

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9979 - L2 Version 2  
Chandra X-Ray Center

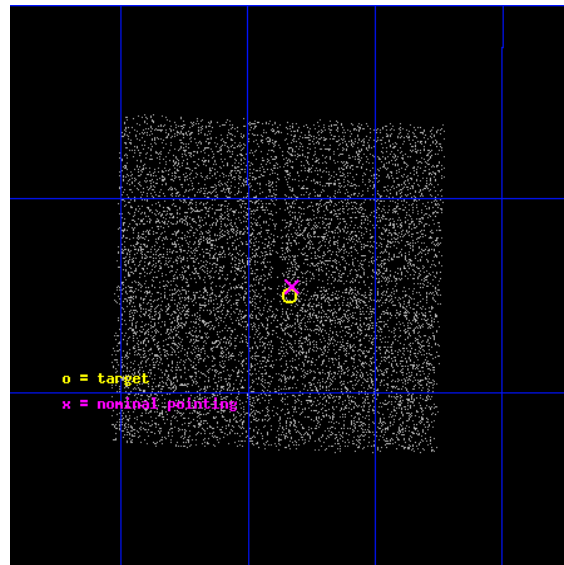
L2 Processing Date : Jun 1 2012

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# 1 Front

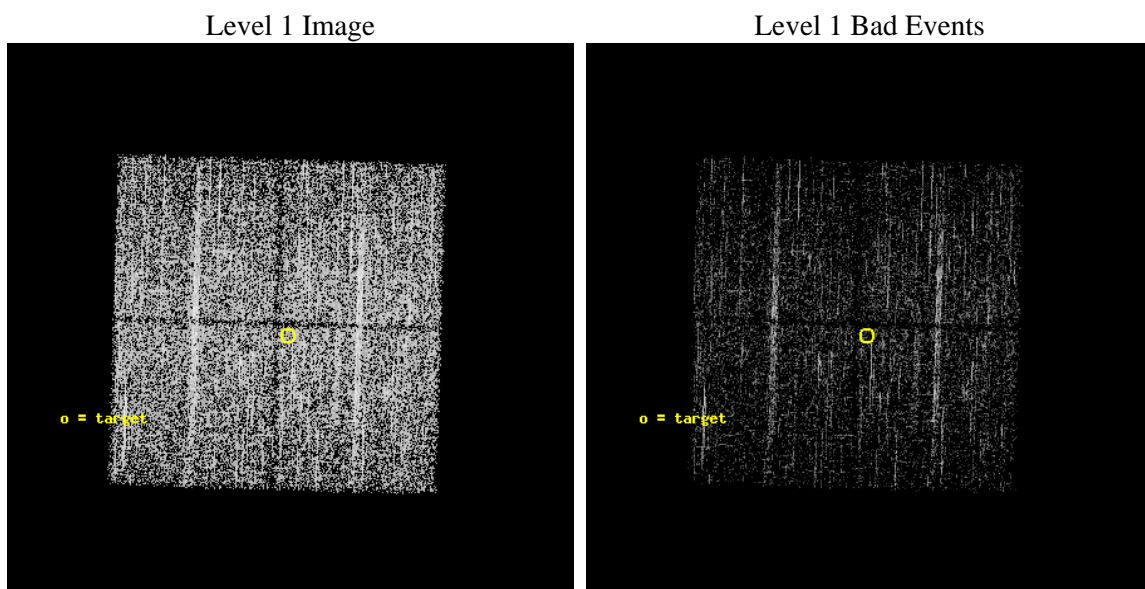
seq_num	400943	Sequence number
obs_id	9979	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1-10	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.084917	Observer's specified target RA [deg]
dec_targ	-27.583778	Observer's specified target Dec [deg]
ra_nom	265.08194266295	Nominal RA [deg]
dec_nom	-27.57596350086	Nominal Dec [deg]
roll_nom	91.754287506829	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.4000167847	Sum of GTIs [s]
livetime	2153.8853539059	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
l2events	10362	Number of level 2 events



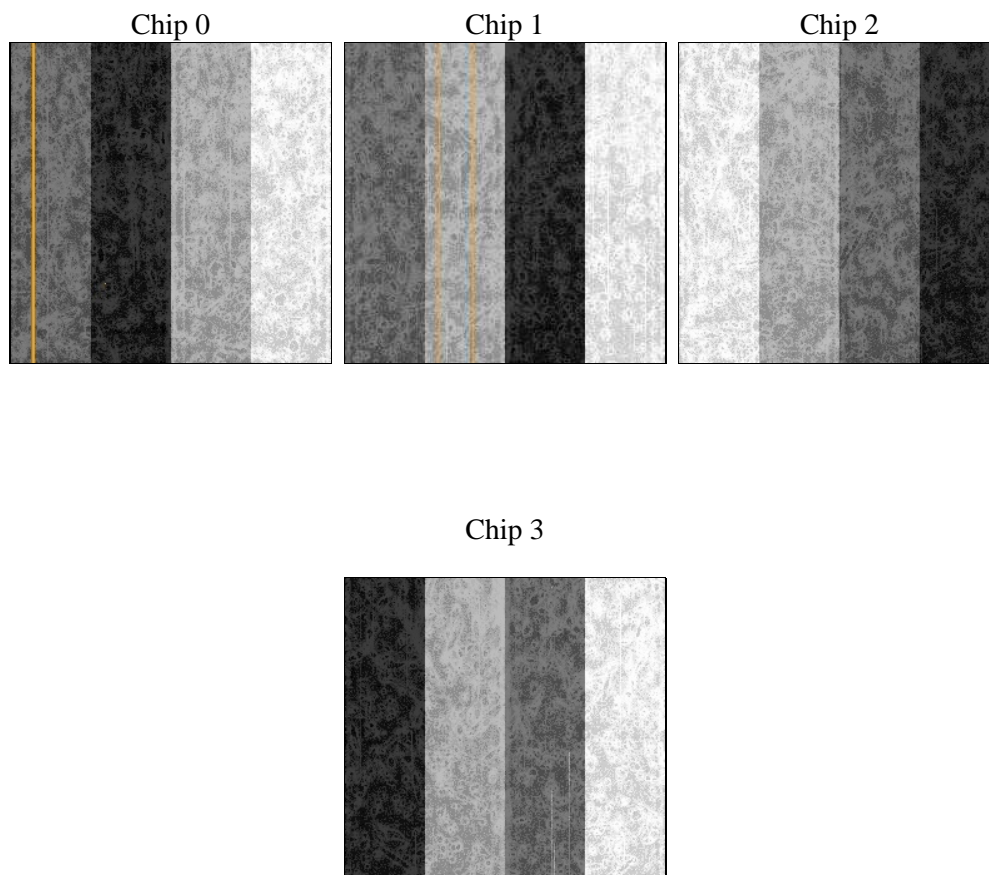
## 2 OBI

### 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	2182.4000167847	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-06-01T06:01:55	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.4000167847	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			l1events	100014	Number of level 1 events

