

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9442 - L2 Version 2
Chandra X-Ray Center

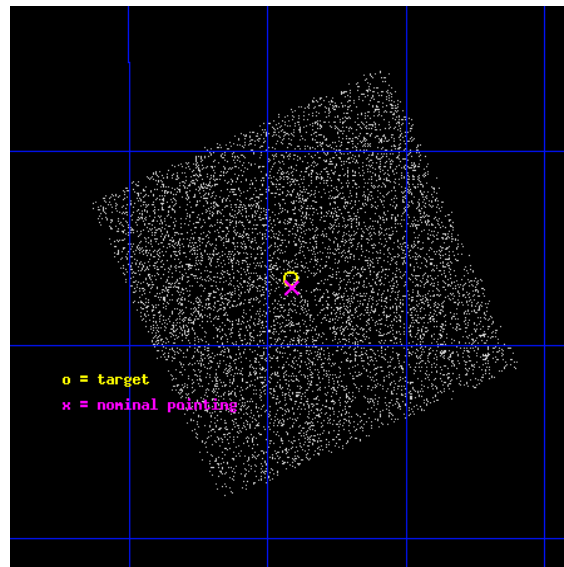
L2 Processing Date : May 17 2012

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1 Front

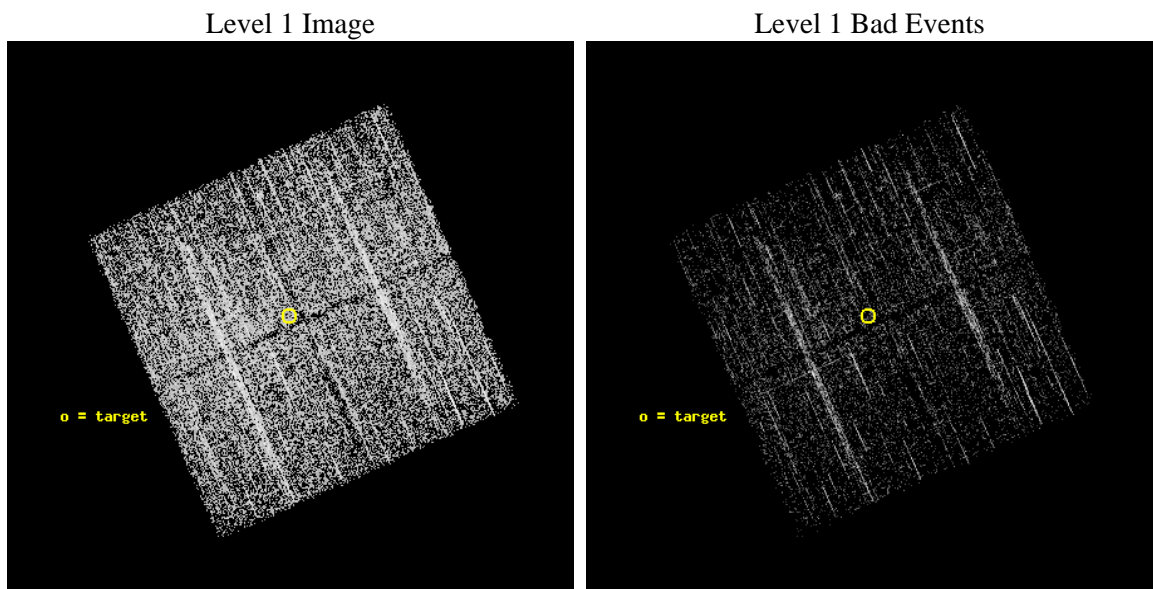
seq_num	900788	Sequence number
obs_id	9442	Observation id
title	Comparing the emission from an unbiased AGN sample with the X-ray background	Proposal title
observer	Dr Roland Walter	Principal investigator
object	LEDA 183026	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	181.729167	Observer's specified target RA [deg]
dec_targ	-14.776111	Observer's specified target Dec [deg]
ra_nom	181.72820991261	Nominal RA [deg]
dec_nom	-14.784122227405	Nominal Dec [deg]
roll_nom	245.94451933367	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2154.5000165701	Sum of GTIs [s]
livetime	2126.3498877338	Livetime [s]
ontime0	2154.5000165701	Sum of GTIs [s]
ontime1	2154.5000165701	Sum of GTIs [s]
ontime2	2154.5000165701	Sum of GTIs [s]
ontime3	2154.5000165701	Sum of GTIs [s]
l2events	8729	Number of level 2 events



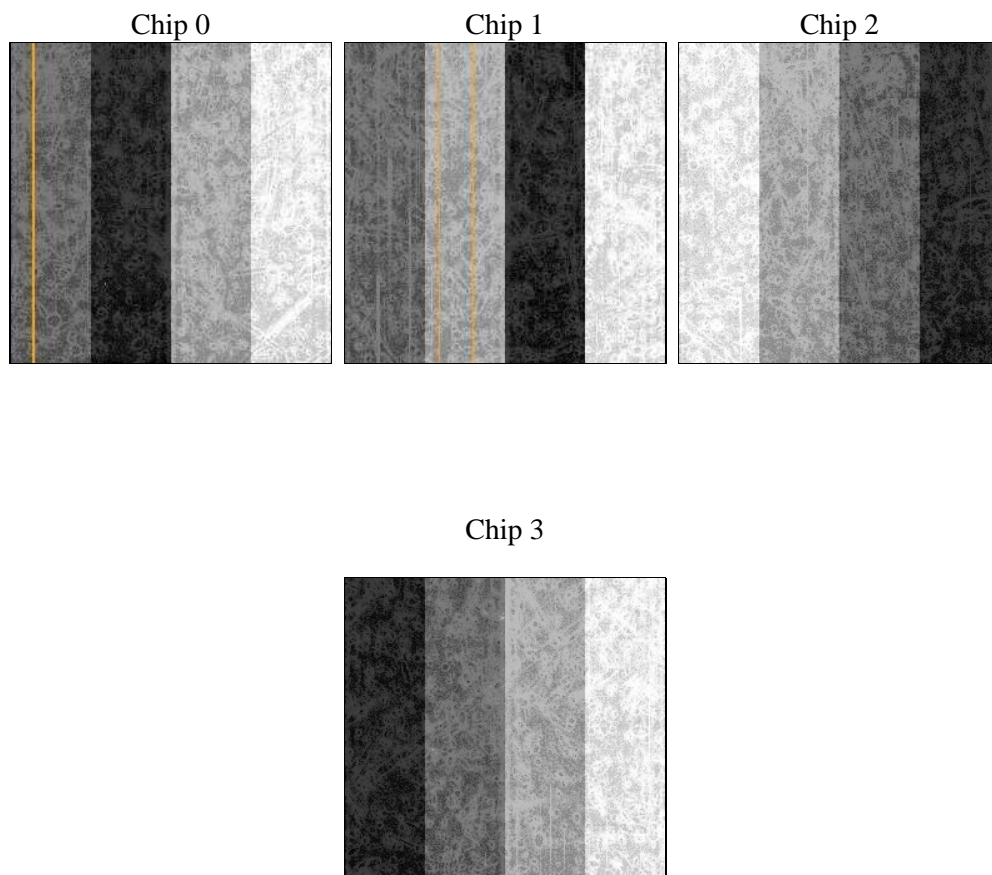
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2154.5000165701	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2154.5000165701	Sum of GTIs [s]
date	2012-05-17T03:51:49	Date and time of file creation	ontime1	2154.5000165701	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2154.5000165701	Sum of GTIs [s]
			ontime3	2154.5000165701	Sum of GTIs [s]
			l1events	91963	Number of level 1 events

