

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10014 - L2 Version 2  
Chandra X-Ray Center

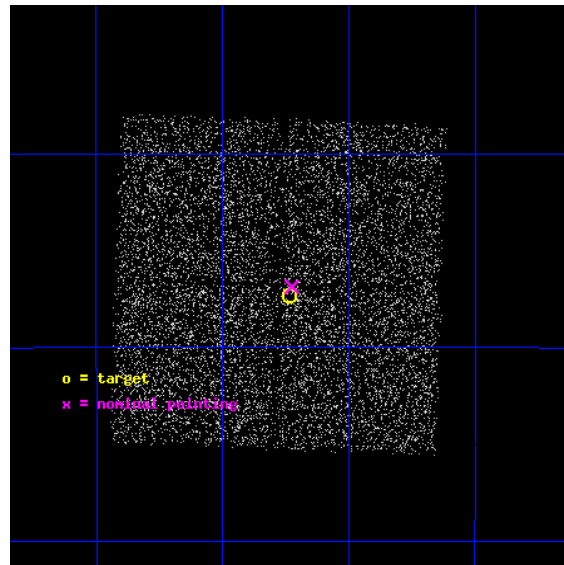
L2 Processing Date : Jun 1 2012

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# 1 Front

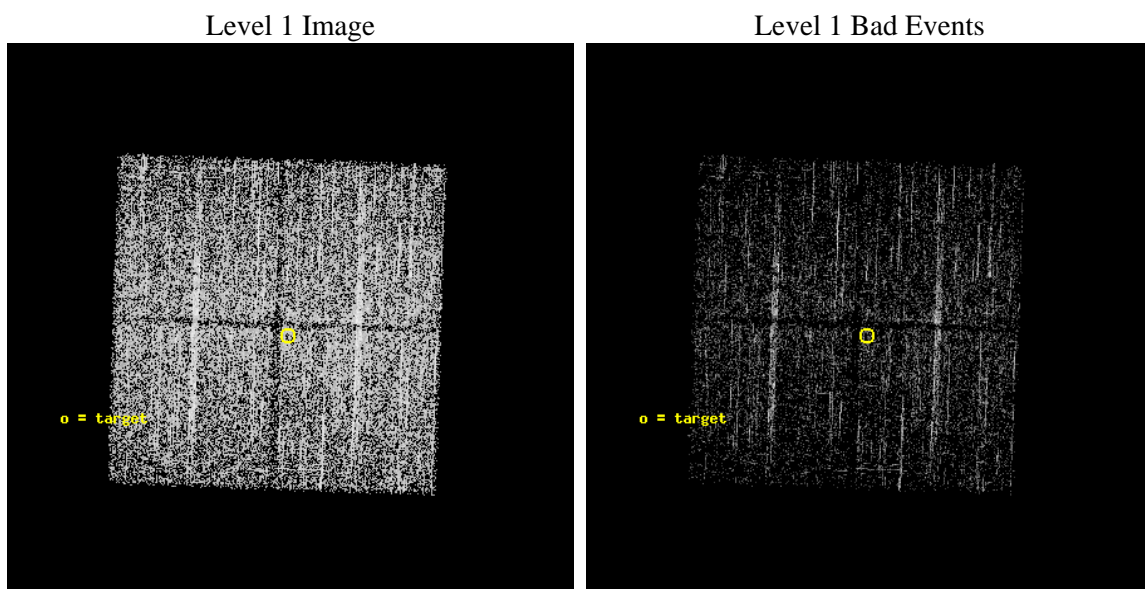
seq_num	400978	Sequence number
obs_id	10014	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS6-10	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.434458	Observer's specified target RA [deg]
dec_targ	-28.122139	Observer's specified target Dec [deg]
ra_nom	264.4314993191	Nominal RA [deg]
dec_nom	-28.114576329848	Nominal Dec [deg]
roll_nom	91.951927223004	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.3000167608	Sum of GTIs [s]
livetime	2150.8258576645	Livetime [s]
ontime0	2179.3000167608	Sum of GTIs [s]
ontime1	2179.3000167608	Sum of GTIs [s]
ontime2	2179.3000167608	Sum of GTIs [s]
ontime3	2179.3000167608	Sum of GTIs [s]
l2events	10284	Number of level 2 events



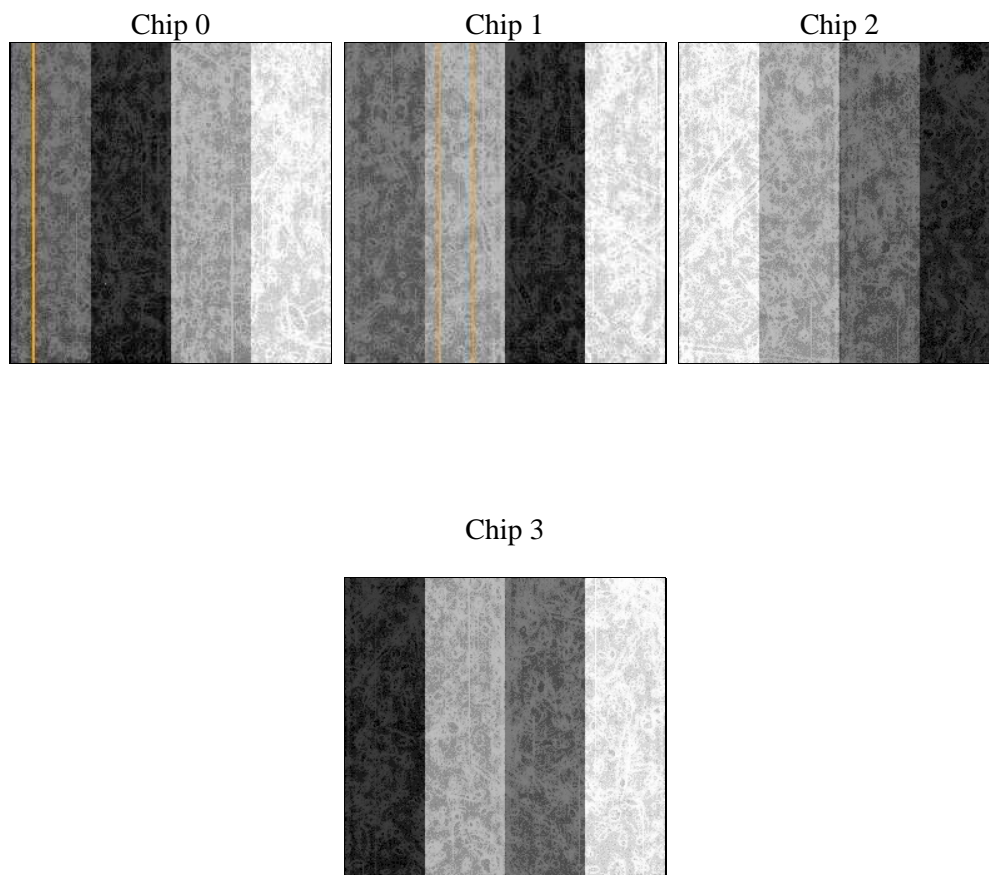
## 2 OBI

### 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	2179.3000167608	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	2179.3000167608	Sum of GTIs [s]
date	2012-06-01T05:59:31	Date and time of file creation	ontime1	2179.3000167608	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.3000167608	Sum of GTIs [s]
			ontime3	2179.3000167608	Sum of GTIs [s]
			l1events	99818	Number of level 1 events

