

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6839 - L2 Version 2
Chandra X-Ray Center

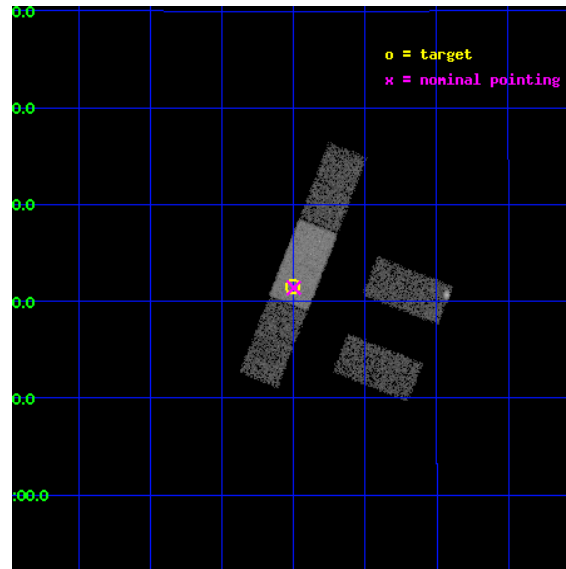
L2 Processing Date : Apr 14 2012

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1 Front

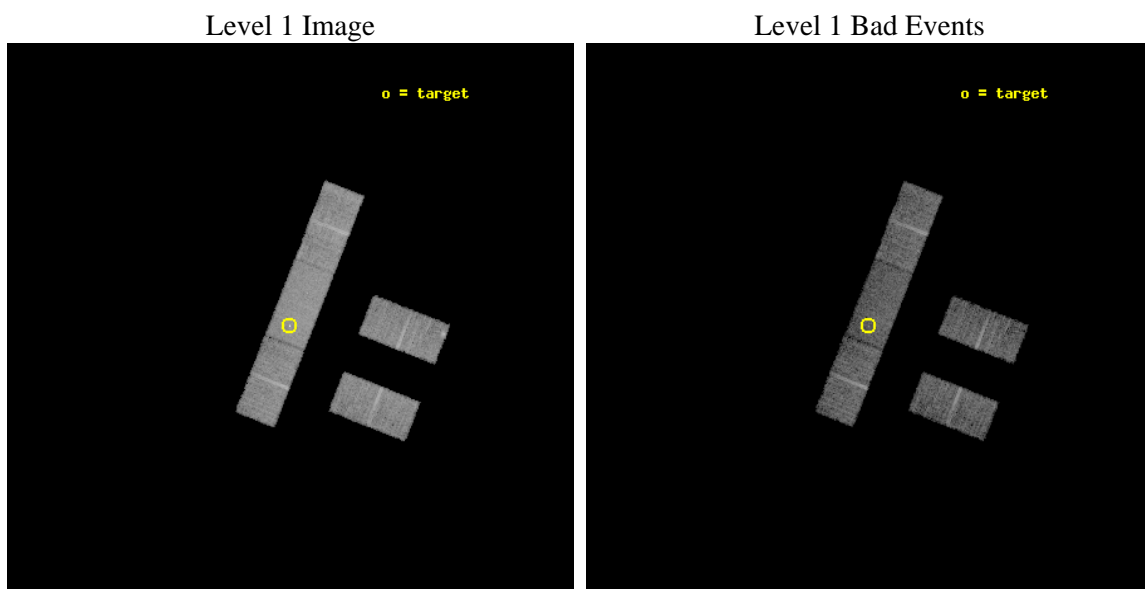
seq_num	701257	Sequence number
obs_id	6839	Observation id
title	Measuring the Size of a Quasar With Microlensing	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	Q2237+0305	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	340.125833	Observer's specified target RA [deg]
dec_targ	3.358333	Observer's specified target Dec [deg]
ra_nom	340.12470931885	Nominal RA [deg]
dec_nom	3.3566068419985	Nominal Dec [deg]
roll_nom	291.51597663407	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8063.0999435186	Sum of GTIs [s]
liveltime	7873.0356016988	Livetime [s]
ontime2	8063.0999435186	Sum of GTIs [s]
ontime3	8063.0999435186	Sum of GTIs [s]
ontime6	8063.0999435186	Sum of GTIs [s]
ontime7	8063.0999435186	Sum of GTIs [s]
ontime8	8063.0999435186	Sum of GTIs [s]
l2events	39406	Number of level 2 events



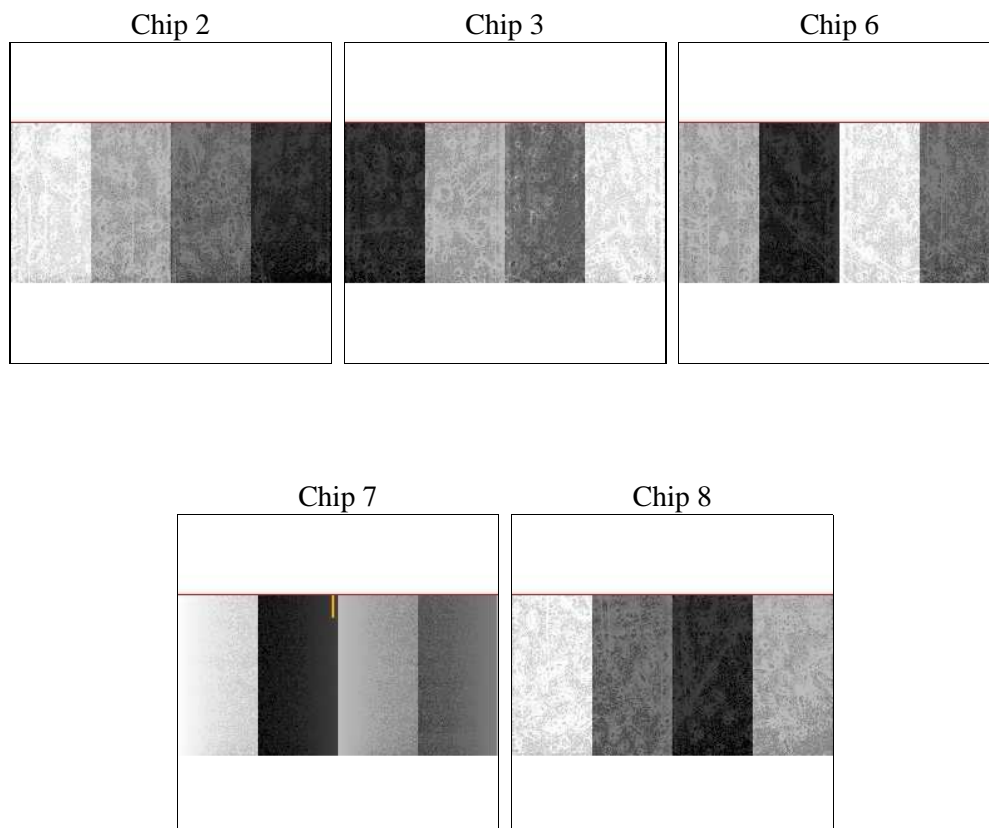
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.979000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	8063.0999435186	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	8063.0999435186	Sum of GTIs [s]
date	2012-04-14T05:44:55	Date and time of file creation	ontime3	8063.0999435186	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8063.0999435186	Sum of GTIs [s]
			ontime7	8063.0999435186	Sum of GTIs [s]
			ontime8	8063.0999435186	Sum of GTIs [s]
			l1events	221022	Number of level 1 events

