

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3296 - L2 Version 3
Chandra X-Ray Center

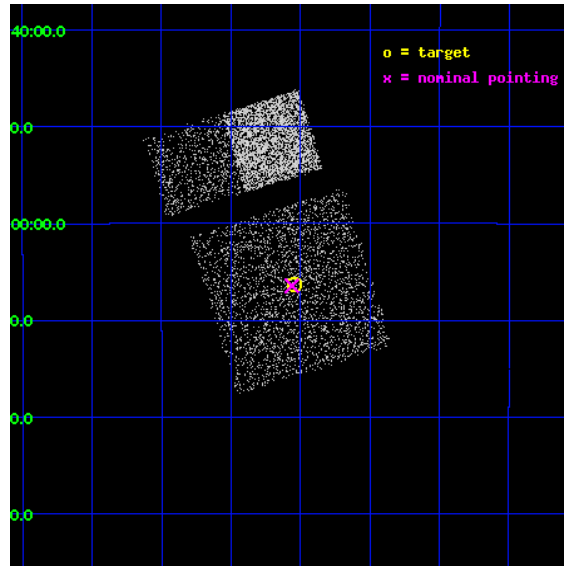
L2 Processing Date : Oct 3 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

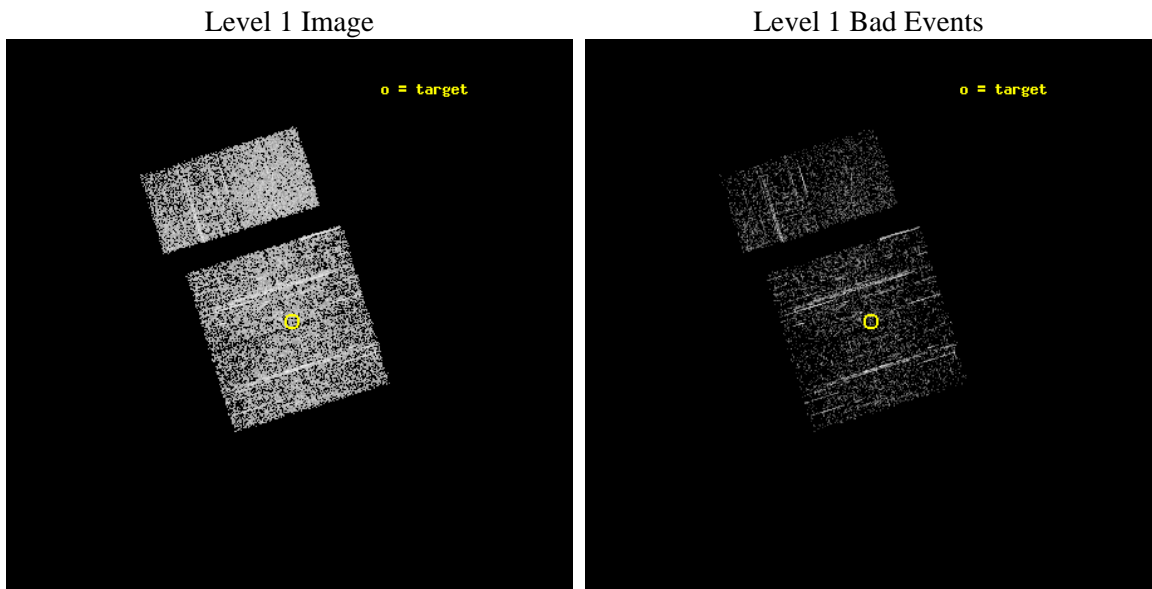
seq_num	900135	Sequence number
obs_id	3296	Observation id
title	A CHEAP COMPLETE WIDE BRIGHT SURVEY	Proposal title
observer	DR. FABIO LA FRANCA	Principal investigator
object	H094633	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	146.636667	Observer's specified target RA [deg]
dec_targ	-14.104278	Observer's specified target Dec [deg]
ra_nom	146.64055842896	Nominal RA [deg]
dec_nom	-14.107443781162	Nominal Dec [deg]
roll_nom	342.76509995313	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1139.2000010461	Sum of GTIs [s]
liveltime	1124.7747646889	Livetime [s]
ontime0	1139.2000010461	Sum of GTIs [s]
ontime1	1139.2000010461	Sum of GTIs [s]
ontime2	1139.2000010461	Sum of GTIs [s]
ontime3	1139.2000010461	Sum of GTIs [s]
ontime6	1139.2000010461	Sum of GTIs [s]
ontime7	1139.2000010461	Sum of GTIs [s]
l2events	8293	Number of level 2 events



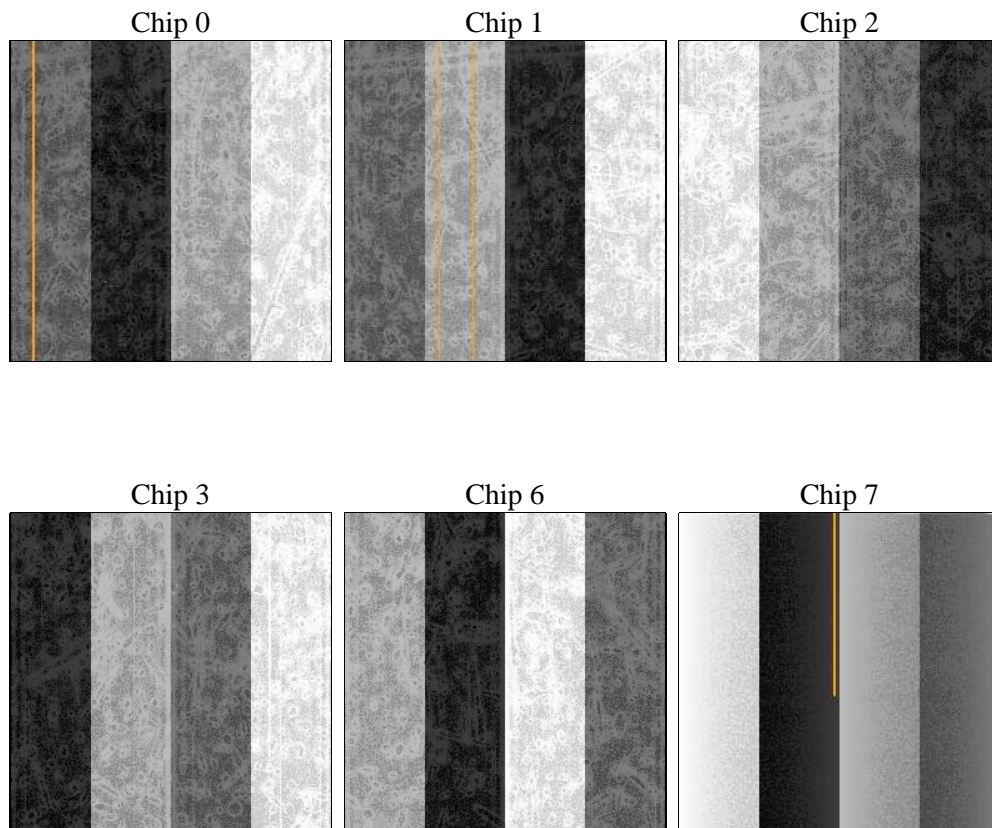
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1139.2000010461	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	1139.2000010461	Sum of GTIs [s]
date	2012-10-03T02:33:33	Date and time of file creation	ontime1	1139.2000010461	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	1139.2000010461	Sum of GTIs [s]
			ontime3	1139.2000010461	Sum of GTIs [s]
			ontime6	1139.2000010461	Sum of GTIs [s]
			ontime7	1139.2000010461	Sum of GTIs [s]
			l1events	47728	Number of level 1 events

