

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6917 - L2 Version 2
Chandra X-Ray Center

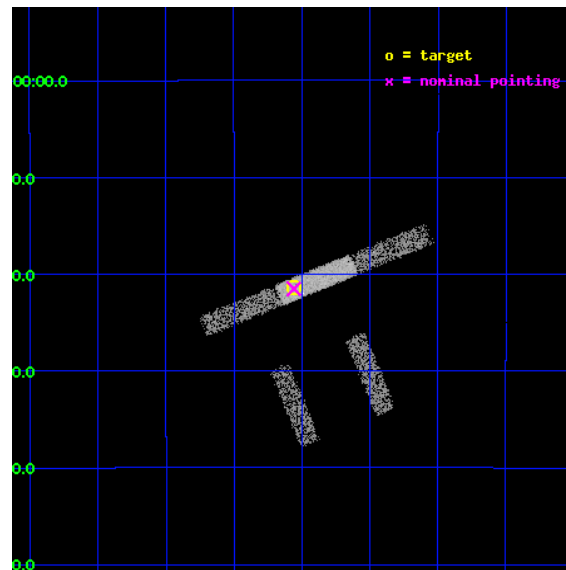
L2 Processing Date : Mar 28 2012

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1 Front

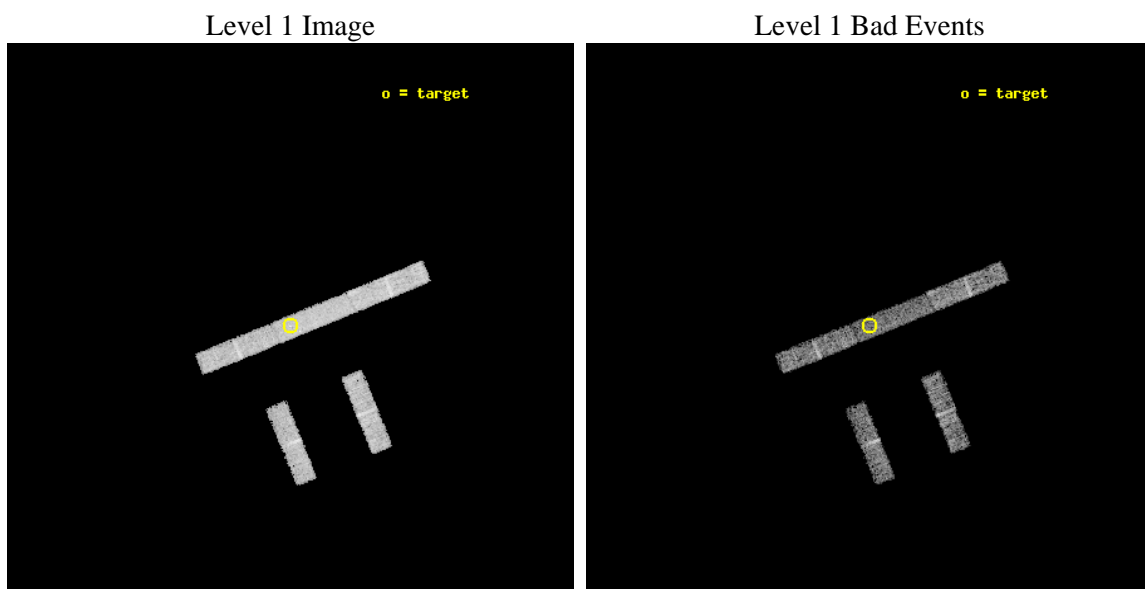
seq_num	701332	Sequence number
obs_id	6917	Observation id
title	Studying the Spatial Structures of the Optical and X-ray Emission Regions of Quasars by Monitoring Microlensing Events	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	HE 1104-1805	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	166.639167	Observer's specified target RA [deg]
dec_targ	-18.356722	Observer's specified target Dec [deg]
ra_nom	166.63968748497	Nominal RA [deg]
dec_nom	-18.358791882586	Nominal Dec [deg]
roll_nom	337.85988629286	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4736.0	Sum of GTIs [s]
livetime	4549.2968569892	Livetime [s]
ontime2	4736.0	Sum of GTIs [s]
ontime3	4736.0	Sum of GTIs [s]
ontime6	4736.0	Sum of GTIs [s]
ontime7	4736.0	Sum of GTIs [s]
ontime8	4736.0	Sum of GTIs [s]
l2events	11207	Number of level 2 events



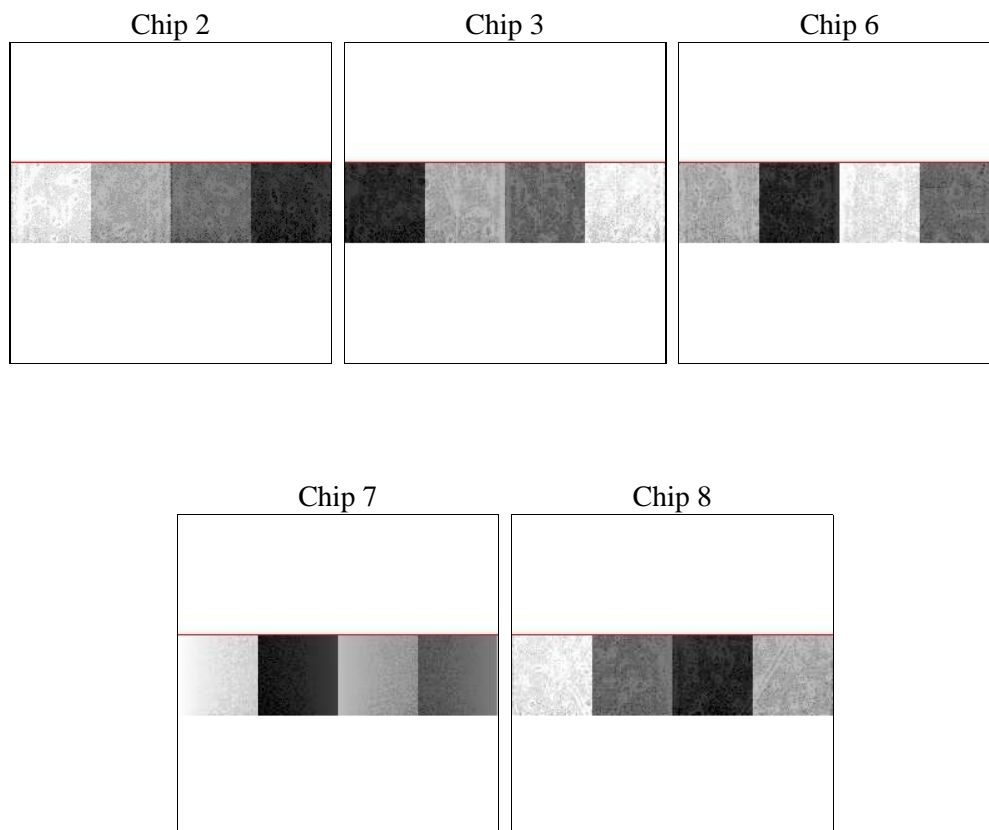
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4570.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	4736.0	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	4736.0	Sum of GTIs [s]
date	2012-03-28T03:14:19	Date and time of file creation	ontime3	4736.0	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4736.0	Sum of GTIs [s]
			ontime7	4736.0	Sum of GTIs [s]
			ontime8	4736.0	Sum of GTIs [s]
			l1events	90289	Number of level 1 events

