

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6949 - L2 Version 2
Chandra X-Ray Center

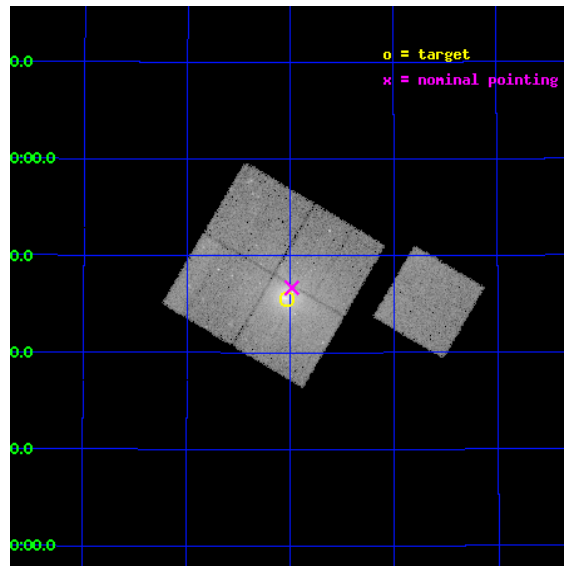
L2 Processing Date : Mar 30 2012

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1 Front

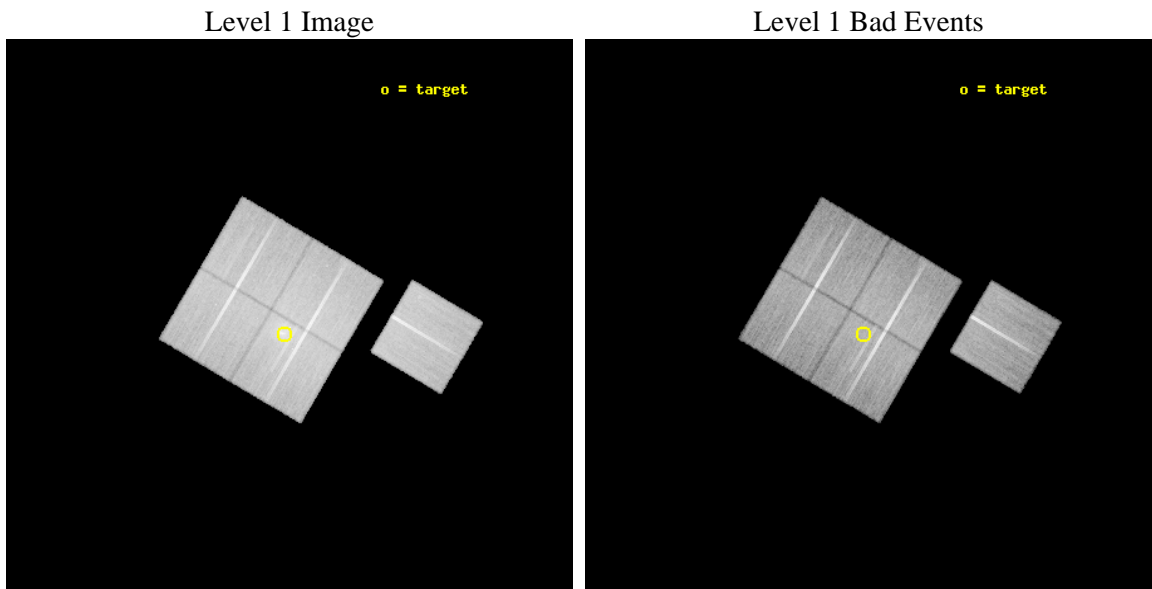
seq_num	800582	Sequence number
obs_id	6949	Observation id
title	Chronicling the Activity of a Supermassive Black Hole	Proposal tit
observer	Dr. william forman	Principal investigator
object	IC1262	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.259167	Observer's specified target RA [deg]
dec_targ	43.75925	Observer's specified target Dec [deg]
ra_nom	263.24663842066	Nominal RA [deg]
dec_nom	43.778250508022	Nominal Dec [deg]
roll_nom	120.54990238954	Nominal Roll [deg]
revision	2	Processing version of data
ontime	39112.192483723	Sum of GTIs [s]
livetime	38601.162894946	Livetime [s]
ontime0	39105.787423193	Sum of GTIs [s]
ontime1	39105.828443199	Sum of GTIs [s]
ontime2	39102.728513092	Sum of GTIs [s]
ontime3	39112.192483723	Sum of GTIs [s]
ontime6	39108.88735345	Sum of GTIs [s]
l2events	167691	Number of level 2 events



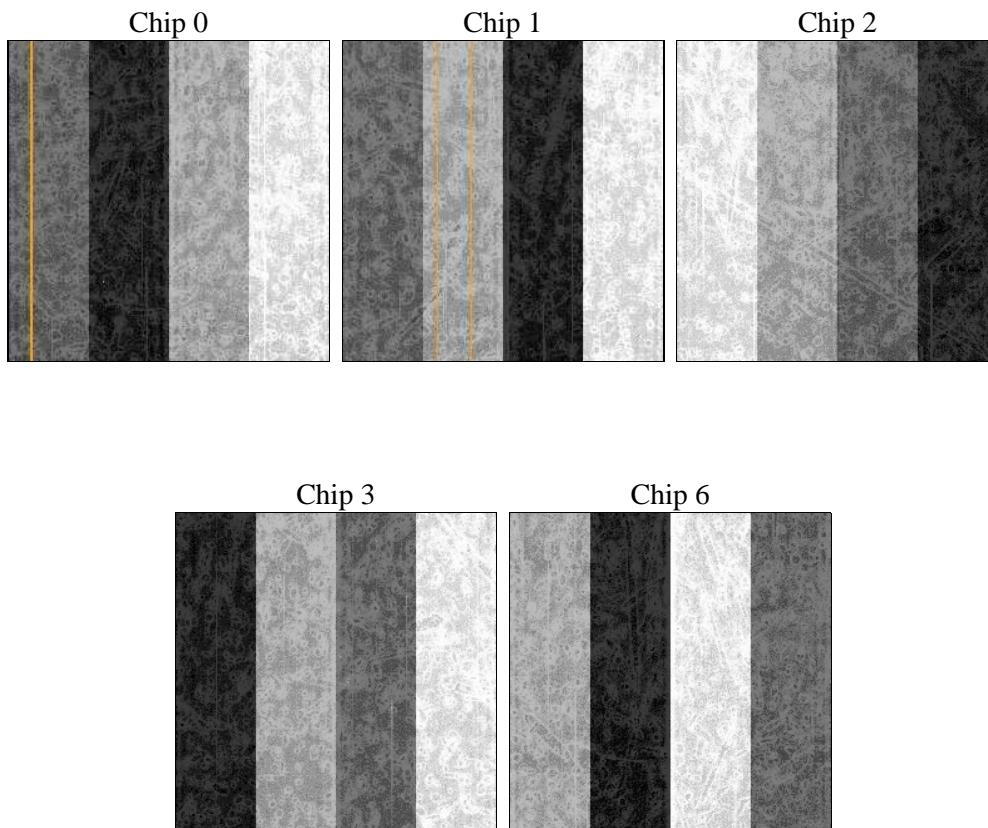
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	39070.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	39112.192483723	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	39105.787423193	Sum of GTIs [s]
date	2012-03-30T06:22:46	Date and time of file creation	ontime1	39105.828443199	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	39102.728513092	Sum of GTIs [s]
			ontime3	39112.192483723	Sum of GTIs [s]
			ontime6	39108.88735345	Sum of GTIs [s]
			l1events	1489810	Number of level 1 events

