

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8717 - L2 Version 2
Chandra X-Ray Center

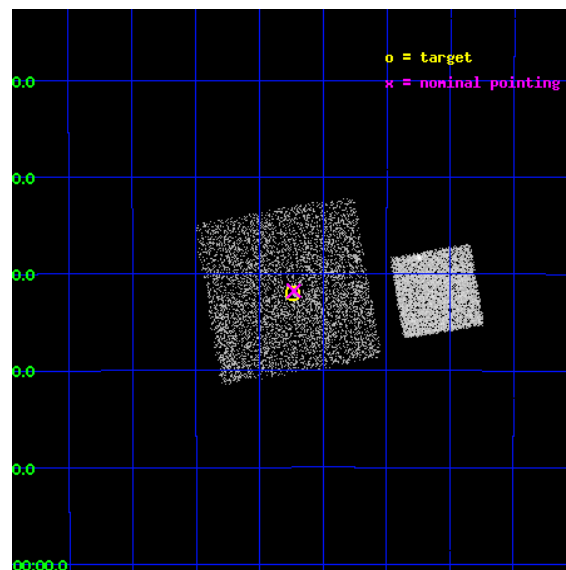
L2 Processing Date : May 14 2012

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1 Front

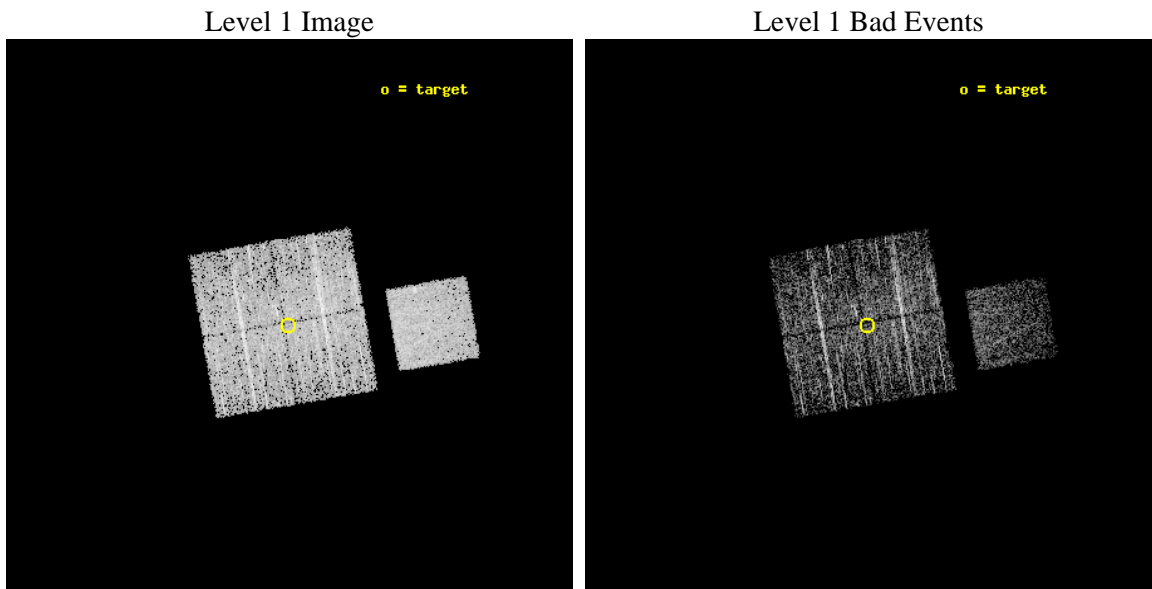
seq_num	400768	Sequence number
obs_id	8717	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.809214	Observer's specified target RA [deg]
dec_targ	-27.534052	Observer's specified target Dec [deg]
ra_nom	268.8073353221	Nominal RA [deg]
dec_nom	-27.529471614341	Nominal Dec [deg]
roll_nom	80.207815303207	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.5000168085	Sum of GTIs [s]
livetime	2156.9448501472	Livetime [s]
ontime0	2182.3589866161	Sum of GTIs [s]
ontime1	2185.5000168085	Sum of GTIs [s]
ontime2	2182.3590065241	Sum of GTIs [s]
ontime3	2185.5000168085	Sum of GTIs [s]
ontime7	2185.5000168085	Sum of GTIs [s]
l2events	15735	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	2182.3589866161	Sum of GTIs [s]
date	2012-05-14T23:38:16	Date and time of file creation	ontime1	2185.5000168085	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.3590065241	Sum of GTIs [s]
			ontime3	2185.5000168085	Sum of GTIs [s]
			ontime7	2185.5000168085	Sum of GTIs [s]
			l1events	100580	Number of level 1 events

2.1.4 Events

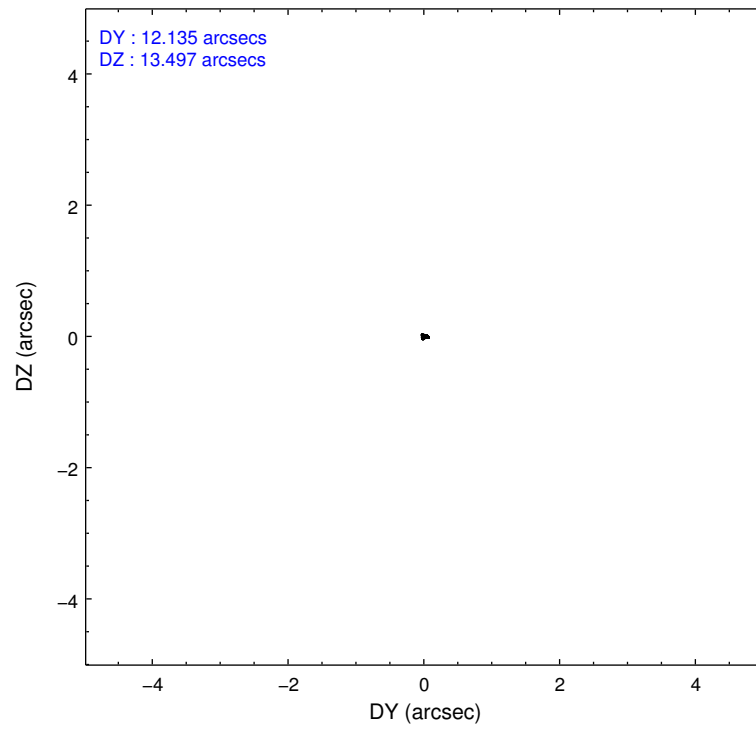
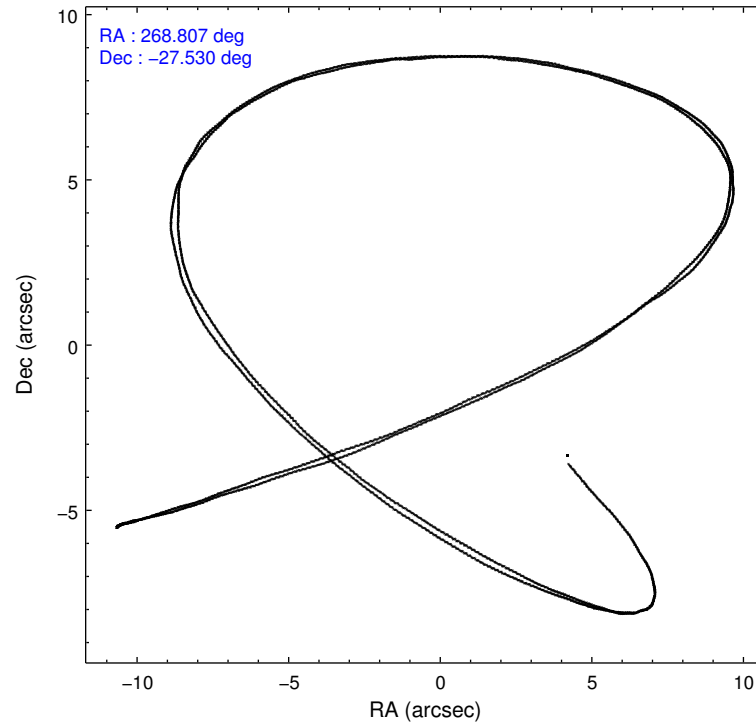
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18197	19501	20471	19307	23104
rejected events	16293	17283	18471	17385	13775
rejected %	89%	88%	90%	90%	59%

