

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6832 - L2 Version 2
Chandra X-Ray Center

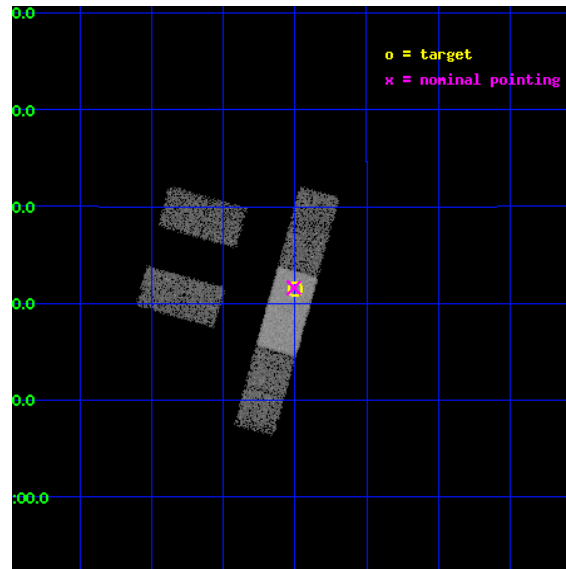
L2 Processing Date : Mar 31 2012

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1 Front

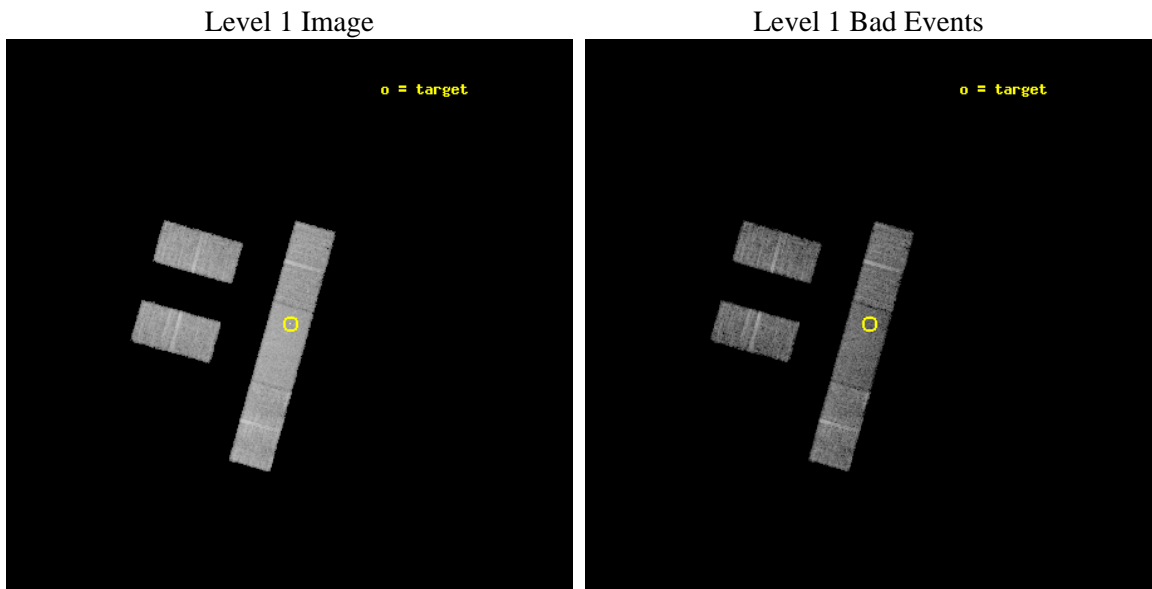
seq_num	701250	Sequence number
obs_id	6832	Observation id
title	Measuring the Size of a Quasar With Microlensing	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	Q2237+0305	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	340.125833	Observer's specified target RA [deg]
dec_targ	3.358333	Observer's specified target Dec [deg]
ra_nom	340.12713759641	Nominal RA [deg]
dec_nom	3.360045021901	Nominal Dec [deg]
roll_nom	105.65430774646	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8127.699943006	Sum of GTIs [s]
livetime	7936.1128423875	Livetime [s]
ontime2	8127.699943006	Sum of GTIs [s]
ontime3	8127.699943006	Sum of GTIs [s]
ontime6	8127.699943006	Sum of GTIs [s]
ontime7	8127.699943006	Sum of GTIs [s]
ontime8	8127.699943006	Sum of GTIs [s]
l2events	38315	Number of level 2 events



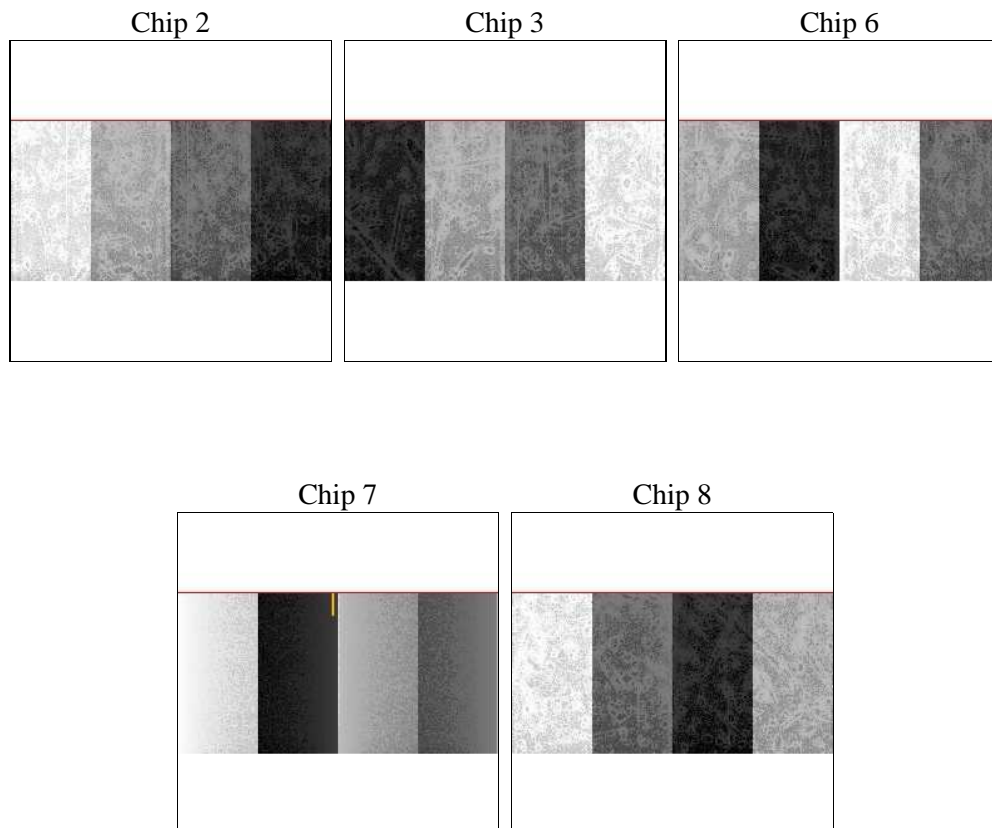
2 OBI

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	8127.699943006	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	8127.699943006	Sum of GTIs [s]
date	2012-03-31T11:02:05	Date and time of file creation	ontime3	8127.699943006	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8127.699943006	Sum of GTIs [s]
			ontime7	8127.699943006	Sum of GTIs [s]
			ontime8	8127.699943006	Sum of GTIs [s]
			l1events	249865	Number of level 1 events

