

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6831 - L2 Version 2
Chandra X-Ray Center

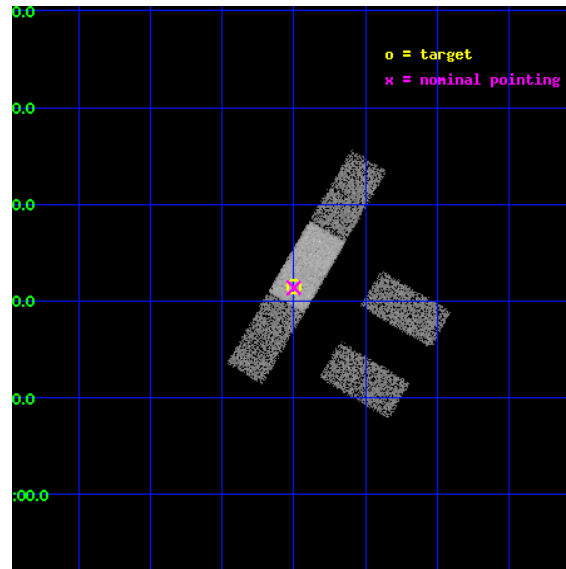
L2 Processing Date : Mar 22 2012

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1 Front

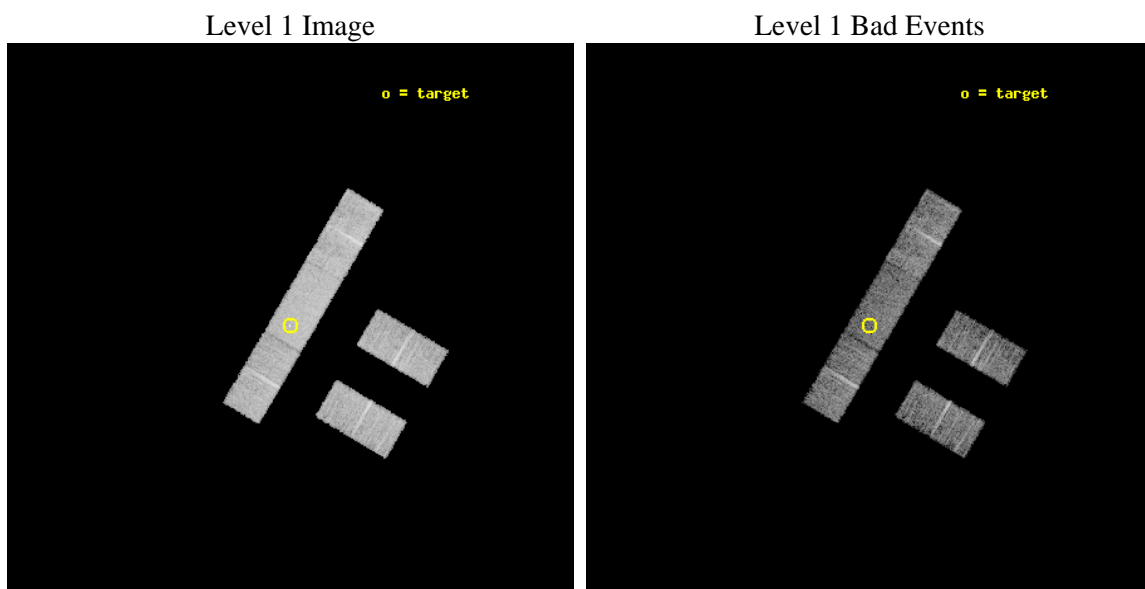
seq_num	701249	Sequence number
obs_id	6831	Observation id
title	Measuring the Size of a Quasar With Microlensing	Proposal title
observer	Dr. Christopher Kochanek	Principal investigator
object	Q2237+0305	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	340.125833	Observer's specified target RA [deg]
dec_targ	3.358333	Observer's specified target Dec [deg]
ra_nom	340.12504702614	Nominal RA [deg]
dec_nom	3.3563344042181	Nominal Dec [deg]
roll_nom	300.57762029675	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7439.199947834	Sum of GTIs [s]
liveltime	7263.842250217	Livetime [s]
ontime2	7439.199947834	Sum of GTIs [s]
ontime3	7439.199947834	Sum of GTIs [s]
ontime6	7439.199947834	Sum of GTIs [s]
ontime7	7439.199947834	Sum of GTIs [s]
ontime8	7439.199947834	Sum of GTIs [s]
l2events	31375	Number of level 2 events



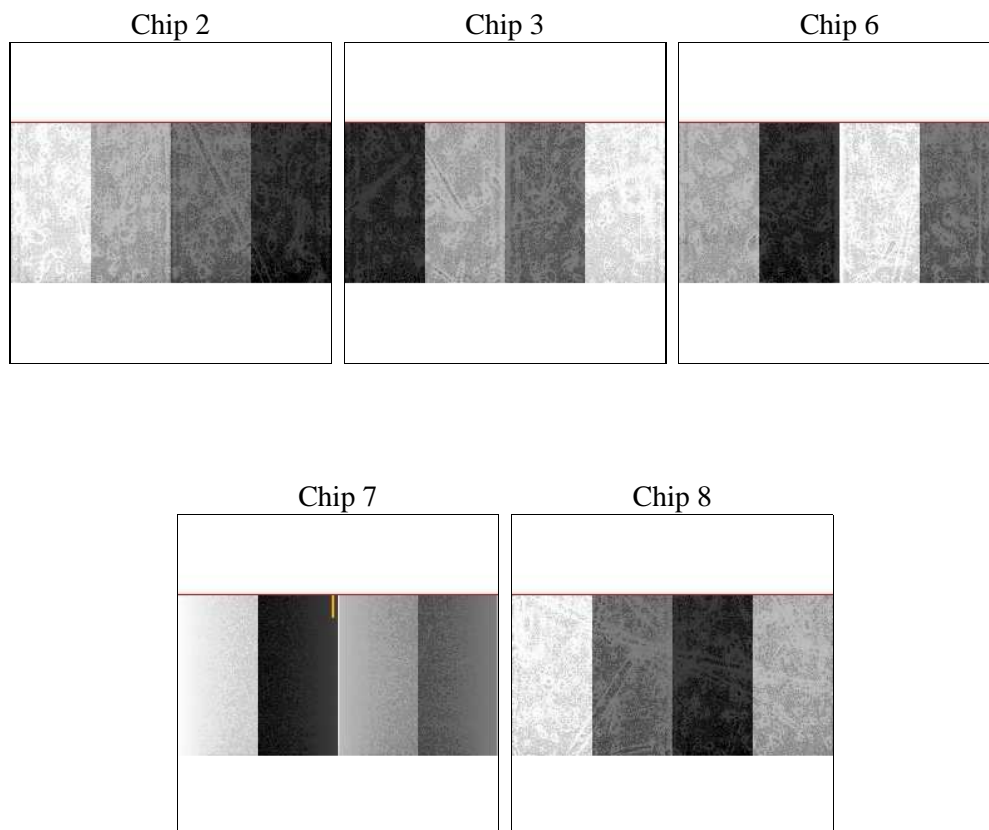
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7260.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	7439.199947834	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	7439.199947834	Sum of GTIs [s]
date	2012-03-22T02:25:11	Date and time of file creation	ontime3	7439.199947834	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7439.199947834	Sum of GTIs [s]
			ontime7	7439.199947834	Sum of GTIs [s]
			ontime8	7439.199947834	Sum of GTIs [s]
			l1events	205980	Number of level 1 events

