

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6837 - L2 Version 2
Chandra X-Ray Center

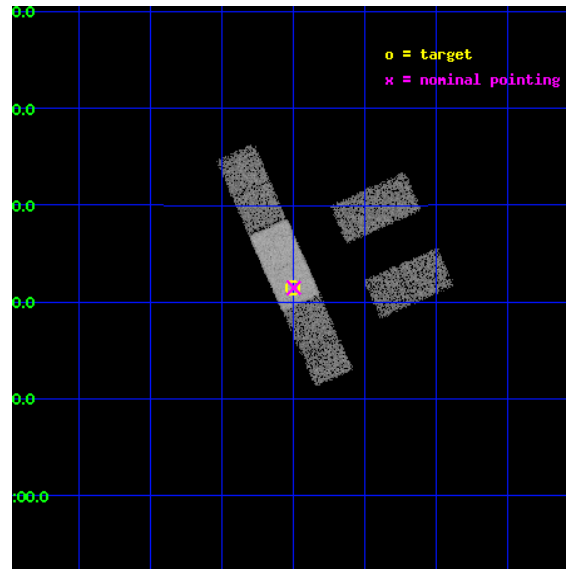
L2 Processing Date : Apr 9 2012

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1 Front

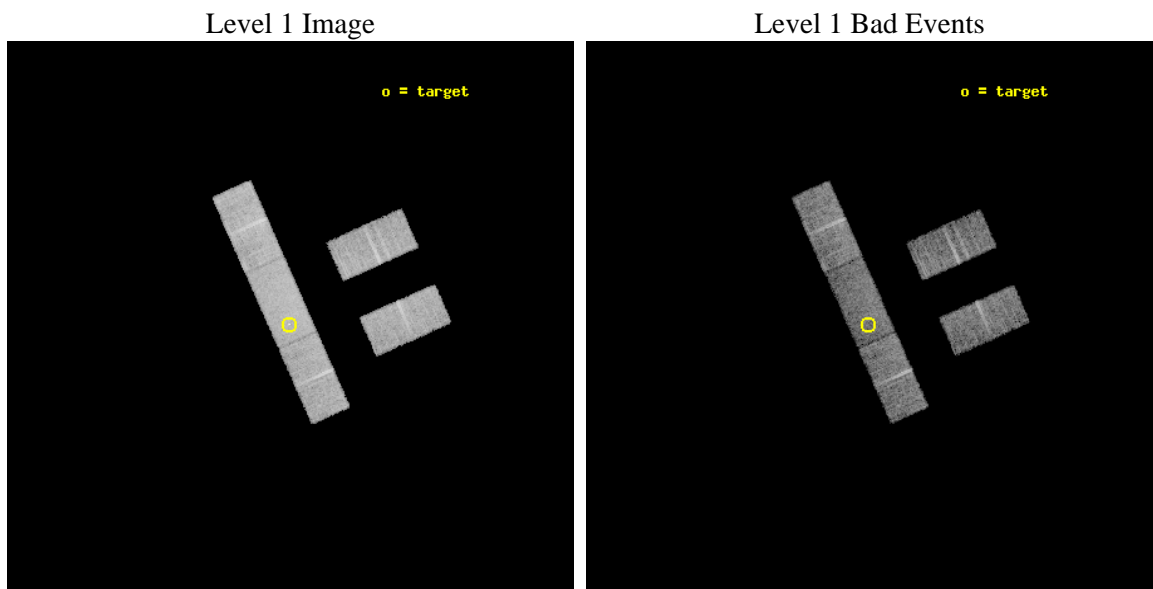
seq_num	701255	Sequence number
obs_id	6837	Observation id
title	Measuring the Size of a Quasar With Microlensing	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	Q2237+0305	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	340.125833	Observer's specified target RA [deg]
dec_targ	3.358333	Observer's specified target Dec [deg]
ra_nom	340.12384032546	Nominal RA [deg]
dec_nom	3.3578332651151	Nominal Dec [deg]
roll_nom	246.03940606668	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8136.199943006	Sum of GTIs [s]
liveltime	7944.412479386	Livetime [s]
ontime2	8136.199943006	Sum of GTIs [s]
ontime3	8136.199943006	Sum of GTIs [s]
ontime6	8136.199943006	Sum of GTIs [s]
ontime7	8136.199943006	Sum of GTIs [s]
ontime8	8136.199943006	Sum of GTIs [s]
l2events	38357	Number of level 2 events



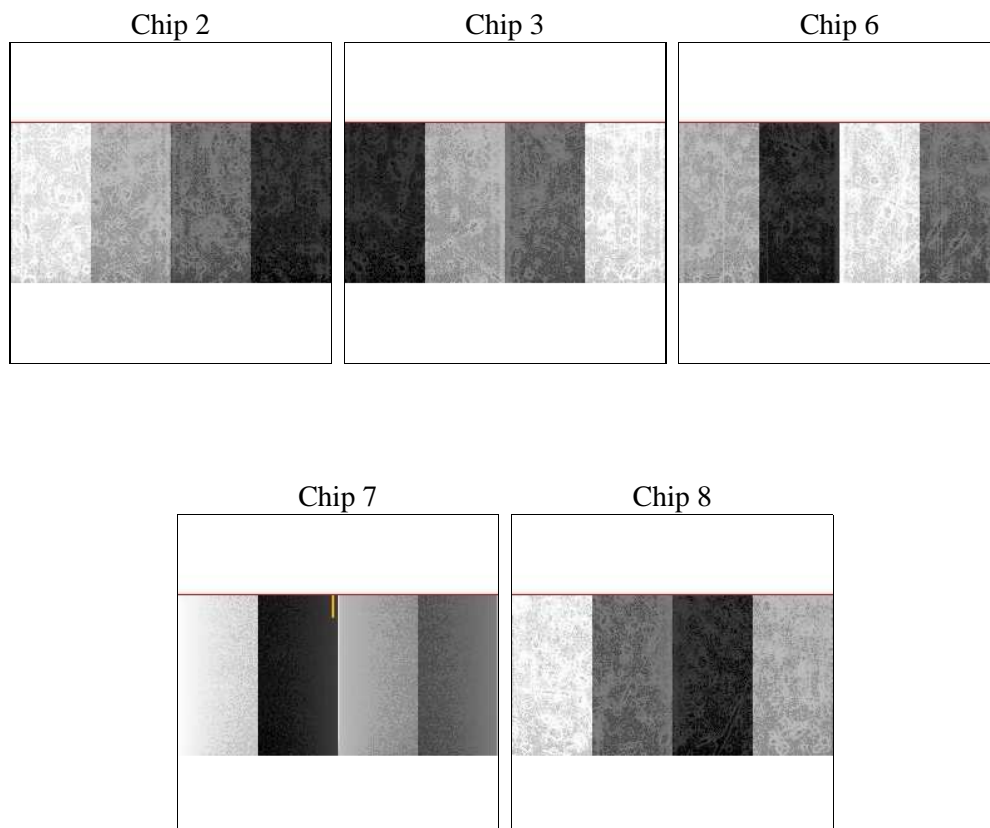
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	8136.199943006	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	8136.199943006	Sum of GTIs [s]
date	2012-04-09T15:43:21	Date and time of file creation	ontime3	8136.199943006	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8136.199943006	Sum of GTIs [s]
			ontime7	8136.199943006	Sum of GTIs [s]
			ontime8	8136.199943006	Sum of GTIs [s]
			l1events	248869	Number of level 1 events

