

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 18268 - L2 Version 1
Chandra X-Ray Center

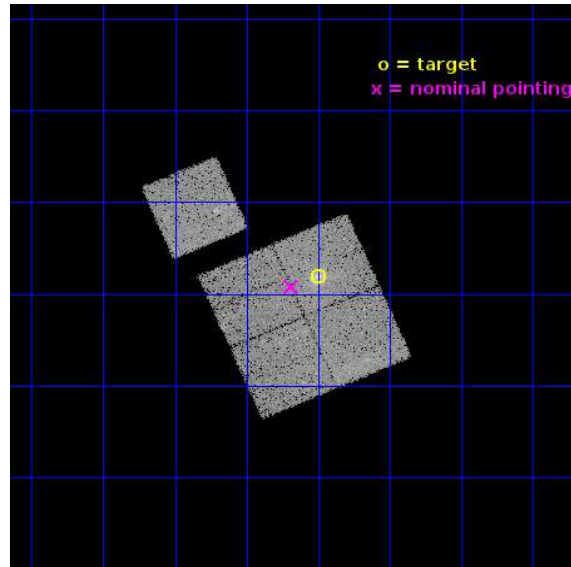
L2 Processing Date : Nov 29 2015

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1 Front

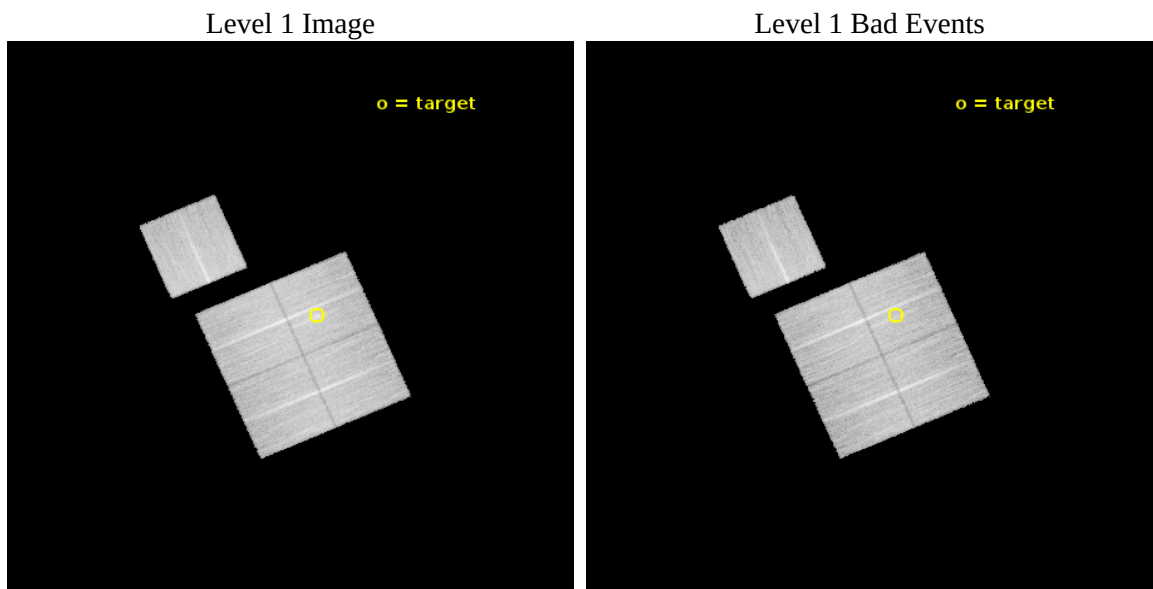
seq_num	801592	Sequence number
obs_id	18268	Observation id
title	Testing the effect of quasar-mode feedback on the intracluster medium	Proposal title
observer	Dr Matt Hilton	Principal investigator
object	ACT-CL J0320.4+0032	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	50.124167	Observer's specified target RA [deg]
dec_targ	0.531556	Observer's specified target Dec [deg]
ra_nom	50.171731895424	Nominal RA [deg]
dec_nom	0.51331849551838	Nominal Dec [deg]
roll_nom	336.50827451681	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25053.287171364	Sum of GTIs [s]
livetime	24725.947530508	Livetime [s]
ontime0	25056.305091619	Sum of GTIs [s]
ontime1	25056.346131563	Sum of GTIs [s]
ontime2	25056.387171626	Sum of GTIs [s]
ontime3	25053.287171364	Sum of GTIs [s]
ontime6	25053.122991562	Sum of GTIs [s]
l2events	72808	Number of level 2 events



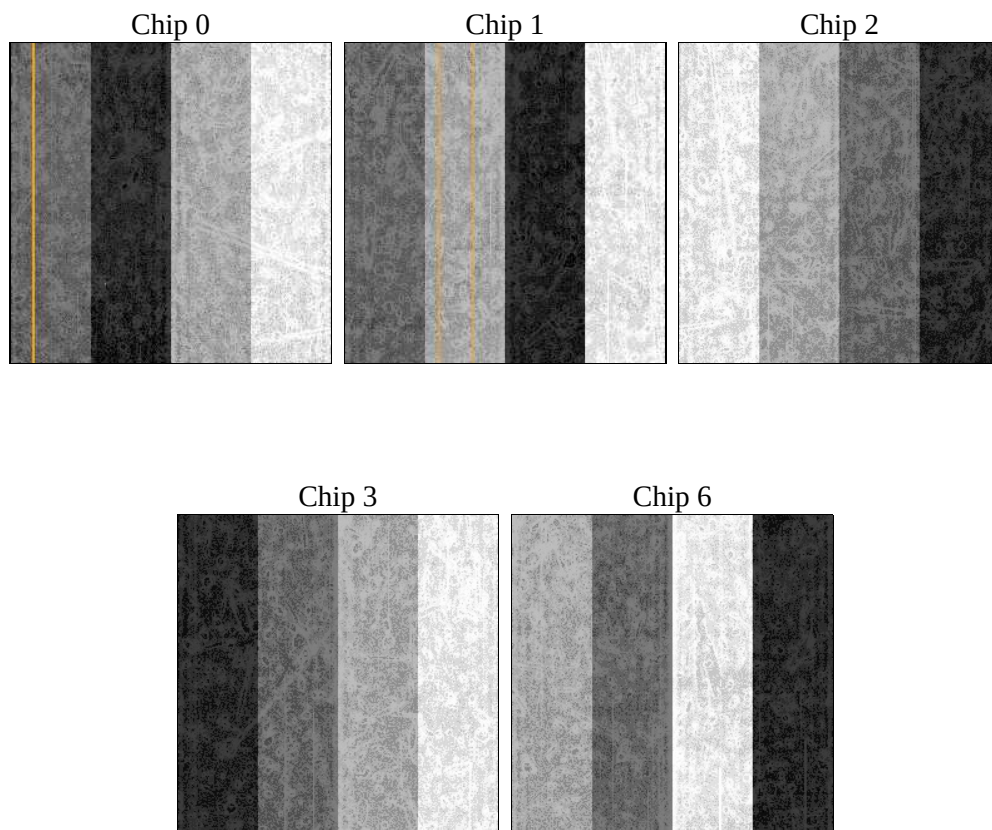
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	25053.287171364	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	25056.305091619	Sum of GTIs [s]
date	2015-11-29T19:42:59	Date and time of file creation	ontime1	25056.346131563	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	25056.387171626	Sum of GTIs [s]
			ontime3	25053.287171364	Sum of GTIs [s]
			ontime6	25053.122991562	Sum of GTIs [s]
			l1events	707165	Number of level 1 events