2.1.4 Events

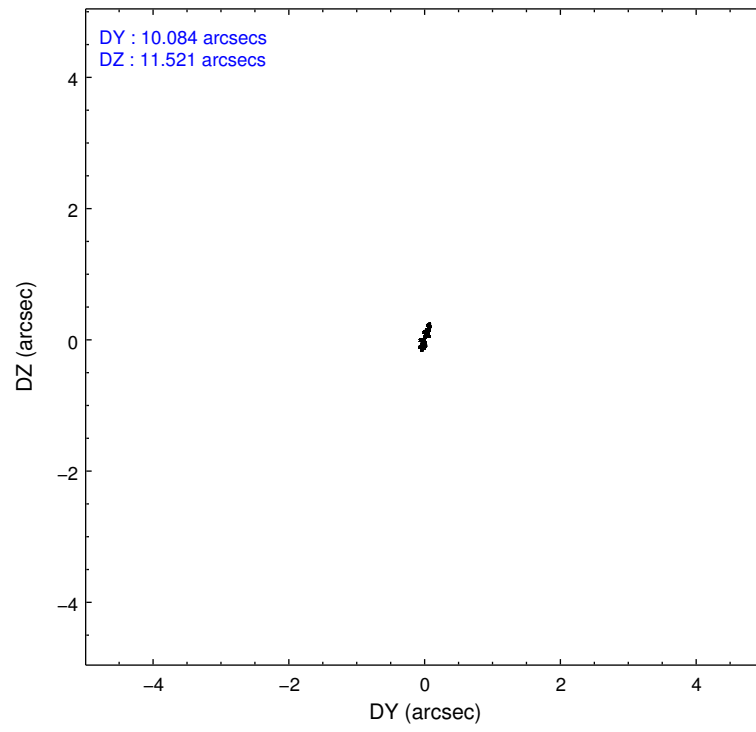
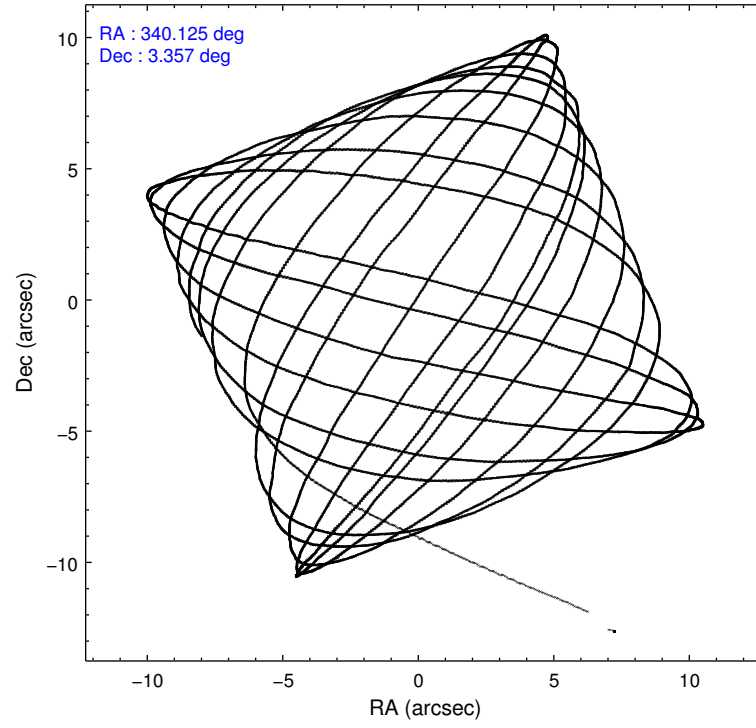
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	38559	38743	41149	52146	50425
rejected events	34036	33471	36435	28988	39449
rejected %	88%	86%	88%	55%	78%