2.1.4 Events

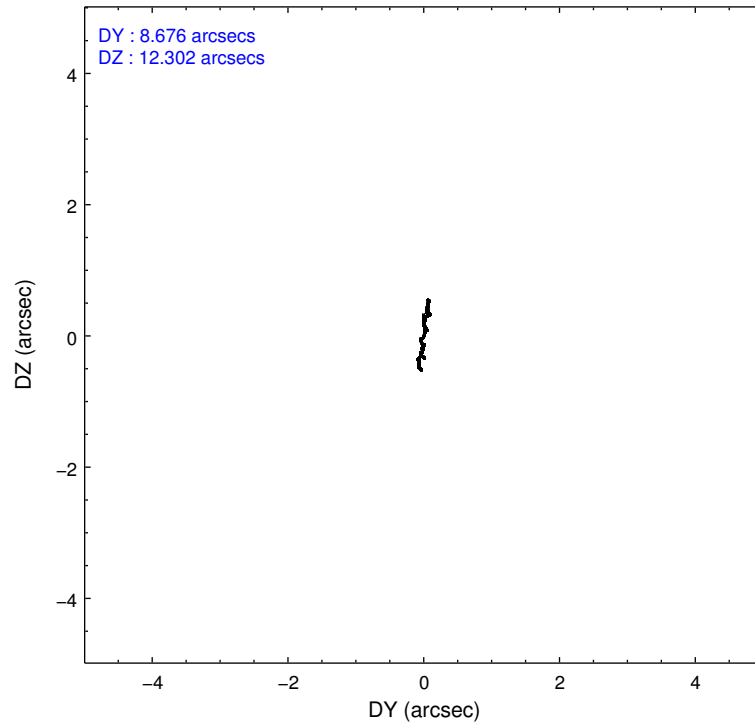
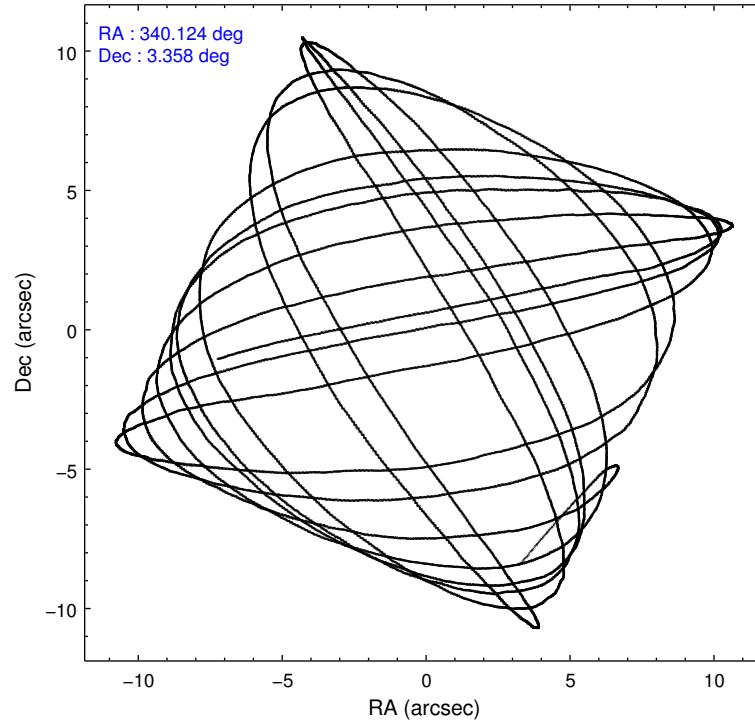
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	43056	42874	45725	58133	59081
rejected events	38434	38247	40903	35786	47802
rejected %	89%	89%	89%	61%	80%

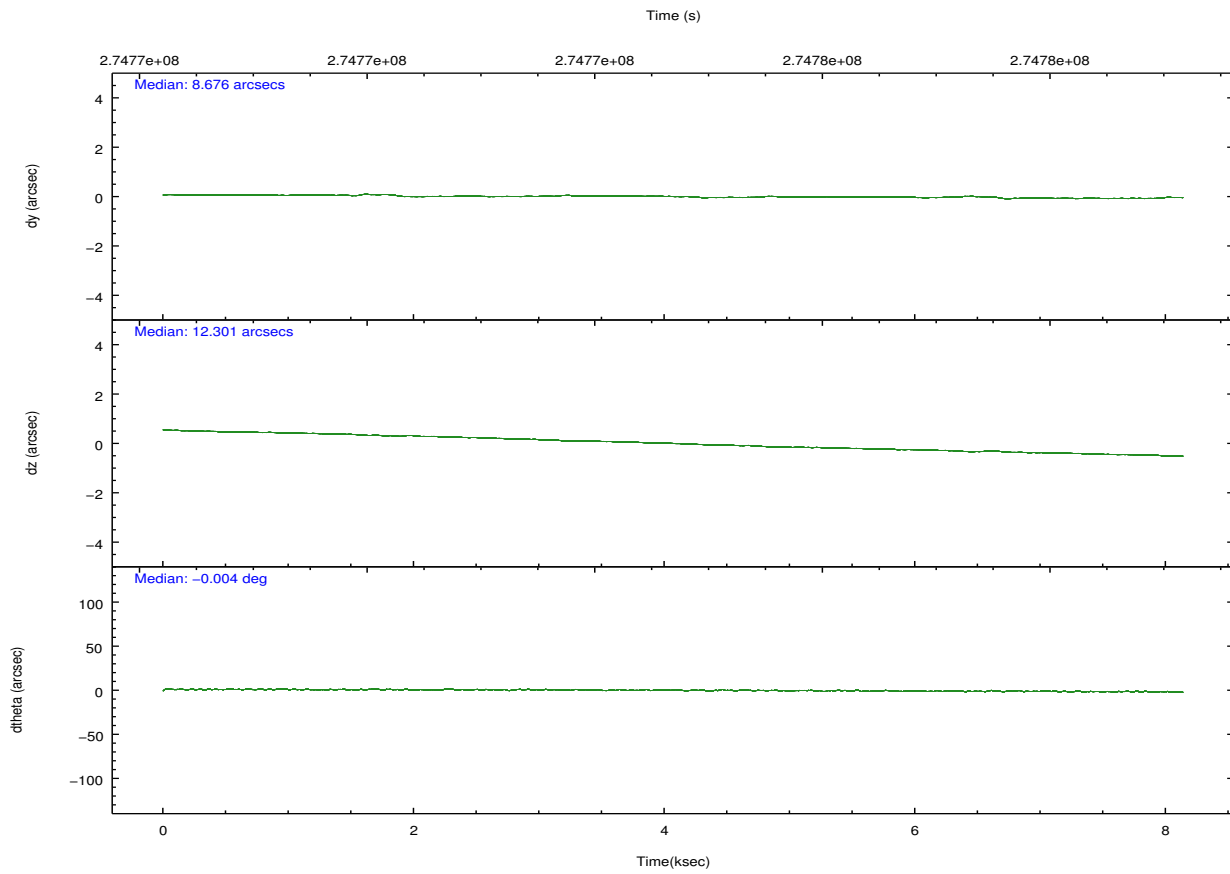
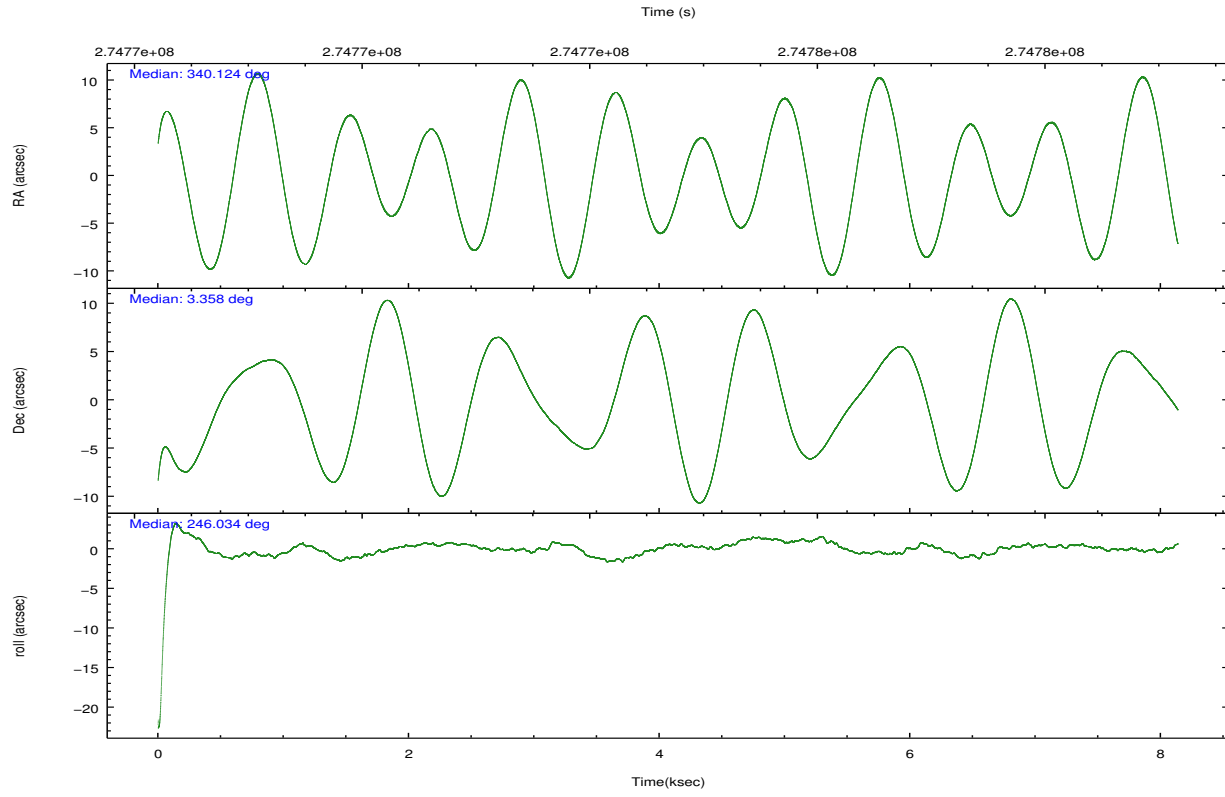
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2312	2189	2013	2282	3840
	5%	5%	4%	3%	6%
grade 1 events	26	13	14	52	33
	0%	0%	0%	0%	0%
grade 2 events	1015	989	1089	5148	2780
	2%	2%	2%	8%	4%
grade 3 events	569	588	597	2372	1397
	1%	1%	1%	4%	2%
grade 4 events	535	568	646	2405	1328
	1%	1%	1%	4%	2%
grade 5 events	1591	1847	2039	5620	2667
	3%	4%	4%	9%	4%
grade 6 events	766	872	1054	12854	3271
	1%	2%	2%	22%	5%
grade 7 events	36242	35808	38273	27400	43765
	84%	83%	83%	47%	74%

