

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6912 - L2 Version 2
Chandra X-Ray Center

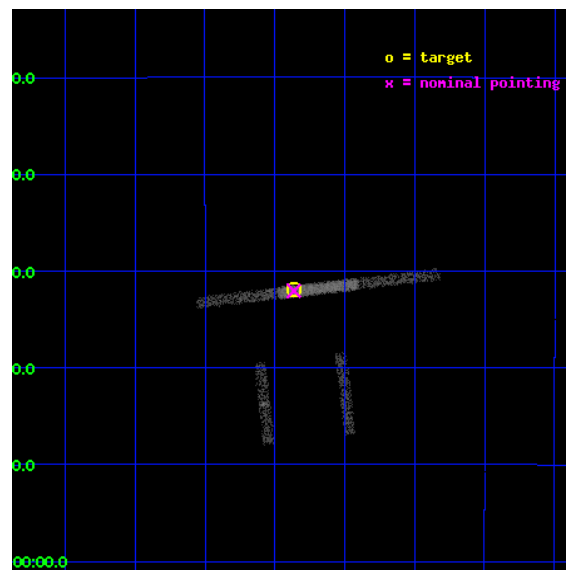
L2 Processing Date : Mar 28 2012

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1 Front

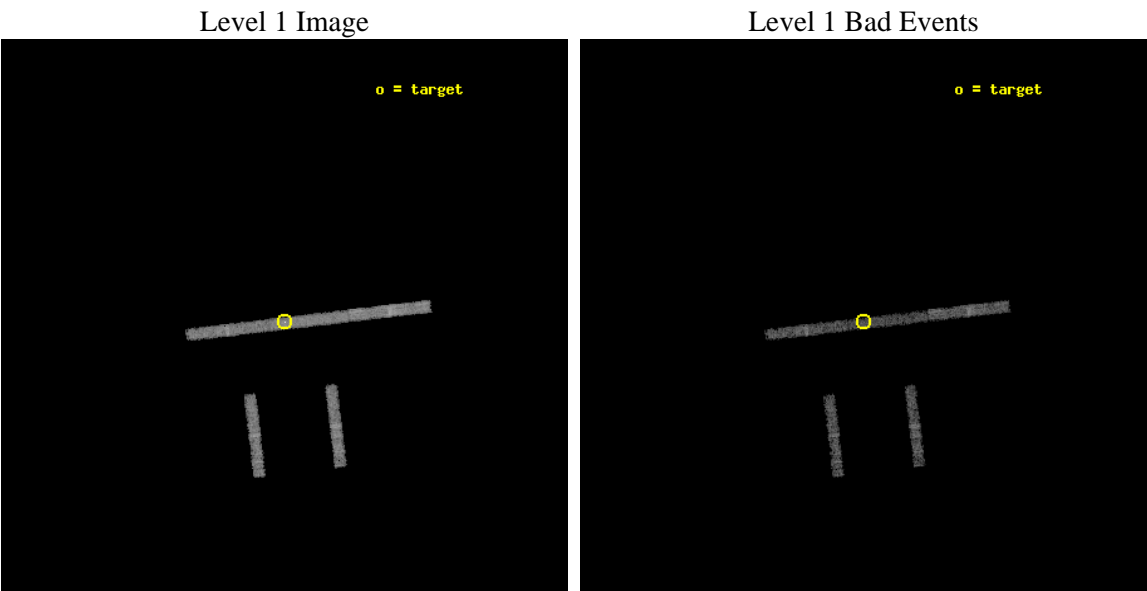
seq_num	701327	Sequence number
obs_id	6912	Observation id
title	Studying the Spatial Structures of the Optical and X-ray Emission Regions of Quasars by Monitoring Microlensing Events	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	RXJ 1131-1231	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.965	Observer's specified target RA [deg]
dec_targ	-12.5325	Observer's specified target Dec [deg]
ra_nom	172.96611744636	Nominal RA [deg]
dec_nom	-12.53421610421	Nominal Dec [deg]
roll_nom	353.29995695674	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4700.499919951	Sum of GTIs [s]
livetime	4440.1785922024	Livetime [s]
ontime2	4700.499919951	Sum of GTIs [s]
ontime3	4700.499919951	Sum of GTIs [s]
ontime6	4700.499919951	Sum of GTIs [s]
ontime7	4700.499919951	Sum of GTIs [s]
ontime8	4700.499919951	Sum of GTIs [s]
l2events	6990	Number of level 2 events



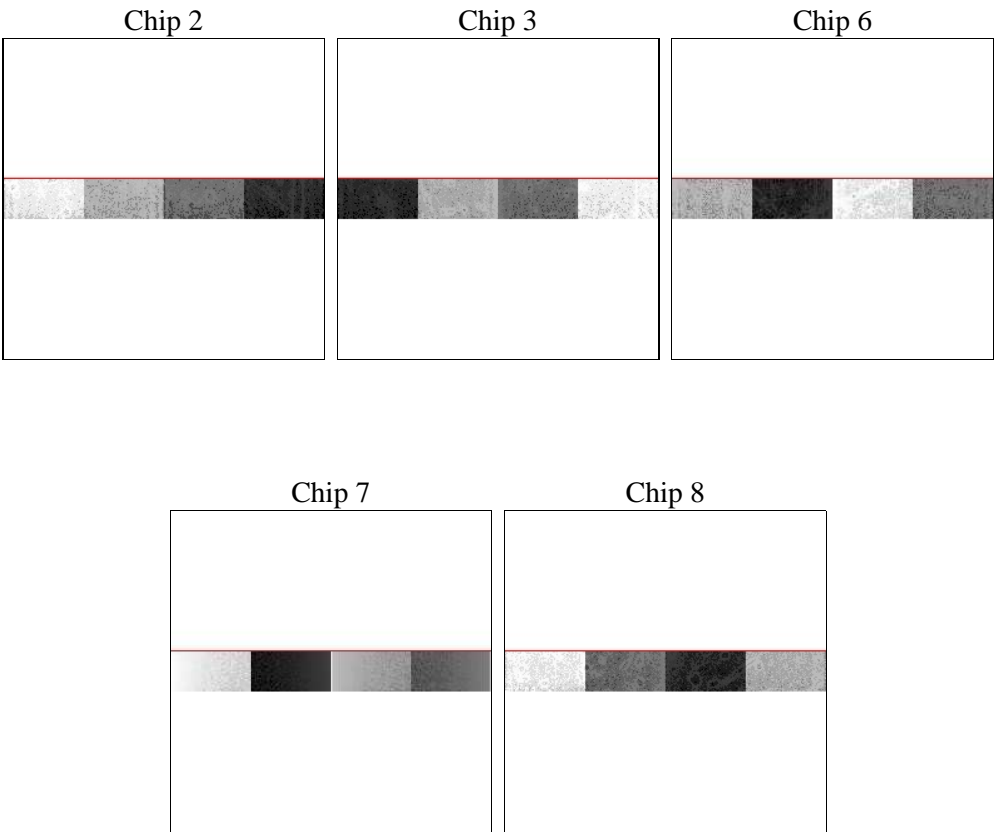
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



