

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3331 - L2 Version 3
Chandra X-Ray Center

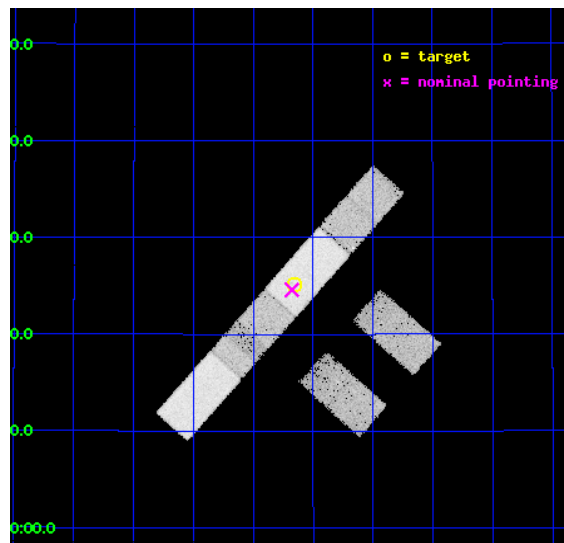
L2 Processing Date : Oct 15 2012

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1 Front

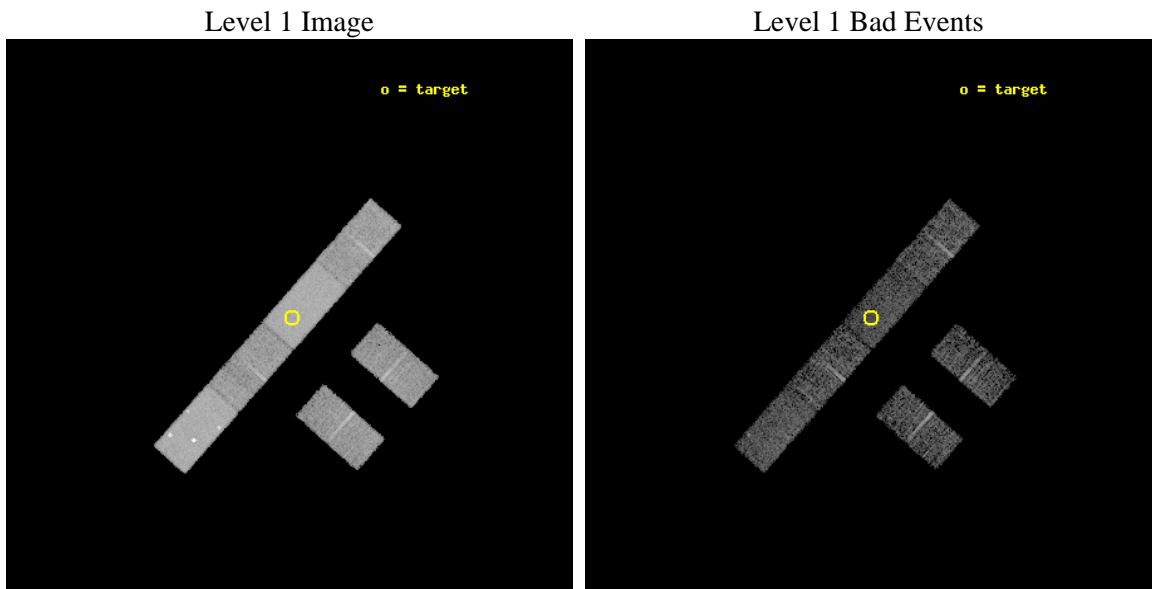
seq_num	900170	Sequence number
obs_id	3331	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1500.1+3325	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	225.038333	Observer's specified target RA [deg]
dec_targ	33.418333	Observer's specified target Dec [deg]
ra_nom	225.04440675067	Nominal RA [deg]
dec_nom	33.409966752947	Nominal Dec [deg]
roll_nom	311.50648491911	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5404.7154145837	Sum of GTIs [s]
livetime	5284.2348597807	Livetime [s]
ontime2	5404.756454587	Sum of GTIs [s]
ontime3	5404.5922945738	Sum of GTIs [s]
ontime5	5404.6743745804	Sum of GTIs [s]
ontime6	5404.6333345771	Sum of GTIs [s]
ontime7	5404.7154145837	Sum of GTIs [s]
ontime8	5404.5512546003	Sum of GTIs [s]
l2events	107794	Number of level 2 events



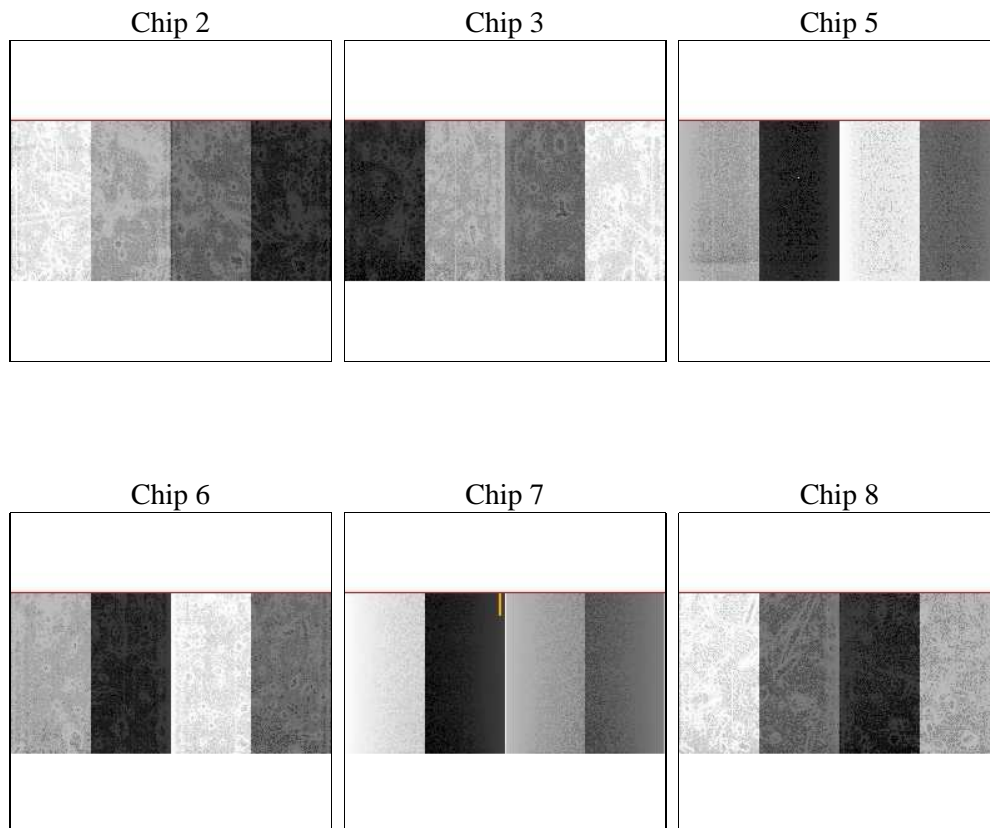
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5404.7154145837	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	5404.756454587	Sum of GTIs [s]
date	2012-10-15T12:46:54	Date and time of file creation	ontime3	5404.5922945738	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5404.6743745804	Sum of GTIs [s]
			ontime6	5404.6333345771	Sum of GTIs [s]
			ontime7	5404.7154145837	Sum of GTIs [s]
			ontime8	5404.5512546003	Sum of GTIs [s]
			l1events	217659	Number of level 1 events