2.1.4 Events

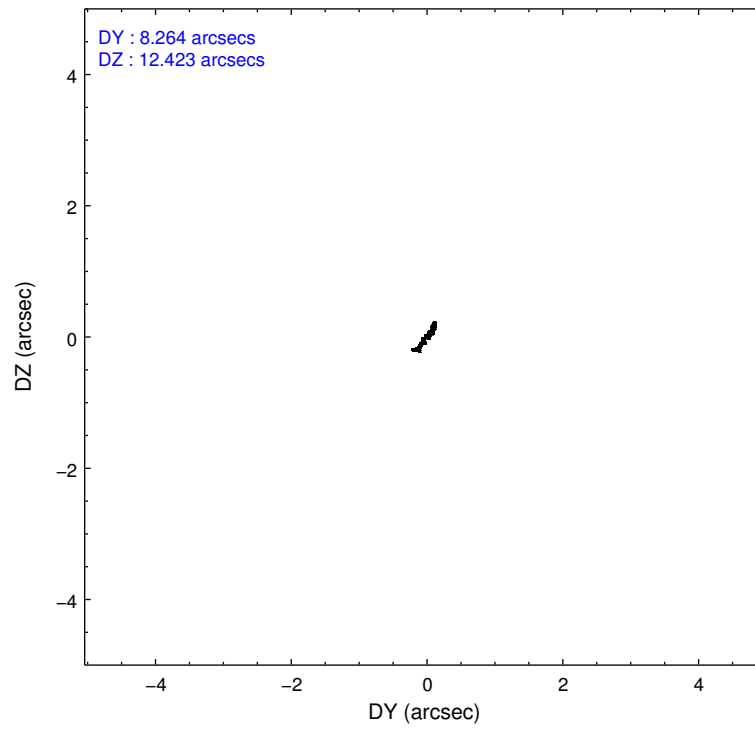
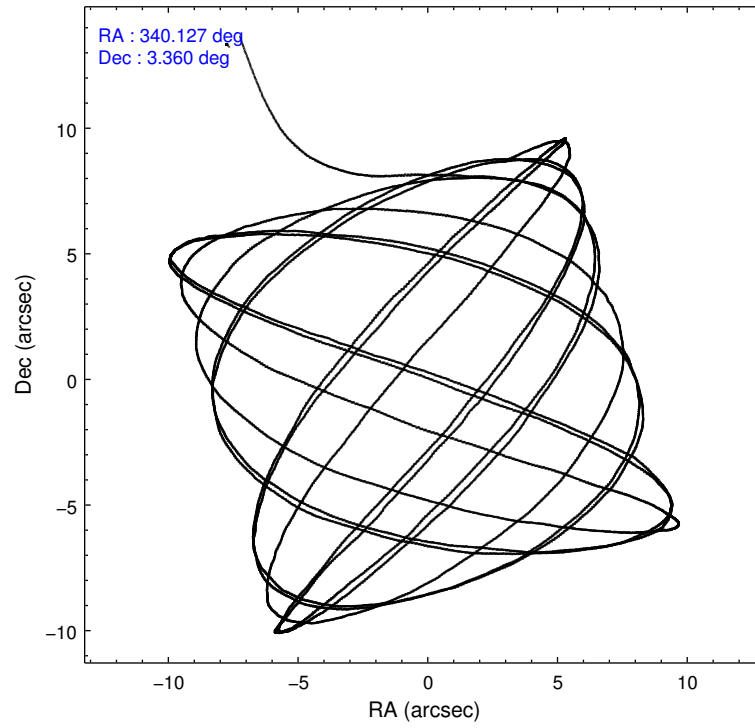
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	44308	43465	45680	57741	58671
rejected events	39695	38822	40916	35395	47801
rejected %	89%	89%	89%	61%	81%

