

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10006 - L2 Version 2  
Chandra X-Ray Center

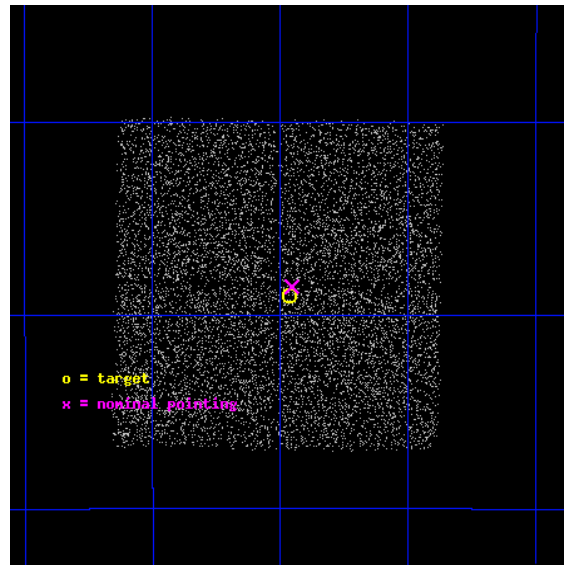
L2 Processing Date : Jun 1 2012

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# 1 Front

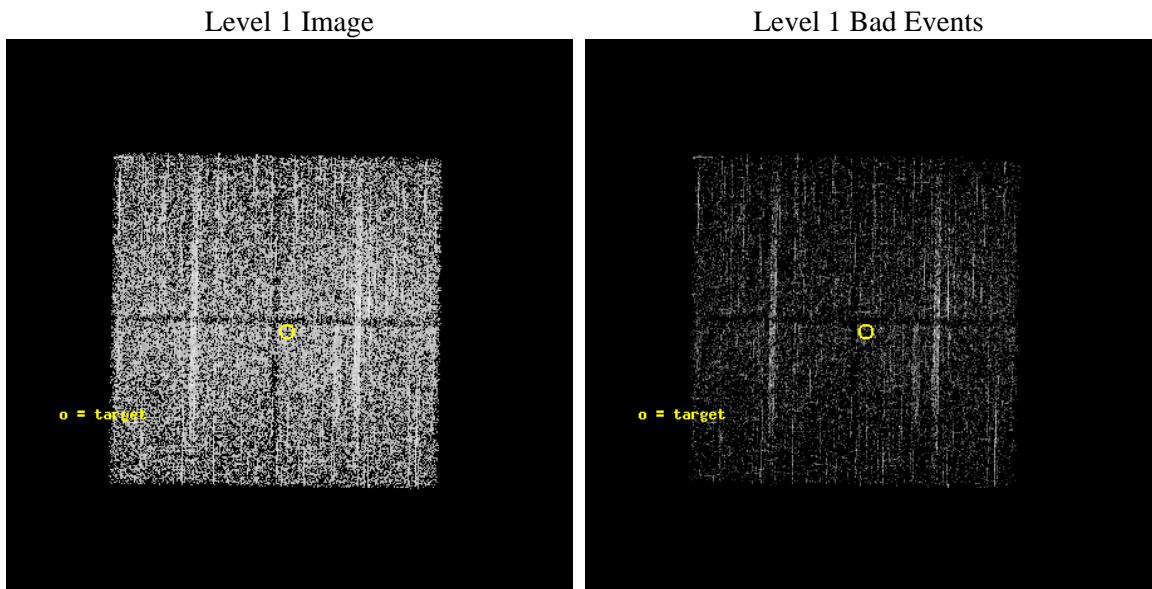
seq_num	400970	Sequence number
obs_id	10006	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS5-10	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.241625	Observer's specified target RA [deg]
dec_targ	-26.983	Observer's specified target Dec [deg]
ra_nom	265.23874452696	Nominal RA [deg]
dec_nom	-26.975492572618	Nominal Dec [deg]
roll_nom	90.952920057499	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	10457	Number of level 2 events



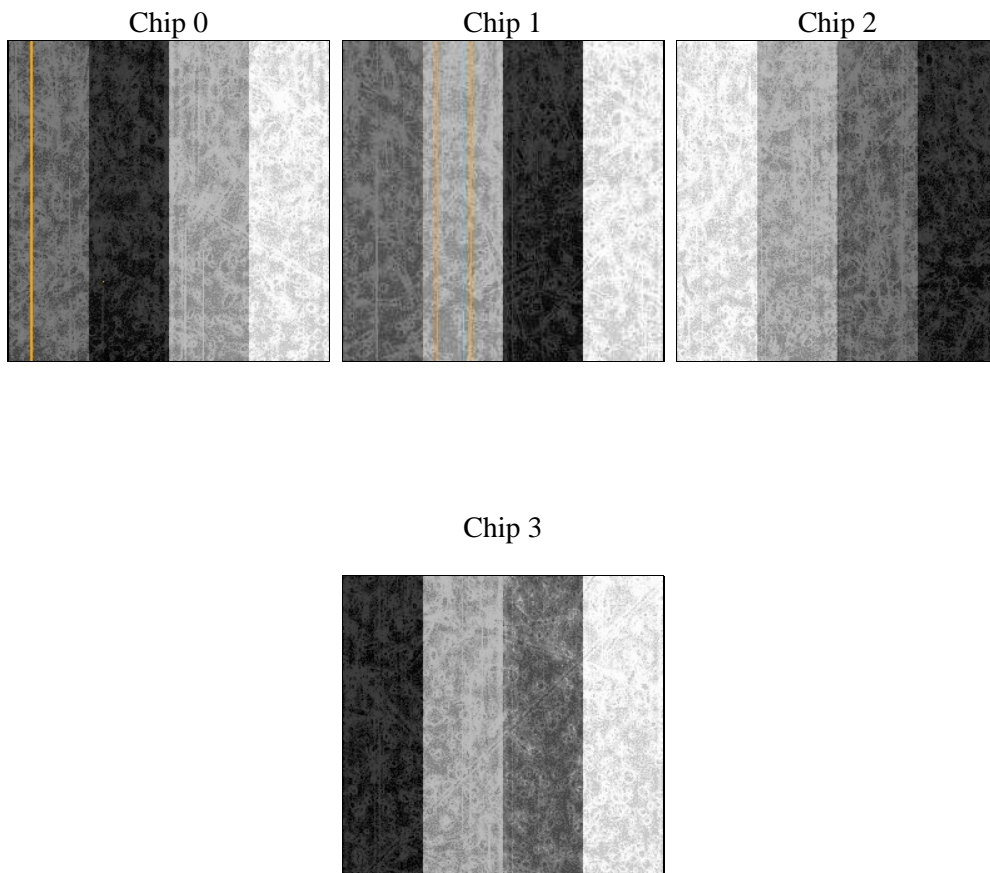
## 2 OBI

### 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	2012-06-01T06:59:47	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	94841	Number of level 1 events

