

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3308 - L2 Version 3
Chandra X-Ray Center

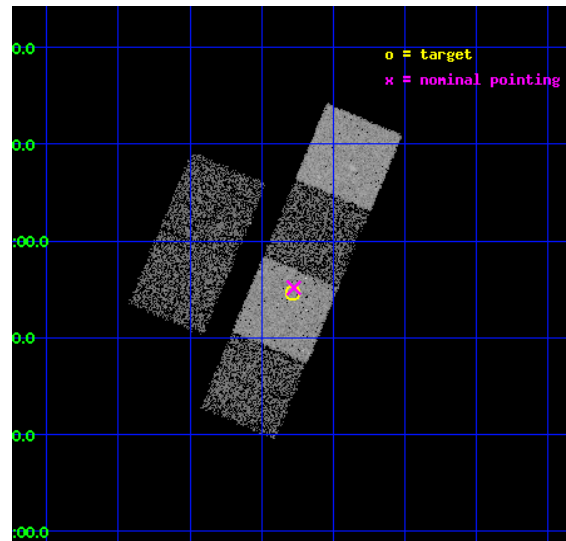
L2 Processing Date : Oct 11 2012

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1 Front

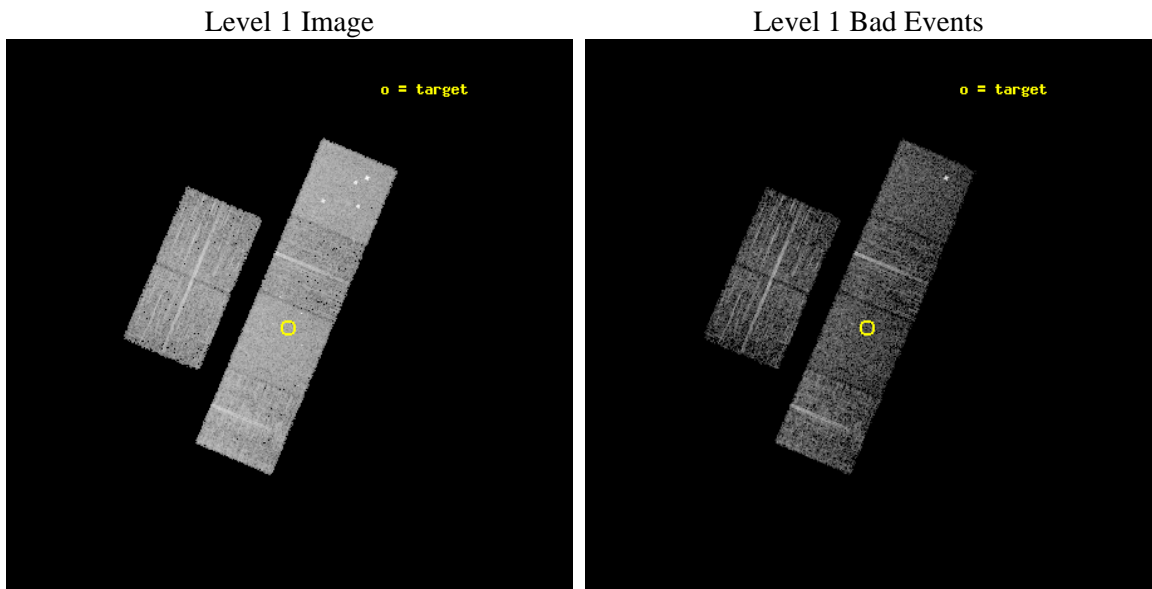
seq_num	900147	Sequence number
obs_id	3308	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J0043.7+0054	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.945833	Observer's specified target RA [deg]
dec_targ	0.91	Observer's specified target Dec [deg]
ra_nom	10.943772066326	Nominal RA [deg]
dec_nom	0.91942518871179	Nominal Dec [deg]
roll_nom	112.80903405174	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4662.3999826312	Sum of GTIs [s]
livetime	4603.3618666909	Livetime [s]
ontime2	4662.3999826312	Sum of GTIs [s]
ontime3	4662.3999826312	Sum of GTIs [s]
ontime5	4662.3999826312	Sum of GTIs [s]
ontime6	4662.3999826312	Sum of GTIs [s]
ontime7	4662.3999826312	Sum of GTIs [s]
ontime8	4662.3999826312	Sum of GTIs [s]
l2events	50333	Number of level 2 events



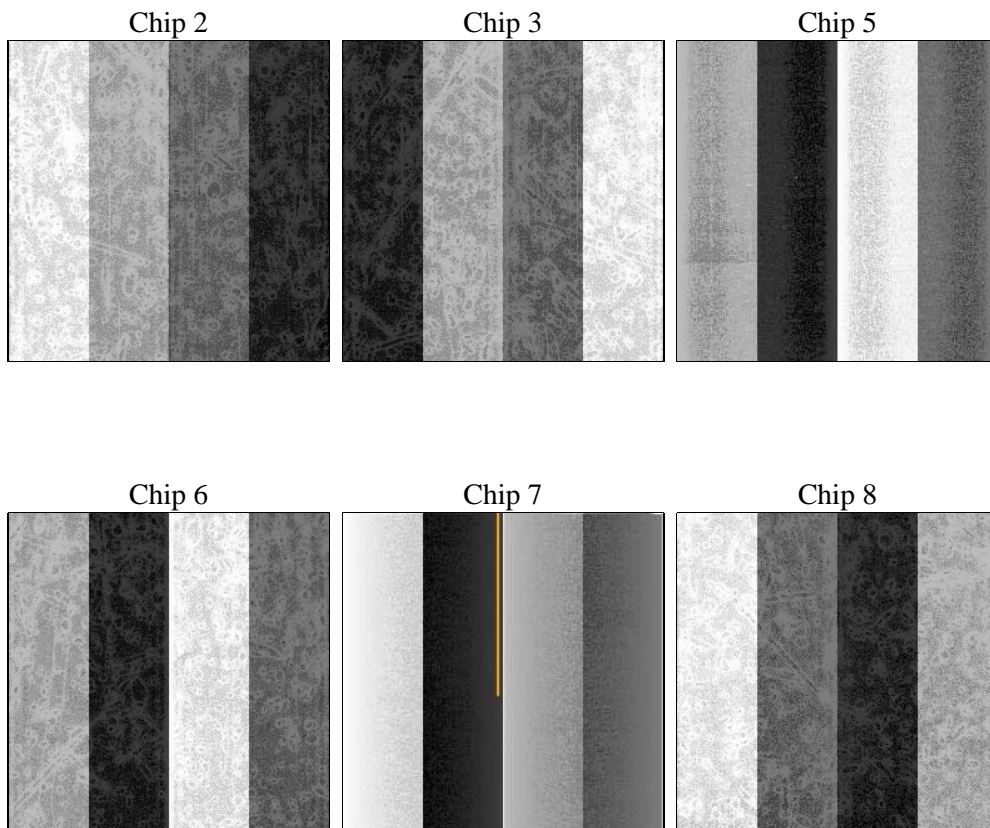
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4662.3999826312	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4662.3999826312	Sum of GTIs [s]
date	2012-10-11T12:23:40	Date and time of file creation	ontime3	4662.3999826312	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4662.3999826312	Sum of GTIs [s]
			ontime6	4662.3999826312	Sum of GTIs [s]
			ontime7	4662.3999826312	Sum of GTIs [s]
			ontime8	4662.3999826312	Sum of GTIs [s]
			l1events	225237	Number of level 1 events