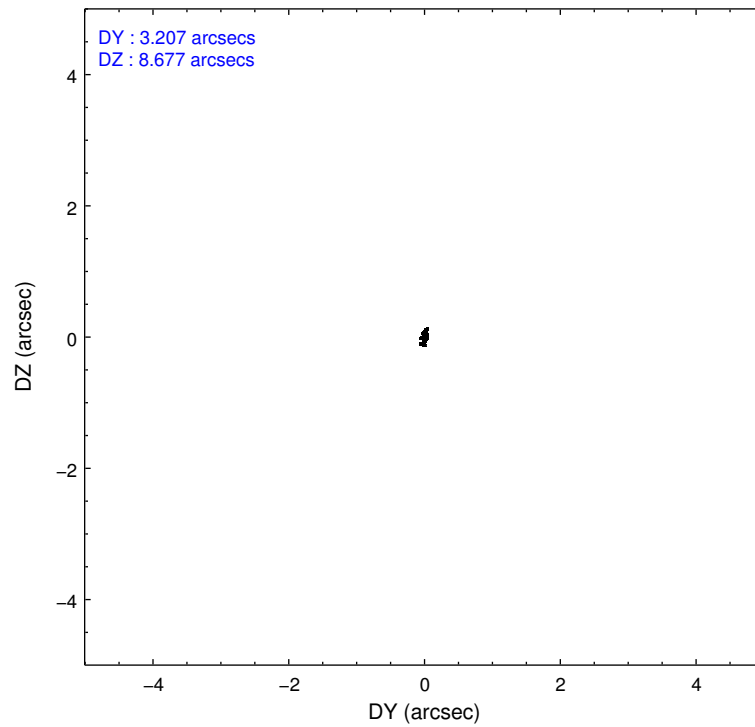
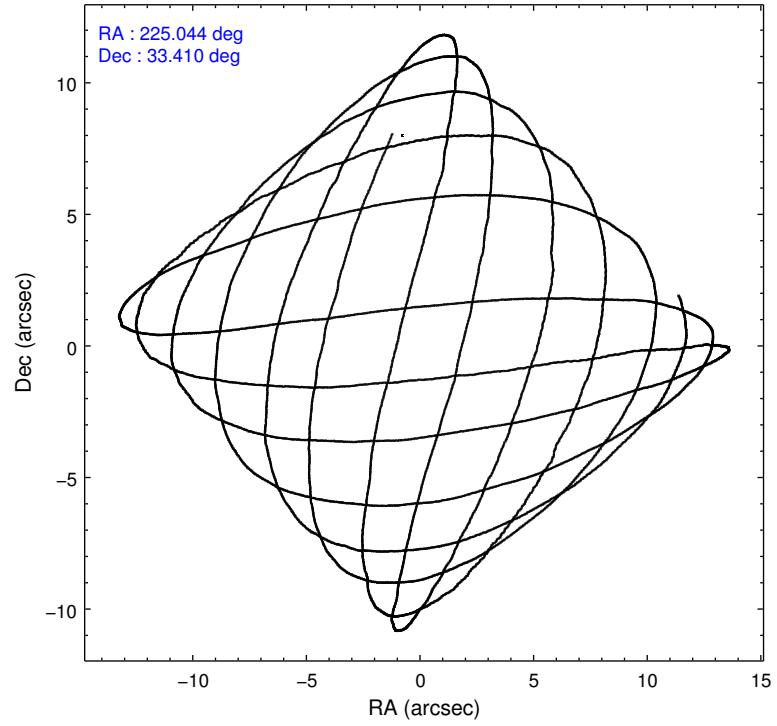
2.1.4 Events

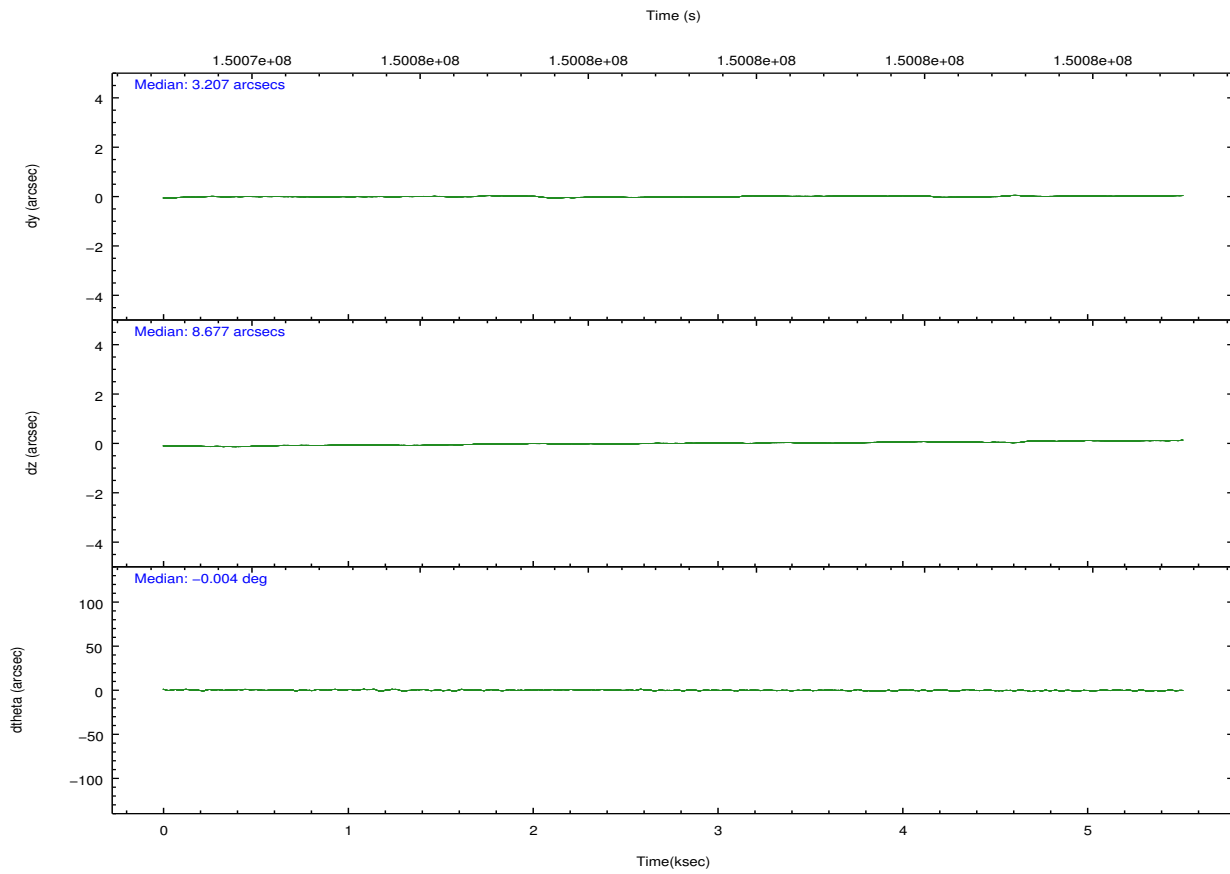
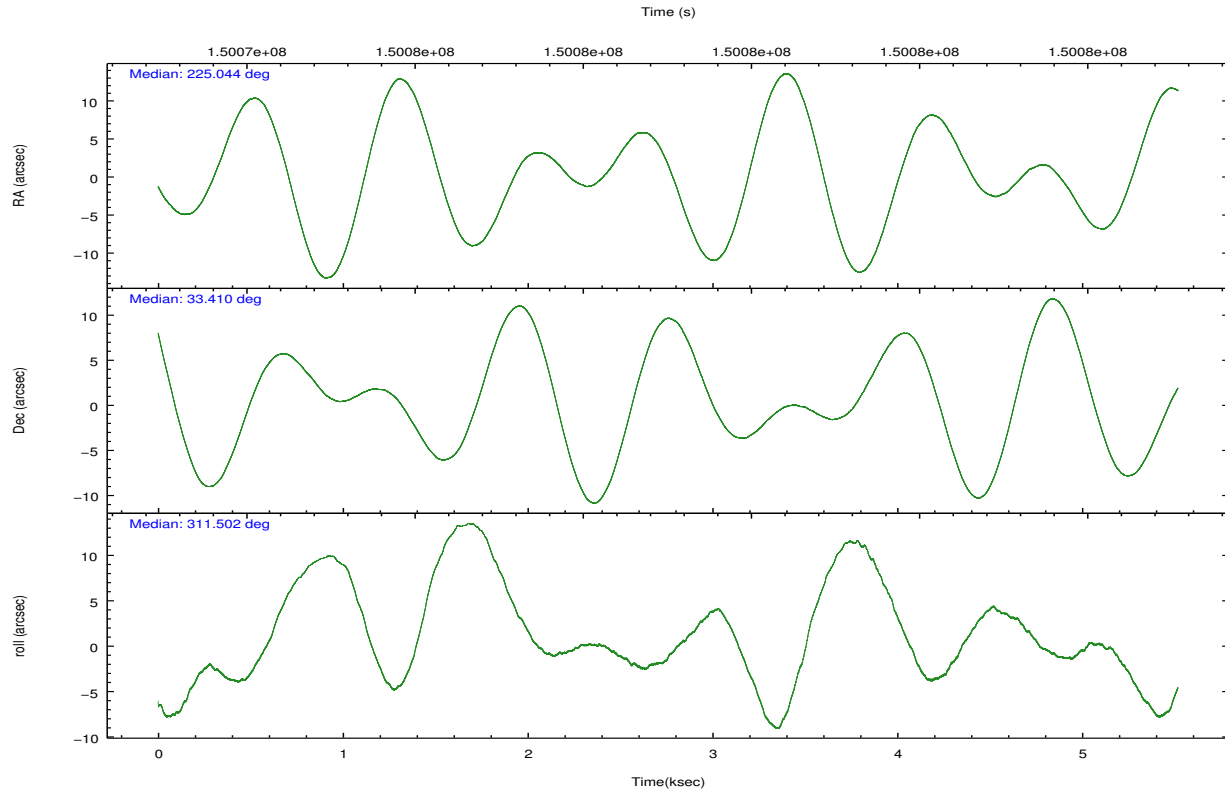
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	25698	24606	56148	28676	49386	33145	grade 0 events	5860	5817	9102	7671	3522	9286
rejected events	16991	15816	16448	16815	14019	18307		22%	23%	16%	26%	7%	28%
rejected %	66%	64%	29%	58%	28%	55%	grade 1 events	18	16	46	14	23	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	1473	1662	10297	2629	6303	2835
								5%	6%	18%	9%	12%	8%
							grade 3 events	299	359	2168	402	2798	638
								1%	1%	3%	1%	5%	1%
							grade 4 events	344	343	2053	402	2744	596
								1%	1%	3%	1%	5%	1%
							grade 5 events	706	706	2480	769	2353	934
								2%	2%	4%	2%	4%	2%
							grade 6 events	737	612	16089	765	20007	1487
								2%	2%	28%	2%	40%	4%
							grade 7 events	16261	15091	13913	16024	11636	17329
								63%	61%	24%	55%	23%	52%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	225.013289	225.0444067506661	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	33.418364	33.40996675294718	Subarray start row	257	257
[deg] Pointing Roll	311.367010	311.5064849191078	Subarray row count	512	512
[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	1.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	150074260.184000	150073133.68459			
Observation start date	2002-10-03T23:16:36	2002-10-03T22:58:53			
[s] Observation end time (MET)	150079260.184000	150079741.34736			
Observation end date	2002-10-04T00:39:56	2002-10-04T00:49:01			
Read mode	TIMED	TIMED			

