

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4090 - L2 Version 3
Chandra X-Ray Center

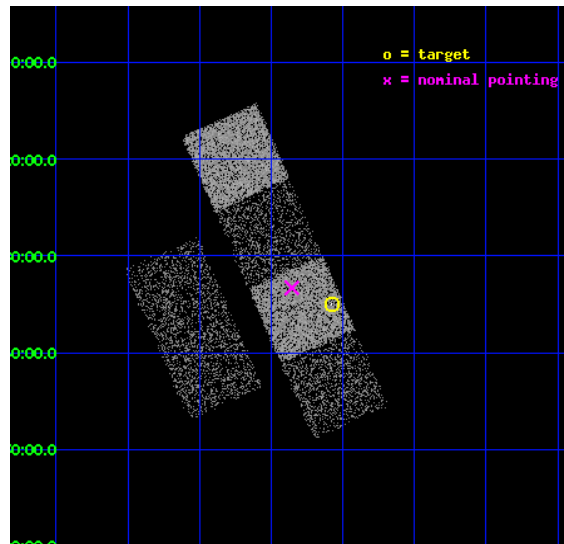
L2 Processing Date : Oct 20 2012

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1 Front

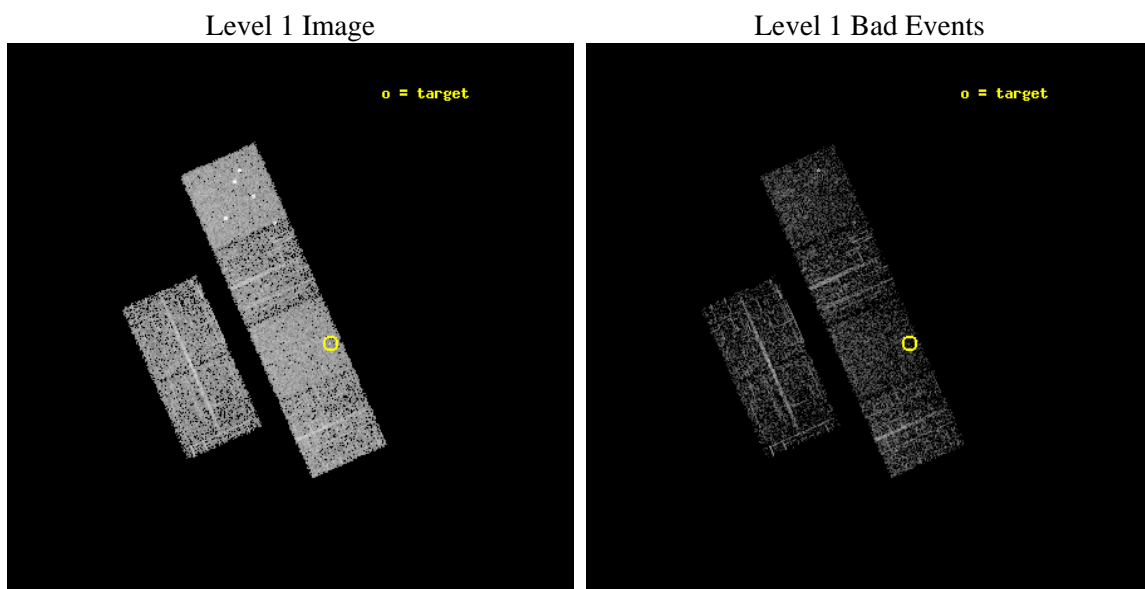
seq_num	700769	Sequence number
obs_id	4090	Observation id
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?	Proposal t
observer	Prof RICHARD POGGE	Principal investigator
object	SDSS J141234.68-003500.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	213.144583	Observer's specified target RA [deg]
dec_targ	-0.583333	Observer's specified target Dec [deg]
ra_nom	213.21373291366	Nominal RA [deg]
dec_nom	-0.55514265253882	Nominal Dec [deg]
roll_nom	66.148442773544	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2121.5999920964	Sum of GTIs [s]
livetime	2094.7350155224	Livetime [s]
ontime2	2121.5999920964	Sum of GTIs [s]
ontime3	2121.5999920964	Sum of GTIs [s]
ontime5	2121.5999920964	Sum of GTIs [s]
ontime6	2121.5999920964	Sum of GTIs [s]
ontime7	2121.5999920964	Sum of GTIs [s]
ontime8	2121.5999920964	Sum of GTIs [s]
l2events	20929	Number of level 2 events



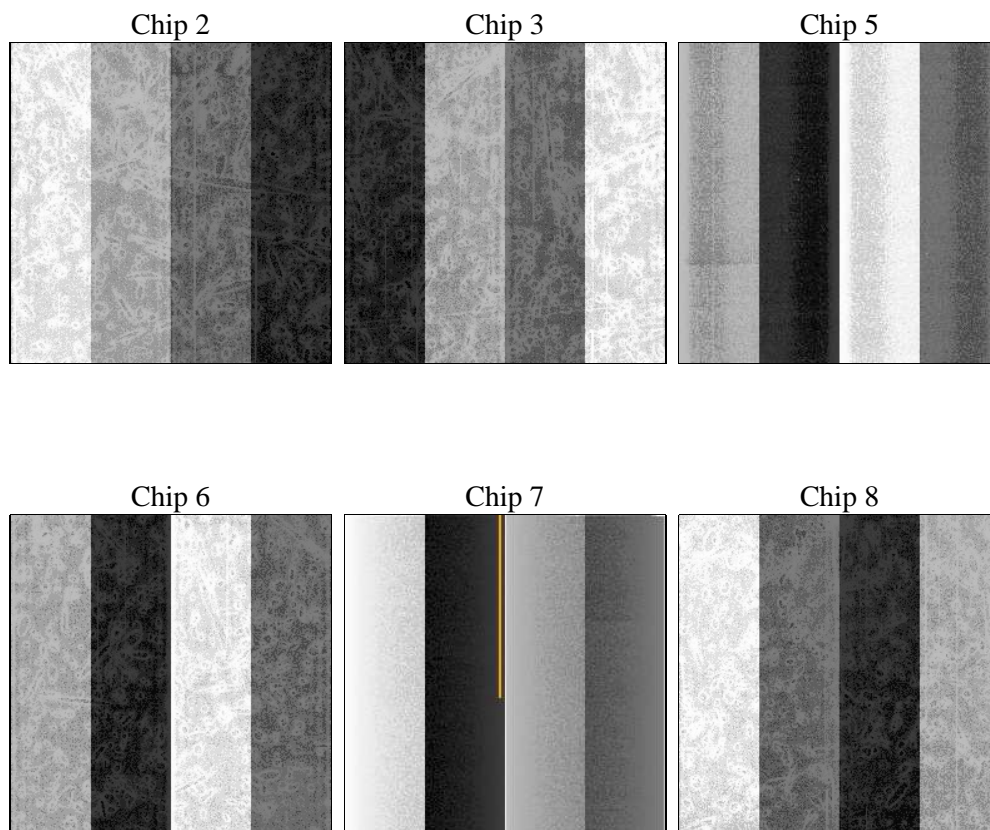
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2121.5999920964	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	2121.5999920964	Sum of GTIs [s]
date	2012-10-20T16:41:01	Date and time of file creation	ontime3	2121.5999920964	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2121.5999920964	Sum of GTIs [s]
			ontime6	2121.5999920964	Sum of GTIs [s]
			ontime7	2121.5999920964	Sum of GTIs [s]
			ontime8	2121.5999920964	Sum of GTIs [s]
			l1events	101240	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	14542	13183	22695	14467	18818	17535
rejected events	12990	11678	12177	12963	11344	14224
rejected %	89%	88%	53%	89%	60%	81%

