

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8730 - L2 Version 2
Chandra X-Ray Center

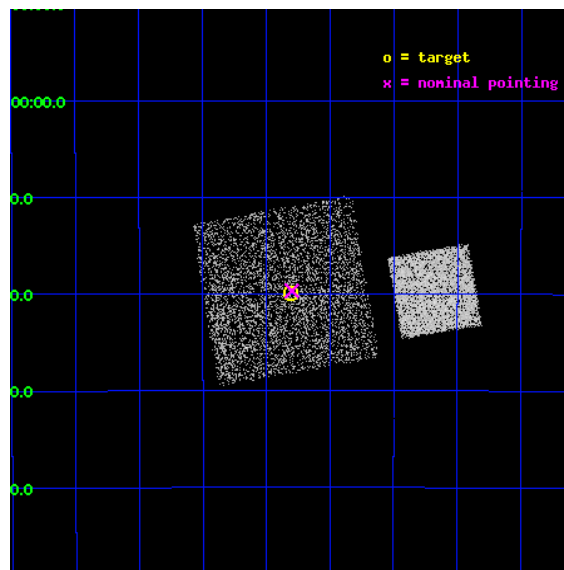
L2 Processing Date : May 14 2012

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1 Front

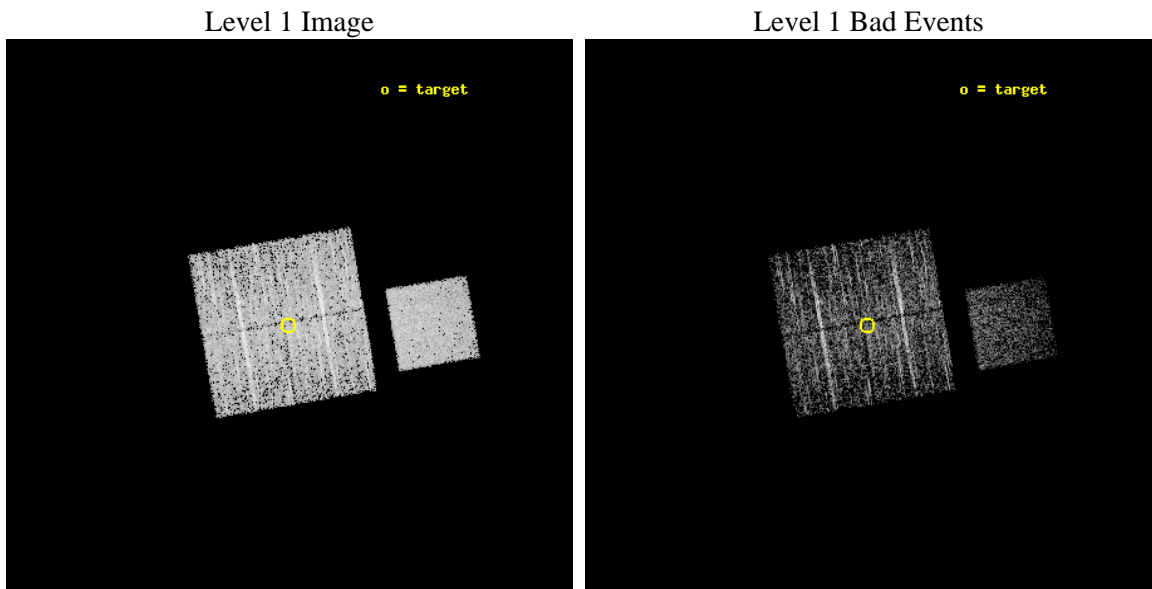
seq_num	400781	Sequence number
obs_id	8730	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	269.202095	Observer's specified target RA [deg]
dec_targ	-27.332506	Observer's specified target Dec [deg]
ra_nom	269.20005352062	Nominal RA [deg]
dec_nom	-27.327958857328	Nominal Dec [deg]
roll_nom	80.207689956422	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2038.9395550489	Sum of GTIs [s]
livetime	2012.2993087168	Livetime [s]
ontime0	2038.816435039	Sum of GTIs [s]
ontime1	2038.8574750423	Sum of GTIs [s]
ontime2	2038.8985150456	Sum of GTIs [s]
ontime3	2038.9395550489	Sum of GTIs [s]
ontime7	2038.9805950522	Sum of GTIs [s]
l2events	14489	Number of level 2 events



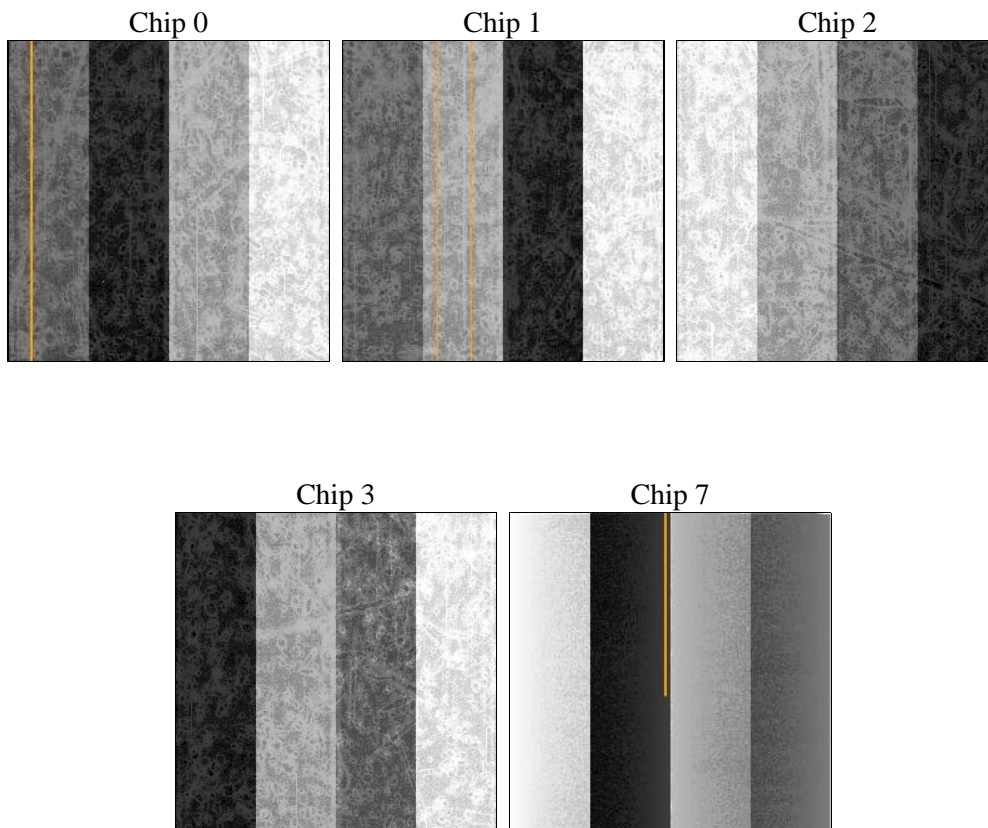
2 OBI

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	2038.9395550489	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	2038.816435039	Sum of GTIs [s]
date	2012-05-14T20:45:34	Date and time of file creation	ontime1	2038.8574750423	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2038.8985150456	Sum of GTIs [s]
			ontime3	2038.9395550489	Sum of GTIs [s]
			ontime7	2038.9805950522	Sum of GTIs [s]
			l1events	87381	Number of level 1 events