### 2.1.4 Events

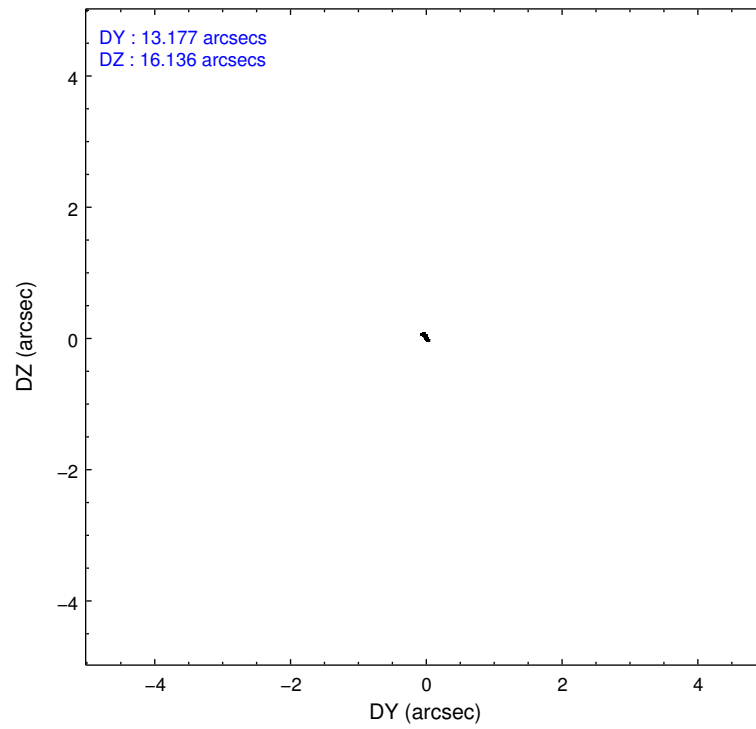
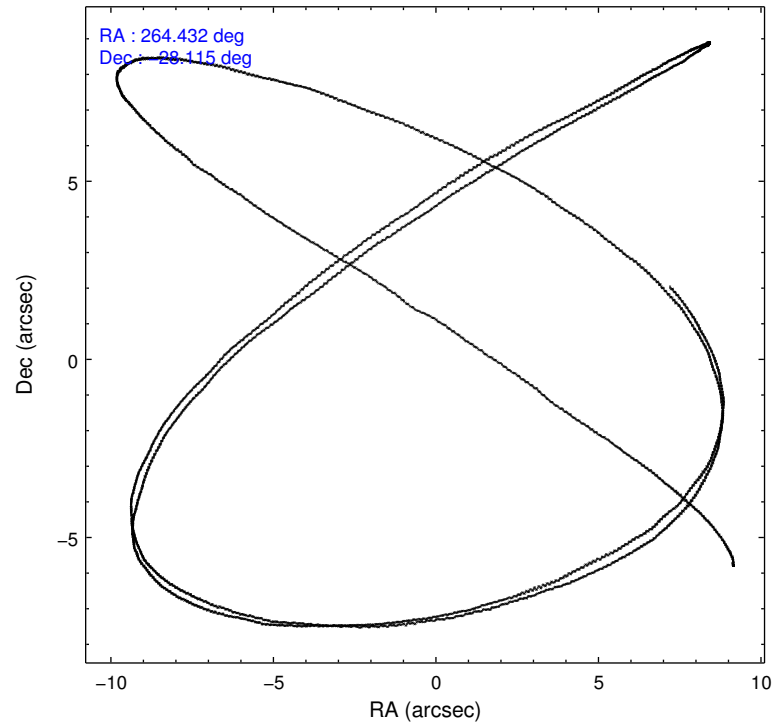
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	24623	23841	25444	25910
rejected events	21613	20649	22555	23014
rejected %	87%	86%	88%	88%

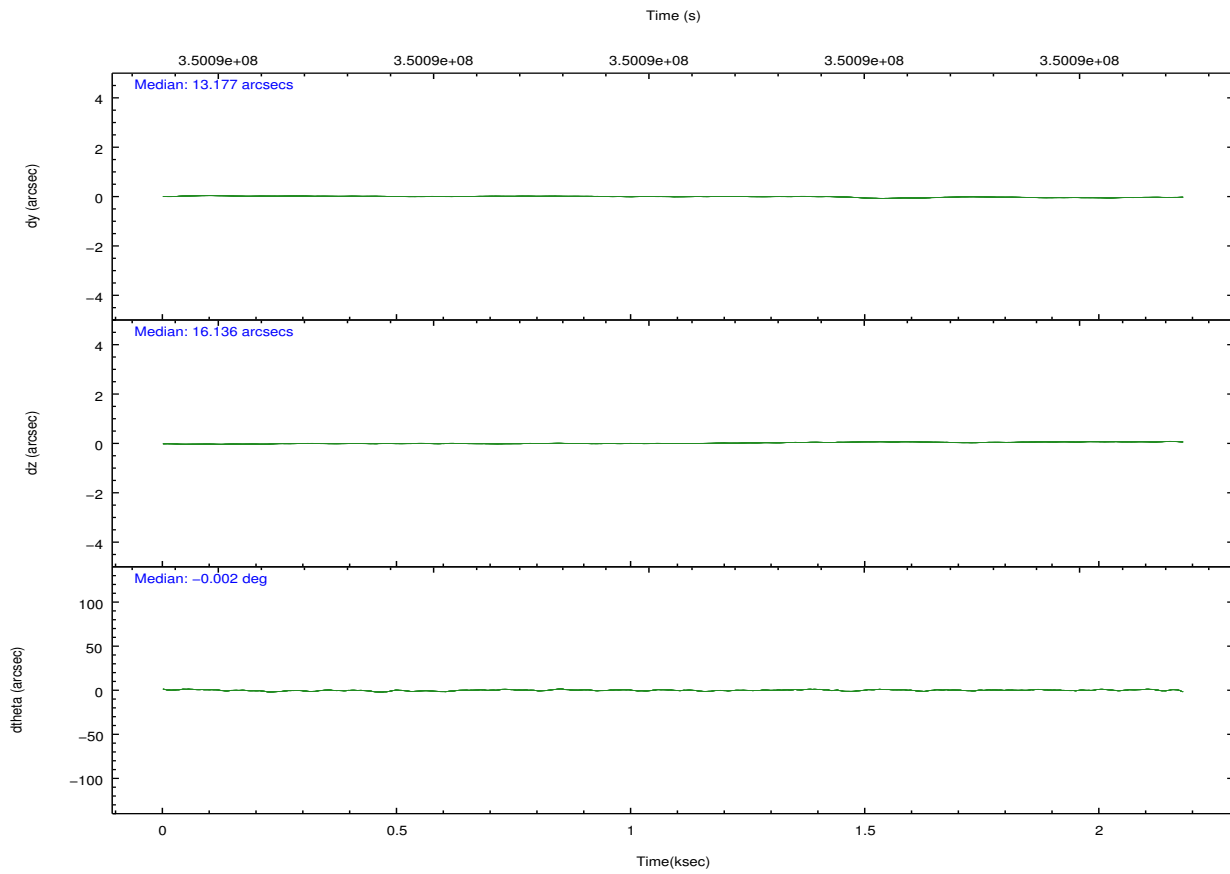
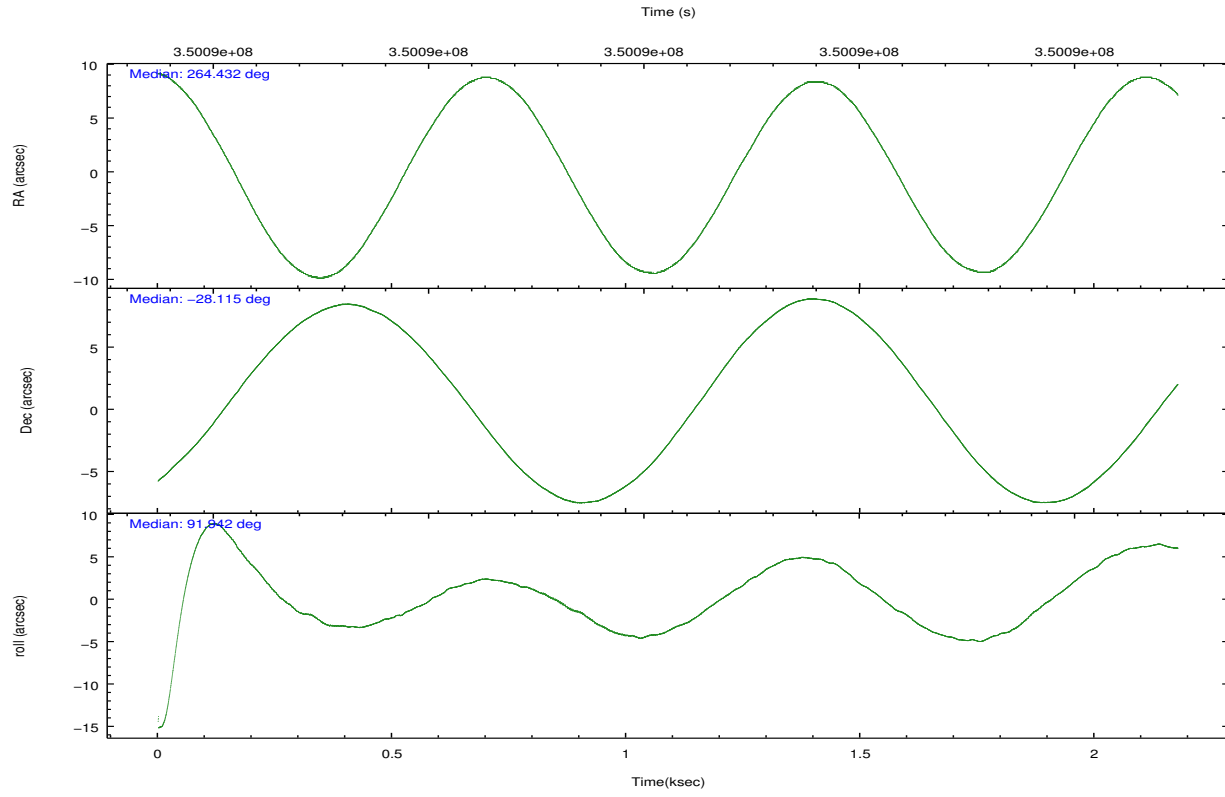
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1545	1463	1530	1525
	6%	6%	6%	5%
grade 1 events	21	16	13	28
	0%	0%	0%	0%
grade 2 events	722	822	711	665
	2%	3%	2%	2%
grade 3 events	306	344	271	286
	1%	1%	1%	1%
grade 4 events	281	322	268	308
	1%	1%	1%	1%
grade 5 events	1164	1137	1066	1214
	4%	4%	4%	4%
grade 6 events	615	681	527	532
	2%	2%	2%	2%
grade 7 events	19969	19056	21058	21352
	81%	79%	82%	82%