2.1.4 Events

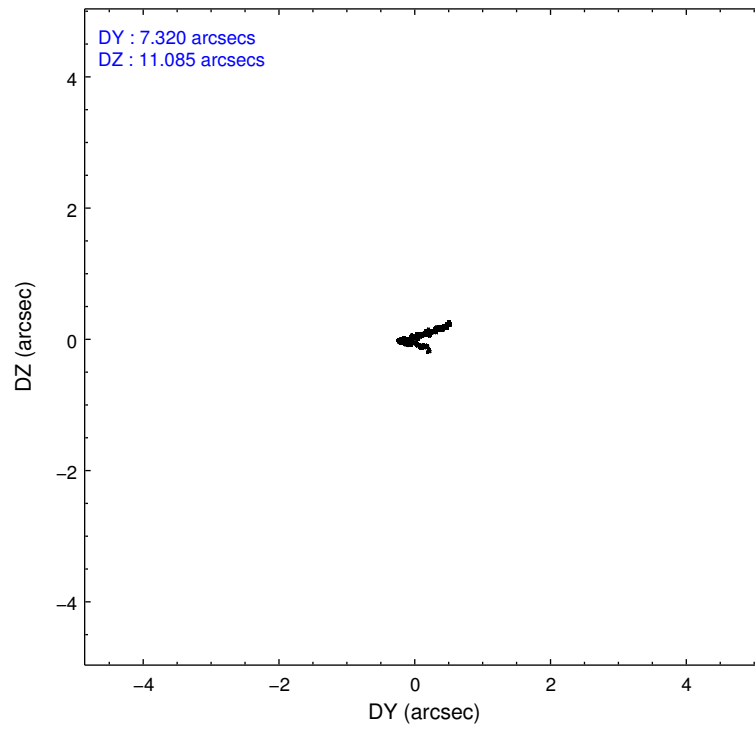
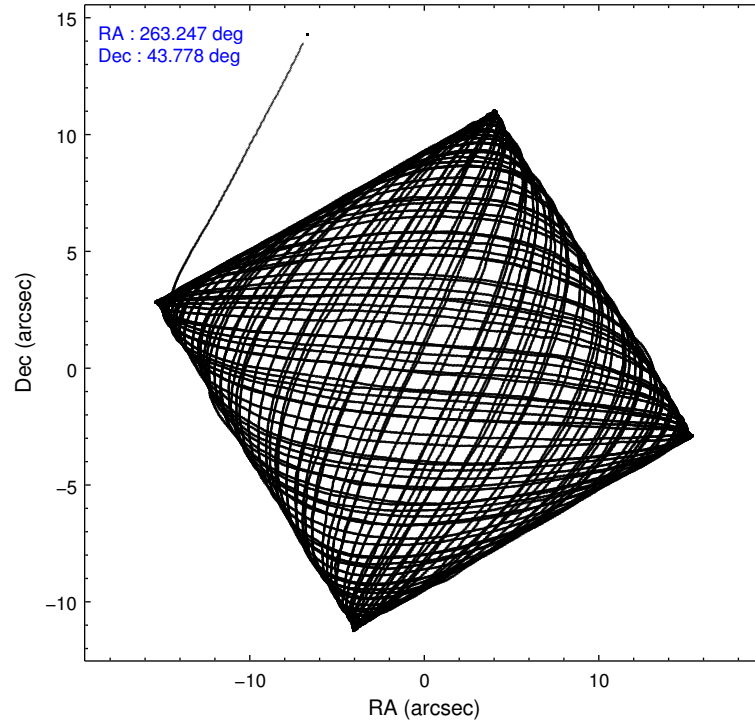
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	273967	279397	317620	332955	285871
rejected events	243822	242835	281061	270830	256473
rejected %	88%	86%	88%	81%	89%

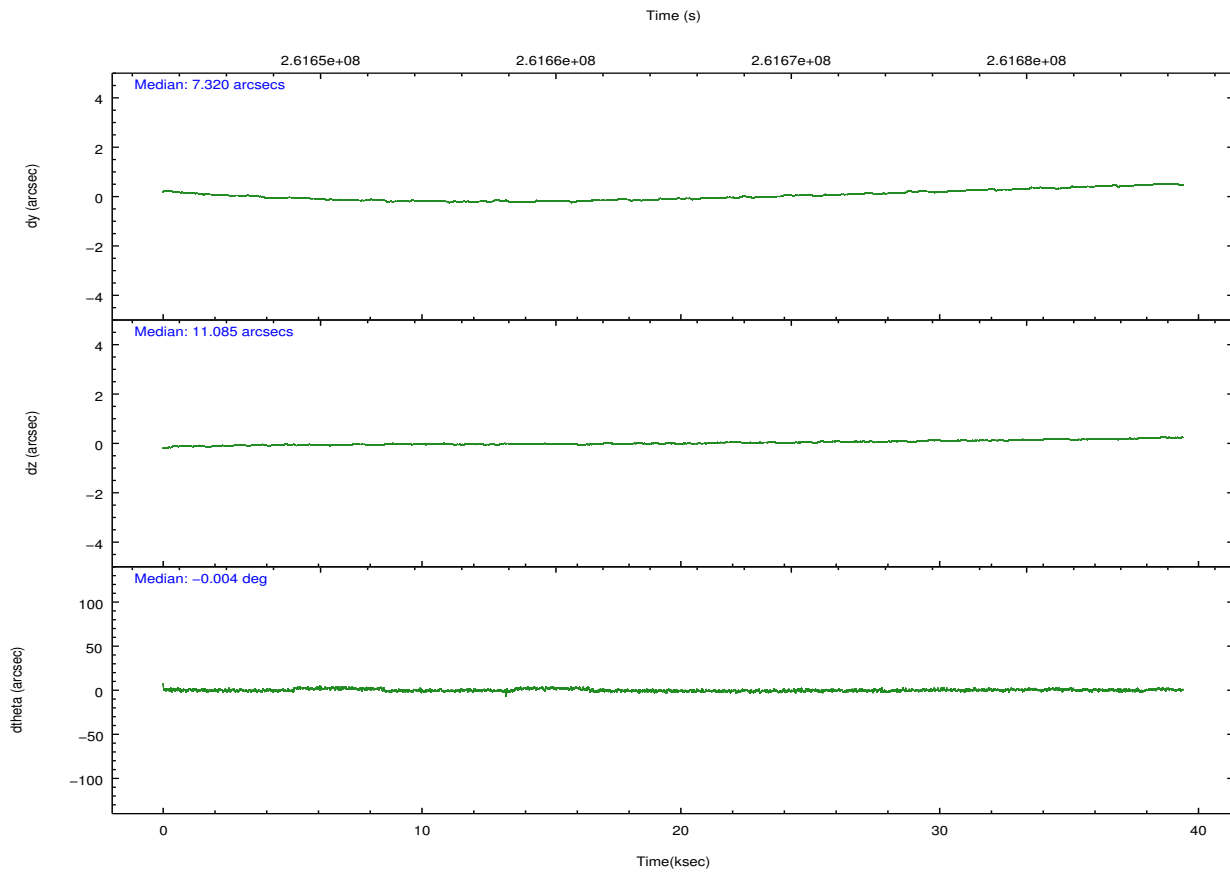
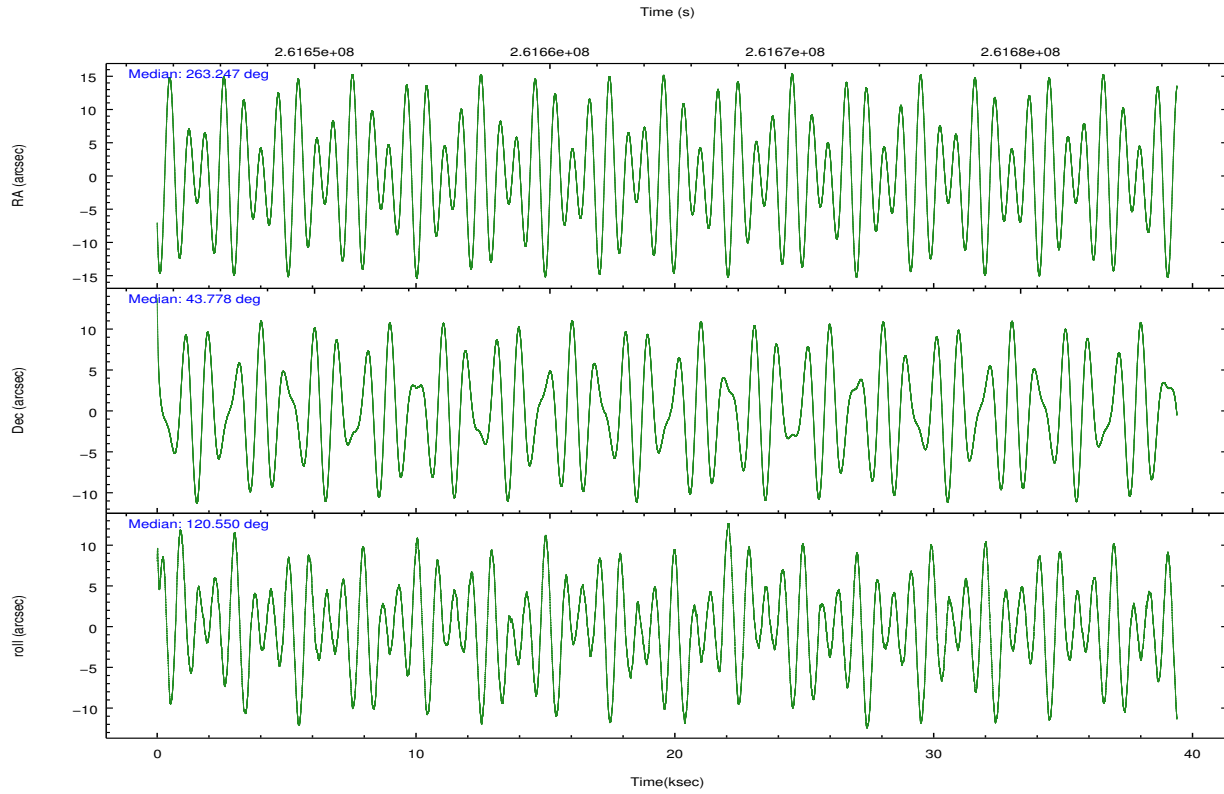
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11547	15594	17420	39562	10441
	4%	5%	5%	11%	3%
grade 1 events	144	168	202	321	175
	0%	0%	0%	0%	0%
grade 2 events	6878	7364	7285	8836	6338
	2%	2%	2%	2%	2%
grade 3 events	3363	3635	3311	3908	3247
	1%	1%	1%	1%	1%
grade 4 events	3009	3491	3369	3924	3148
	1%	1%	1%	1%	1%
grade 5 events	9602	10784	9452	11631	11236
	3%	3%	2%	3%	3%
grade 6 events	5351	6481	5183	5903	6227
	1%	2%	1%	1%	2%
grade 7 events	234073	231880	271398	258870	245059
	85%	82%	85%	77%	85%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	263.279758	263.2466384206604	Subarray requested	NONE	NONE
[deg] Pointing Dec	43.764853	43.7782505080224	Alternating exposures requested	N	N
[deg] Pointing Roll	120.318301	120.5499023895395	[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	-228.592463	-228.5990329025337			
[mm] SIM translation stage offset	-5	-4.993420100396037			
[s] Observation start time (MET)	261645608.184000	261644542.36763			
Observation start date	2006-04-17T07:19:03	2006-04-17T07:02:22			
[s] Observation end time (MET)	261684678.184000	261685384.51954			
Observation end date	2006-04-17T18:10:13	2006-04-17T18:23:04			
Read mode	TIMED	TIMED			