2.1.4 Events

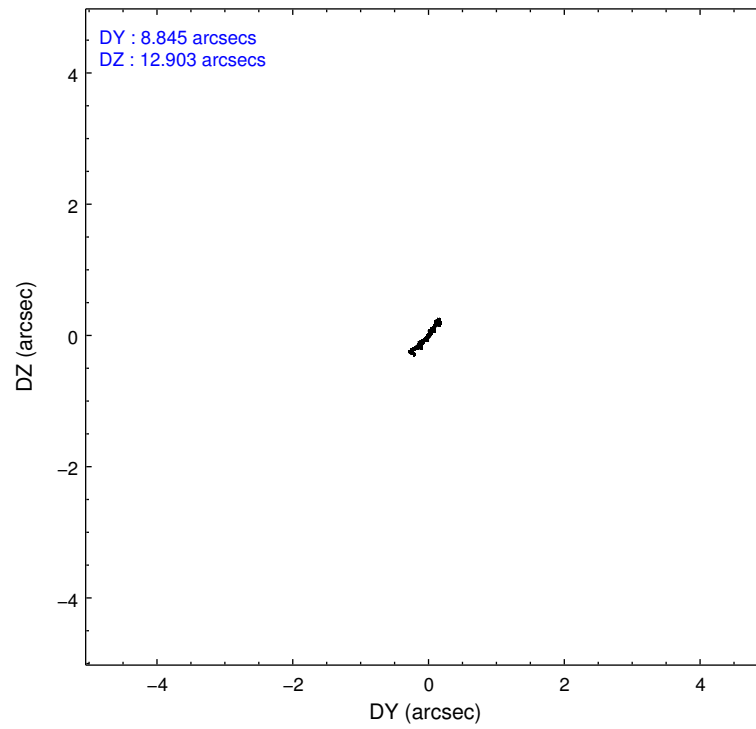
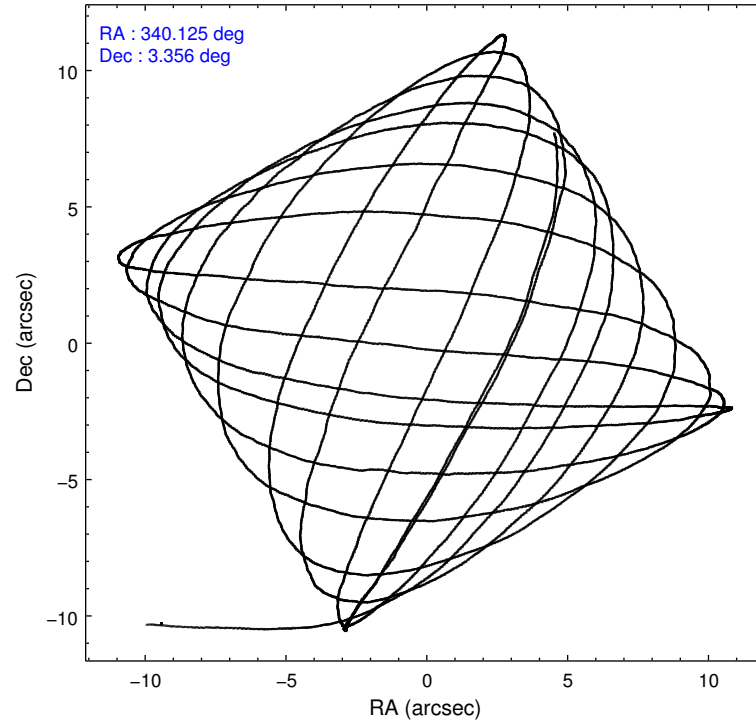
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	36406	35428	38379	48292	47475
rejected events	32513	31555	34482	30022	39054
rejected %	89%	89%	89%	62%	82%

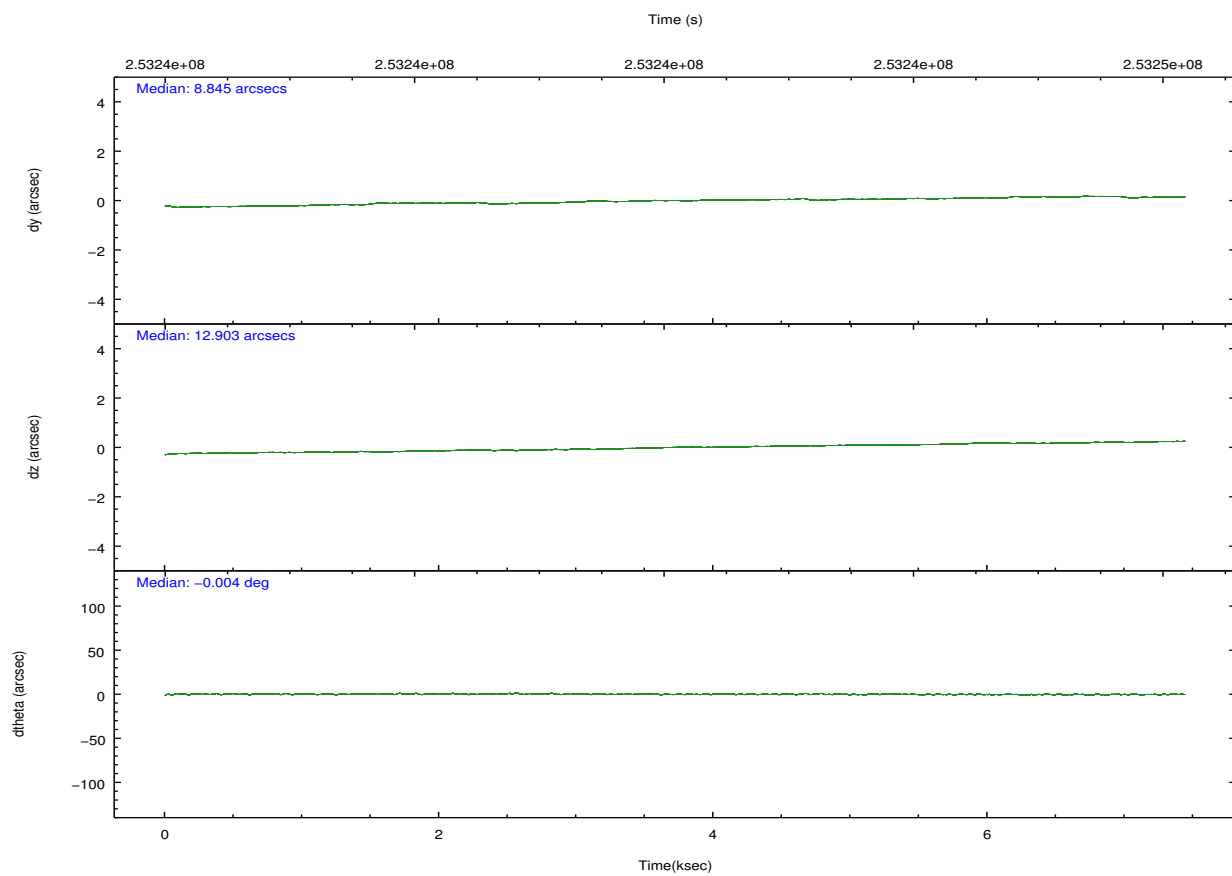
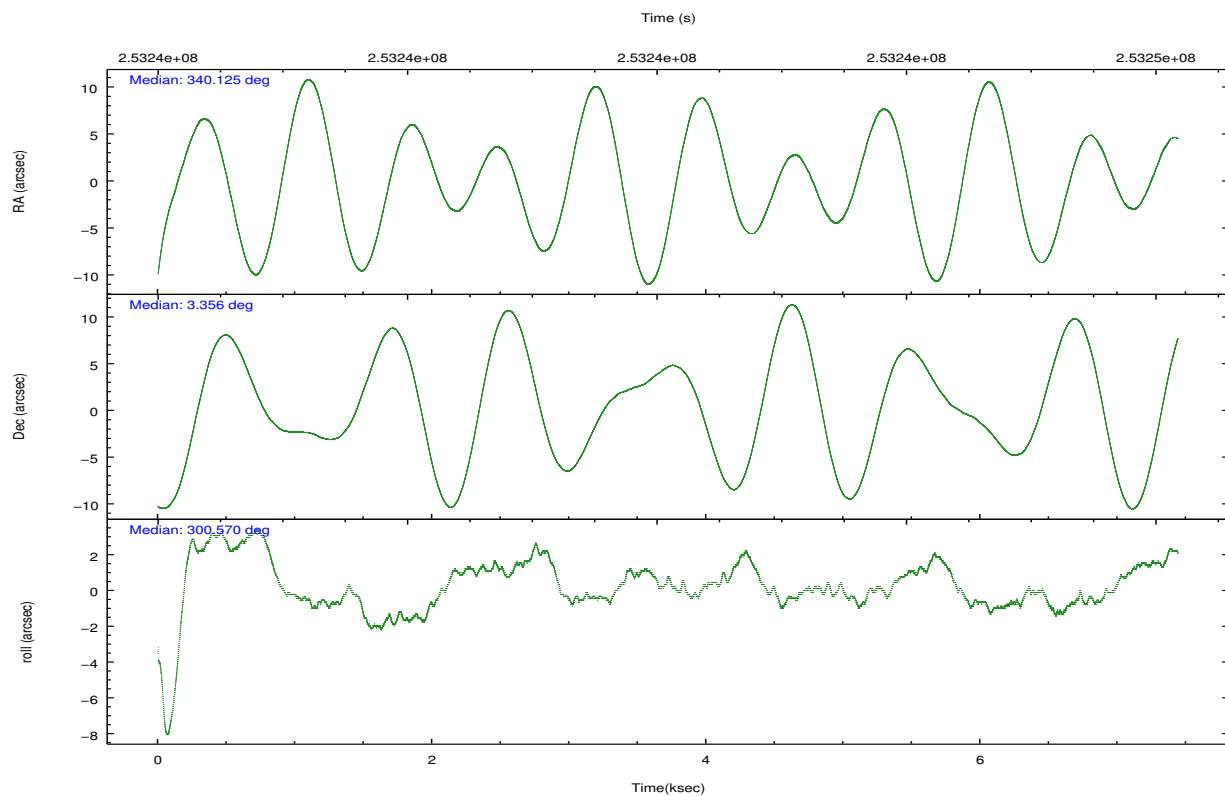
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1780	1823	1650	1972	2945
	4%	5%	4%	4%	6%
grade 1 events	17	10	13	48	31
	0%	0%	0%	0%	0%
grade 2 events	843	805	914	4153	1952
	2%	2%	2%	8%	4%
grade 3 events	524	507	523	2054	1115
	1%	1%	1%	4%	2%
grade 4 events	503	487	492	2022	987
	1%	1%	1%	4%	2%
grade 5 events	1346	1658	1721	4673	2127
	3%	4%	4%	9%	4%
grade 6 events	687	714	844	10352	2404
	1%	2%	2%	21%	5%
grade 7 events	30706	29424	32222	23018	35914
	84%	83%	83%	47%	75%