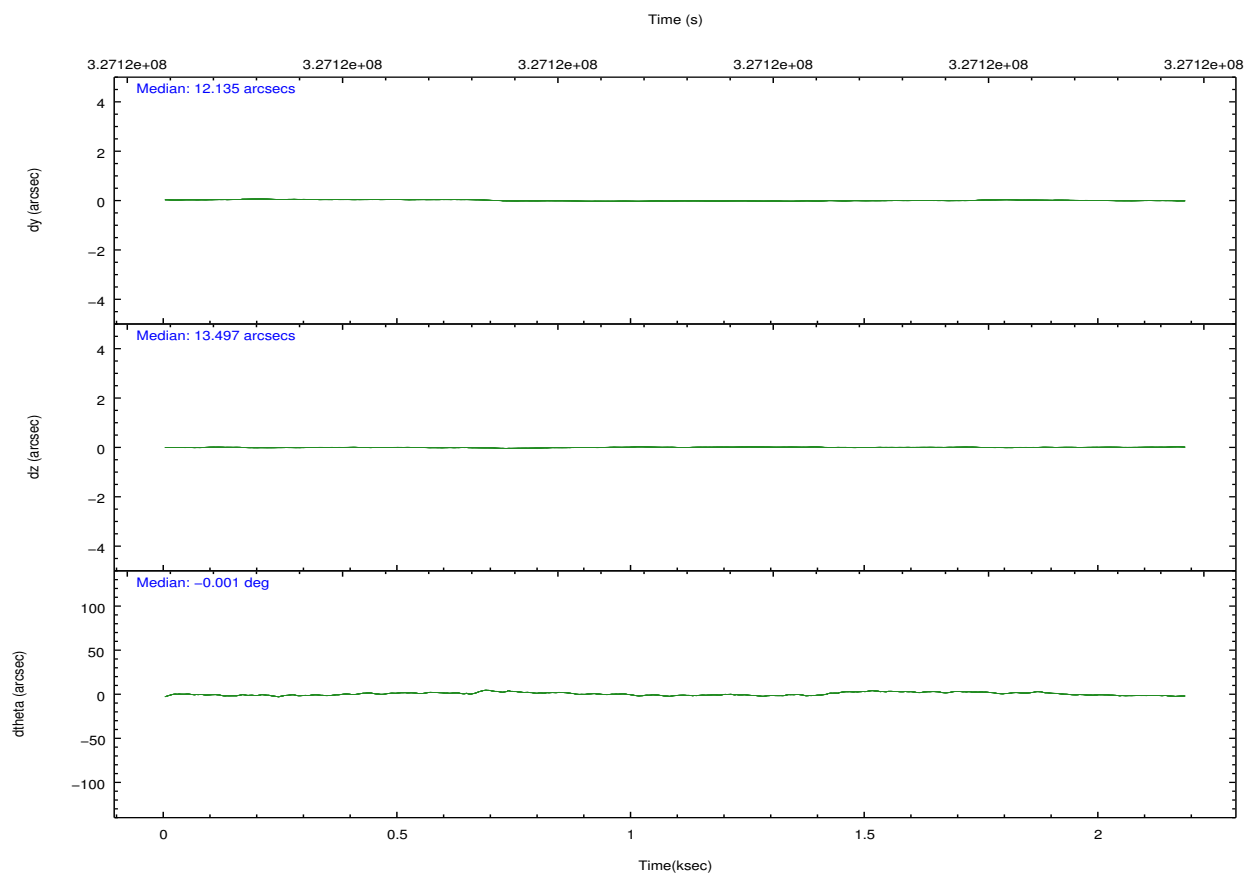
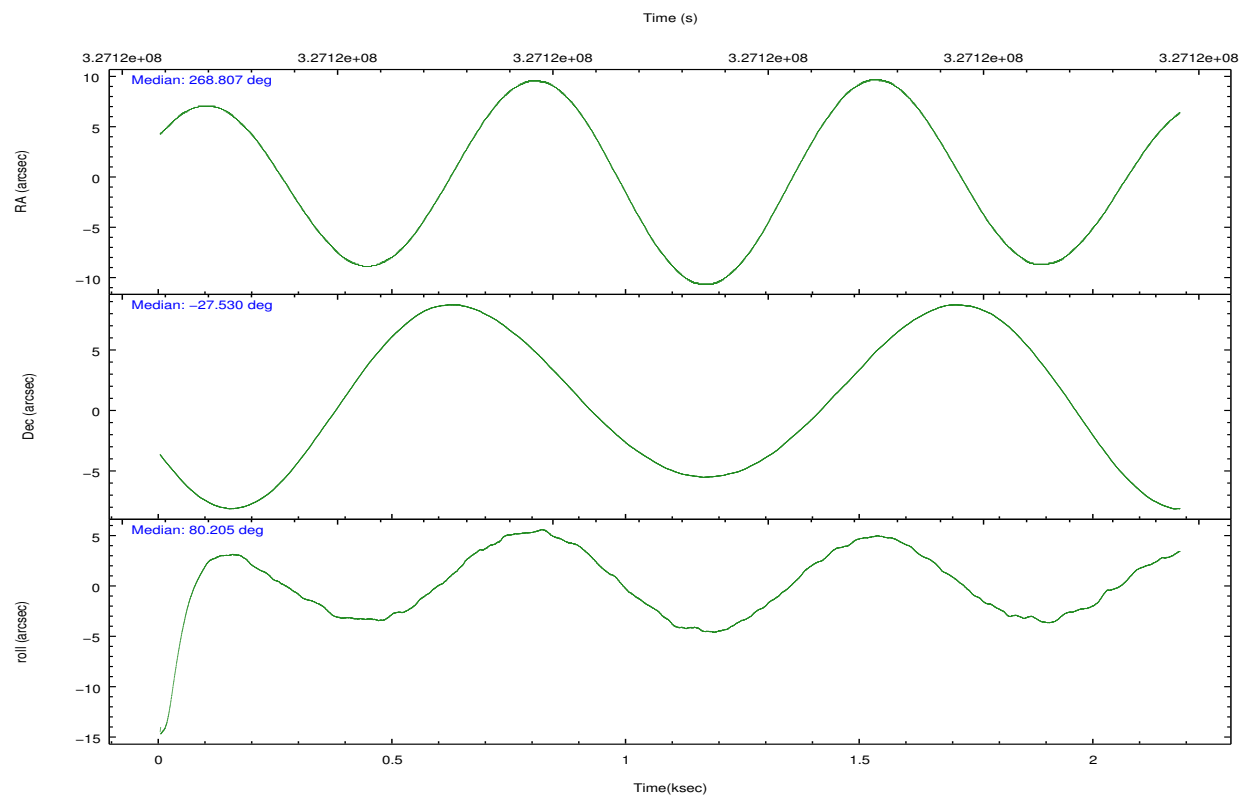
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	829	1022	866	902	1057
	4%	5%	4%	4%	4%
grade 1 events	13	7	13	11	33
	0%	0%	0%	0%	0%
grade 2 events	504	551	526	463	2185
	2%	2%	2%	2%	9%
grade 3 events	212	248	239	224	1023
	1%	1%	1%	1%	4%
grade 4 events	221	272	234	216	986
	1%	1%	1%	1%	4%
grade 5 events	703	766	638	842	2400
	3%	3%	3%	4%	10%
grade 6 events	407	444	406	392	5505
	2%	2%	1%	2%	23%
grade 7 events	15308	16191	17549	16257	9915
	84%	83%	85%	84%	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	268.818203	268.807335322101	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.555091	-27.52947161434128	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004157	80.20781530320679	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)	327121372.184000	327120996.09103	CCD S5 on	N	N
Observation start date	2008-05-14T03:01:47	2008-05-14T02:56:36	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327123372.184000	327123505.80365	On-chip summing requested	N	N
Observation end date	2008-05-14T03:35:07	2008-05-14T03:38:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



