

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6915 - L2 Version 2
Chandra X-Ray Center

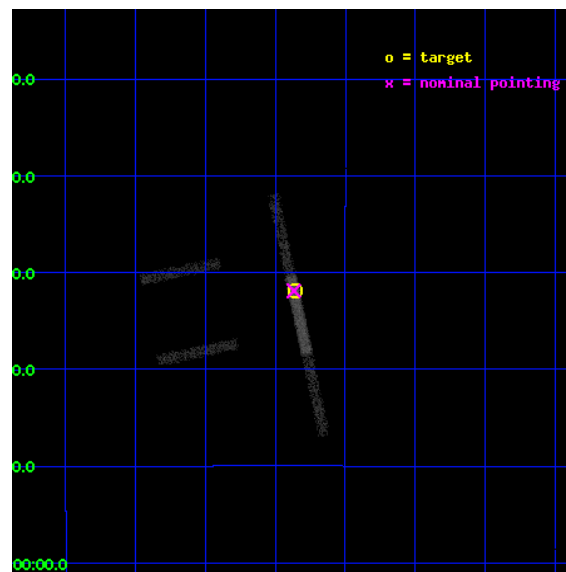
L2 Processing Date : Apr 13 2012

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1 Front

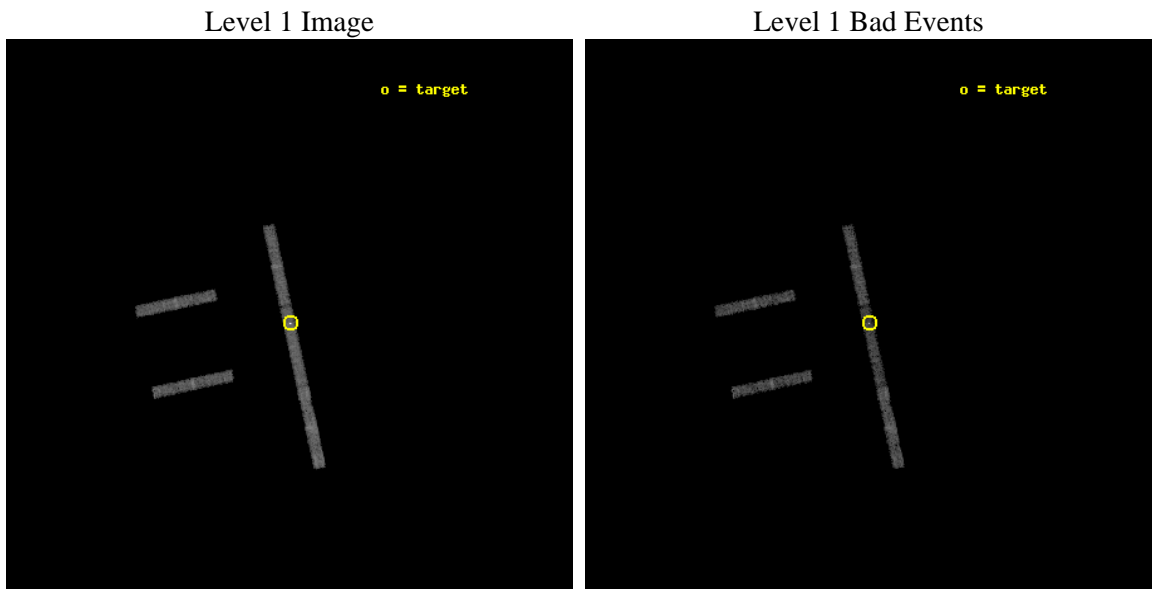
seq_num	701330	Sequence number
obs_id	6915	Observation id
title	Studying the Spatial Structures of the Optical and X-ray Emission Regions of Quasars by Monitoring Microlensing Events	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	RXJ 1131-1231	Source name
dtcycle	0	
cycle	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	172.96687781798	Nominal RA [deg]
dec_nom	-12.531661929668	Nominal Dec [deg]
roll_nom	77.919502315924	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5119.0999127626	Sum of GTIs [s]
livetime	4835.5958368426	Livetime [s]
ontime2	5119.0999127626	Sum of GTIs [s]
ontime3	5119.0999127626	Sum of GTIs [s]
ontime6	5119.0999127626	Sum of GTIs [s]
ontime7	5119.0999127626	Sum of GTIs [s]
ontime8	5119.0999127626	Sum of GTIs [s]
l2events	10963	Number of level 2 events



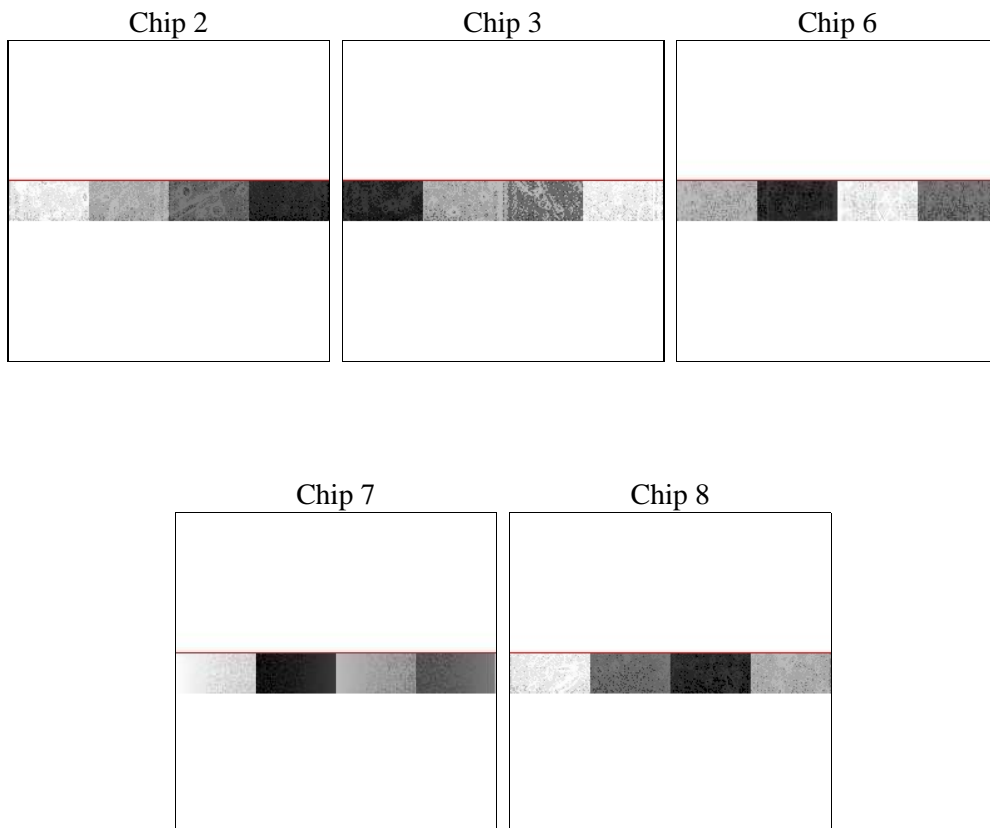
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	5119.0999127626	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5119.0999127626	Sum of GTIs [s]
date	2012-04-13T14:33:42	Date and time of file creation	ontime3	5119.0999127626	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5119.0999127626	Sum of GTIs [s]
			ontime7	5119.0999127626	Sum of GTIs [s]
			ontime8	5119.0999127626	Sum of GTIs [s]
			l1events	54458	Number of level 1 events