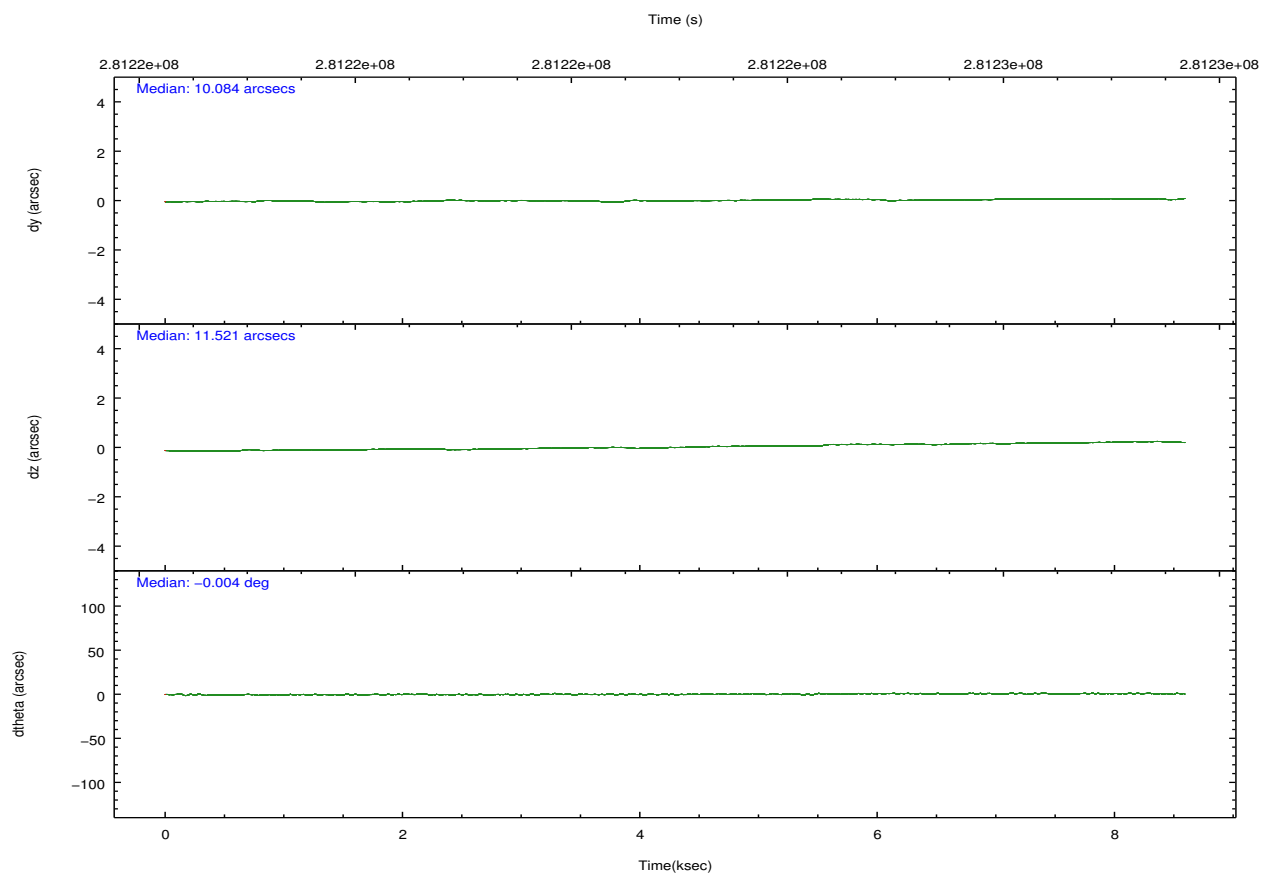
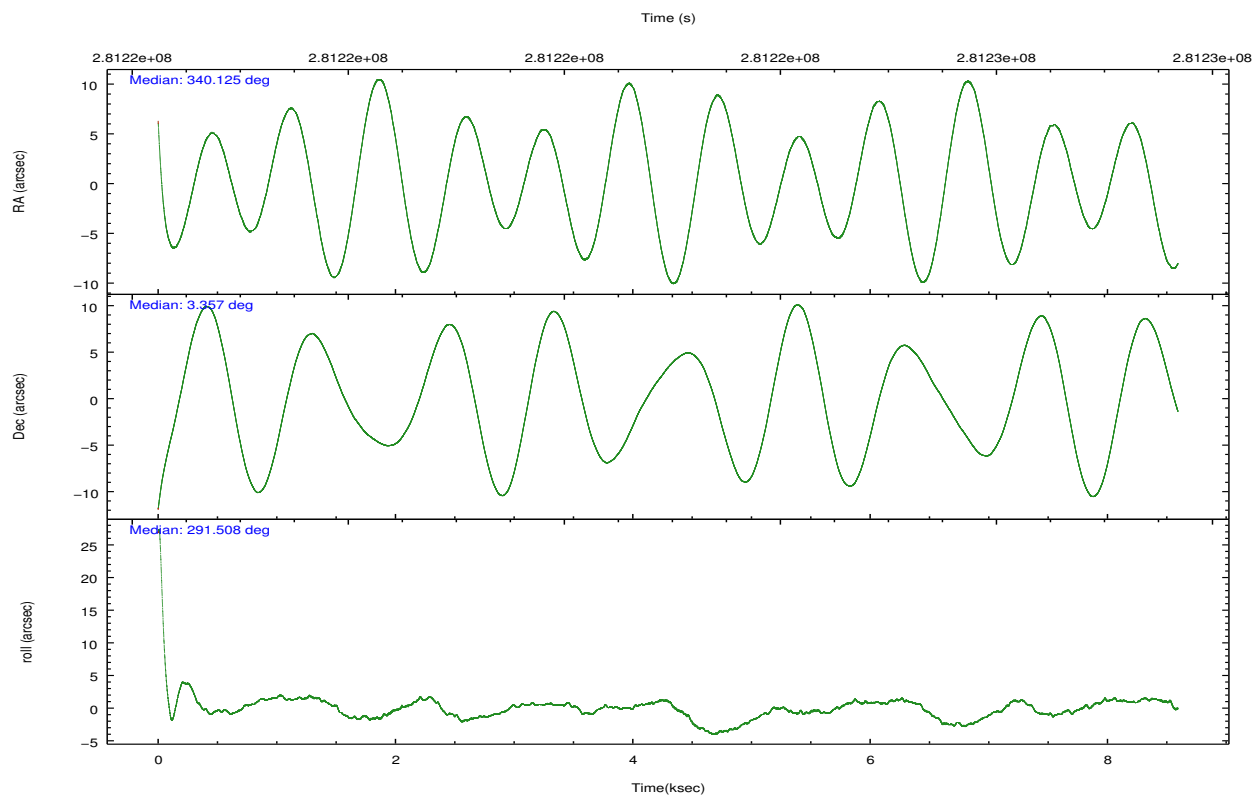
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1913	2552	1693	2369	3340
	4%	6%	4%	4%	6%
grade 1 events	21	17	13	60	25
	0%	0%	0%	0%	0%
grade 2 events	873	818	1003	4897	2297
	2%	2%	2%	9%	4%
grade 3 events	514	540	575	2198	1247
	1%	1%	1%	4%	2%
grade 4 events	524	532	494	2144	1164
	1%	1%	1%	4%	2%
grade 5 events	1369	1730	1743	4771	2312
	3%	4%	4%	9%	4%
grade 6 events	701	831	949	11561	2934
	1%	2%	2%	22%	5%
grade 7 events	32644	31723	34679	24146	37106
	84%	81%	84%	46%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	340.103144	340.1247093188549	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	3.373218	3.356606841998537	Subarray start row	257	257
[deg] Pointing Roll	291.360559	291.5159766340713	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.7
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	281219250.184000	281218149.82362			
Observation start date	2006-11-29T20:26:25	2006-11-29T20:09:09			
[s] Observation end time (MET)	281227251.184000	281227469.63656			
Observation end date	2006-11-29T22:39:46	2006-11-29T22:44:29			
Read mode	TIMED	TIMED			

