

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8972 - L2 Version 2
Chandra X-Ray Center

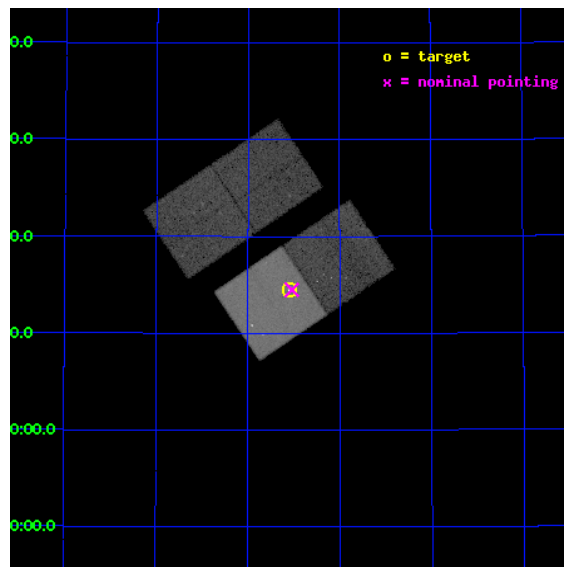
L2 Processing Date : May 16 2012

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1 Front

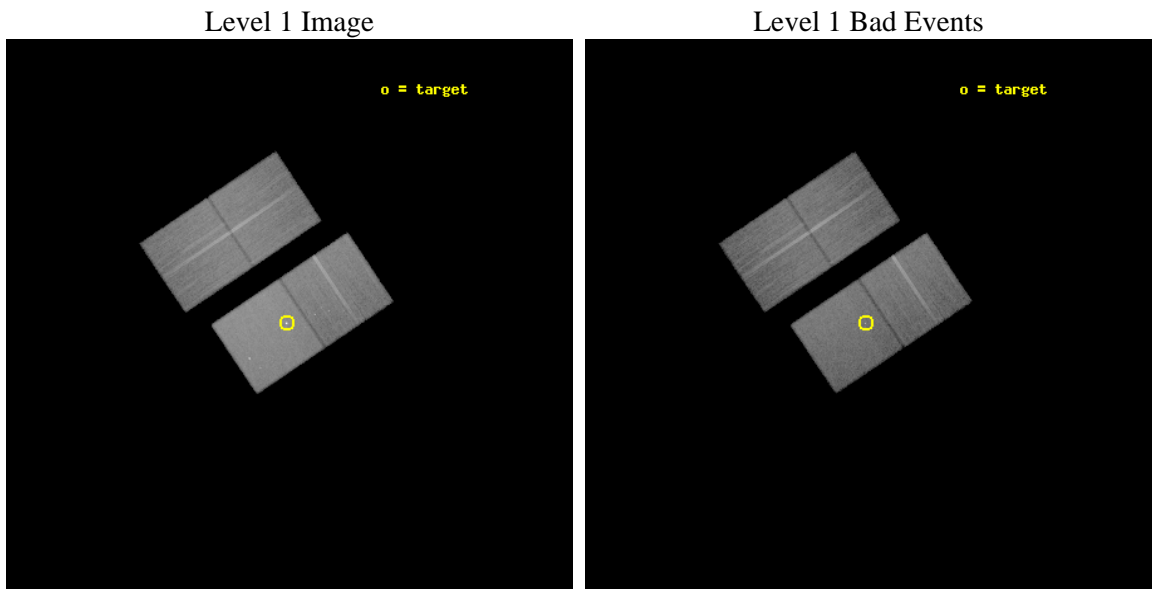
seq_num	300228	Sequence number
obs_id	8972	Observation id
title	X-ray Jets Activity in the Symbiotic System CH Cyg	Proposal title
observer	DR. MARGARITA KAROVSKA	Principal investigator
object	CH Cyg	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	291.137783	Observer's specified target RA [deg]
dec_targ	50.241425	Observer's specified target Dec [deg]
ra_nom	291.13023671082	Nominal RA [deg]
dec_nom	50.241605681213	Nominal Dec [deg]
roll_nom	146.16241605046	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24098.324113667	Sum of GTIs [s]
livetime	23783.461768194	Livetime [s]
ontime2	24098.200993657	Sum of GTIs [s]
ontime3	24098.24203366	Sum of GTIs [s]
ontime6	24098.283073664	Sum of GTIs [s]
ontime7	24098.324113667	Sum of GTIs [s]
l2events	212749	Number of level 2 events



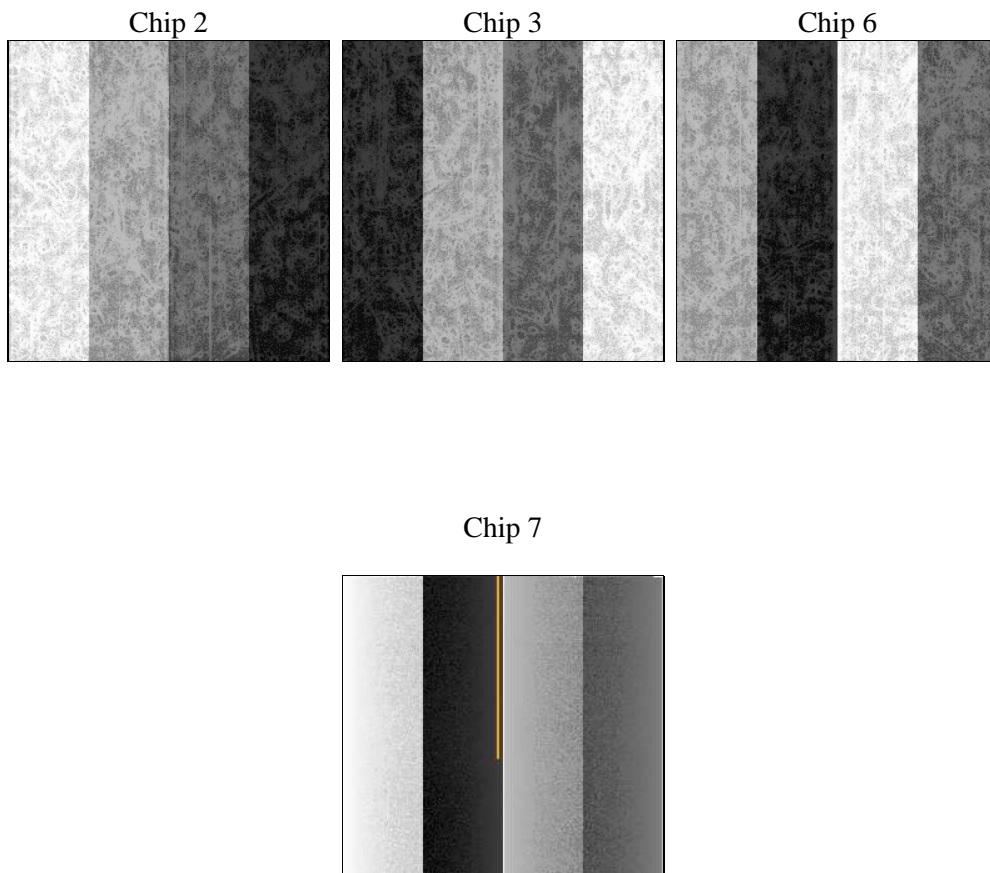
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	24000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	24098.324113667	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	24098.200993657	Sum of GTIs [s]
date	2012-05-16T14:48:55	Date and time of file creation	ontime3	24098.24203366	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	24098.283073664	Sum of GTIs [s]
			ontime7	24098.324113667	Sum of GTIs [s]
			l1events	1025824	Number of level 1 events