### 2.1.4 Events

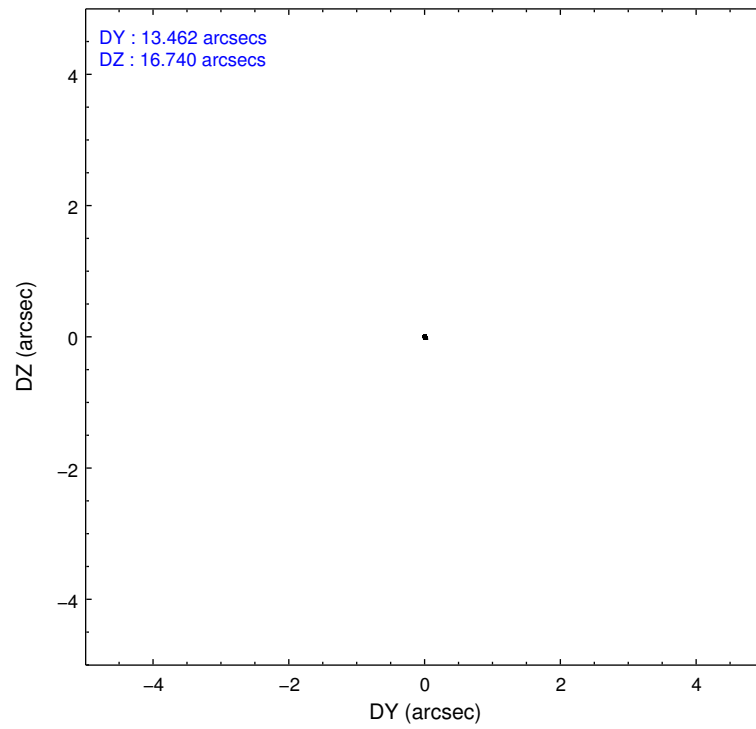
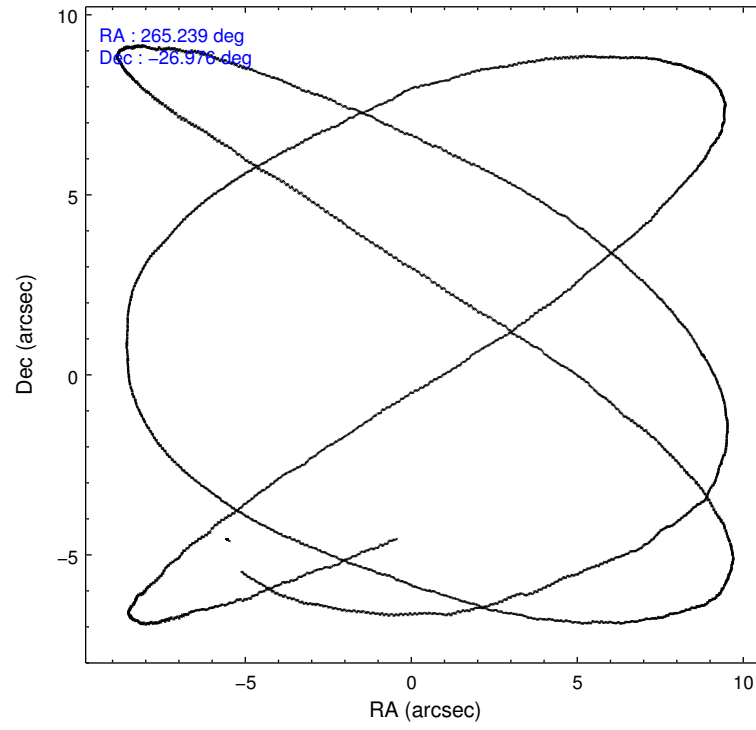
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	22764	22630	24686	24761
rejected events	19842	19490	21689	21799
rejected %	87%	86%	87%	88%