2.1.4 Events

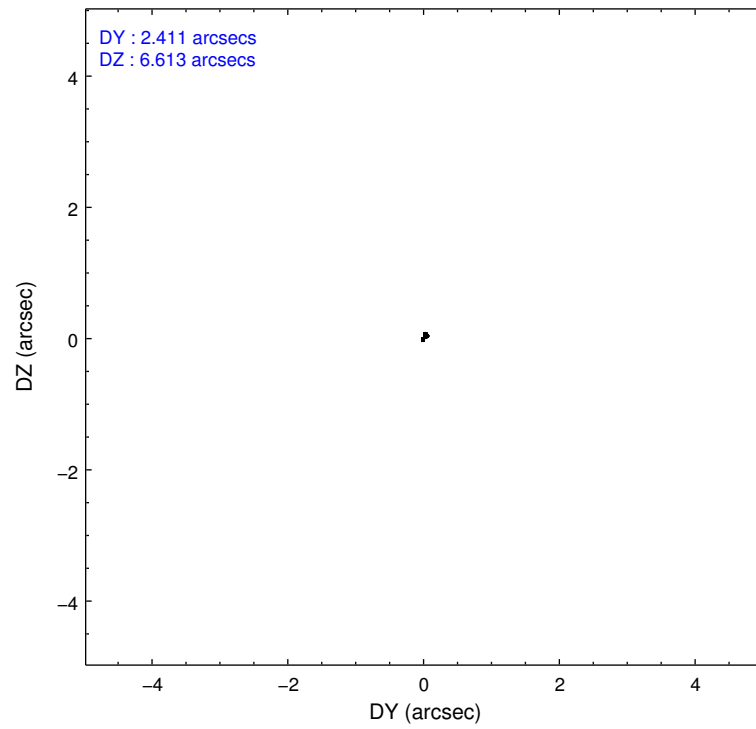
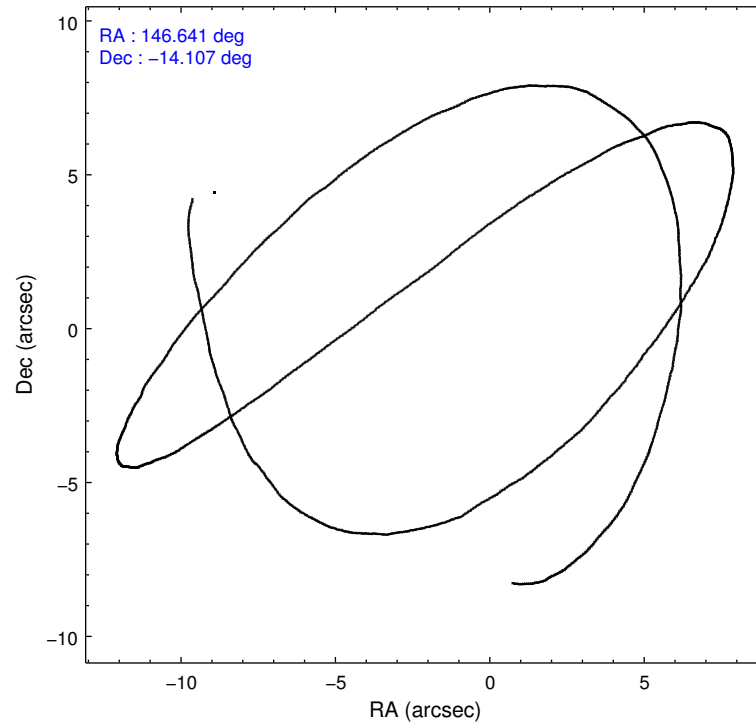
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	6850	6734	8222	8141	7603	10178
rejected events	5898	5733	7256	7193	6660	5852
rejected %	86%	85%	88%	88%	87%	57%