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	340.120566	340.1238403254594	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	3.384913	3.357833265115059	Subarray start row	257	257
[deg] Pointing Roll	245.883007	246.039406066676	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	274770765.184000	274769481.94452			
Observation start date	2006-09-16T05:11:40	2006-09-16T04:51:21			
[s] Observation end time (MET)	274778765.184000	274779714.52			
Observation end date	2006-09-16T07:25:00	2006-09-16T07:41:54			
Read mode	TIMED	TIMED			

2.3 Aspect



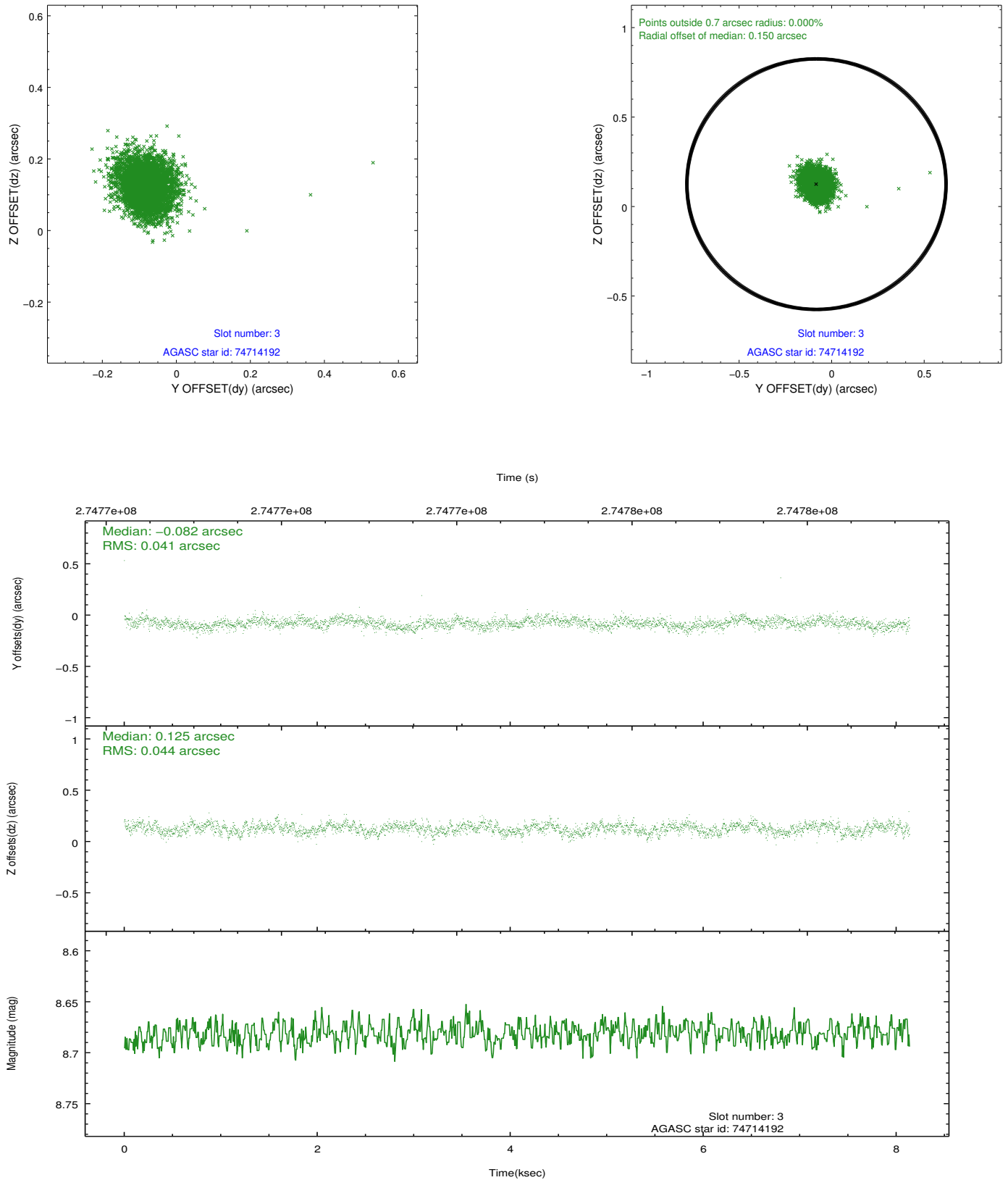


Slot Statistics

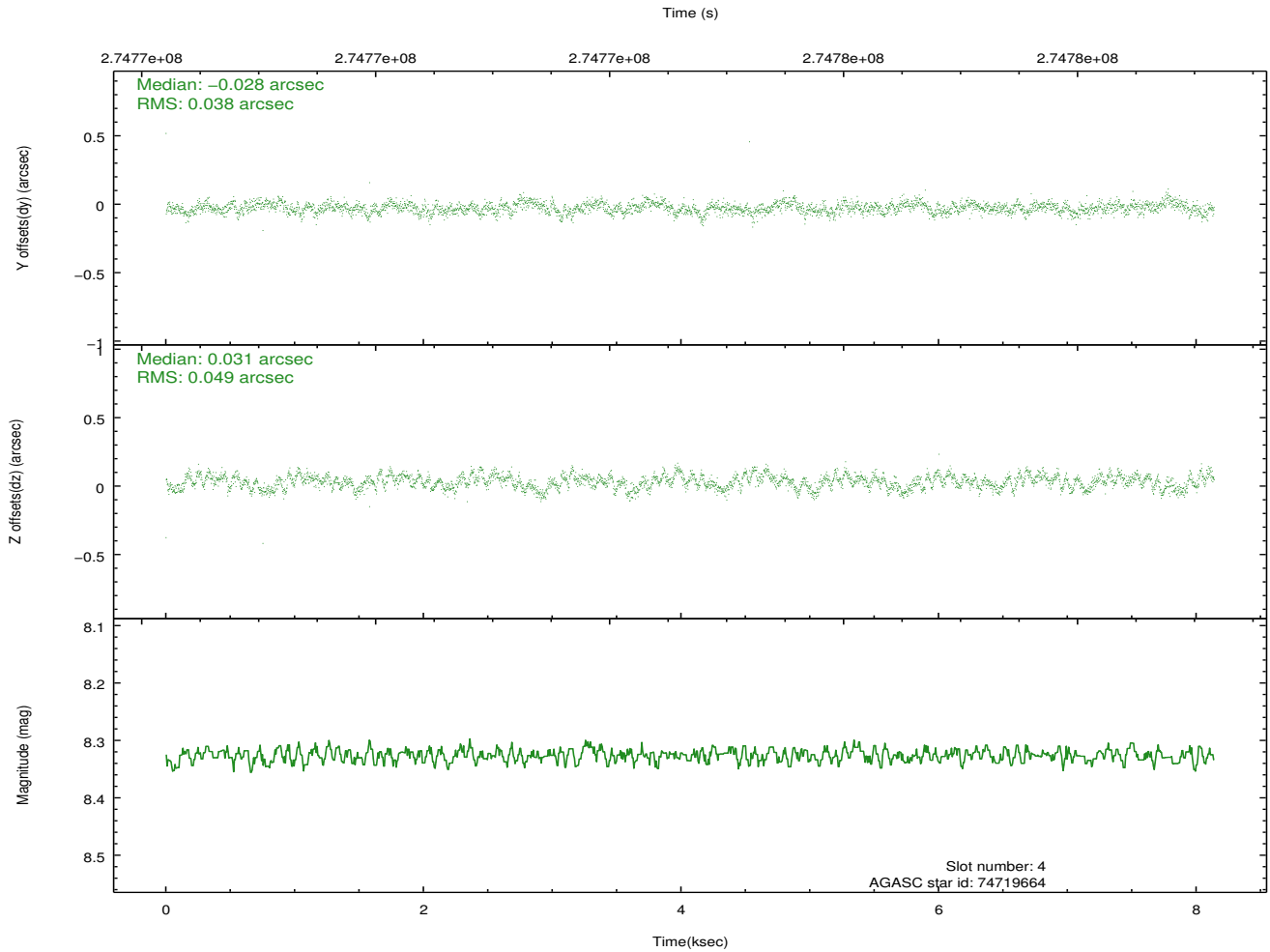
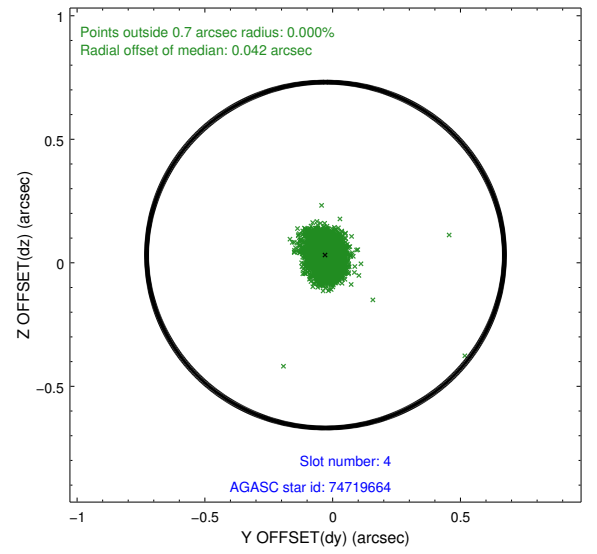
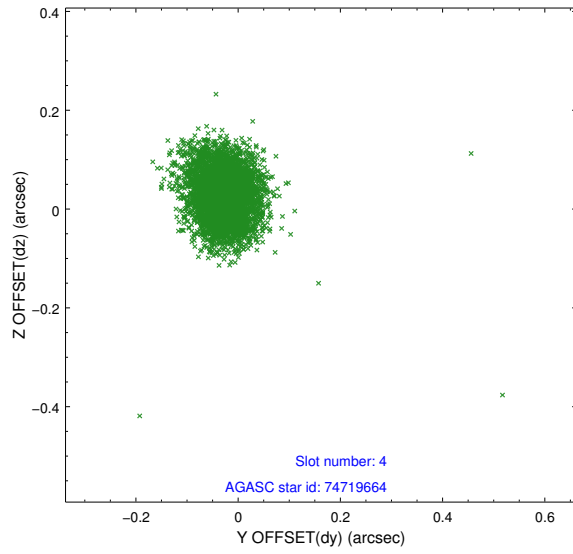
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1985	-0.011	-0.033	0.011	0.017	0.000000	0.000000	-761.49	-1733.59
1	FID	ACIS-S-4	7.20	1985	0.118	0.014	0.005	0.010	0.000000	0.000000	2151.61	174.22
2	FID	ACIS-S-5	7.23	1986	-0.138	0.028	0.011	0.018	0.000000	0.000000	-1813.57	168.70
3	GUIDE	74714192	8.68	3969	-0.082	0.125	0.063	0.101	339.623837	3.342441	869.00	-1566.75
4	GUIDE	74719664	8.33	3970	-0.028	0.031	0.064	0.103	339.961529	4.116119	-2169.80	-1596.55
5	GUIDE	74723224	8.71	3970	0.099	0.112	0.065	0.104	339.594650	3.574222	149.69	-2003.52
6	GUIDE	74854992	8.27	3969	-0.021	-0.074	0.057	0.092	340.342808	3.603730	-1044.83	406.25
7	GUIDE	74842128	8.52	3968	0.035	-0.189	0.074	0.116	340.118134	3.132788	832.24	362.90

