

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3983 - L2 Version 4
Chandra X-Ray Center

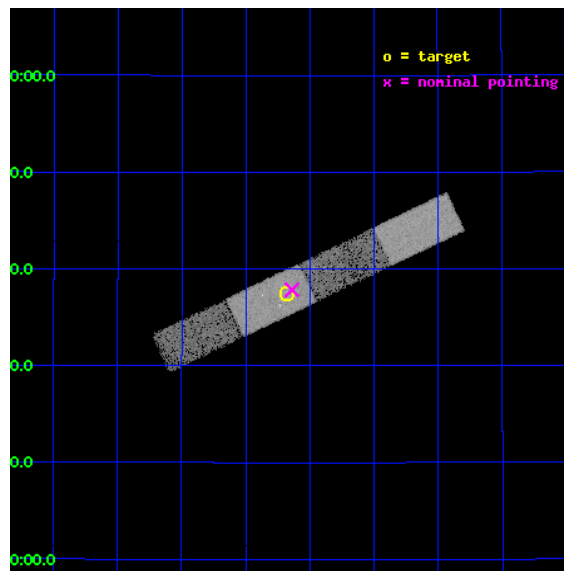
L2 Processing Date : Oct 26 2012

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1 Front

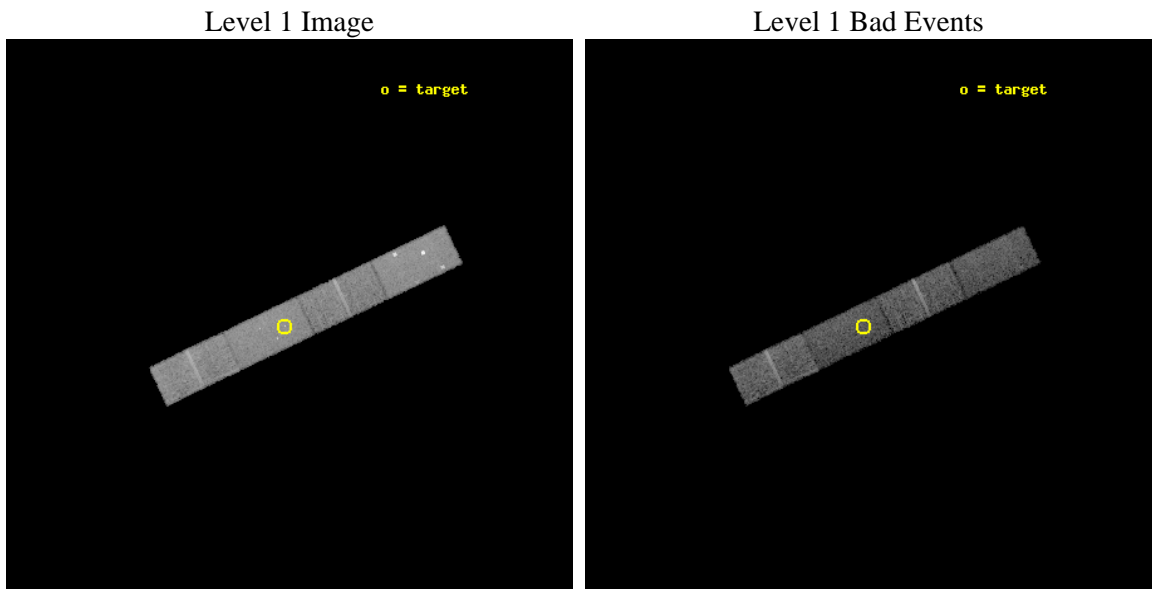
seq_num	700662	Sequence number
obs_id	3983	Observation id
title	THE X-RAY JETS, CORES, AND GAS IN FRI RADIO GALAXIES	Proposal titl
observer	Prof Diana Worrall	Principal investigator
object	B2 1422+26B	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.16875	Observer's specified target RA [deg]
dec_targ	26.625139	Observer's specified target Dec [deg]
ra_nom	216.15997964552	Nominal RA [deg]
dec_nom	26.630784006128	Nominal Dec [deg]
roll_nom	154.5052807789	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10589.299925745	Sum of GTIs [s]
livetime	10339.68770032	Livetime [s]
ontime5	10589.299925745	Sum of GTIs [s]
ontime6	10589.299925745	Sum of GTIs [s]
ontime7	10589.299925745	Sum of GTIs [s]
ontime8	10589.299925745	Sum of GTIs [s]
l2events	52975	Number of level 2 events



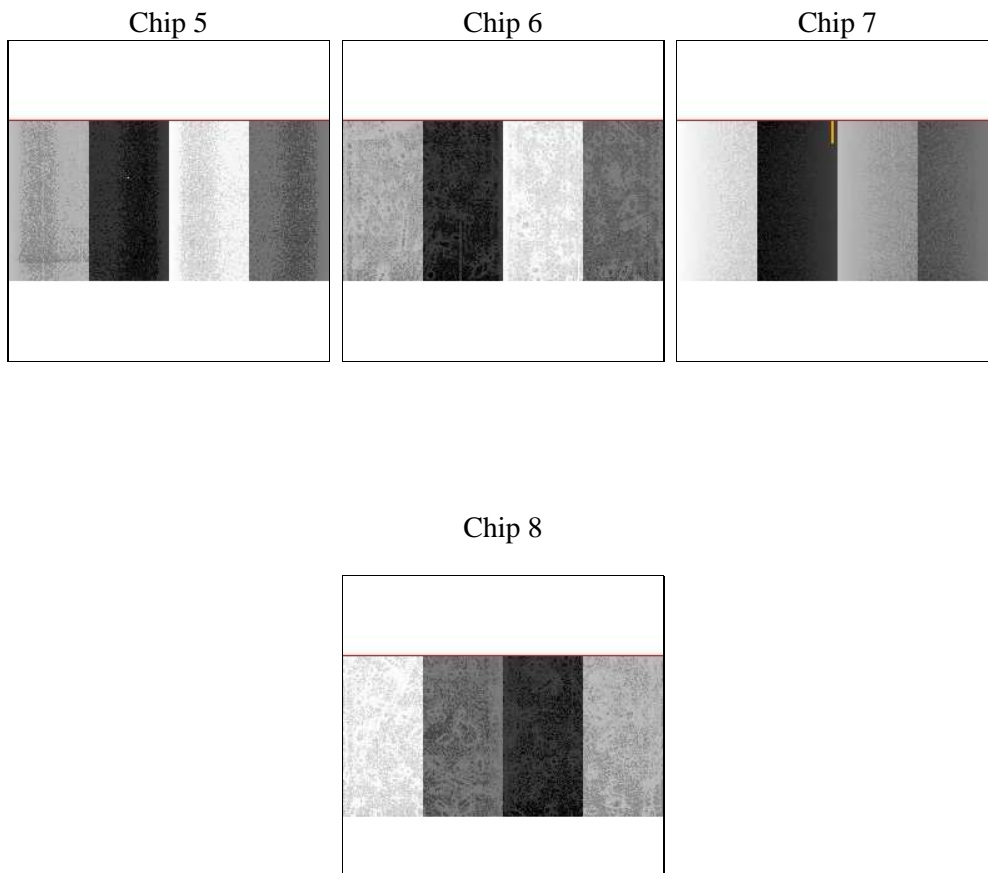
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10038.755000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10589.299925745	Sum of GTIs [s]
caldbver	4.5.2	 	ontime5	10589.299925745	Sum of GTIs [s]
date	2012-10-26T13:17:16	Date and time of file creation	ontime6	10589.299925745	Sum of GTIs [s]
revision	4	Processing version of data	ontime7	10589.299925745	Sum of GTIs [s]
			ontime8	10589.299925745	Sum of GTIs [s]
			l1events	186298	Number of level 1 events