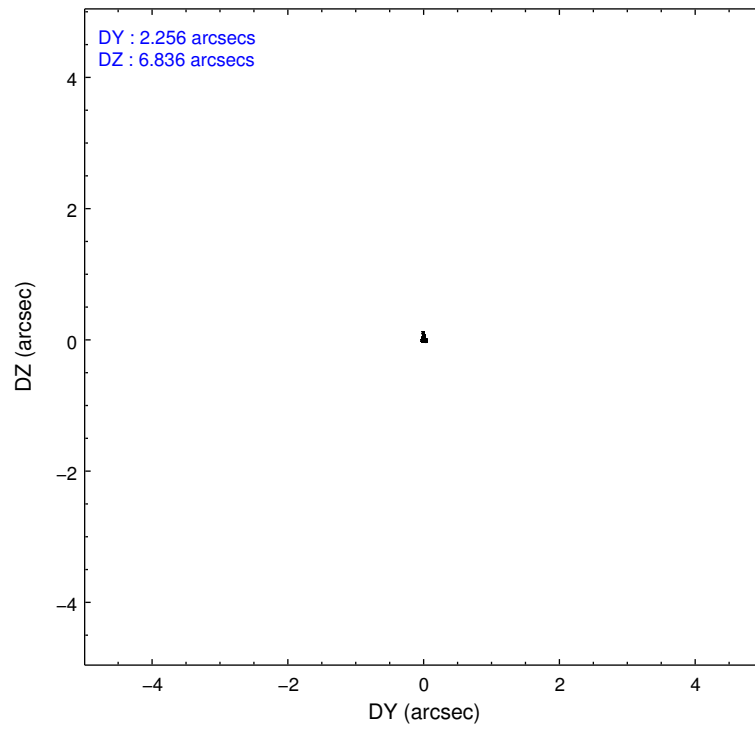
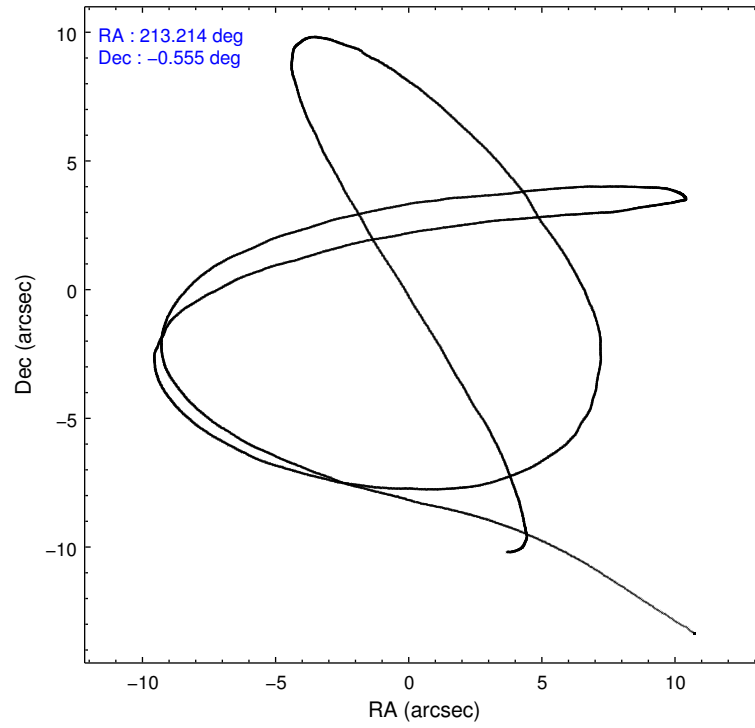
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	744	667	2622	635	776	1192
	5%	5%	11%	4%	4%	6%
grade 1 events	8	14	69	8	19	12
	0%	0%	0%	0%	0%	0%
grade 2 events	326	314	2929	335	1519	720
	2%	2%	12%	2%	8%	4%
grade 3 events	149	160	404	142	735	361
	1%	1%	1%	0%	3%	2%
grade 4 events	153	162	367	145	713	364
	1%	1%	1%	1%	3%	2%
grade 5 events	531	563	1526	552	1761	791
	3%	4%	6%	3%	9%	4%
grade 6 events	253	288	4895	336	4191	843
	1%	2%	21%	2%	22%	4%
grade 7 events	12378	11015	9883	12314	9104	13252
	85%	83%	43%	85%	48%	75%

