

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6836 - L2 Version 2
Chandra X-Ray Center

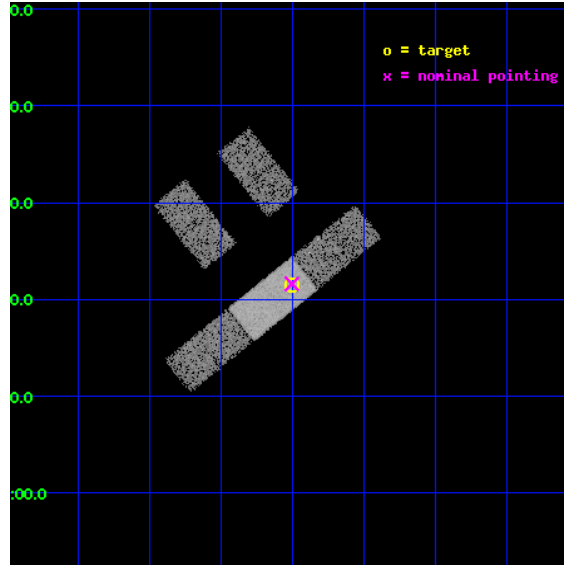
L2 Processing Date : Apr 7 2012

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1 Front

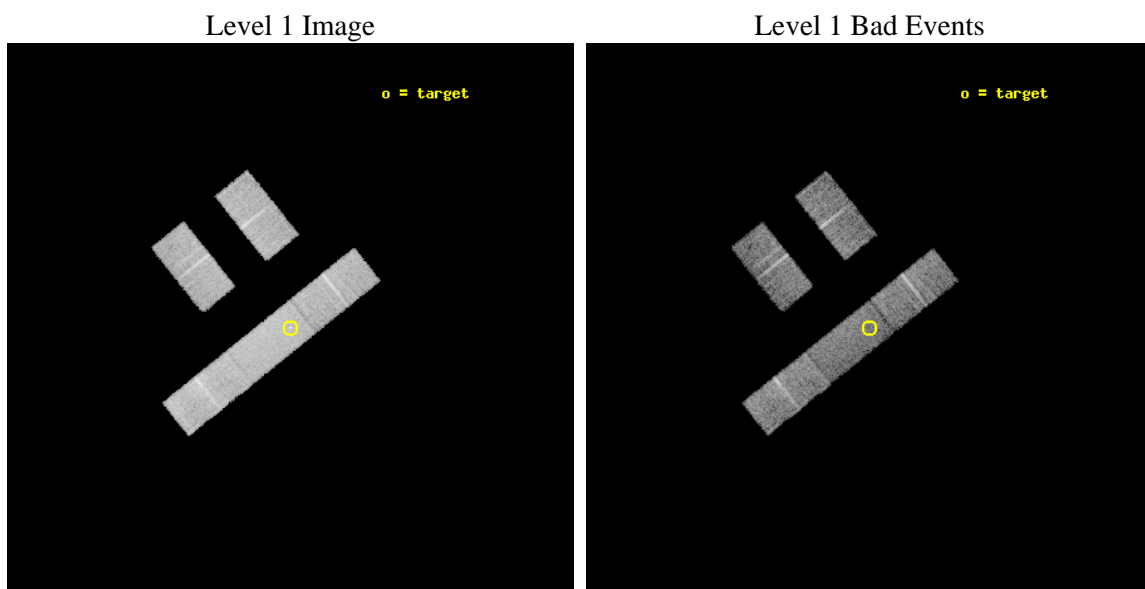
seq_num	701254	Sequence number
obs_id	6836	Observation id
title	Measuring the Size of a Quasar With Microlensing	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	Q2237+0305	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	340.125833	Observer's specified target RA [deg]
dec_targ	3.358333	Observer's specified target Dec [deg]
ra_nom	340.1258869862	Nominal RA [deg]
dec_nom	3.3604585022991	Nominal Dec [deg]
roll_nom	141.29493696765	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8119.1999431252	Sum of GTIs [s]
liveltime	7927.8132055053	Livetime [s]
ontime2	8115.7179228663	Sum of GTIs [s]
ontime3	8119.1999431252	Sum of GTIs [s]
ontime6	8119.1999431252	Sum of GTIs [s]
ontime7	8119.1999431252	Sum of GTIs [s]
ontime8	8119.1999431252	Sum of GTIs [s]
l2events	38411	Number of level 2 events



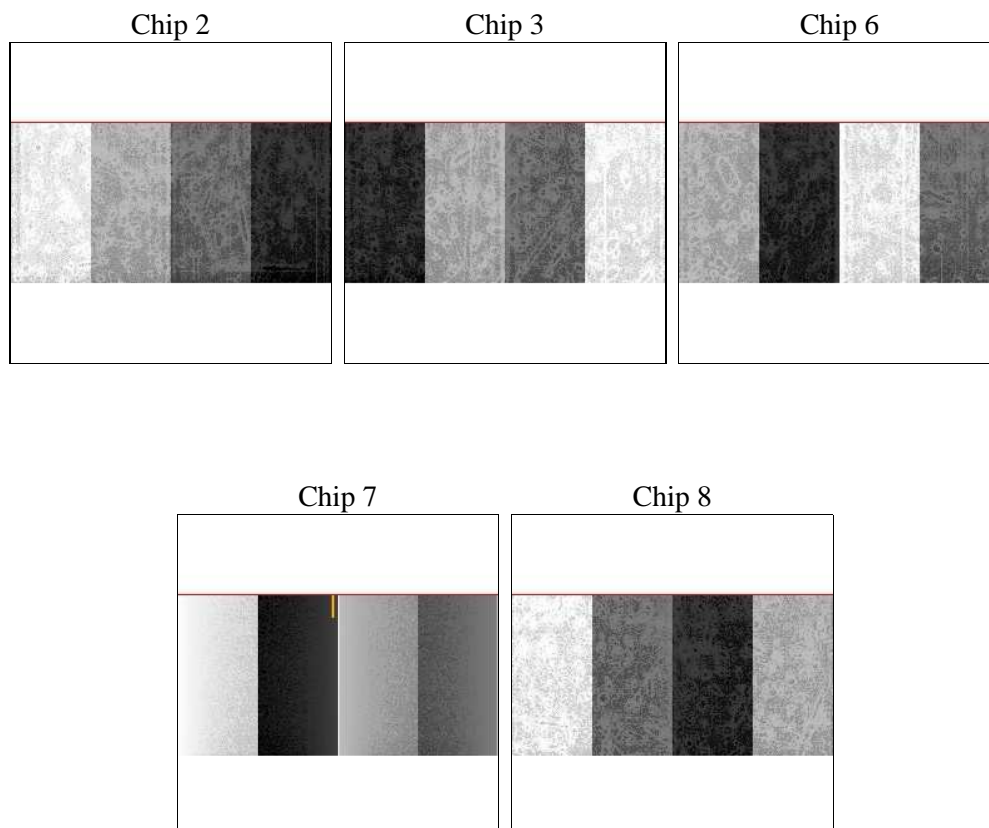
2 OBI

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	8119.1999431252	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	8115.7179228663	Sum of GTIs [s]
date	2012-04-07T09:57:53	Date and time of file creation	ontime3	8119.1999431252	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8119.1999431252	Sum of GTIs [s]
			ontime7	8119.1999431252	Sum of GTIs [s]
			ontime8	8119.1999431252	Sum of GTIs [s]
			l1events	252370	Number of level 1 events

