

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8224 - L2 Version 3
Chandra X-Ray Center

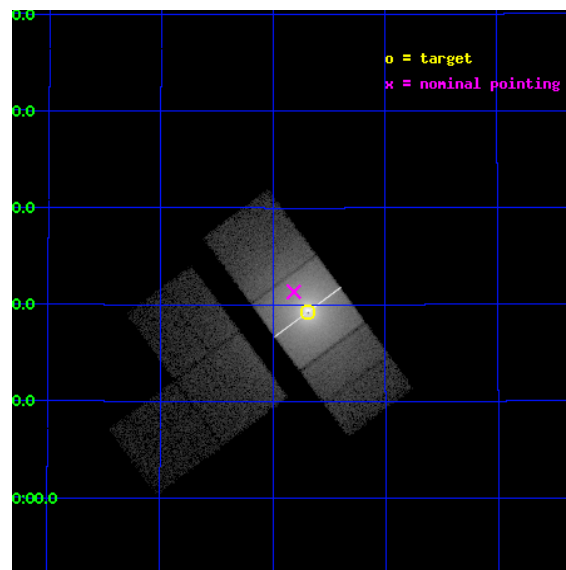
L2 Processing Date : Apr 22 2012

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1 Front

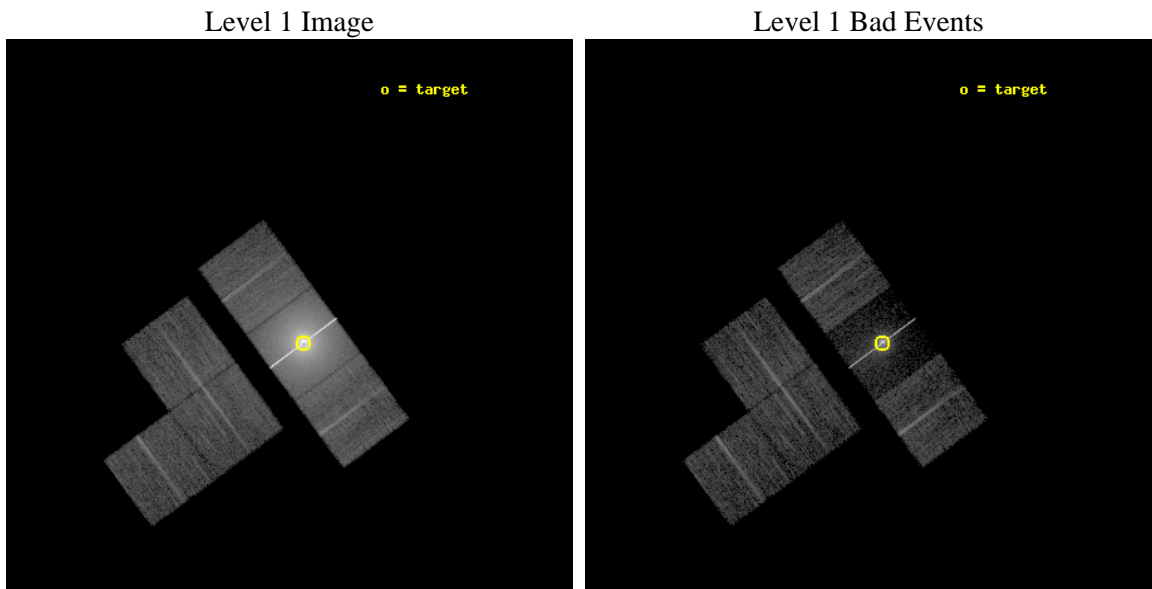
seq_num	900714	Sequence number
obs_id	8224	Observation id
title	Accurate Determination of the Dust-Scattering Halo Around Cyg X-2	
observer	Frederick Seward	Principal investigator
object	Cyg X-2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	326.171667	Observer's specified target RA [deg]
dec_targ	38.321667	Observer's specified target Dec [deg]
ra_nom	326.20318604461	Nominal RA [deg]
dec_nom	38.355633040869	Nominal Dec [deg]
roll_nom	53.556510218548	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6630.3999753594	Sum of GTIs [s]
livetime	6546.4418585239	Livetime [s]
ontime1	6630.3999753594	Sum of GTIs [s]
ontime2	6630.3999753594	Sum of GTIs [s]
ontime3	6630.3999753594	Sum of GTIs [s]
ontime6	6630.3999753594	Sum of GTIs [s]
ontime7	6630.3999753594	Sum of GTIs [s]
ontime8	6630.3999753594	Sum of GTIs [s]
l2events	606502	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	6500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	6630.3999753594	Sum of GTIs [s]
caldsver	4.4.9	 	ontime1	6630.3999753594	Sum of GTIs [s]
date	2012-04-22T04:36:57	Date and time of file creation	ontime2	6630.3999753594	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	6630.3999753594	Sum of GTIs [s]
			ontime6	6630.3999753594	Sum of GTIs [s]
			ontime7	6630.3999753594	Sum of GTIs [s]
			ontime8	6630.3999753594	Sum of GTIs [s]
			l1events	914632	Number of level 1 events

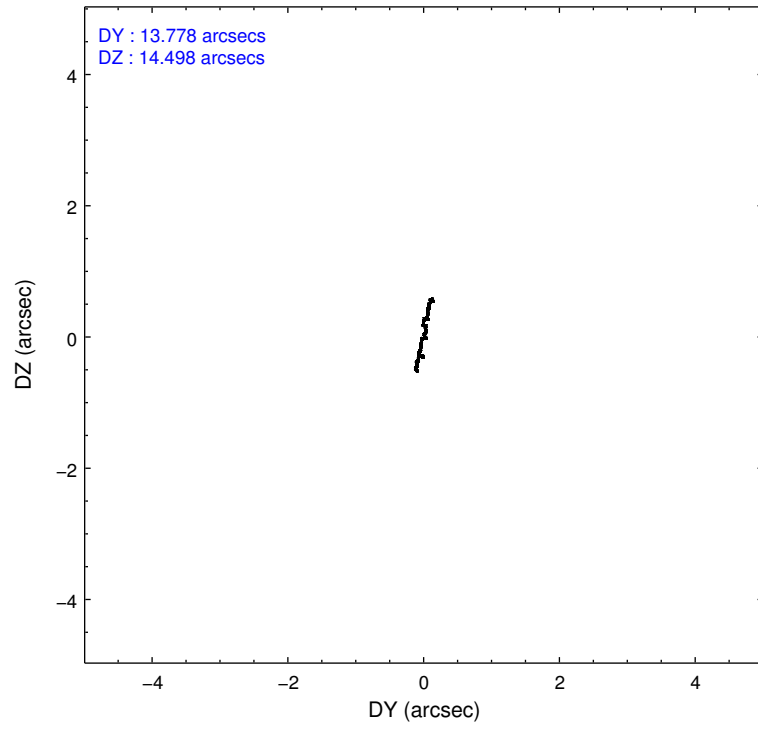
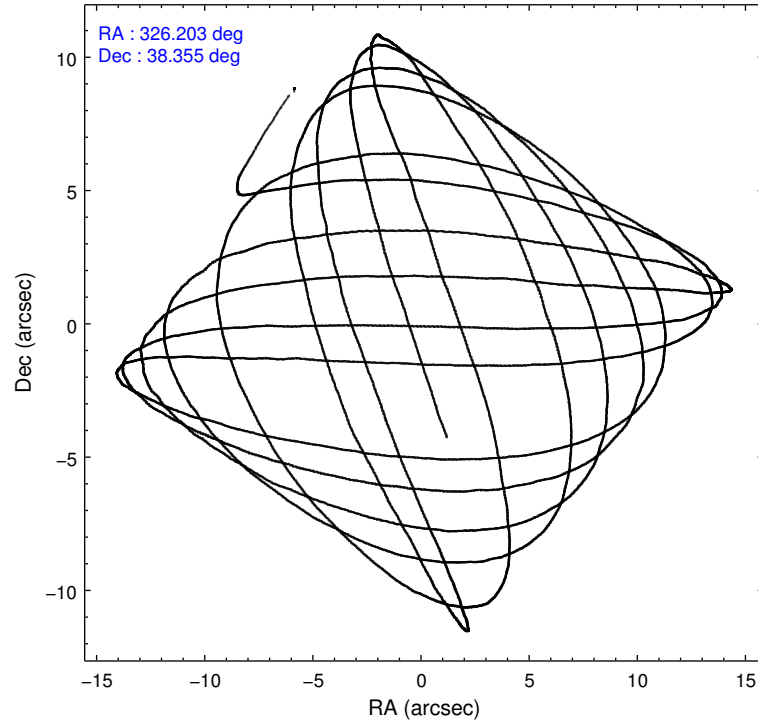
2.1.3 Events

