

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8718 - L2 Version 2
Chandra X-Ray Center

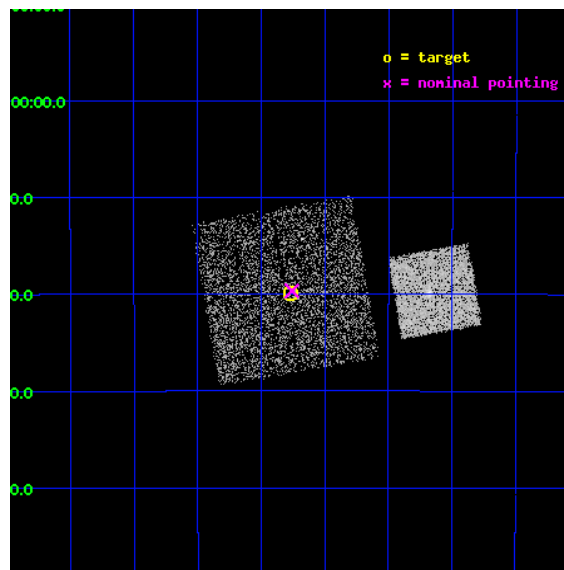
L2 Processing Date : May 14 2012

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1 Front

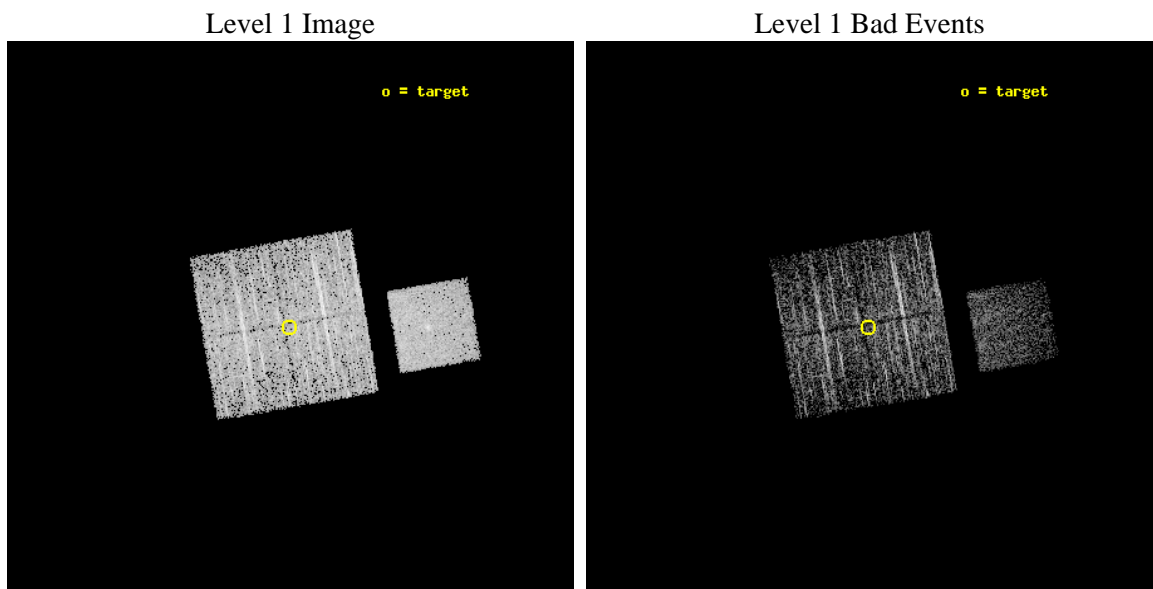
seq_num	400769	Sequence number
obs_id	8718	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.941659	Observer's specified target RA [deg]
dec_targ	-27.332543	Observer's specified target Dec [deg]
ra_nom	268.93972753795	Nominal RA [deg]
dec_nom	-27.327635526789	Nominal Dec [deg]
roll_nom	80.207966531461	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2176.200016737	Sum of GTIs [s]
livetime	2147.7663614232	Livetime [s]
ontime0	2176.200016737	Sum of GTIs [s]
ontime1	2176.200016737	Sum of GTIs [s]
ontime2	2176.200016737	Sum of GTIs [s]
ontime3	2176.200016737	Sum of GTIs [s]
ontime7	2176.200016737	Sum of GTIs [s]
l2events	15322	Number of level 2 events



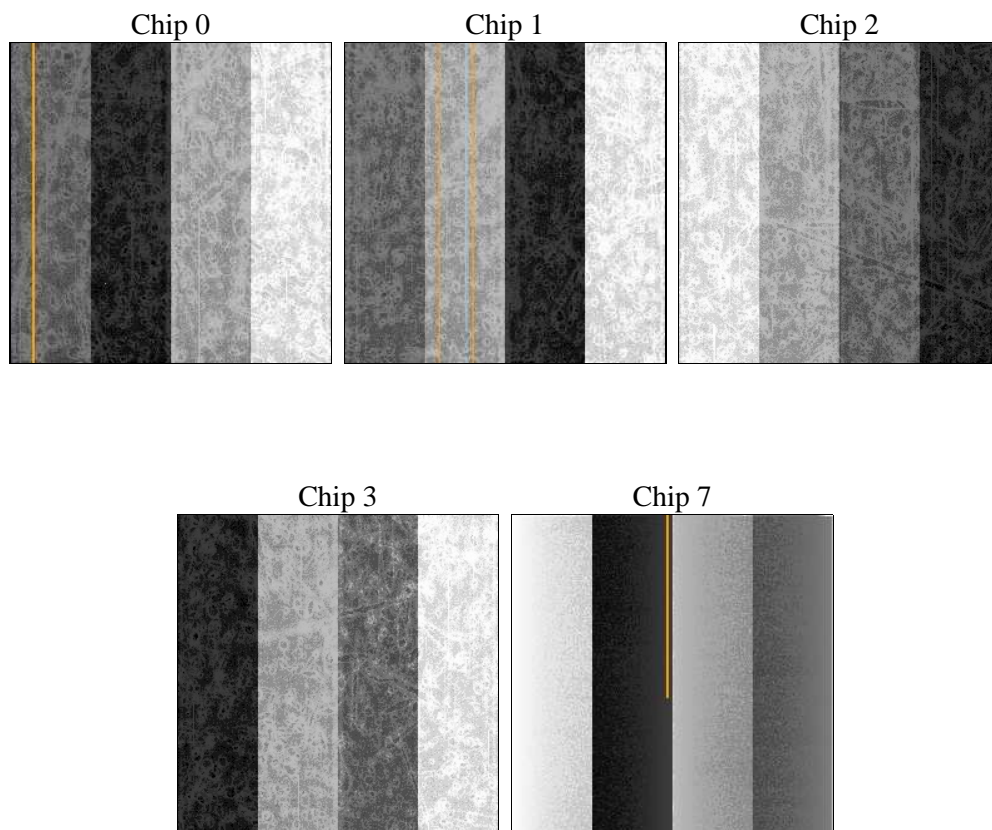
2 OBI

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	2176.200016737	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2176.200016737	Sum of GTIs [s]
date	2012-05-14T23:22:28	Date and time of file creation	ontime1	2176.200016737	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2176.200016737	Sum of GTIs [s]
			ontime3	2176.200016737	Sum of GTIs [s]
			ontime7	2176.200016737	Sum of GTIs [s]
			l1events	103759	Number of level 1 events

