

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4041 - L2 Version 3
Chandra X-Ray Center

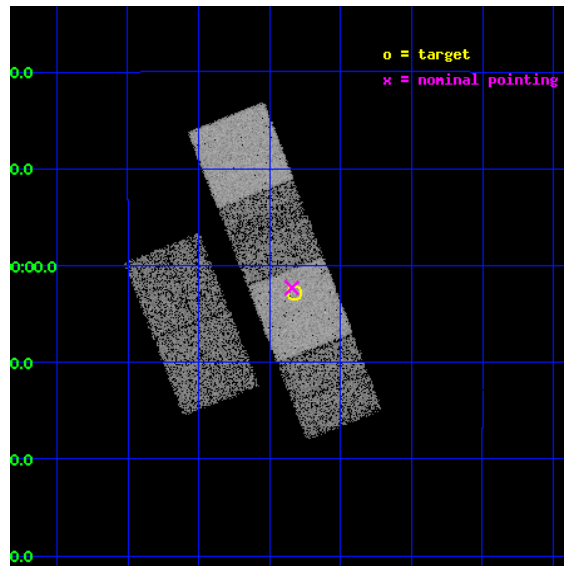
L2 Processing Date : Oct 19 2012

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1 Front

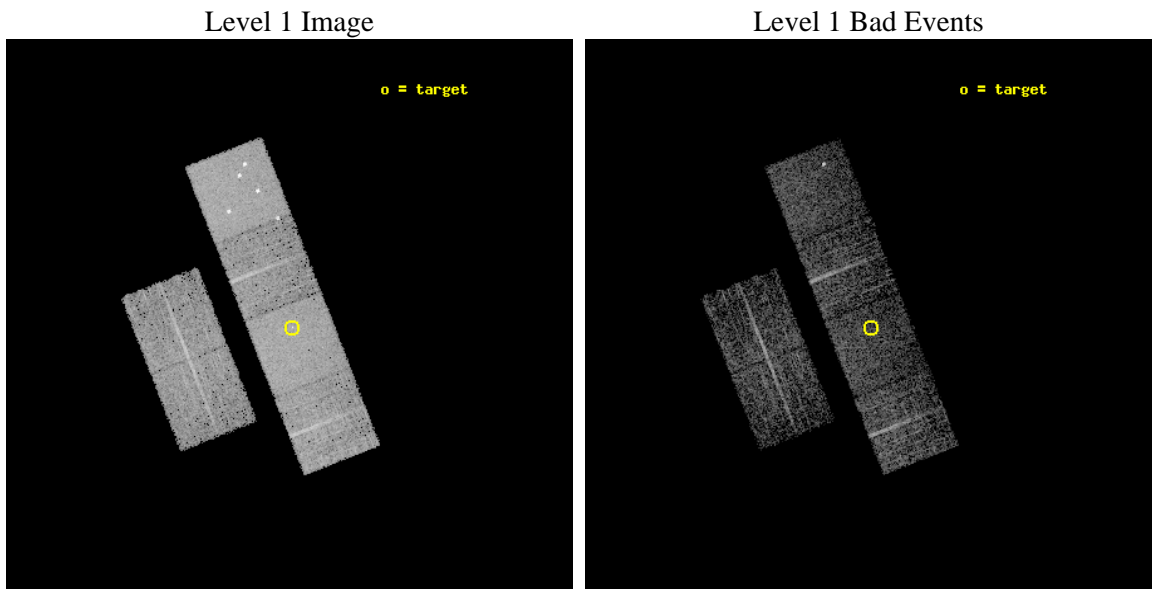
seq_num	700720	Sequence number
obs_id	4041	Observation id
title	WHY DO WE SEE BROAD LINES IN X-RAY ABSORBED AGN?	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASS124349-080248	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	190.955833	Observer's specified target RA [deg]
dec_targ	-8.046722	Observer's specified target Dec [deg]
ra_nom	190.96088953859	Nominal RA [deg]
dec_nom	-8.0385387438642	Nominal Dec [deg]
roll_nom	68.647252283902	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3782.3999859095	Sum of GTIs [s]
livetime	3734.5049598	Livetime [s]
ontime2	3782.3999859095	Sum of GTIs [s]
ontime3	3782.3999859095	Sum of GTIs [s]
ontime5	3782.3999859095	Sum of GTIs [s]
ontime6	3782.3999859095	Sum of GTIs [s]
ontime7	3782.3999859095	Sum of GTIs [s]
ontime8	3782.3999859095	Sum of GTIs [s]
l2events	65725	Number of level 2 events



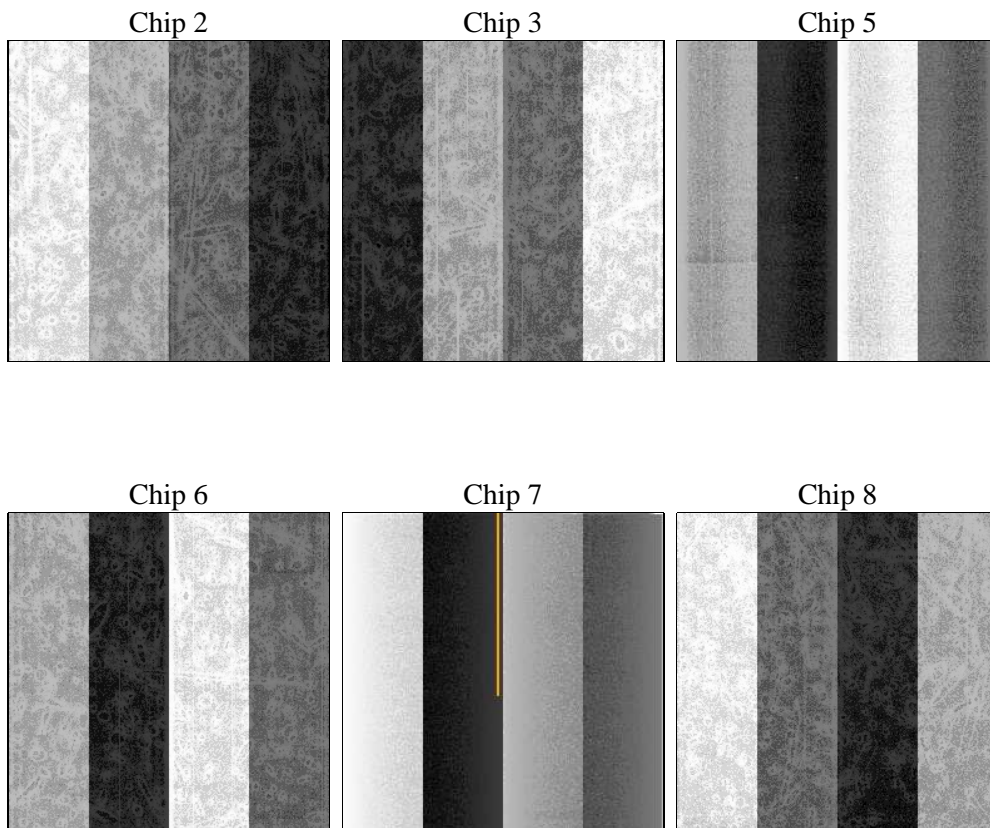
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3822.861000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3782.3999859095	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	3782.3999859095	Sum of GTIs [s]
date	2012-10-19T04:52:43	Date and time of file creation	ontime3	3782.3999859095	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3782.3999859095	Sum of GTIs [s]
			ontime6	3782.3999859095	Sum of GTIs [s]
			ontime7	3782.3999859095	Sum of GTIs [s]
			ontime8	3782.3999859095	Sum of GTIs [s]
			l1events	198357	Number of level 1 events

