

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16277 - L2 Version 1
Chandra X-Ray Center

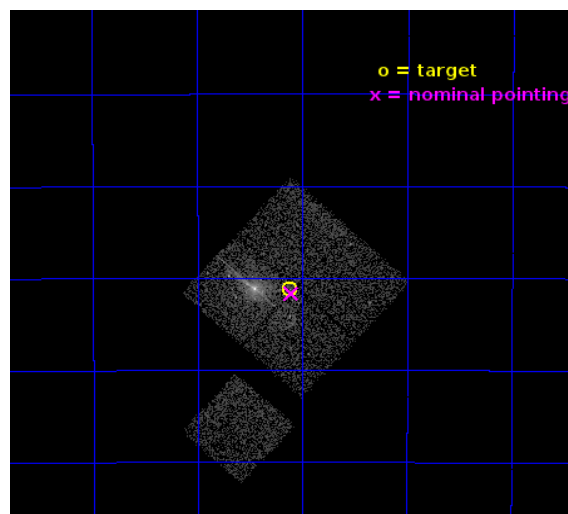
L2 Processing Date : Sep 8 2014

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1 Front

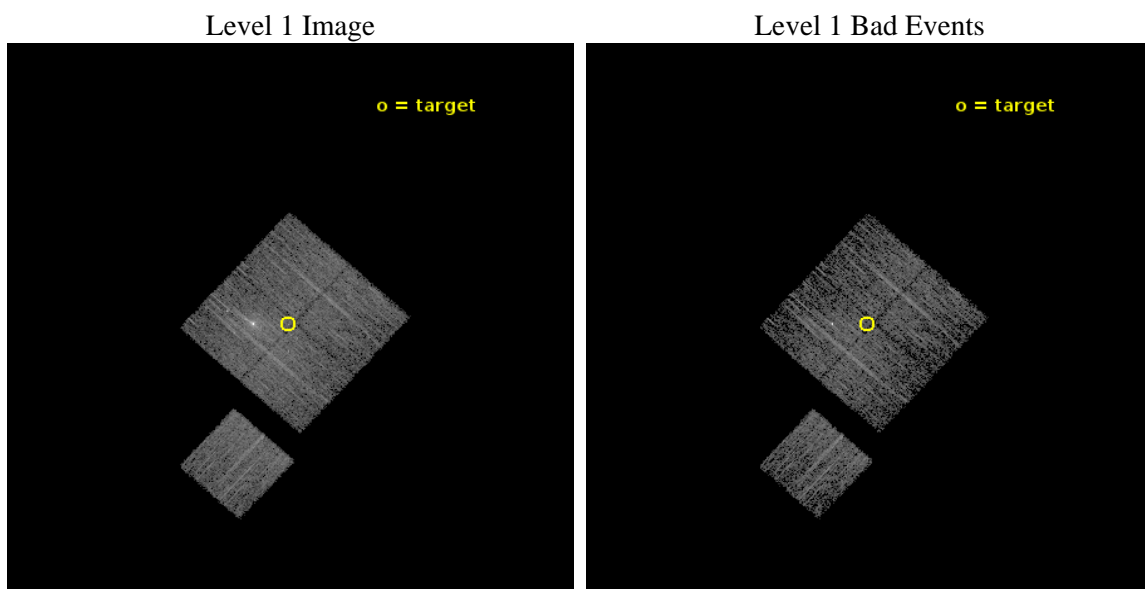
seq_num	703021	Sequence number
obs_id	16277	Observation id
title	Monitoring the long-term variability of the X-ray jet in Centaurus A	
observer	Dr. Stephen Murray	Principal investigator
object	Centaurus A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.28205	Observer's specified target RA [deg]
dec_targ	-43.020567	Observer's specified target Dec [deg]
ra_nom	201.27639887168	Nominal RA [deg]
dec_nom	-43.027728677144	Nominal Dec [deg]
roll_nom	222.24844820215	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5082.8202108145	Sum of GTIs [s]
livetime	5016.4094228424	Livetime [s]
ontime0	5082.6970908046	Sum of GTIs [s]
ontime1	5082.7381308079	Sum of GTIs [s]
ontime2	5082.7791708112	Sum of GTIs [s]
ontime3	5082.8202108145	Sum of GTIs [s]
ontime6	5082.6560508013	Sum of GTIs [s]
l2events	22776	Number of level 2 events



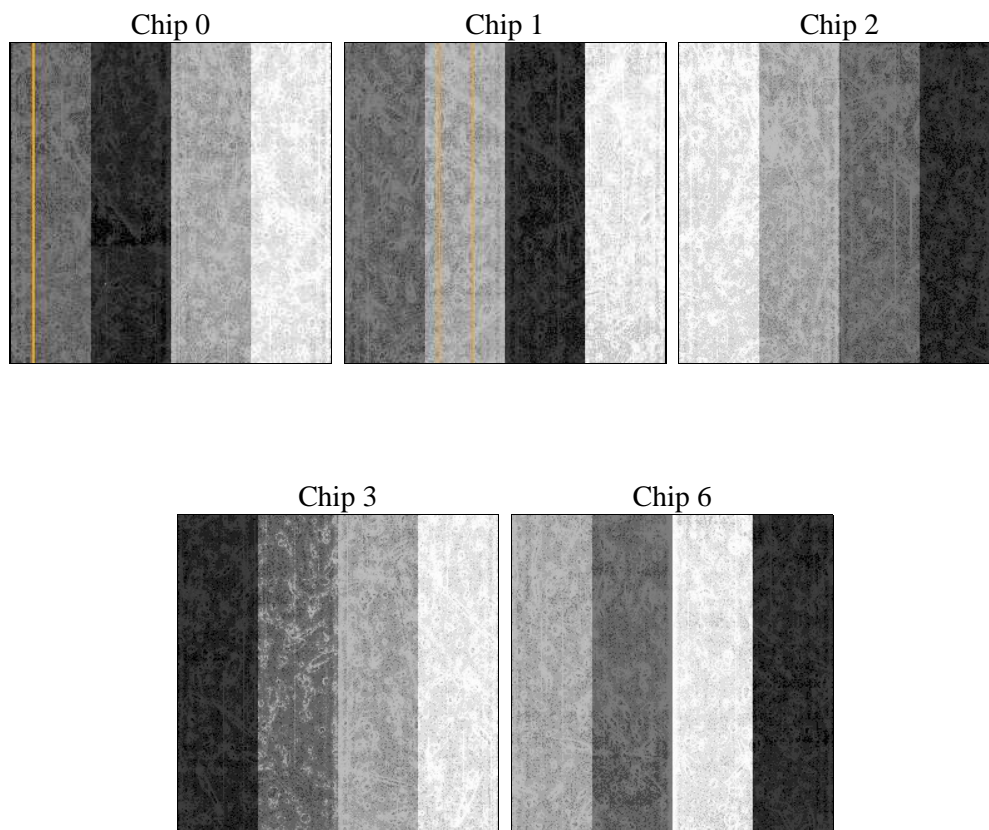
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	5082.8202108145	Sum of GTIs [s]
caldsver	4.6.3	 	ontime0	5082.6970908046	Sum of GTIs [s]
date	2014-09-08T18:01:38	Date and time of file creation	ontime1	5082.7381308079	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5082.7791708112	Sum of GTIs [s]
			ontime3	5082.8202108145	Sum of GTIs [s]
			ontime6	5082.6560508013	Sum of GTIs [s]
			l1events	142130	Number of level 1 events