2.1.4 Events

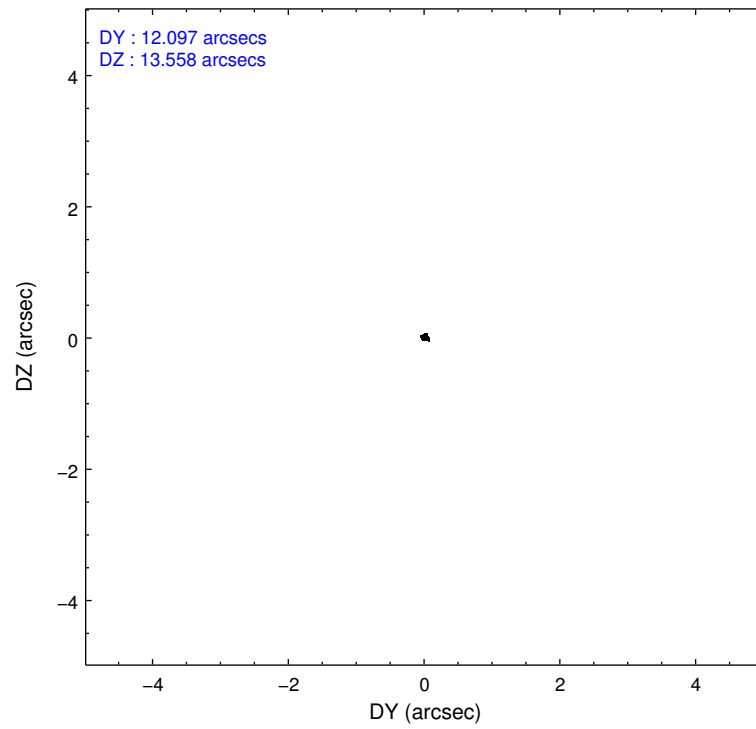
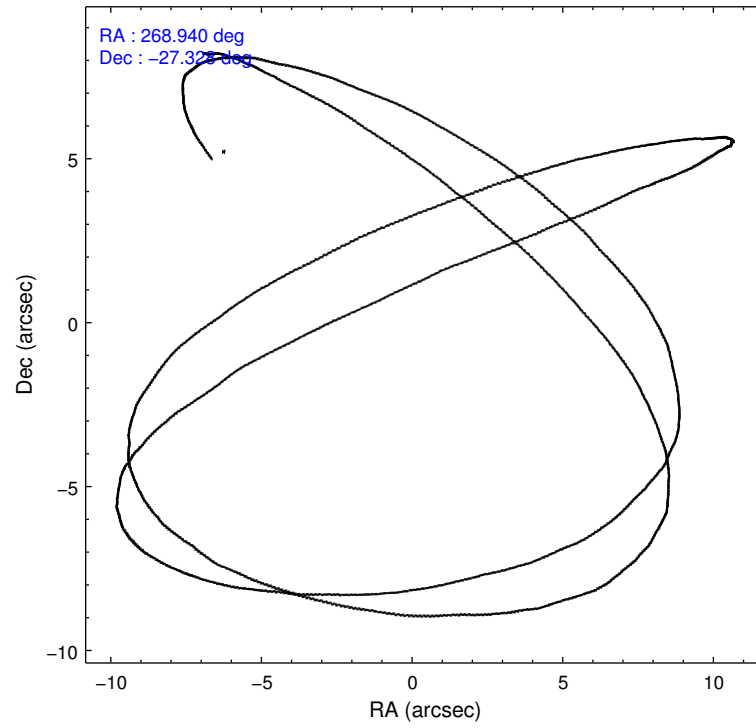
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18026	19127	22091	21551	22964
rejected events	16120	16973	20229	19688	13866
rejected %	89%	88%	91%	91%	60%

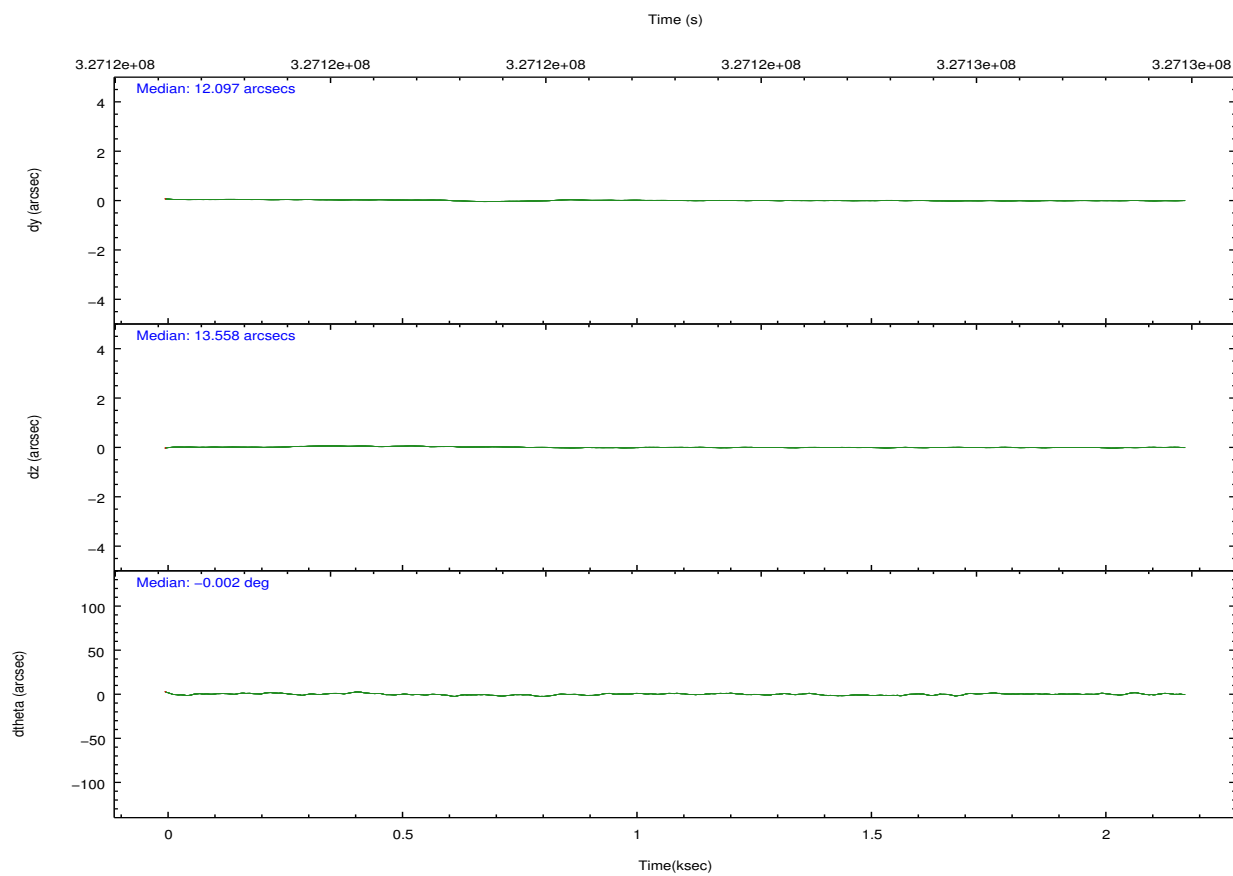
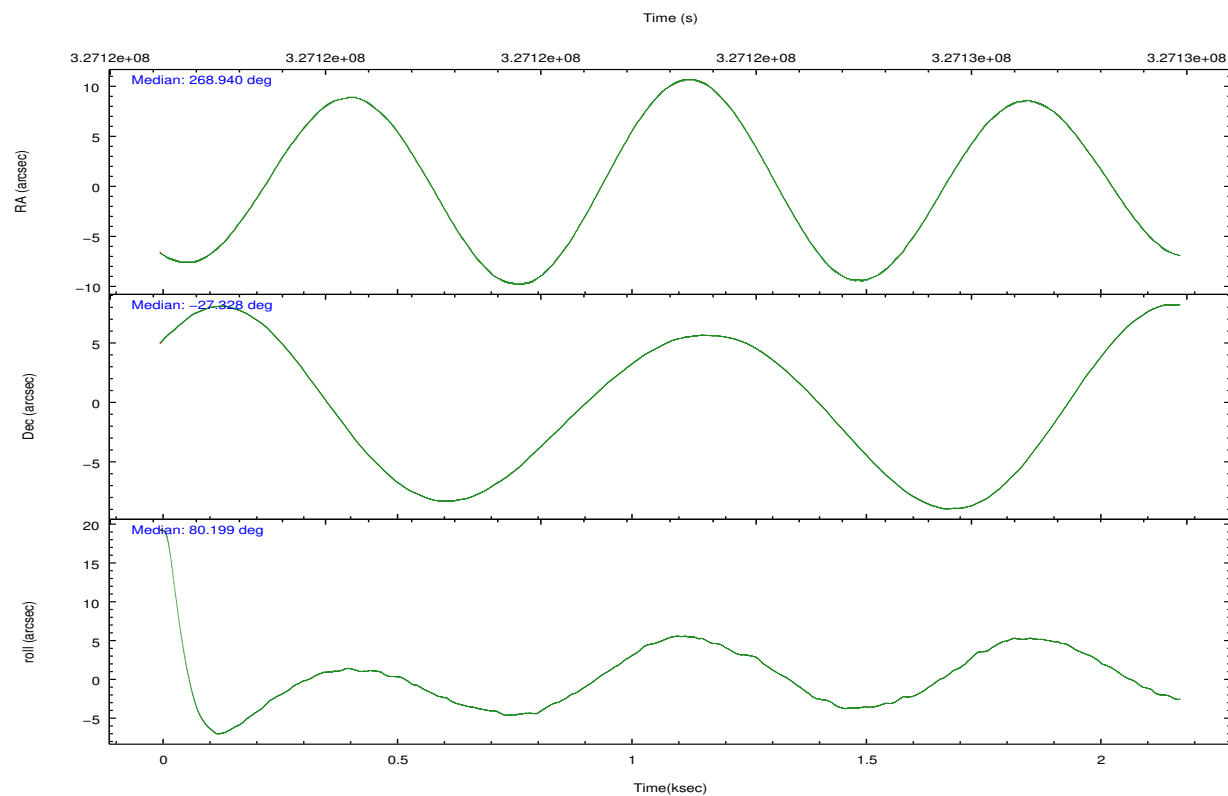
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	846	978	839	850	1032
	4%	5%	3%	3%	4%
grade 1 events	14	16	14	9	29
	0%	0%	0%	0%	0%
grade 2 events	474	564	504	503	2180
	2%	2%	2%	2%	9%
grade 3 events	262	249	202	214	968
	1%	1%	0%	0%	4%
grade 4 events	208	251	208	214	955
	1%	1%	0%	0%	4%
grade 5 events	667	756	638	799	2437
	3%	3%	2%	3%	10%
grade 6 events	431	439	374	380	5340
	2%	2%	1%	1%	23%
grade 7 events	15124	15874	19312	18582	10023
	83%	82%	87%	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	268.950630	268.9397275379521	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.353587	-27.32763552678918	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004122	80.20796653146084	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)	327123882.184000	327123505.80365	CCD S5 on	N	N
Observation start date	2008-05-14T03:43:37	2008-05-14T03:38:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327125882.184000	327126015.51627	On-chip summing requested	N	N
Observation end date	2008-05-14T04:16:57	2008-05-14T04:20:15	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