2.1.4 Events

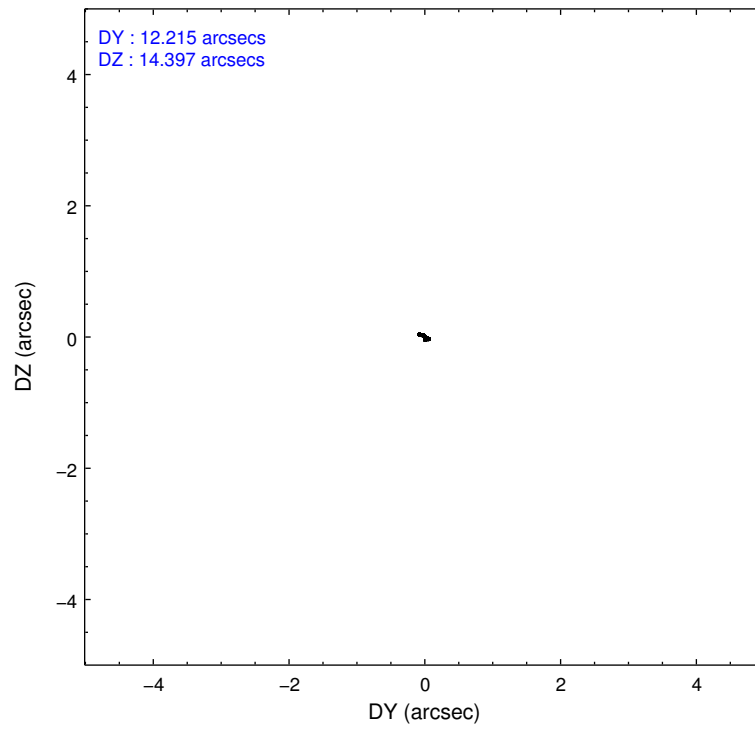
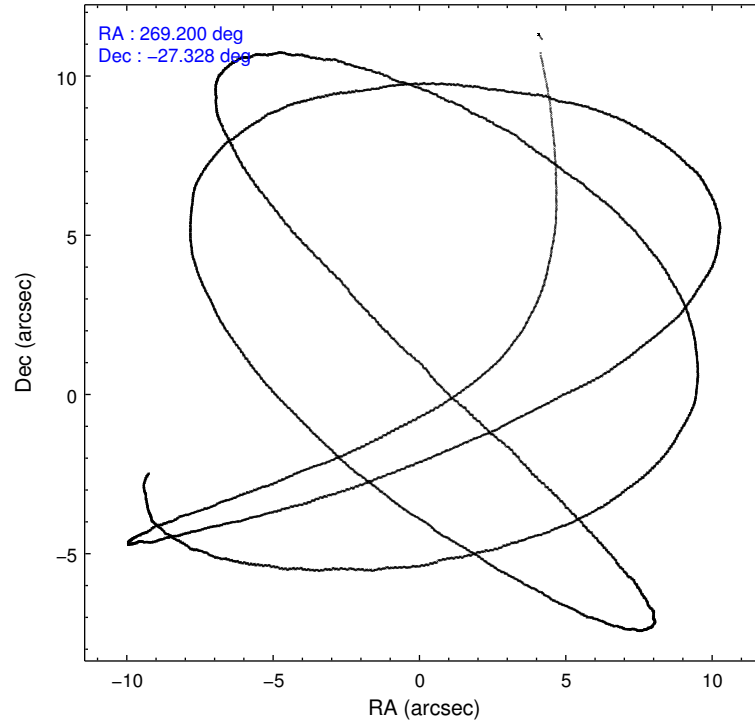
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	16463	16418	17940	17301	19259
rejected events	14677	14319	16185	15587	10719
rejected %	89%	87%	90%	90%	55%

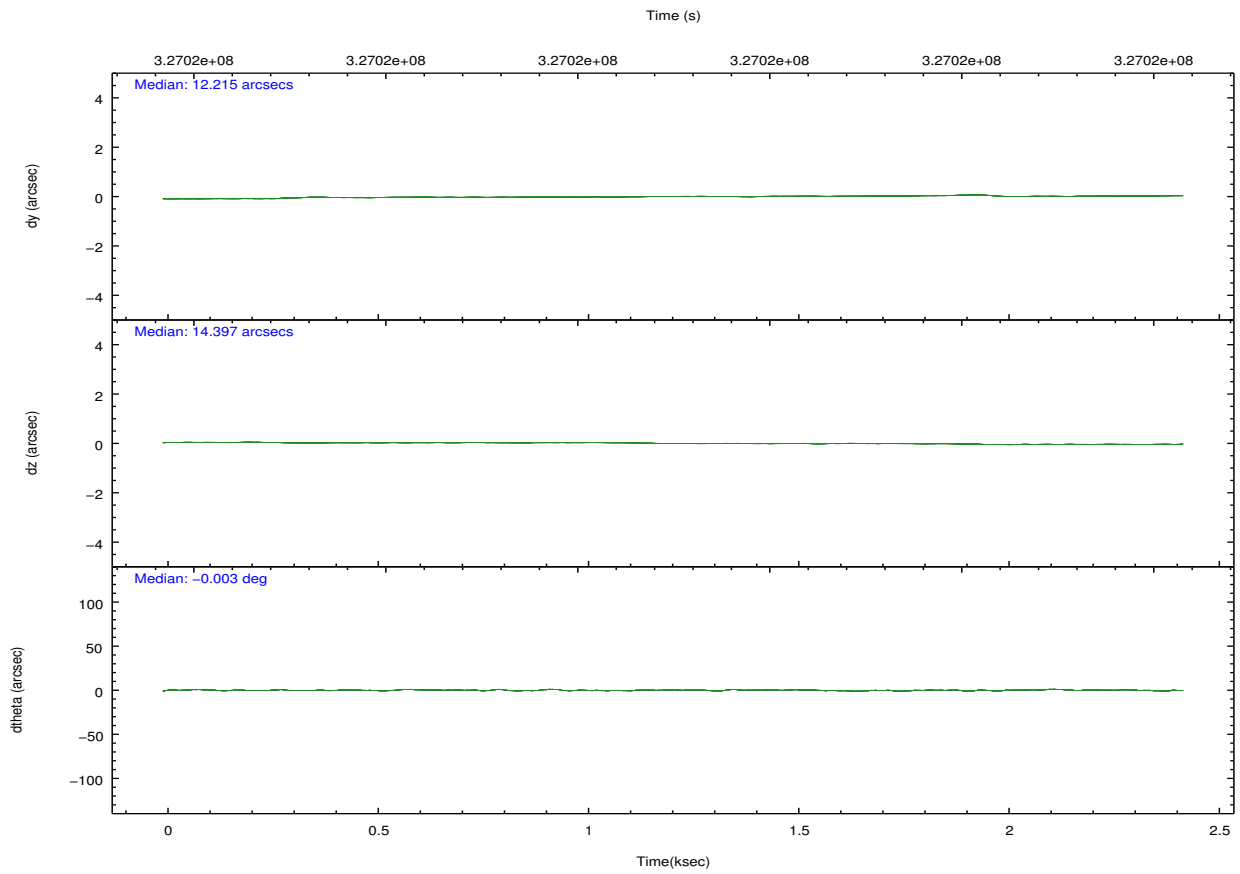
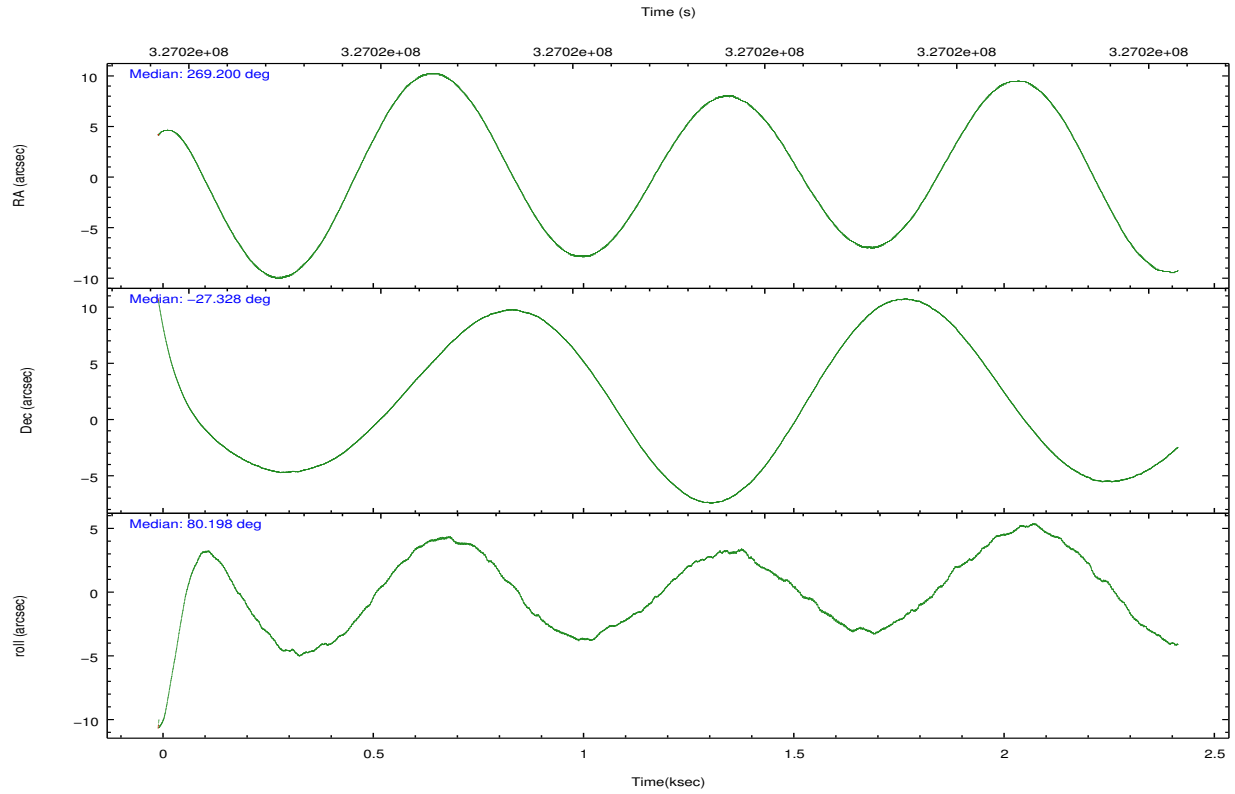
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	774	866	723	706	877
	4%	5%	4%	4%	4%
grade 1 events	9	9	11	13	23
	0%	0%	0%	0%	0%
grade 2 events	405	491	451	365	1824
	2%	2%	2%	2%	9%
grade 3 events	214	245	183	206	865
	1%	1%	1%	1%	4%
grade 4 events	189	225	193	201	859
	1%	1%	1%	1%	4%
grade 5 events	644	626	557	736	1960
	3%	3%	3%	4%	10%
grade 6 events	328	410	326	344	4690
	1%	2%	1%	1%	24%
grade 7 events	13900	13546	15496	14730	8161
	84%	82%	86%	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	269.211064	269.2000535206196	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.353545	-27.3279588573277	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004124	80.20768995642199	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)	327018462.184000	327017249.17347	CCD S5 on	N	N
Observation start date	2008-05-12T22:26:37	2008-05-12T22:07:29	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327020462.184000	327020596.31114	On-chip summing requested	N	N
Observation end date	2008-05-12T22:59:57	2008-05-12T23:03:16	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



