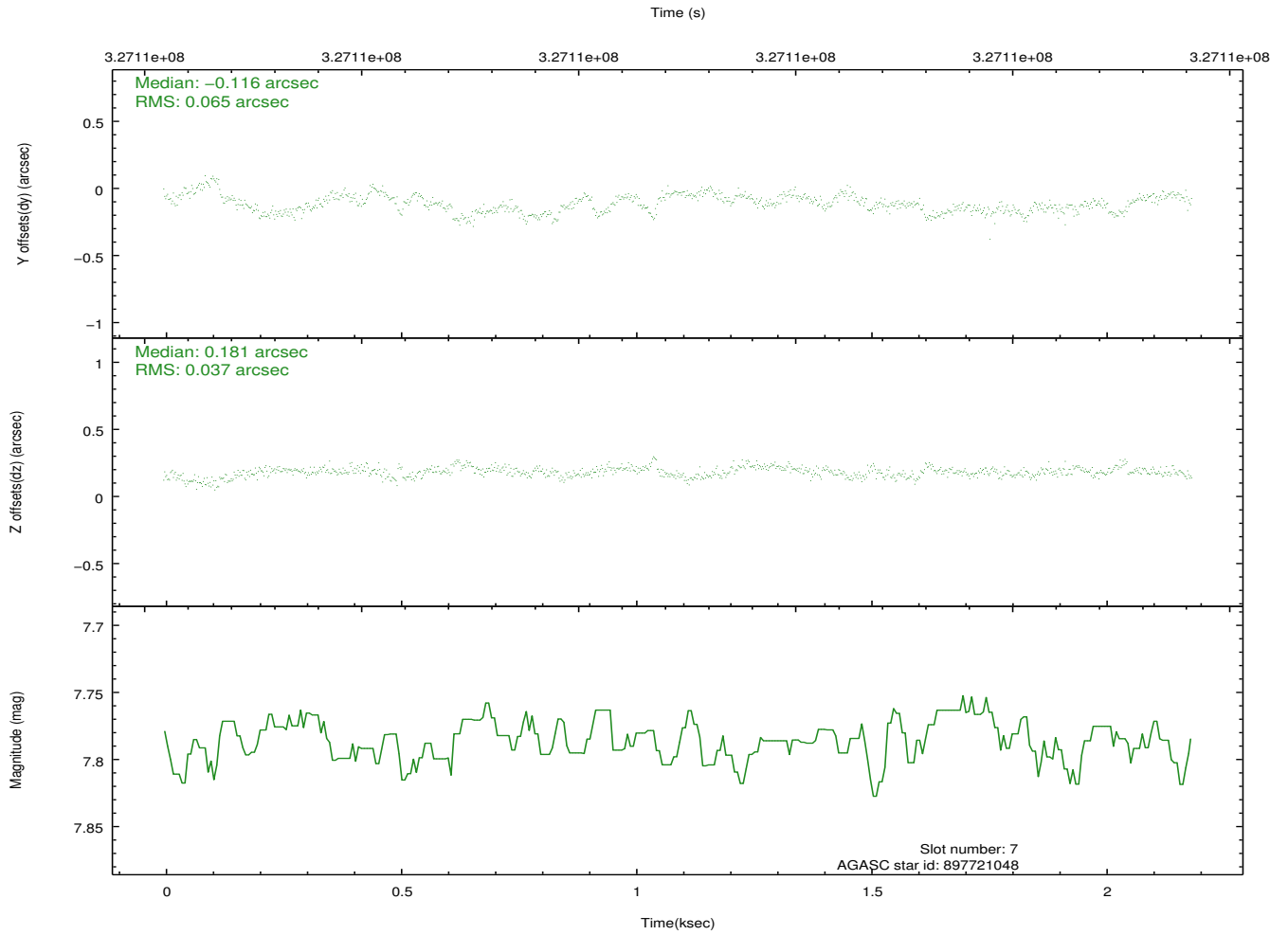
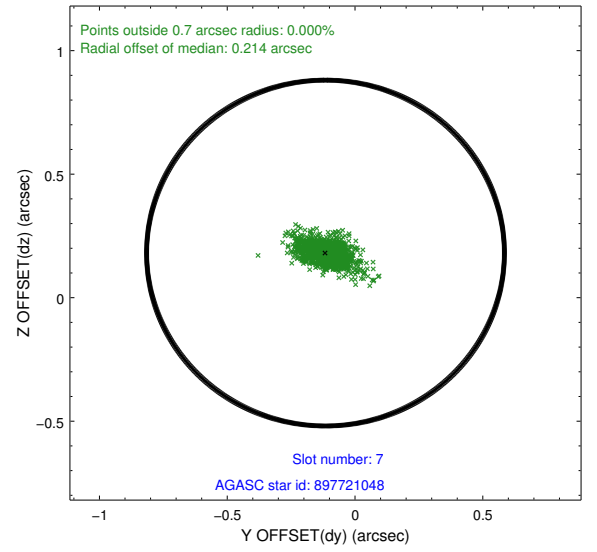
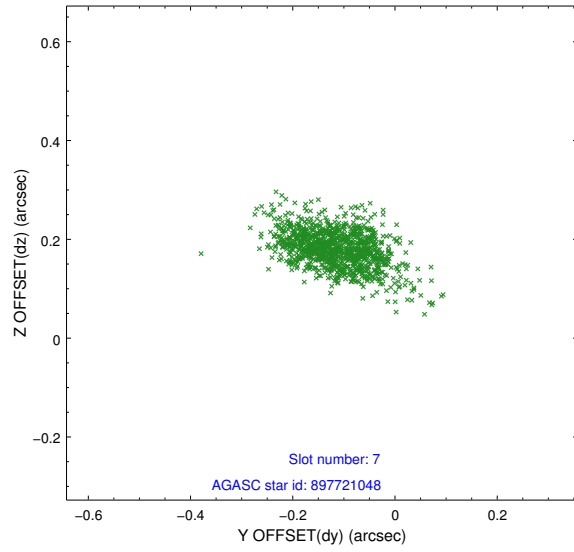
2.4.3 Slot 5