2.3 Aspect



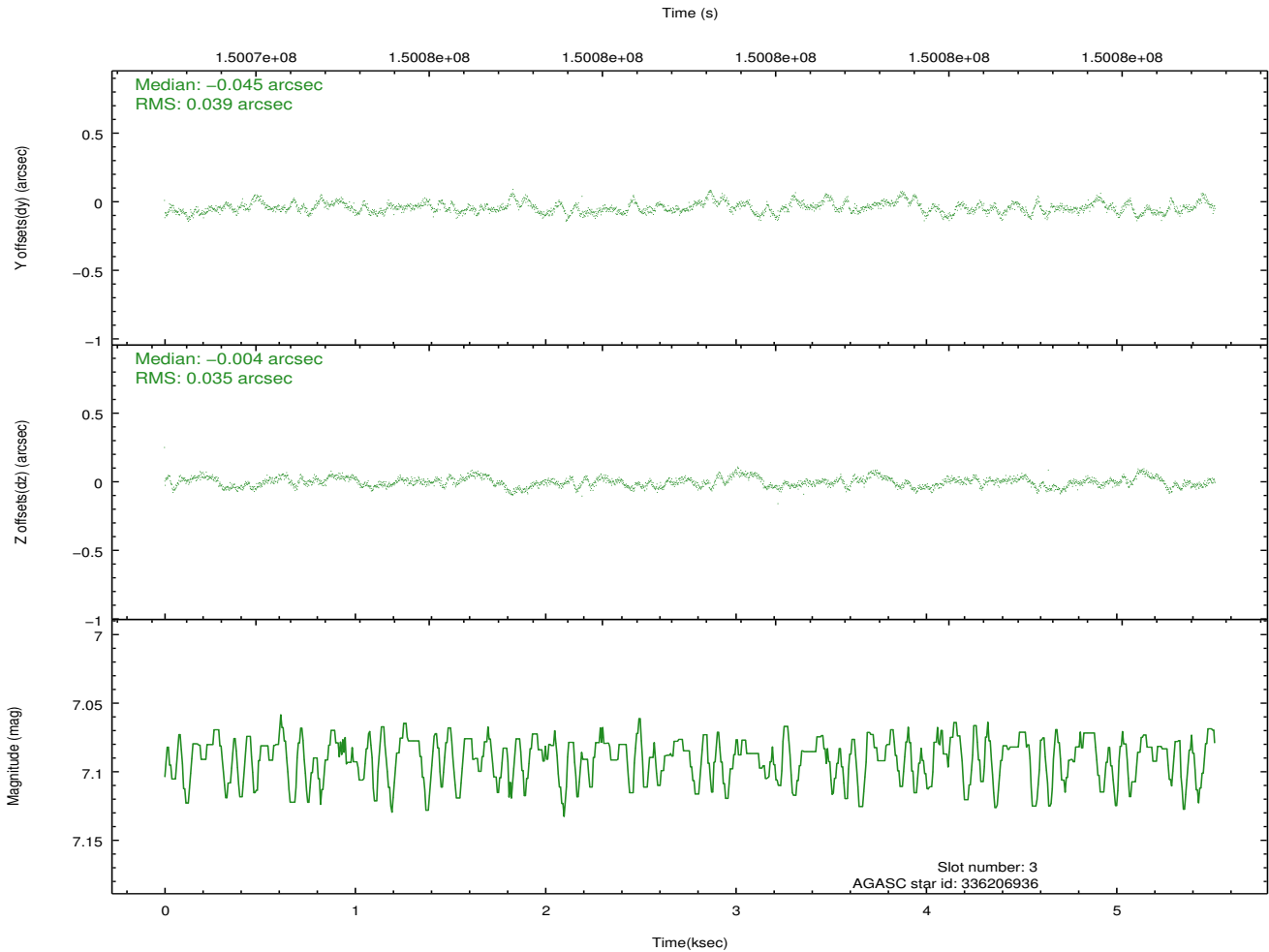
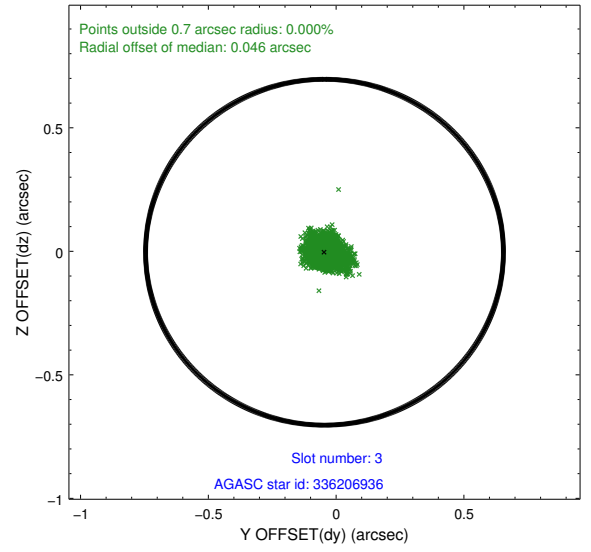
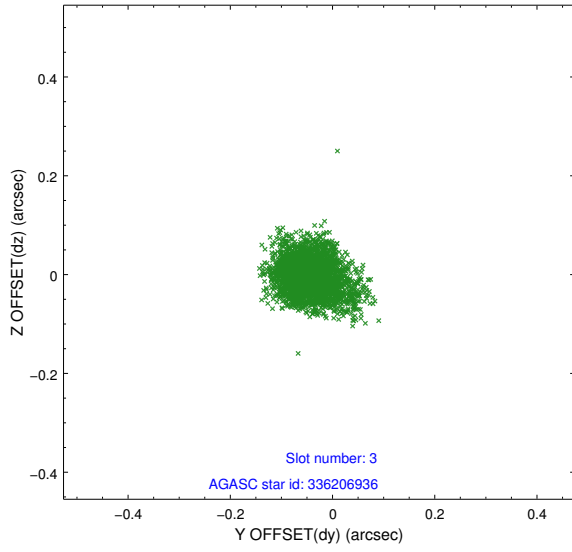