### 2.1.4 Events

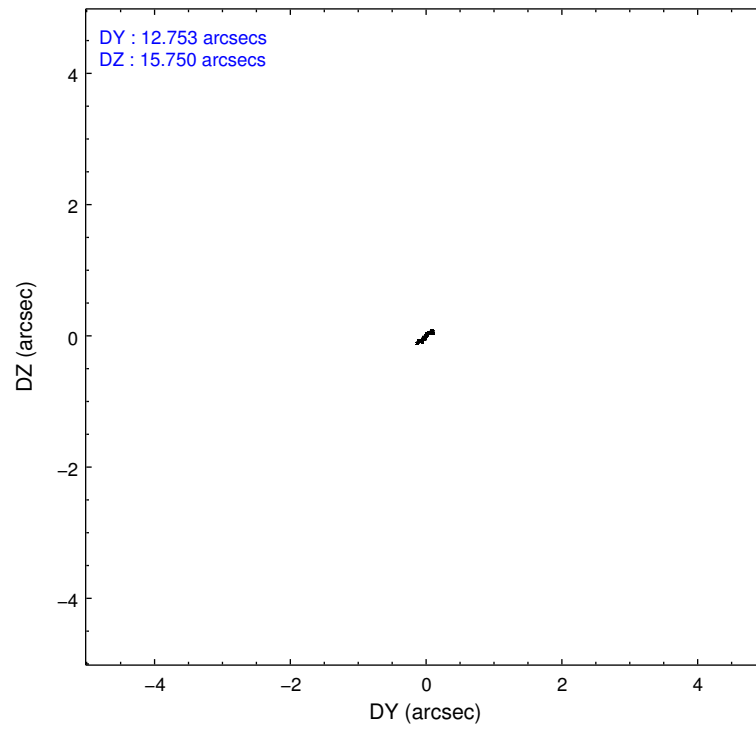
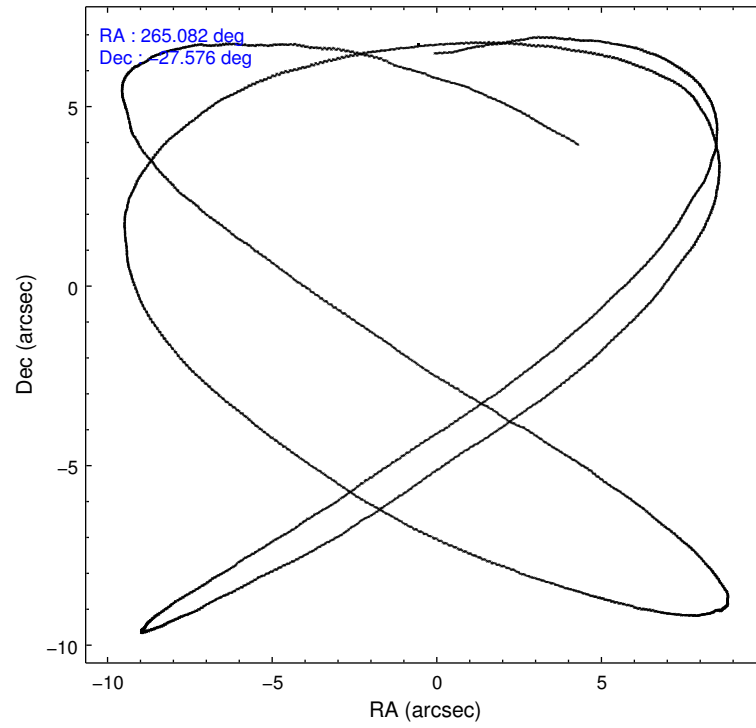
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23702	24704	26360	25248
rejected events	20701	21558	23392	22272
rejected %	87%	87%	88%	88%

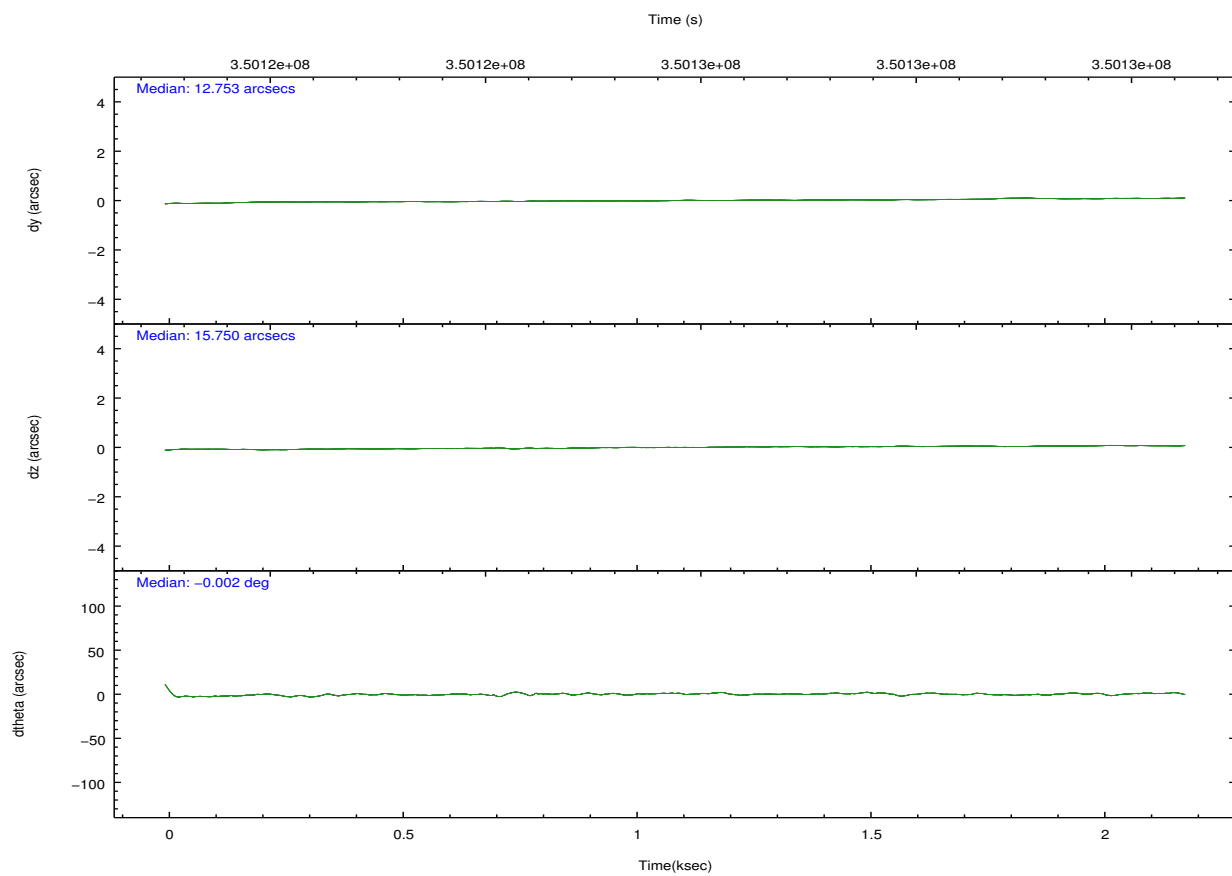
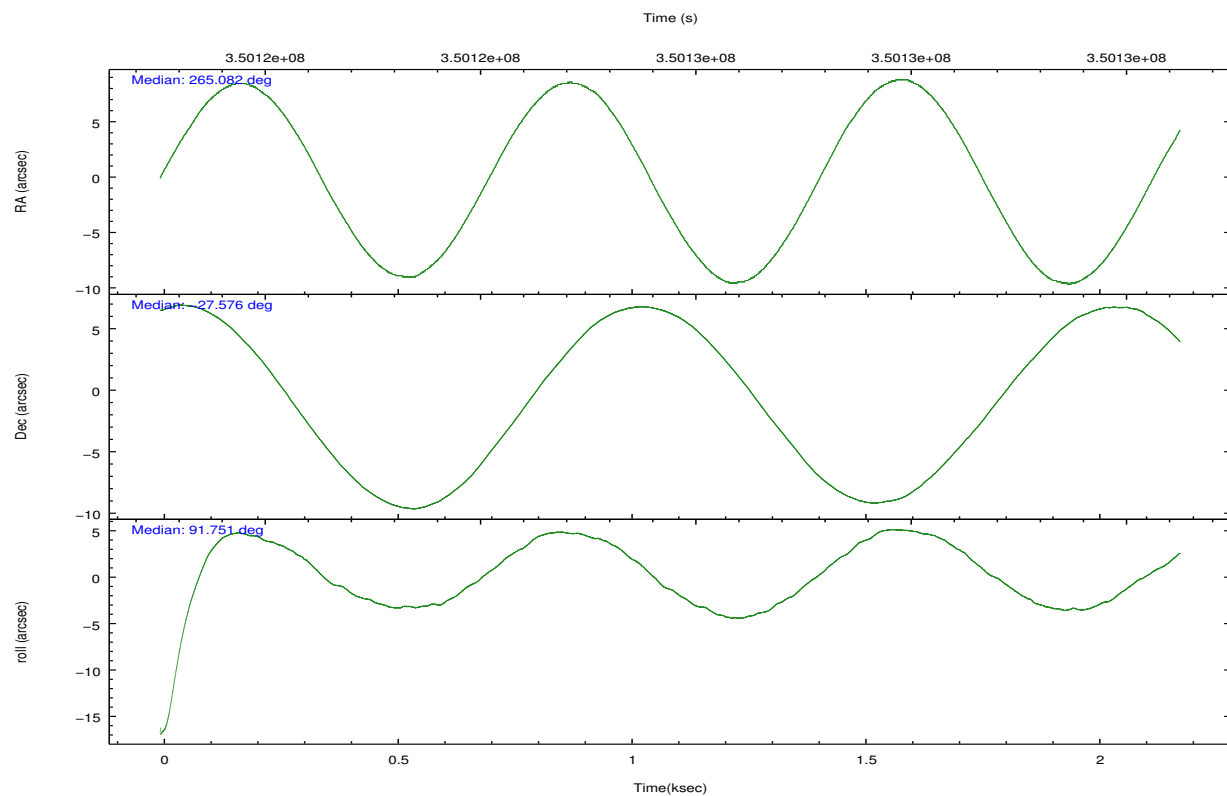
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1465	1496	1648	1582
	6%	6%	6%	6%
grade 1 events	17	20	13	15
	0%	0%	0%	0%
grade 2 events	784	781	669	693
	3%	3%	2%	2%
grade 3 events	300	326	303	276
	1%	1%	1%	1%
grade 4 events	279	349	298	329
	1%	1%	1%	1%
grade 5 events	1100	1202	1012	1148
	4%	4%	3%	4%
grade 6 events	596	689	516	547
	2%	2%	1%	2%
grade 7 events	19161	19841	21901	20658
	80%	80%	83%	81%