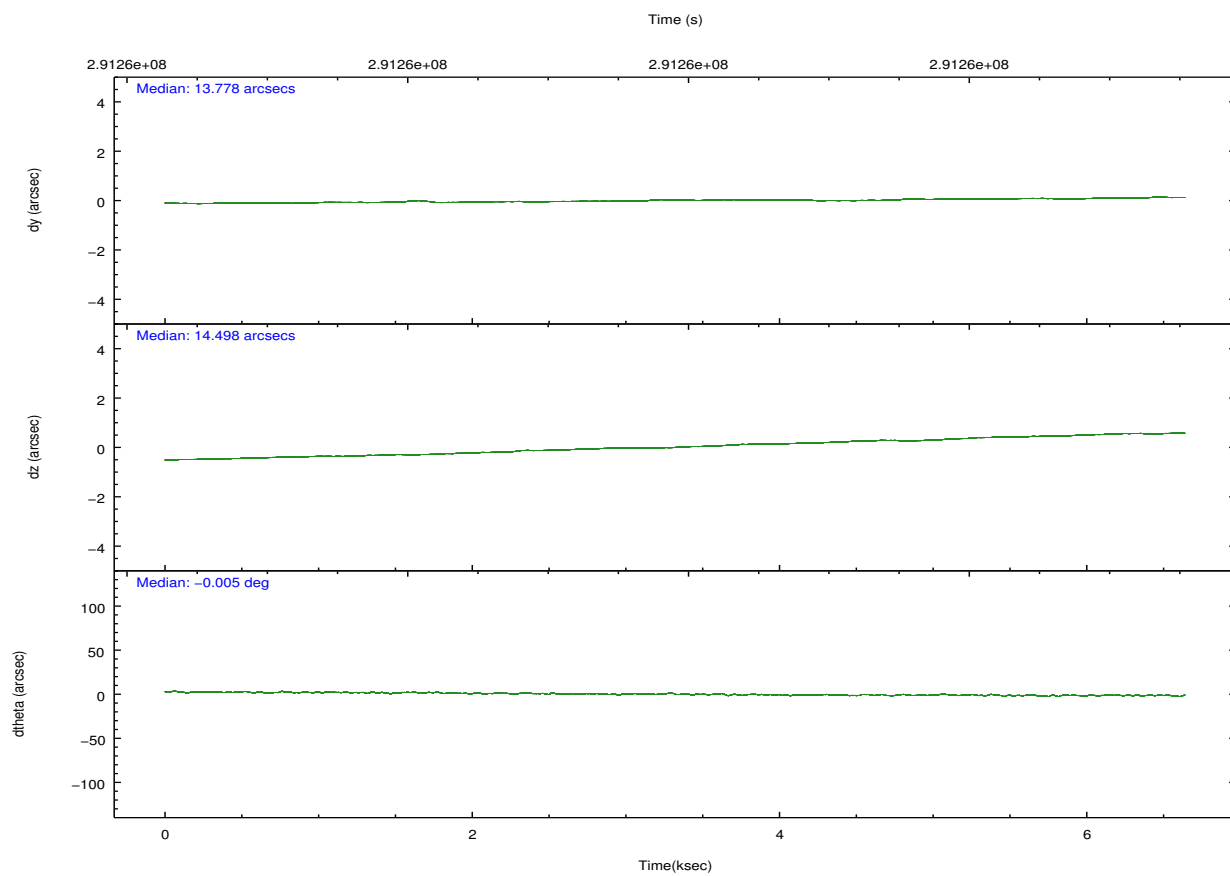
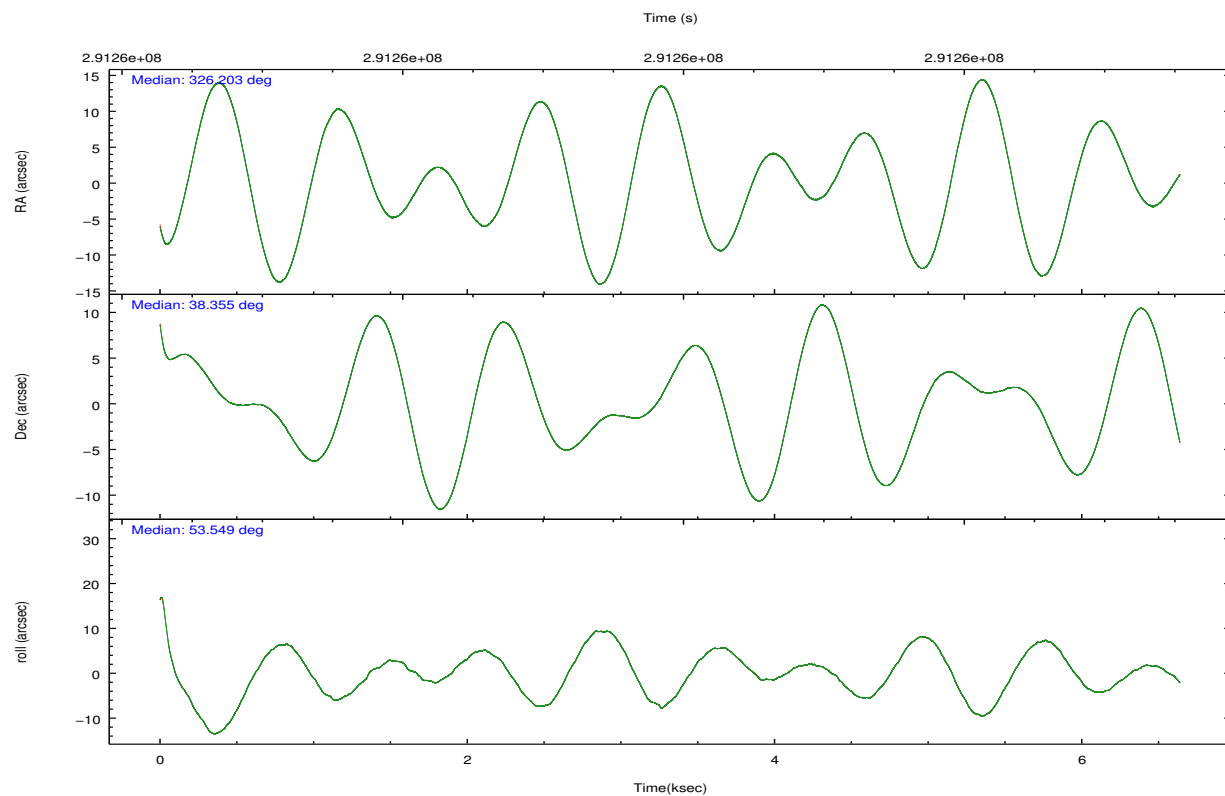
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8		ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	44919	54540	53365	76602	607222	77984	grade 0 events	3074	7090	9299	23906	107171	21769
rejected events	39031	43803	39951	45214	64303	42184		6%	12%	17%	31%	17%	27%
rejected %	86%	80%	74%	59%	10%	54%	grade 1 events	33	46	56	127	1907	106
								0%	0%	0%	0%	0%	0%
							grade 2 events	1319	2125	2253	5145	172062	6281
								2%	3%	4%	6%	28%	8%
							grade 3 events	541	609	695	1315	50860	2247
								1%	1%	1%	1%	8%	2%
							grade 4 events	473	580	716	1373	50767	2146
								1%	1%	1%	1%	8%	2%
							grade 5 events	763	616	794	894	12180	1475
								1%	1%	1%	1%	2%	1%
							grade 6 events	724	843	972	1831	178665	4568
								1%	1%	1%	2%	29%	5%
							grade 7 events	37992	42631	38580	42011	33610	39392
								84%	78%	72%	54%	5%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-123678	ACIS-123678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	GRADED	GRADED	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	326.199722	326.2031860446087	Subarray requested	NONE	NONE
[deg] Pointing Dec	38.328308	38.3556330408689	Alternating exposures requested	N	N
[deg] Pointing Roll	53.401998	53.55651021854782	[s] Primary exposure time	0.000000	3.2
[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)	291258732.184000	291257539.44984			
Observation start date	2007-03-26T01:11:07	2007-03-26T00:52:19			
[s] Observation end time (MET)	291265232.184000	291265848.10023			
Observation end date	2007-03-26T02:59:27	2007-03-26T03:10:48			
Read mode	TIMED	TIMED			