2.3 Aspect



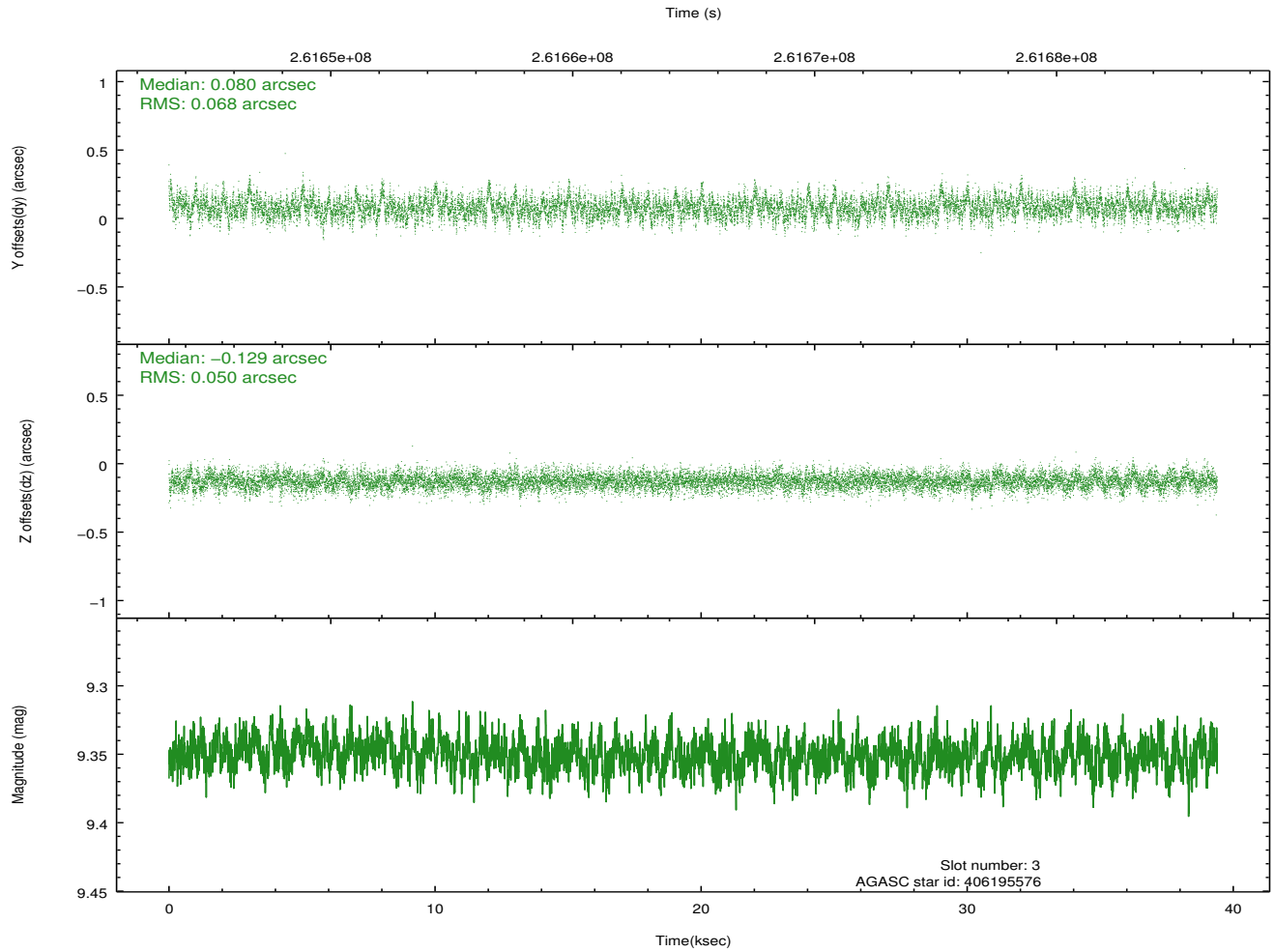
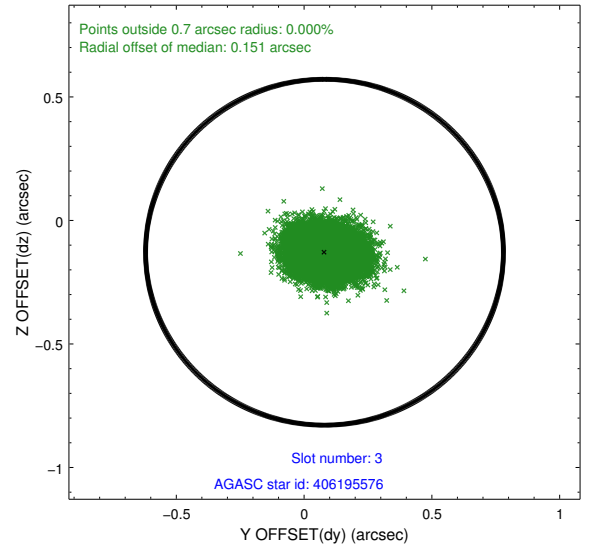
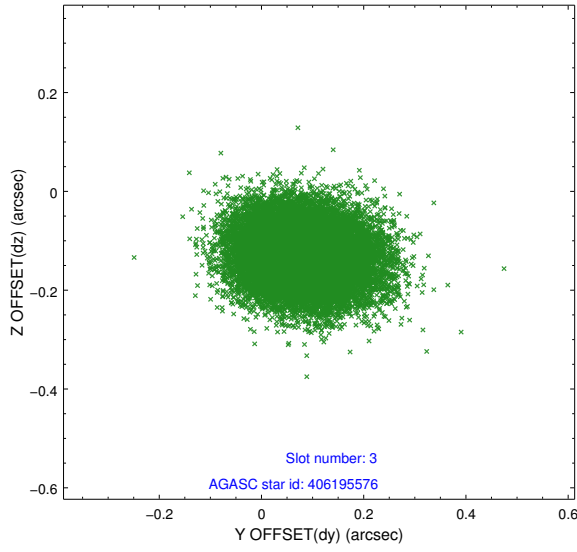