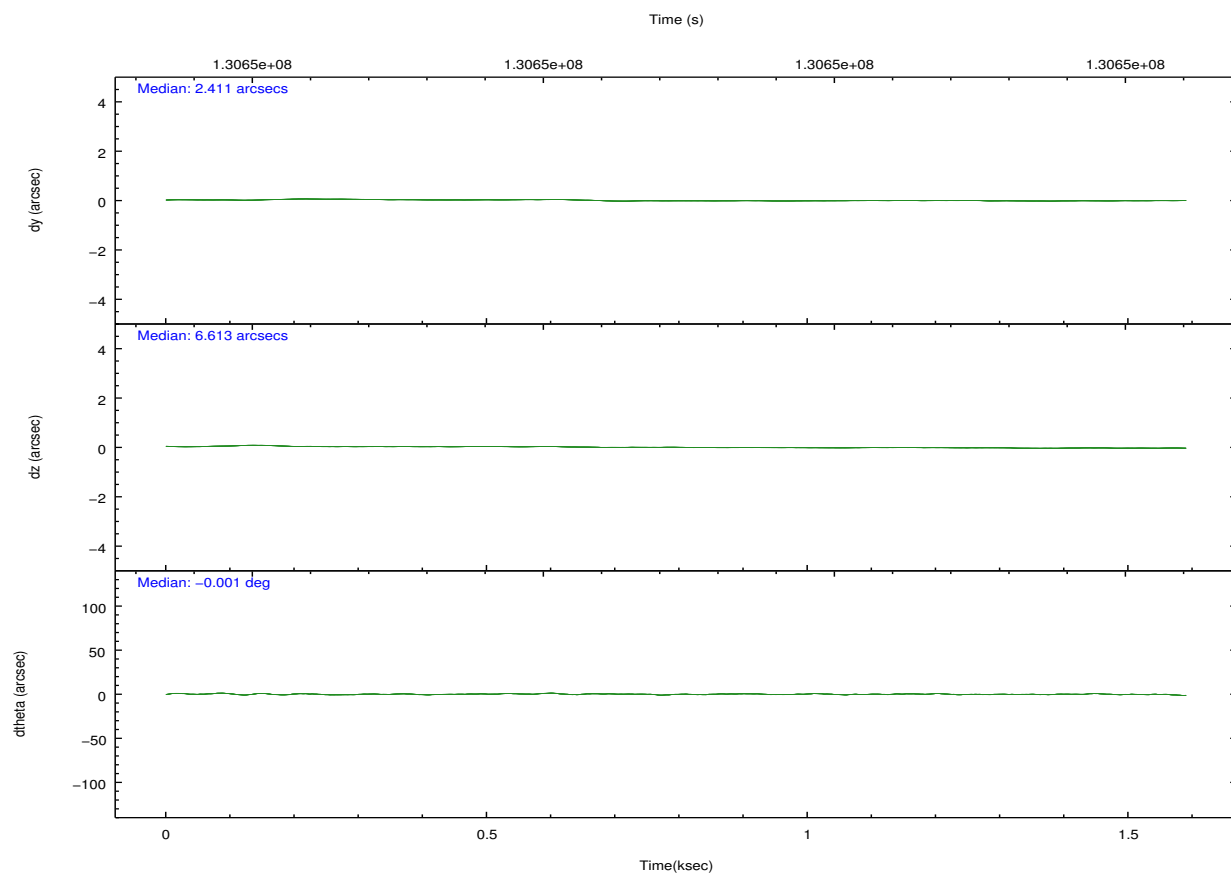
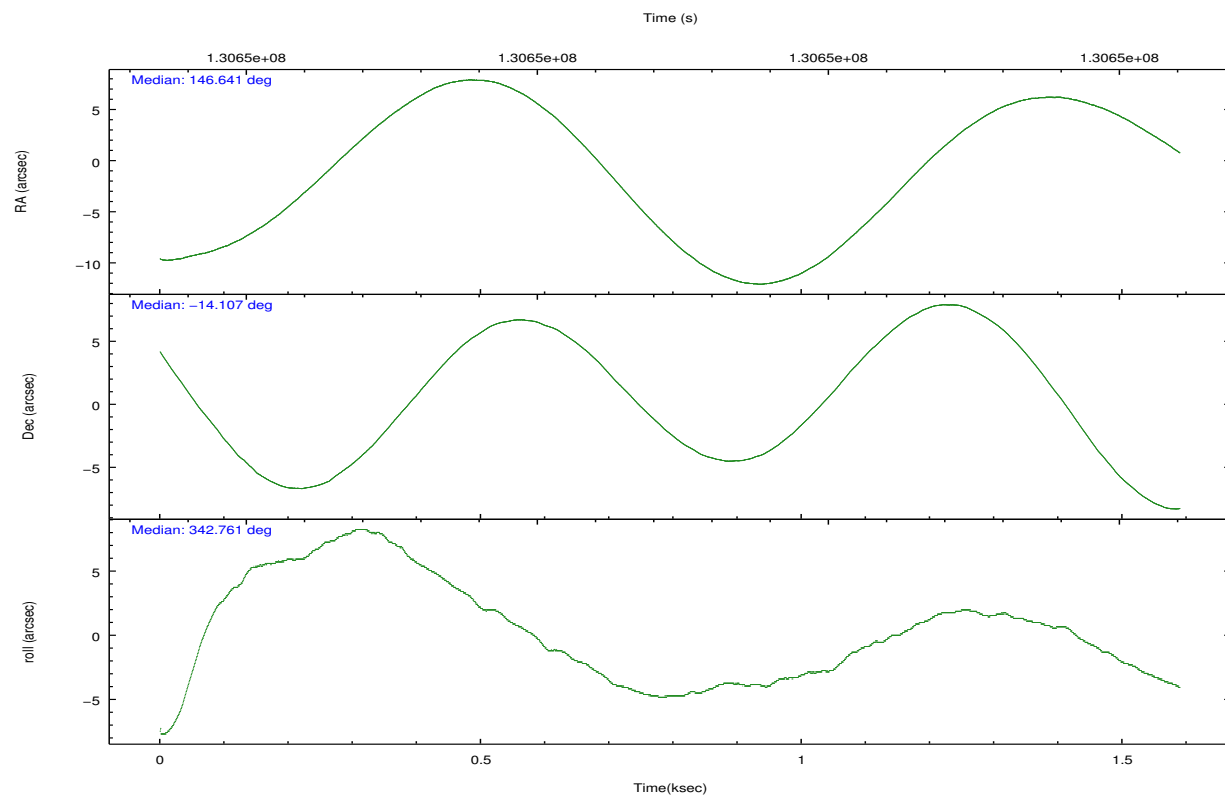
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	405	387	406	371	387	407
	5%	5%	4%	4%	5%	3%
grade 1 events	3	3	4	1	2	13
	0%	0%	0%	0%	0%	0%
grade 2 events	207	237	218	208	200	874
	3%	3%	2%	2%	2%	8%
grade 3 events	82	95	83	96	96	356
	1%	1%	1%	1%	1%	3%
grade 4 events	85	99	96	86	80	360
	1%	1%	1%	1%	1%	3%
grade 5 events	251	304	251	331	343	929
	3%	4%	3%	4%	4%	9%
grade 6 events	174	185	165	191	184	2342
	2%	2%	2%	2%	2%	23%
grade 7 events	5643	5424	6999	6857	6311	4897
	82%	80%	85%	84%	83%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	146.612802	146.6405584289586	Subarray requested	NONE	NONE
[deg] Pointing Dec	-14.113428	-14.10744378116209	Alternating exposures requested	N	N
[deg] Pointing Roll	342.549604	342.7650999531317	[s] Primary exposure time	0.000000	3.2
[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)	130647623.184000	130647247.81476			
Observation start date	2002-02-21T02:59:19	2002-02-21T02:54:07			
[s] Observation end time (MET)	130649023.184000	130649603.26486			
Observation end date	2002-02-21T03:22:39	2002-02-21T03:33:23			
Read mode	TIMED	TIMED			