2.4 Star Slots

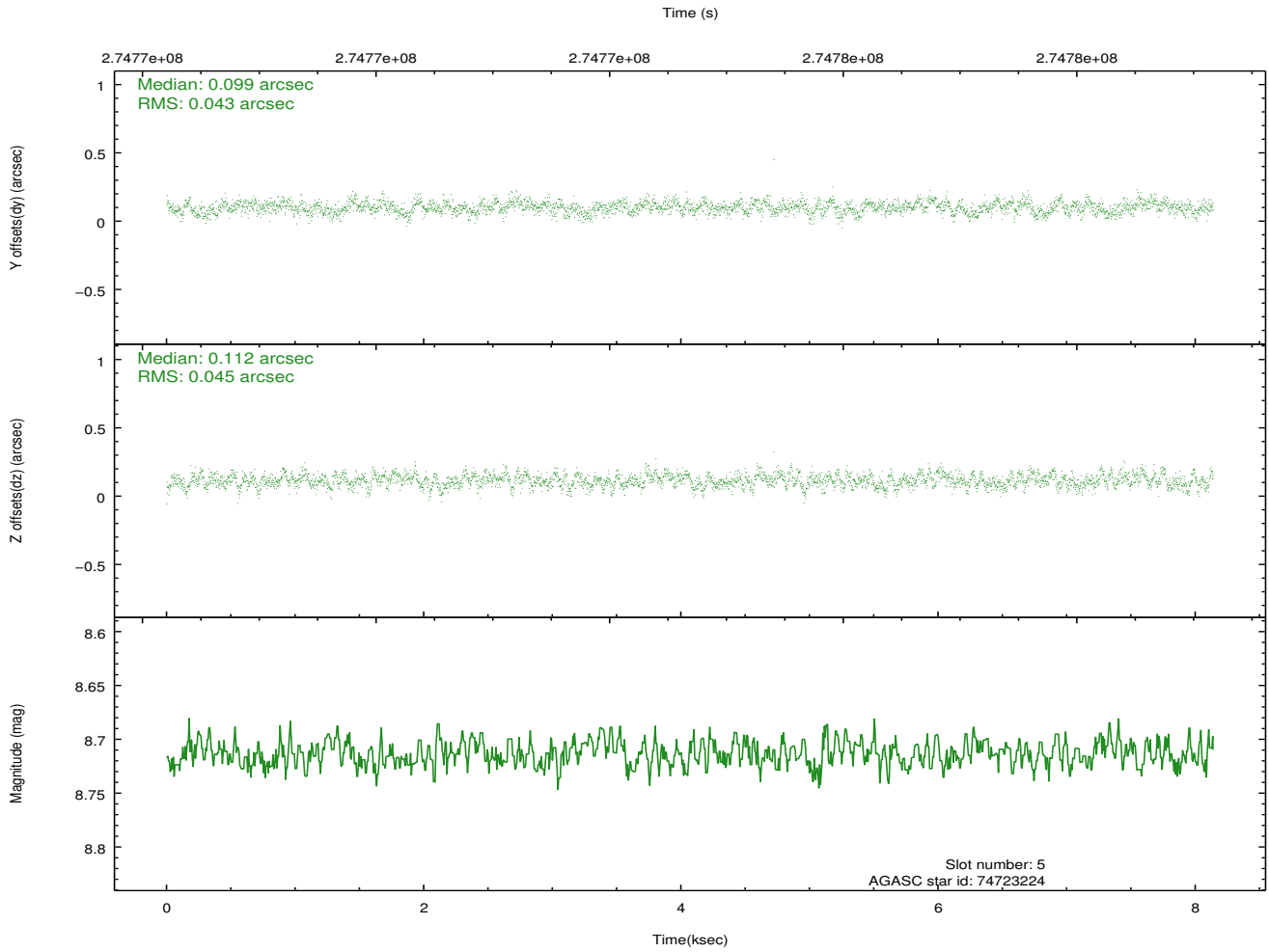
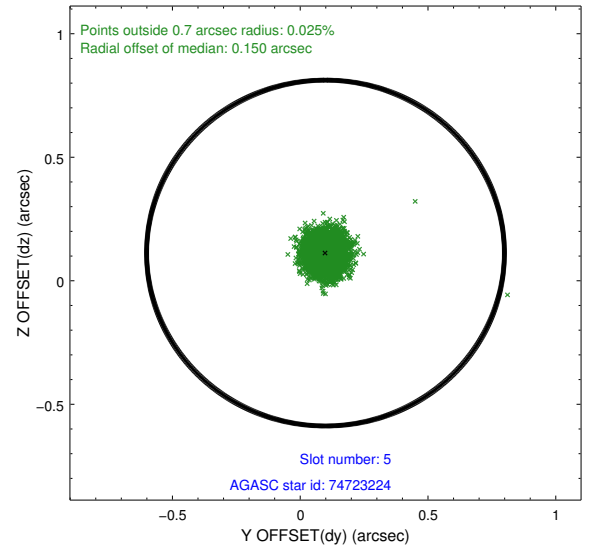
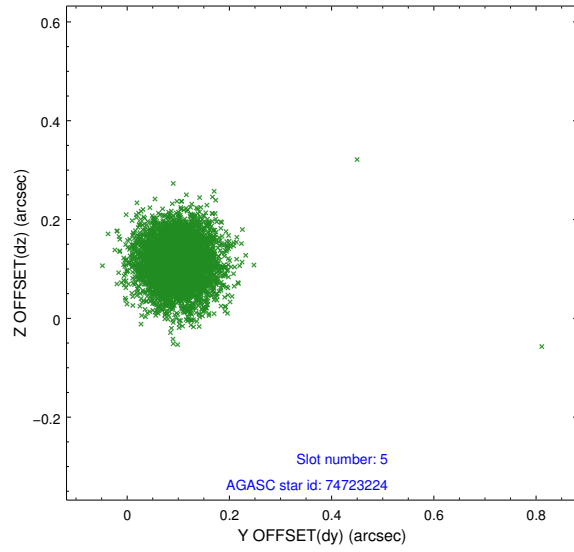
2.4.1 Slot 3