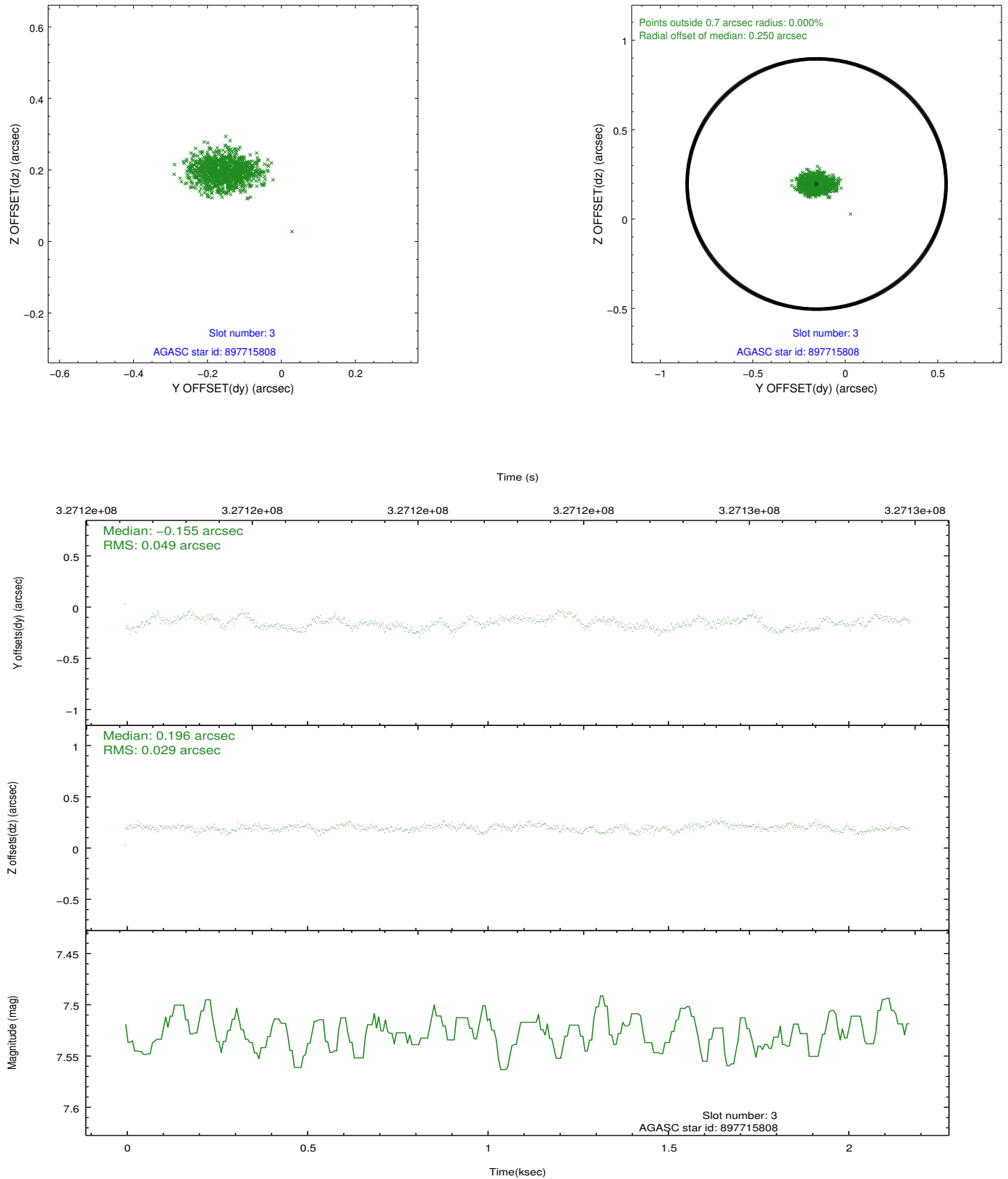


Slot Statistics

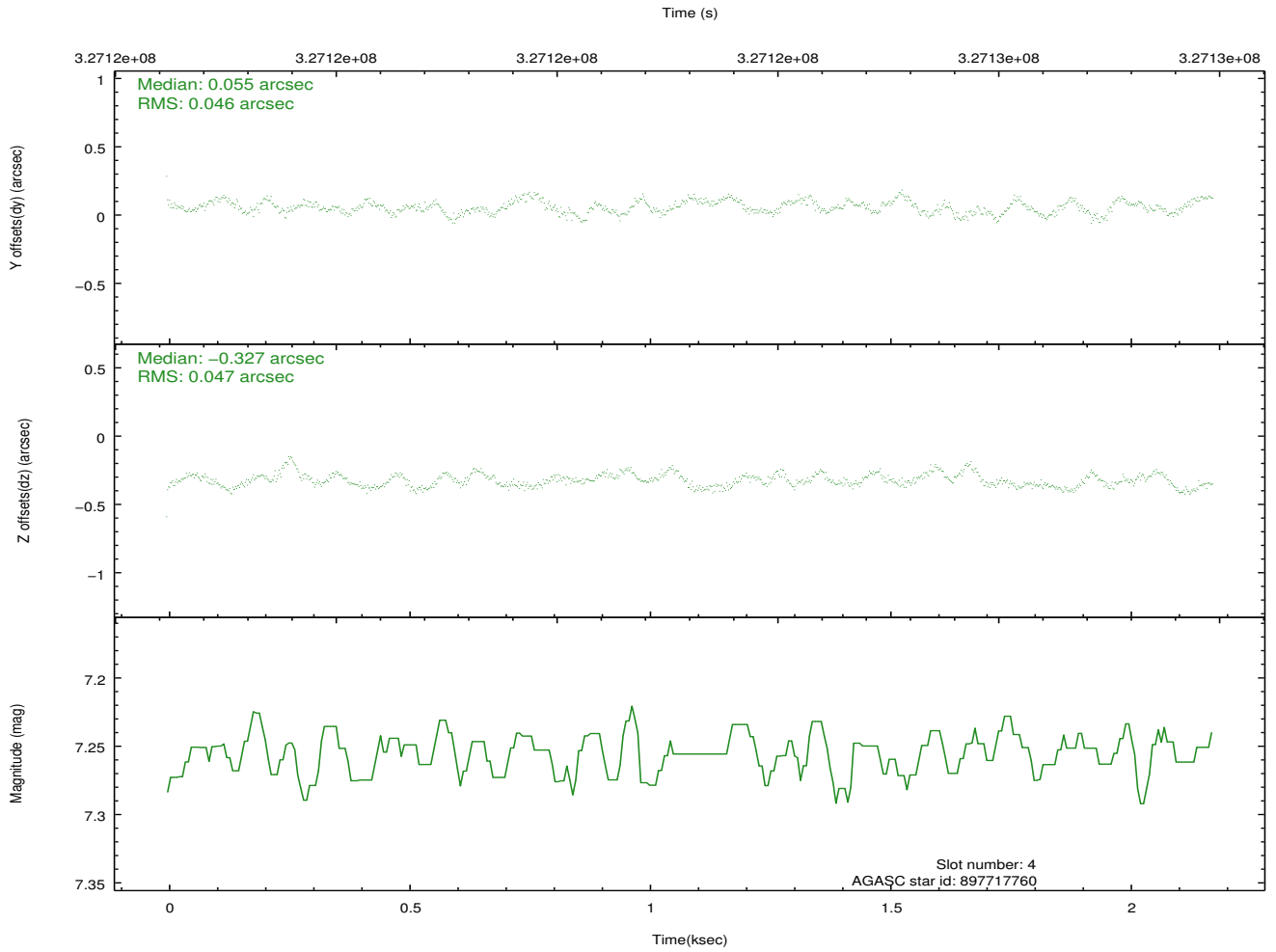
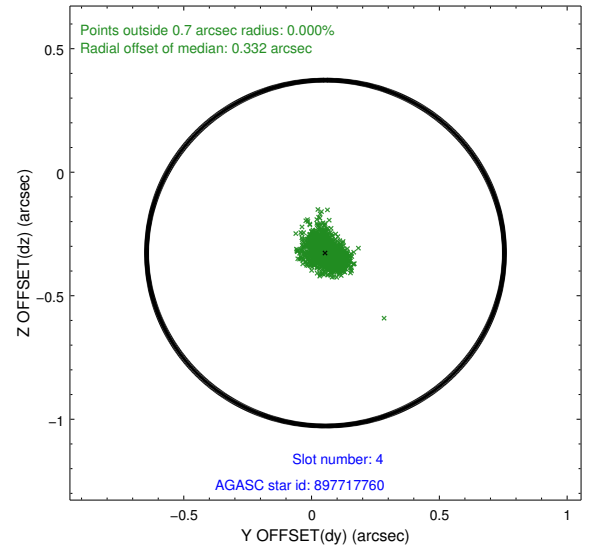
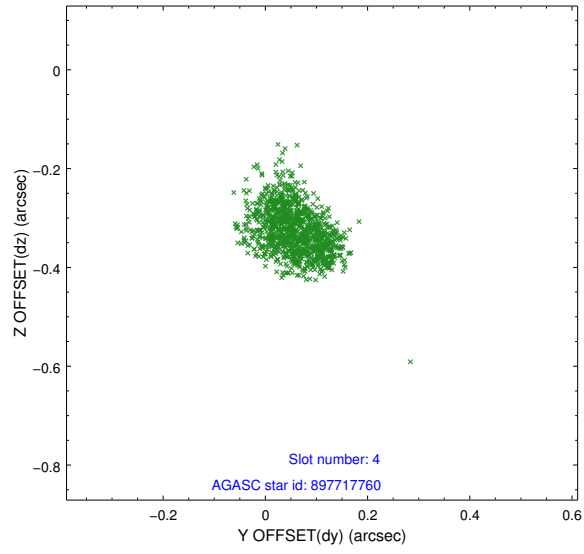
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.96	531	-0.138	-0.062	0.007	0.013	0.000000	0.000000	-766.88	-843.55
1	FID	ACIS-I-4	7.00	529	0.084	0.075	0.008	0.015	0.000000	0.000000	2146.03	1061.23
2	FID	ACIS-I-6	7.06	531	-0.046	0.049	0.010	0.018	0.000000	0.000000	397.15	1706.81
3	GUIDE	897715808	7.53	1062	-0.155	0.196	0.060	0.097	269.101805	-26.773394	2139.86	-115.80
4	GUIDE	897717760	7.26	1062	0.055	-0.327	0.070	0.104	268.392593	-27.282645	-60.84	1801.25
5	GUIDE	897720600	8.24	1062	0.150	-0.223	0.072	0.115	268.319864	-27.628963	-1331.21	1809.45
6	GUIDE	897712424	8.91	1062	-0.013	0.228	0.088	0.143	269.567786	-28.090711	-2279.30	-2390.58
7	GUIDE	897714016	8.79	1061	-0.038	0.120	0.097	0.162	269.708519	-26.828266	2275.70	-2072.96