2.1.4 Events

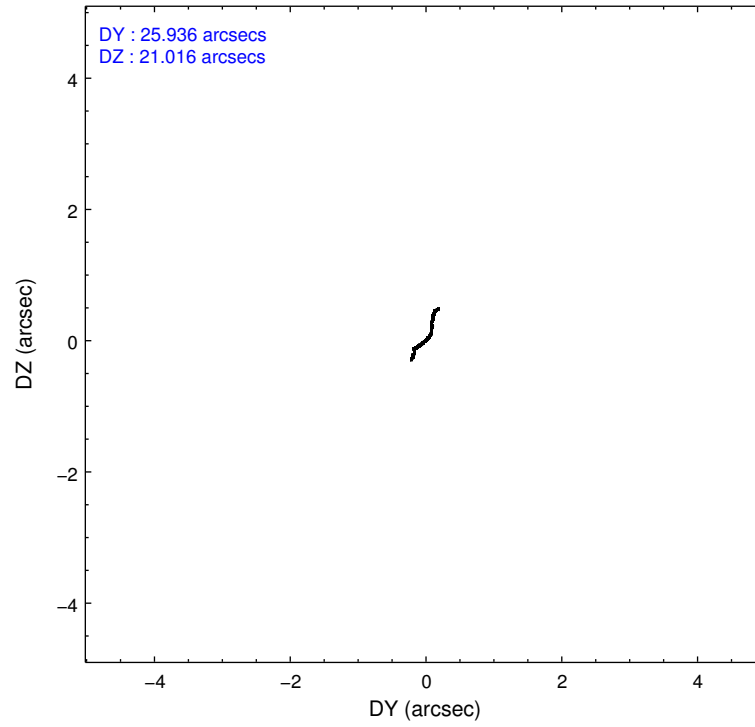
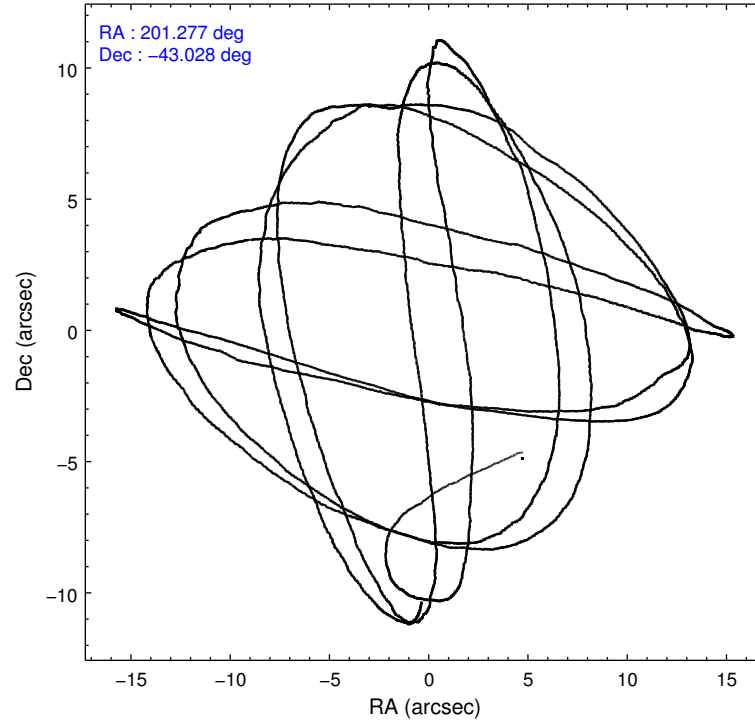
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	25148	26009	27165	35803	28005
rejected events	21434	21973	22938	24960	24532
rejected %	85%	84%	84%	69%	87%

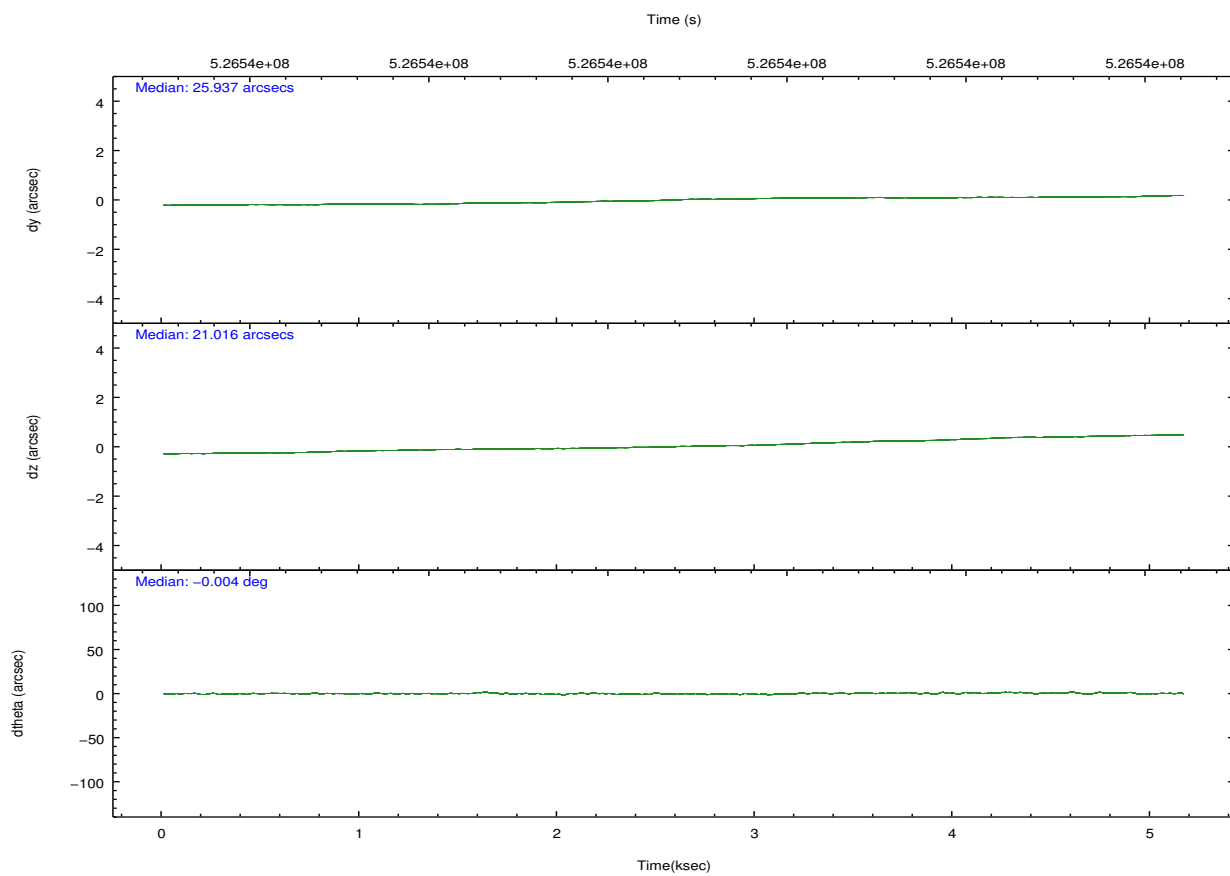
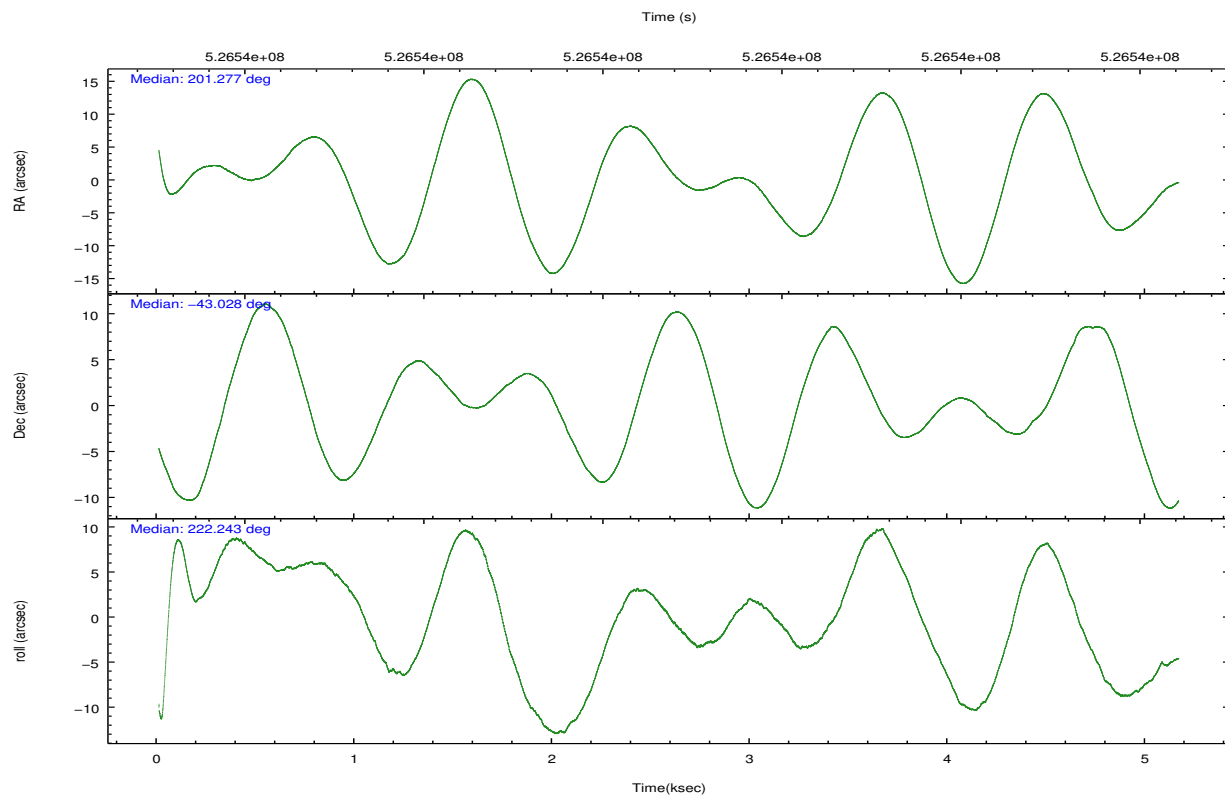
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1488	1671	1939	6262	1379
	5%	6%	7%	17%	4%
grade 1 events	19	11	16	384	11
	0%	0%	0%	1%	0%
grade 2 events	921	924	961	1799	743
	3%	3%	3%	5%	2%
grade 3 events	354	320	355	729	338
	1%	1%	1%	2%	1%
grade 4 events	305	341	354	672	309
	1%	1%	1%	1%	1%
grade 5 events	1141	1244	1113	1749	1219
	4%	4%	4%	4%	4%
grade 6 events	653	783	620	1391	709
	2%	3%	2%	3%	2%
grade 7 events	20267	20715	21807	22817	23297
	80%	79%	80%	63%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	201.287768	201.2763988716841	Subarray requested	NONE	NONE
[deg] Pointing Dec	-43.001315	-43.02772867714415	Alternating exposures requested	N	N
[deg] Pointing Roll	222.047584	222.2484482021456	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	526539949.184000	526538940.25017			
Observation start date	2014-09-08T05:04:42	2014-09-08T04:49:00			
[s] Observation end time (MET)	526544949.184000	526545521.77554			
Observation end date	2014-09-08T06:28:02	2014-09-08T06:38:41			
Read mode	TIMED	TIMED			