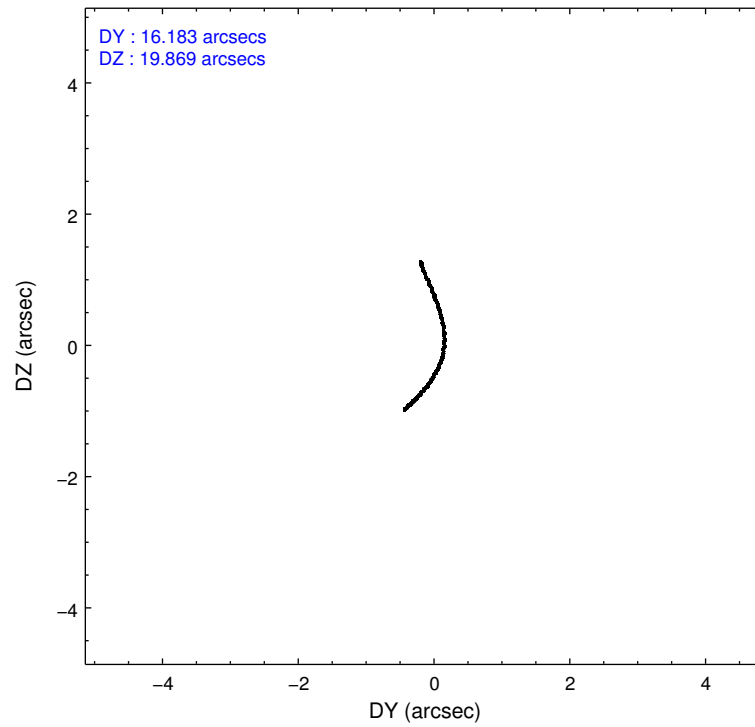
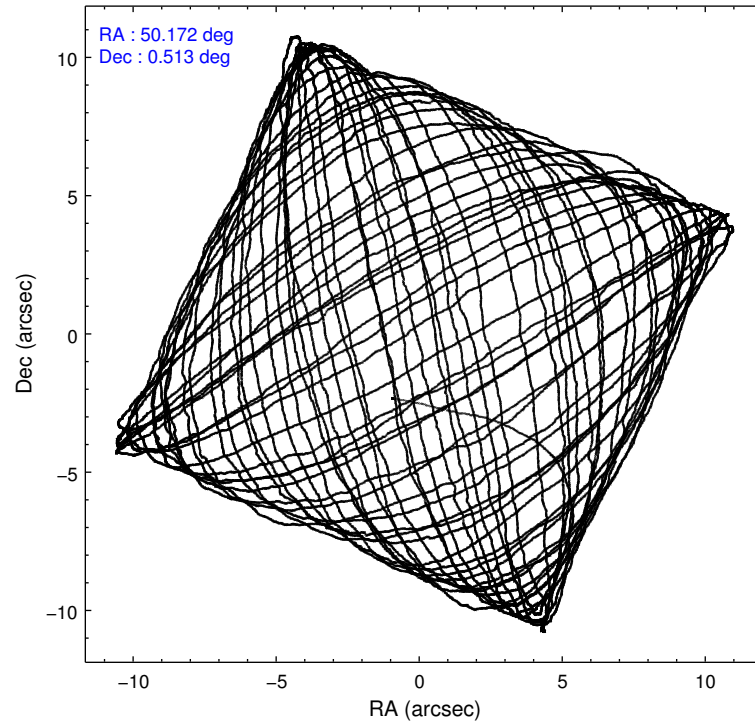
2.1.4 Events

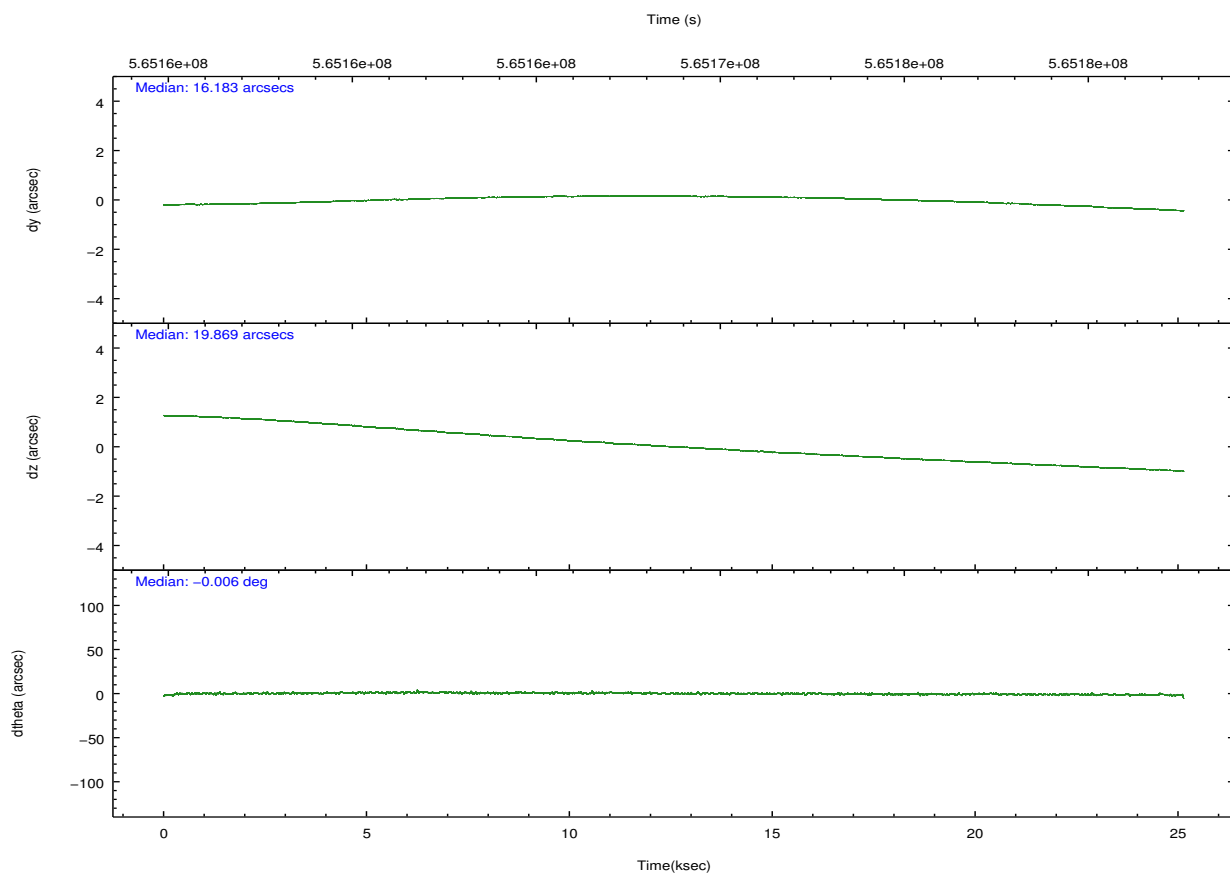
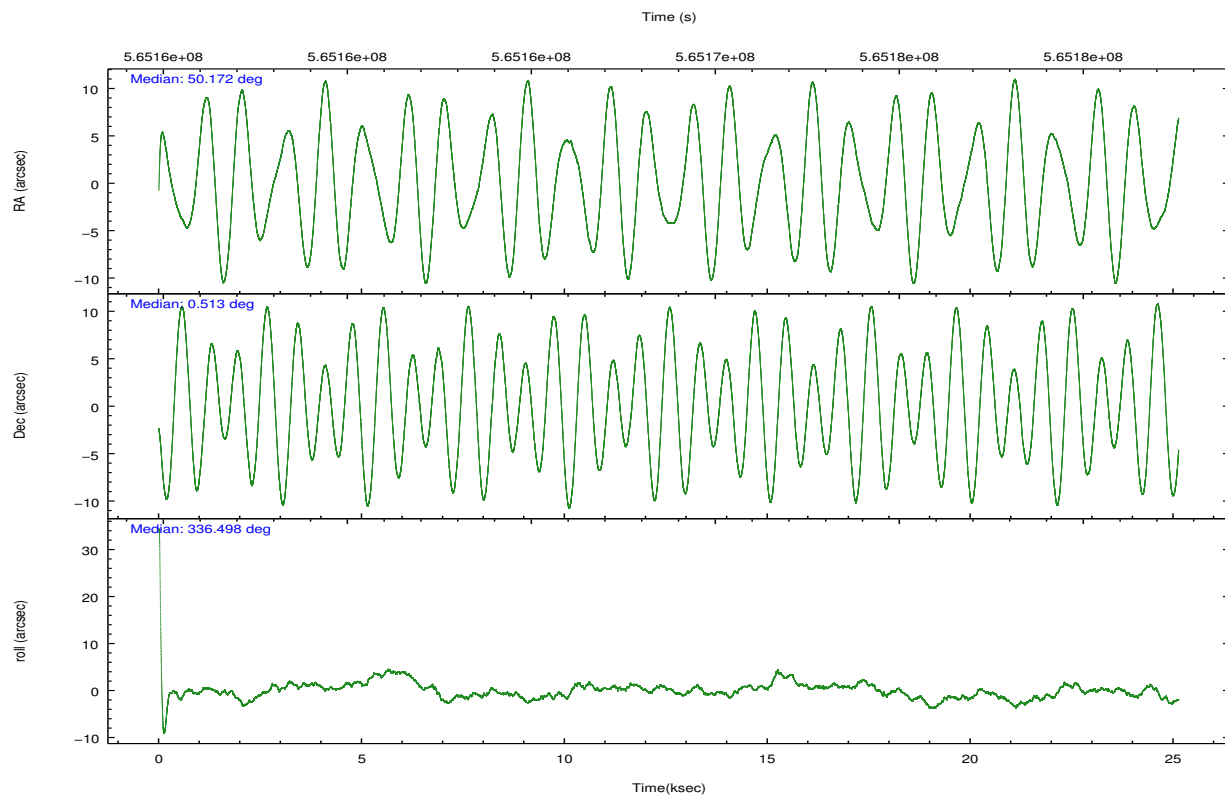
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	133669	134573	148737	143283	146903	grade 0 events	5628	6343	5735	7551	5661
rejected events	117130	116202	132733	125065	129963		4%	4%	3%	5%	3%
rejected %	87%	86%	89%	87%	88%	grade 1 events	82	66	90	99	73
							0%	0%	0%	0%	0%
						grade 2 events	4165	4429	4059	3705	3880
							3%	3%	2%	2%	2%
						grade 3 events	1751	1746	1482	1784	1718
							1%	1%	0%	1%	1%
						grade 4 events	1564	1857	1650	1853	1711
							1%	1%	1%	1%	1%
						grade 5 events	6523	6848	5923	7444	7103
							4%	5%	3%	5%	4%
						grade 6 events	3436	4005	3082	3330	3975
							2%	2%	2%	2%	2%
						grade 7 events	110520	109279	126716	117517	122782
							82%	81%	85%	82%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	50.144321	50.17173189542358	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.510104	0.5133184955183834	Alternating exposures requested	N	N
[deg] Pointing Roll	336.299810	336.5082745168069	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-225.792463	-225.7829997647864			
[mm] SIM translation stage offset	-7.8	-7.809453238143249			
[s] Observation start time (MET)	565156300.184000	565155021.26643			
Observation start date	2015-11-29T03:50:32	2015-11-29T03:30:21			
[s] Observation end time (MET)	565181300.184000	565182014.13046			
Observation end date	2015-11-29T10:47:12	2015-11-29T11:00:14			
Read mode	TIMED	TIMED			