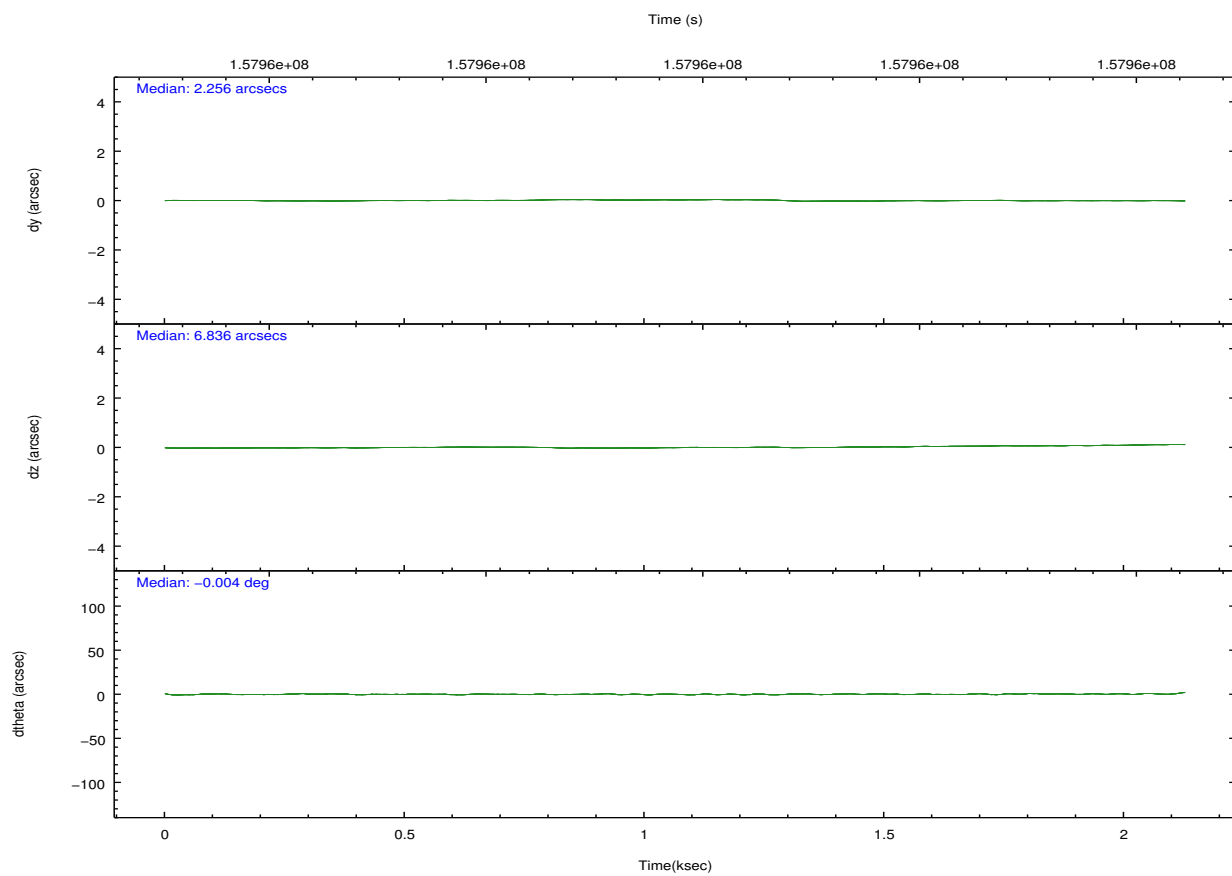
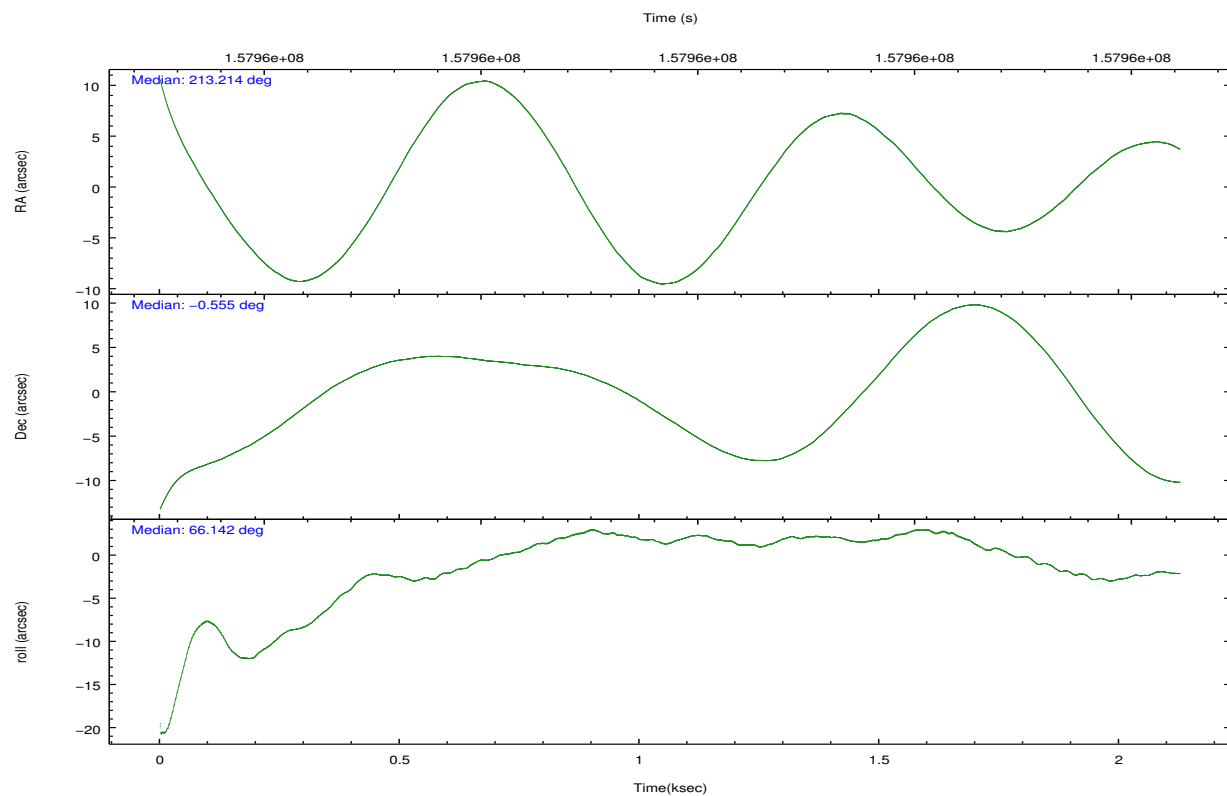
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	213.217053	213.2137329136562
[deg] Pointing Dec	-0.582030	-0.5551426525388234
[deg] Pointing Roll	65.991921	66.14844277354439
[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)	157956001.184000	157954898.16266
Observation start date	2003-01-03T04:38:57	2003-01-03T04:21:38
[s] Observation end time (MET)	157958001.184000	157958380.08781
Observation end date	2003-01-03T05:12:17	2003-01-03T05:19:40
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