2.4 Star Slots

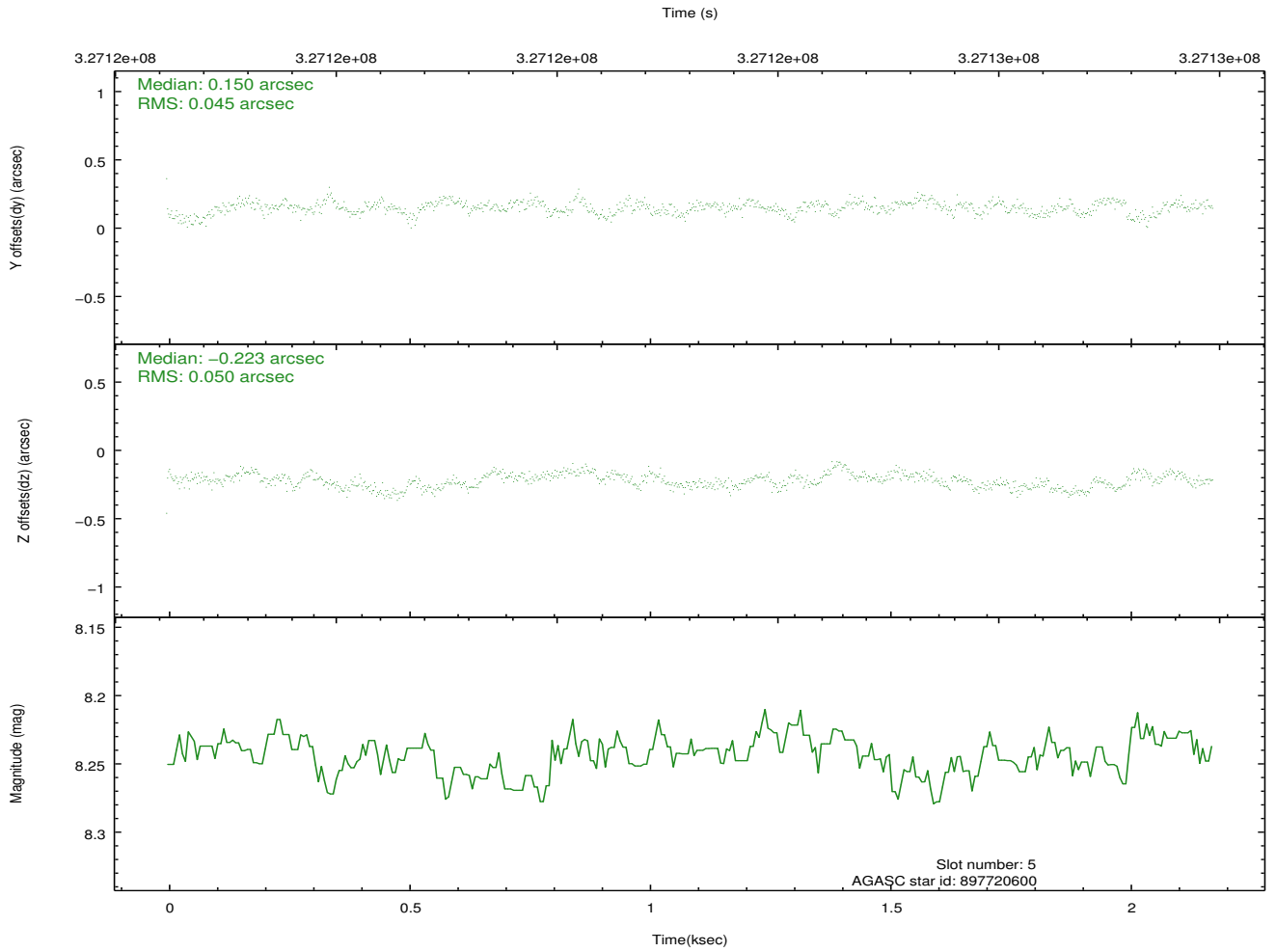
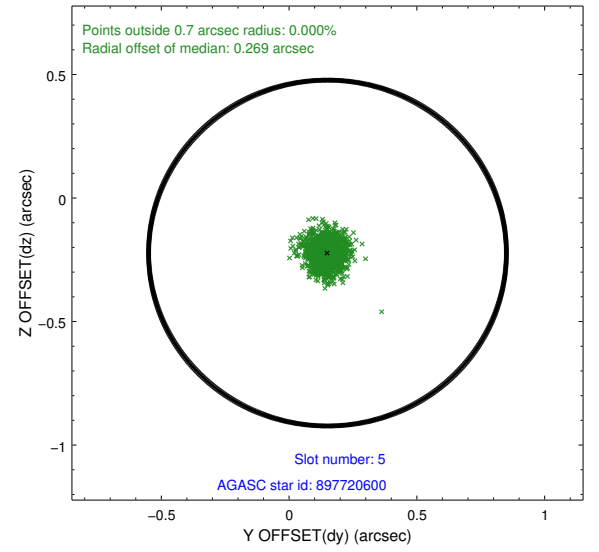
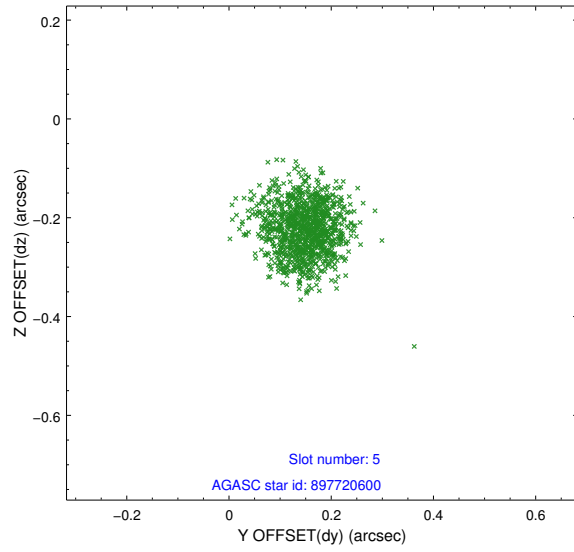
2.4.1 Slot 3