2.3 Aspect



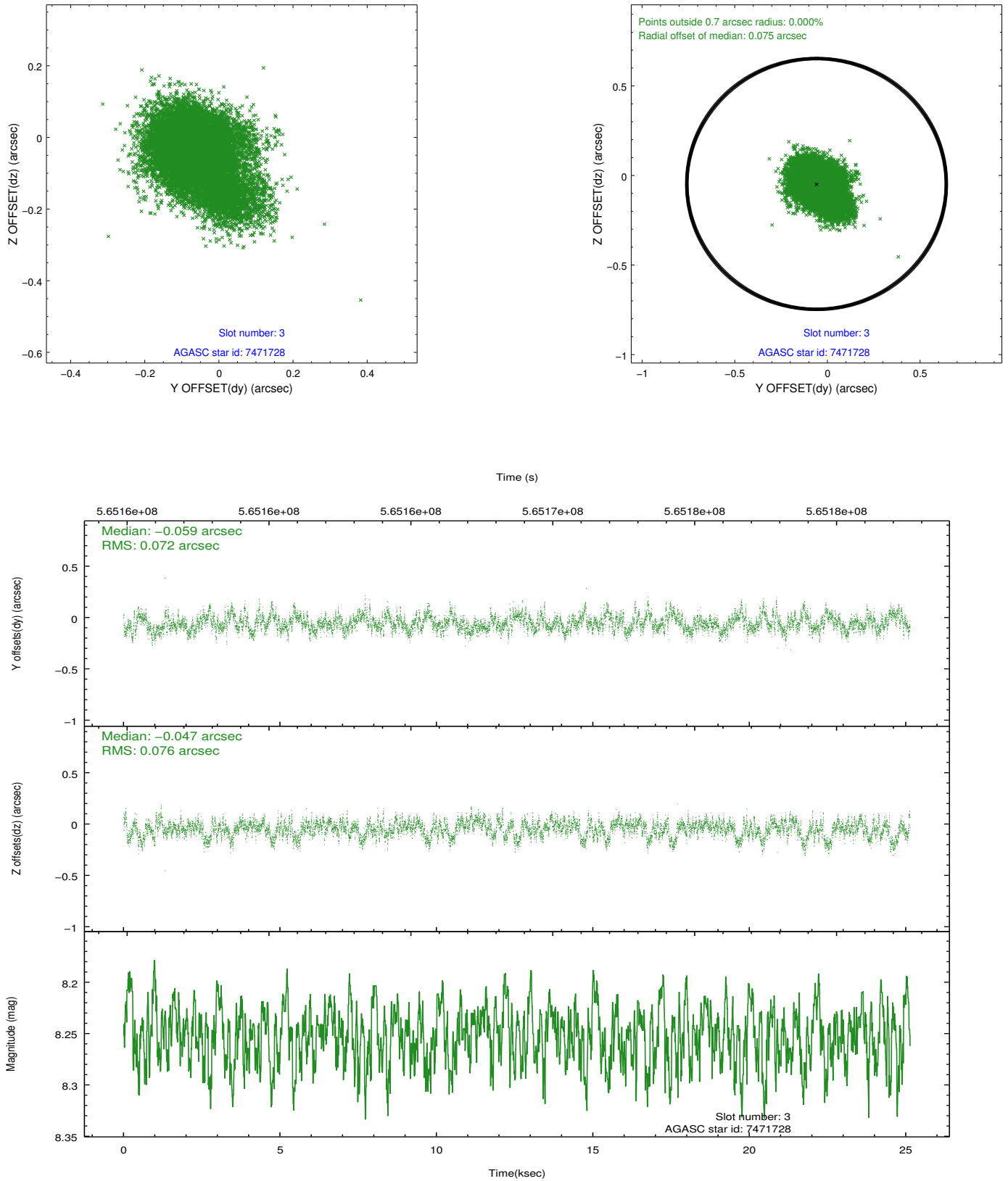


Slot Statistics

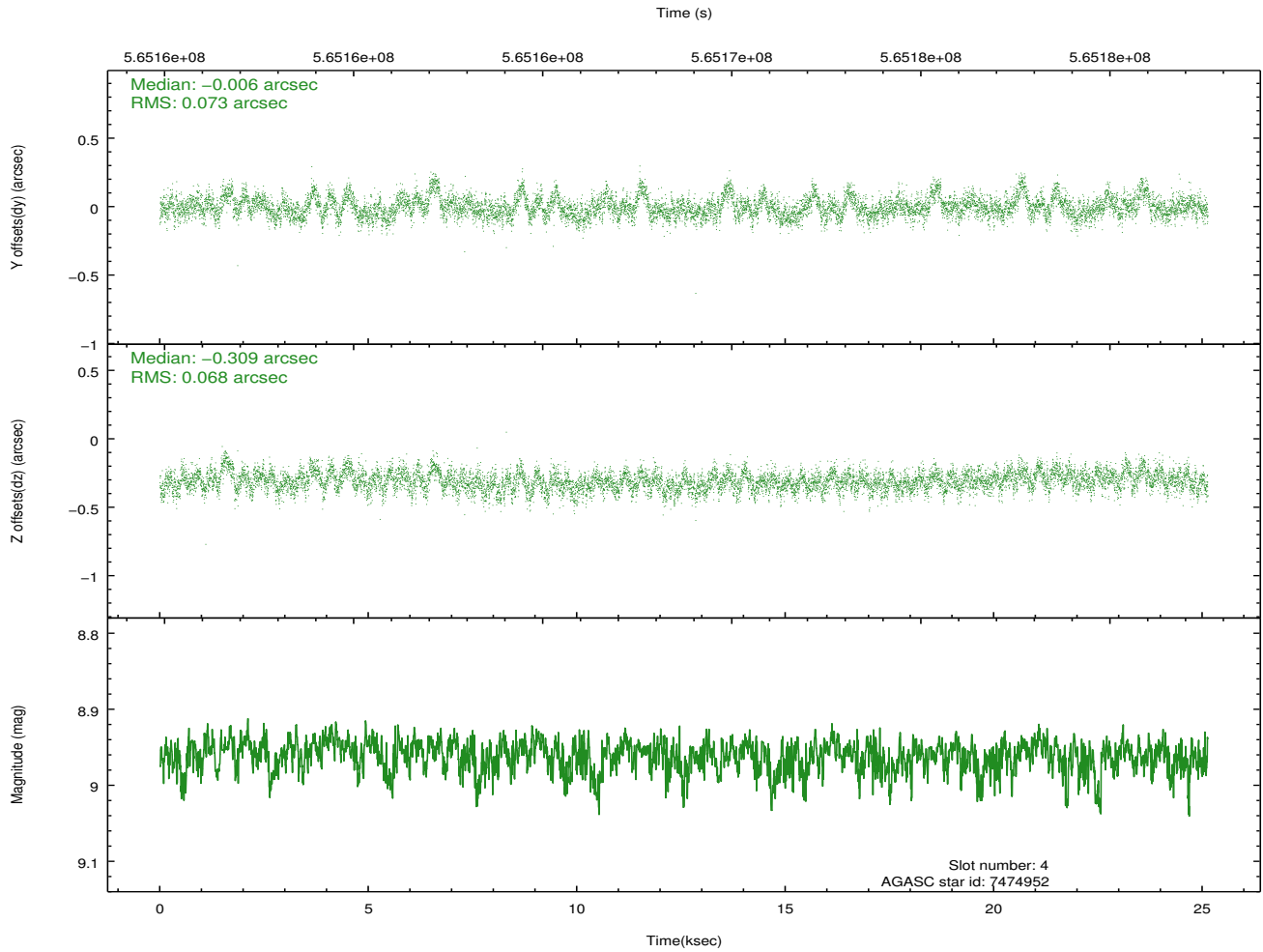
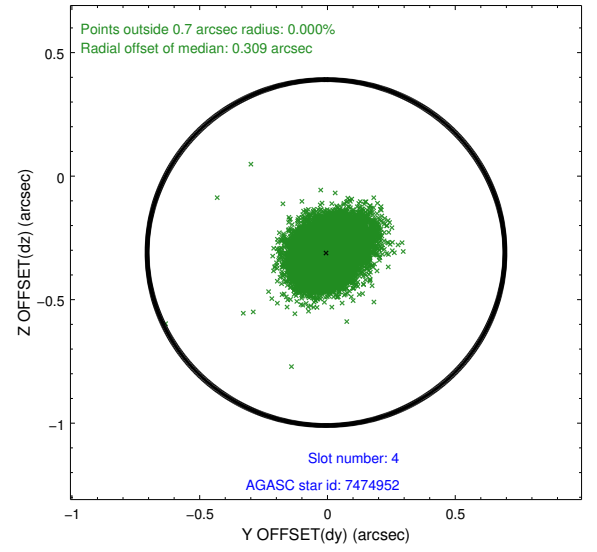
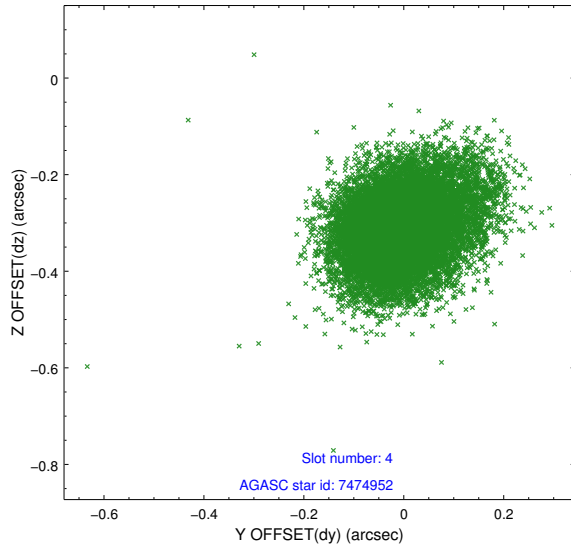
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.24	6130	0.099	-0.188	0.012	0.022	0.000000	0.000000	923.30	-1004.11
1	FID		ACIS-I-4	7.13	6130	0.207	0.107	0.010	0.016	0.000000	0.000000	2142.94	896.96
2	FID		ACIS-I-5	7.25	6130	-0.405	0.152	0.009	0.016	0.000000	0.000000	-1825.18	893.74
3	GUIDE	used	7471728	8.25	12253	-0.059	-0.047	0.109	0.187	50.301814	0.547551	466.16	352.01
4	GUIDE	used	7474952	8.96	12260	-0.006	-0.309	0.105	0.175	50.914258	0.739806	2205.58	1871.60
5	GUIDE	used	7478112	8.50	12259	0.021	-0.063	0.103	0.168	50.252997	1.084278	-472.68	2049.40
6	GUIDE	used	617223024	8.47	12257	0.191	0.289	0.102	0.164	50.185855	-0.169404	1121.22	-2179.14
7	GUIDE	used	7471888	7.77	12259	-0.155	0.133	0.085	0.141	50.302431	0.059105	1174.49	-1258.11