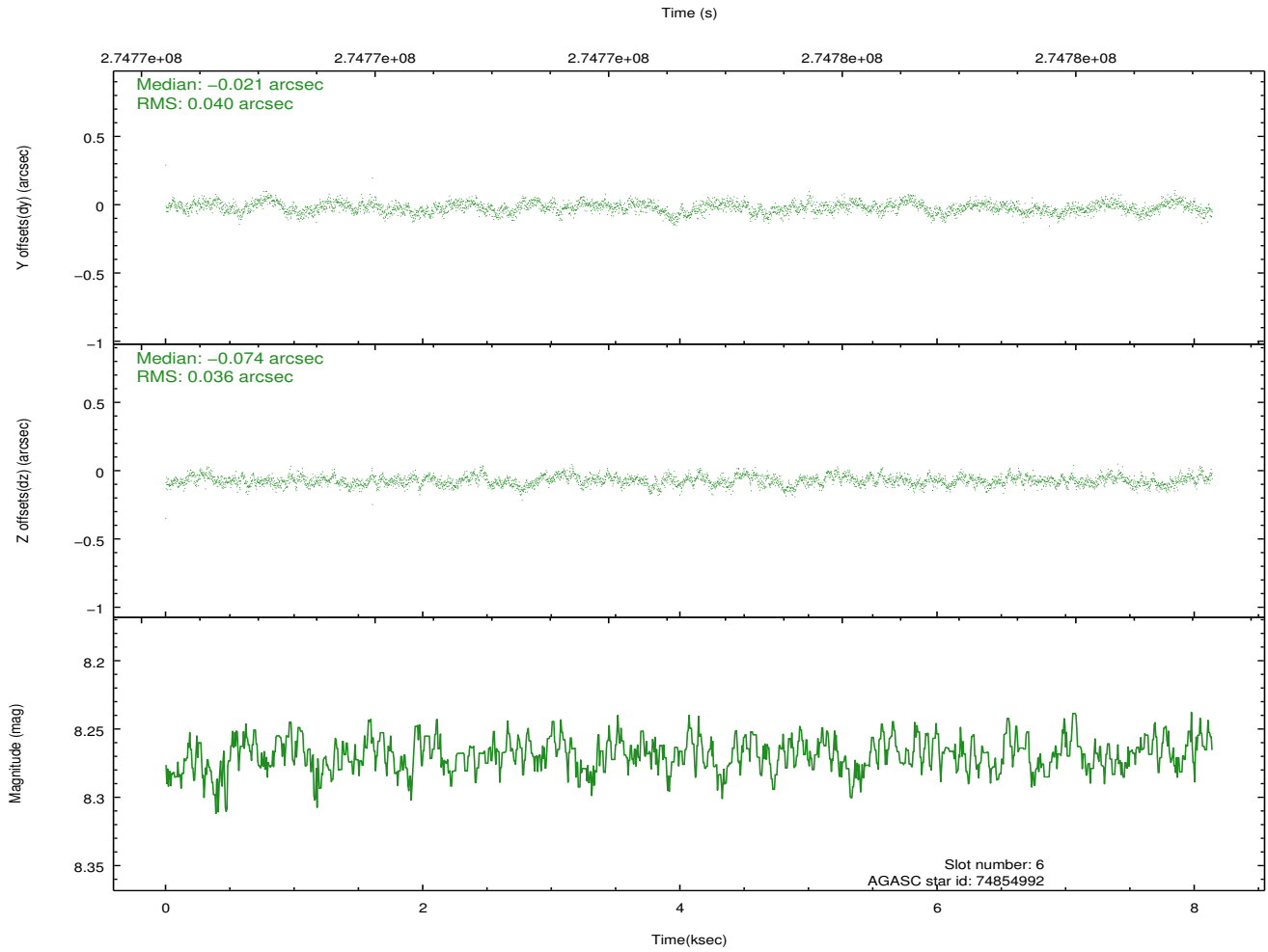
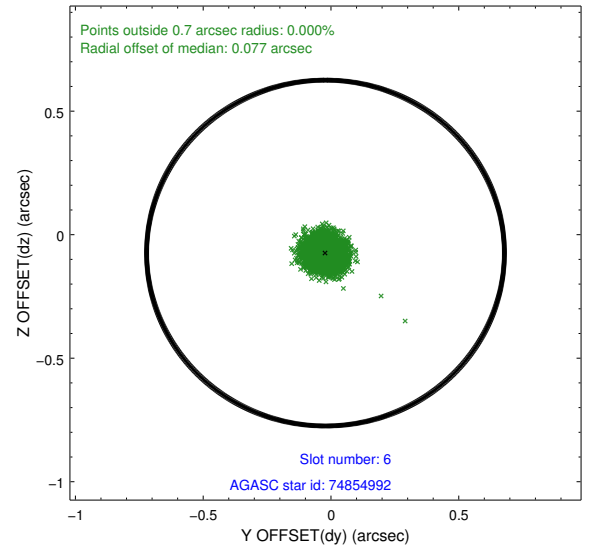
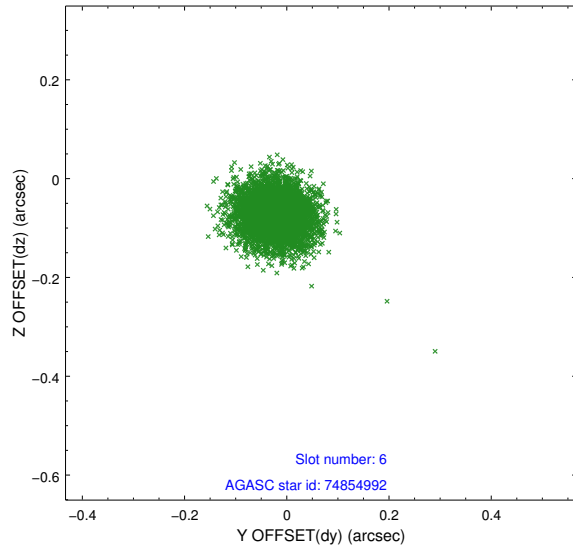
2.4.2 Slot 4