2.1.4 Events

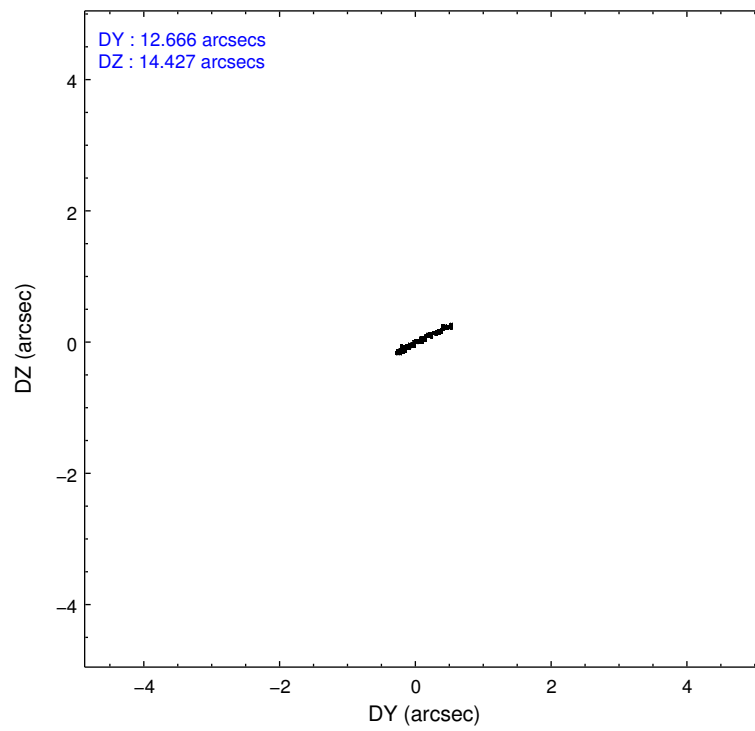
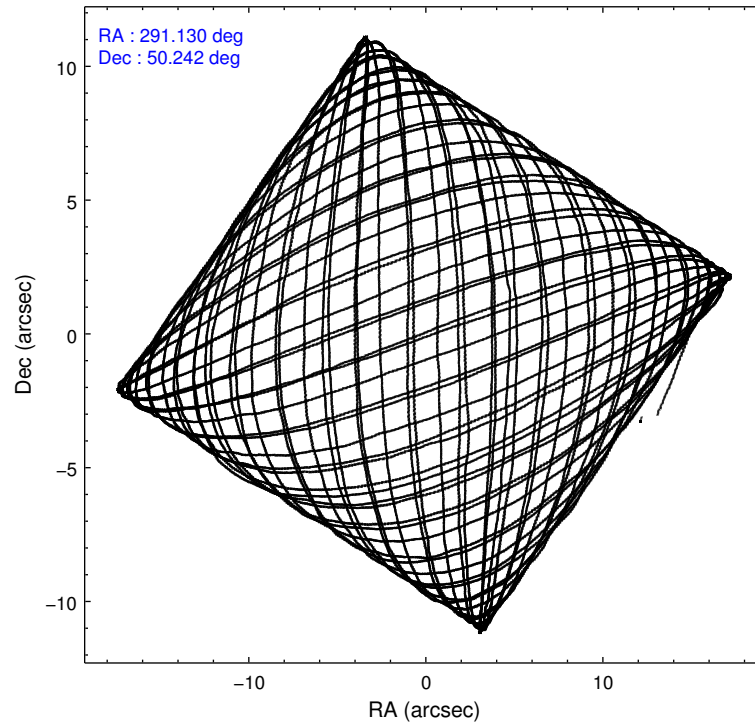
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	231927	227382	235240	331275
rejected events	203799	199325	206335	190572
rejected %	87%	87%	87%	57%

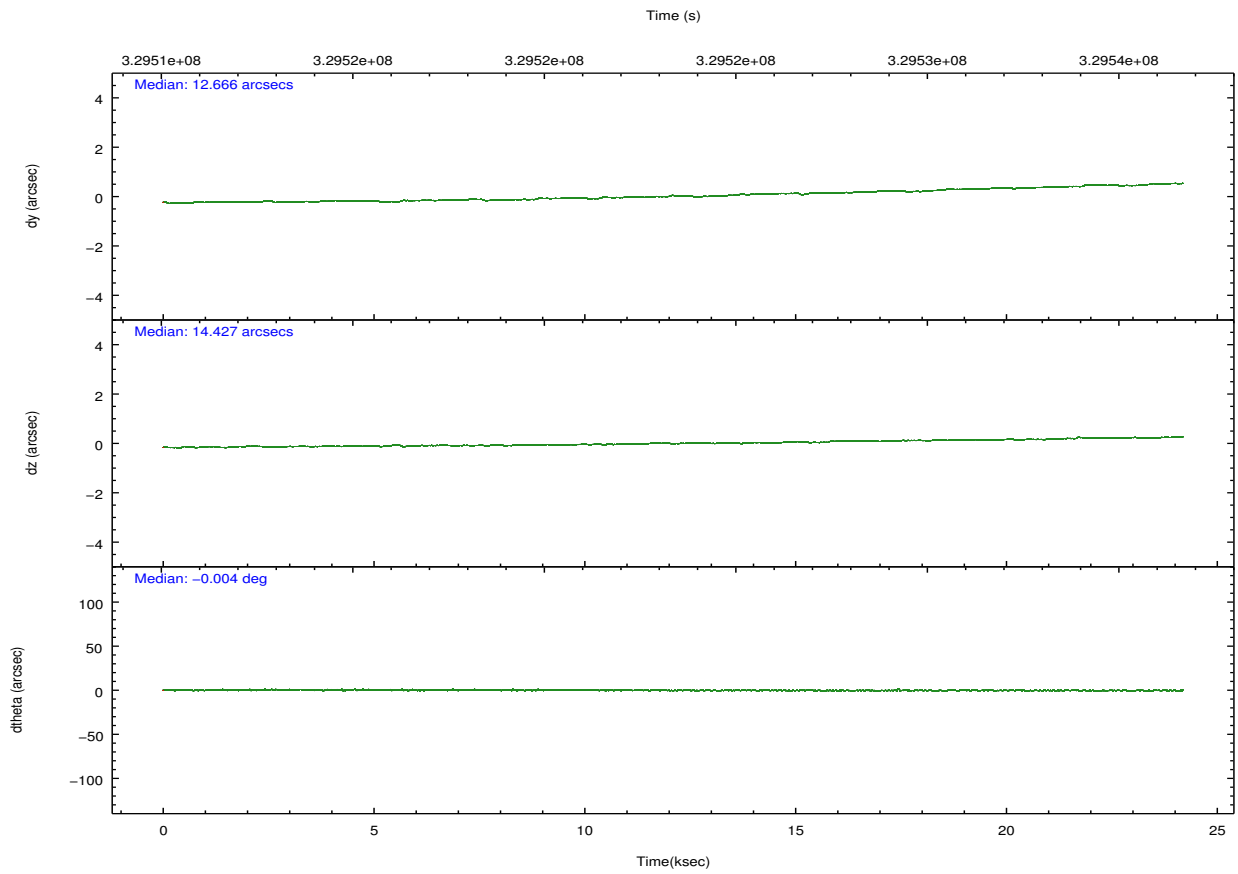
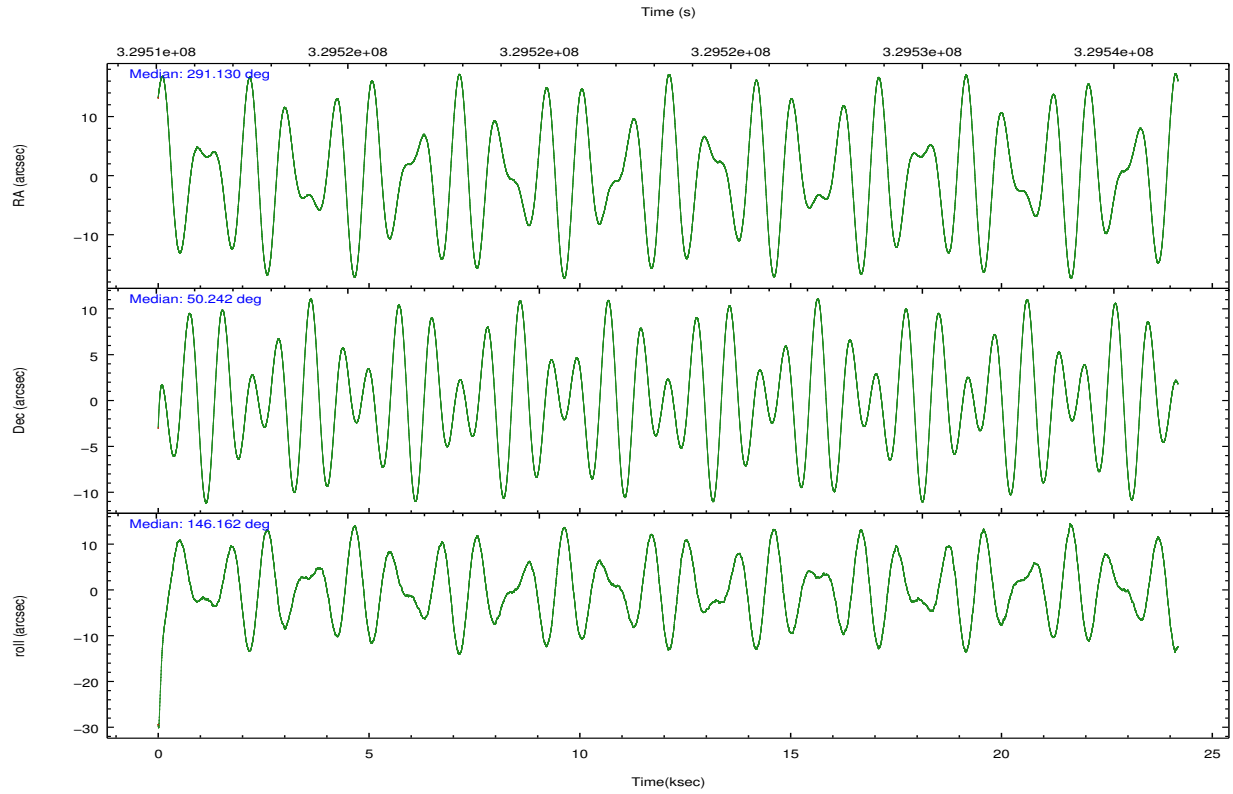
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	12323	12103	11416	13614
	5%	5%	4%	4%
grade 1 events	142	138	113	360
	0%	0%	0%	0%
grade 2 events	6117	5590	6243	29077
	2%	2%	2%	8%
grade 3 events	2555	2716	2760	12221
	1%	1%	1%	3%
grade 4 events	2529	2654	2608	11971
	1%	1%	1%	3%
grade 5 events	9165	10951	11170	30610
	3%	4%	4%	9%
grade 6 events	4612	4998	5884	73856
	1%	2%	2%	22%
grade 7 events	194484	188232	195046	159566
	83%	82%	82%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	291.172896	291.1302367108249	Subarray requested	NONE	NONE
[deg] Pointing Dec	50.240139	50.24160568121321	Alternating exposures requested	N	N
[deg] Pointing Roll	145.973003	146.1624160504621	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	329511448.184000	329510553.08267			
Observation start date	2008-06-10T18:56:23	2008-06-10T18:42:33			
[s] Observation end time (MET)	329535448.184000	329536135.54642			
Observation end date	2008-06-11T01:36:23	2008-06-11T01:48:55			
Read mode	TIMED	TIMED			