## 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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	264.448047	264.4314993190977	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.137780	-28.11457632984845	Alternating exposures requested	N	N
[deg] Pointing Roll	91.751074	91.95192722300422	[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)	350092148.184000	350091772.30553			
Observation start date	2009-02-03T23:48:02	2009-02-03T23:42:52			
[s] Observation end time (MET)	350094148.184000	350094282.53066			
Observation end date	2009-02-04T00:21:22	2009-02-04T00:24:42			
Read mode	TIMED	TIMED			

## 2.3 Aspect





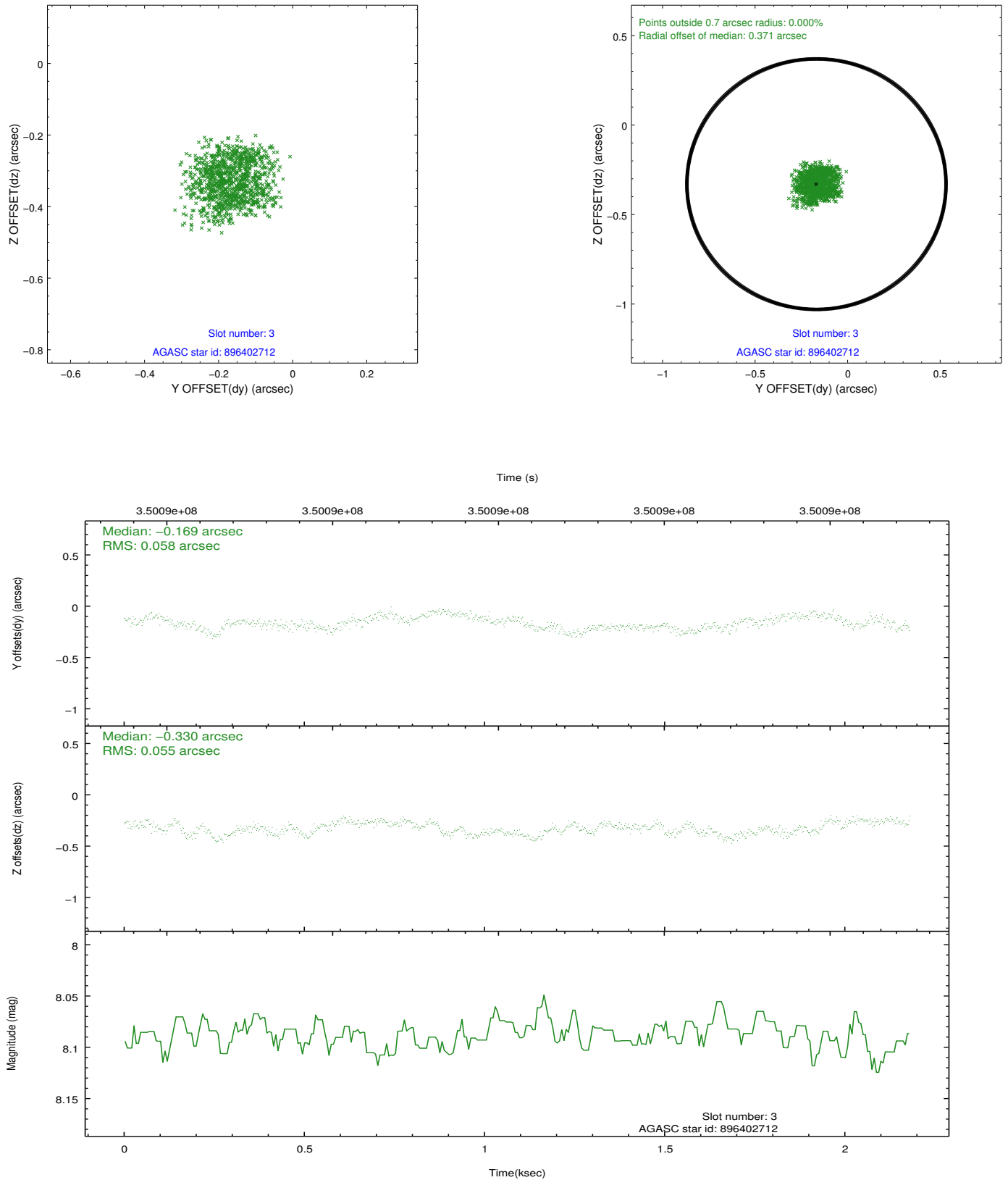
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	532	-0.016	-0.064	0.011	0.018	0.000000	0.000000	926.32	-839.85
1	FID	ACIS-I-4	6.93	532	0.152	0.076	0.009	0.015	0.000000	0.000000	2148.19	1058.59
2	FID	ACIS-I-5	6.99	532	-0.234	0.059	0.006	0.013	0.000000	0.000000	-1818.05	1059.83
3	GUIDE	896402712	8.09	1064	-0.169	-0.330	0.088	0.128	263.793333	-28.203661	-179.24	2083.63
4	GUIDE	896405048	8.29	1064	0.060	0.052	0.082	0.122	264.482575	-28.152230	-54.98	-105.53
5	GUIDE	896405616	7.85	1064	0.015	0.119	0.077	0.120	264.752771	-28.412560	-1019.52	-933.22
6	GUIDE	896405976	9.10	1063	0.069	0.273	0.076	0.122	264.638127	-28.604395	-1698.19	-549.64
7	GUIDE	896406568	8.26	1063	0.023	-0.125	0.110	0.162	264.435951	-28.437282	-1077.65	70.81