2.1.4 Events

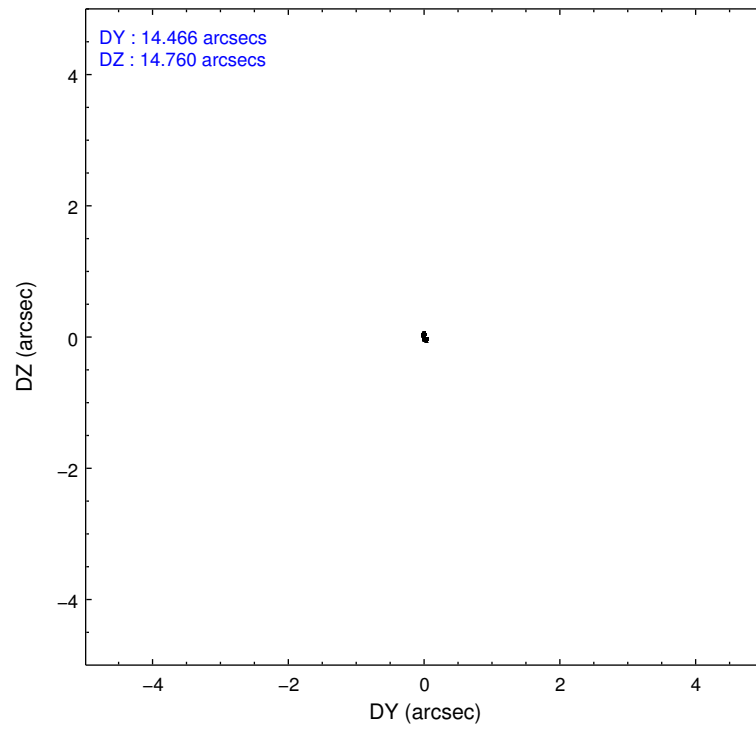
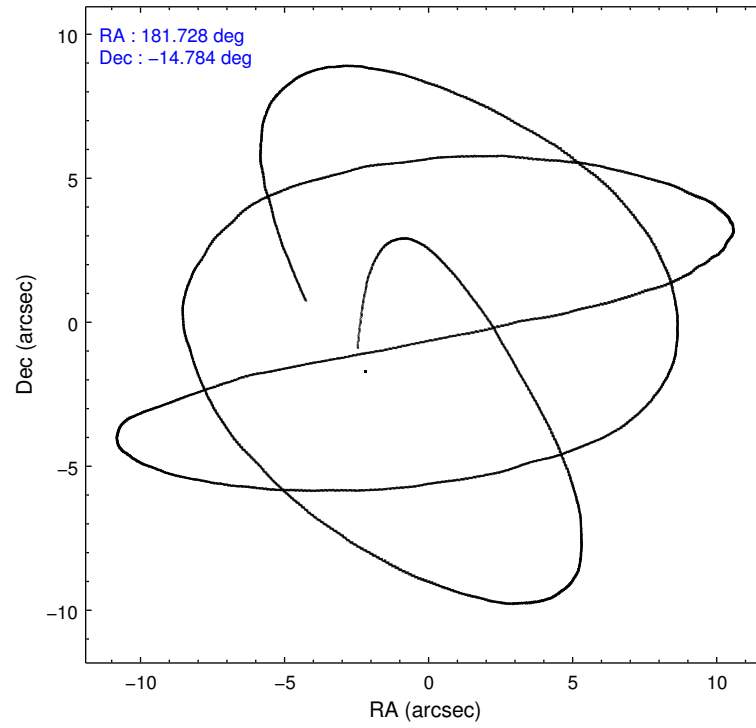
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	22027	23202	22895	23839
rejected events	19428	20570	20454	21270
rejected %	88%	88%	89%	89%

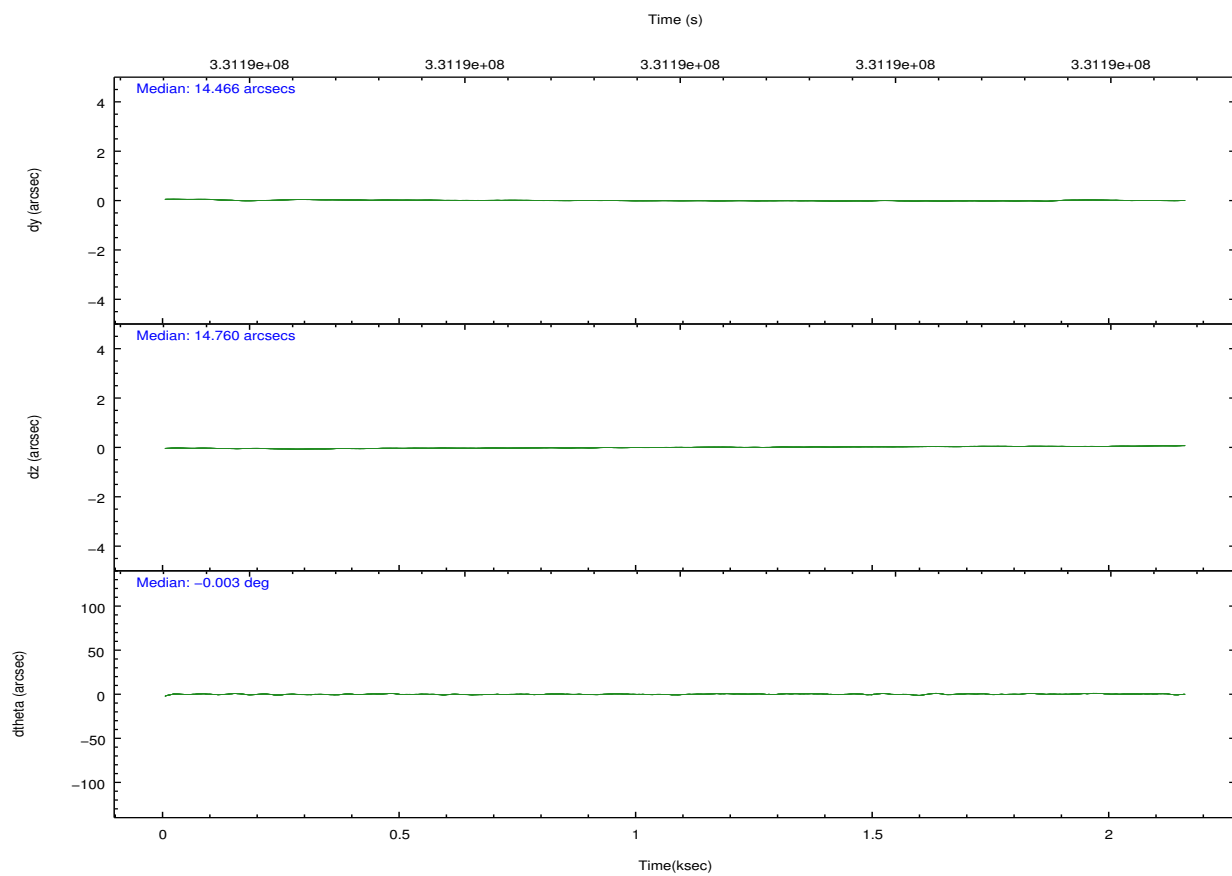
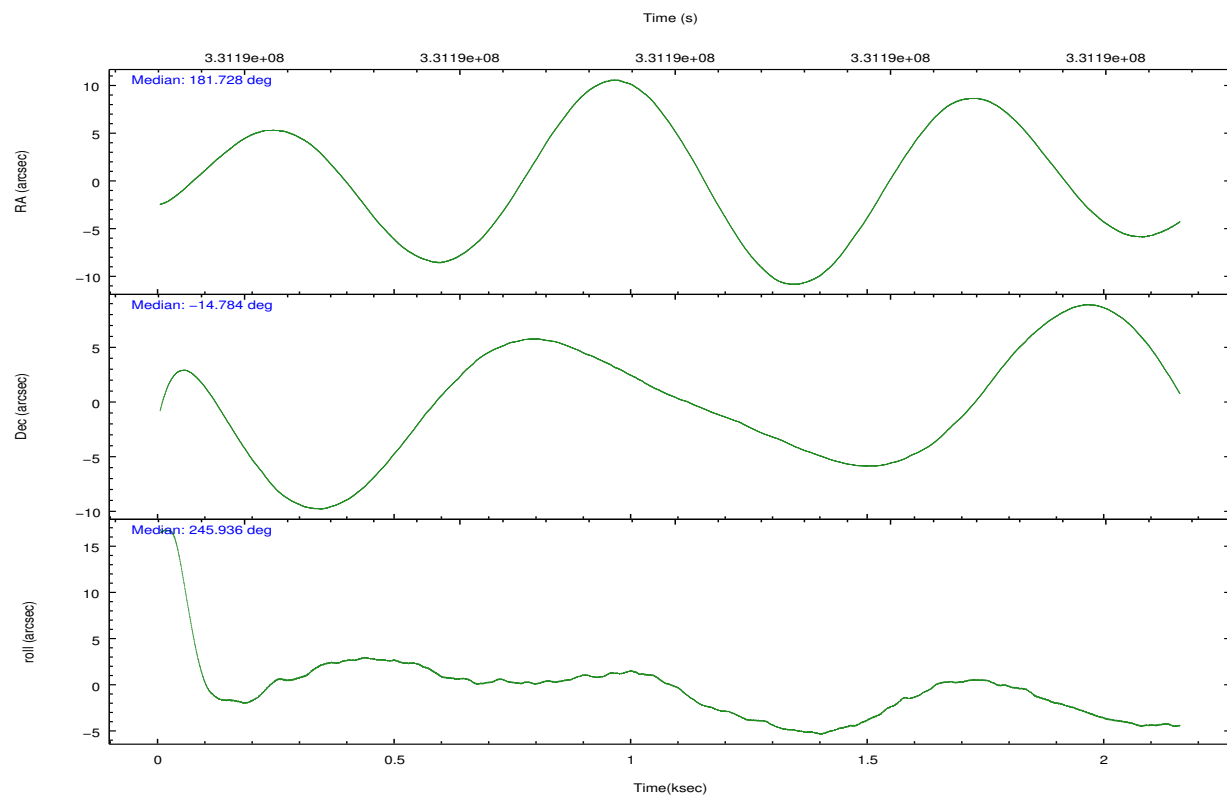
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1277	1124	1186	1235
	5%	4%	5%	5%
grade 1 events	16	23	16	15
	0%	0%	0%	0%
grade 2 events	663	664	611	563
	3%	2%	2%	2%
grade 3 events	251	317	260	286
	1%	1%	1%	1%
grade 4 events	246	291	246	304
	1%	1%	1%	1%
grade 5 events	994	1038	949	1100
	4%	4%	4%	4%
grade 6 events	472	613	503	513
	2%	2%	2%	2%
grade 7 events	18108	19132	19124	19823
	82%	82%	83%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	181.725123	181.7282099126083	Subarray requested	NONE	NONE
[deg] Pointing Dec	-14.756798	-14.78412222740467	Alternating exposures requested	N	N
[deg] Pointing Roll	245.734929	245.9445193336743	[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	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	331190562.184000	331189504.18975			
Observation start date	2008-06-30T05:21:37	2008-06-30T05:05:04			
[s] Observation end time (MET)	331192562.184000	331193837.37746			
Observation end date	2008-06-30T05:54:57	2008-06-30T06:17:17			
Read mode	TIMED	TIMED			