2.4 Star Slots

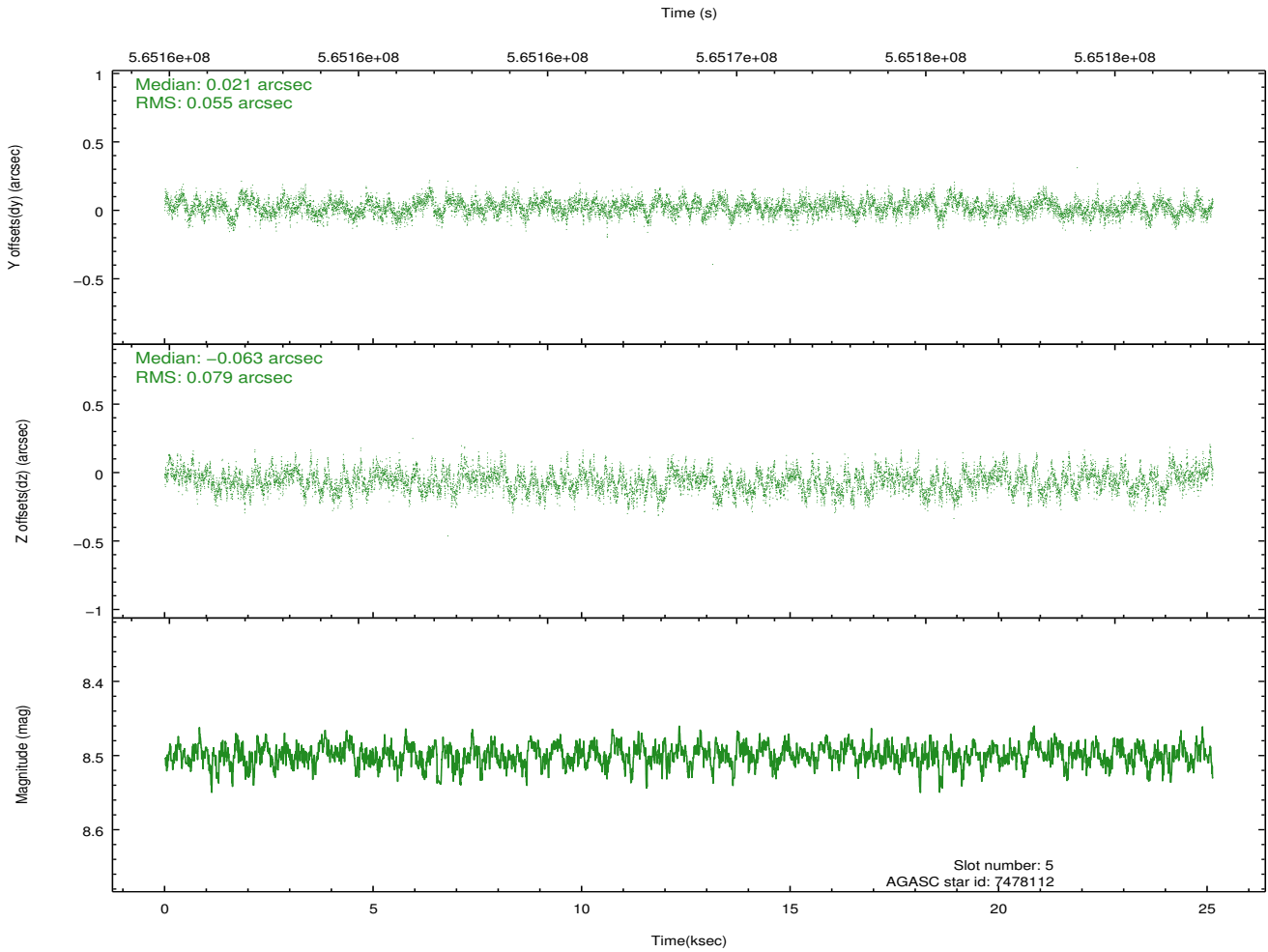
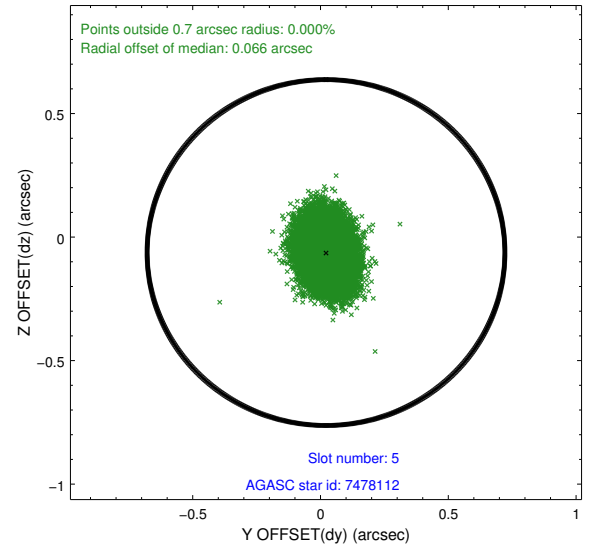
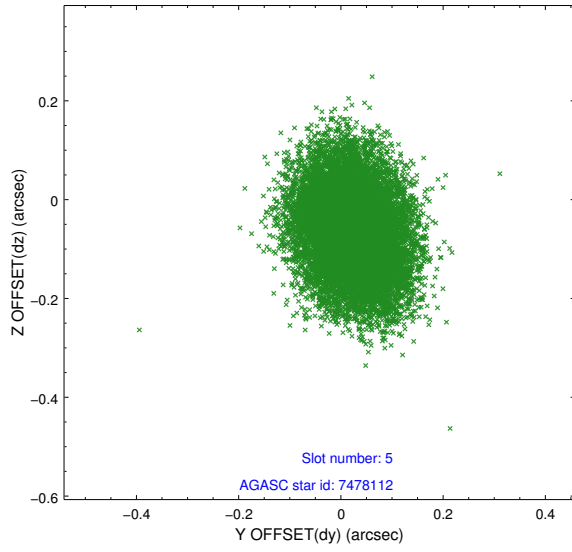