Slot Statistics

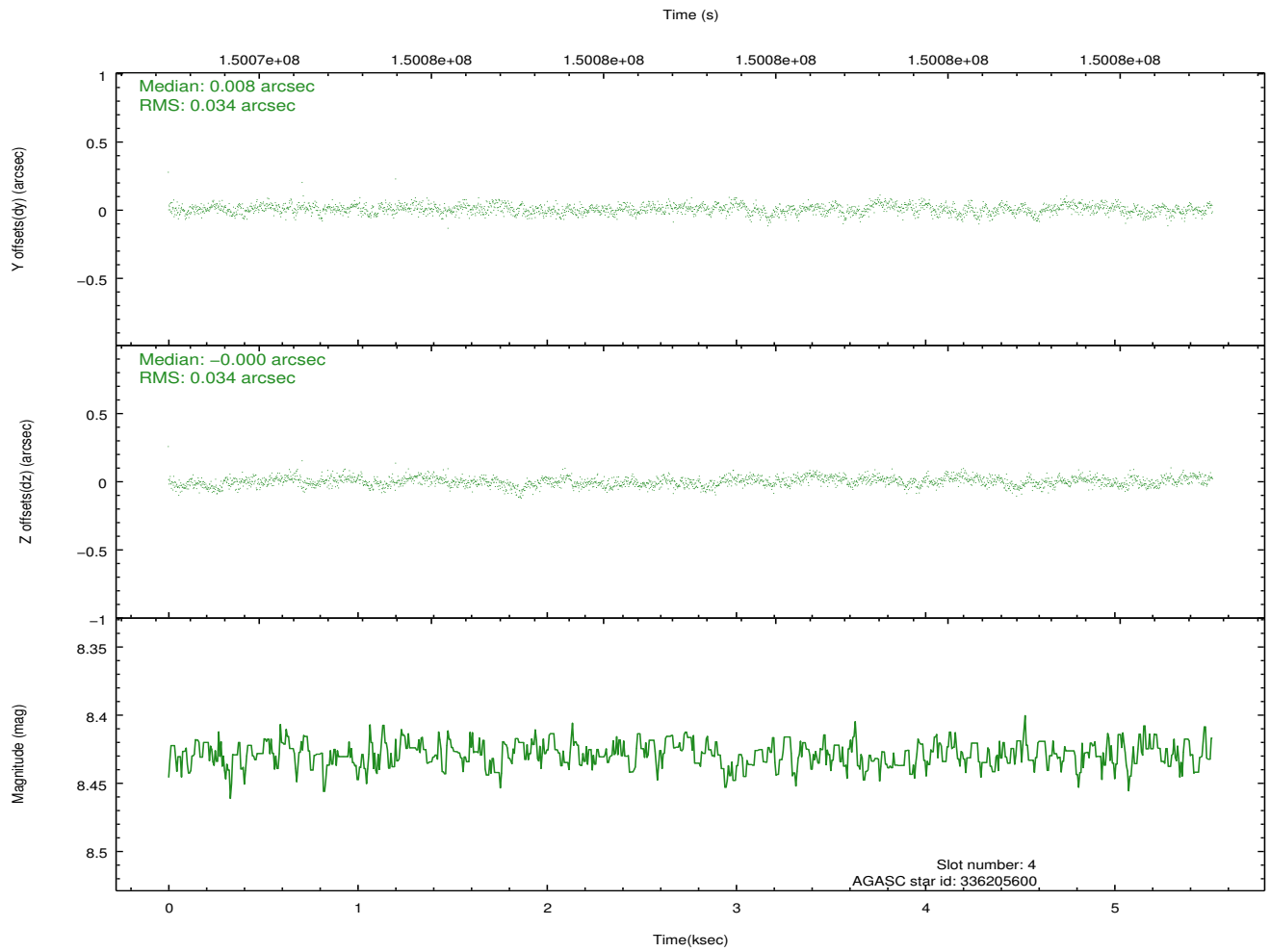
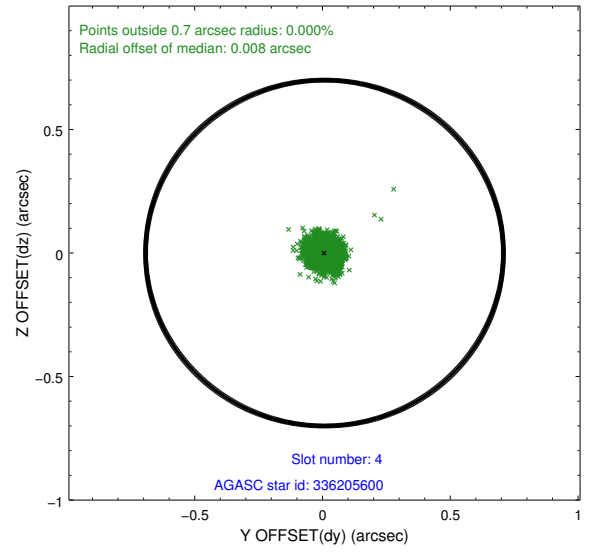
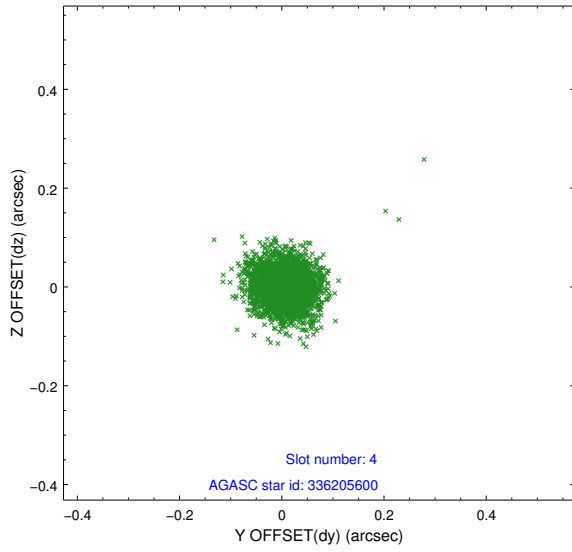
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1346	-0.015	-0.011	0.007	0.011	0.000000	0.000000	-755.88	-1729.84
1	FID	ACIS-S-4	7.20	1346	0.006	0.010	0.005	0.010	0.000000	0.000000	2156.94	177.53
2	FID	ACIS-S-5	7.24	1346	-0.022	0.010	0.006	0.011	0.000000	0.000000	-1807.32	172.45
3	GUIDE	336206936	7.09	2693	-0.045	-0.004	0.055	0.092	225.621927	33.274357	1595.51	1035.83
4	GUIDE	336205600	8.43	2693	0.008	-0.000	0.050	0.083	225.139973	32.959246	1493.71	-804.52
5	GUIDE	335287112	9.22	2692	0.044	-0.023	0.080	0.129	224.732411	33.106430	282.78	-1377.39
6	GUIDE	335285640	9.12	2690	0.019	0.010	0.078	0.131	224.854294	34.122720	-2216.54	1319.74
7	GUIDE	335289016	9.42	2691	-0.031	0.014	0.087	0.142	224.628646	32.968085	446.33	-1941.37