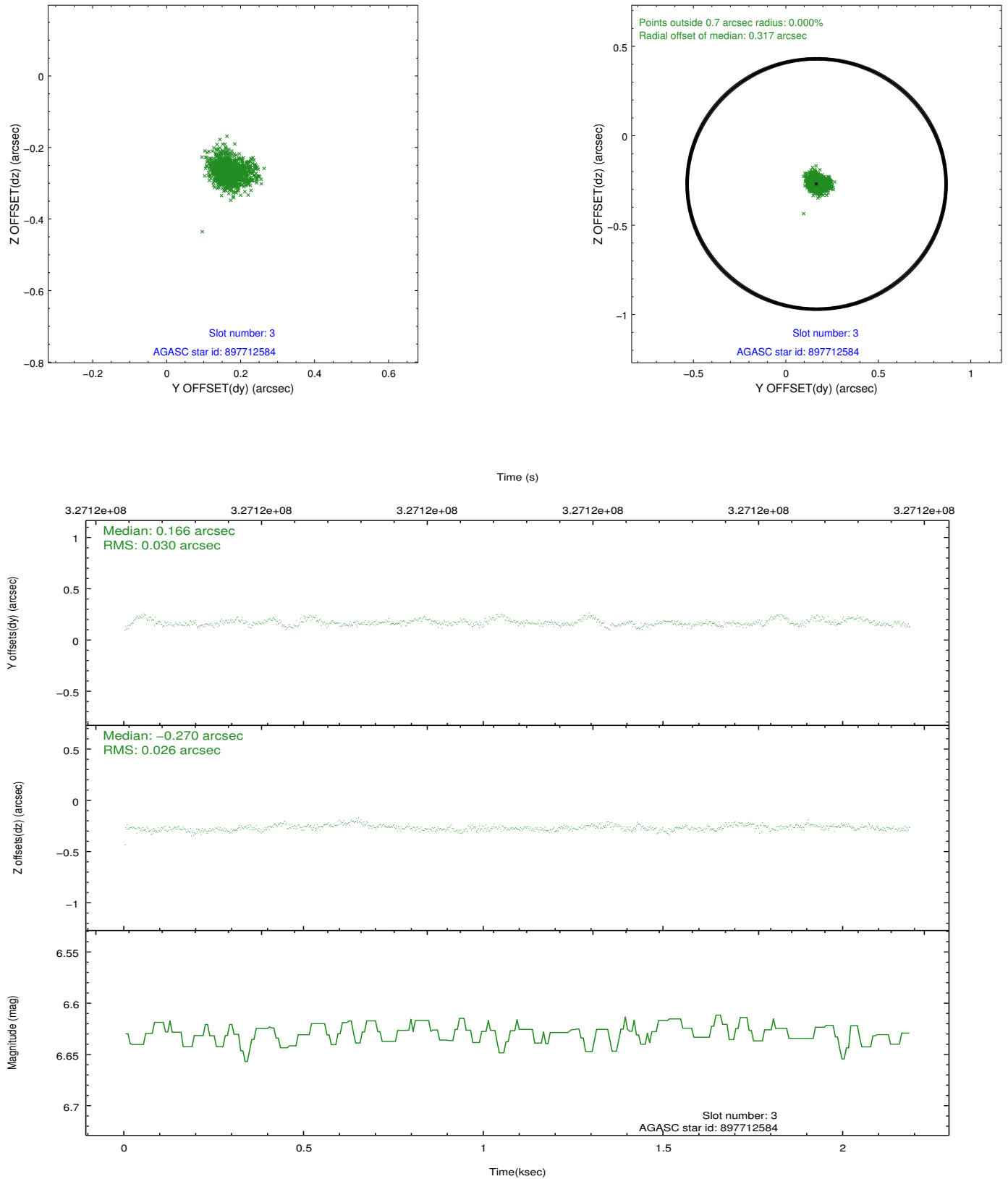


Slot Statistics

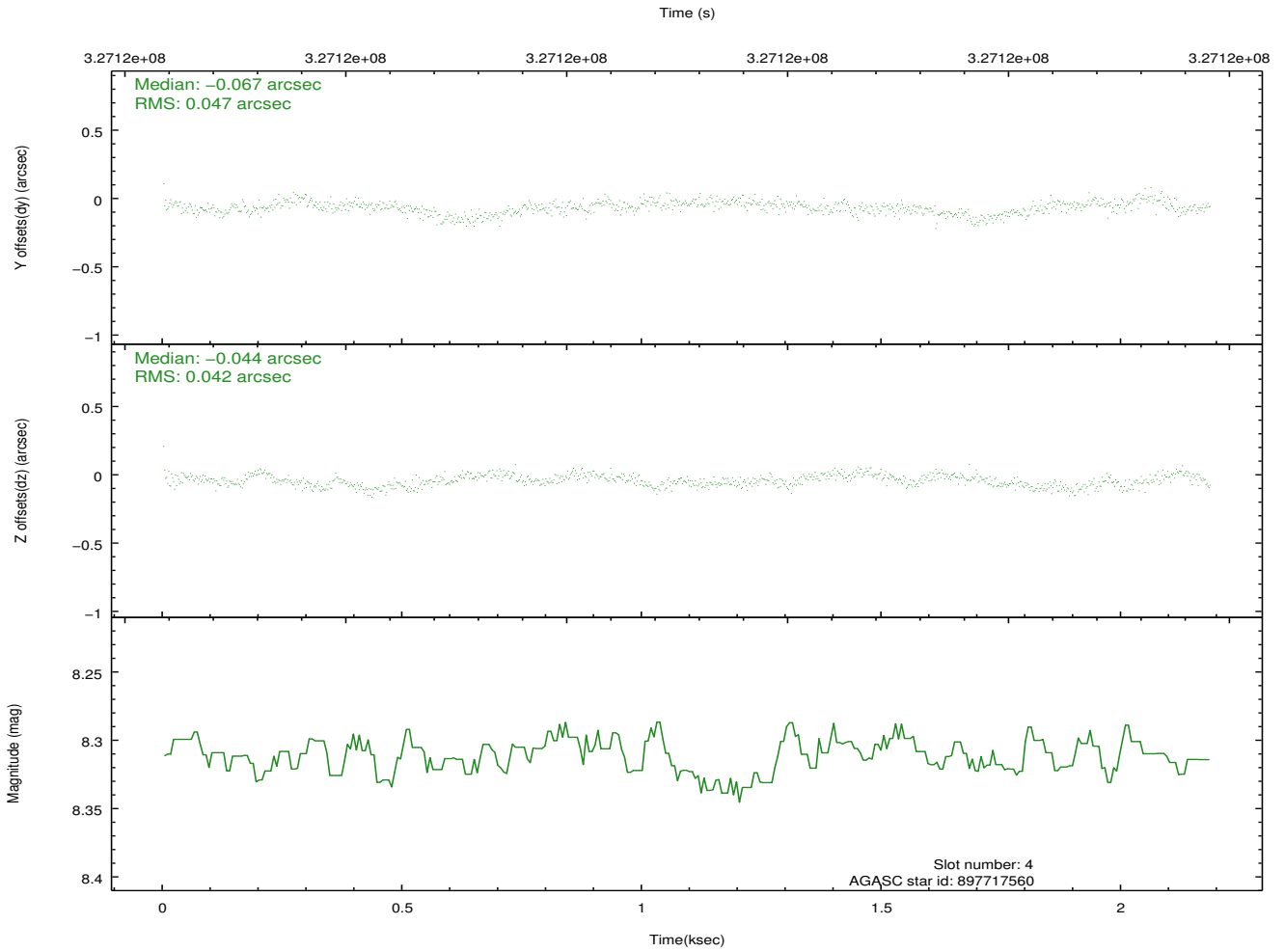
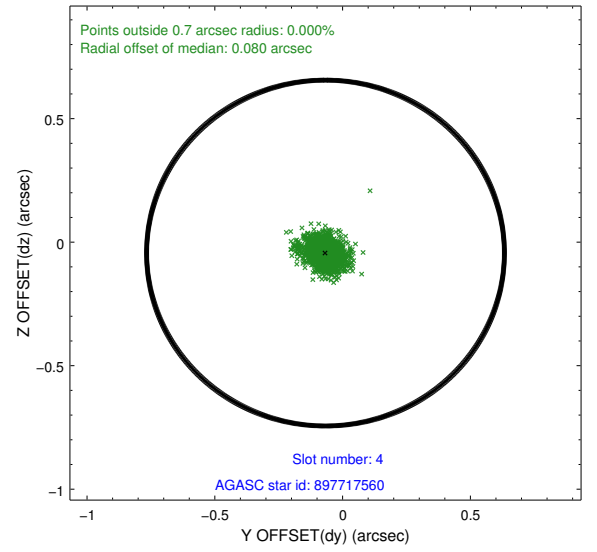
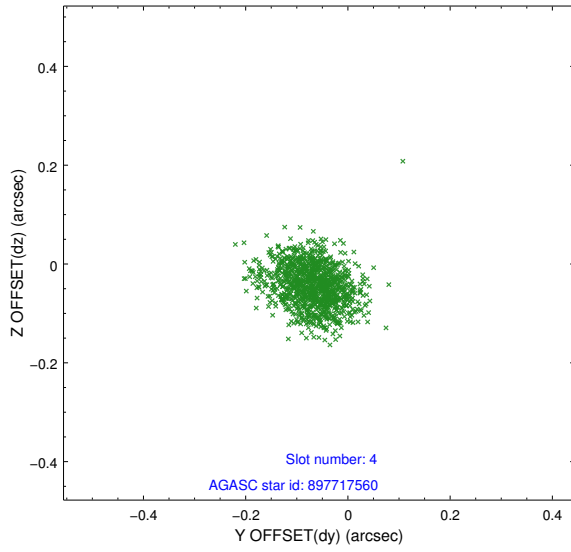
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	533	-0.070	0.035	0.014	0.027	0.000000	0.000000	927.31	-837.03
1	FID	ACIS-I-4	7.00	533	0.055	0.044	0.013	0.021	0.000000	0.000000	2149.17	1061.26
2	FID	ACIS-I-6	7.06	533	-0.082	-0.013	0.013	0.019	0.000000	0.000000	397.09	1706.81
3	GUIDE	897712584	6.63	1066	0.166	-0.270	0.040	0.071	268.003029	-28.022394	-2114.22	2257.50
4	GUIDE	897717560	8.31	1066	-0.067	-0.044	0.066	0.107	268.905529	-26.931201	2258.93	116.10
5	GUIDE	897717760	7.24	1066	0.036	-0.202	0.066	0.113	268.392593	-27.282645	730.01	1510.89
6	GUIDE	897721048	7.76	1065	0.098	0.256	0.054	0.087	268.989561	-28.030814	-1590.99	-831.99
7	GUIDE	897726696	8.10	1064	-0.238	0.257	0.045	0.079	269.027034	-27.024261	1996.61	-328.37