## 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	265.098375	265.0819426629471	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.599455	-27.57596350086019	Alternating exposures requested	N	N
[deg] Pointing Roll	91.553246	91.75428750682886	[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)	350124524.184000	350124147.95714			
Observation start date	2009-02-04T08:47:38	2009-02-04T08:42:27			
[s] Observation end time (MET)	350126524.184000	350126658.18226			
Observation end date	2009-02-04T09:20:58	2009-02-04T09:24:18			
Read mode	TIMED	TIMED			

## 2.3 Aspect





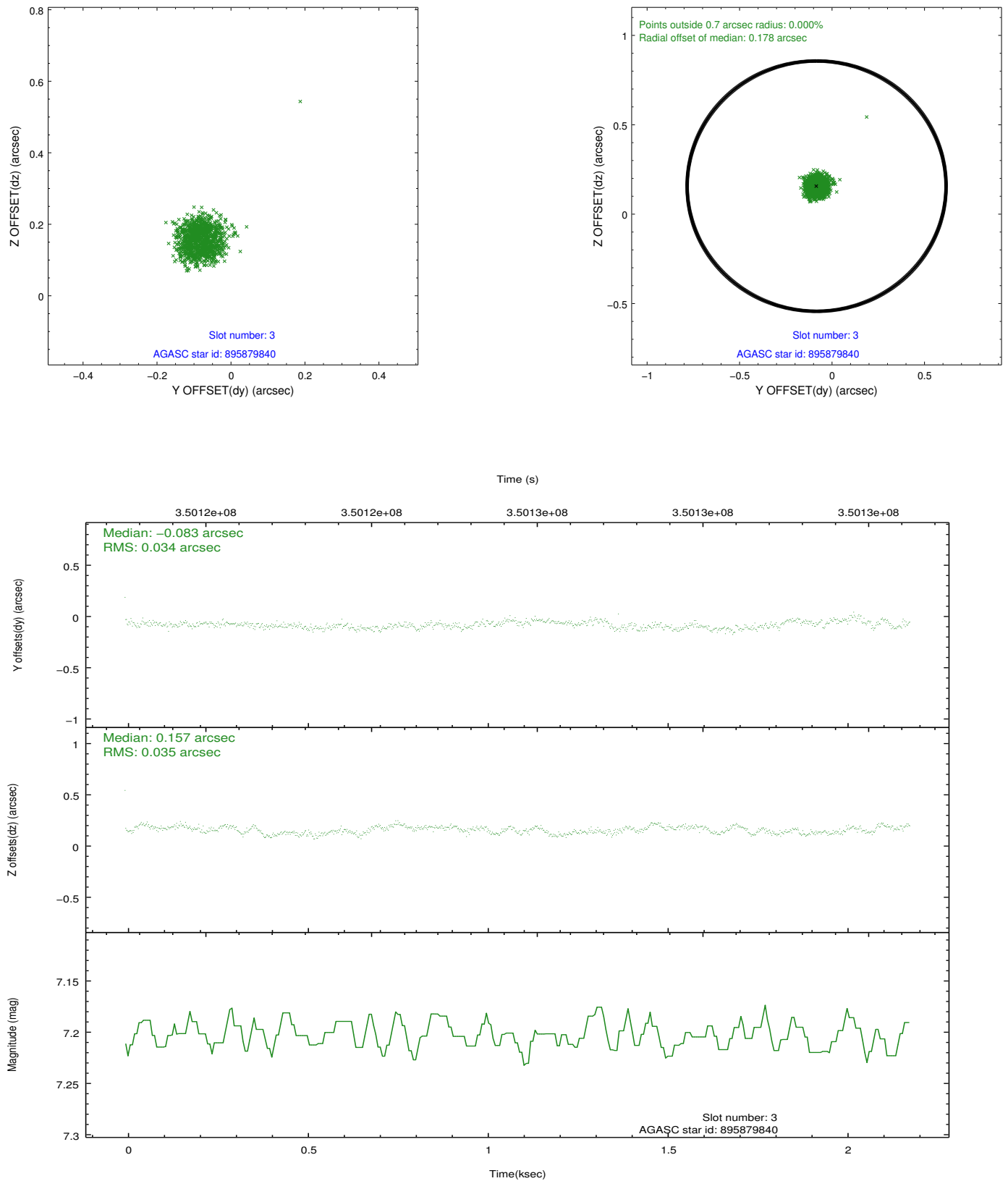
### Slot Statistics

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	-0.064	0.003	0.010	0.022	0.000000	0.000000	926.70	-839.36
1	FID	ACIS-I-2	6.94	532	-0.144	-0.065	0.010	0.015	0.000000	0.000000	-765.81	-847.37
2	FID	ACIS-I-4	6.93	532	0.110	0.129	0.008	0.015	0.000000	0.000000	2145.40	1059.05
3	GUIDE	895879840	7.20	1065	-0.083	0.157	0.050	0.077	265.218397	-27.395778	721.59	-402.78
4	GUIDE	896403960	8.60	1062	0.101	-0.126	0.071	0.124	264.379044	-28.245612	-2270.23	2343.32
5	GUIDE	896405048	8.28	1065	0.182	-0.249	0.070	0.118	264.482575	-28.152230	-1943.91	2010.07
6	GUIDE	895877272	7.85	1065	-0.287	-0.035	0.061	0.103	264.774842	-26.937569	2405.26	975.76
7	GUIDE	896402656	8.86	1064	0.081	0.255	0.081	0.123	265.739192	-28.230753	-2330.46	-1968.94