2.3 Aspect



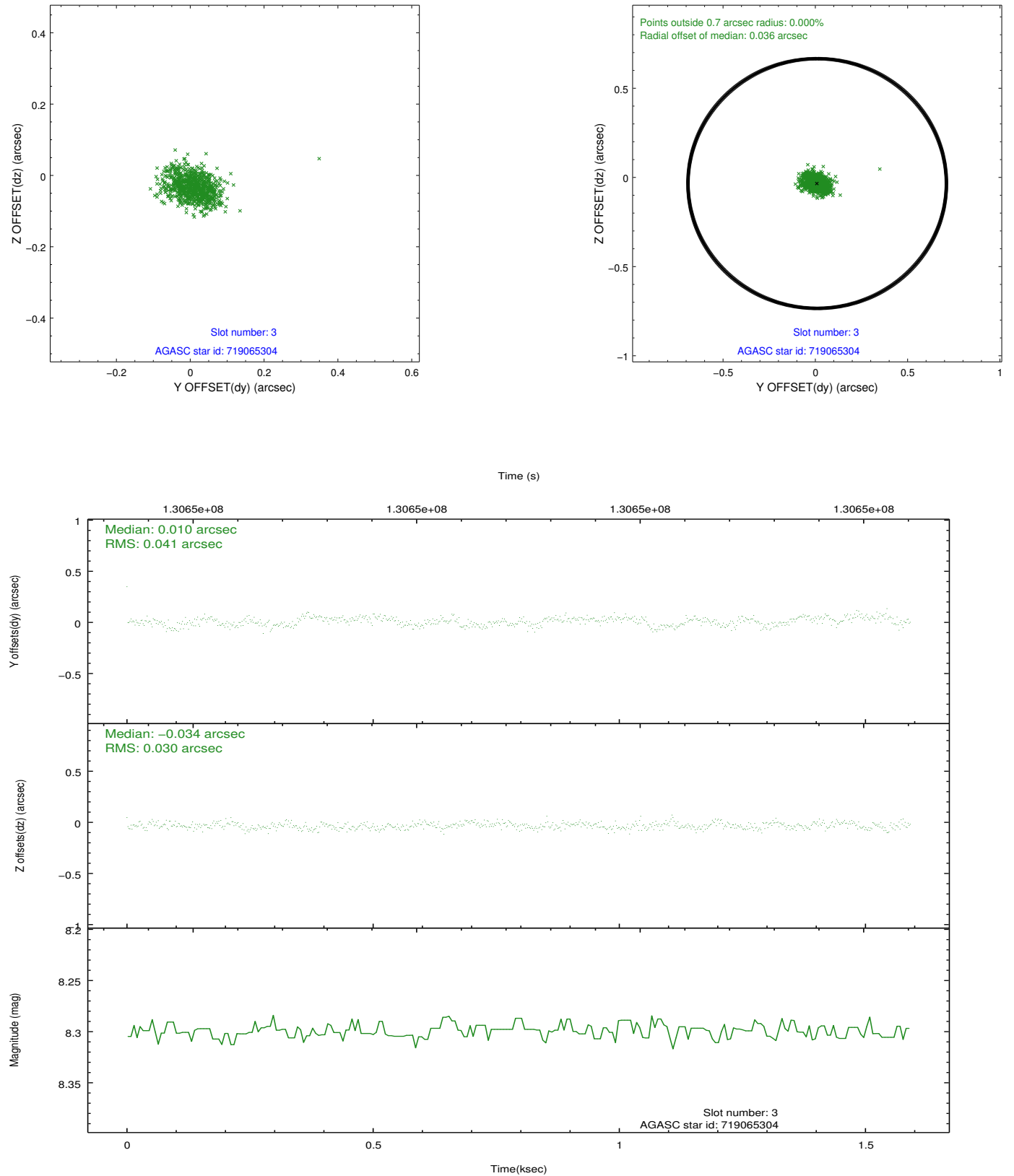


Slot Statistics

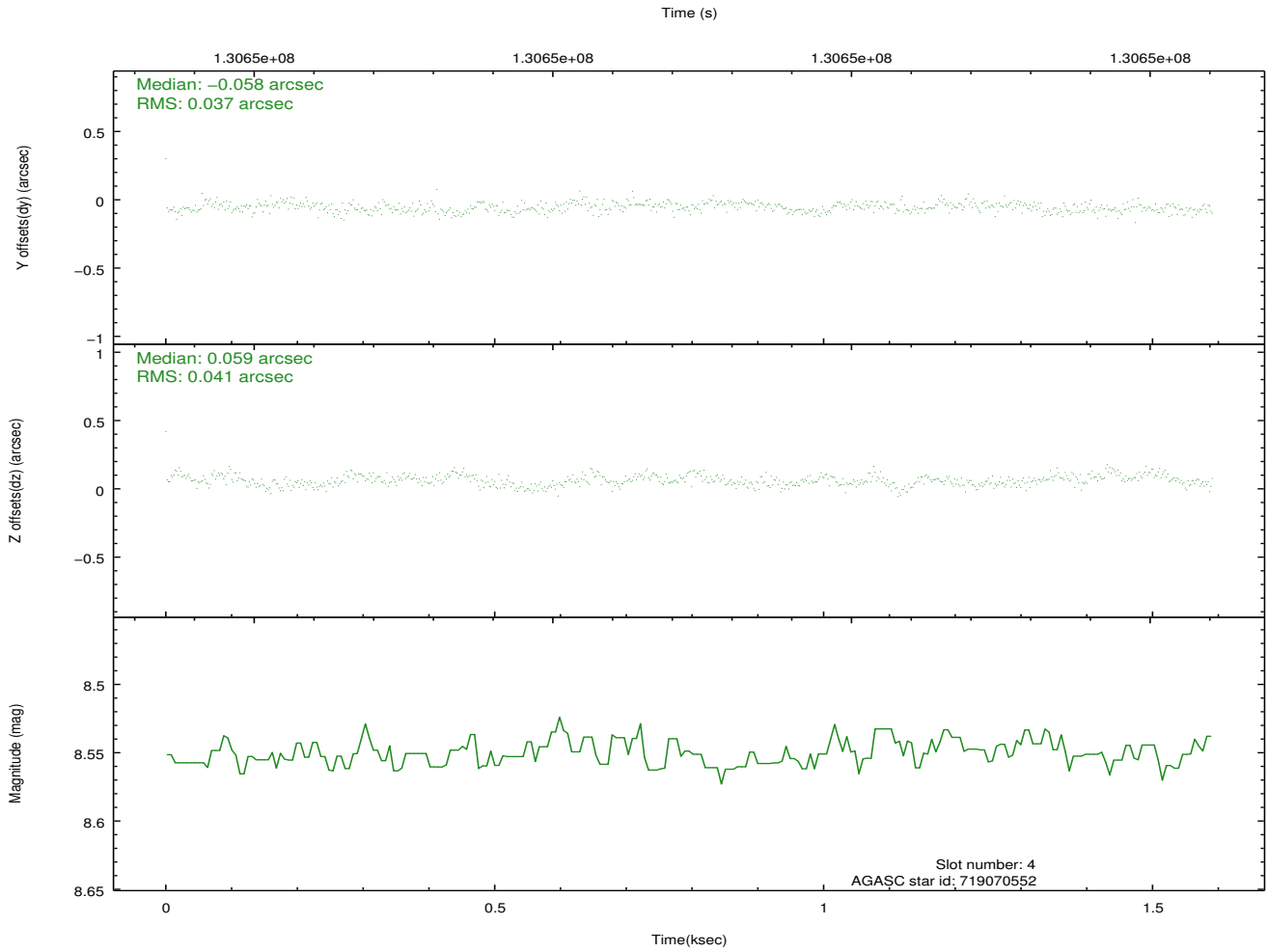
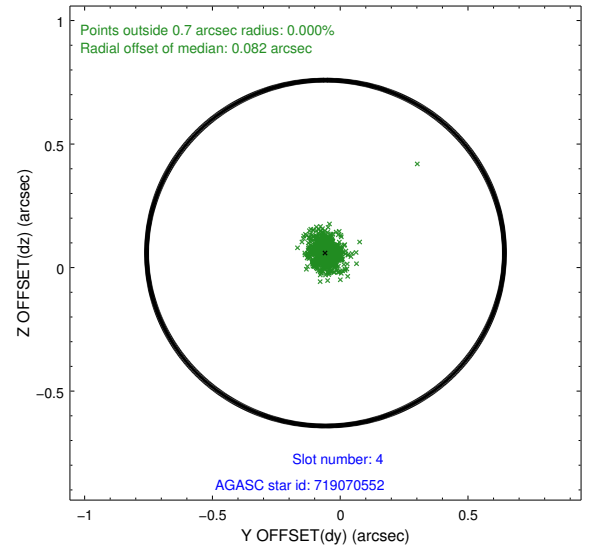
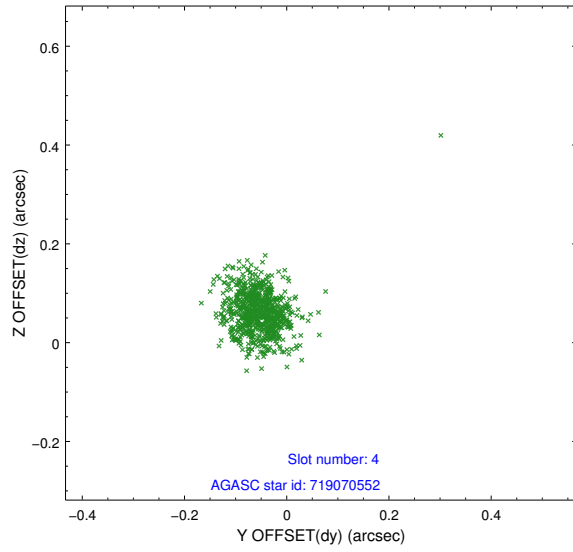
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	388	-0.008	0.014	0.006	0.012	0.000000	0.000000	937.36	-830.01
1	FID	ACIS-I-5	7.24	389	-0.040	0.045	0.007	0.011	0.000000	0.000000	-1808.41	1065.52
2	FID	ACIS-I-6	7.26	388	-0.043	0.012	0.007	0.011	0.000000	0.000000	398.44	1714.64
3	GUIDE	719065304	8.30	777	0.010	-0.034	0.052	0.086	146.031410	-13.723490	-2361.02	726.53
4	GUIDE	719070552	8.55	777	-0.058	0.059	0.055	0.094	146.989897	-14.294542	1446.70	-227.77
5	GUIDE	719072336	8.76	777	0.040	0.186	0.055	0.094	146.032024	-14.033089	-2020.21	-335.41
6	GUIDE	719062168	8.71	777	0.068	-0.047	0.106	0.173	146.982073	-14.934546	2108.91	-2436.54
7	GUIDE	719061936	9.45	775	-0.065	-0.164	0.116	0.181	146.907752	-13.519256	345.16	2345.89