Chip 7



Chip 8



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4570.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4700.499919951	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	4700.499919951	Sum of GTIs [s]
date	2012-03-28T03:13:53	Date and time of file creation	ontime3	4700.499919951	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4700.499919951	Sum of GTIs [s]
			ontime7	4700.499919951	Sum of GTIs [s]
			ontime8	4700.499919951	Sum of GTIs [s]
			l1events	45542	Number of level 1 events

2.1.4 Events

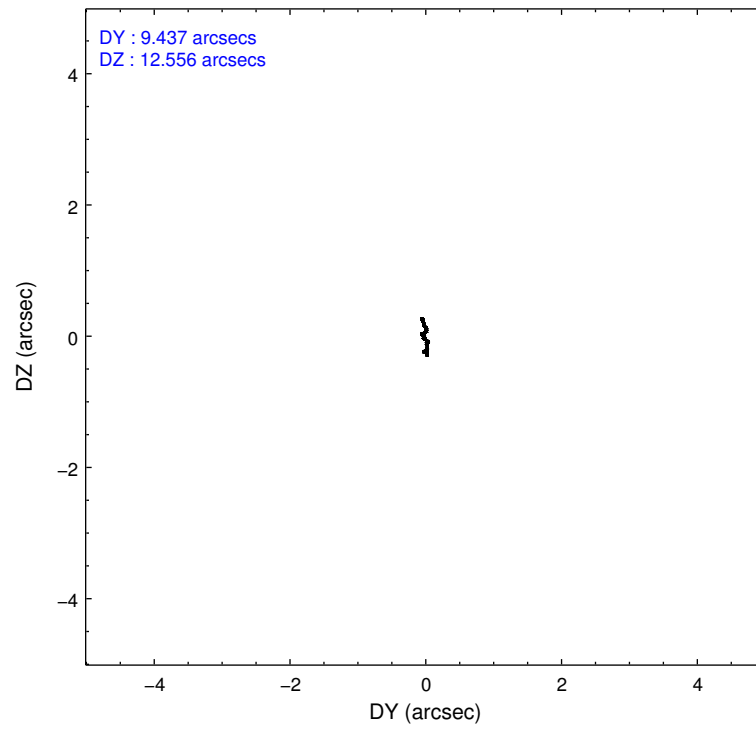
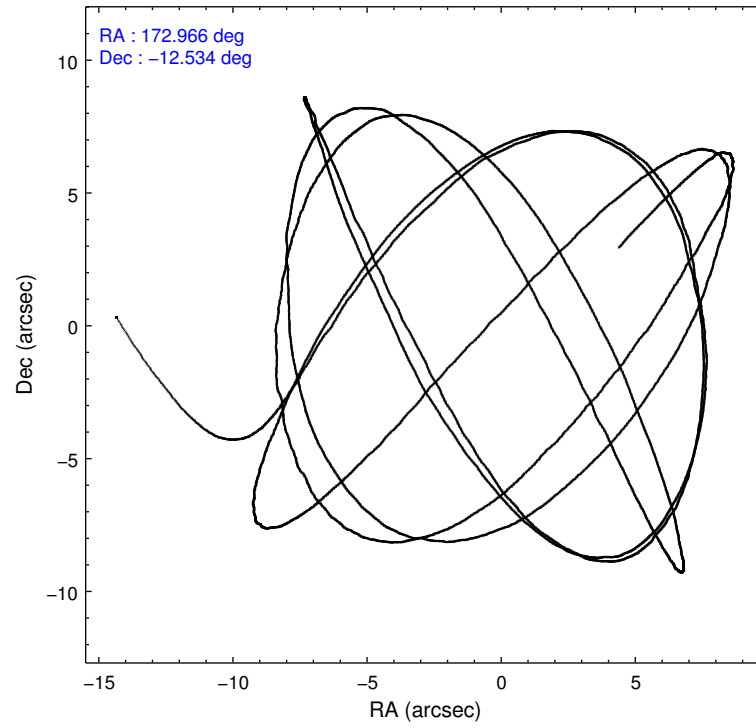
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	7680	7434	8145	10505	11778
rejected events	6952	6733	7320	5840	9739
rejected %	90%	90%	89%	55%	82%