2.4.1 Slot 3



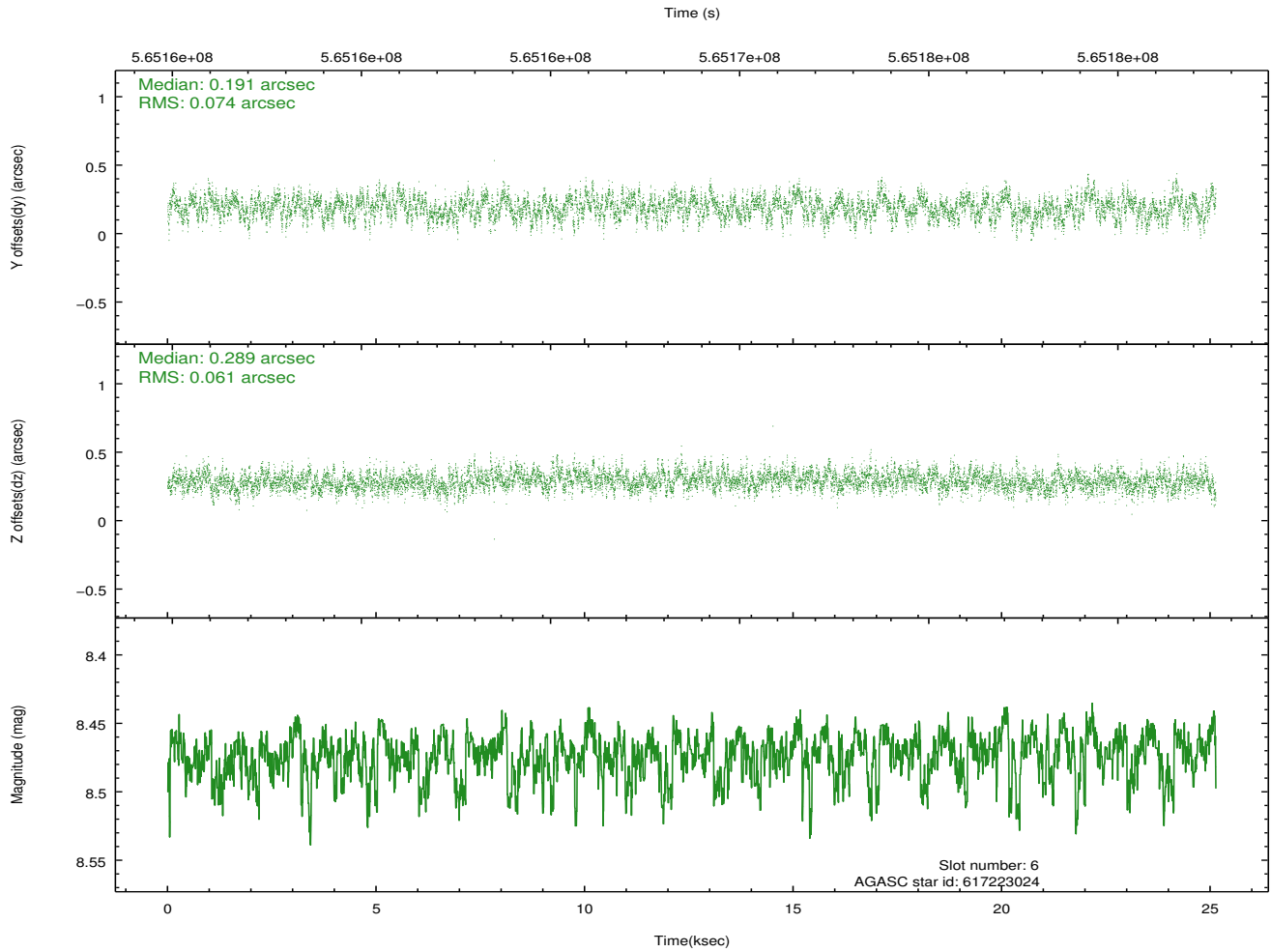
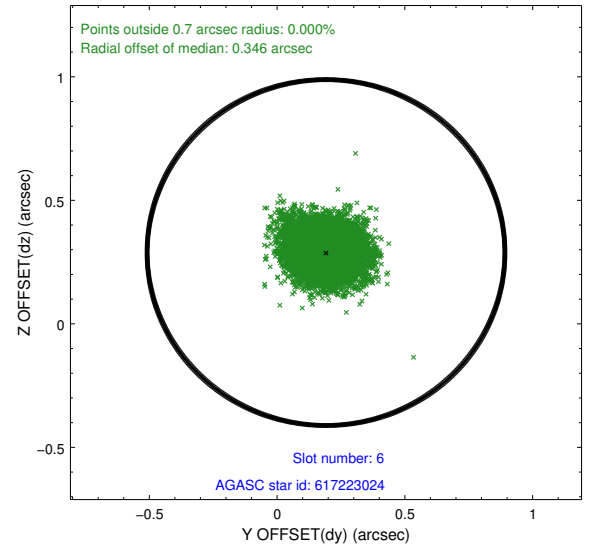
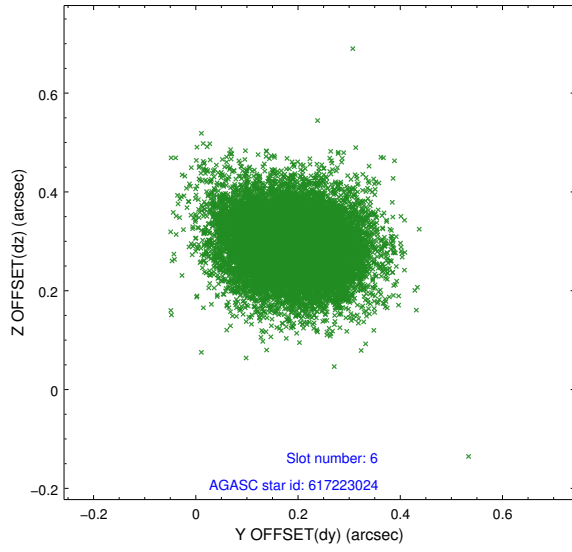
2.4.2 Slot 4