2.1.4 Events

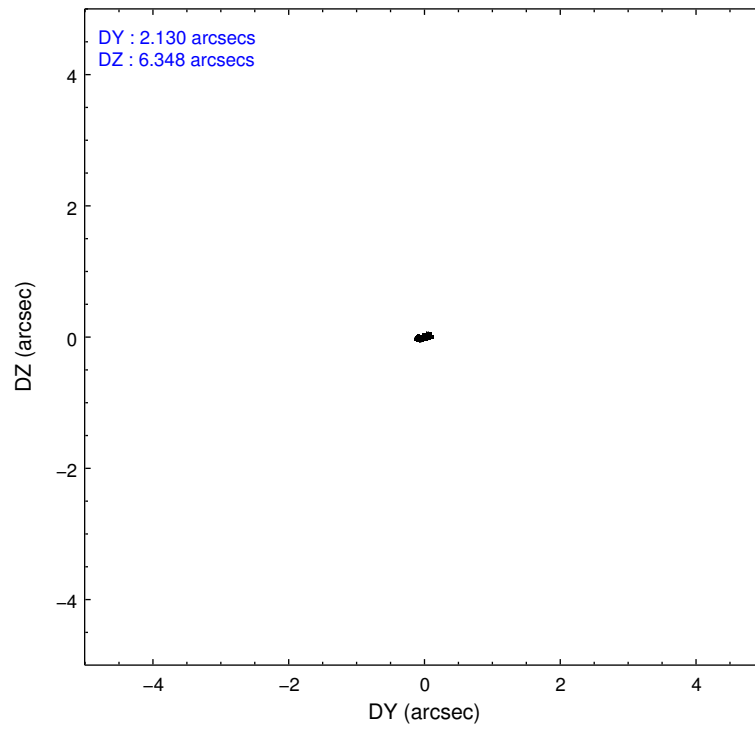
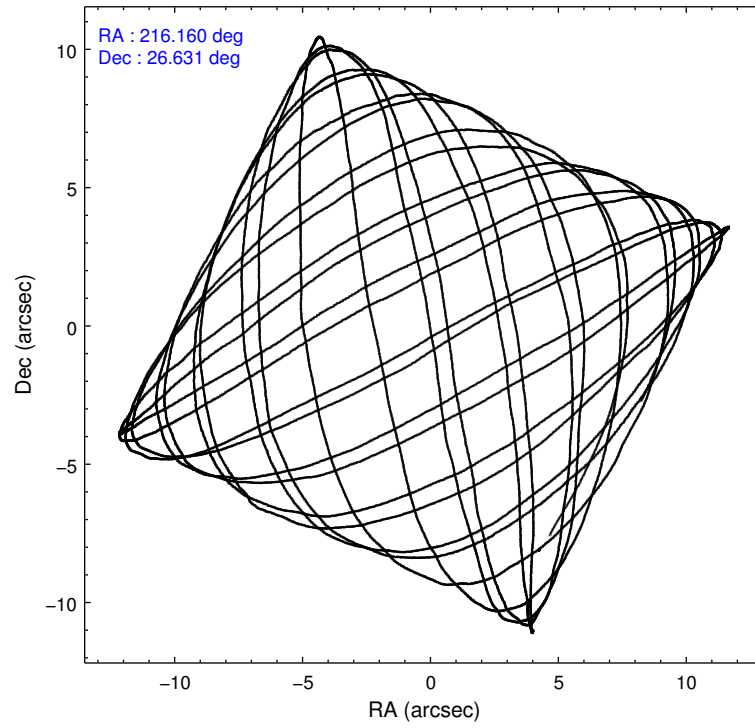
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	57839	36501	46402	45556
rejected events	25750	30933	24750	36060
rejected %	44%	84%	53%	79%

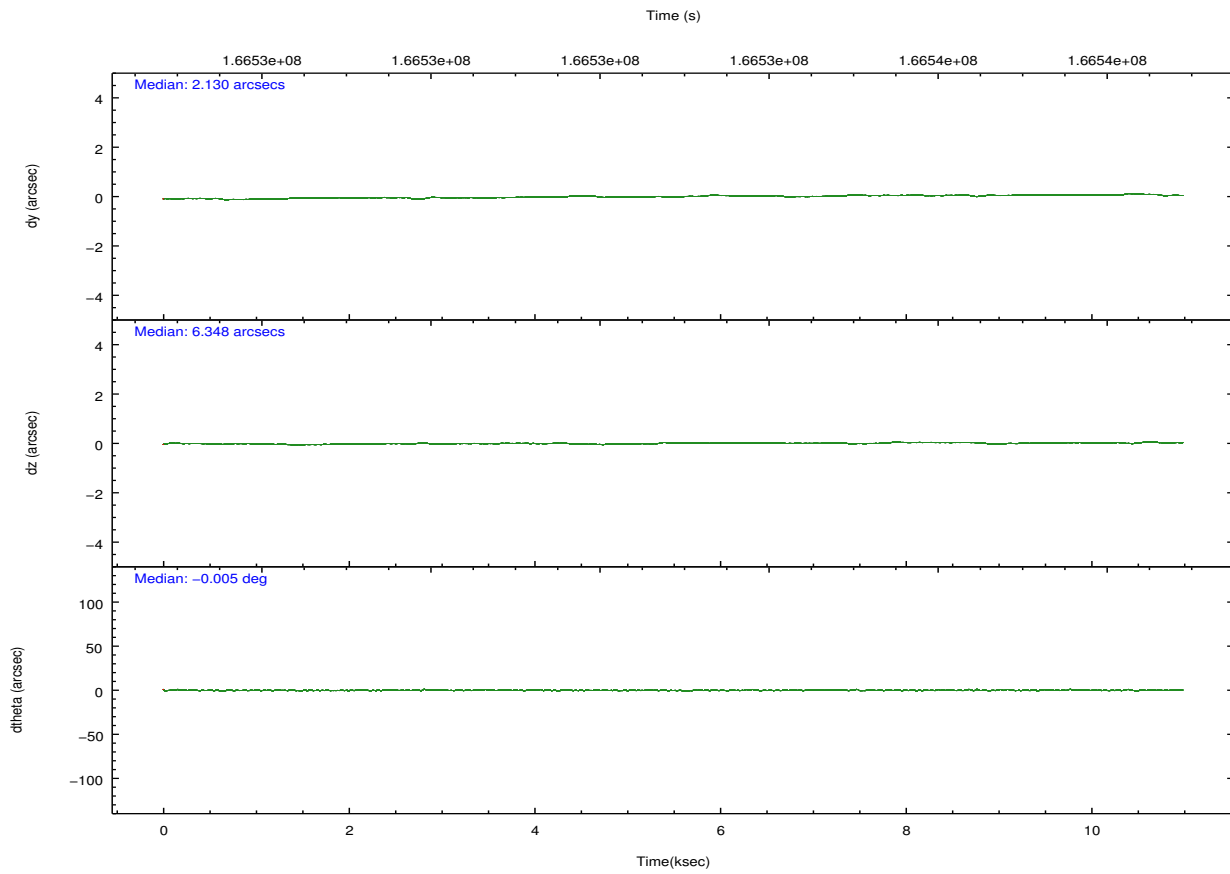
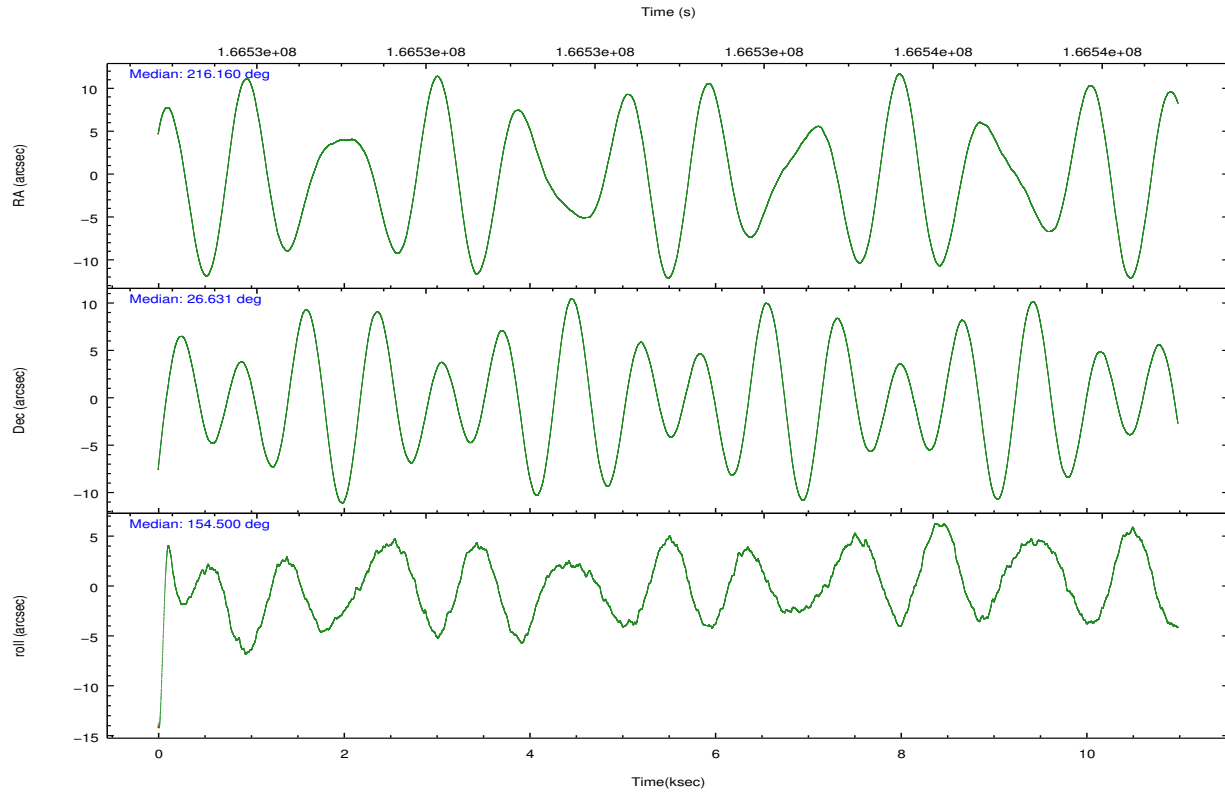
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	11108	2648	2621	3405
	19%	7%	5%	7%
grade 1 events	135	9	44	18
	0%	0%	0%	0%
grade 2 events	6980	963	4413	1885
	12%	2%	9%	4%
grade 3 events	1220	547	2150	1070
	2%	1%	4%	2%
grade 4 events	1241	562	2087	960
	2%	1%	4%	2%
grade 5 events	3823	1494	4182	1890
	6%	4%	9%	4%
grade 6 events	11543	850	10386	2178
	19%	2%	22%	4%
grade 7 events	21789	29428	20519	34150
	37%	80%	44%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	216.190283	216.1599796455188	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	26.633274	26.63078400612821	Subarray start row	257	257
[deg] Pointing Roll	154.335085	154.5052807788999	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.7
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	166528319.184000	166526977.6229			
Observation start date	2003-04-12T09:50:55	2003-04-12T09:29:37			
[s] Observation end time (MET)	166538357.184000	166538672.3609			
Observation end date	2003-04-12T12:38:13	2003-04-12T12:44:32			
Read mode	TIMED	TIMED			