2.4 Star Slots

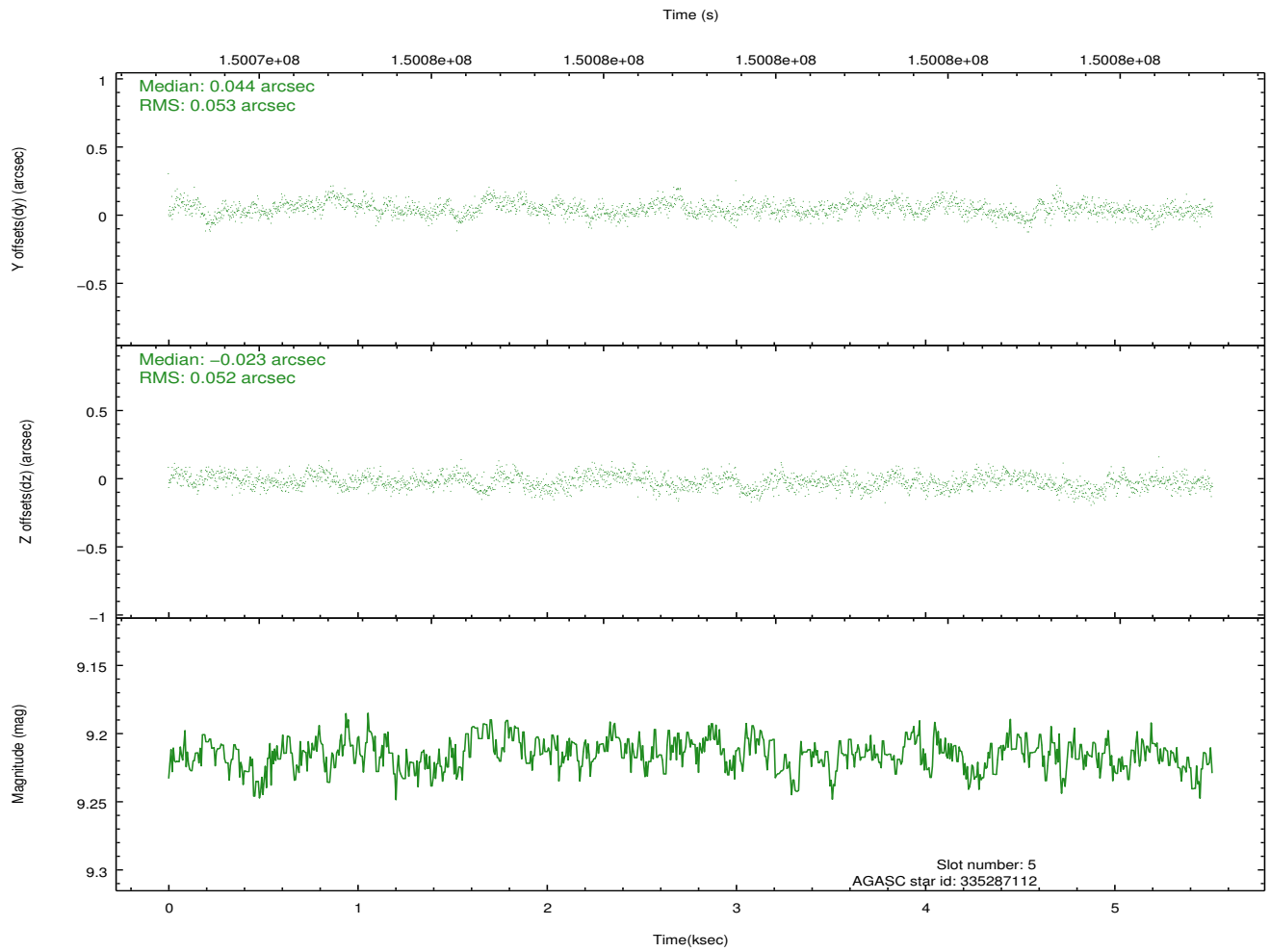
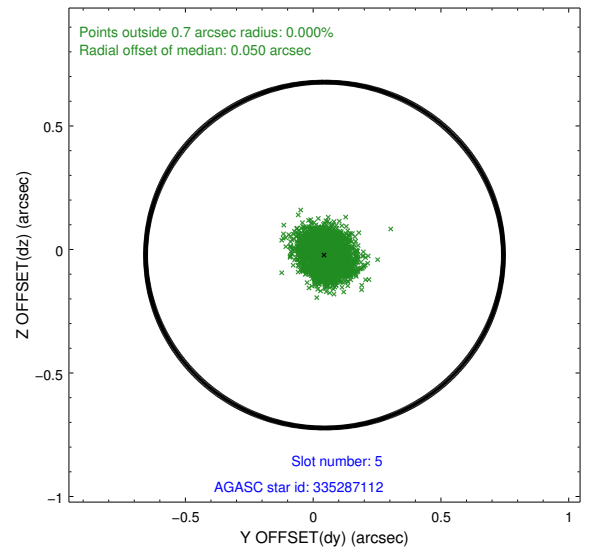
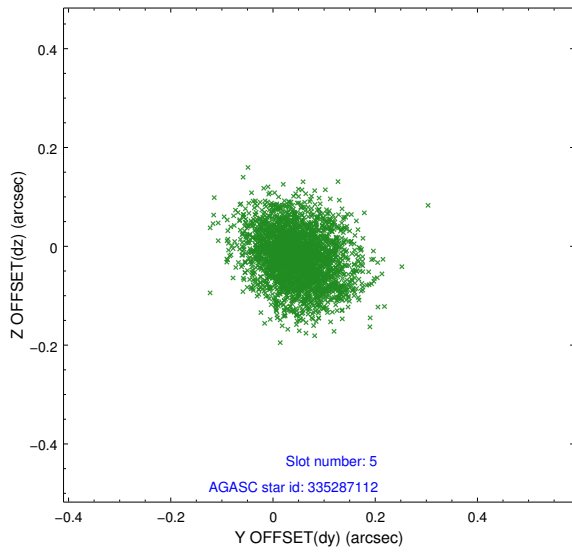
2.4.1 Slot 3



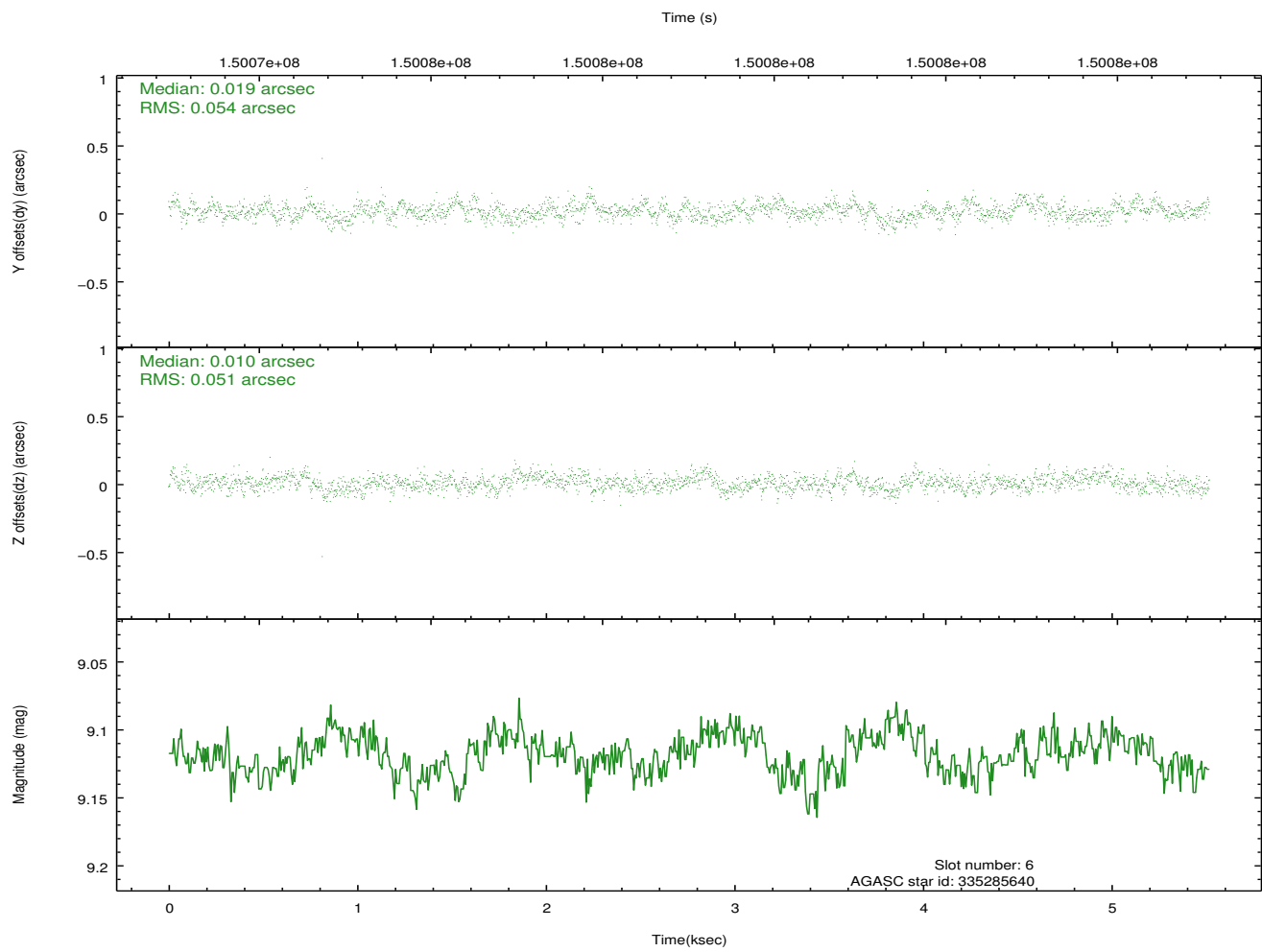
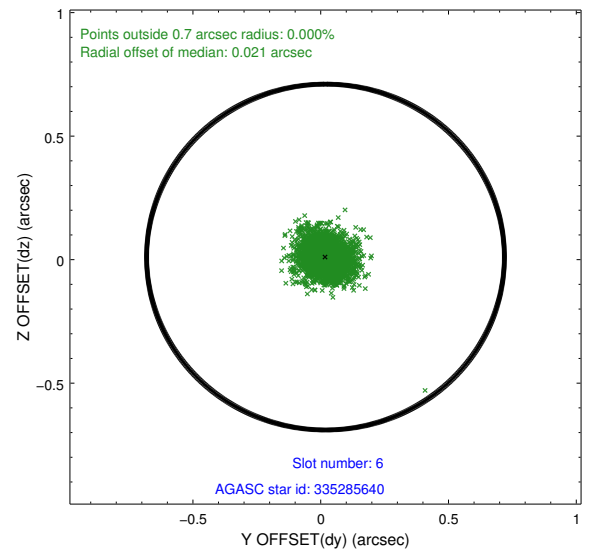
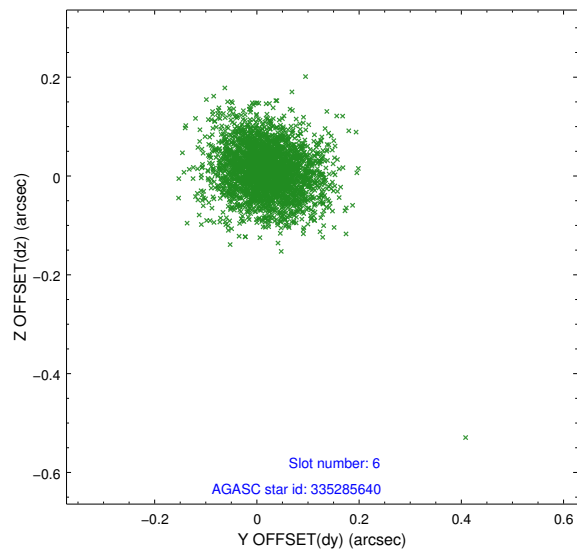
2.4.2 Slot 4