2.1.4 Events

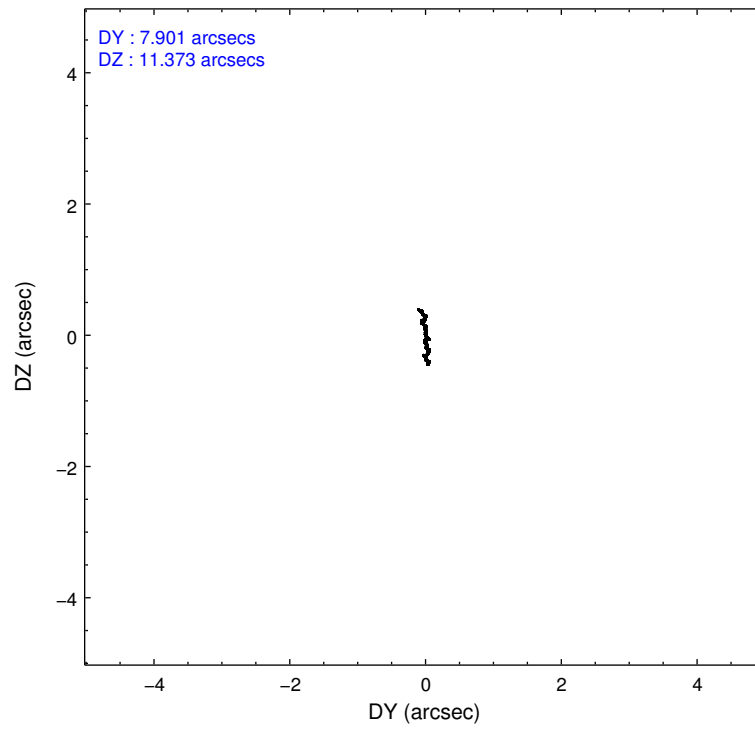
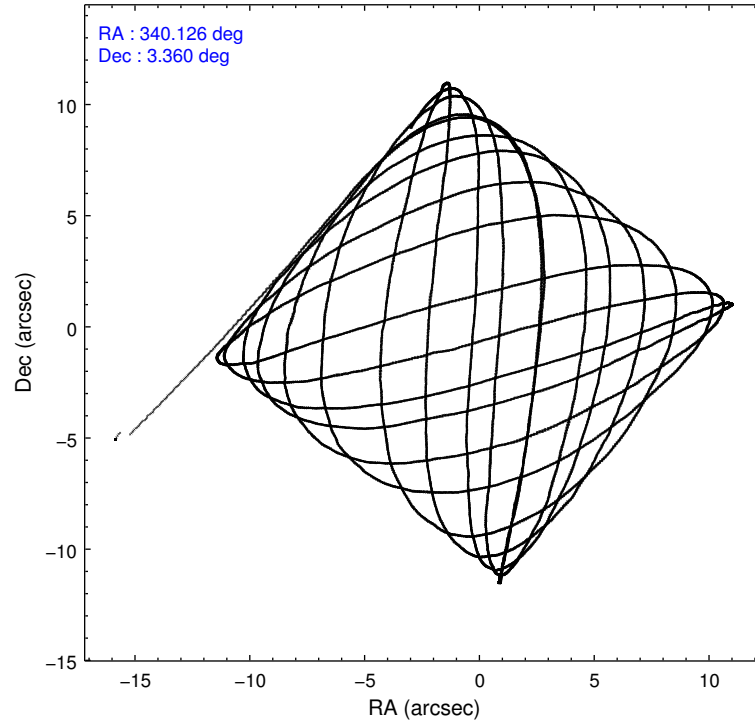
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	44400	42505	46906	59181	59378
rejected events	39677	37875	42069	36915	48410
rejected %	89%	89%	89%	62%	81%