2.1.4 Events

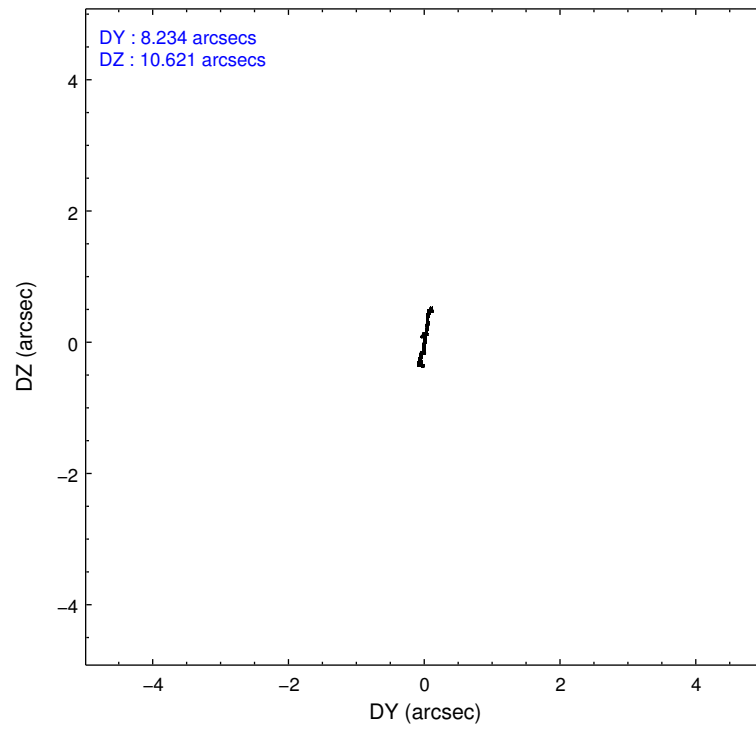
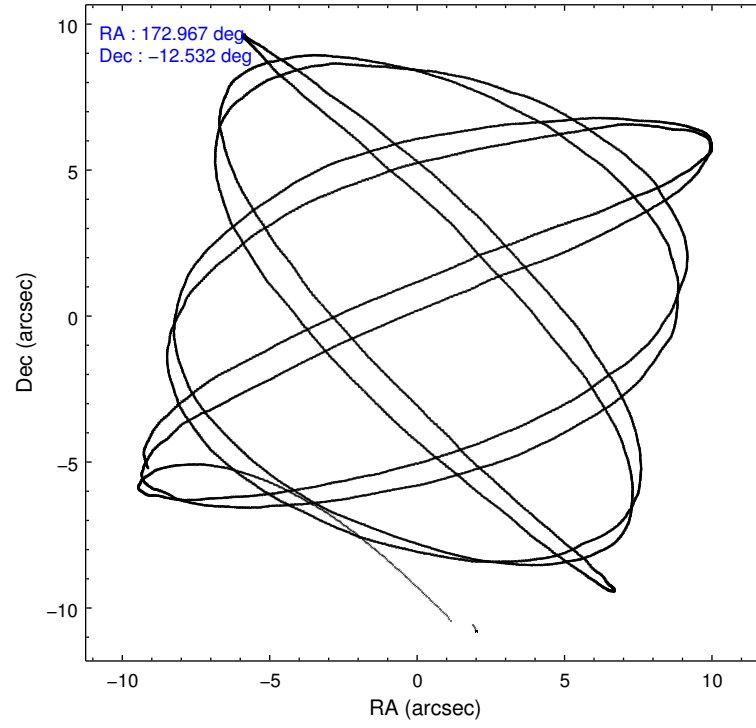
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	8755	8464	9261	15356	12622
rejected events	7902	7623	8374	7040	10670
rejected %	90%	90%	90%	45%	84%

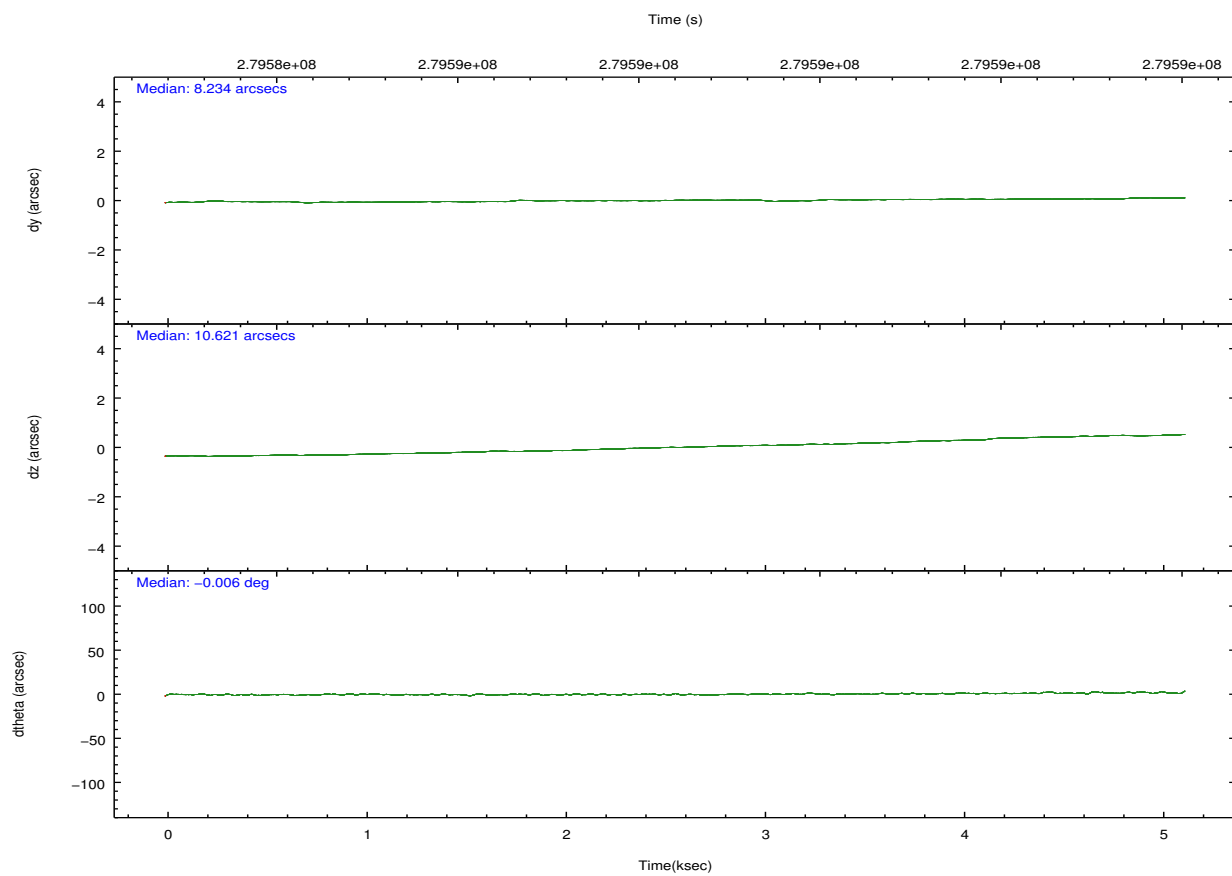
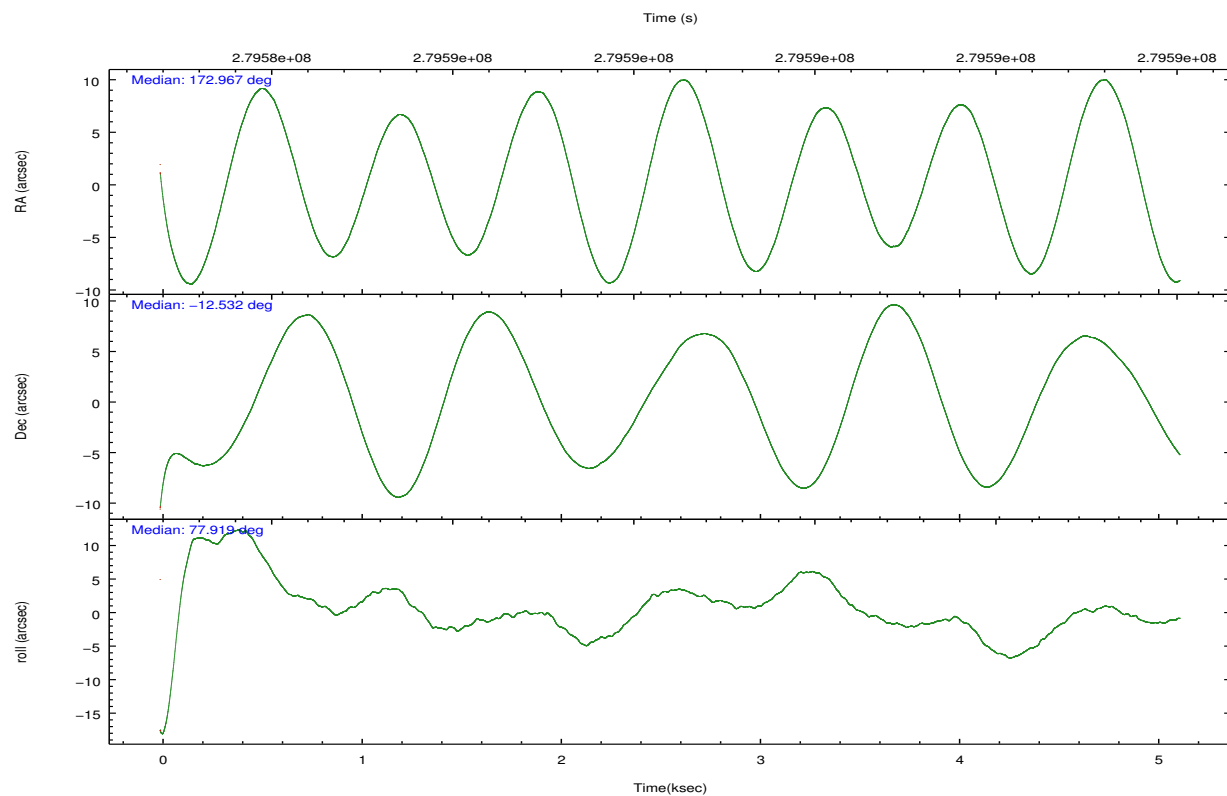
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	343	373	367	1767	674
	3%	4%	3%	11%	5%
grade 1 events	2	2	2	79	5
	0%	0%	0%	0%	0%
grade 2 events	205	177	220	2094	445
	2%	2%	2%	13%	3%
grade 3 events	152	130	161	1069	250
	1%	1%	1%	6%	1%
grade 4 events	172	144	148	985	261
	1%	1%	1%	6%	2%
grade 5 events	256	316	351	1128	411
	2%	3%	3%	7%	3%
grade 6 events	140	160	186	3264	691
	1%	1%	2%	21%	5%
grade 7 events	7485	7162	7826	4970	9885
	85%	84%	84%	32%	78%