2.3 Aspect



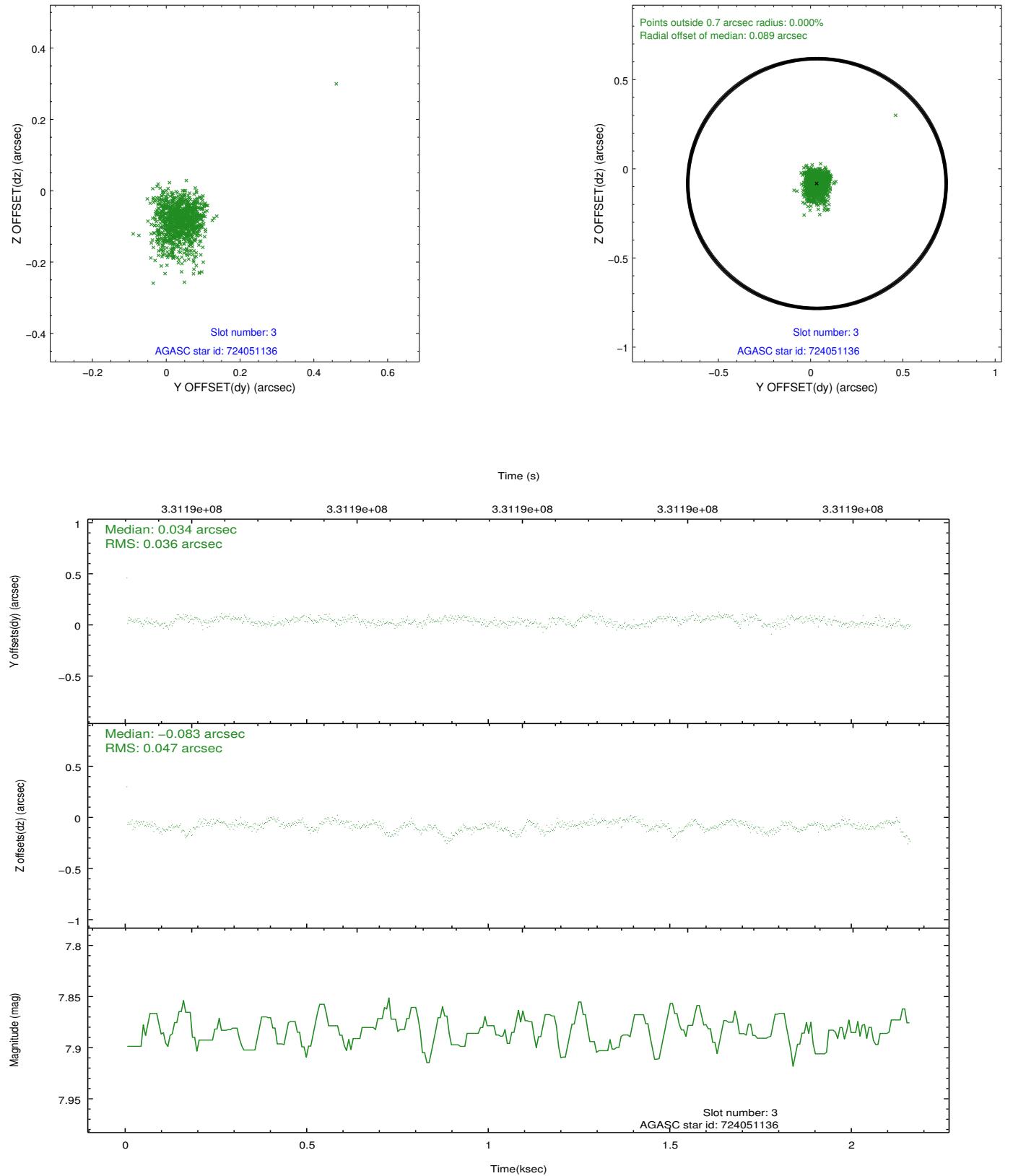


Slot Statistics

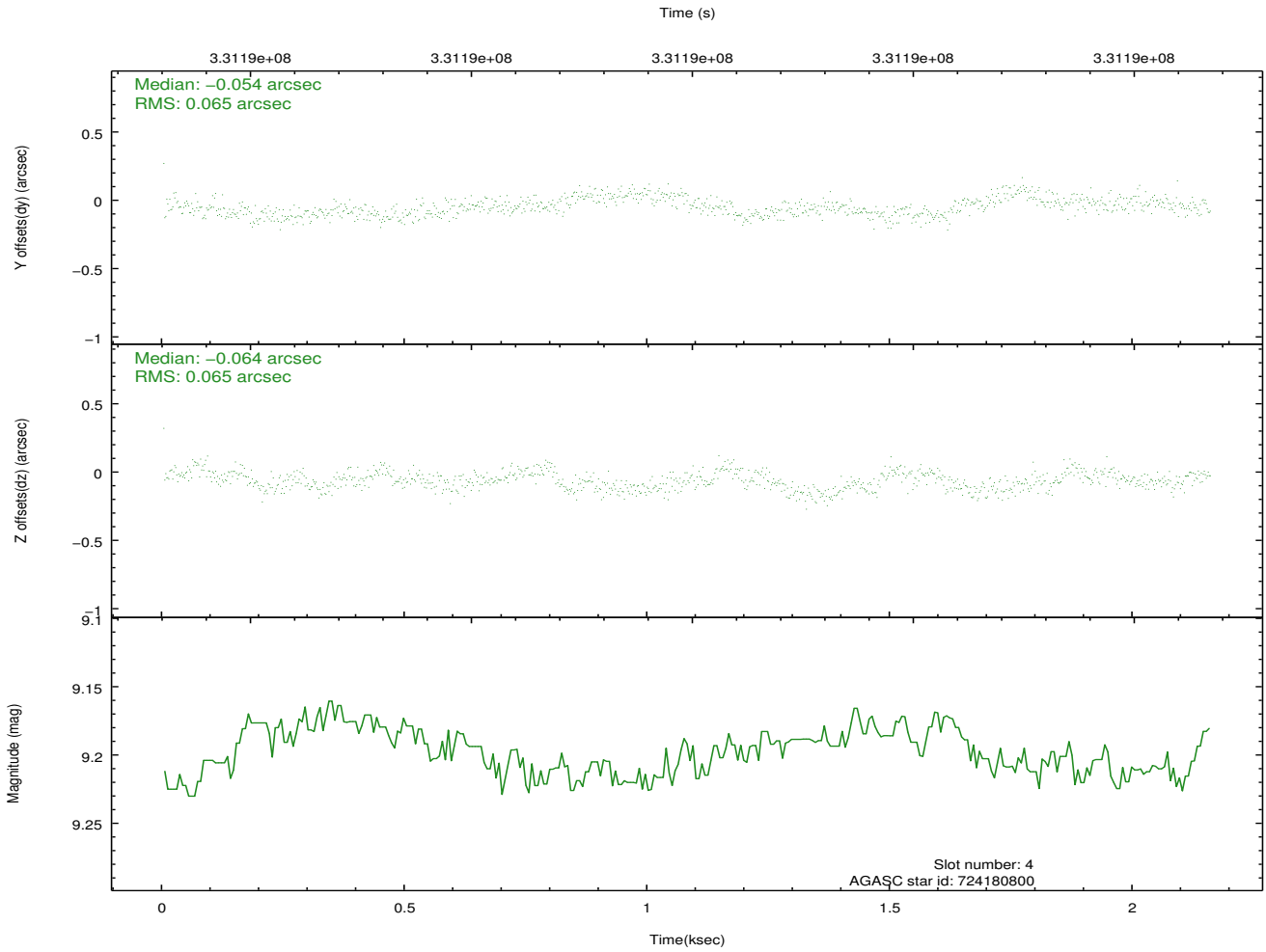
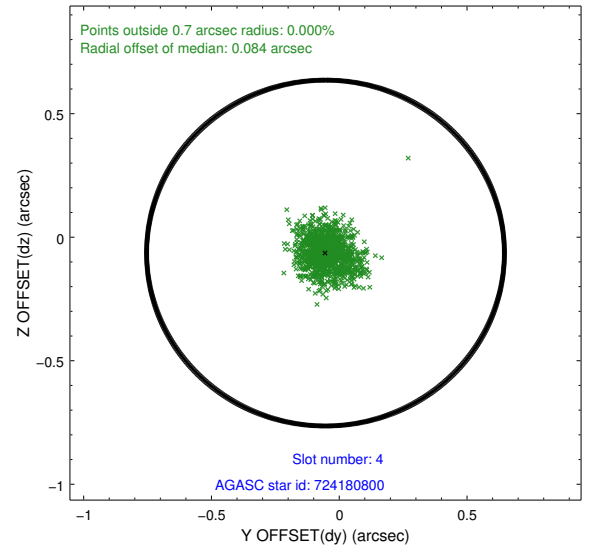
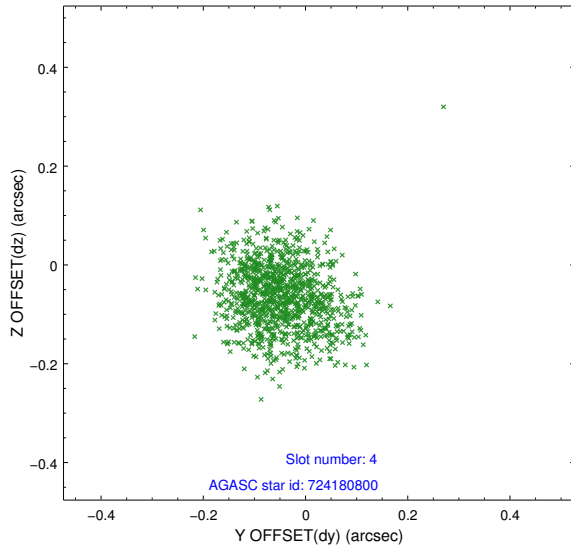
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.07	526	0.007	0.031	0.006	0.012	0.000000	0.000000	925.02	-838.31
1	FID	ACIS-I-5	7.05	526	-0.198	0.021	0.005	0.010	0.000000	0.000000	-1821.64	1057.62
2	FID	ACIS-I-6	7.06	526	0.099	0.018	0.006	0.012	0.000000	0.000000	387.33	1705.58
3	GUIDE	724051136	7.88	1053	0.034	-0.083	0.059	0.102	181.258530	-14.530766	-71.38	-1816.05
4	GUIDE	724180800	9.20	1053	-0.054	-0.064	0.097	0.157	181.566900	-14.561829	-412.76	-792.70
5	GUIDE	724182056	8.25	1053	-0.095	0.063	0.071	0.119	181.901178	-14.859599	85.81	710.12
6	GUIDE	724183416	9.82	1053	0.077	-0.004	0.133	0.215	182.385209	-14.768656	-902.14	2114.39
7	GUIDE	798889000	9.16	1051	0.032	0.096	0.100	0.160	182.041095	-15.123050	750.80	1545.71