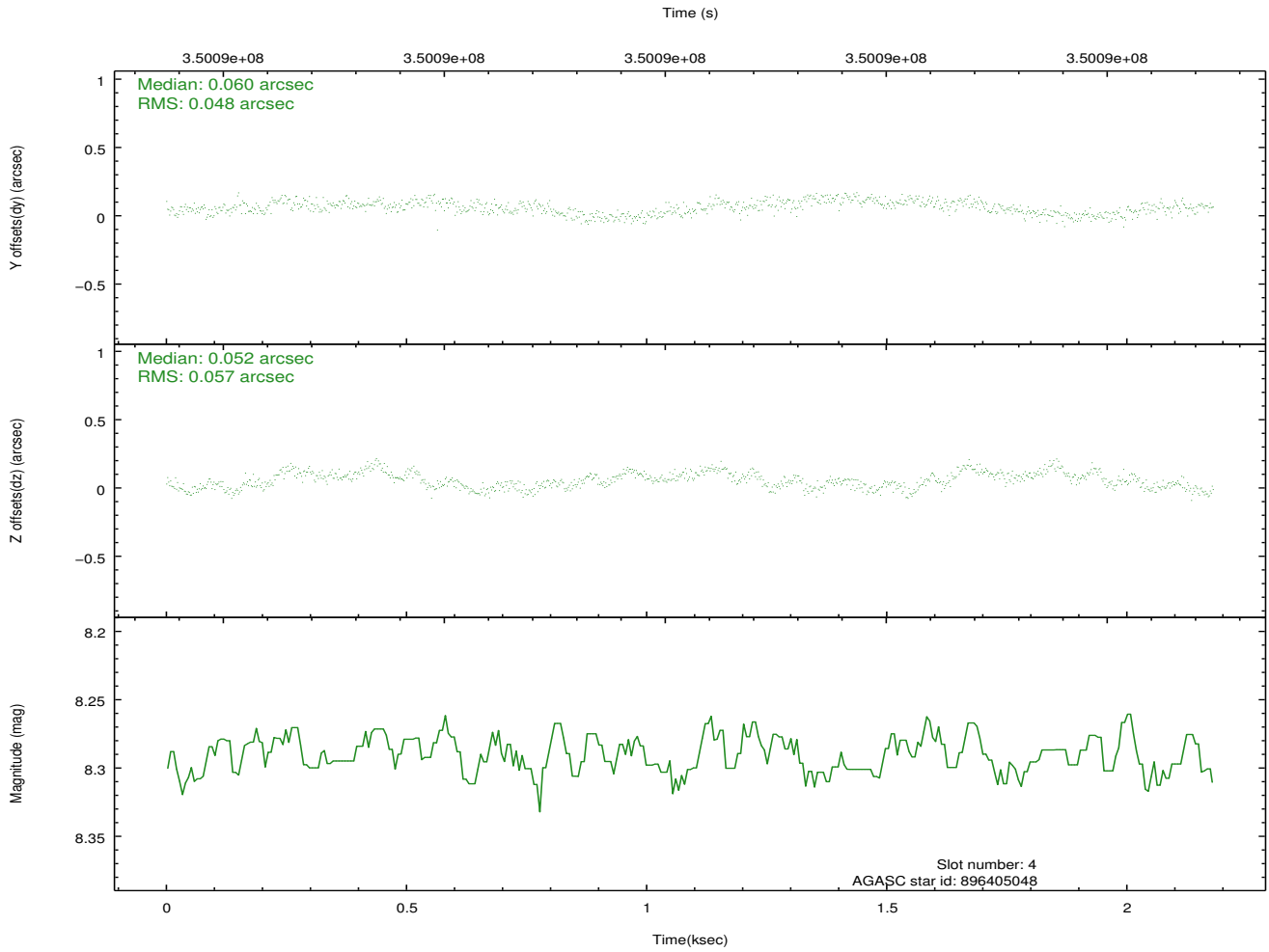
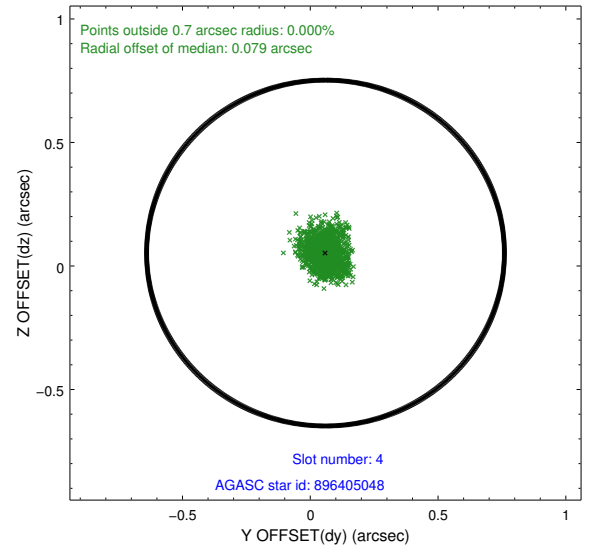
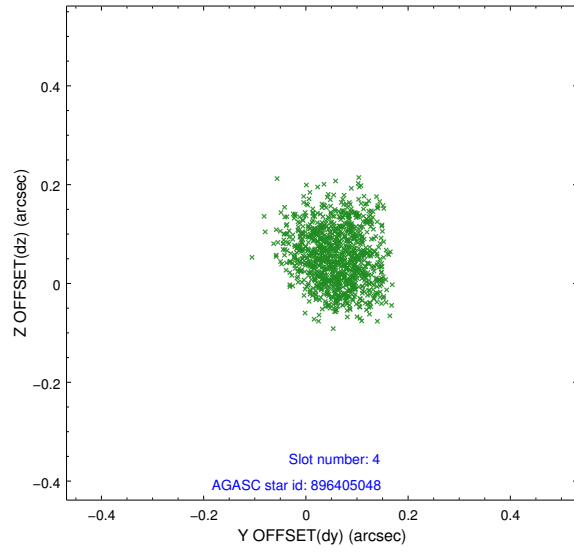