2.3 Aspect



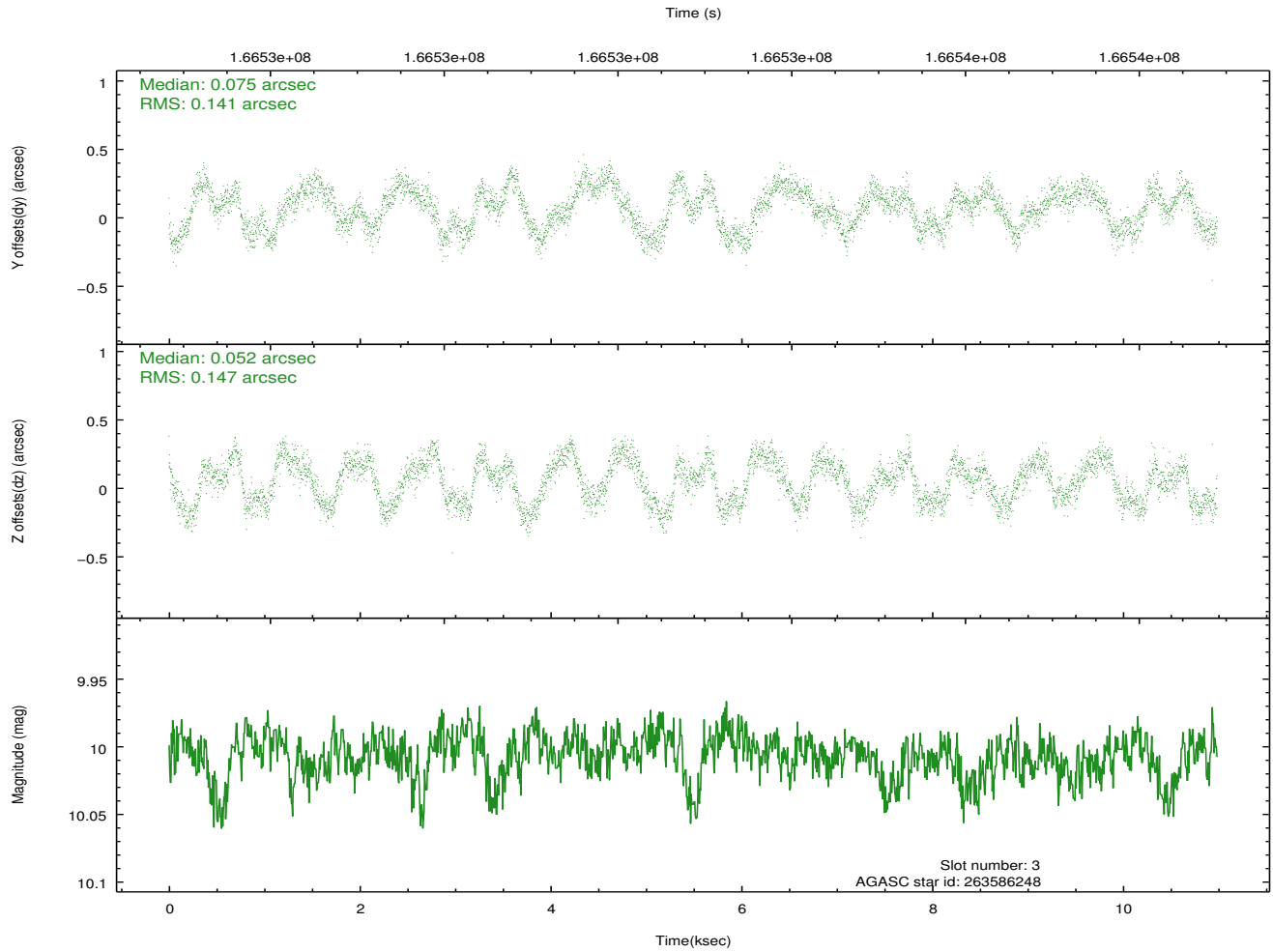
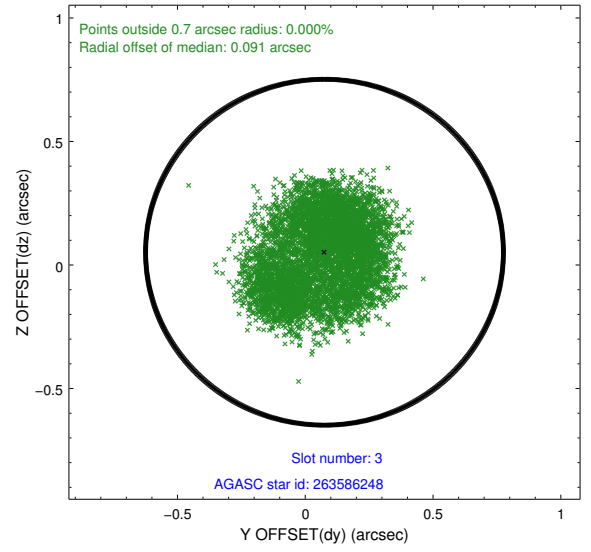
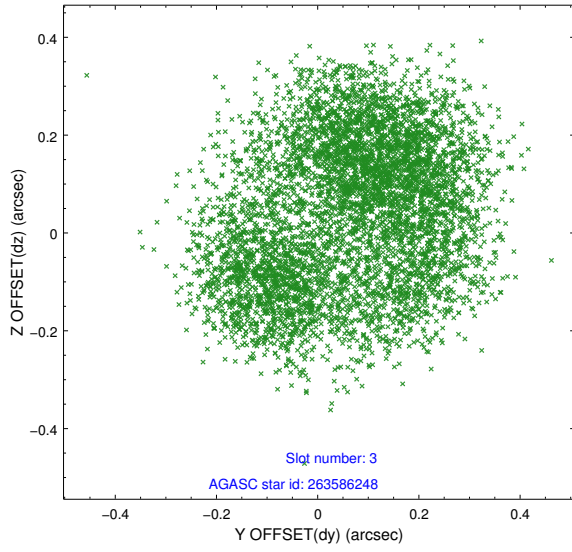