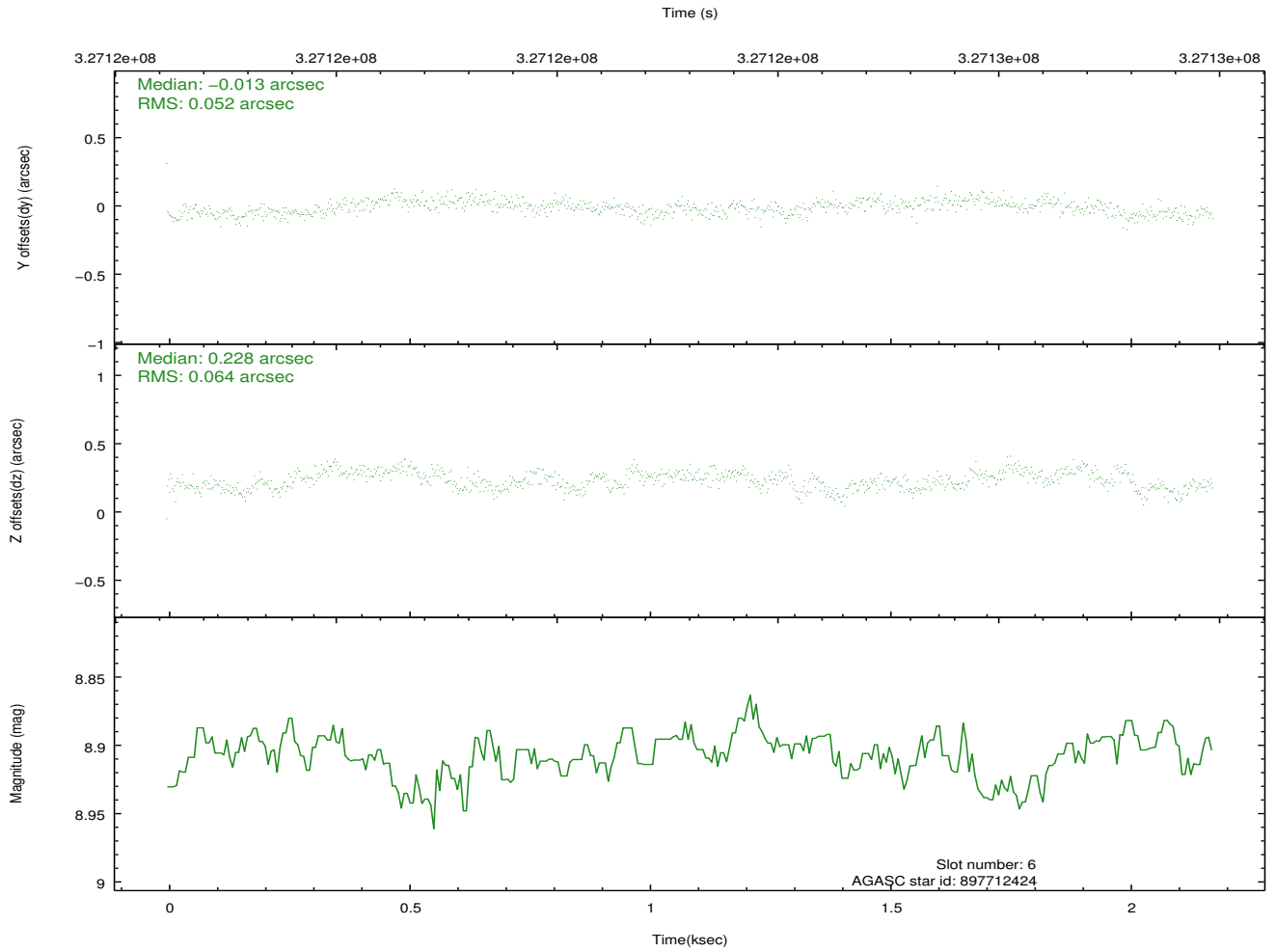
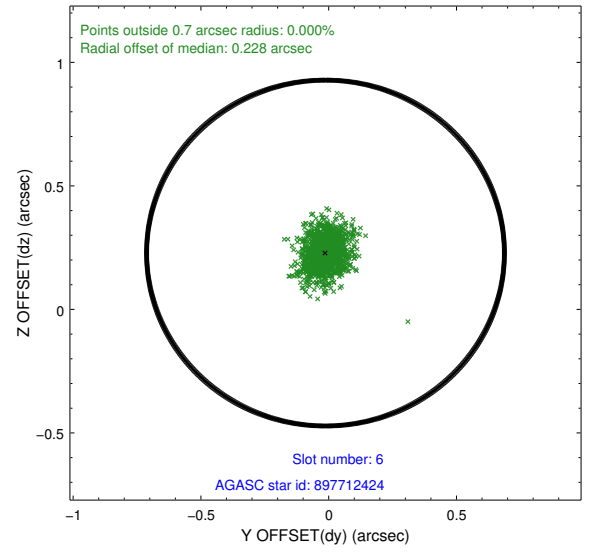
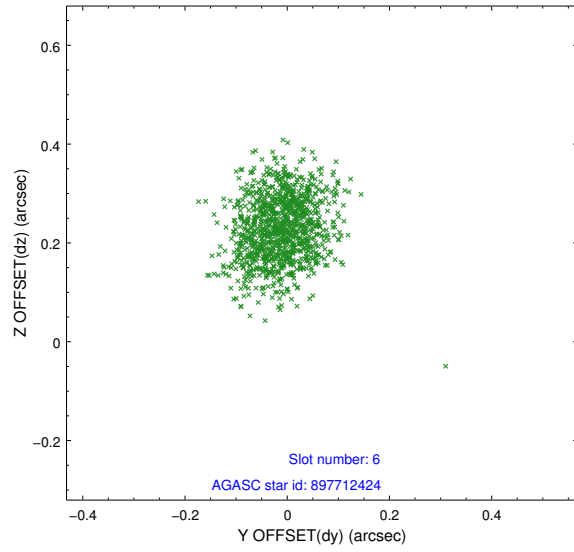
2.4.2 Slot 4