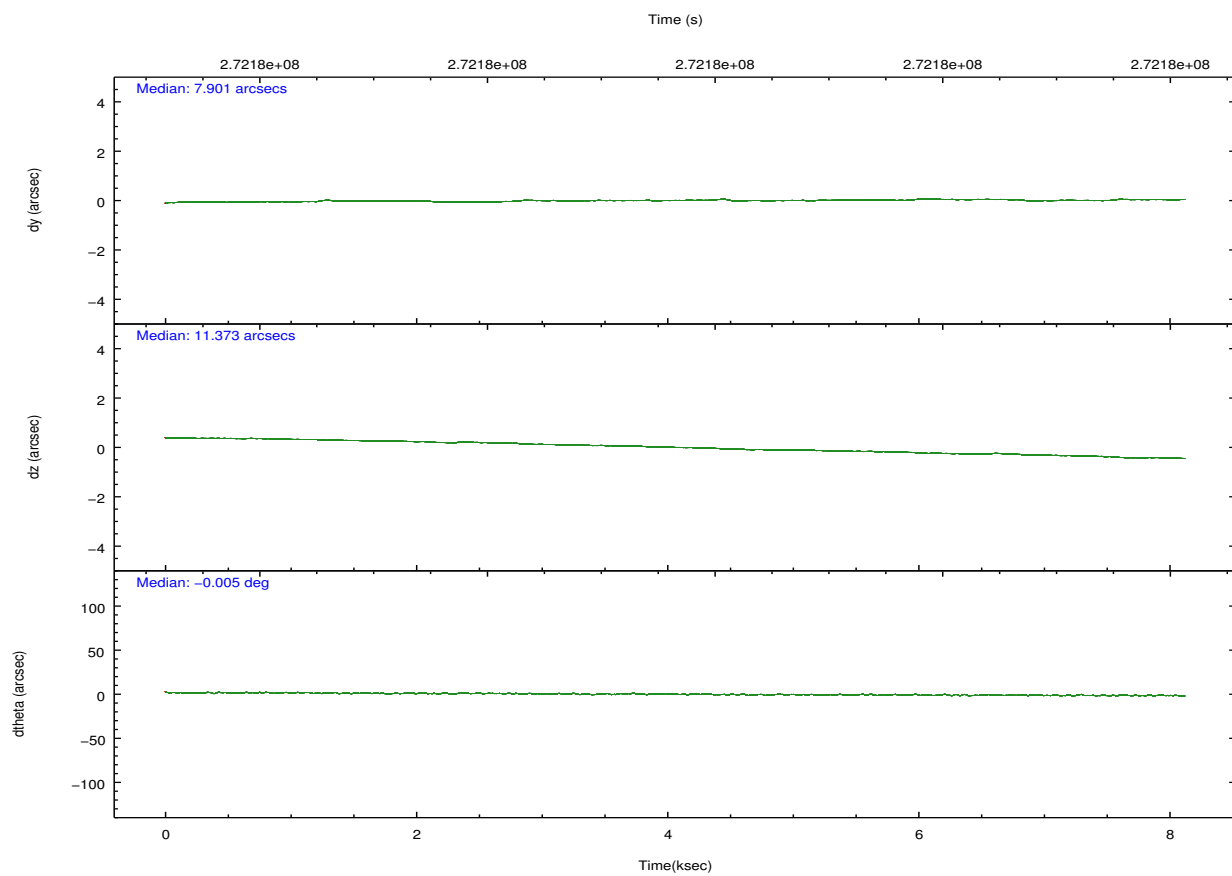
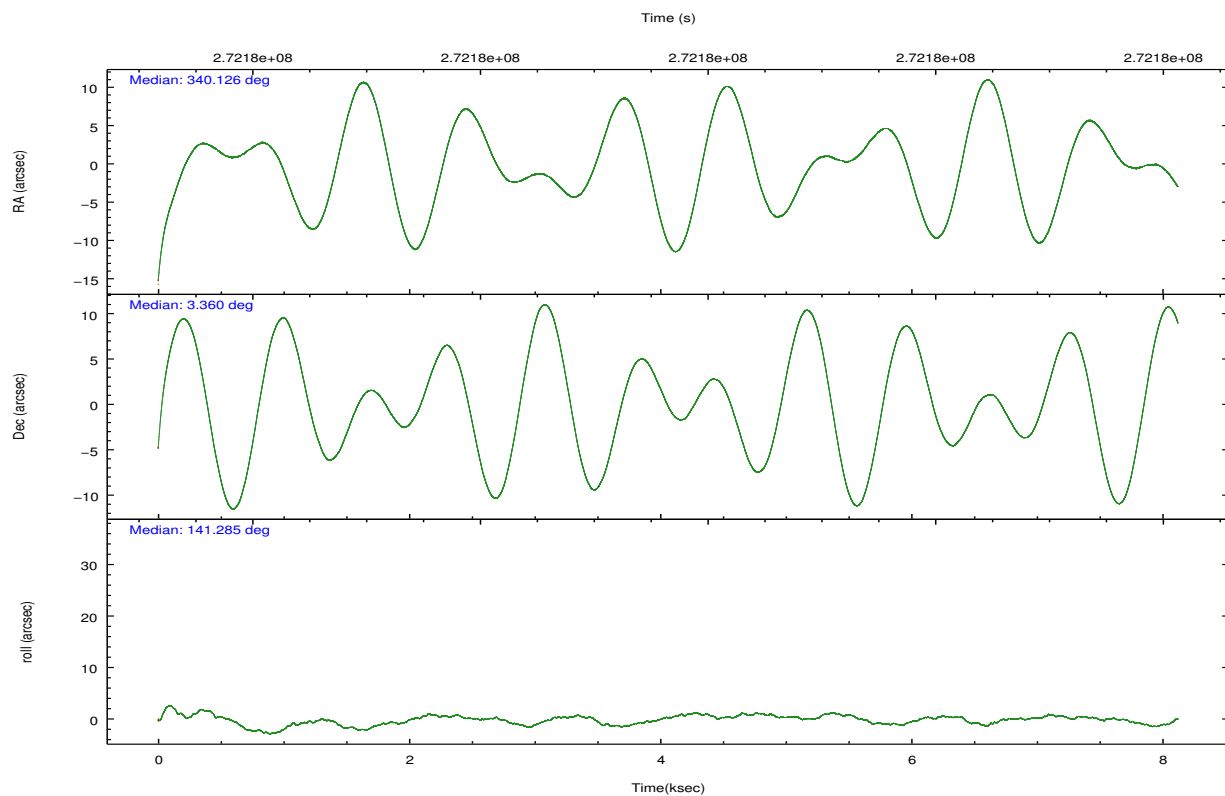
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2267	2213	2086	2430	3786
	5%	5%	4%	4%	6%
grade 1 events	25	19	18	68	38
	0%	0%	0%	0%	0%
grade 2 events	1095	967	1055	5085	2833
	2%	2%	2%	8%	4%
grade 3 events	591	623	644	2370	1314
	1%	1%	1%	4%	2%
grade 4 events	611	582	596	2323	1164
	1%	1%	1%	3%	1%
grade 5 events	1648	1922	2001	5678	2634
	3%	4%	4%	9%	4%
grade 6 events	799	864	1067	12957	3358
	1%	2%	2%	21%	5%
grade 7 events	37364	35315	39439	28270	44251
	84%	83%	84%	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	340.152929	340.1258869862044	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	3.356653	3.360458502299119	Subarray start row	257	257
[deg] Pointing Roll	141.136724	141.294936967649	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)	272175703.184000	272174410.91005			
Observation start date	2006-08-17T04:20:38	2006-08-17T04:00:10			
[s] Observation end time (MET)	272183703.184000	272184668.08554			
Observation end date	2006-08-17T06:33:58	2006-08-17T06:51:08			
Read mode	TIMED	TIMED			

