

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8444 - L2 Version 2
Chandra X-Ray Center

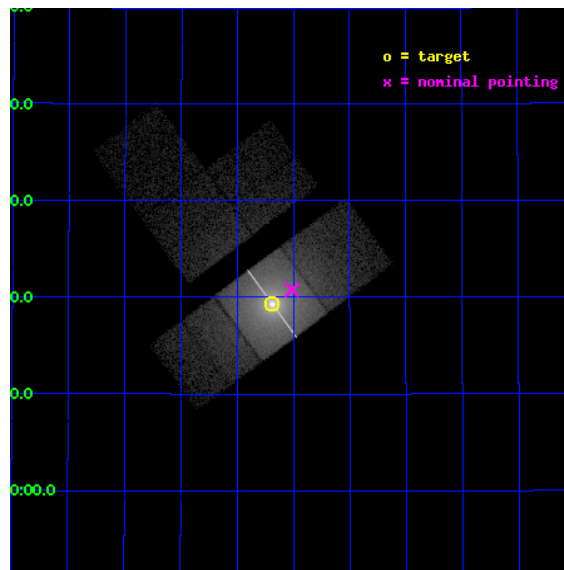
L2 Processing Date : Apr 27 2012

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1 Front

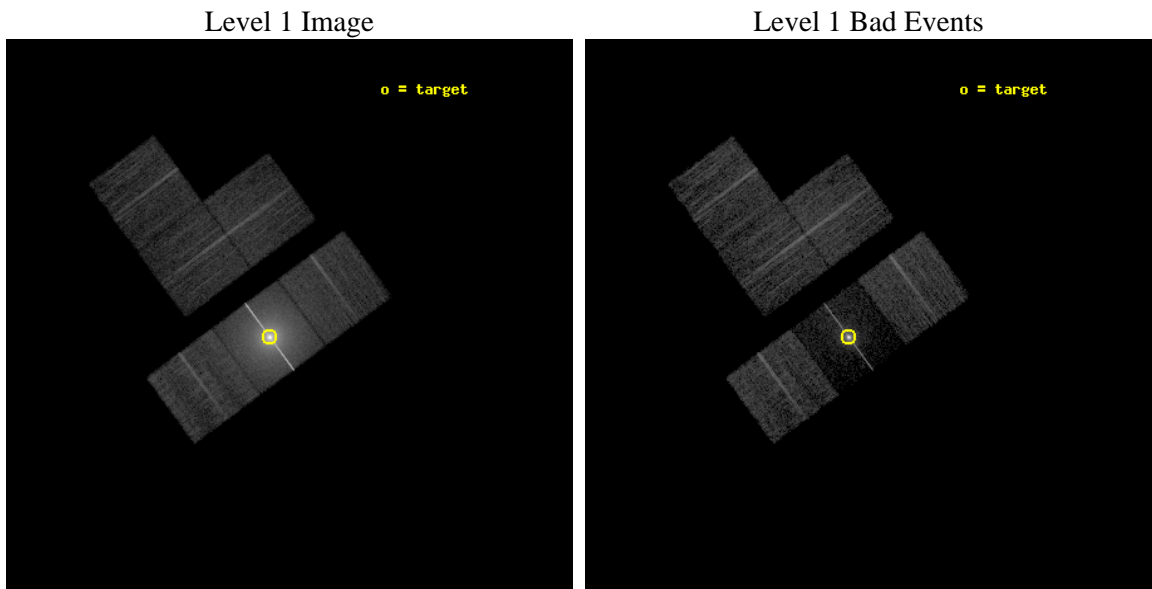
seq_num	900733	Sequence number
obs_id	8444	Observation id
title	Accurate Determination of the Dust-Scattering Halo Around Cyg X-2	
observer	Frederick Seward	Principal investigator
object	Cyg X-2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	326.171667	Observer's specified target RA [deg]
dec_targ	38.321667	Observer's specified target Dec [deg]
ra_nom	326.12839569464	Nominal RA [deg]
dec_nom	38.346367362572	Nominal Dec [deg]
roll_nom	143.58341634662	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6040.4039964676	Sum of GTIs [s]
livetime	5963.9167639697	Livetime [s]
ontime1	6040.4450364709	Sum of GTIs [s]
ontime2	6040.2398364544	Sum of GTIs [s]
ontime3	6040.321916461	Sum of GTIs [s]
ontime6	6040.3629564643	Sum of GTIs [s]
ontime7	6040.4039964676	Sum of GTIs [s]
ontime8	6040.2808764577	Sum of GTIs [s]
l2events	387745	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	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	6040.4039964676	Sum of GTIs [s]
caldsver	4.4.9	 	ontime1	6040.4450364709	Sum of GTIs [s]
date	2012-04-28T00:58:17	Date and time of file creation	ontime2	6040.2398364544	Sum of GTIs [s]
revision	2	Processing version of data	ontime3	6040.321916461	Sum of GTIs [s]
			ontime6	6040.3629564643	Sum of GTIs [s]
			ontime7	6040.4039964676	Sum of GTIs [s]
			ontime8	6040.2808764577	Sum of GTIs [s]
			l1events	655886	Number of level 1 events

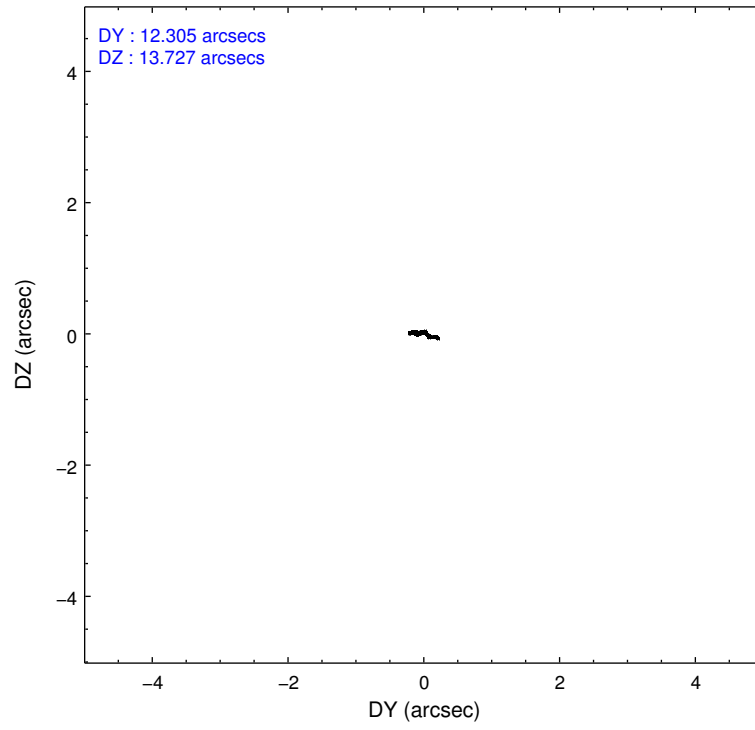
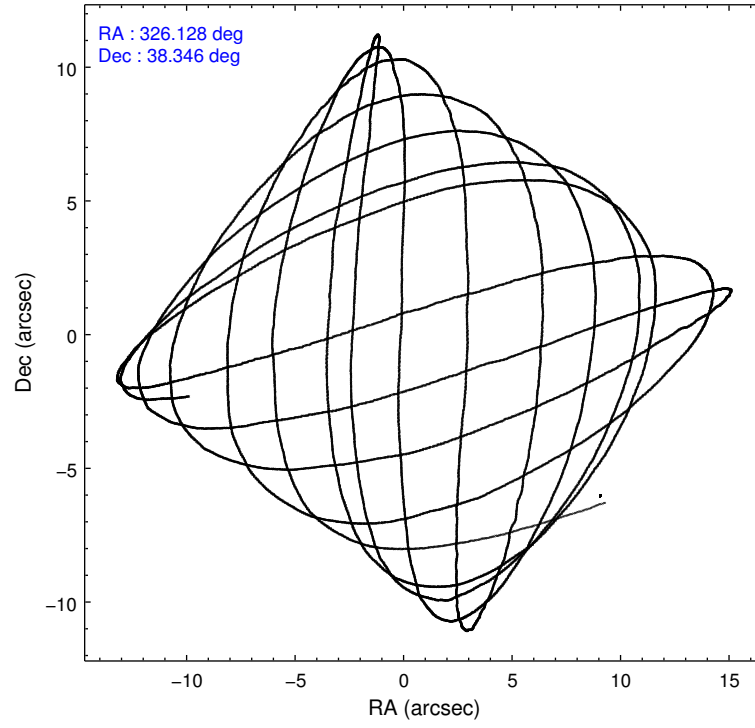
2.1.3 Events