2.3 Aspect



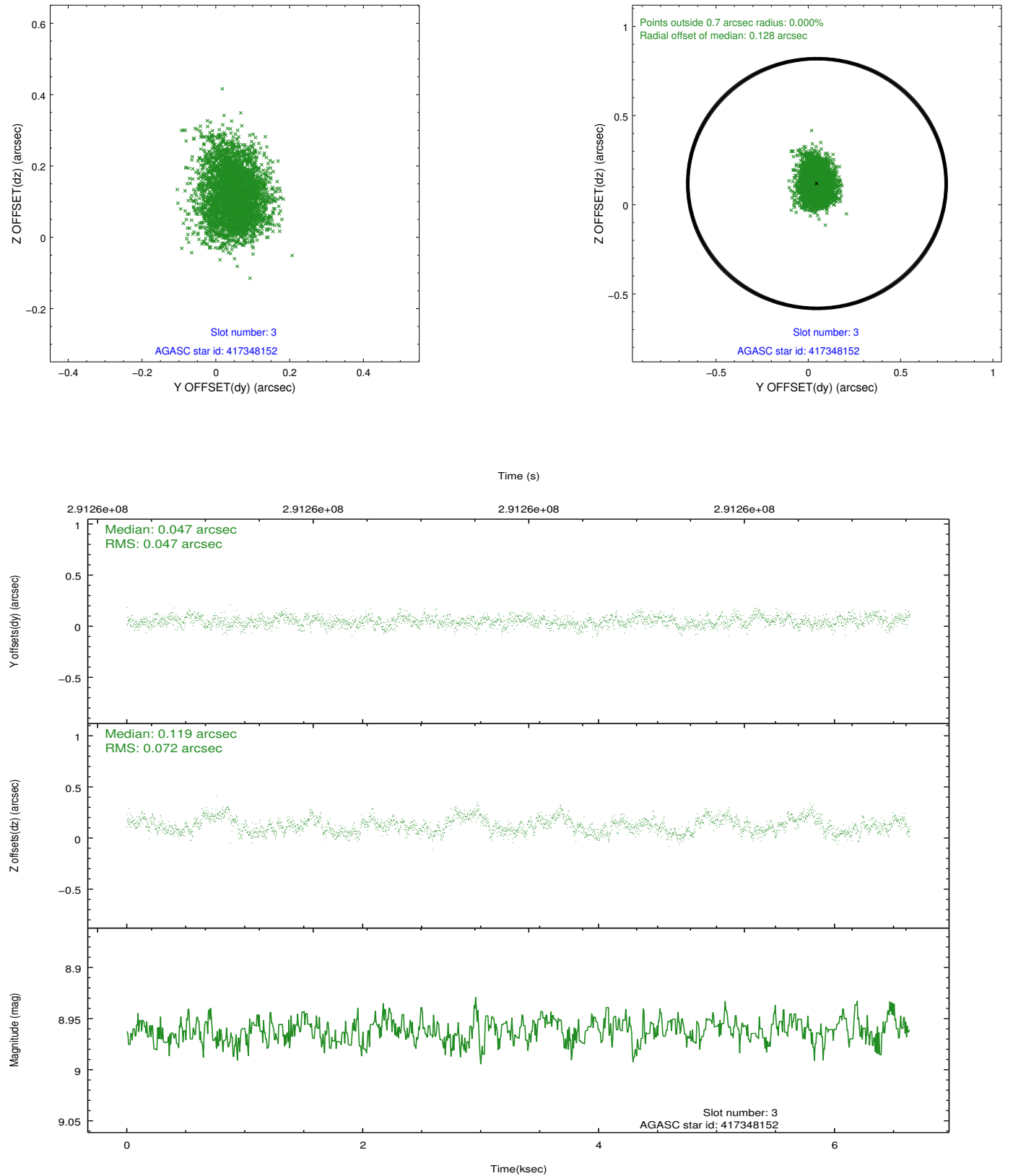


Slot Statistics

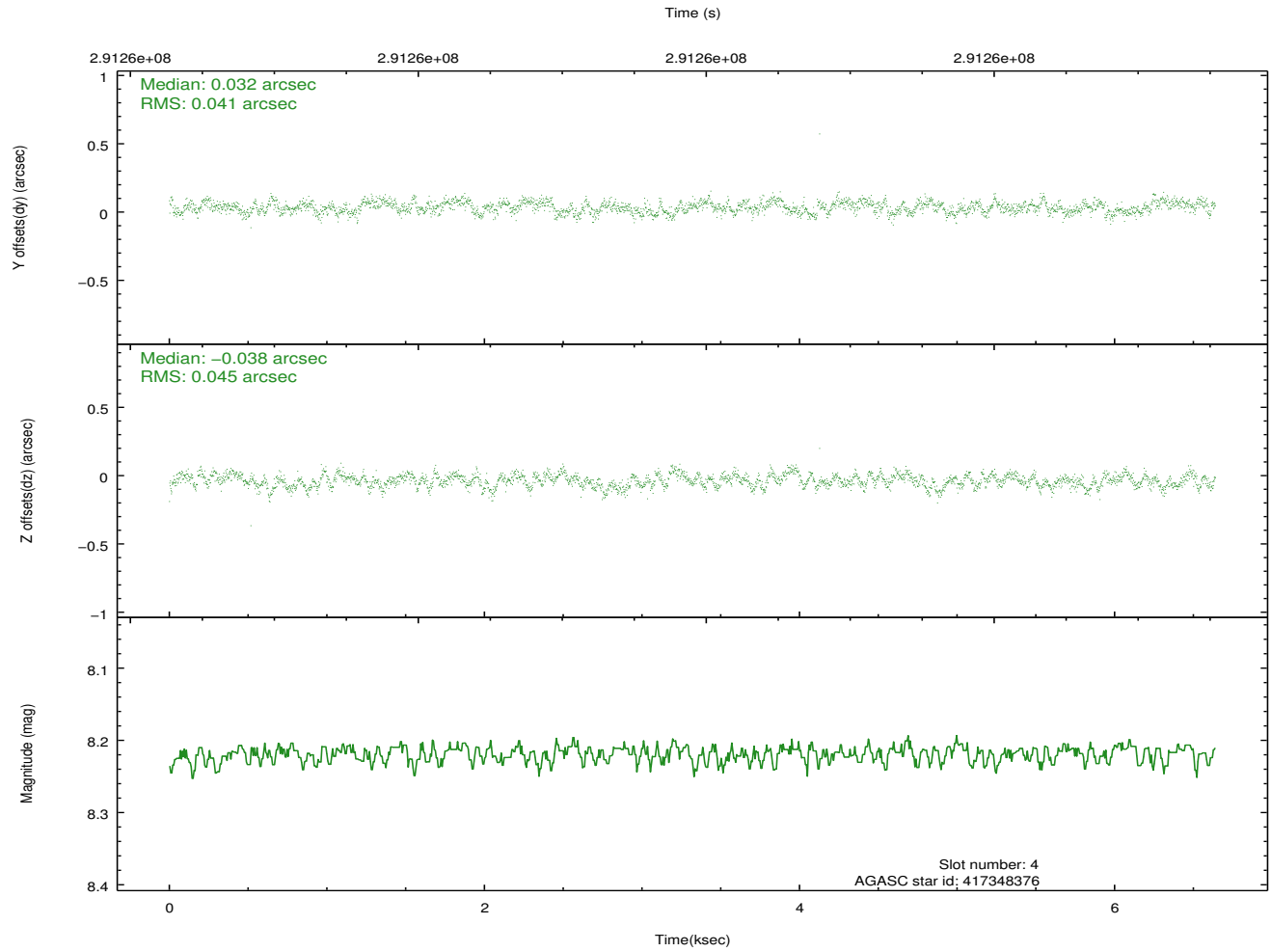
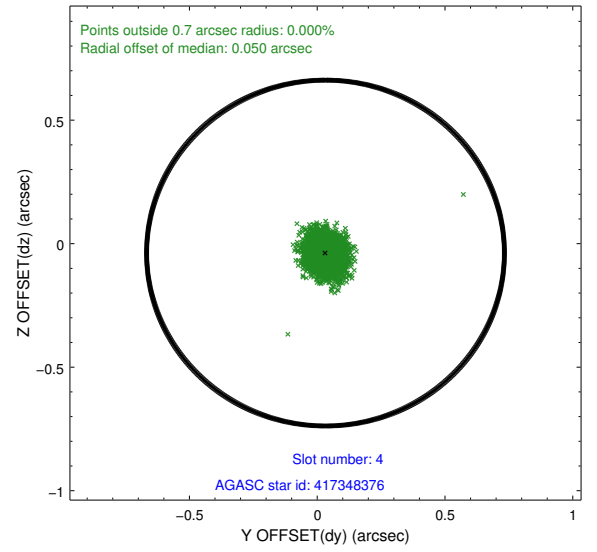
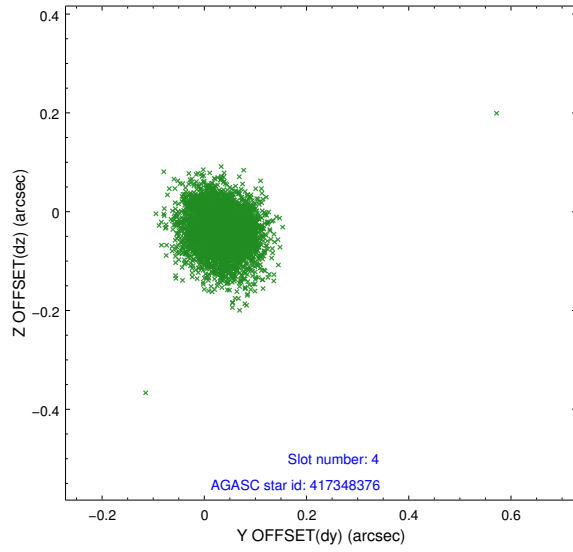
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-4	7.19	1620	0.179	0.001	0.008	0.012	0.000000	0.000000	2146.82	172.83
1	FID	ACIS-S-5	7.23	1619	-0.220	-0.004	0.007	0.012	0.000000	0.000000	-1818.65	166.37
2	FID	ACIS-S-6	7.33	1620	0.013	0.017	0.011	0.018	0.000000	0.000000	393.95	810.14
3	GUIDE	417348152	8.96	3238	0.047	0.119	0.092	0.145	326.316862	38.327313	194.57	-267.46
4	GUIDE	417348376	8.22	3239	0.032	-0.038	0.065	0.102	325.737694	38.184491	-1193.21	742.77
5	GUIDE	417351928	7.78	3239	-0.174	0.161	0.052	0.081	326.969486	38.210974	965.94	-1994.01
6	GUIDE	417341936	9.09	3238	-0.008	-0.241	0.084	0.133	326.275716	38.441212	454.38	69.55
7	GUIDE	417353776	8.38	3237	0.098	-0.001	0.078	0.134	327.374724	38.442431	2322.50	-2402.02