2.4 Star Slots

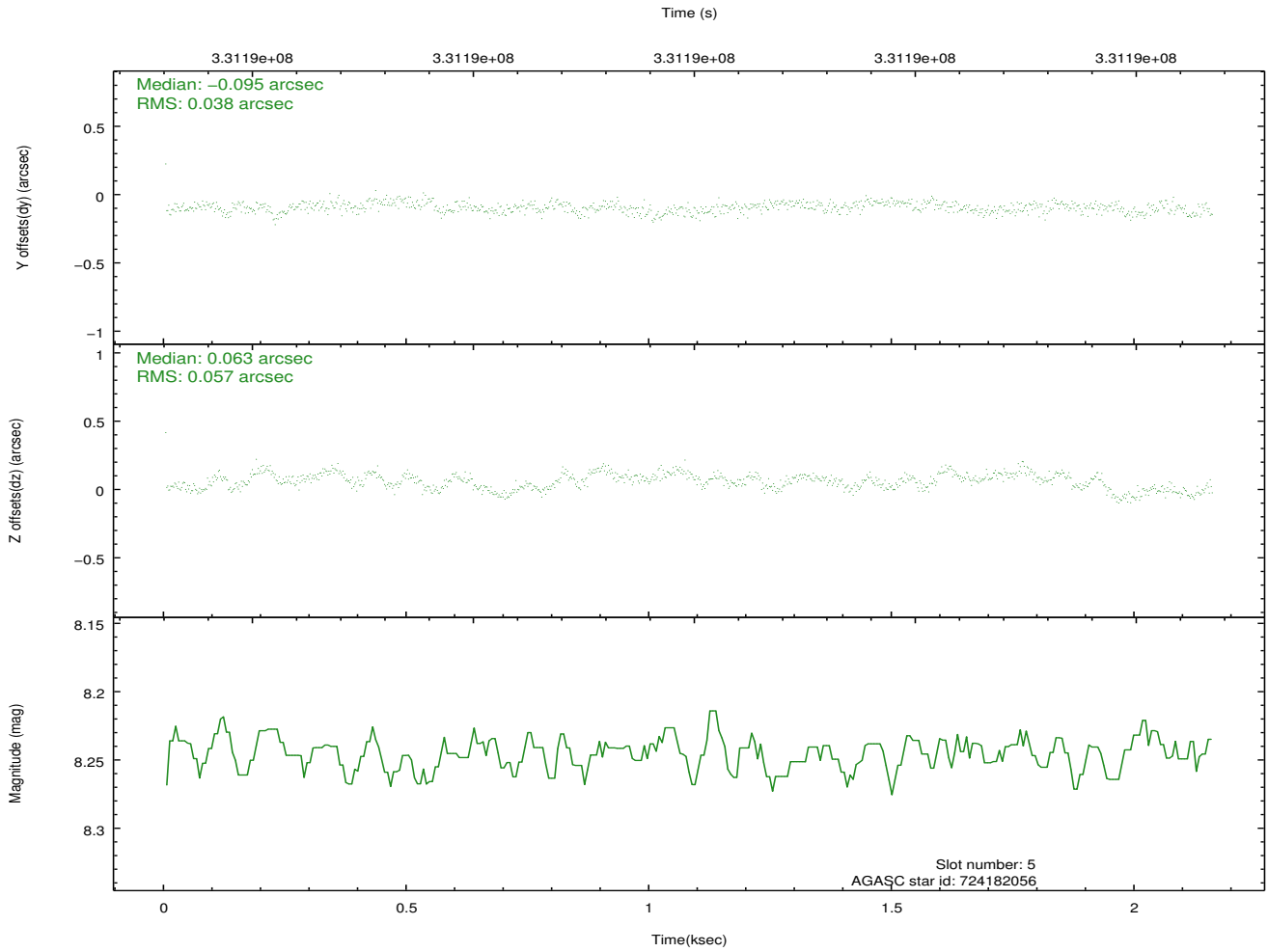
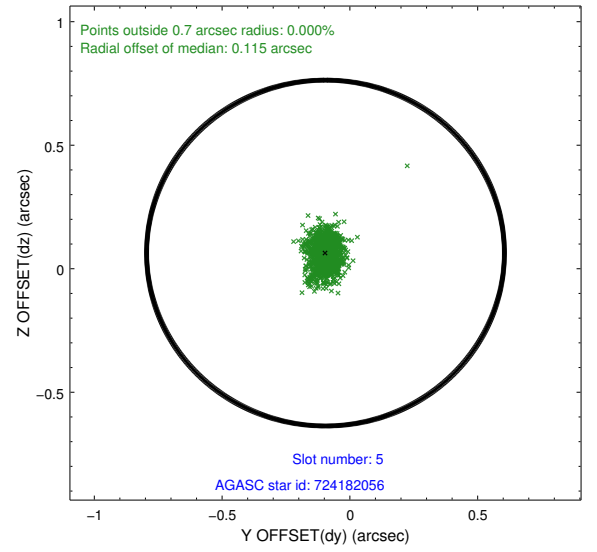
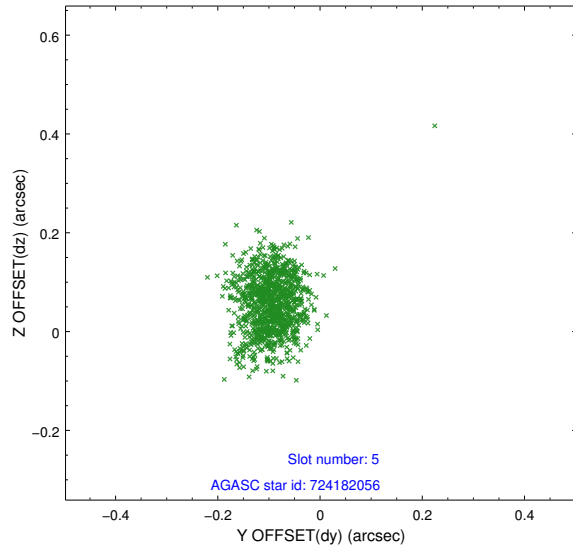
2.4.1 Slot 3



