

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 819 - L2 Version 4
Chandra X-Ray Center

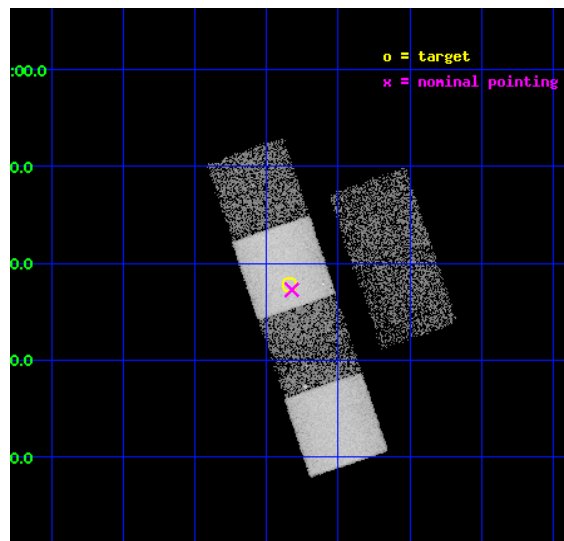
L2 Processing Date : Aug 25 2012

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1 Front

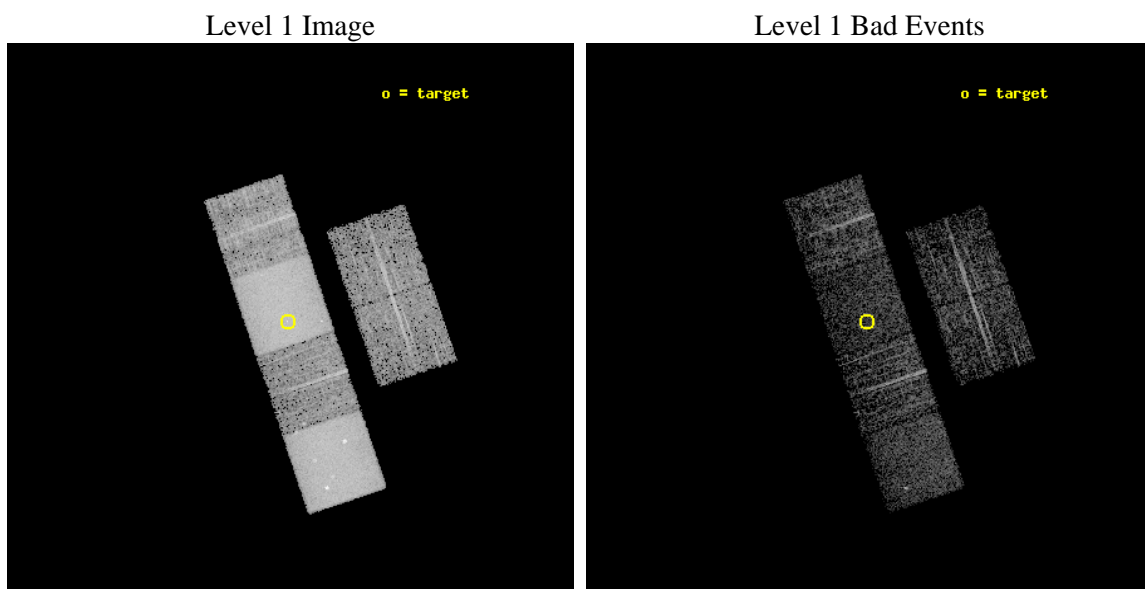
seq_num	700124	Sequence number
obs_id	819	Observation id
title	LIFTING THE SHROUD AROUND BROAD ABSORPTION LINE QSOS: AN AXAF SURVEY	
observer	Dr. Paul Green	Principal investigator
object	UM 425	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	170.835833	Observer's specified target RA [deg]
dec_targ	1.629778	Observer's specified target Dec [deg]
ra_nom	170.83090288084	Nominal RA [deg]
dec_nom	1.6209700070133	Nominal Dec [deg]
roll_nom	251.30434601915	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2675.2000024766	Sum of GTIs [s]
livetime	2641.3250092332	Livetime [s]
ontime2	2675.2000024766	Sum of GTIs [s]
ontime3	2675.2000024766	Sum of GTIs [s]
ontime5	2675.2000024766	Sum of GTIs [s]
ontime6	2675.2000024766	Sum of GTIs [s]
ontime7	2675.2000024766	Sum of GTIs [s]
ontime8	2675.2000024766	Sum of GTIs [s]
l2events	131833	Number of level 2 events



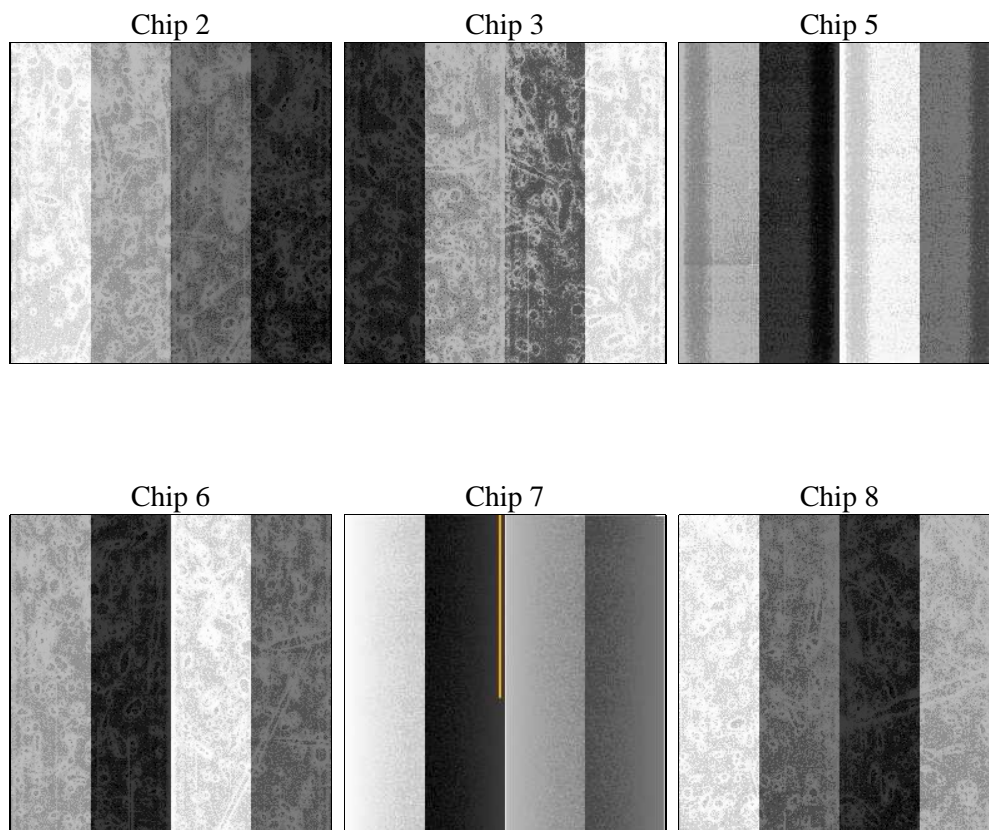
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2675.2000024766	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	2675.2000024766	Sum of GTIs [s]
date	2012-08-25T14:47:18	Date and time of file creation	ontime3	2675.2000024766	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	2675.2000024766	Sum of GTIs [s]
			ontime6	2675.2000024766	Sum of GTIs [s]
			ontime7	2675.2000024766	Sum of GTIs [s]
			ontime8	2675.2000024766	Sum of GTIs [s]
			l1events	246221	Number of level 1 events