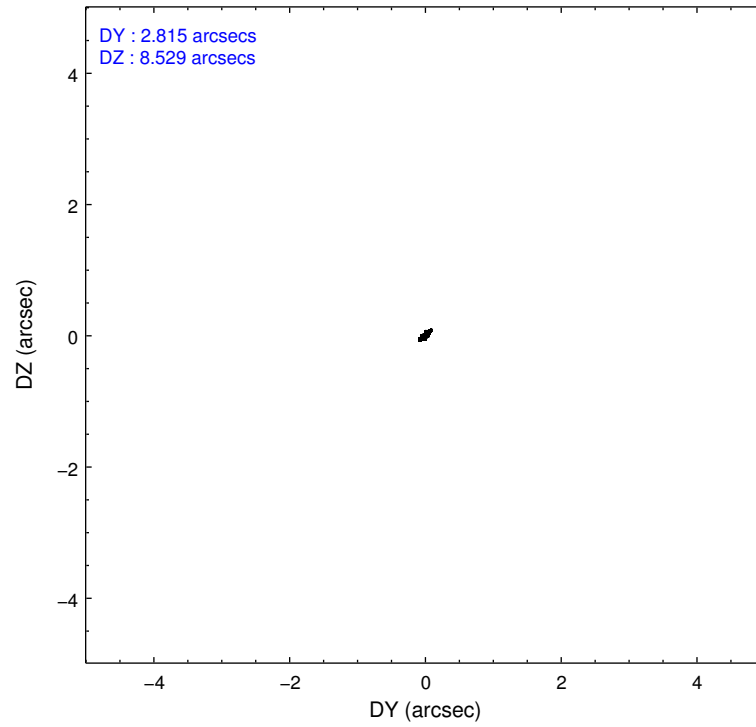
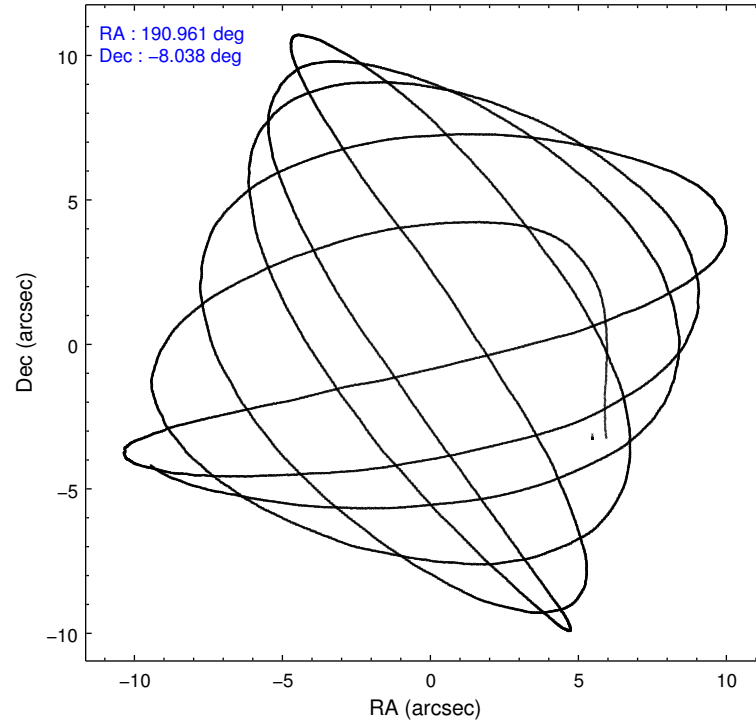
2.1.4 Events

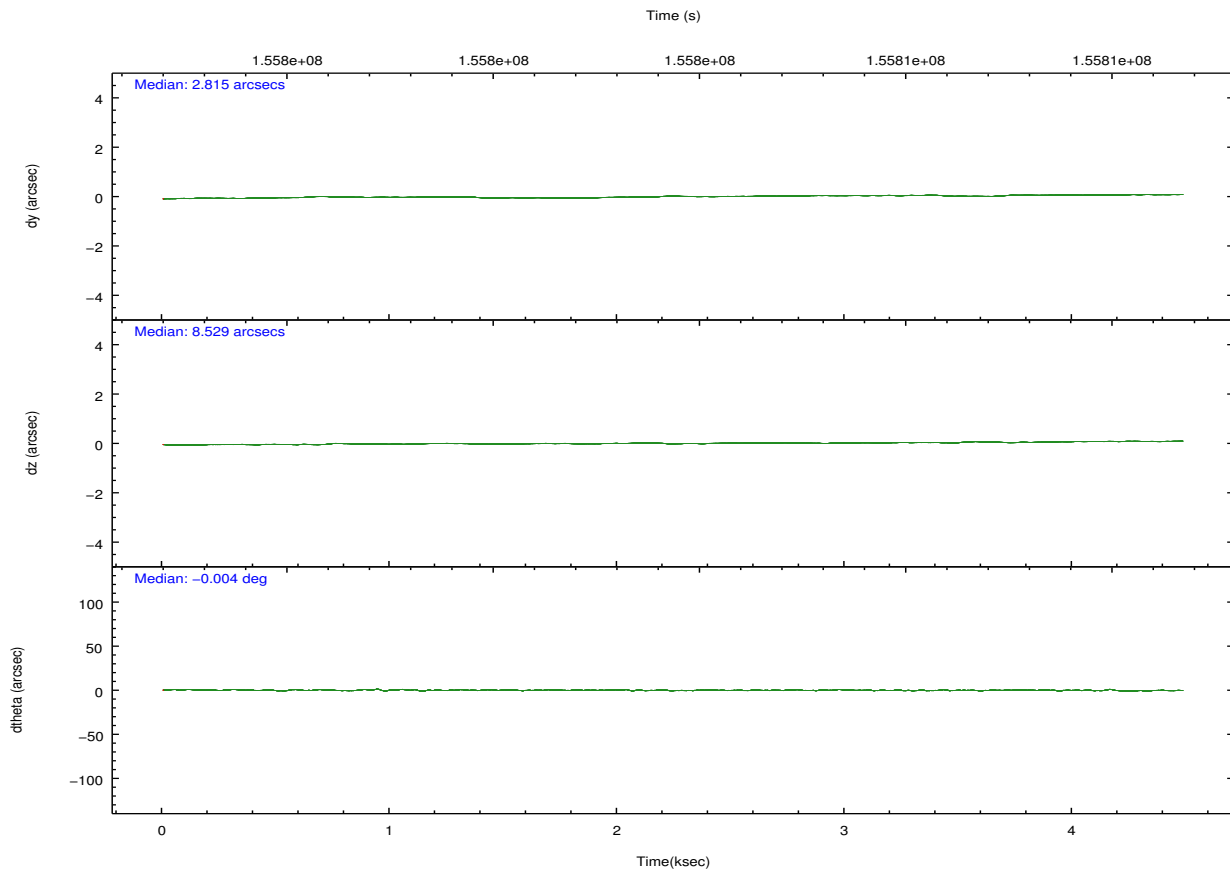
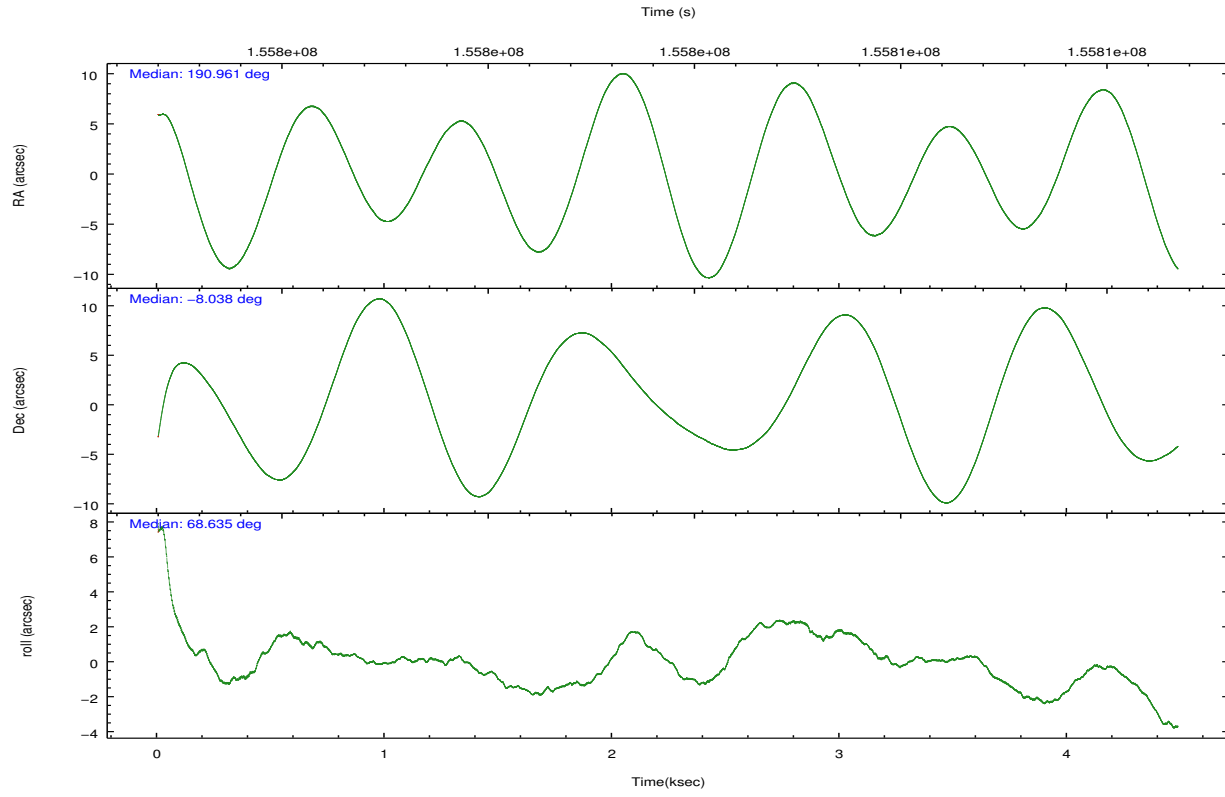
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26243	25380	46438	26914	39533	33849	grade 0 events	3957	3958	6320	3794	2199	4815
rejected events	20166	19259	19582	20624	18563	24227		15%	15%	13%	14%	5%	14%
rejected %	76%	75%	42%	76%	46%	71%	grade 1 events	25	26	491	16	31	33
								0%	0%	1%	0%	0%	0%
							grade 2 events	840	855	6926	977	3956	1677
								3%	3%	14%	3%	10%	4%
							grade 3 events	361	373	1142	383	1711	732
								1%	1%	2%	1%	4%	2%
							grade 4 events	349	367	1131	376	1660	689
								1%	1%	2%	1%	4%	2%
							grade 5 events	925	1003	2620	1035	3088	1369
								3%	3%	5%	3%	7%	4%
							grade 6 events	582	580	11384	769	11488	1721
								2%	2%	24%	2%	29%	5%
							grade 7 events	19204	18218	16424	19564	15400	22813
								73%	71%	35%	72%	38%	67%