2.4 Star Slots

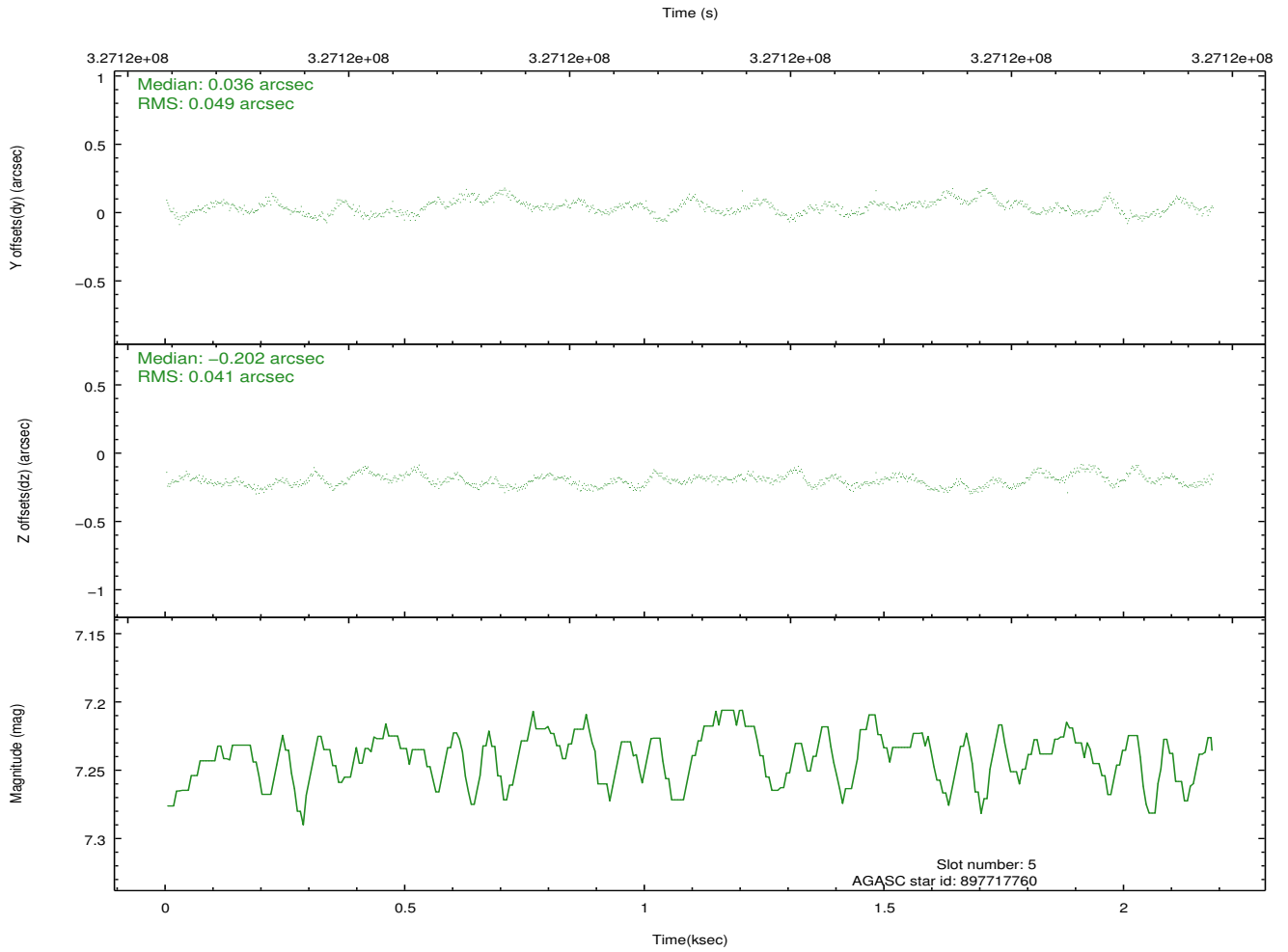
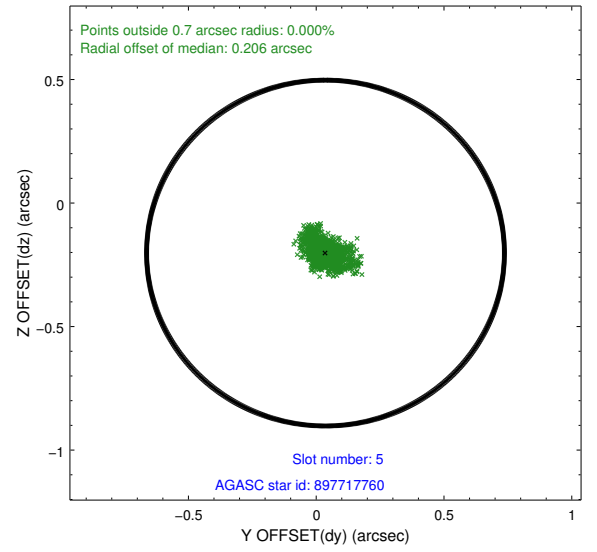
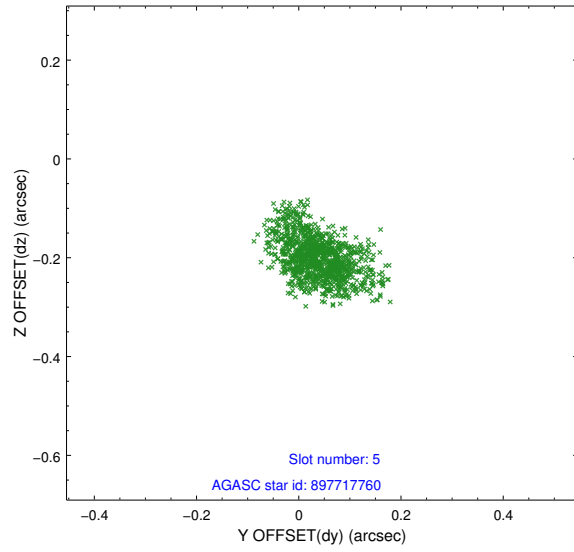
2.4.1 Slot 3