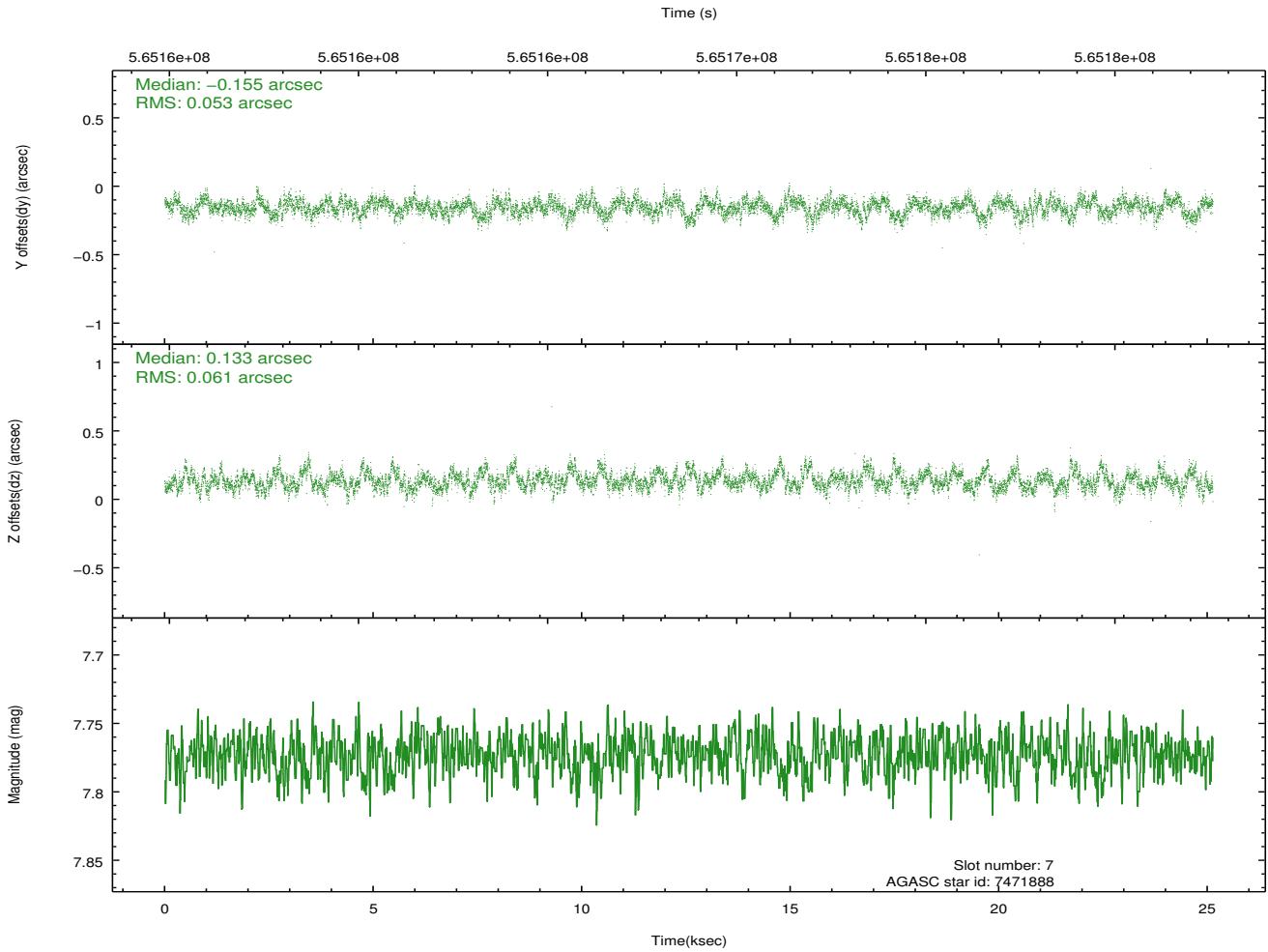
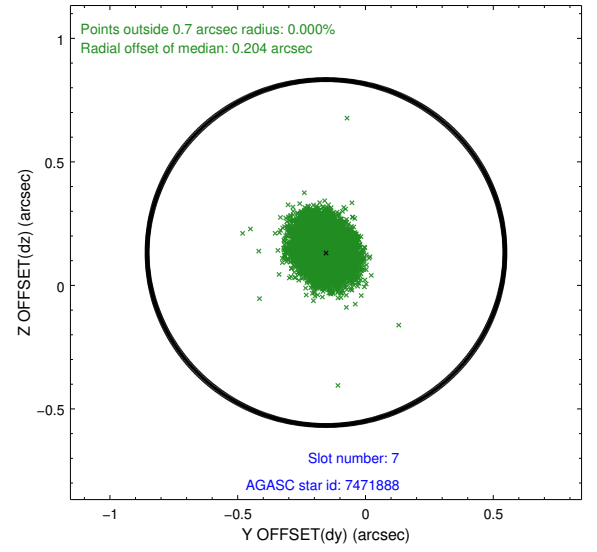
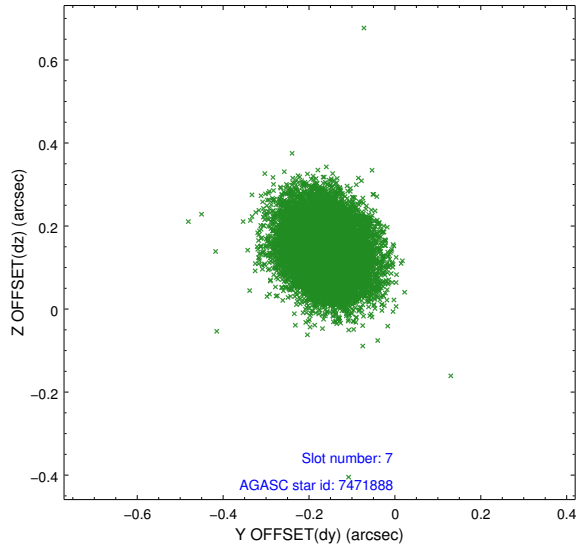
2.4.3 Slot 5