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	172.975884	172.9668778179842	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-12.557421	-12.53166192966776	Subarray start row	449	449
[deg] Pointing Roll	77.764925	77.9195023159244	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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	279584747.184000	279583501.78392			
Observation start date	2006-11-10T22:24:42	2006-11-10T22:05:01			
[s] Observation end time (MET)	279589747.184000	279591231.82179			
Observation end date	2006-11-10T23:48:02	2006-11-11T00:13:51			
Read mode	TIMED	TIMED			

2.3 Aspect



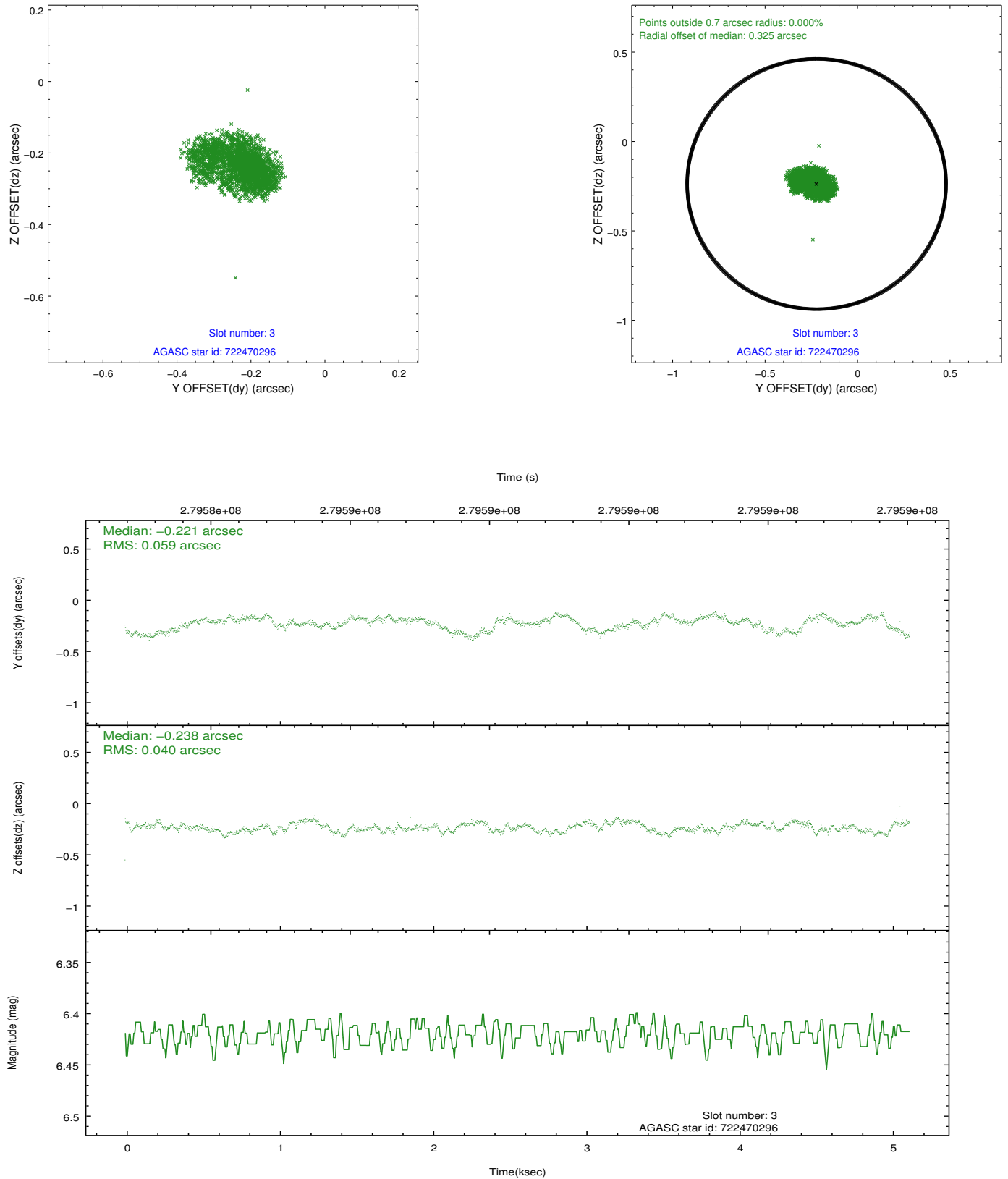


Slot Statistics

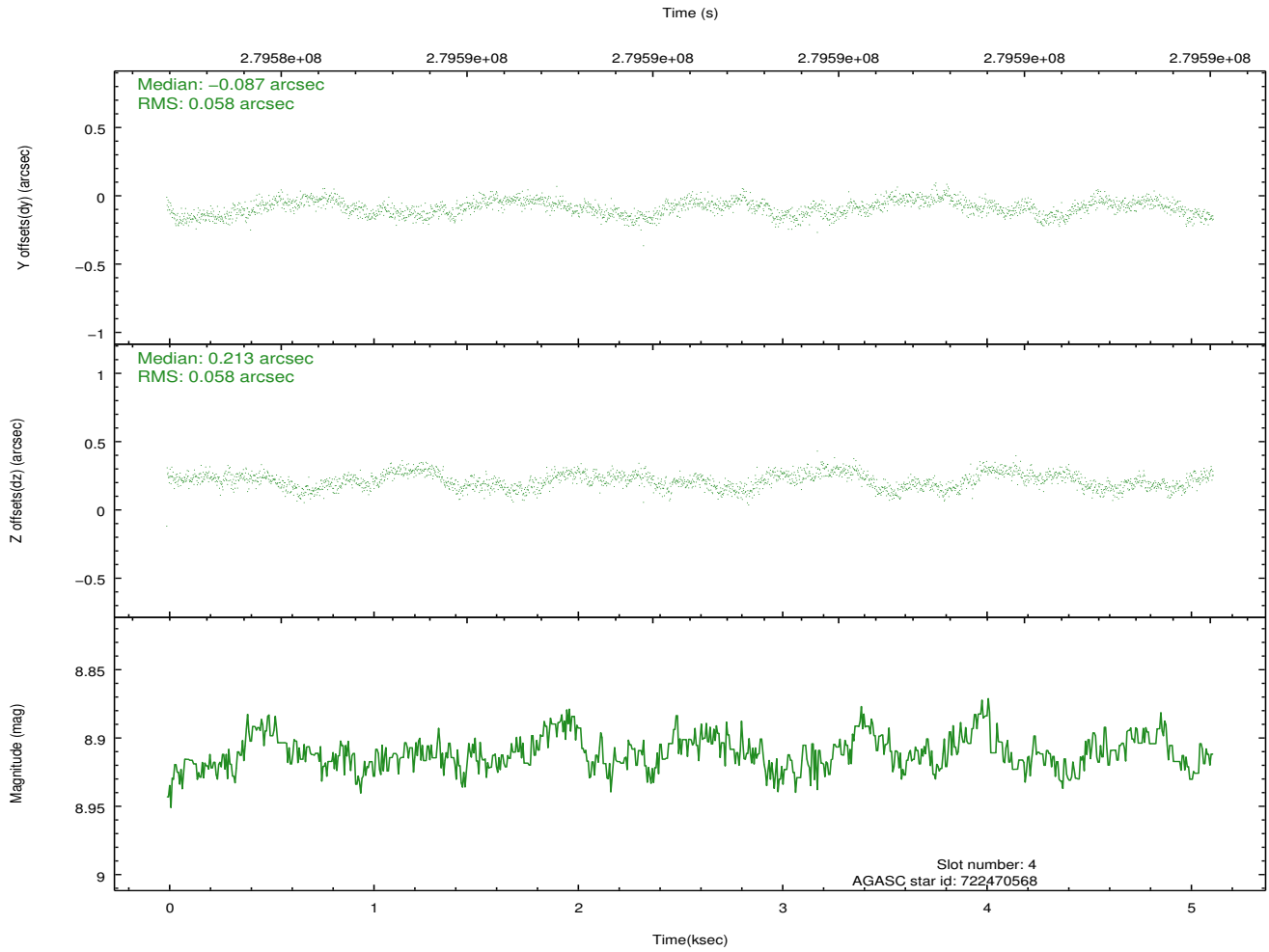
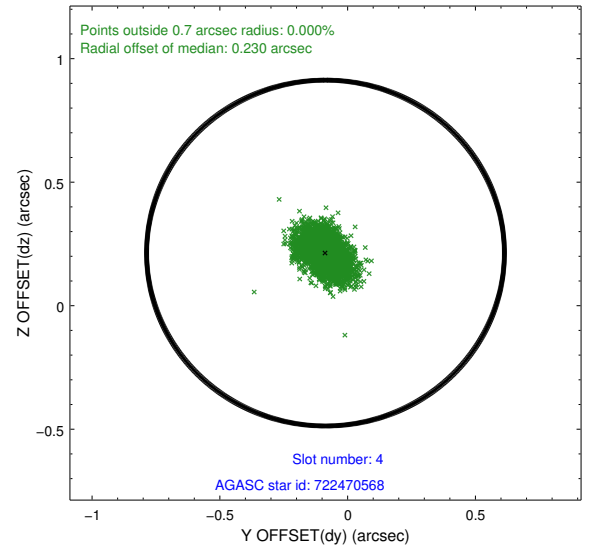
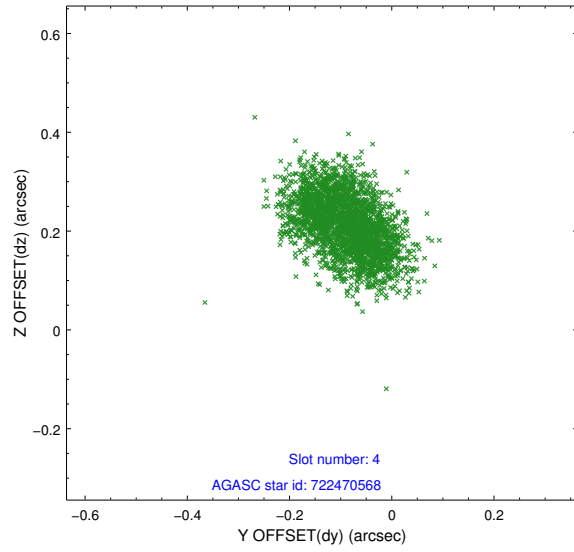
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.20	1250	0.059	-0.074	0.016	0.030	0.000000	0.000000	935.08	-1727.50
1	FID	ACIS-S-5	7.24	1250	-0.115	0.029	0.007	0.013	0.000000	0.000000	-1813.43	168.93
2	FID	ACIS-S-6	7.35	1250	0.034	0.057	0.016	0.023	0.000000	0.000000	399.32	814.26
3	GUIDE	722470296	6.42	2499	-0.221	-0.238	0.077	0.125	172.921689	-12.381367	579.22	320.48
4	GUIDE	722470568	8.91	2497	-0.087	0.213	0.089	0.138	173.210269	-12.342558	930.84	-641.39
5	GUIDE	722472832	10.15	2496	0.122	-0.076	0.166	0.265	173.078970	-12.015349	1984.91	58.48
6	GUIDE	722871728	9.69	2485	-0.017	0.179	0.276	0.528	173.202235	-12.568355	131.03	-785.38
7	GUIDE	722873464	7.31	2498	0.181	-0.089	0.098	0.155	172.661543	-13.050266	-1967.89	700.52