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	190.965436	190.9608895385867	Subarray requested	NONE	NONE
[deg] Pointing Dec	-8.065334	-8.03853874386423	Alternating exposures requested	N	N
[deg] Pointing Roll	68.491250	68.64725228390233	[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)	155803292.184000	155802093.64778			
Observation start date	2002-12-09T06:40:28	2002-12-09T06:21:33			
[s] Observation end time (MET)	155807115.184000	155807429.798			
Observation end date	2002-12-09T07:44:11	2002-12-09T07:50:29			
Read mode	TIMED	TIMED			

2.3 Aspect



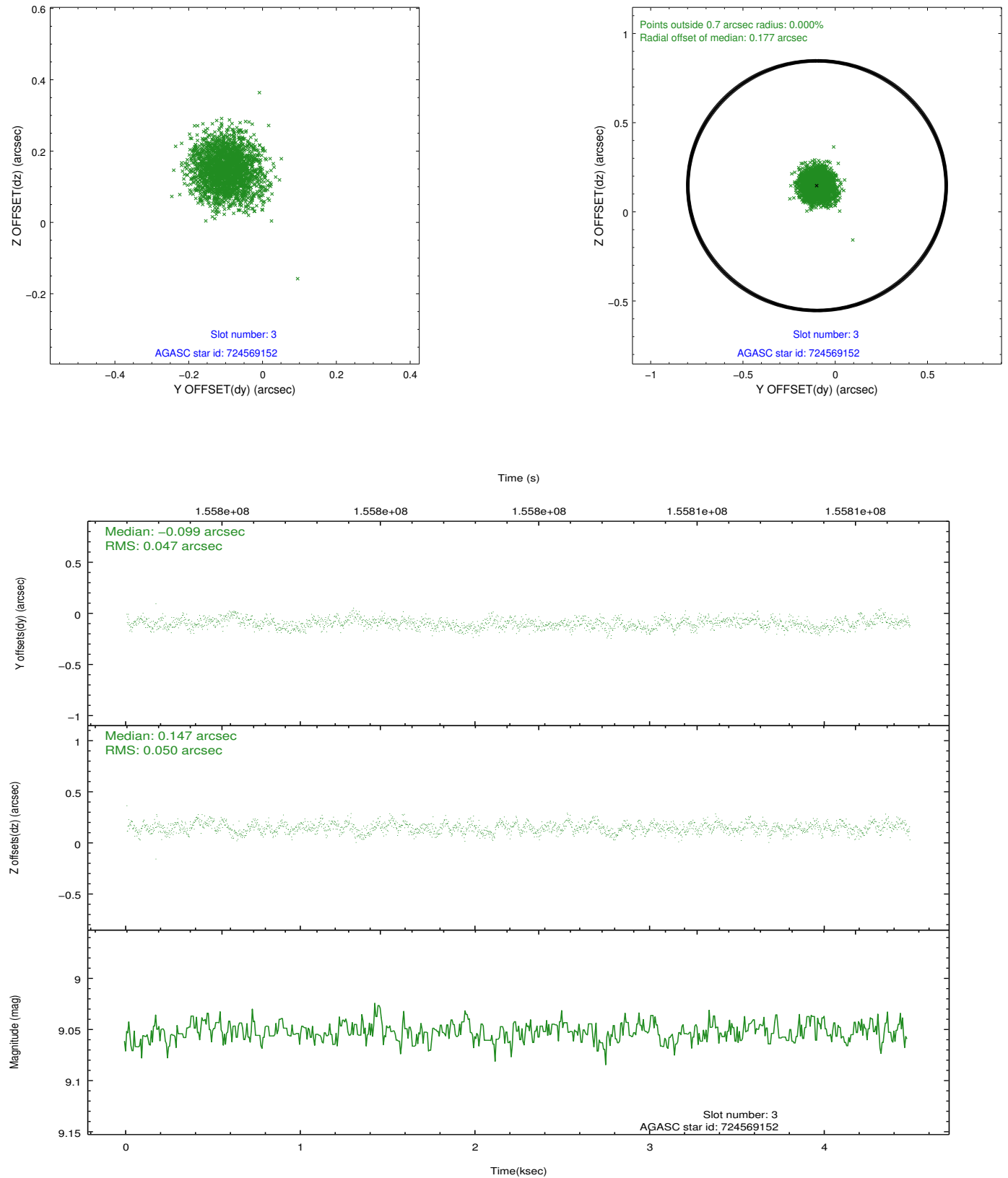


Slot Statistics

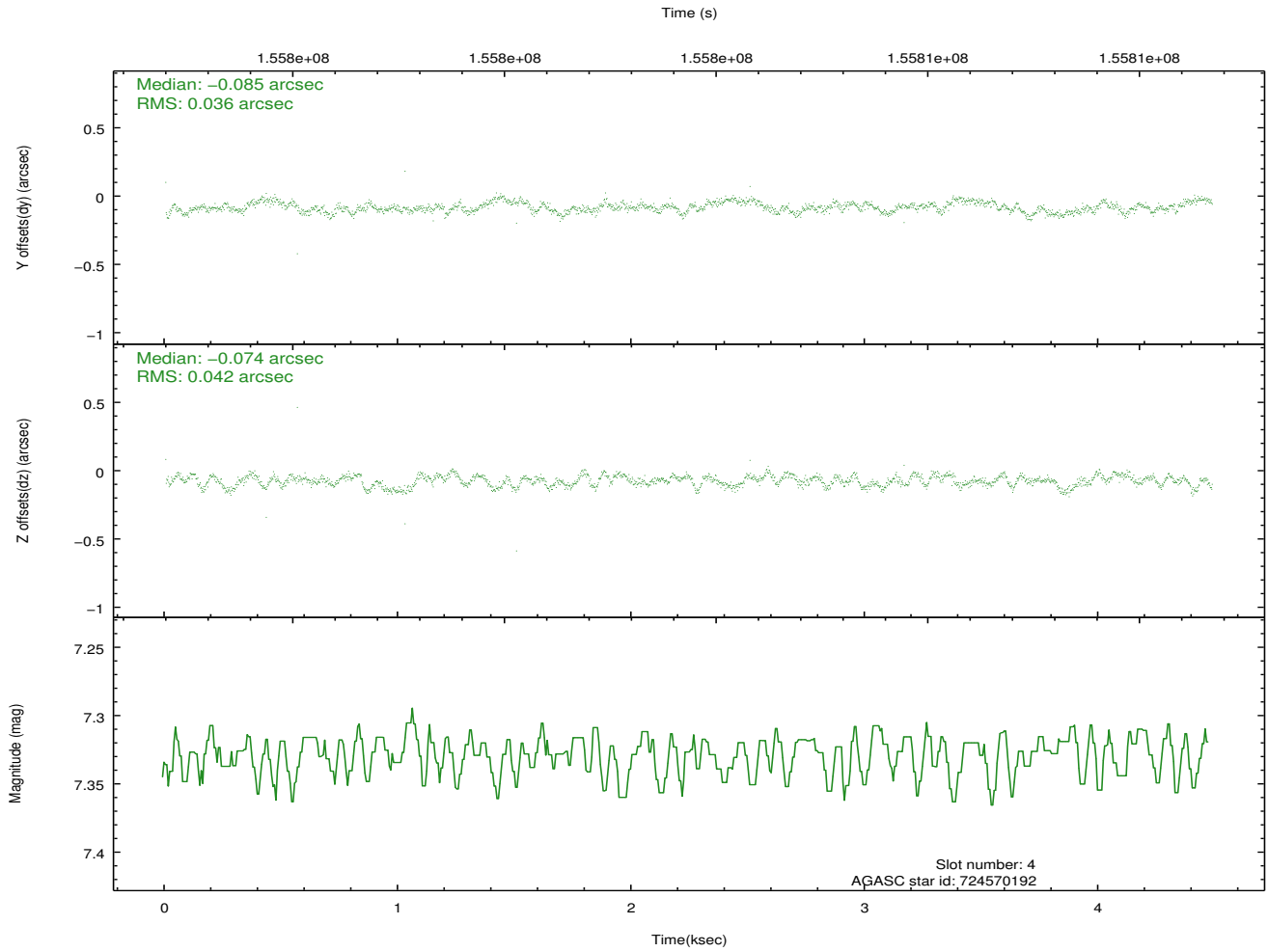
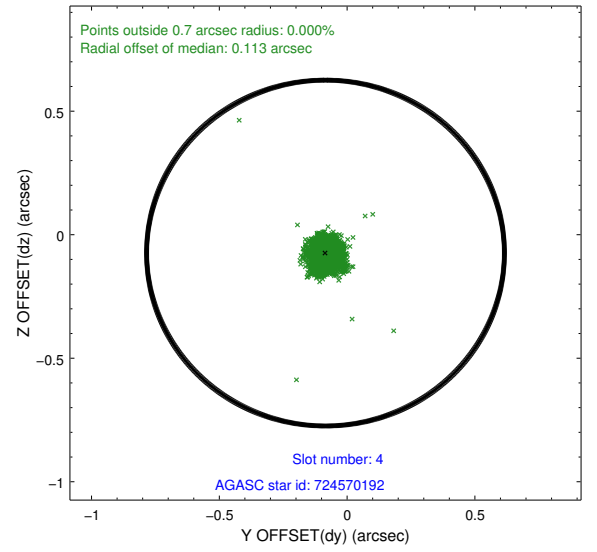
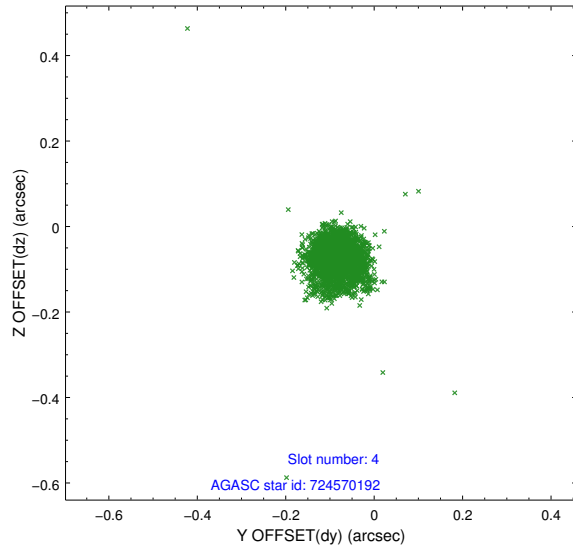
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.20	1094	0.037	0.019	0.007	0.012	0.000000	0.000000	940.59	-1725.32
1	FID	ACIS-S-4	7.20	1094	-0.034	-0.026	0.007	0.011	0.000000	0.000000	2158.72	177.36
2	FID	ACIS-S-5	7.24	1094	-0.029	0.020	0.006	0.011	0.000000	0.000000	-1806.55	172.62
3	GUIDE	724569152	9.05	2187	-0.099	0.147	0.073	0.115	191.027052	-8.272629	-614.84	-476.42
4	GUIDE	724570192	7.33	2187	-0.085	-0.074	0.055	0.087	191.248611	-8.532002	-1194.78	-1553.21
5	GUIDE	724575352	8.97	2188	-0.008	0.156	0.088	0.139	191.367943	-8.682962	-1545.34	-2147.41
6	GUIDE	724575480	9.07	2187	0.129	0.120	0.069	0.112	190.770811	-8.610142	-2080.58	-74.43
7	GUIDE	724571720	7.43	2187	0.058	-0.346	0.074	0.113	190.169563	-8.448452	-2327.80	2130.62