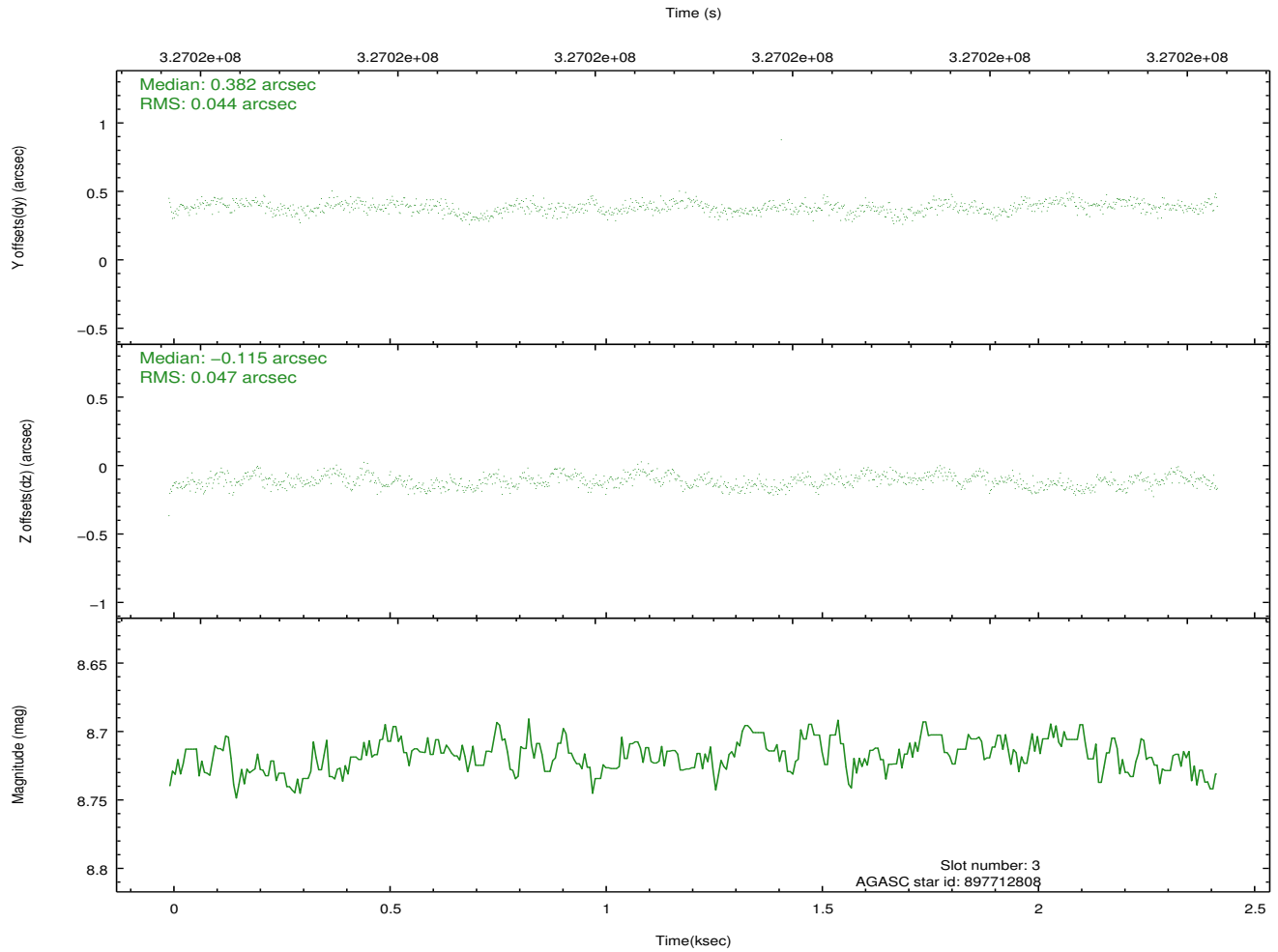
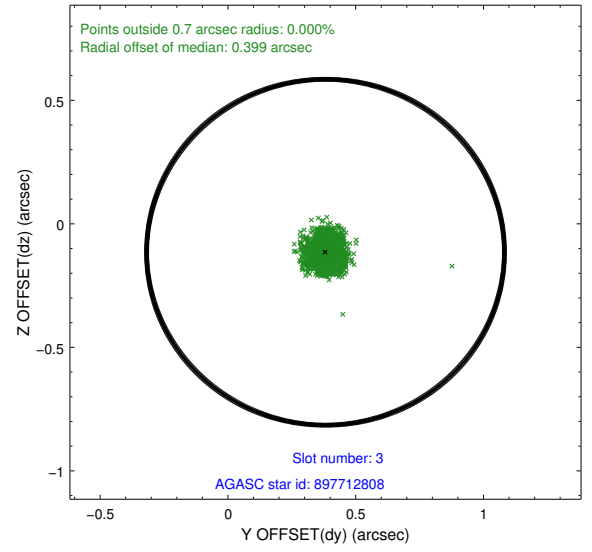
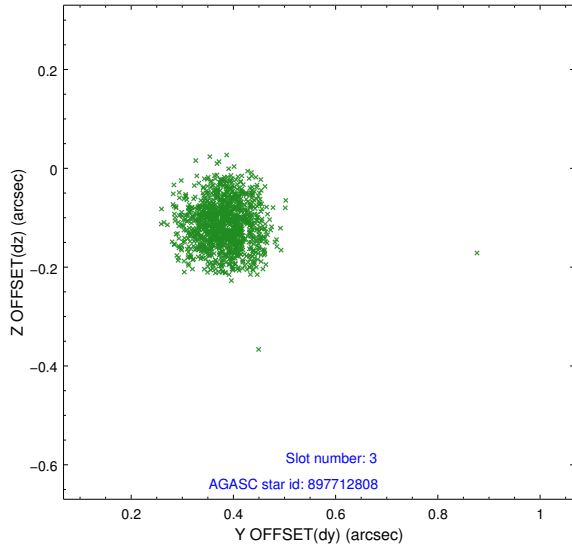