## 2.4 Star Slots

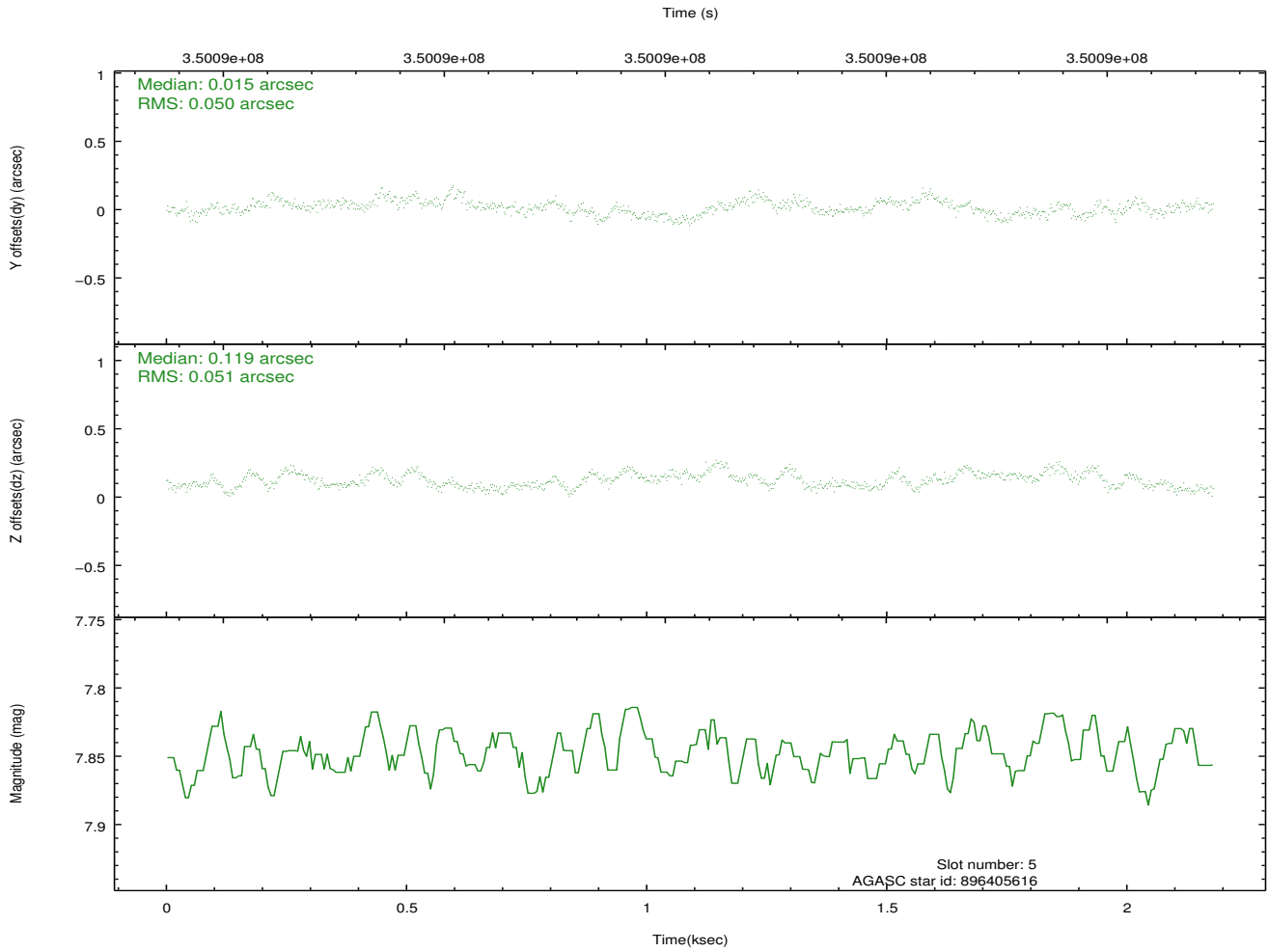
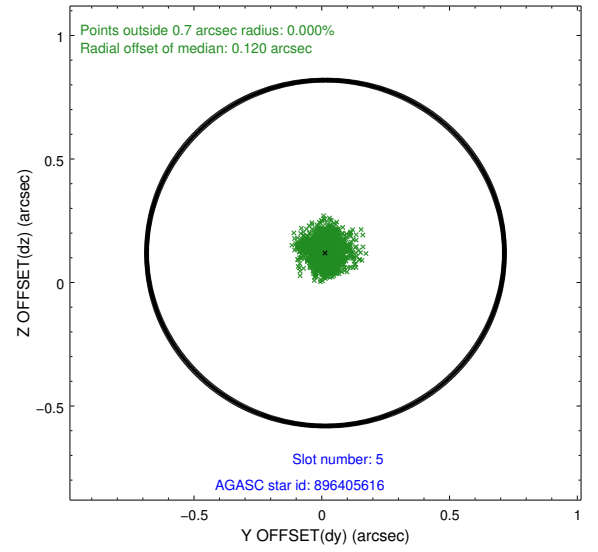
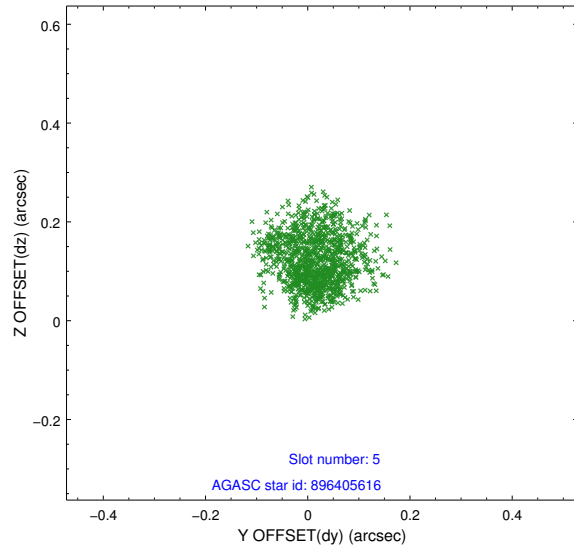
### 2.4.1 Slot 3