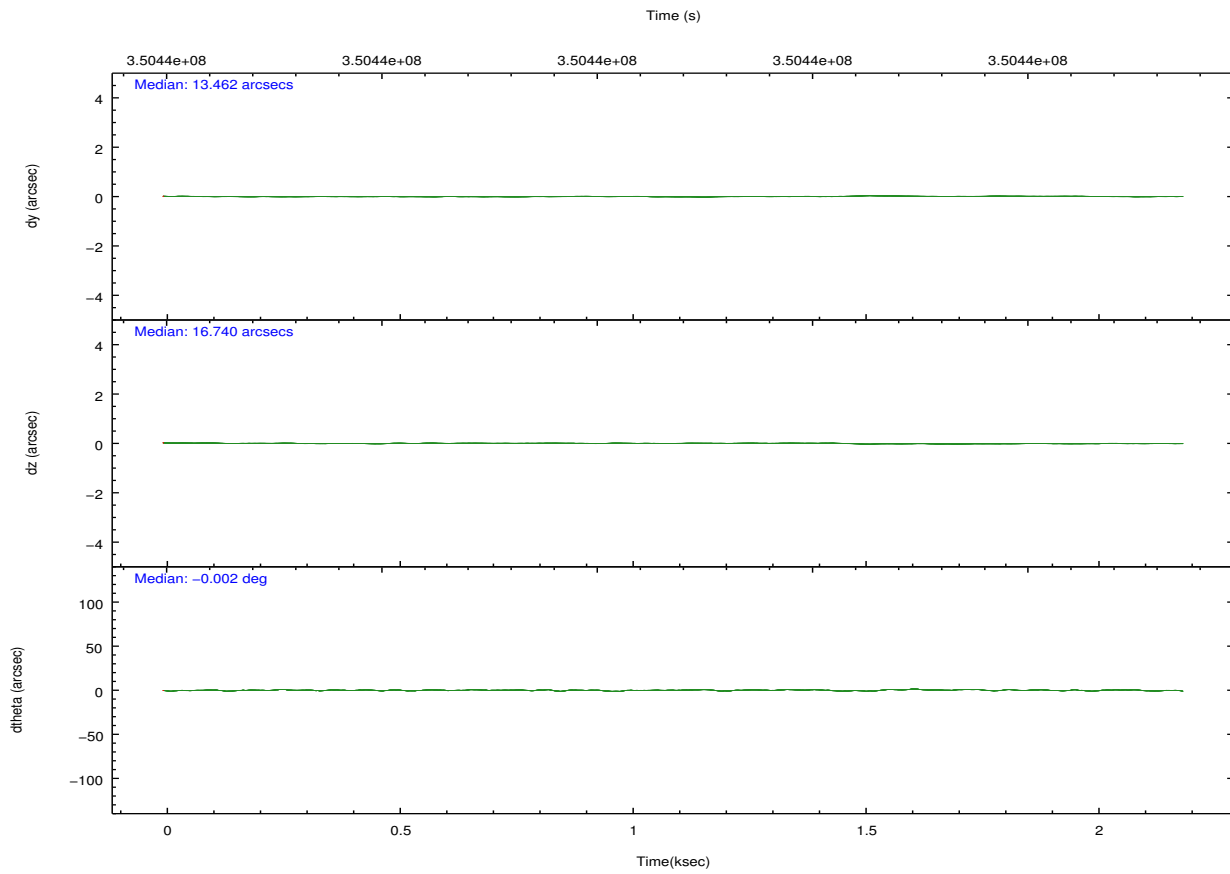
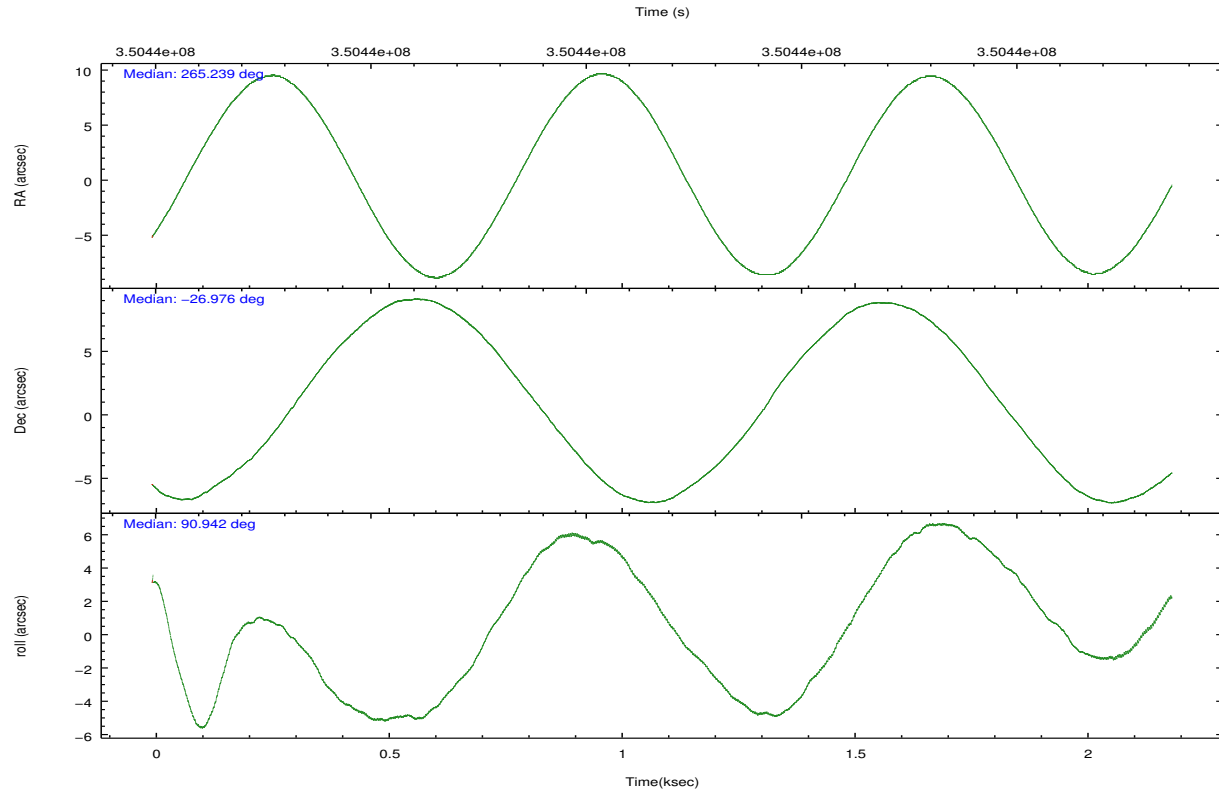
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1389	1365	1491	1486
	6%	6%	6%	6%
grade 1 events	16	11	21	22
	0%	0%	0%	0%
grade 2 events	683	795	689	628
	3%	3%	2%	2%
grade 3 events	284	289	273	266
	1%	1%	1%	1%
grade 4 events	267	306	281	297
	1%	1%	1%	1%
grade 5 events	1037	1153	982	1120
	4%	5%	3%	4%
grade 6 events	547	652	512	532
	2%	2%	2%	2%
grade 7 events	18541	18059	20437	20410
	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	265.254761	265.2387445269555	Subarray requested	NONE	NONE
[deg] Pointing Dec	-26.998841	-26.97549257261782	Alternating exposures requested	N	N
[deg] Pointing Roll	90.751526	90.9529200574987	[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)	350437268.184000	350436892.89765			
Observation start date	2009-02-07T23:40:02	2009-02-07T23:34:52			
[s] Observation end time (MET)	350439268.184000	350439583.52279			
Observation end date	2009-02-08T00:13:22	2009-02-08T00:19:43			
Read mode	TIMED	TIMED			

## 2.3 Aspect





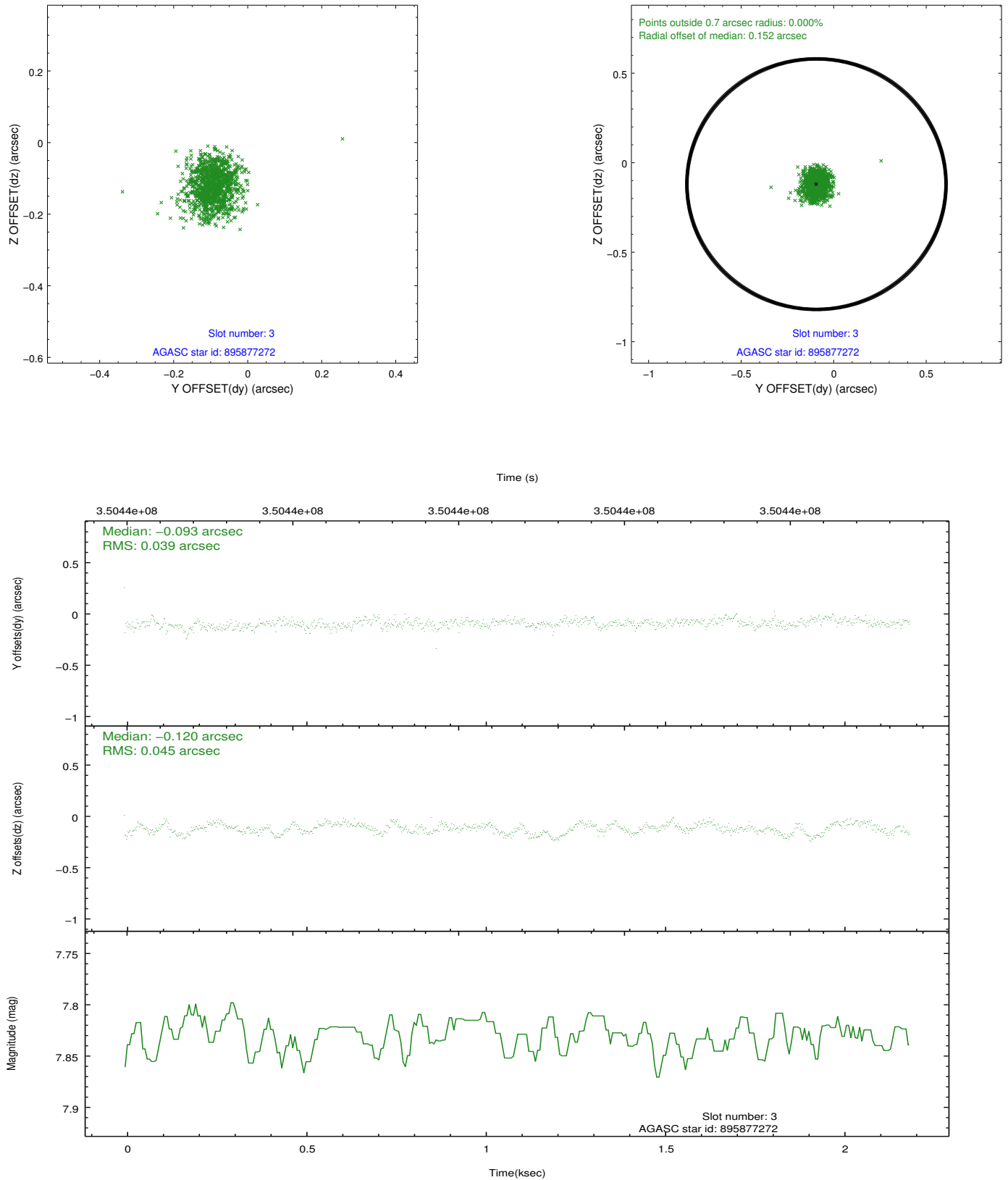
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	535	-0.012	-0.072	0.007	0.011	0.000000	0.000000	926.02	-840.46
1	FID	ACIS-I-4	6.95	535	0.137	0.079	0.006	0.010	0.000000	0.000000	2147.87	1058.00
2	FID	ACIS-I-5	7.01	535	-0.223	0.064	0.006	0.011	0.000000	0.000000	-1818.36	1059.23
3	GUIDE	895877272	7.83	1069	-0.093	-0.120	0.063	0.101	264.774842	-26.937569	237.64	1537.30
4	GUIDE	895879392	9.12	1069	0.224	-0.081	0.097	0.158	264.792874	-27.441876	-1577.14	1497.65
5	GUIDE	895879840	7.19	1068	0.103	-0.125	0.065	0.107	265.218397	-27.395778	-1428.01	136.19
6	GUIDE	895882464	8.80	1069	-0.071	0.130	0.074	0.121	265.568948	-26.820420	627.42	-1017.33
7	GUIDE	896015344	9.11	1064	-0.162	0.206	0.091	0.155	265.913290	-26.611586	1362.43	-2138.10