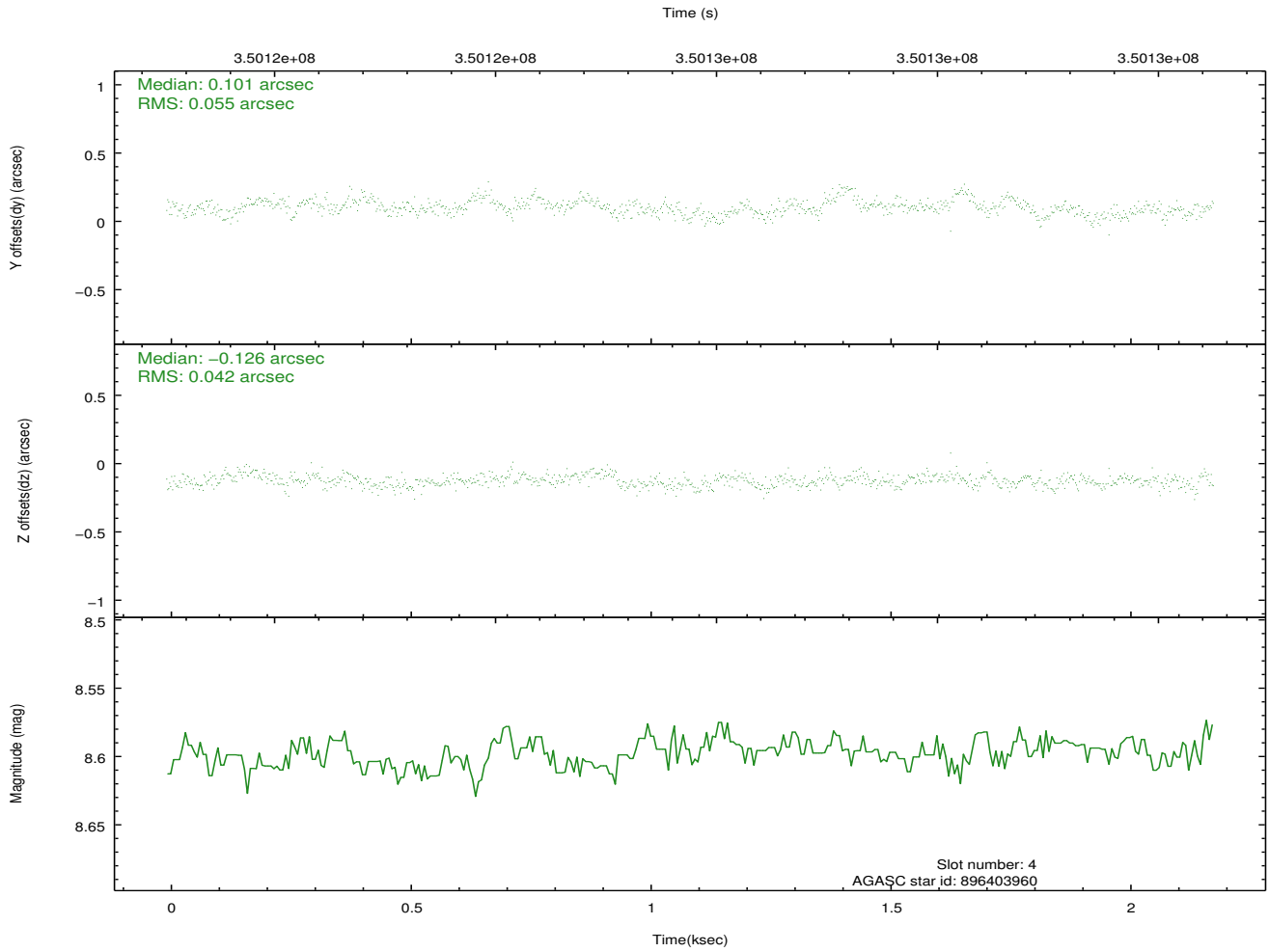
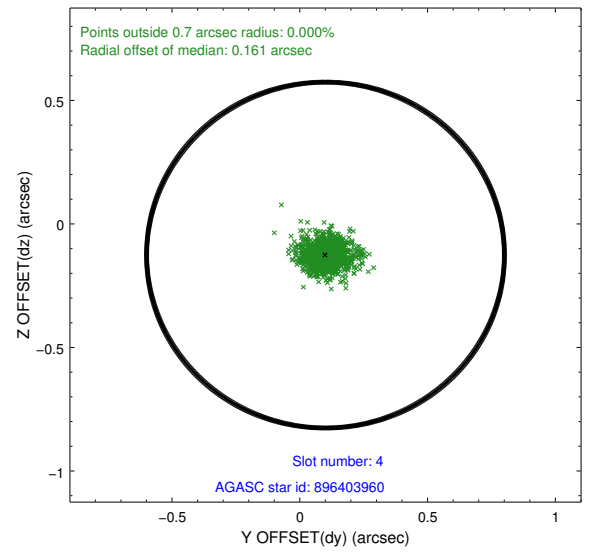
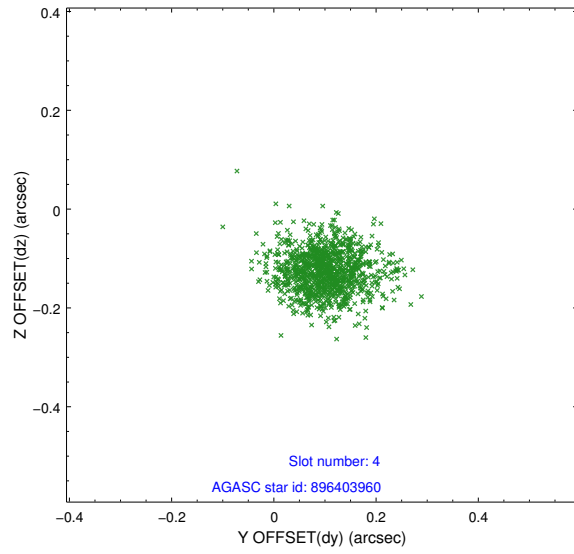