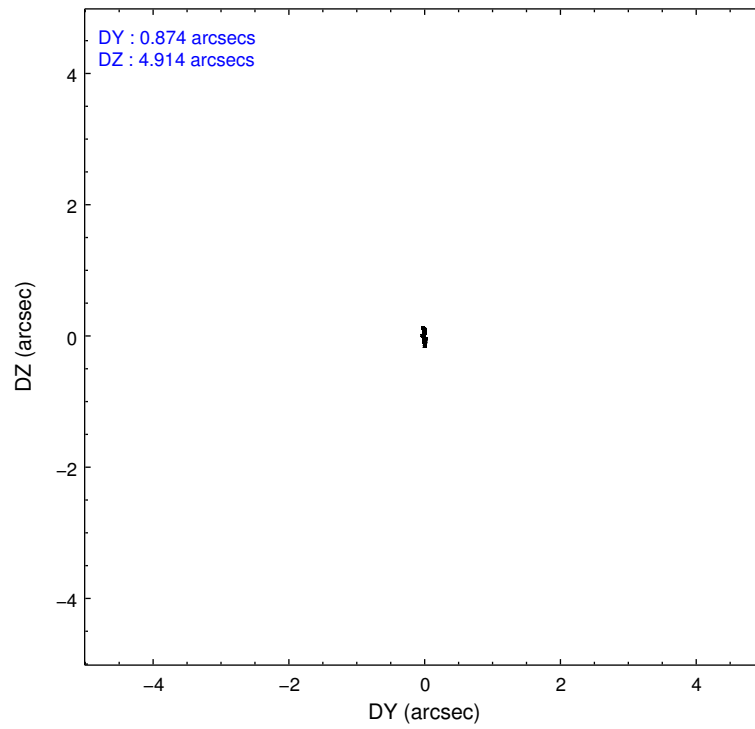
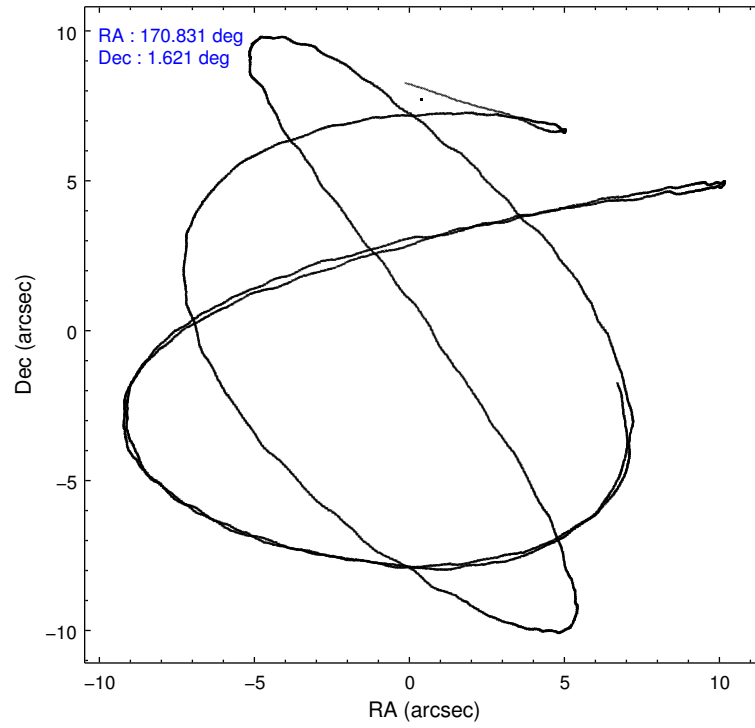
2.1.4 Events

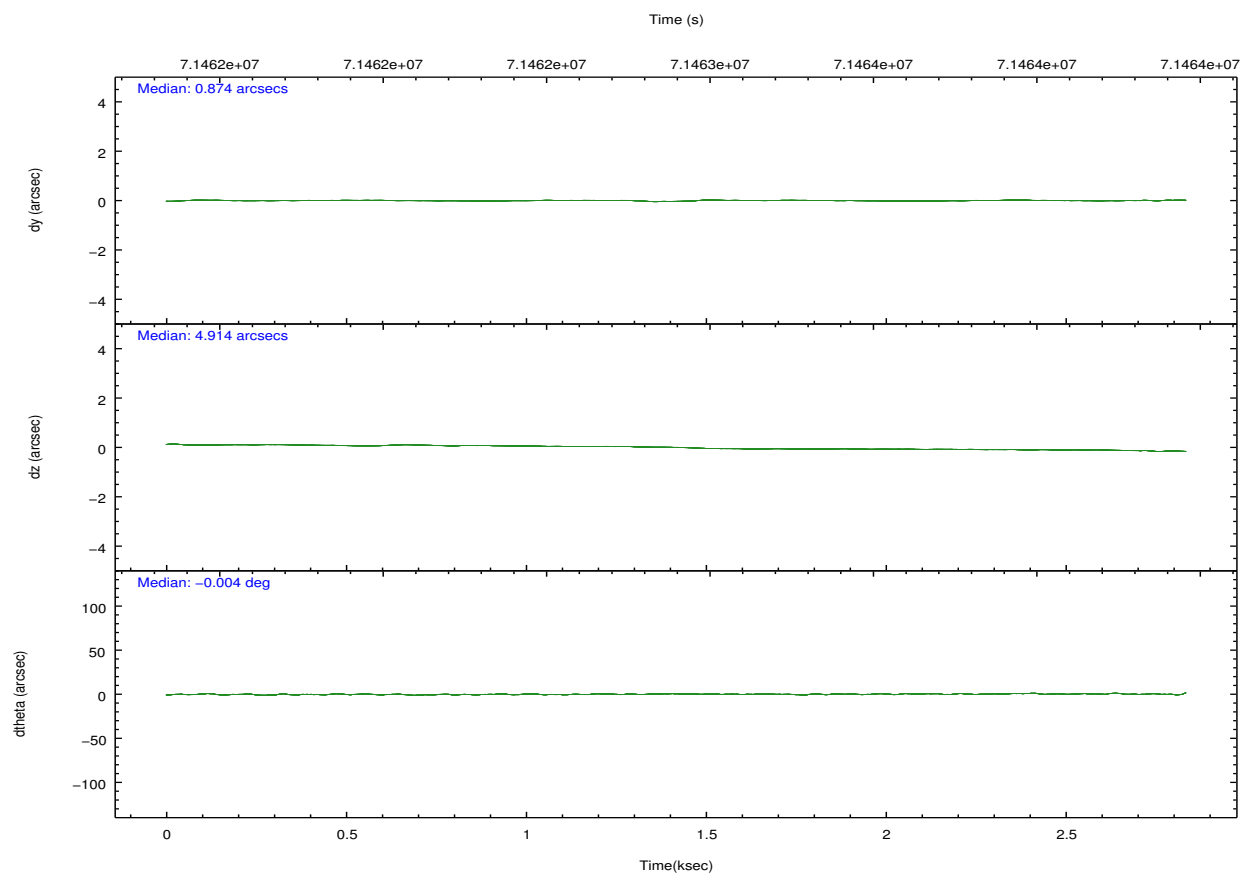
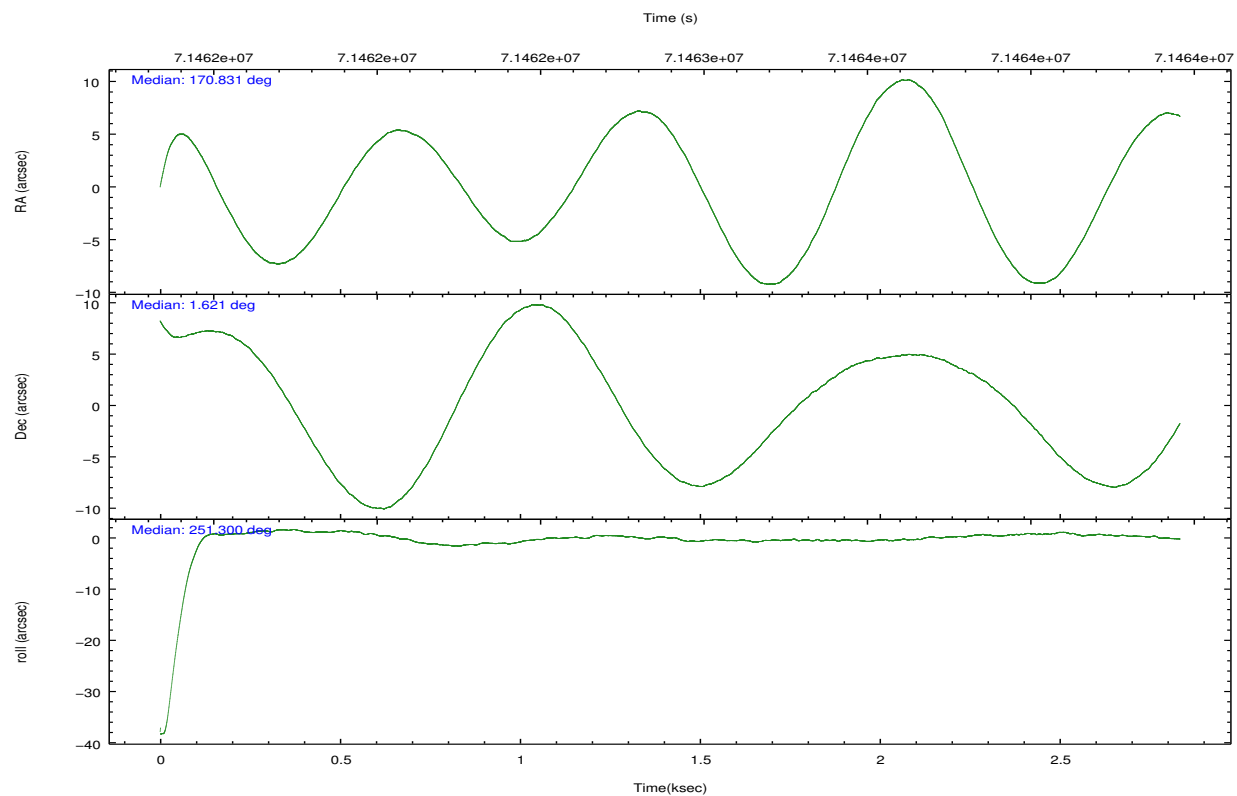
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	21006	19873	74702	23063	75854	31723	grade 0 events	1726	1737	10847	3207	7900	4961
rejected events	17599	16428	16714	18009	13580	19508		8%	8%	14%	13%	10%	15%
rejected %	83%	82%	22%	78%	17%	61%	grade 1 events	21	11	51	16	36	43
								0%	0%	0%	0%	0%	0%
							grade 2 events	721	763	16011	889	11464	1878
								3%	3%	21%	3%	15%	5%
							grade 3 events	198	211	3841	230	5154	1682
								0%	1%	5%	0%	6%	5%
							grade 4 events	240	201	3702	207	4953	1527
								1%	1%	4%	0%	6%	4%
							grade 5 events	588	609	2383	704	2377	967
								2%	3%	3%	3%	3%	3%
							grade 6 events	526	537	23608	523	32827	2171
								2%	2%	31%	2%	43%	6%
							grade 7 events	16986	15804	14259	17287	11143	18494
								80%	79%	19%	74%	14%	58%