2.3 Aspect



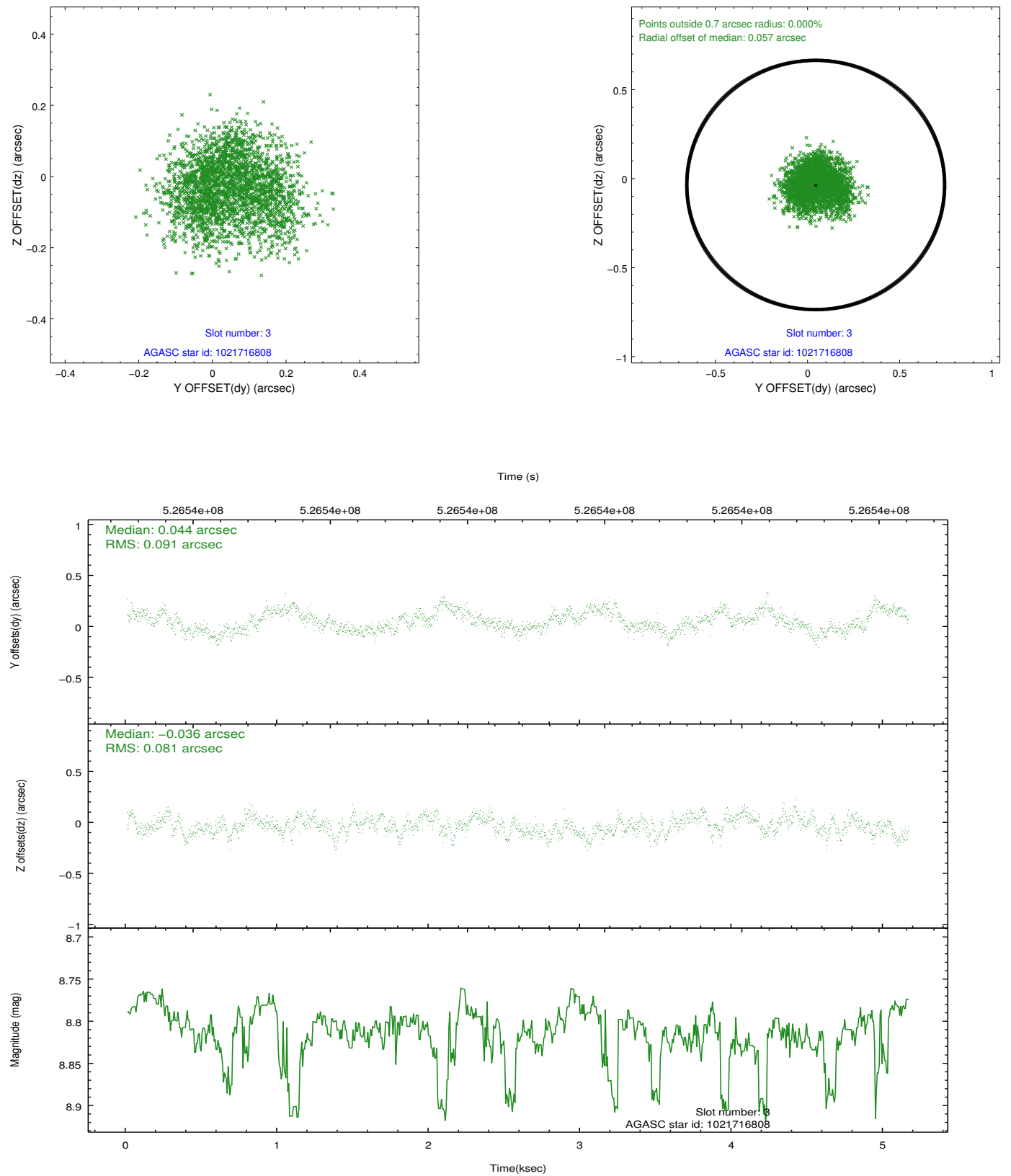


Slot Statistics

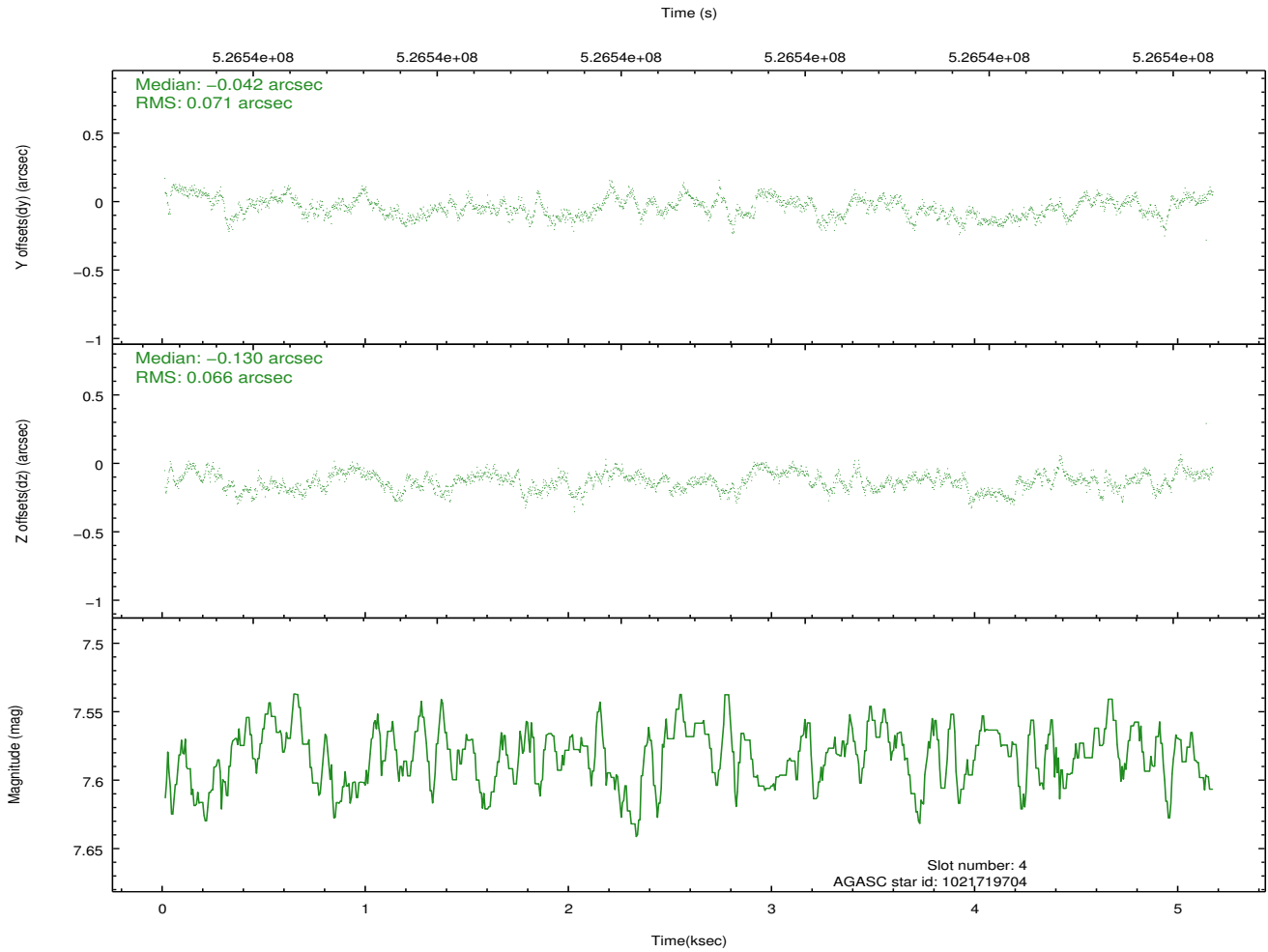
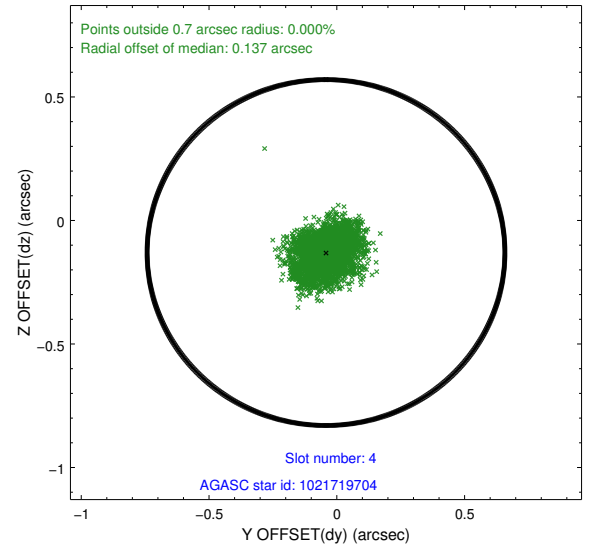
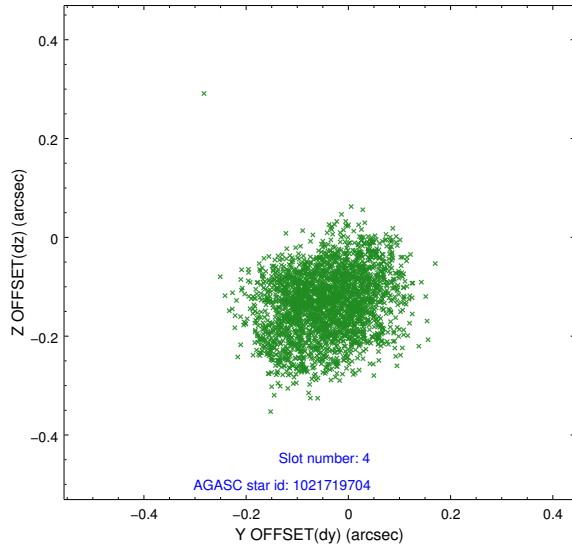
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.12	1259	-0.033	-0.059	0.012	0.022	0.000000	0.000000	913.25	-844.85
1	FID	ACIS-I-4	7.08	1259	0.317	0.081	0.010	0.016	0.000000	0.000000	2134.22	1054.54
2	FID	ACIS-I-5	7.11	1259	-0.382	0.049	0.008	0.013	0.000000	0.000000	-1833.67	1053.56
3	GUIDE	1021716808	8.81	2518	0.044	-0.036	0.133	0.201	200.901189	-42.531395	-369.06	-1941.52
4	GUIDE	1021719704	7.58	2518	-0.042	-0.130	0.105	0.159	200.511976	-43.050426	1640.40	-1229.16
5	GUIDE	1021721304	9.65	2505	0.079	0.111	0.284	0.449	201.117326	-42.480412	-918.44	-1695.84
6	GUIDE	1021721672	9.49	2512	-0.053	0.021	0.190	0.282	201.740358	-43.079729	-692.62	1008.26
7	GUIDE	1022235840	9.39	2514	-0.025	0.055	0.187	0.307	201.679306	-43.544276	551.82	2138.04