2.4.4 Slot 6

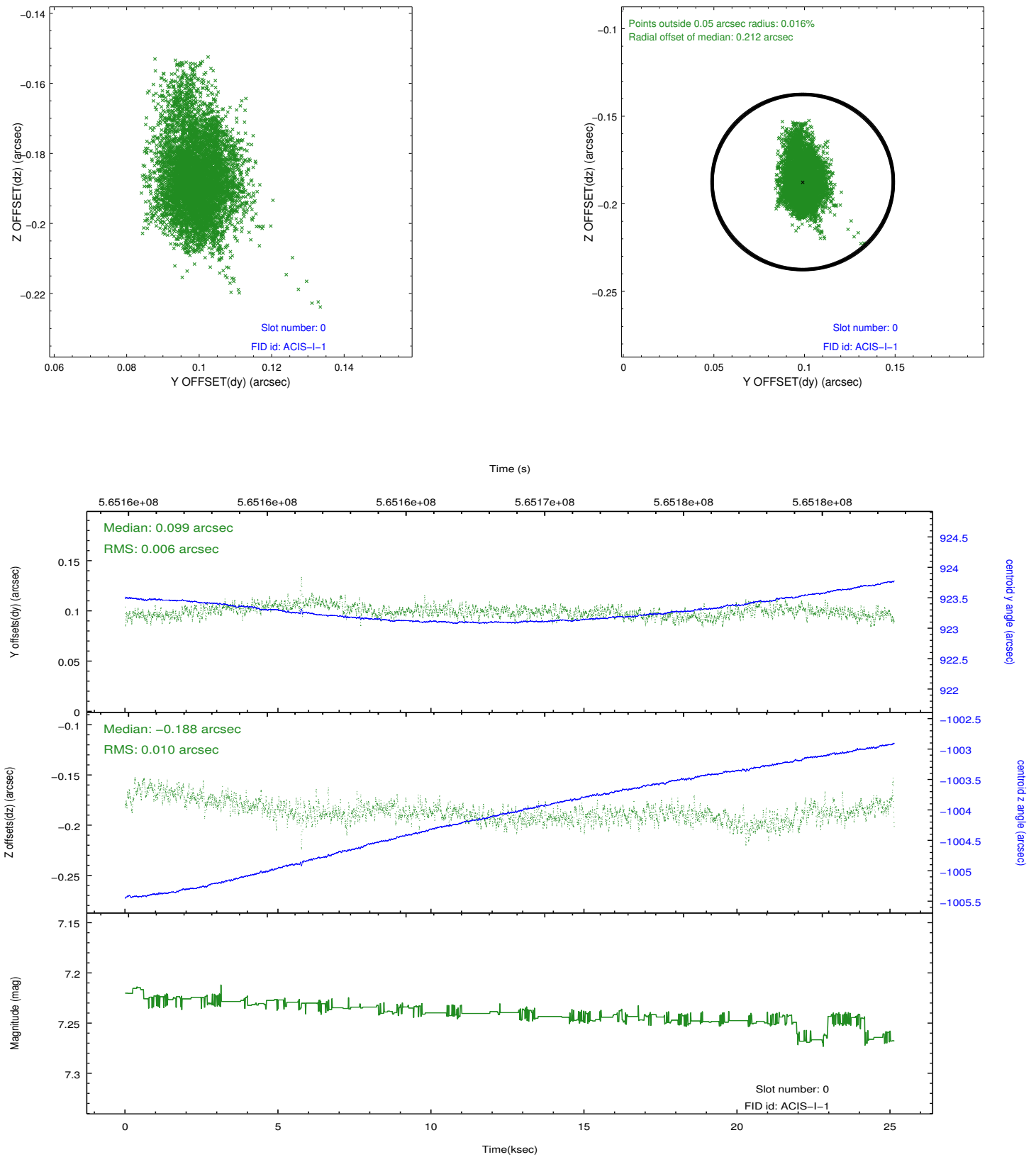


2.4.5 Slot 7

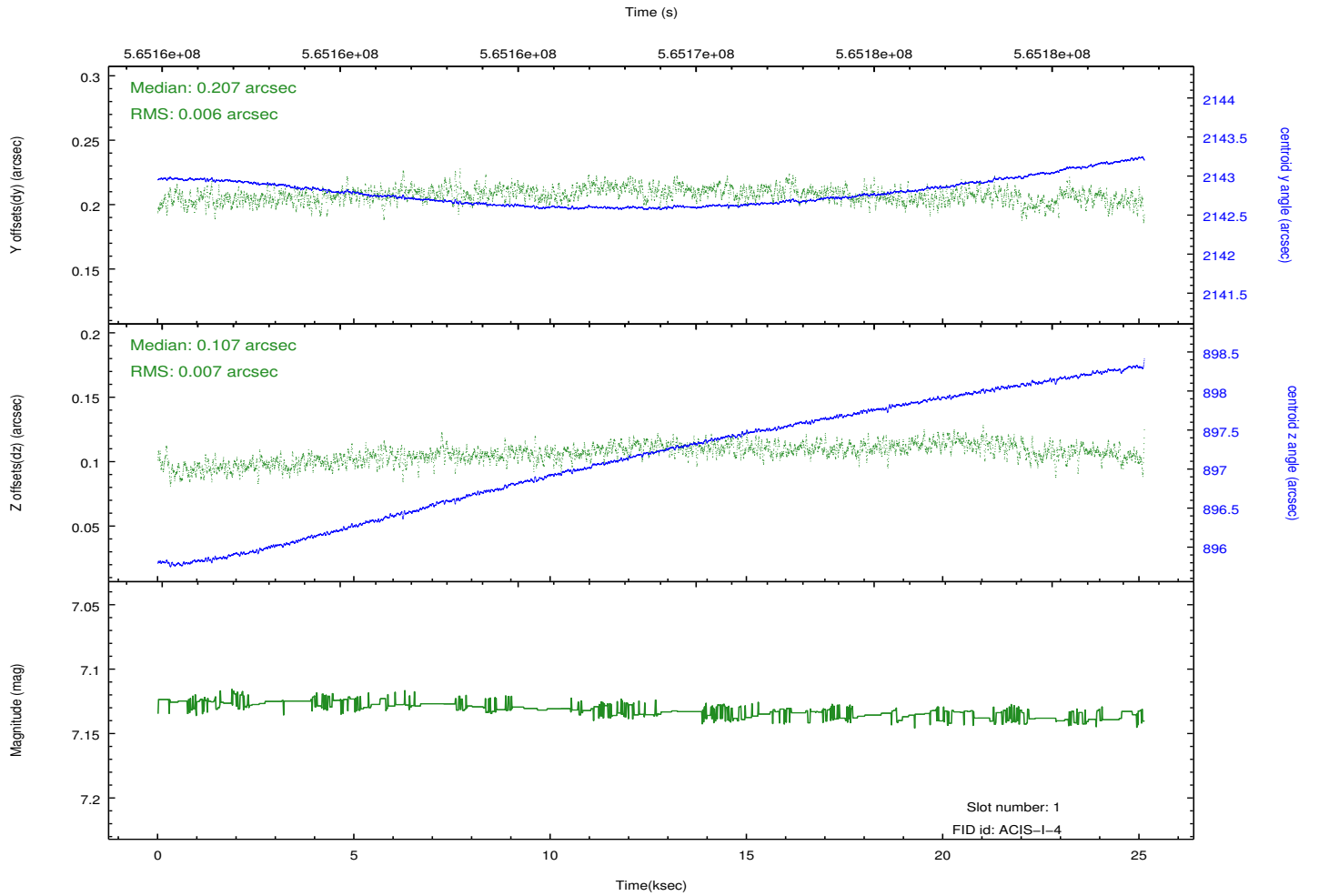
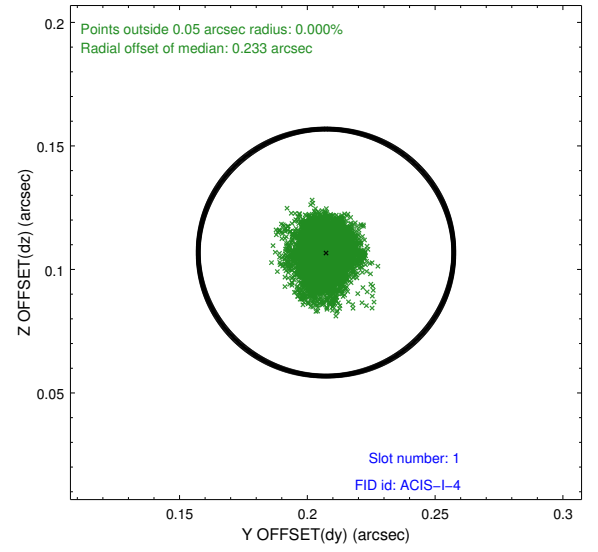
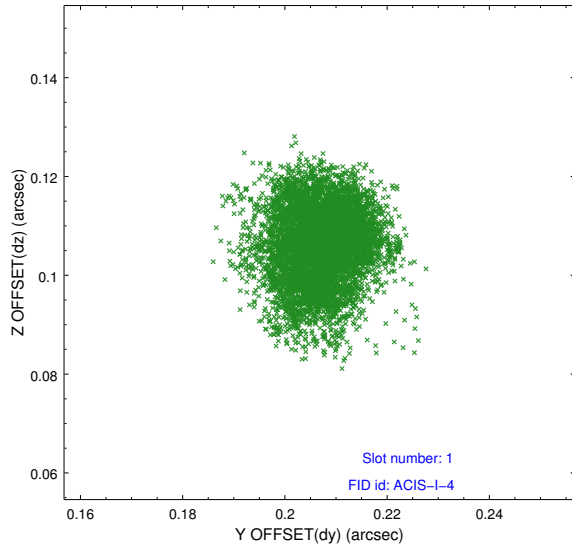