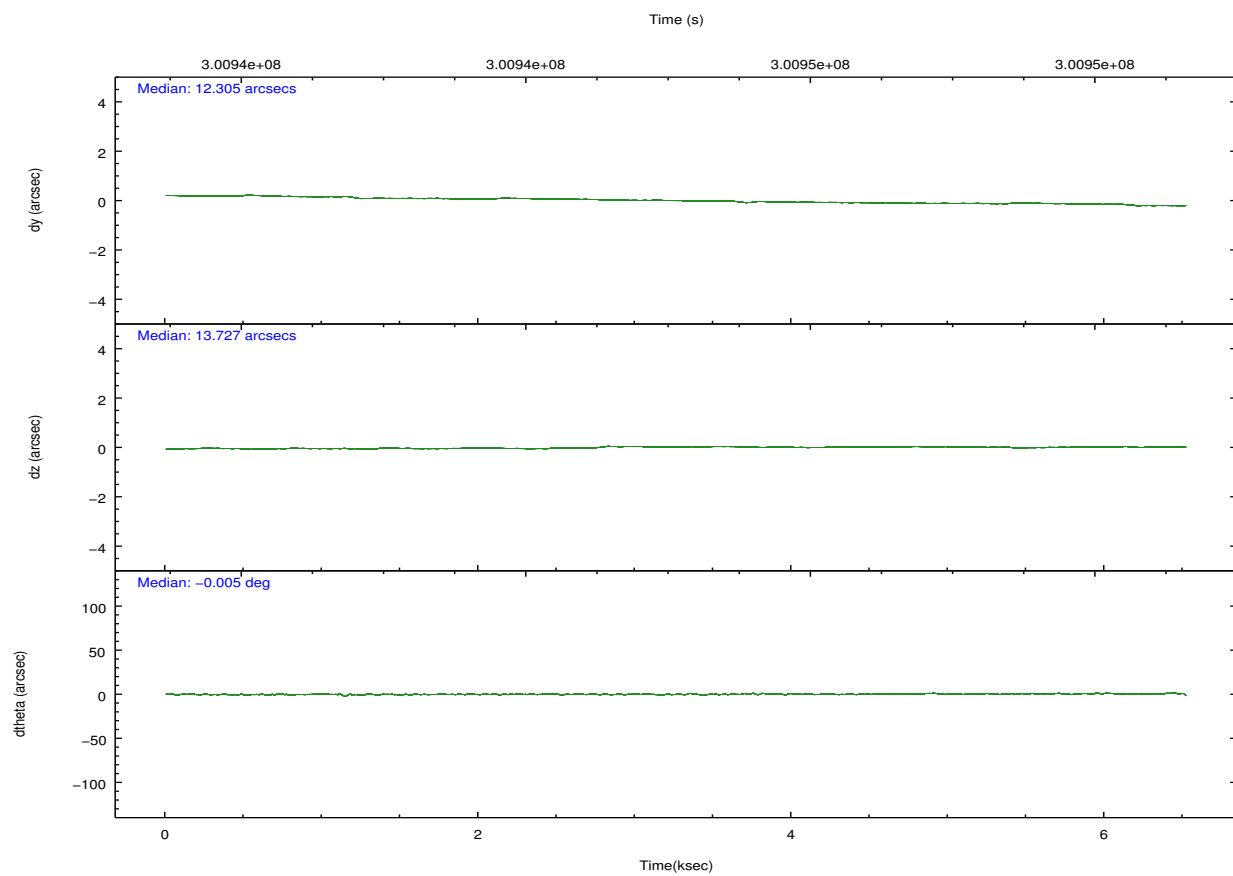
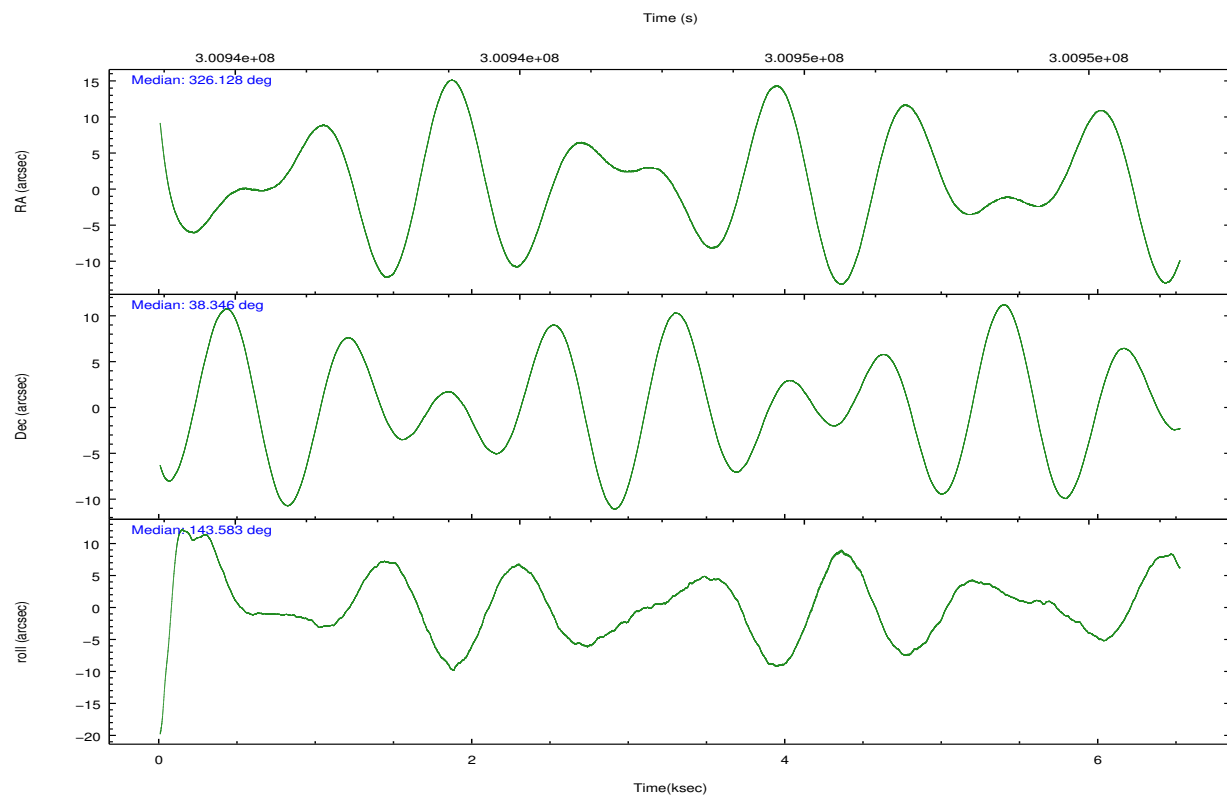
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8		ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	41017	48315	45141	58336	400222	62855	grade 0 events	2085	4093	5506	12329	68347	12972
rejected events	36337	41020	36171	39738	47268	37325		5%	8%	12%	21%	17%	20%
rejected %	88%	84%	80%	68%	11%	59%	grade 1 events	20	21	24	57	1999	73
								0%	0%	0%	0%	0%	0%
							grade 2 events	1026	1719	1710	3488	110493	5016
								2%	3%	3%	5%	27%	7%
							grade 3 events	428	417	505	777	31679	1688
								1%	0%	1%	1%	7%	2%
							grade 4 events	425	412	454	794	31835	1606
								1%	0%	1%	1%	7%	2%
							grade 5 events	722	491	668	712	10235	1192
								1%	1%	1%	1%	2%	1%
							grade 6 events	719	655	800	1213	110813	4262
								1%	1%	1%	2%	27%	6%
							grade 7 events	35592	40507	35474	38966	34821	36046
								86%	83%	78%	66%	8%	57%