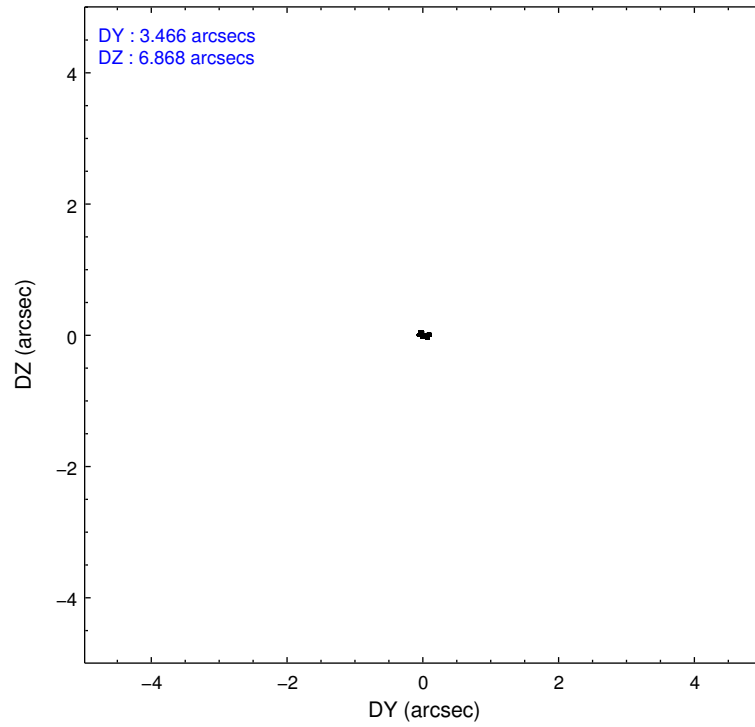
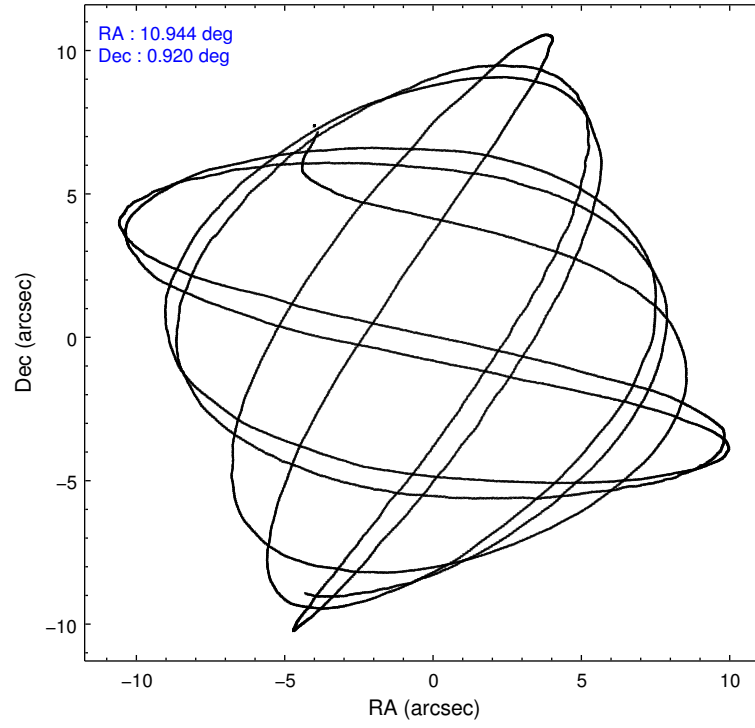
2.1.4 Events

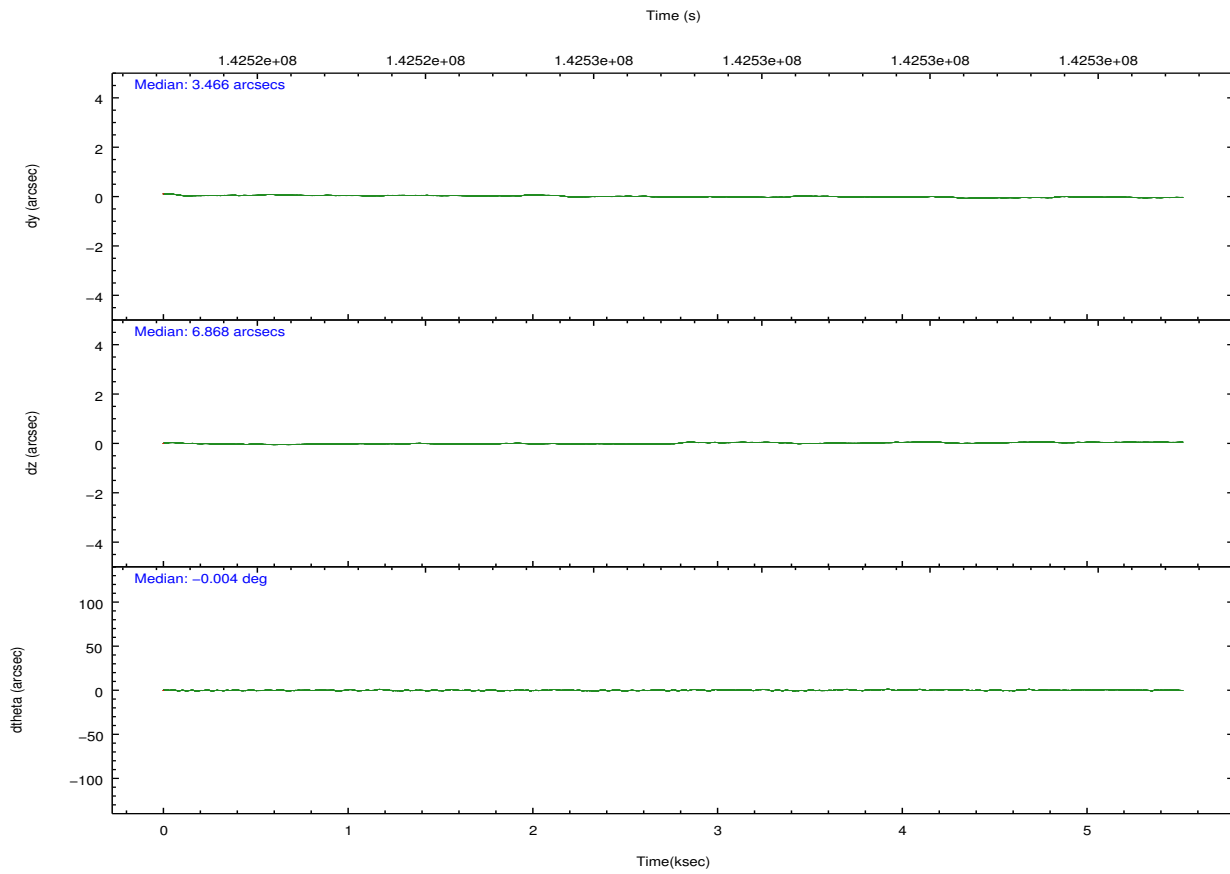
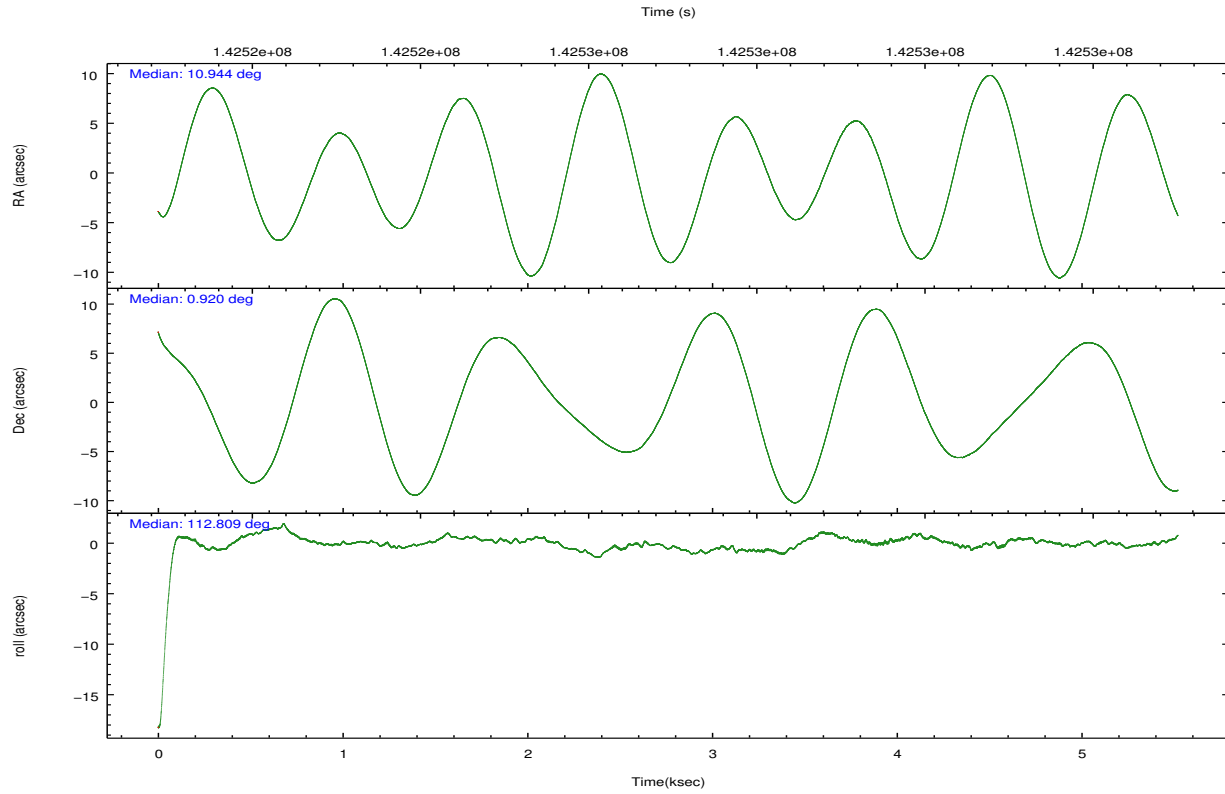
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33164	30893	47362	30825	41002	41991	grade 0 events	1721	1590	3758	1753	1809	3001
rejected events	29207	27117	24751	26728	23635	32498		5%	5%	7%	5%	4%	7%
rejected %	88%	87%	52%	86%	57%	77%	grade 1 events	21	17	65	13	36	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	856	833	6576	801	3346	1999
								2%	2%	13%	2%	8%	4%
							grade 3 events	364	329	822	383	1583	1090
								1%	1%	1%	1%	3%	2%
							grade 4 events	342	358	838	376	1496	961
								1%	1%	1%	1%	3%	2%
							grade 5 events	1081	1238	3488	1339	3848	1704
								3%	4%	7%	4%	9%	4%
							grade 6 events	677	668	10629	787	9143	2450
								2%	2%	22%	2%	22%	5%
							grade 7 events	28102	25860	21186	25373	19741	30759
								84%	83%	44%	82%	48%	73%