2.3 Aspect



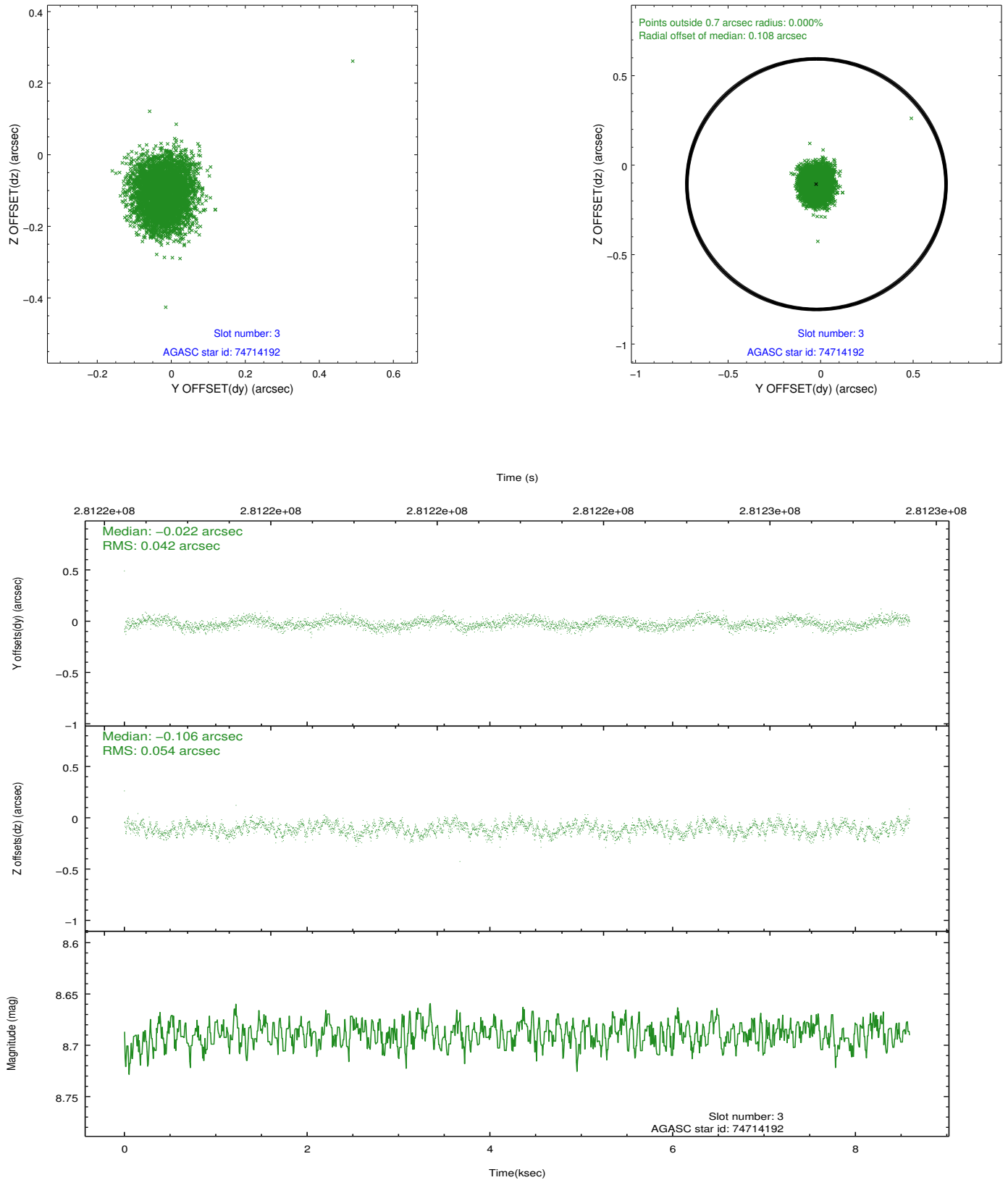


Slot Statistics

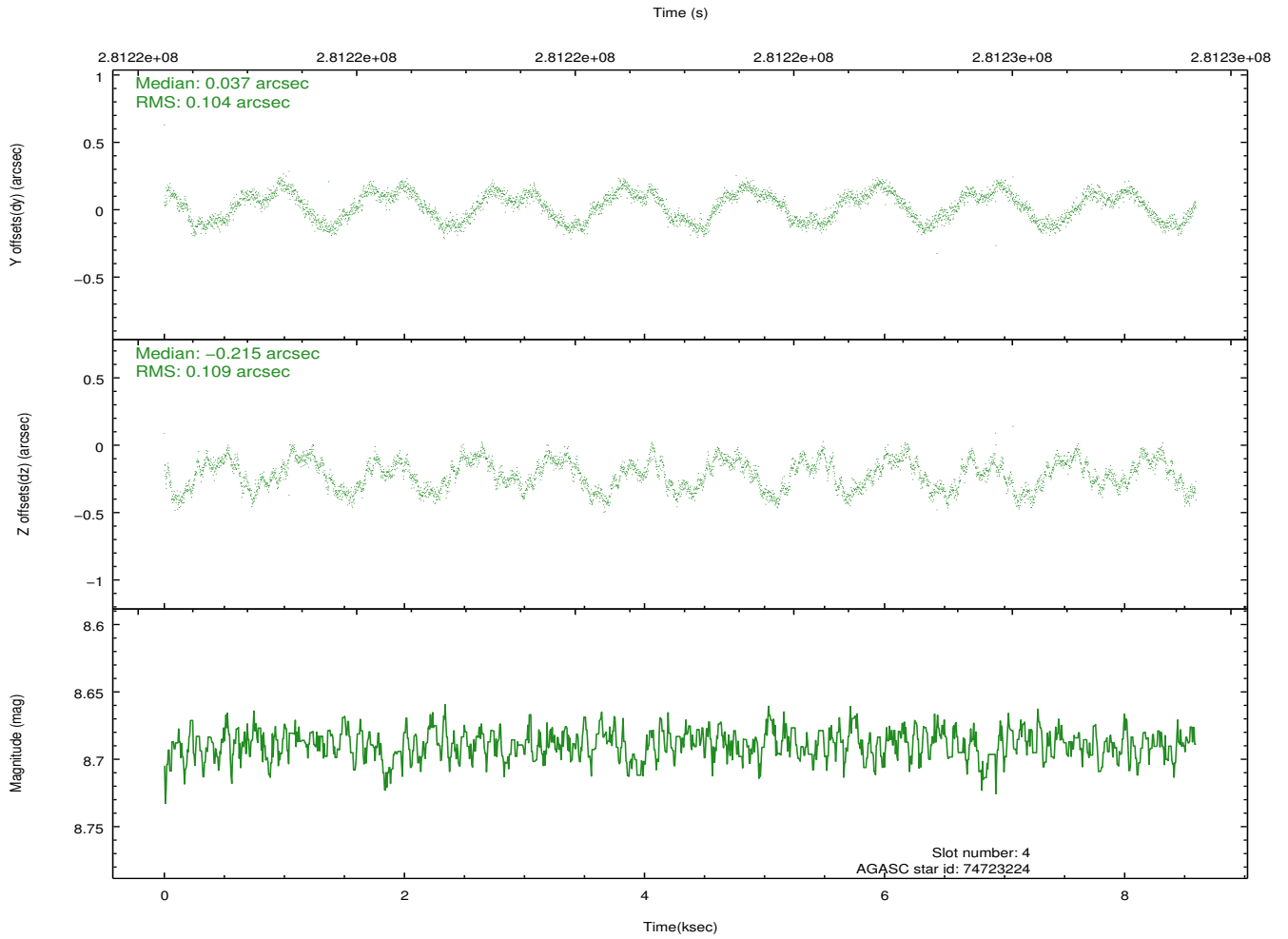
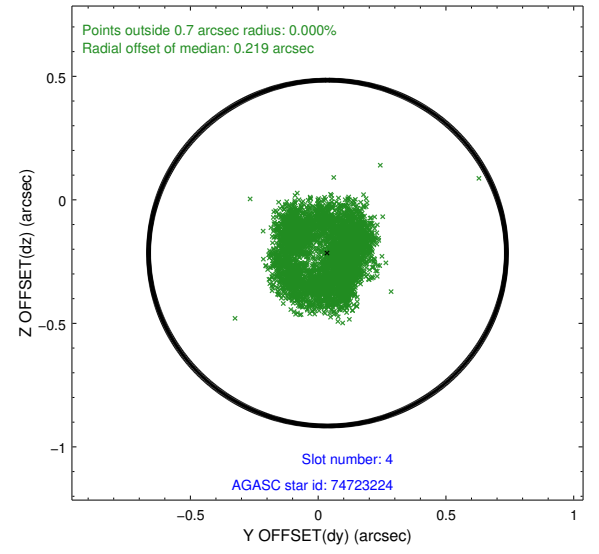
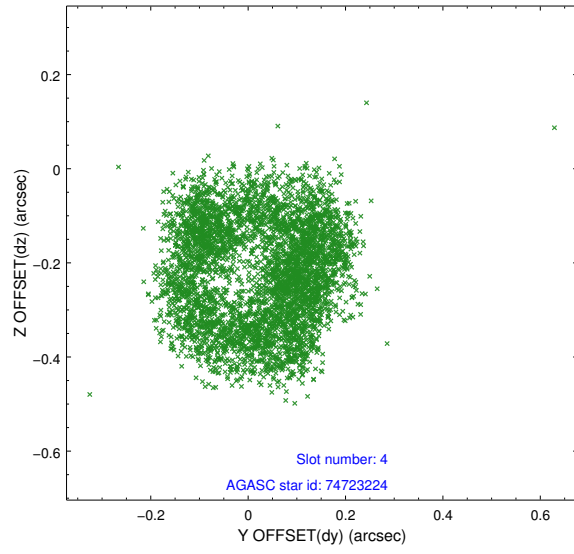
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2096	-0.055	-0.037	0.008	0.013	0.000000	0.000000	-762.97	-1732.77
1	FID	ACIS-S-4	7.22	2097	0.171	0.036	0.005	0.010	0.000000	0.000000	2150.23	175.14
2	FID	ACIS-S-5	7.23	2097	-0.148	0.009	0.008	0.013	0.000000	0.000000	-1815.09	169.49
3	GUIDE	74714192	8.69	4193	-0.022	-0.106	0.073	0.114	339.623837	3.342441	-523.94	-1644.37
4	GUIDE	74723224	8.69	4192	0.037	-0.215	0.167	0.223	339.594650	3.574222	-1339.25	-1438.33
5	GUIDE	74842128	8.53	4192	0.051	-0.067	0.082	0.124	340.118134	3.132788	826.04	-265.32
6	GUIDE	74854992	8.27	4193	-0.067	0.038	0.070	0.112	340.342808	3.603730	-458.72	1104.22
7	GUIDE	74855640	8.84	4191	0.016	0.362	0.079	0.127	340.341123	3.746937	-941.45	1287.02