Slot Statistics

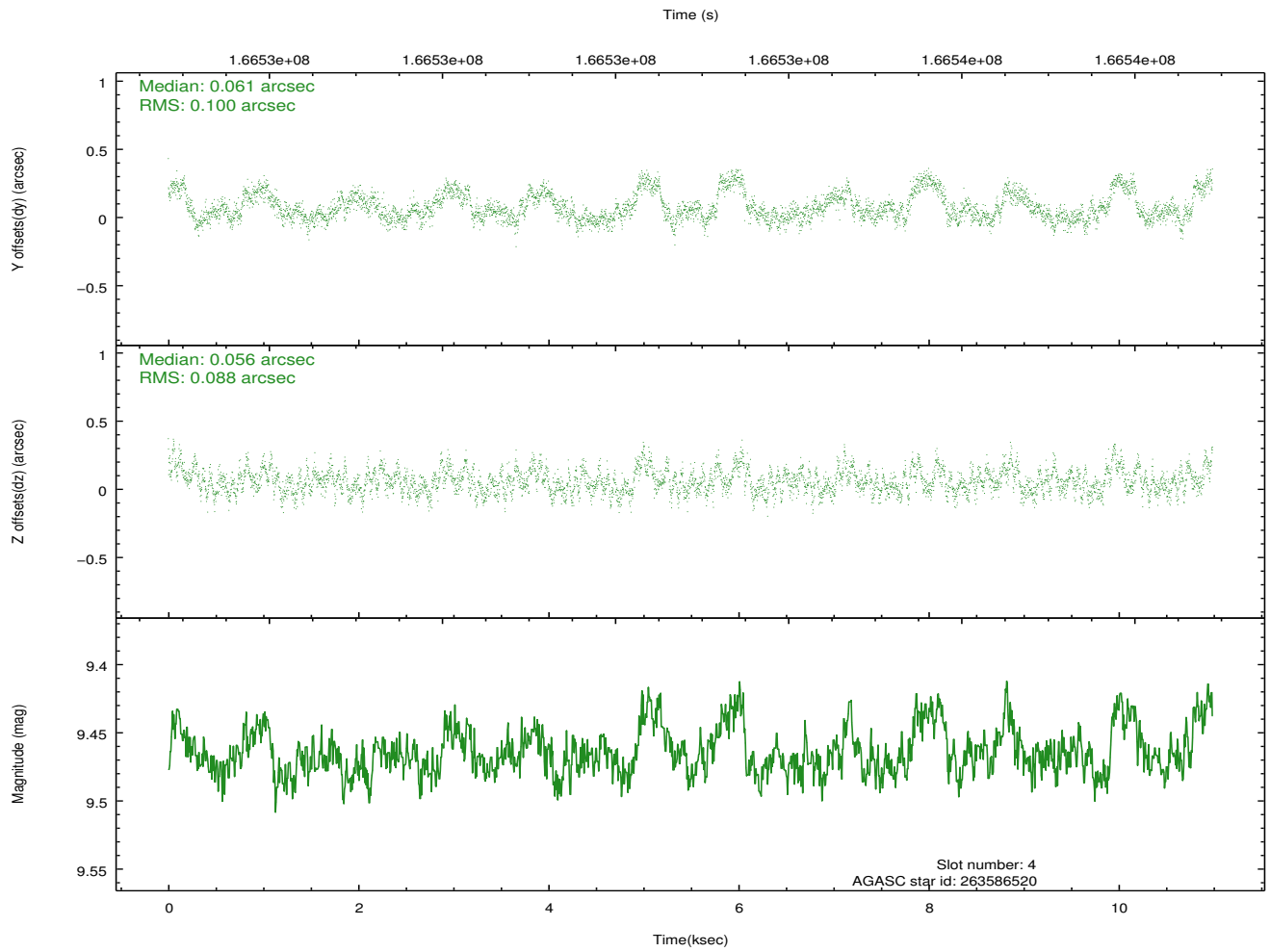
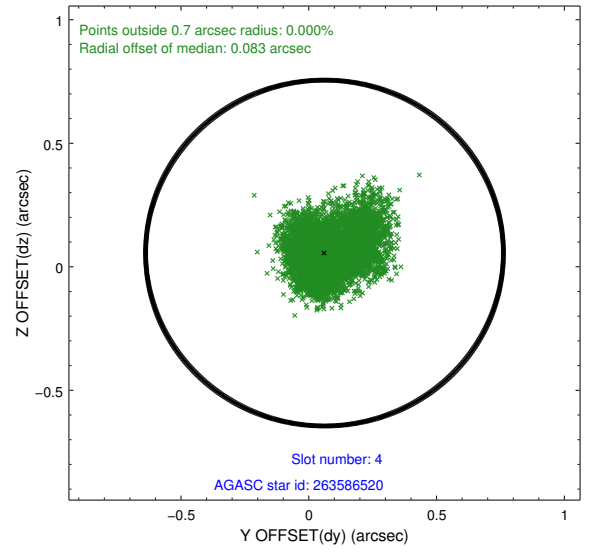
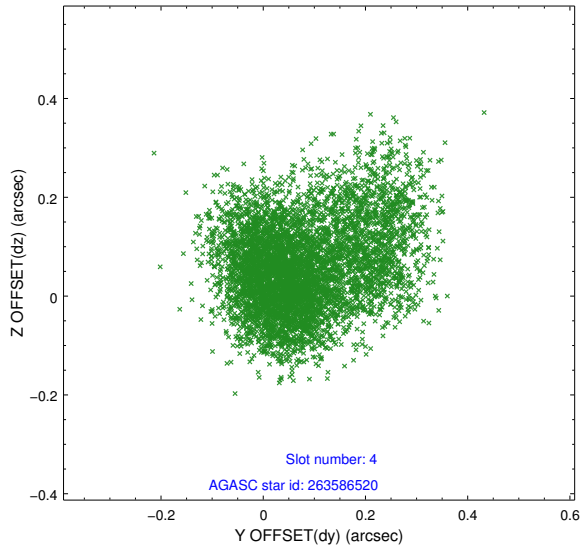
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	2680	-0.049	0.002	0.006	0.011	0.000000	0.000000	-754.76	-1727.46
1	FID	ACIS-S-4	7.21	2680	-0.000	0.023	0.006	0.010	0.000000	0.000000	2158.32	180.62
2	FID	ACIS-S-5	7.24	2680	0.019	-0.016	0.006	0.011	0.000000	0.000000	-1806.97	174.71
3	GUIDE	263586248	10.01	5358	0.075	0.052	0.227	0.321	216.882223	26.641604	-1990.82	-996.32
4	GUIDE	263586520	9.47	5360	0.061	0.056	0.140	0.240	216.777743	26.982936	-1151.56	-1954.38
5	GUIDE	263589208	6.74	5360	-0.198	0.098	0.076	0.114	215.967797	27.270750	1635.89	-1760.26
6	GUIDE	263592008	9.07	5353	0.130	-0.082	0.082	0.140	216.283033	26.162303	-1003.90	1398.39
7	GUIDE	263592472	7.11	5359	-0.074	-0.116	0.072	0.111	216.477415	26.265268	-1408.85	792.48