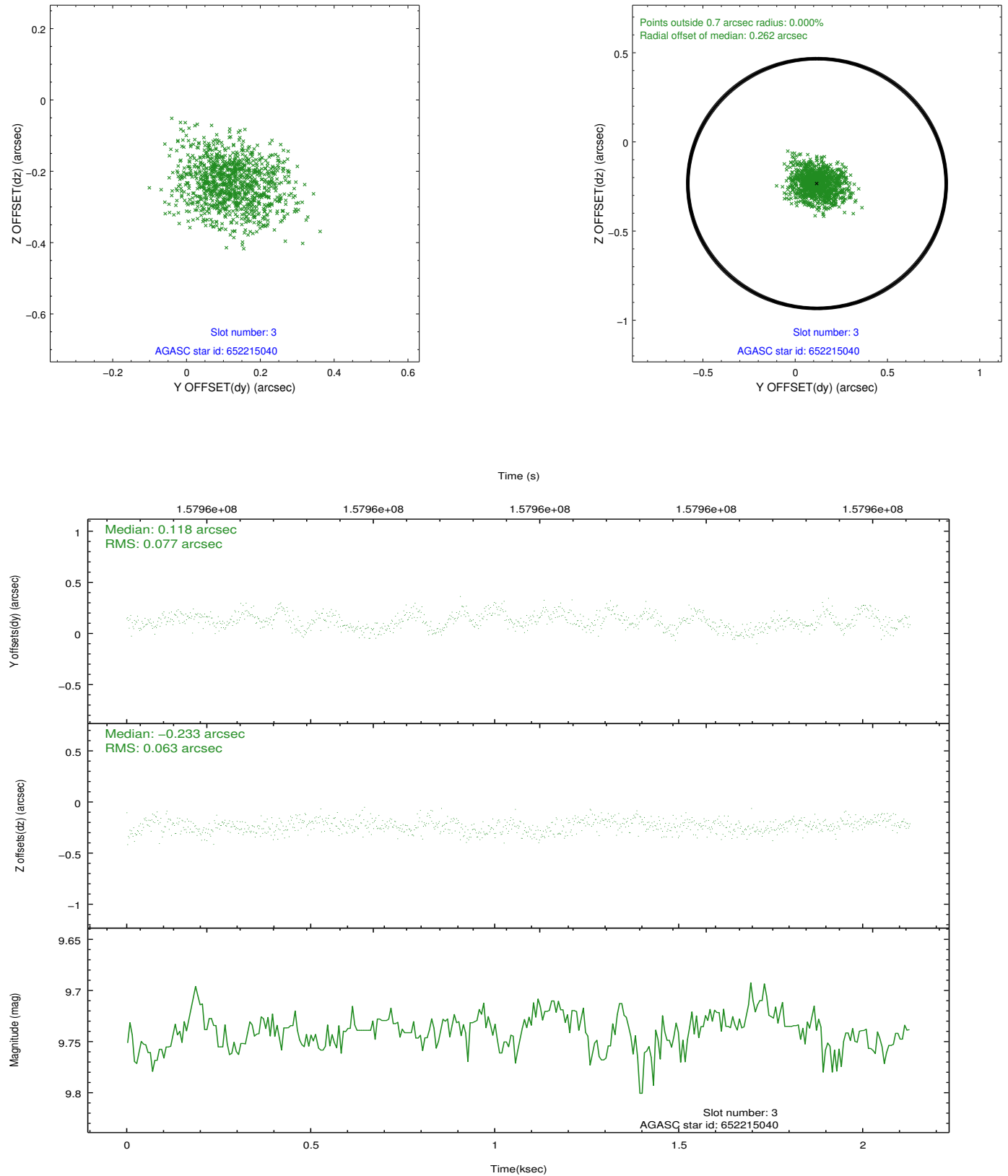


Slot Statistics

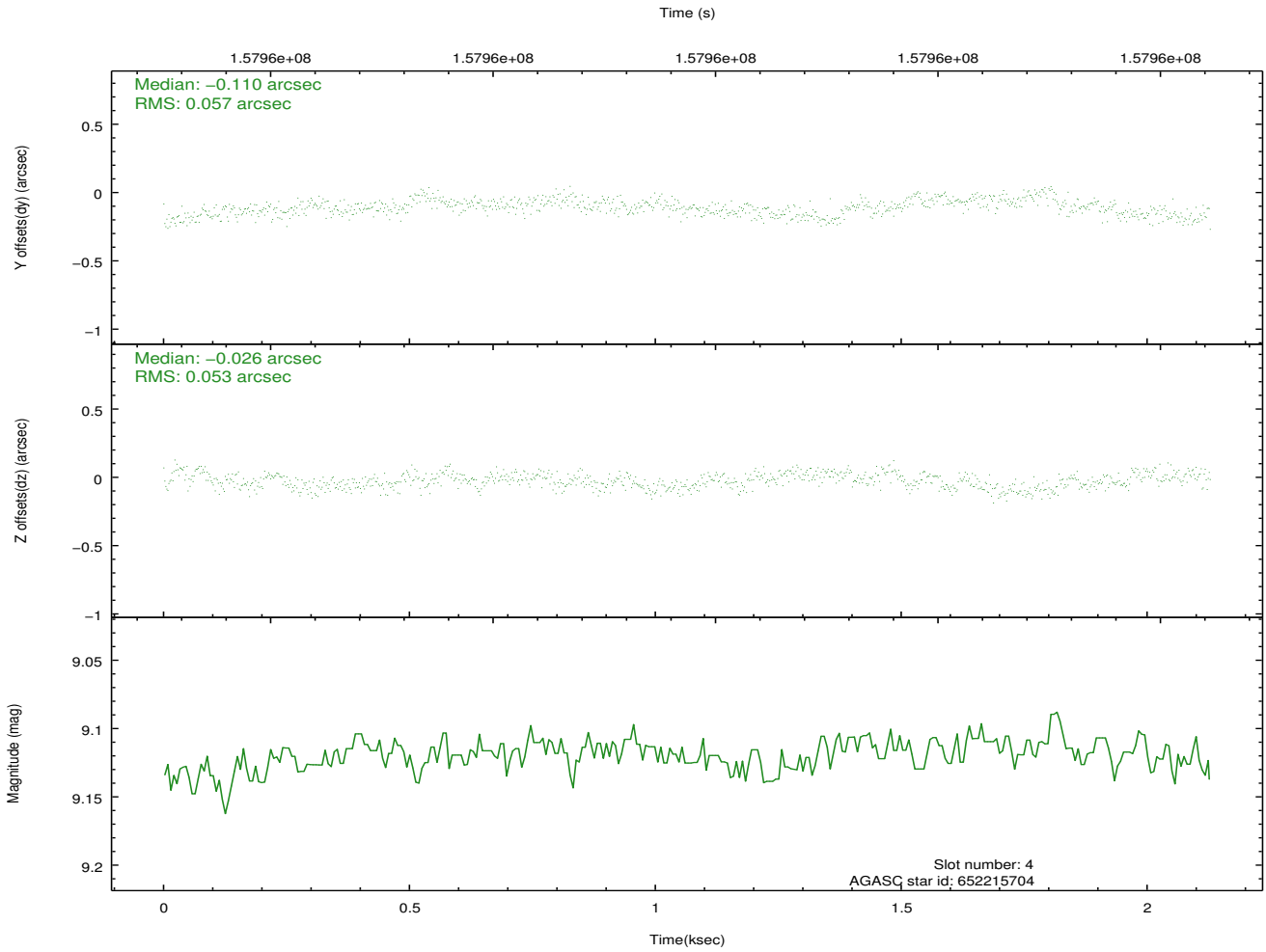
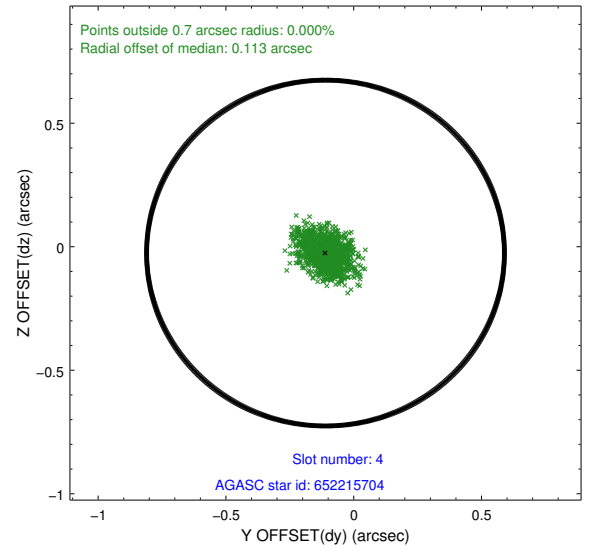
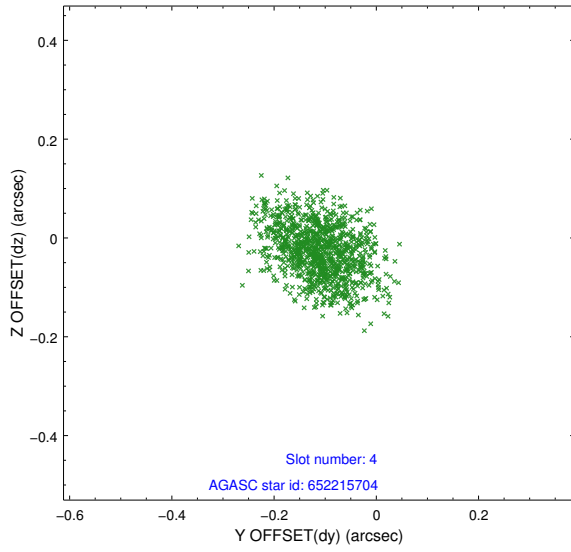
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	519	-0.033	0.006	0.006	0.010	0.000000	0.000000	-754.90	-1728.01
1	FID	ACIS-S-4	7.20	519	-0.015	0.014	0.005	0.009	0.000000	0.000000	2157.00	177.33
2	FID	ACIS-S-5	7.24	519	0.016	-0.011	0.006	0.009	0.000000	0.000000	-1803.75	174.45
3	GUIDE	652215040	9.74	1038	0.118	-0.233	0.108	0.174	212.795459	-0.676910	-928.76	1247.32
4	GUIDE	652215704	9.12	1039	-0.110	-0.026	0.085	0.133	213.594661	-0.601169	490.09	-1268.21
5	GUIDE	652217496	10.44	1039	0.324	0.054	0.141	0.229	213.417741	-1.340047	-2197.19	-1771.26
6	GUIDE	652219312	9.99	1039	-0.176	0.121	0.114	0.189	214.017381	-0.315458	2047.62	-2242.63
7	GUIDE	652218384	9.70	1036	-0.158	0.080	0.119	0.194	214.051812	-0.360037	1955.57	-2421.66