Slot Statistics

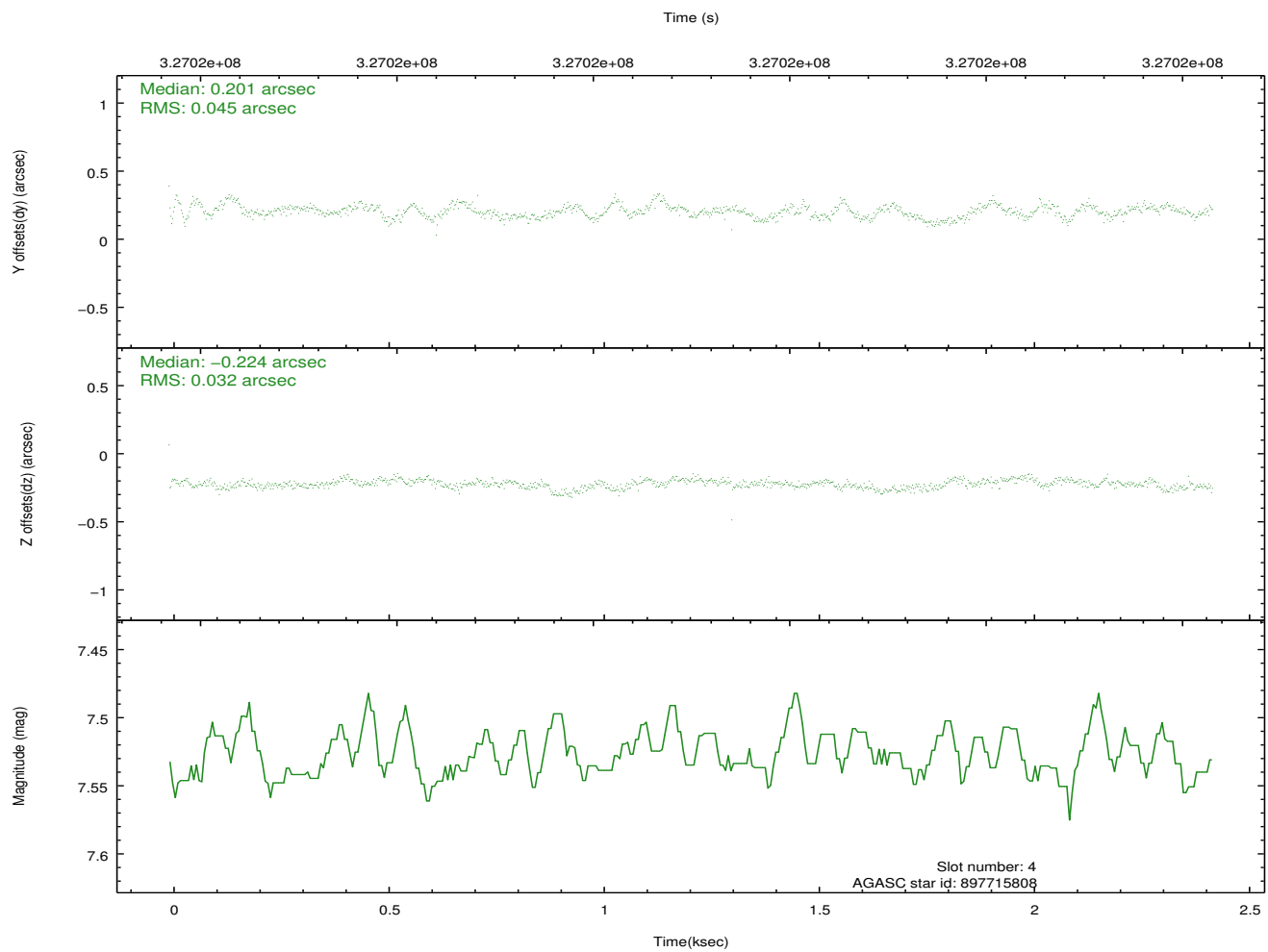
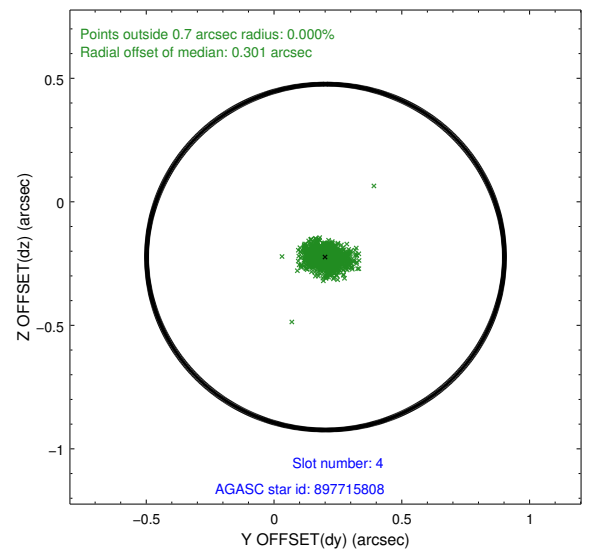
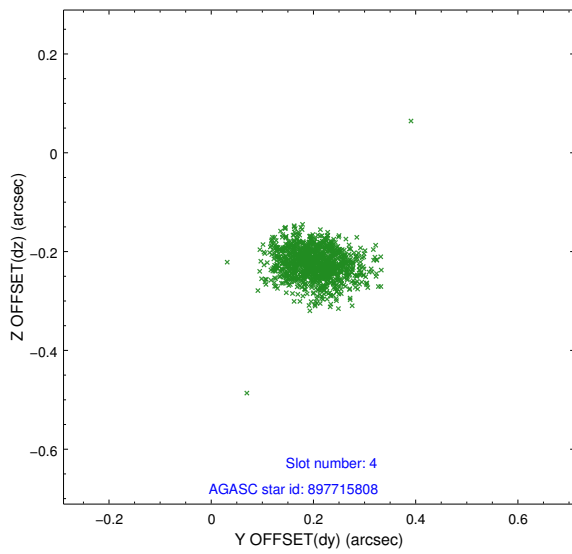
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	592	-0.011	0.042	0.006	0.010	0.000000	0.000000	927.33	-837.93
1	FID	ACIS-I-5	6.99	592	-0.145	0.018	0.005	0.010	0.000000	0.000000	-1819.45	1058.16
2	FID	ACIS-I-6	7.00	592	0.064	0.009	0.006	0.010	0.000000	0.000000	390.02	1705.71
3	GUIDE	897712808	8.72	1183	0.382	-0.115	0.068	0.102	268.777505	-27.542029	-910.17	1244.01
4	GUIDE	897715808	7.53	1184	0.201	-0.224	0.056	0.094	269.101805	-26.773394	1995.07	708.99
5	GUIDE	897716896	7.36	1183	-0.041	0.239	0.048	0.081	269.902616	-27.069631	1388.11	-2006.34
6	GUIDE	897721184	8.54	1184	-0.764	-0.389	0.066	0.106	268.625317	-26.632090	2227.15	2304.31
7	GUIDE	897720616	8.61	1183	0.221	0.490	0.075	0.116	269.886360	-27.876425	-1483.37	-2442.48