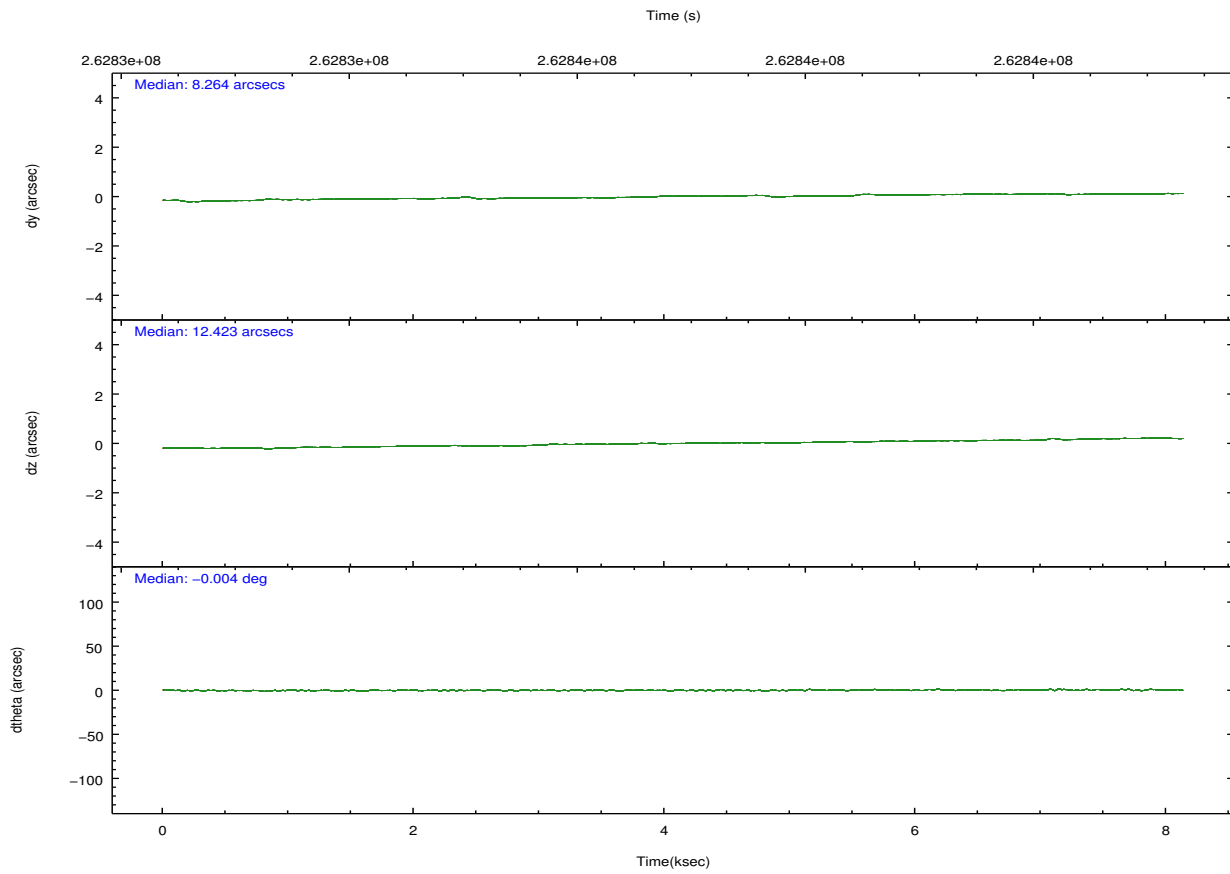
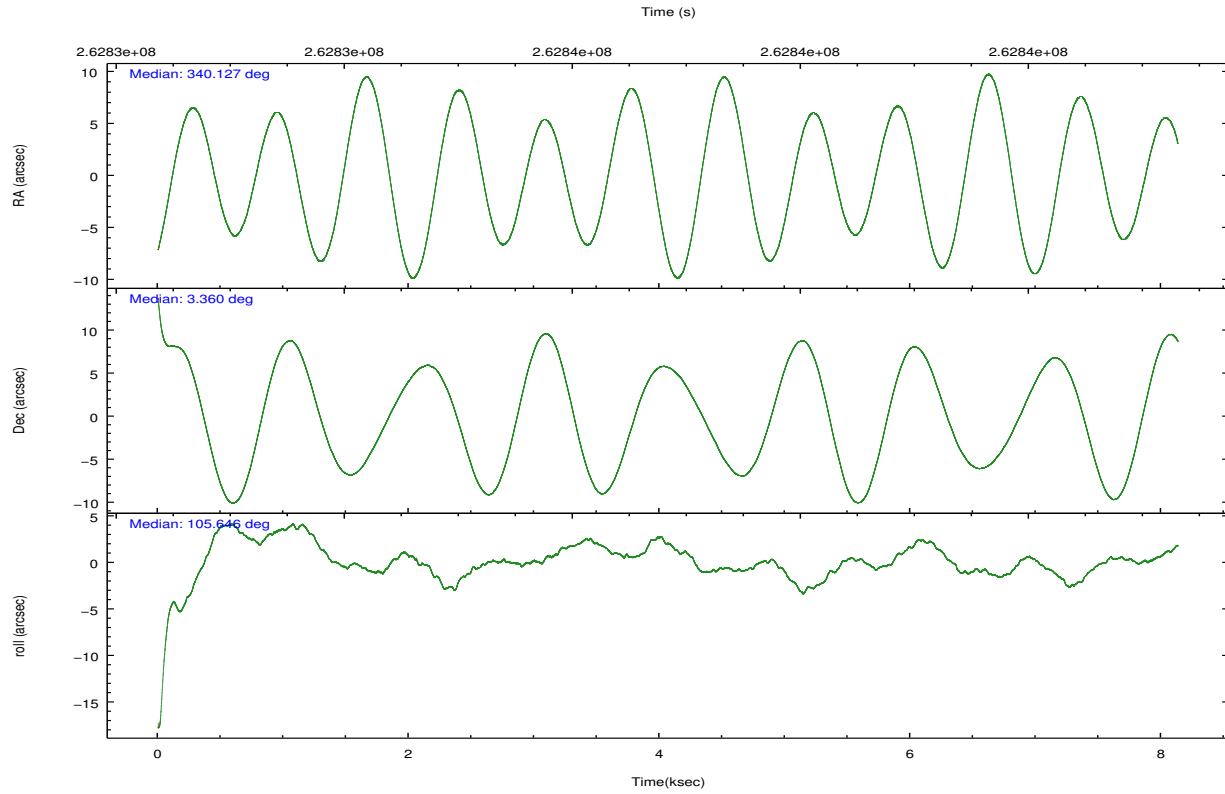
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2165	2148	2067	2389	3431
	4%	4%	4%	4%	5%
grade 1 events	23	20	16	55	24
	0%	0%	0%	0%	0%
grade 2 events	987	997	1033	5143	2708
	2%	2%	2%	8%	4%
grade 3 events	569	563	623	2356	1310
	1%	1%	1%	4%	2%
grade 4 events	611	602	599	2452	1241
	1%	1%	1%	4%	2%
grade 5 events	1556	1883	2072	5395	2662
	3%	4%	4%	9%	4%
grade 6 events	815	875	1026	12677	3321
	1%	2%	2%	21%	5%
grade 7 events	37582	36377	38244	27274	43974
	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	340.146873	340.1271375964079	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	3.341211	3.360045021901019	Subarray start row	257	257
[deg] Pointing Roll	105.496558	105.6543077464554	Subarray row count	512	512
[s] Window start time (MET)	262224065.184000	262224065.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	262742465.184000	262742465.184000	[s] Primary exposure time	0.000000	1.7
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	262832908.184000	262831634.89799			
Observation start date	2006-05-01T01:07:23	2006-05-01T00:47:14			
[s] Observation end time (MET)	262840908.184000	262842329.74849			
Observation end date	2006-05-01T03:20:43	2006-05-01T03:45:29			
Read mode	TIMED	TIMED			