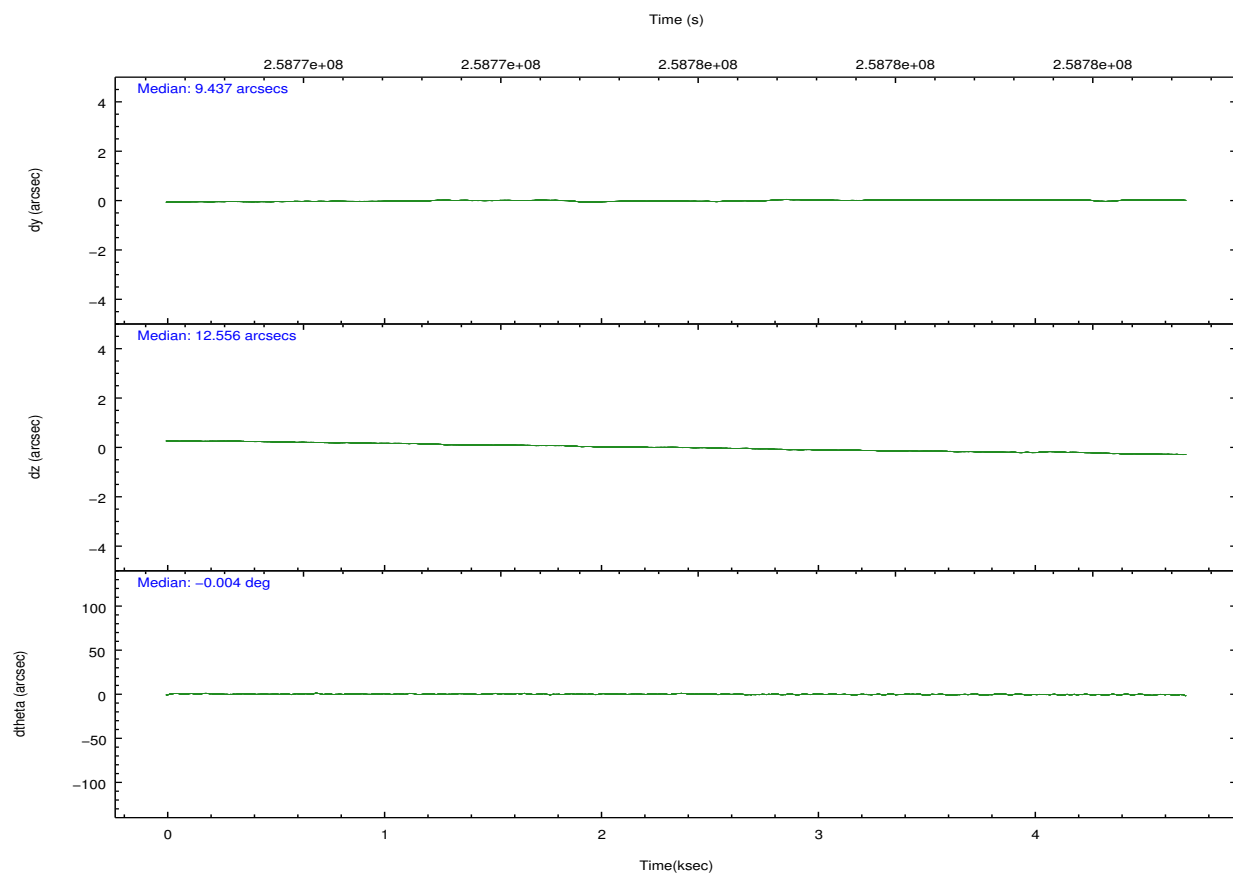
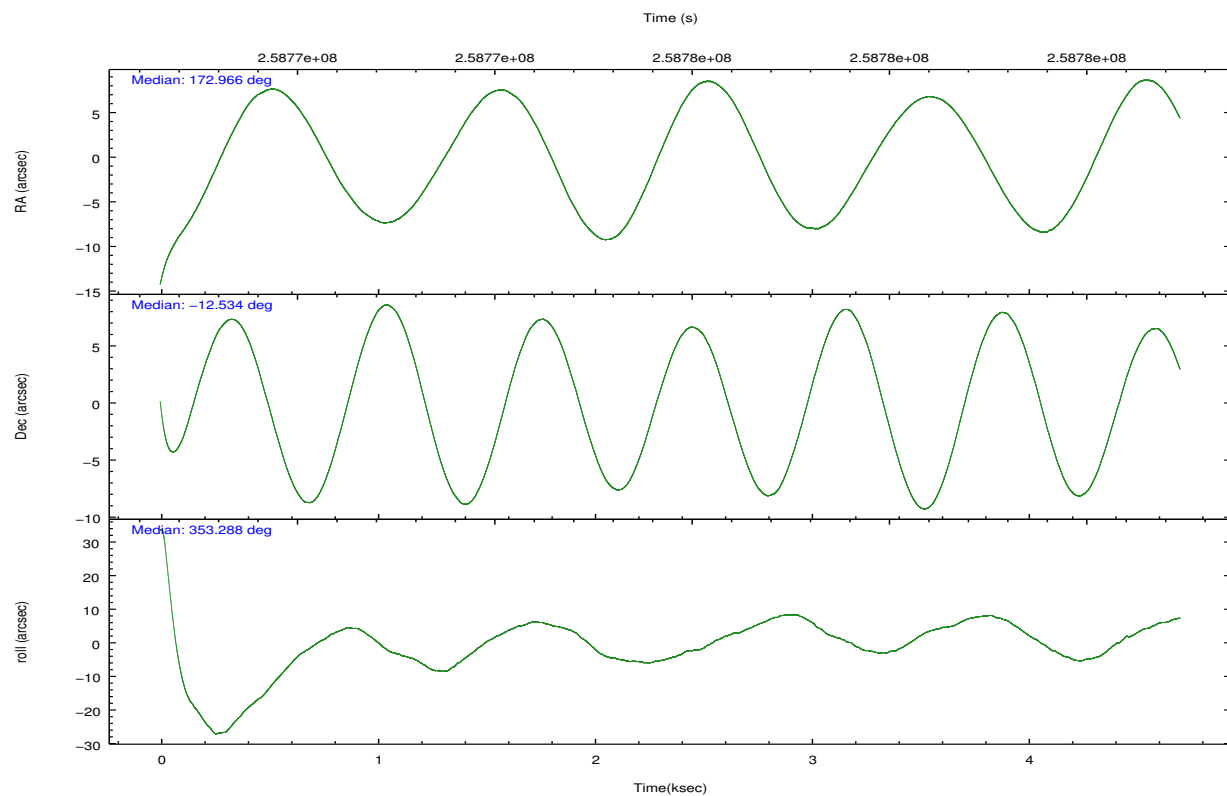
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	346	313	360	838	563
	4%	4%	4%	7%	4%
grade 1 events	2	5	3	19	4
	0%	0%	0%	0%	0%
grade 2 events	134	140	170	1177	515
	1%	1%	2%	11%	4%
grade 3 events	155	133	148	626	251
	2%	1%	1%	5%	2%
grade 4 events	128	116	129	626	257
	1%	1%	1%	5%	2%
grade 5 events	209	299	321	867	411
	2%	4%	3%	8%	3%
grade 6 events	111	138	173	2083	797
	1%	1%	2%	19%	6%
grade 7 events	6595	6290	6841	4269	8980
	85%	84%	83%	40%	76%

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	172.940592	172.9661174463649	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-12.545413	-12.53421610421046	Subarray start row	449	449
[deg] Pointing Roll	353.137645	353.299956956744	Subarray row count	128	128
[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	0.7
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	258772668.184000	258771454.93386			
Observation start date	2006-03-15T01:16:43	2006-03-15T00:57:34			
[s] Observation end time (MET)	258777238.184000	258778572.02169			
Observation end date	2006-03-15T02:32:53	2006-03-15T02:56:12			
Read mode	TIMED	TIMED			