Slot Statistics

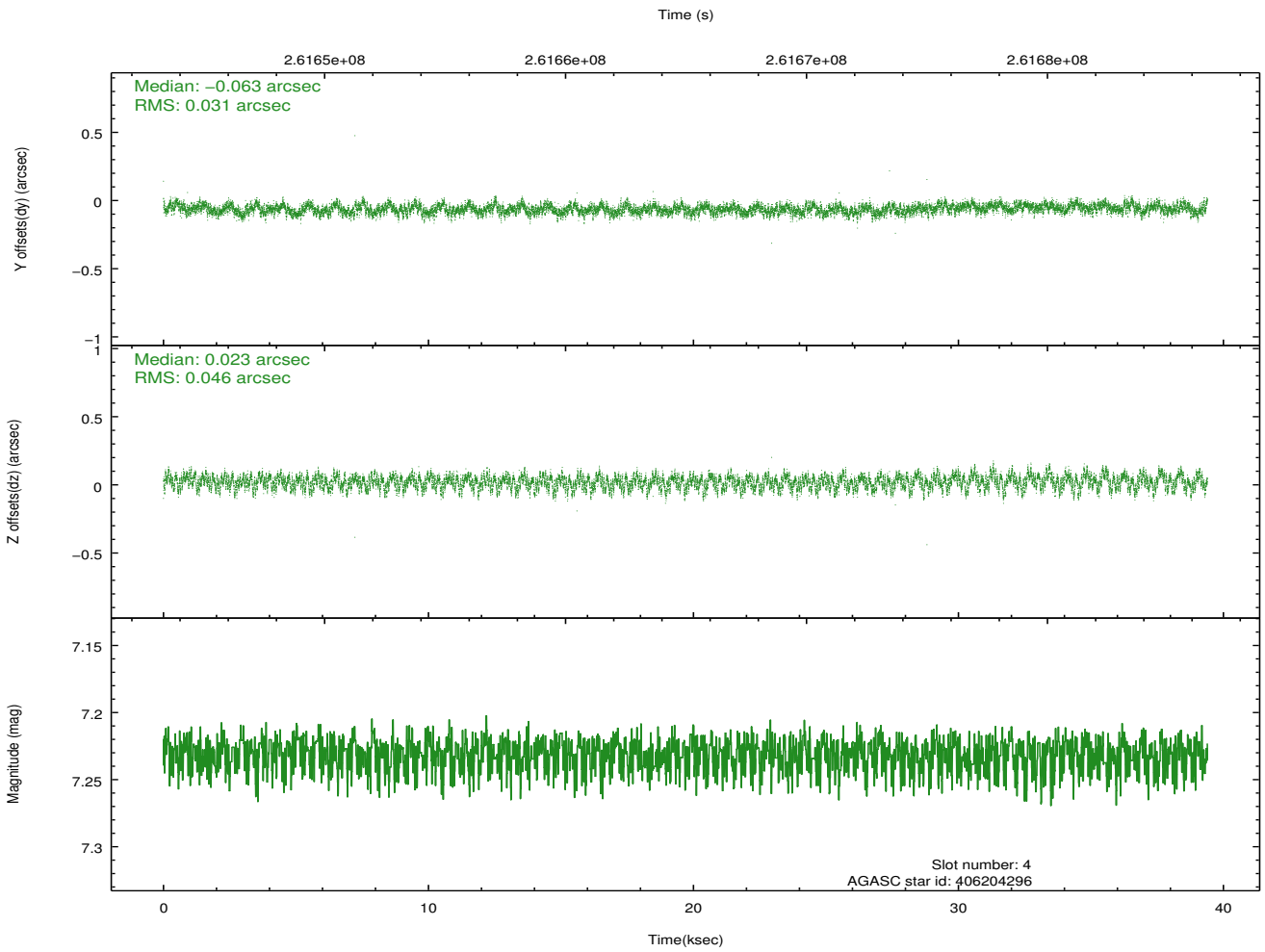
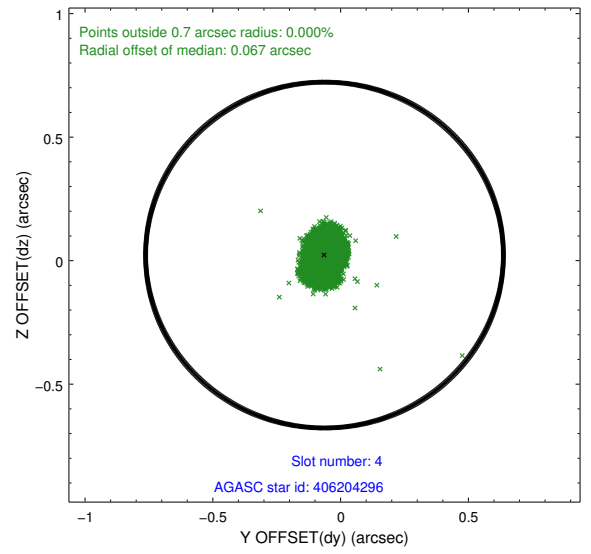
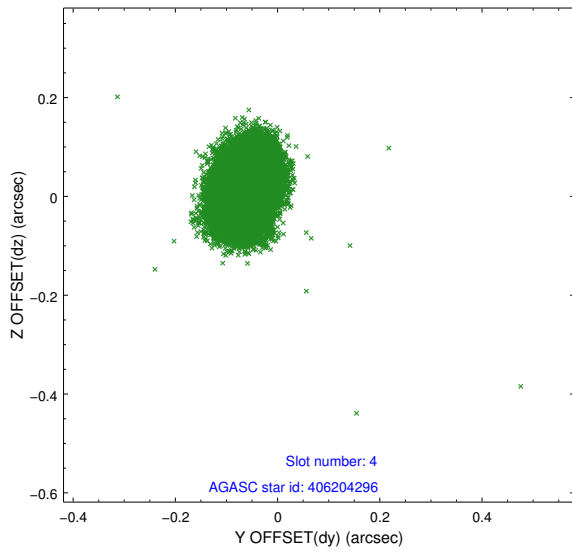
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	9610	-0.012	-0.009	0.013	0.022	0.000000	0.000000	932.24	-937.05
1	FID	ACIS-I-2	7.16	9609	-0.169	-0.043	0.011	0.018	0.000000	0.000000	-762.26	-942.95
2	FID	ACIS-I-4	7.14	9607	0.083	0.119	0.011	0.019	0.000000	0.000000	2151.85	963.53
3	GUIDE	406195576	9.35	19202	0.080	-0.129	0.089	0.148	263.106818	43.225469	-1446.81	1371.79
4	GUIDE	406204296	7.23	19216	-0.063	0.023	0.059	0.097	263.626842	43.500898	-1276.26	-303.32
5	GUIDE	406204472	9.73	19199	-0.052	0.022	0.098	0.161	262.558567	43.968299	1581.54	1241.55
6	GUIDE	406205248	7.03	19219	-0.029	0.044	0.060	0.094	263.672548	43.397249	-1659.34	-219.89
7	GUIDE	406073856	9.82	19204	0.064	0.044	0.116	0.187	262.091685	43.940537	2119.75	2328.23

2.4 Star Slots

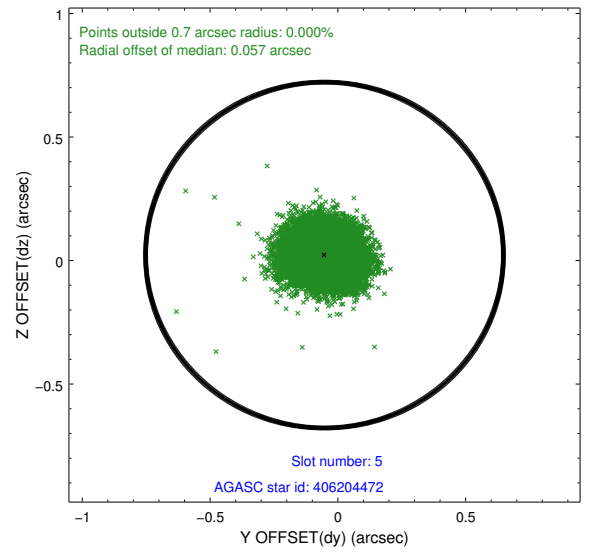
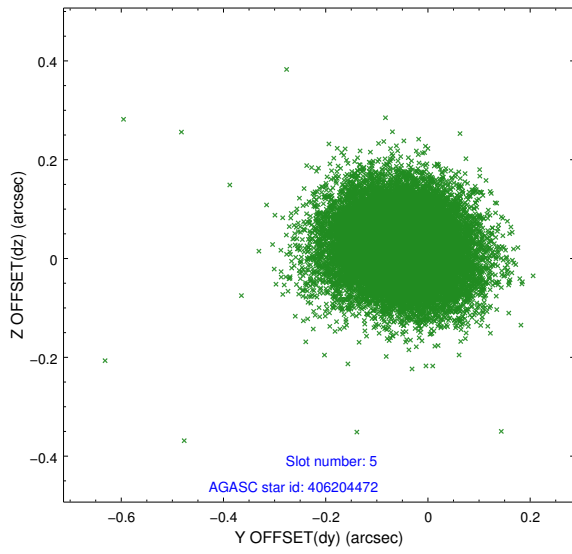
2.4.1 Slot 3