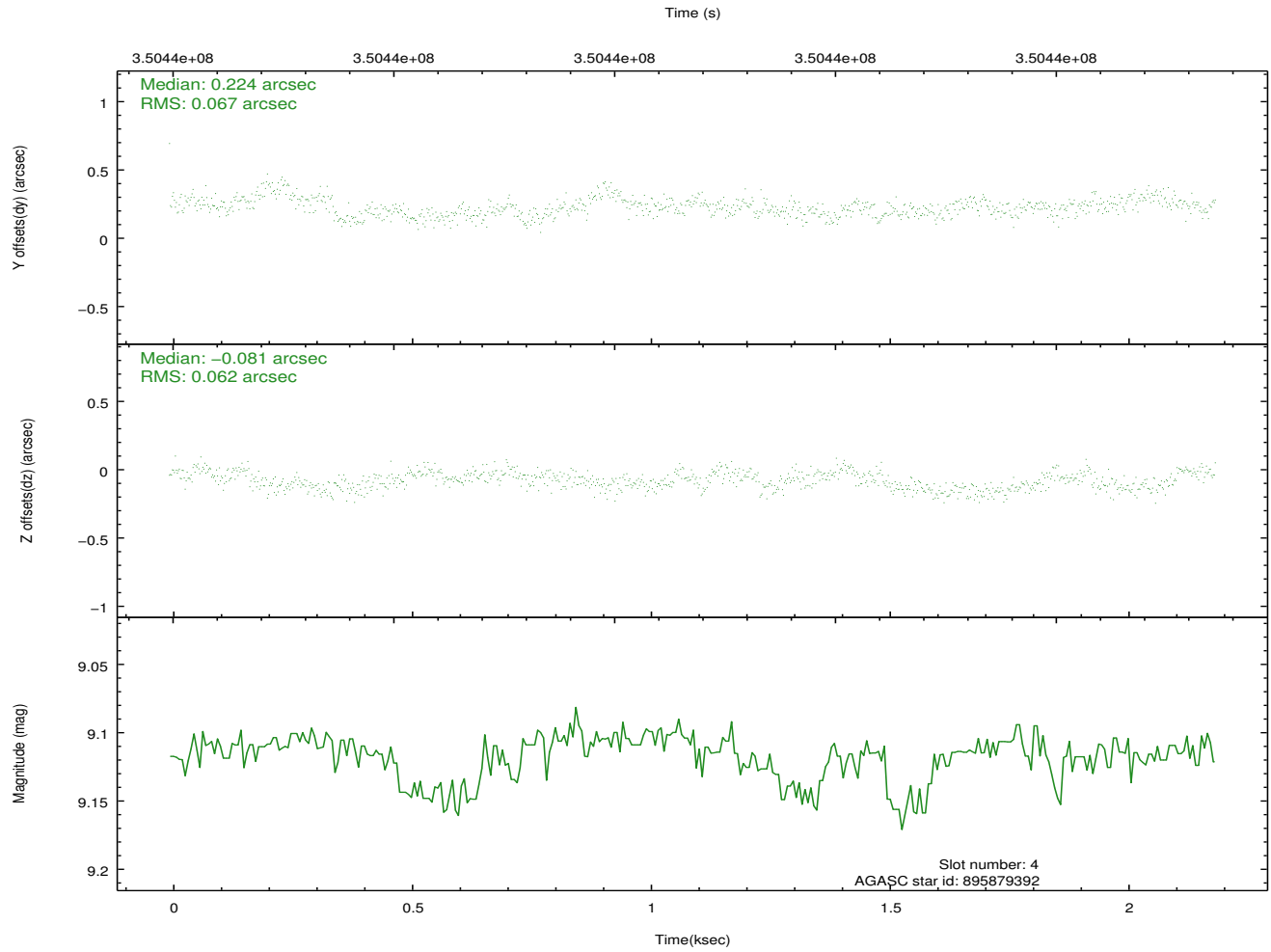
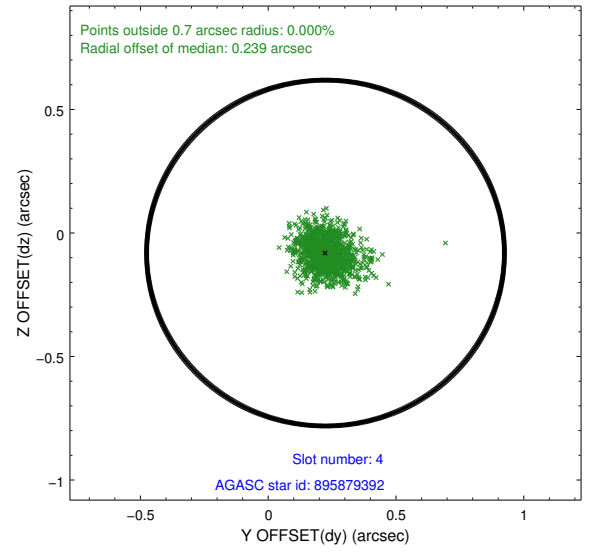
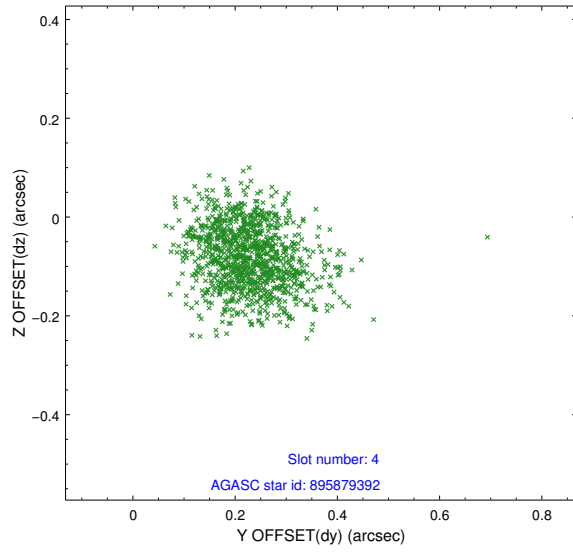