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	326.163205	326.1283956946447	Subarray requested	NONE	NONE
[deg] Pointing Dec	38.343680	38.34636736257212	Alternating exposures requested	N	N
[deg] Pointing Roll	143.405237	143.5834163466183	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	300942318.184000	300941143.36235			
Observation start date	2007-07-16T03:04:13	2007-07-16T02:45:43			
[s] Observation end time (MET)	300948318.184000	300948901.58772			
Observation end date	2007-07-16T04:44:13	2007-07-16T04:55:01			
Read mode	TIMED	TIMED			

2.3 Aspect



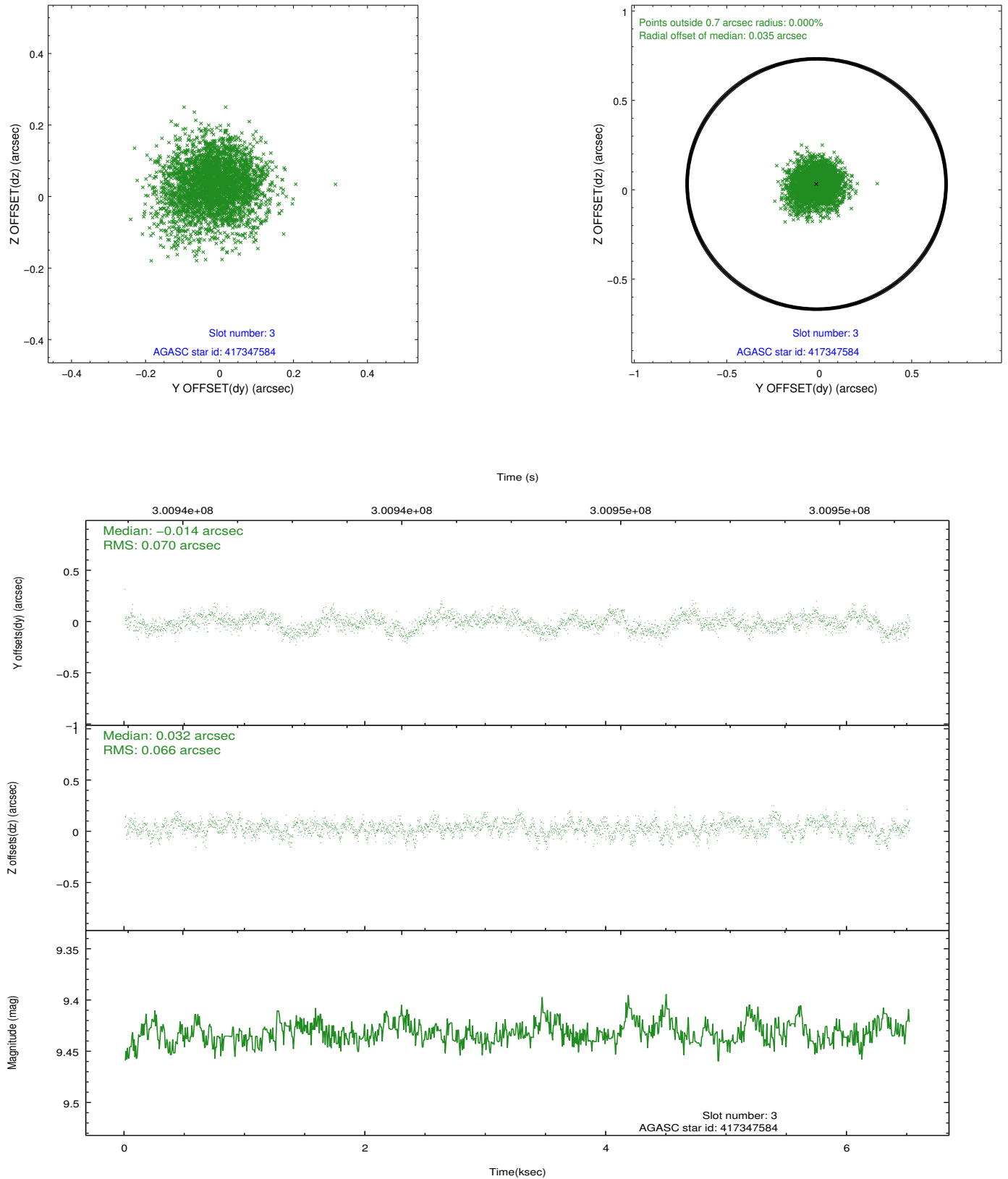


Slot Statistics

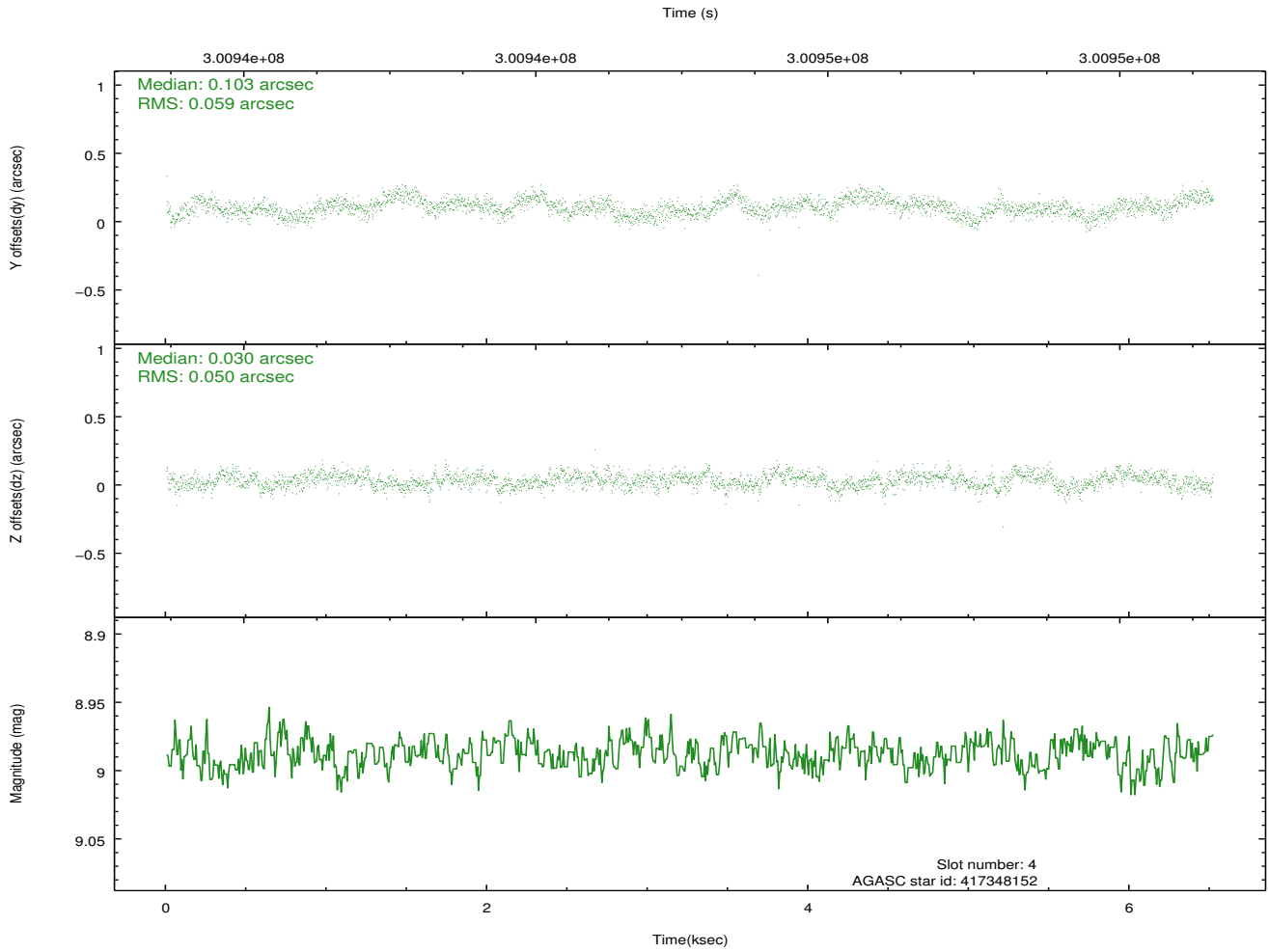
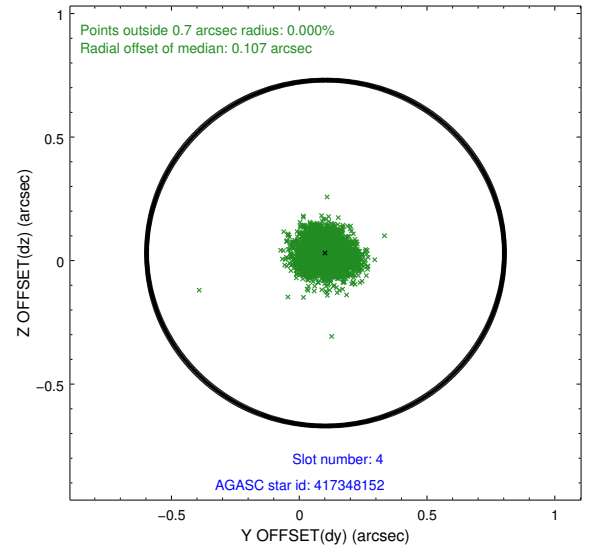
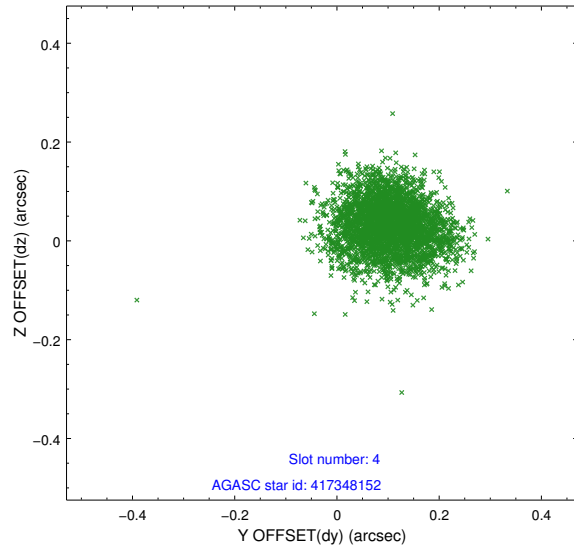
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1590	0.059	-0.021	0.007	0.012	0.000000	0.000000	930.87	-1730.72
1	FID	ACIS-S-4	7.19	1590	0.101	-0.009	0.006	0.011	0.000000	0.000000	2148.83	172.51
2	FID	ACIS-S-5	7.23	1590	-0.187	0.043	0.007	0.013	0.000000	0.000000	-1817.08	167.20
3	GUIDE	417347584	9.43	3178	-0.014	0.032	0.103	0.167	326.789051	38.342651	-1417.40	-1055.27
4	GUIDE	417348152	8.99	3177	0.103	0.030	0.082	0.131	326.316862	38.327313	-383.66	-211.97
5	GUIDE	417348376	8.21	3179	-0.172	-0.178	0.061	0.098	325.737694	38.184491	626.60	1176.13
6	GUIDE	417351928	7.76	3179	0.032	0.043	0.057	0.094	326.969486	38.210974	-2109.74	-983.58
7	GUIDE	417341936	9.11	3174	0.045	0.073	0.083	0.135	326.275716	38.441212	-45.87	-471.42