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	340.101082	340.1250470261394	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	3.369467	3.35633440421808	Subarray start row	257	257
[deg] Pointing Roll	300.422403	300.5776202967465	Subarray row count	512	512
[s] Window start time (MET)	250128064.184000	250128064.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	254188865.184000	254188865.184000	[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)	253238555.184000	253237261.35193			
Observation start date	2006-01-10T00:01:30	2006-01-09T23:41:01			
[s] Observation end time (MET)	253245815.184000	253246277.76485			
Observation end date	2006-01-10T02:02:30	2006-01-10T02:11:17			
Read mode	TIMED	TIMED			

2.3 Aspect



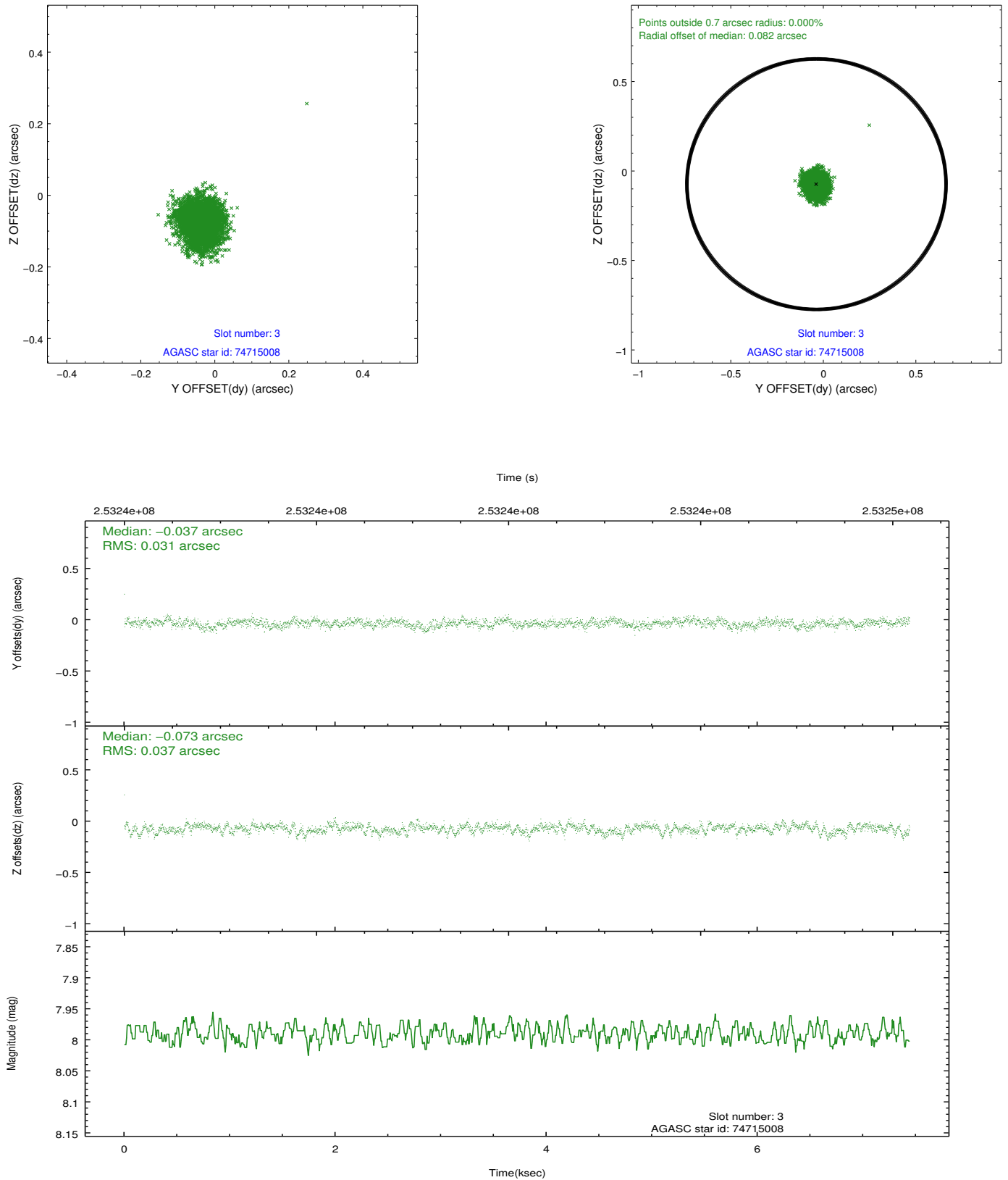


Slot Statistics

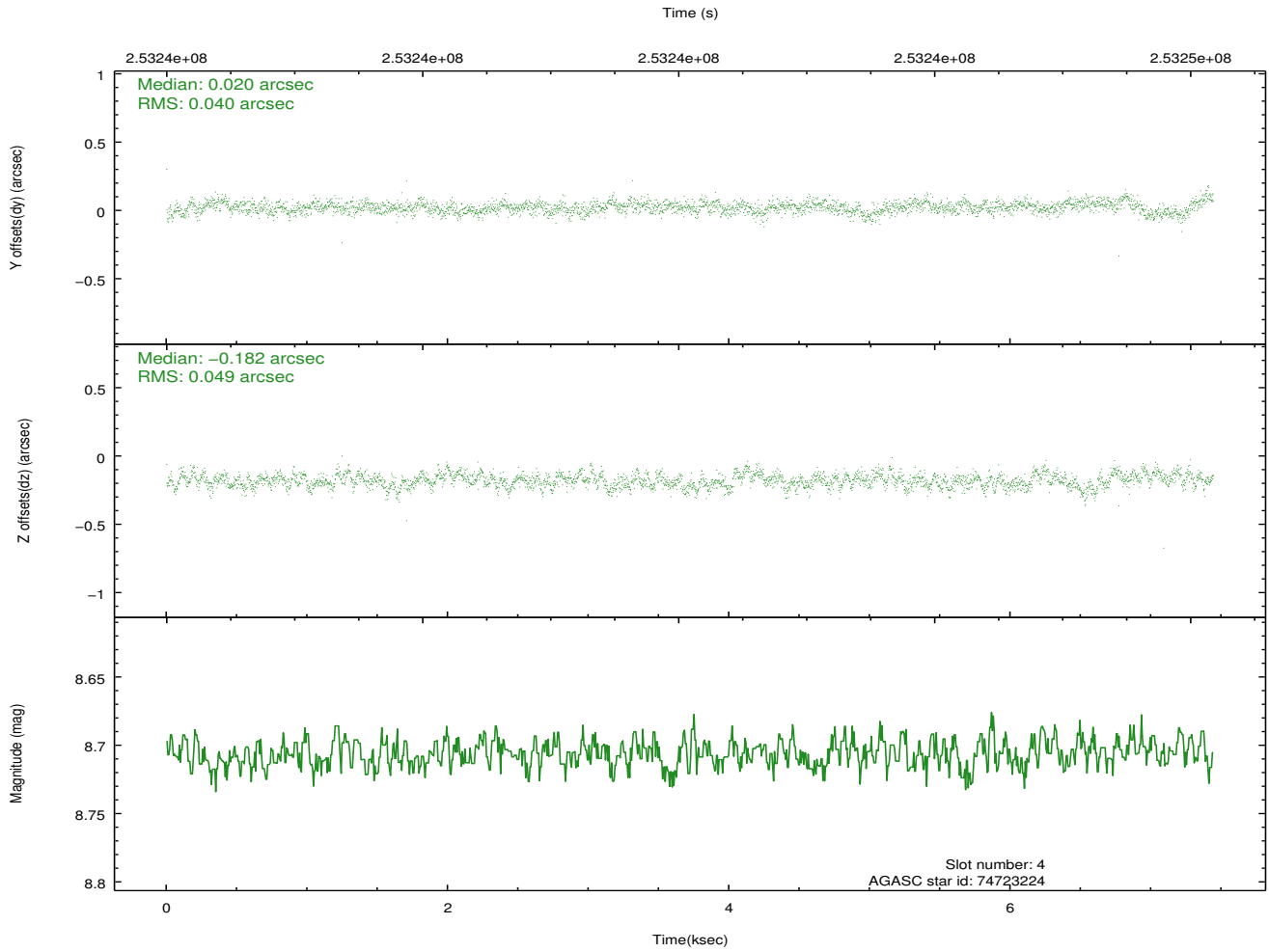
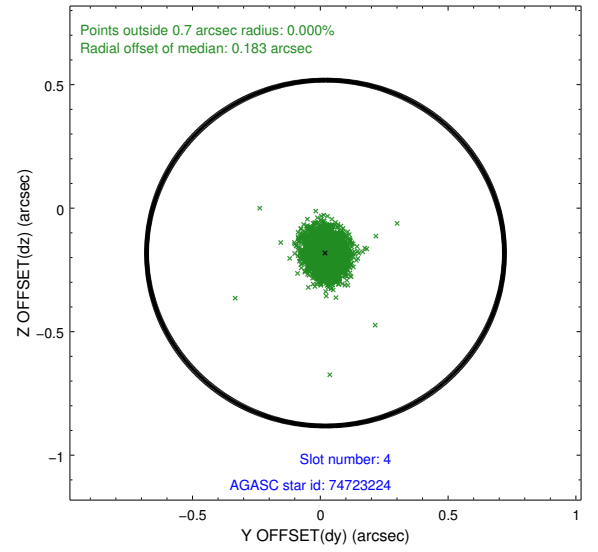
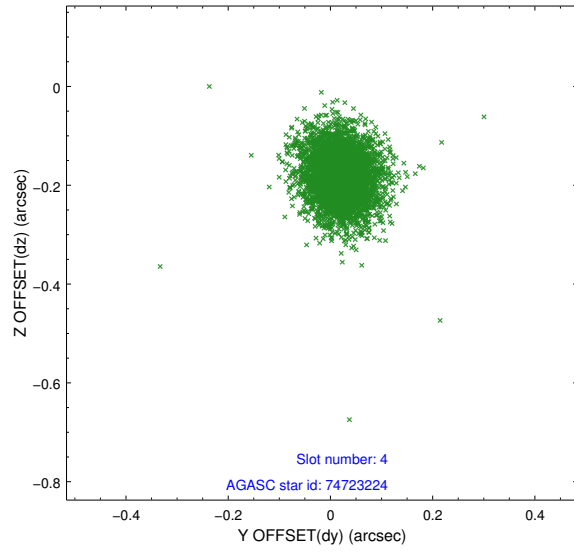
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1815	0.051	-0.031	0.011	0.018	0.000000	0.000000	934.41	-1729.90
1	FID	ACIS-S-4	7.19	1815	0.089	0.001	0.011	0.017	0.000000	0.000000	2152.33	173.47
2	FID	ACIS-S-5	7.23	1815	-0.166	0.042	0.009	0.014	0.000000	0.000000	-1813.65	168.07
3	GUIDE	74715008	7.99	3631	-0.037	-0.073	0.051	0.081	339.956848	3.242441	131.80	-678.25
4	GUIDE	74723224	8.71	3626	0.020	-0.182	0.066	0.110	339.594650	3.574222	-1557.29	-1195.79
5	GUIDE	74842128	8.53	3627	0.037	-0.055	0.058	0.092	340.118134	3.132788	765.41	-378.67
6	GUIDE	74855640	8.85	3628	0.118	0.213	0.064	0.106	340.341123	3.746937	-735.14	1432.15
7	GUIDE	74855160	9.26	3629	-0.138	0.101	0.099	0.166	340.321337	4.258359	-2359.64	2303.06