2.1.4 Events

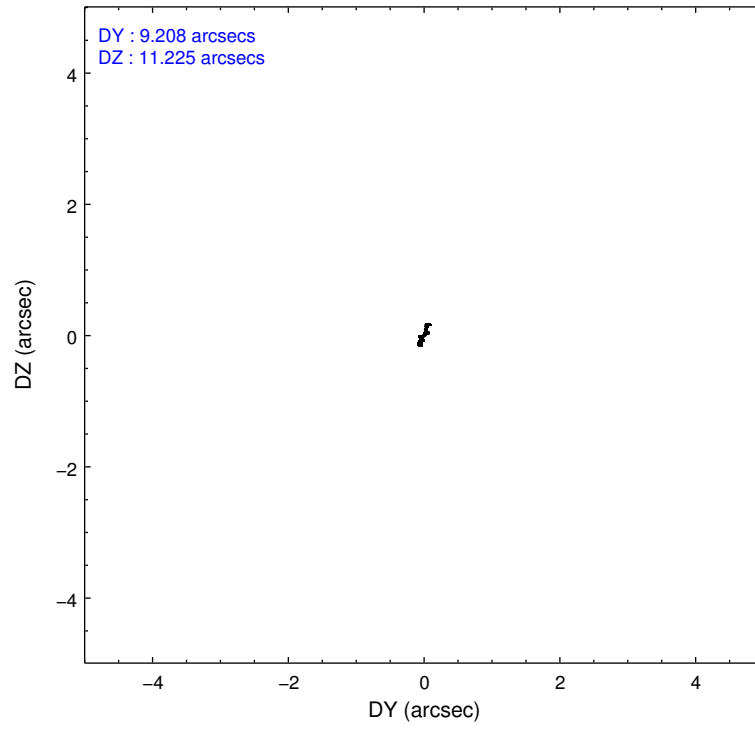
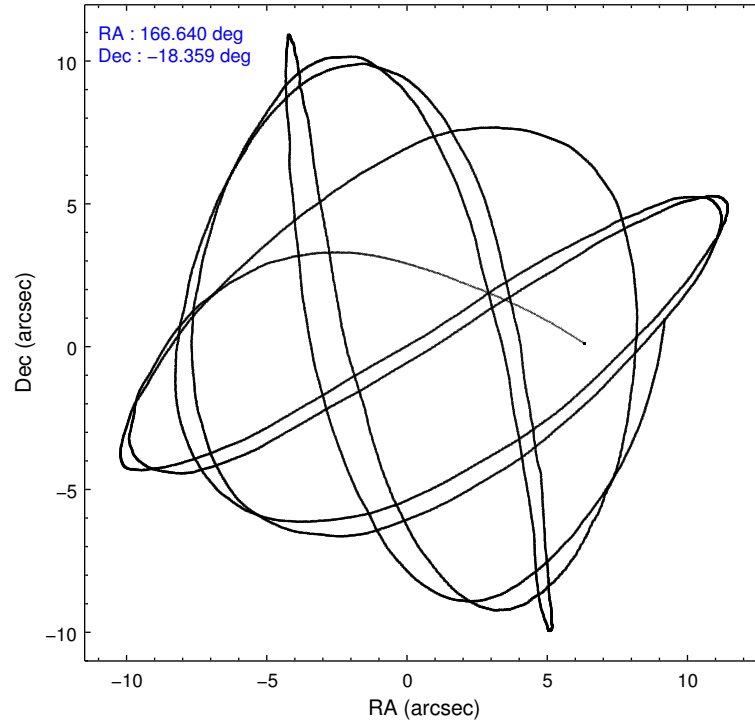
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	15080	16385	16743	20269	21812
rejected events	13737	14930	15268	13614	18496
rejected %	91%	91%	91%	67%	84%