2.4 Star Slots

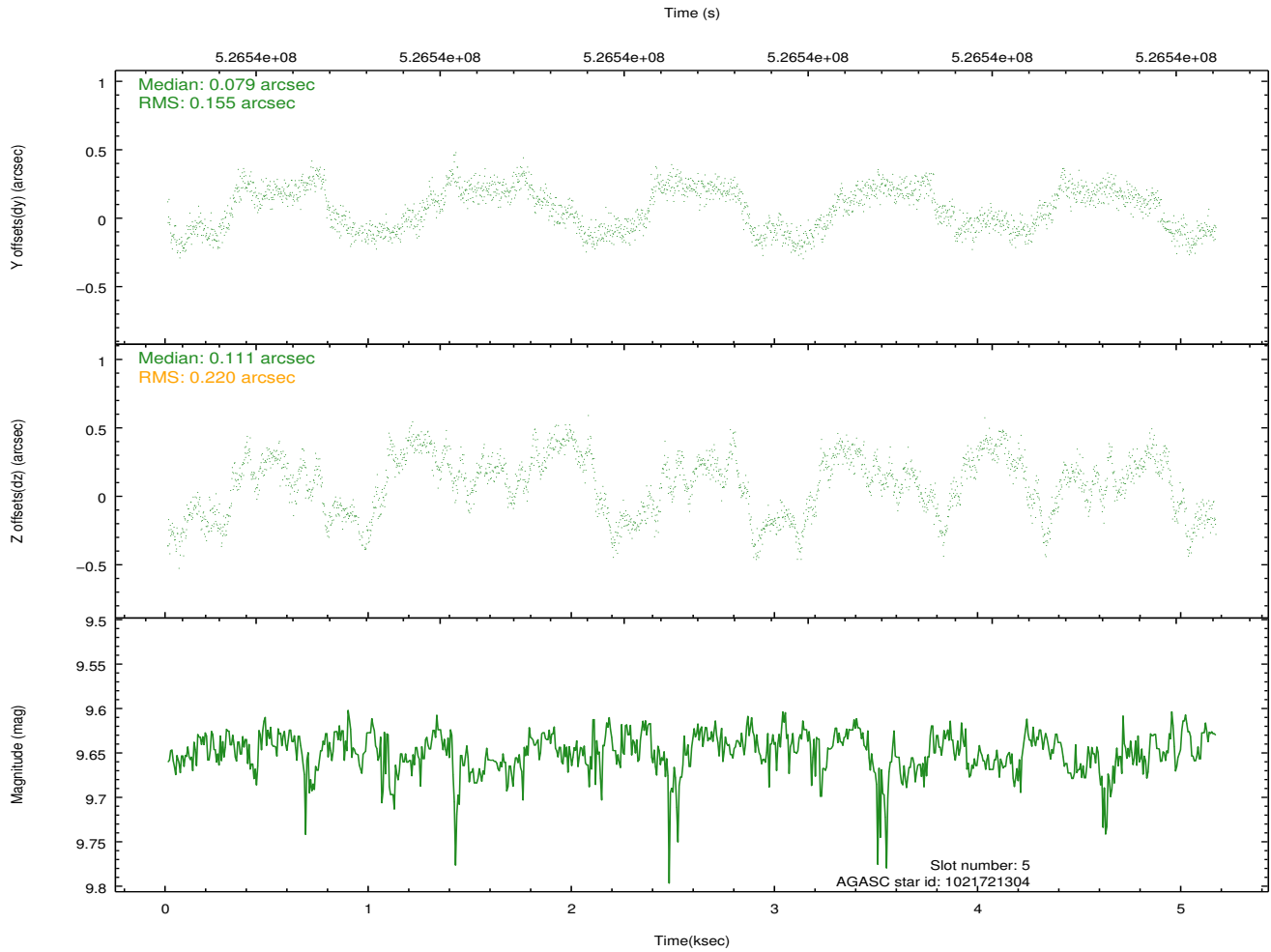
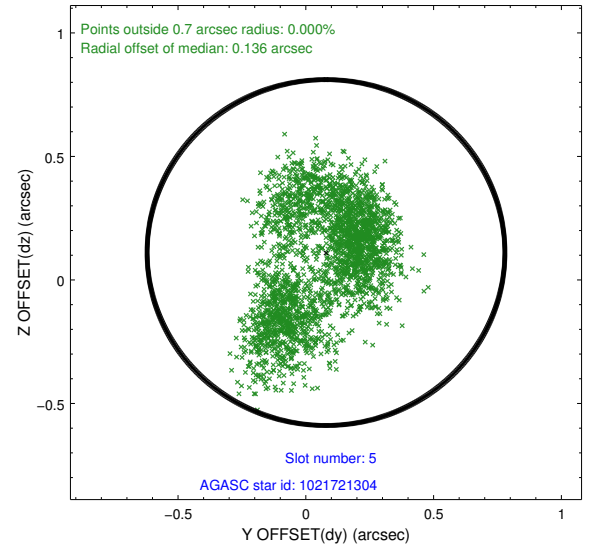
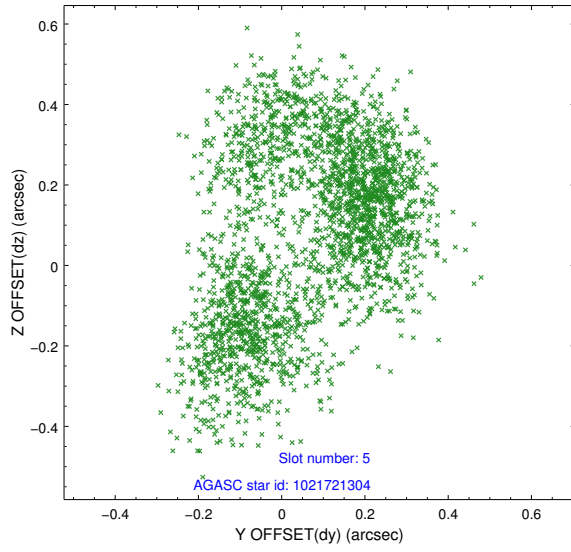
2.4.1 Slot 3