2.4 Star Slots

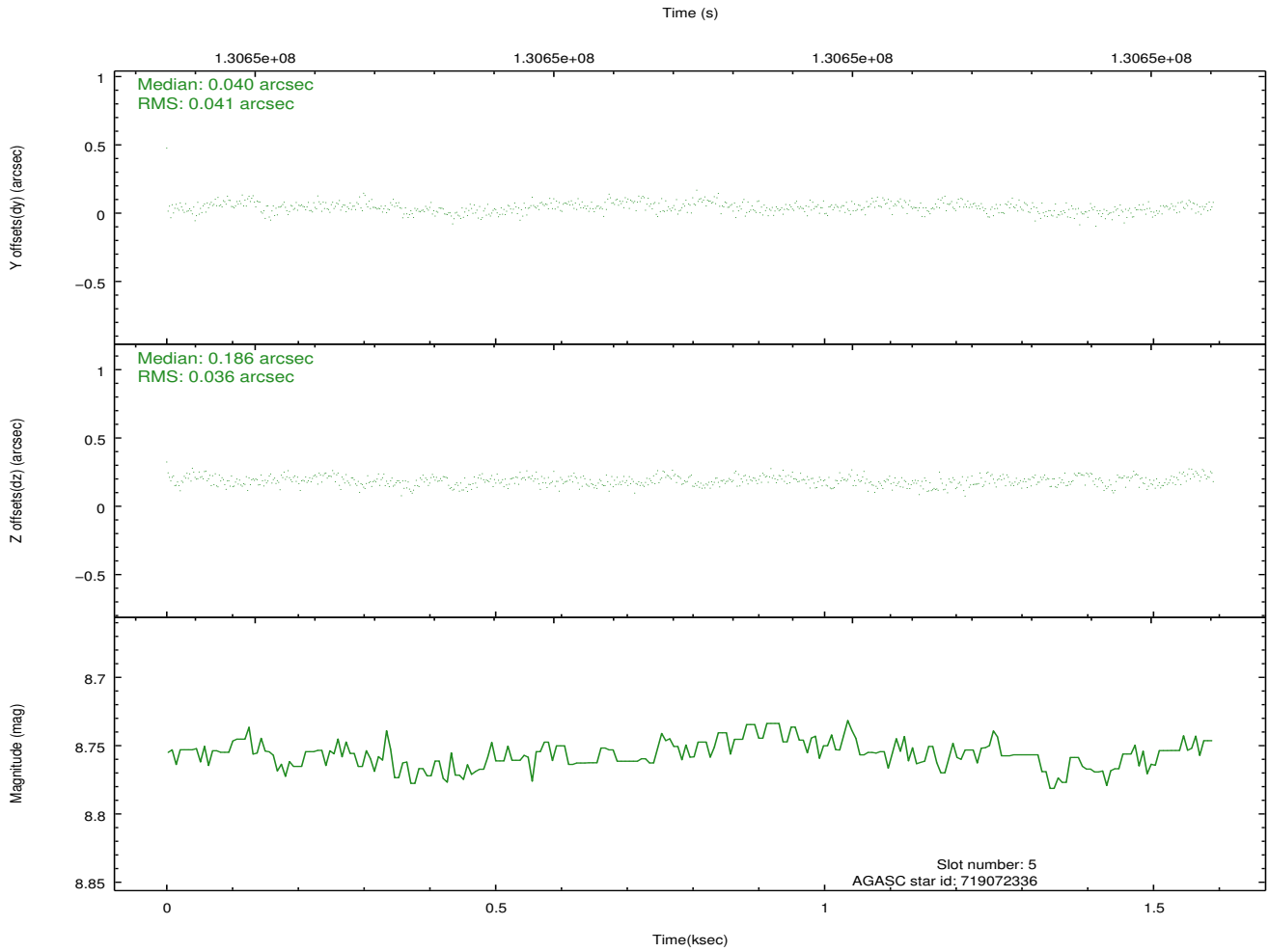
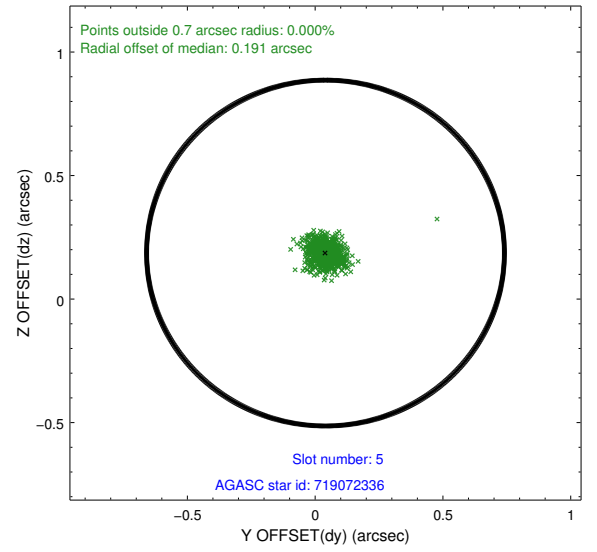
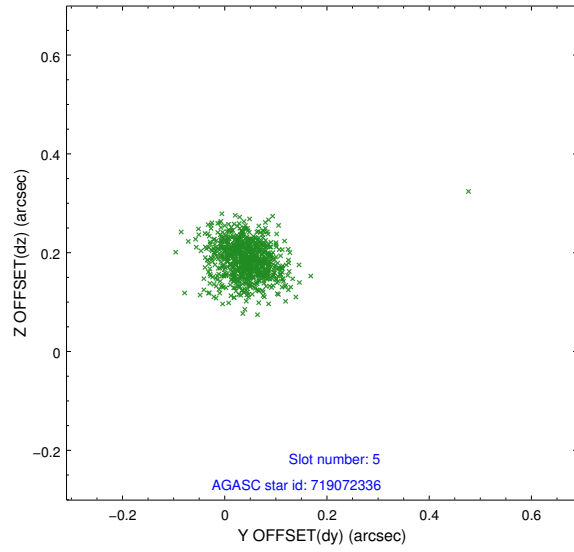
2.4.1 Slot 3