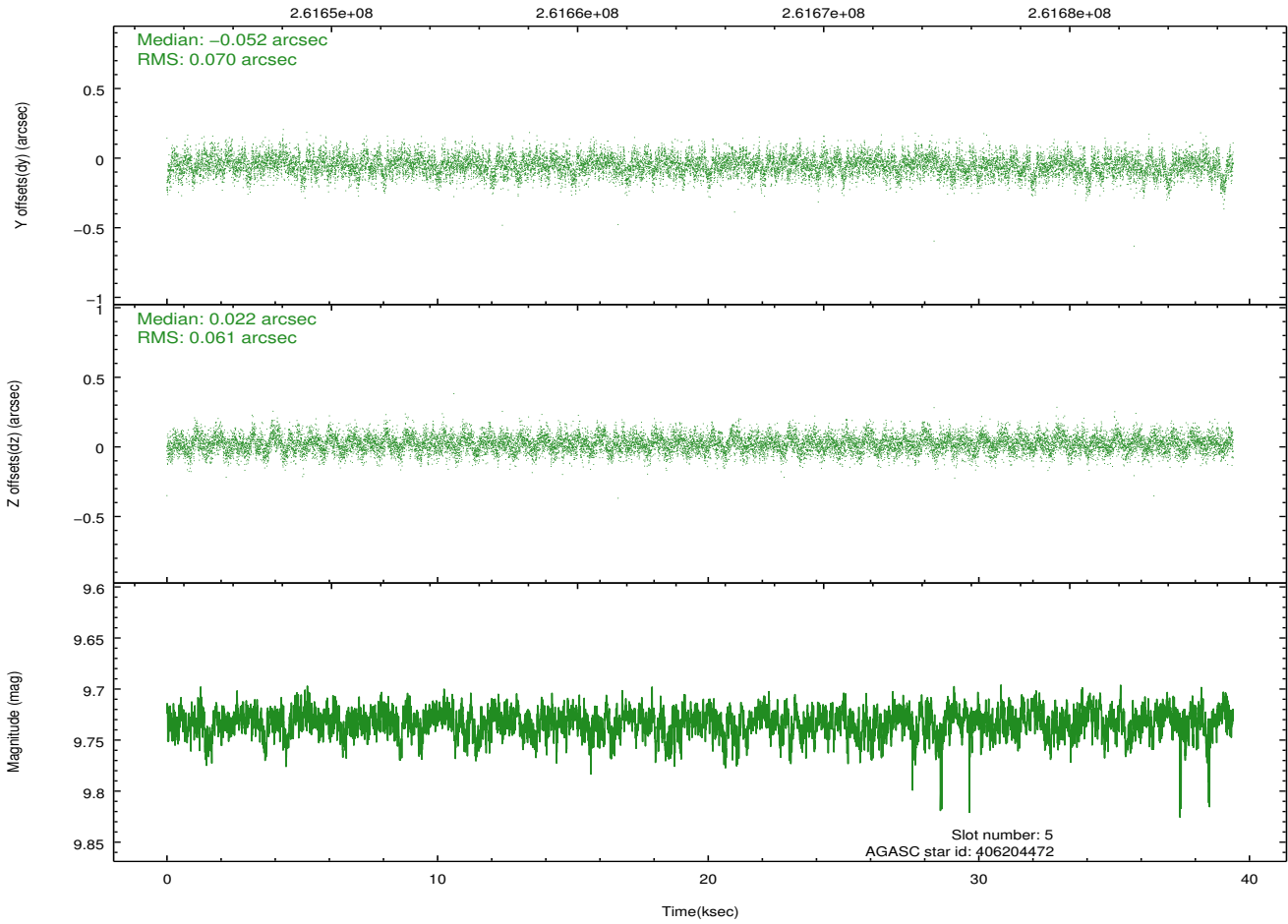
2.4.2 Slot 4



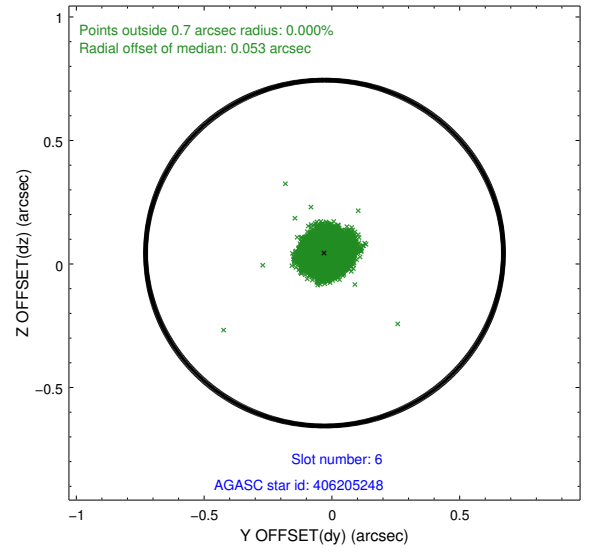
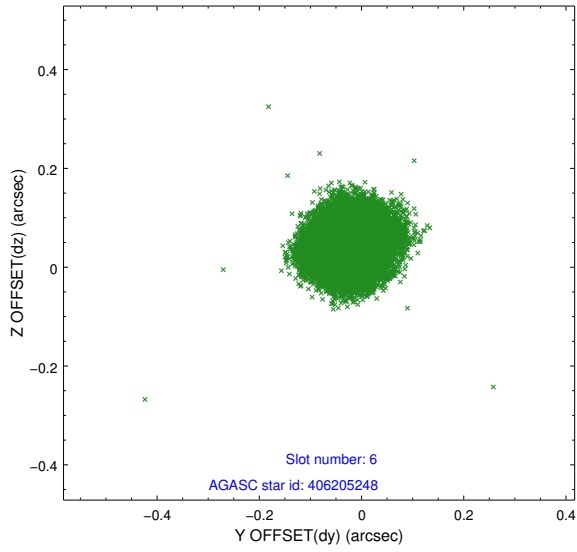
2.4.3 Slot 5



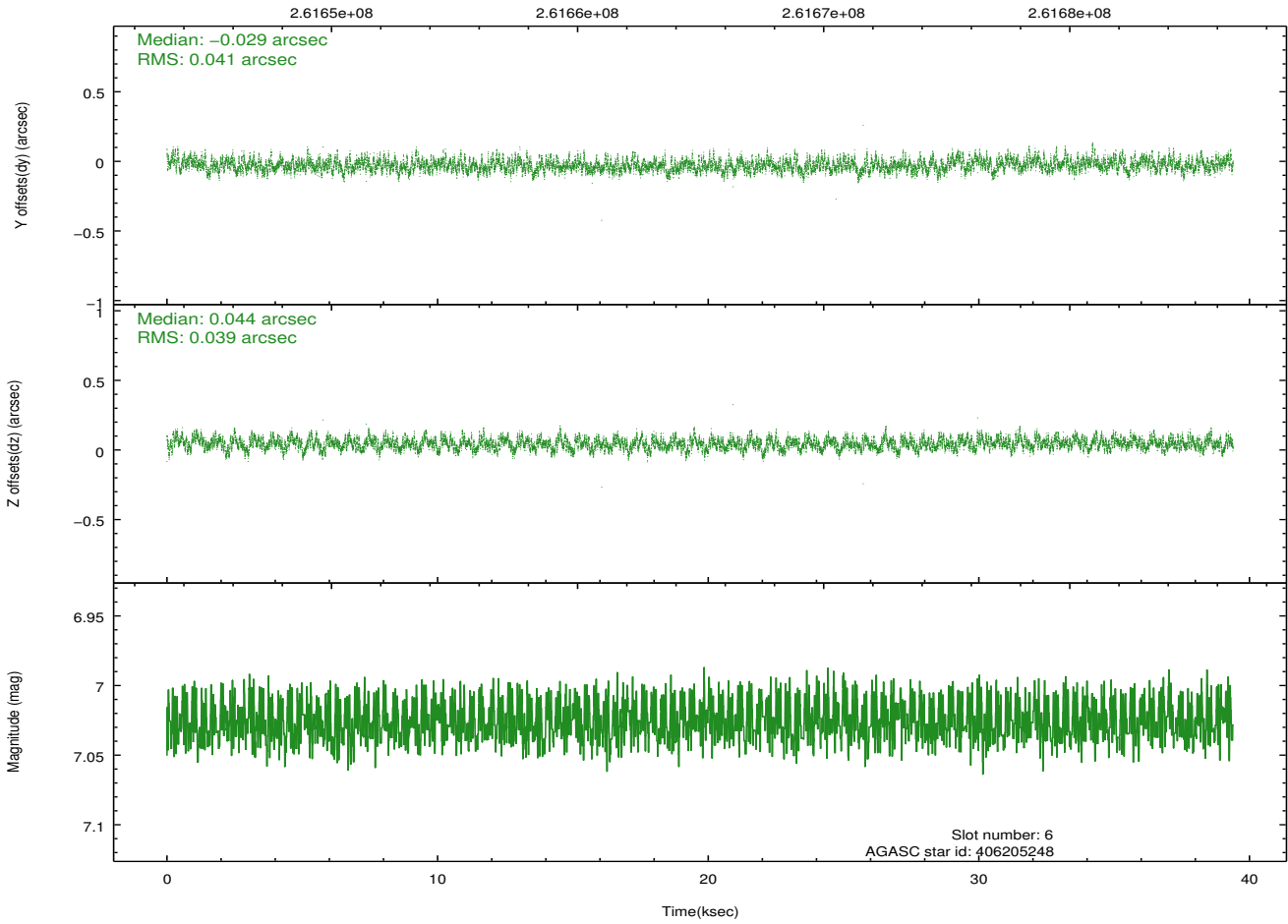
Time (s)