2.4 Star Slots

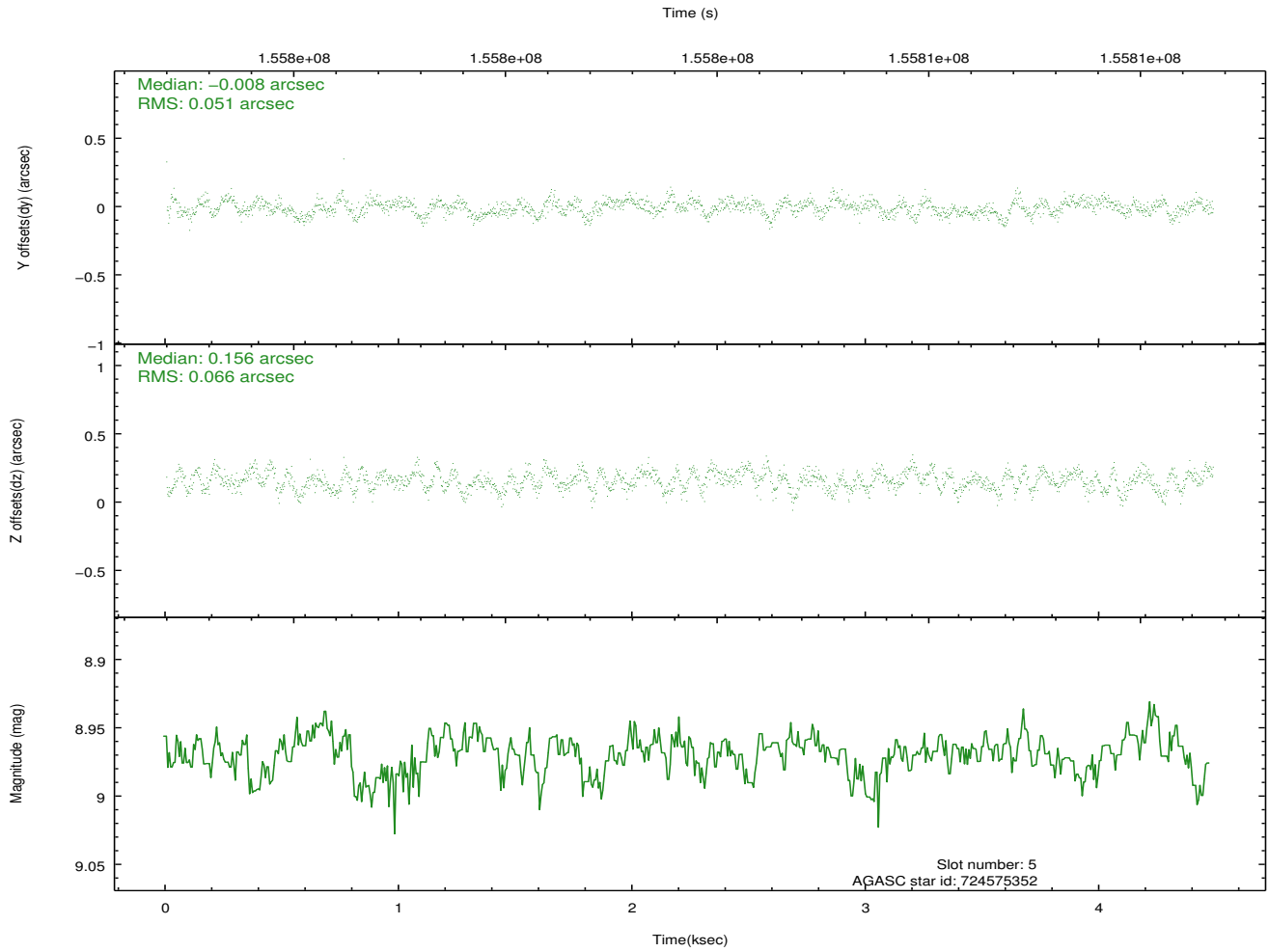
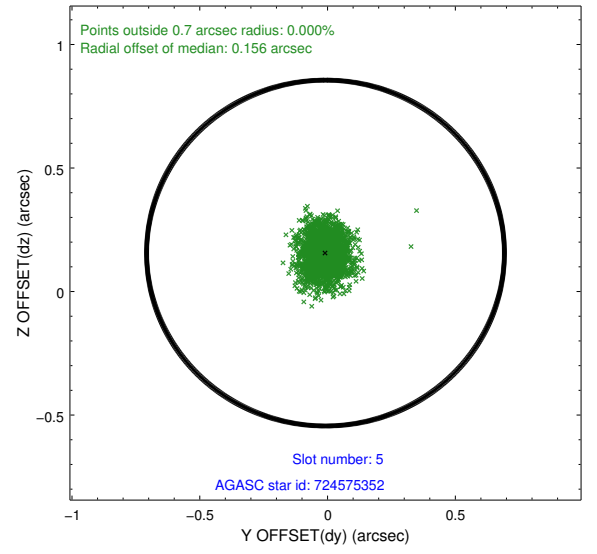
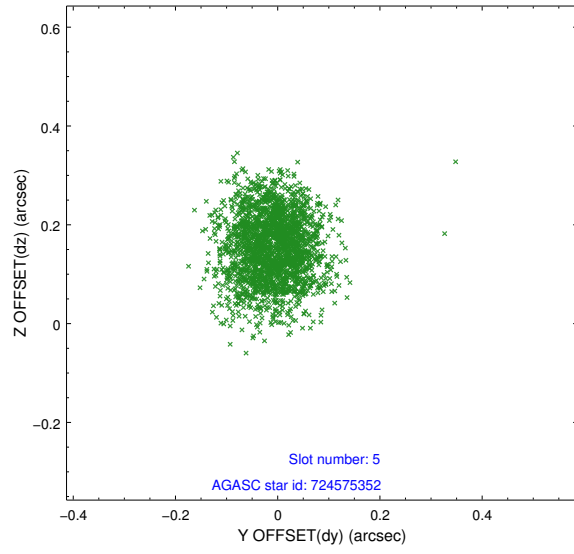
2.4.1 Slot 3