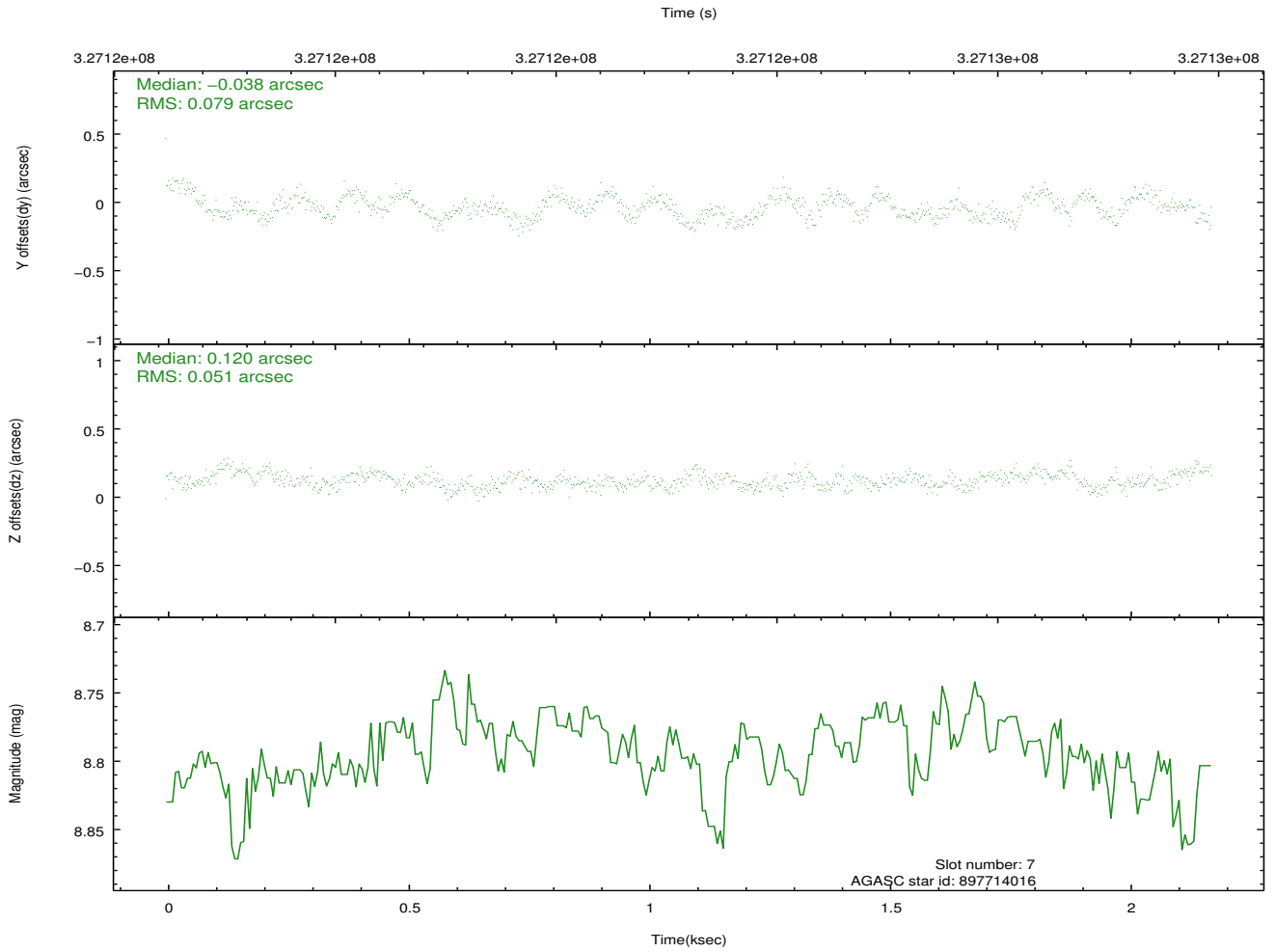
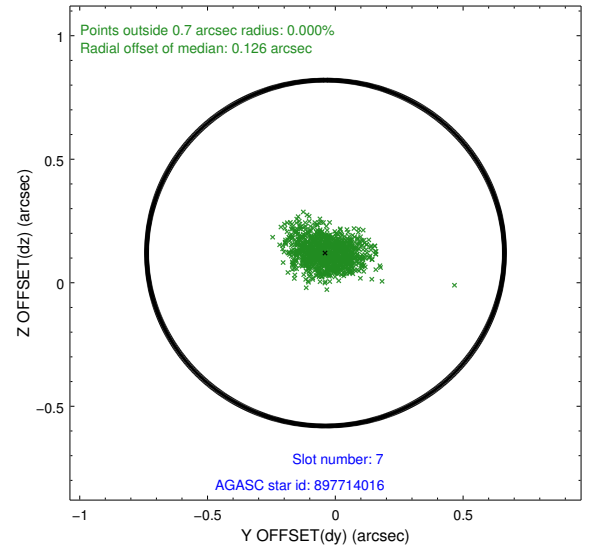
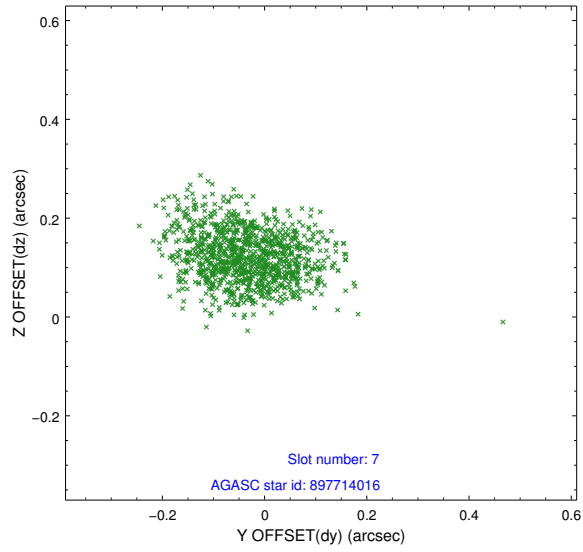
2.4.3 Slot 5