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	170.825469	170.8309028808443	Subarray requested	NONE	NONE
[deg] Pointing Dec	1.647929	1.620970007013279	Alternating exposures requested	N	N
[deg] Pointing Roll	251.148029	251.3043460191484	[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)	71461912.184000	71460644.907585			
Observation start date	2000-04-07T02:30:48	2000-04-07T02:10:44			
[s] Observation end time (MET)	71464312.184000	71464967.84524301			
Observation end date	2000-04-07T03:10:48	2000-04-07T03:22:47			
Read mode	TIMED	TIMED			

2.3 Aspect



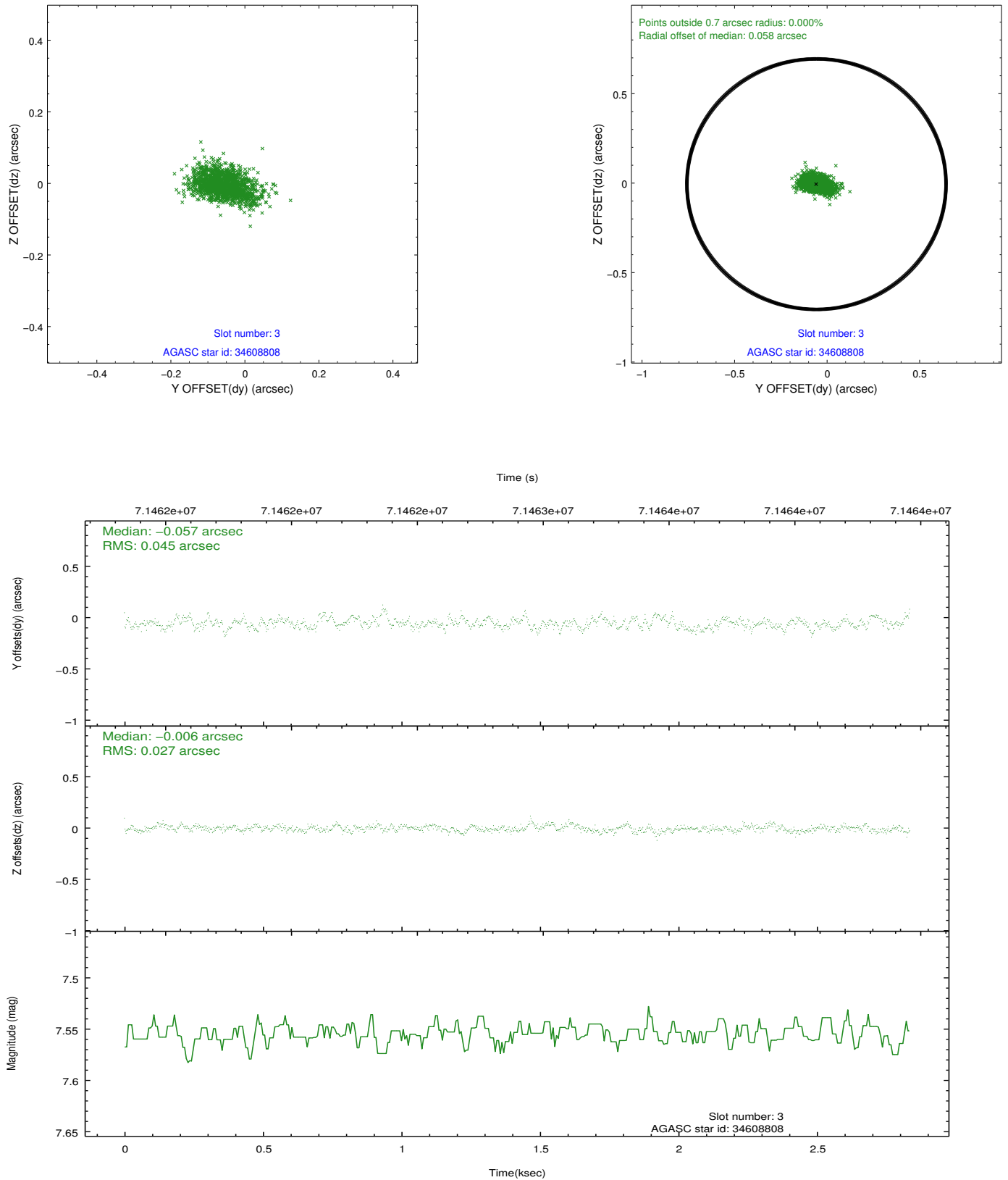


Slot Statistics

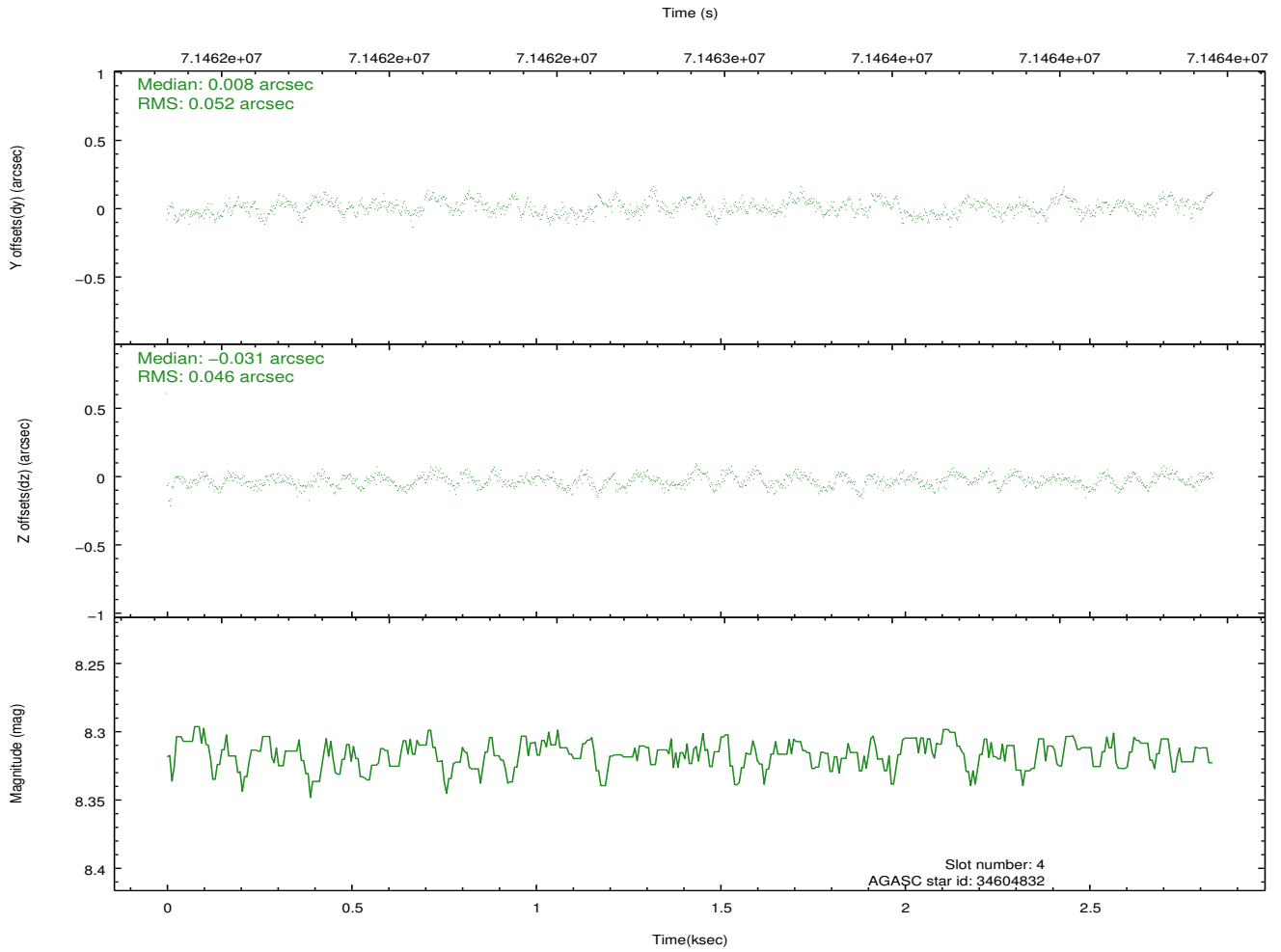
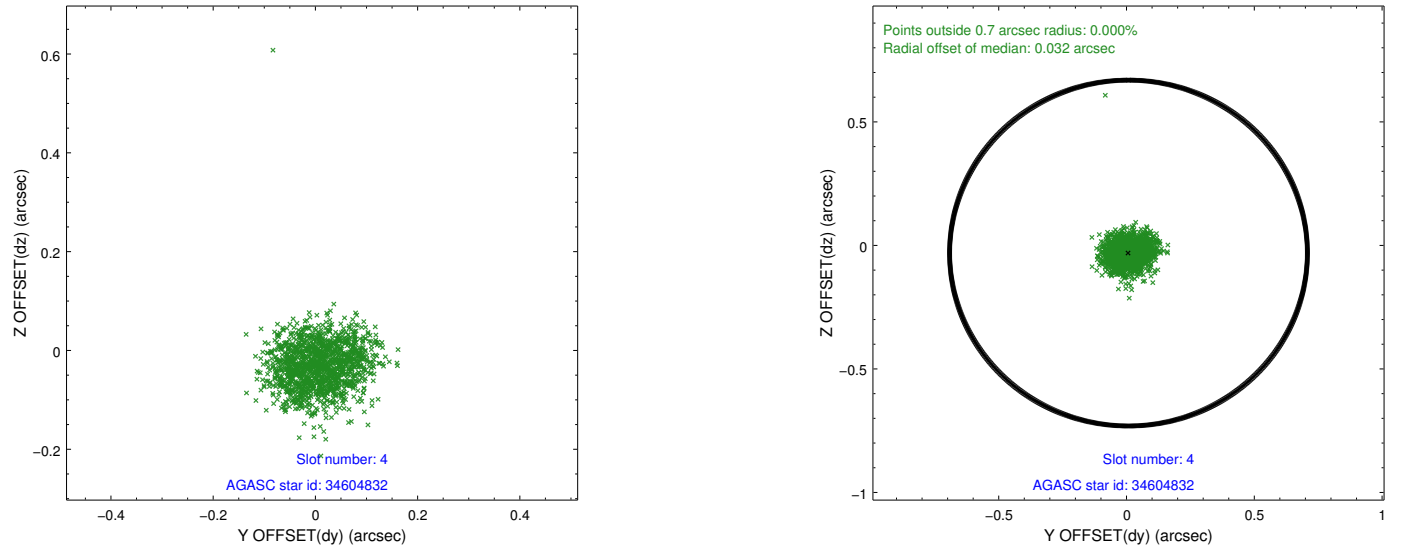
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	692	-0.030	-0.000	0.007	0.013	0.000000	0.000000	-753.49	-1726.02
1	FID	ACIS-S-4	7.21	692	0.004	0.014	0.006	0.012	0.000000	0.000000	2158.81	180.14
2	FID	ACIS-S-5	7.24	692	-0.006	-0.006	0.007	0.013	0.000000	0.000000	-1803.39	176.38
3	GUIDE	34608808	7.55	1382	-0.057	-0.006	0.054	0.095	171.187964	2.096543	-1949.59	711.84
4	GUIDE	34604832	8.32	1384	0.008	-0.031	0.074	0.112	171.211441	1.245888	919.61	1782.55
5	GUIDE	34608488	8.75	1384	-0.106	0.044	0.063	0.106	171.107167	1.917770	-1245.97	646.20
6	GUIDE	34608640	8.88	1384	0.062	0.012	0.093	0.156	171.454140	1.872320	-1496.35	1879.62
7	GUIDE	34608024	9.72	1383	0.098	-0.018	0.085	0.142	170.685165	2.007396	-1062.08	-894.91