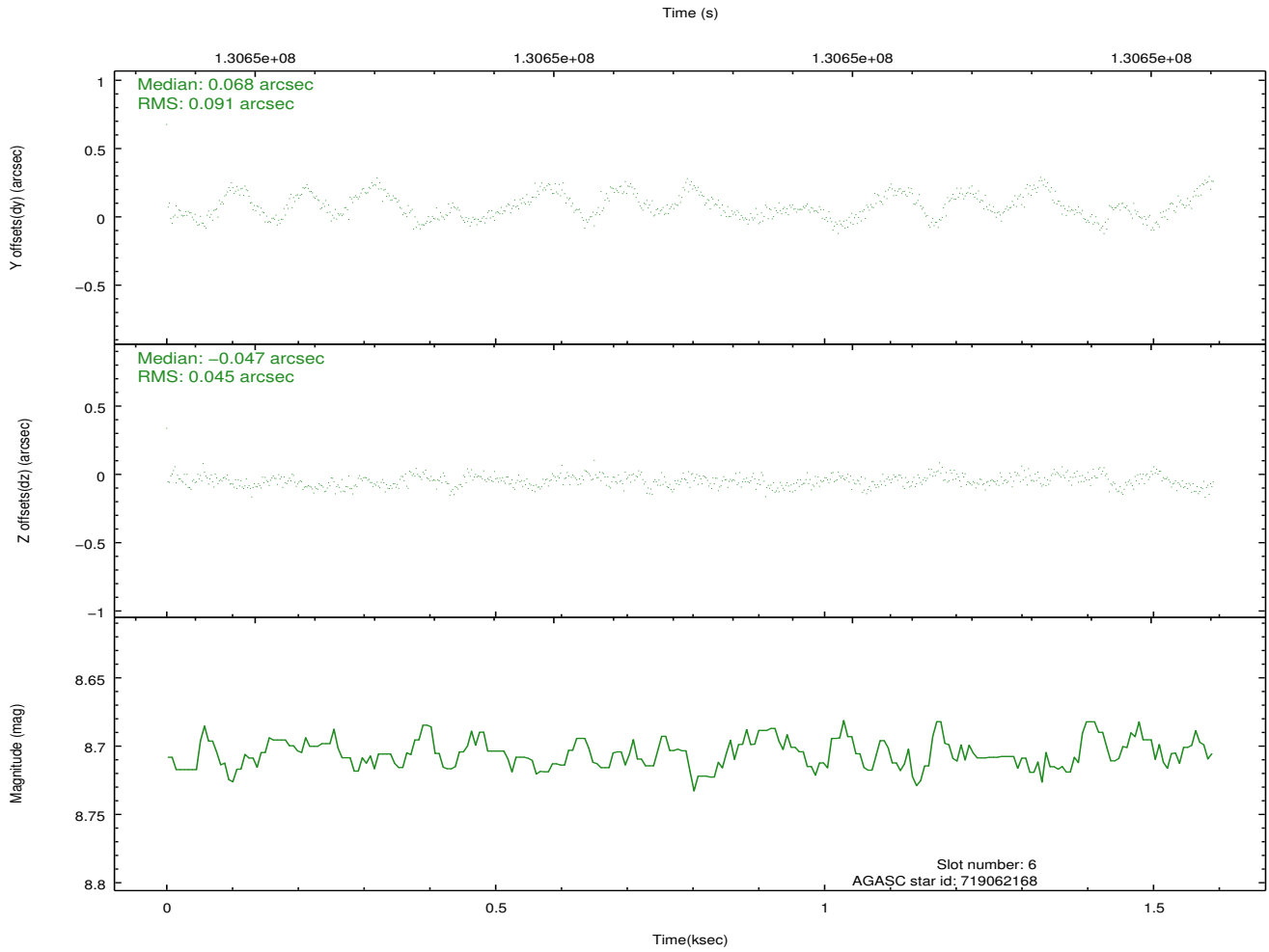
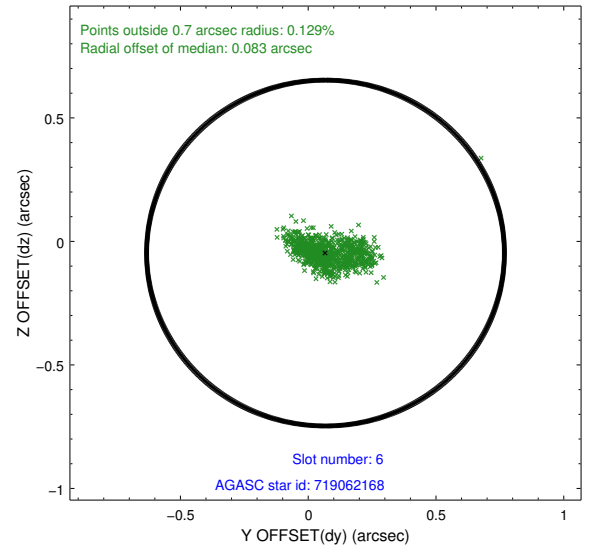
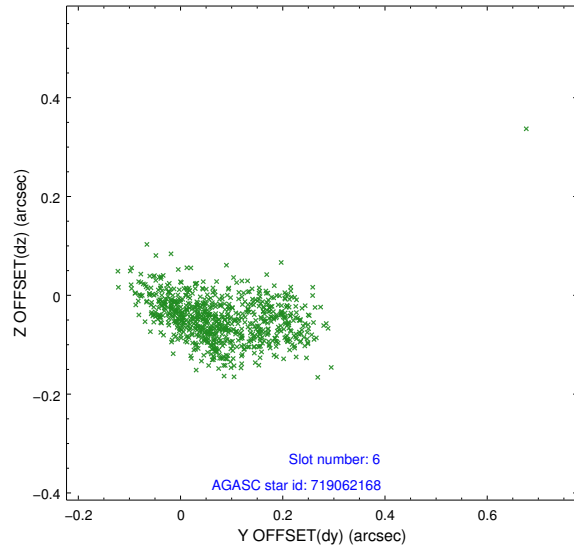
2.4.2 Slot 4



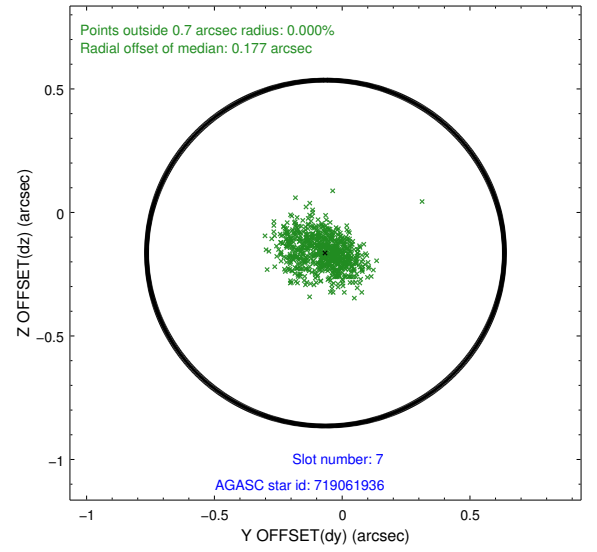
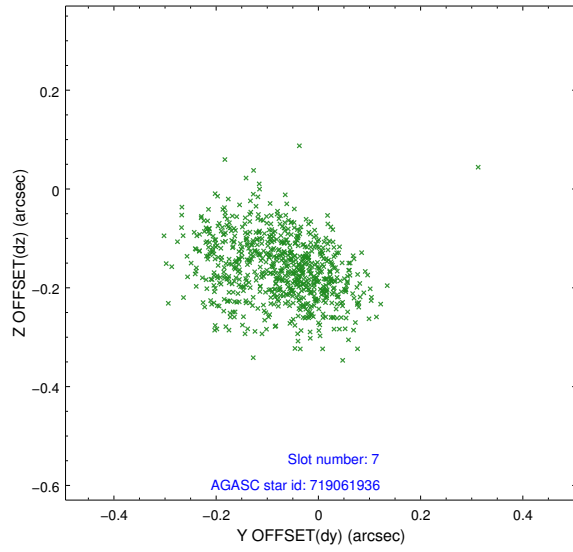
2.4.3 Slot 5