2.3 Aspect



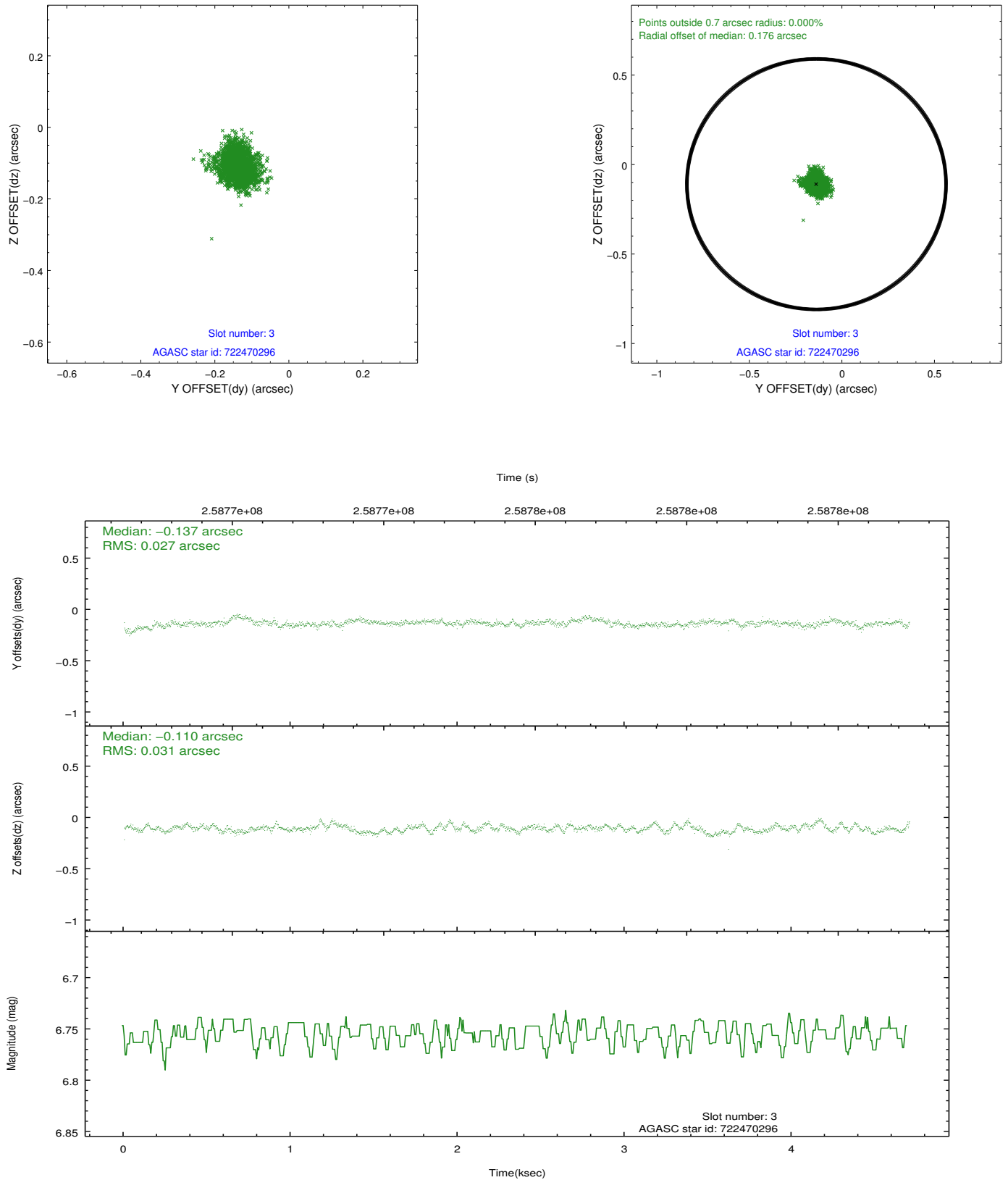


Slot Statistics

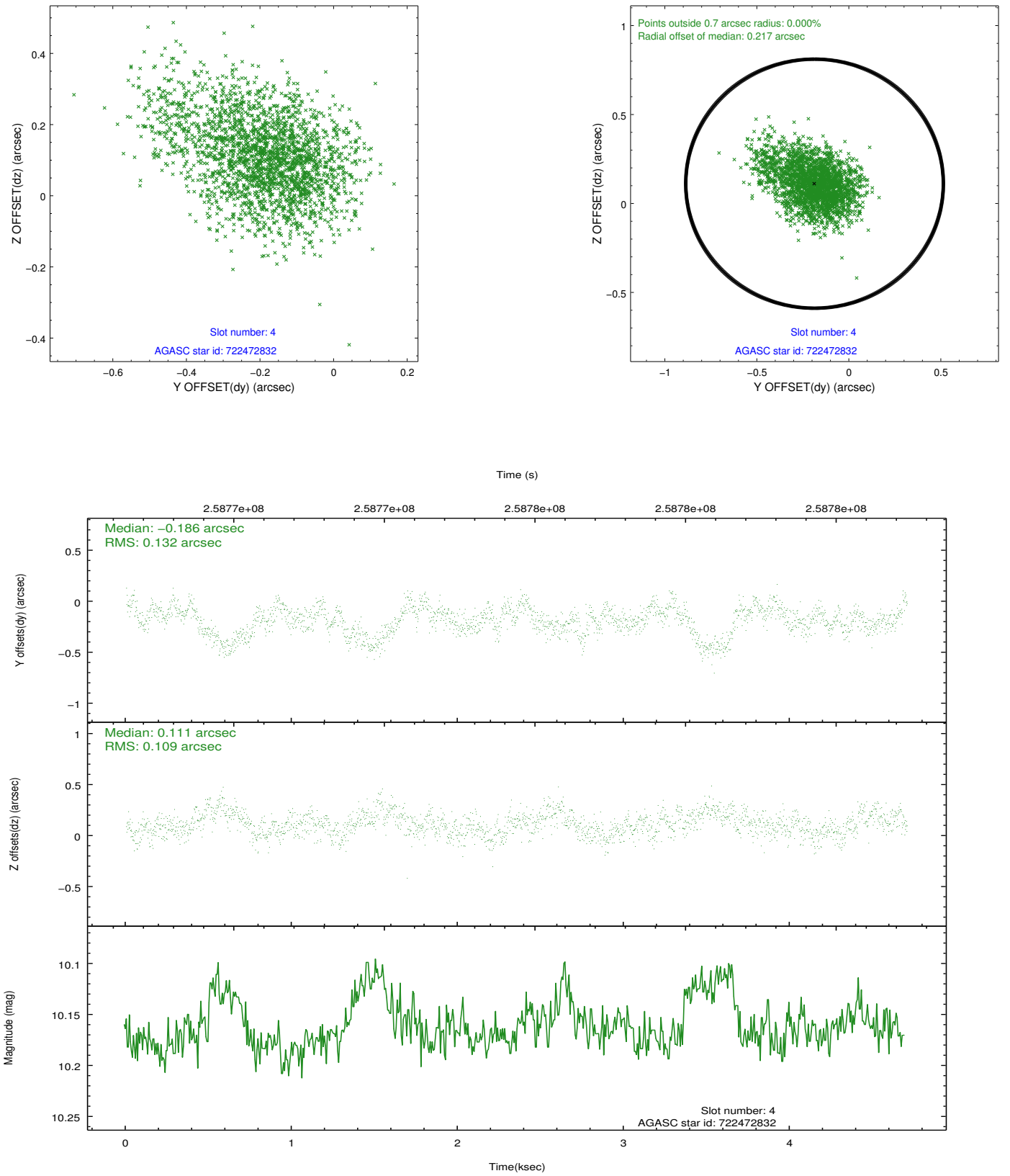
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1147	0.044	-0.055	0.013	0.018	0.000000	0.000000	933.77	-1729.53
1	FID	ACIS-S-4	7.20	1146	0.106	0.022	0.010	0.015	0.000000	0.000000	2152.02	173.33
2	FID	ACIS-S-5	7.23	1147	-0.177	0.047	0.006	0.011	0.000000	0.000000	-1813.59	168.54
3	GUIDE	722470296	6.75	2295	-0.137	-0.110	0.043	0.071	172.921689	-12.381367	-136.90	578.24
4	GUIDE	722472832	10.16	2292	-0.186	0.111	0.180	0.299	173.078970	-12.015349	255.21	1953.01
5	GUIDE	722473176	9.48	2294	0.150	0.078	0.116	0.191	172.599746	-12.066793	-1397.28	1567.05
6	GUIDE	722871728	9.66	2294	0.158	-0.146	0.145	0.239	173.202235	-12.568355	922.20	28.06
7	GUIDE	722873464	7.31	2293	0.017	0.071	0.073	0.117	172.661543	-13.050266	-753.32	-1922.35