2.4 Star Slots

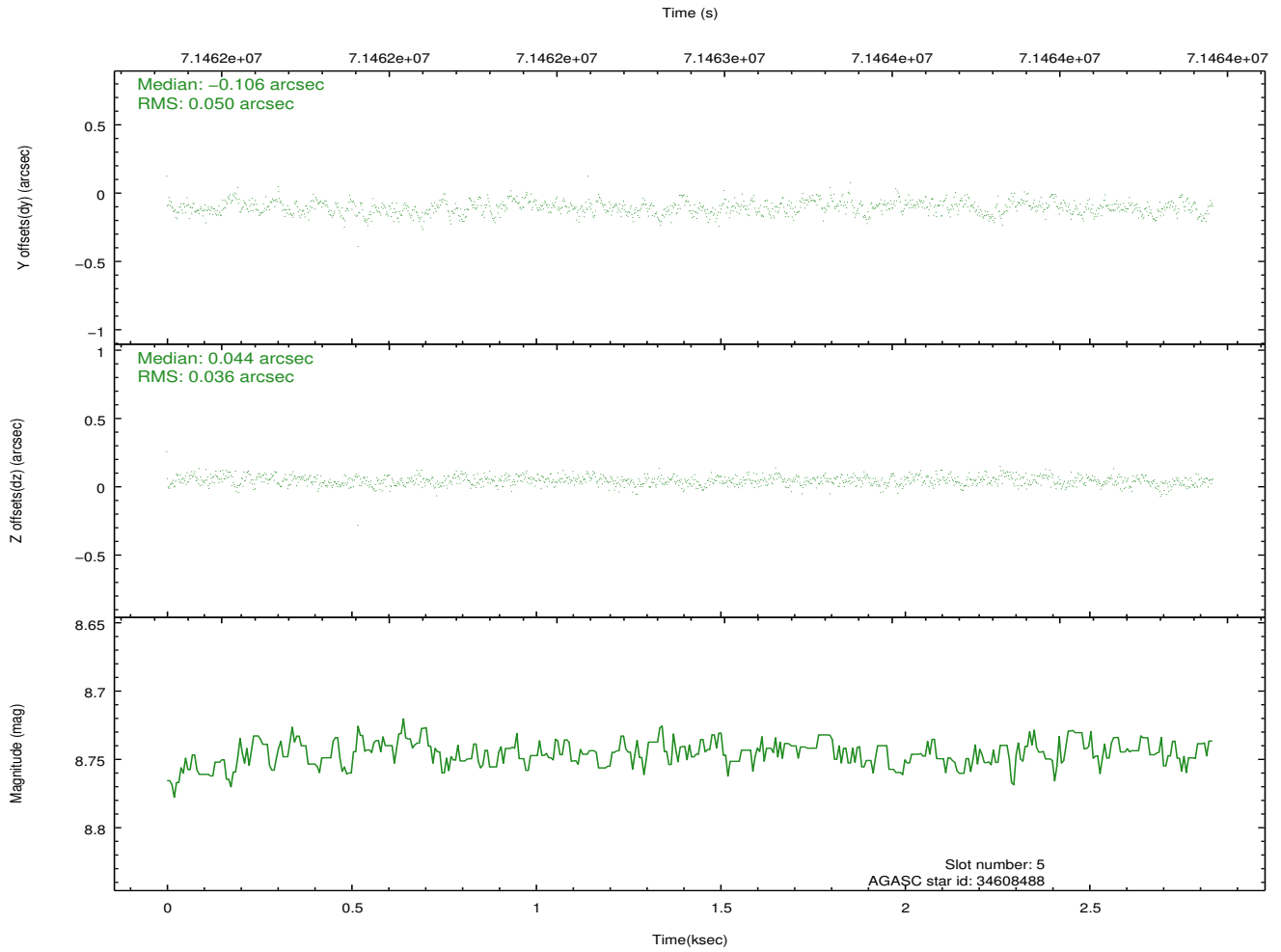
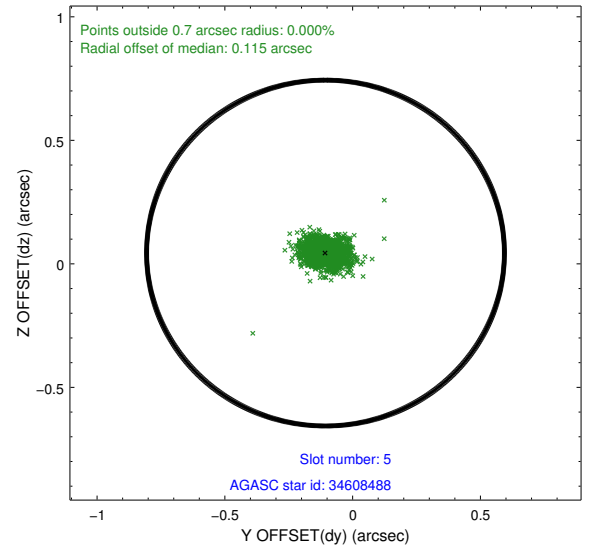
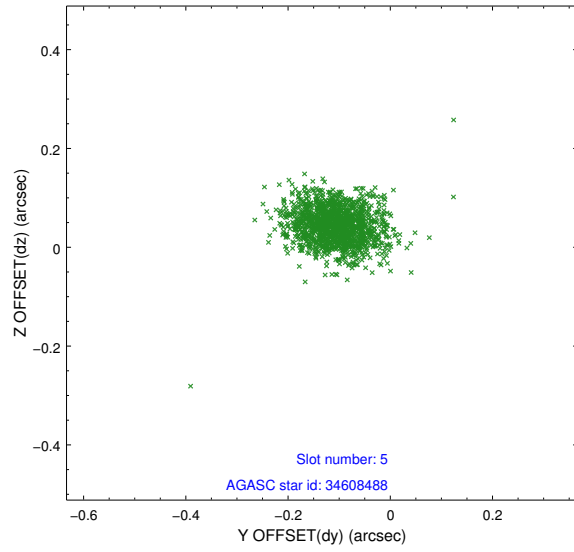
2.4.1 Slot 3