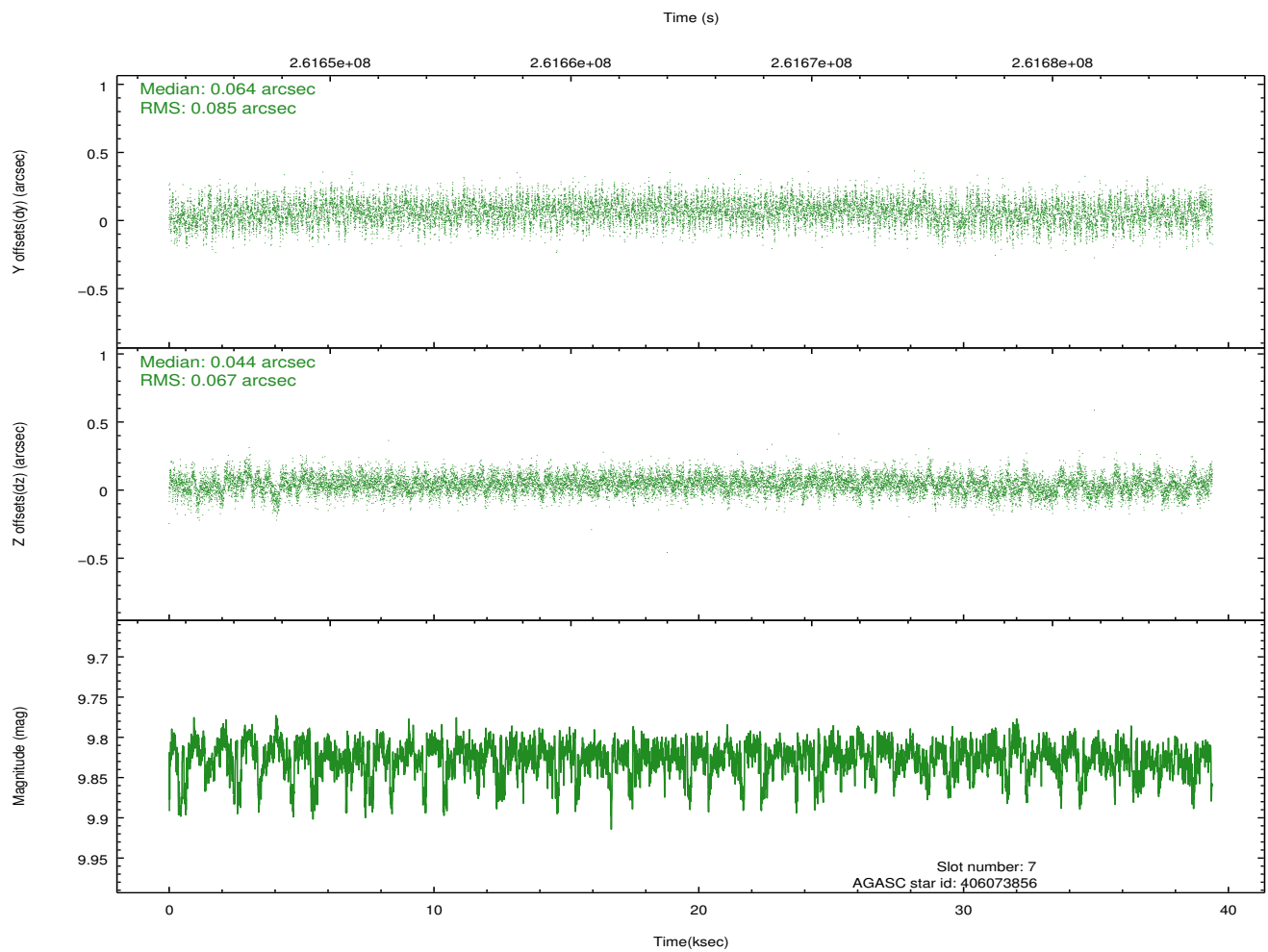
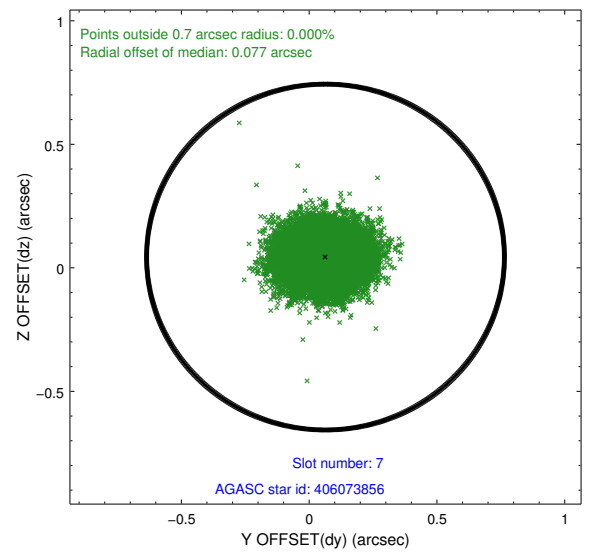
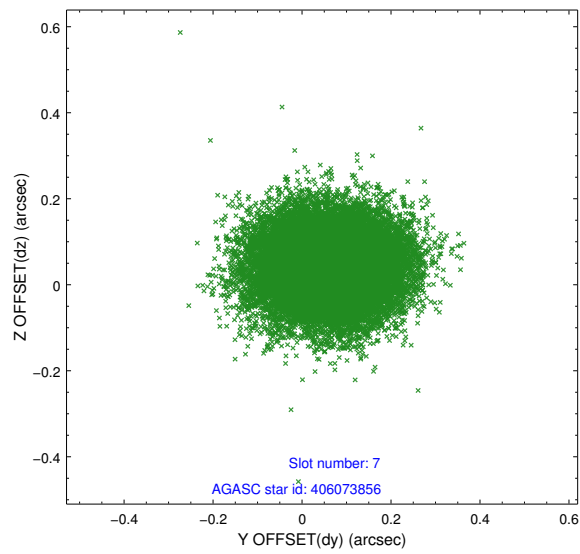
2.4.4 Slot 6



Time (s)