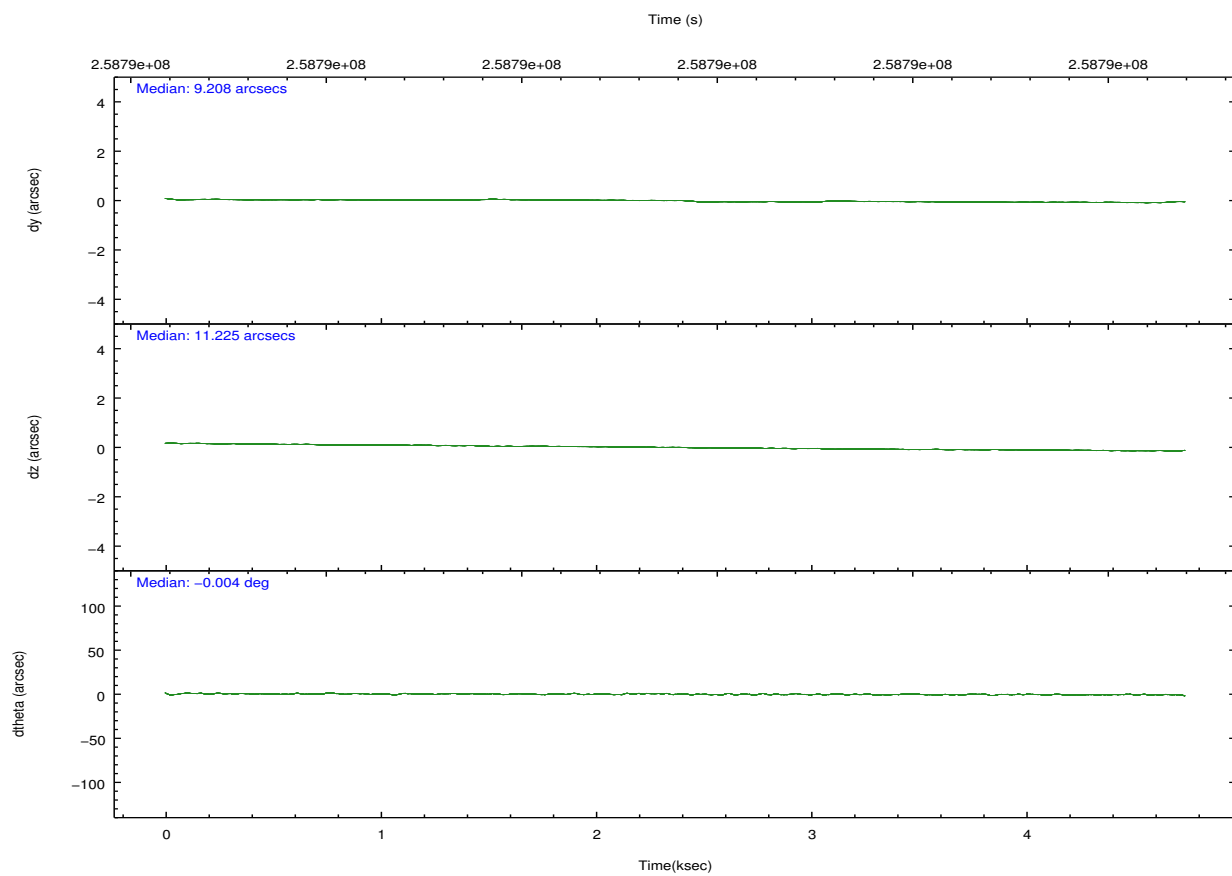
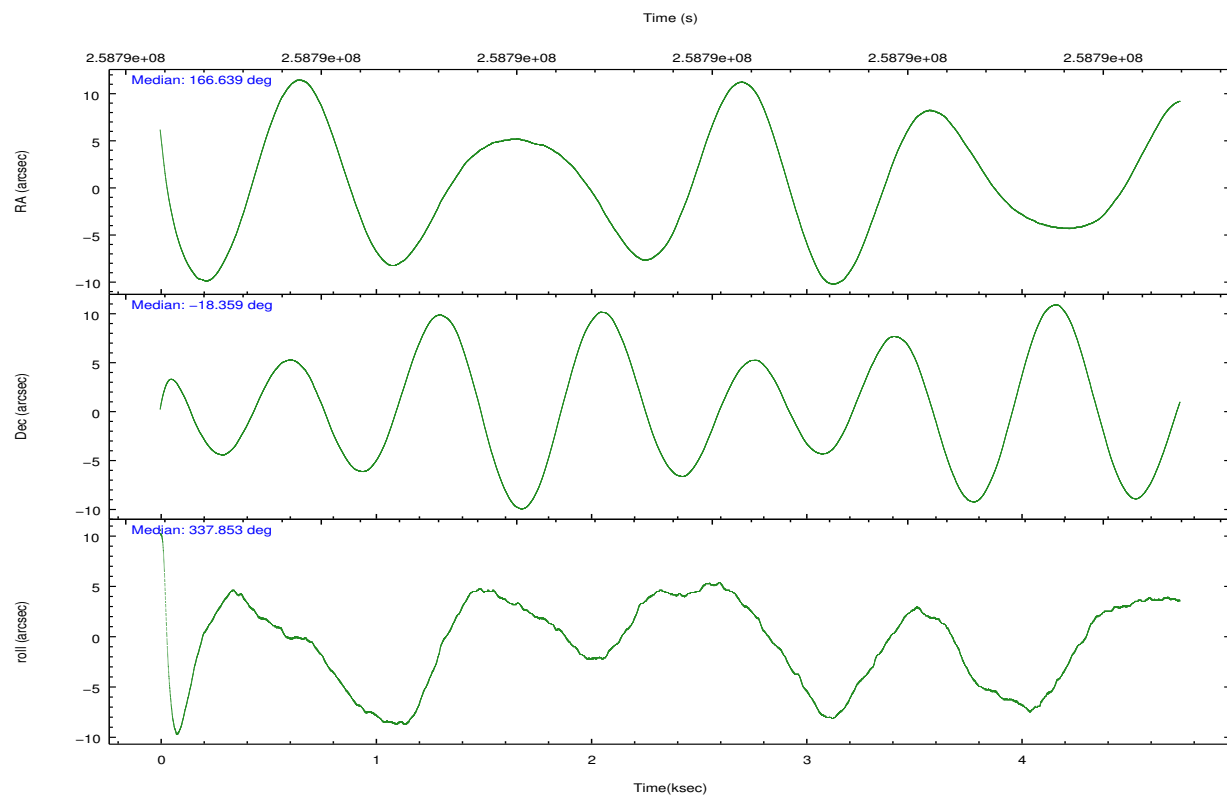
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	735	710	703	892	1166
	4%	4%	4%	4%	5%
grade 1 events	5	8	4	30	18
	0%	0%	0%	0%	0%
grade 2 events	305	357	341	1792	966
	2%	2%	2%	8%	4%
grade 3 events	237	260	281	964	438
	1%	1%	1%	4%	2%
grade 4 events	242	236	297	860	417
	1%	1%	1%	4%	1%
grade 5 events	516	575	699	1921	855
	3%	3%	4%	9%	3%
grade 6 events	247	327	333	4244	1225
	1%	1%	1%	20%	5%
grade 7 events	12793	13912	14085	9566	16727
	84%	84%	84%	47%	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	166.611351	166.6396874849663	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-18.362831	-18.35879188258625	Subarray start row	385	385
[deg] Pointing Roll	337.694274	337.8598862928619	Subarray row count	256	256
[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
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	258786579.184000	258784907.03448			
Observation start date	2006-03-15T05:08:34	2006-03-15T04:41:47			
[s] Observation end time (MET)	258791149.184000	258791988.75981			
Observation end date	2006-03-15T06:24:44	2006-03-15T06:39:48			
Read mode	TIMED	TIMED			