2.4 Star Slots

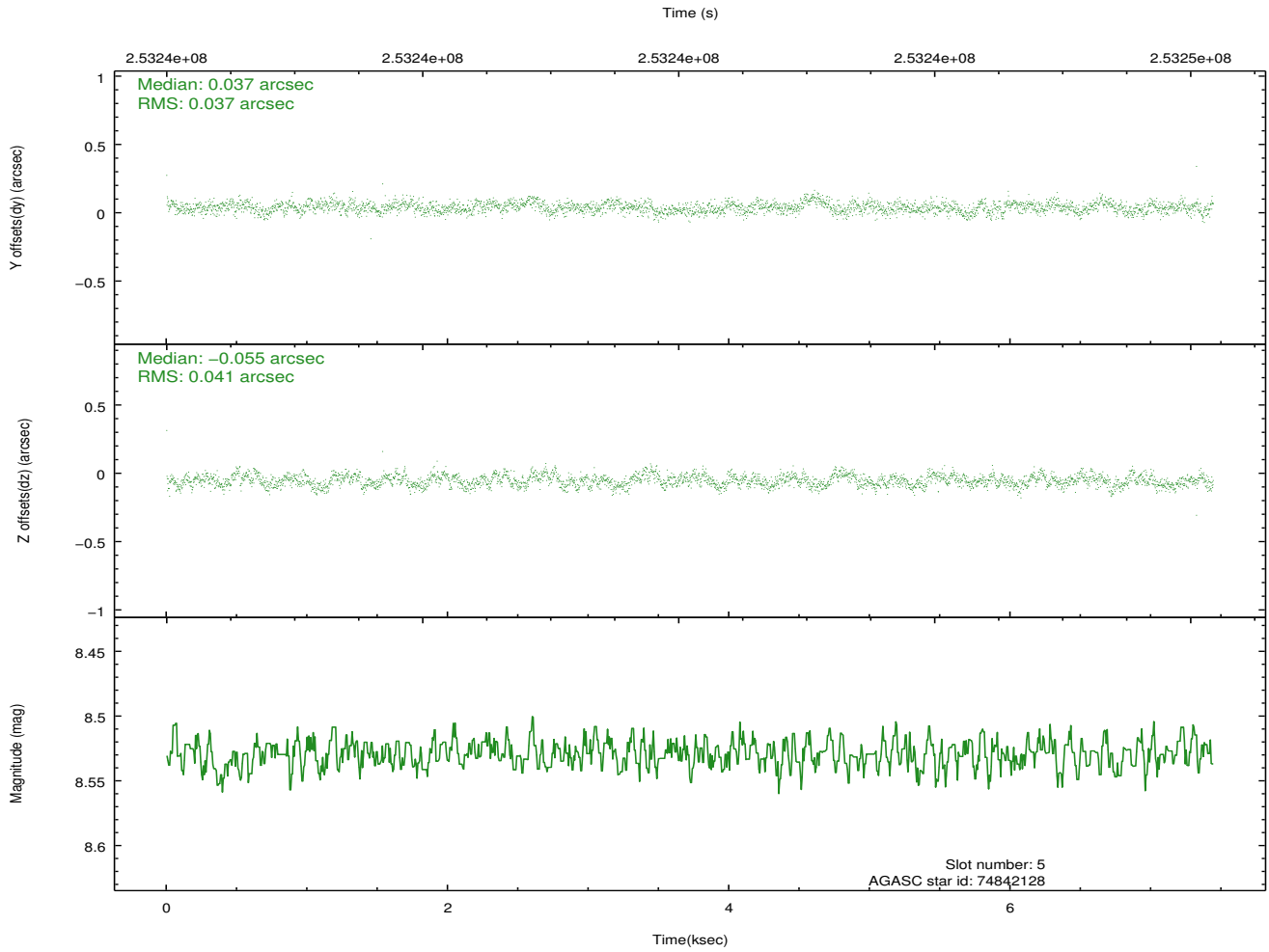
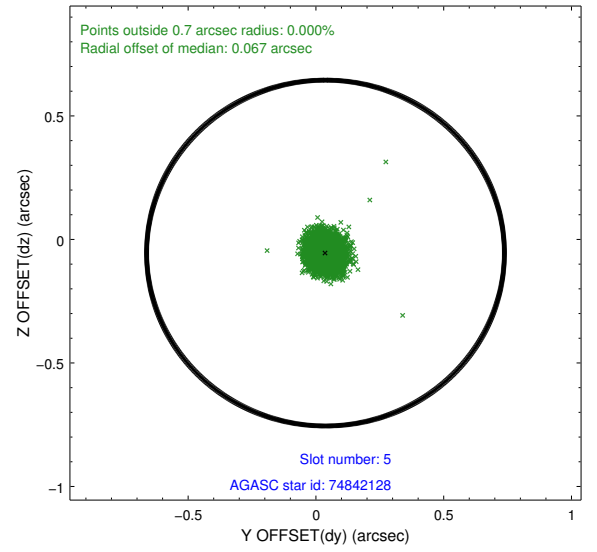
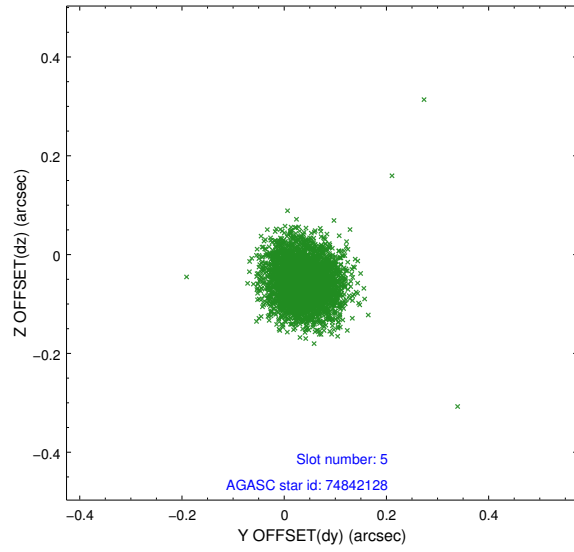
2.4.1 Slot 3