2.3 Aspect



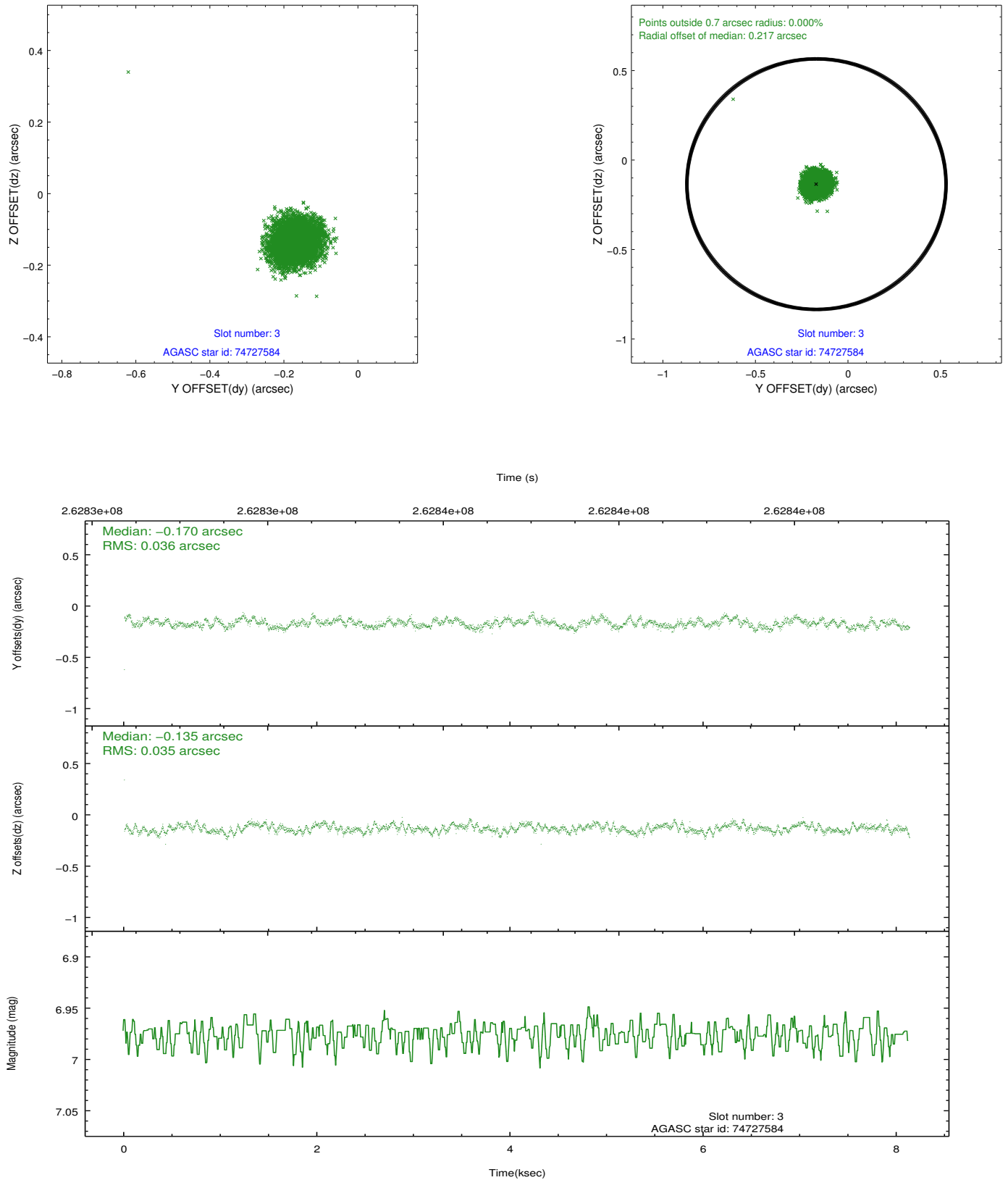


Slot Statistics

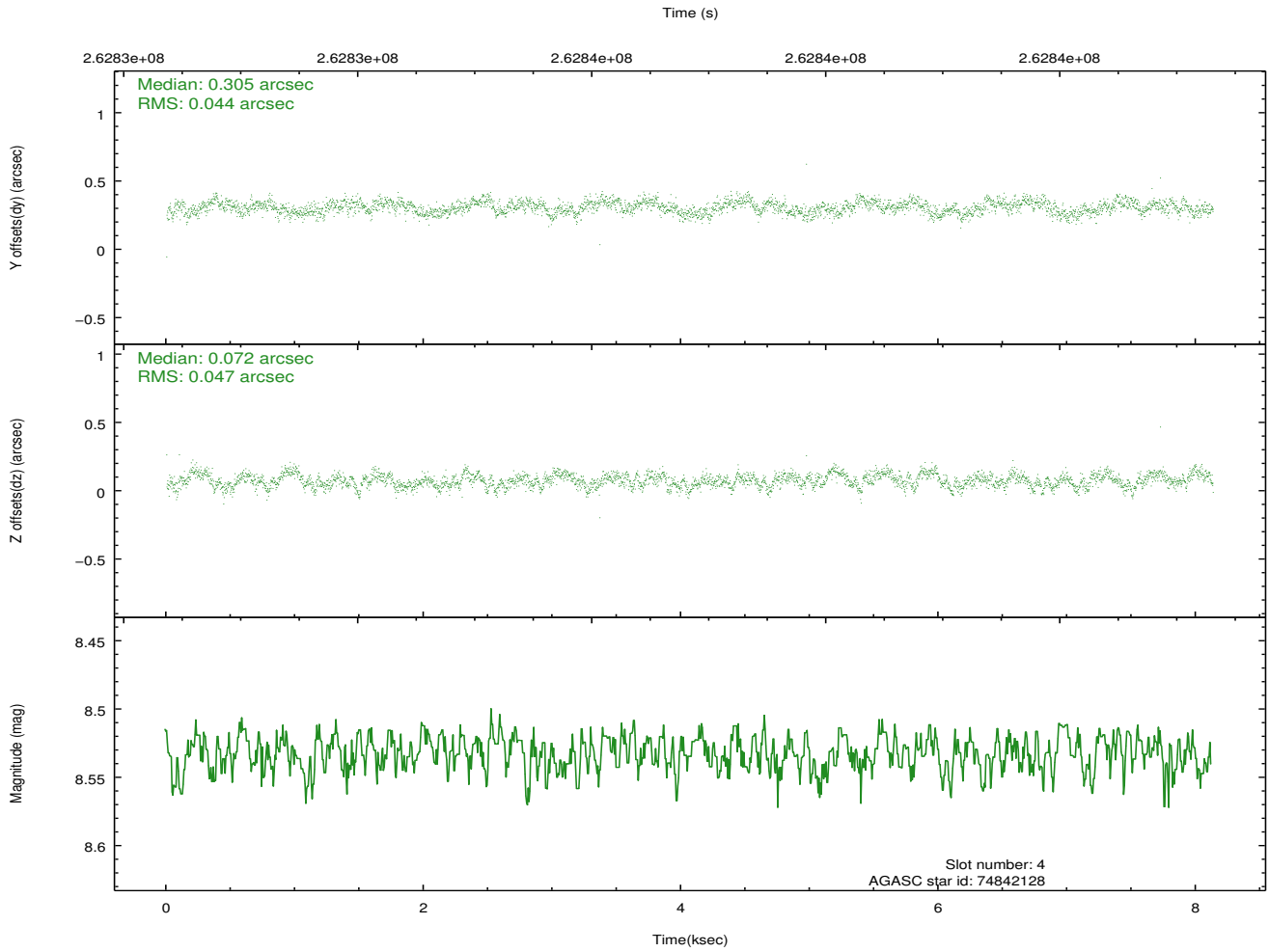
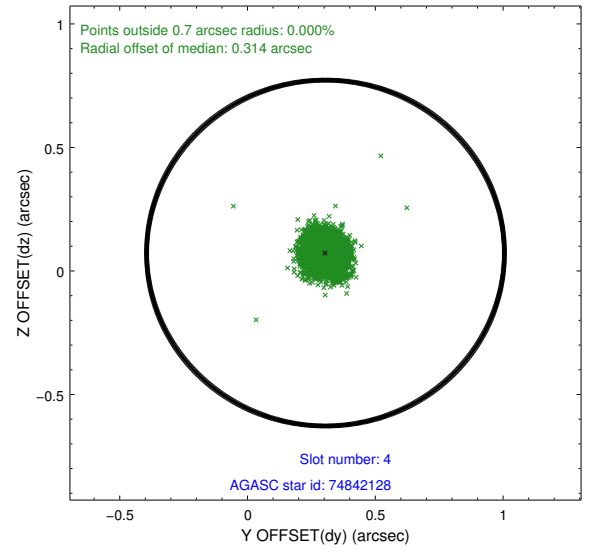
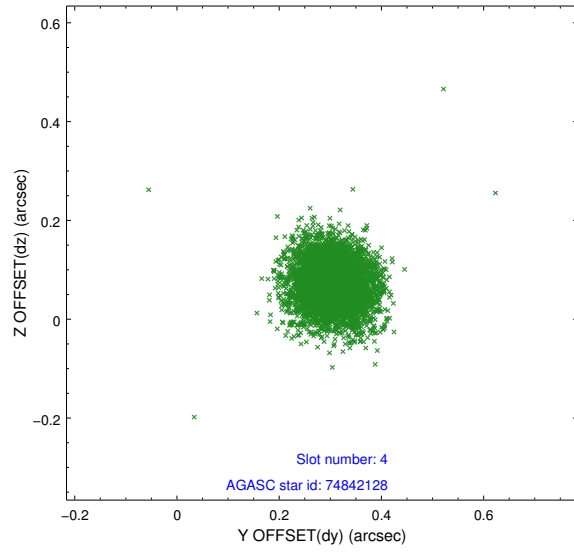
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1984	-0.009	-0.040	0.007	0.013	0.000000	0.000000	-761.06	-1733.76
1	FID	ACIS-S-4	7.20	1984	0.110	0.015	0.007	0.013	0.000000	0.000000	2152.04	174.05
2	FID	ACIS-S-5	7.23	1983	-0.132	0.033	0.009	0.015	0.000000	0.000000	-1813.13	168.54
3	GUIDE	74727584	6.98	3968	-0.170	-0.135	0.053	0.082	339.633744	3.463732	917.84	1659.03
4	GUIDE	74842128	8.53	3967	0.305	0.072	0.068	0.108	340.118134	3.132788	-694.95	300.71
5	GUIDE	74855640	8.85	3963	-0.105	0.031	0.074	0.119	340.341123	3.746937	1221.10	-1062.31
6	GUIDE	74714192	8.69	3966	-0.008	-0.153	0.070	0.115	339.623837	3.342441	507.09	1809.86
7	GUIDE	74854992	8.27	3966	-0.023	0.183	0.066	0.108	340.342808	3.603730	722.91	-929.87