2.3 Aspect



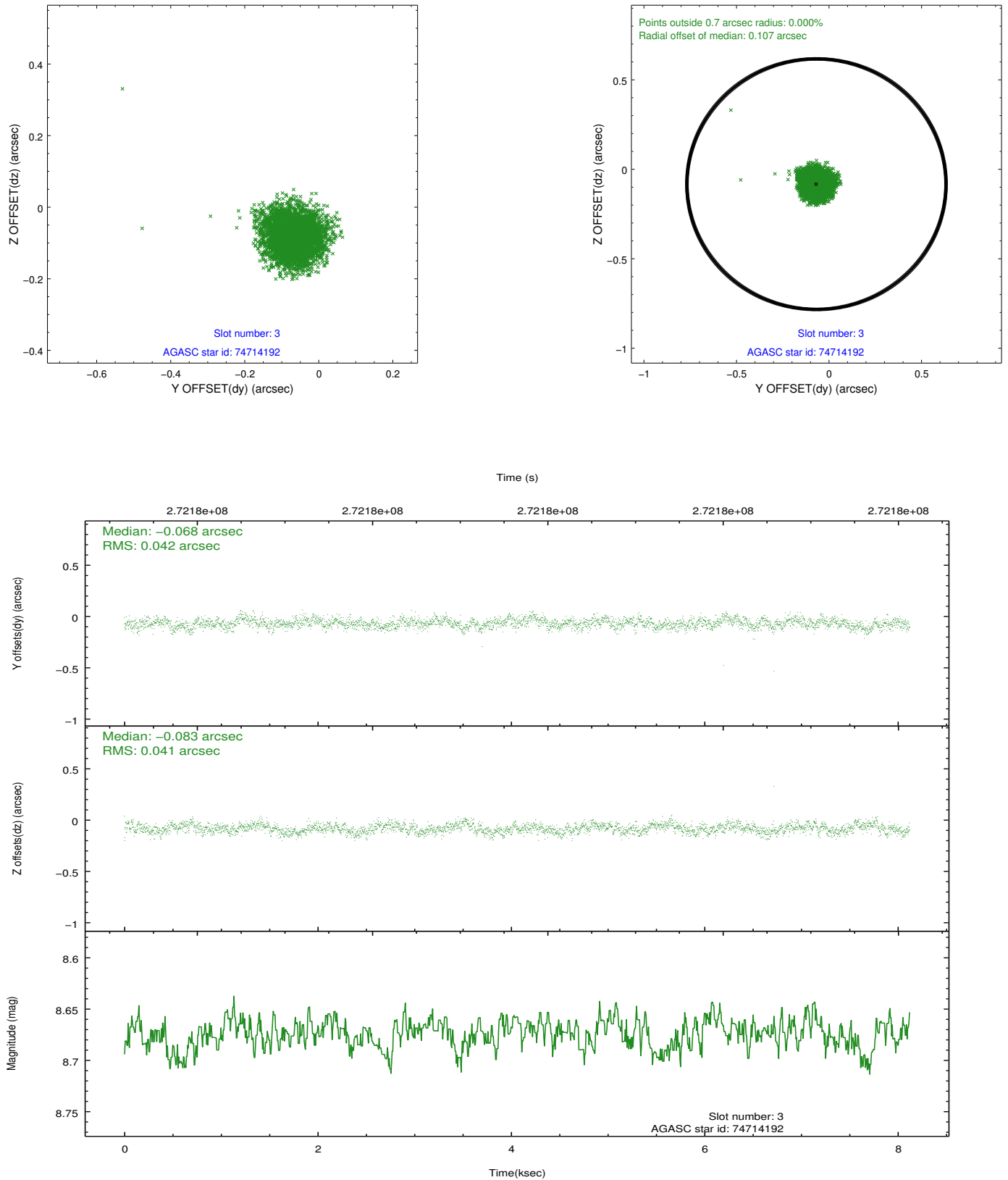


Slot Statistics

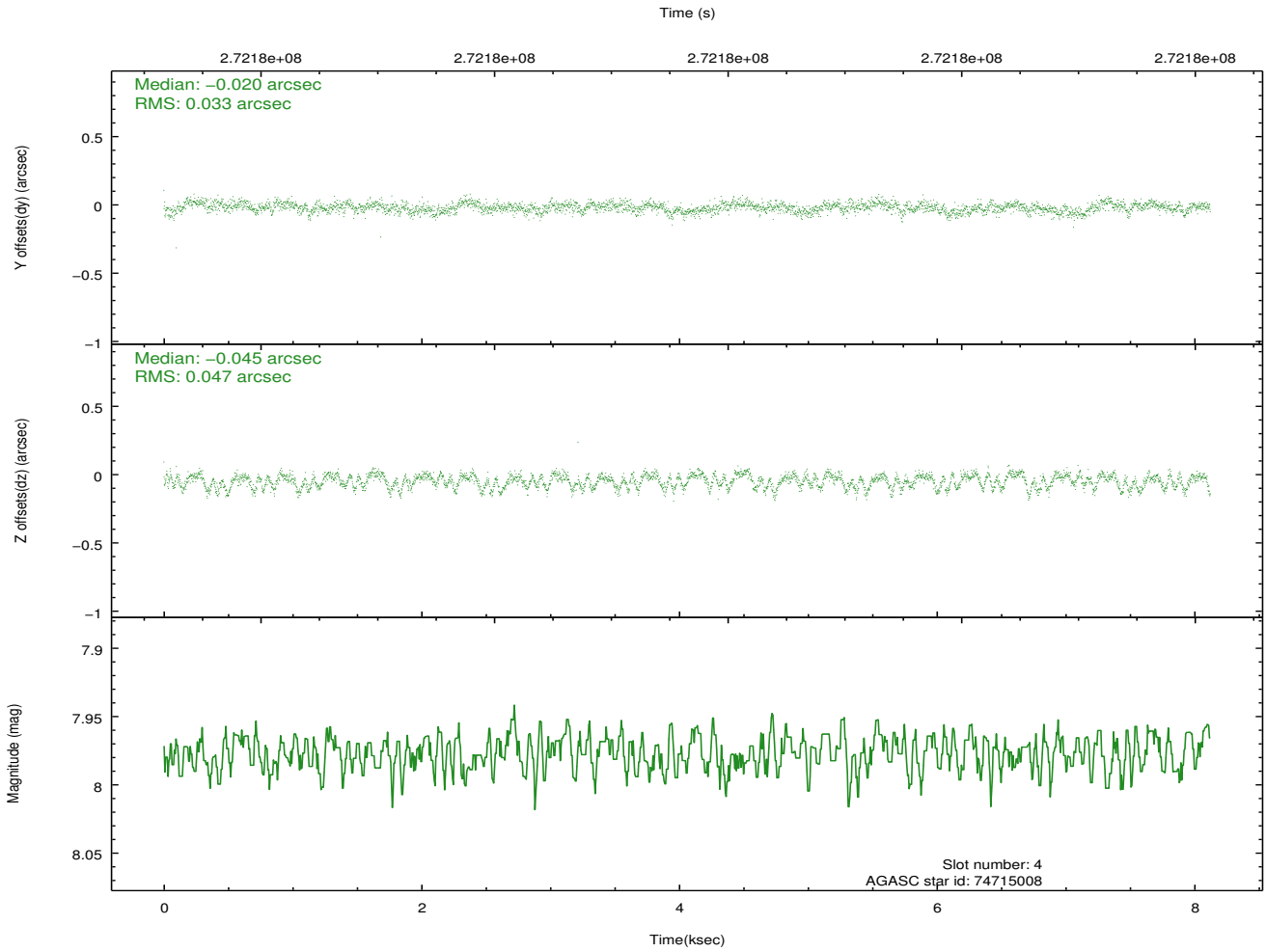
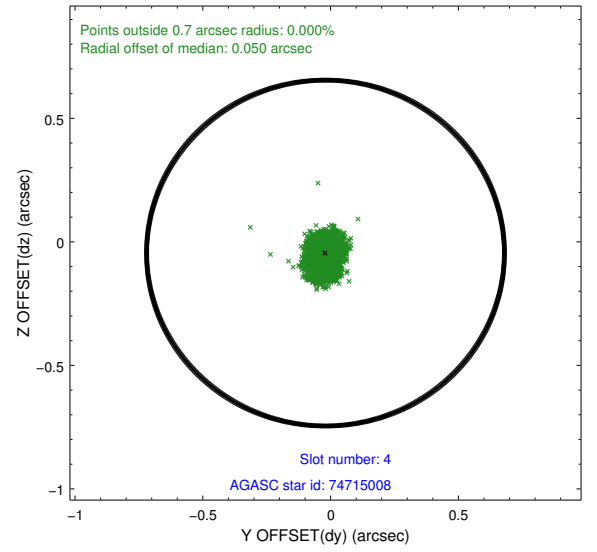
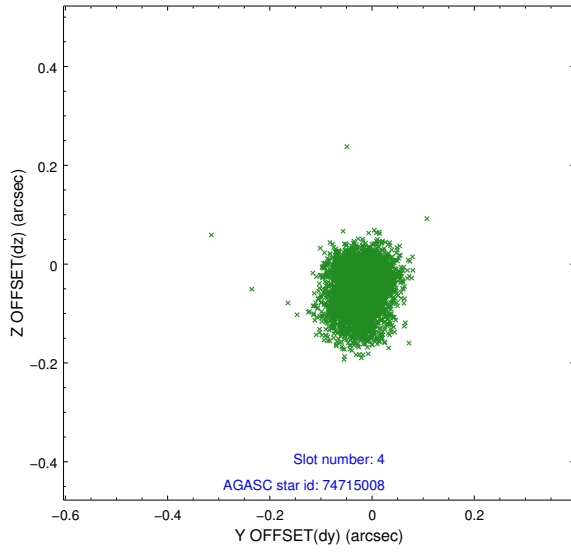
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1982	-0.034	-0.024	0.009	0.014	0.000000	0.000000	-760.68	-1732.64
1	FID	ACIS-S-4	7.21	1982	0.111	0.023	0.007	0.015	0.000000	0.000000	2152.40	175.22
2	FID	ACIS-S-5	7.23	1981	-0.110	0.010	0.007	0.012	0.000000	0.000000	-1812.74	169.61
3	GUIDE	74714192	8.67	3963	-0.068	-0.083	0.062	0.100	339.623837	3.342441	1448.67	1232.86
4	GUIDE	74715008	7.98	3962	-0.020	-0.045	0.061	0.098	339.956848	3.242441	291.16	762.74
5	GUIDE	74719664	8.35	3962	0.044	0.167	0.075	0.121	339.961529	4.116119	2250.85	-1698.20
6	GUIDE	74855640	8.85	3960	-0.167	-0.017	0.066	0.107	340.341123	3.746937	356.04	-1518.53
7	GUIDE	74842128	8.53	3961	0.217	-0.015	0.060	0.096	340.118134	3.132788	-407.92	705.83