2.4 Star Slots

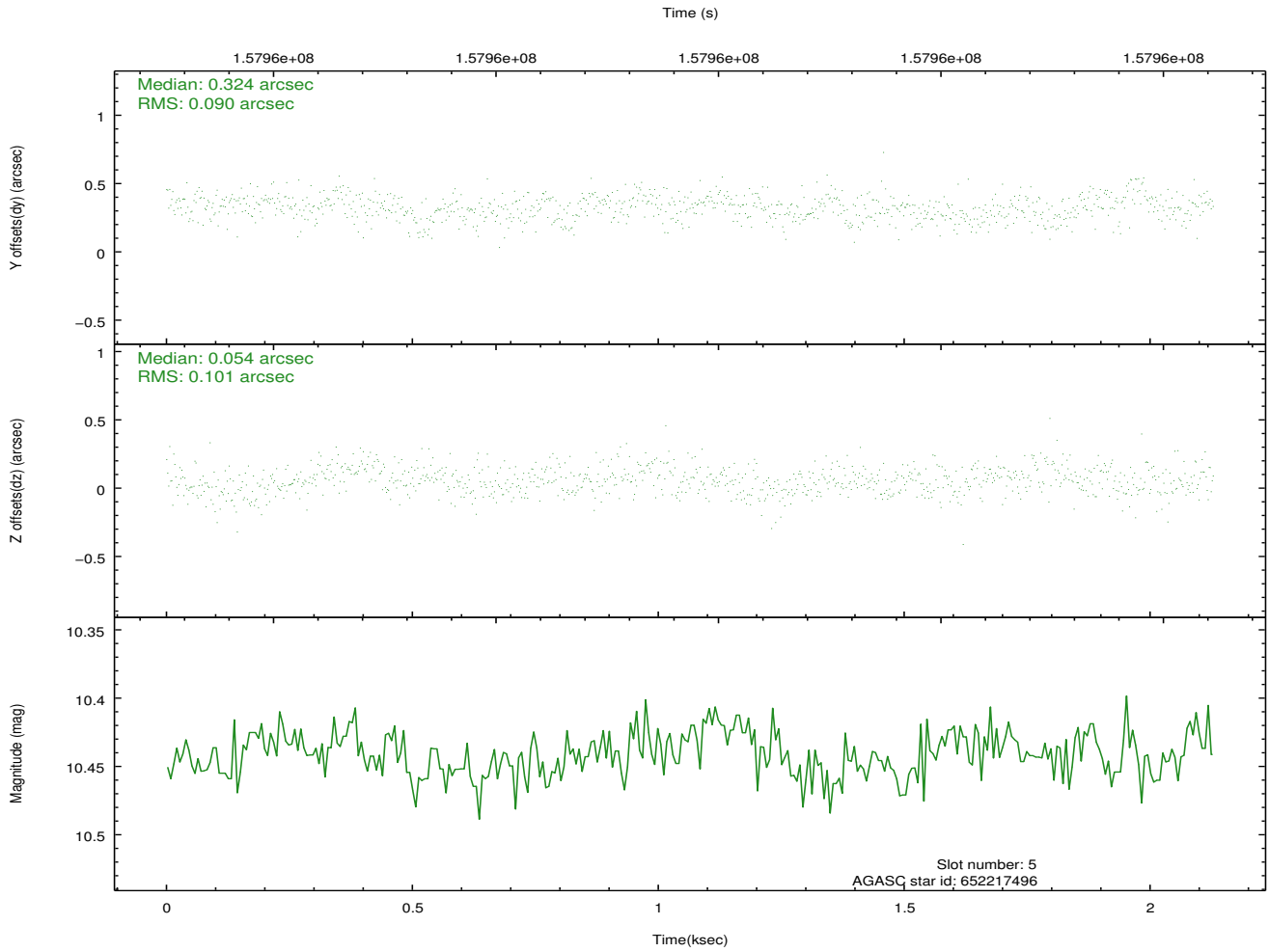
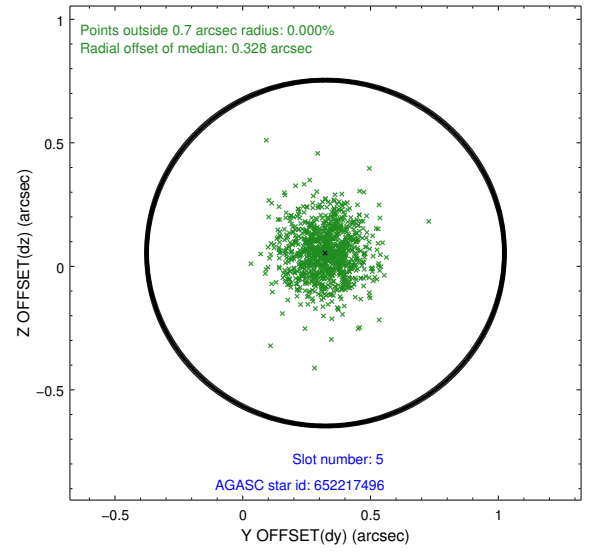
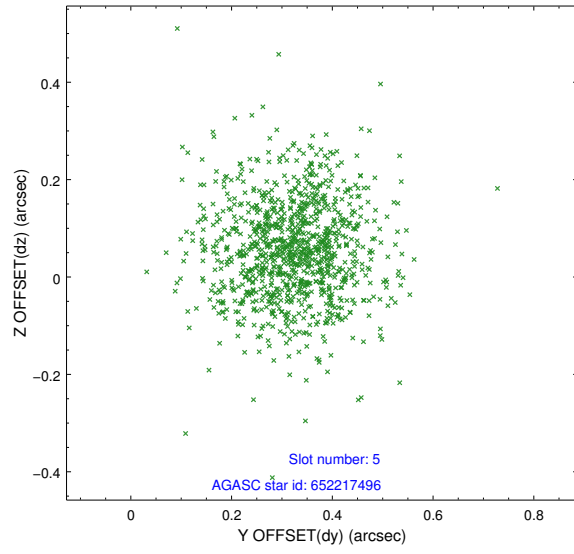
2.4.1 Slot 3