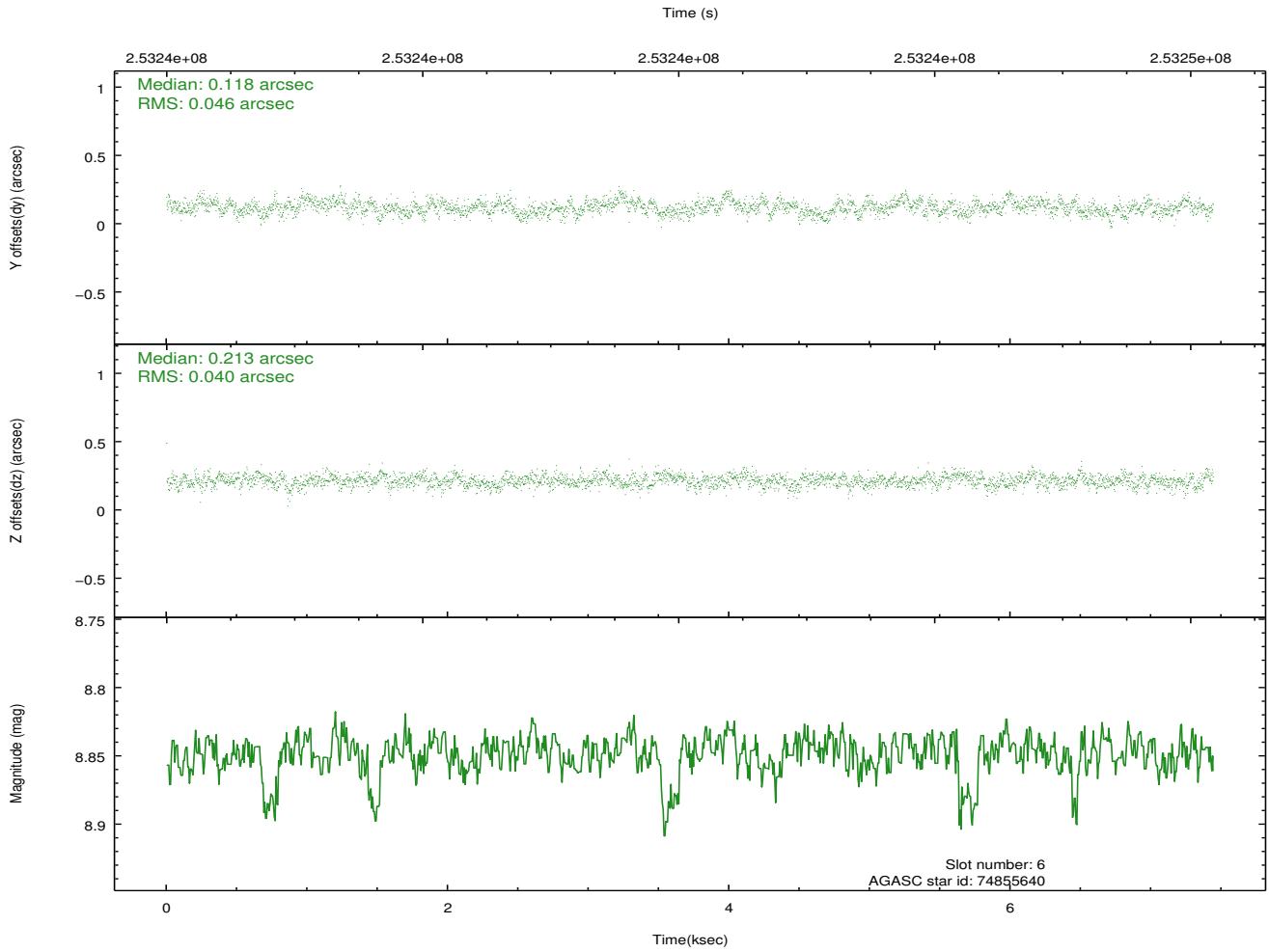
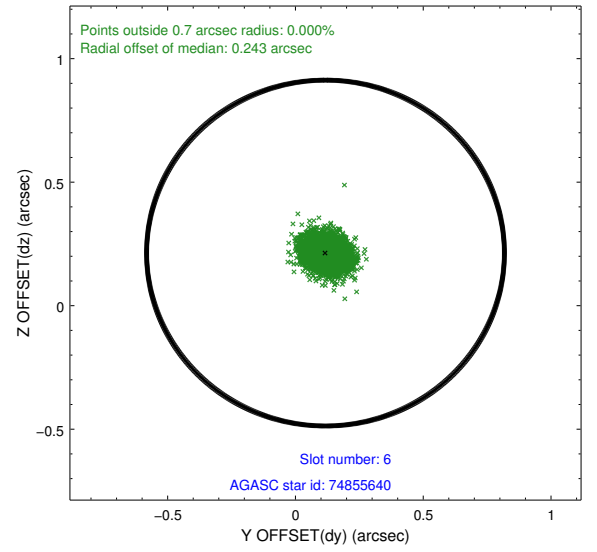
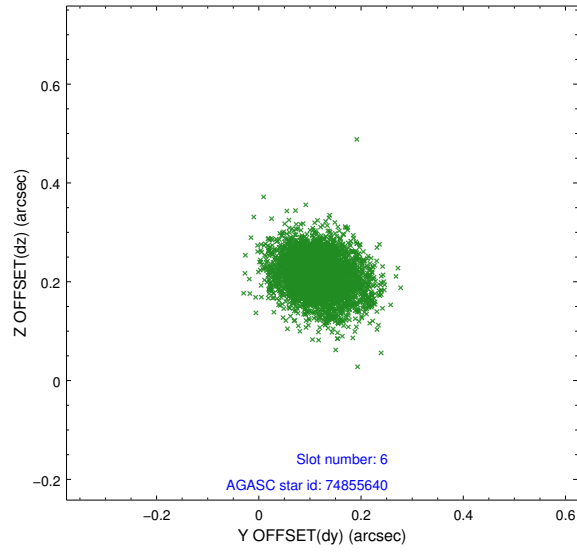
2.4.2 Slot 4