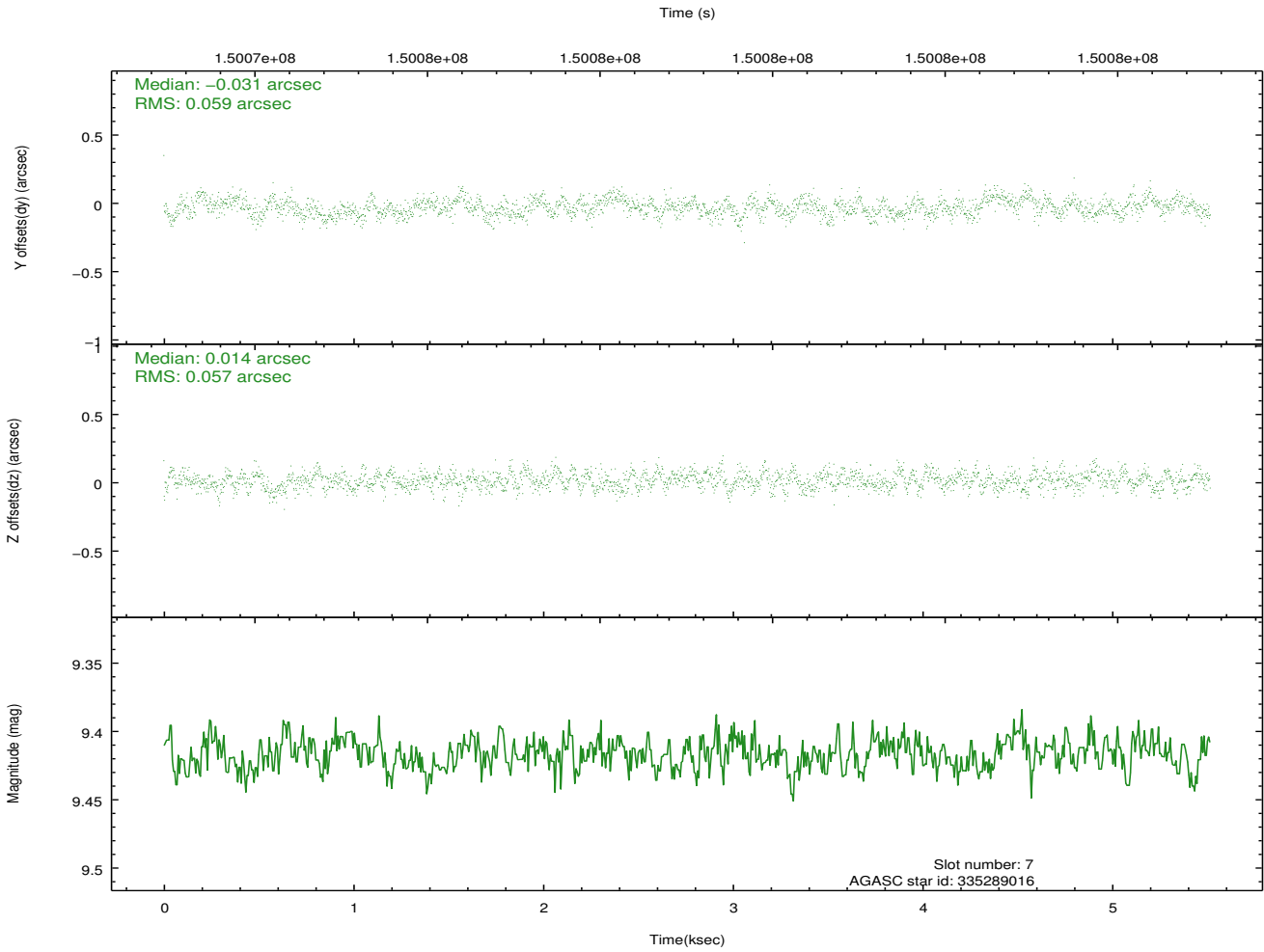
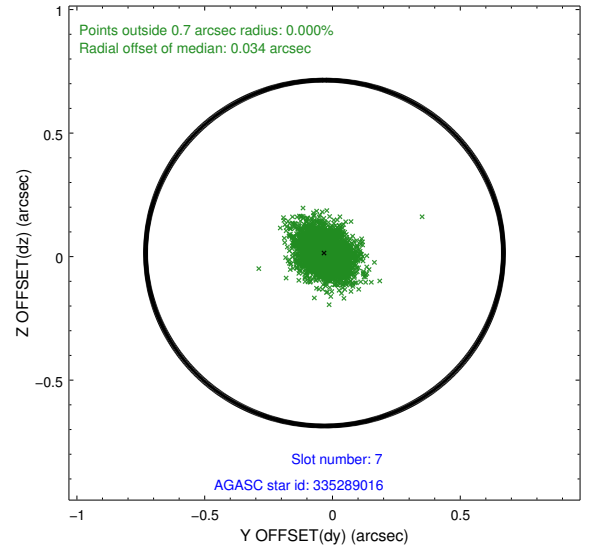
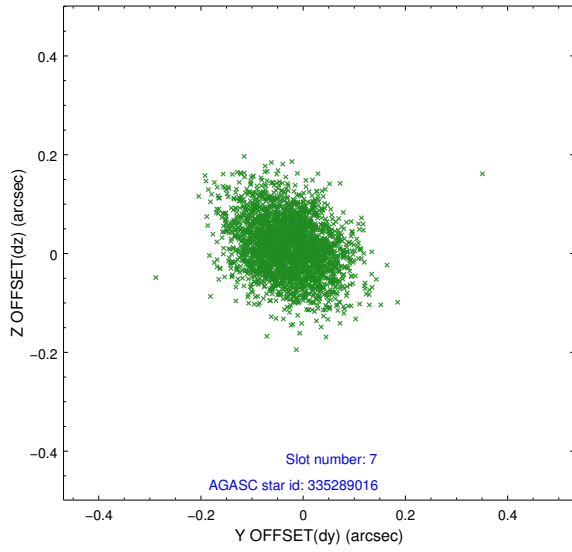
2.4.3 Slot 5