2.4 Star Slots

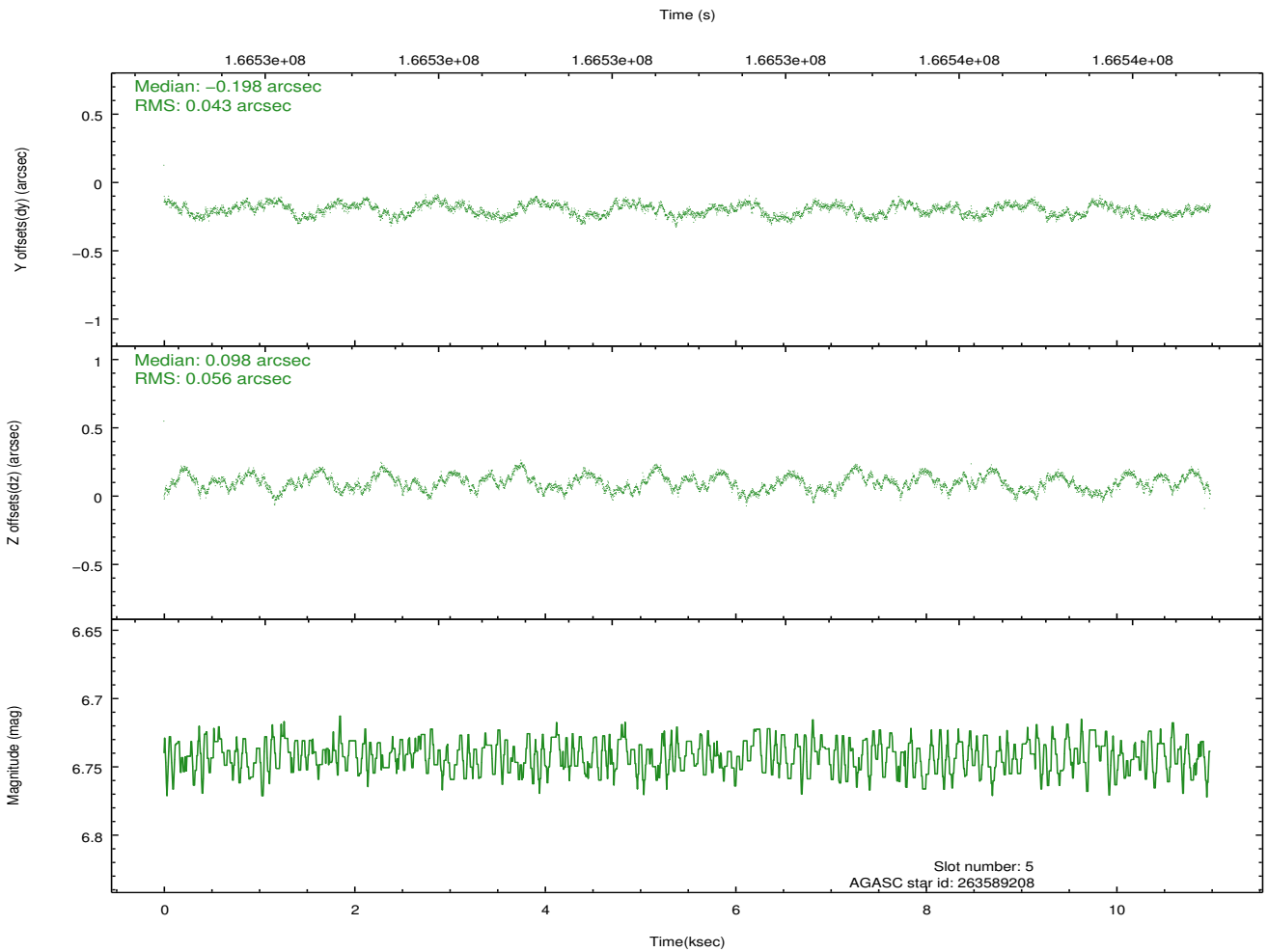
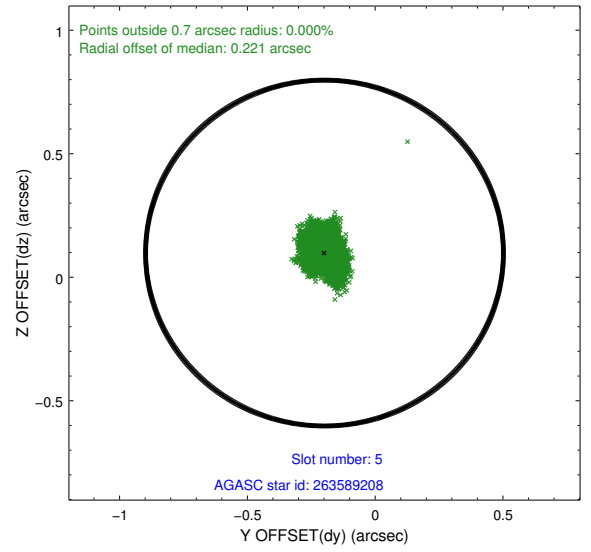
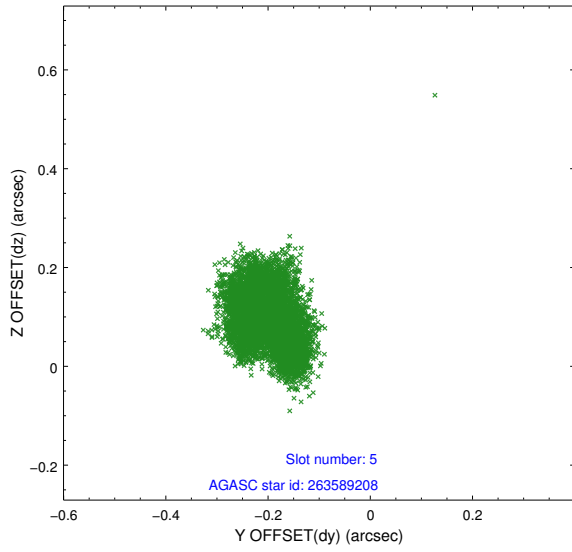
2.4.1 Slot 3



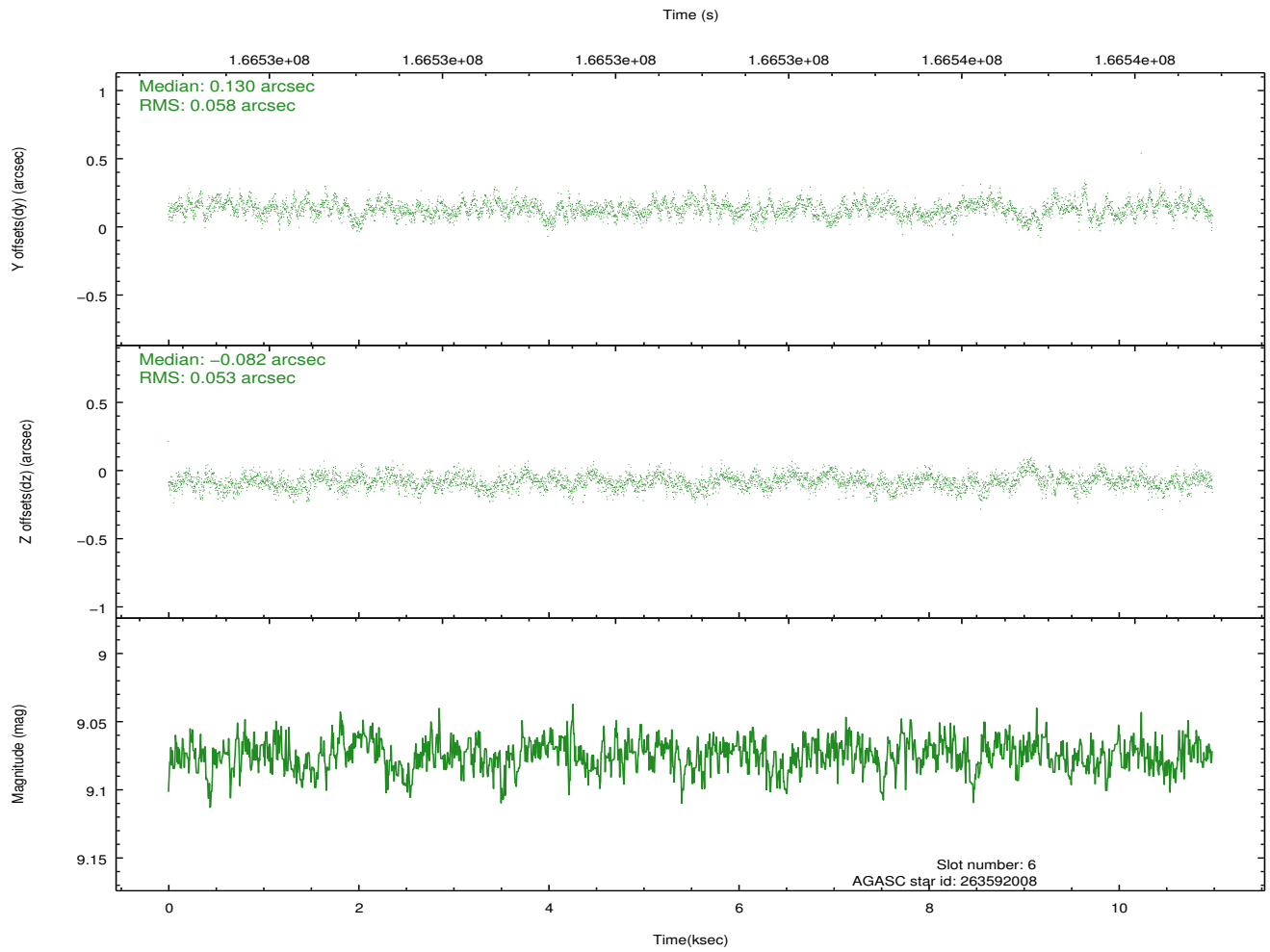
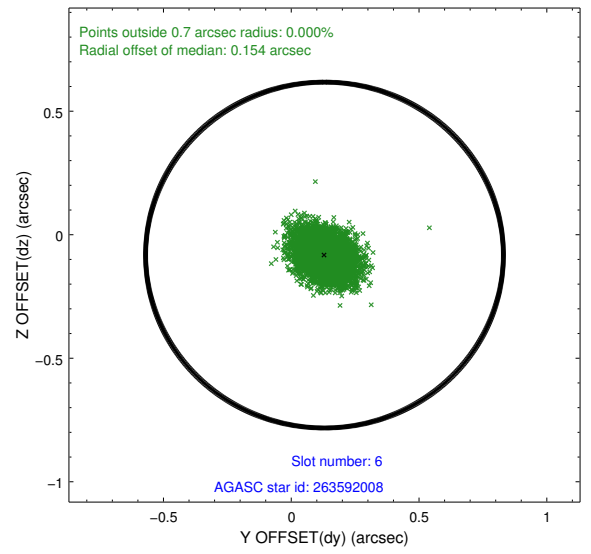
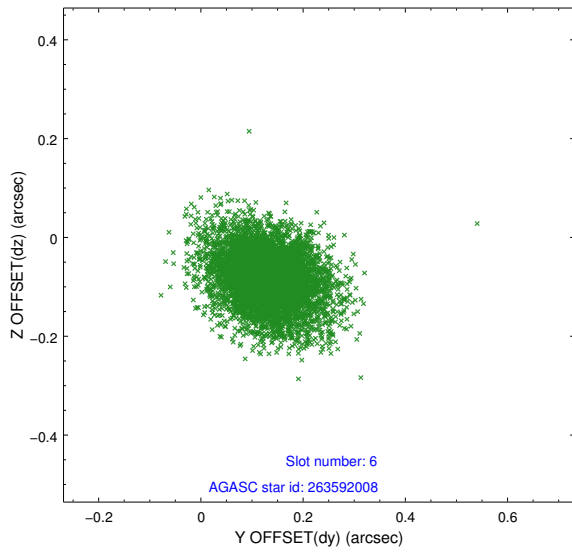
2.4.2 Slot 4