2.4 Star Slots

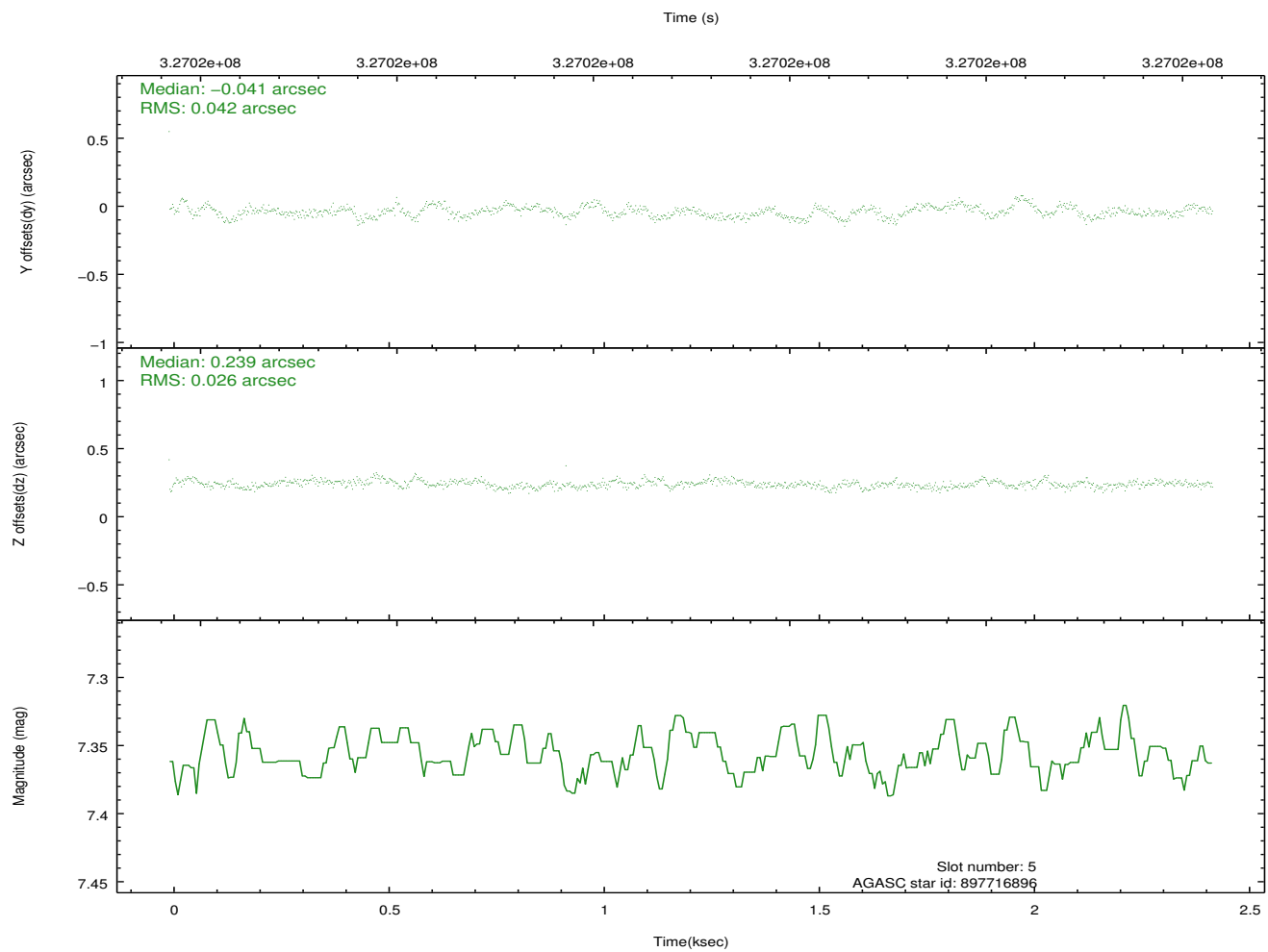
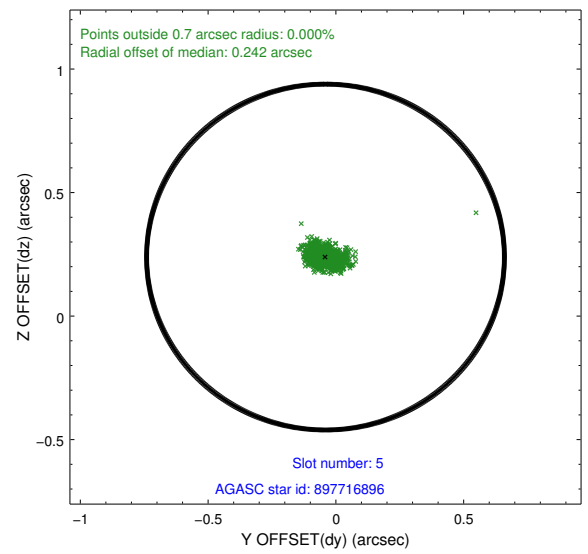
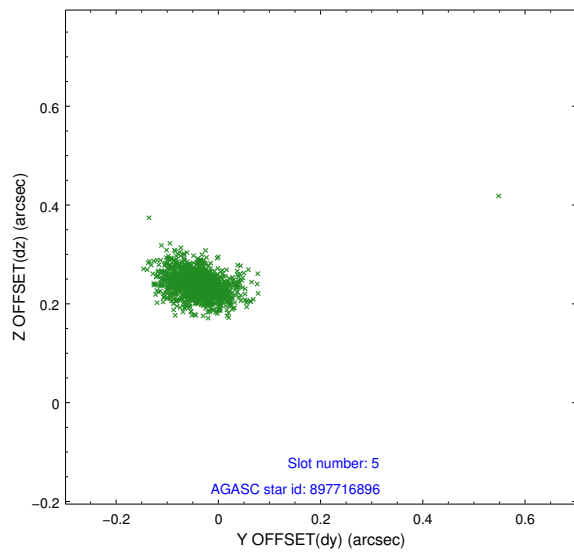
2.4.1 Slot 3



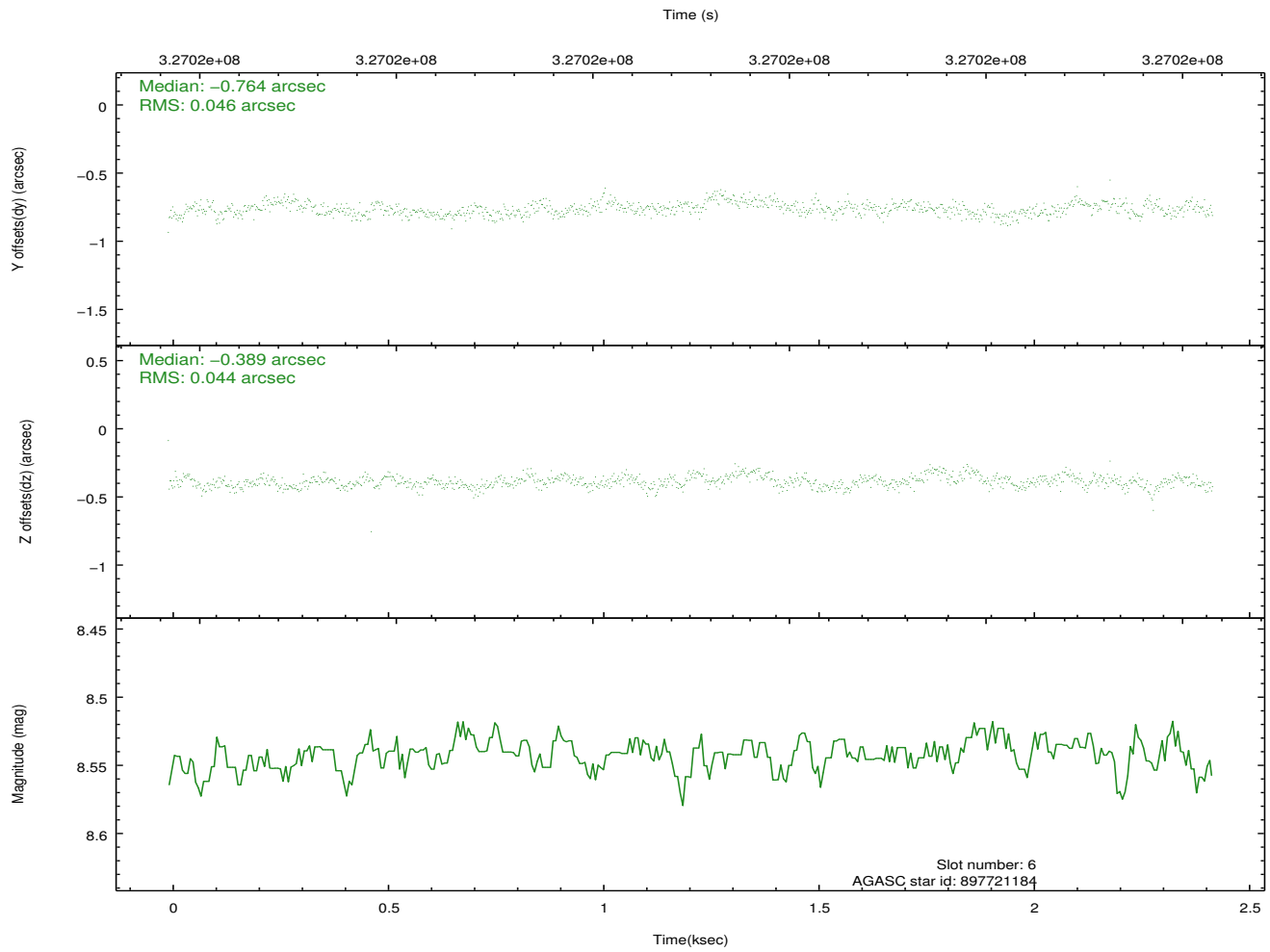
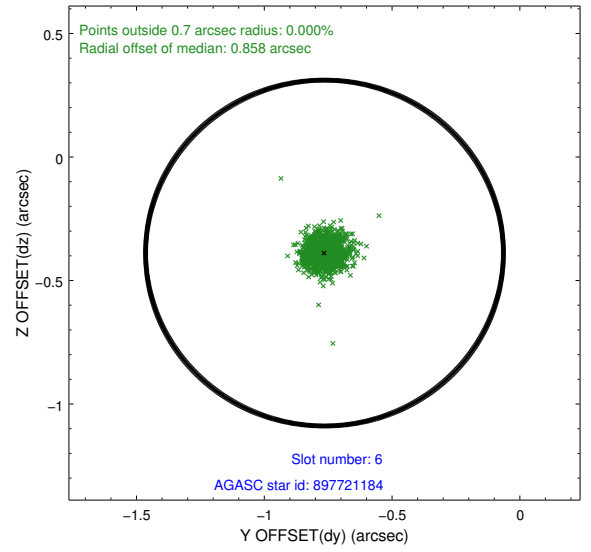
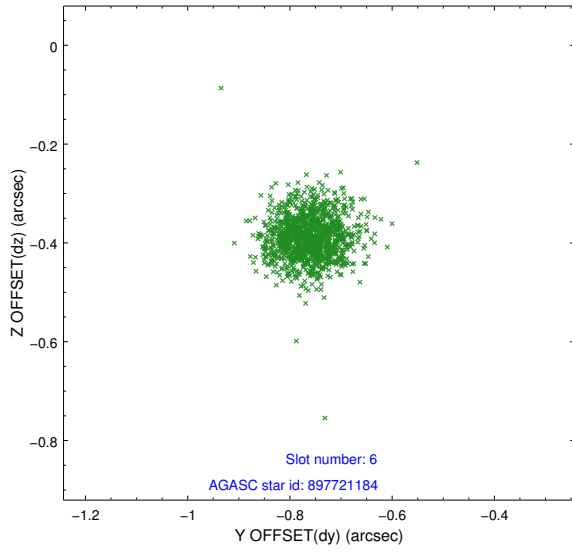
2.4.2 Slot 4