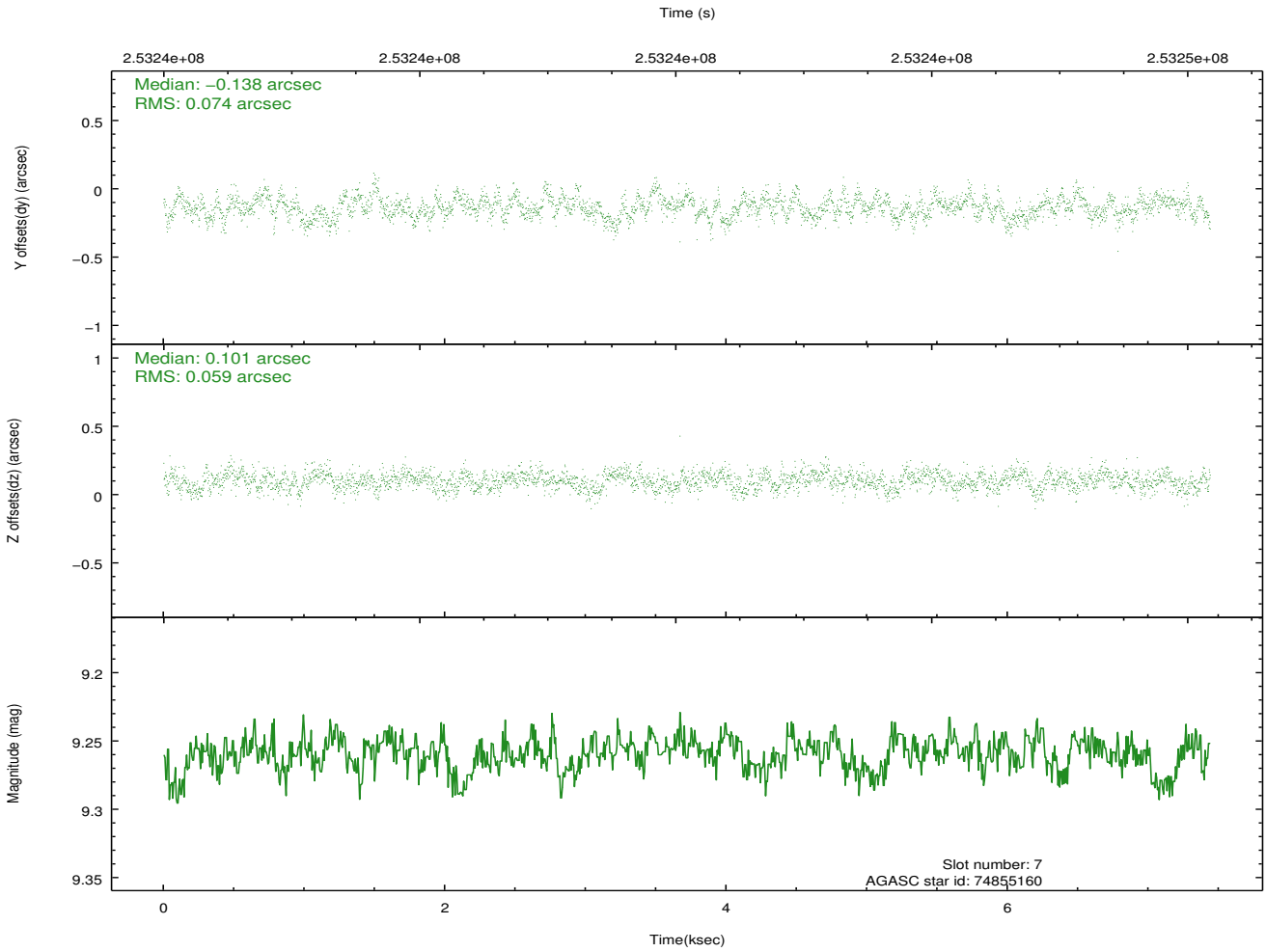
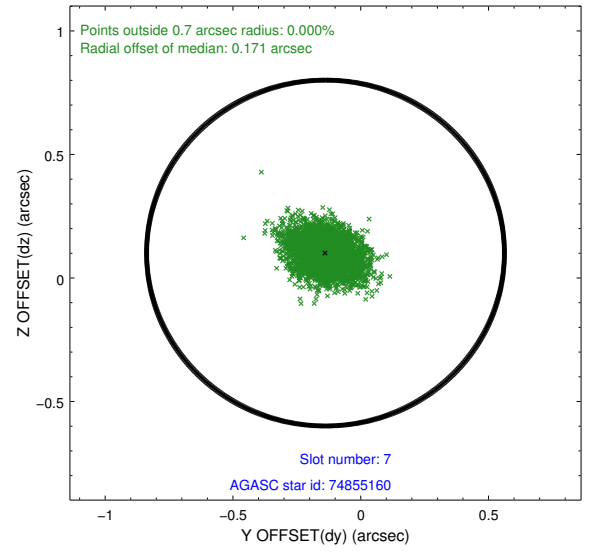
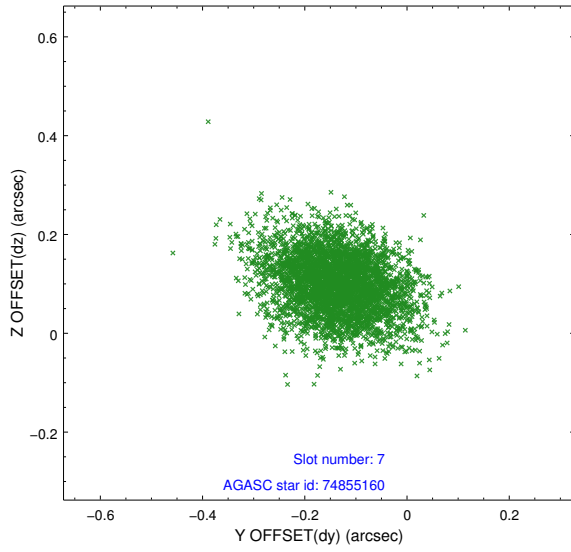
2.4.3 Slot 5