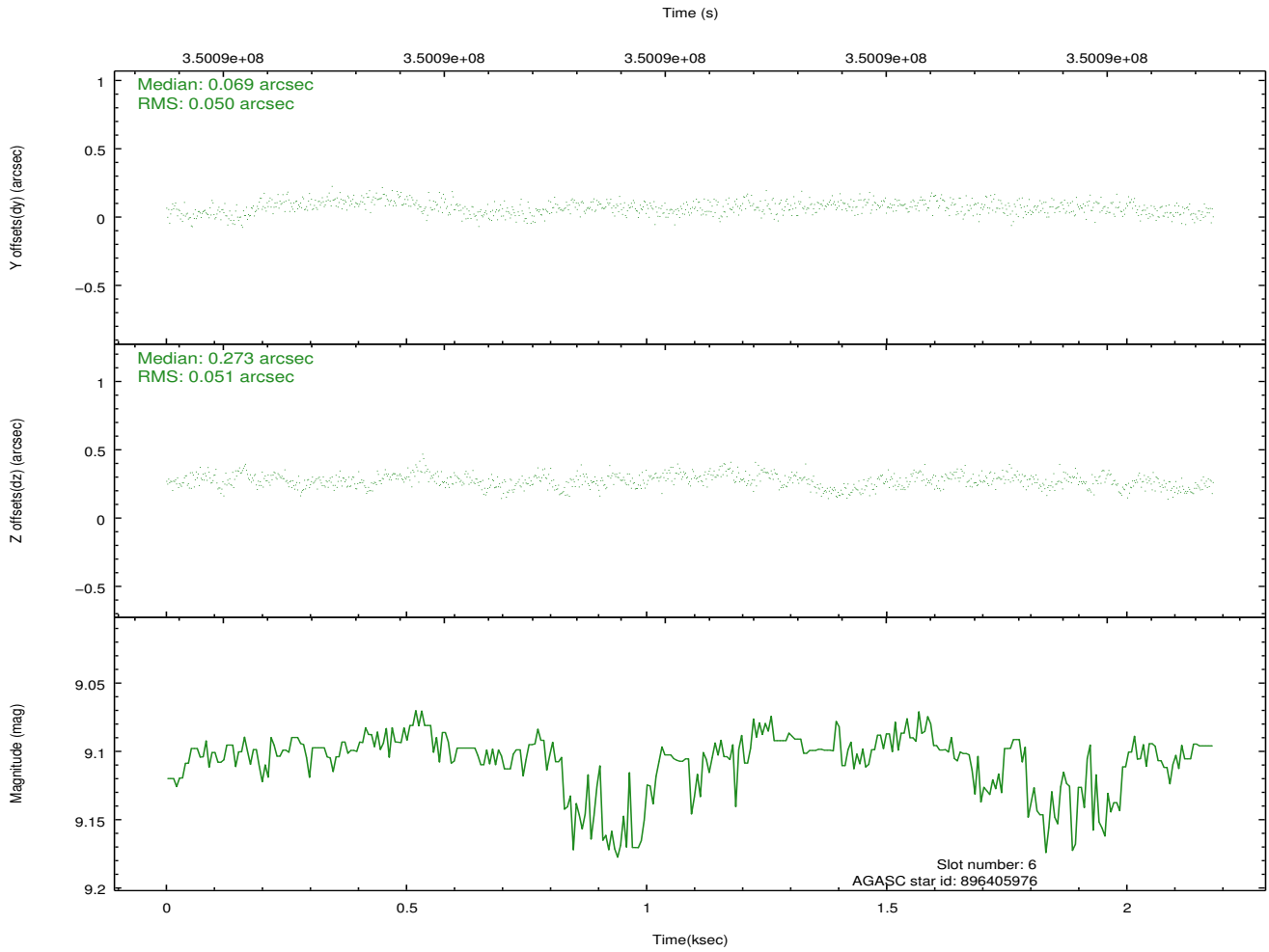
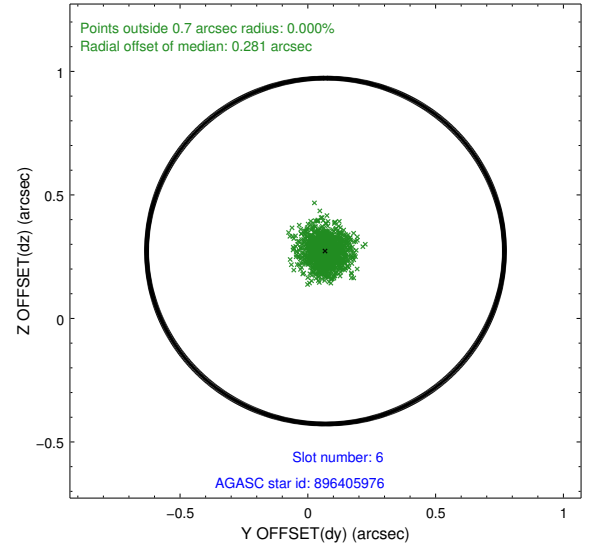
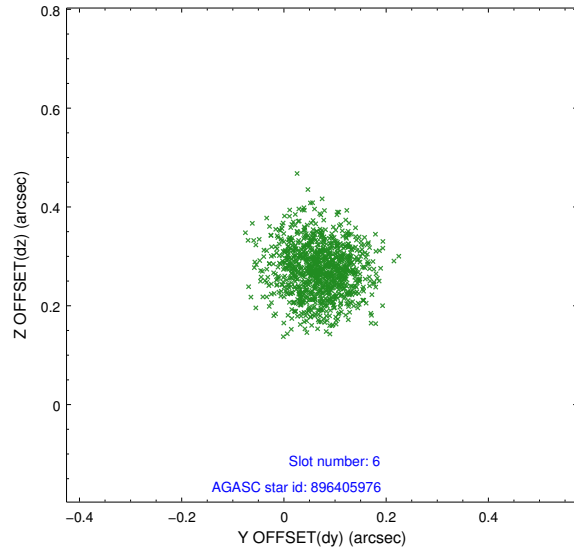
## 2.4.2 Slot 4