## 2.4 Star Slots

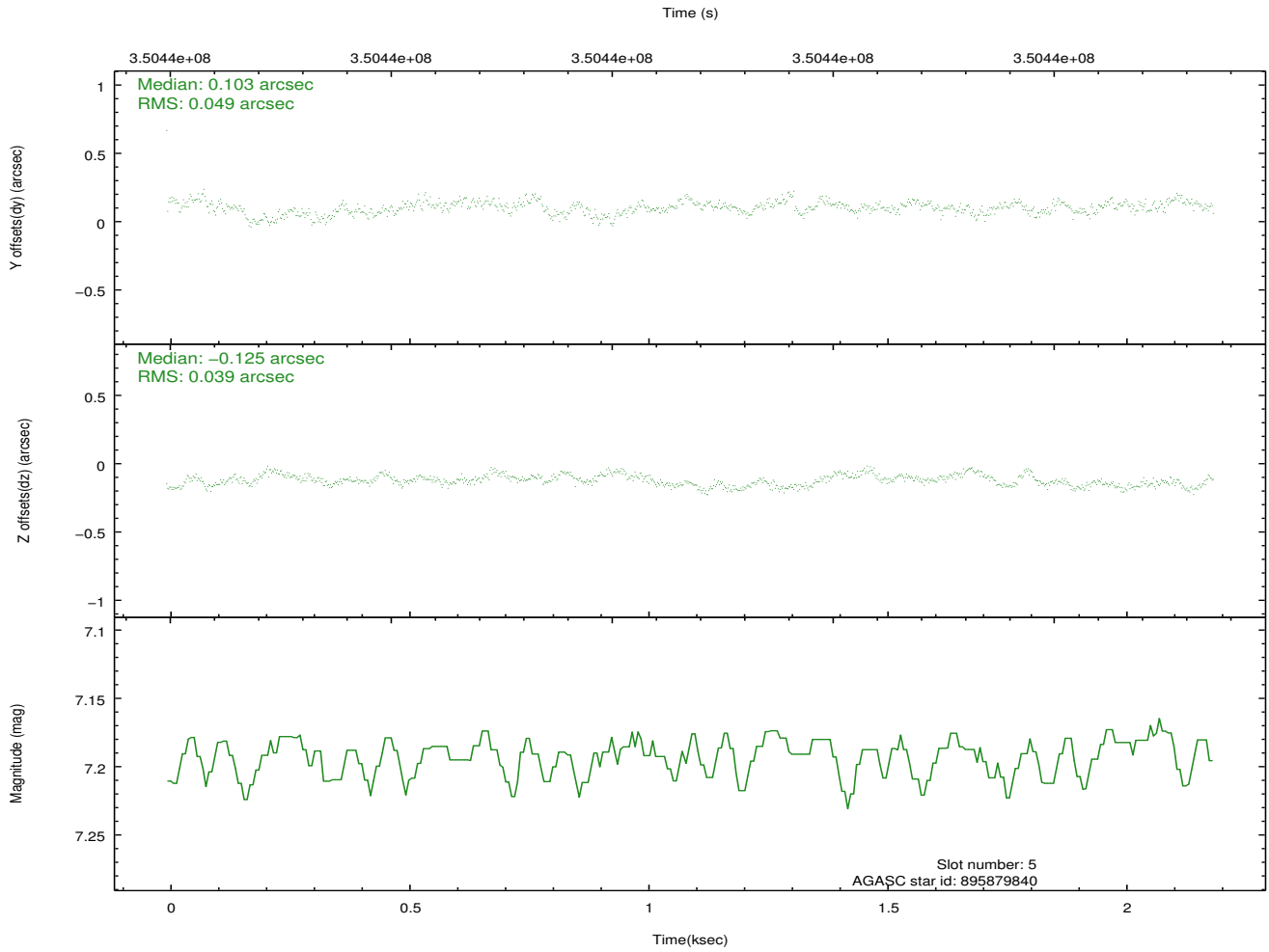
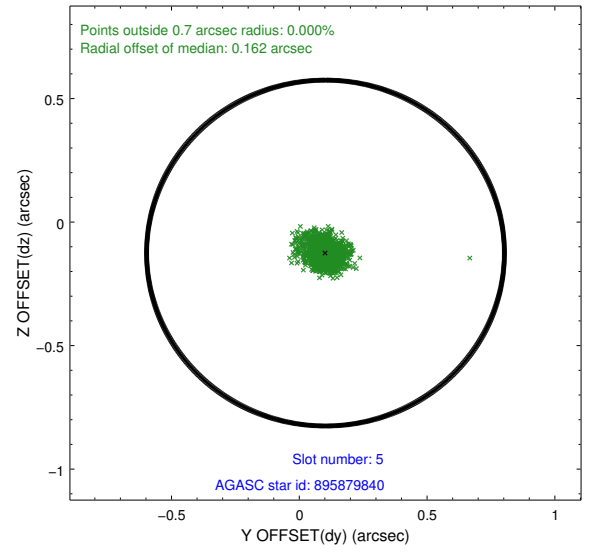
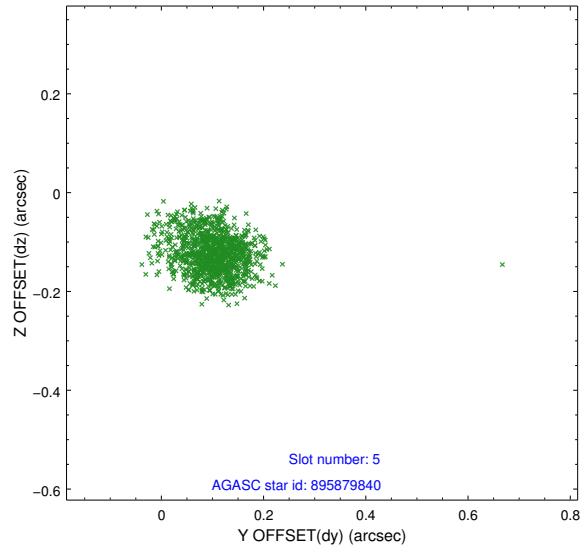
### 2.4.1 Slot 3