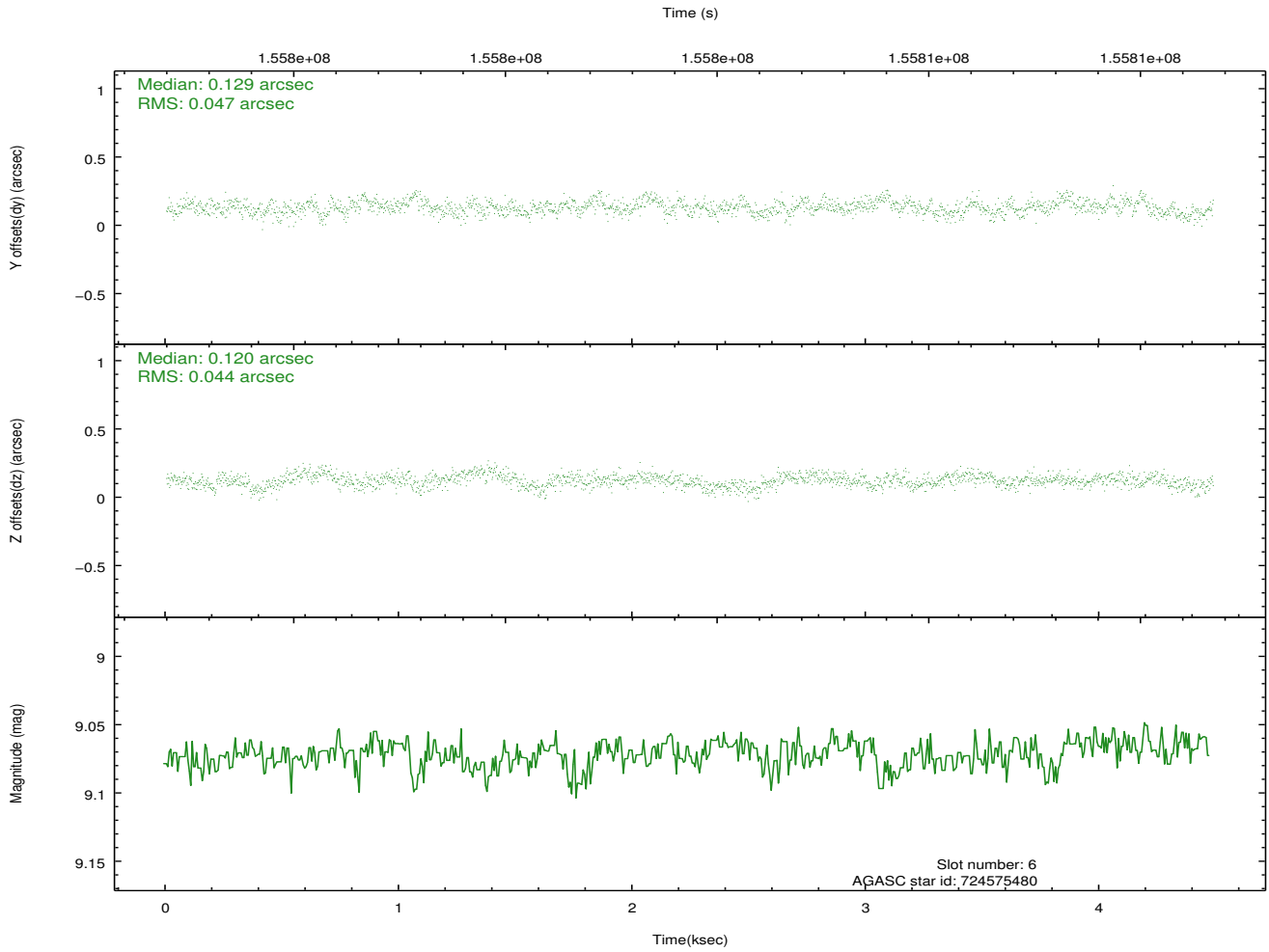
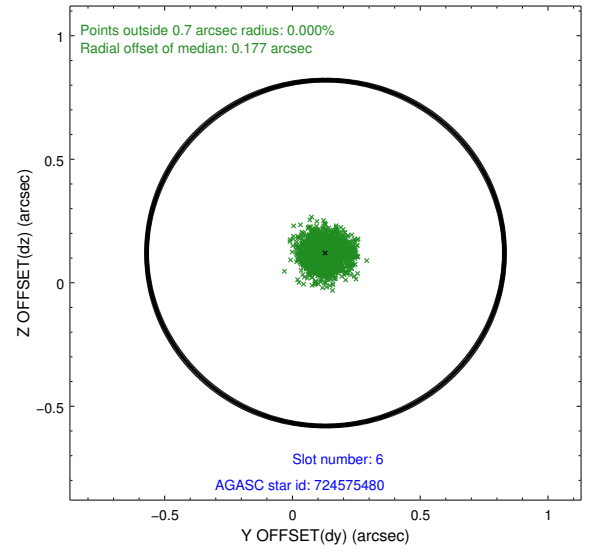
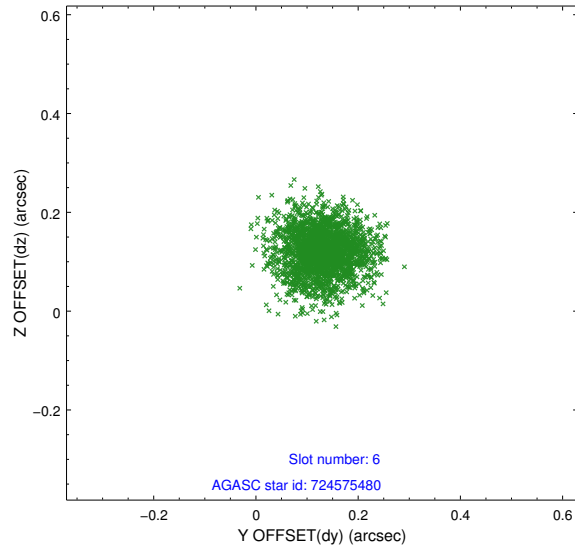
2.4.2 Slot 4