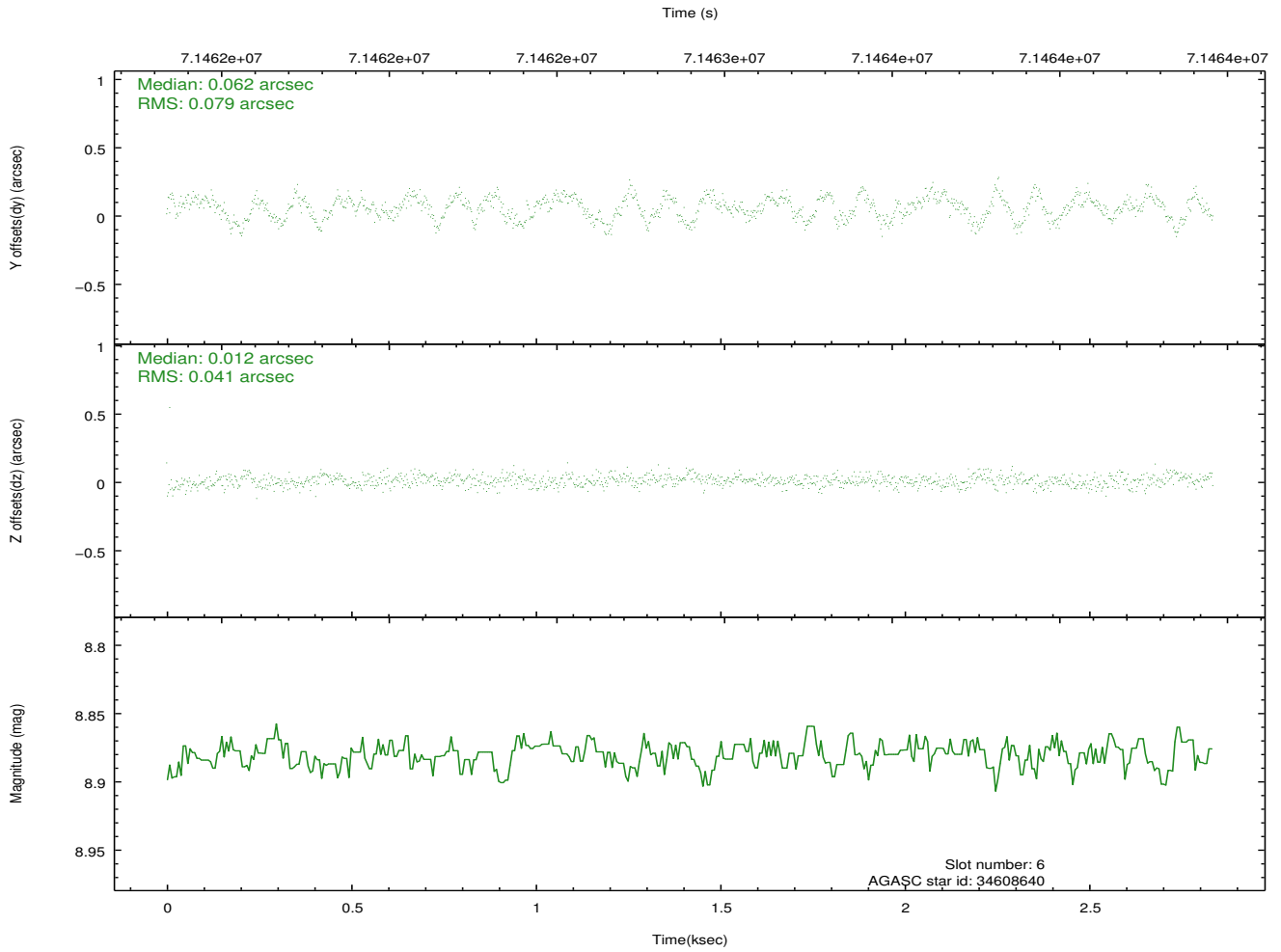
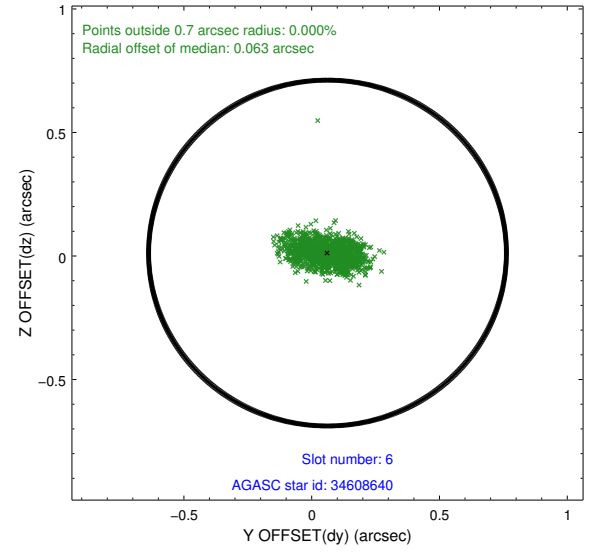
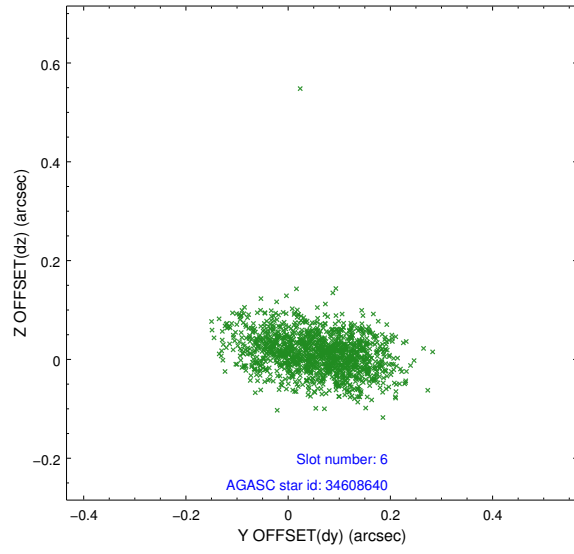
2.4.2 Slot 4