2.4 Star Slots

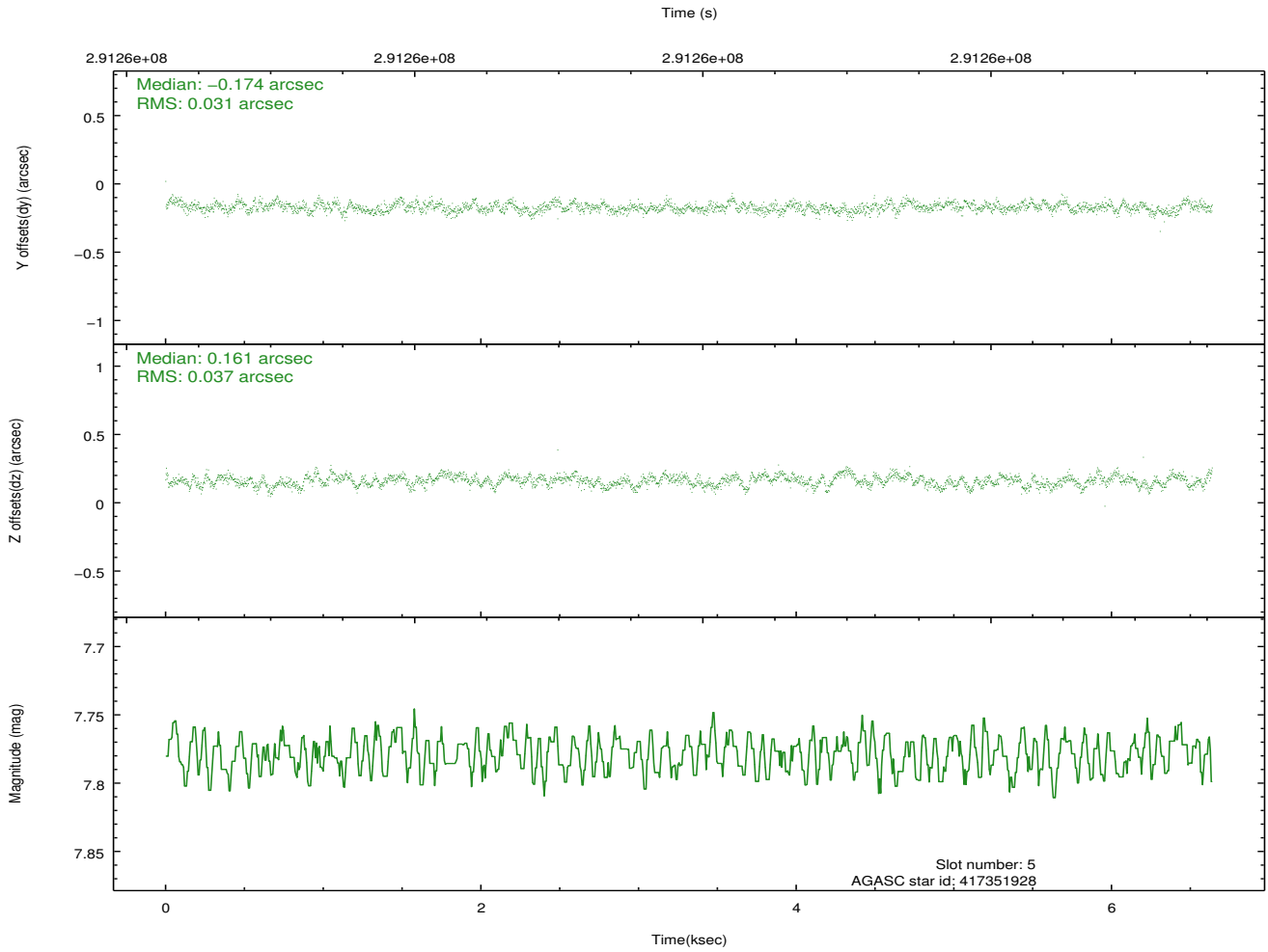
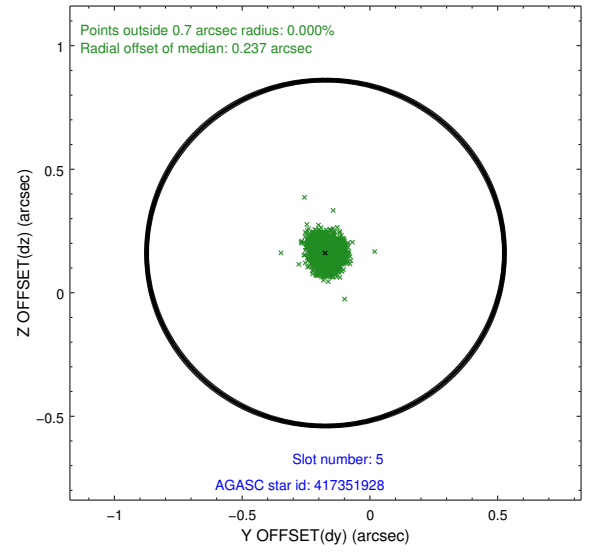
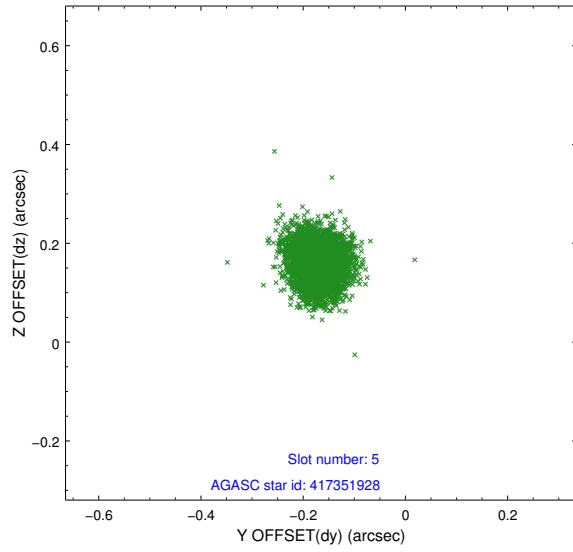