2.4 Star Slots

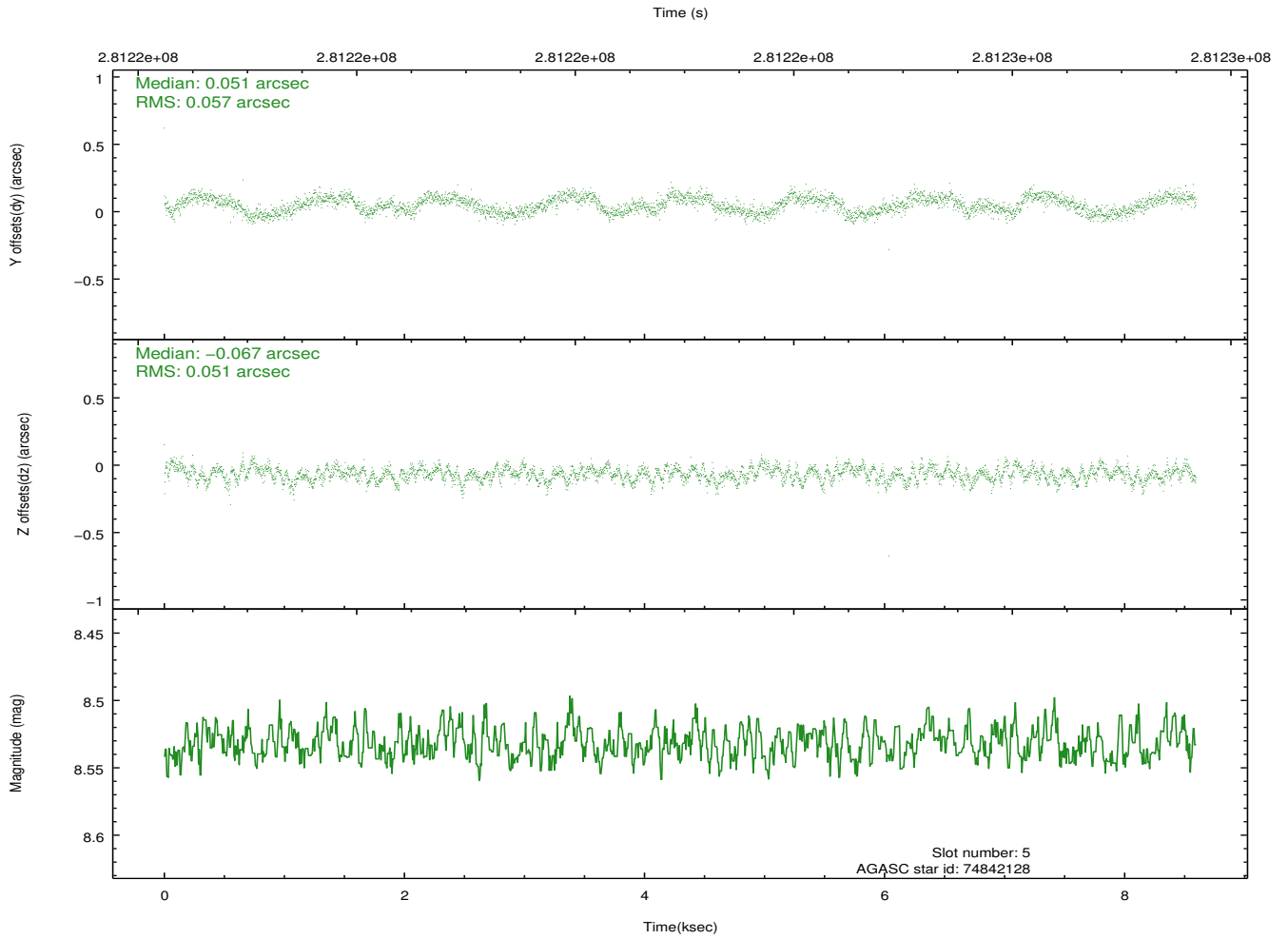
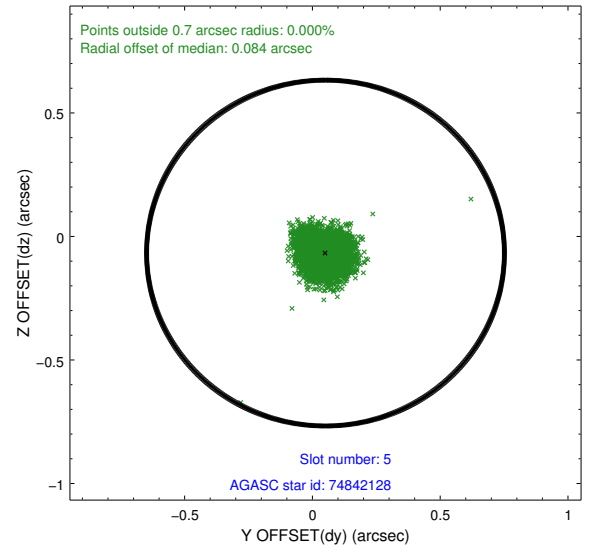
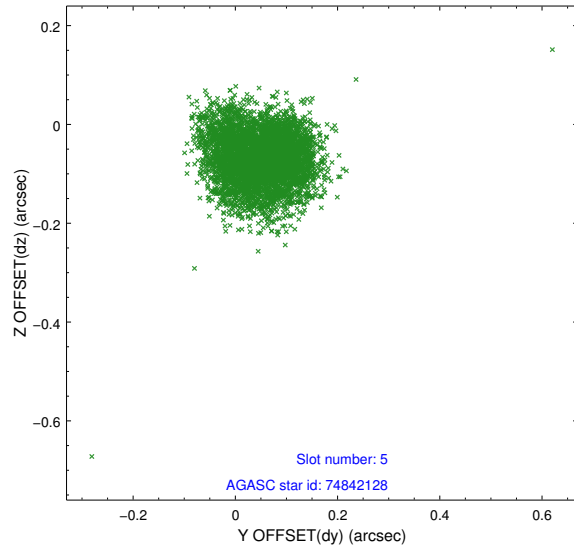
2.4.1 Slot 3