## 2.4 Star Slots

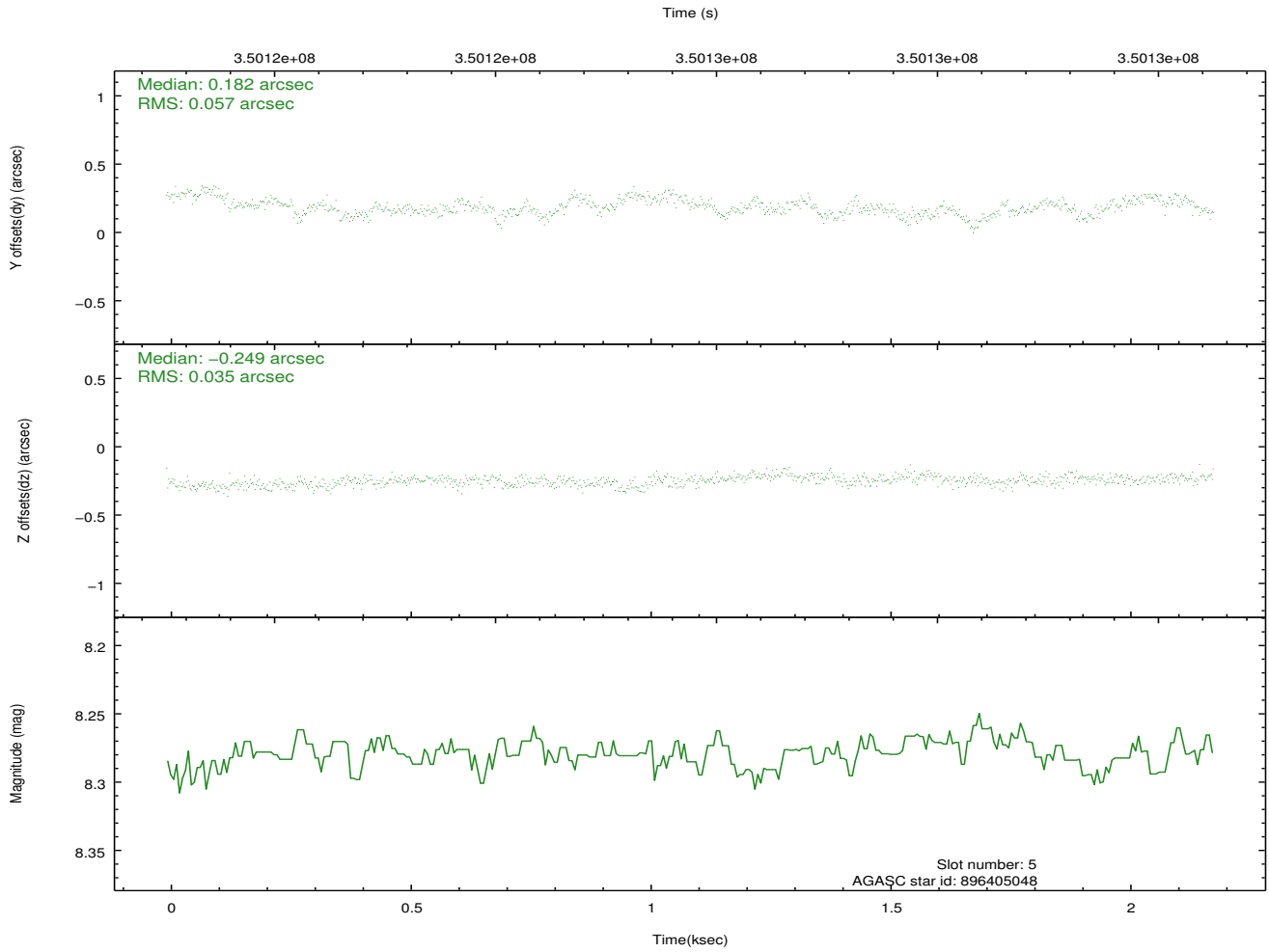
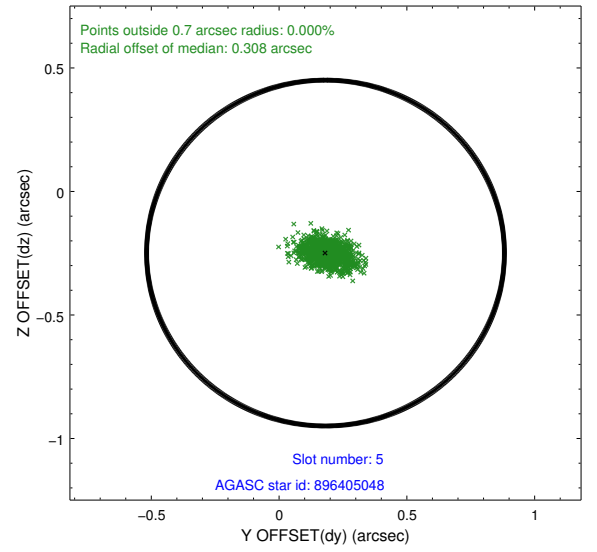
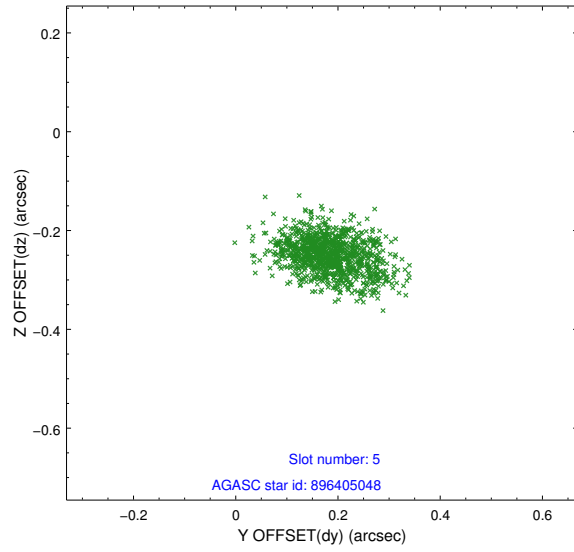
### 2.4.1 Slot 3