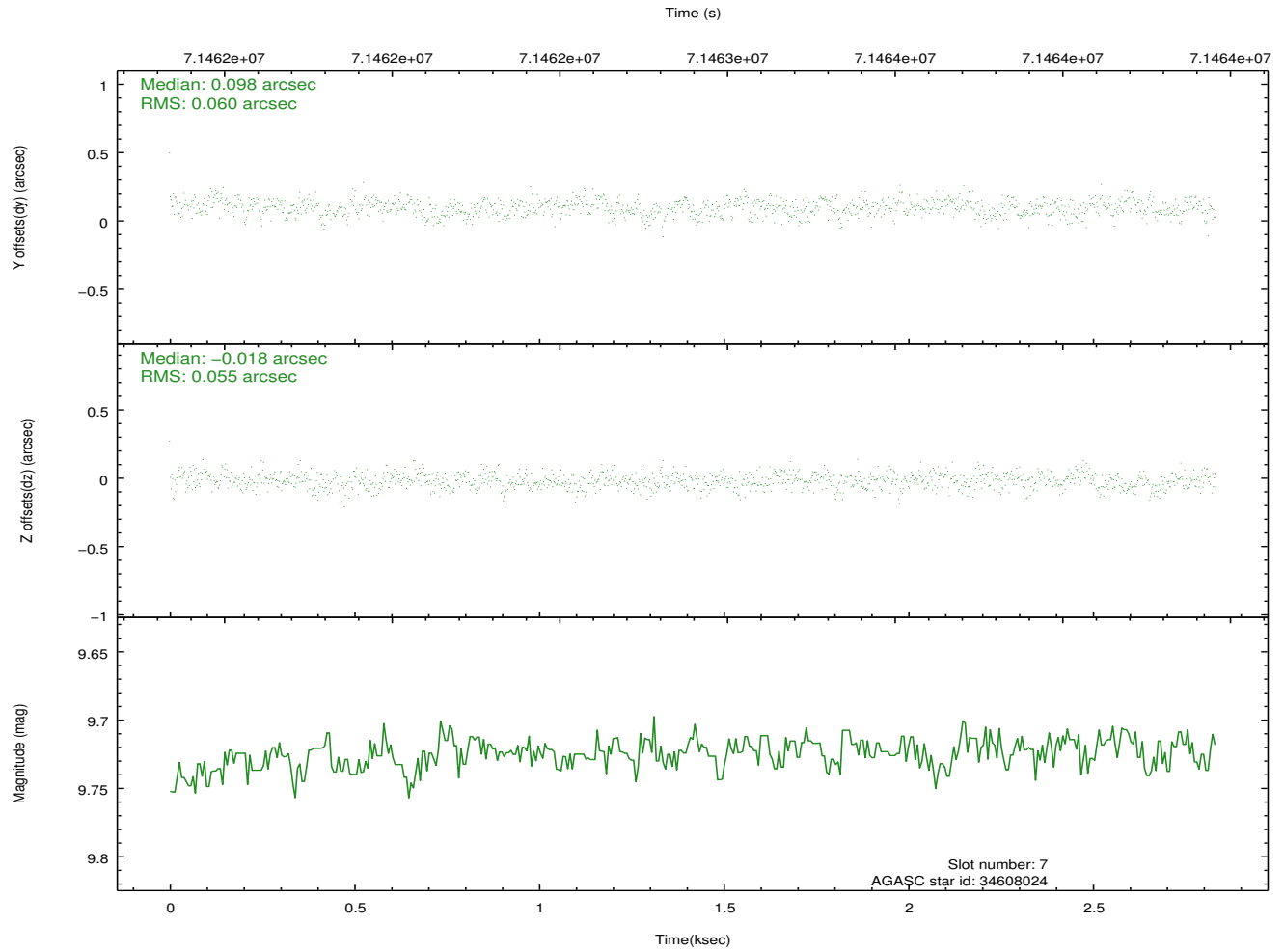
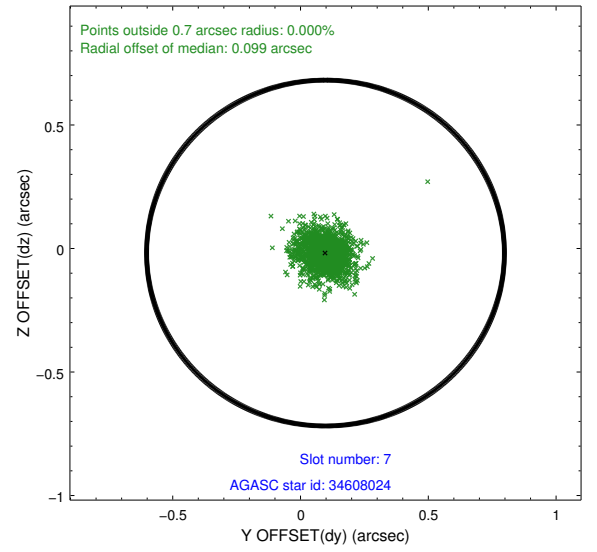
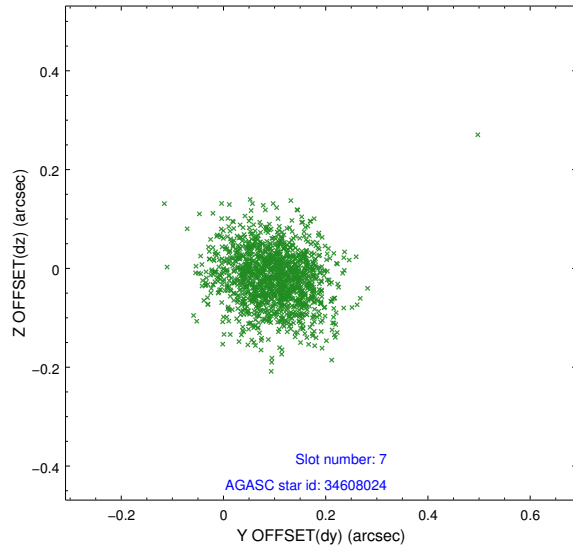
2.4.3 Slot 5