2.5 FID Slots

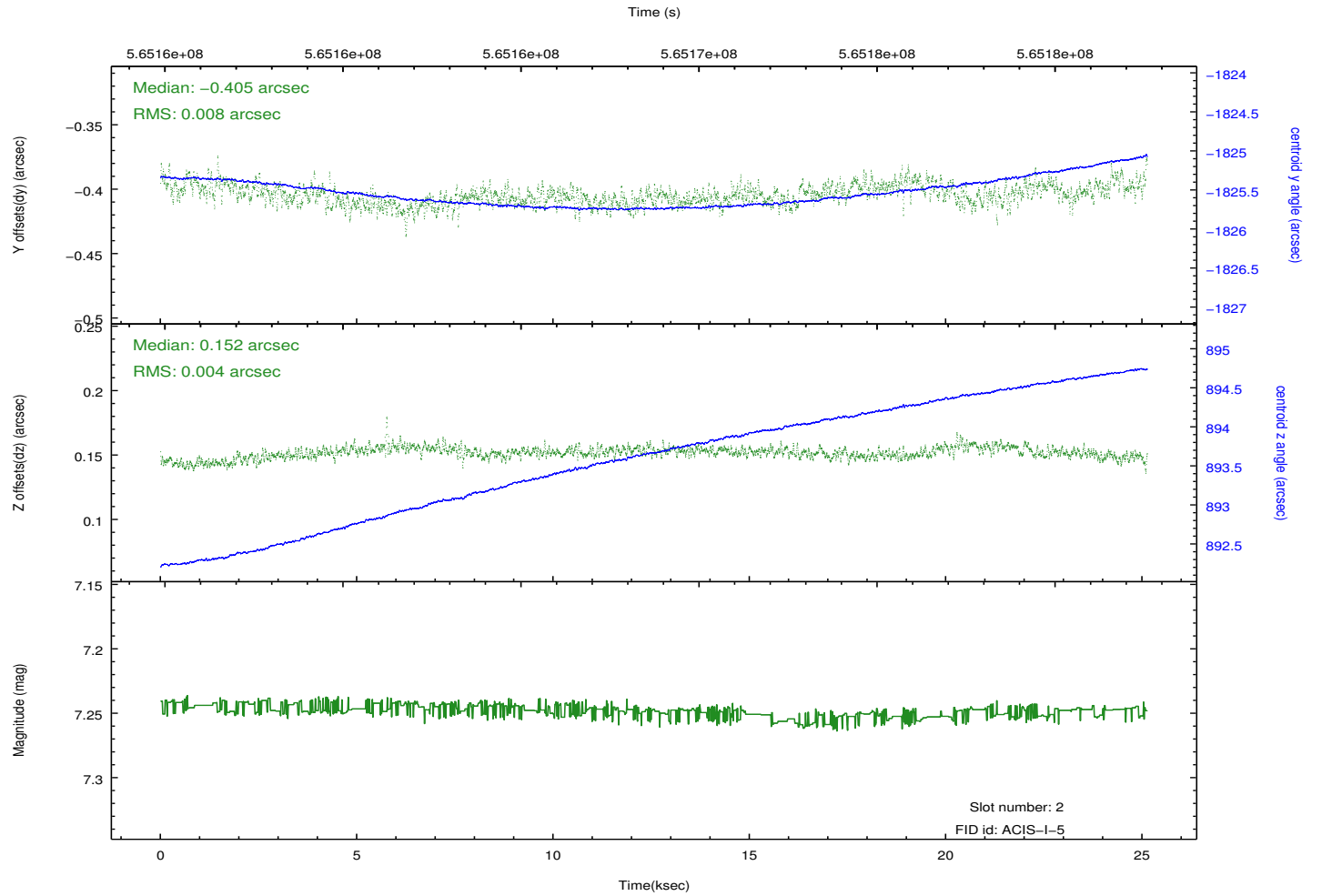
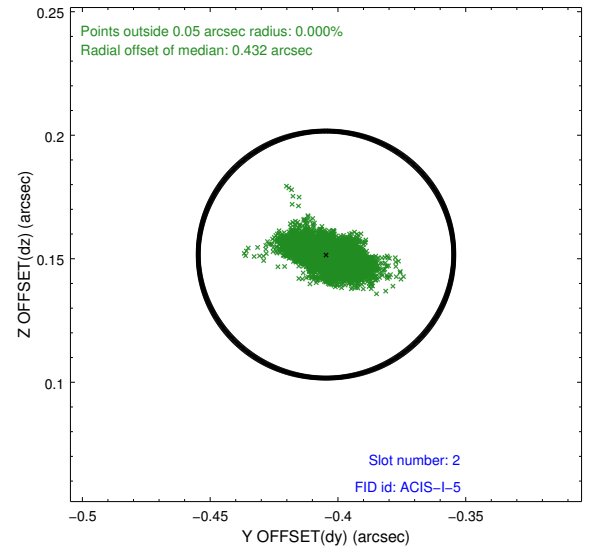
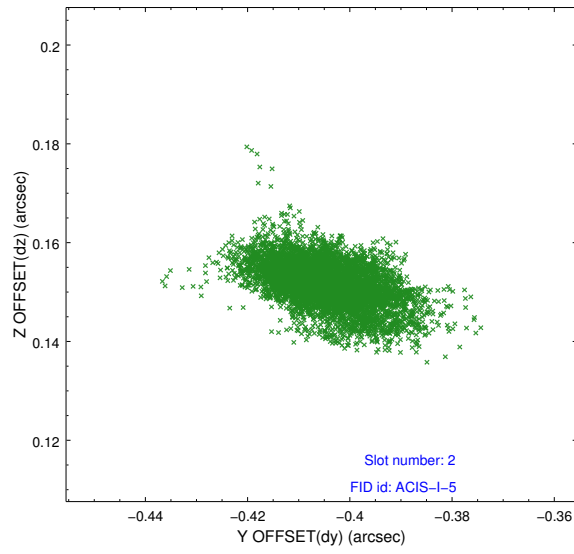
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.053287171364

A.2 Comments