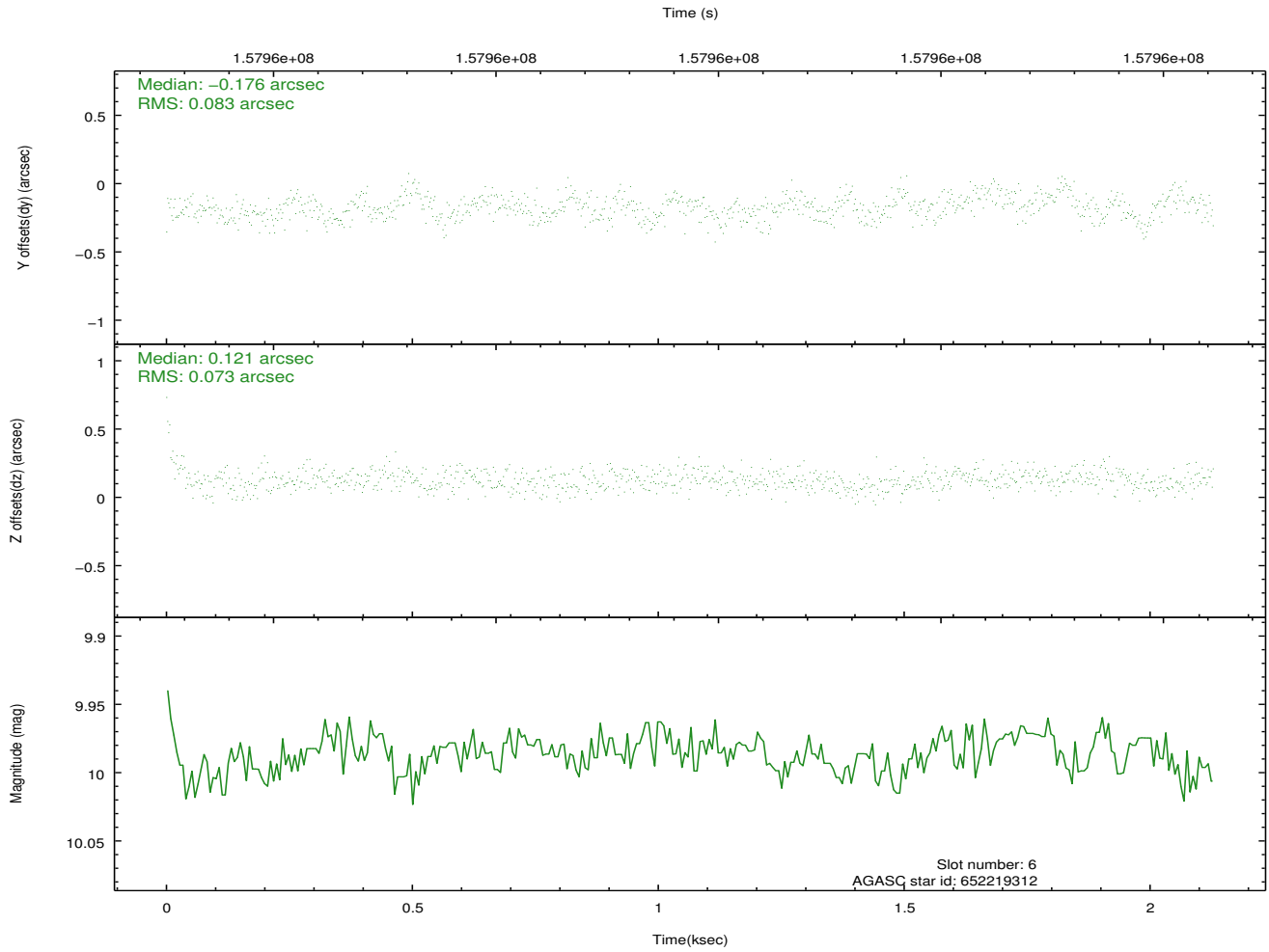
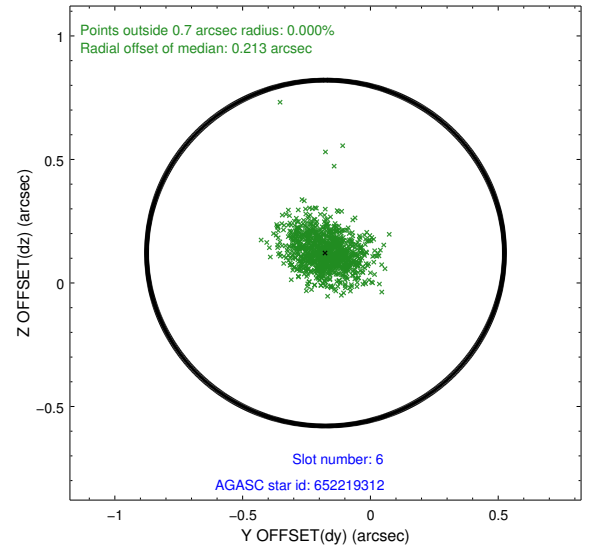
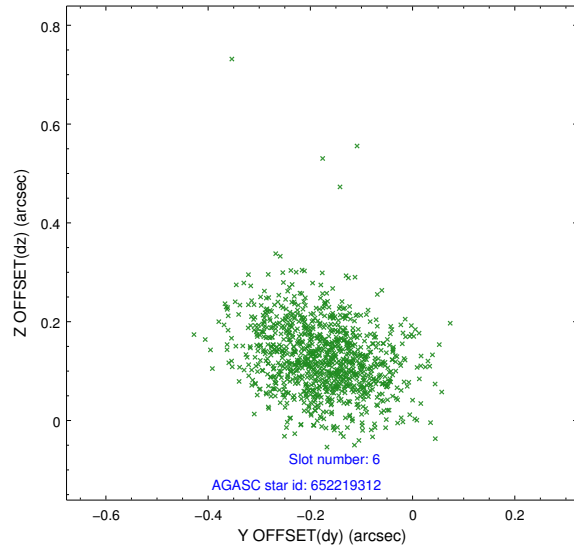
2.4.2 Slot 4



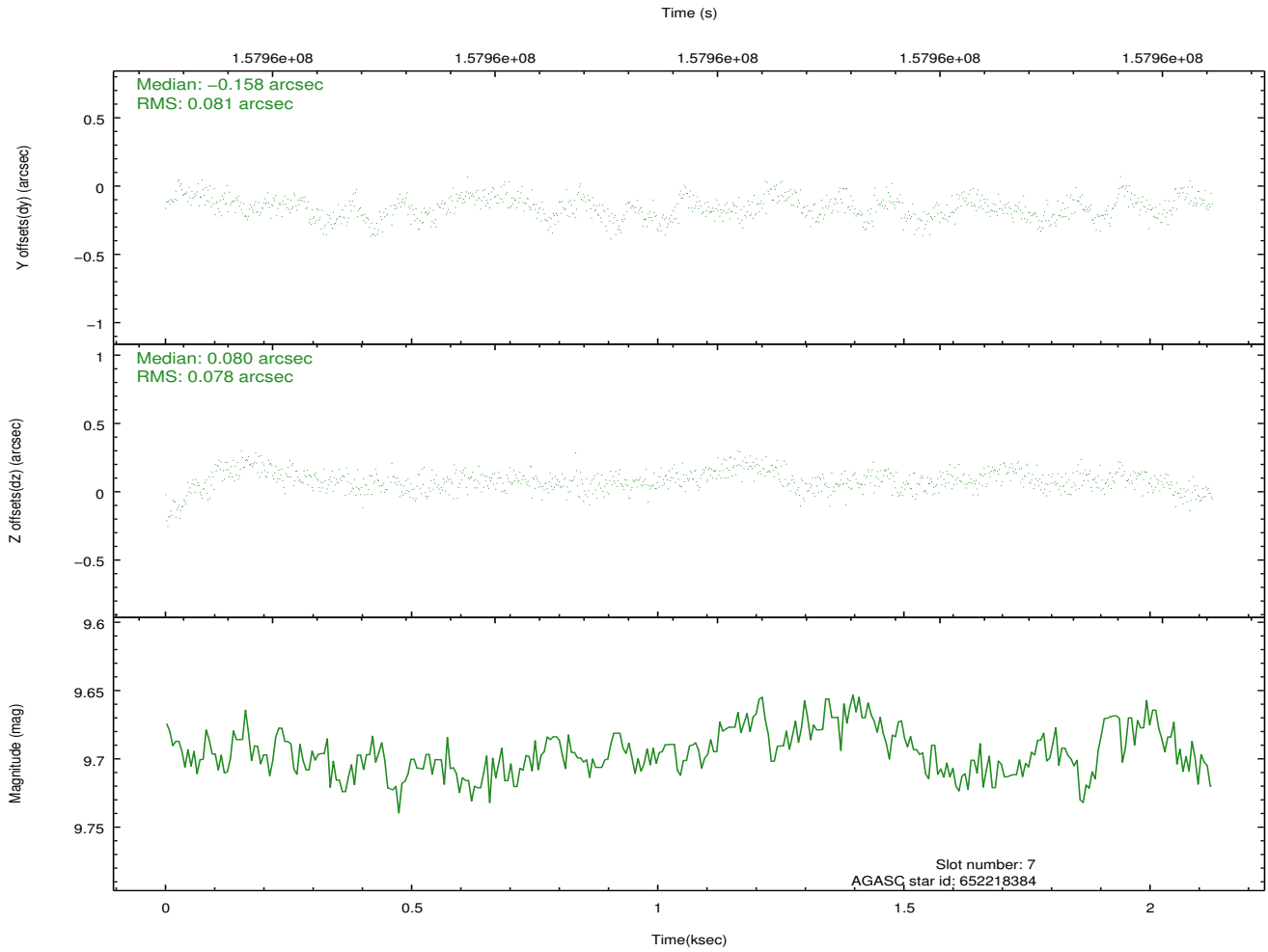
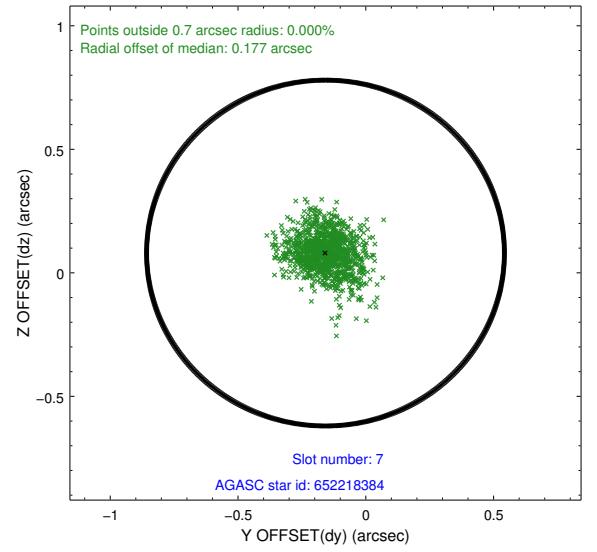
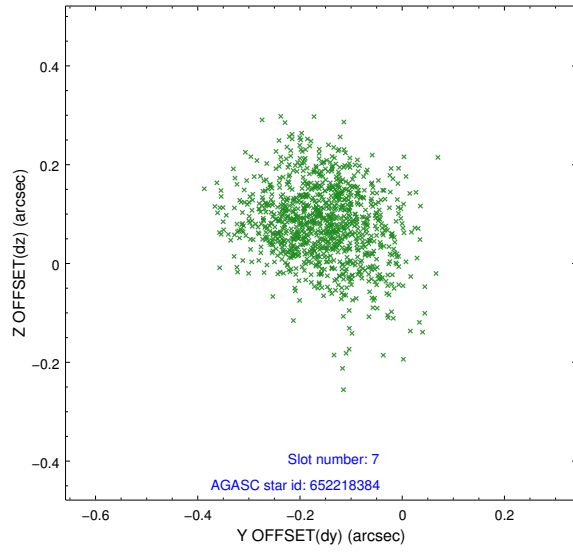
2.4.3 Slot 5