2.4.4 Slot 6

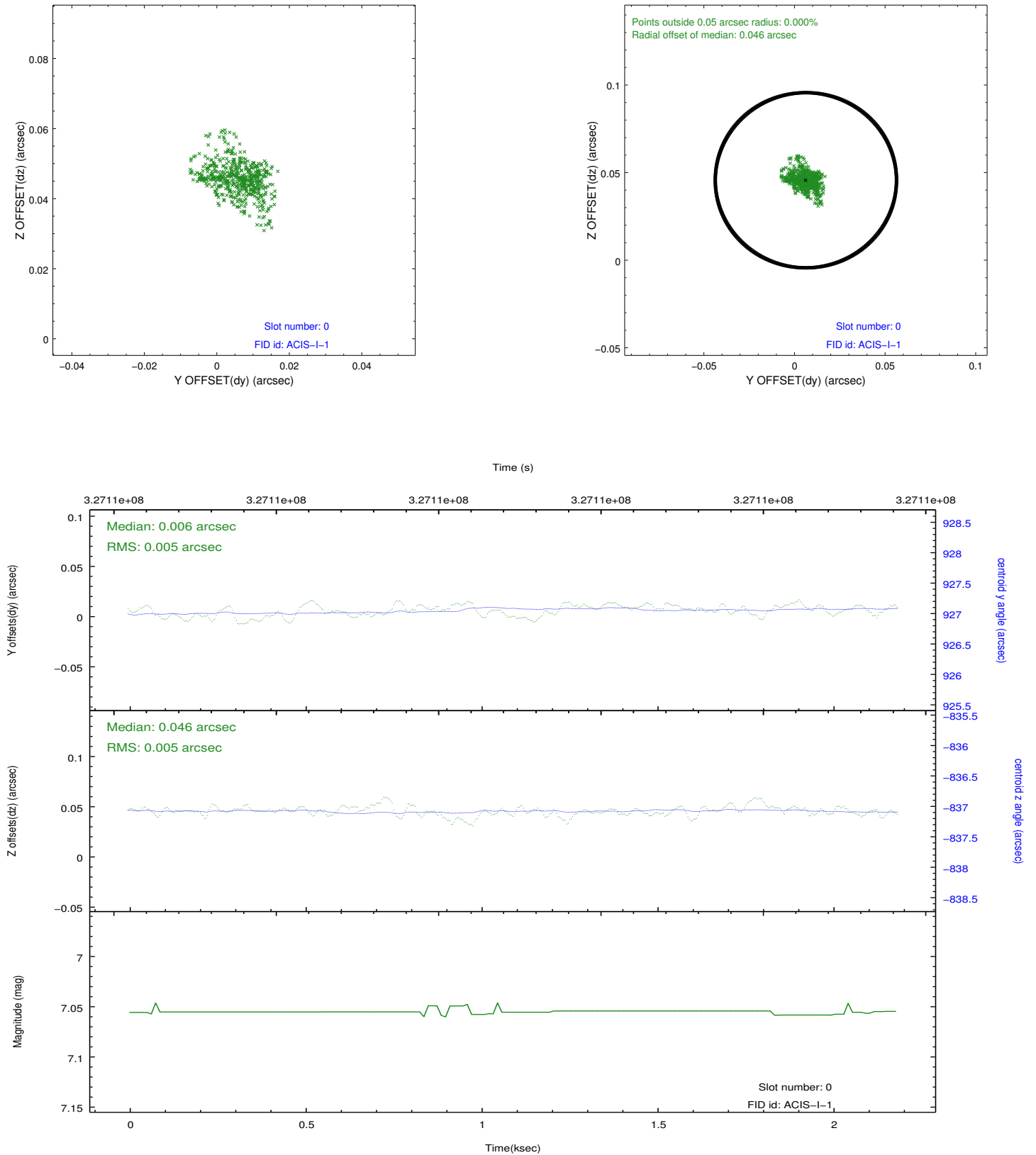


2.4.5 Slot 7

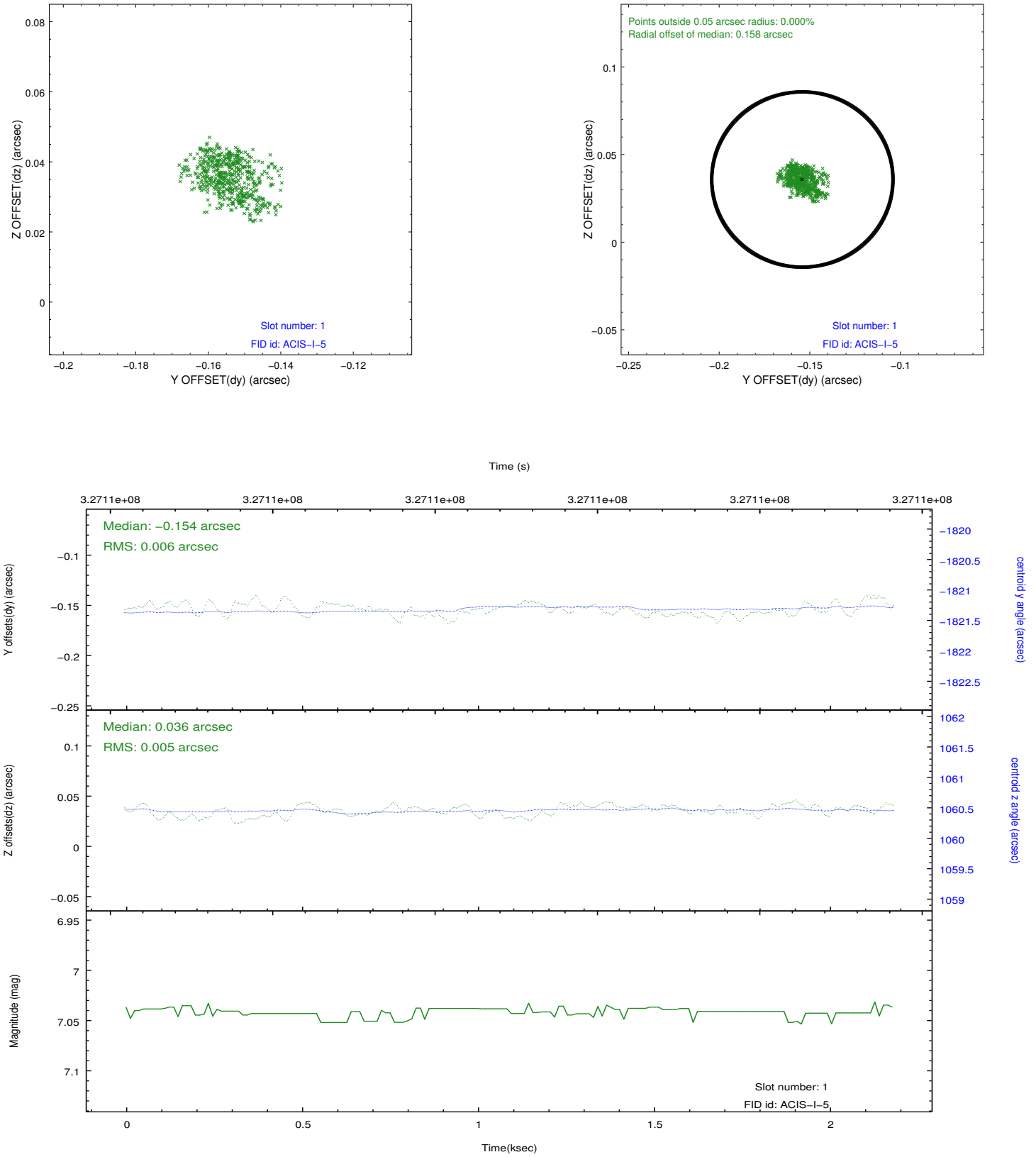