2.3 Aspect



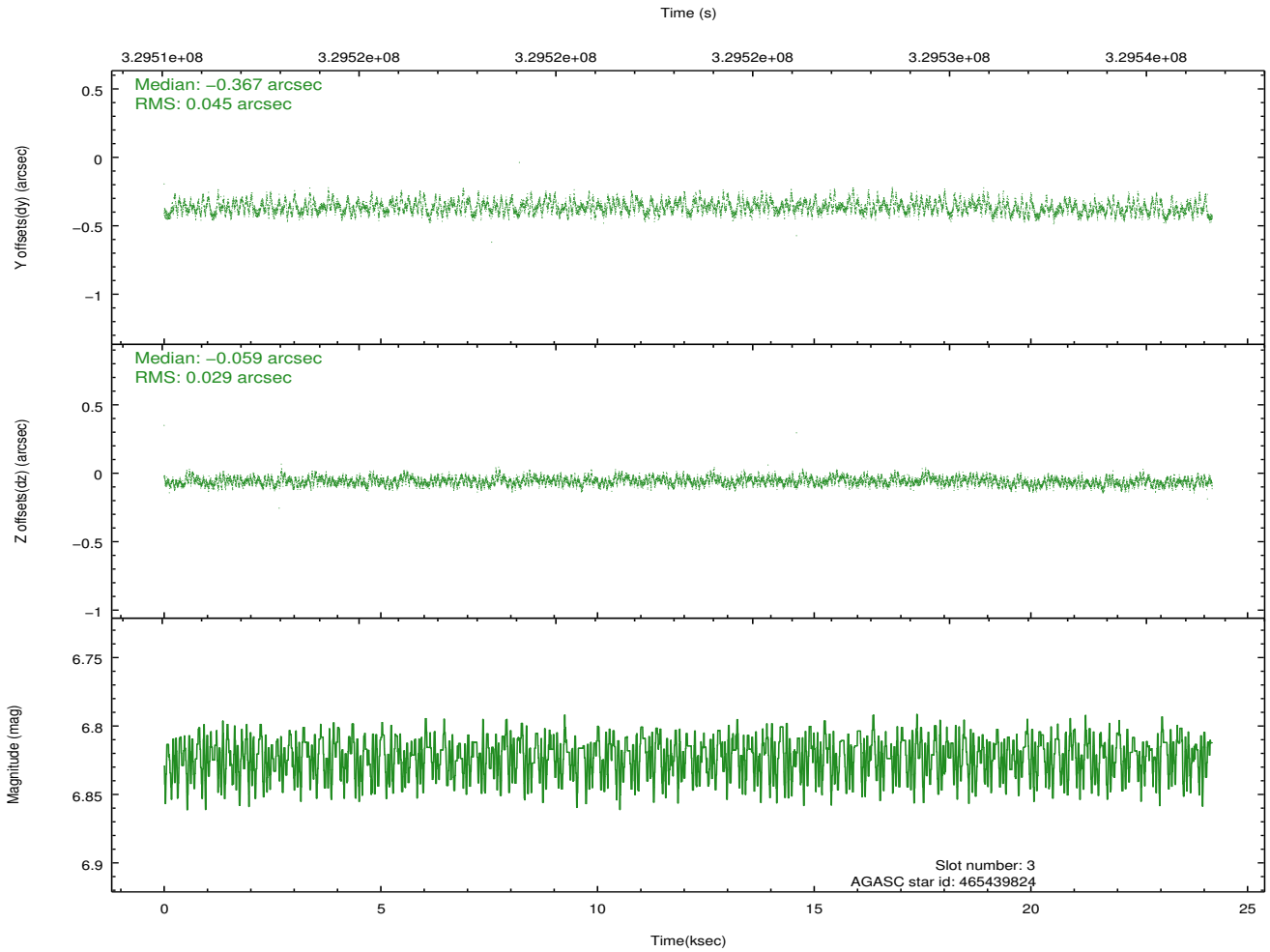
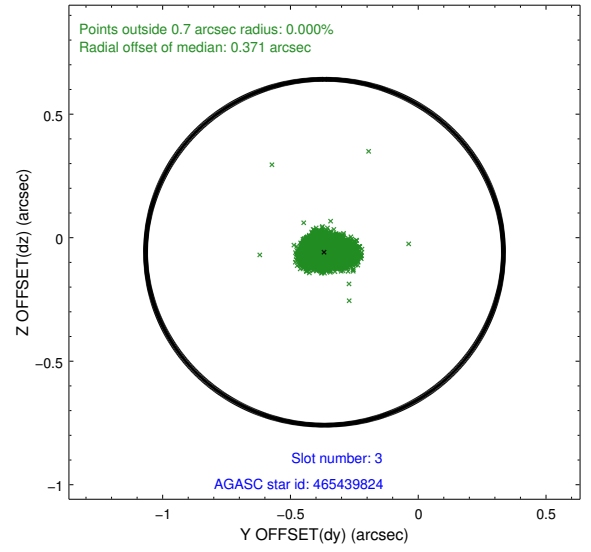
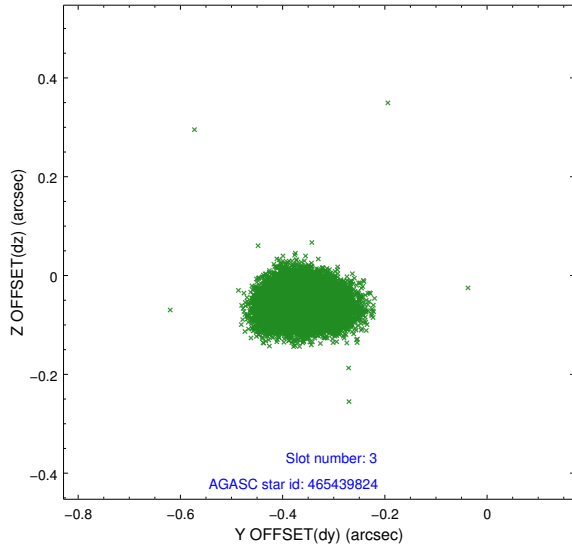