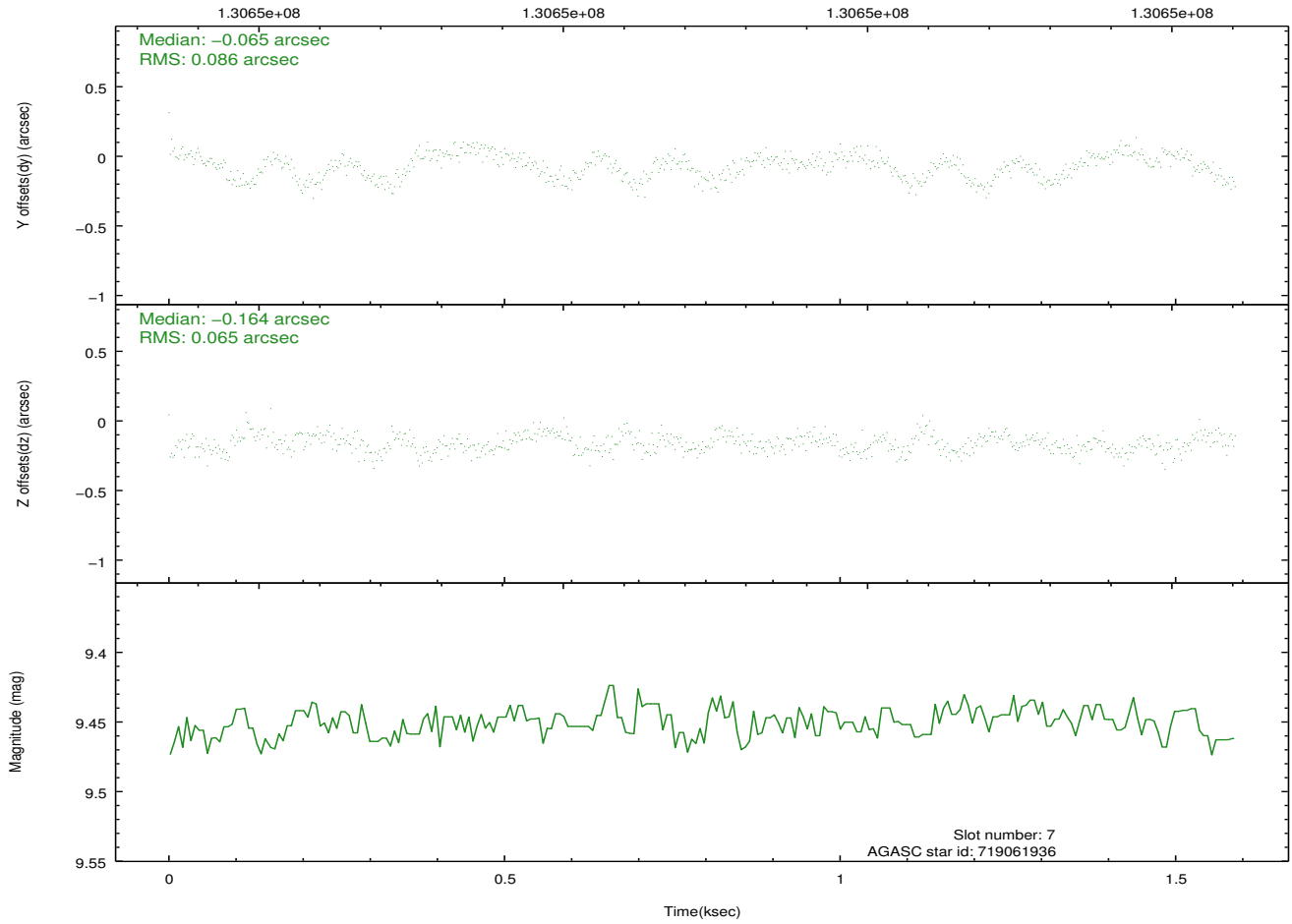
2.4.4 Slot 6



2.4.5 Slot 7

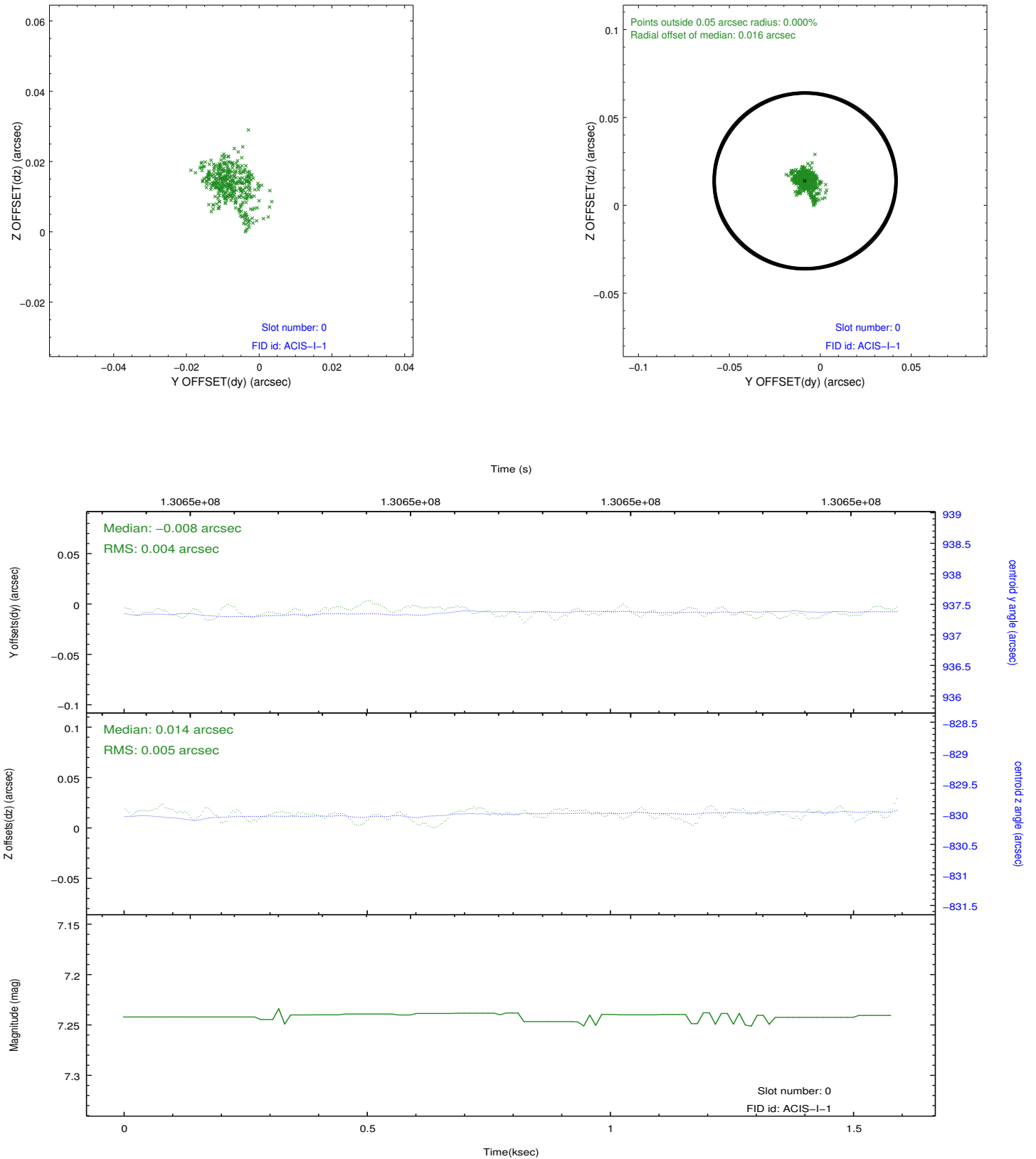


Time (s)