2.4 Star Slots

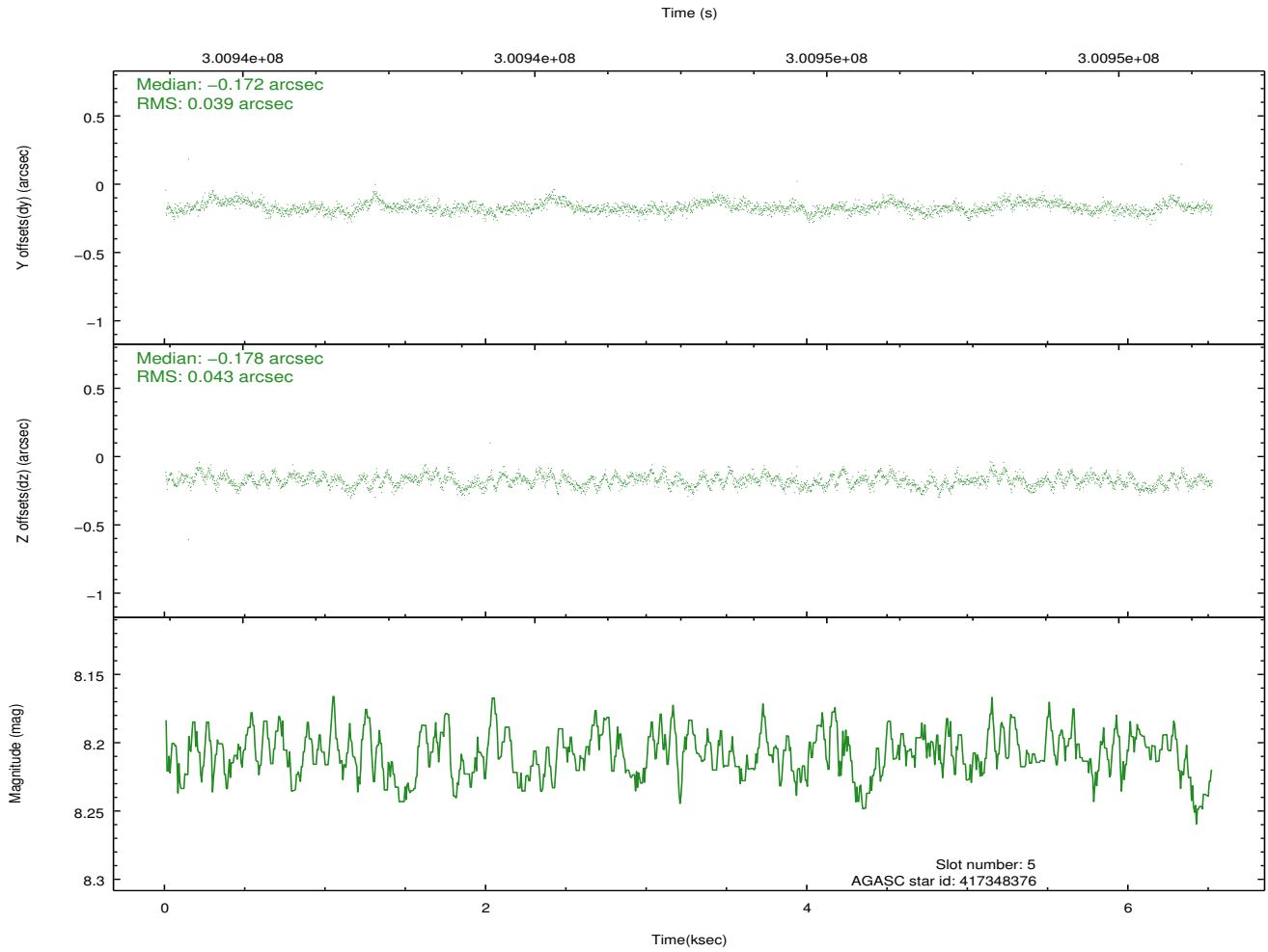
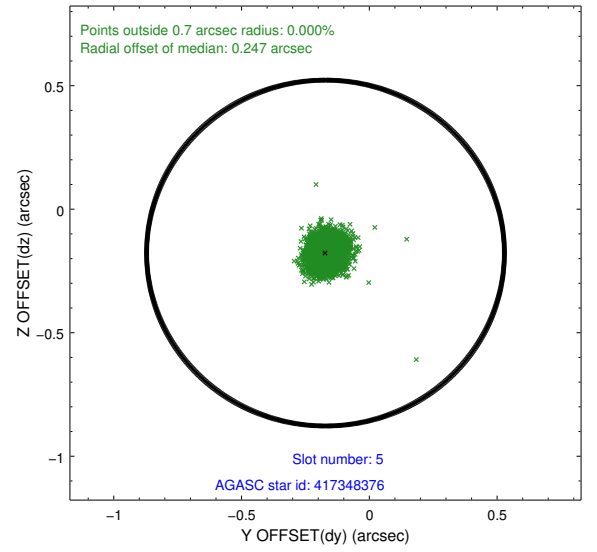
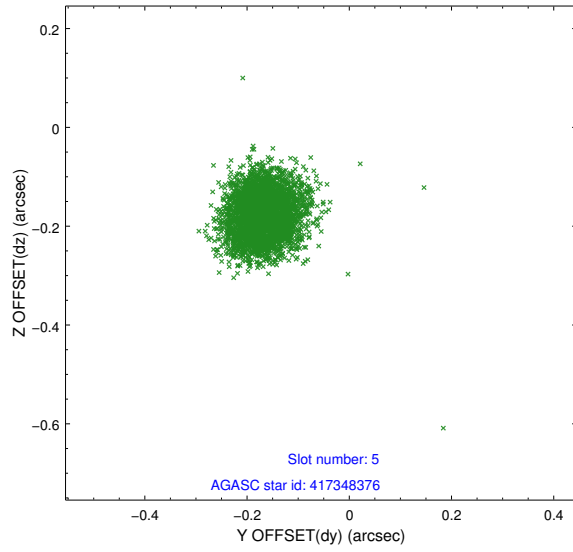
2.4.1 Slot 3