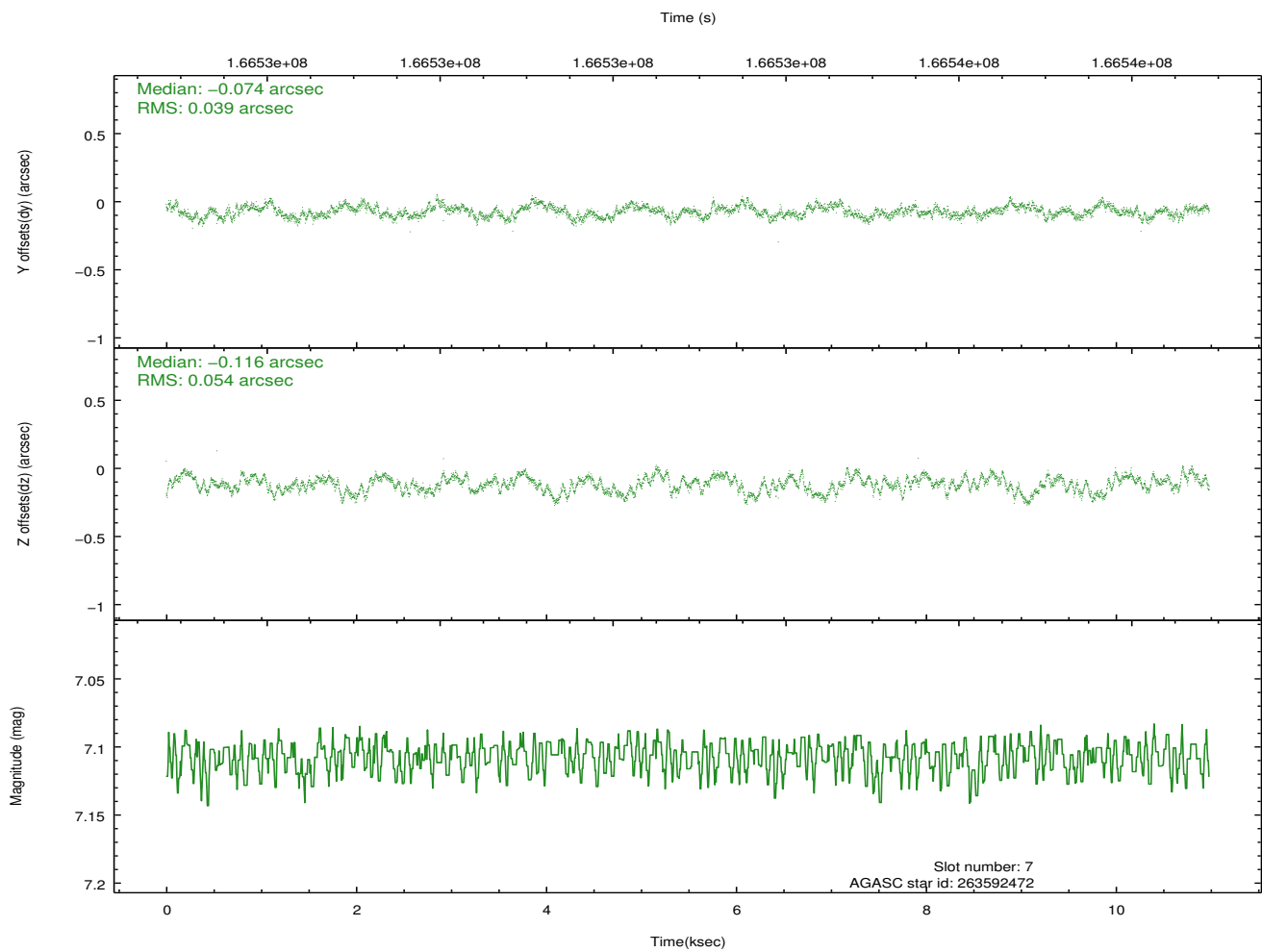
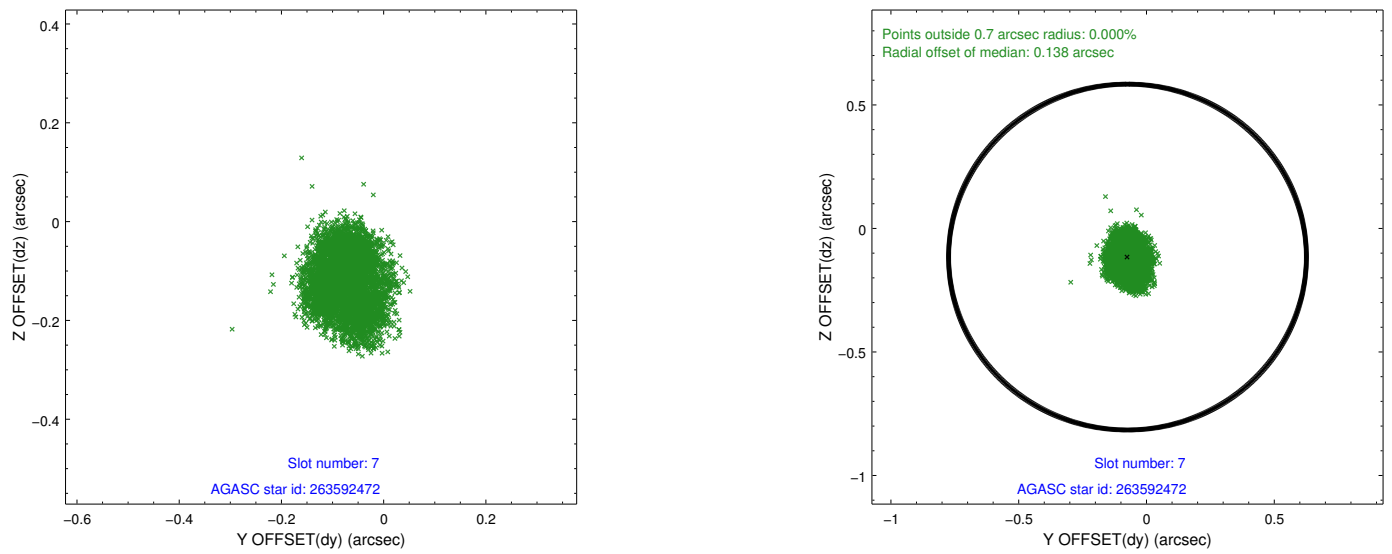
2.4.3 Slot 5