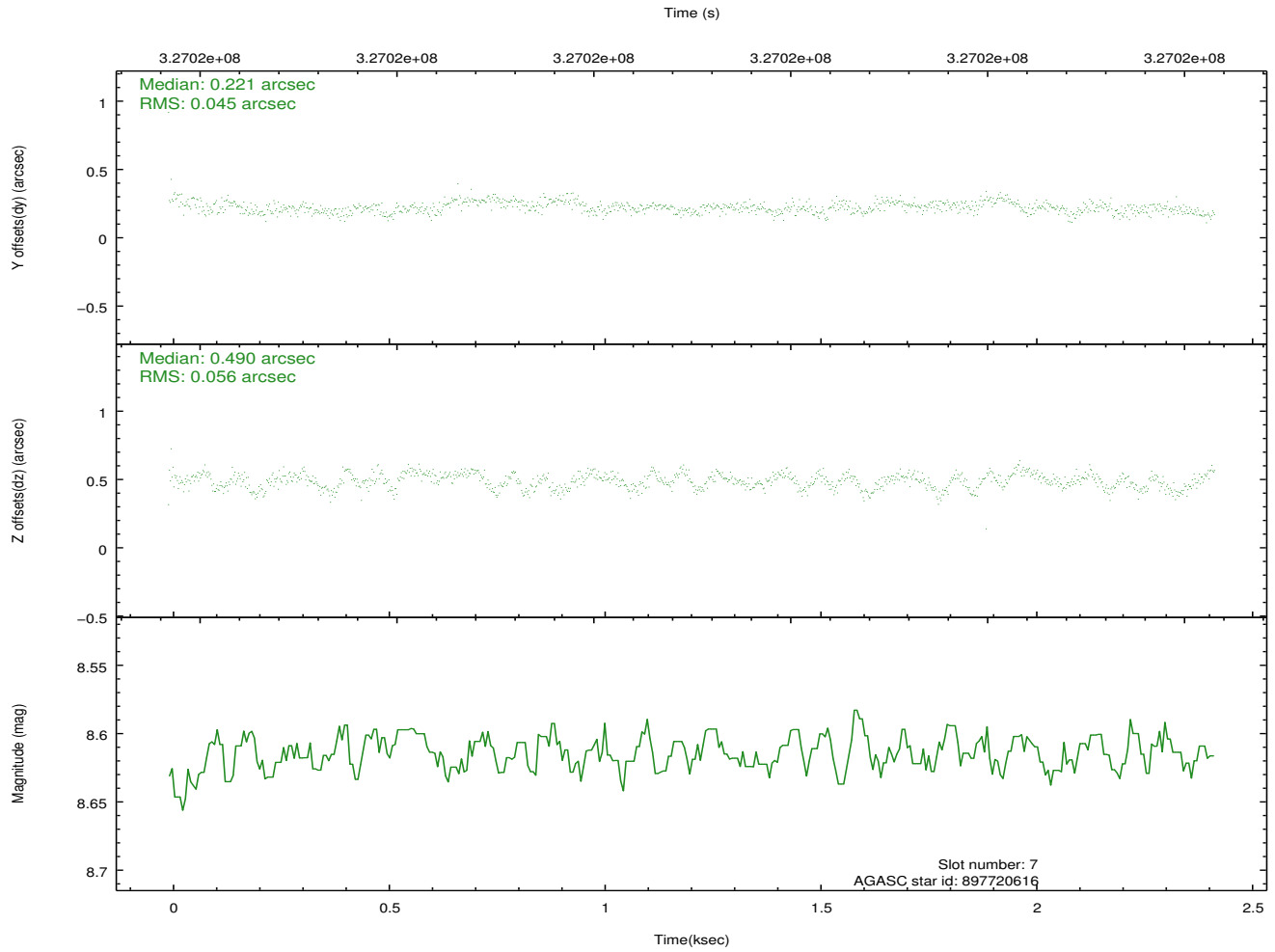
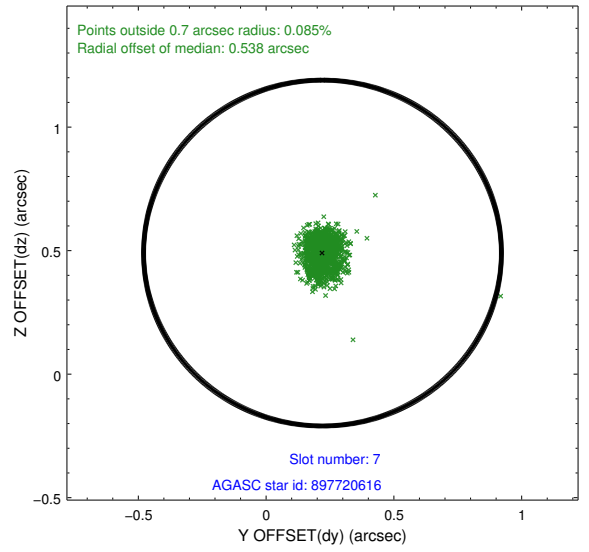
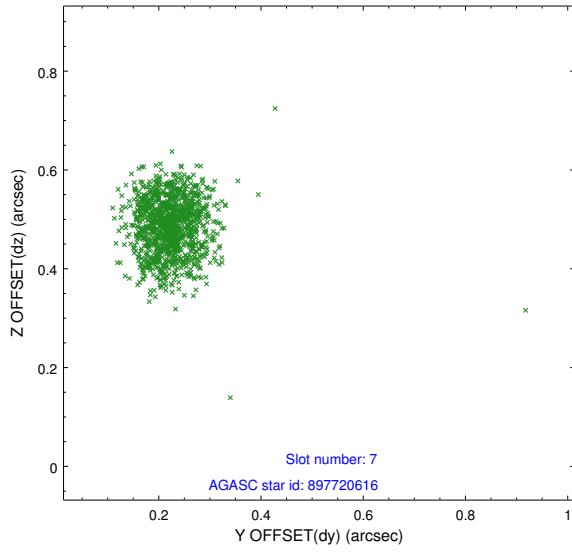
2.4.3 Slot 5