2.4.4 Slot 6

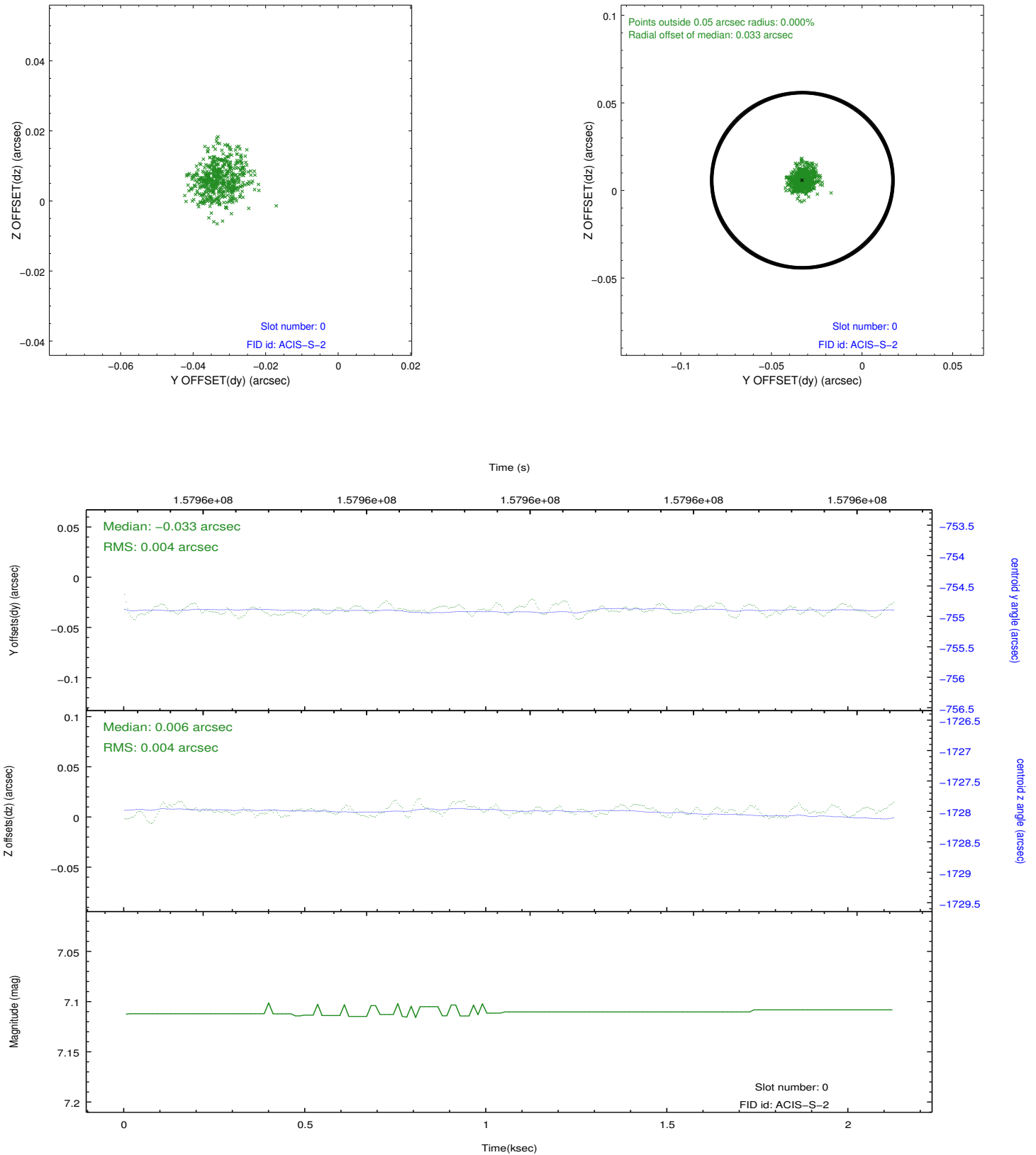


2.4.5 Slot 7

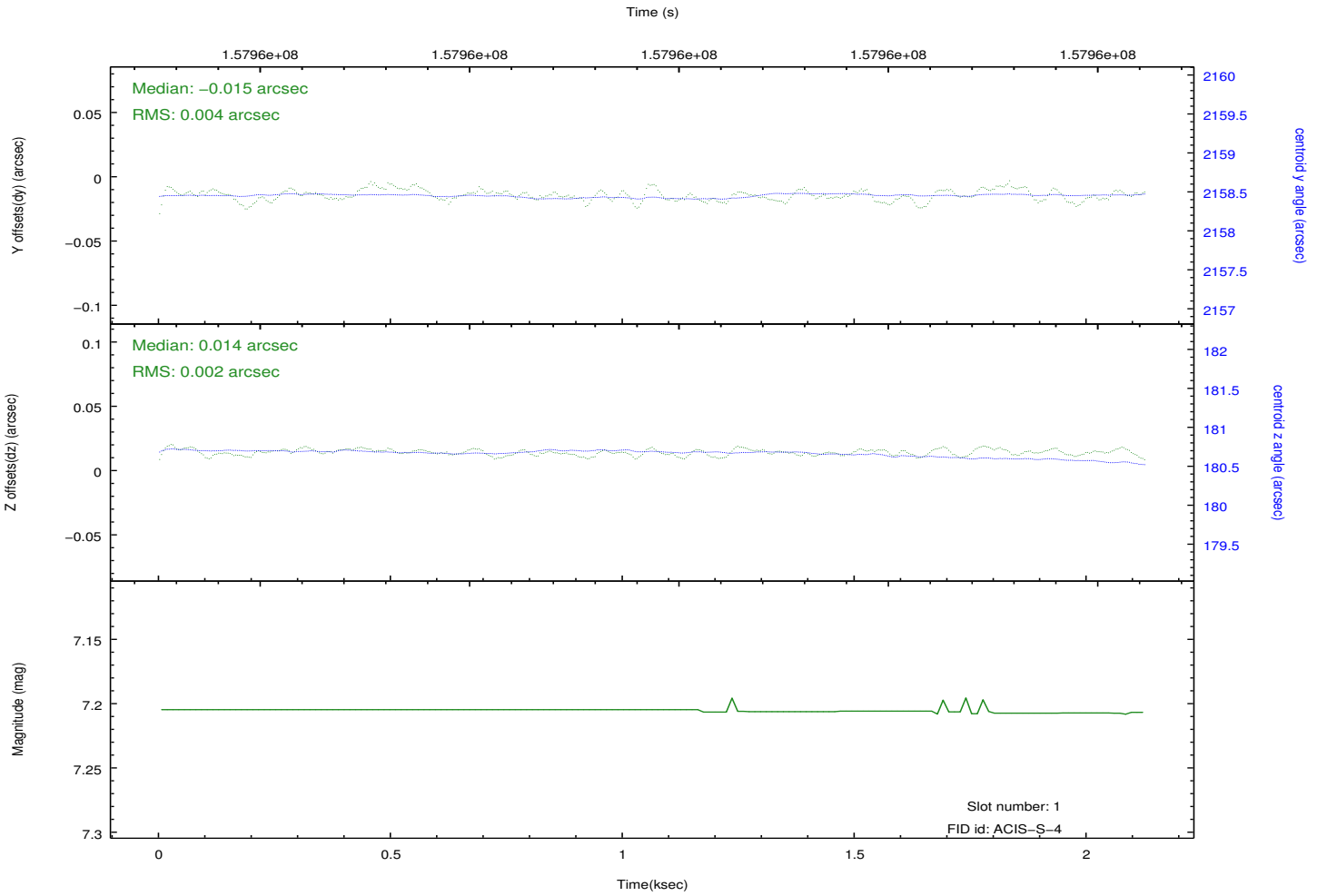
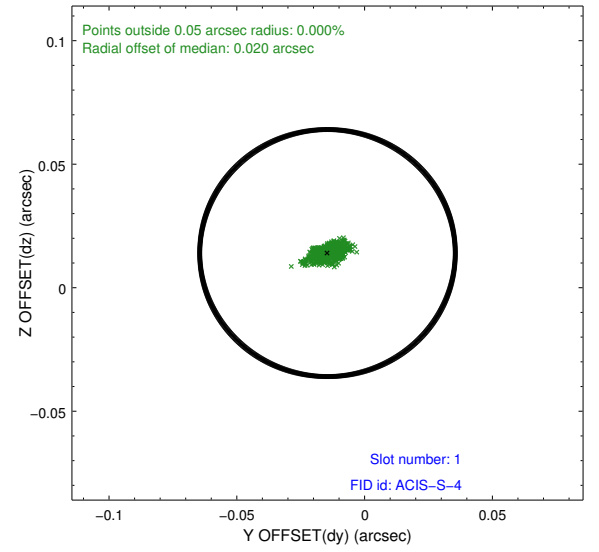
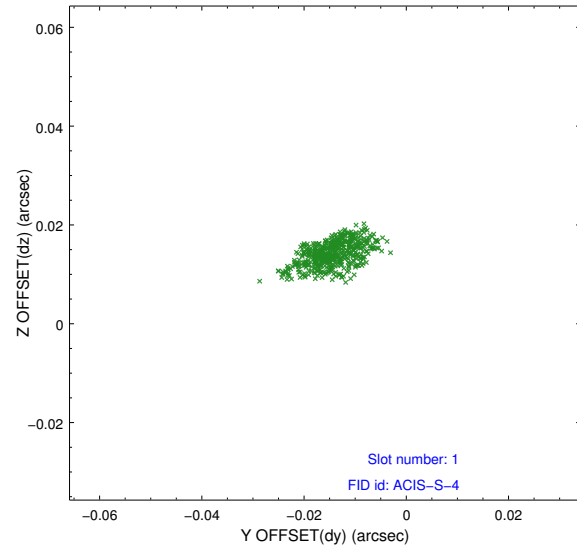