2.4 Star Slots

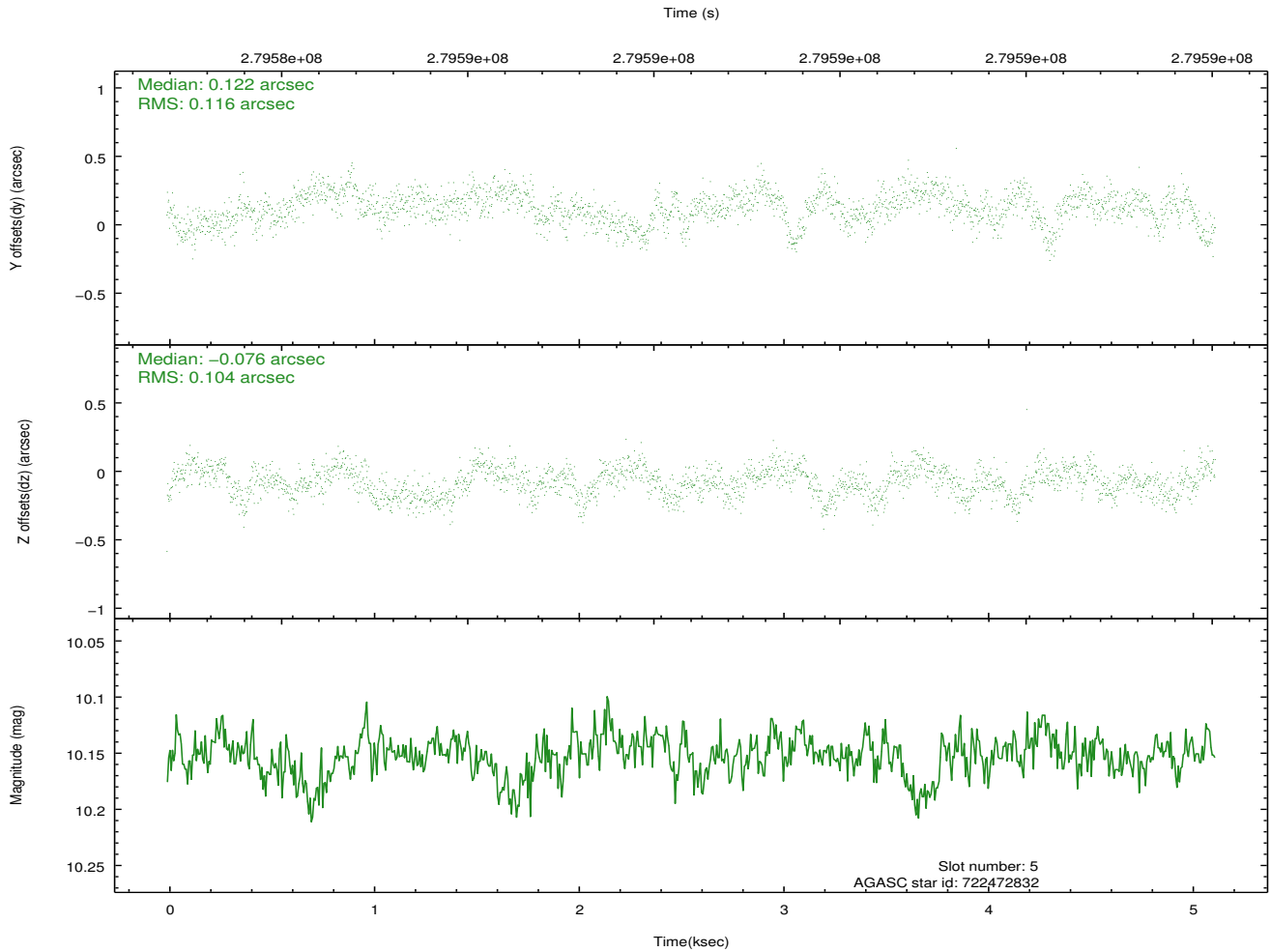
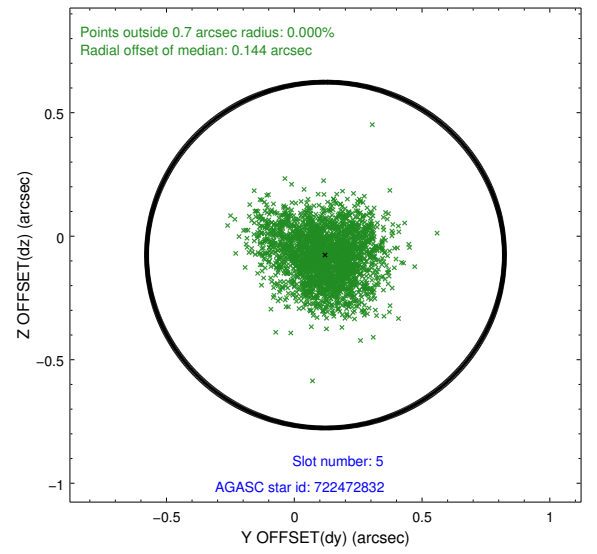
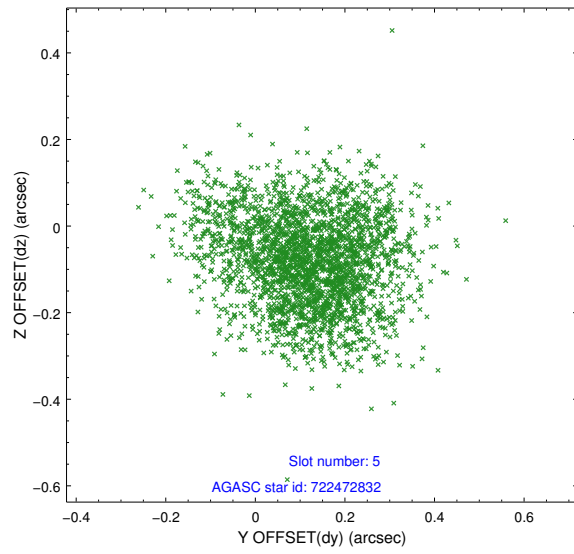
2.4.1 Slot 3