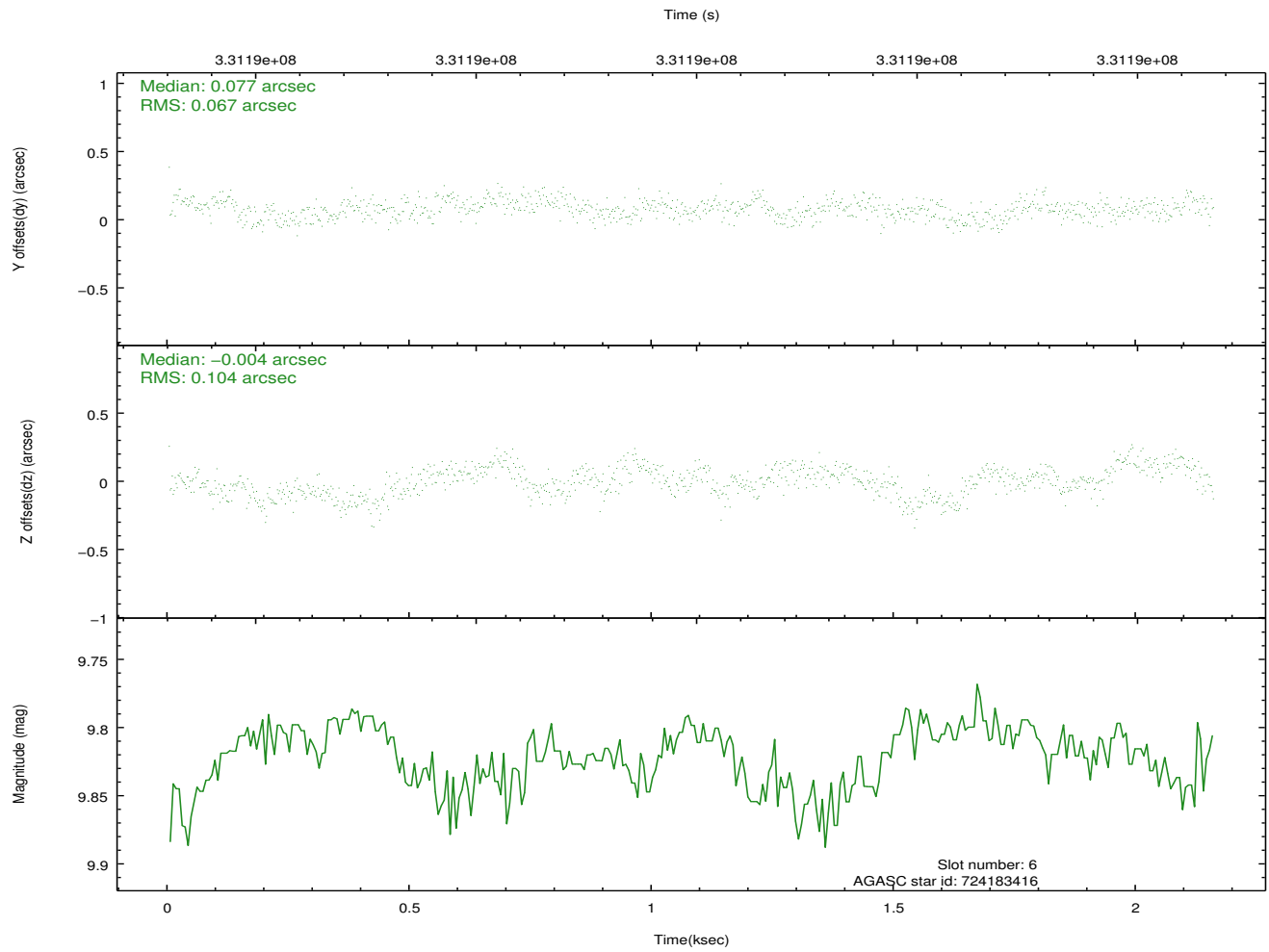
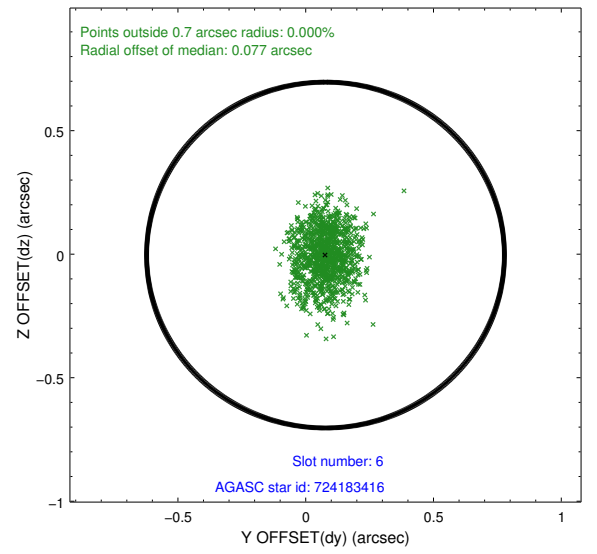
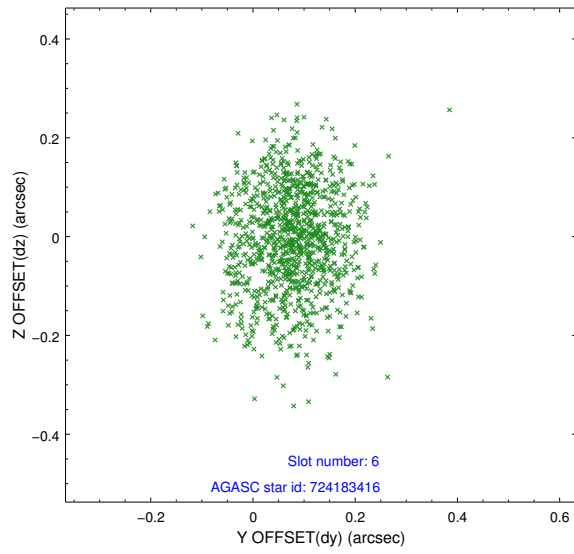
2.4.2 Slot 4