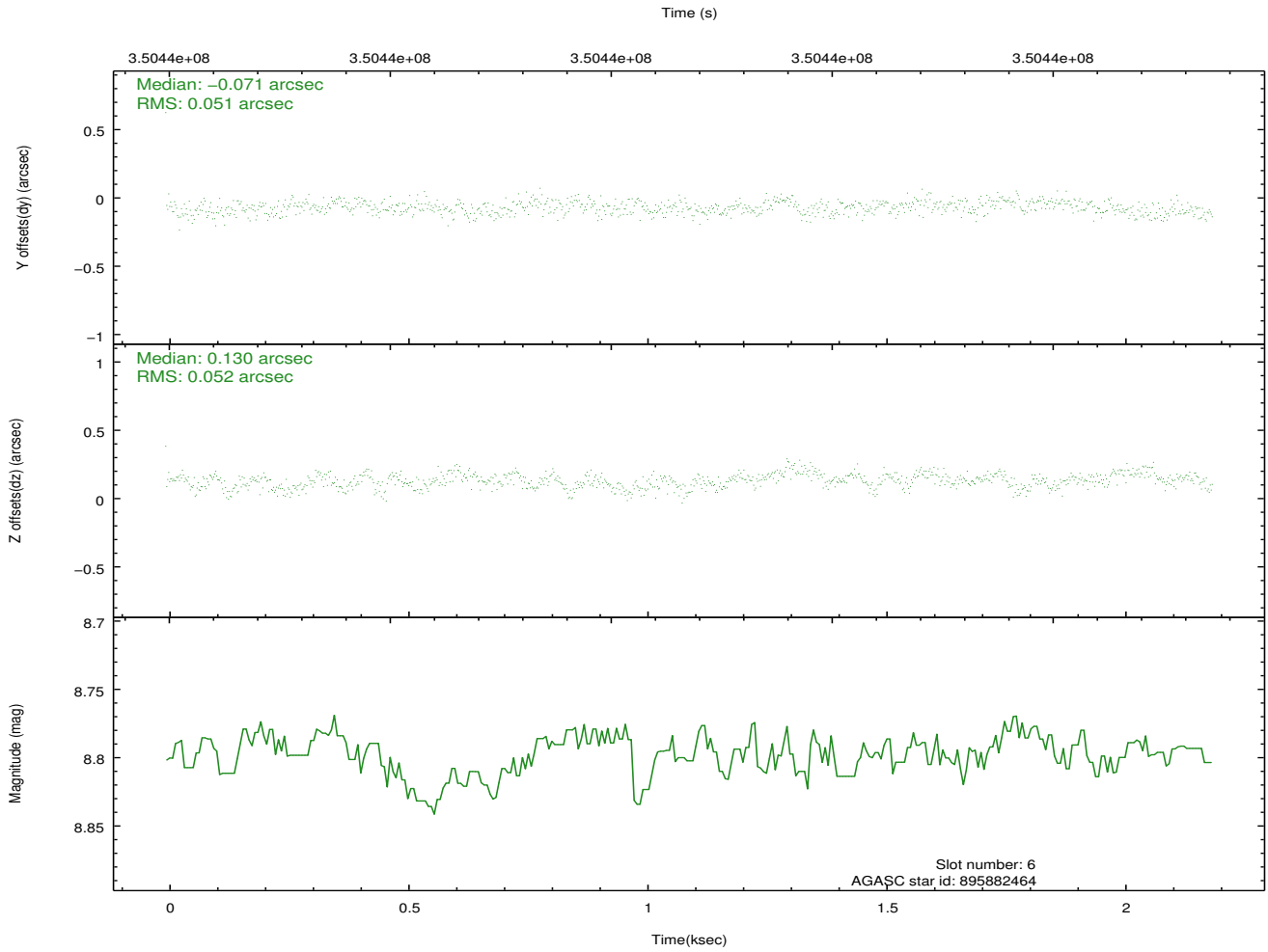
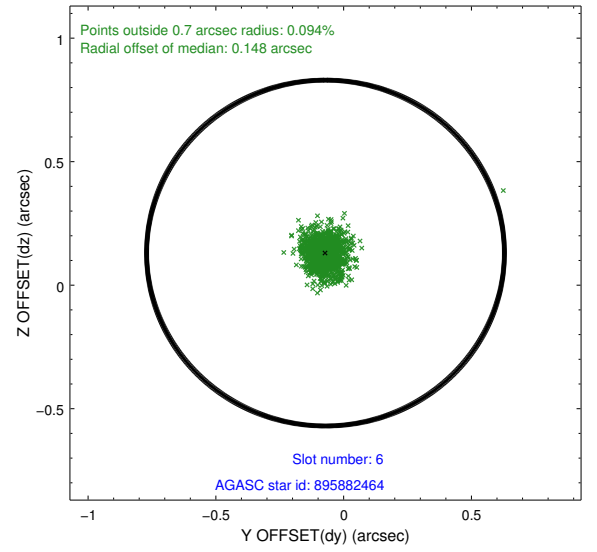
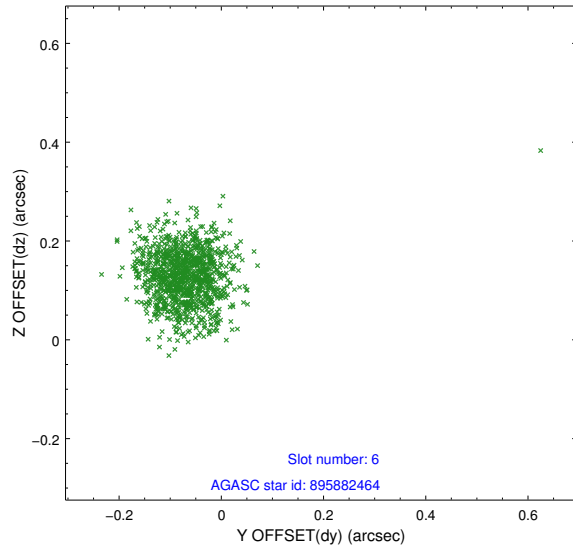
## 2.4.2 Slot 4