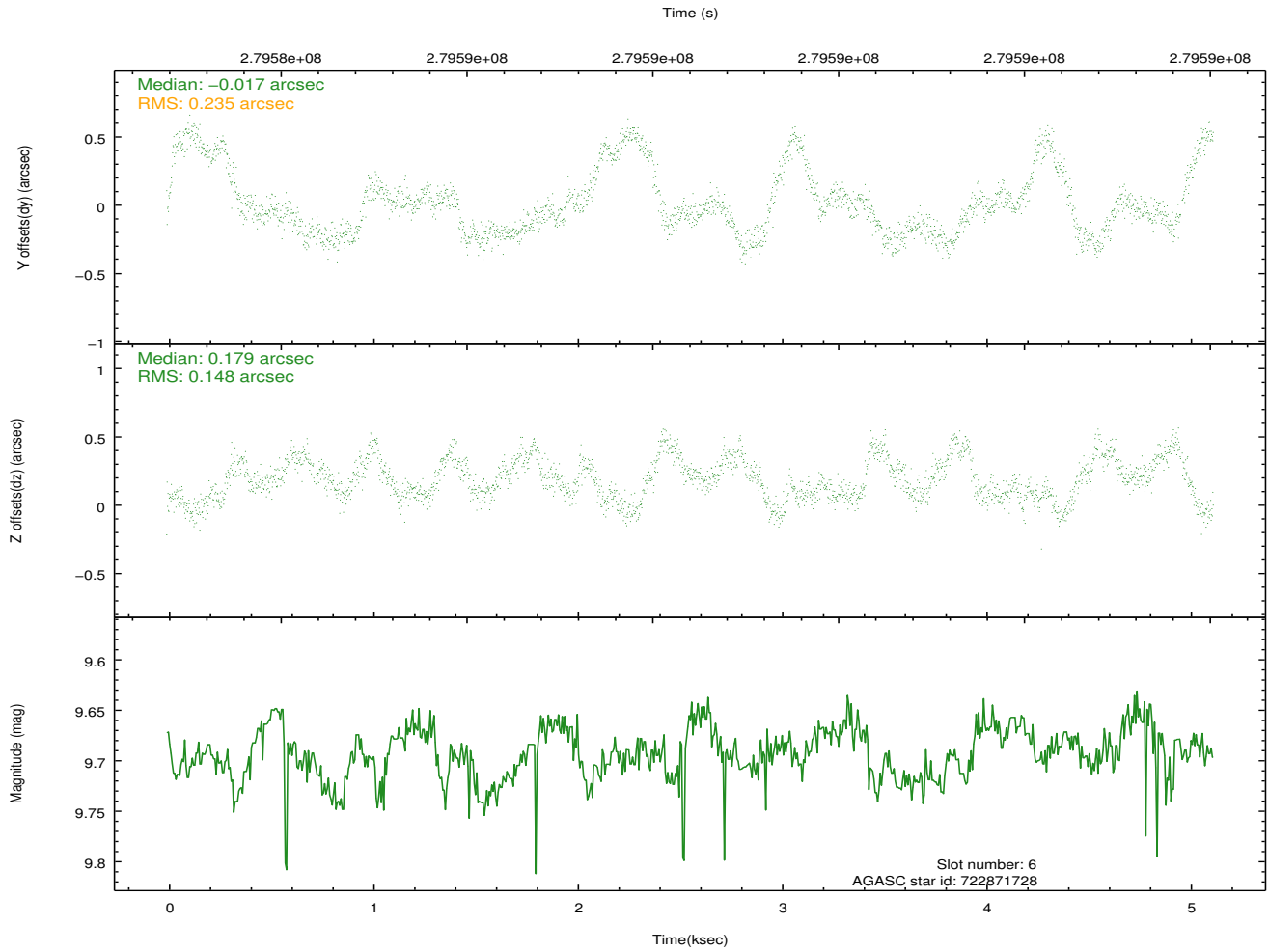
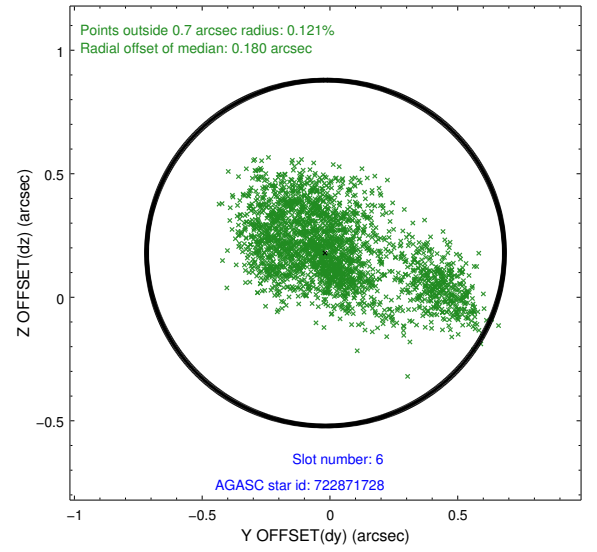
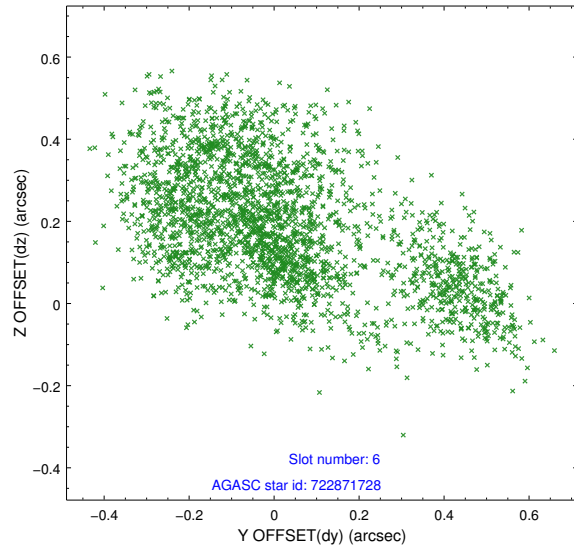
2.4.2 Slot 4