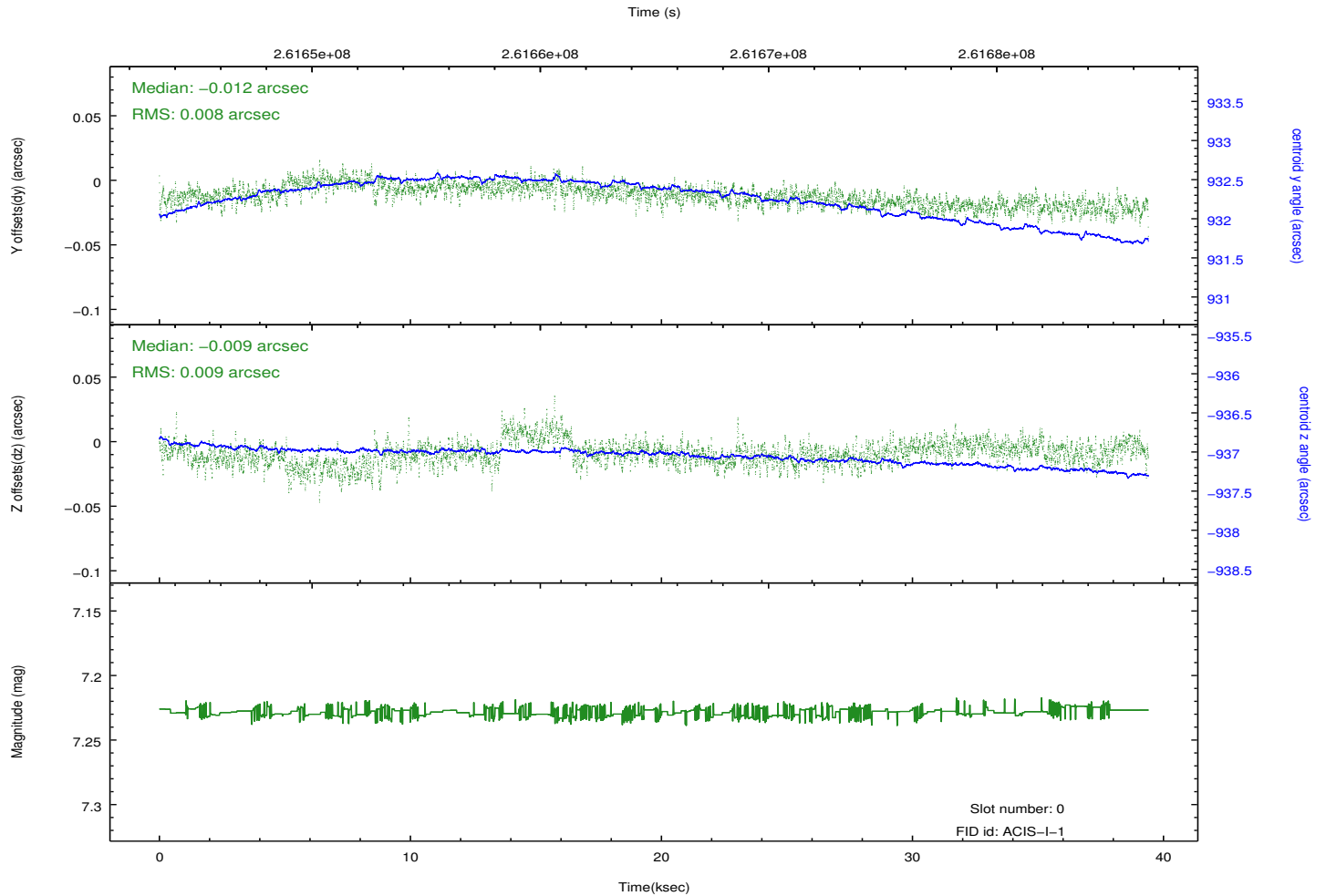
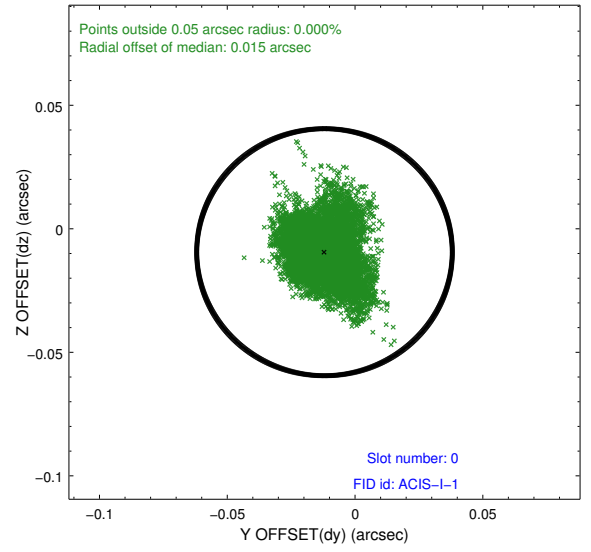
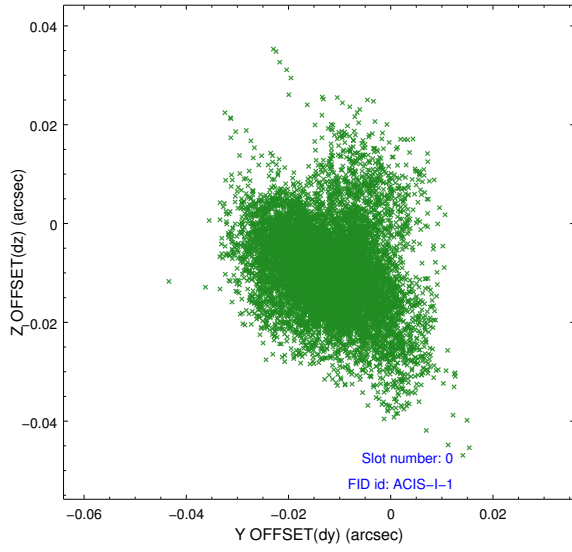


2.4.5 Slot 7

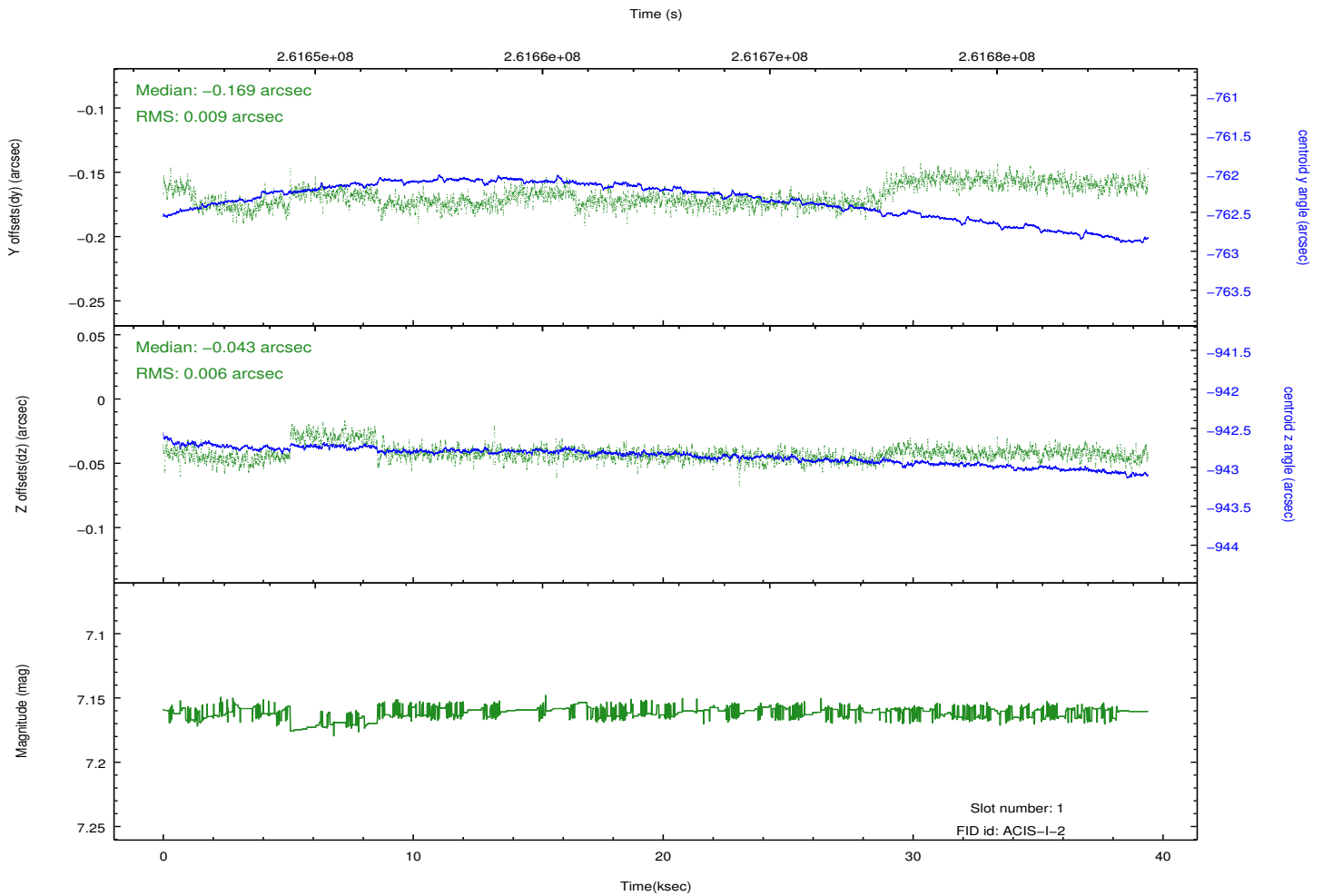
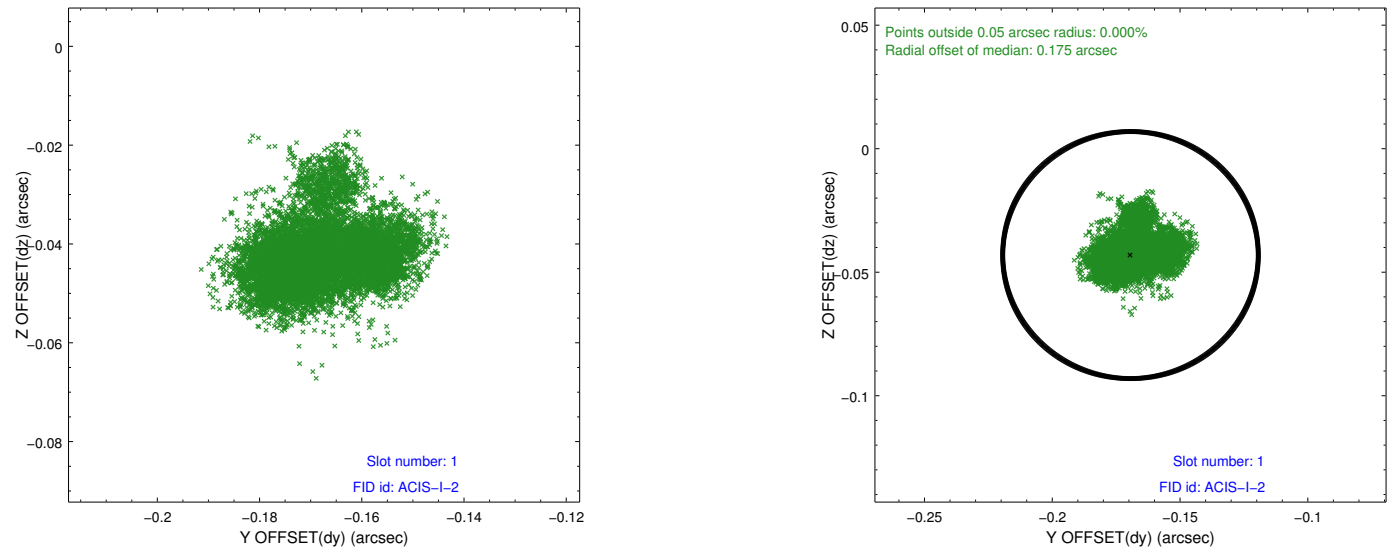