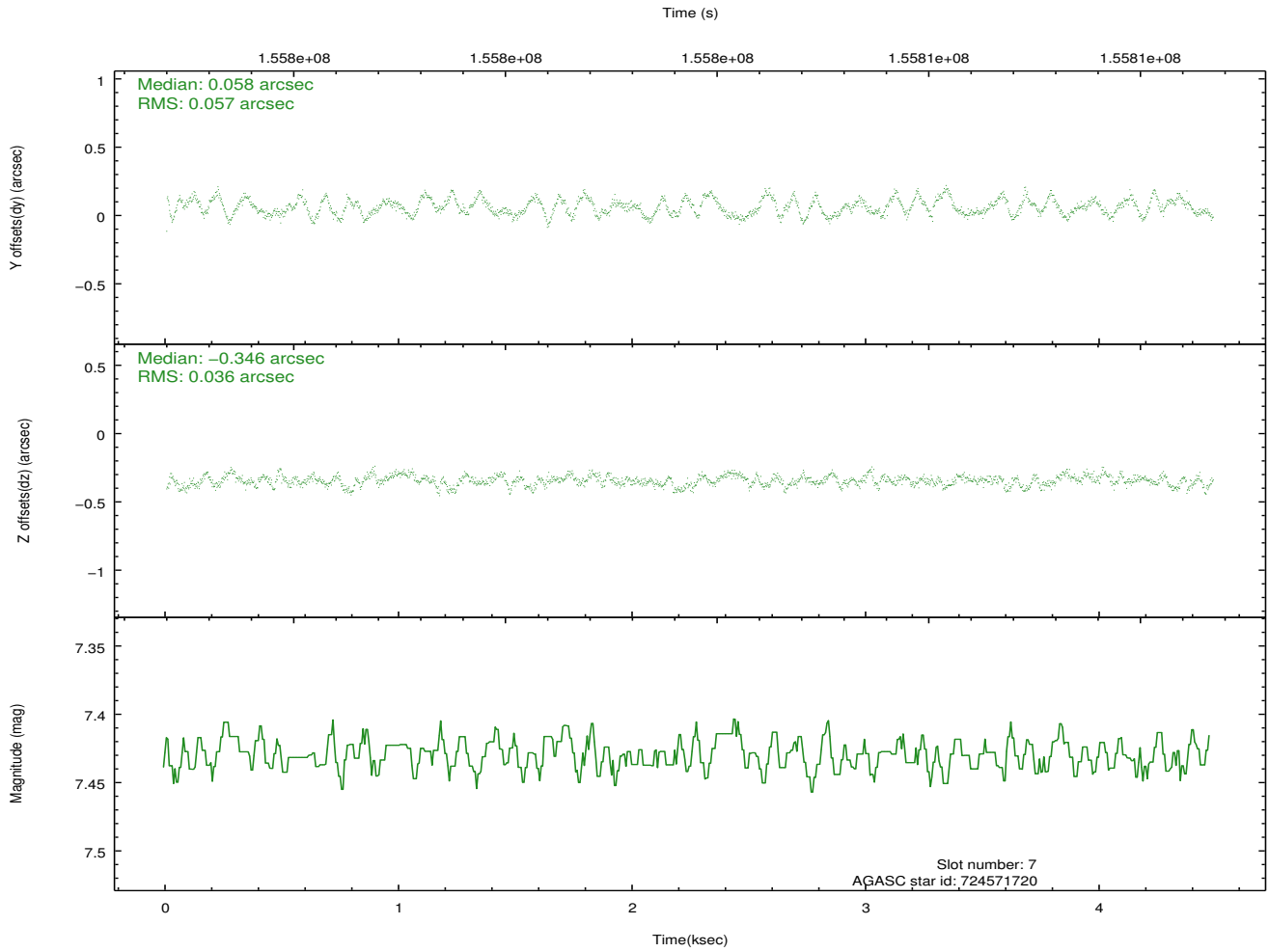
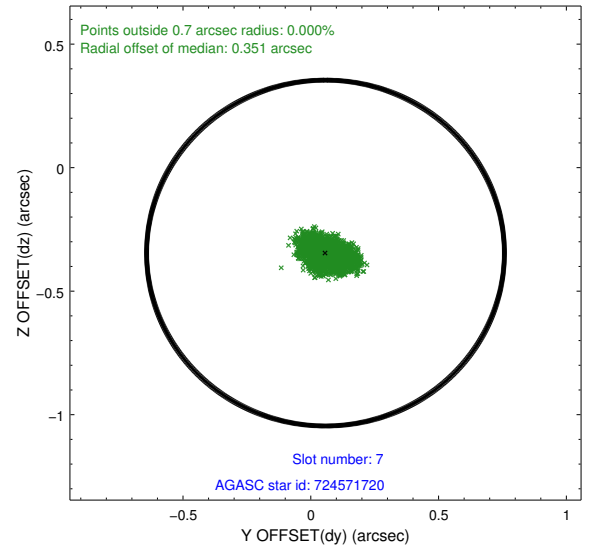
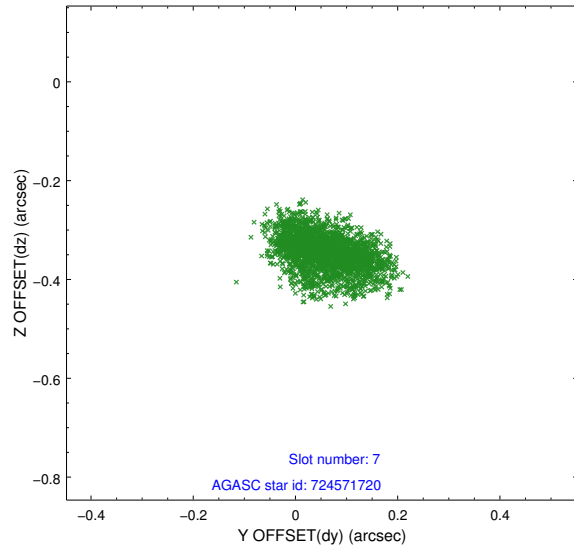
2.4.3 Slot 5