2.4.4 Slot 6

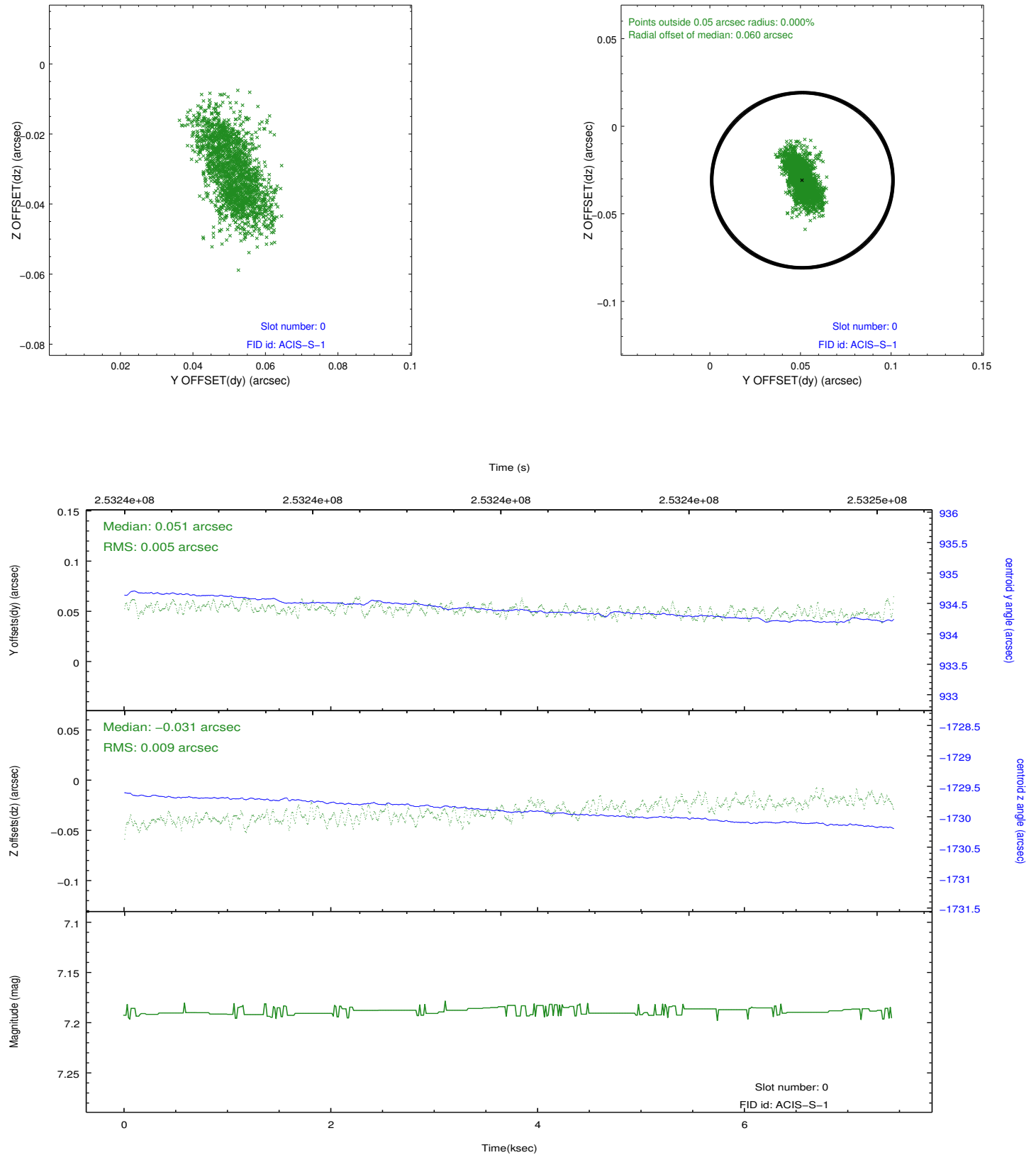


2.4.5 Slot 7

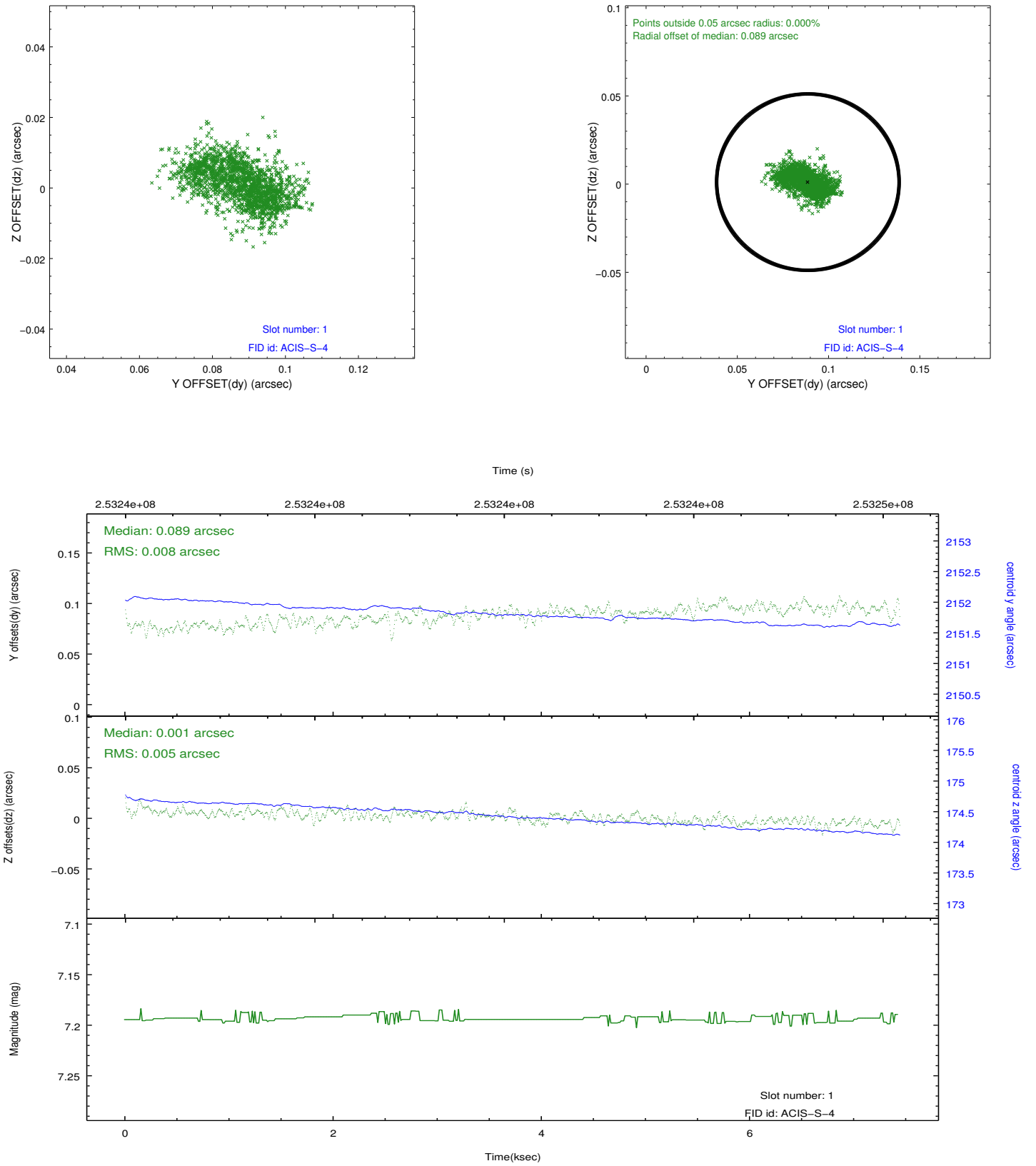


2.5 FID Slots

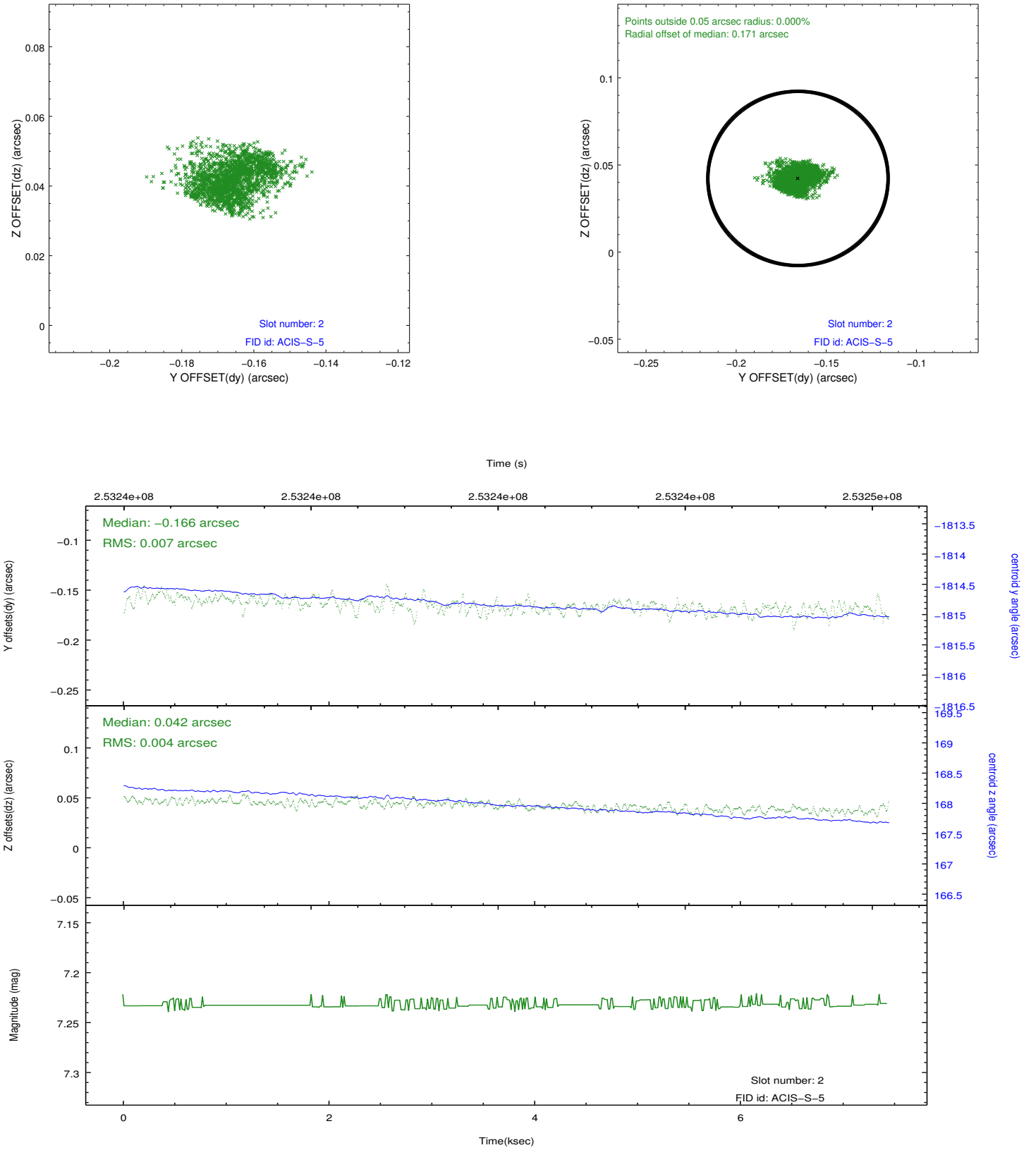
2.5.1 Slot 0



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)	2012.03.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.43919994

A.2 Comments

Window constraint satisfied.