Slot Statistics

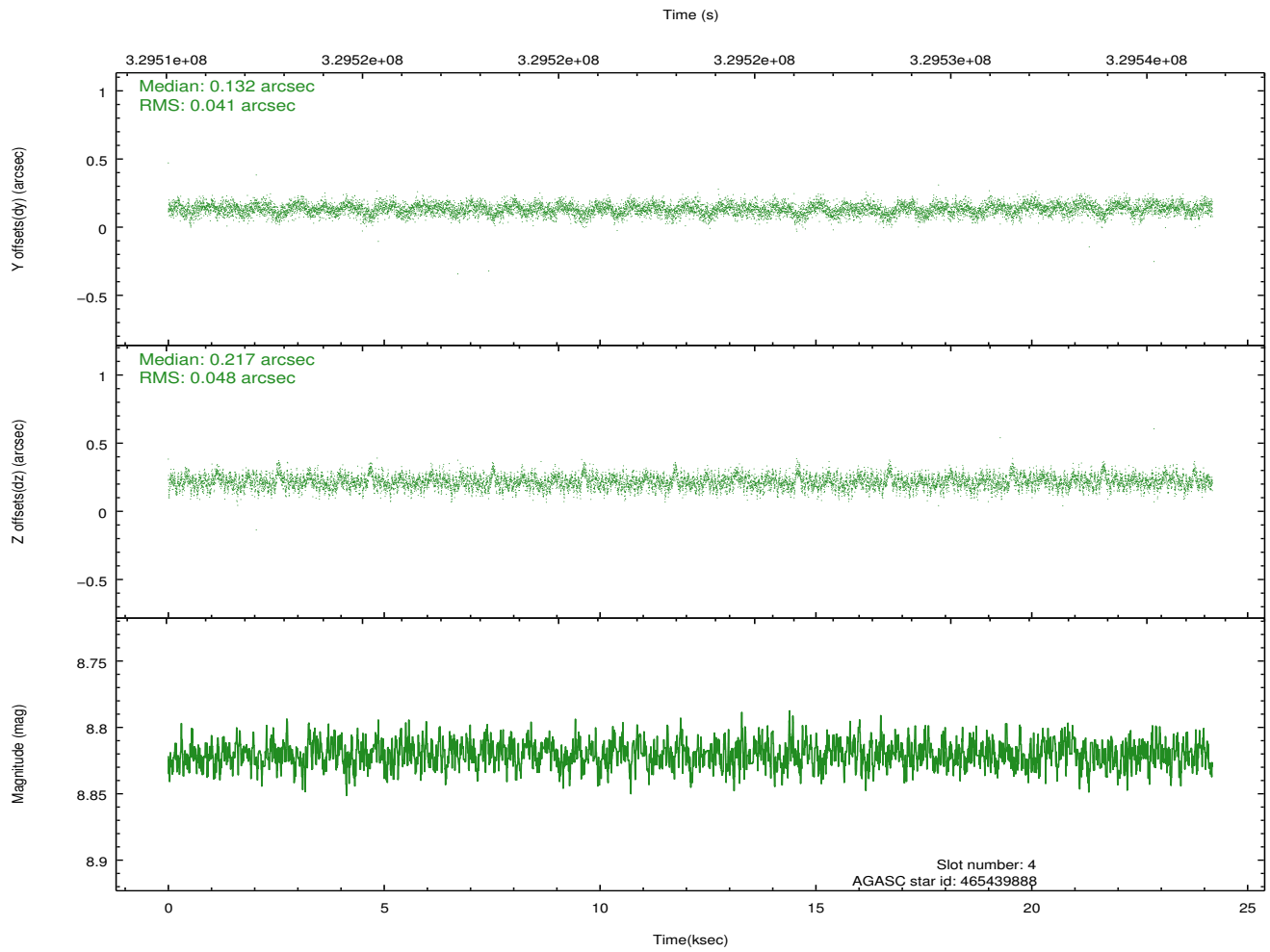
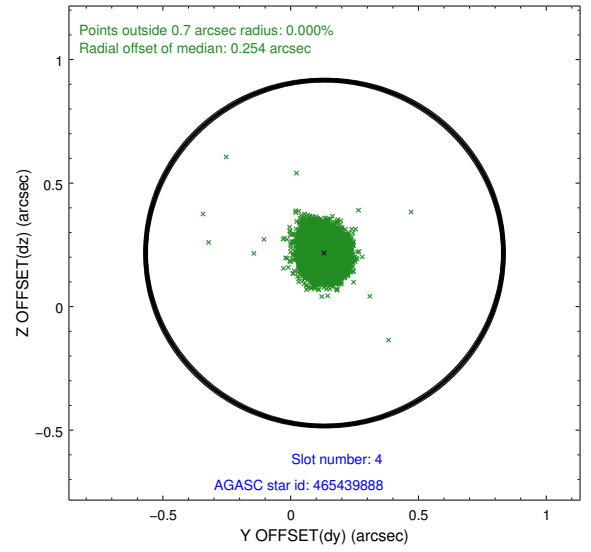
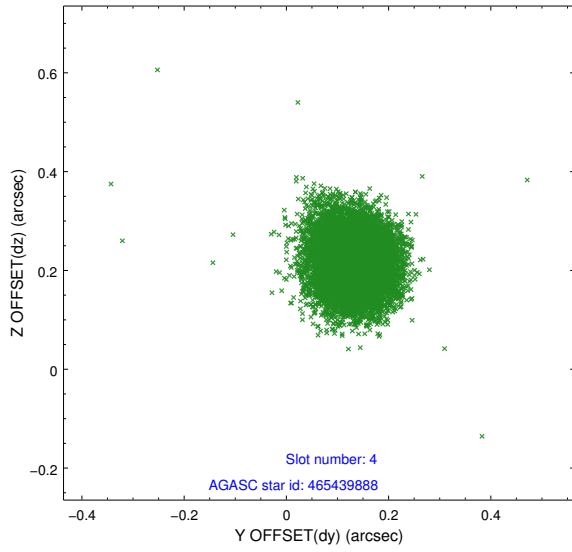
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	5900	-0.045	-0.022	0.009	0.015	0.000000	0.000000	-765.66	-1735.78
1	FID	ACIS-S-4	6.97	5900	0.136	0.027	0.012	0.019	0.000000	0.000000	2147.73	172.64
2	FID	ACIS-S-5	7.00	5899	-0.122	0.003	0.011	0.016	0.000000	0.000000	-1818.43	166.40
3	GUIDE	465439824	6.82	11798	-0.367	-0.059	0.056	0.091	290.131117	50.340225	2194.65	1026.76
4	GUIDE	465439888	8.82	11785	0.132	0.217	0.066	0.108	291.753626	50.234695	-1115.64	-735.67
5	GUIDE	465447224	8.27	11793	0.175	0.150	0.056	0.092	291.830226	50.402668	-918.52	-1334.01
6	GUIDE	465456704	7.00	11796	0.103	-0.237	0.079	0.127	290.849115	50.271291	681.43	322.47
7	BAD	465456712	5.24	3932	-0.135	-0.218	0.055	0.083	291.137777	50.241433	69.85	41.48