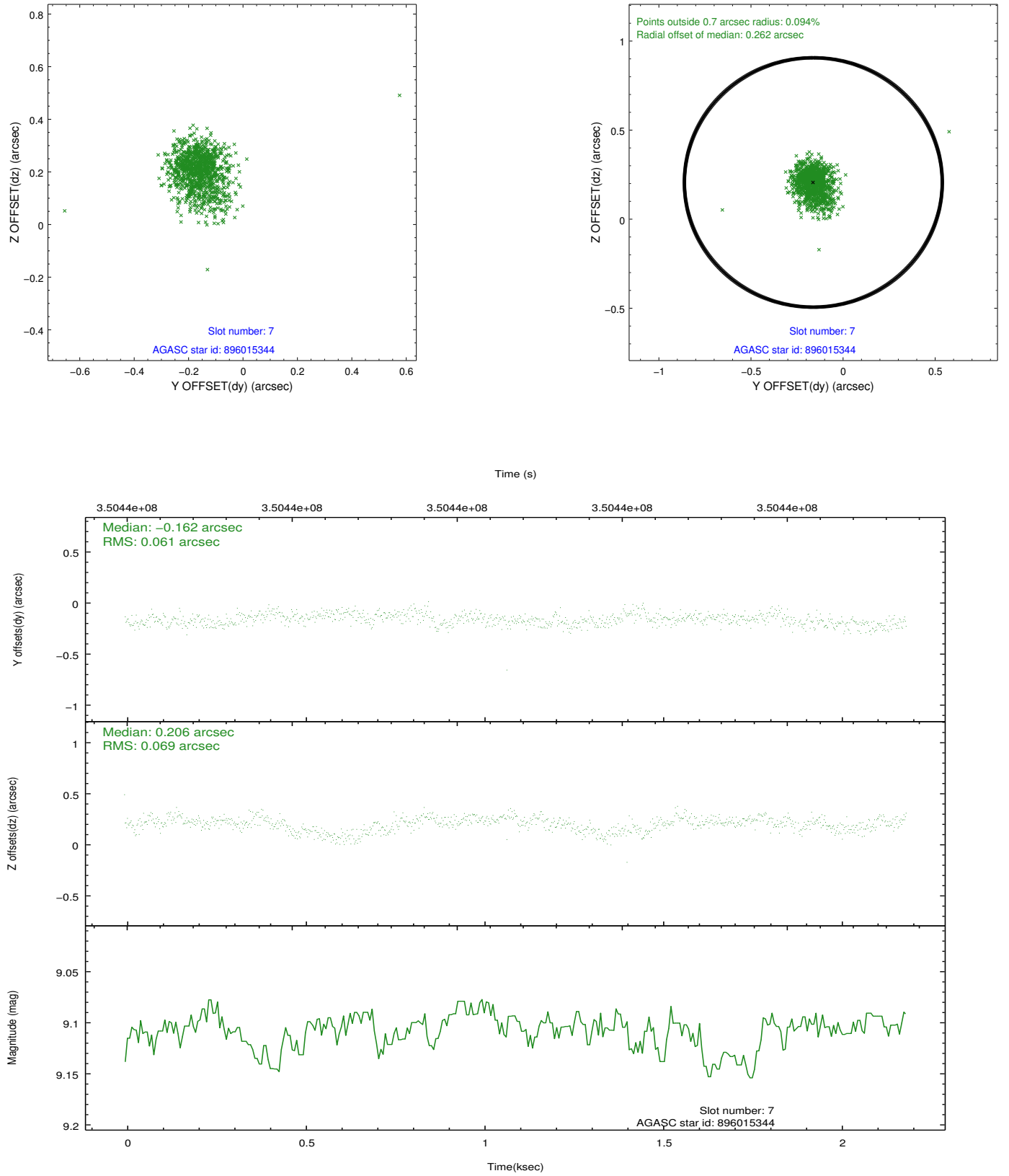
### 2.4.3 Slot 5



## 2.4.4 Slot 6

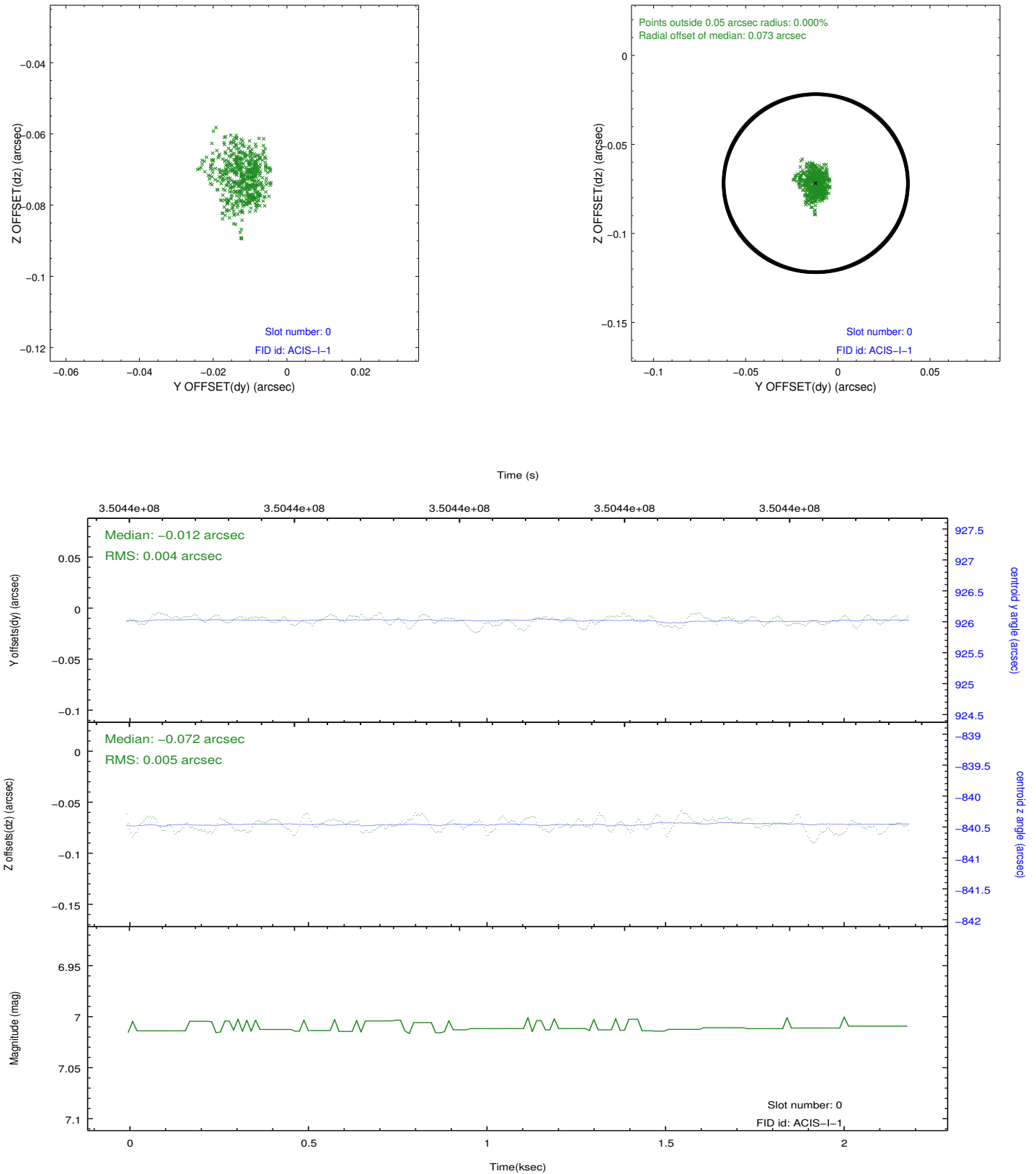


## 2.4.5 Slot 7

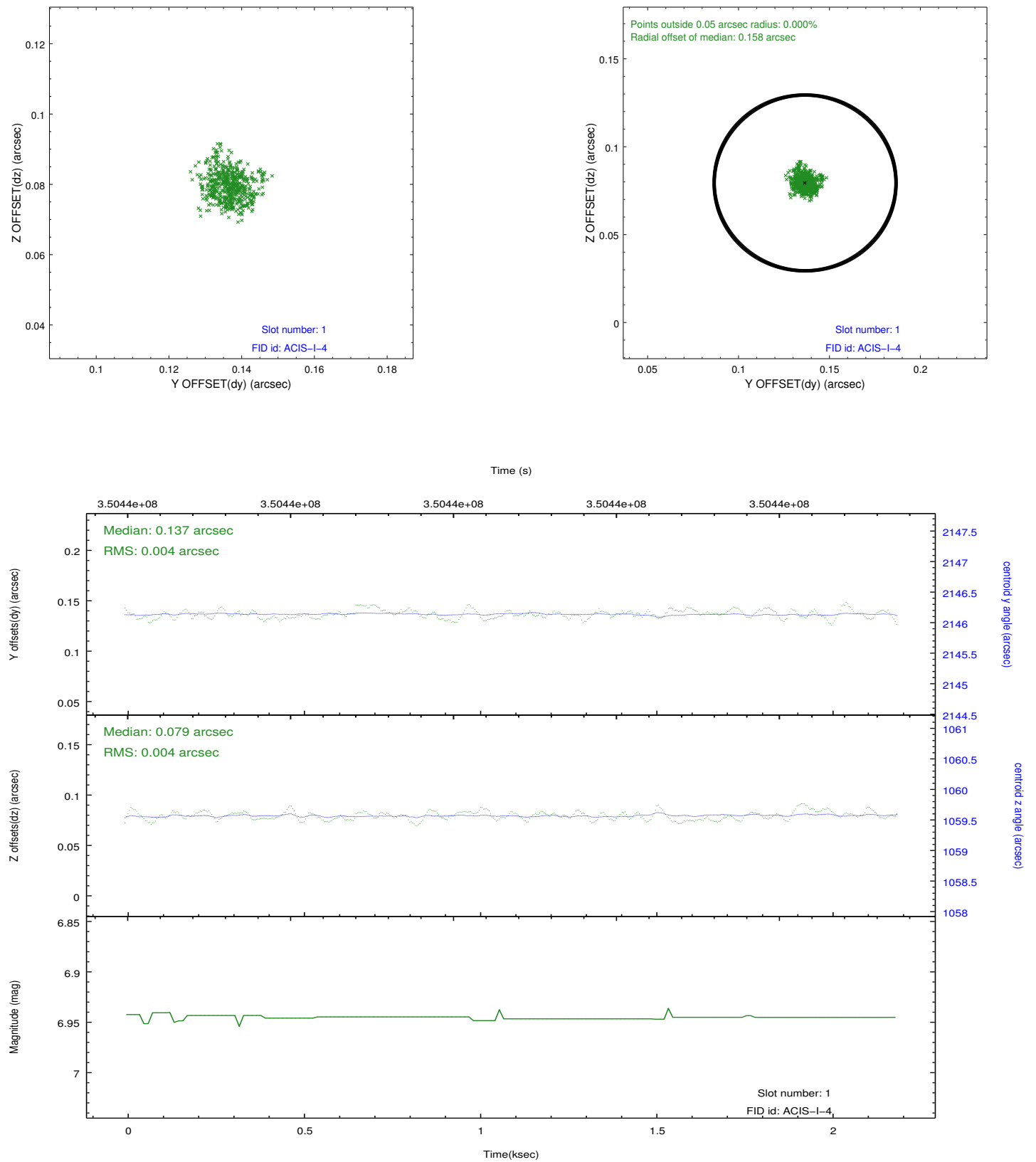