2.4 Star Slots

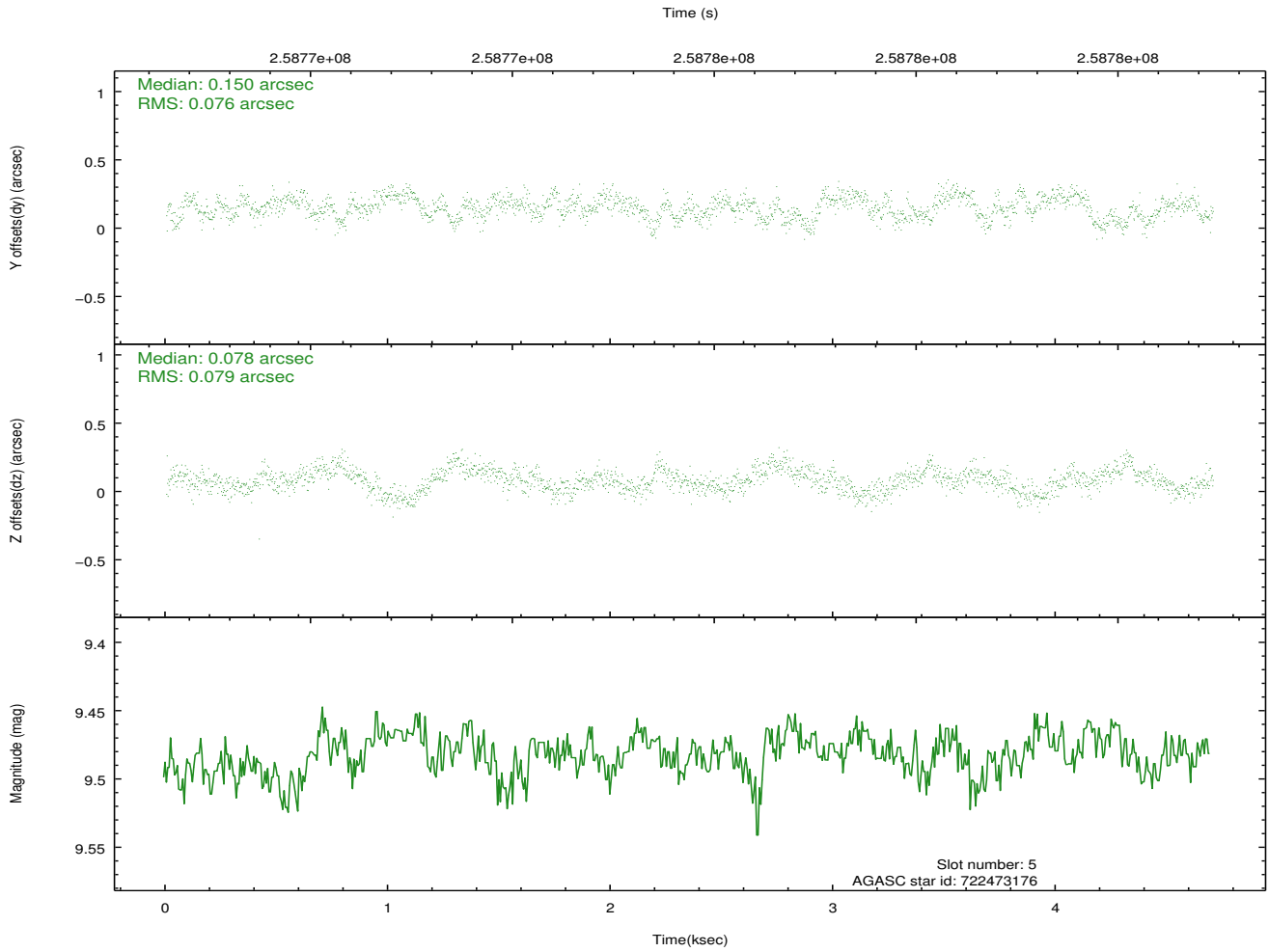
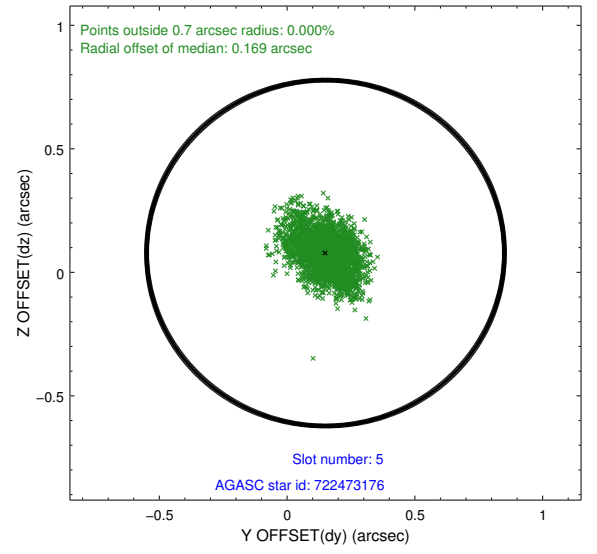
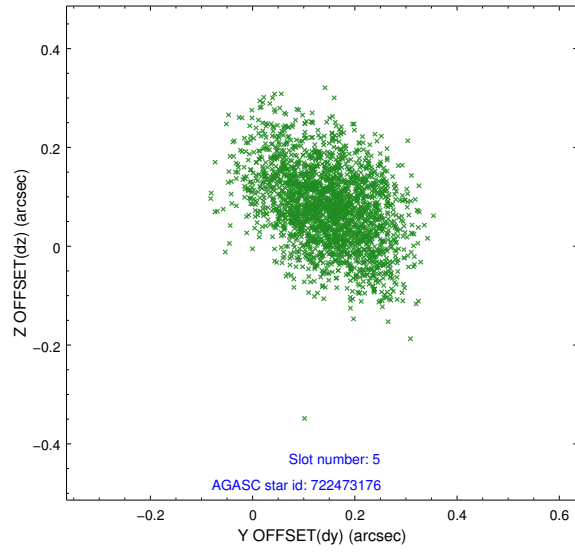
2.4.1 Slot 3