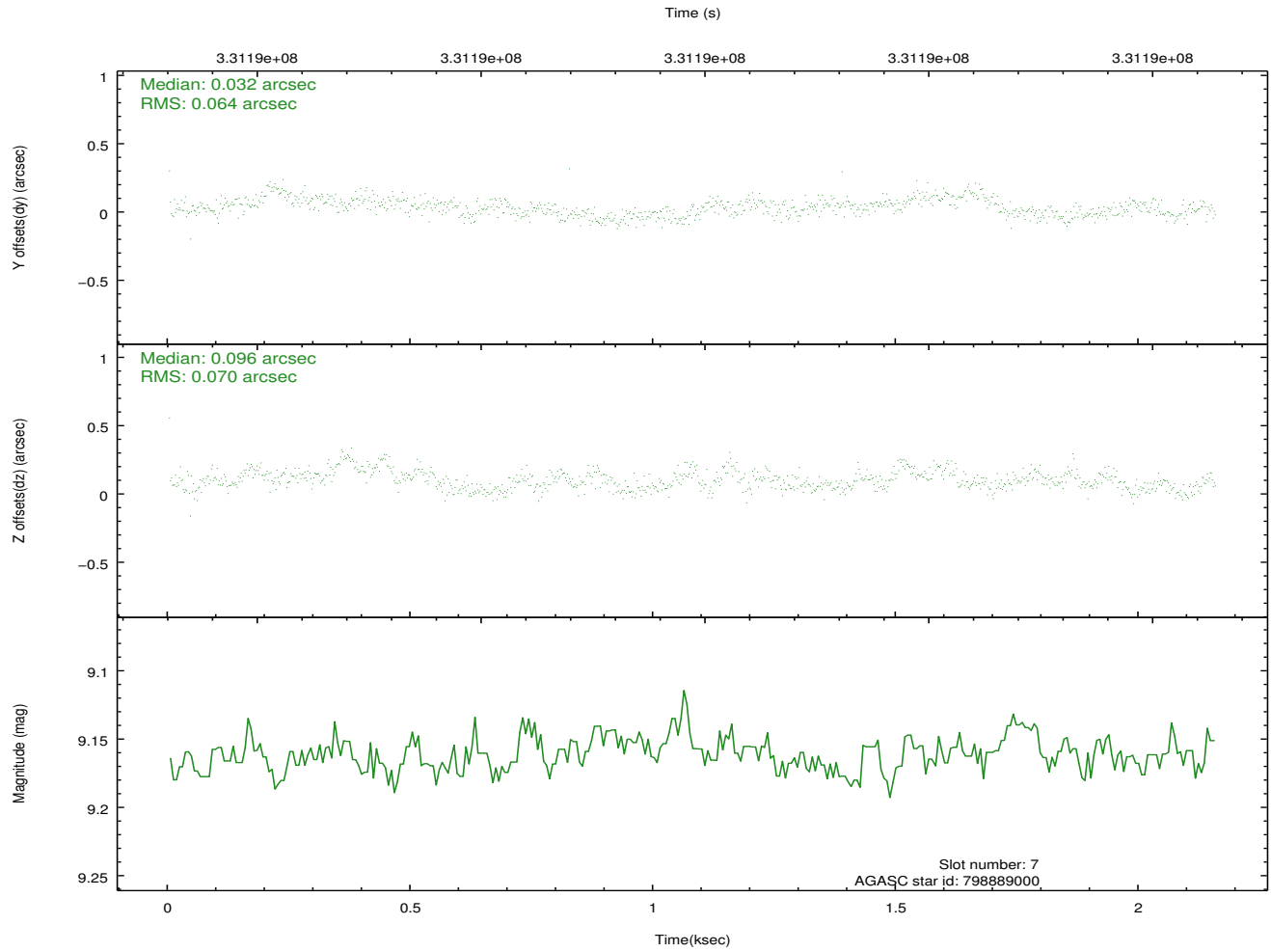
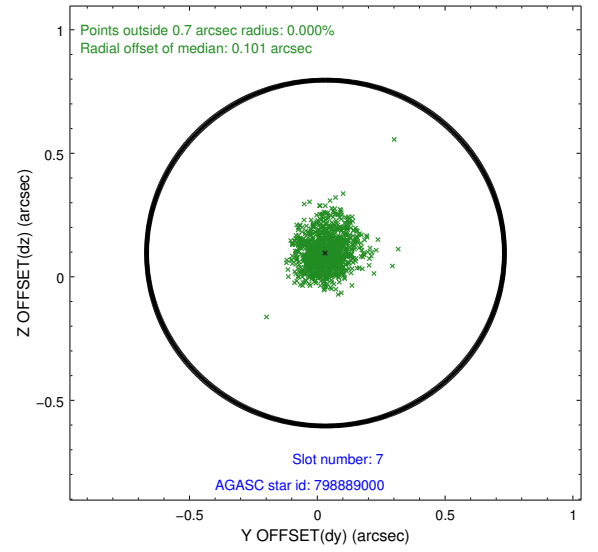
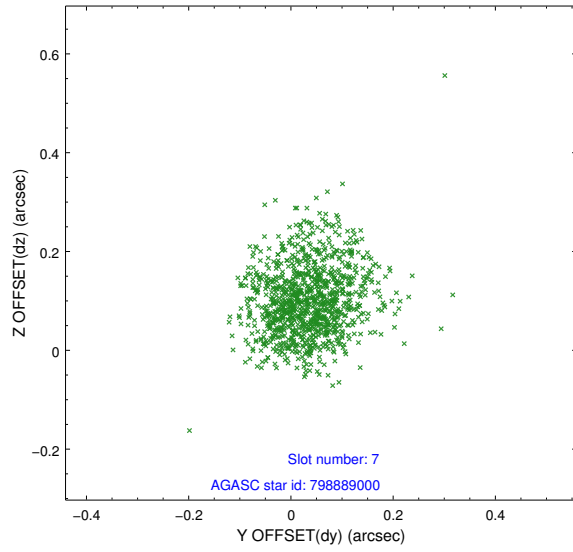
2.4.3 Slot 5