2.4.4 Slot 6

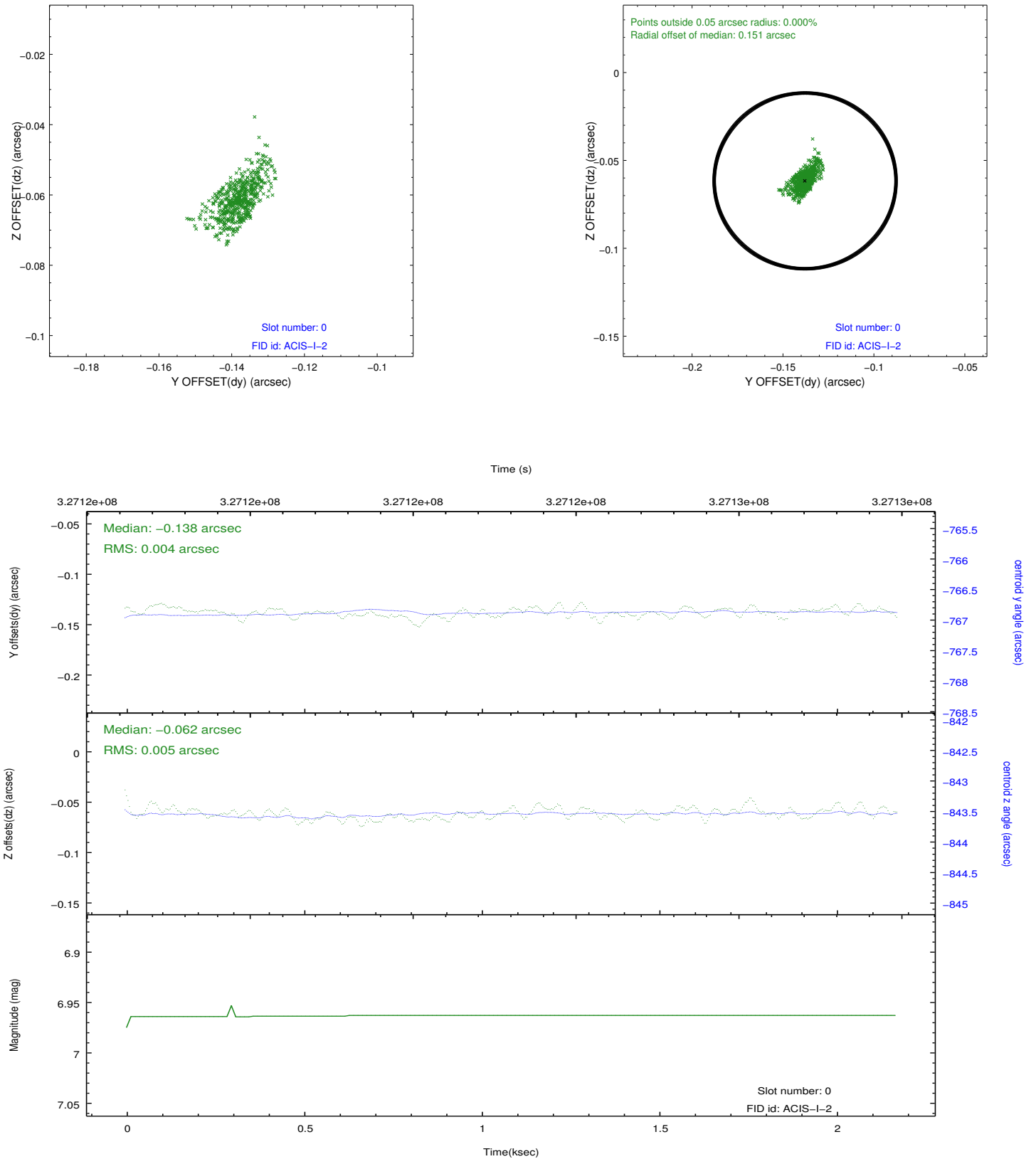


2.4.5 Slot 7

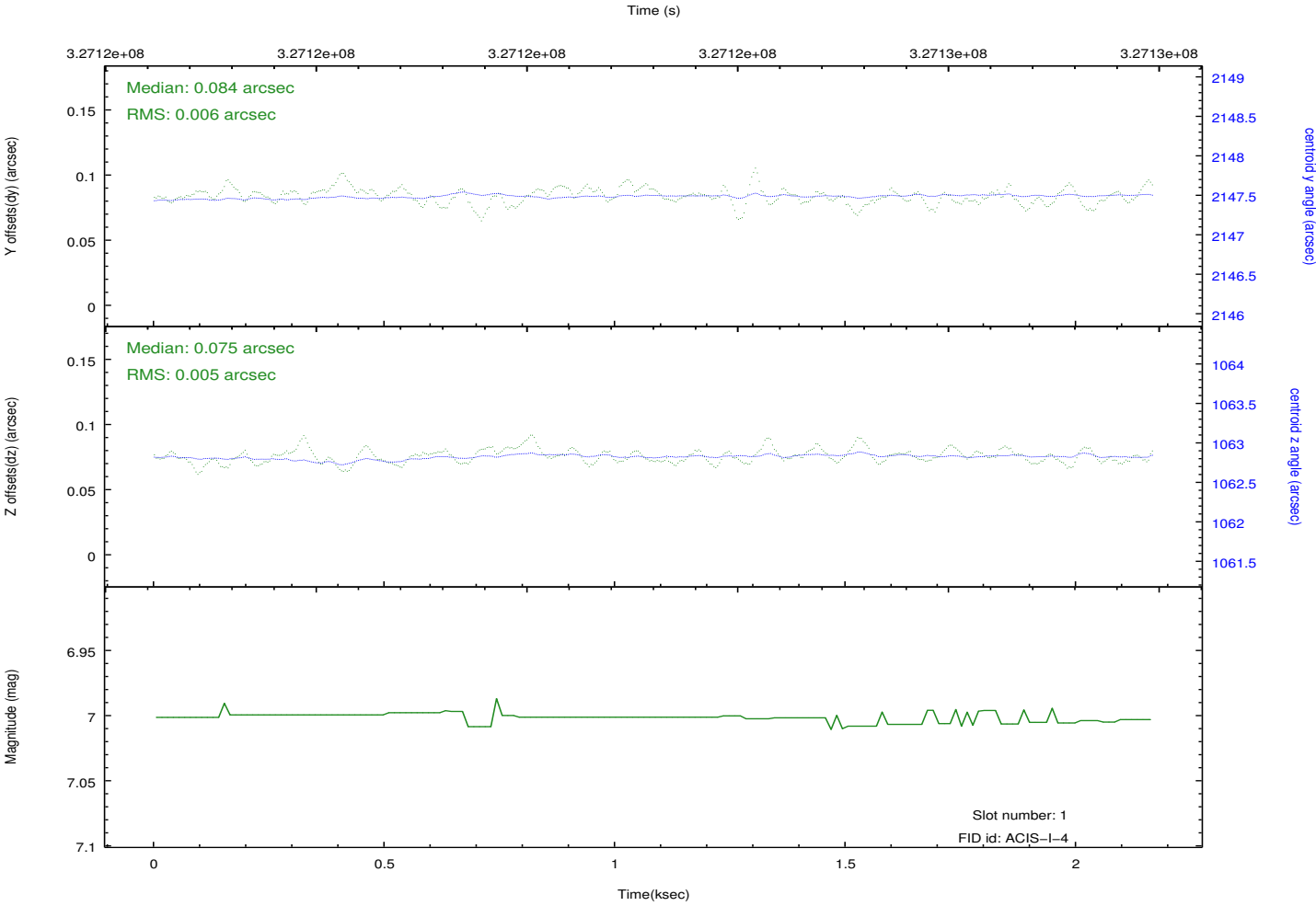
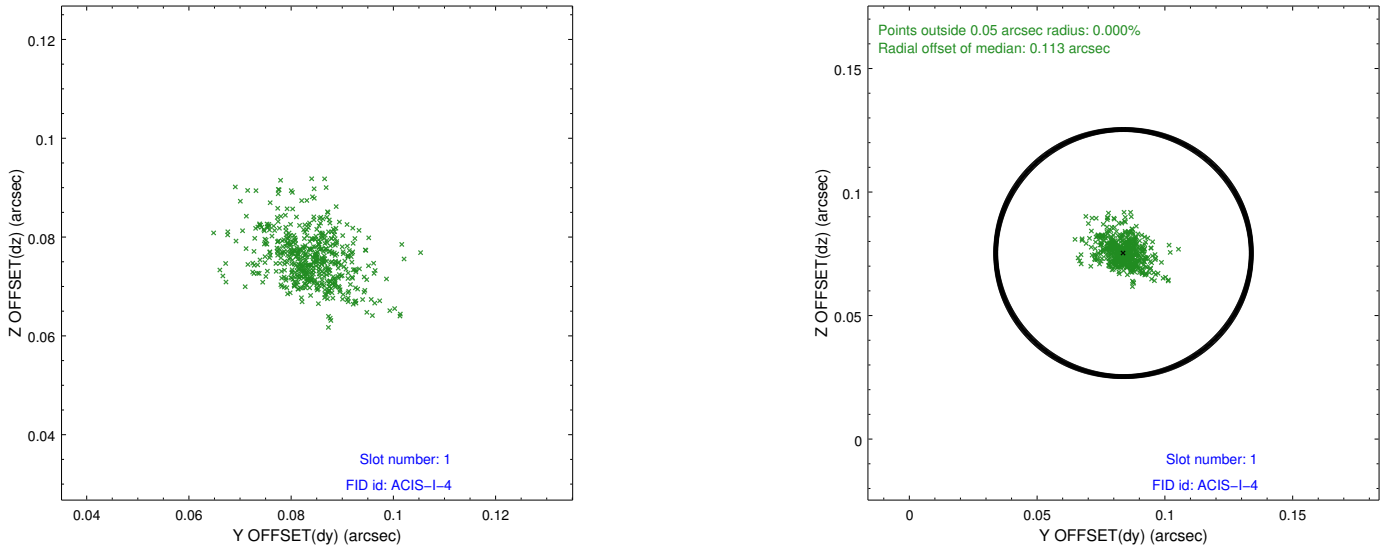


2.5 FID Slots