2.4 Star Slots

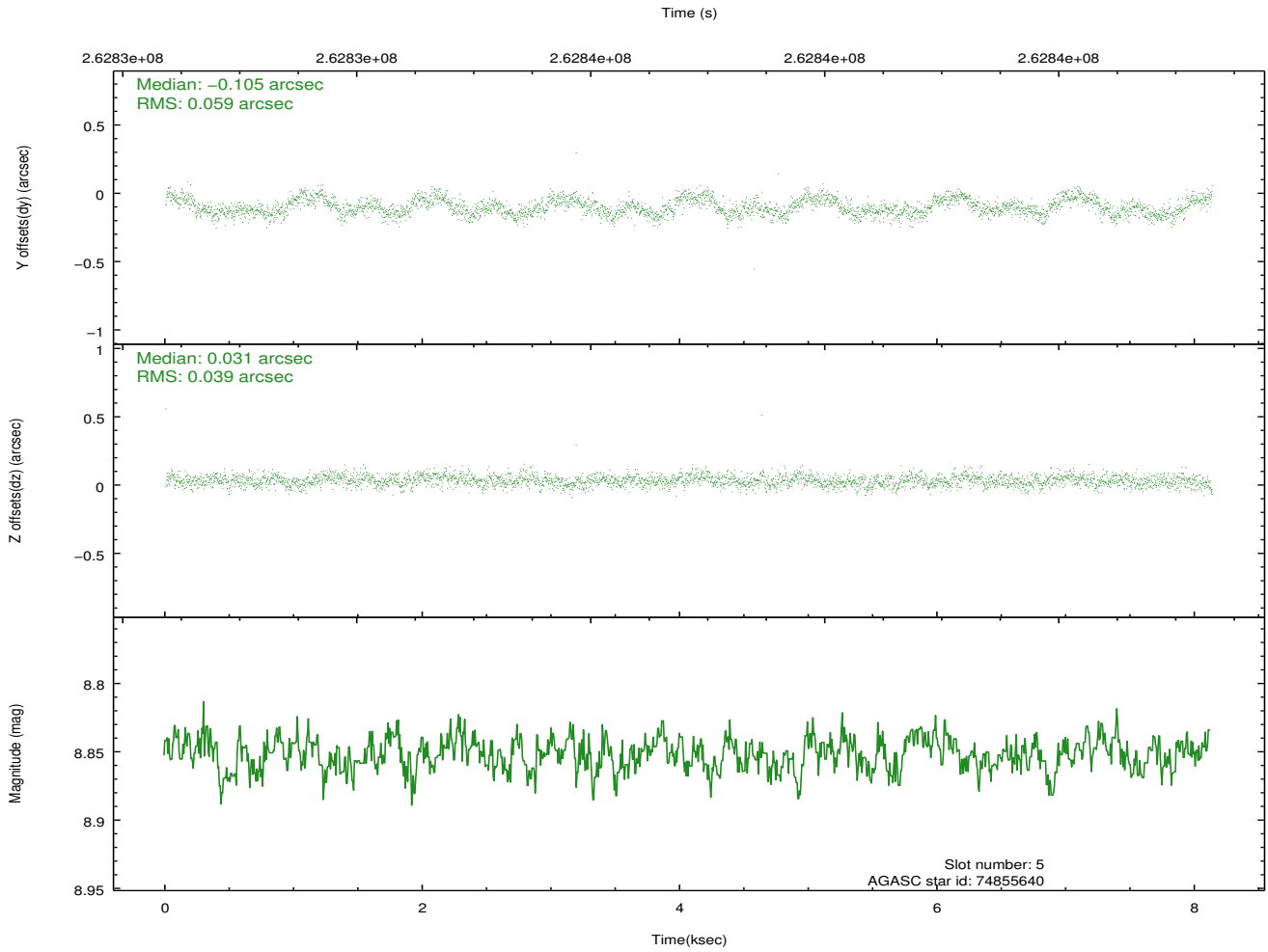
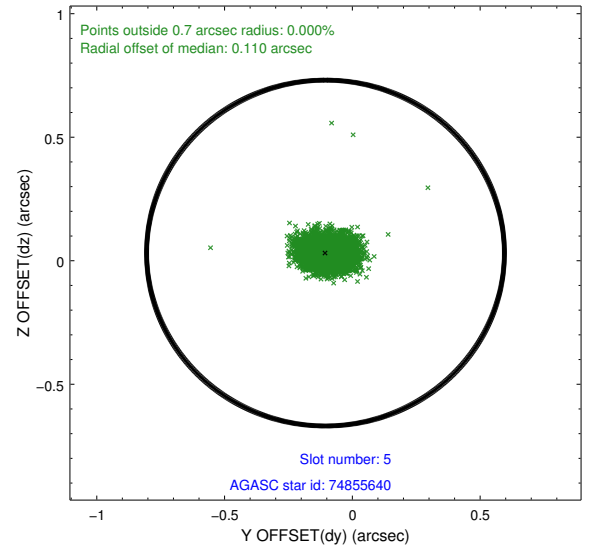
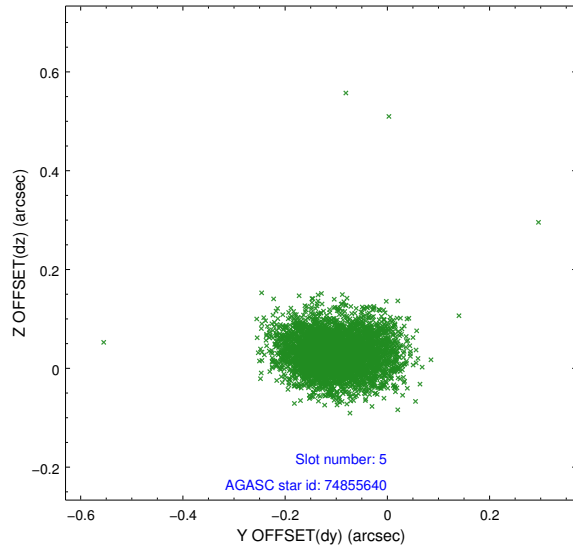
2.4.1 Slot 3