2.4.4 Slot 6

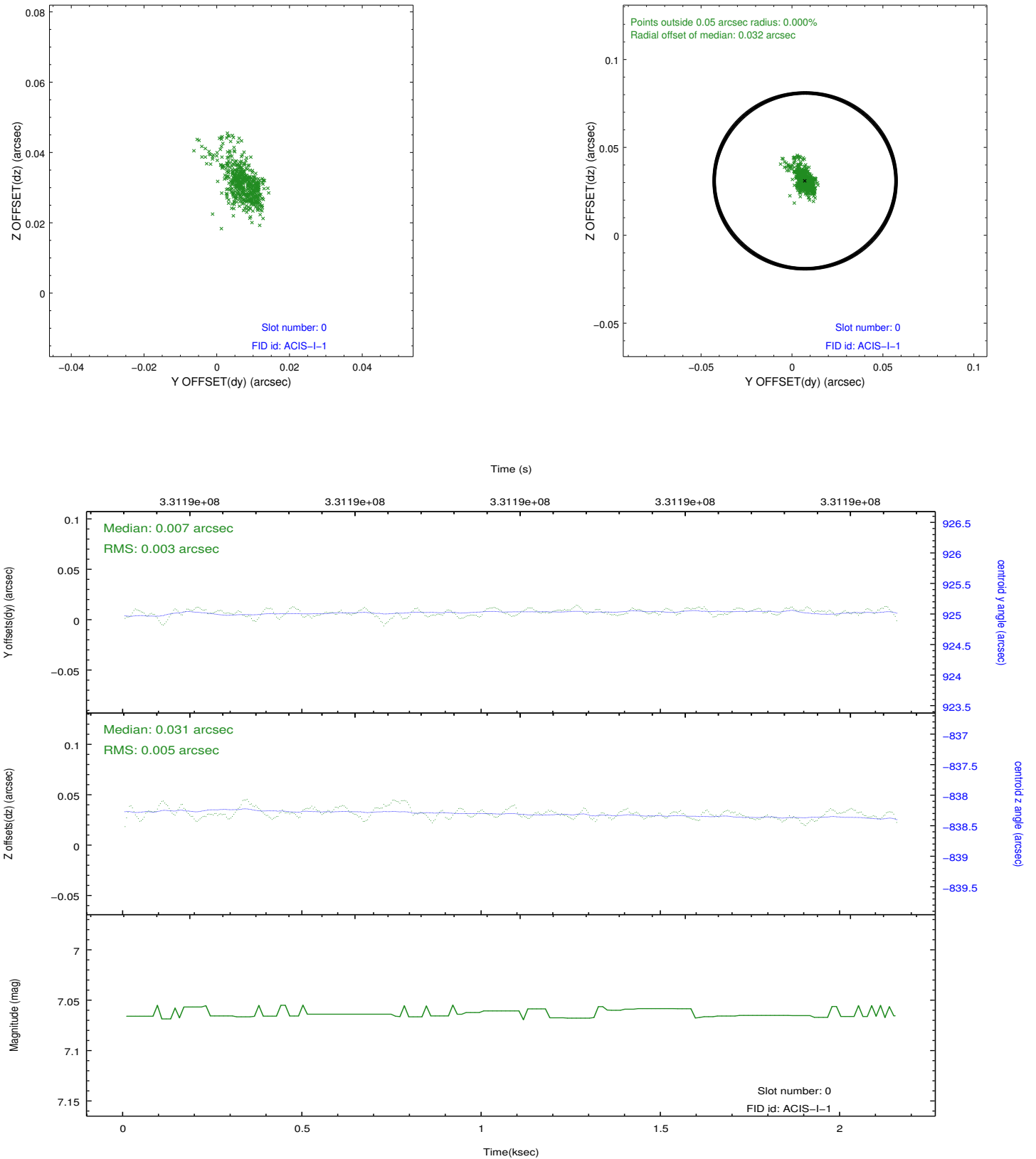


2.4.5 Slot 7

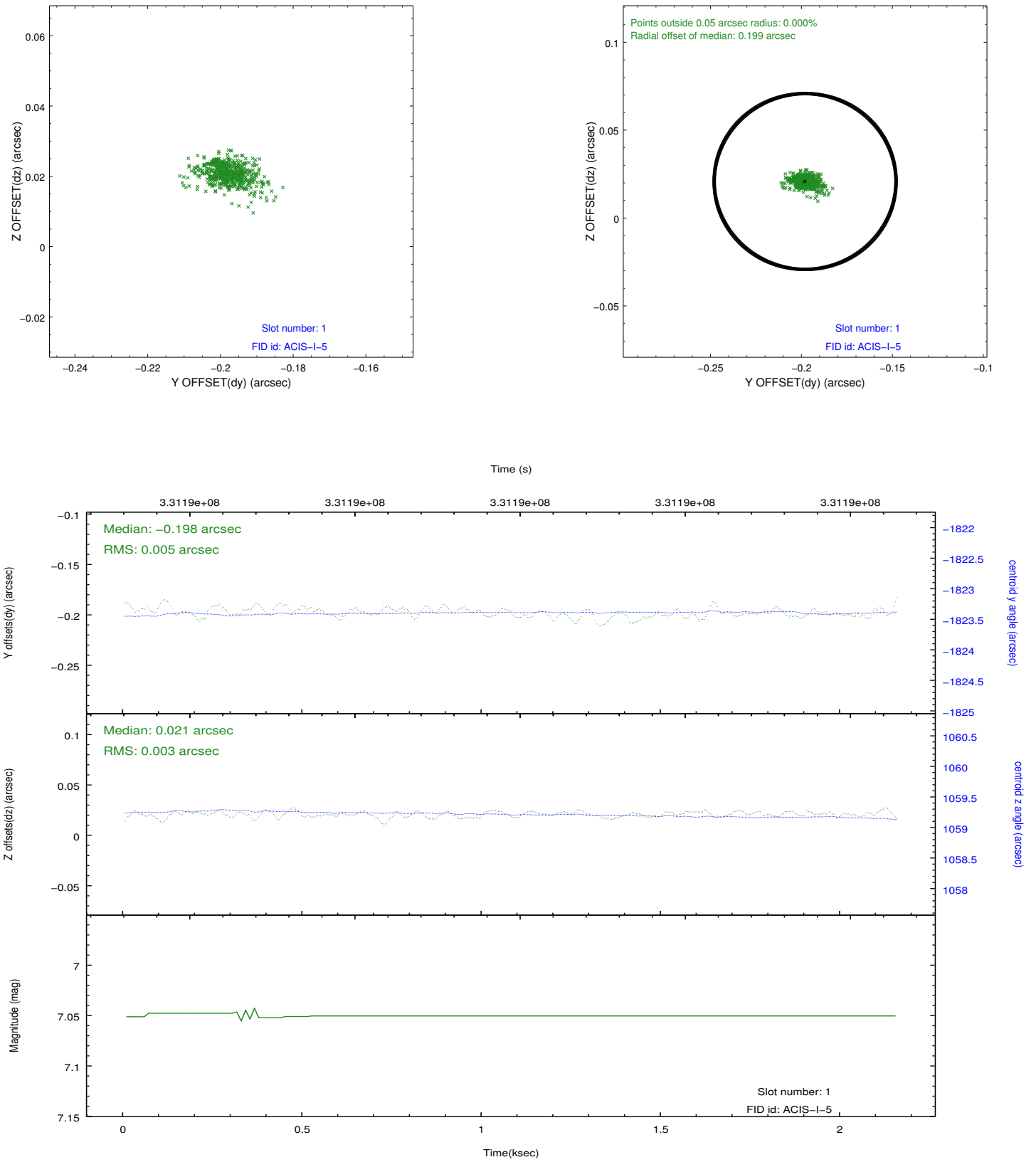


2.5 FID Slots

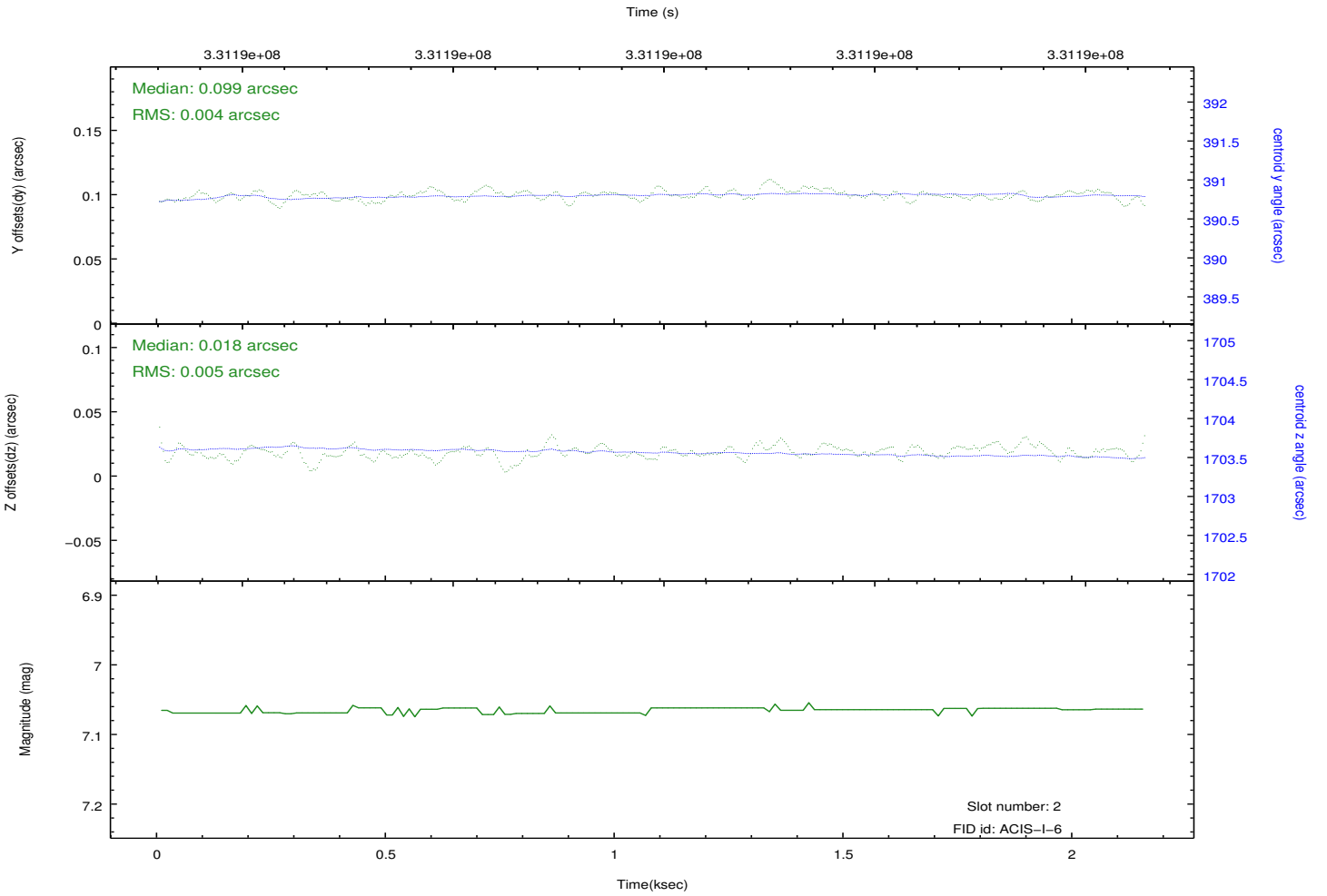