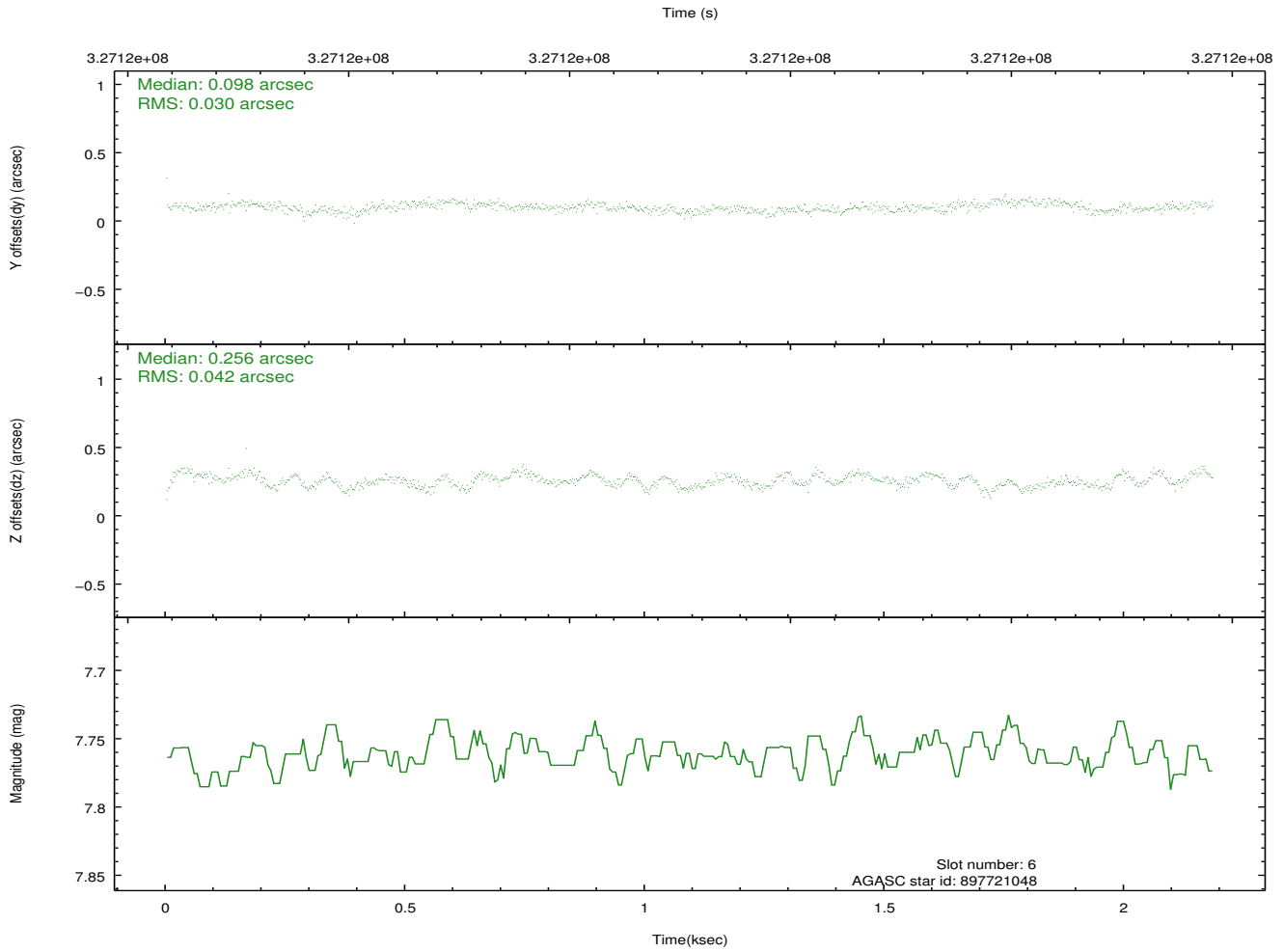
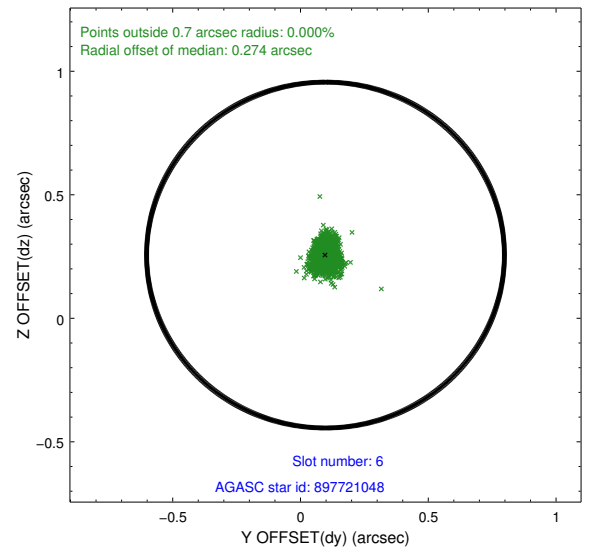
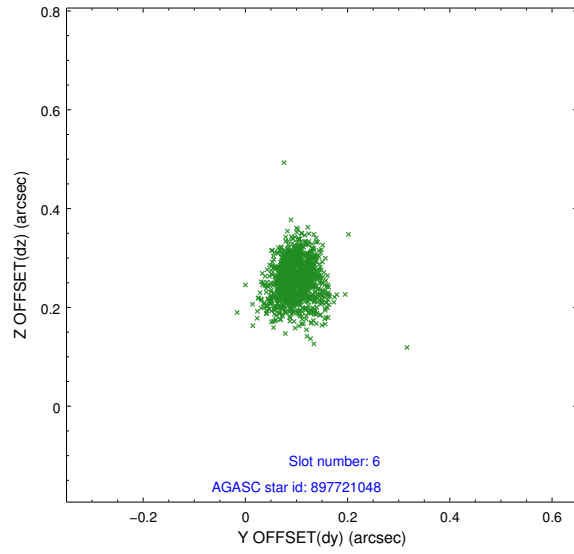
2.4.2 Slot 4