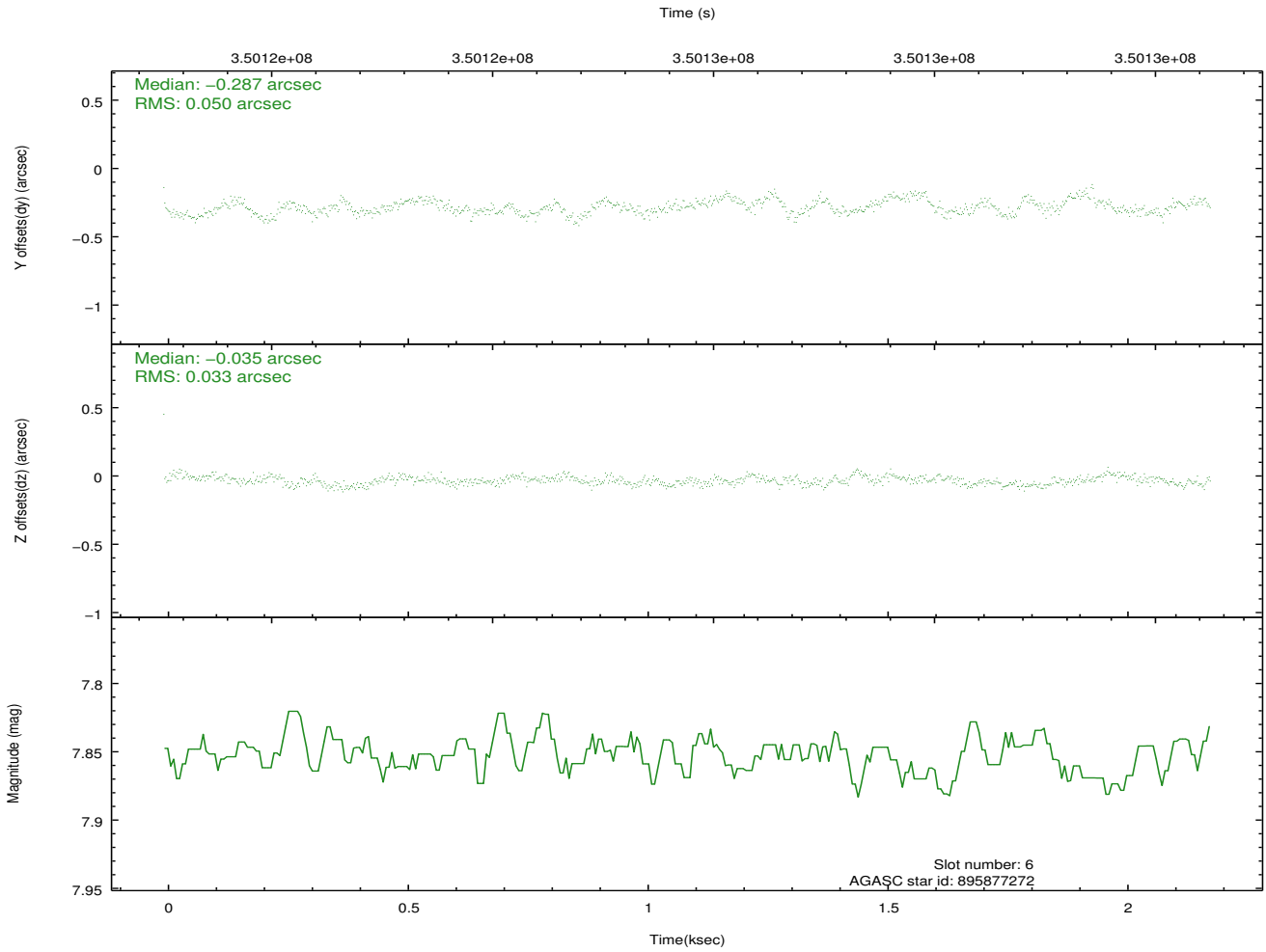
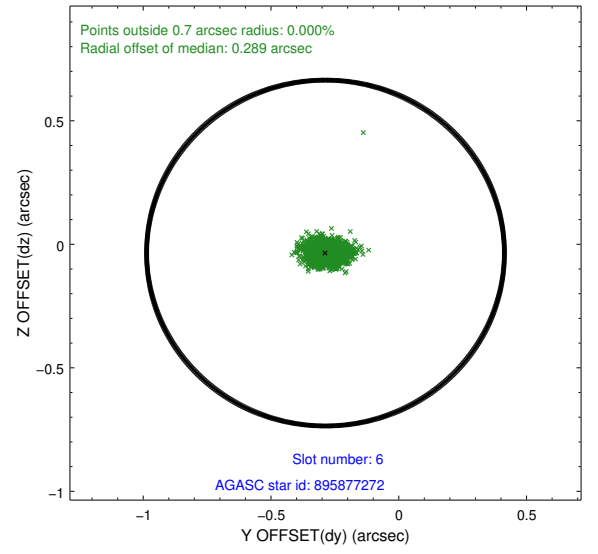
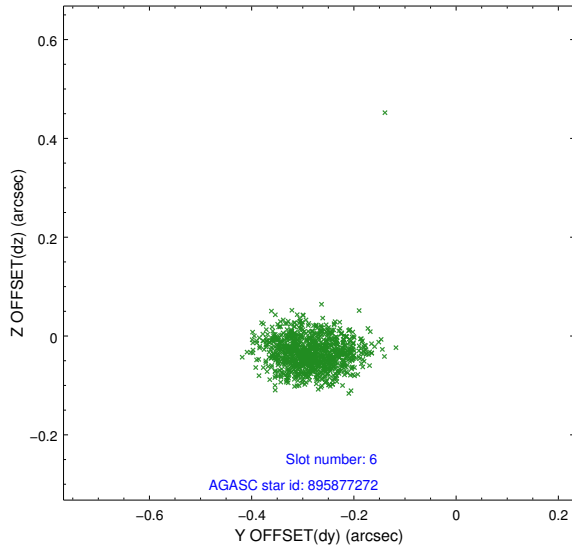
## 2.4.2 Slot 4



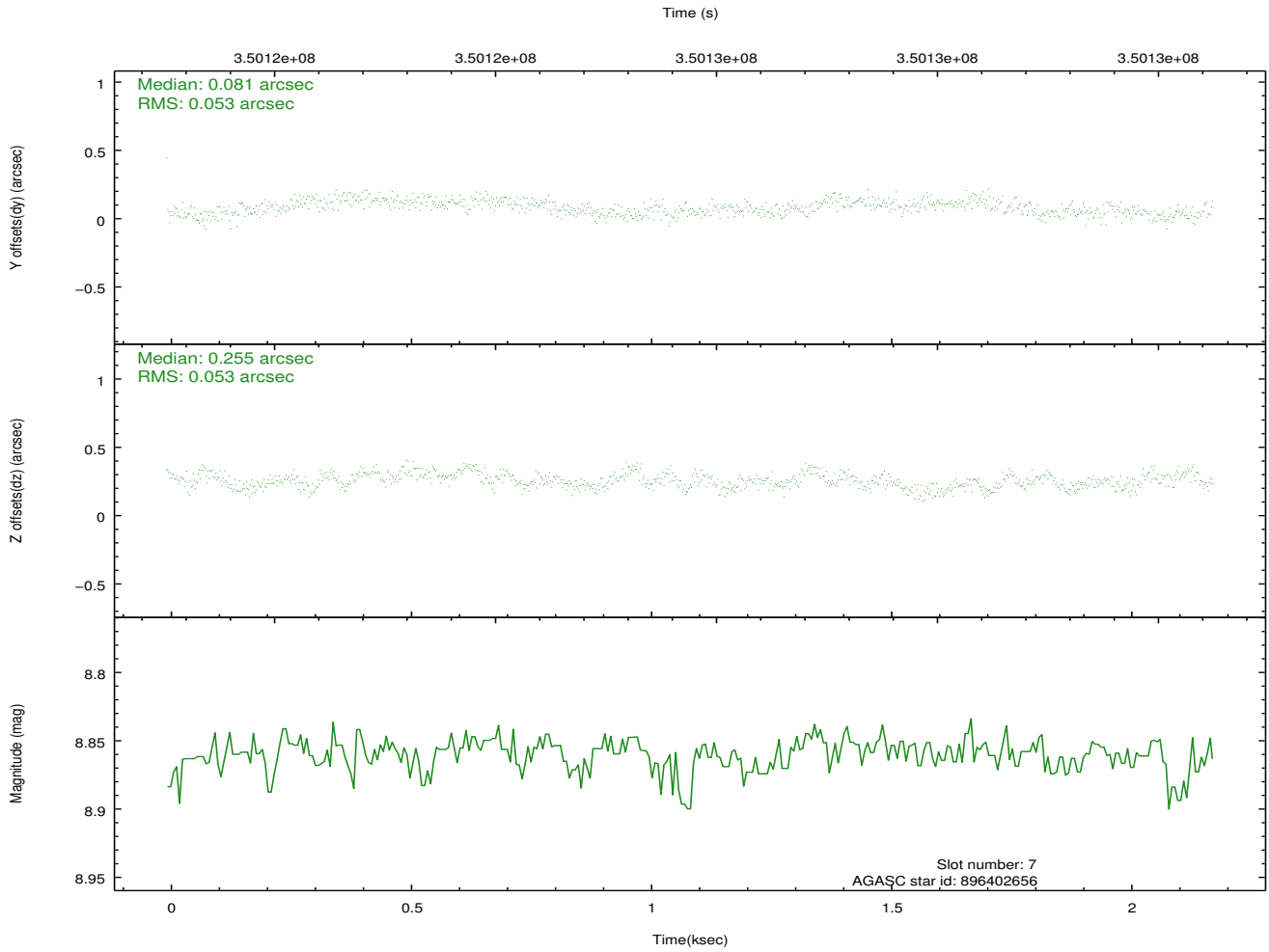
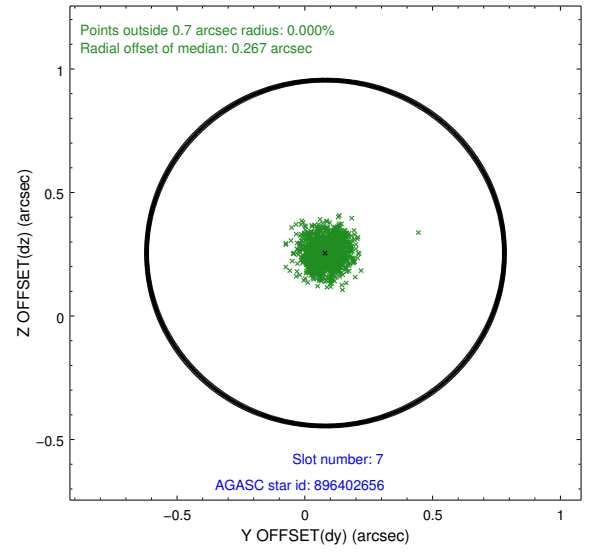
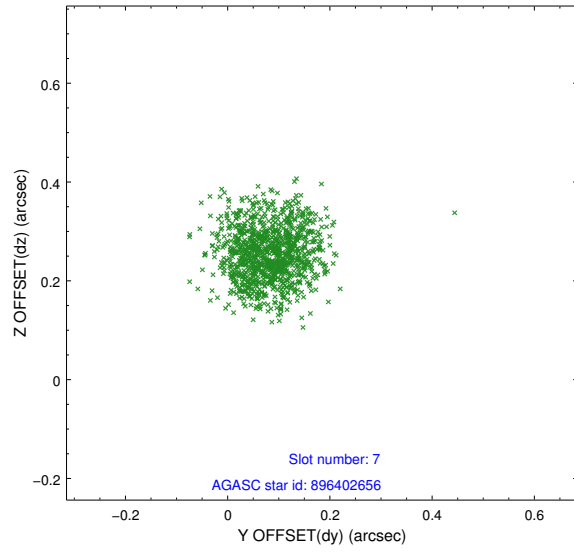
### 2.4.3 Slot 5