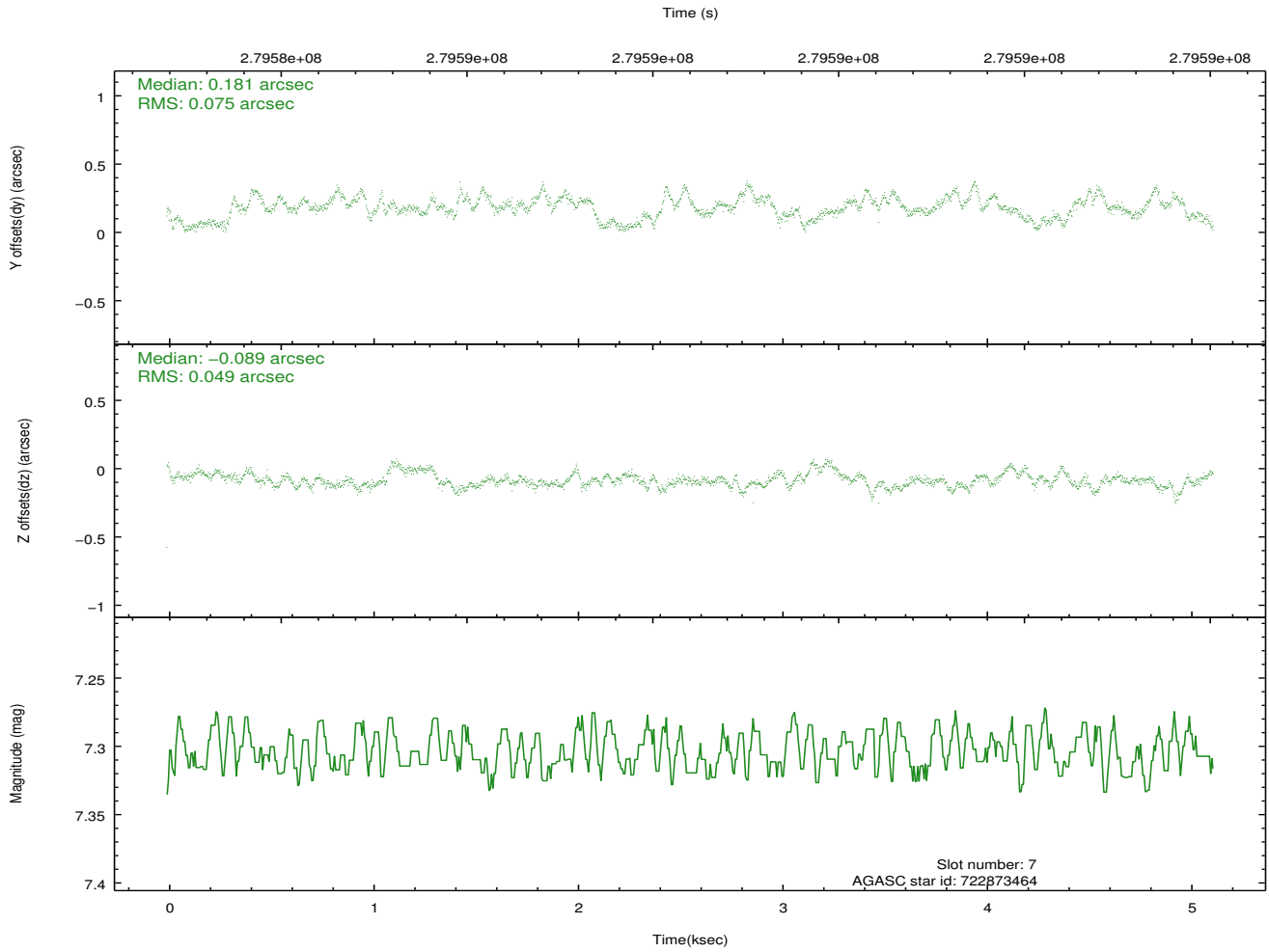
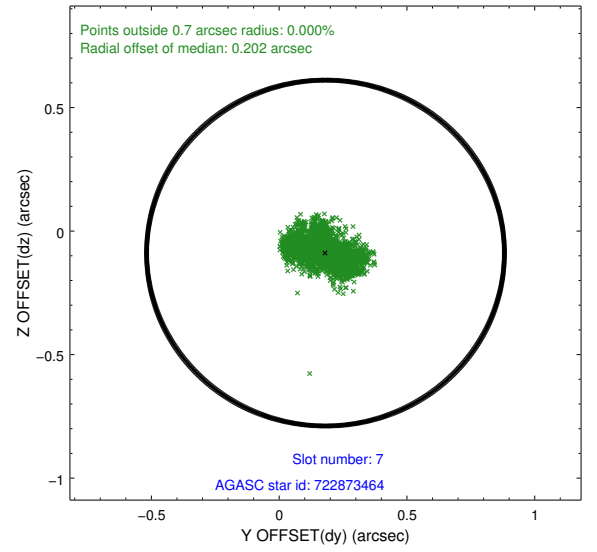
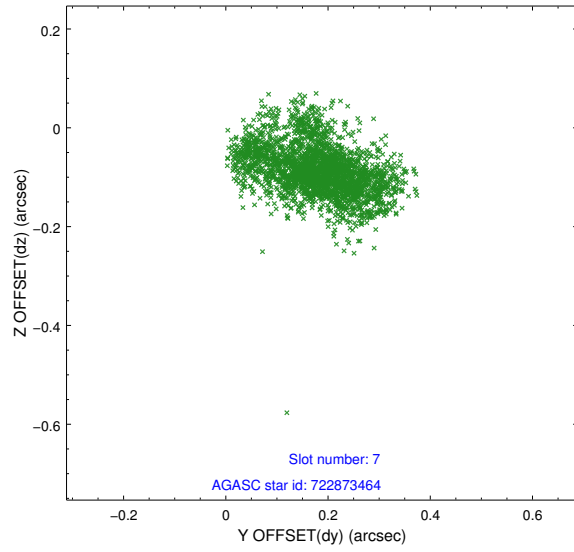
2.4.3 Slot 5