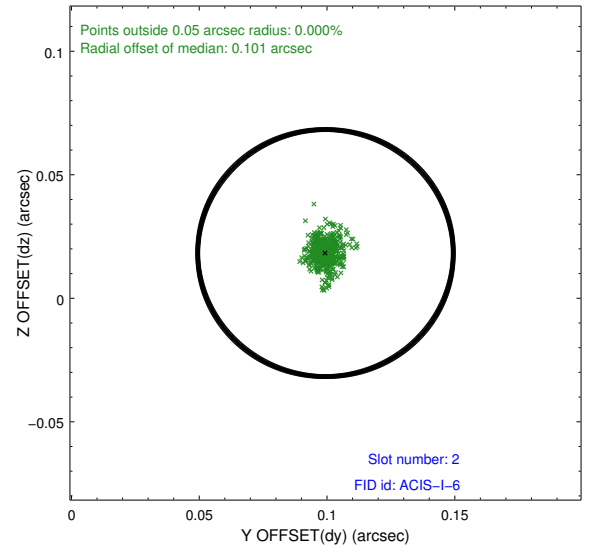
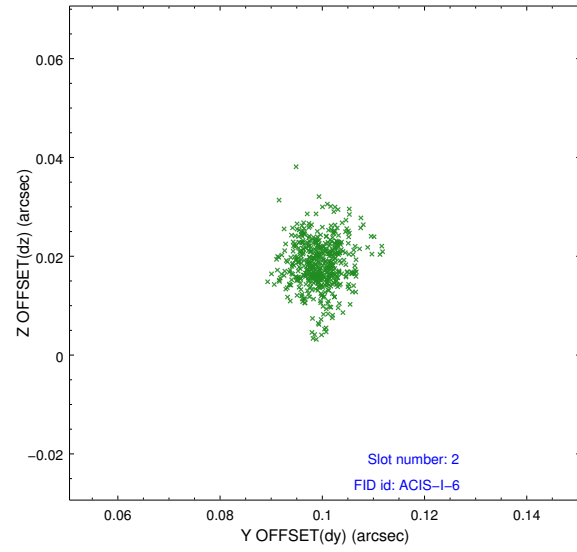
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.15450001

A.2 Comments