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	10.965622	10.943772066326	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.903270	0.9194251887117875	Alternating exposures requested	N	N
[deg] Pointing Roll	112.652094	112.8090340517399	[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)	142524531.184000	142523260.63581			
Observation start date	2002-07-08T14:07:47	2002-07-08T13:47:40			
[s] Observation end time (MET)	142529231.184000	142529781.17358			
Observation end date	2002-07-08T15:26:07	2002-07-08T15:36:21			
Read mode	TIMED	TIMED			

2.3 Aspect



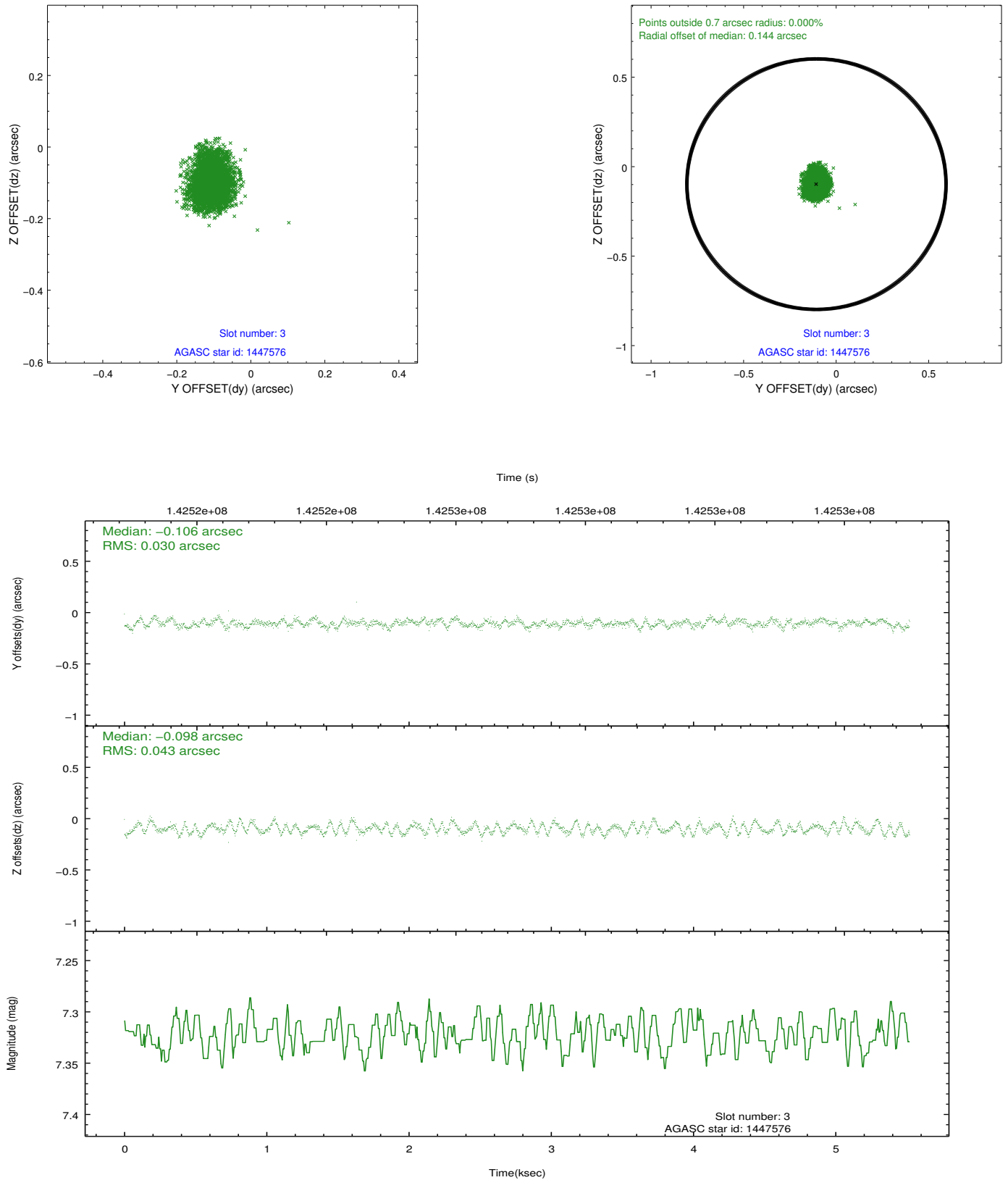


Slot Statistics

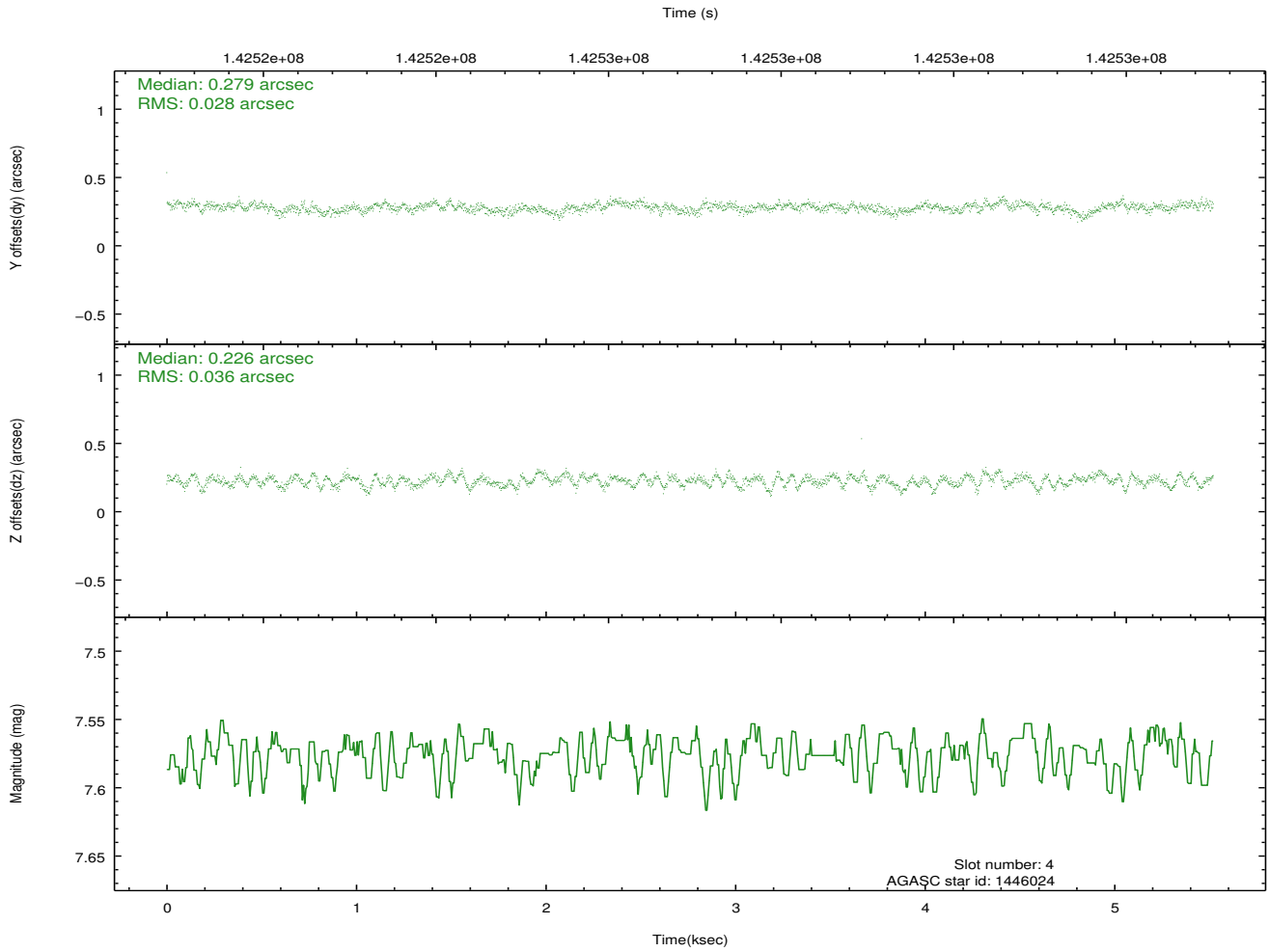
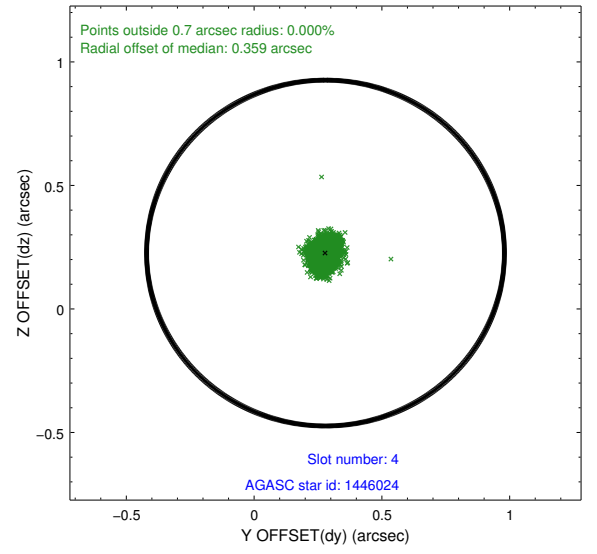
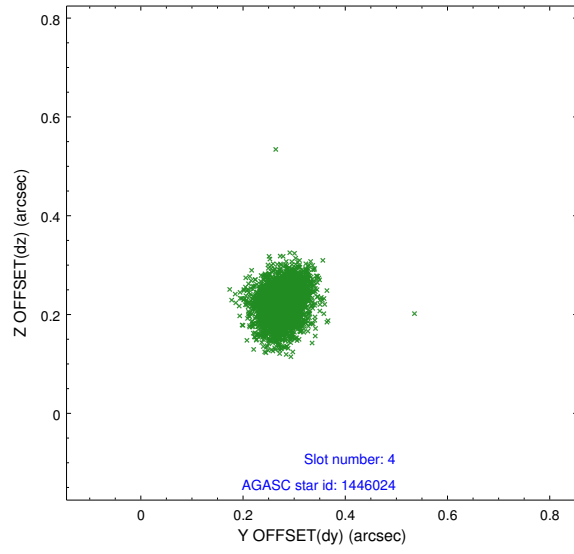
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1347	-0.021	0.004	0.007	0.011	0.000000	0.000000	-756.14	-1727.98
1	FID	ACIS-S-4	7.20	1347	0.012	0.009	0.005	0.010	0.000000	0.000000	2156.67	179.40
2	FID	ACIS-S-5	7.24	1347	-0.022	-0.005	0.006	0.011	0.000000	0.000000	-1807.59	174.27
3	GUIDE	1447576	7.32	2693	-0.106	-0.098	0.056	0.087	10.509485	1.023642	1031.62	1348.14
4	GUIDE	1446024	7.58	2693	0.279	0.226	0.049	0.079	11.477410	0.579409	-1785.39	-1250.81
5	GUIDE	1451184	7.79	2693	-0.063	-0.020	0.045	0.074	10.528007	1.063449	1137.56	1231.13
6	GUIDE	1447696	8.50	2694	-0.041	-0.034	0.053	0.083	10.739939	1.292792	1606.74	209.89
7	GUIDE	1449360	8.92	2692	-0.067	-0.075	0.067	0.106	10.210501	1.173717	1945.58	2133.21