2.4.4 Slot 6

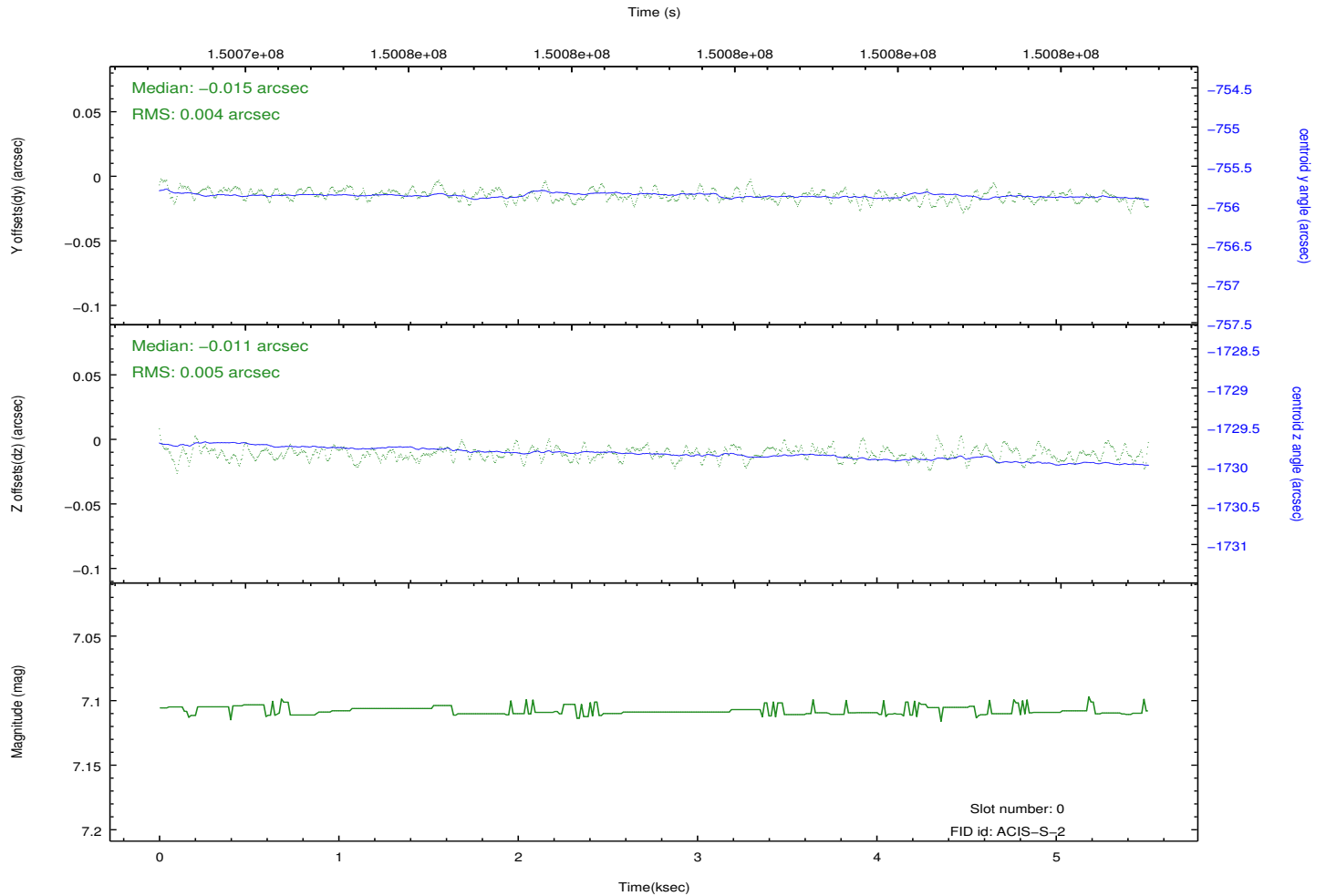
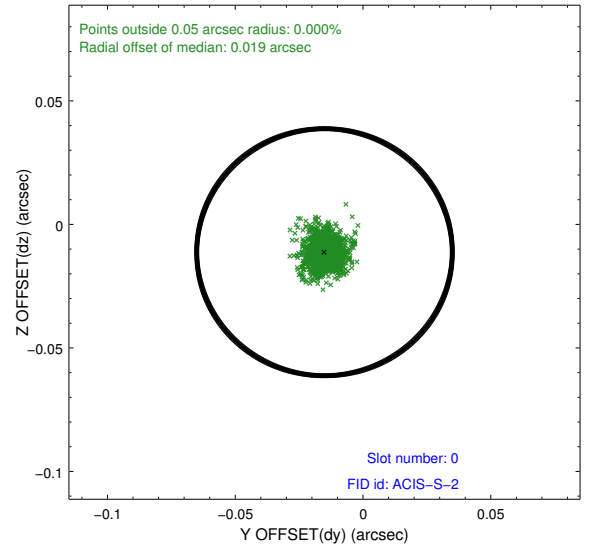
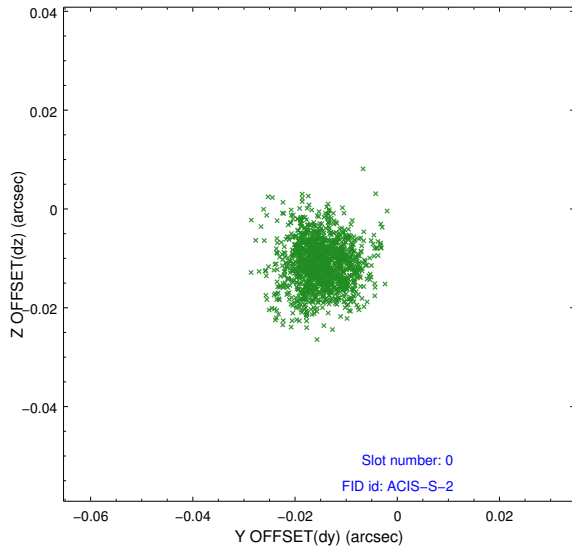


2.4.5 Slot 7

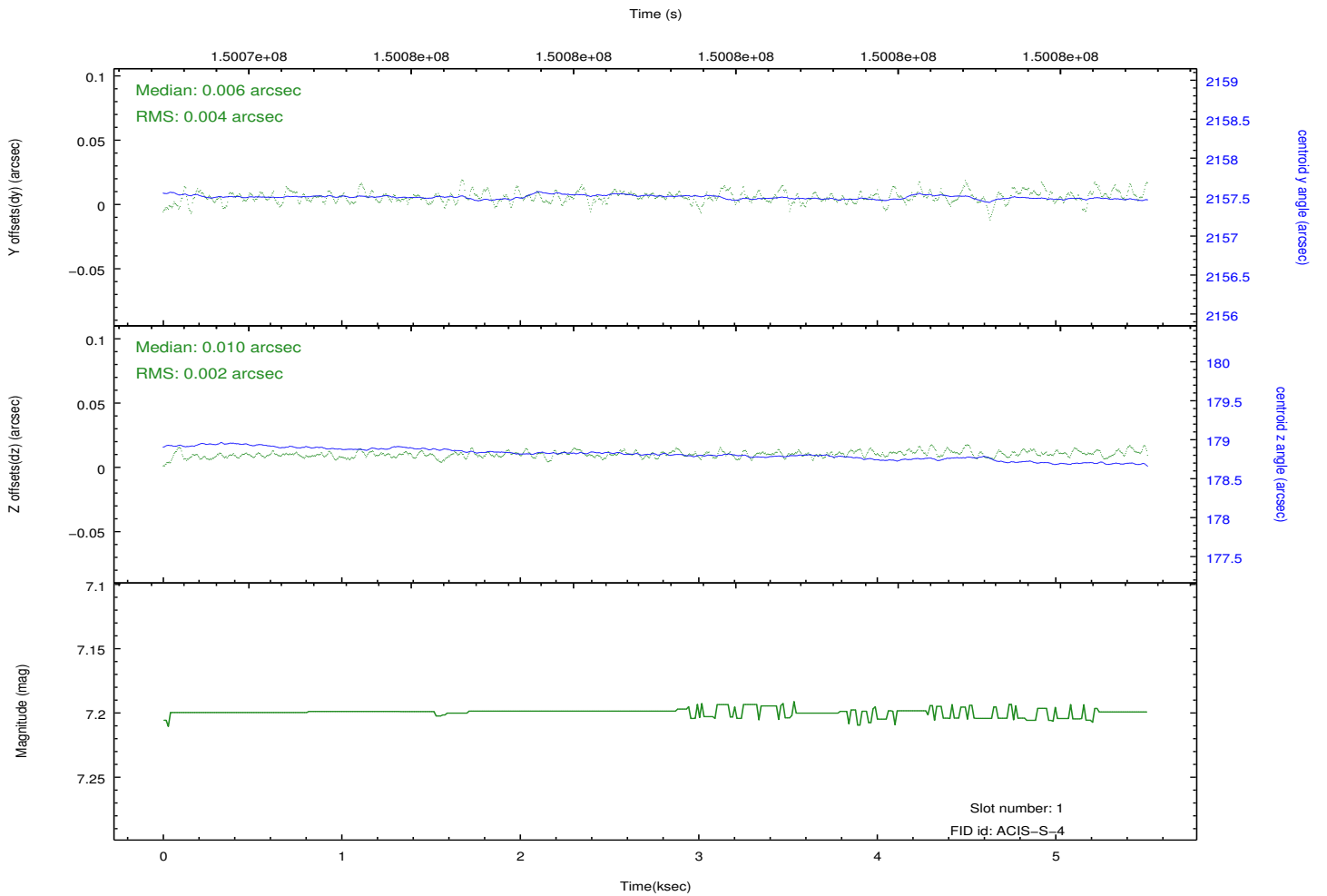
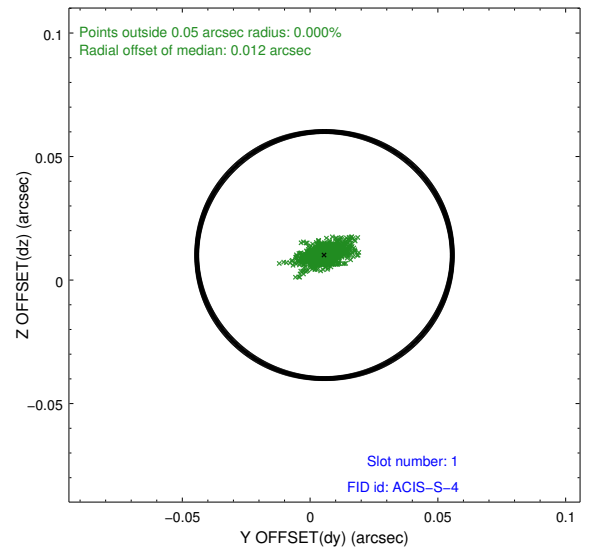
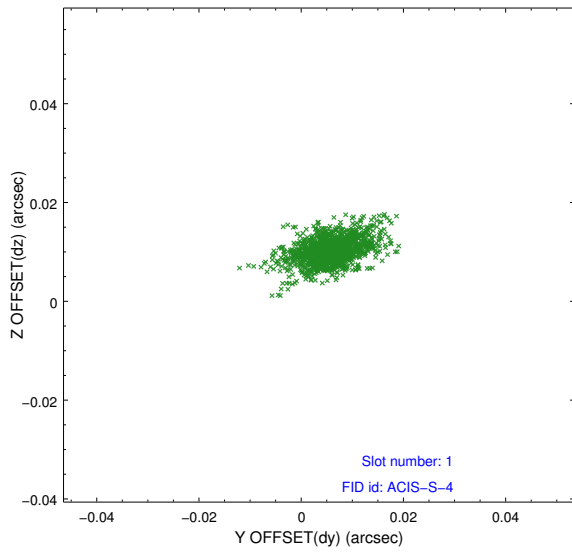