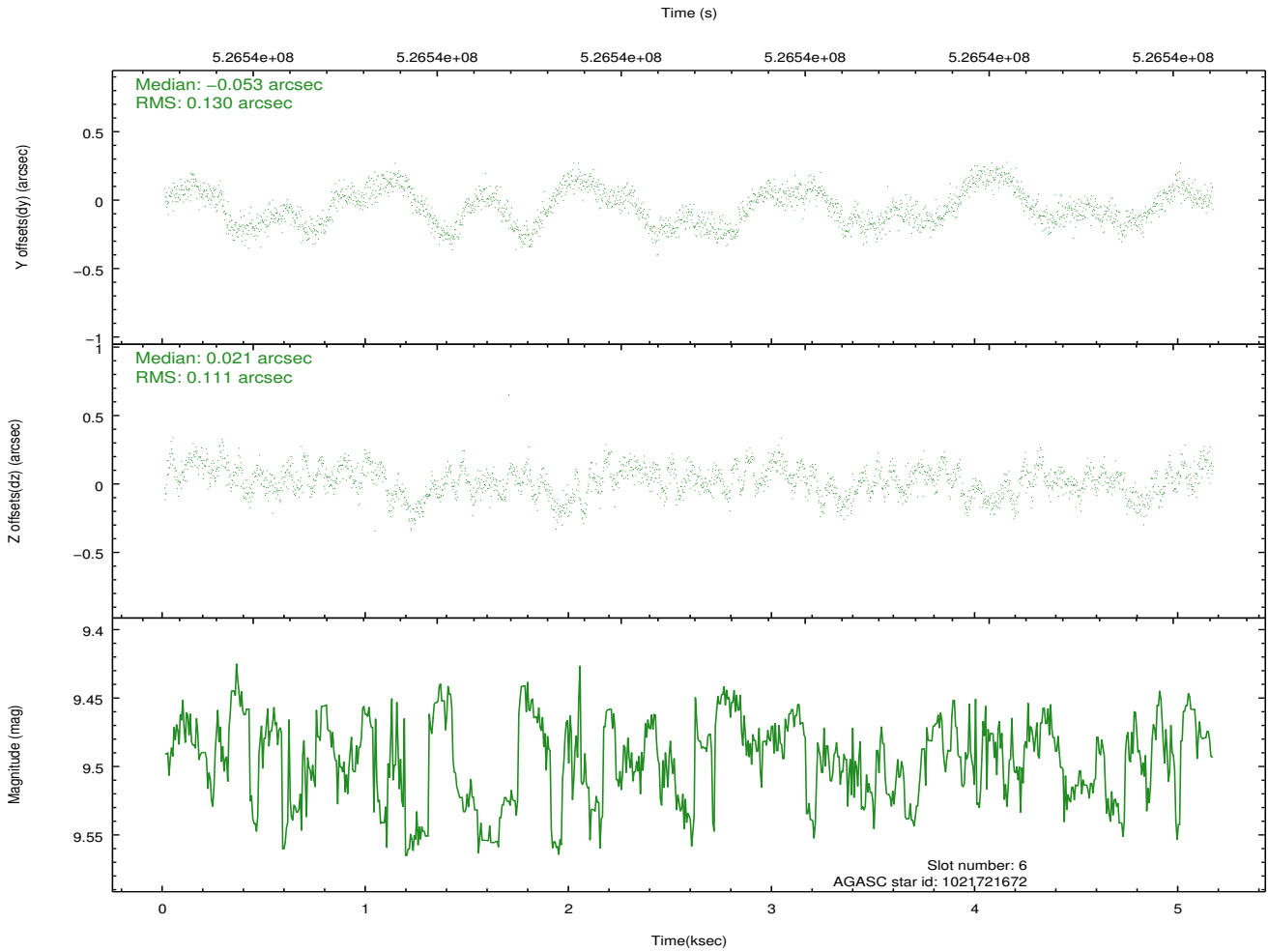
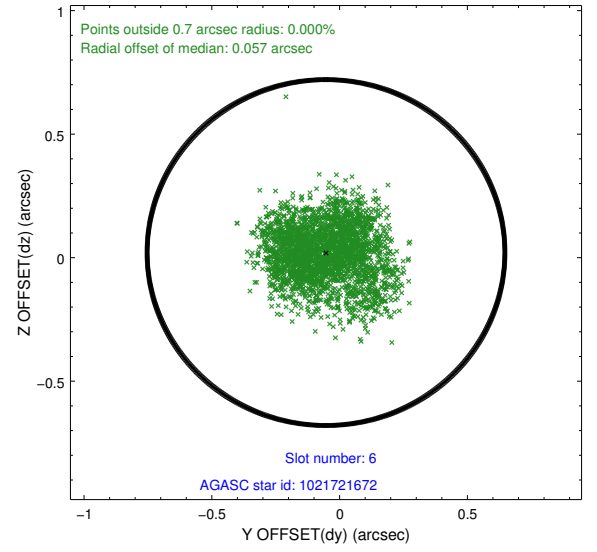
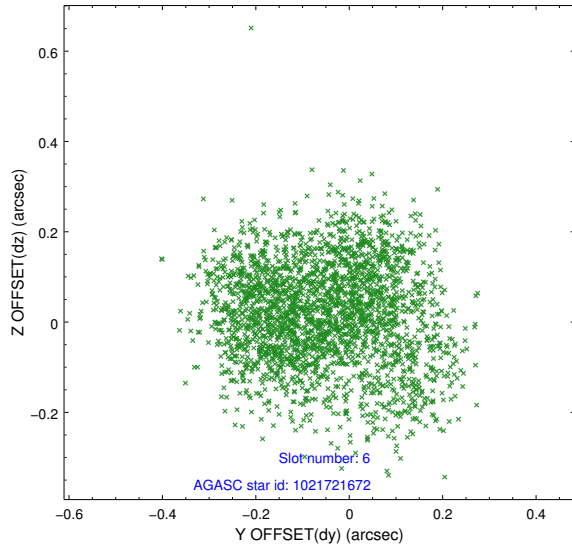
2.4.2 Slot 4