2.4 Star Slots

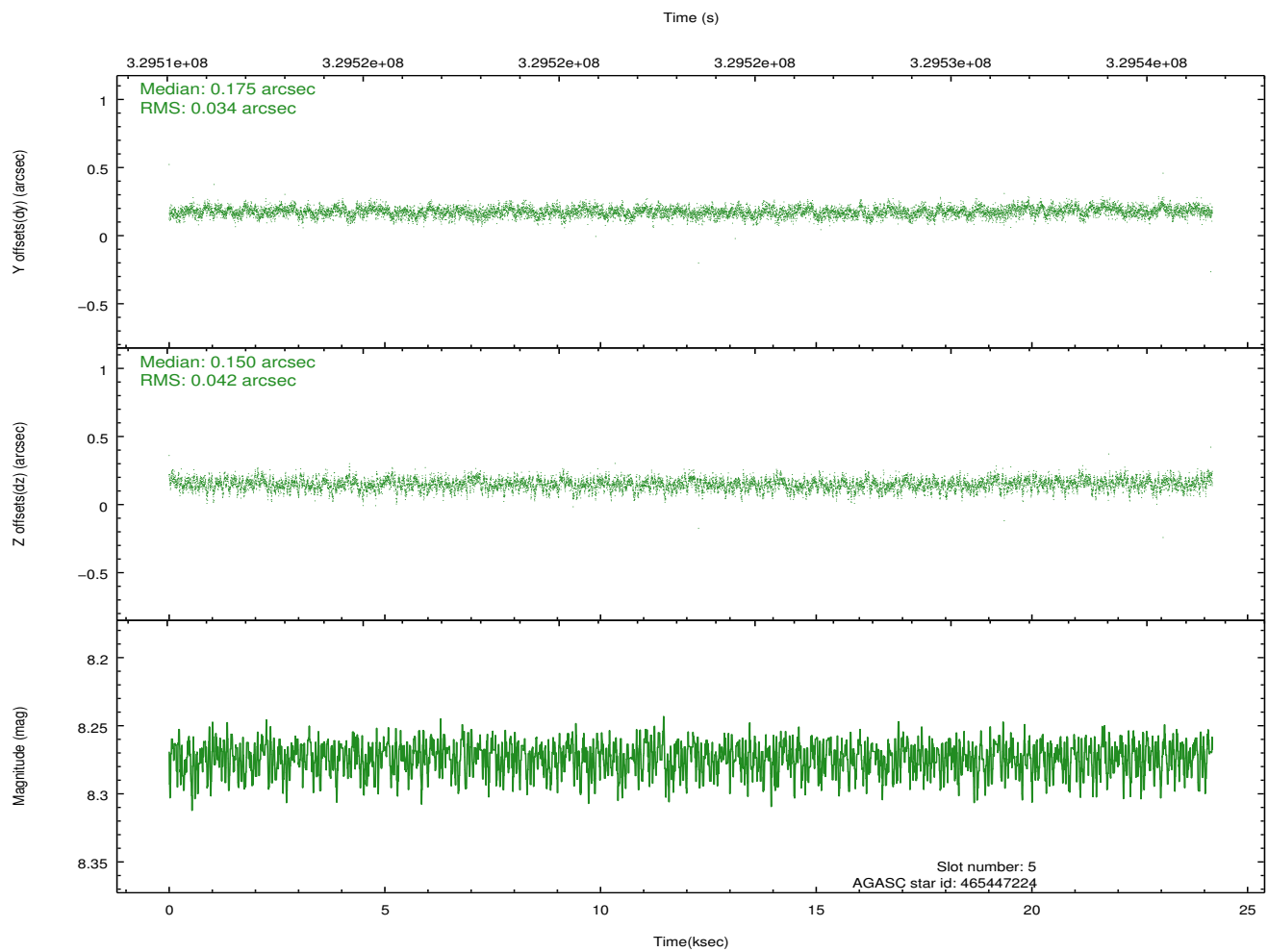
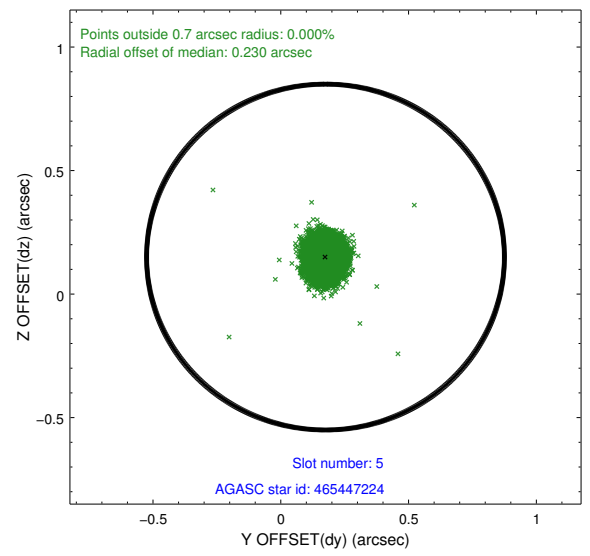
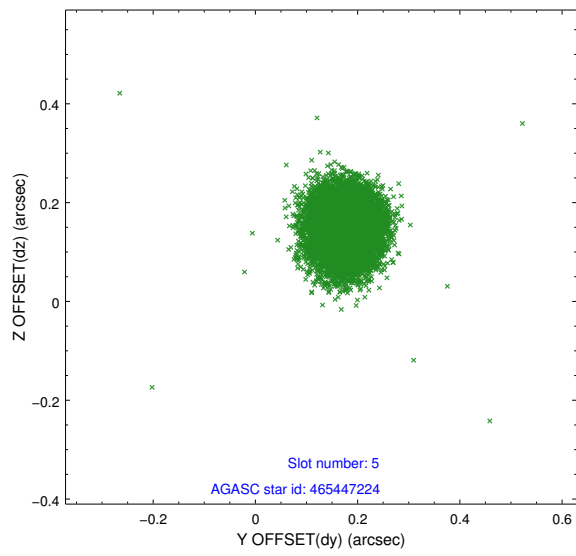
2.4.1 Slot 3



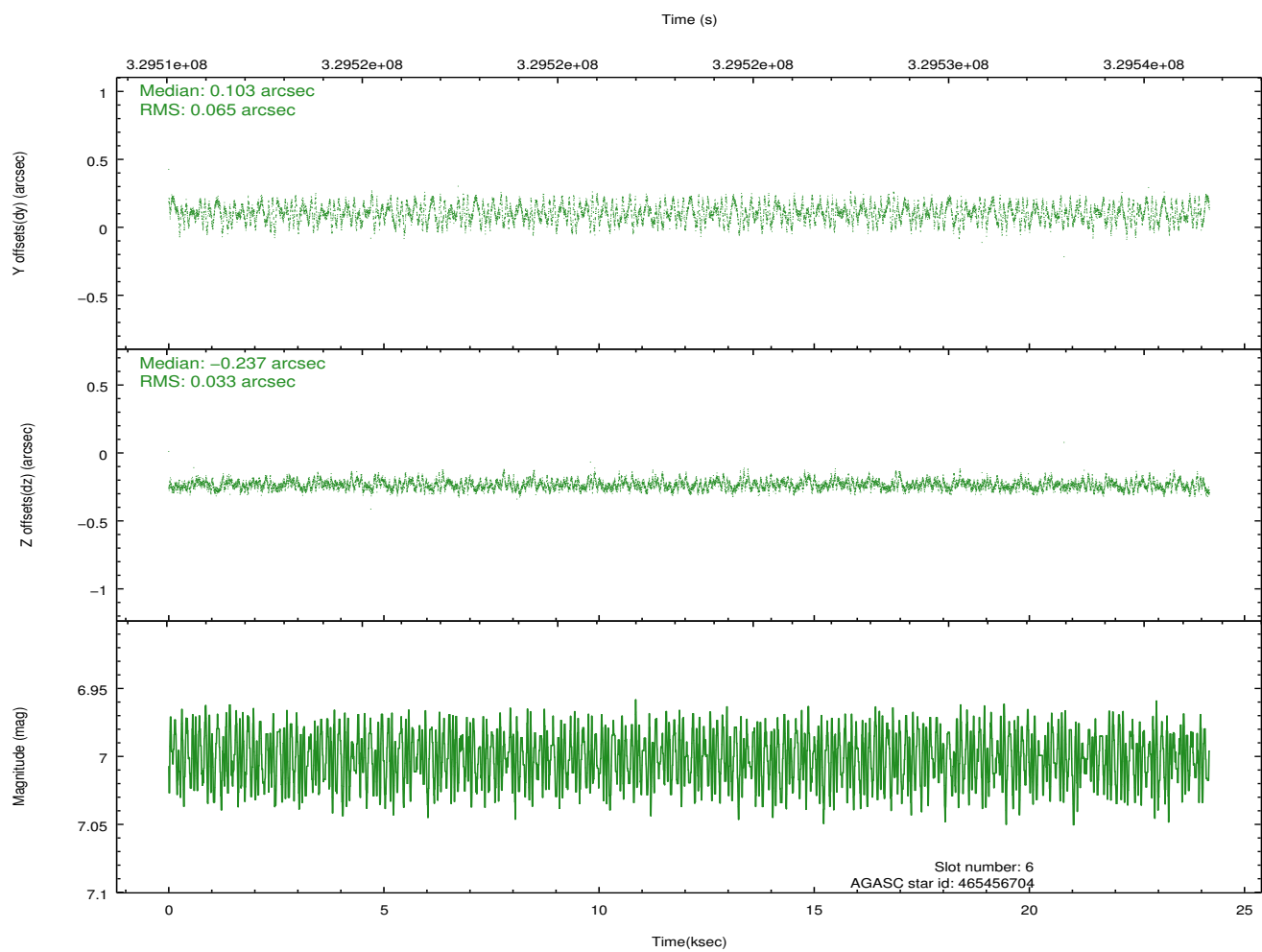
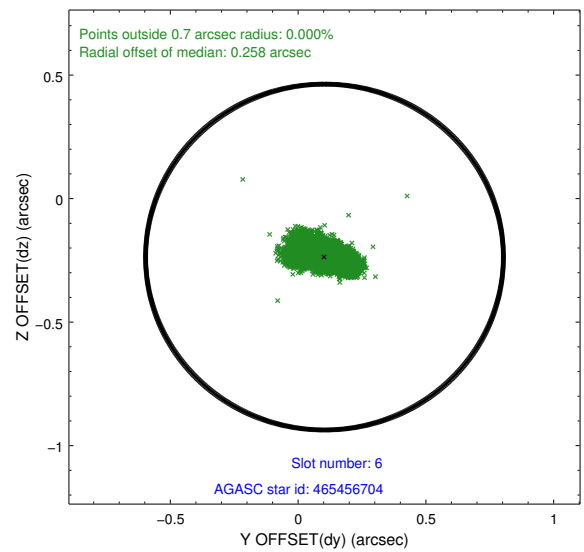
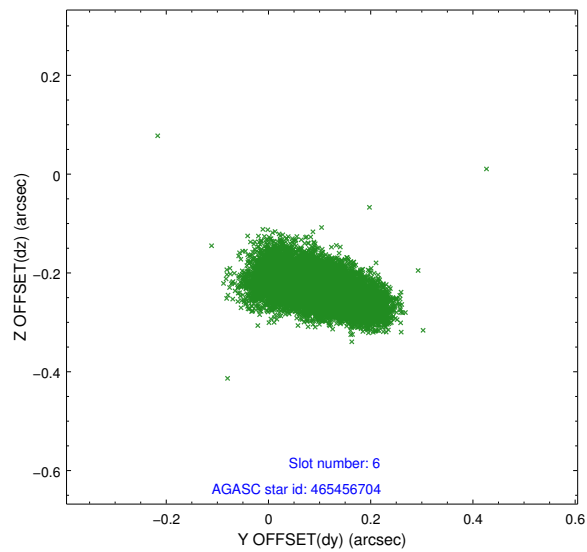
2.4.2 Slot 4