2.4 Star Slots

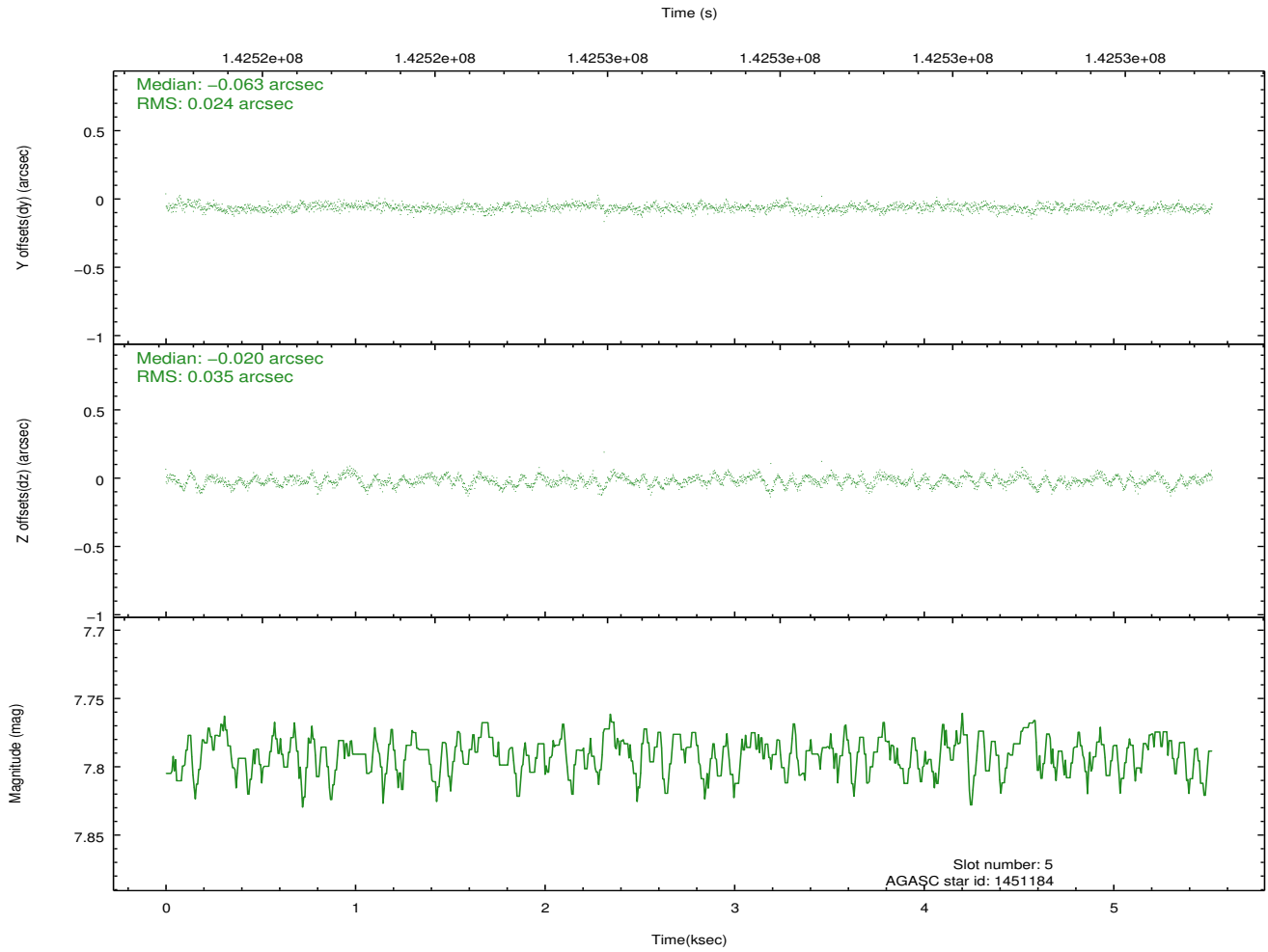
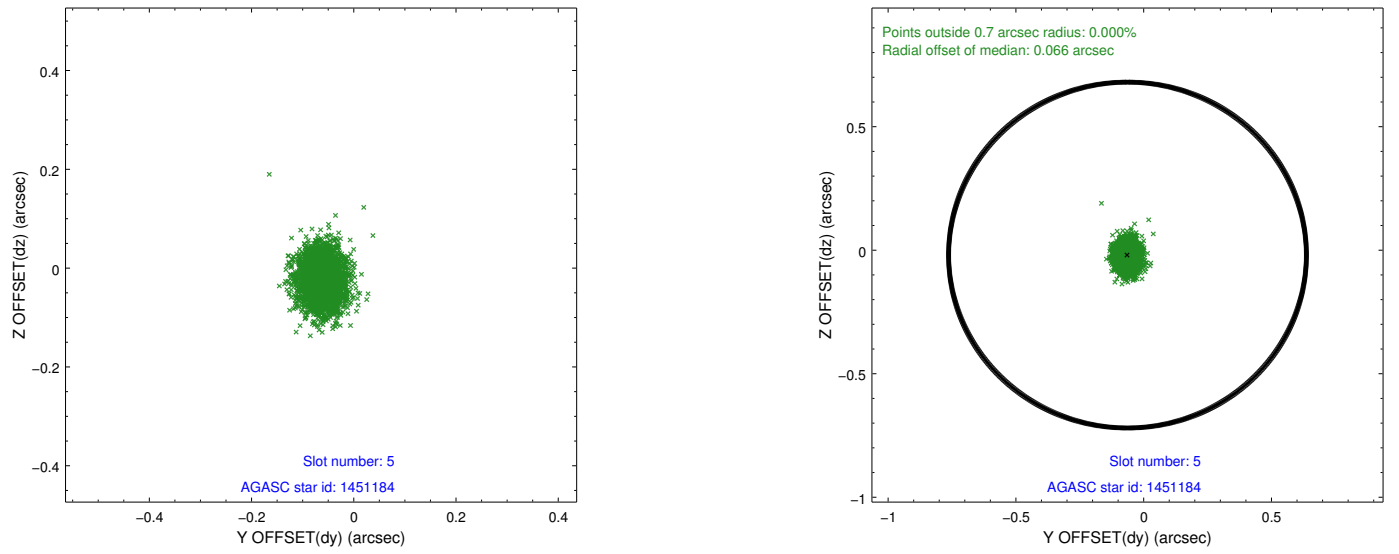
2.4.1 Slot 3