2.5 FID Slots

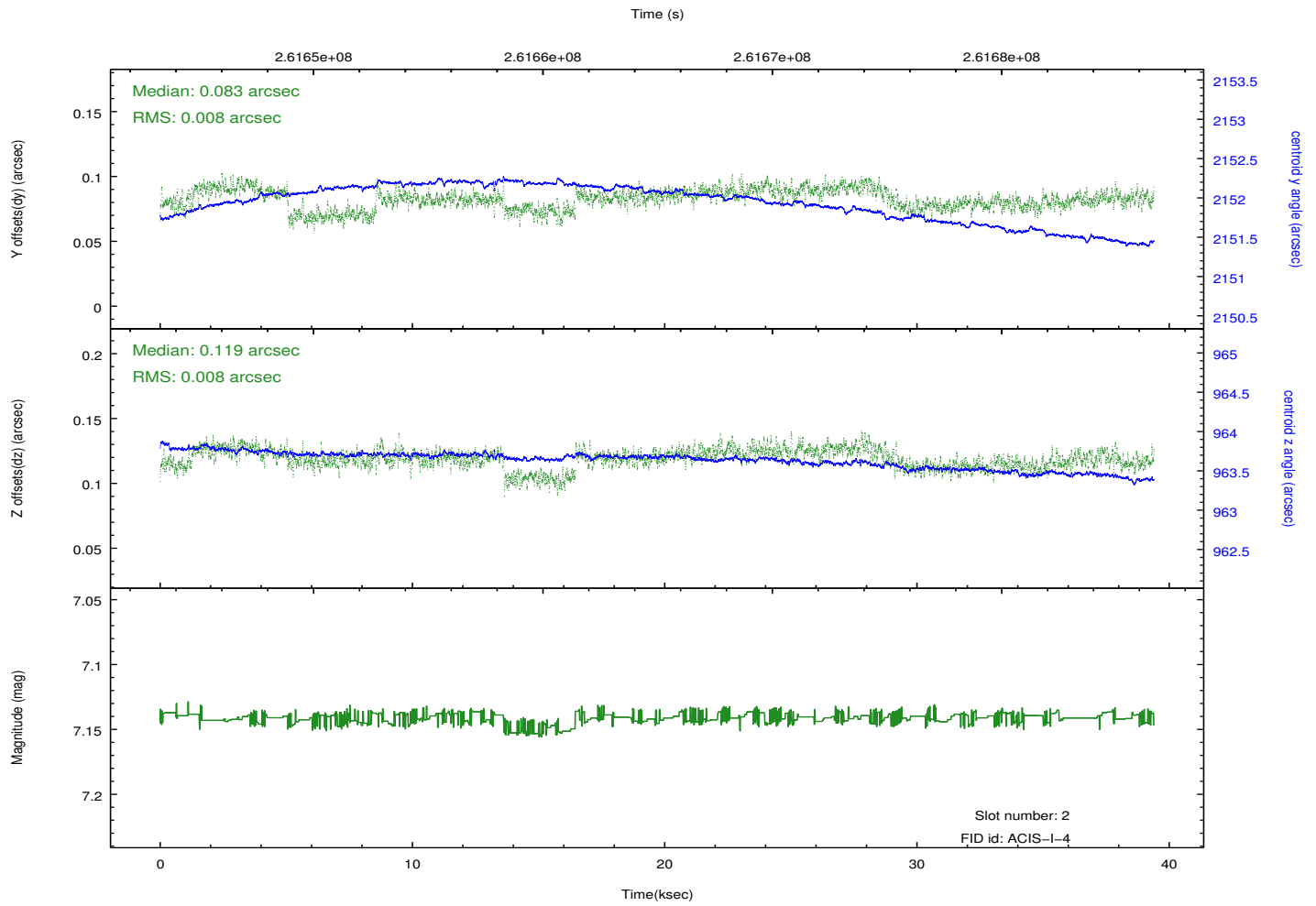
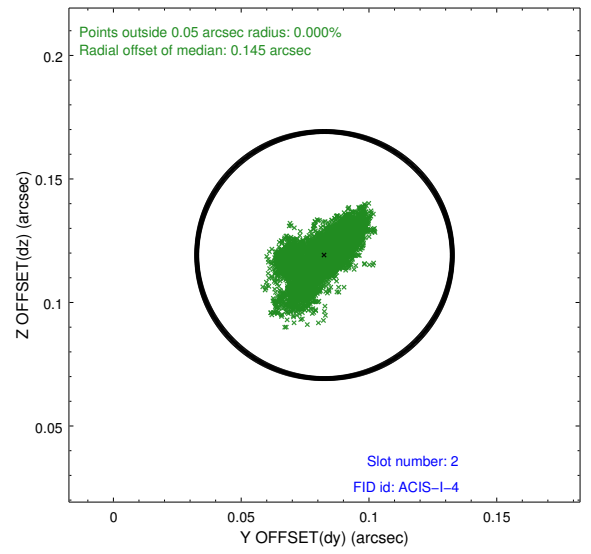
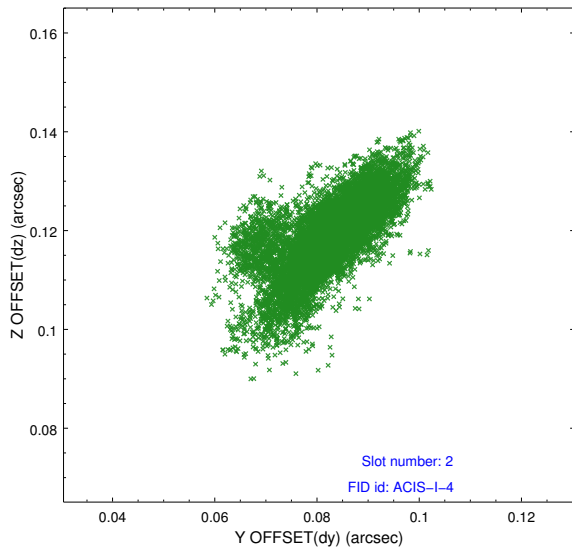
2.5.1 Slot 0



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)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.1126999

A.2 Comments

Joint Proposal: NRAO