2.4.4 Slot 6

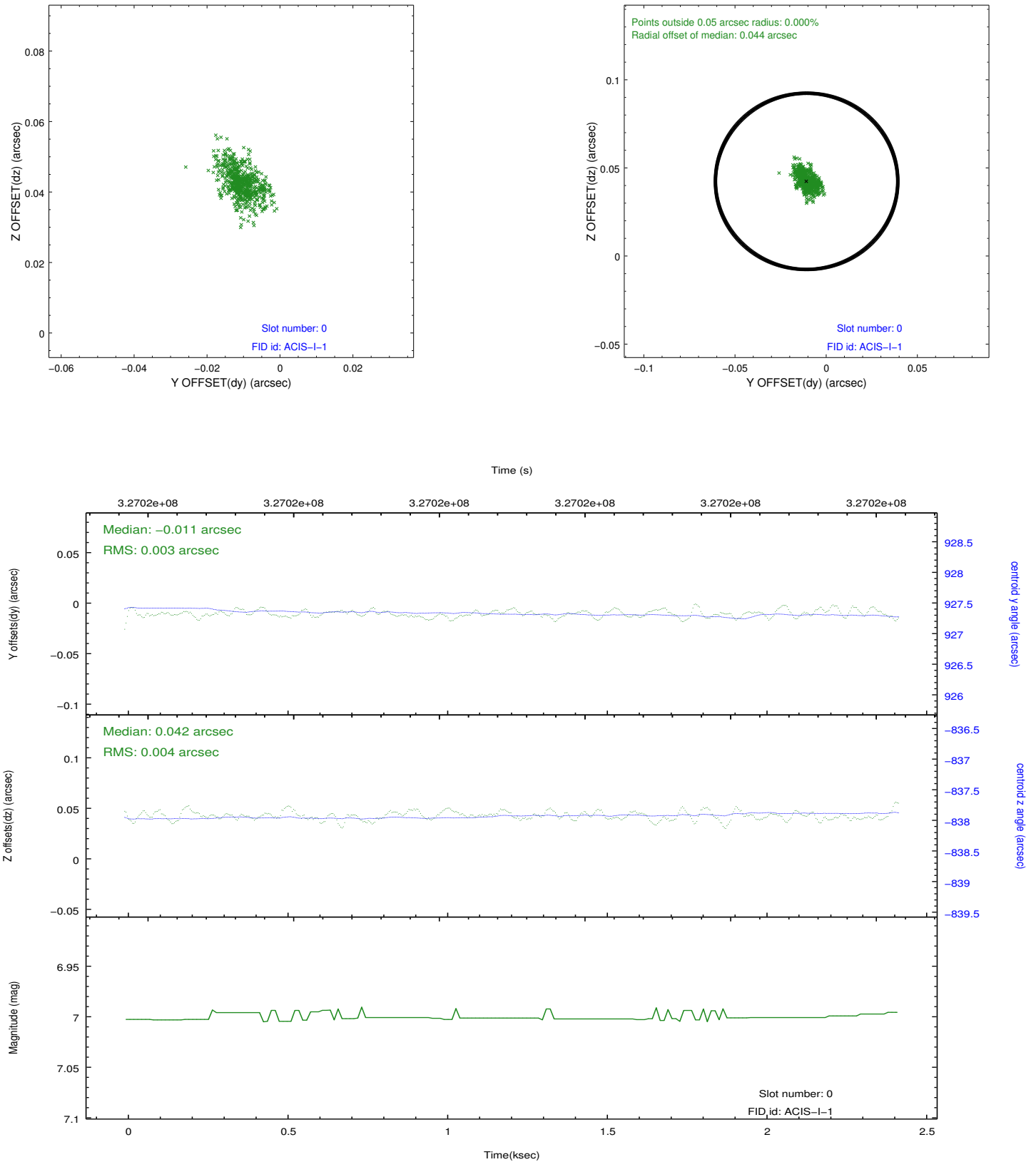


2.4.5 Slot 7

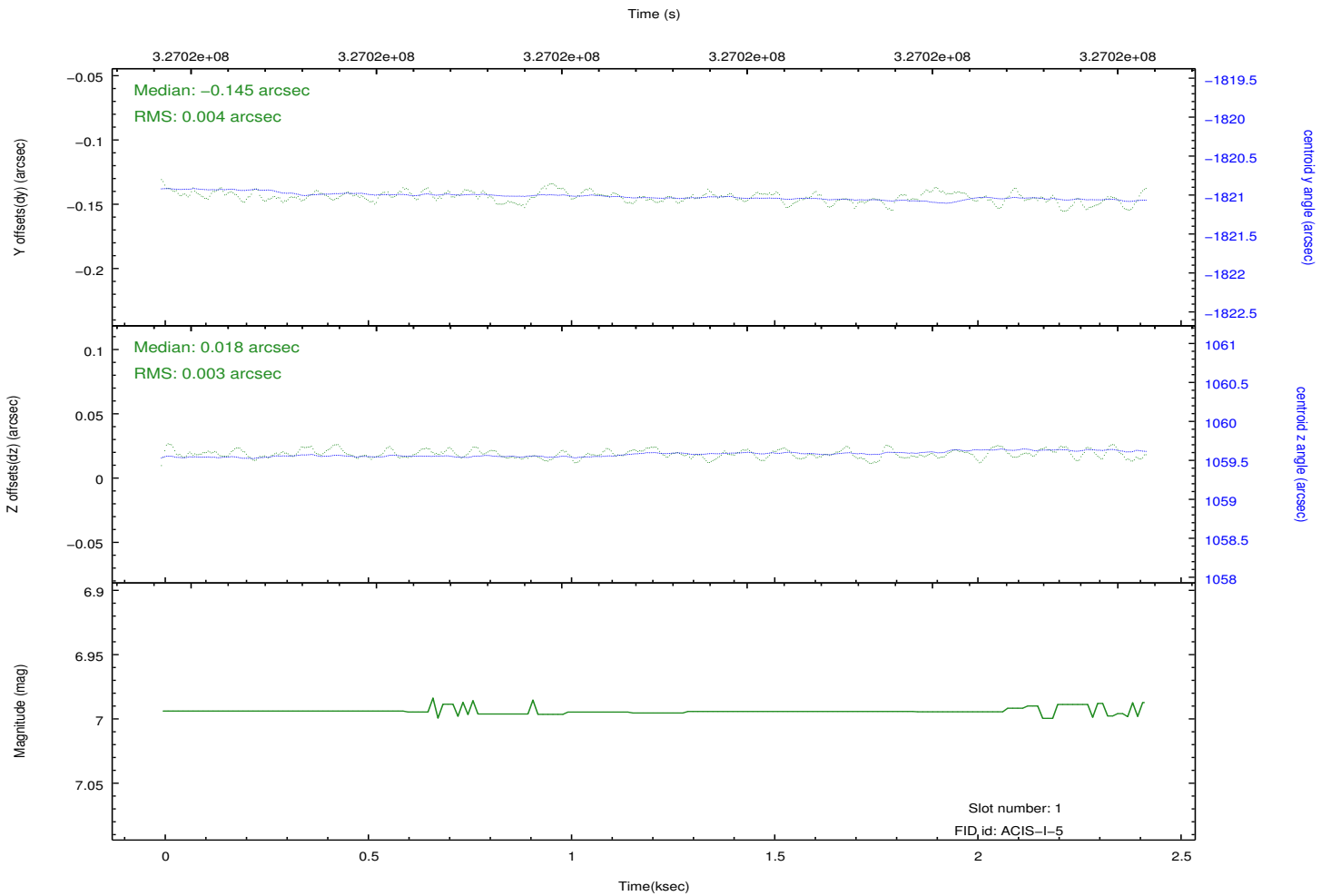
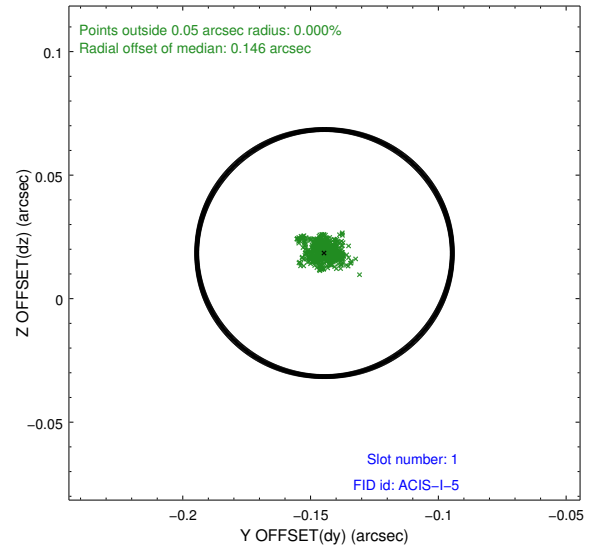
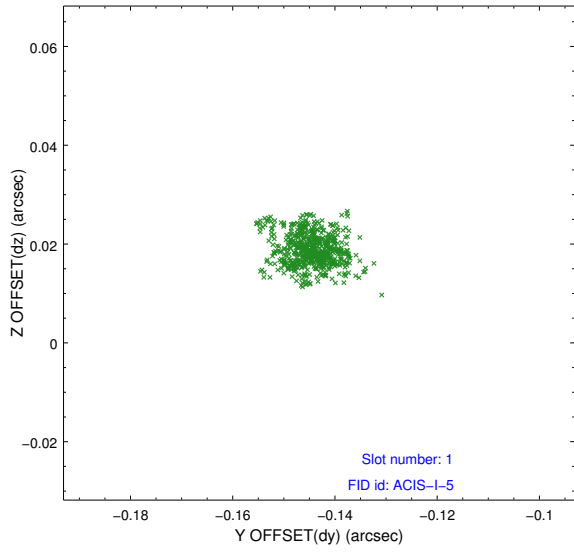