2.4.4 Slot 6

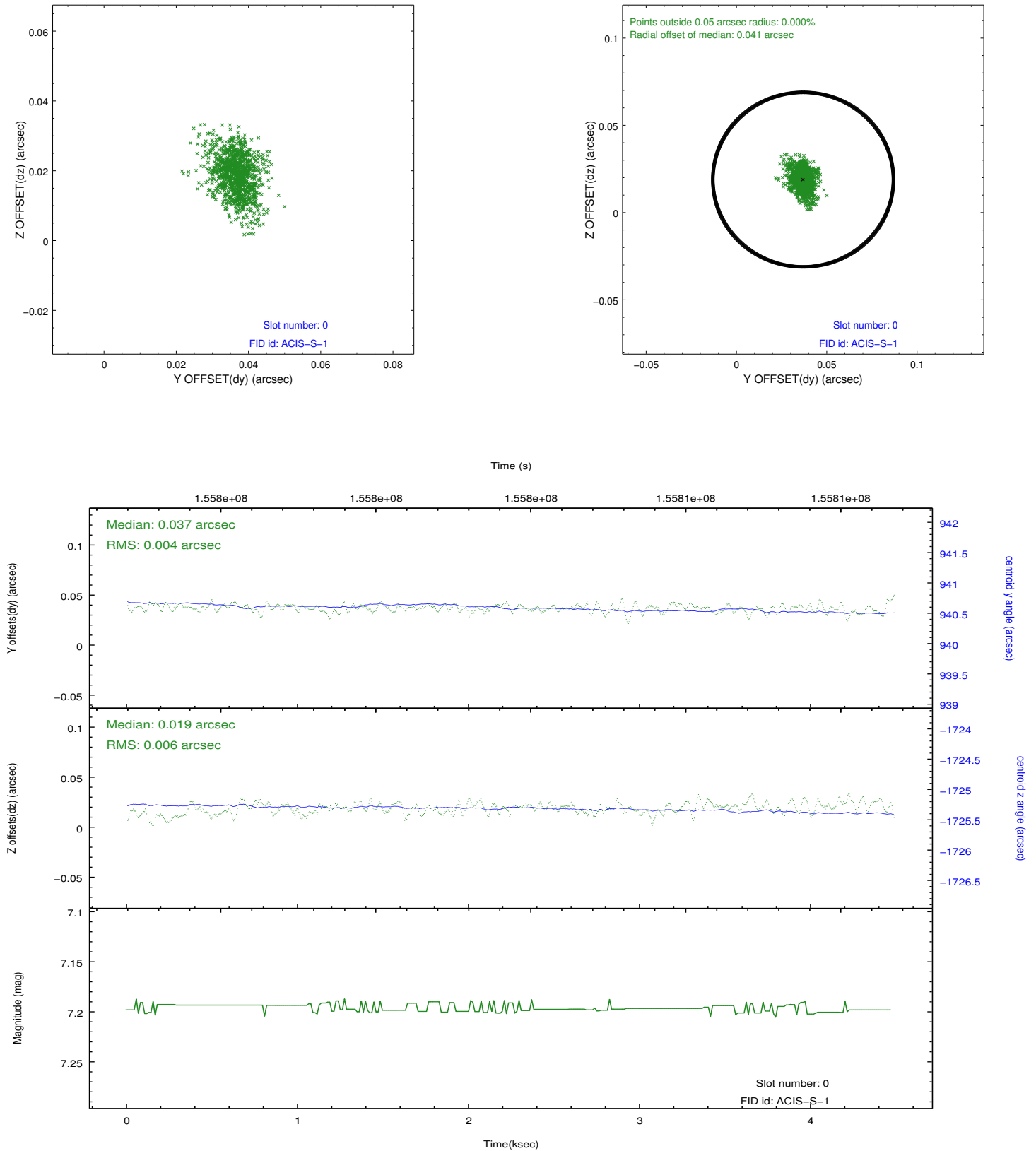


2.4.5 Slot 7

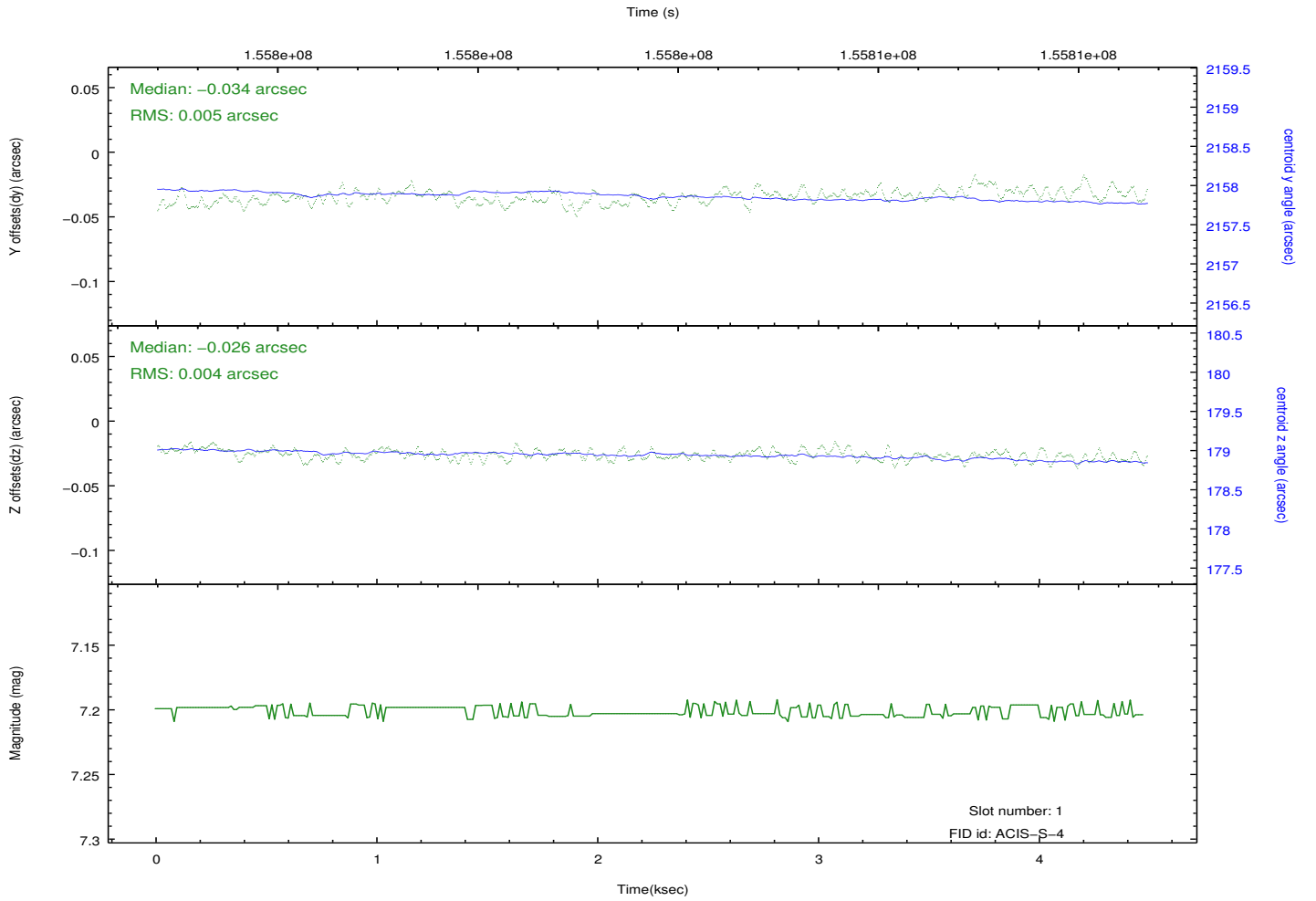
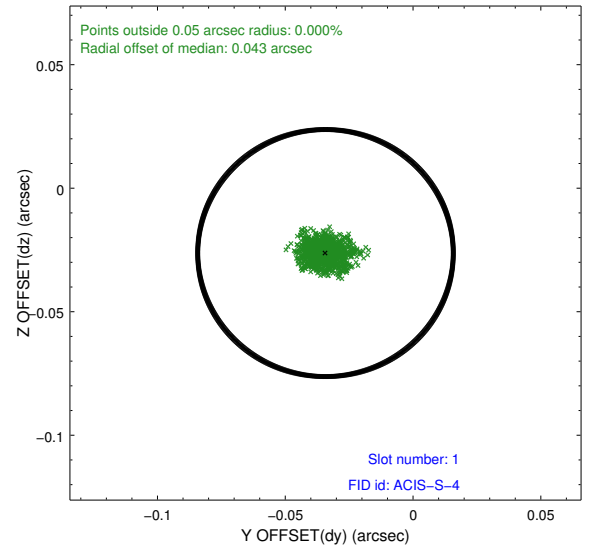
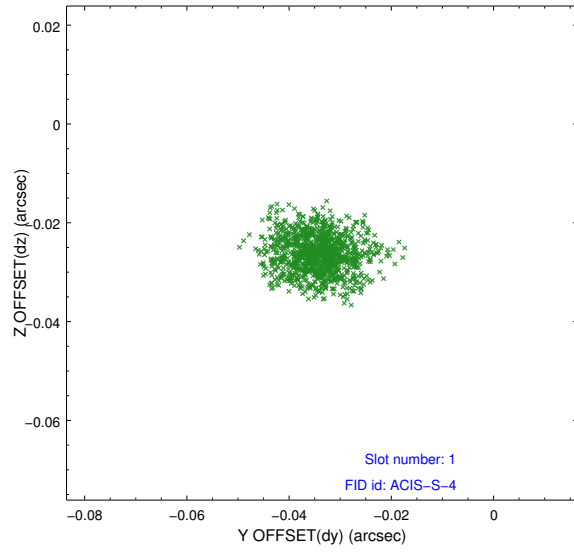