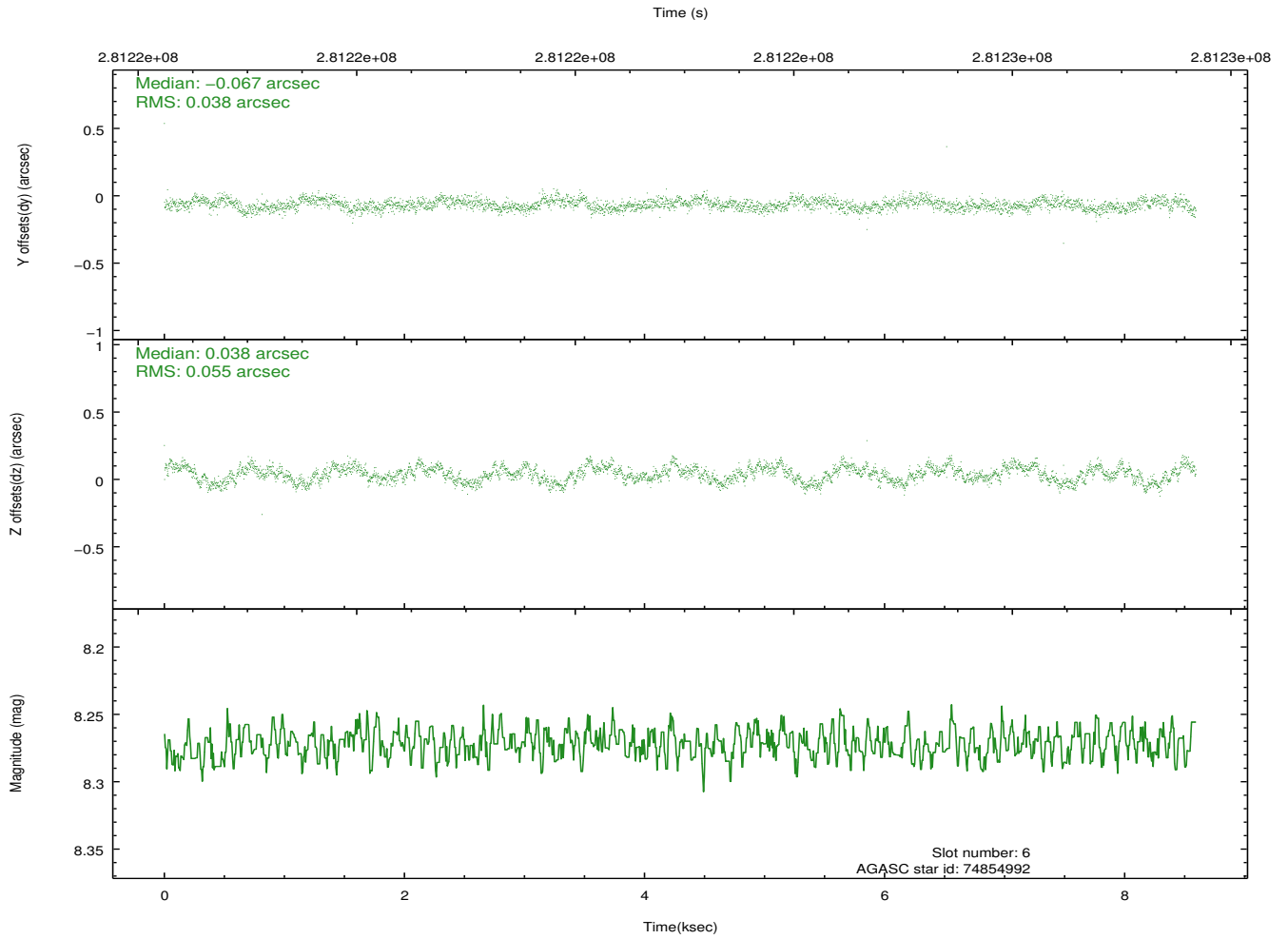
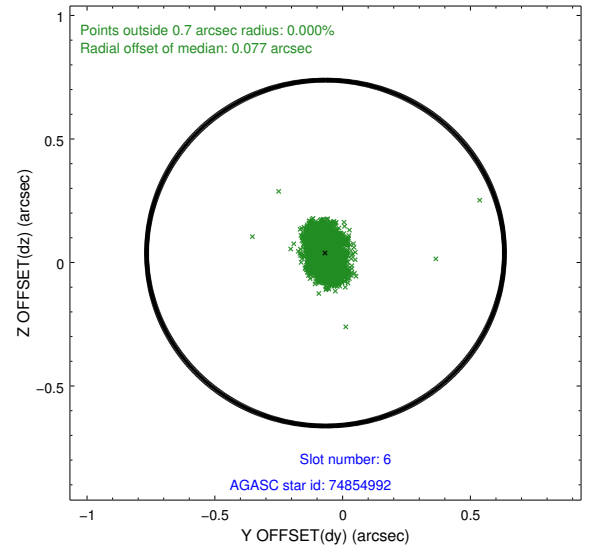
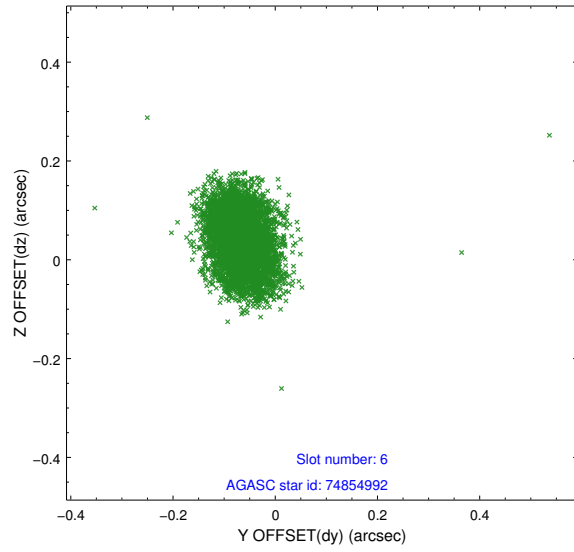
2.4.2 Slot 4