2.3 Aspect



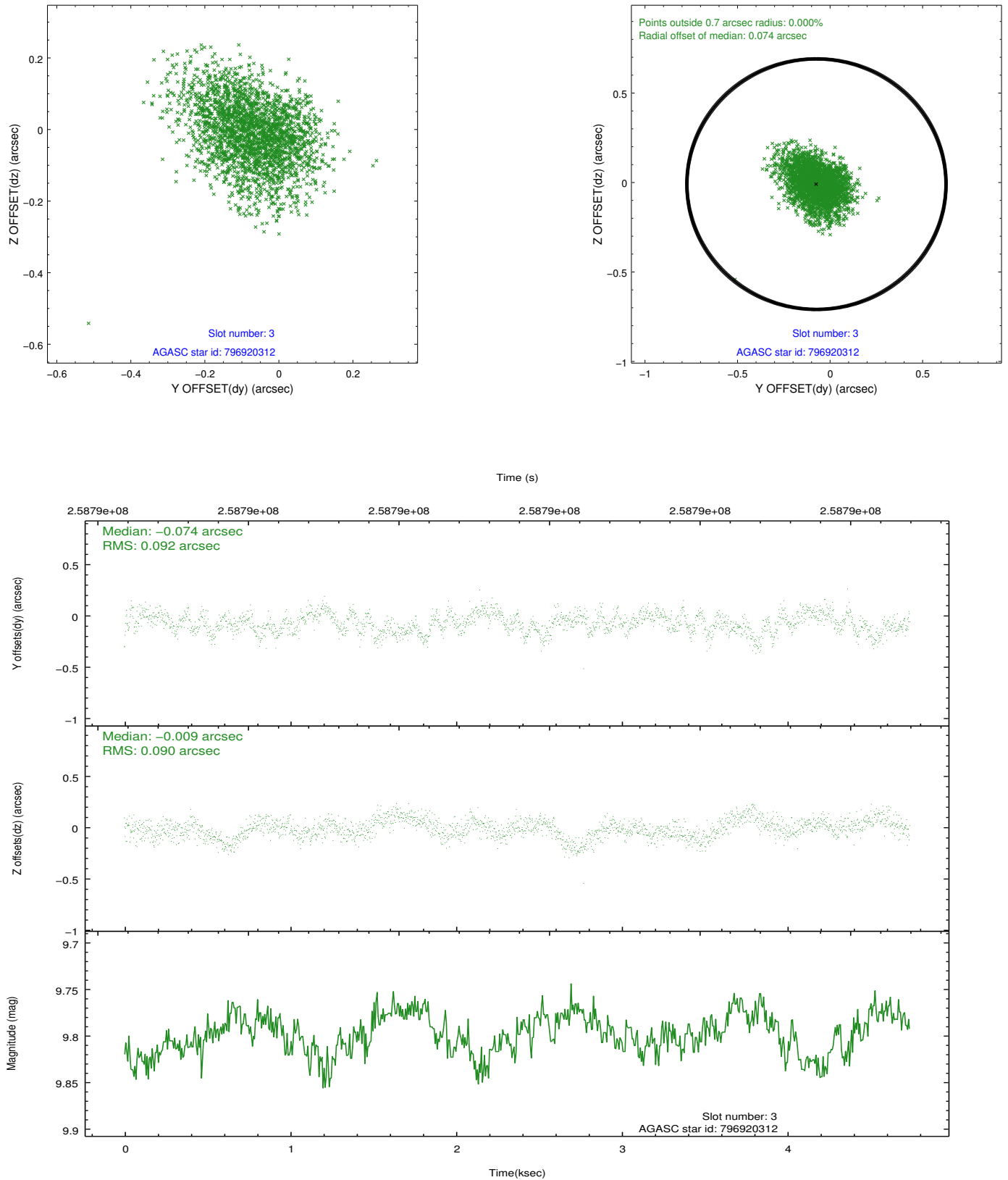


Slot Statistics

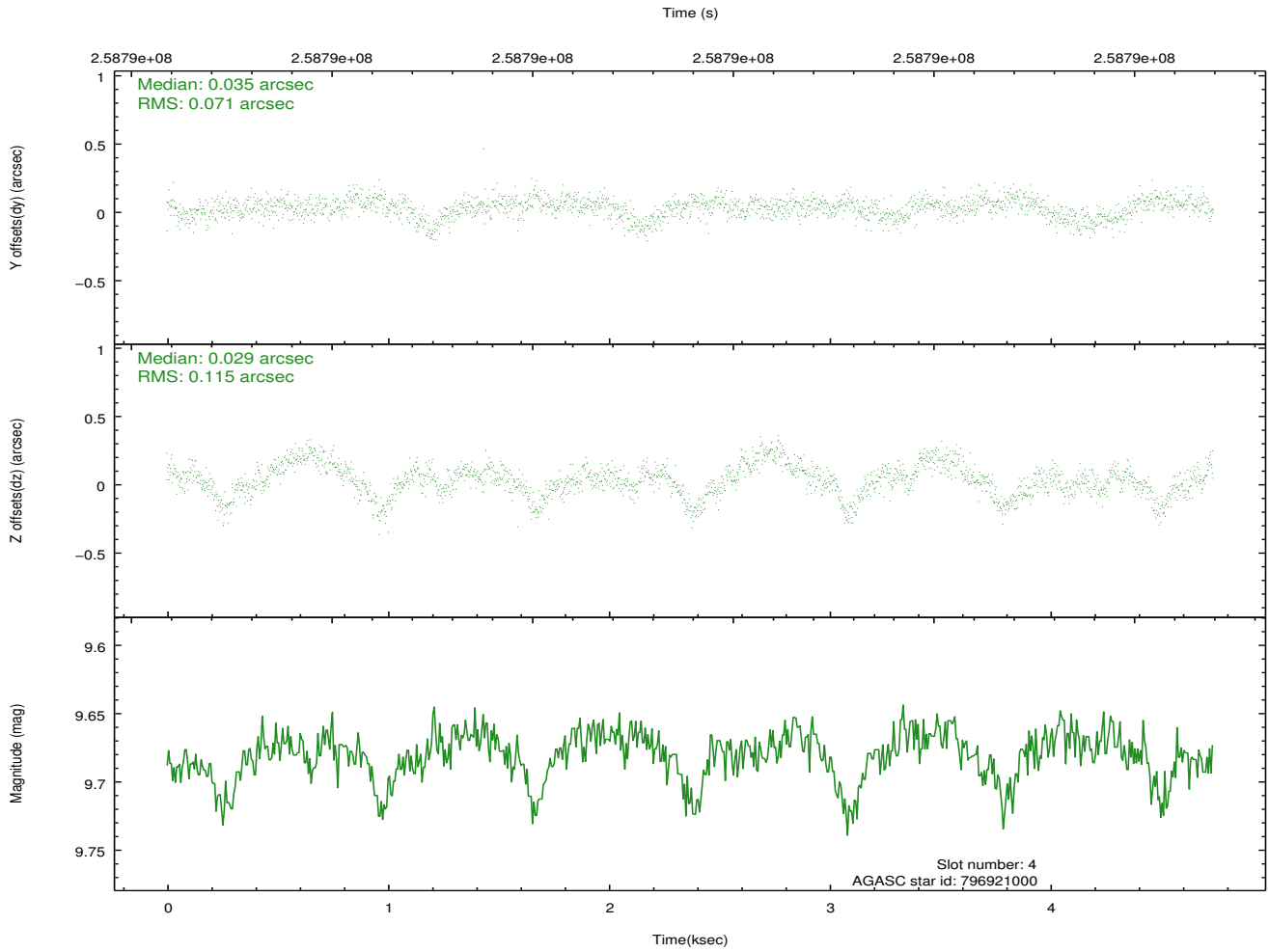
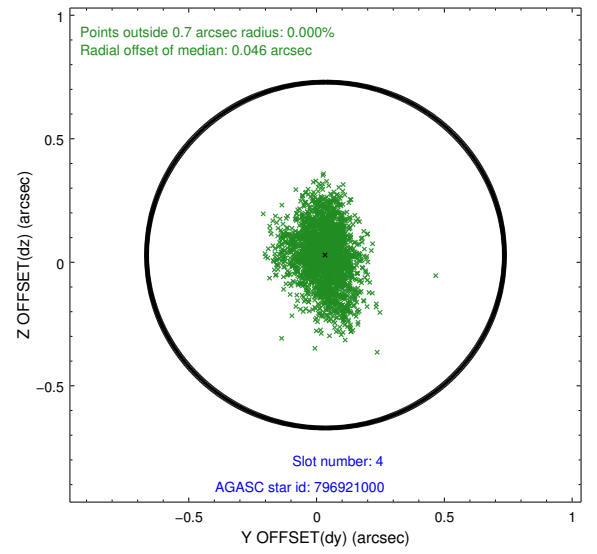
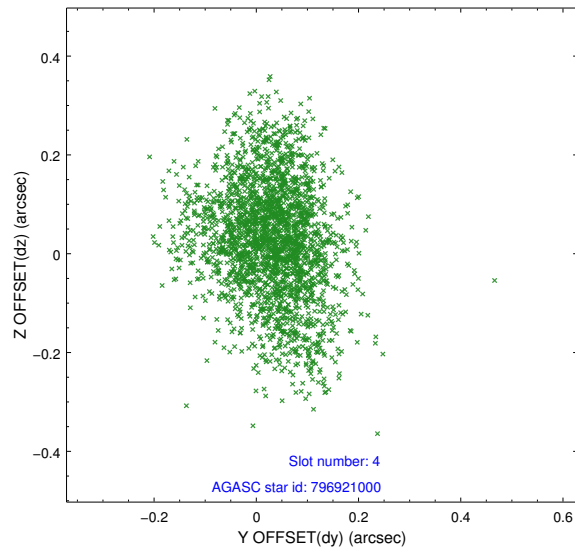
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1156	-0.083	-0.057	0.006	0.010	0.000000	0.000000	-762.10	-1732.51
1	FID	ACIS-S-4	7.21	1156	0.083	0.041	0.006	0.010	0.000000	0.000000	2150.77	174.73
2	FID	ACIS-S-6	7.35	1156	-0.028	0.023	0.007	0.011	0.000000	0.000000	401.61	813.58
3	GUIDE	796920312	9.80	2309	-0.074	-0.009	0.137	0.225	166.348213	-17.558778	-1934.05	2334.93
4	GUIDE	796921000	9.68	2308	0.035	0.029	0.141	0.241	166.658084	-18.401963	200.78	-68.17
5	GUIDE	796922952	10.01	2303	-0.027	0.087	0.130	0.218	166.412795	-18.656501	-224.20	-1234.89
6	GUIDE	796923960	9.16	2311	0.047	-0.070	0.104	0.165	167.114946	-18.113690	1254.67	1481.69
7	GUIDE	796928880	9.90	2310	0.027	-0.035	0.119	0.200	166.621408	-18.801010	631.95	-1446.38

