

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8711 - L2 Version 2
Chandra X-Ray Center

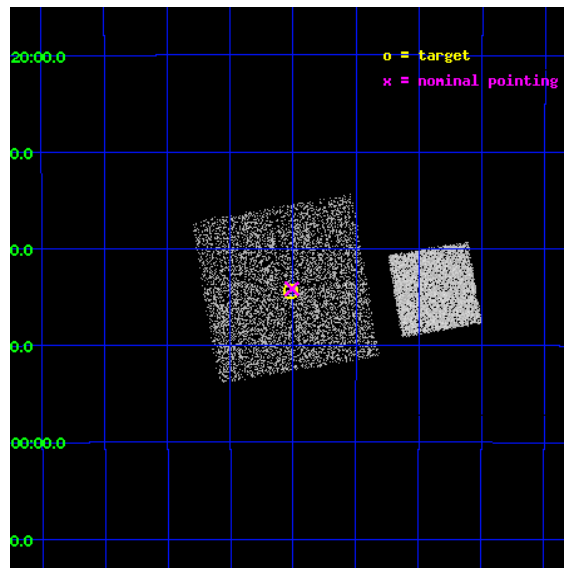
L2 Processing Date : May 14 2012

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1 Front

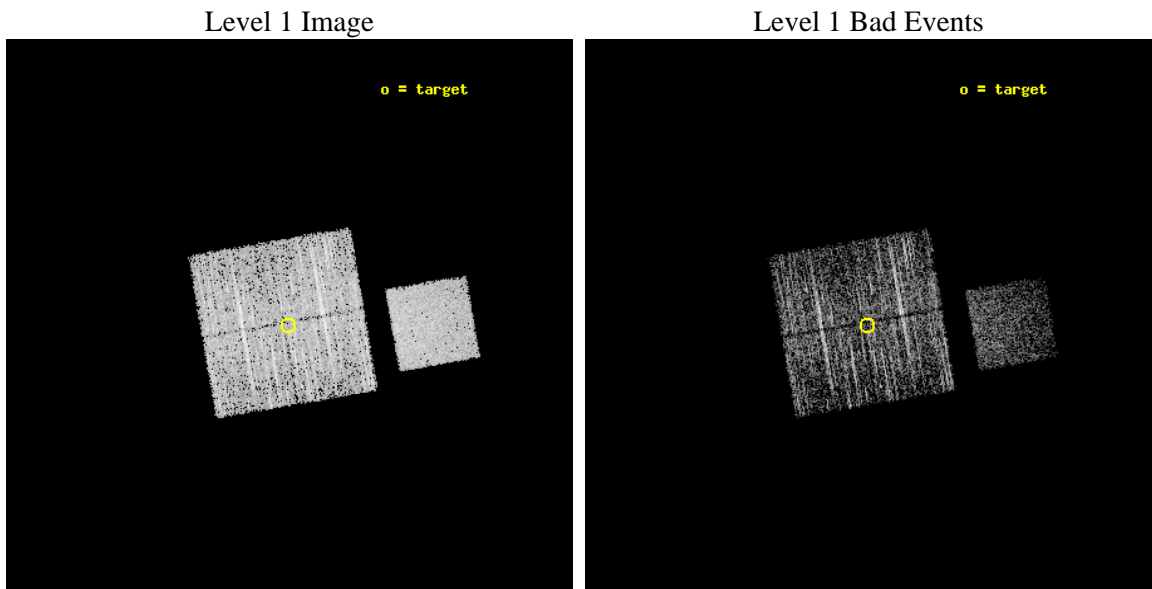
seq_num	400762	Sequence number
obs_id	8711	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.004502	Observer's specified target RA [deg]
dec_targ	-28.740603	Observer's specified target Dec [deg]
ra_nom	268.00249413157	Nominal RA [deg]
dec_nom	-28.735970523006	Nominal Dec [deg]
roll_nom	80.207730484347	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	17006	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	2012-05-14T23:20:31	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	106269	Number of level 1 events

2.1.4 Events

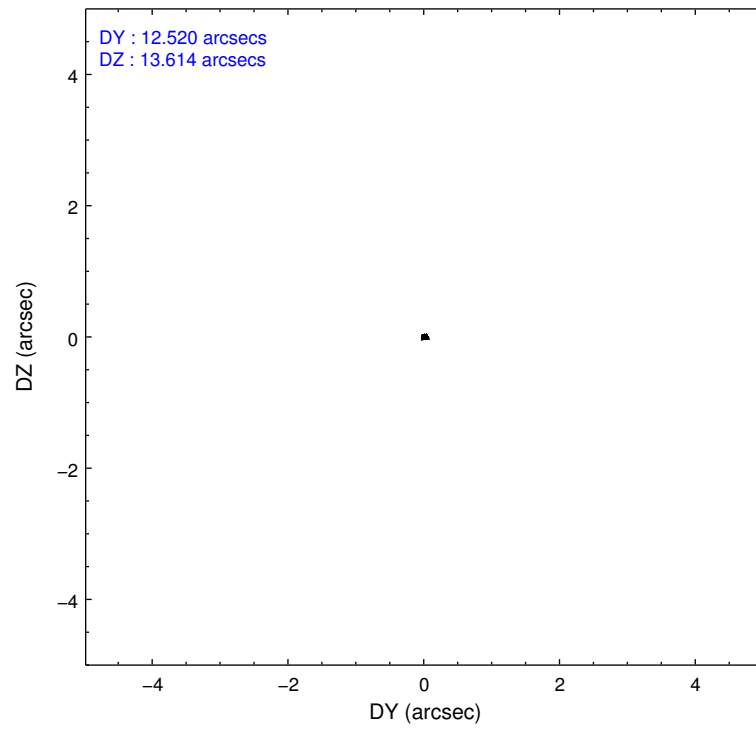
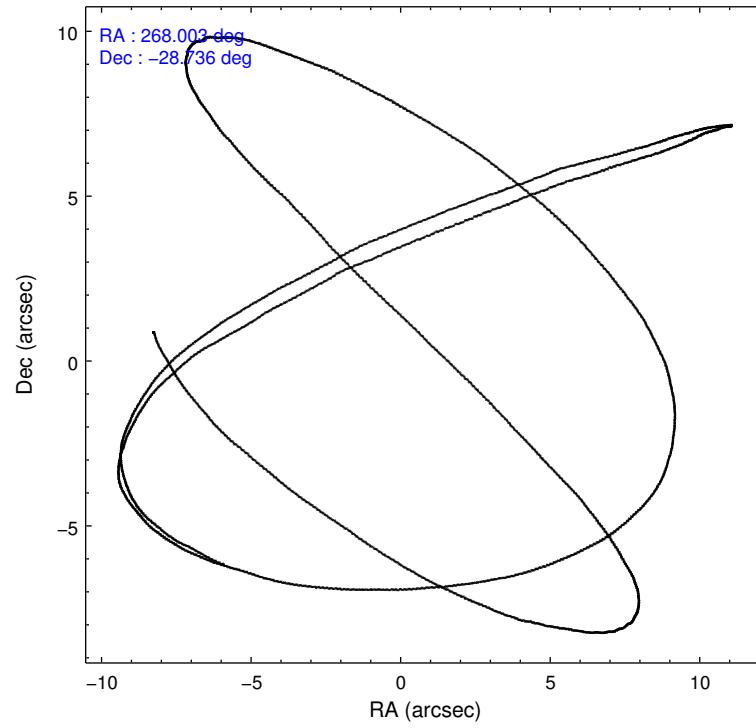
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19462	20149	22251	21354	23053
rejected events	17219	17696	20066	19062	13589
rejected %	88%	87%	90%	89%	58%