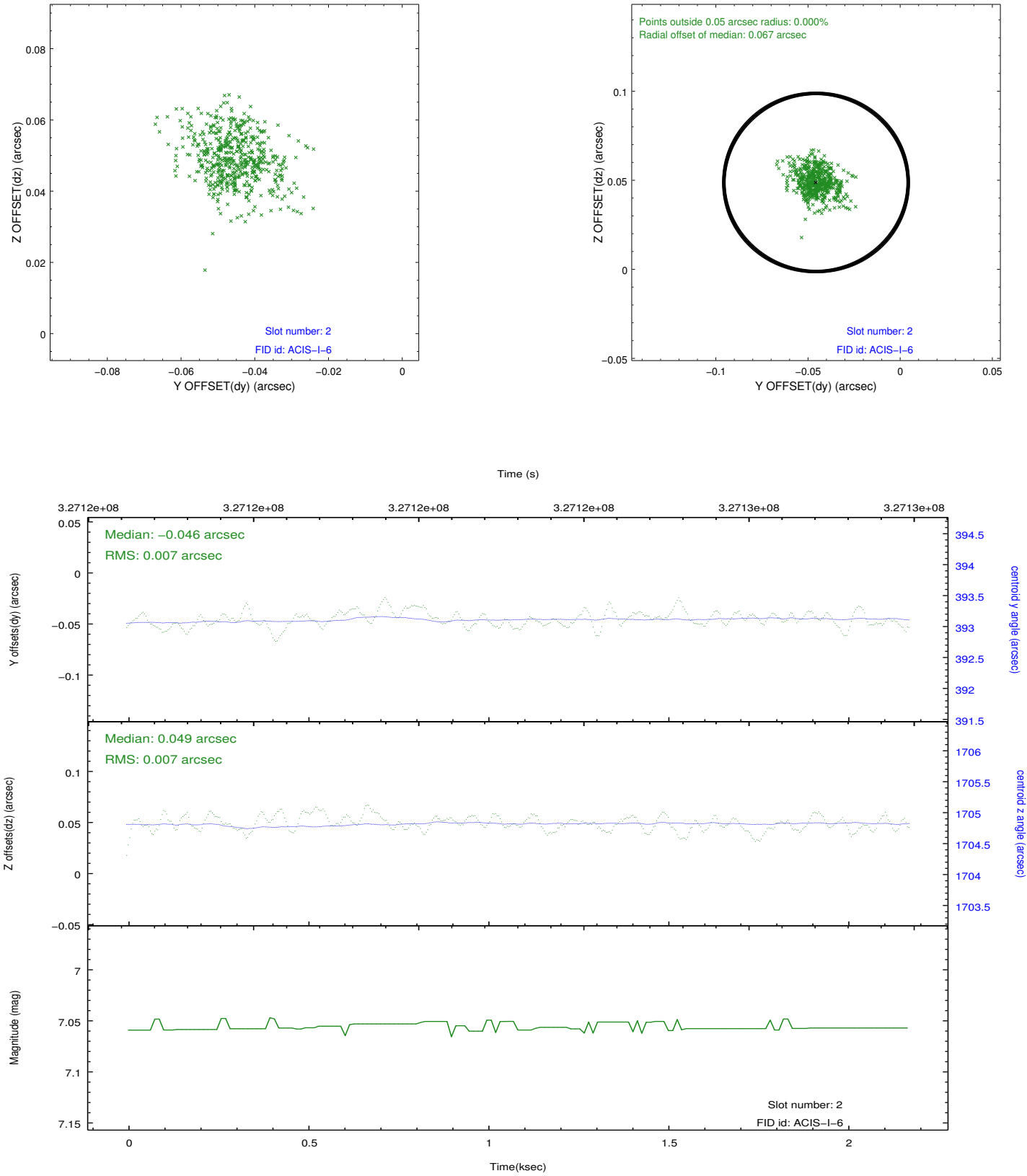
2.5.1 Slot 0



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	2.17620001

A.2 Comments

Joint proposal with NOAO.