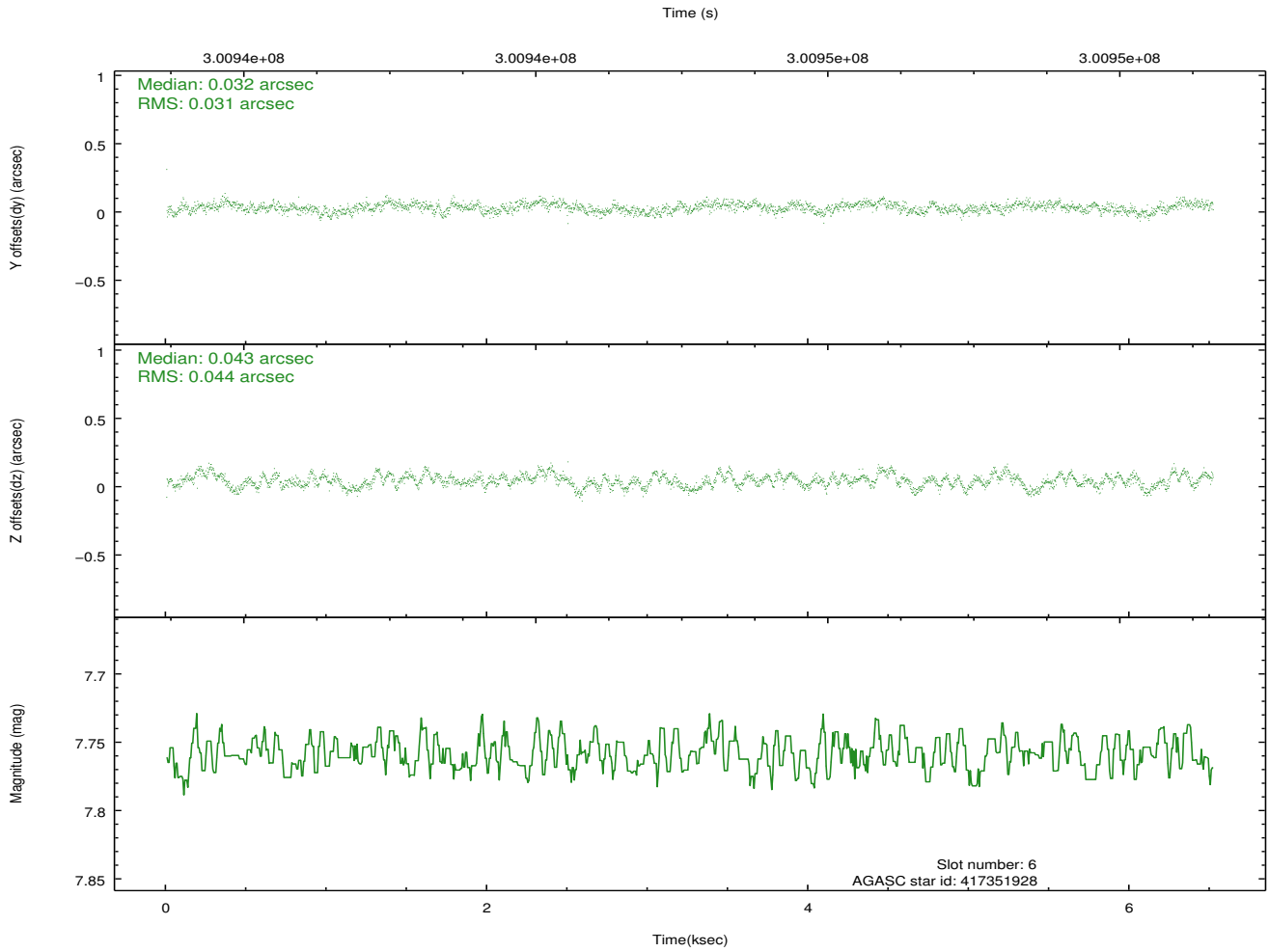
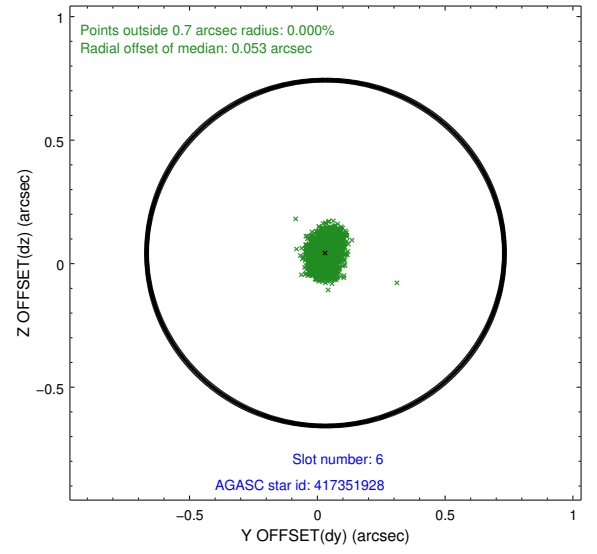
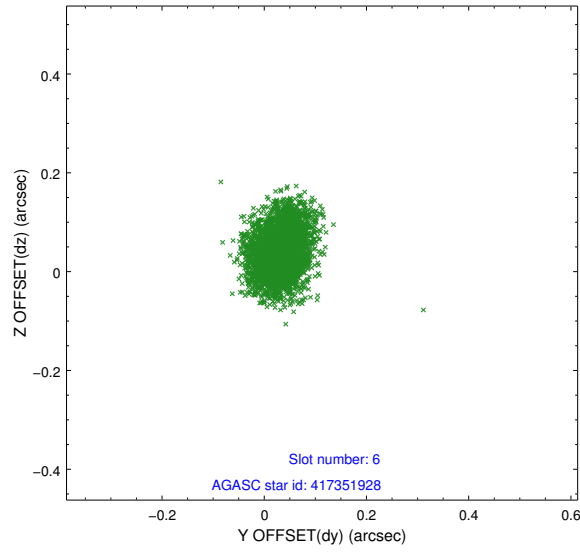
2.4.2 Slot 4