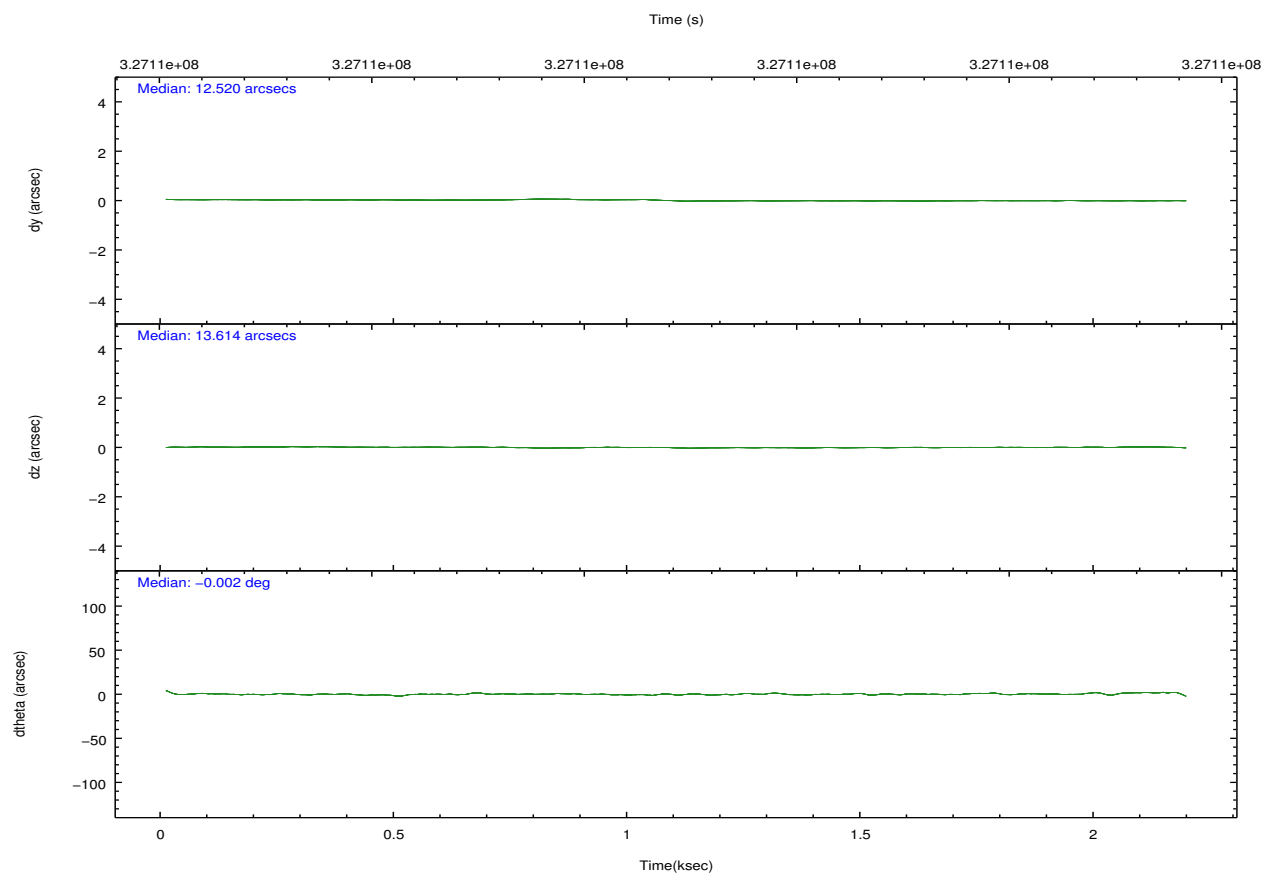
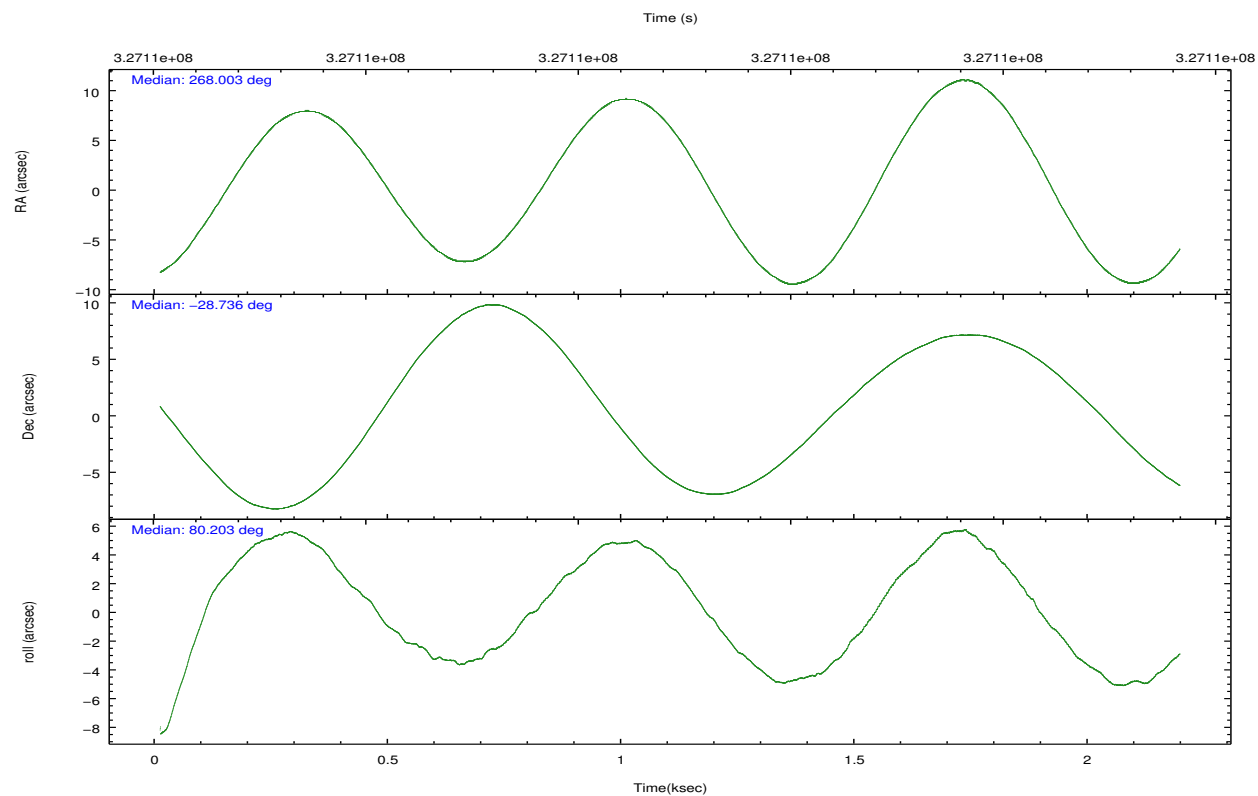
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1182	1356	1182	1198	1151
	6%	6%	5%	5%	4%
grade 1 events	15	14	10	17	27
	0%	0%	0%	0%	0%
grade 2 events	486	550	516	502	2213
	2%	2%	2%	2%	9%
grade 3 events	240	242	224	229	1024
	1%	1%	1%	1%	4%
grade 4 events	221	239	213	257	1051
	1%	1%	0%	1%	4%
grade 5 events	727	781	684	798	2405
	3%	3%	3%	3%	10%
grade 6 events	402	456	365	438	5434
	2%	2%	1%	2%	23%
grade 7 events	16189	16511	19057	17915	9748
	83%	81%	85%	83%	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	268.013592	268.0024941315667	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.761642	-28.73597052300578	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004377	80.20773048434741	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)	327106312.184000	327105935.76529	CCD S5 on	N	N
Observation start date	2008-05-13T22:50:47	2008-05-13T22:45:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327108312.184000	327108445.99042	On-chip summing requested	N	N
Observation end date	2008-05-13T23:24:07	2008-05-13T23:27:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