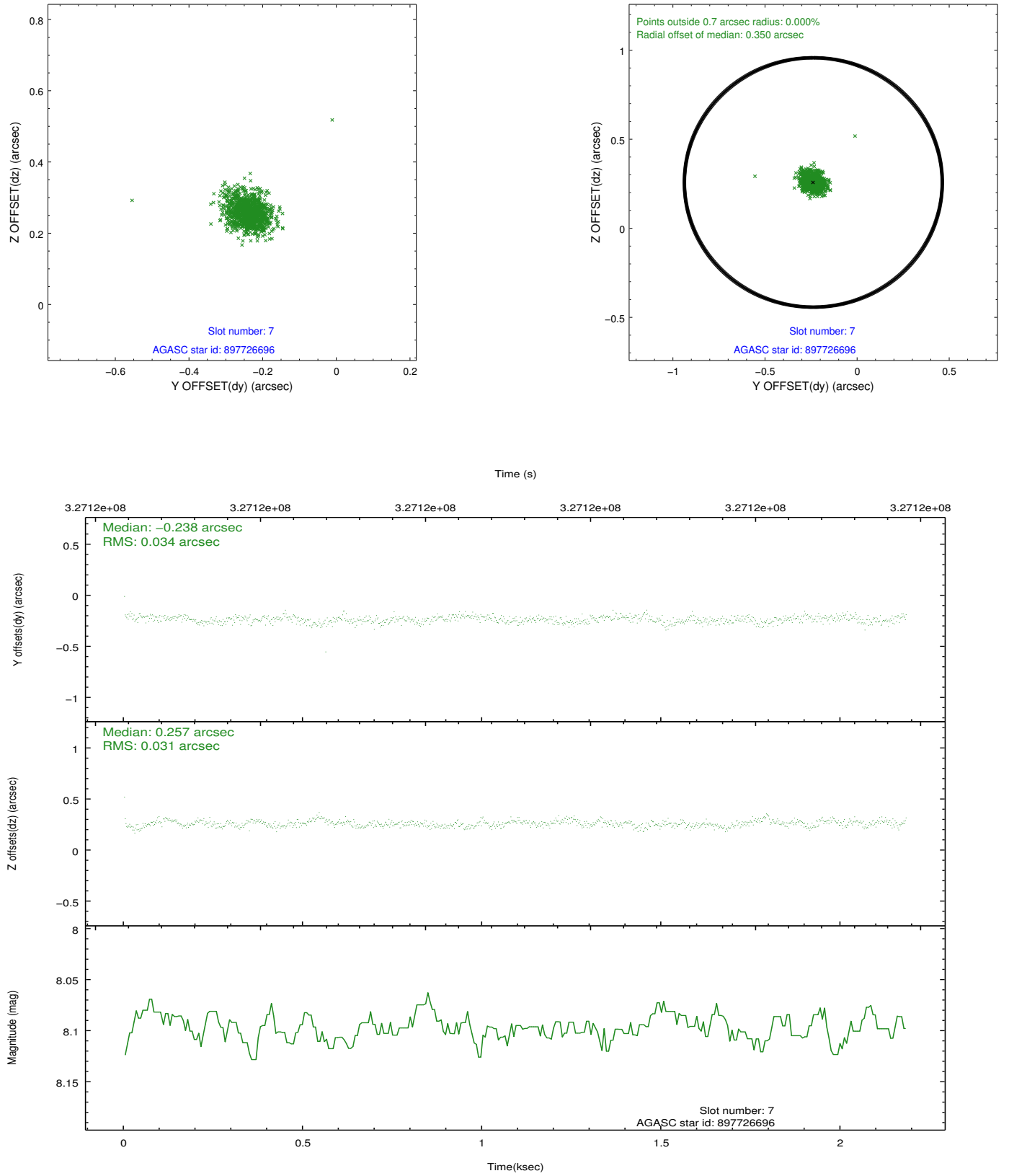
2.4.3 Slot 5



2.4.4 Slot 6

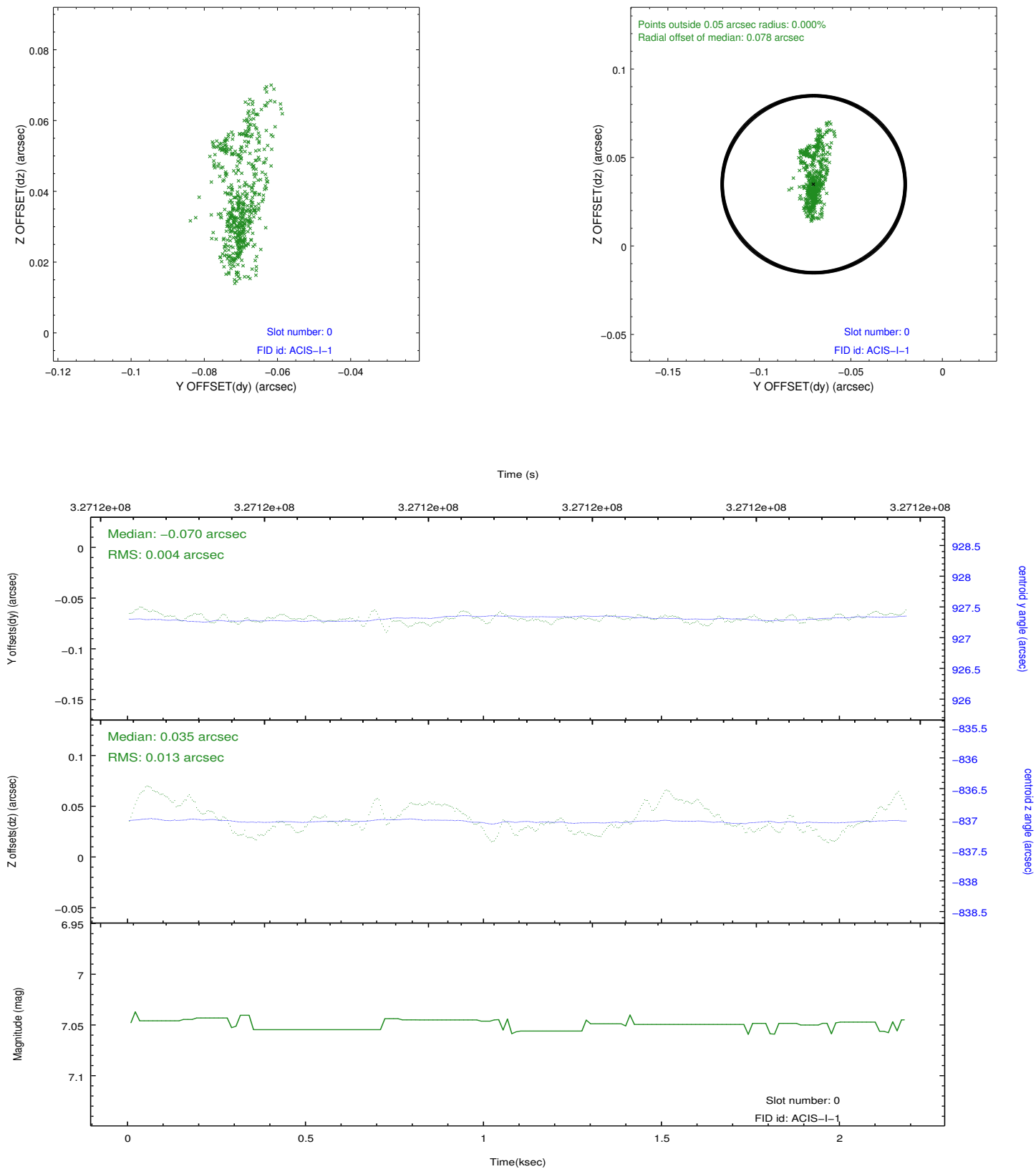


2.4.5 Slot 7

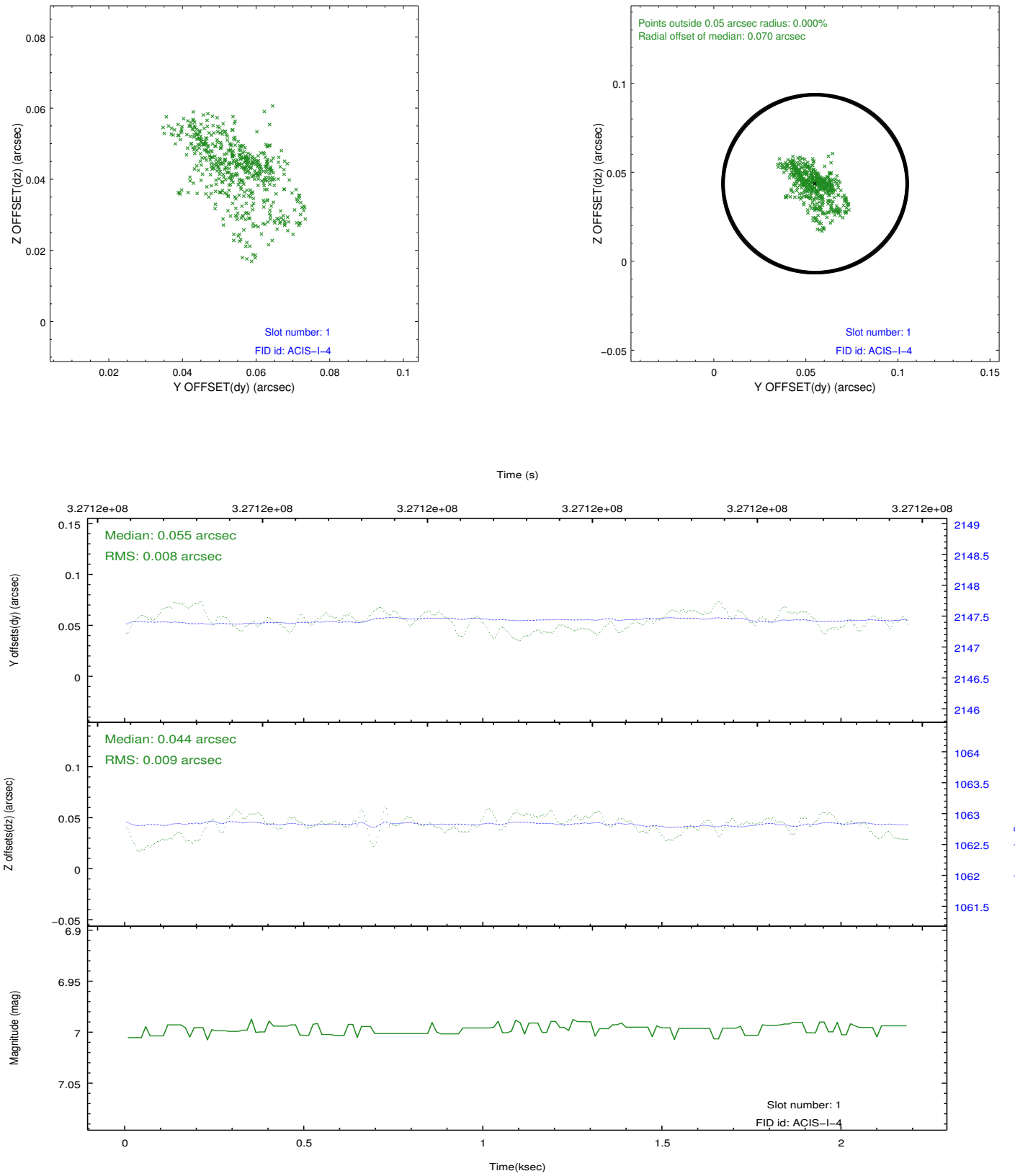


2.5 FID Slots