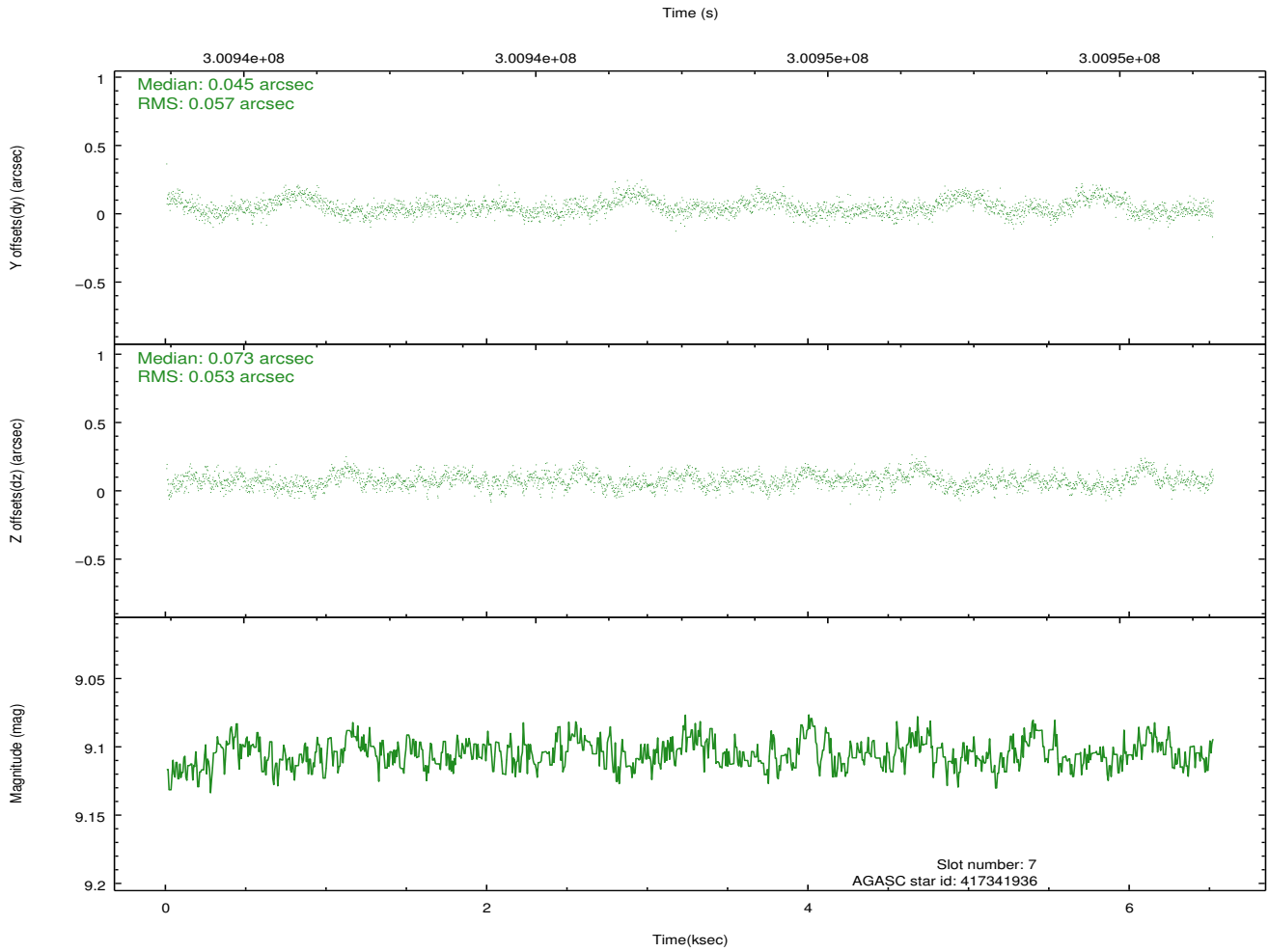
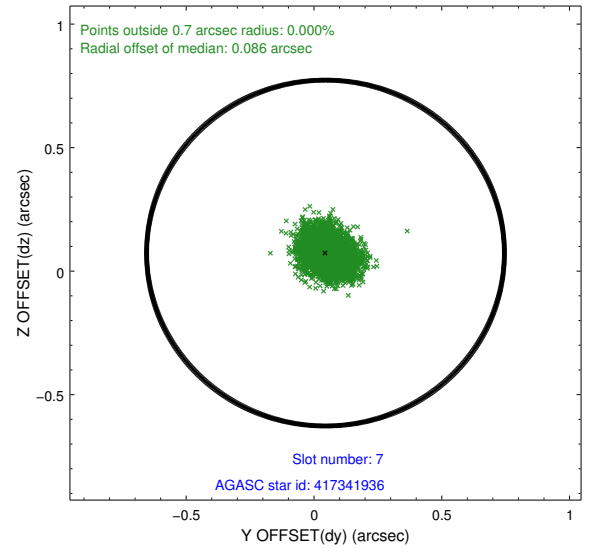
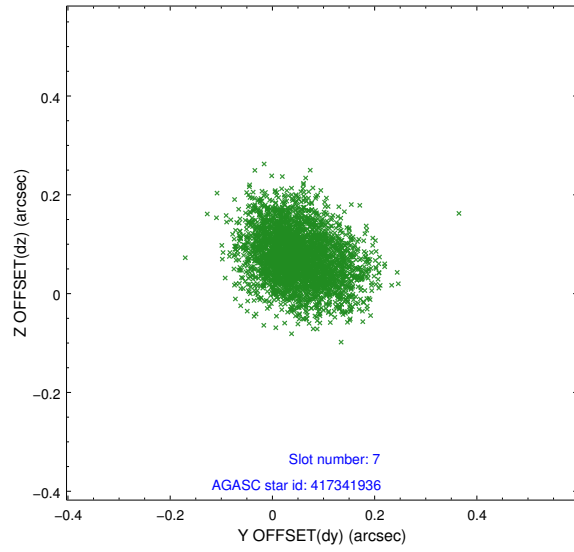
2.4.3 Slot 5