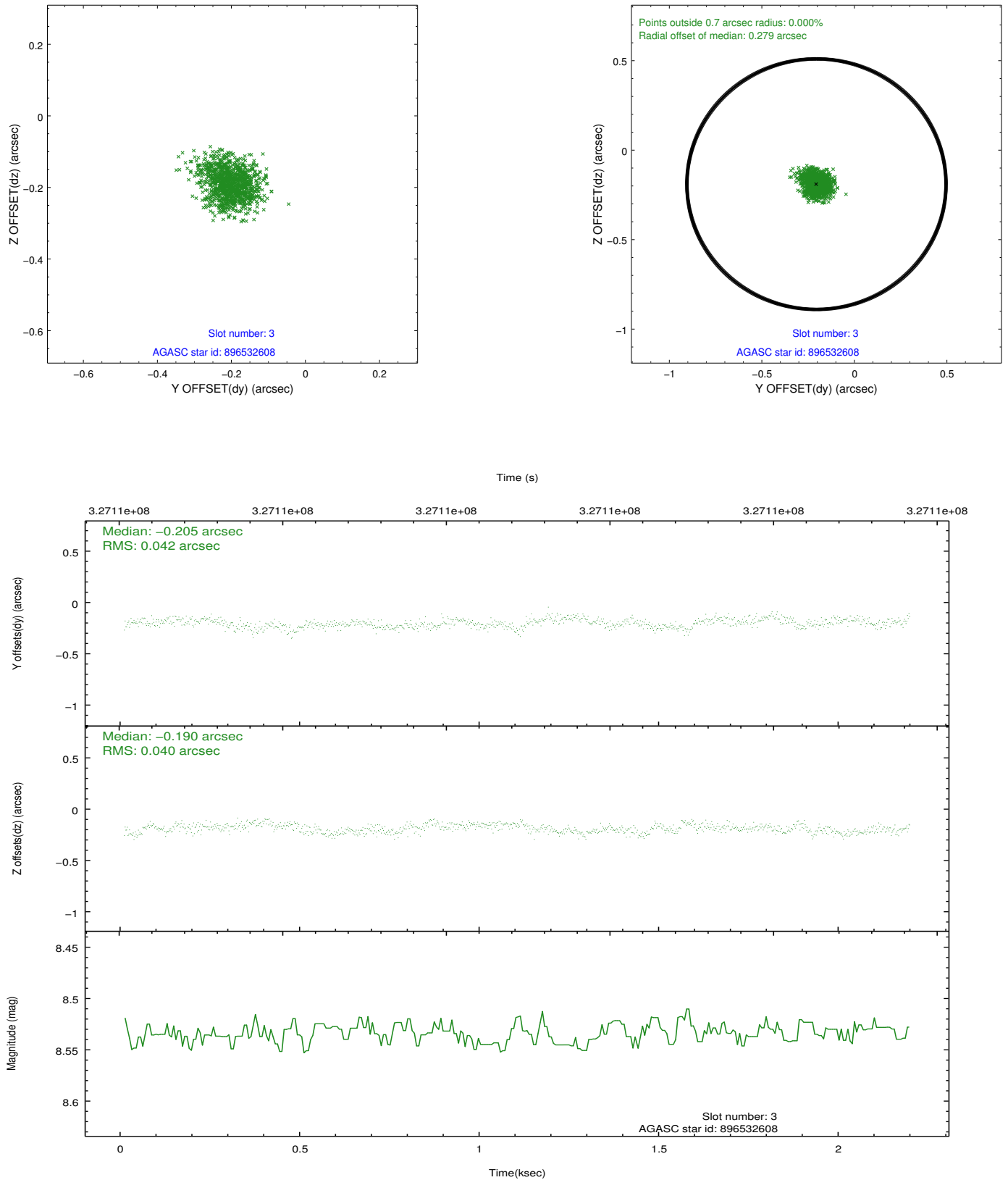


Slot Statistics

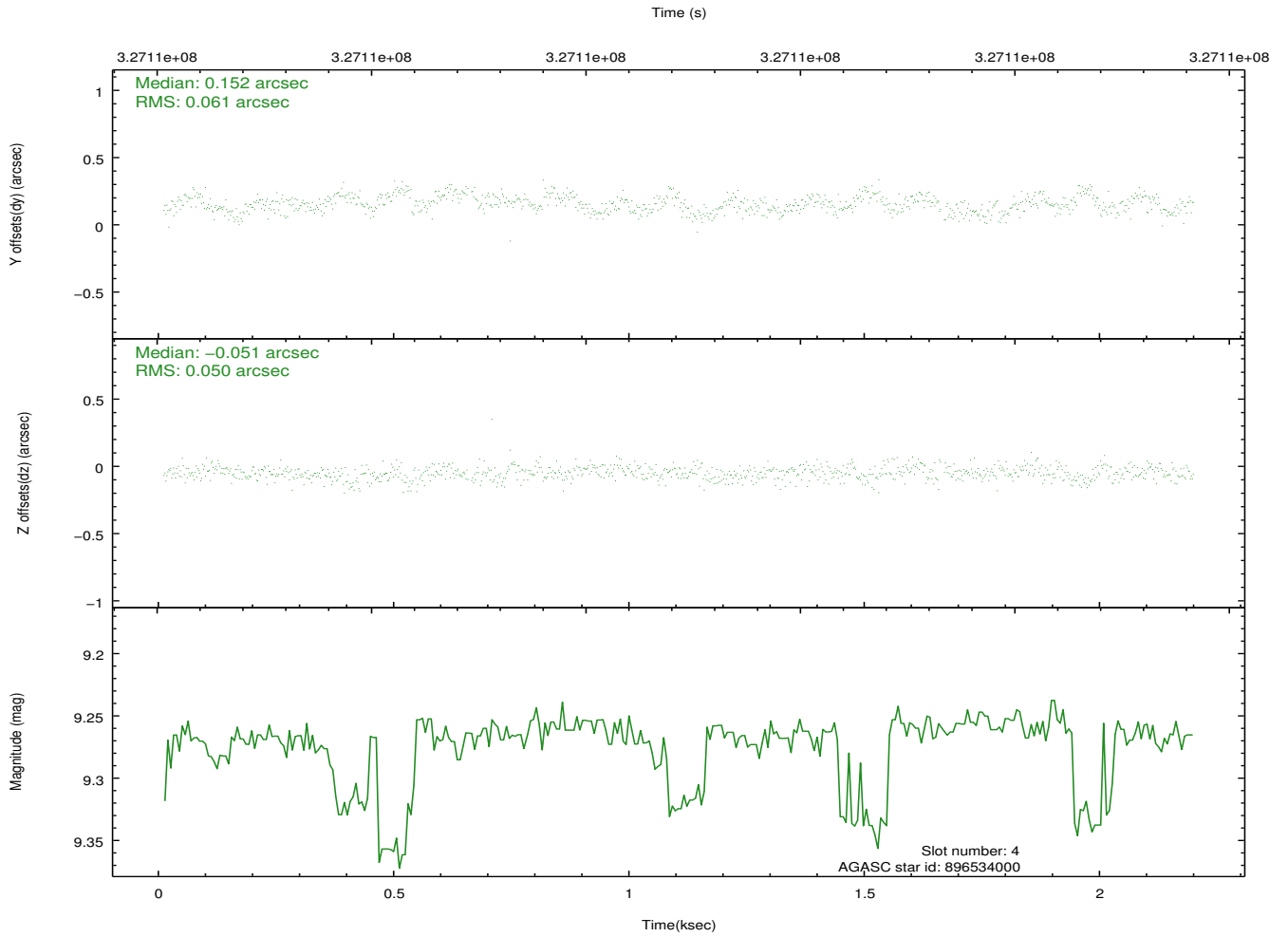
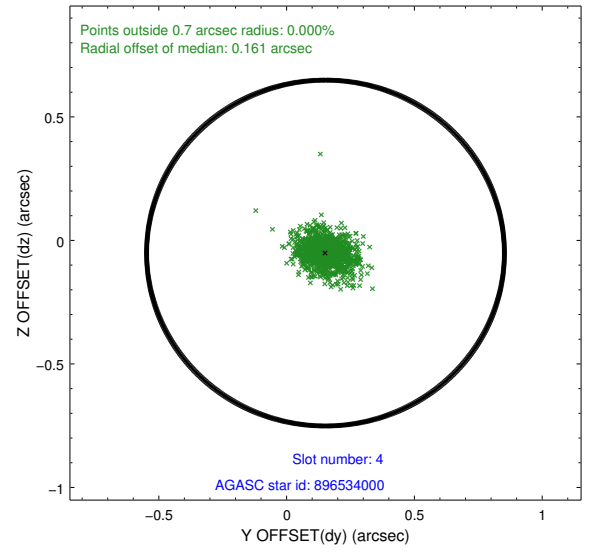
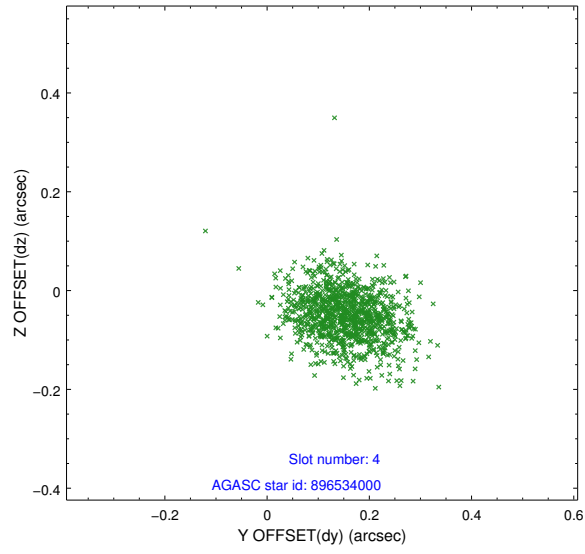
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.97	534	-0.074	-0.062	0.008	0.014	0.000000	0.000000	-767.25	-843.60
1	FID	ACIS-I-4	7.00	534	0.164	0.064	0.006	0.010	0.000000	0.000000	2145.68	1061.19
2	FID	ACIS-I-5	7.04	534	-0.190	0.068	0.008	0.014	0.000000	0.000000	-1817.37	1062.44
3	GUIDE	896532608	8.53	1067	-0.205	-0.190	0.062	0.097	267.503801	-28.129741	1956.20	1988.12
4	GUIDE	896534000	9.27	1061	0.152	-0.051	0.083	0.136	267.299113	-29.228915	-2050.58	1919.03
5	GUIDE	896540528	8.25	1068	-0.013	-0.013	0.066	0.107	267.368305	-29.314773	-2319.73	1649.41
6	GUIDE	898238128	7.70	1068	-0.137	0.137	0.069	0.110	268.450740	-28.688500	494.76	-1312.71
7	GUIDE	898247688	8.66	1067	0.203	0.114	0.067	0.109	268.426687	-29.012154	-663.36	-1439.00