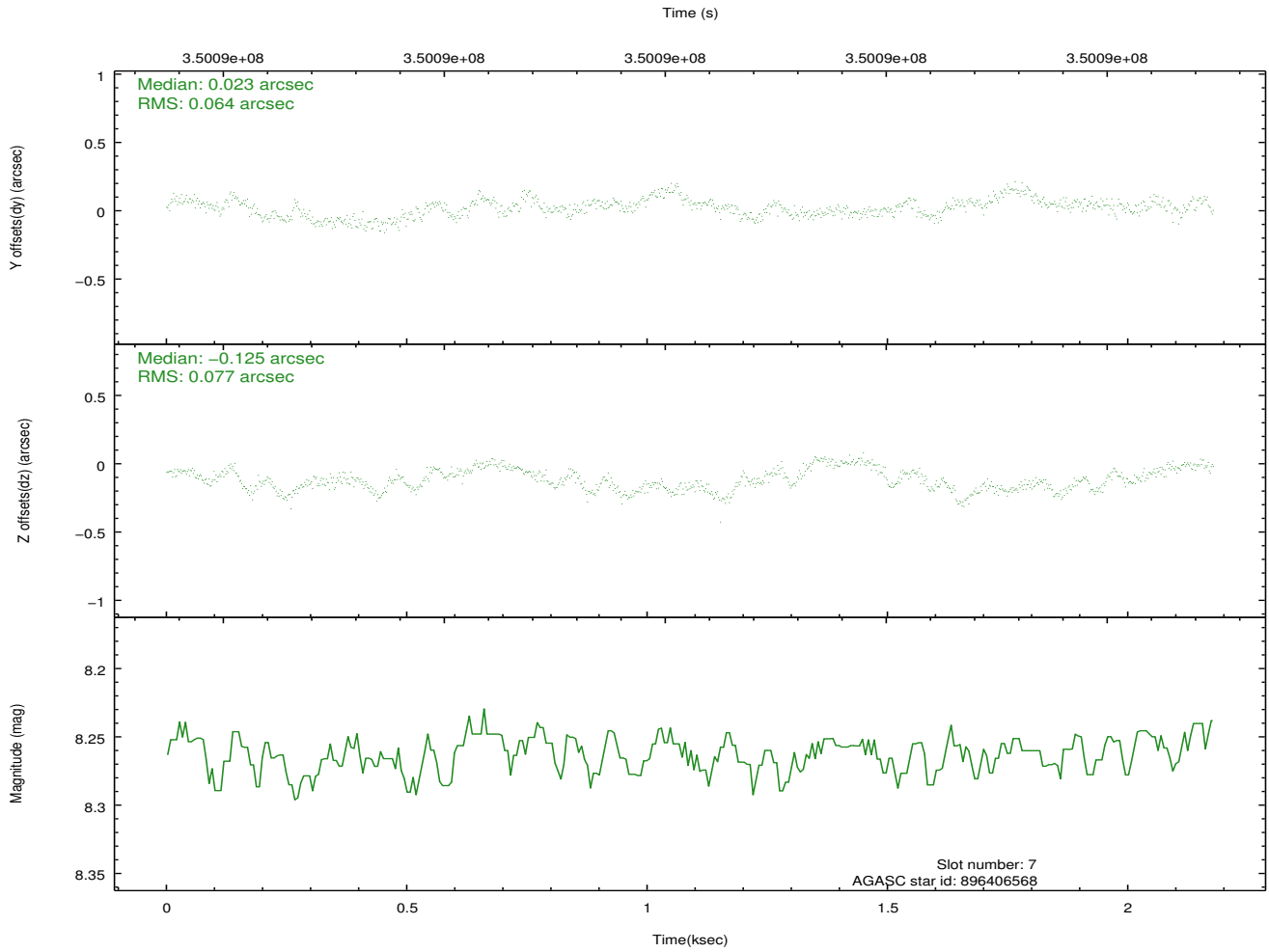
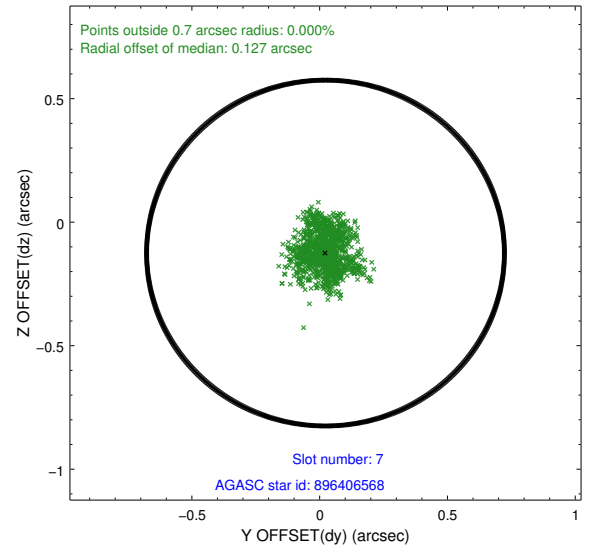
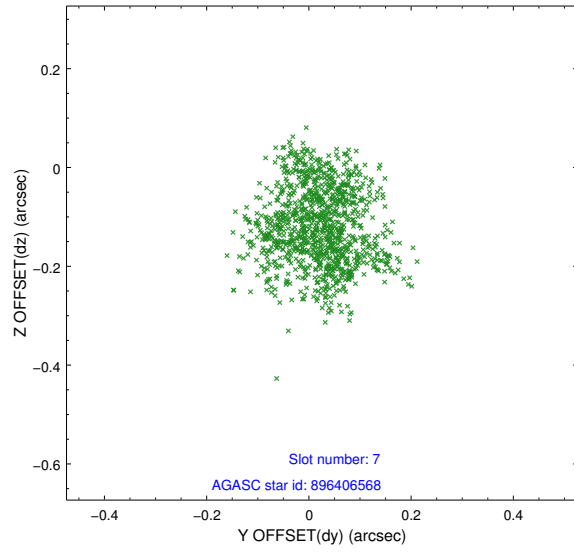
### 2.4.3 Slot 5