2.4 Star Slots

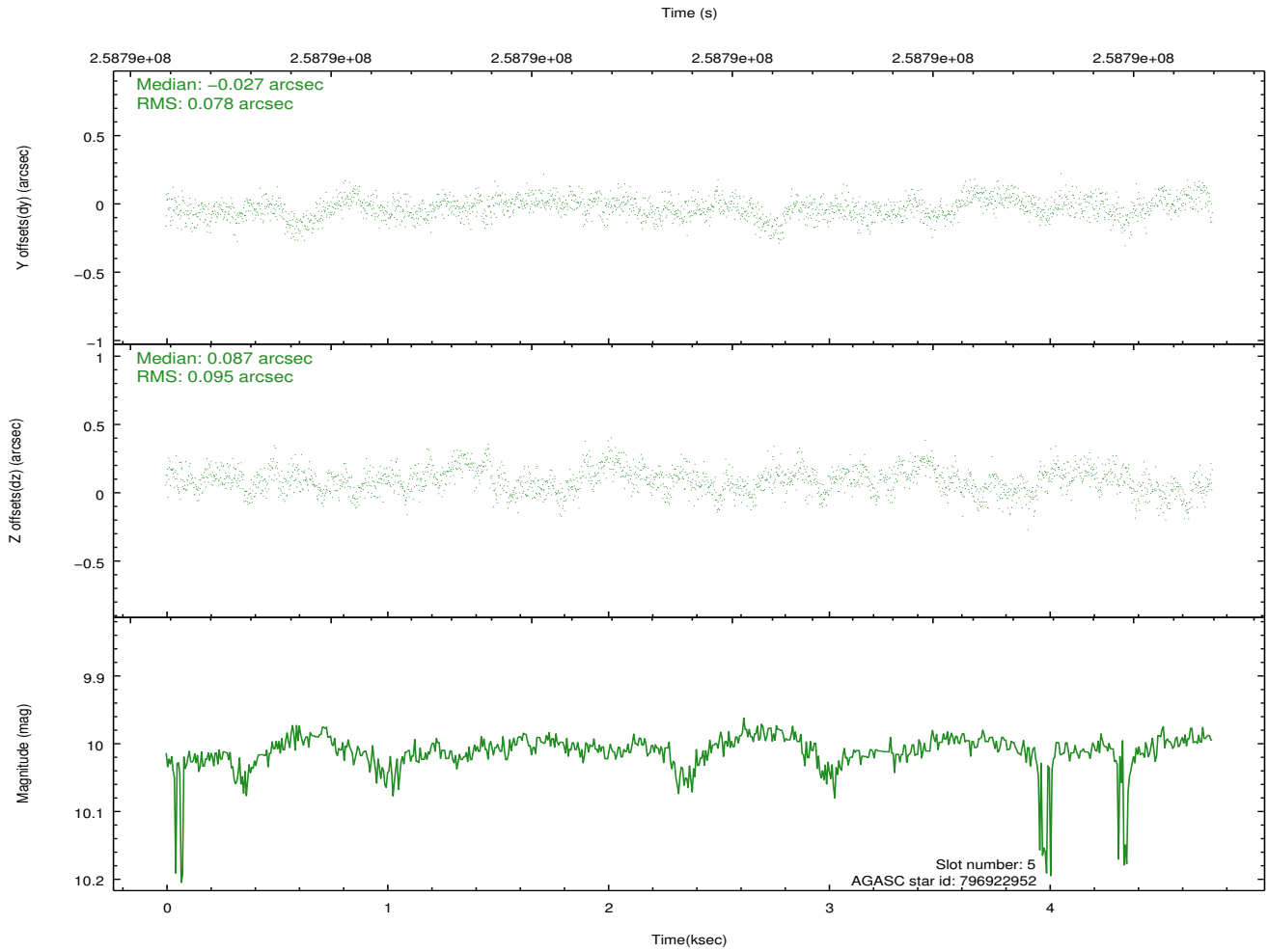
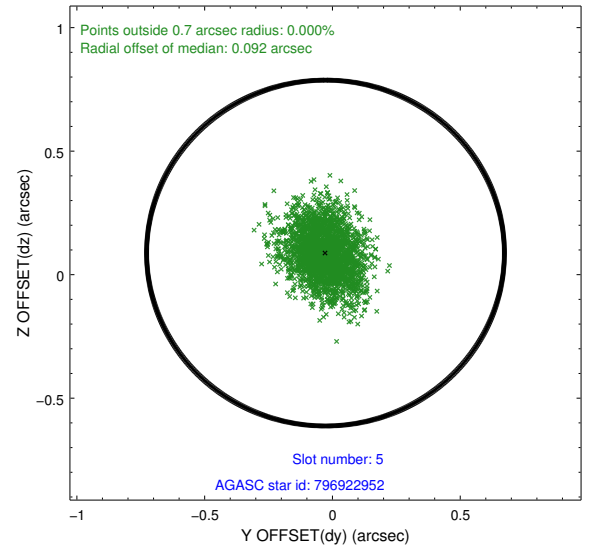
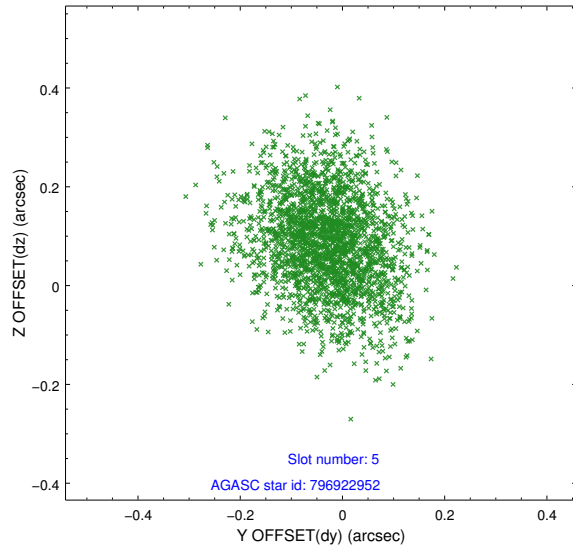
2.4.1 Slot 3