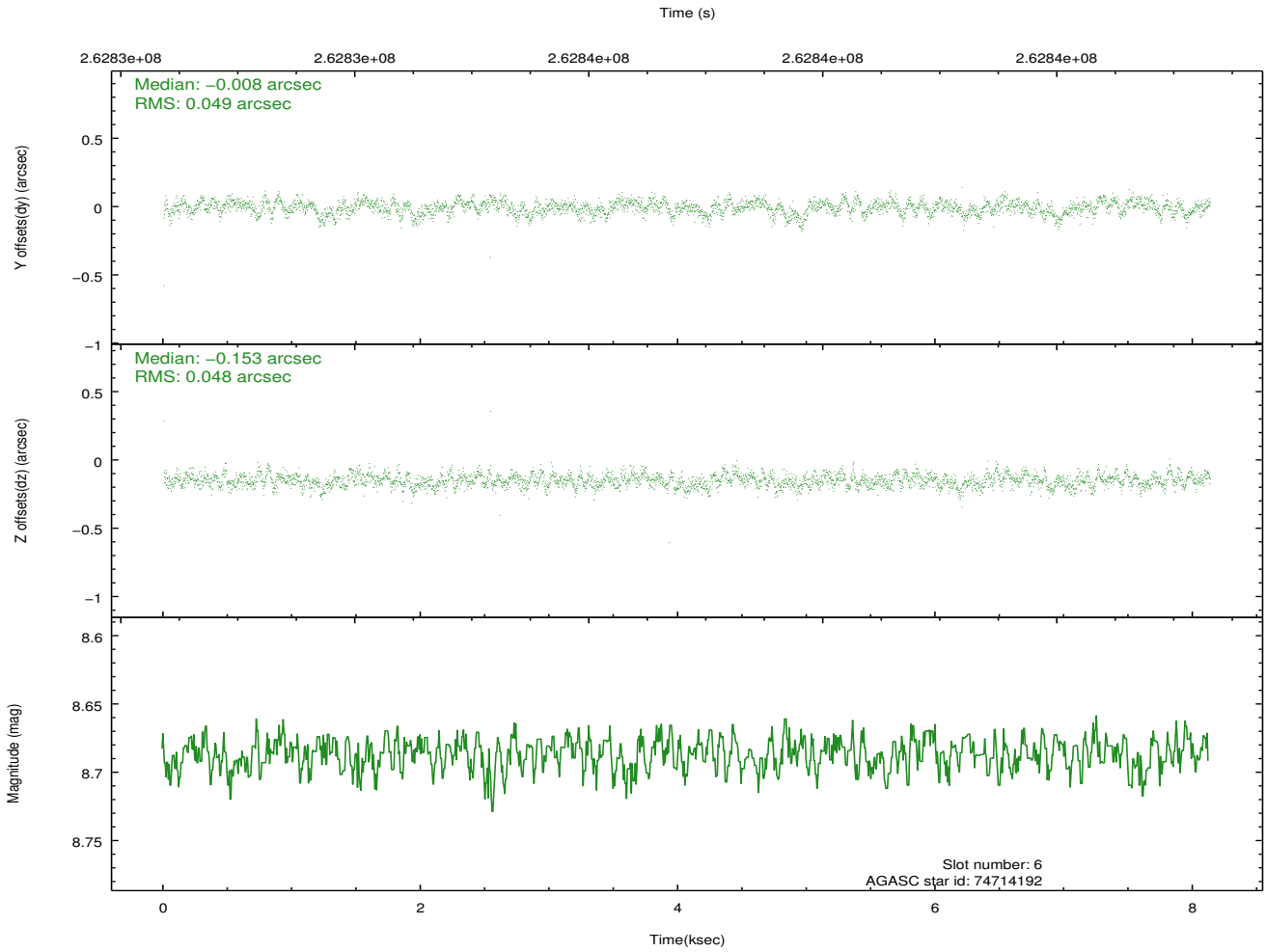
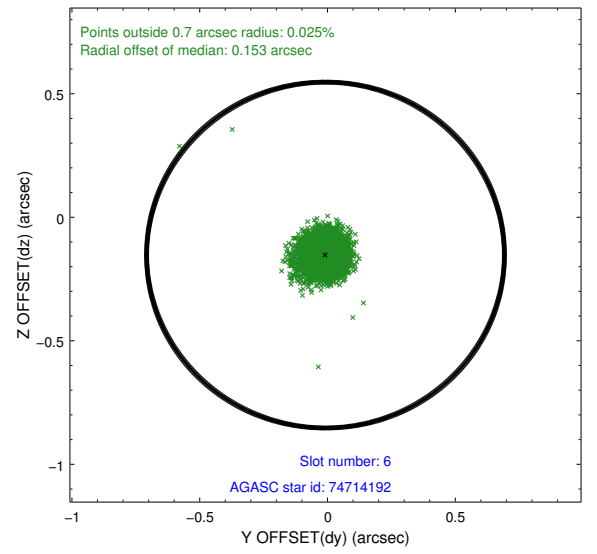
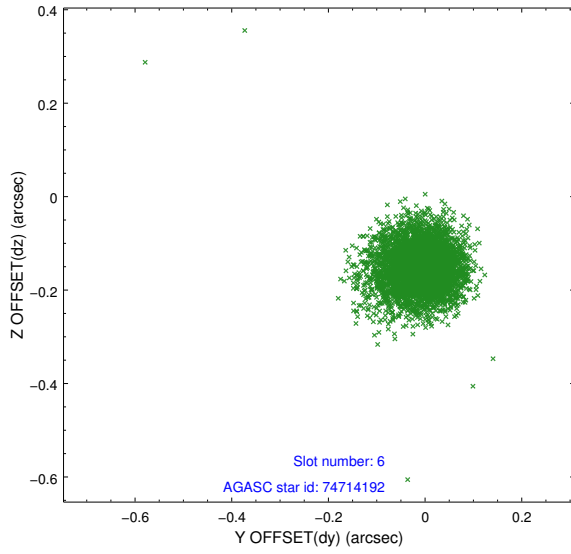
2.4.2 Slot 4