2.4.4 Slot 6

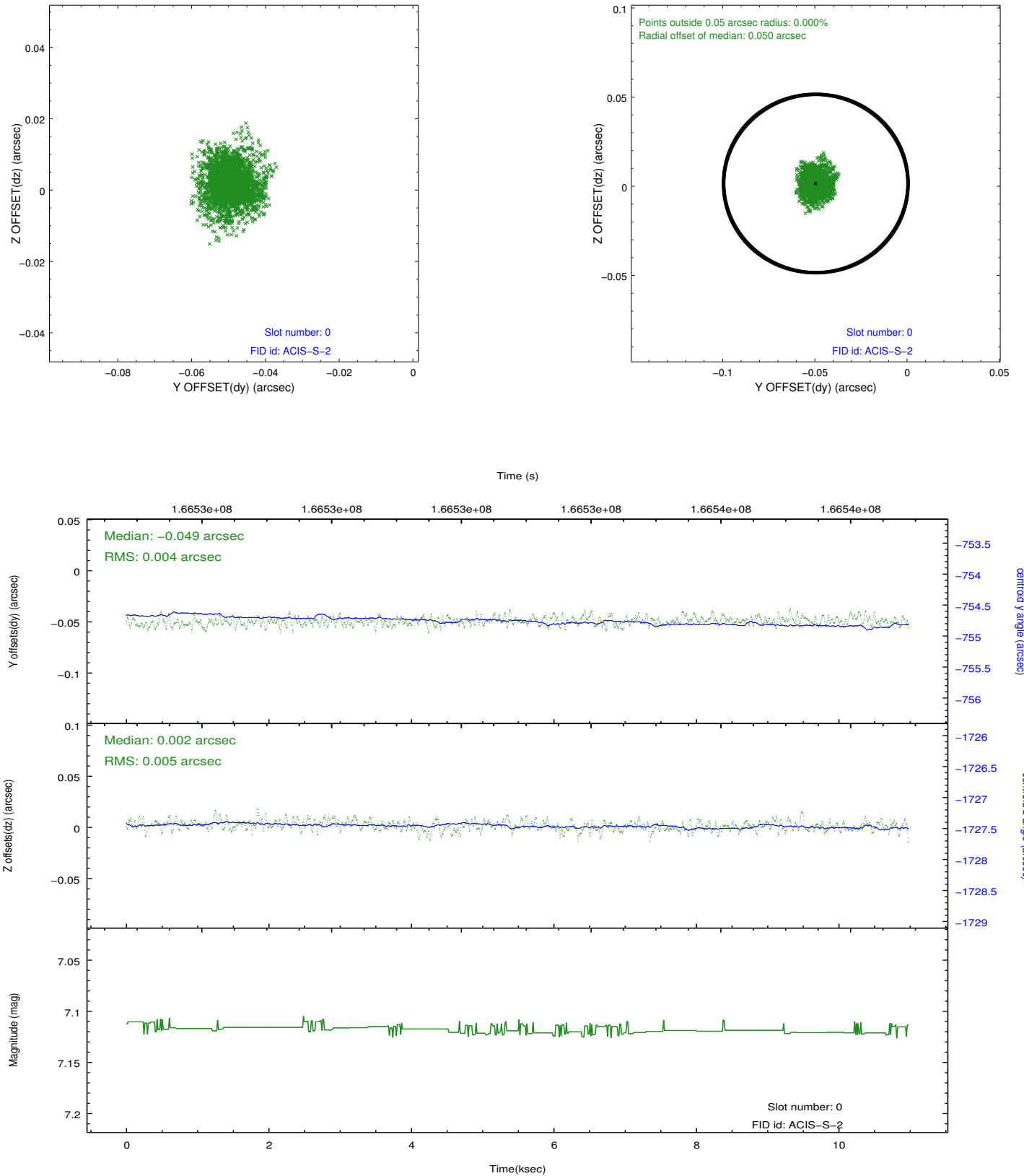


2.4.5 Slot 7

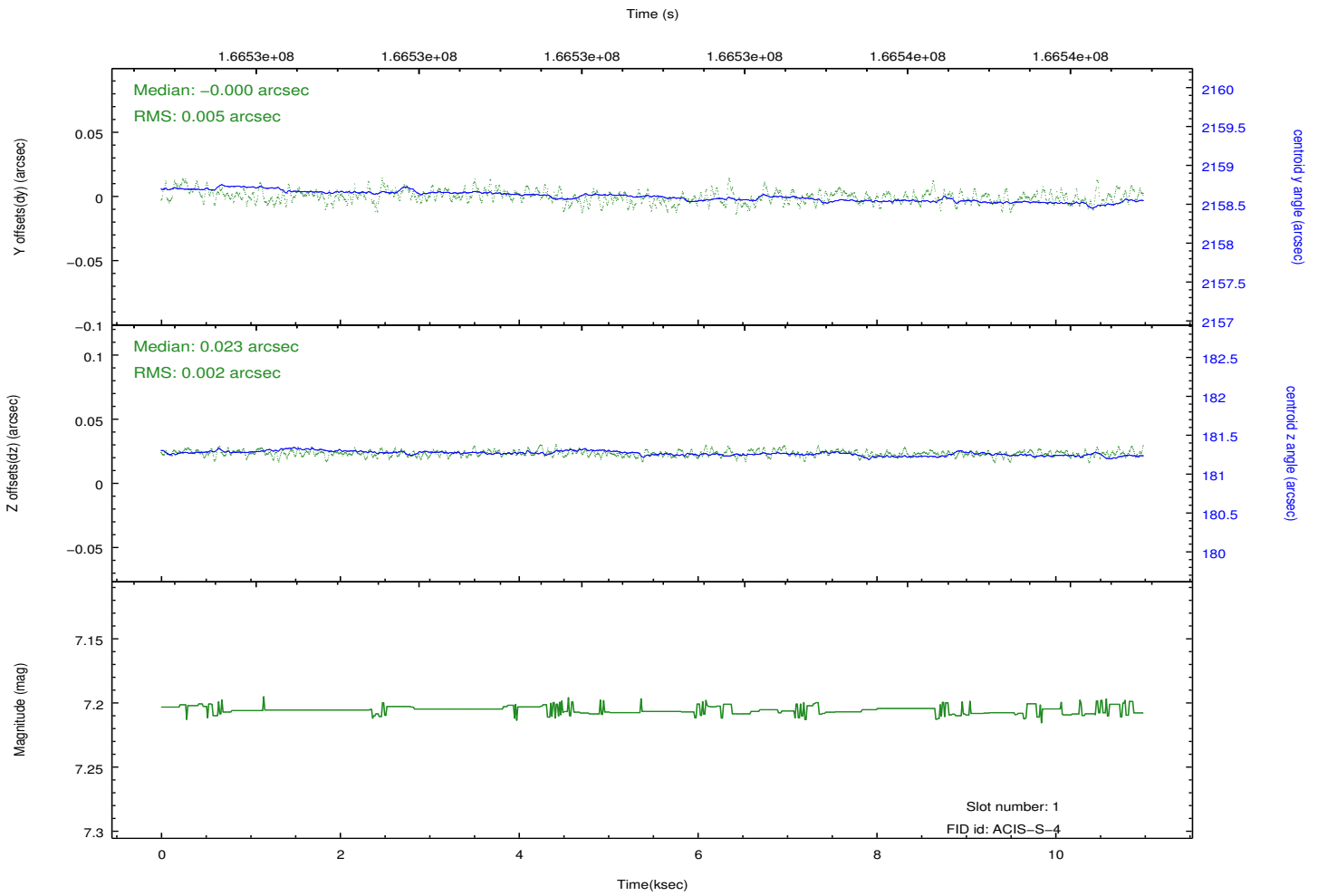
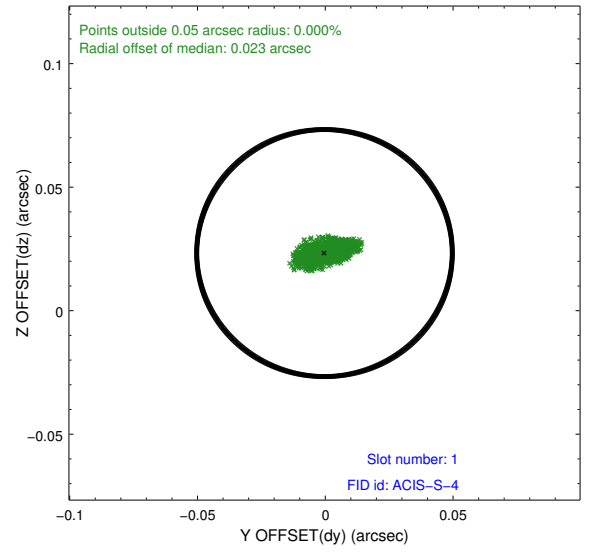
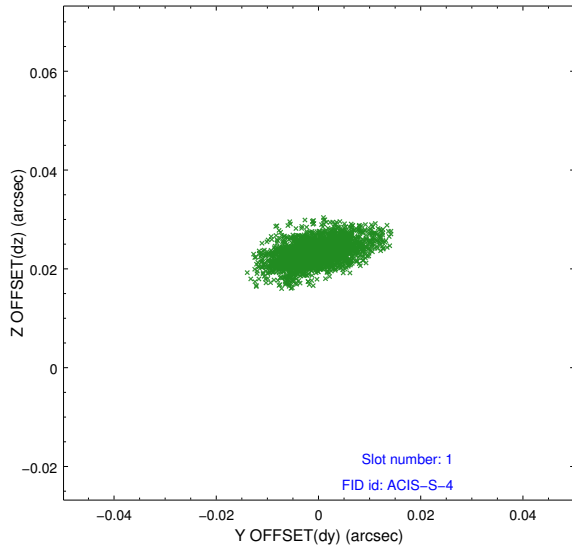