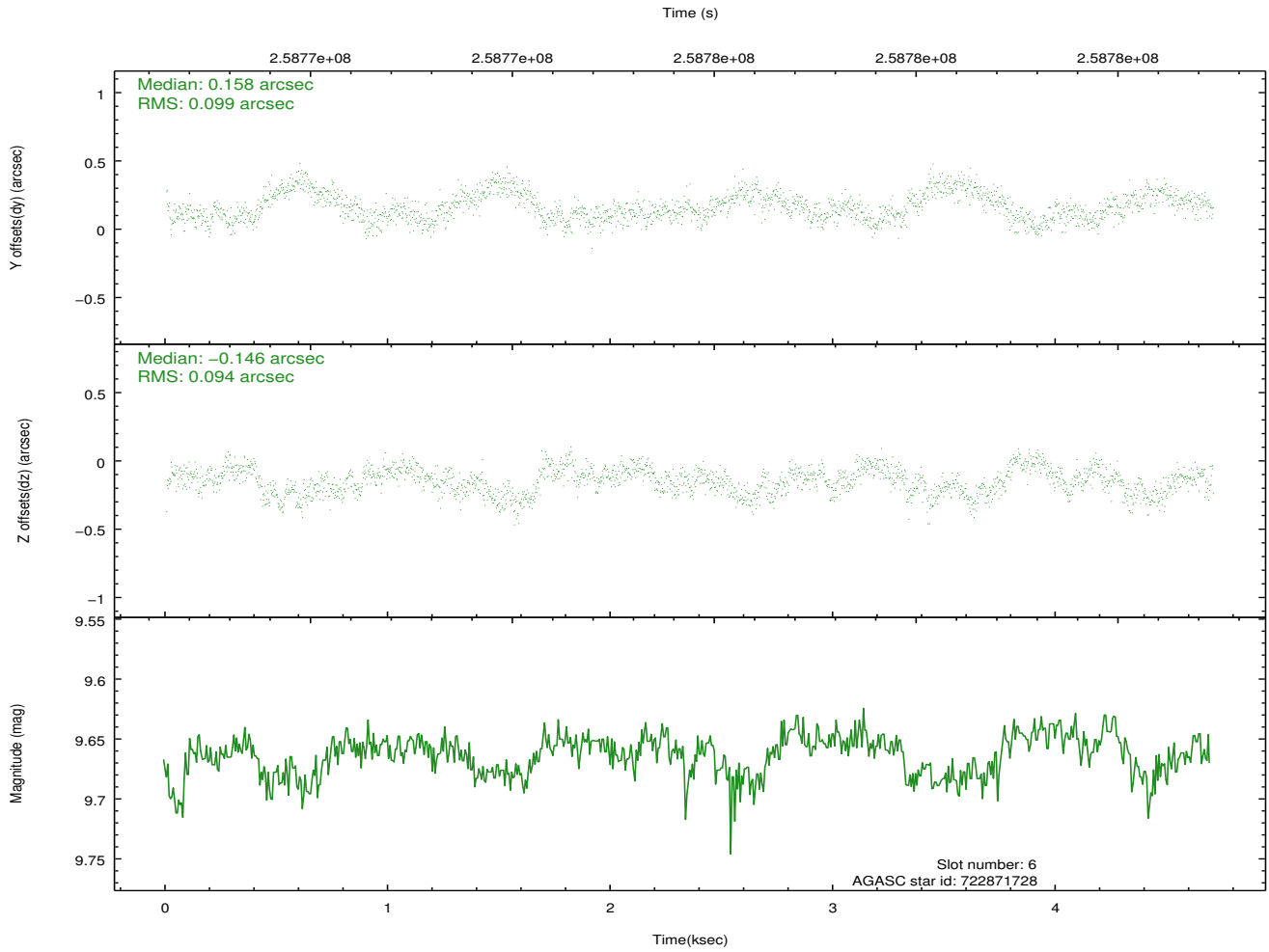
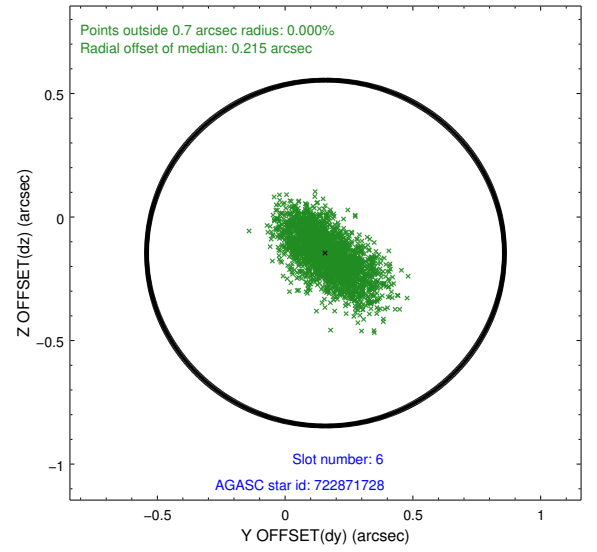
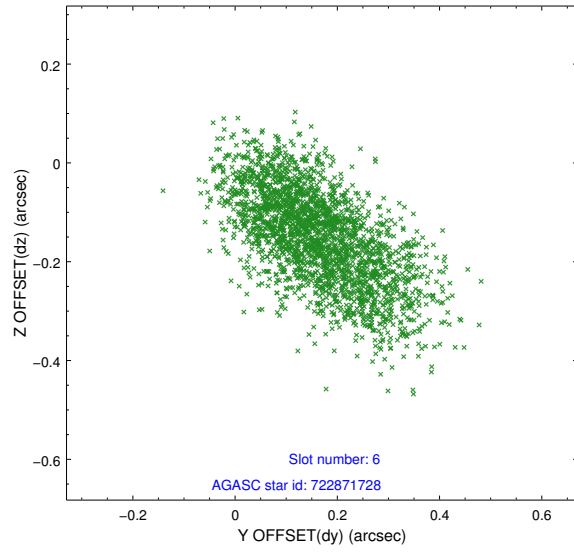
2.4.2 Slot 4