2.4 Star Slots

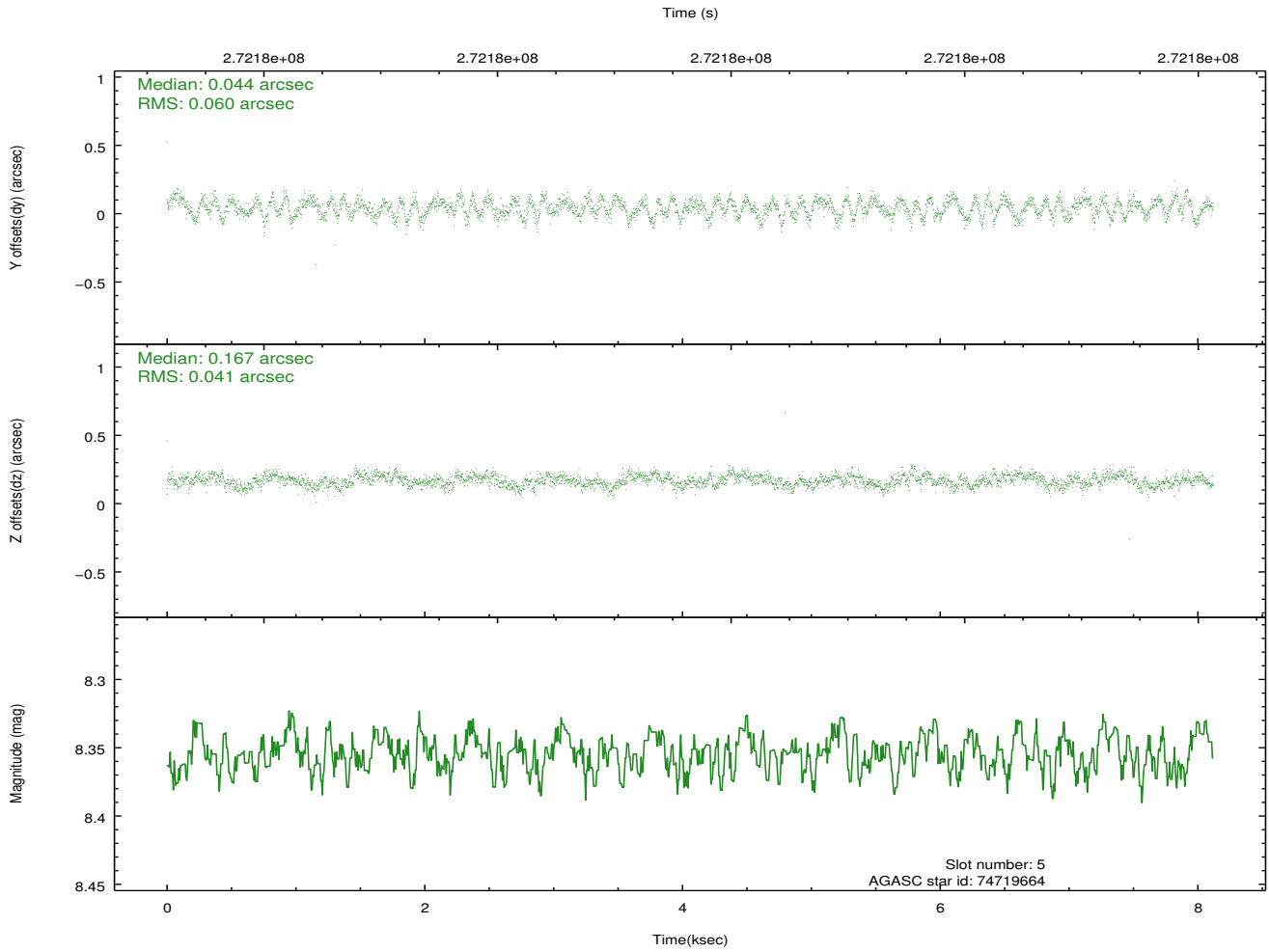
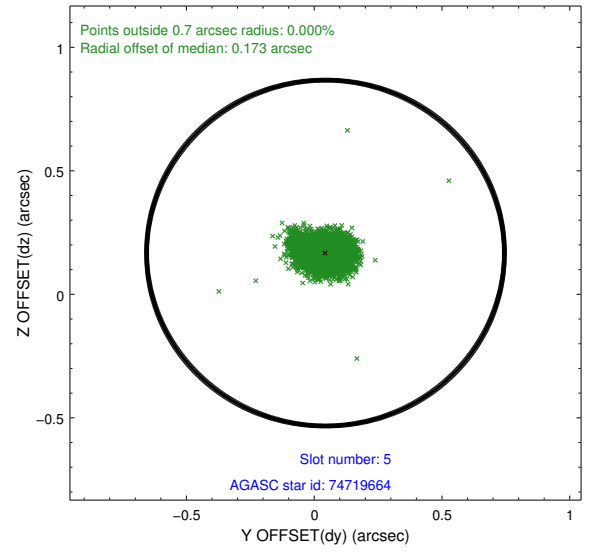
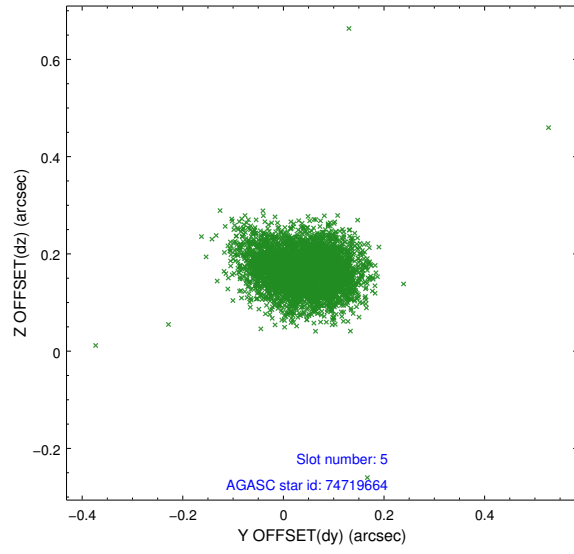
2.4.1 Slot 3