2.4 Star Slots

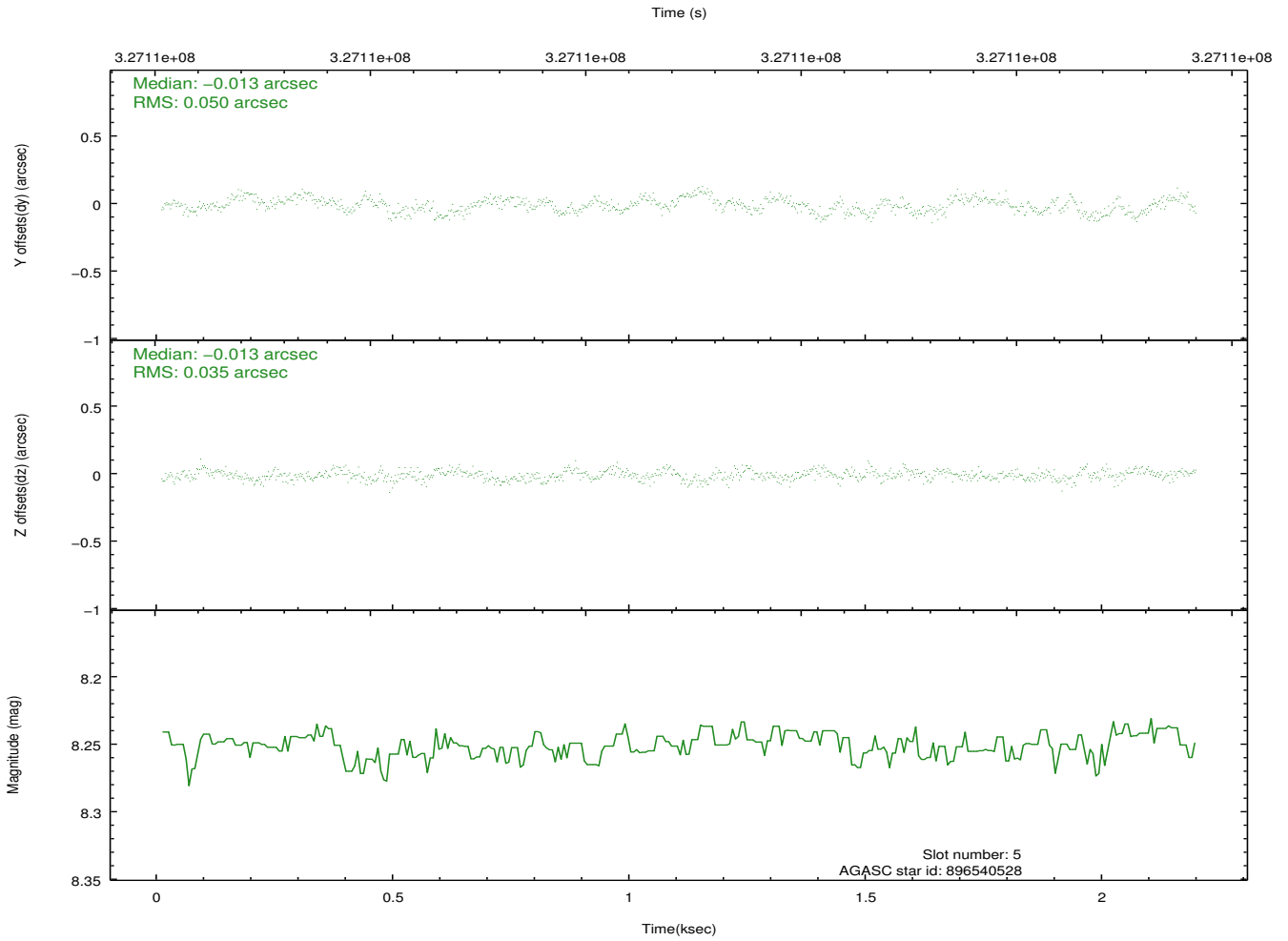
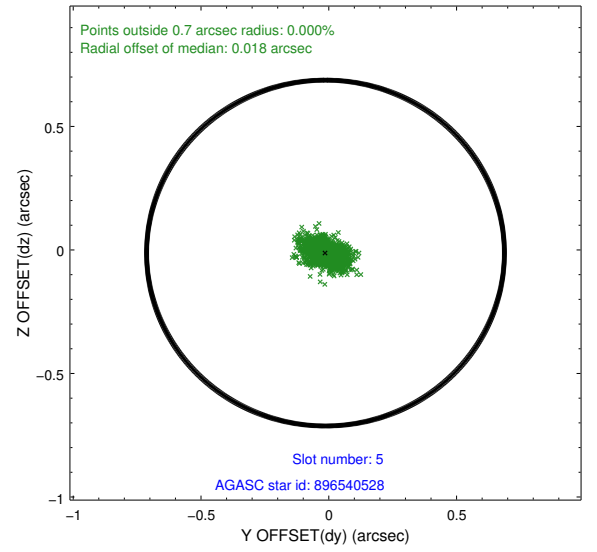
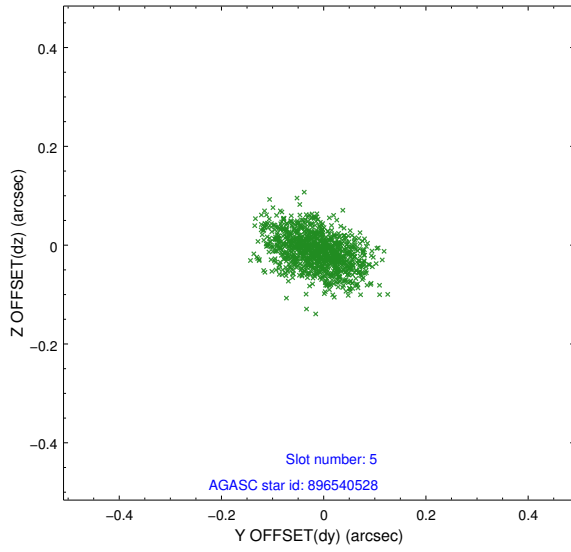