## 2.4.4 Slot 6

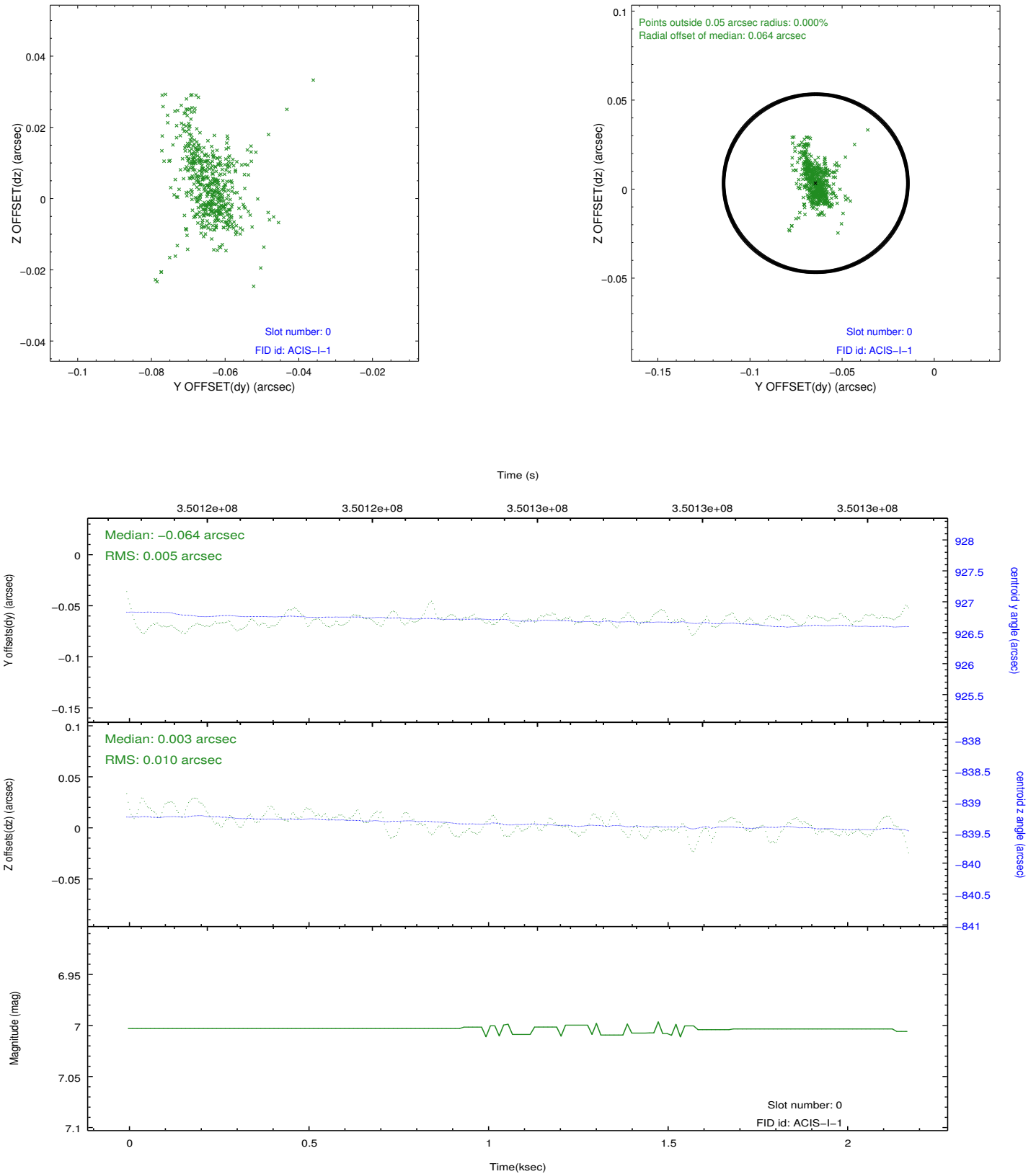


## 2.4.5 Slot 7

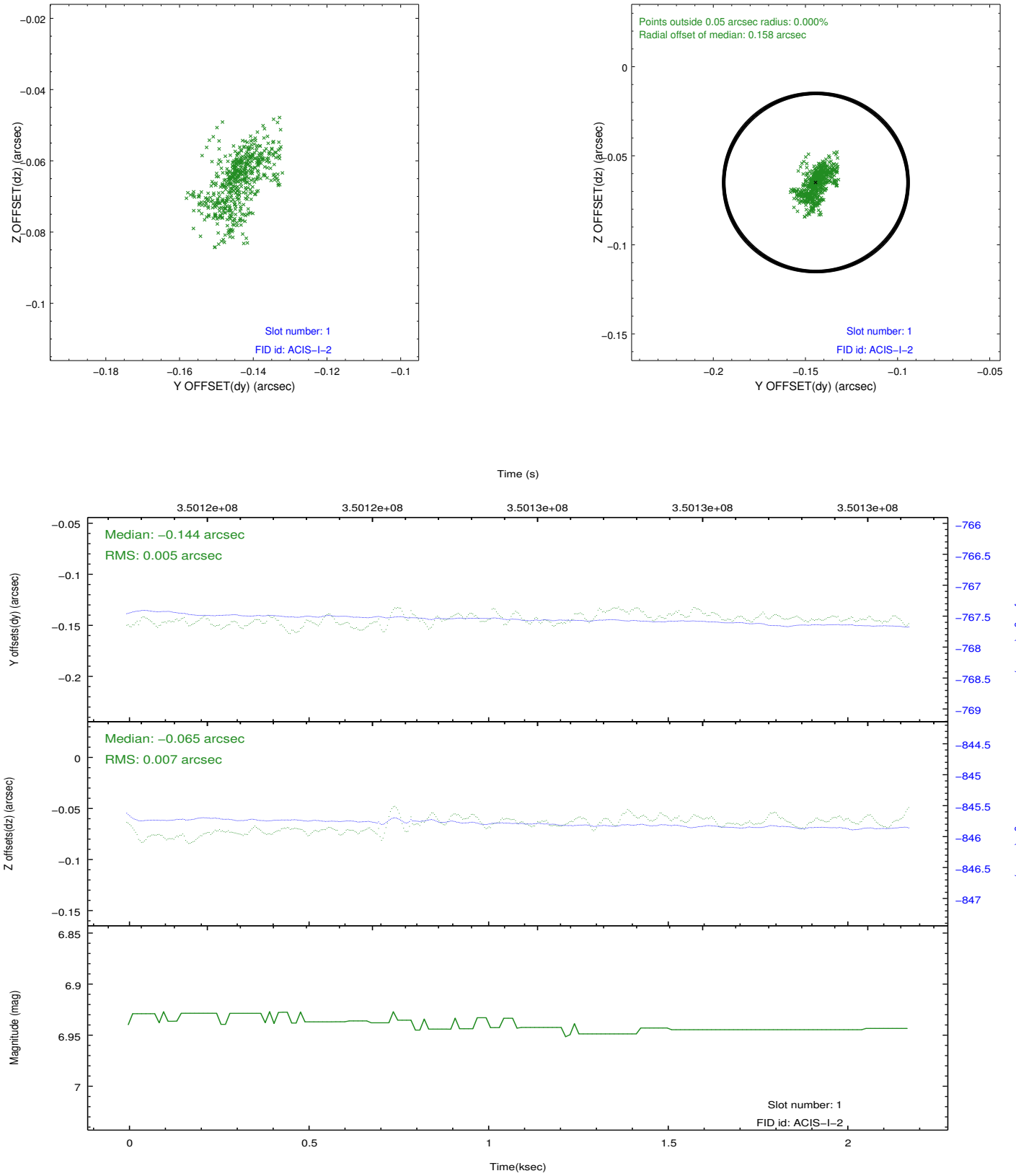


## 2.5 FID Slots

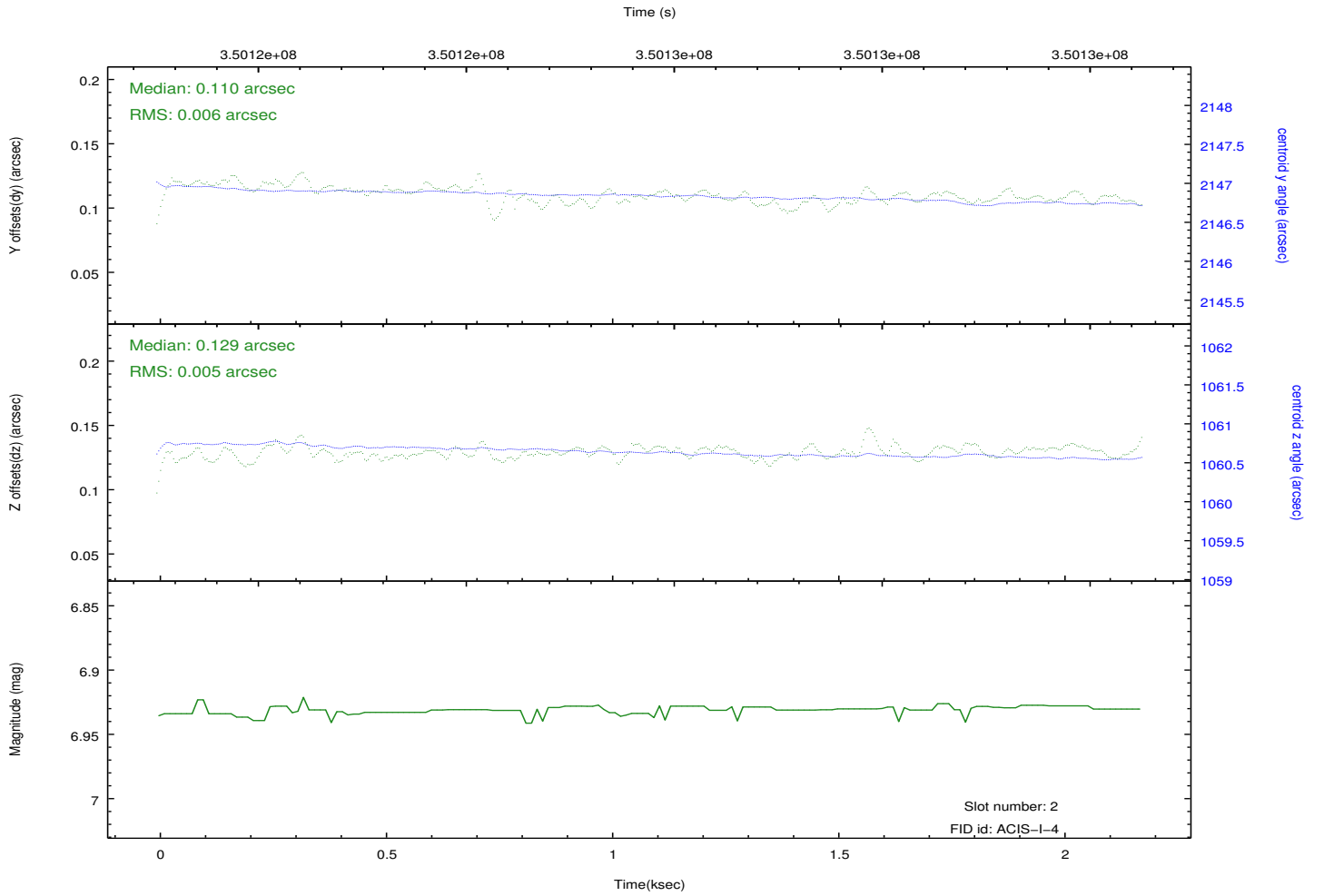
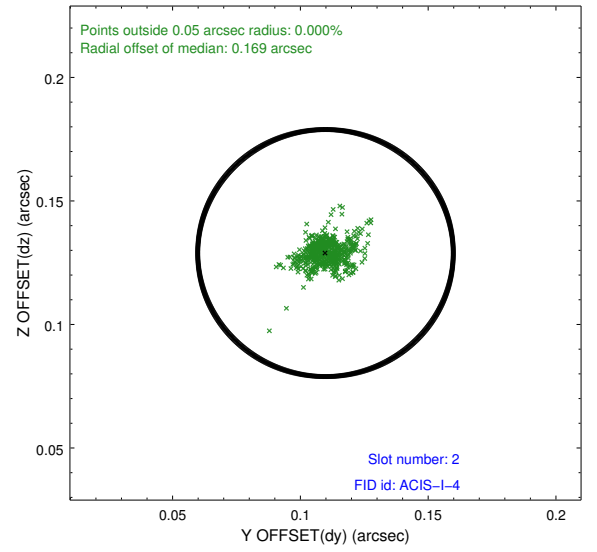
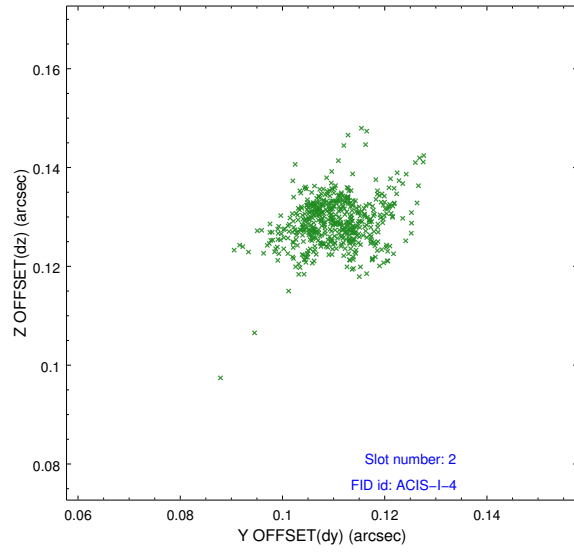
### 2.5.1 Slot 0



## 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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

### A.2 Comments

Joint Proposal:NOAO