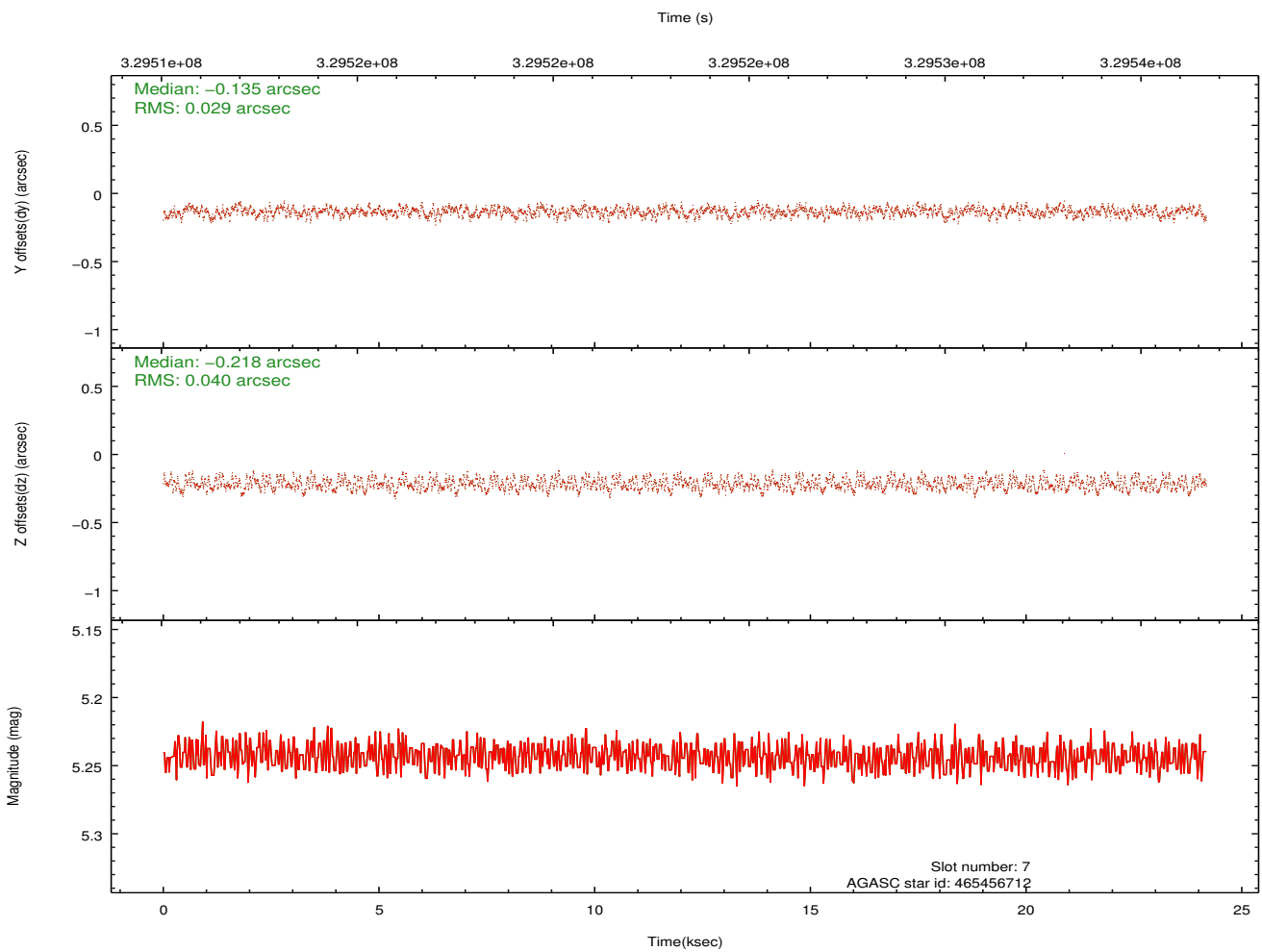
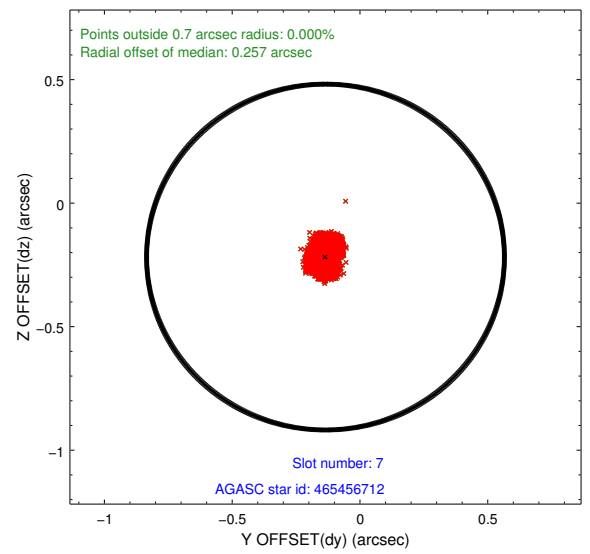
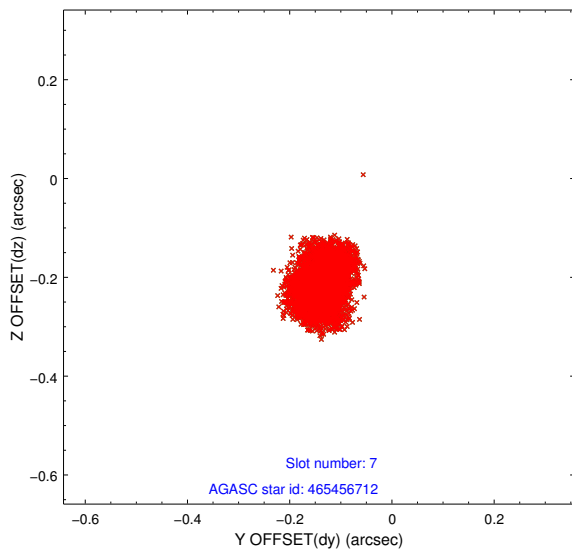
2.4.3 Slot 5