2.4.1 Slot 3



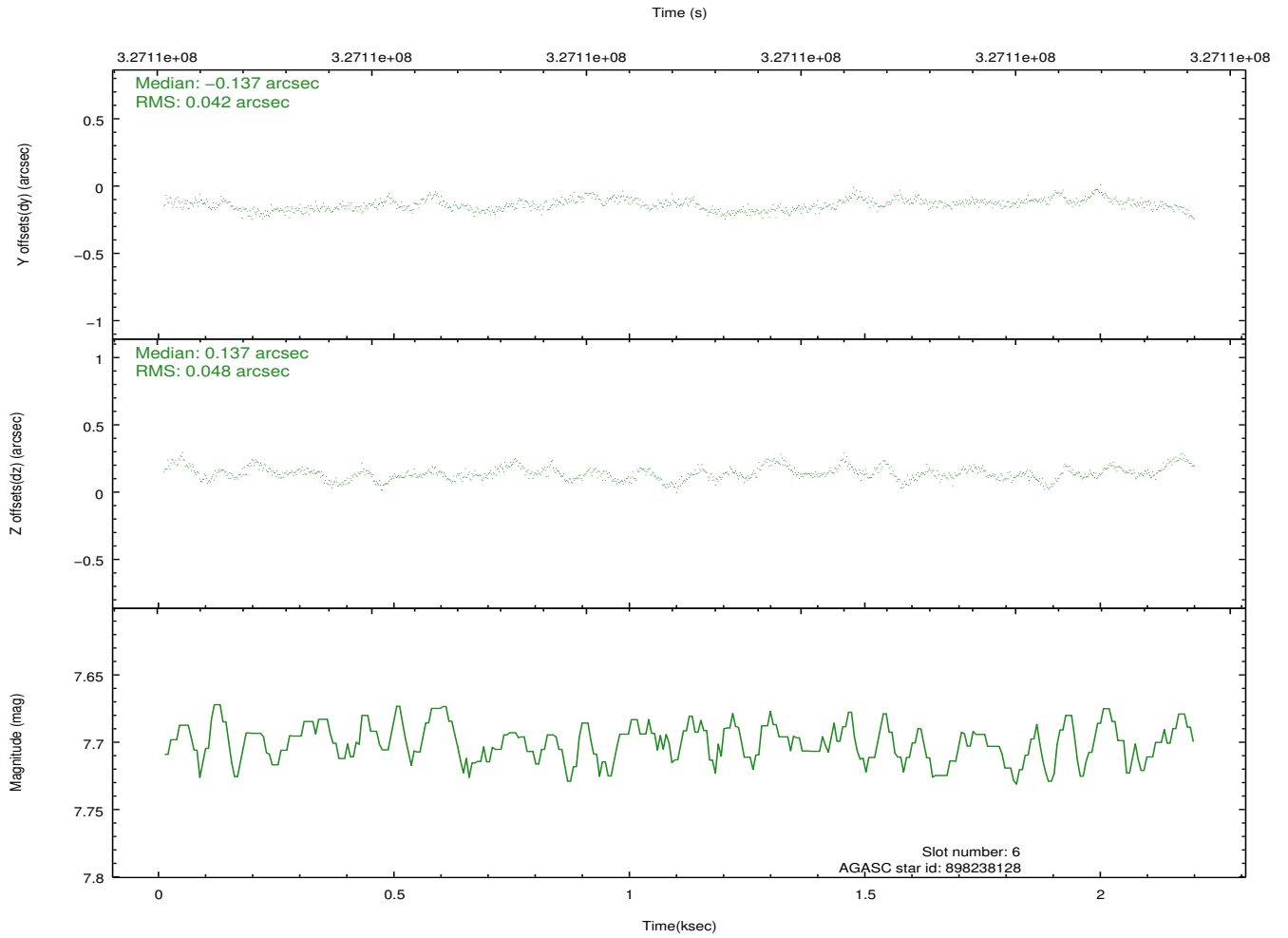
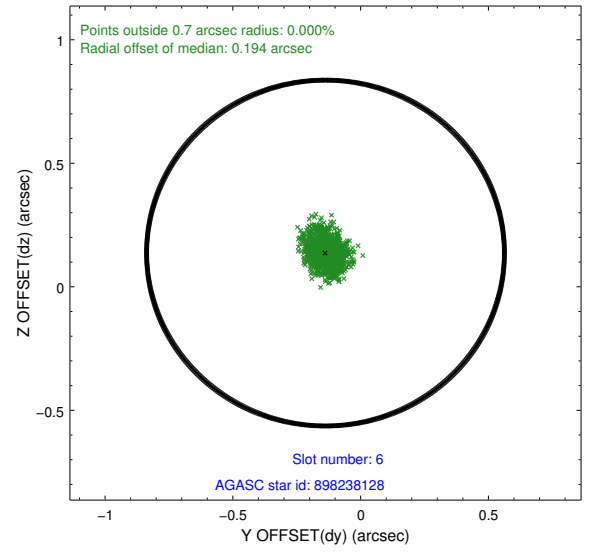
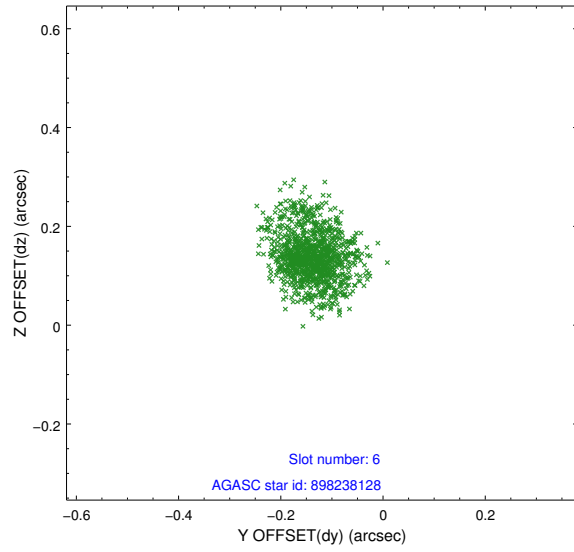
2.4.2 Slot 4