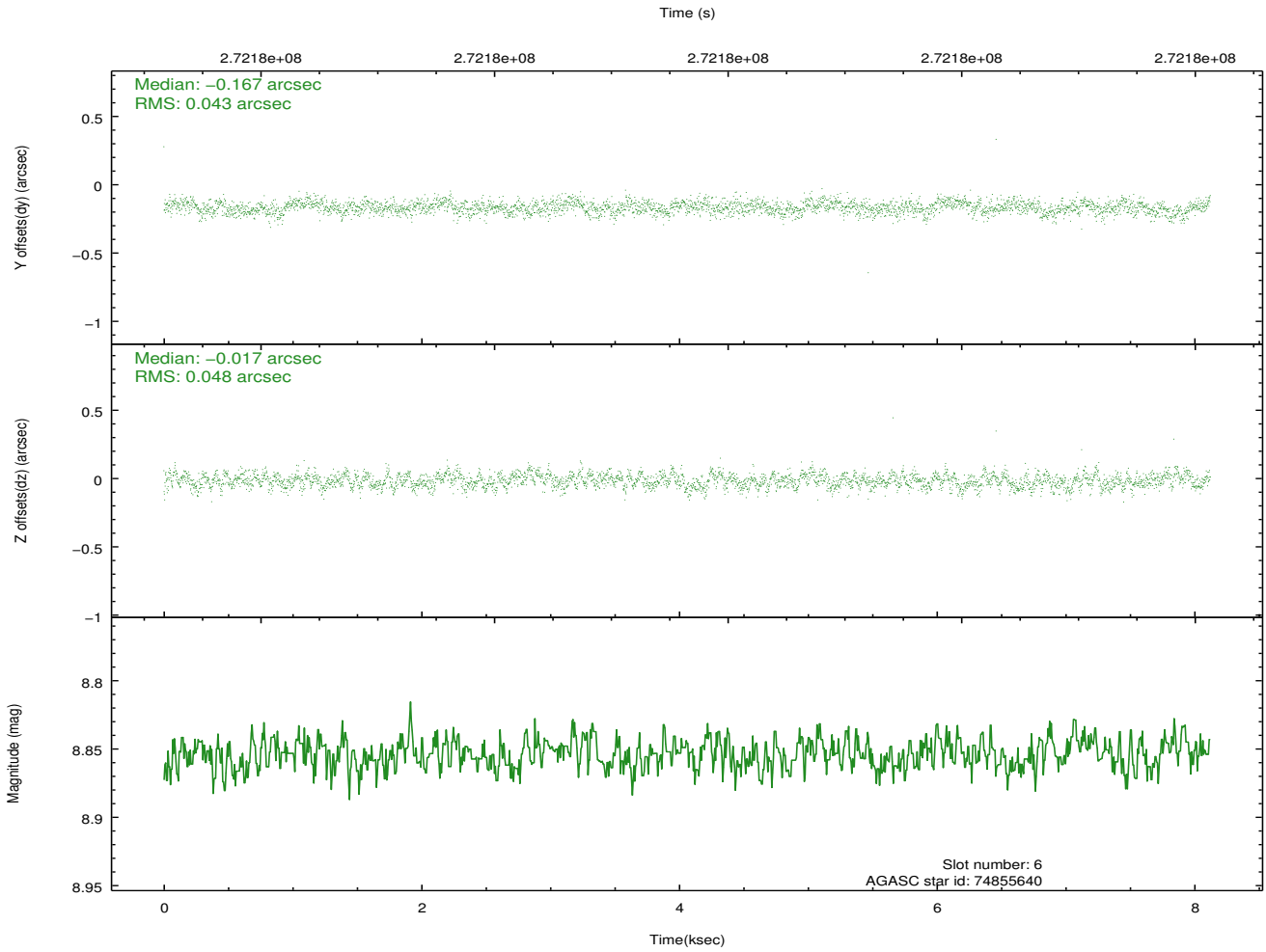
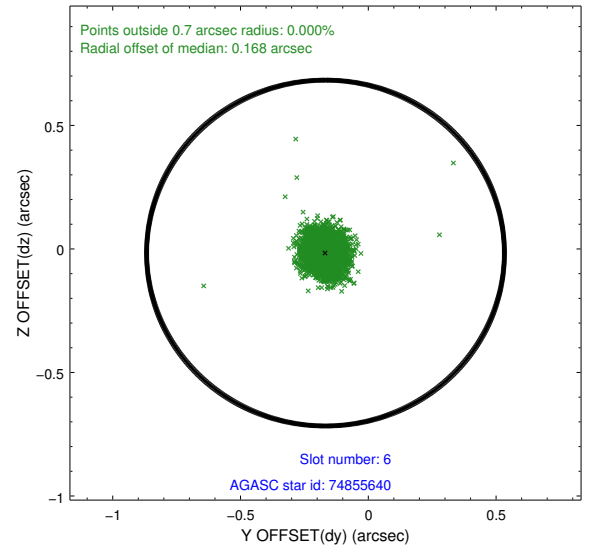
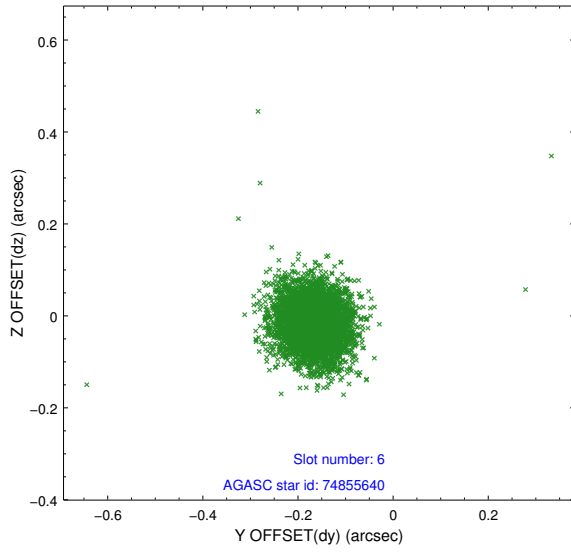
2.4.2 Slot 4