2.4.4 Slot 6

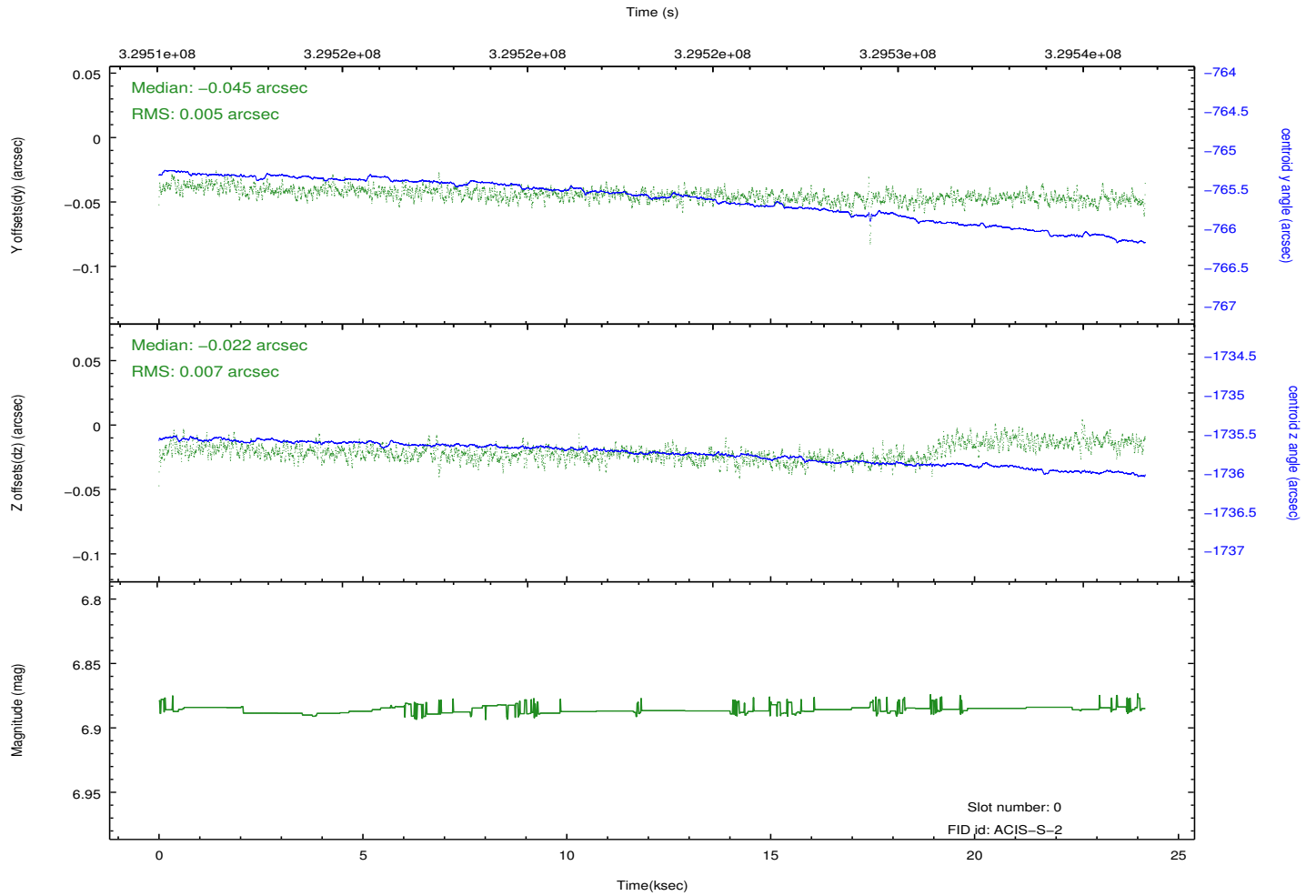
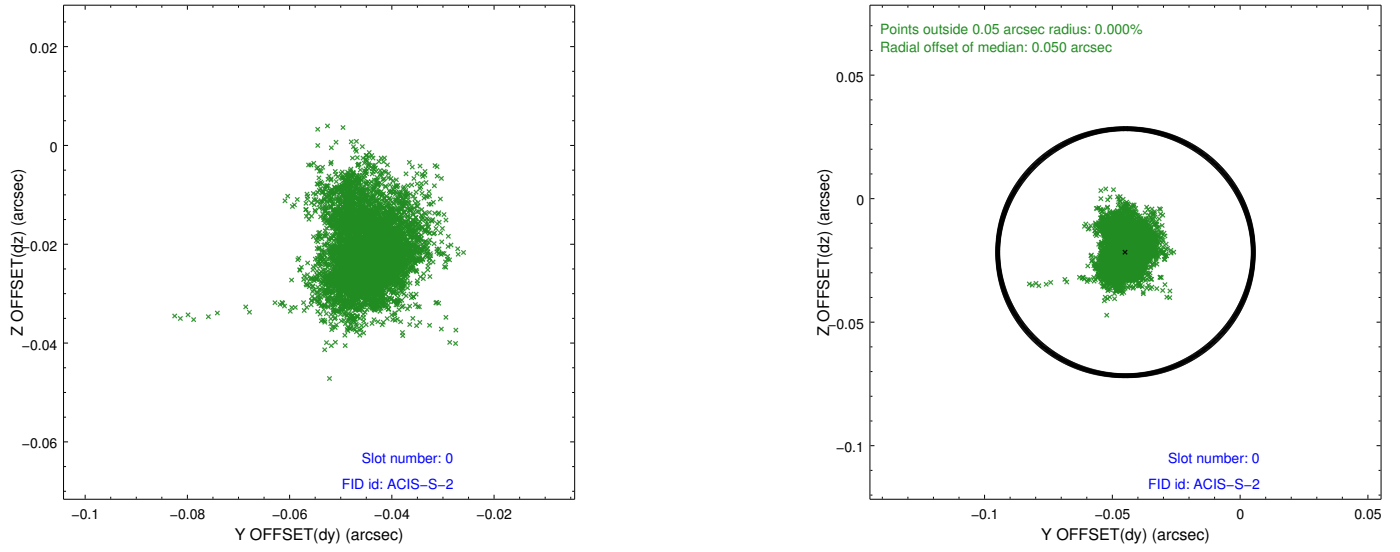


2.4.5 Slot 7

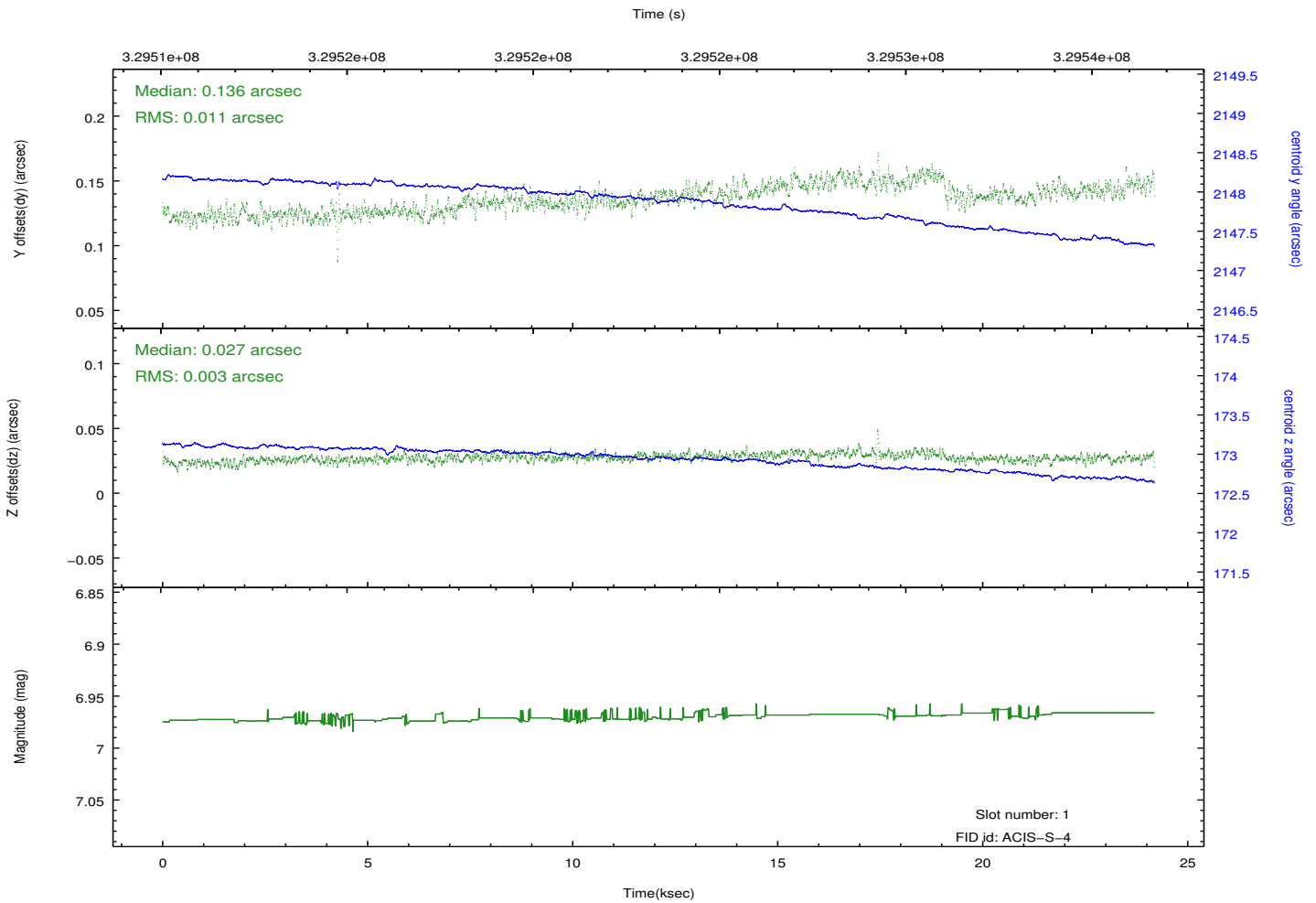
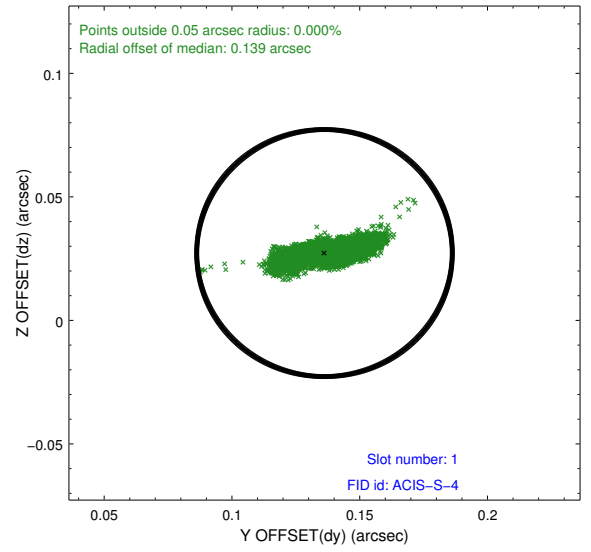
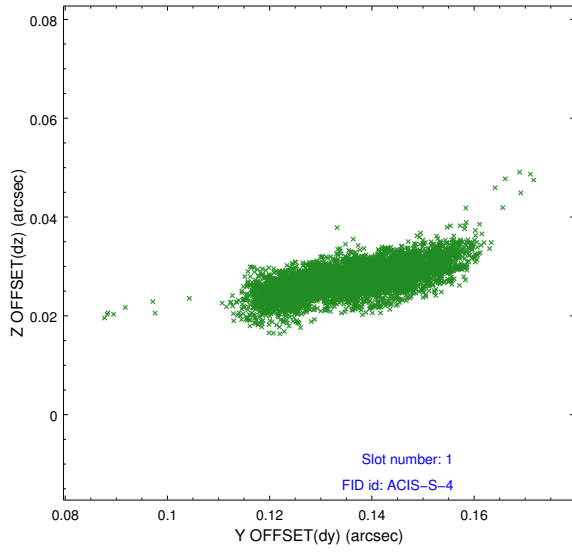