2.4.4 Slot 6

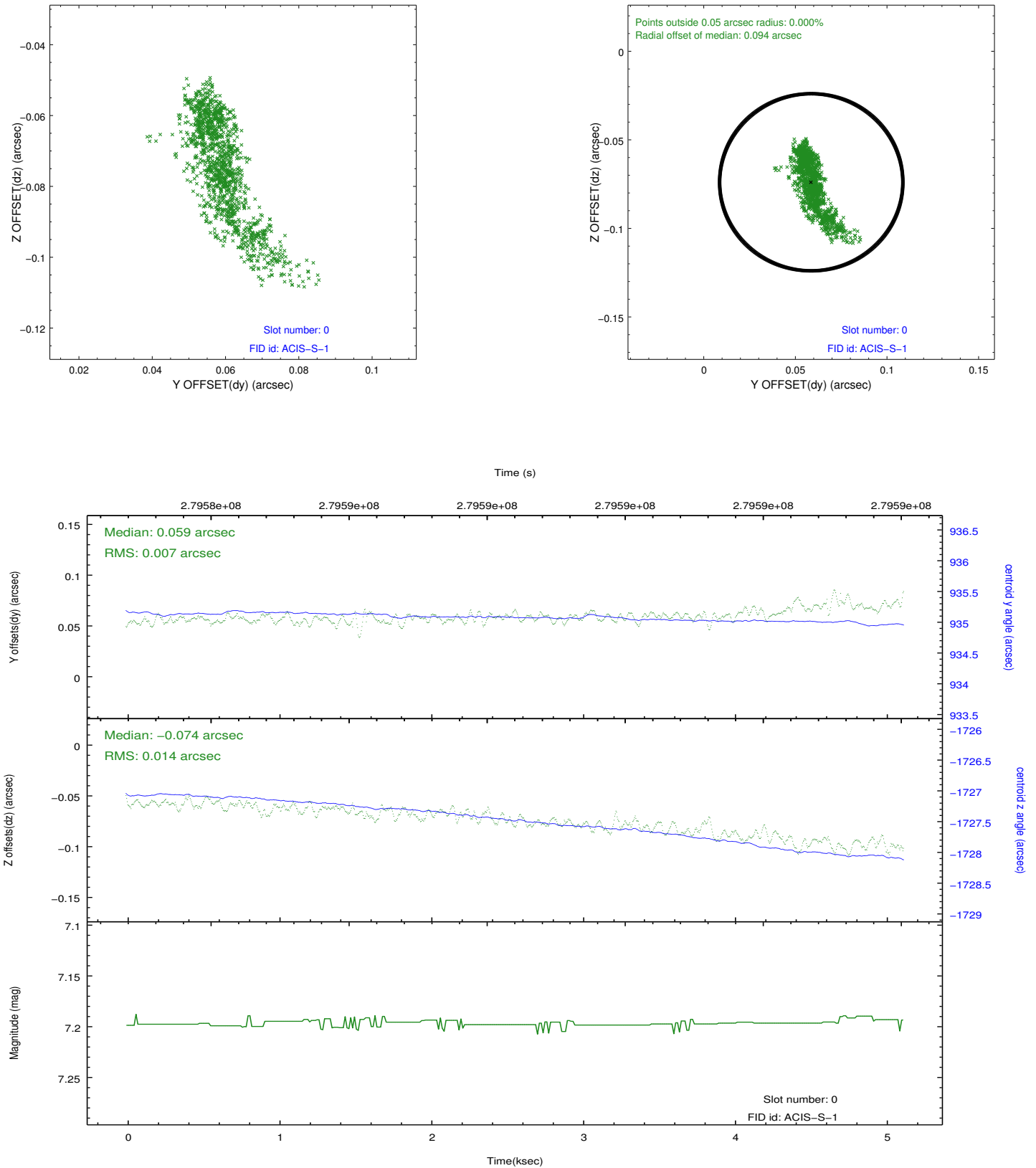


2.4.5 Slot 7

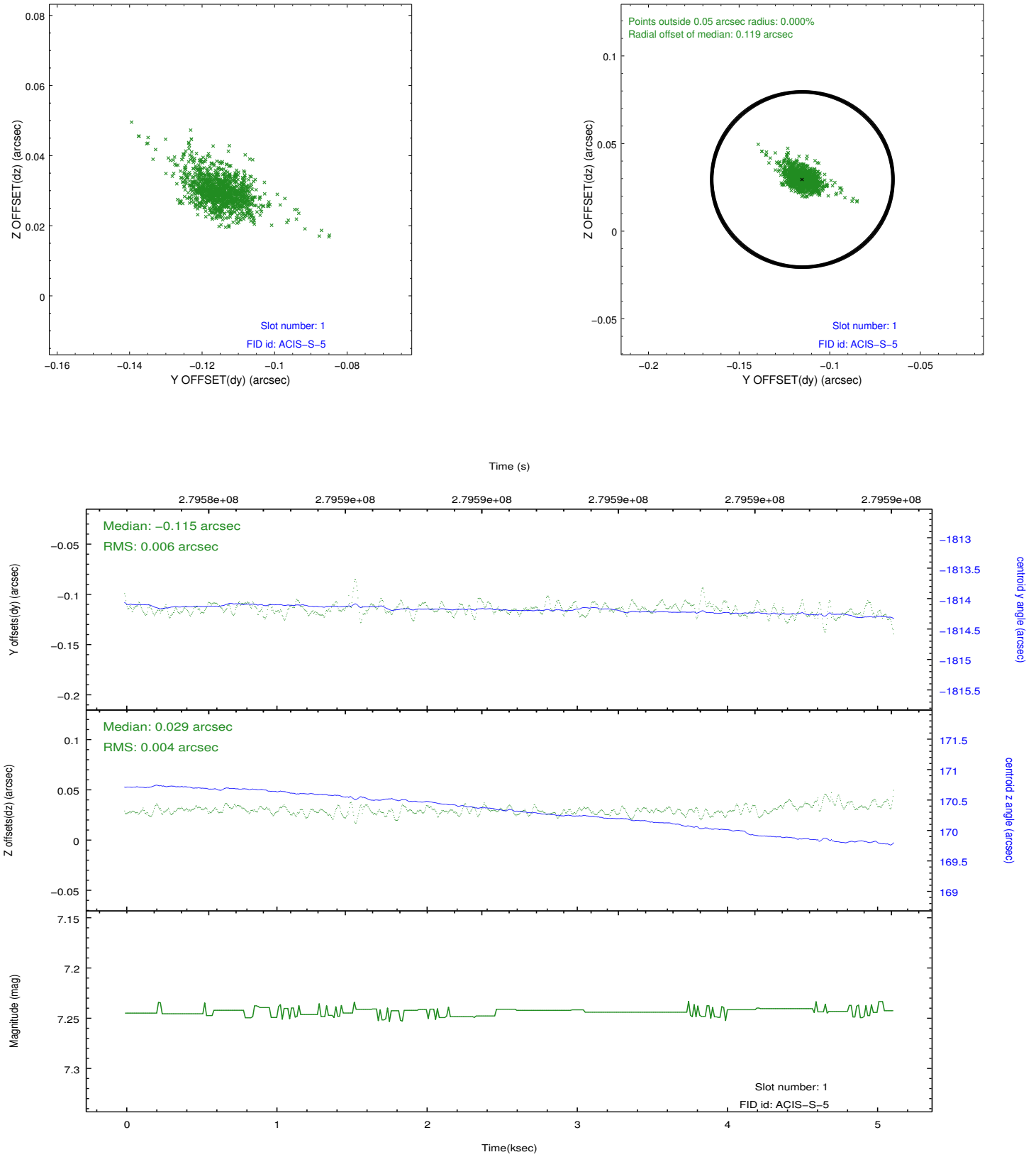


2.5 FID Slots