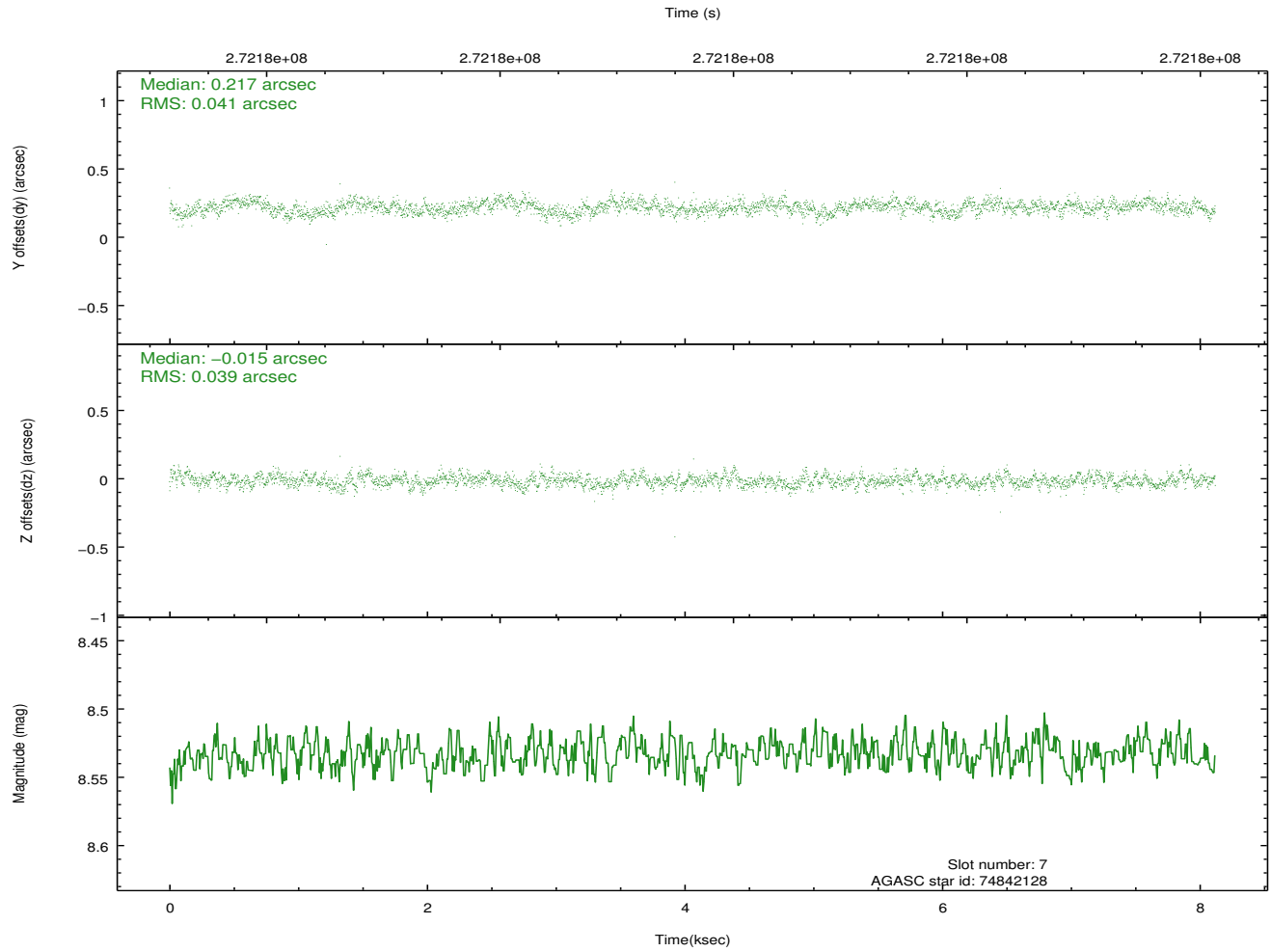
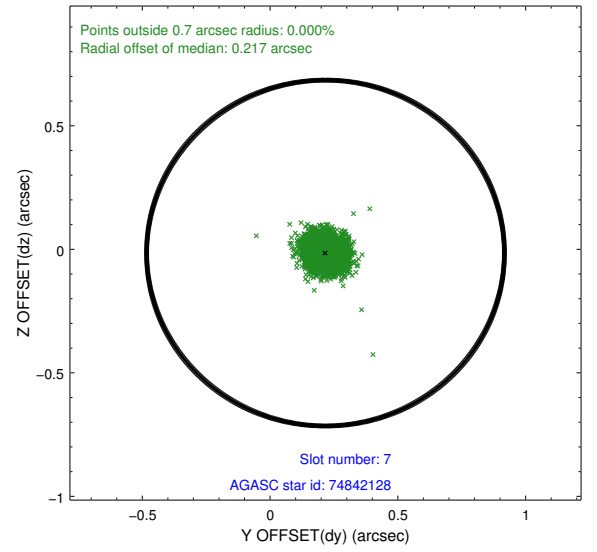
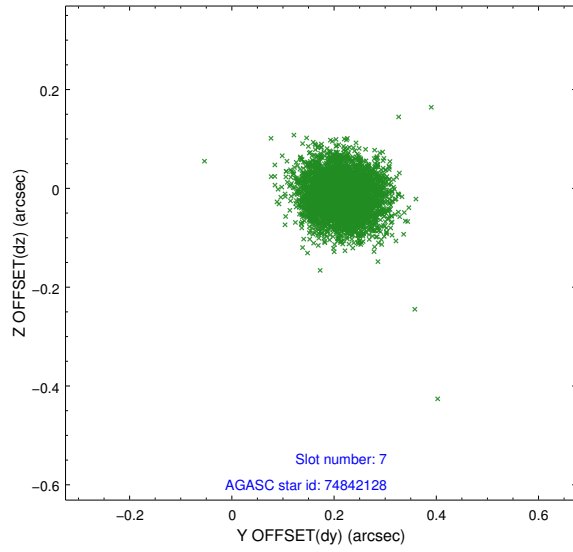
2.4.3 Slot 5