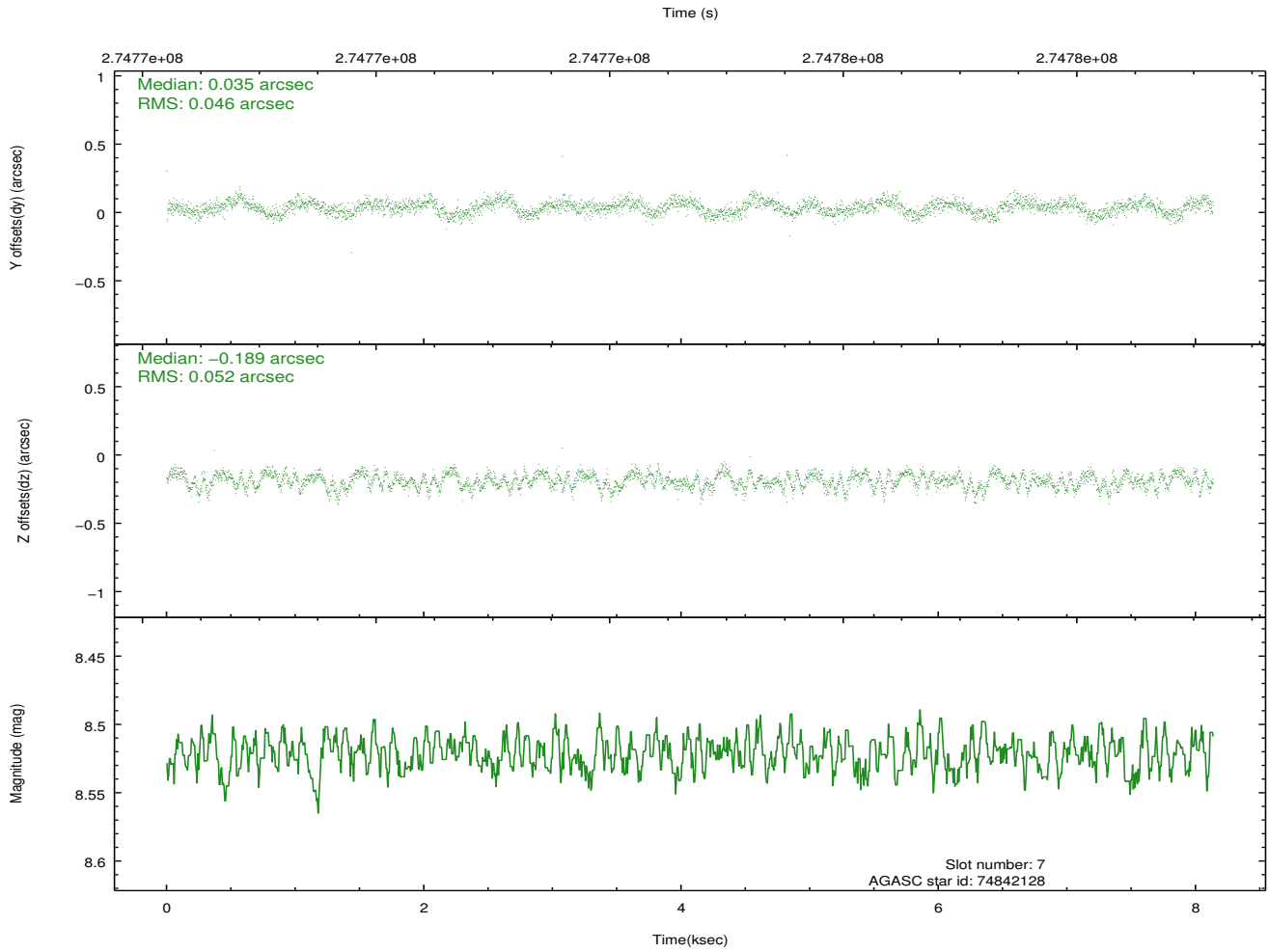
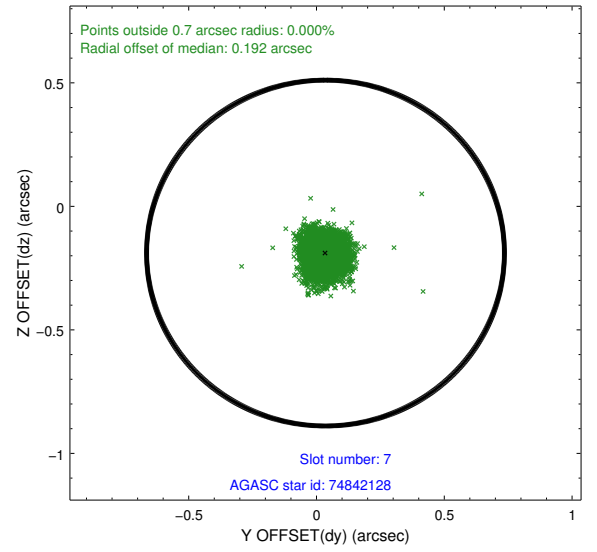
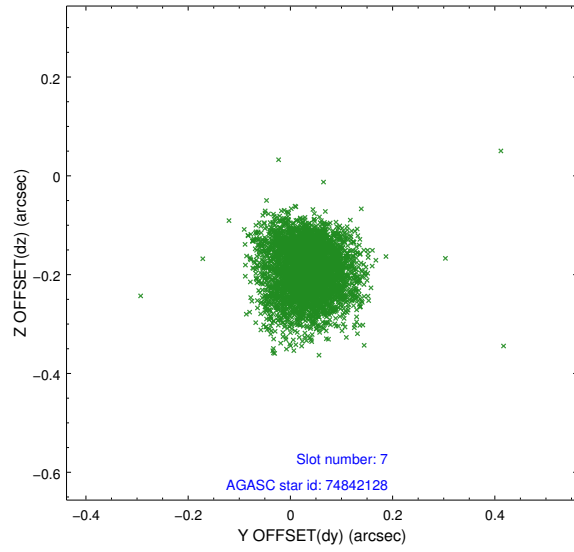
2.4.3 Slot 5