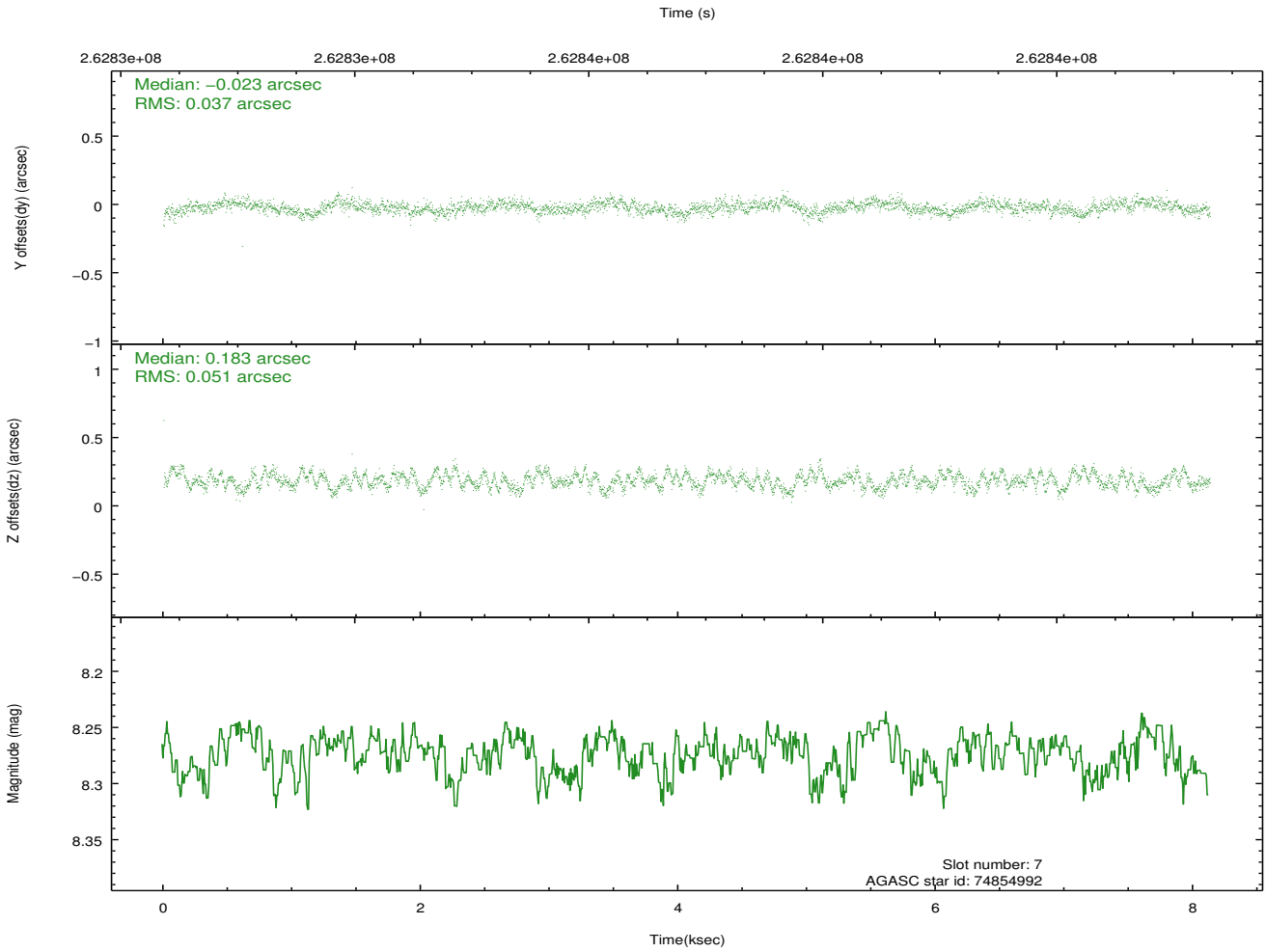
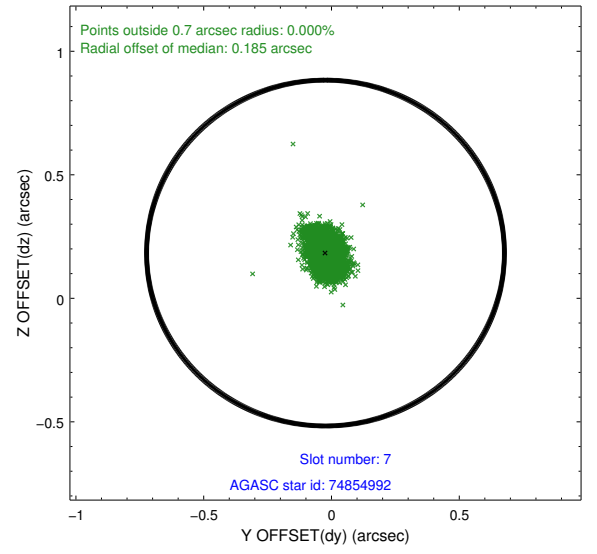
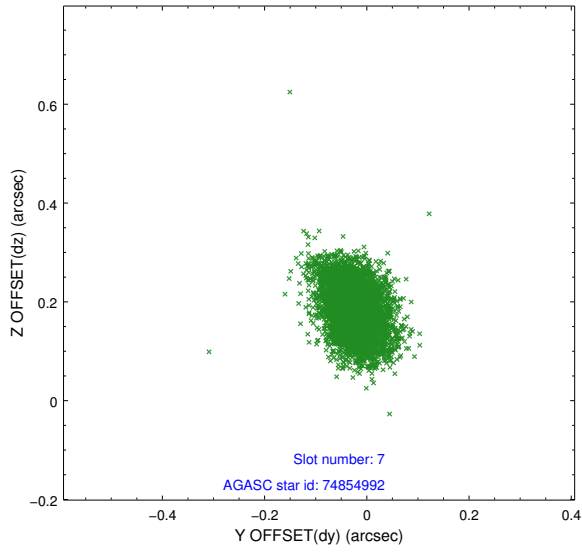
2.4.3 Slot 5