2.5 FID Slots

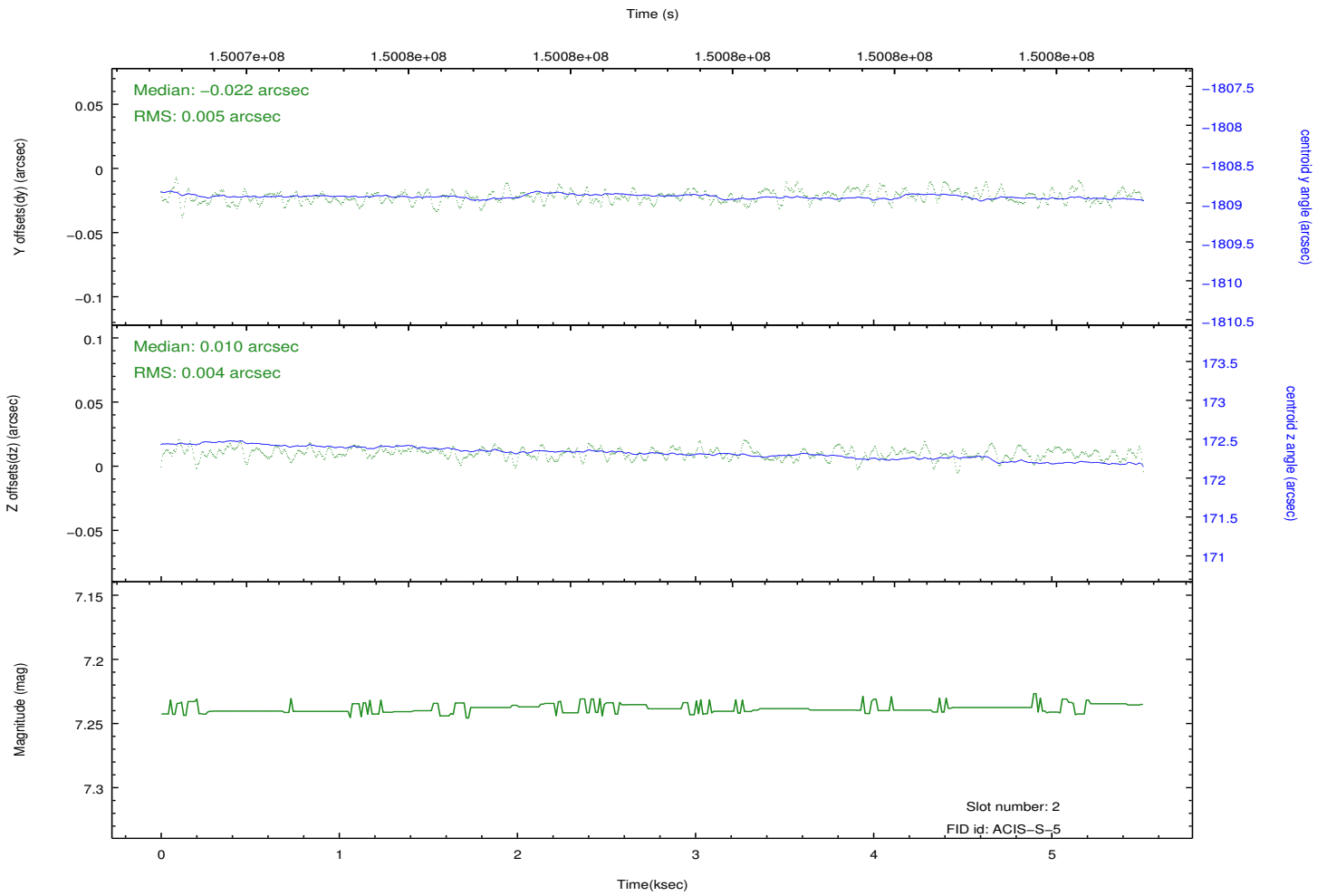
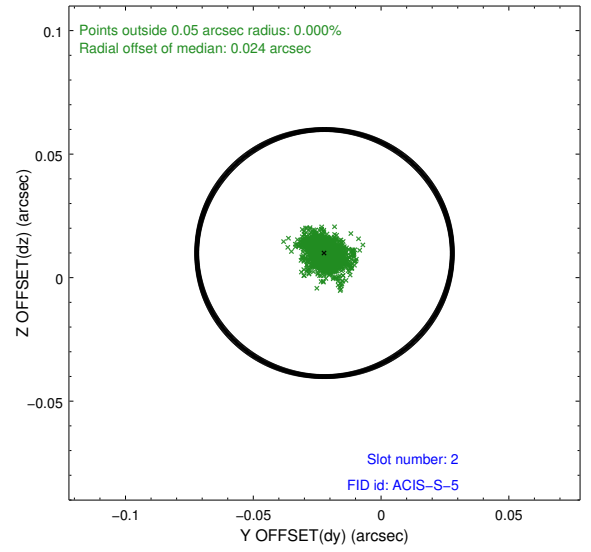
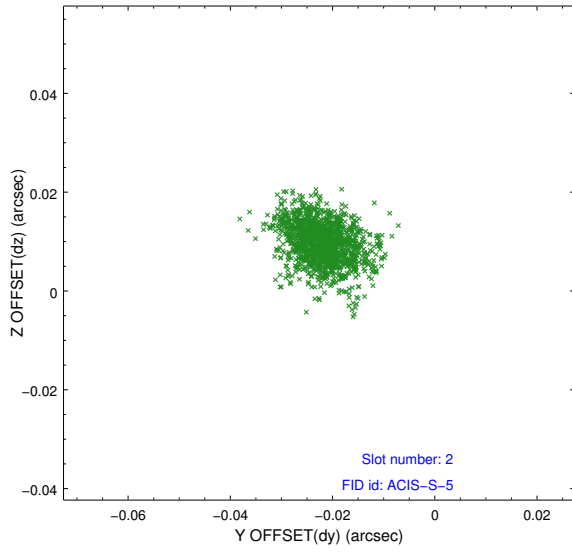
2.5.1 Slot 0



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)	2012.10.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.405

A.2 Comments

Joint Proposal: NOAO