2.5 FID Slots

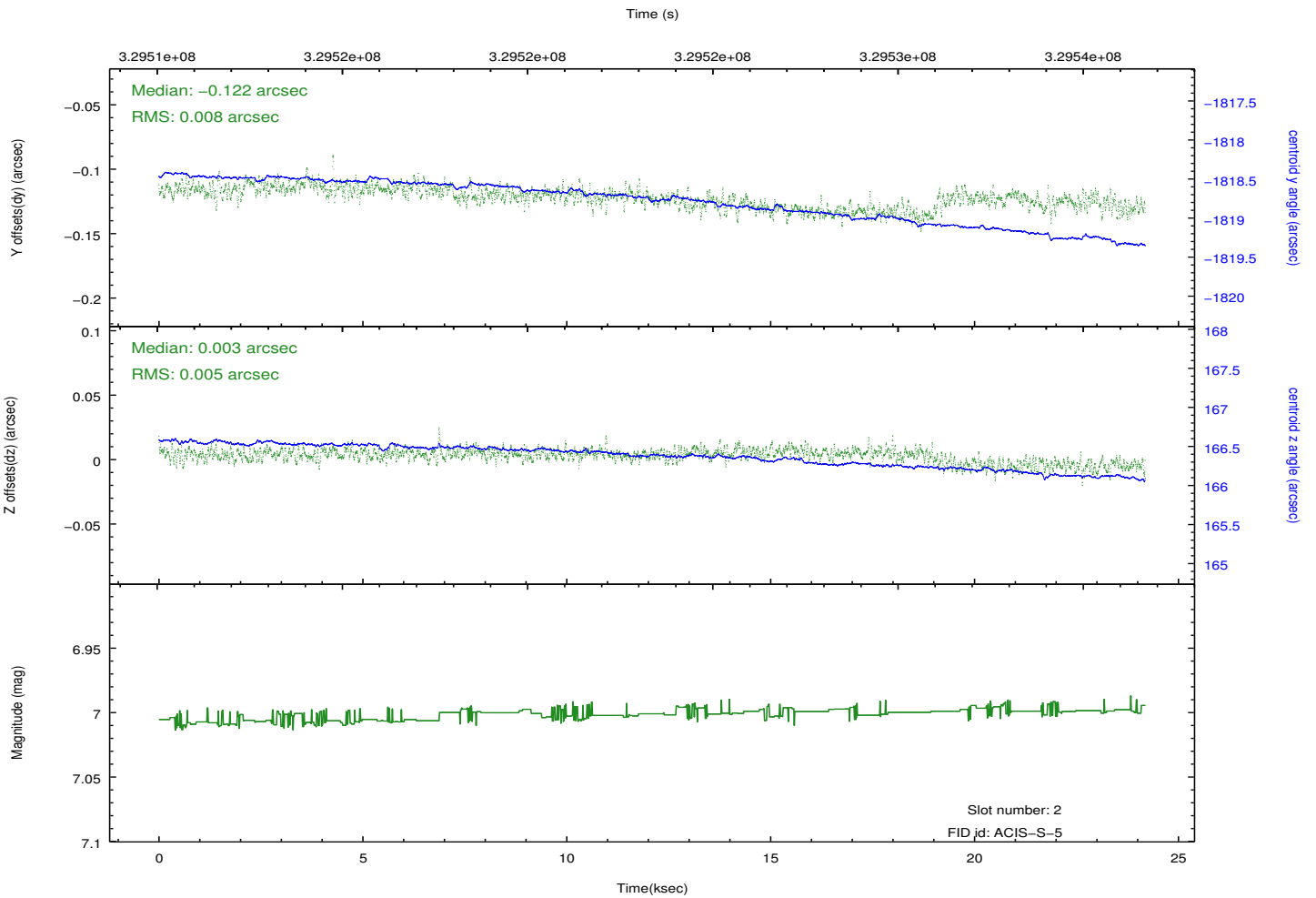
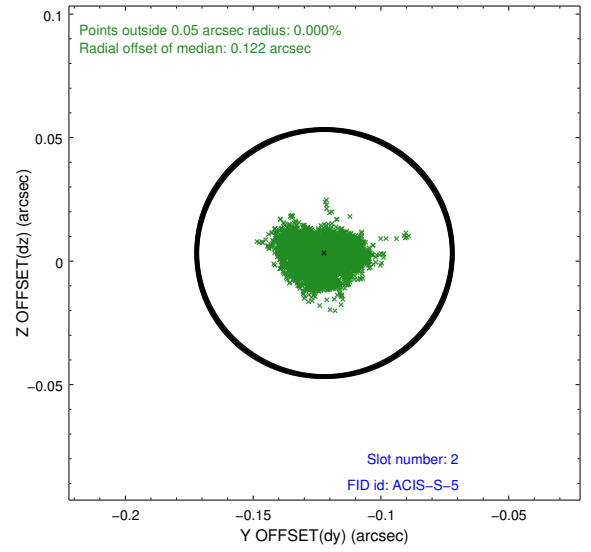
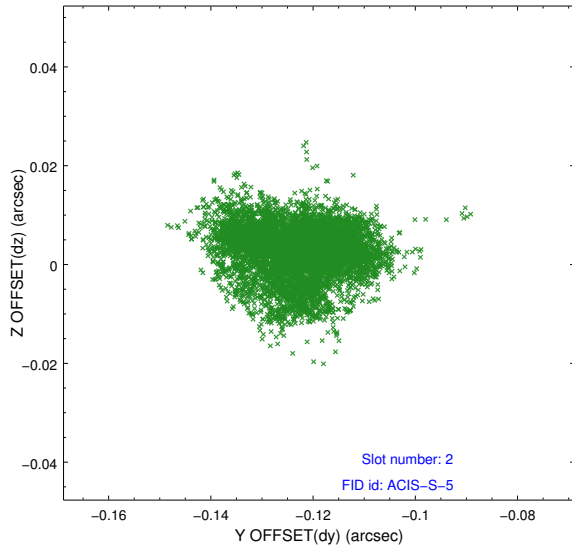
2.5.1 Slot 0



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)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.0994001

A.2 Comments

Joint proposal with HST and NRAO.