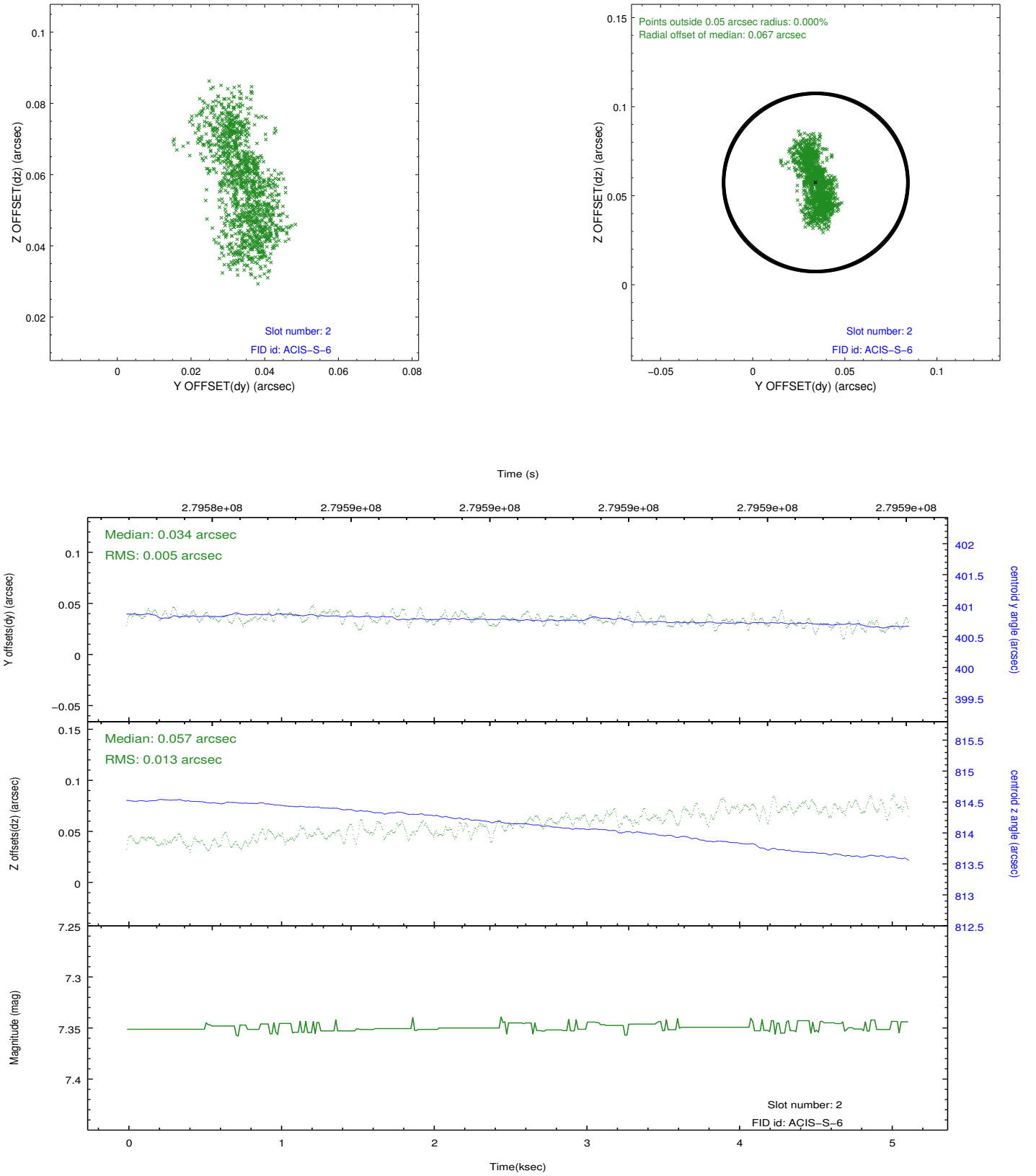
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.11909991

A.2 Comments