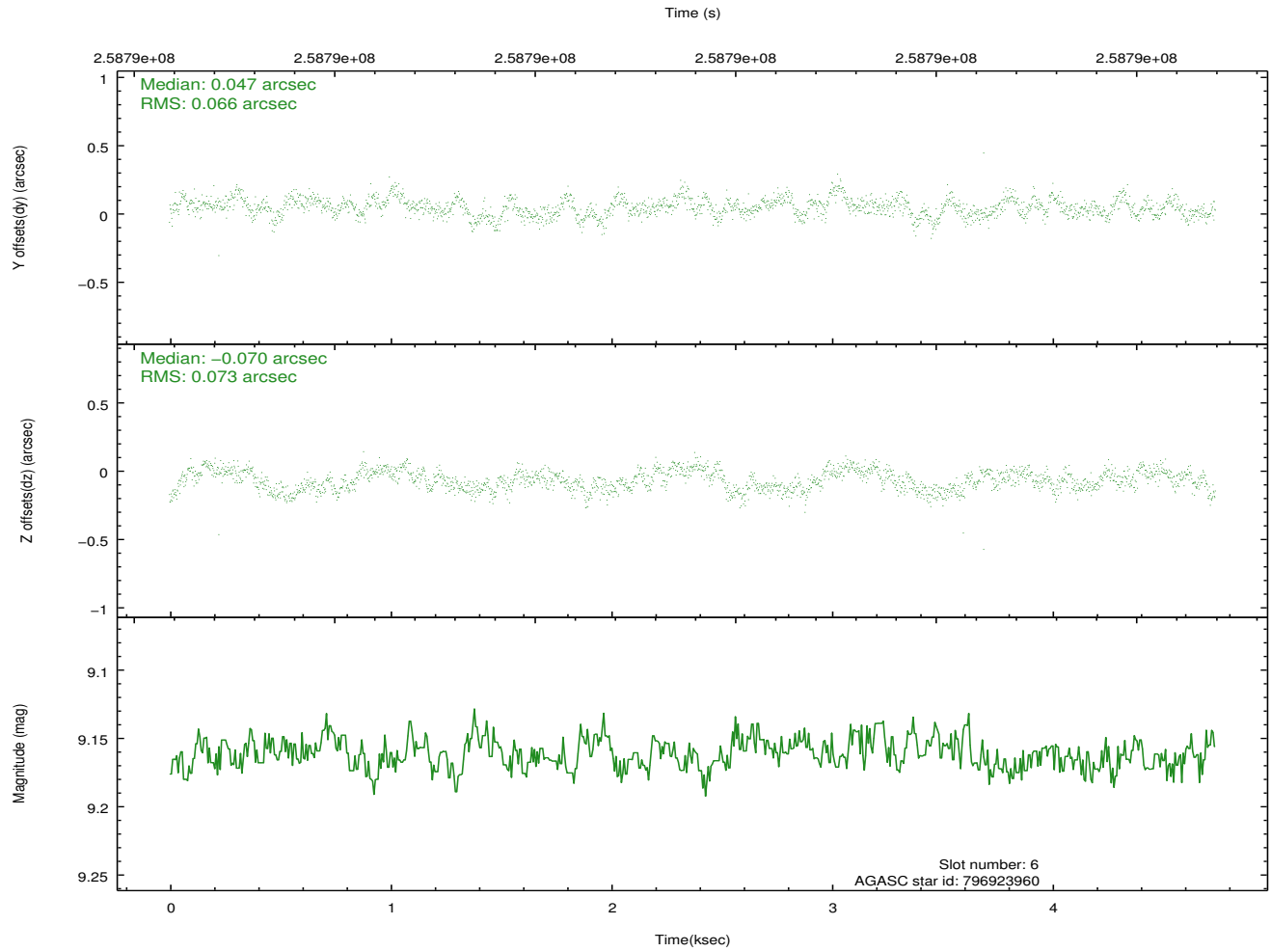
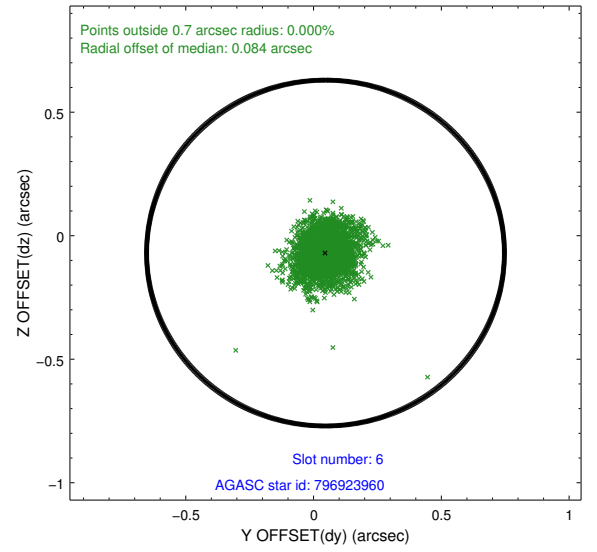
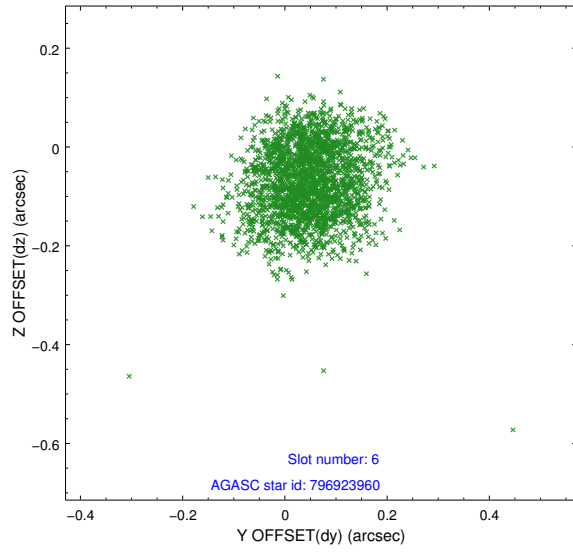
2.4.2 Slot 4