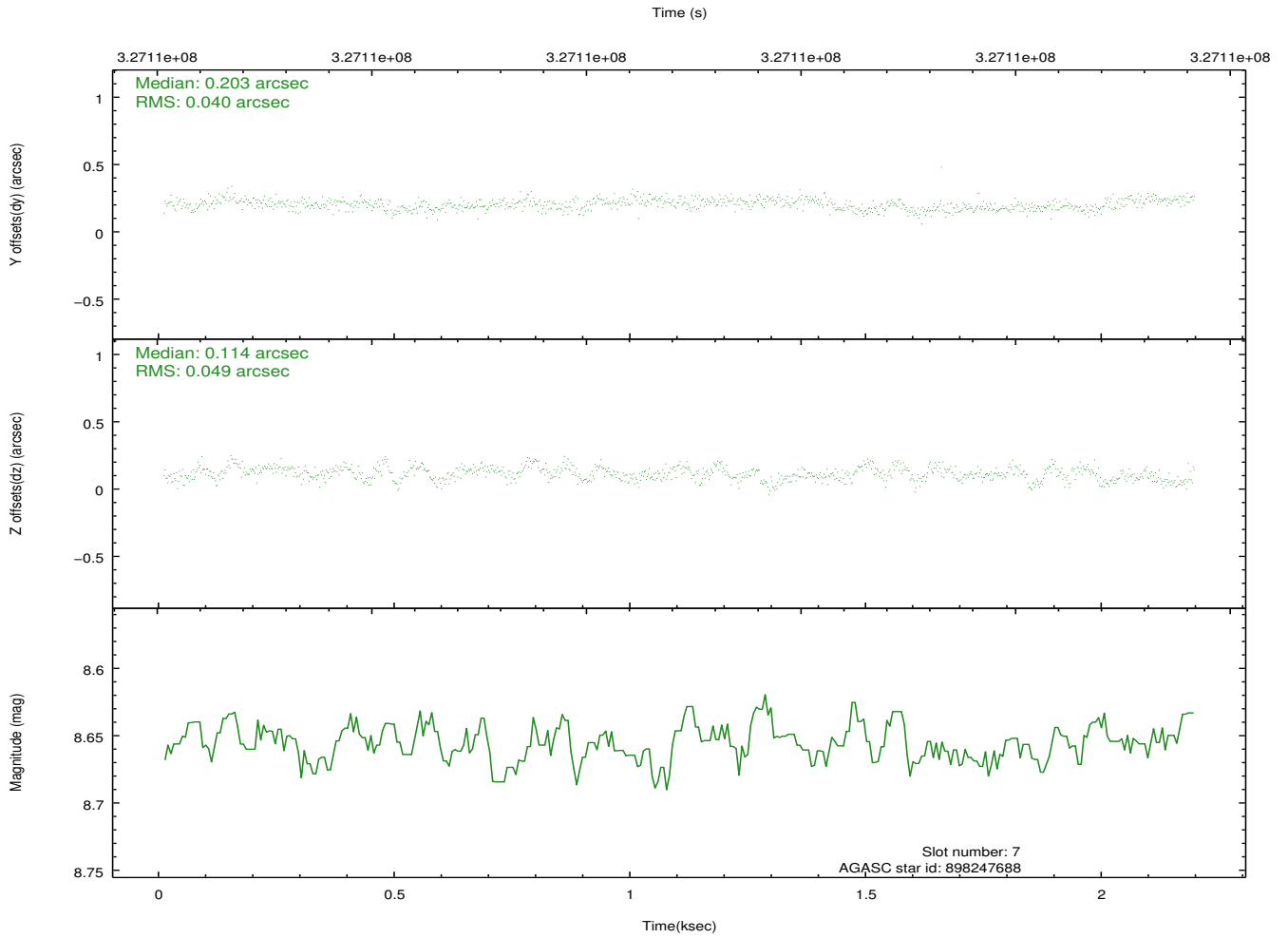
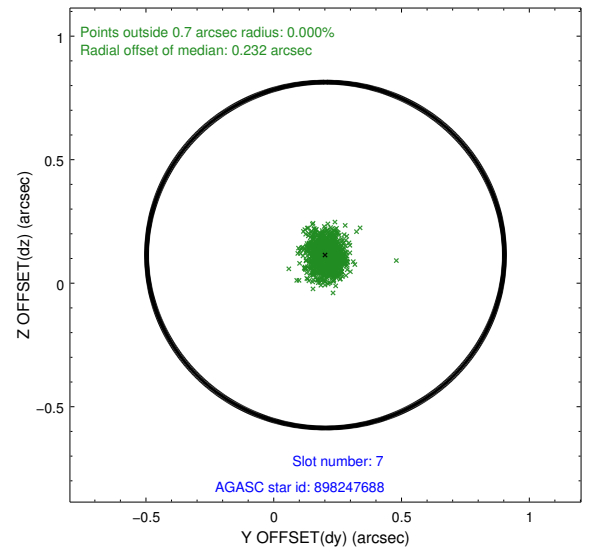
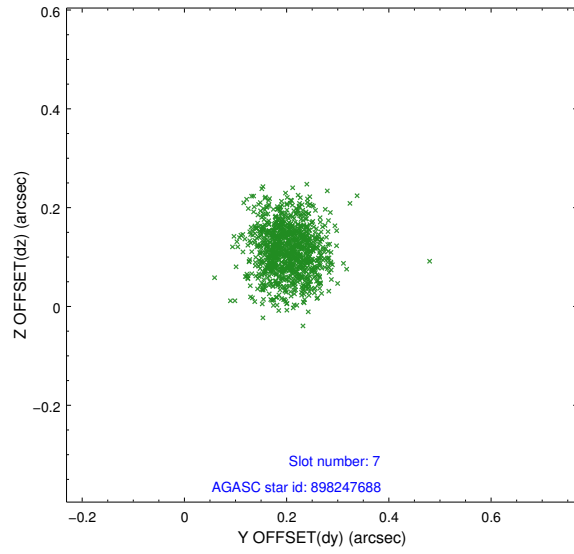
2.4.3 Slot 5