2.5 FID Slots

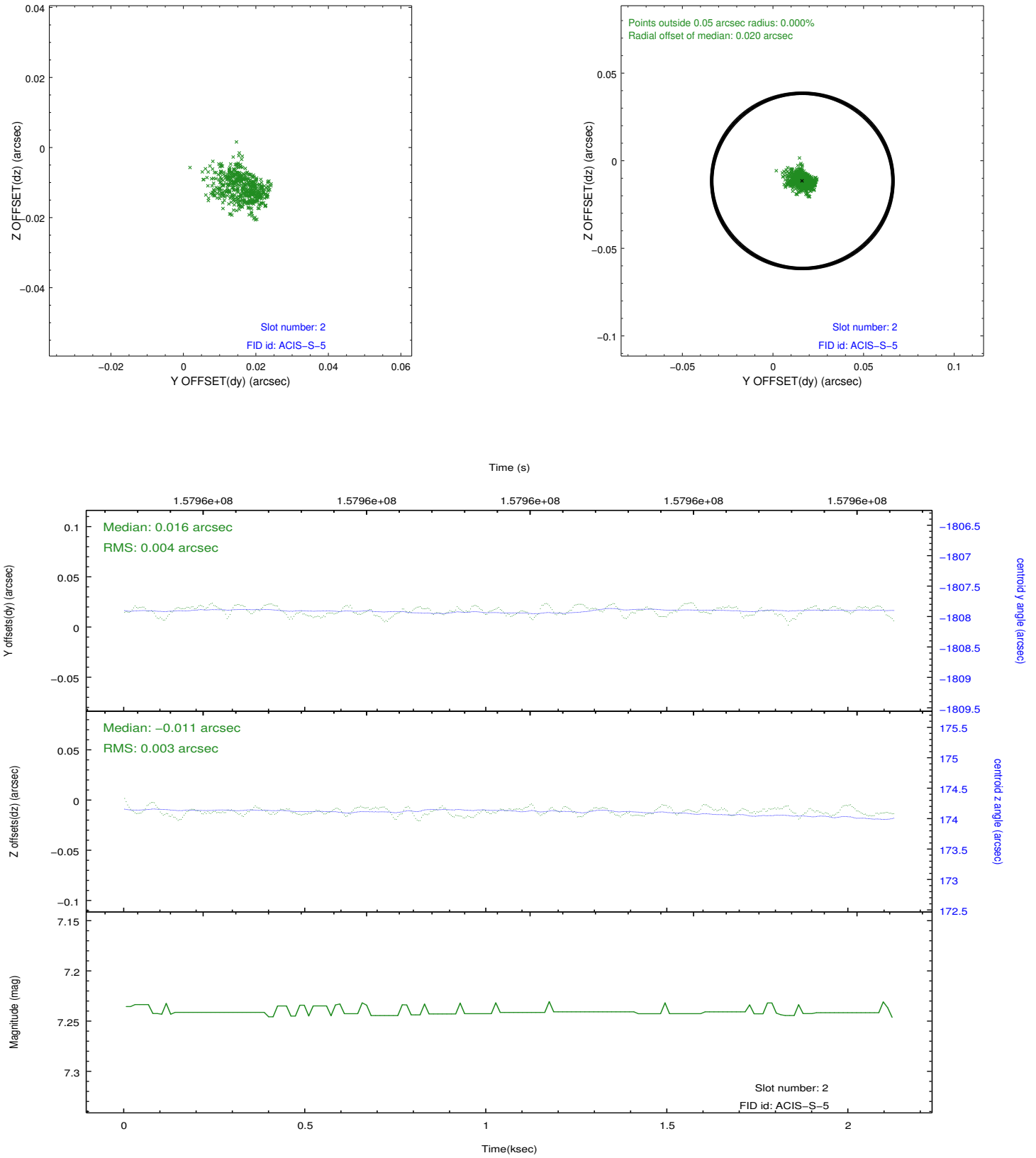
2.5.1 Slot 0



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)	2012.10.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.121

A.2 Comments