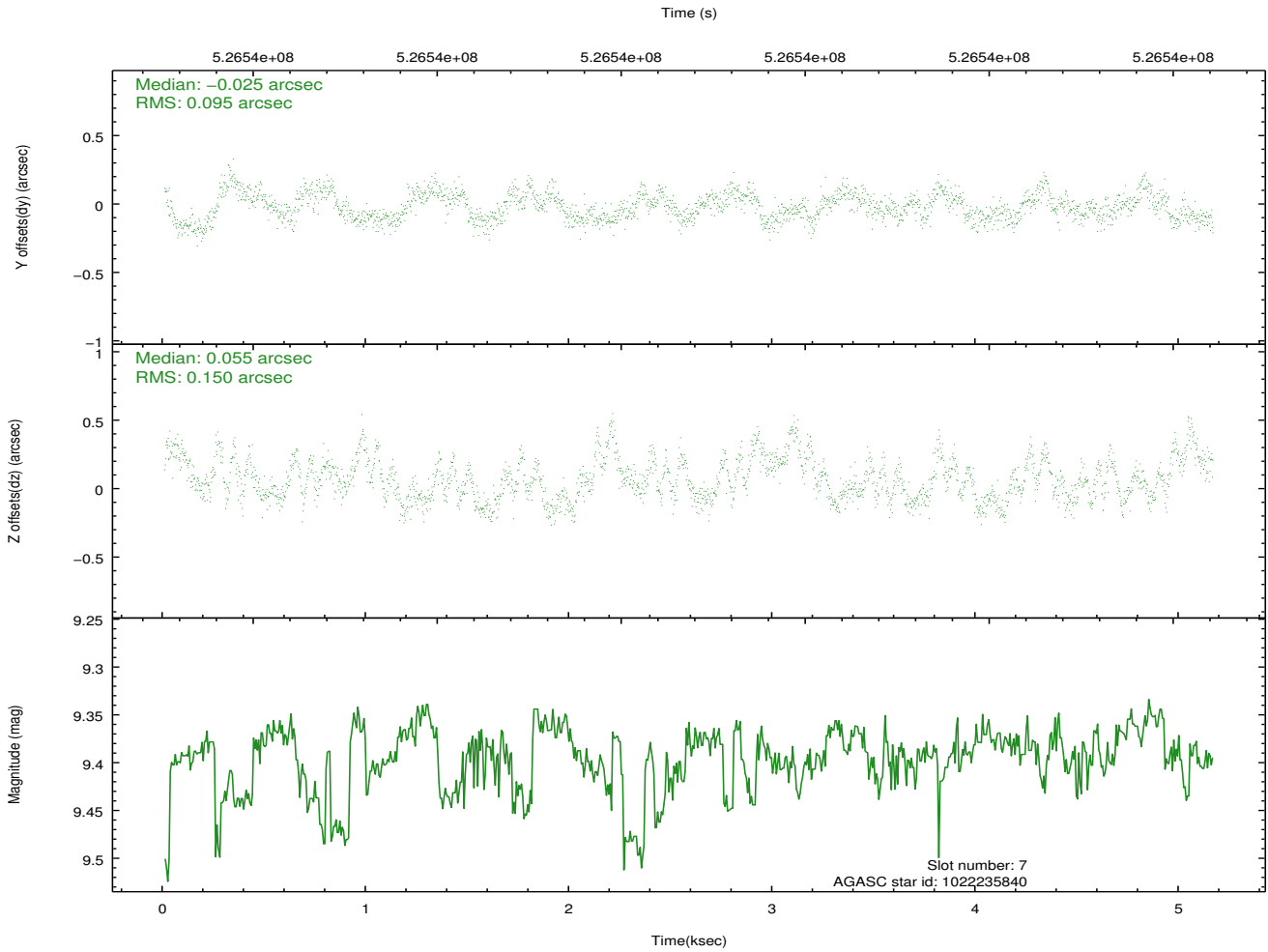
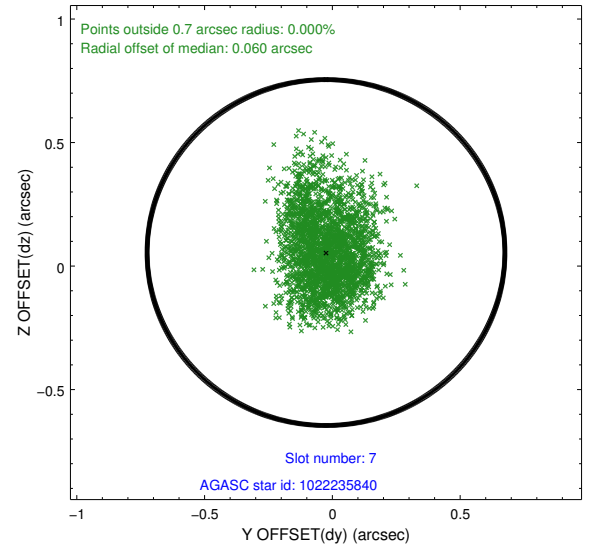
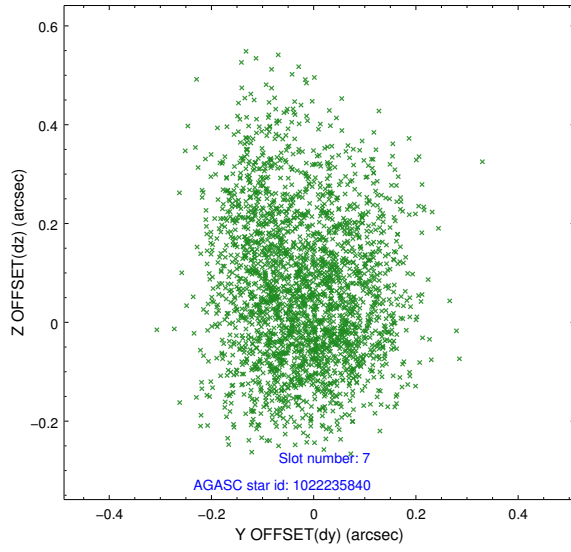
2.4.3 Slot 5