2.4.4 Slot 6

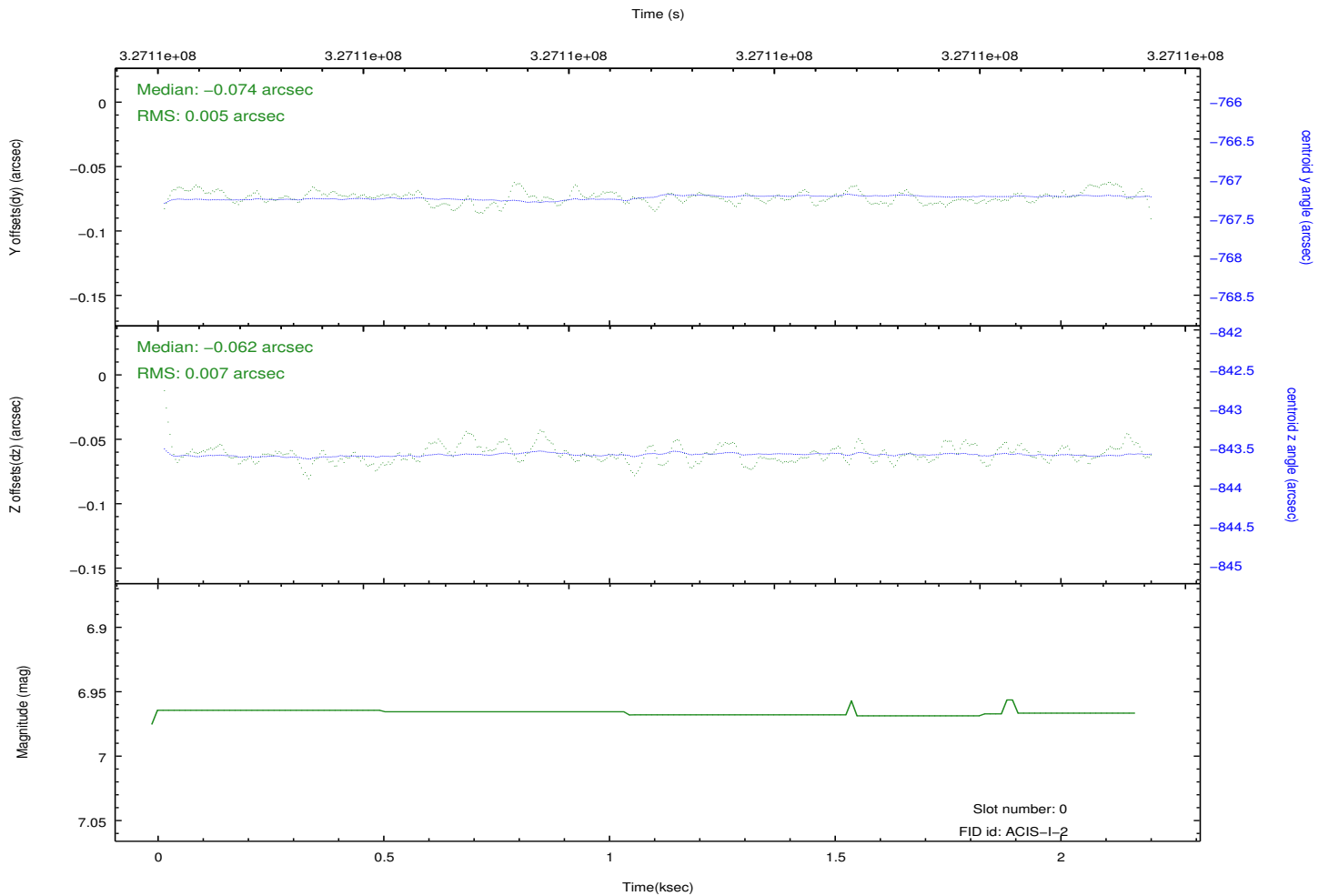
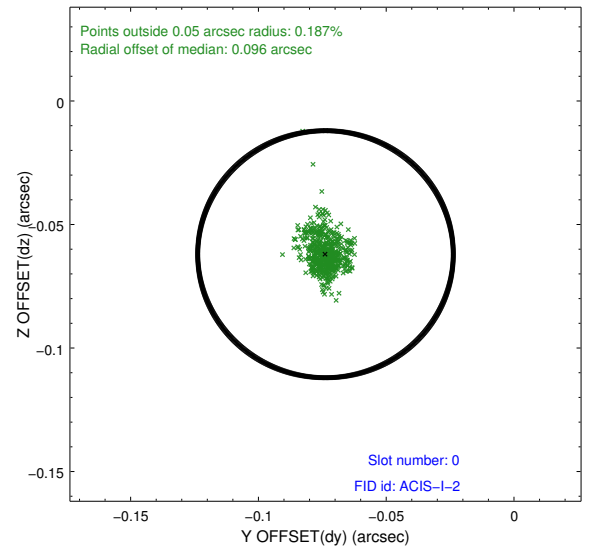
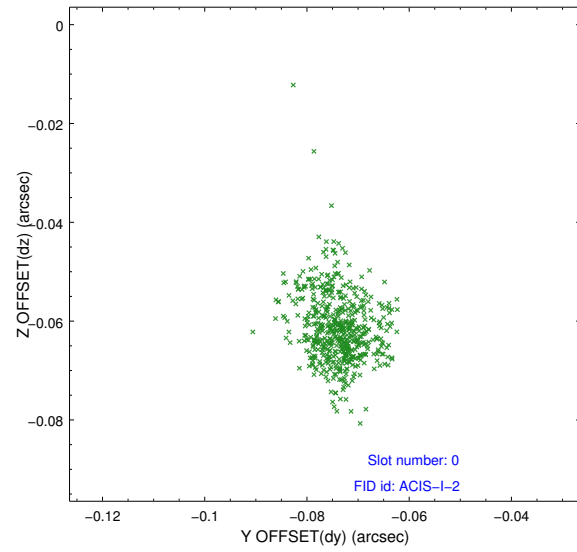