2.4.4 Slot 6

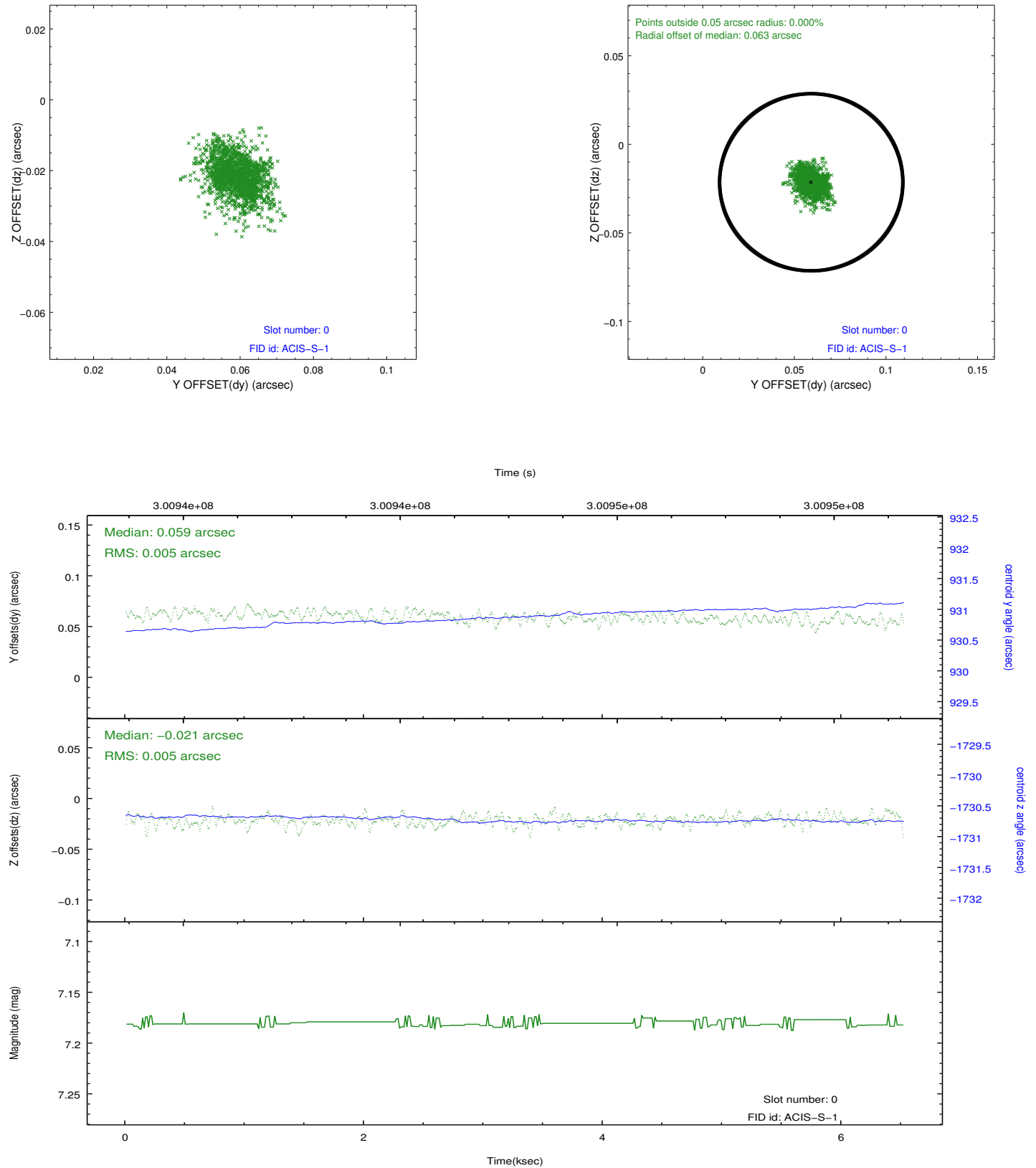


2.4.5 Slot 7

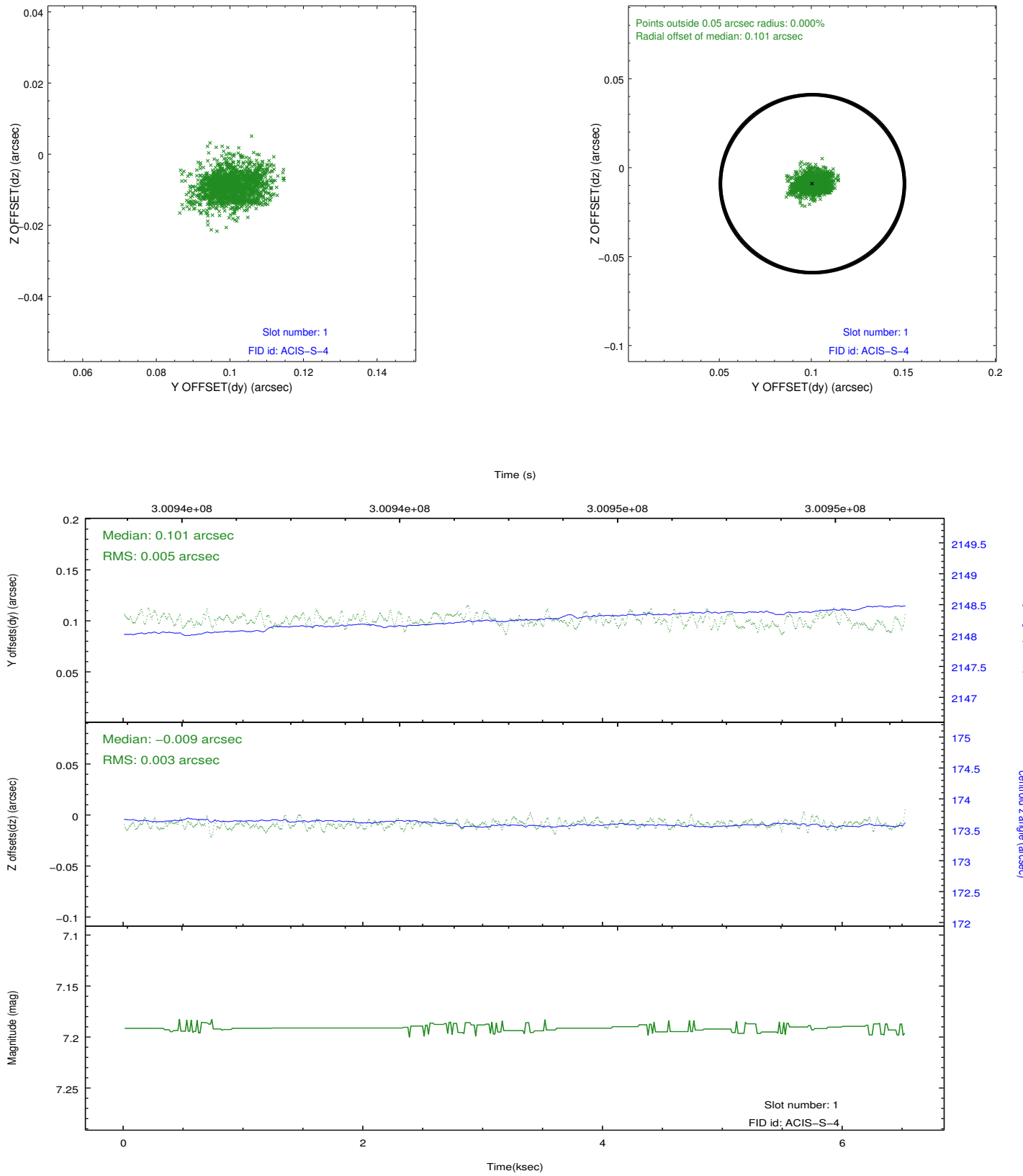


2.5 FID Slots

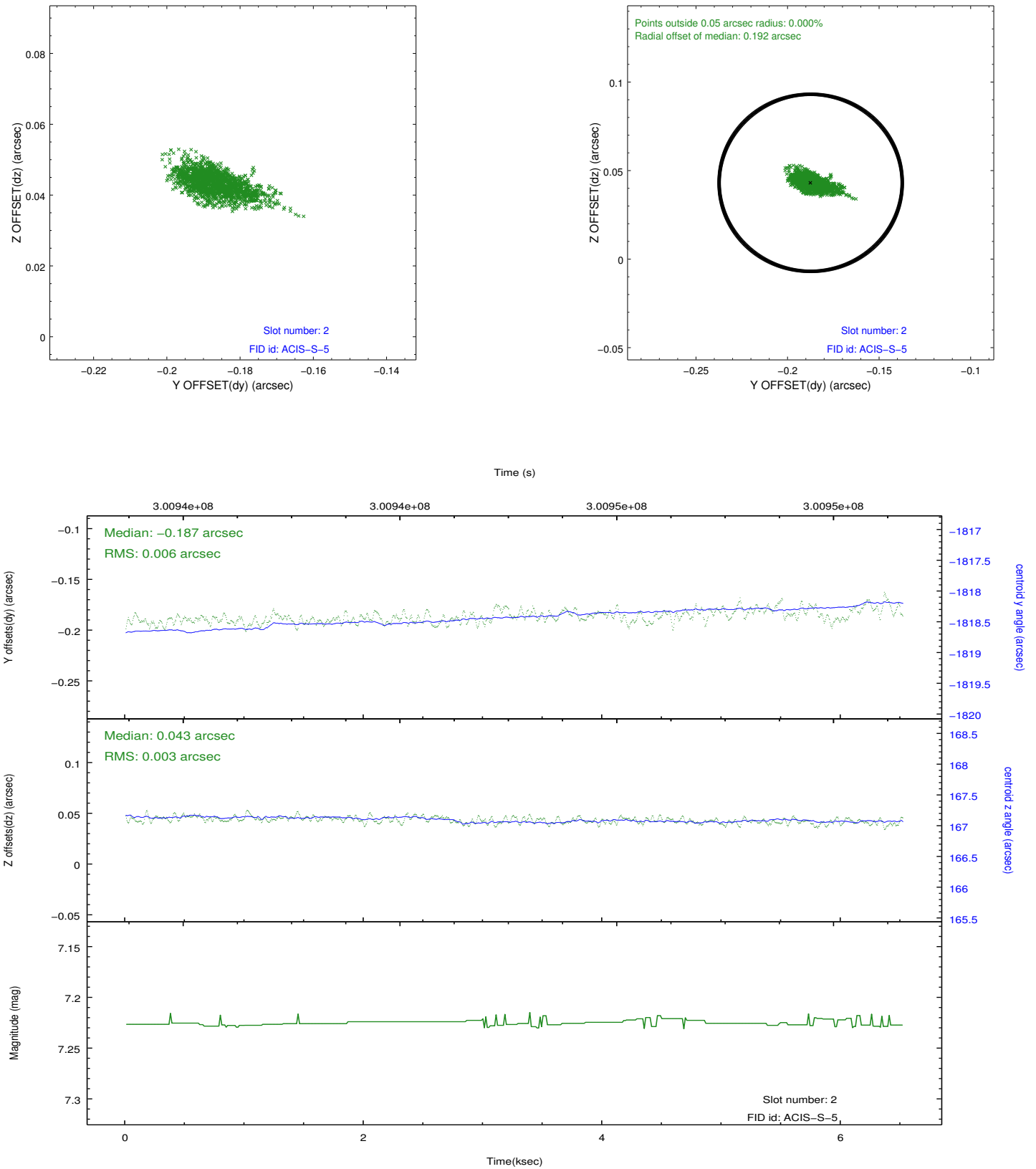
2.5.1 Slot 0



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)	2012.04.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.04159997

A.2 Comments

Monitor constraint met, follows obs8224 by 112 days.