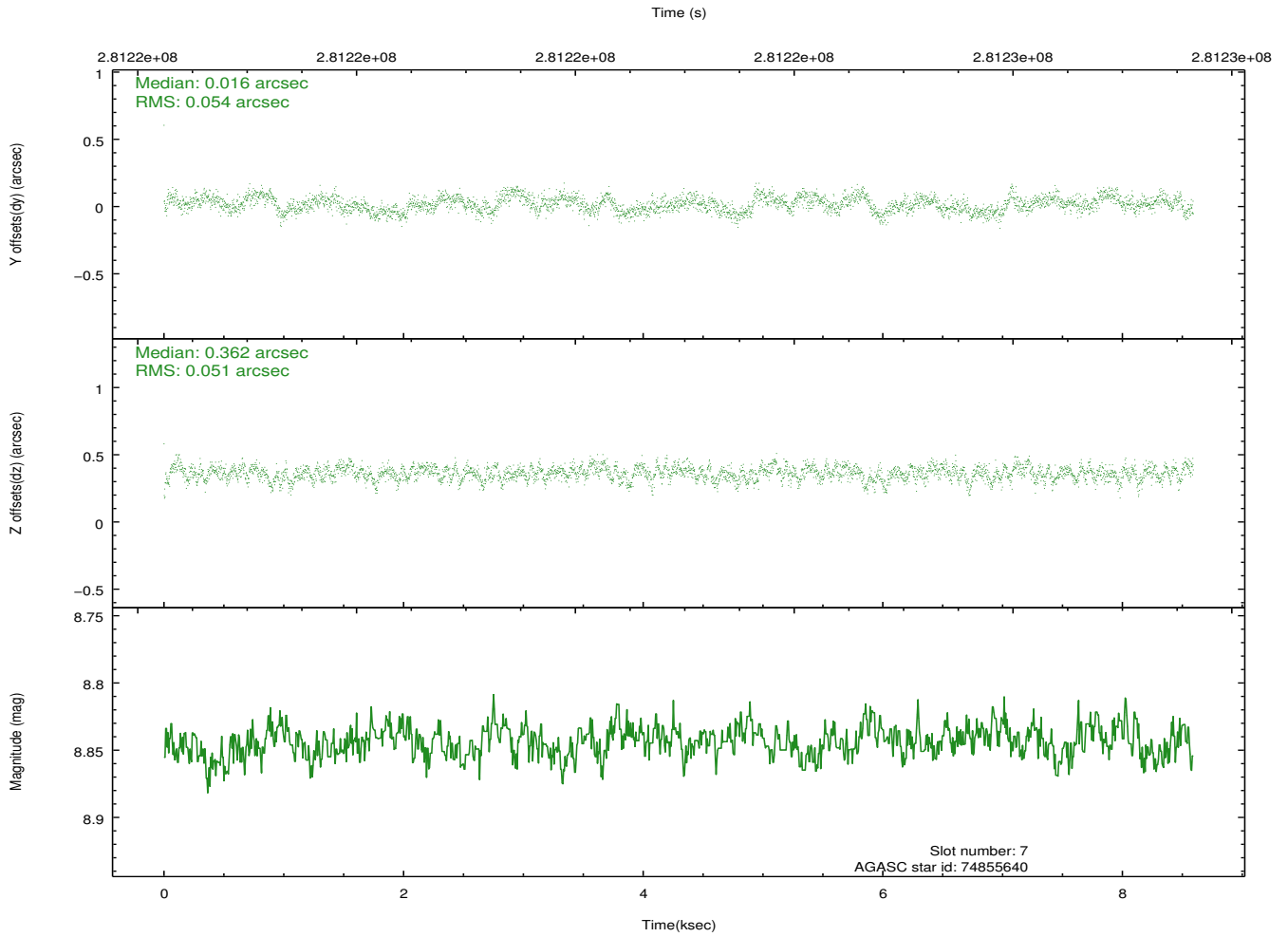
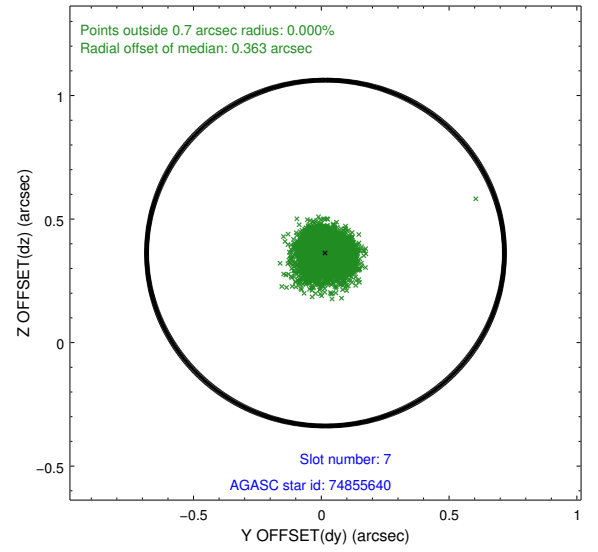
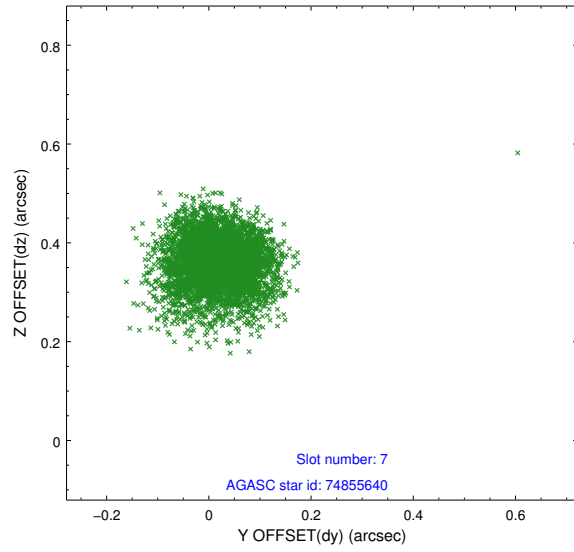
2.4.3 Slot 5