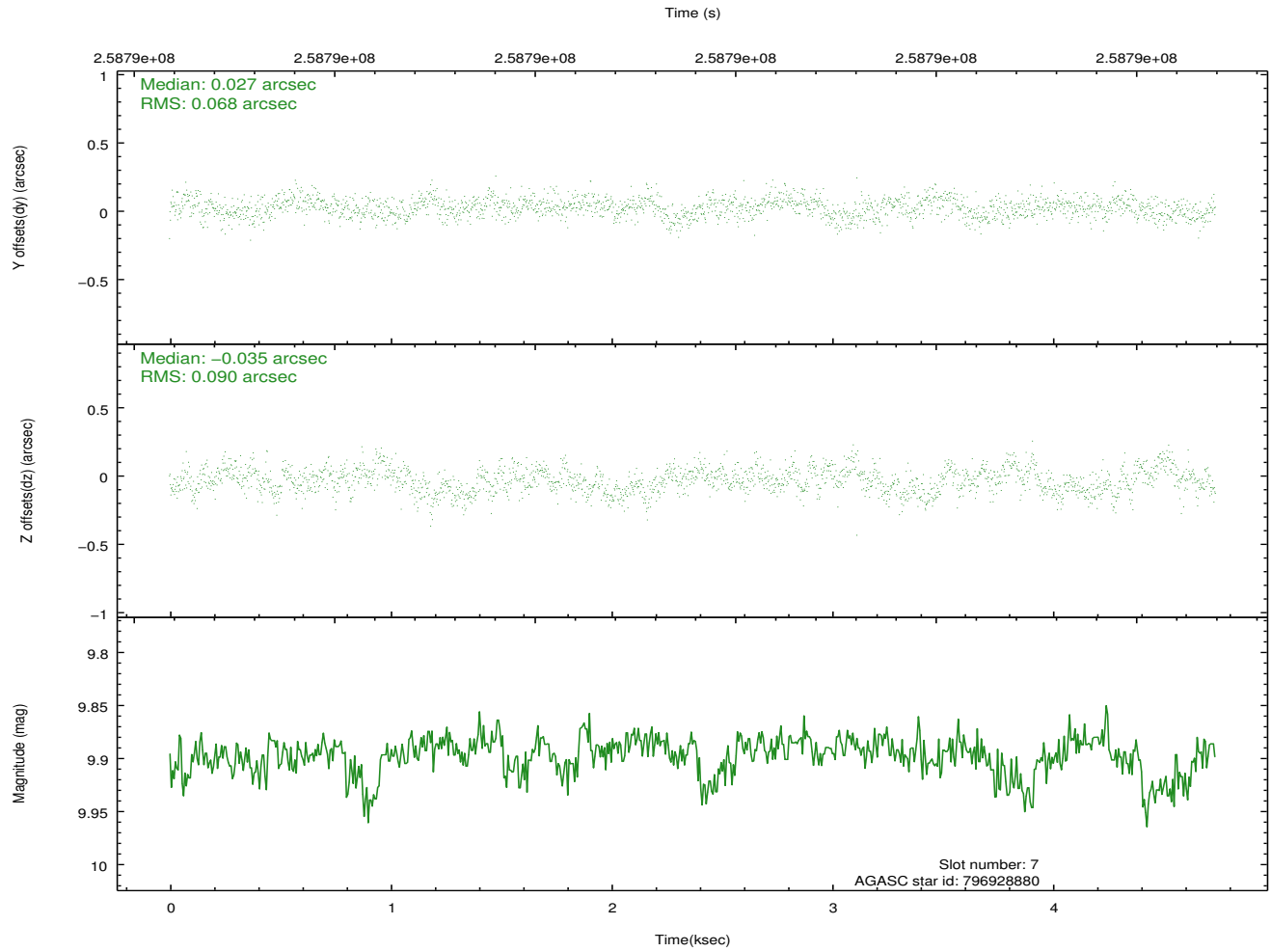
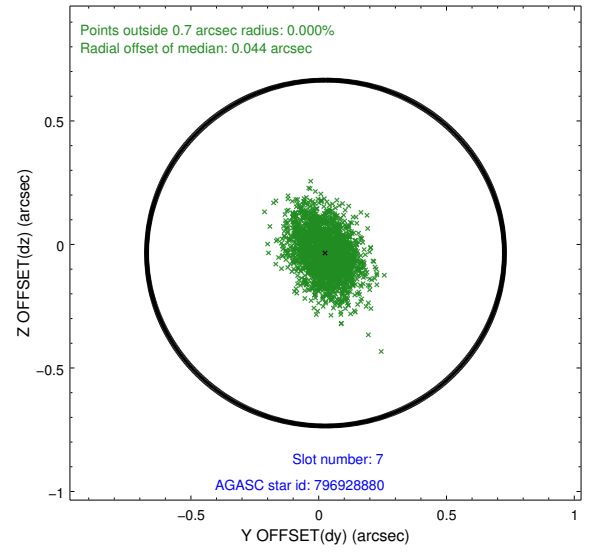
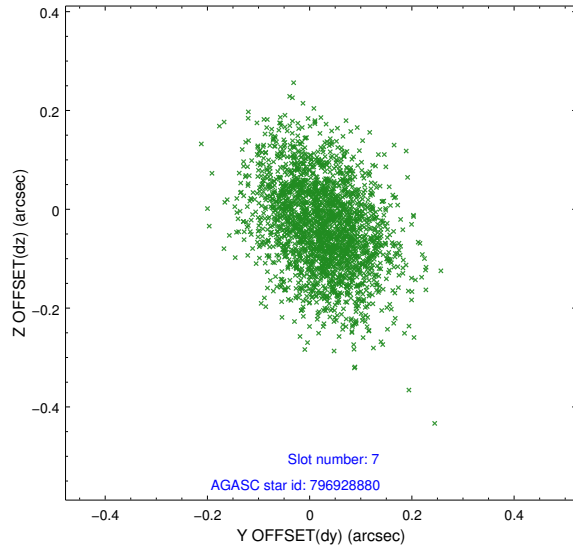
2.4.3 Slot 5