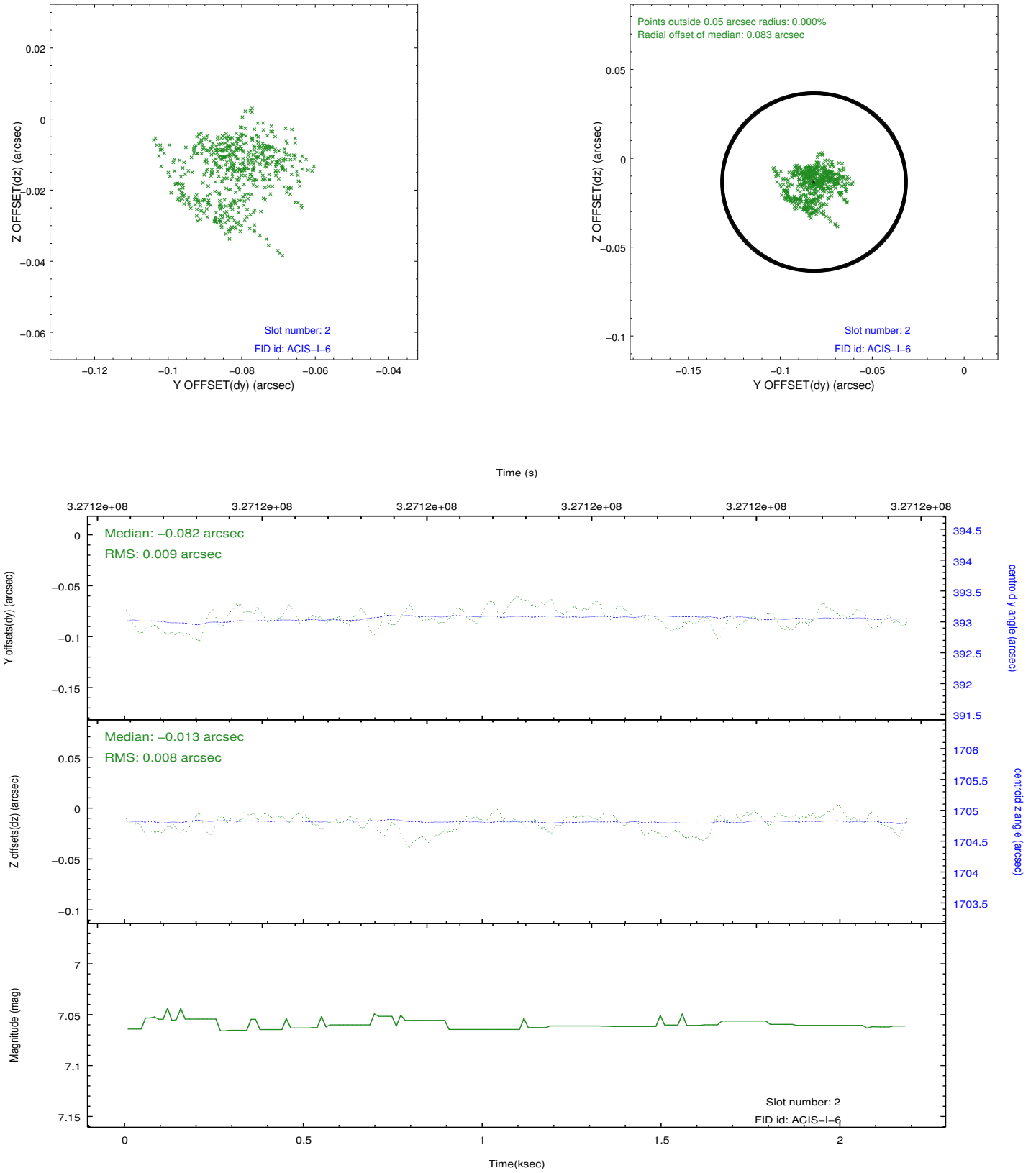
2.5.1 Slot 0



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)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18550001

A.2 Comments

Joint proposal with NOAO.