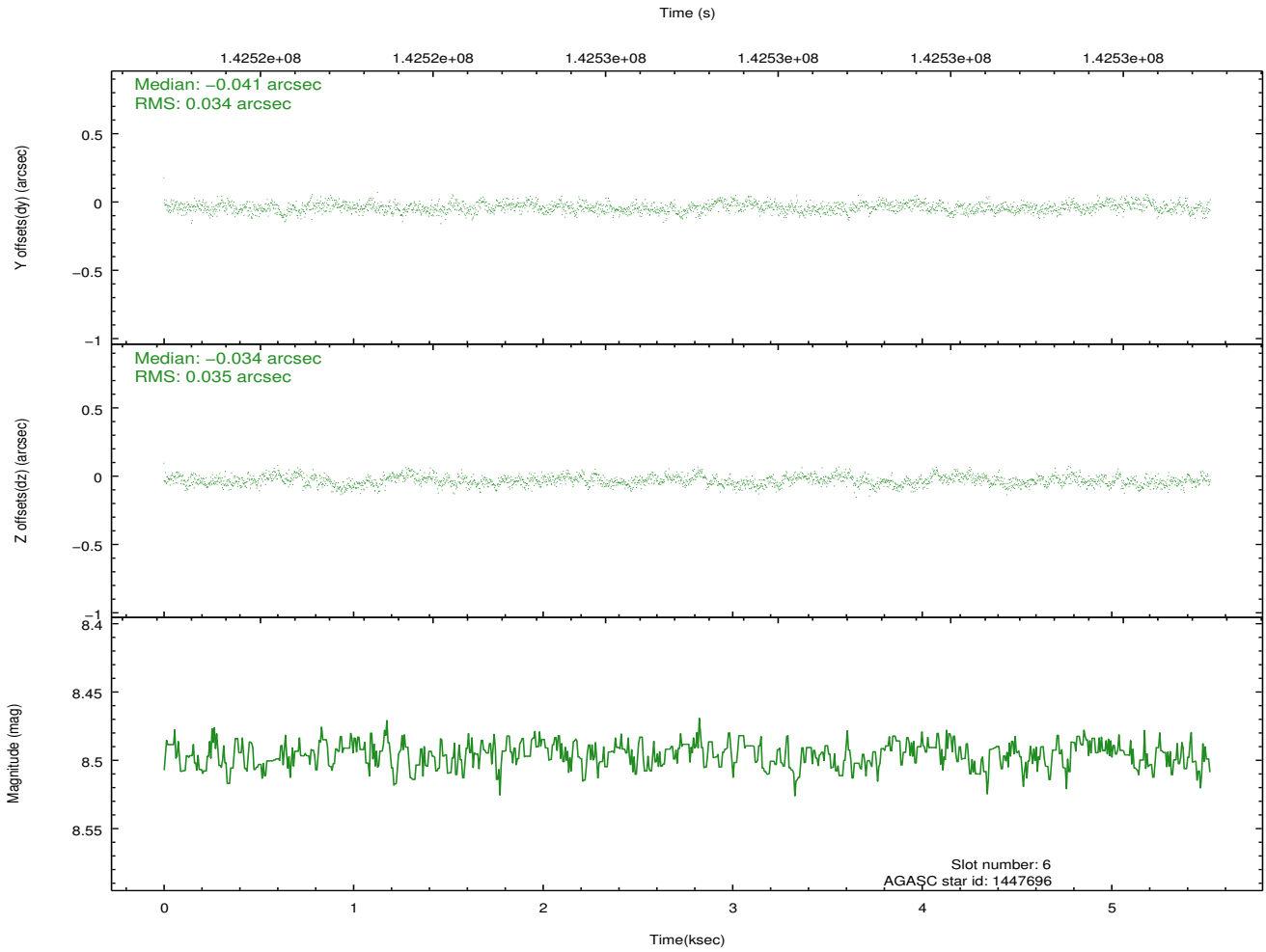
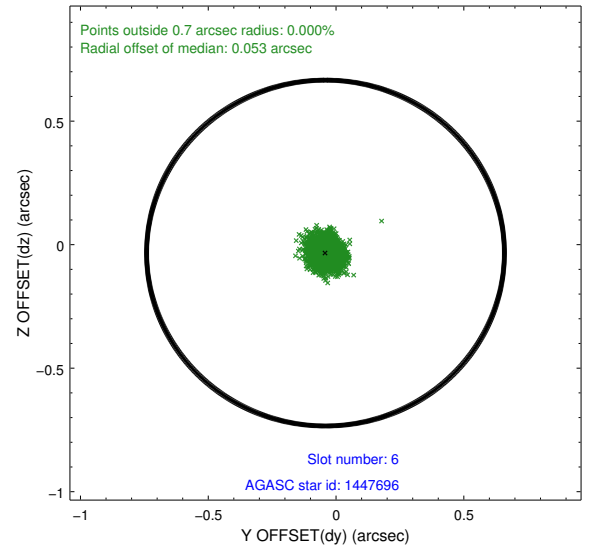
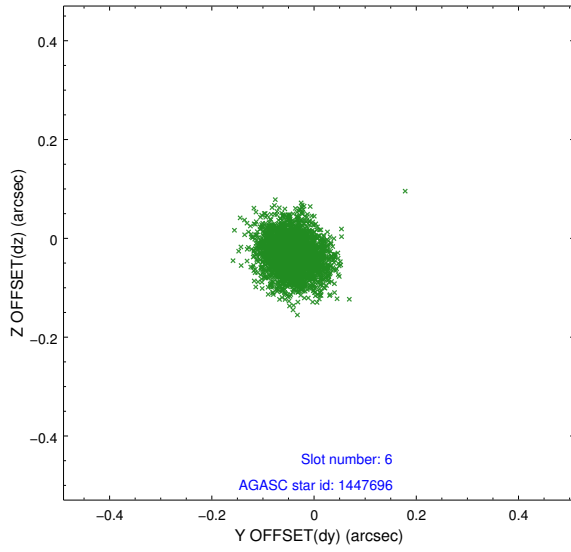
2.4.2 Slot 4