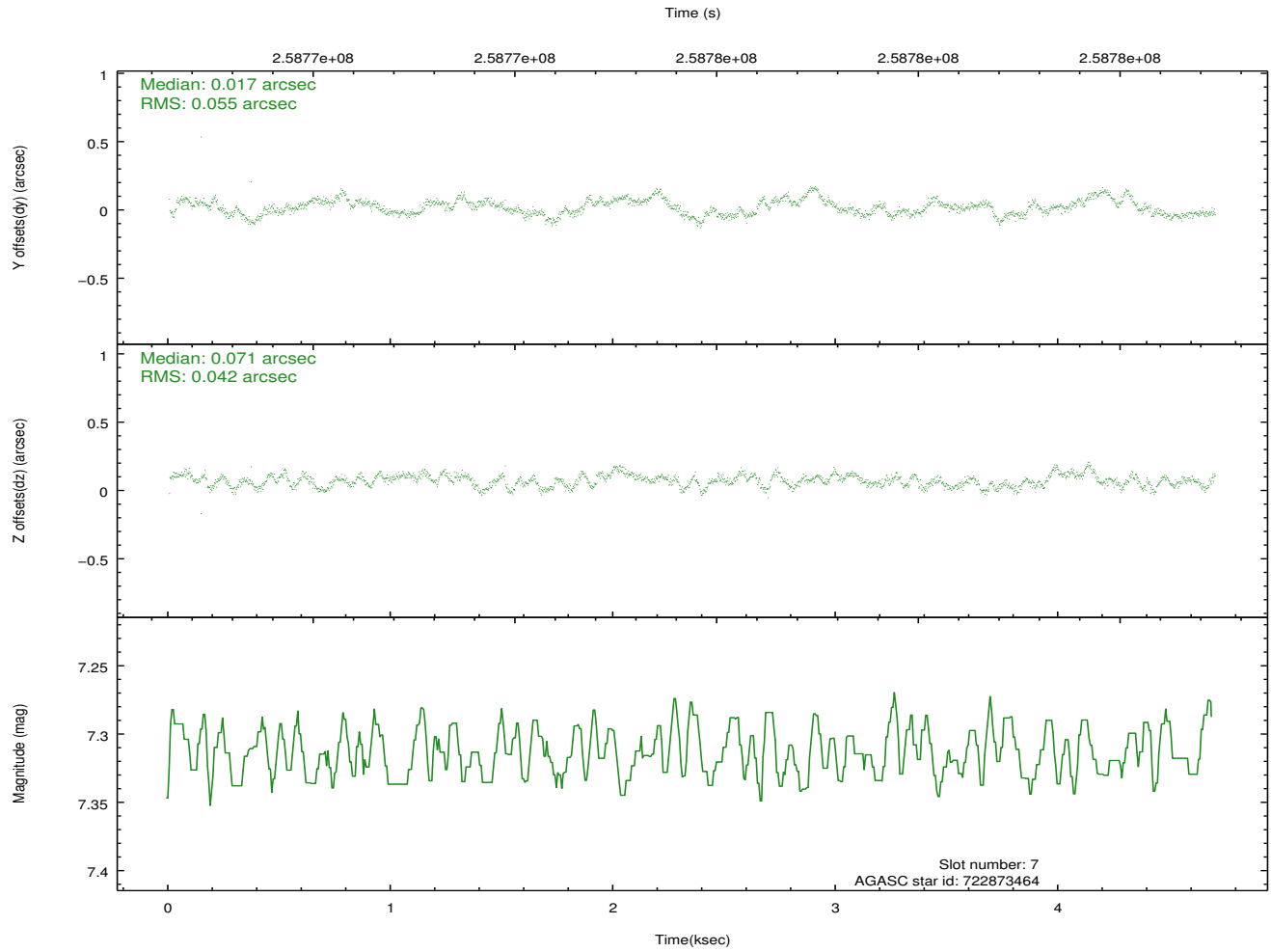
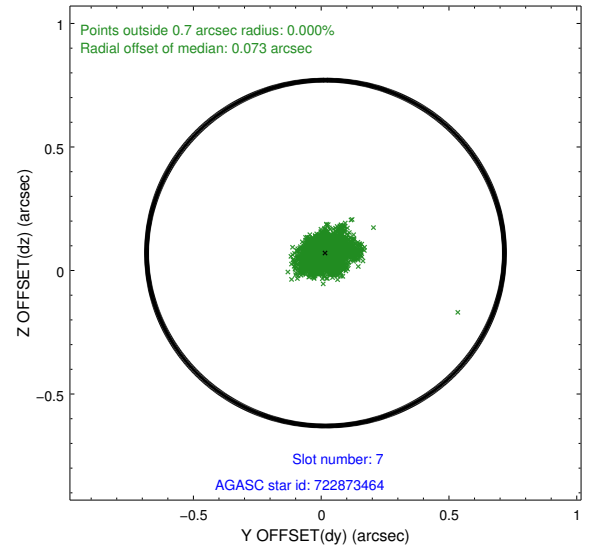
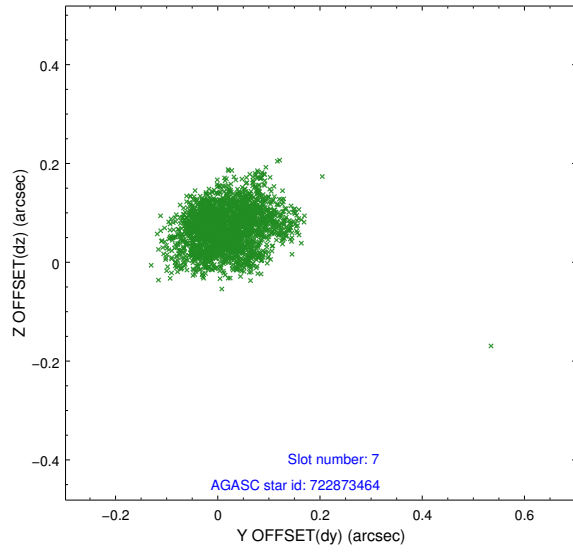
2.4.3 Slot 5