2.4.1 Slot 3



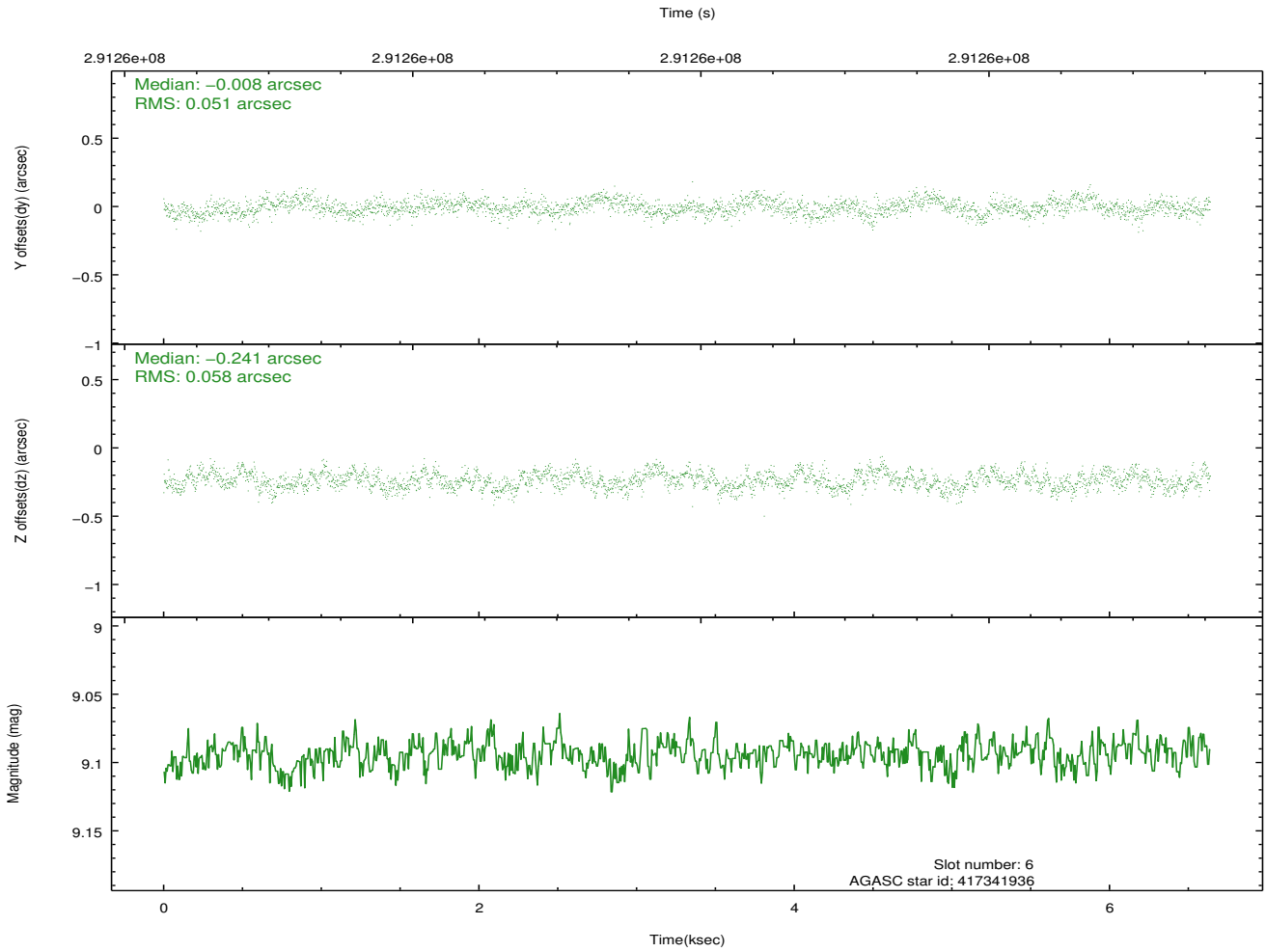
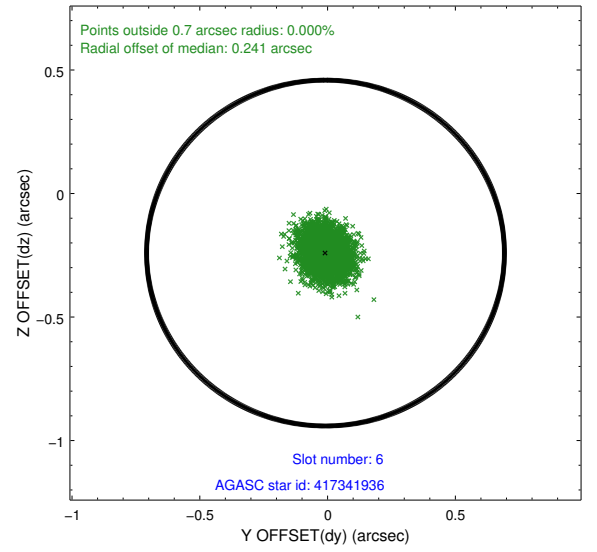
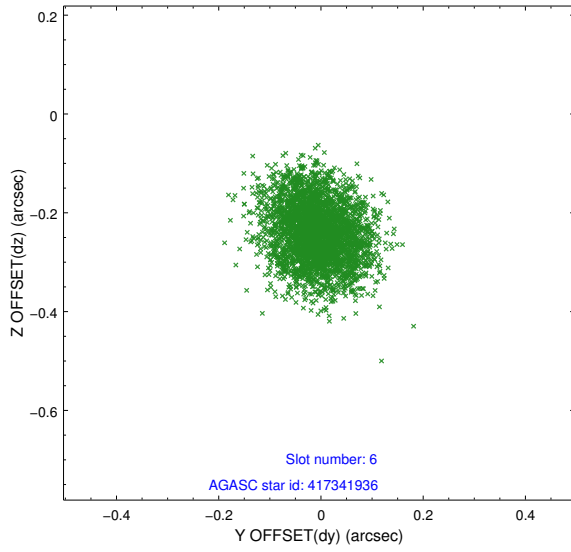
2.4.2 Slot 4