2.5 FID Slots

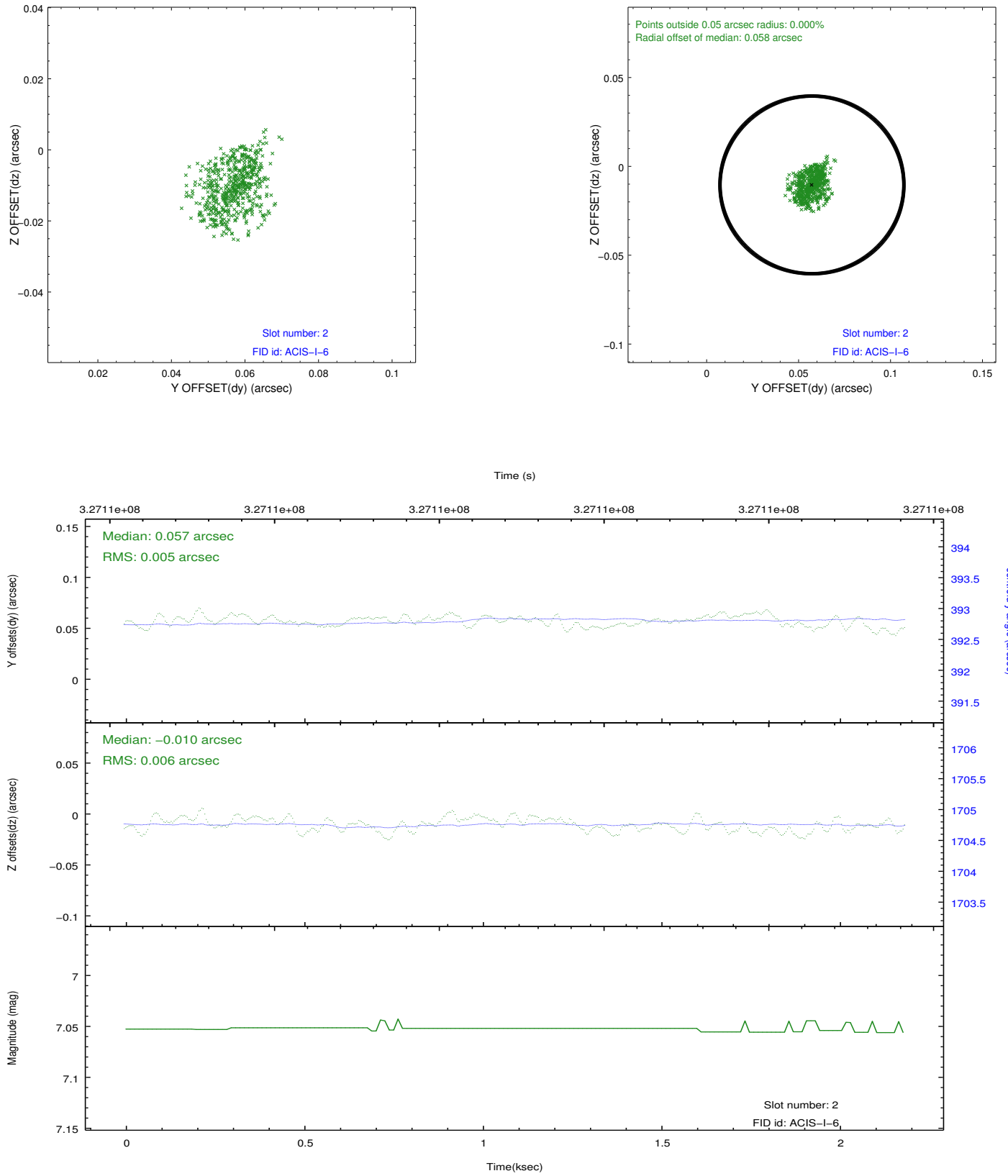
2.5.1 Slot 0



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	2.18860001

A.2 Comments

Joint proposal with NOAO.