2.4.4 Slot 6

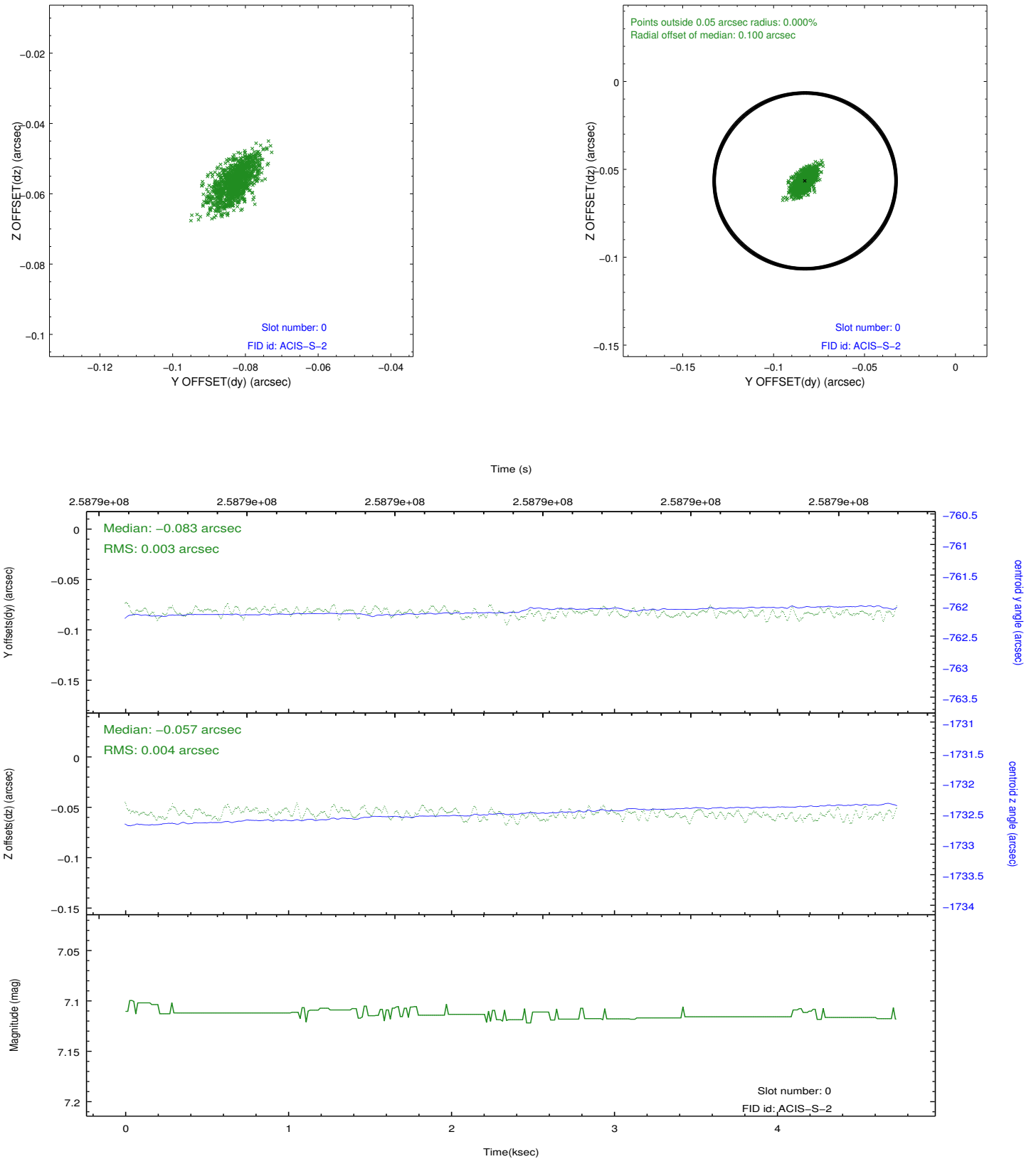


2.4.5 Slot 7

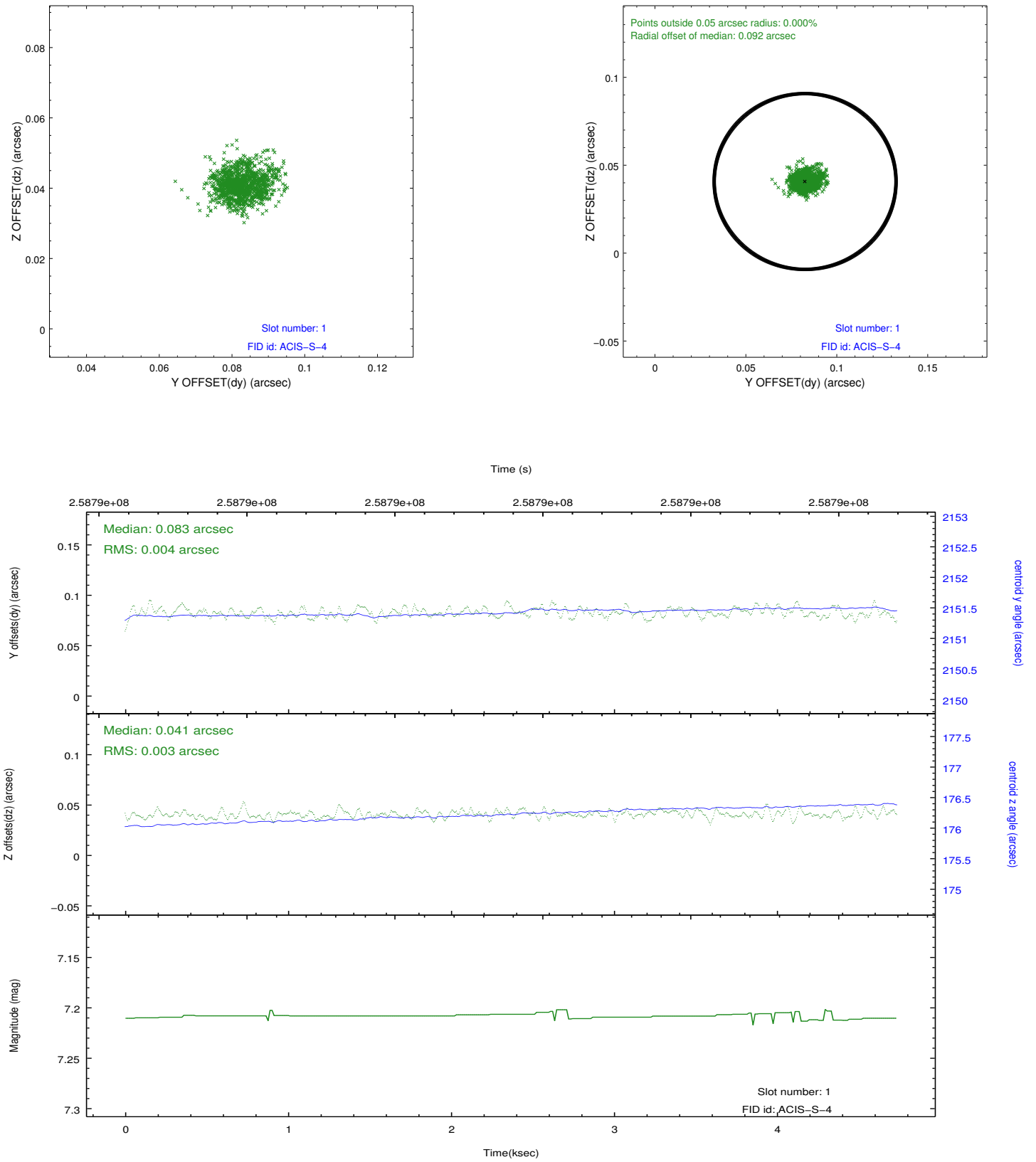


2.5 FID Slots

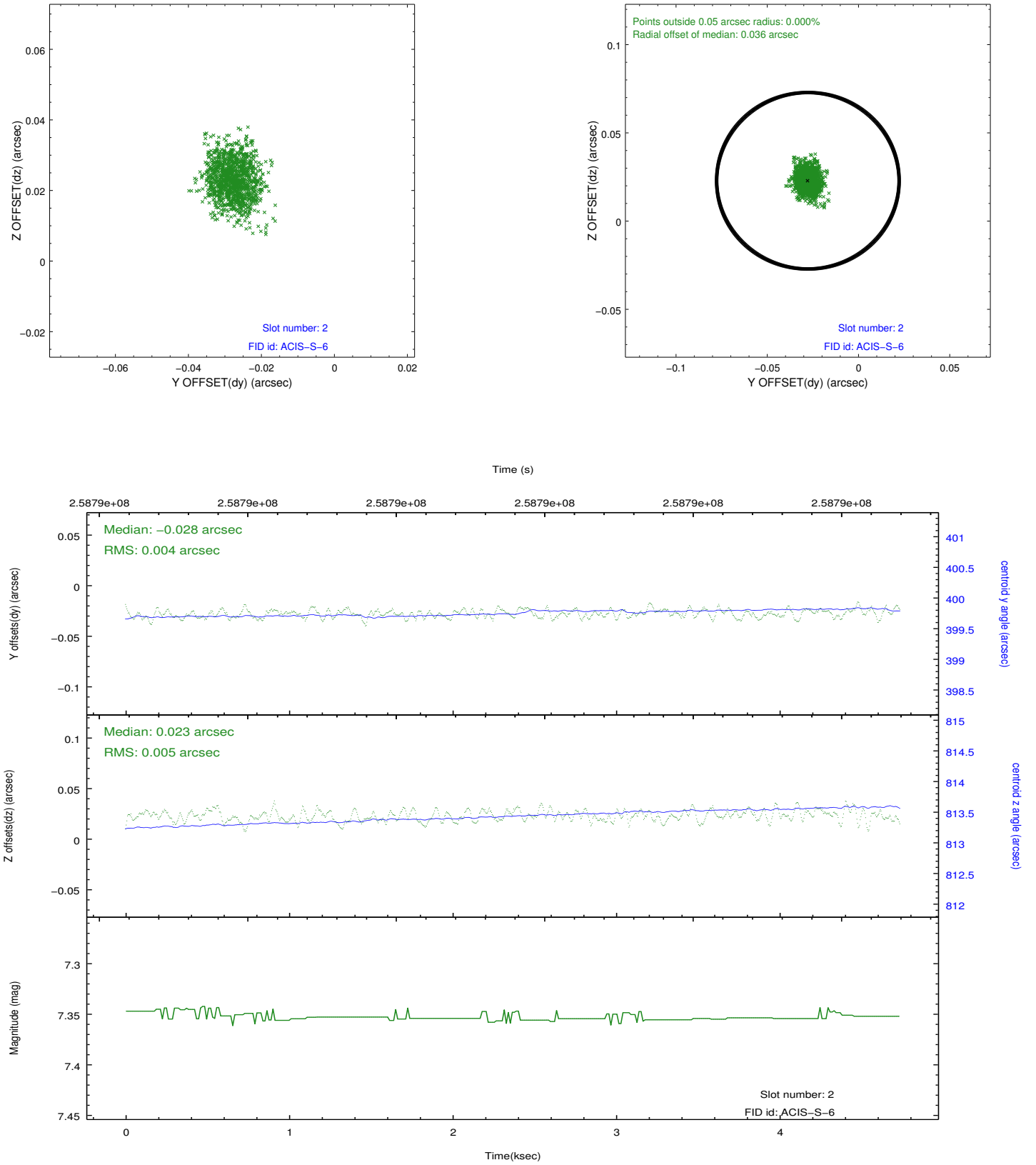
2.5.1 Slot 0



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	4.736

A.2 Comments

Preferred window not met.