2.4.5 Slot 7

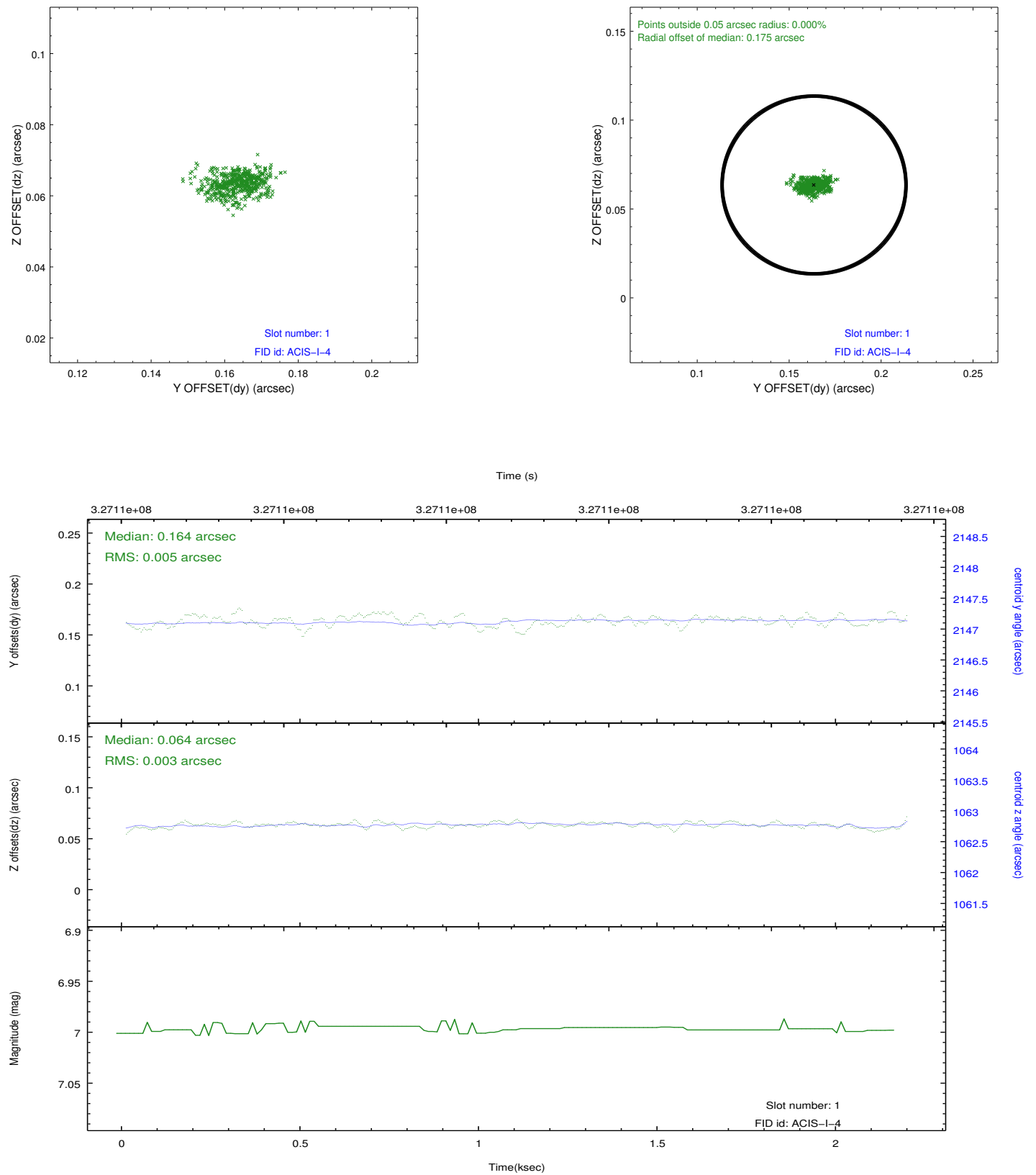


2.5 FID Slots

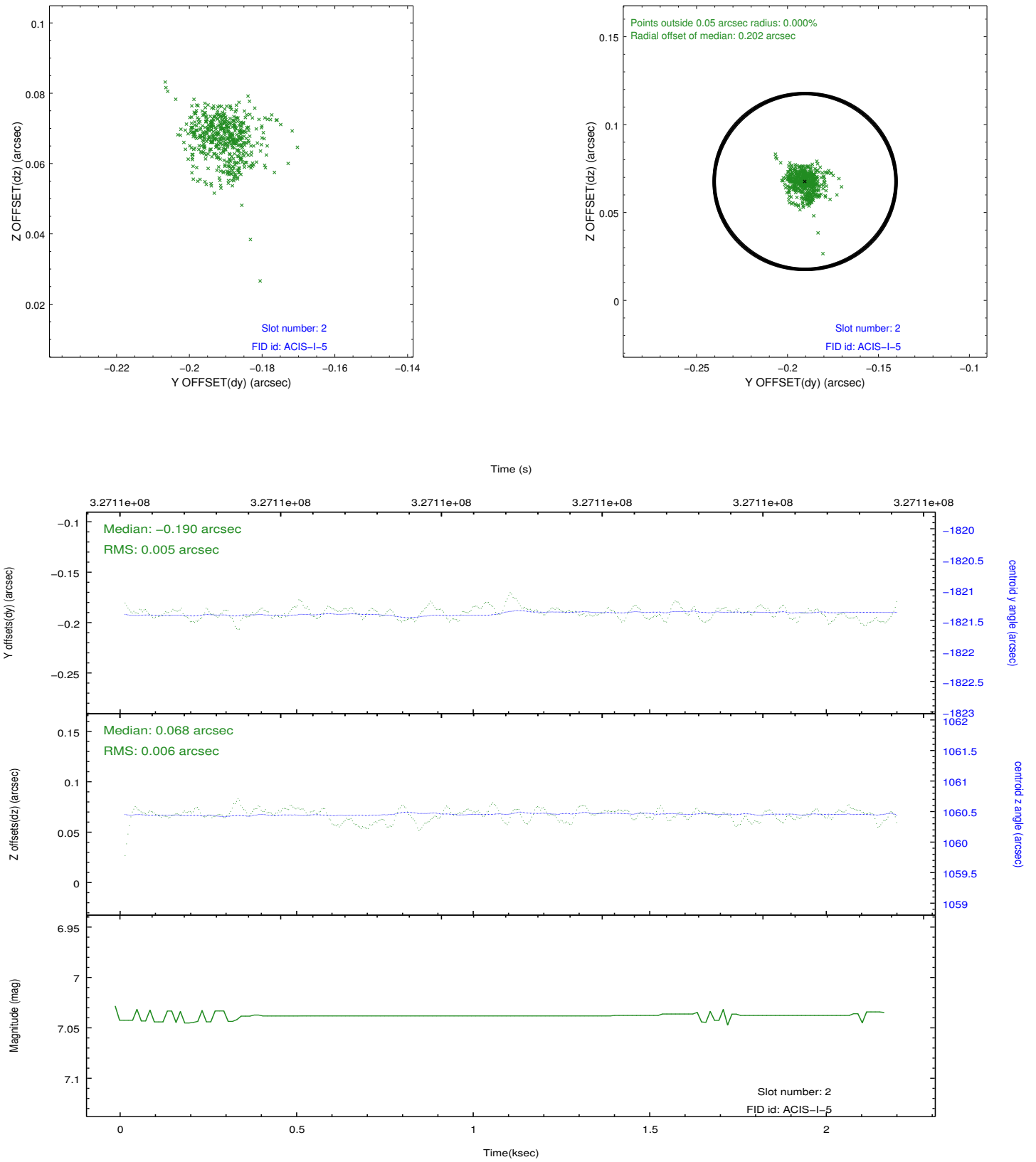
2.5.1 Slot 0



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.