2.4.4 Slot 6

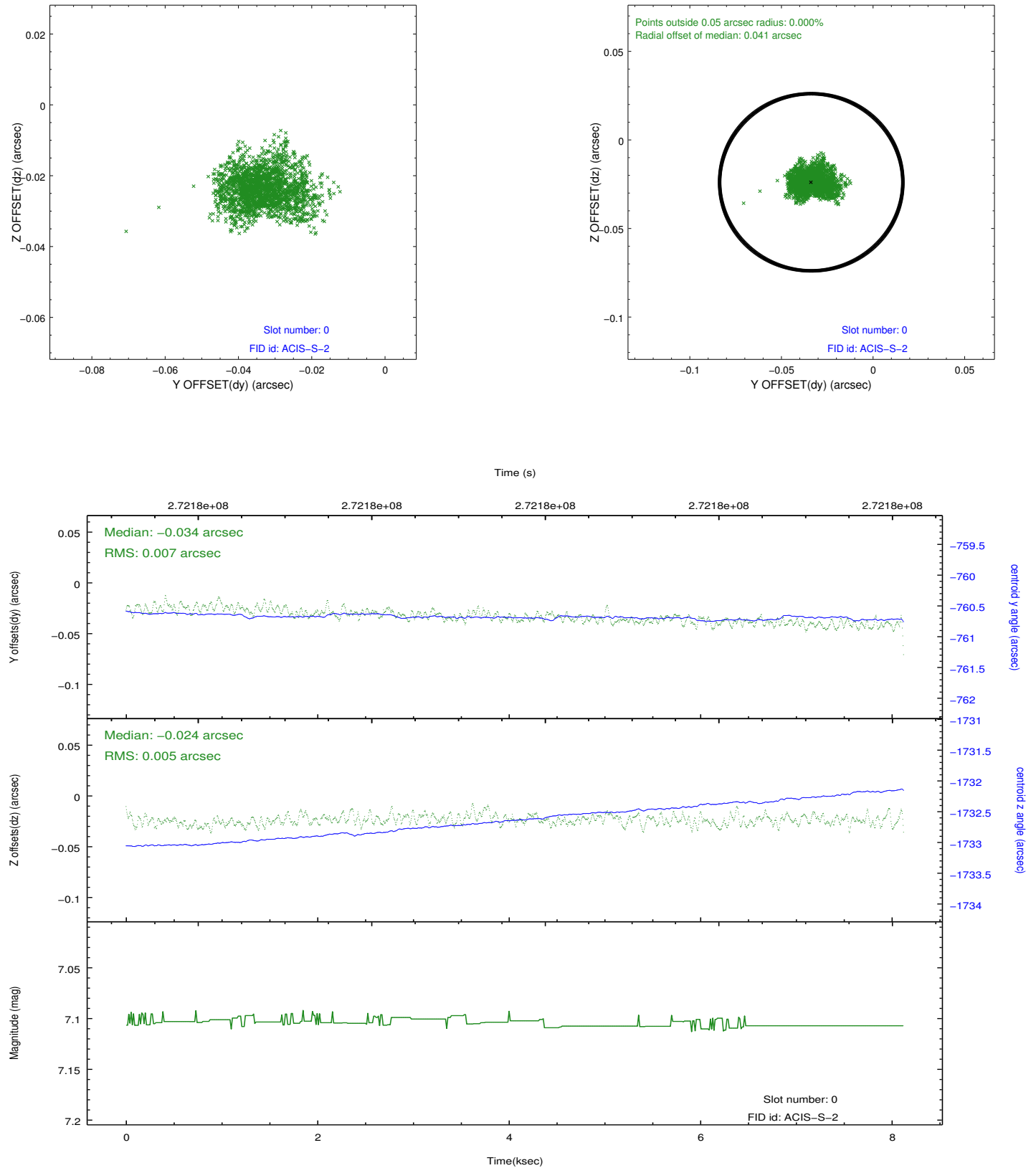


2.4.5 Slot 7

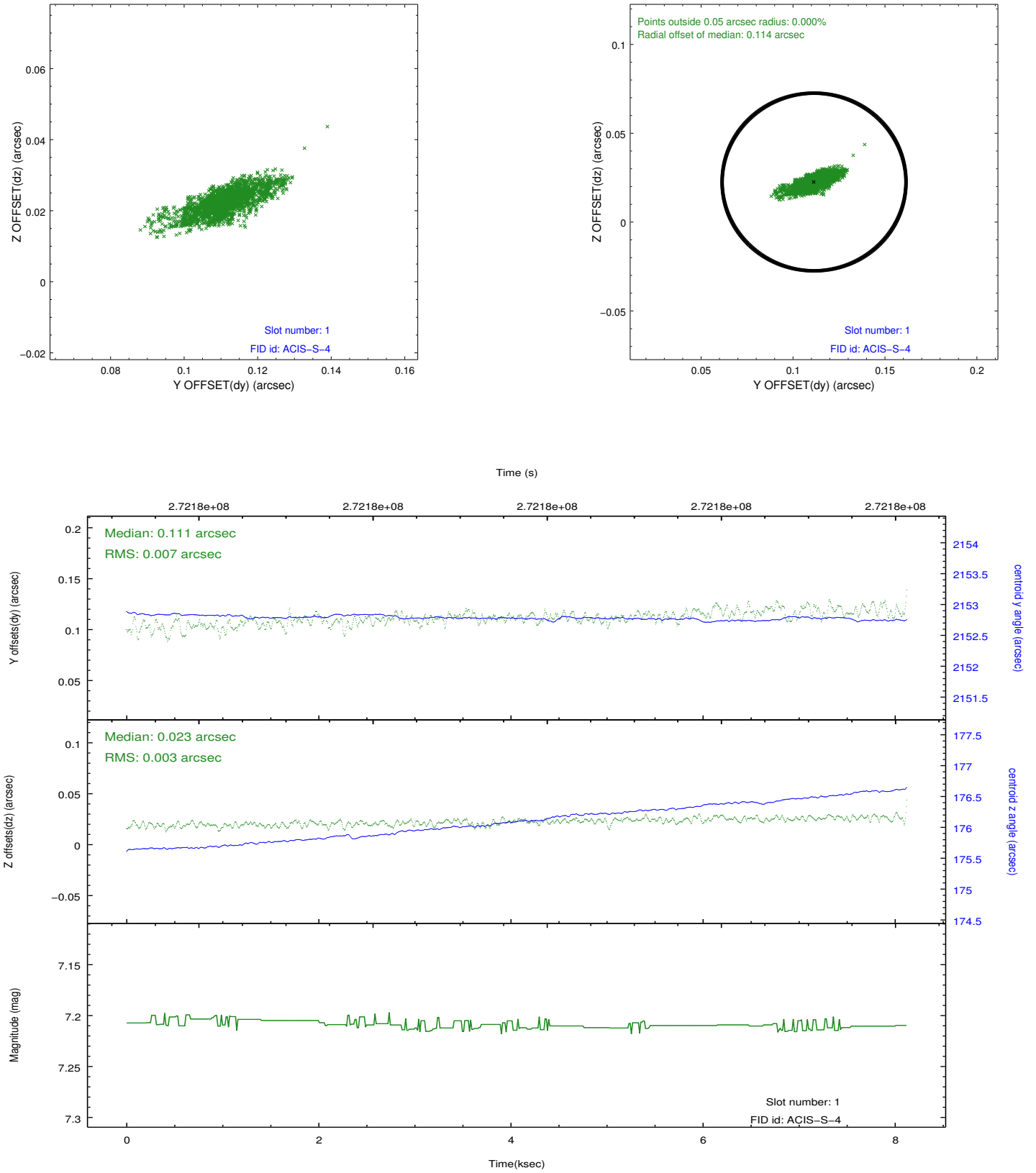


2.5 FID Slots

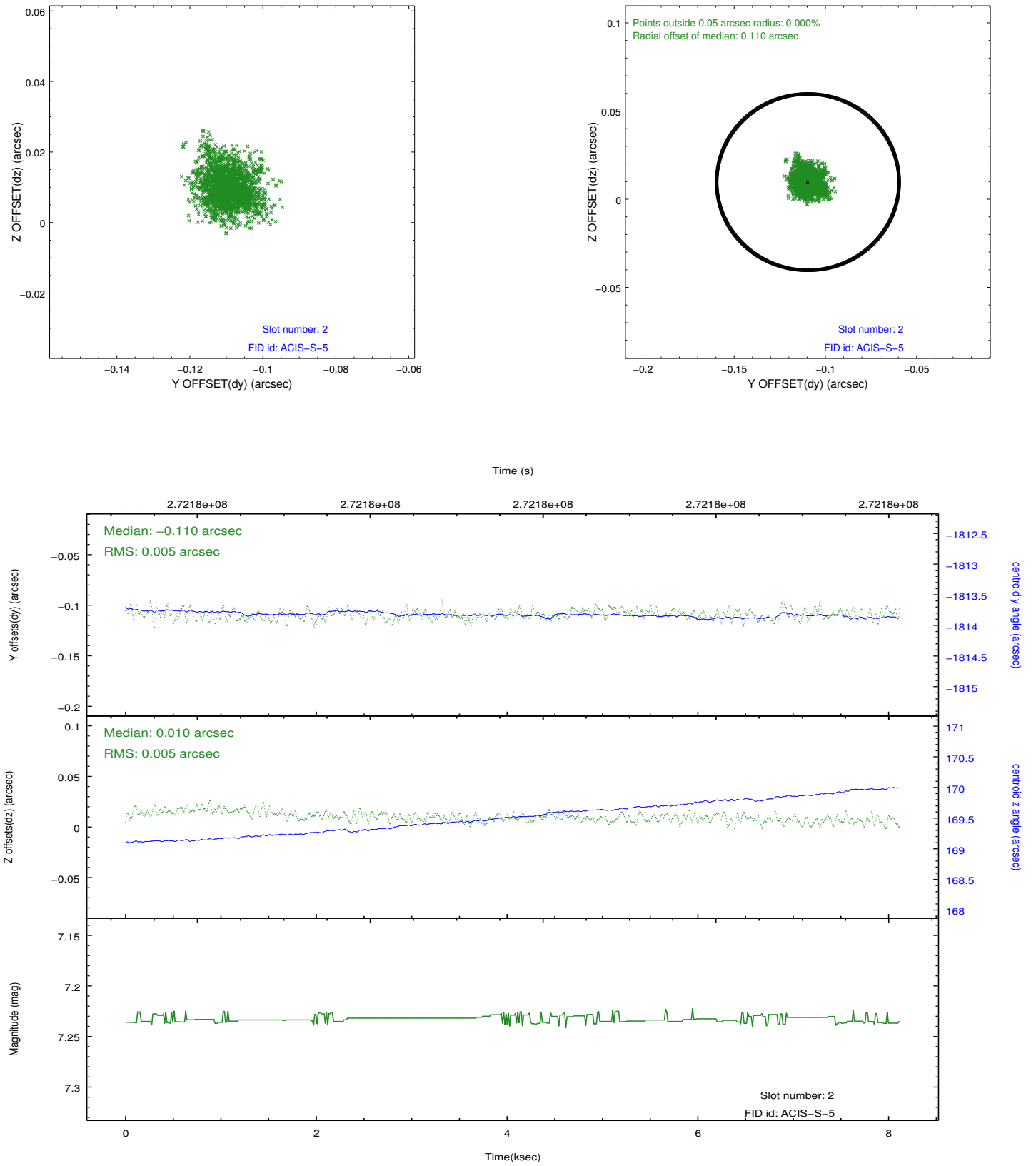
2.5.1 Slot 0



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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.11919994

A.2 Comments