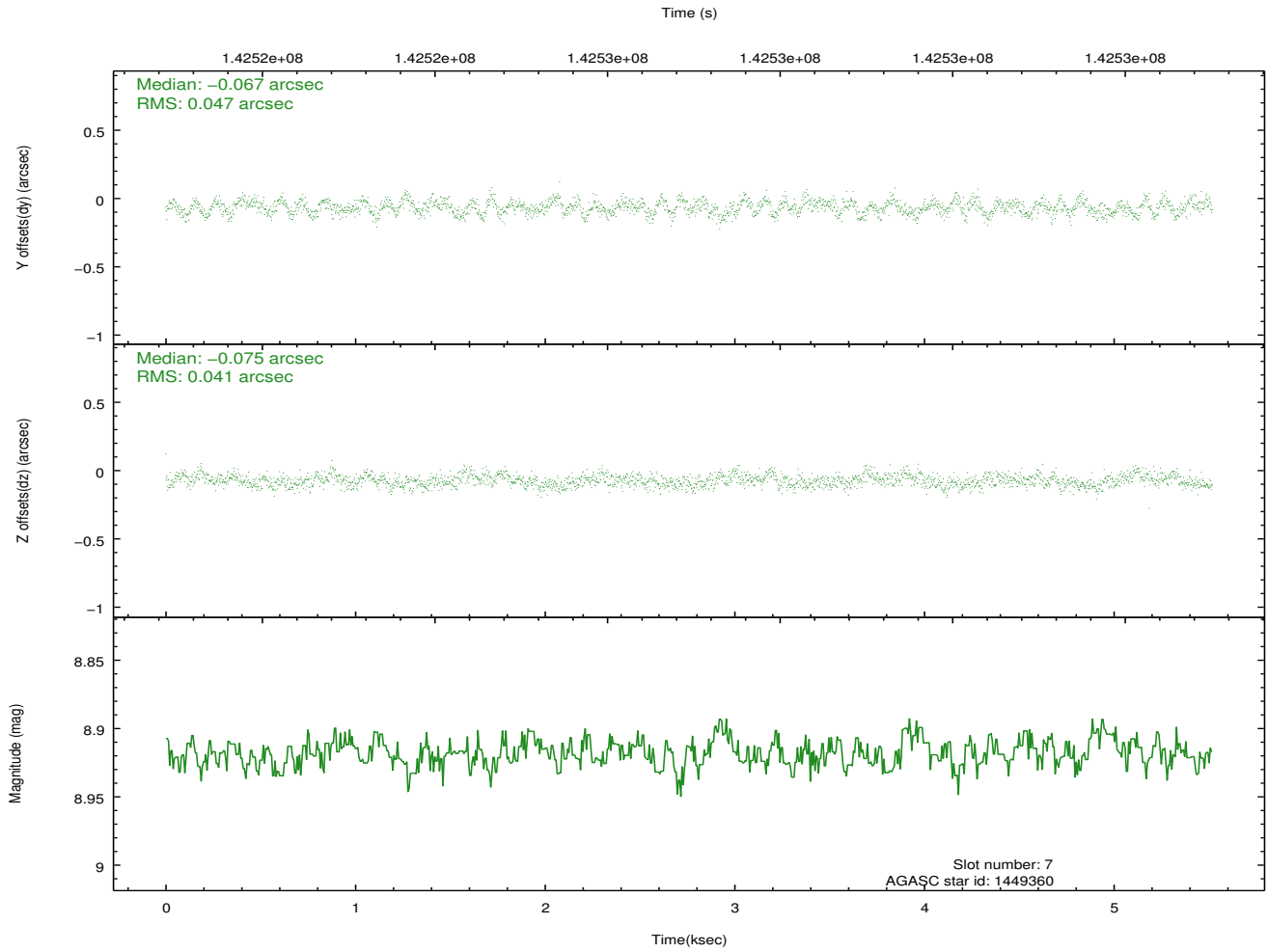
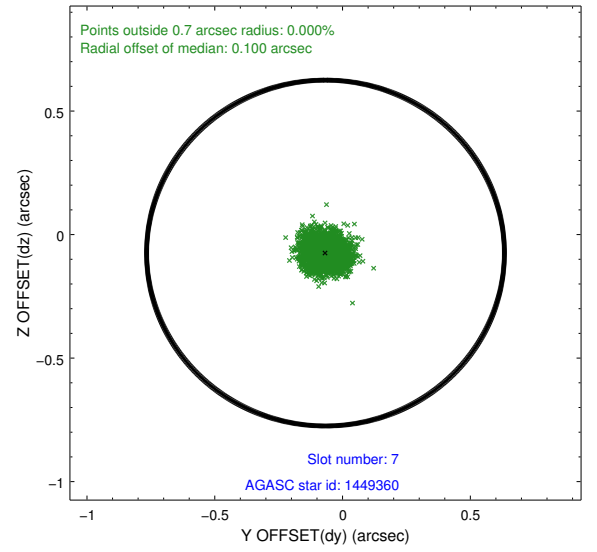
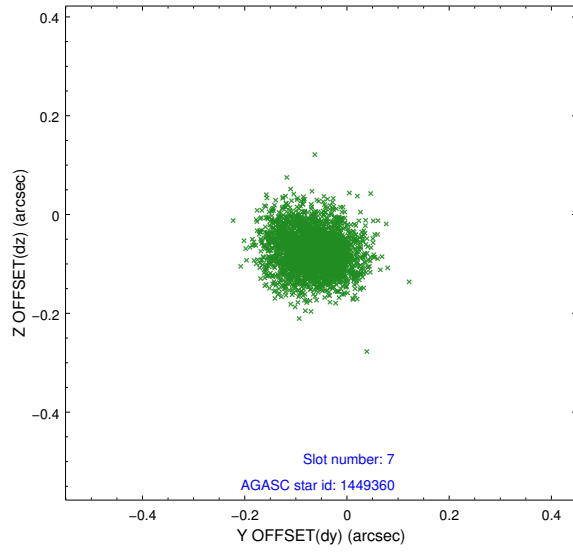
2.4.3 Slot 5