2.5 FID Slots

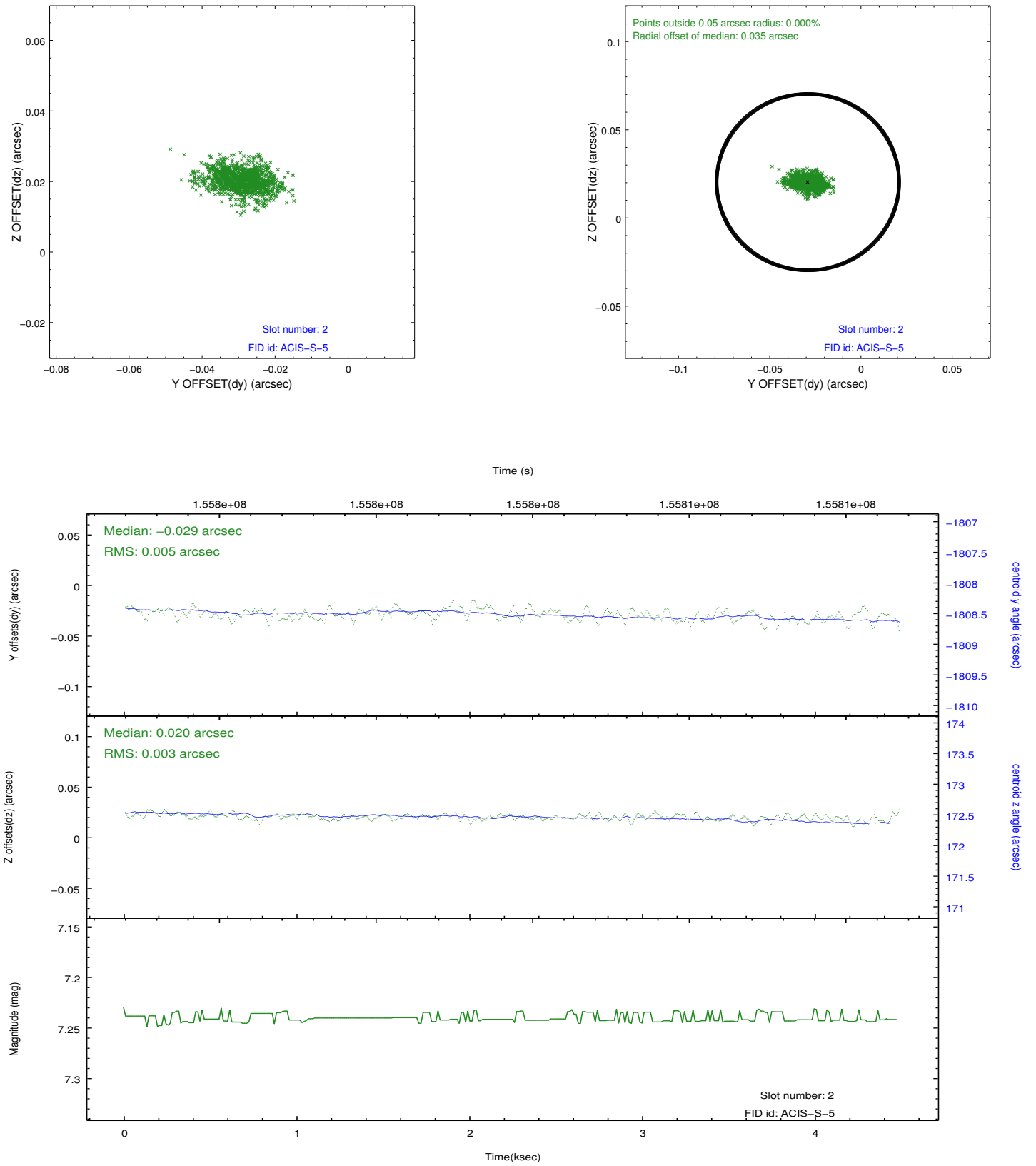
2.5.1 Slot 0



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)	2012.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.786

A.2 Comments