2.4.4 Slot 6

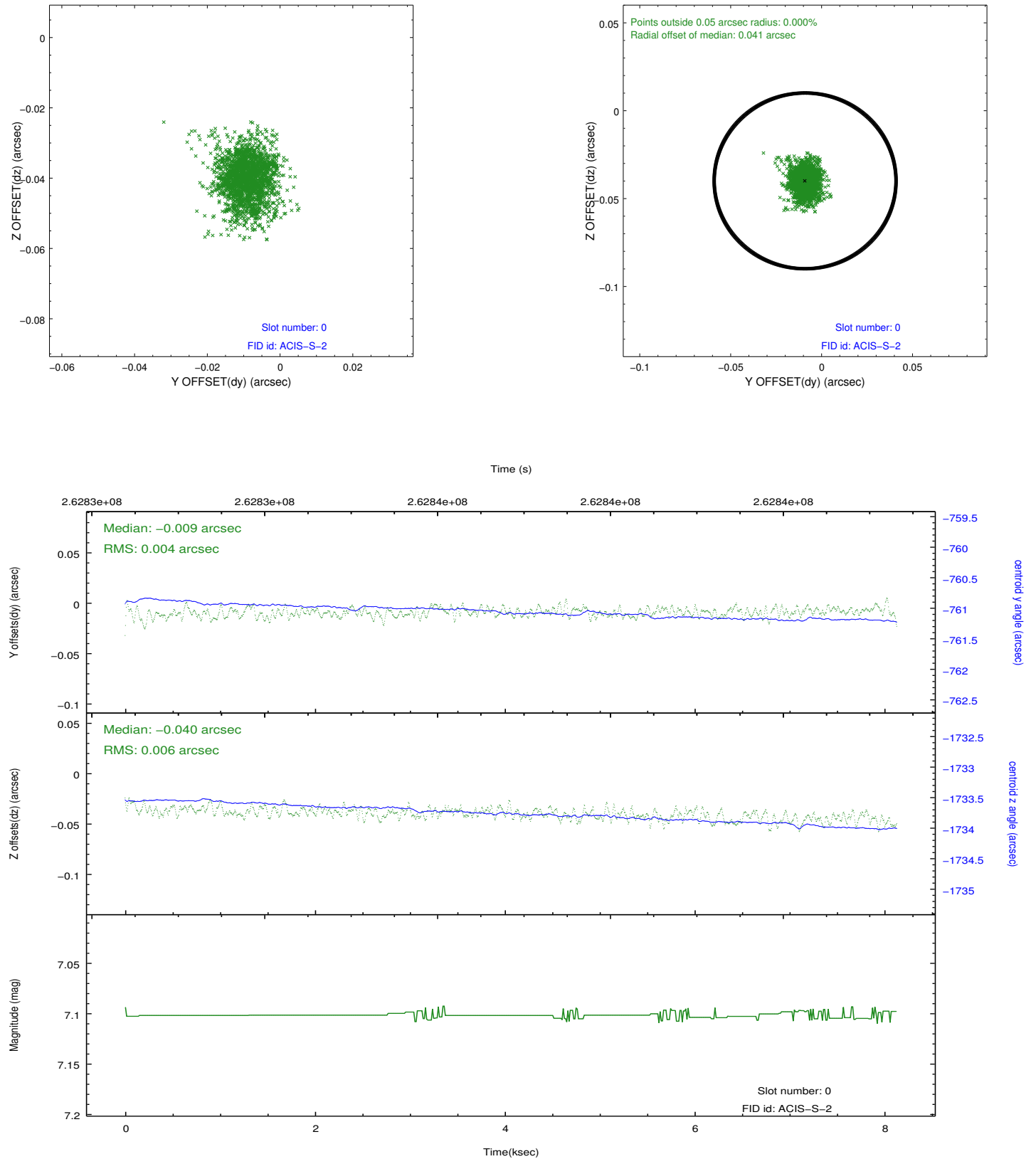


2.4.5 Slot 7

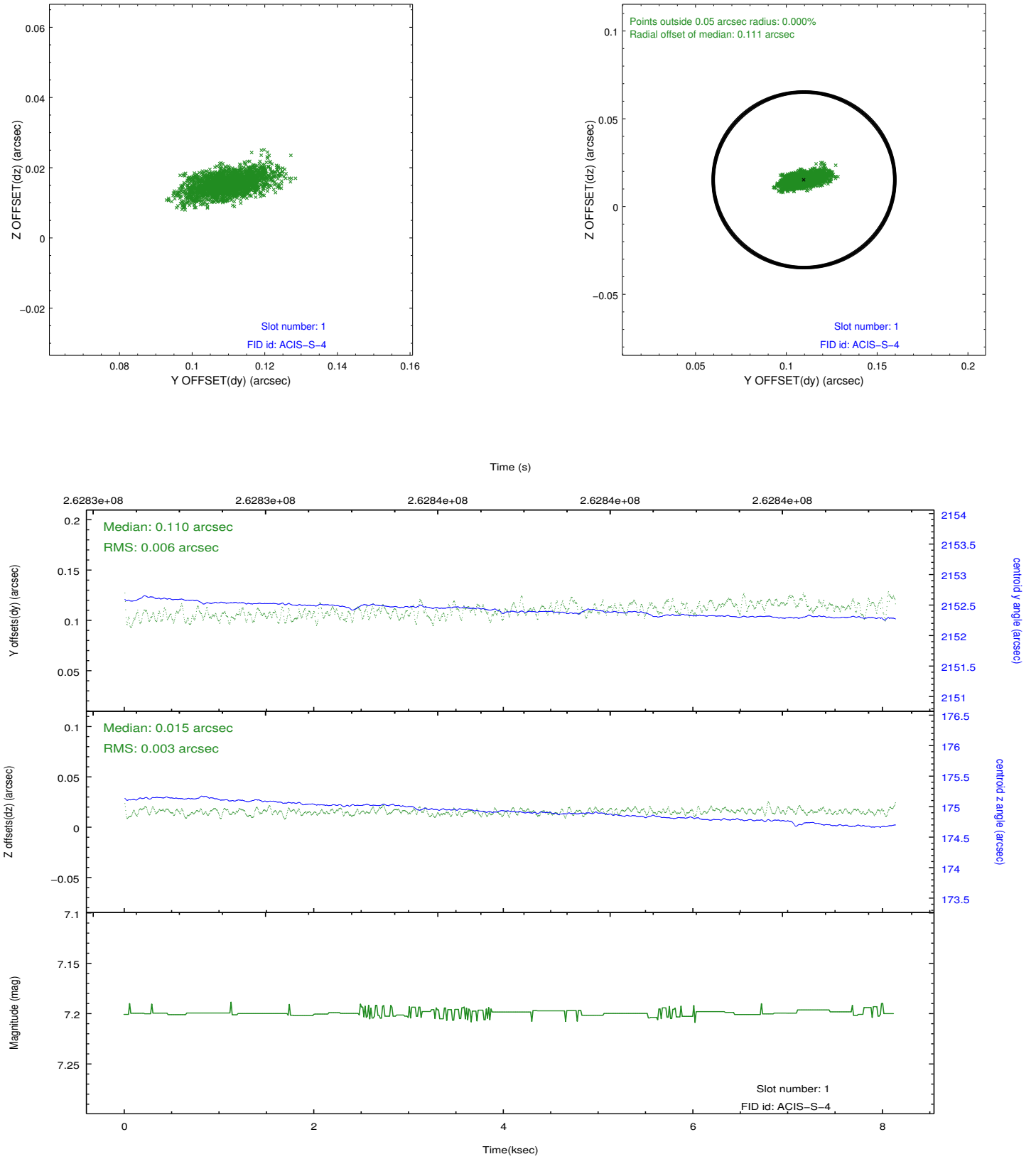


2.5 FID Slots

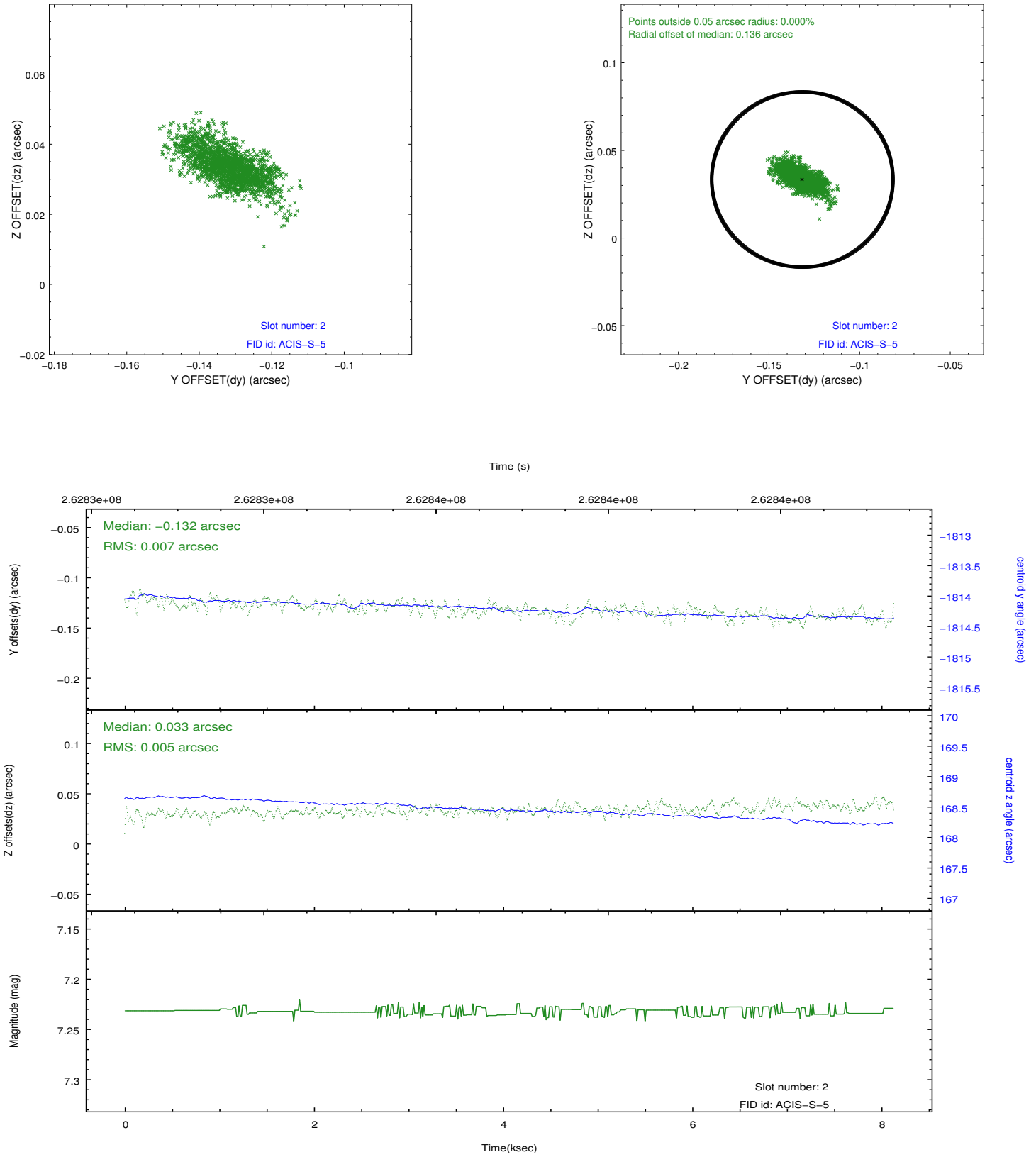
2.5.1 Slot 0



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)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.12769994

A.2 Comments

Window constraint not satisfied.