## 2.4.4 Slot 6

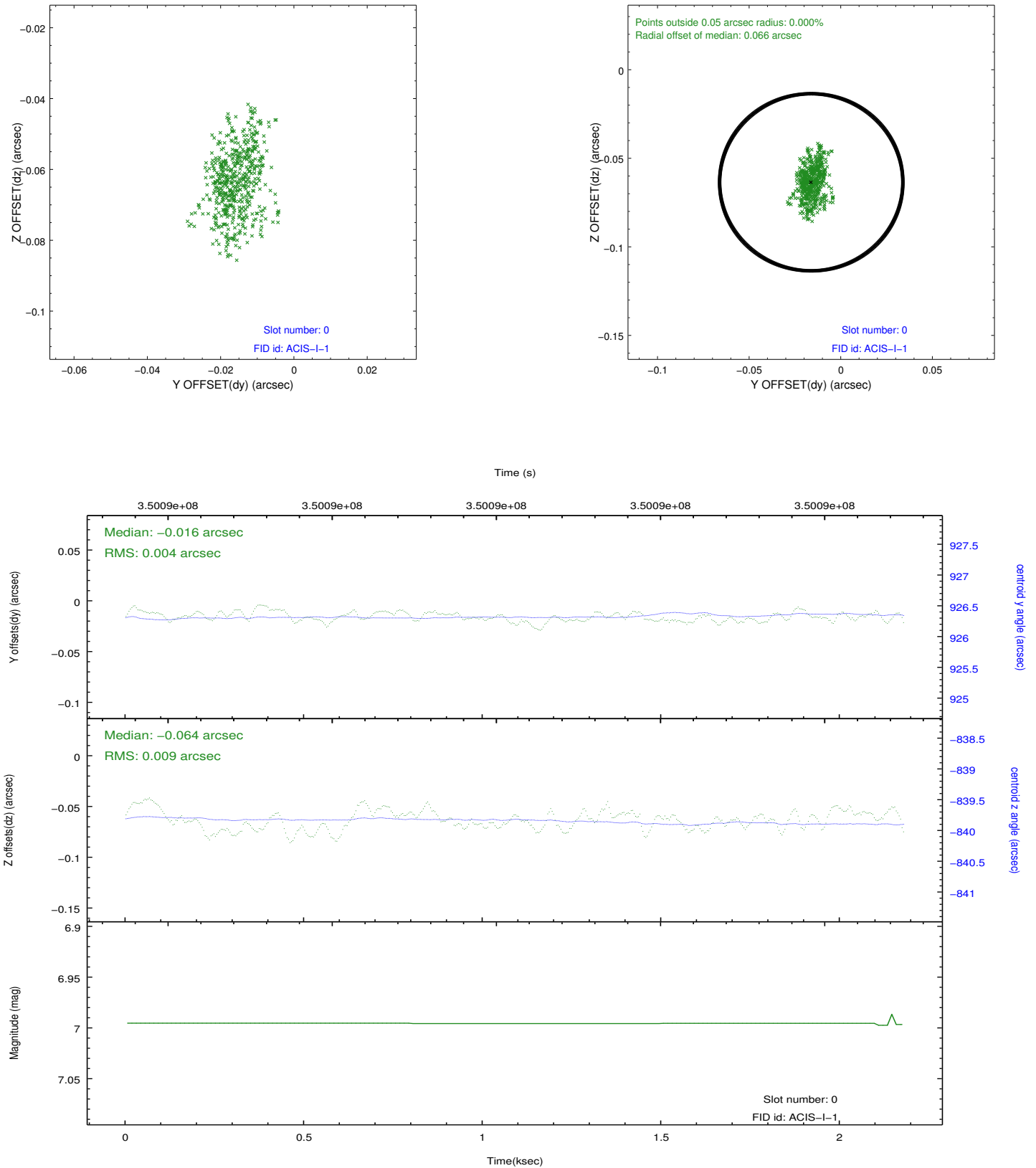


## 2.4.5 Slot 7

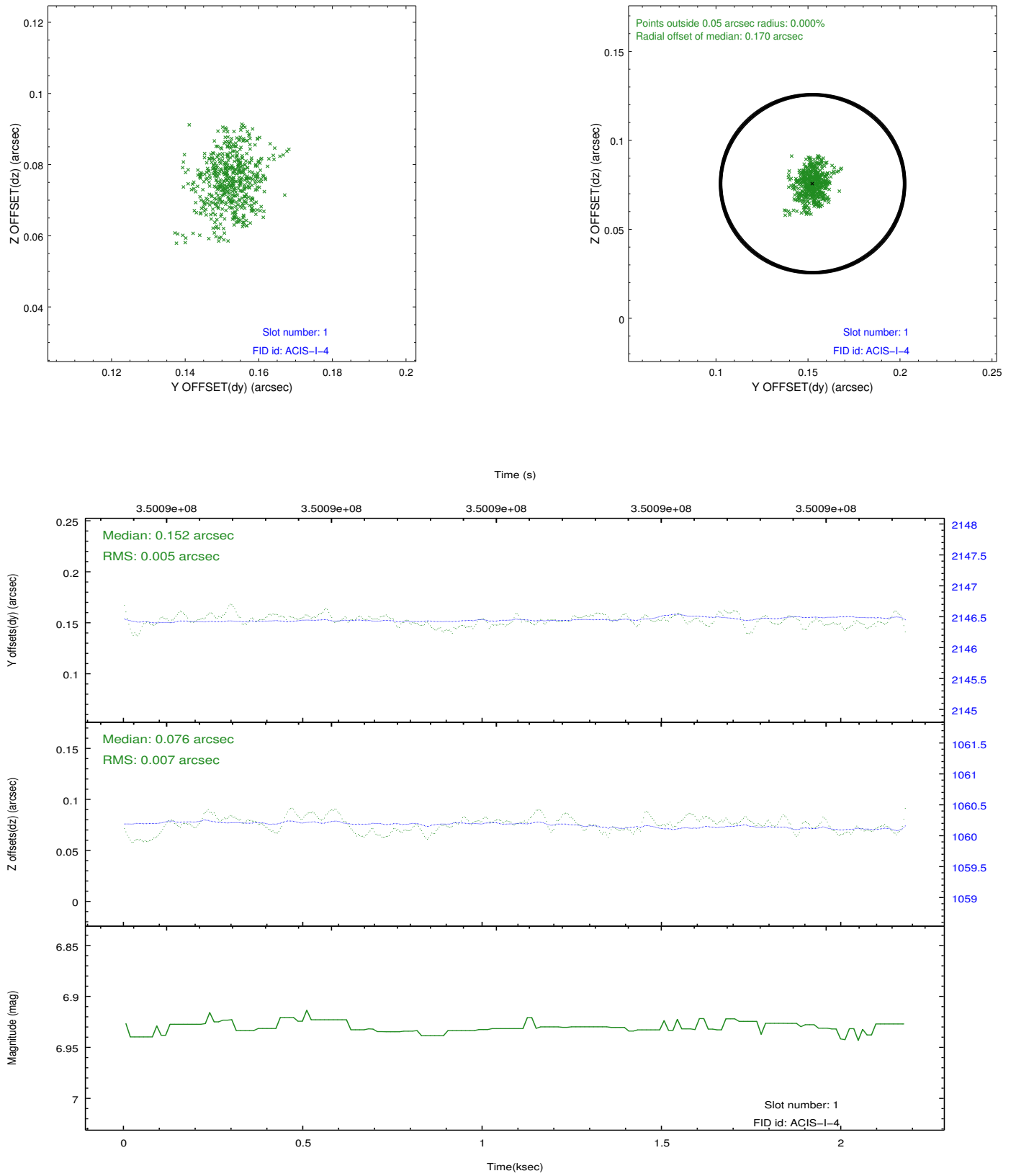


## 2.5 FID Slots

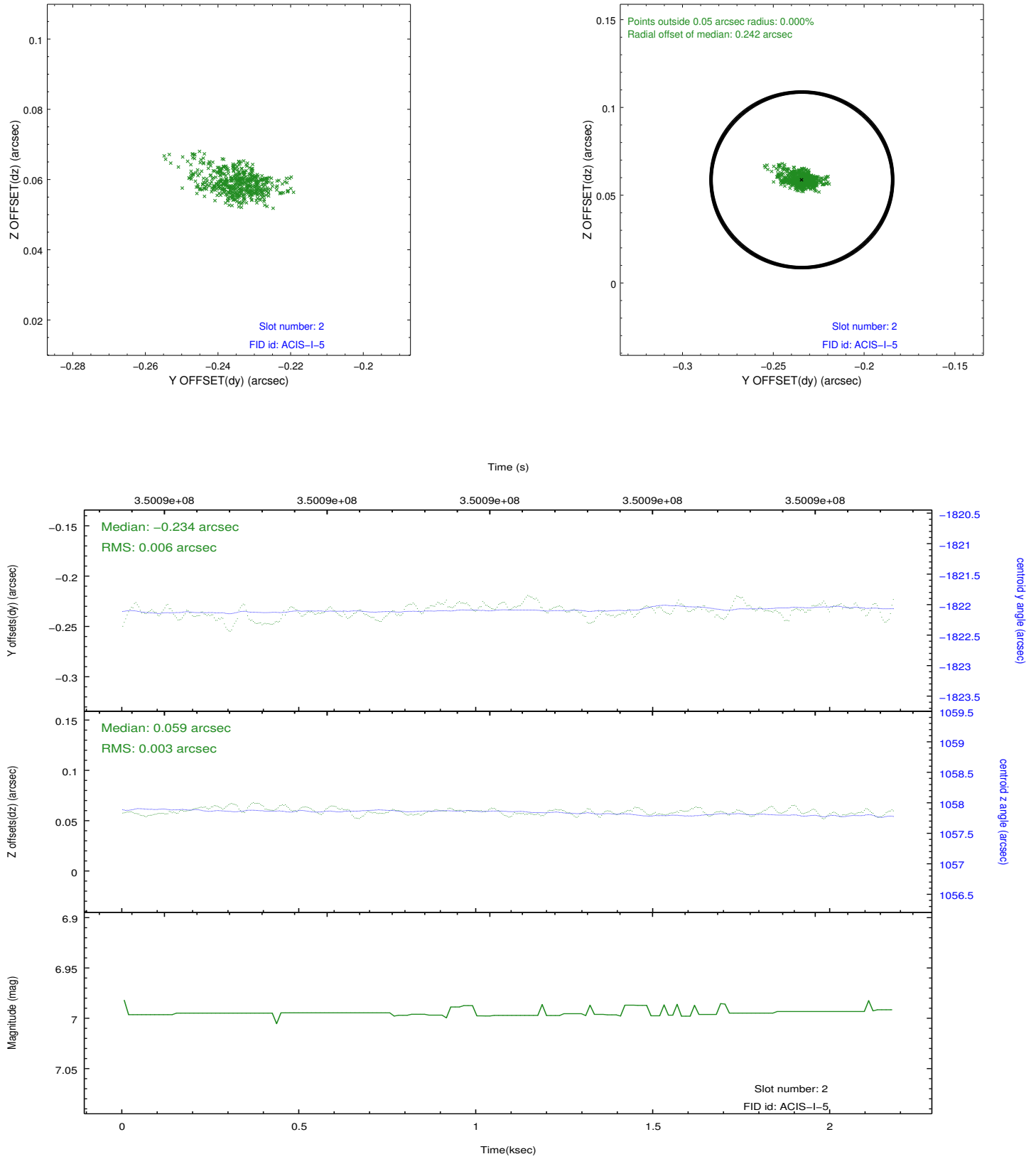
### 2.5.1 Slot 0



## 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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17930001

### A.2 Comments

Joint Proposal: NOAO