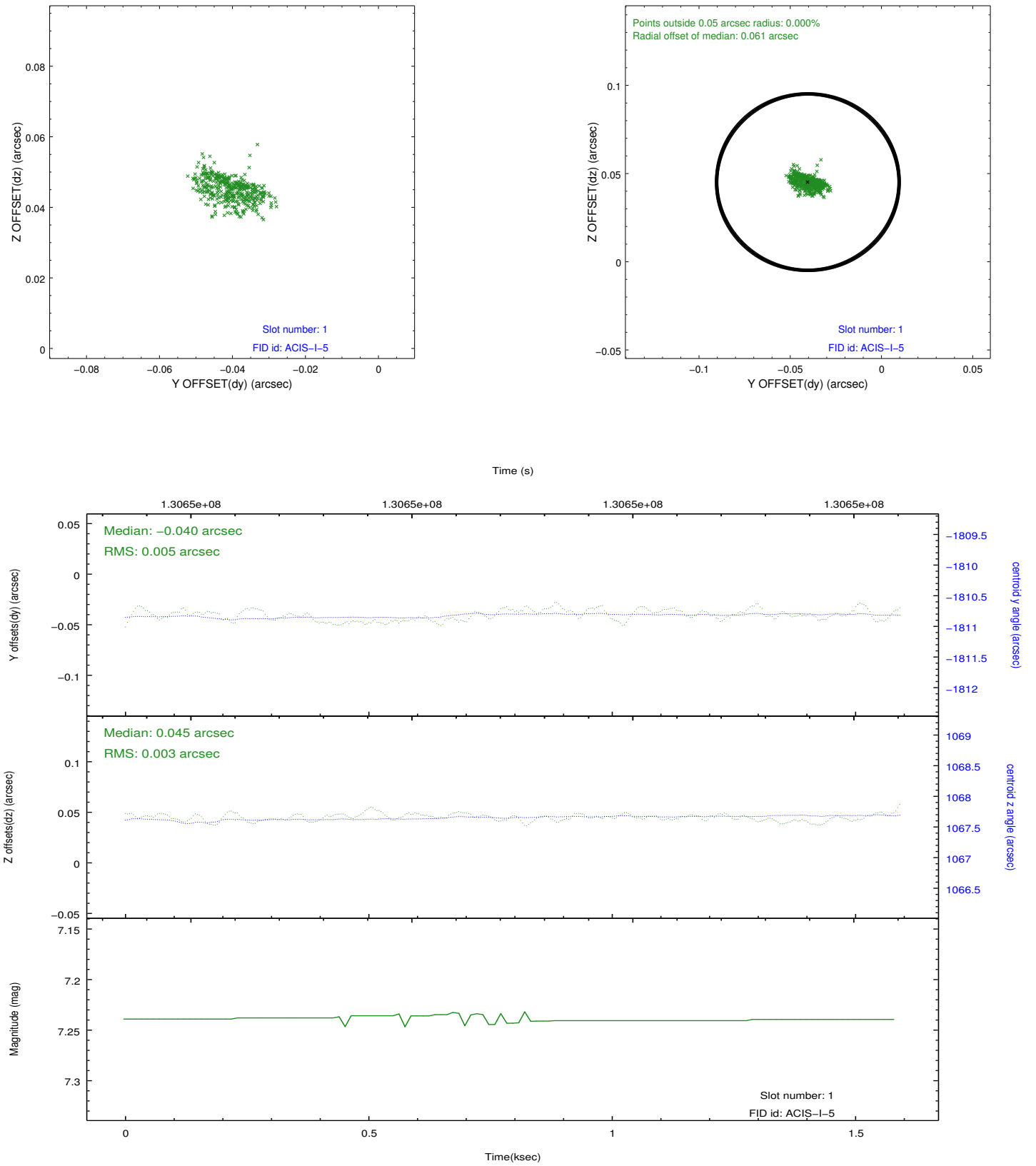


2.5 FID Slots

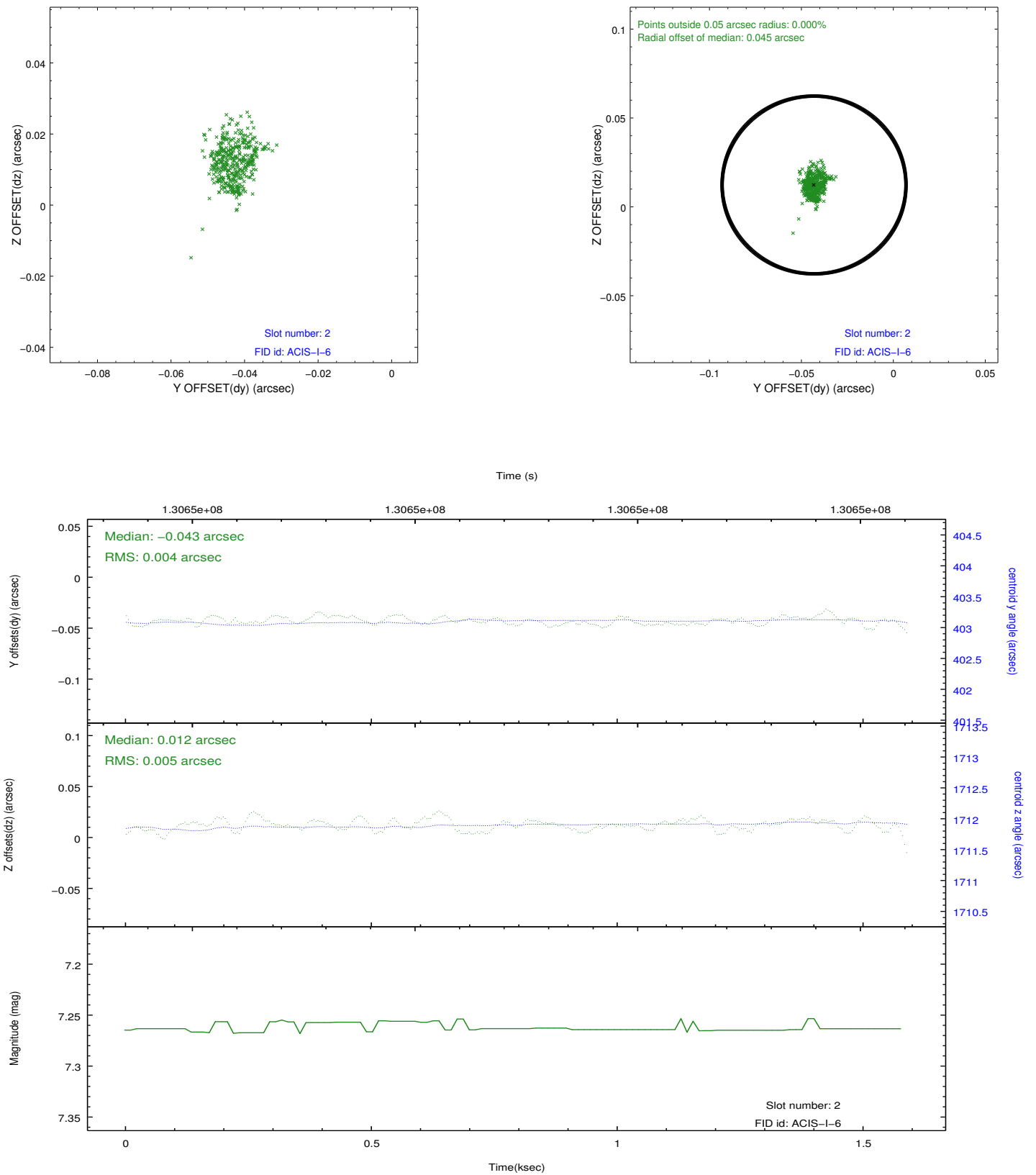
2.5.1 Slot 0



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)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.142

A.2 Comments