2.4.4 Slot 6

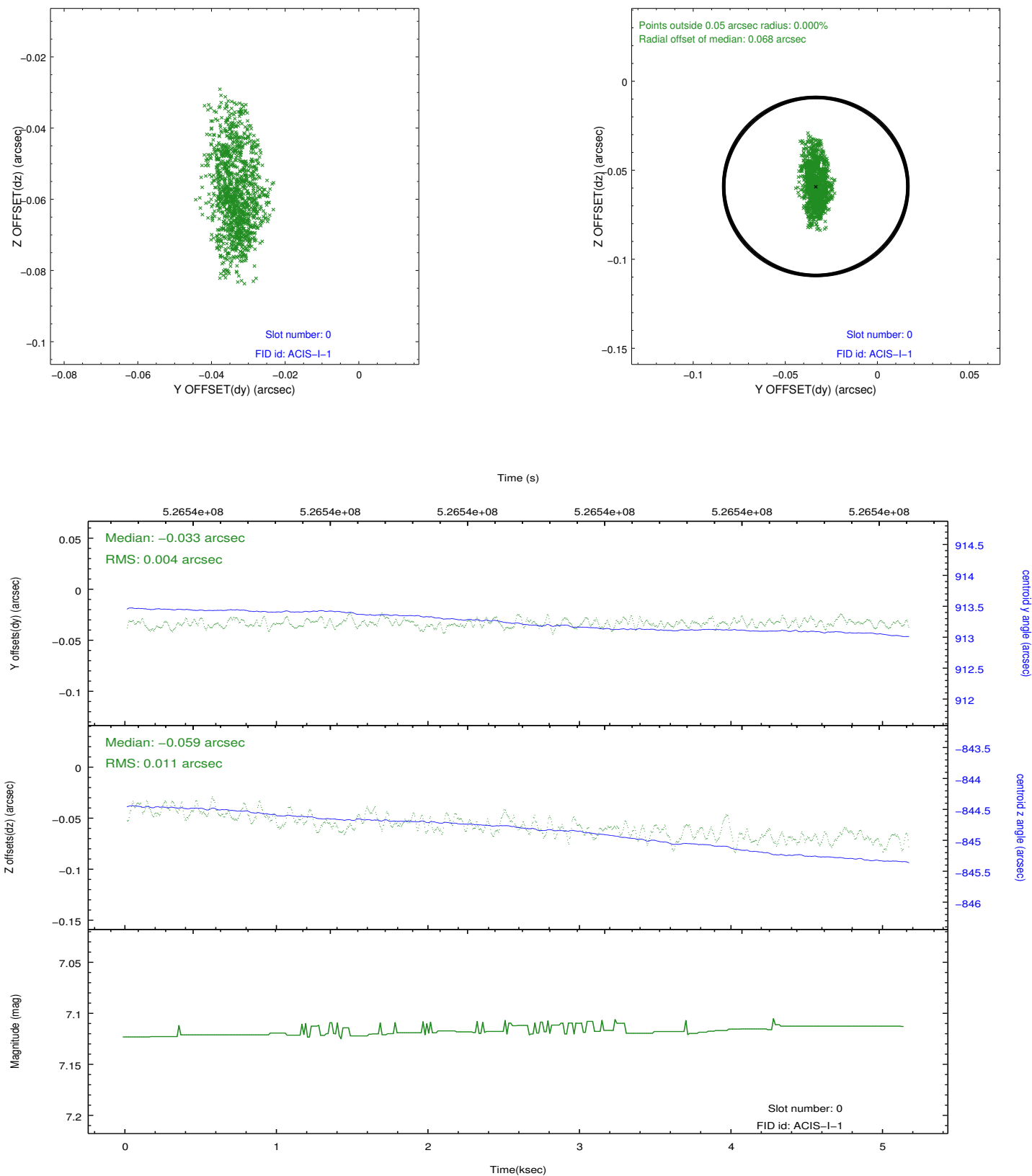


2.4.5 Slot 7

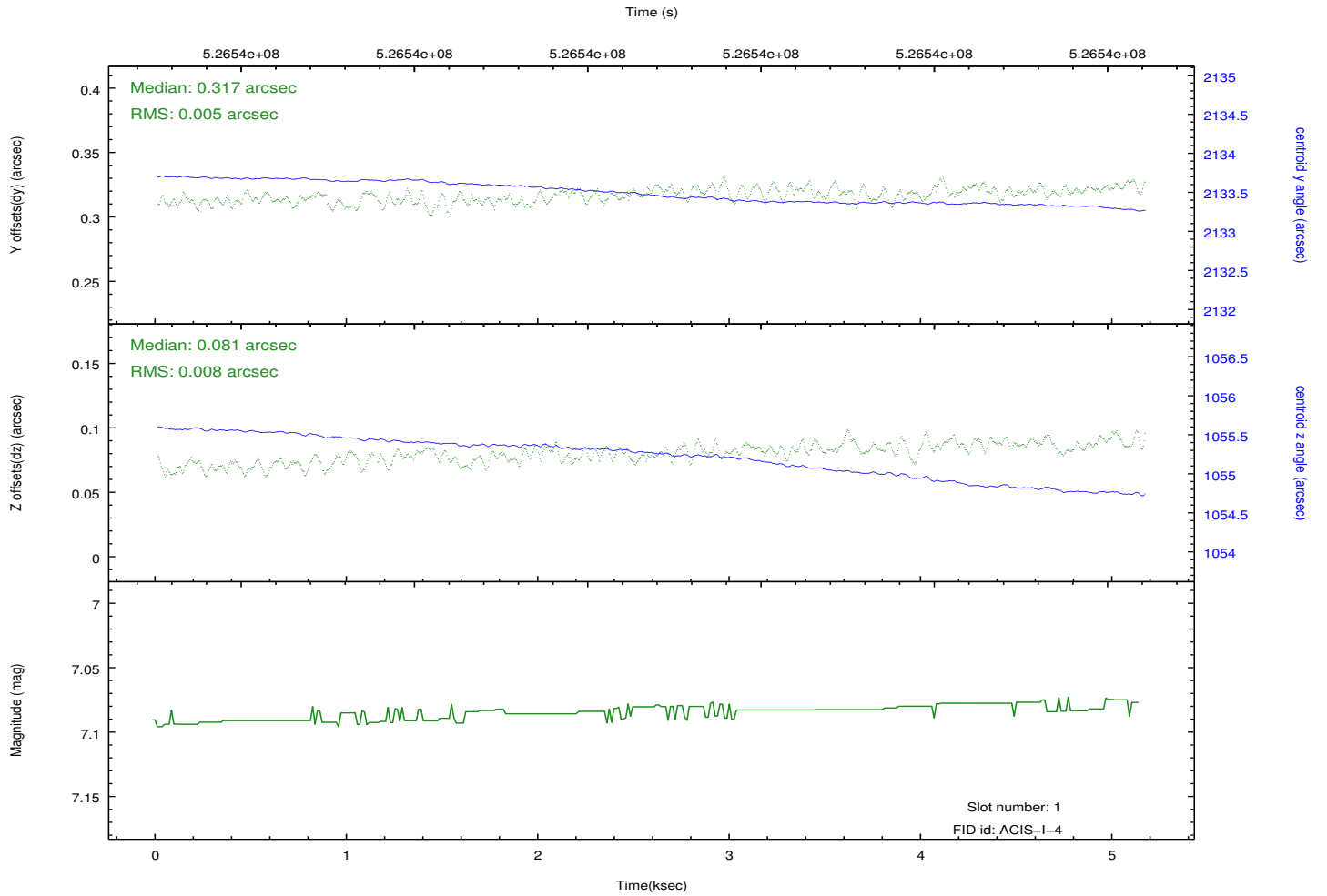
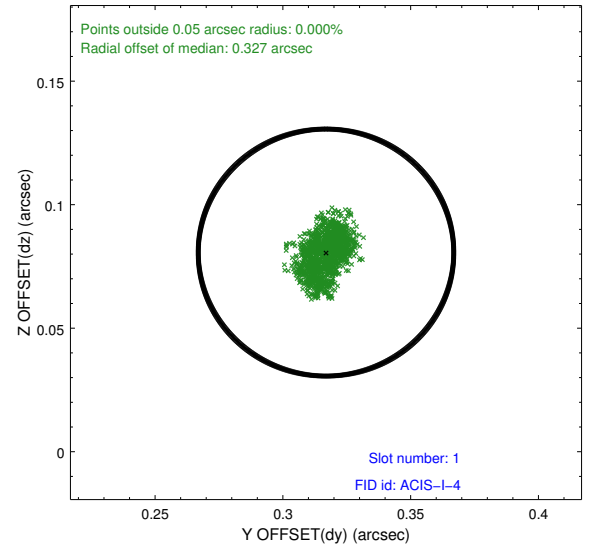
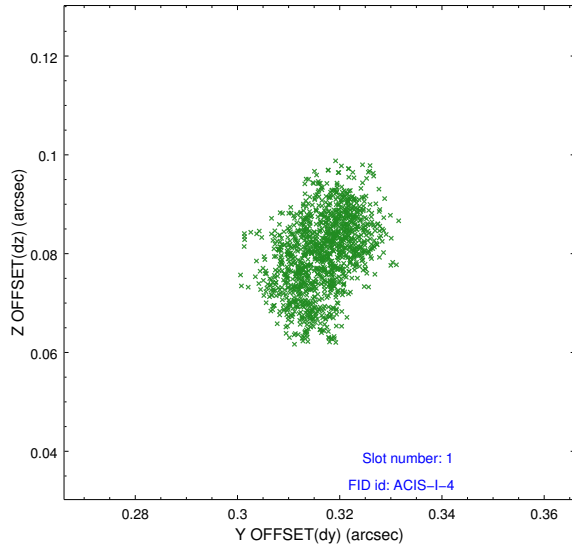


2.5 FID Slots