## 2.5 FID Slots

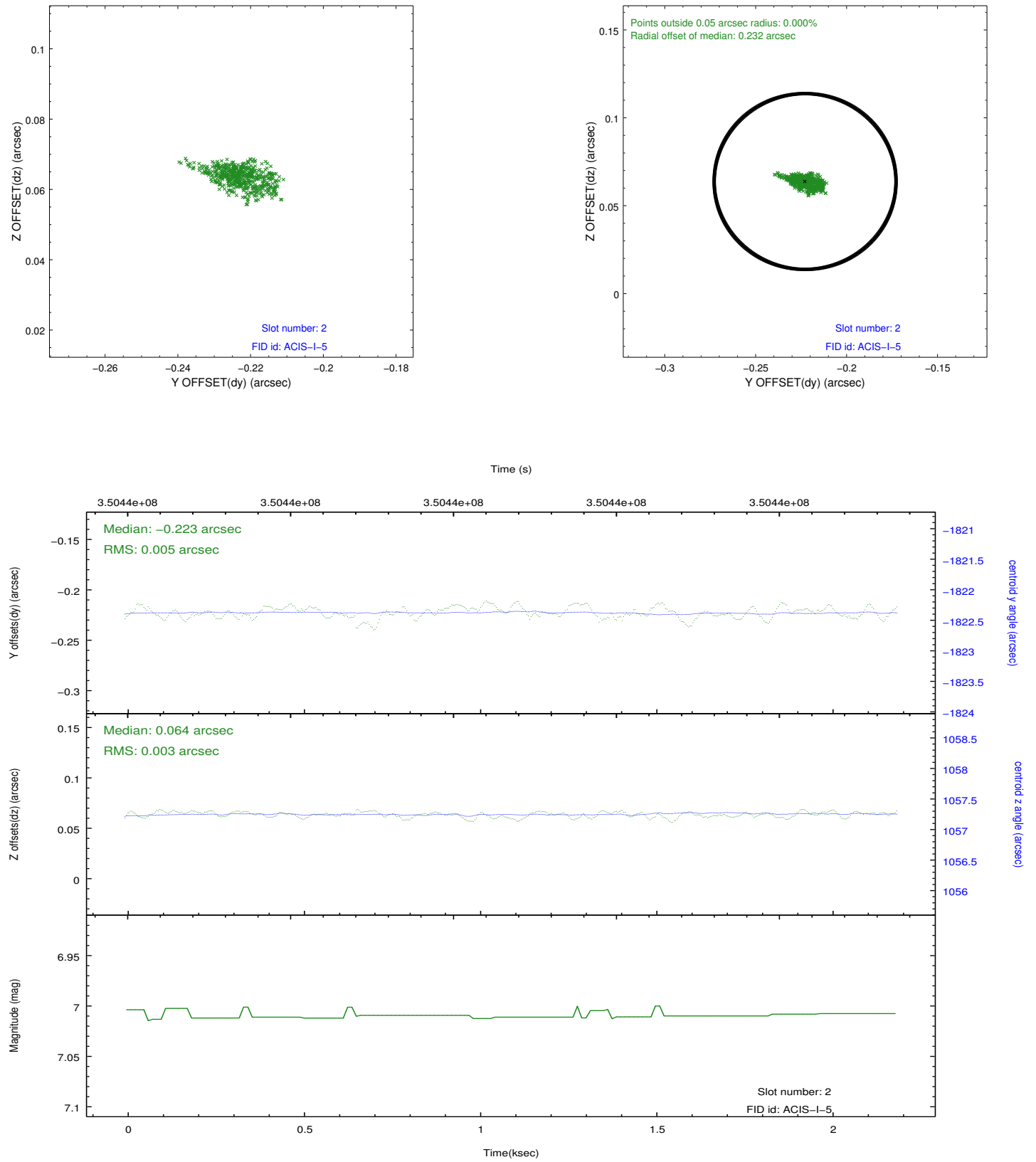
### 2.5.1 Slot 0



## 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