2.5 FID Slots

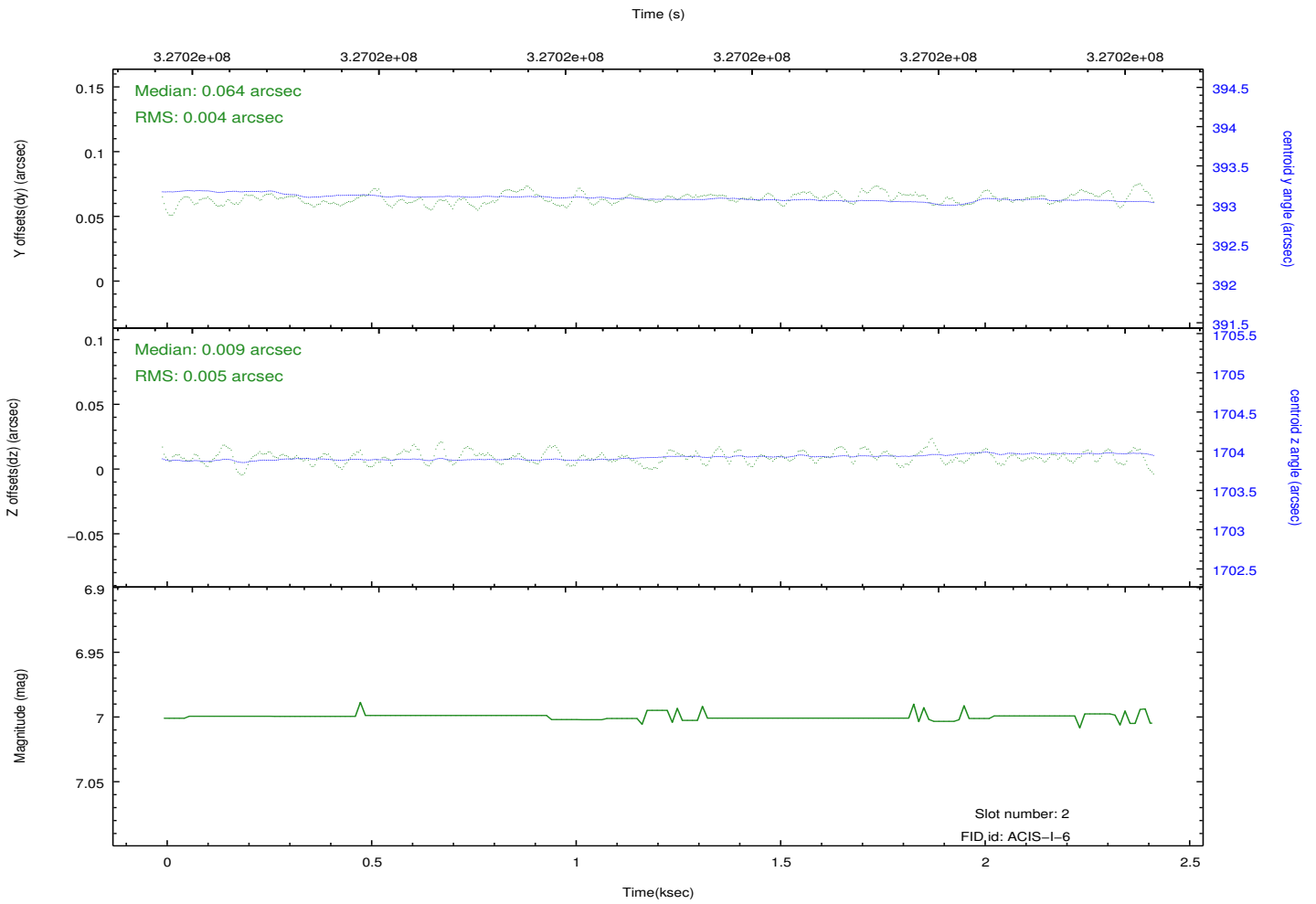
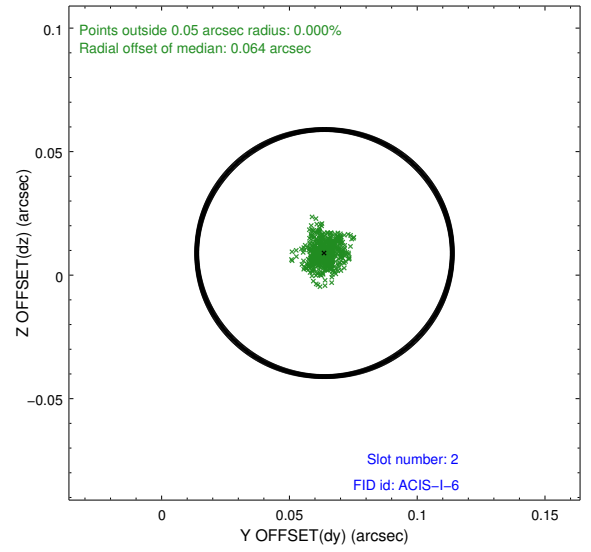
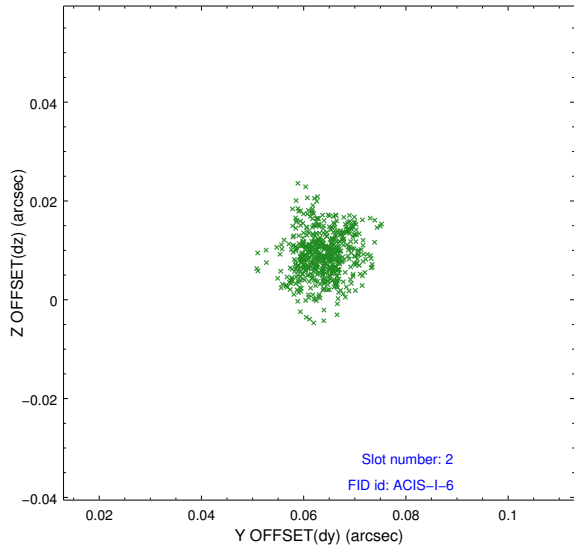
2.5.1 Slot 0



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)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.03980001

A.2 Comments

Joint proposal with NOAO.