2.4.4 Slot 6

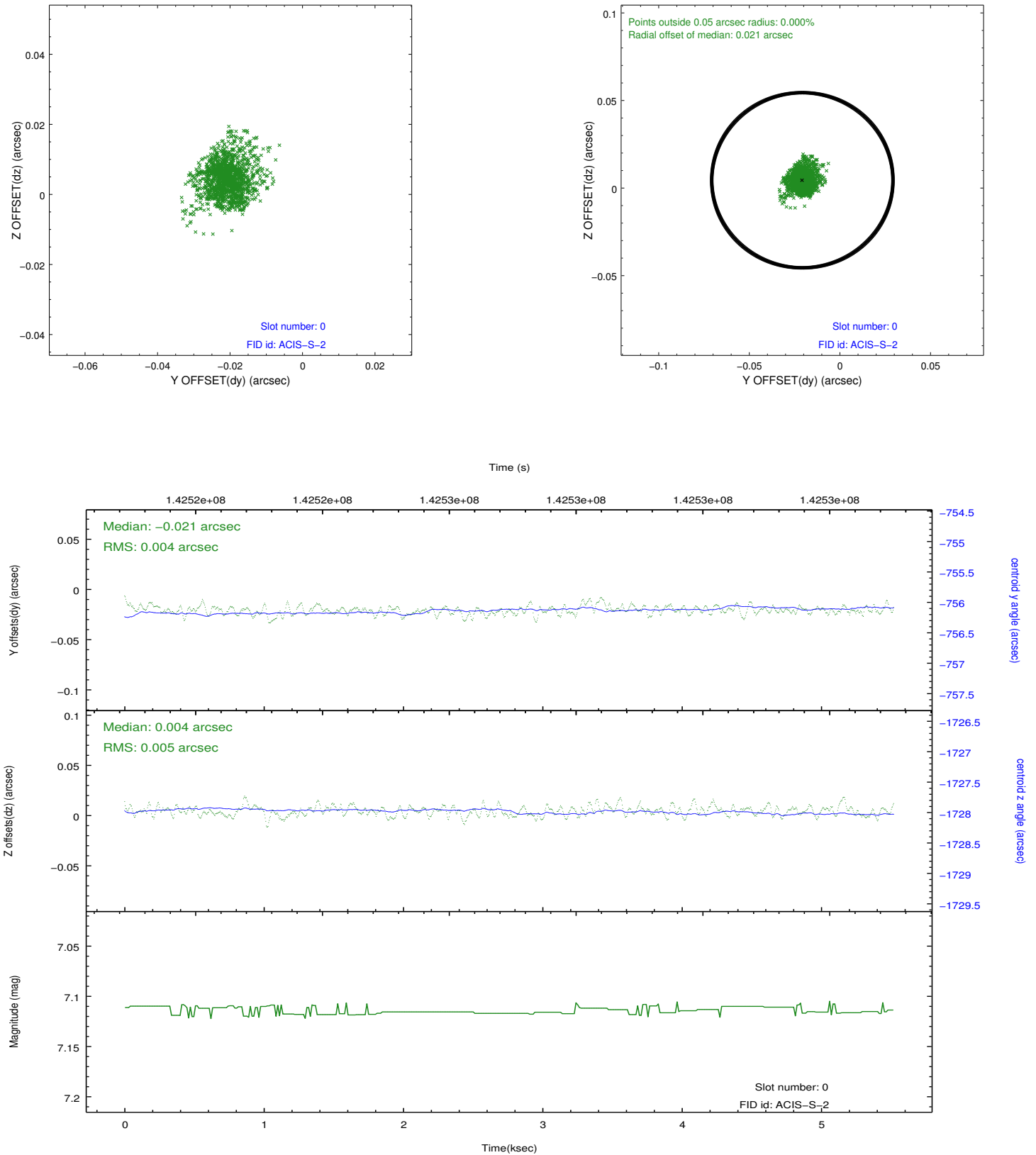


2.4.5 Slot 7

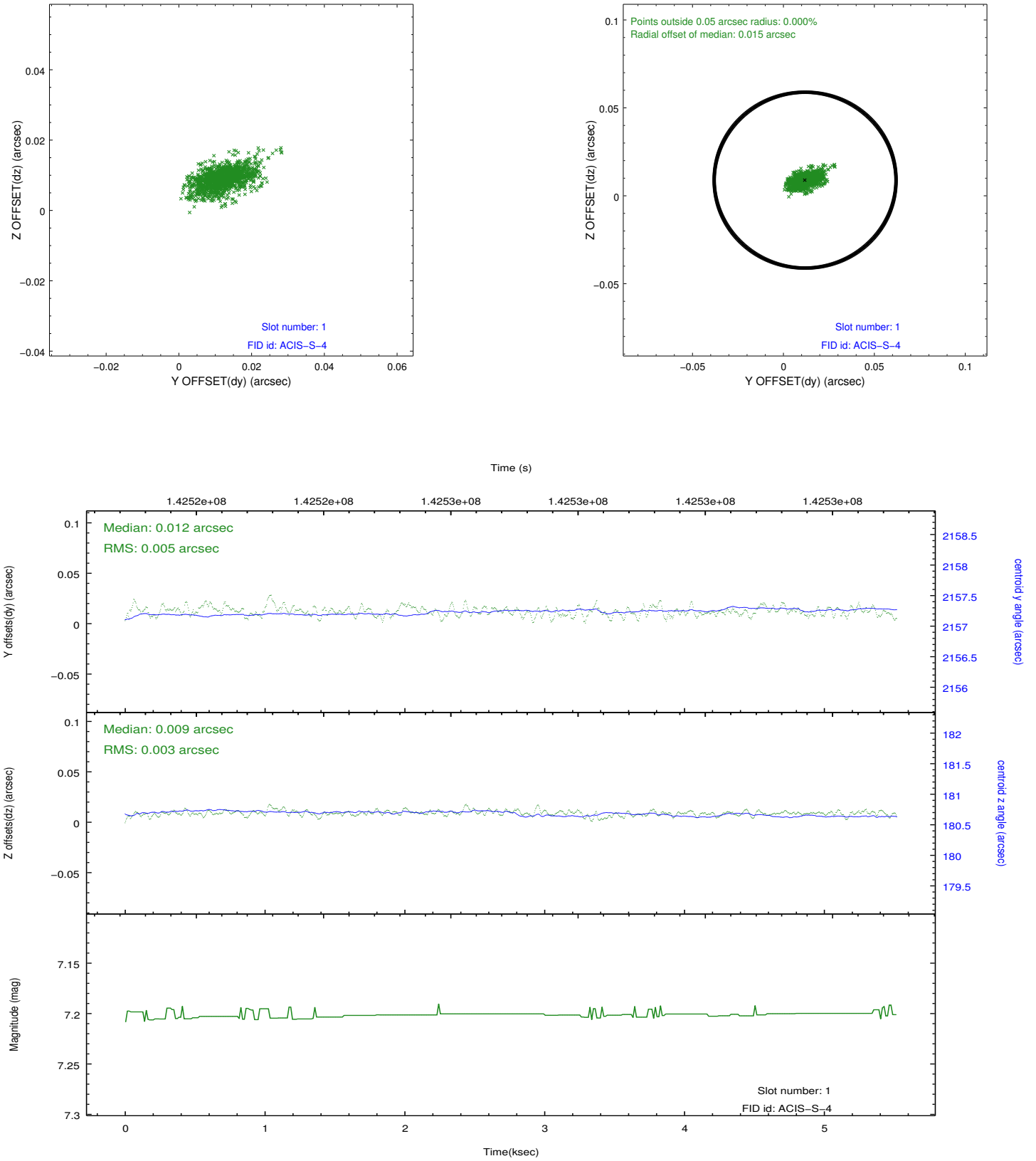


2.5 FID Slots

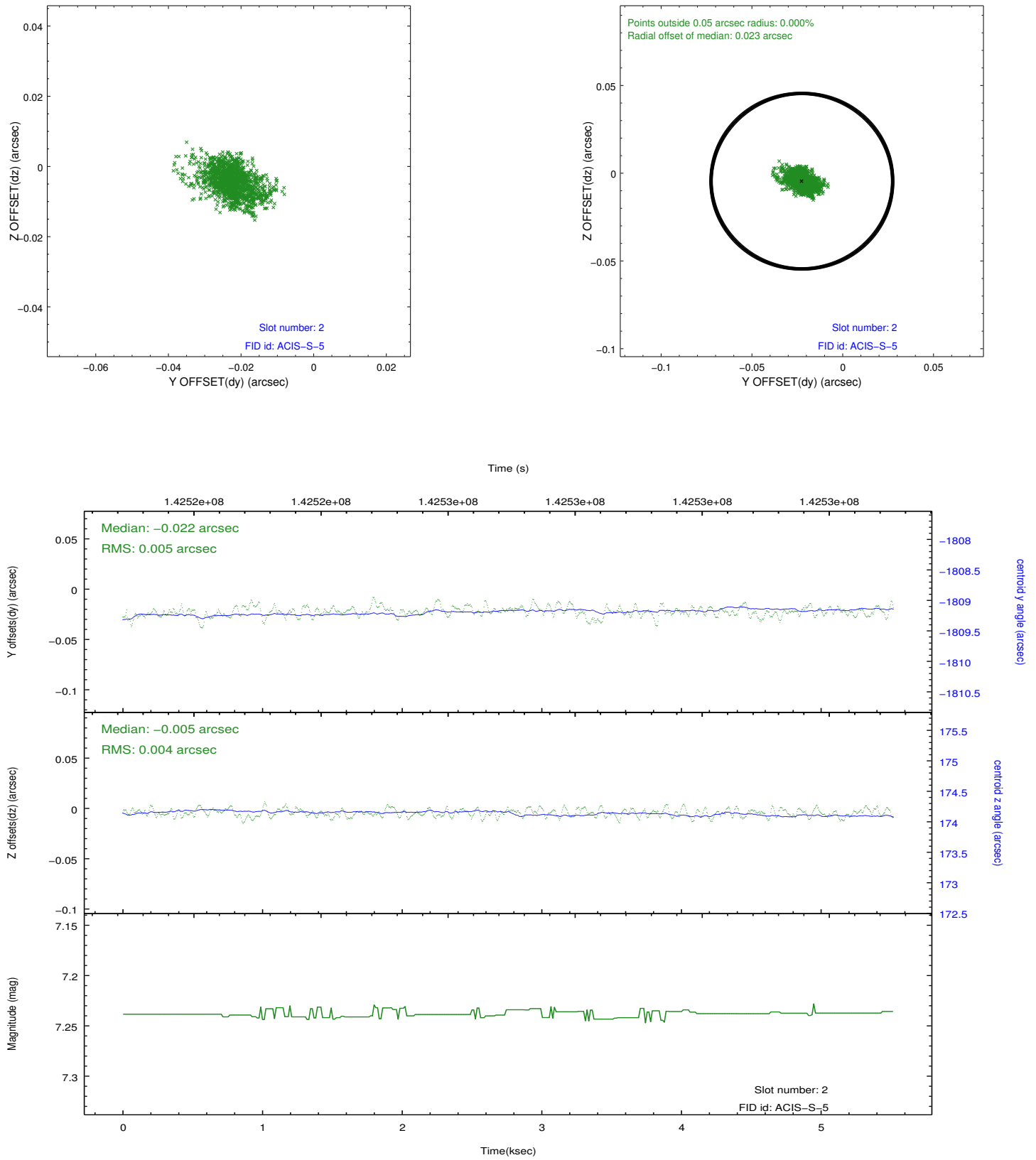
2.5.1 Slot 0



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)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.665

A.2 Comments

Joint Proposal: NOAO