2.4.4 Slot 6

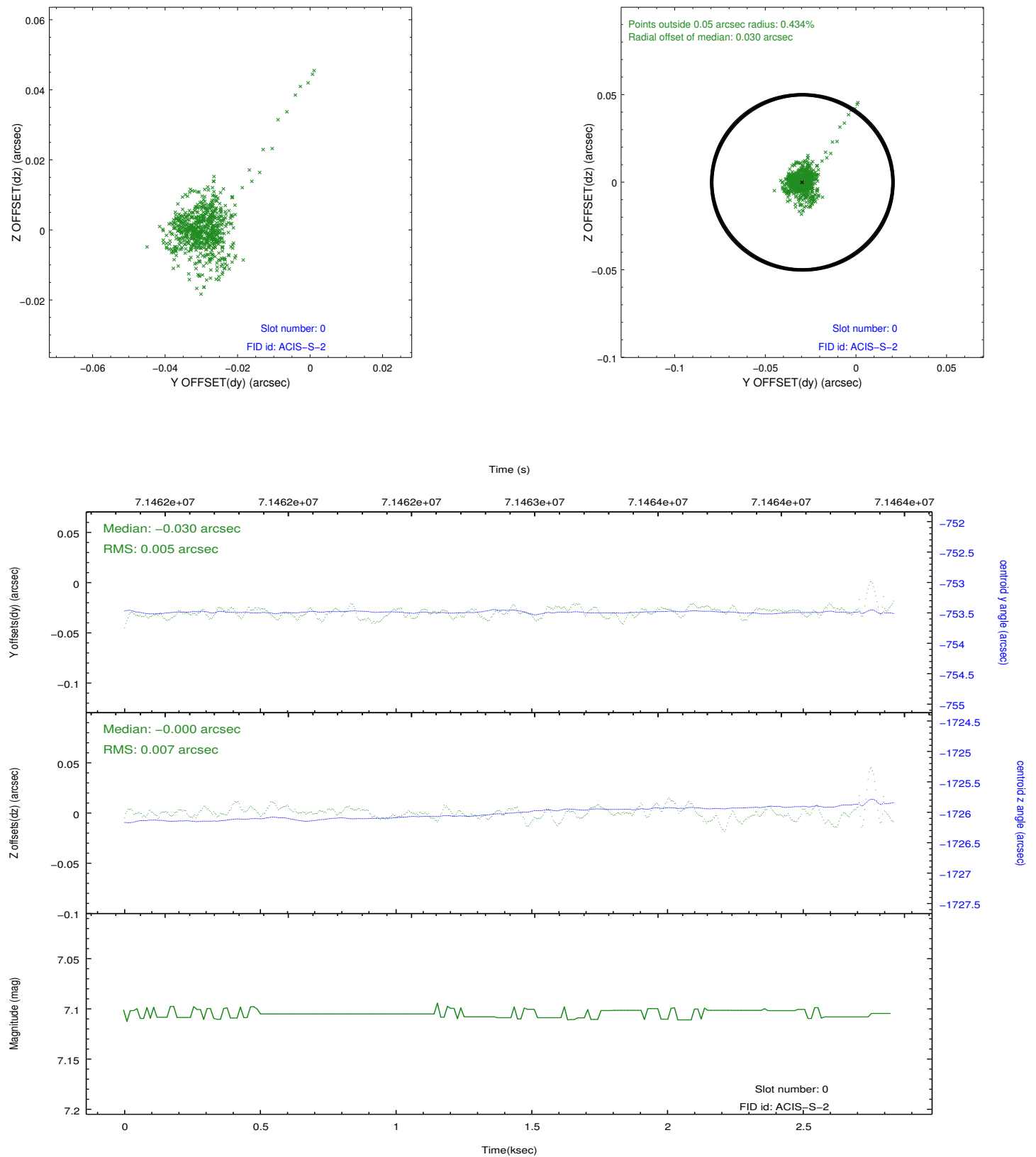


2.4.5 Slot 7

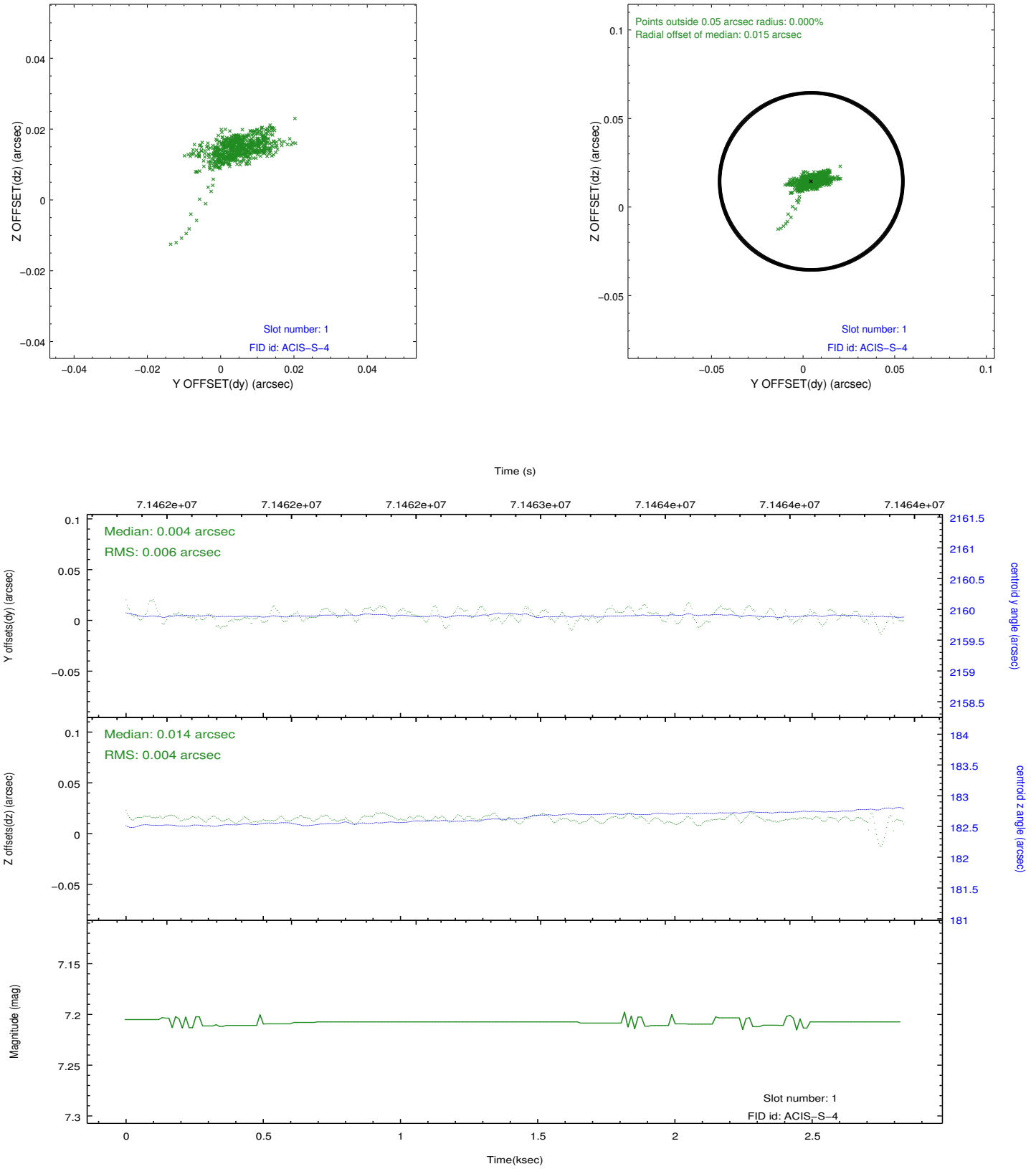


2.5 FID Slots

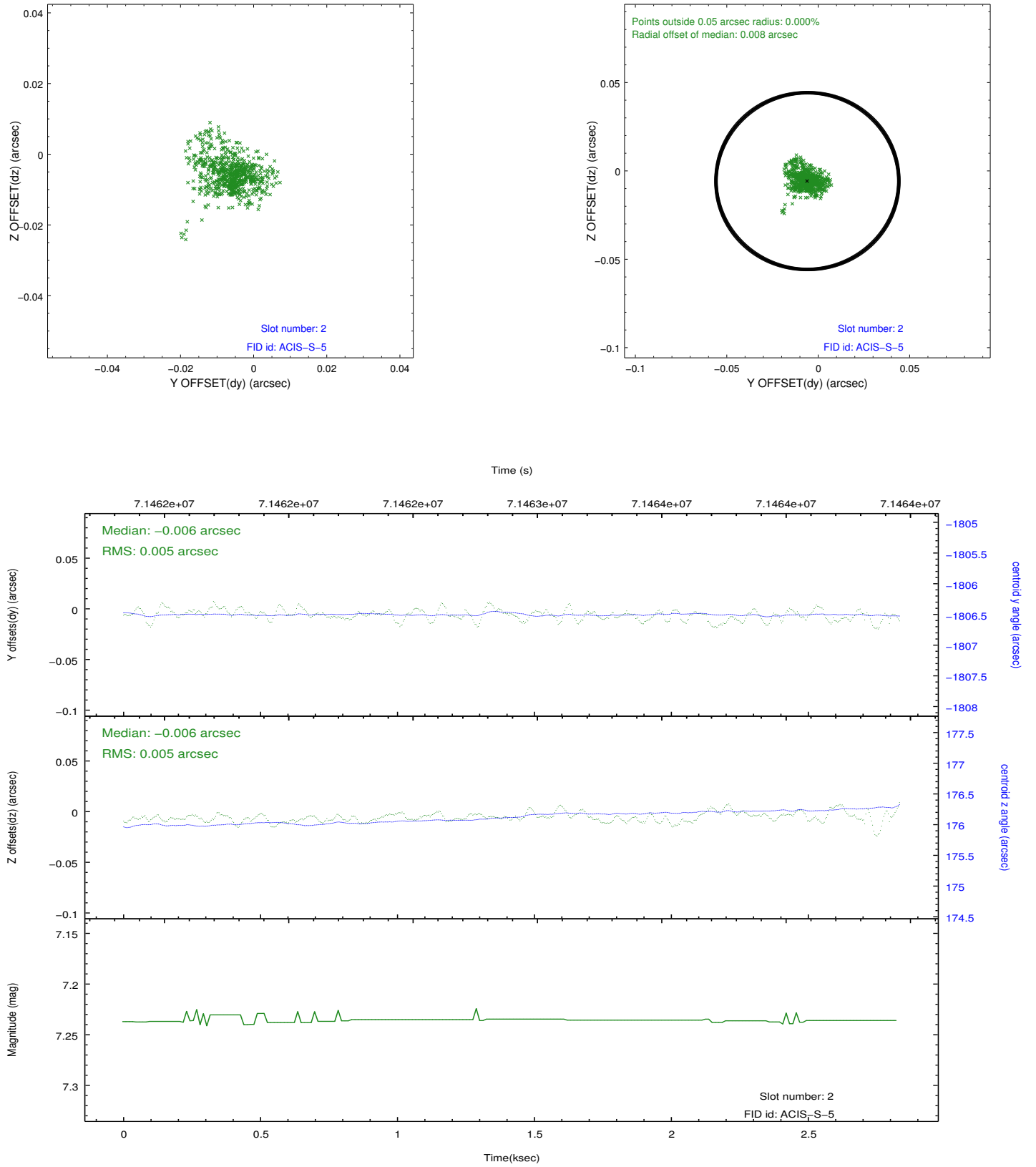
2.5.1 Slot 0



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)	2012.08.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.678

A.2 Comments