2.4.4 Slot 6

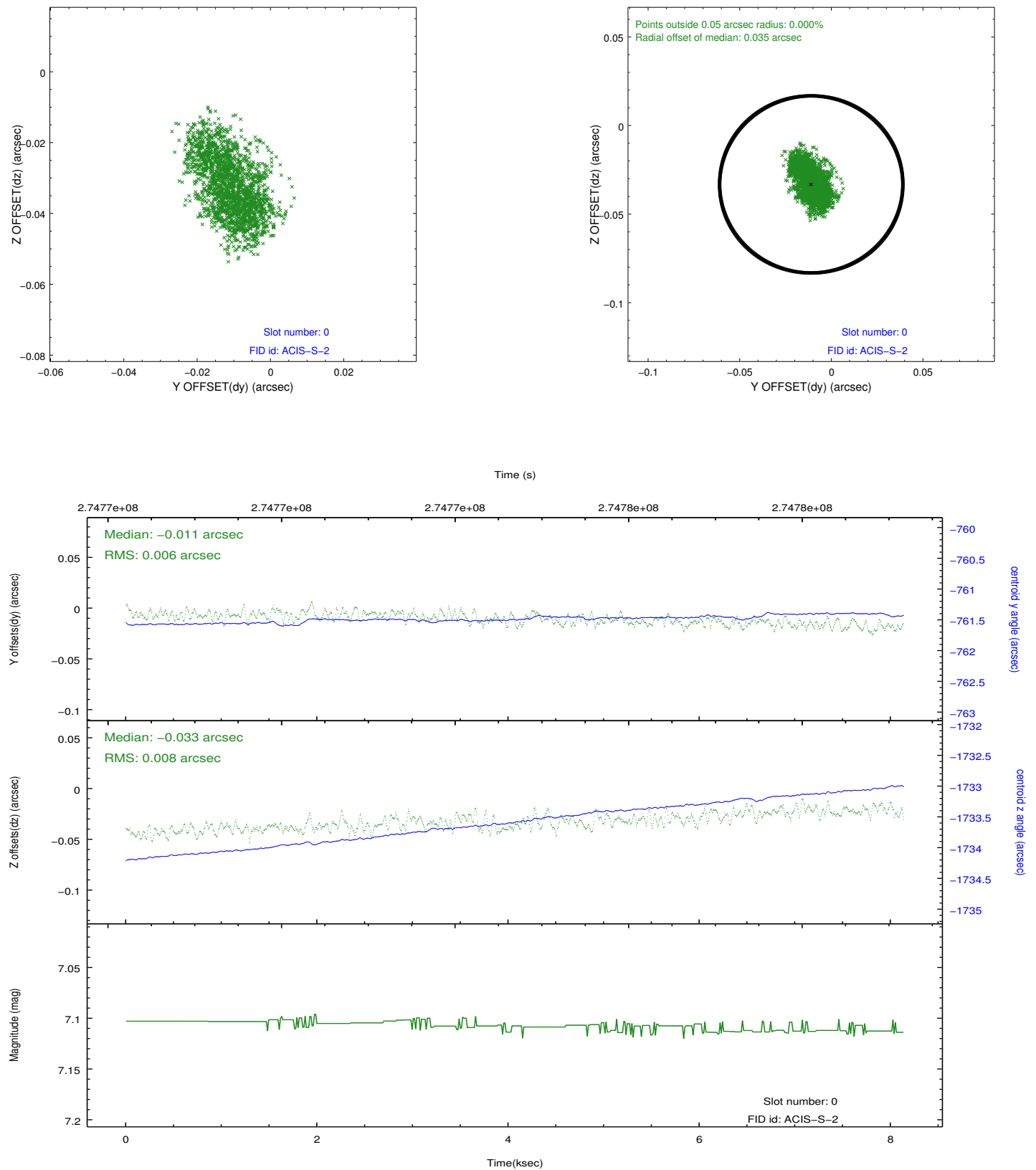


2.4.5 Slot 7

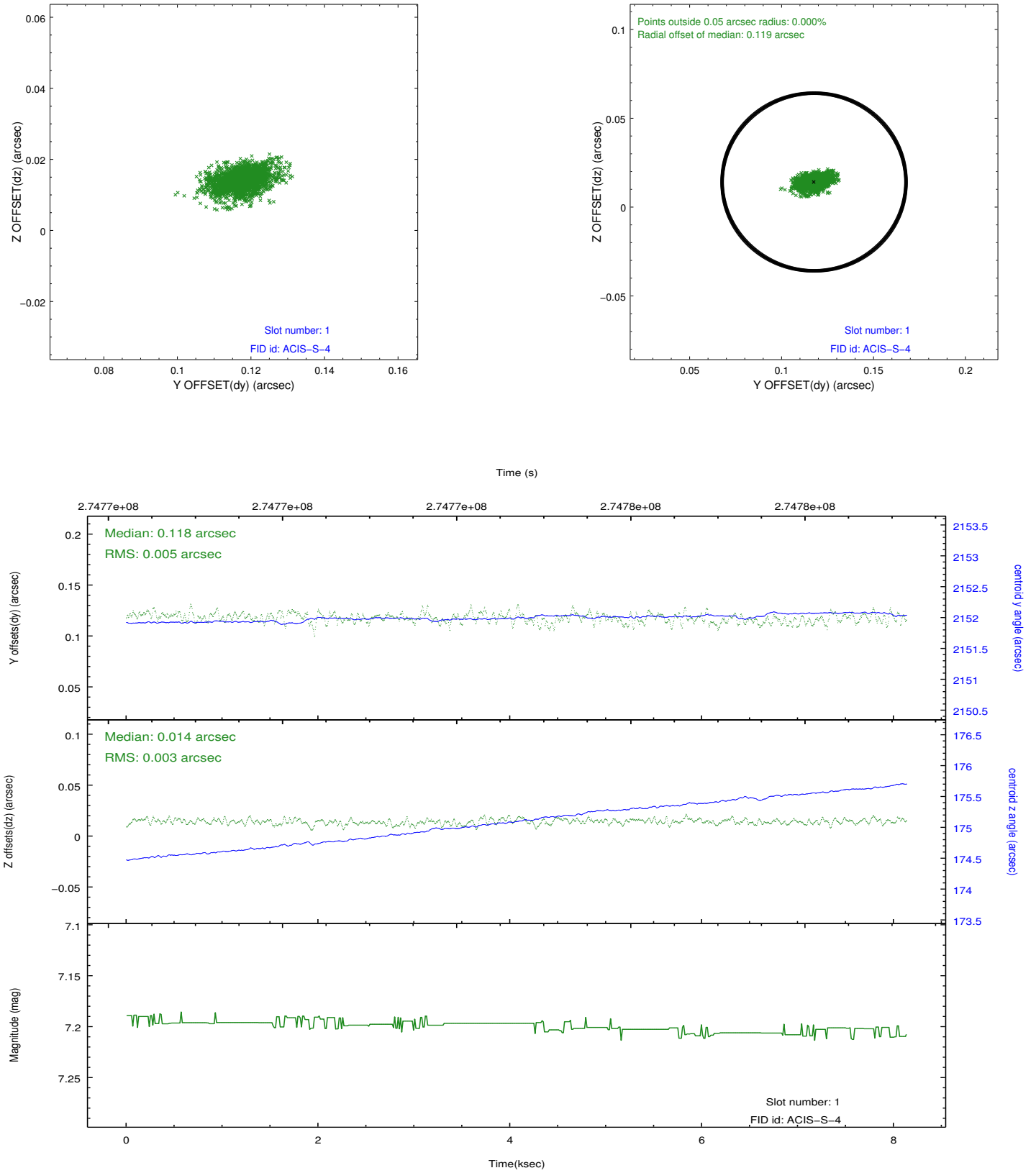


2.5 FID Slots