2.4.4 Slot 6

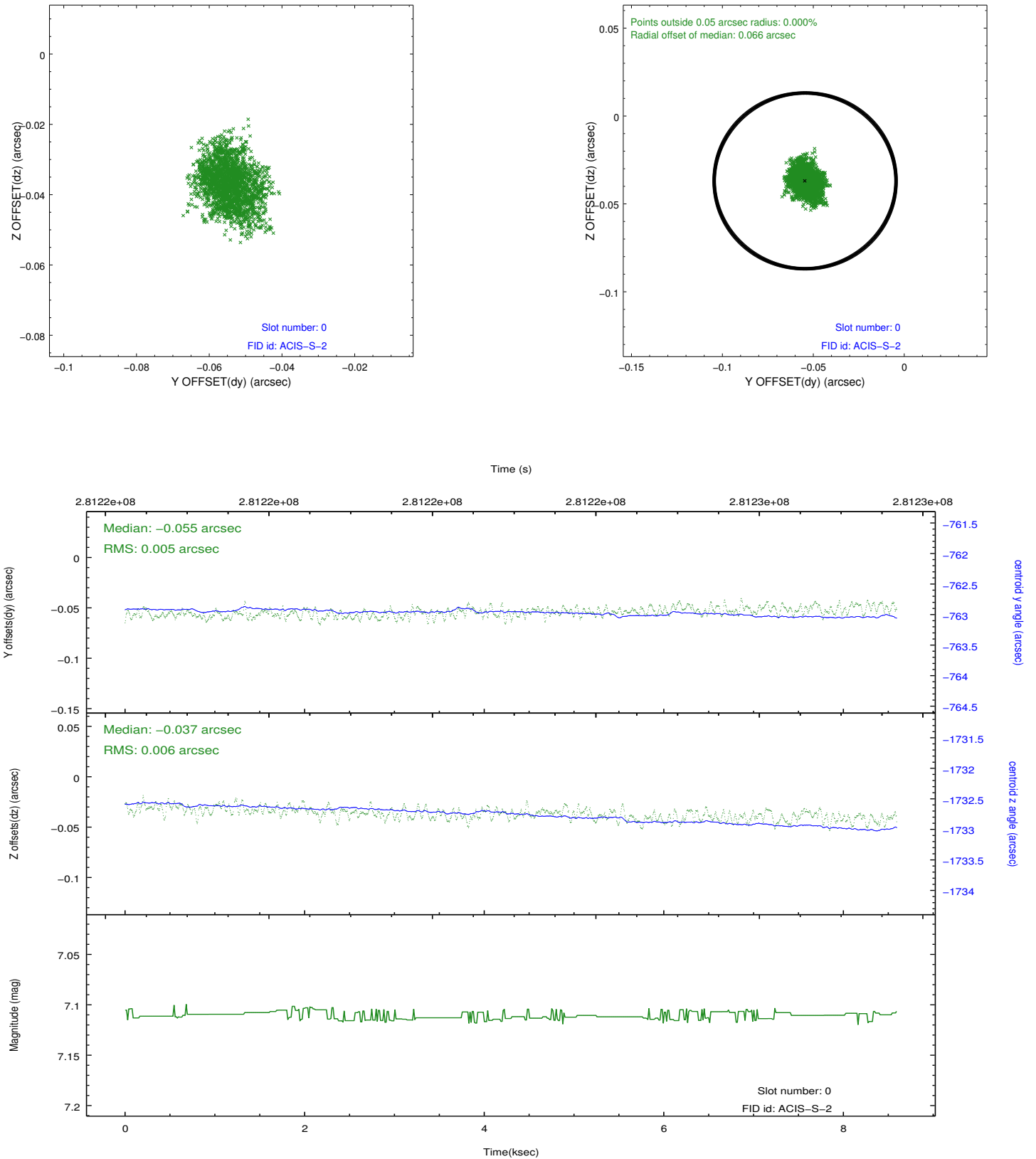


2.4.5 Slot 7

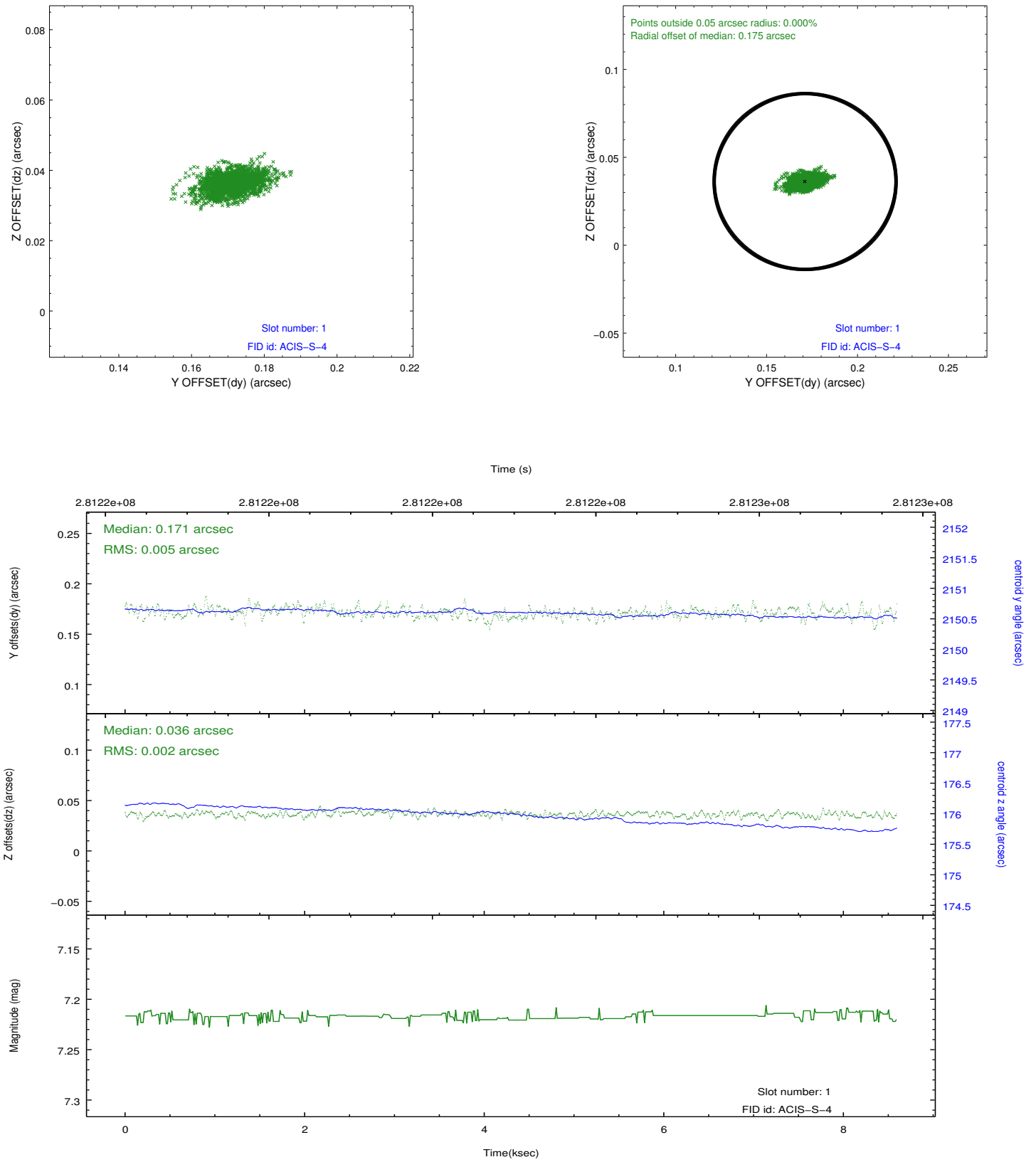


2.5 FID Slots

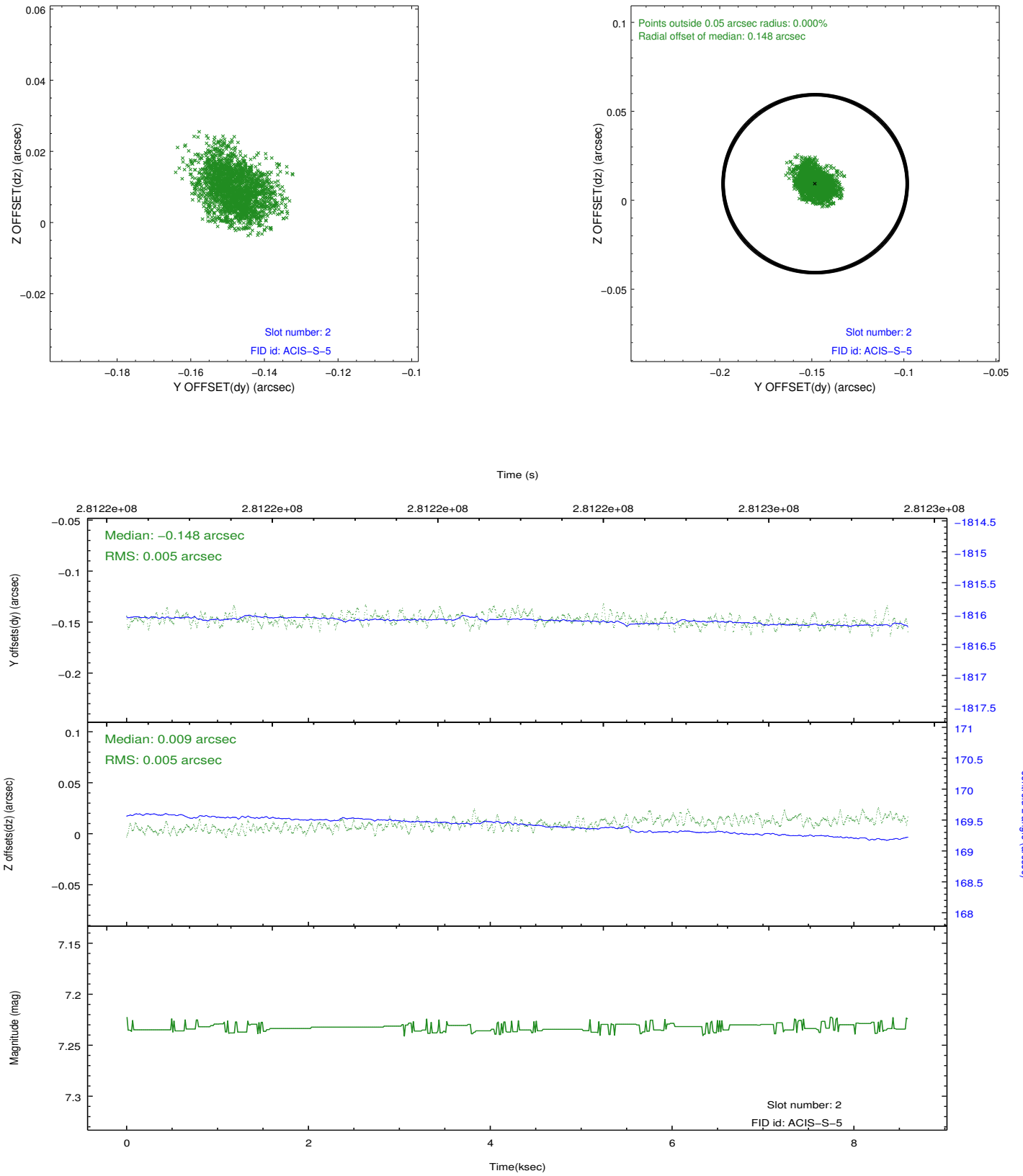
2.5.1 Slot 0



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)	2012.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.06309994

A.2 Comments