2.5 FID Slots

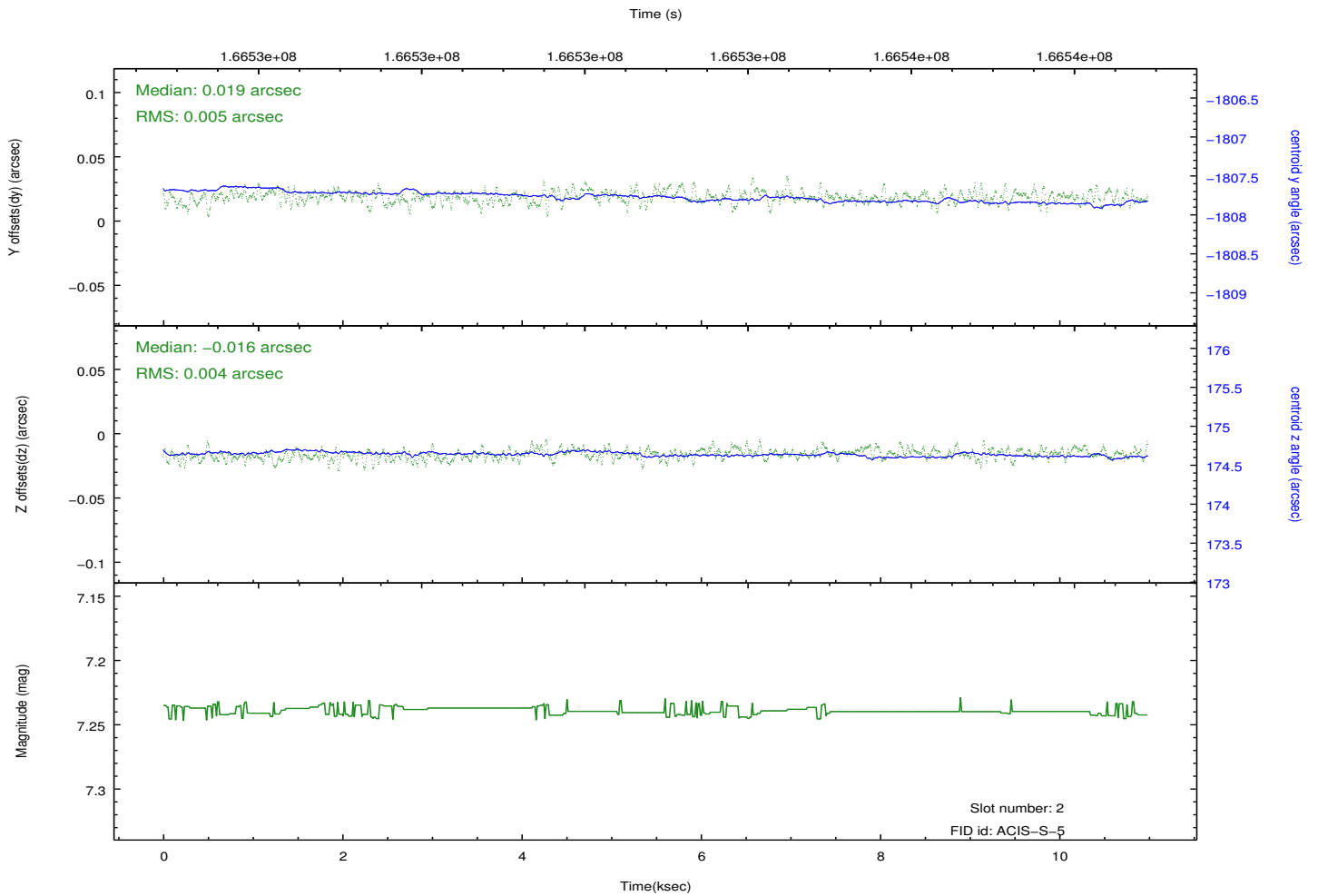
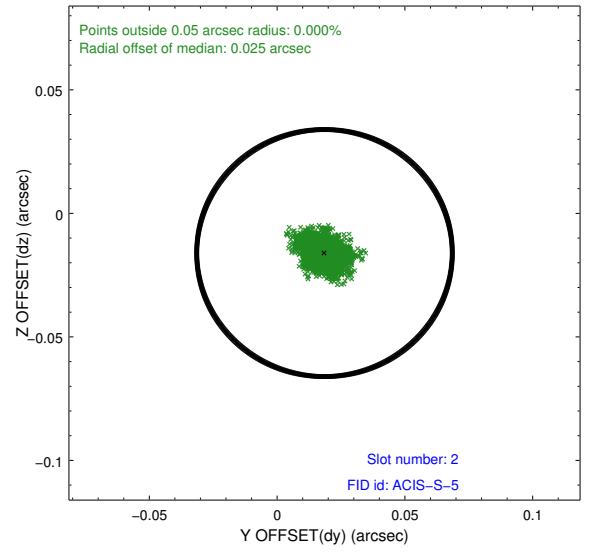
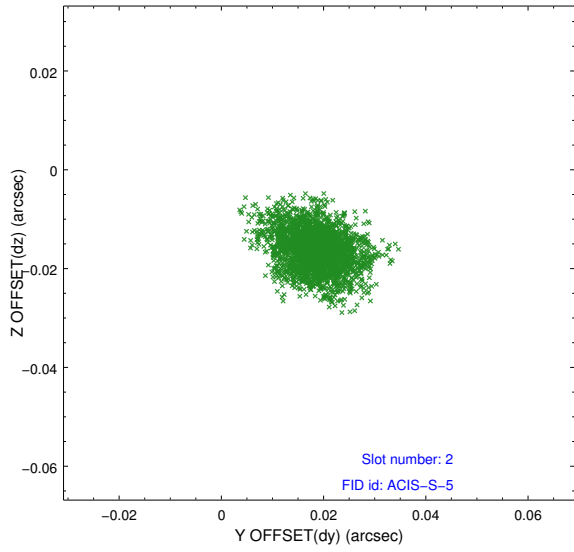
2.5.1 Slot 0



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)	2012.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.591

A.2 Comments