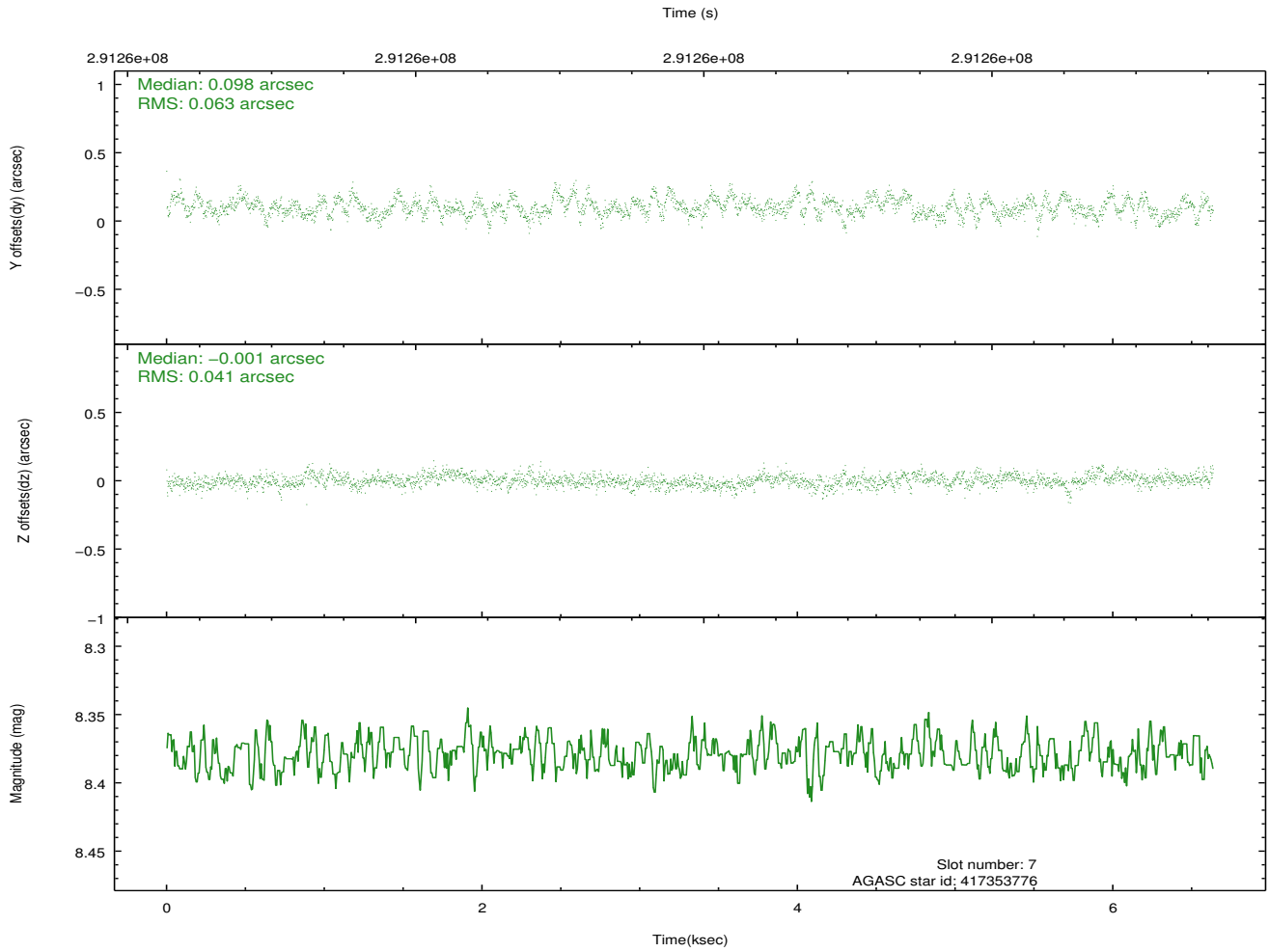
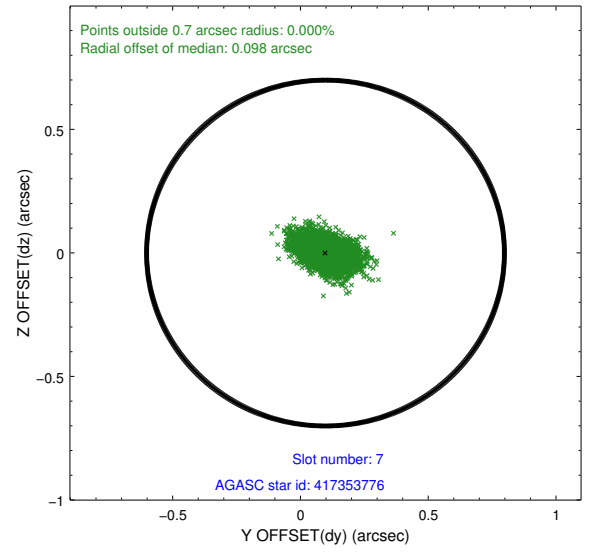
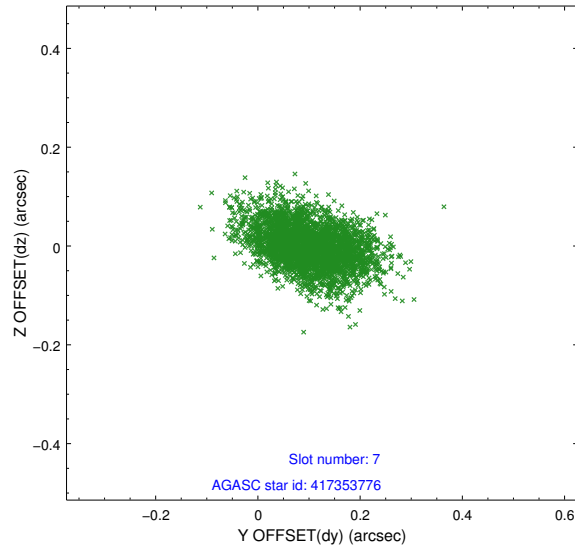
2.4.3 Slot 5