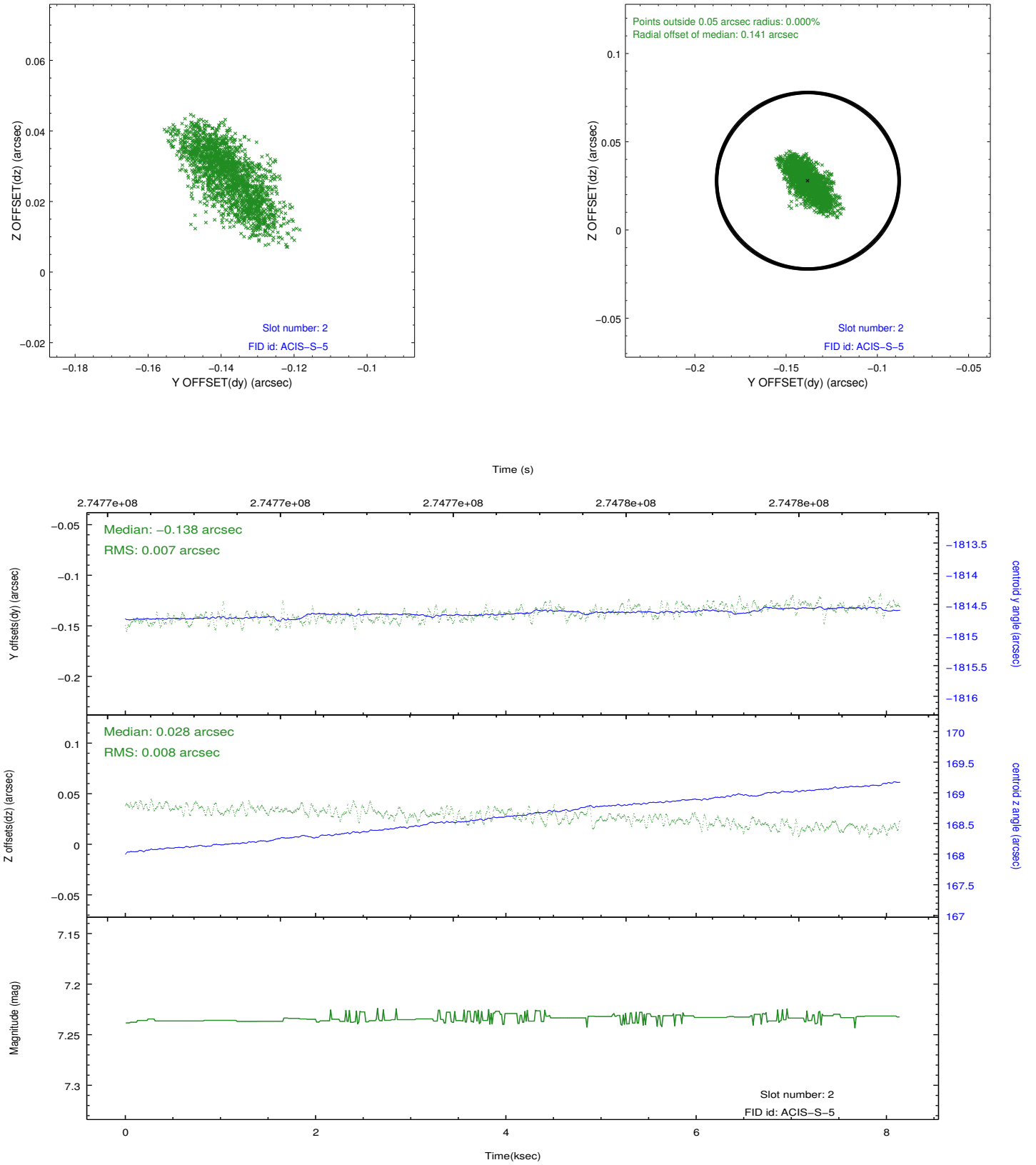
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.13619994

A.2 Comments

Monitoring interval request met.