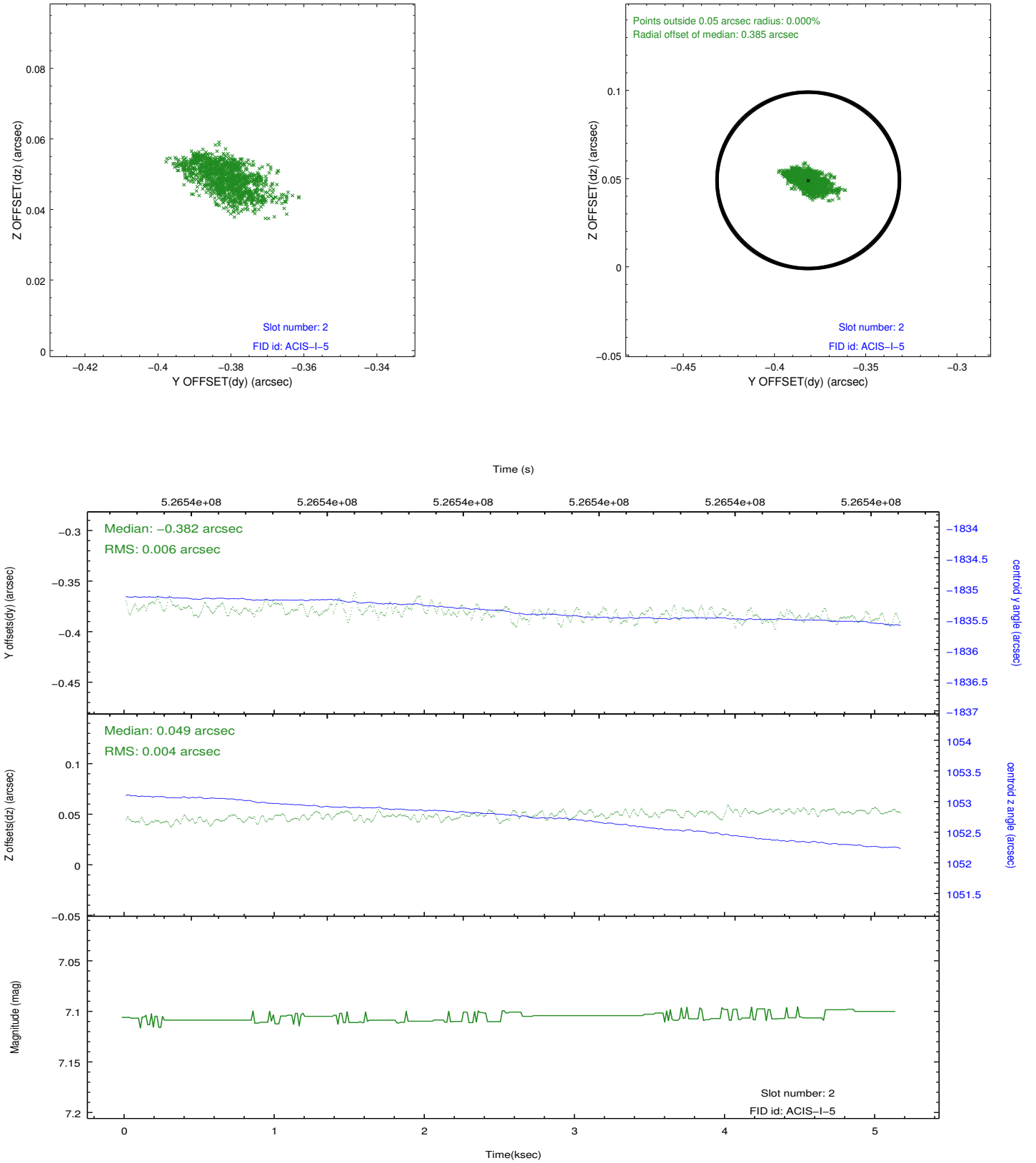
2.5.1 Slot 0



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)	2014.09.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0828202108145

A.2 Comments