2.4.4 Slot 6

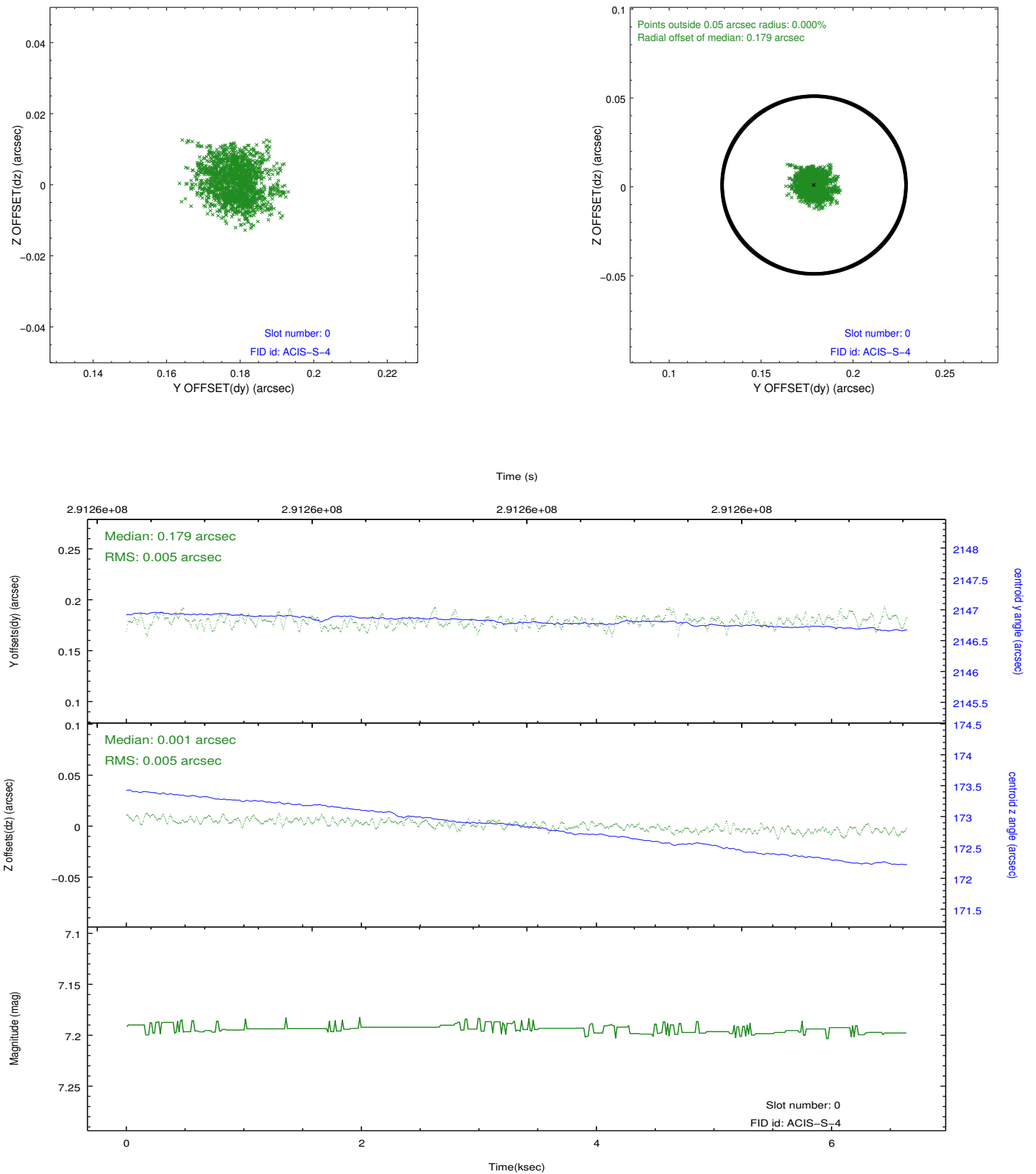


2.4.5 Slot 7

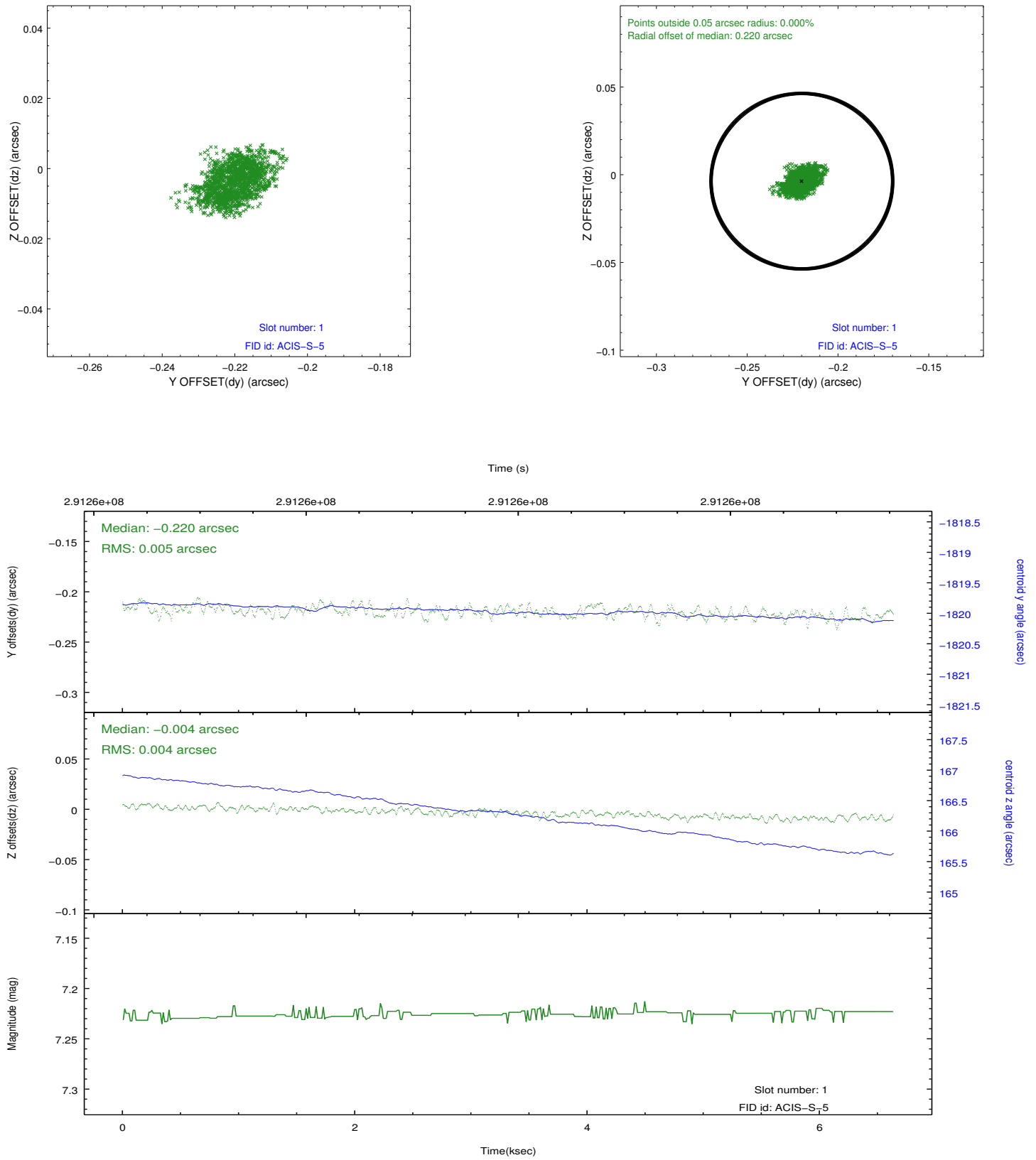


2.5 FID Slots

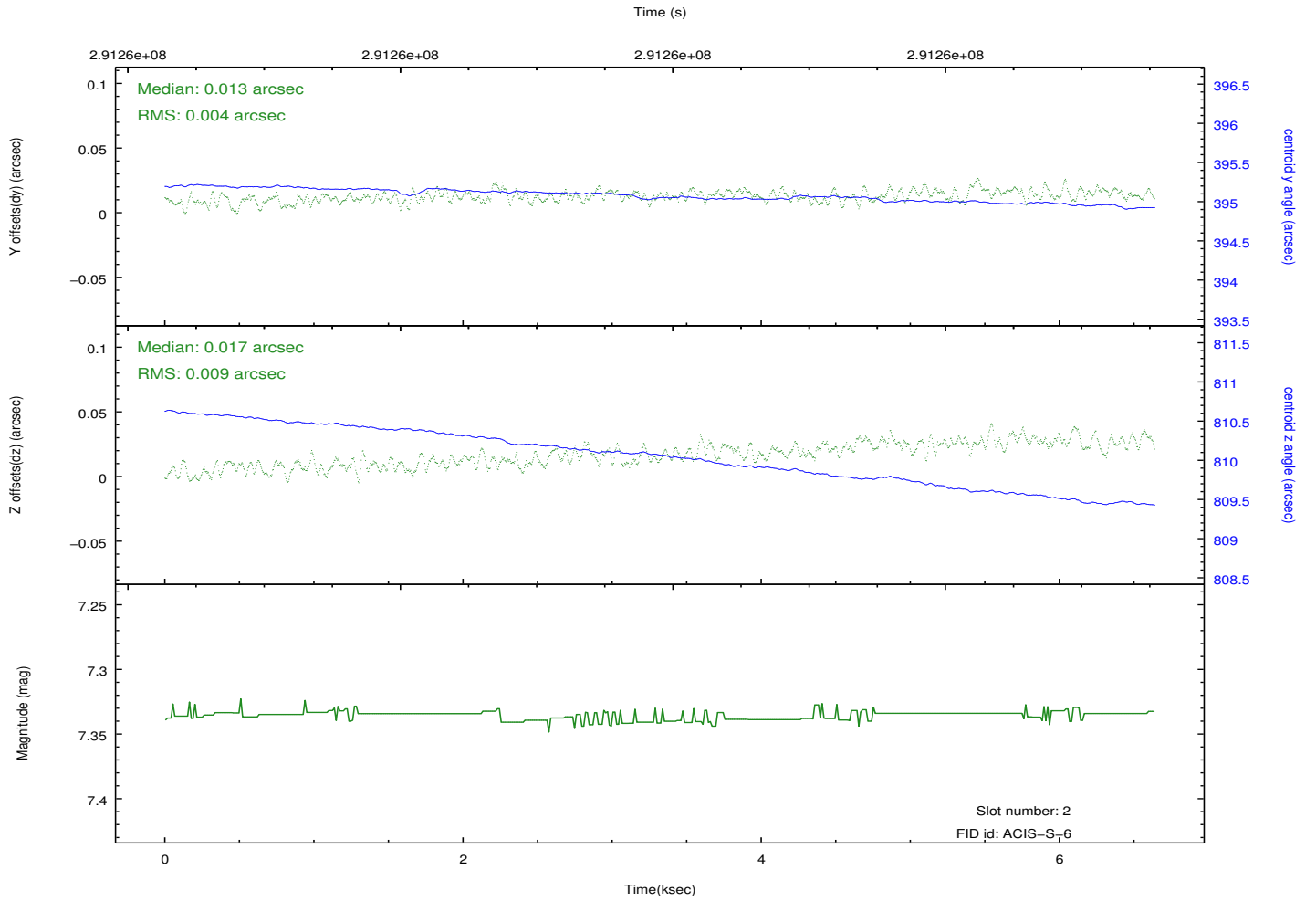
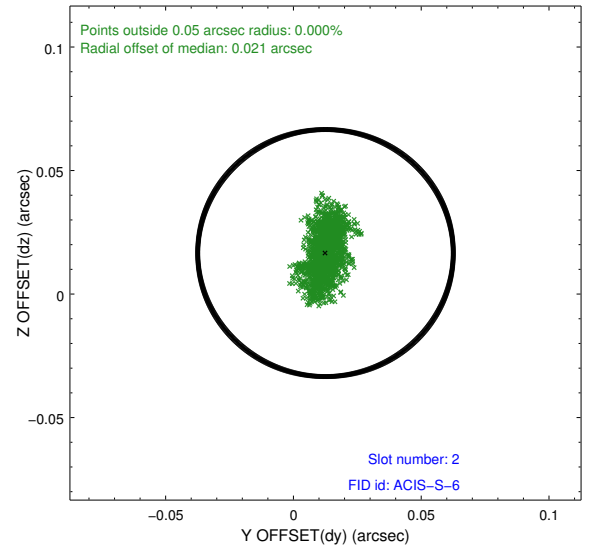
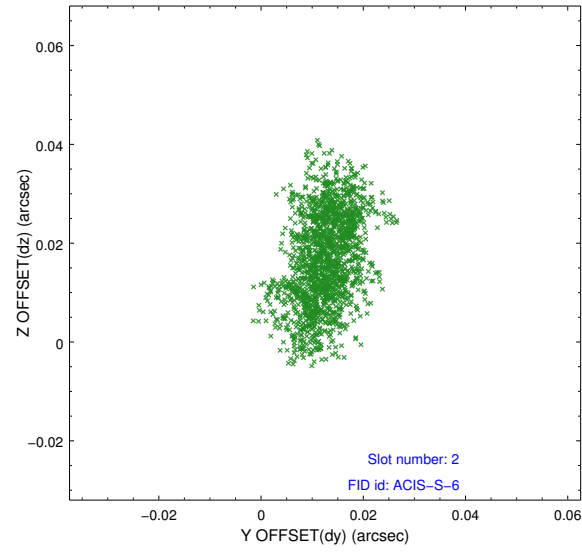
2.5.1 Slot 0



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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.63039997

A.2 Comments