2.4.4 Slot 6

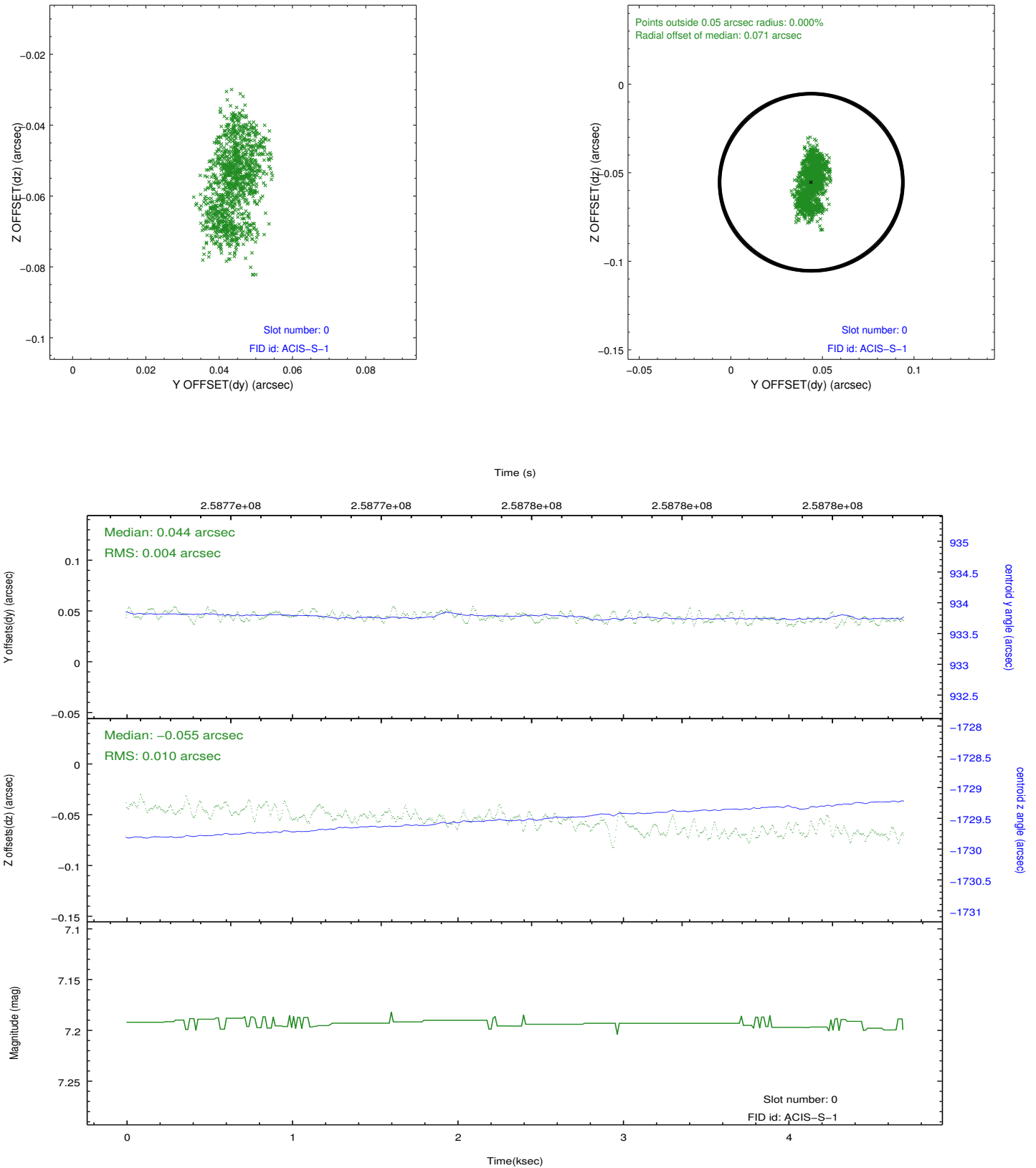


2.4.5 Slot 7

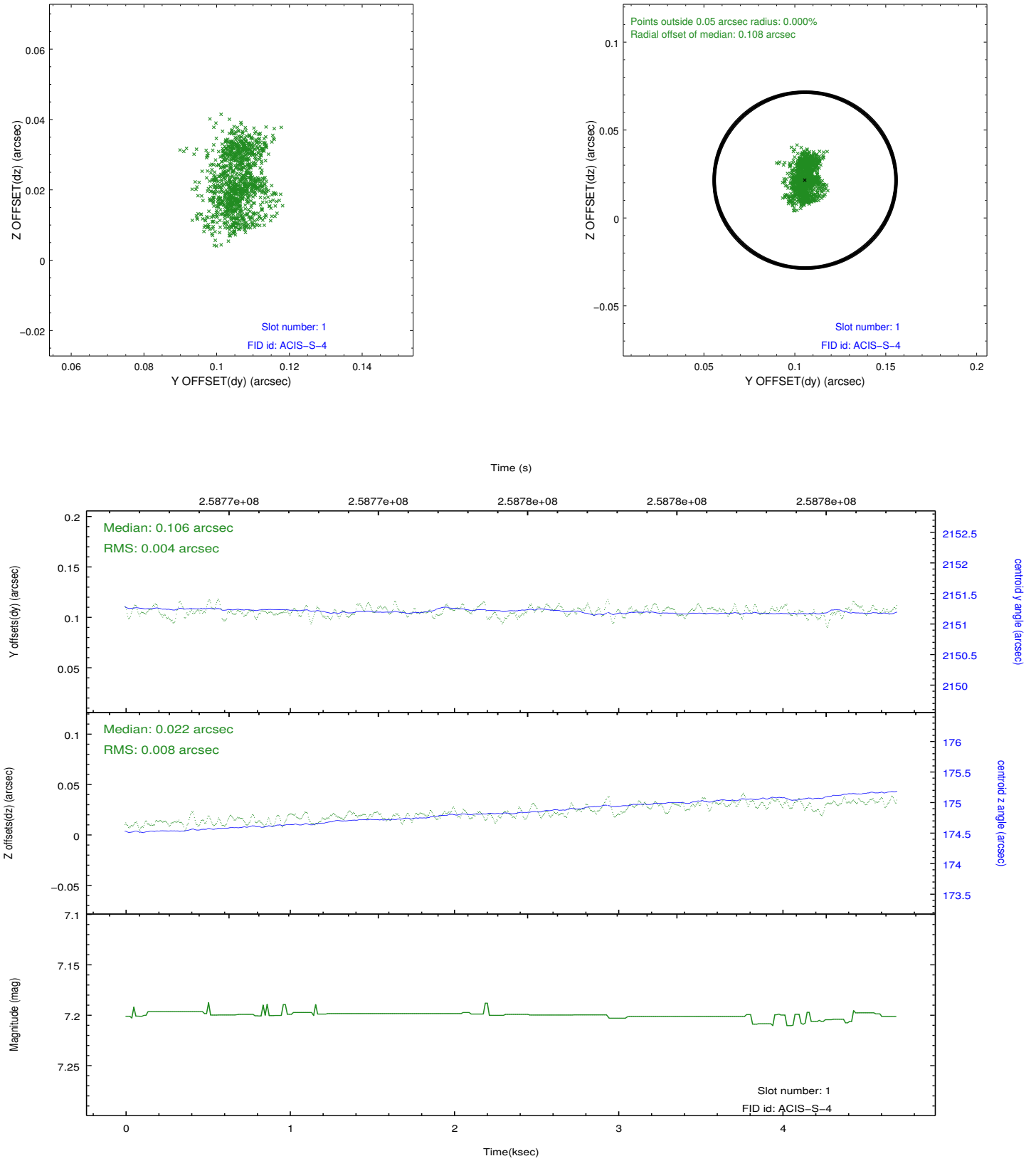


2.5 FID Slots

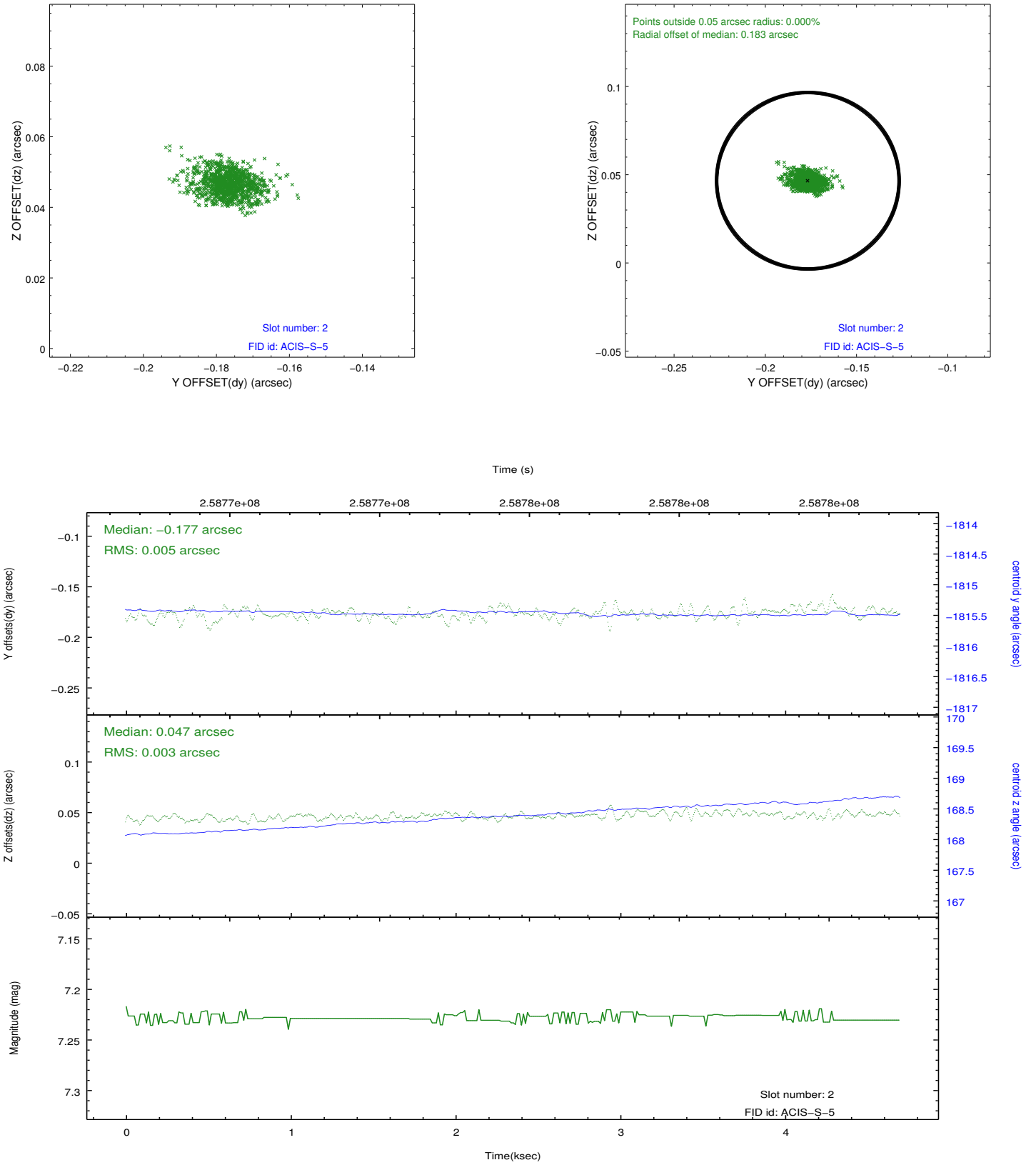
2.5.1 Slot 0



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)	2012.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.70049991

A.2 Comments

Window preference not met.