

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3993 - L2 Version 3  
Chandra X-Ray Center

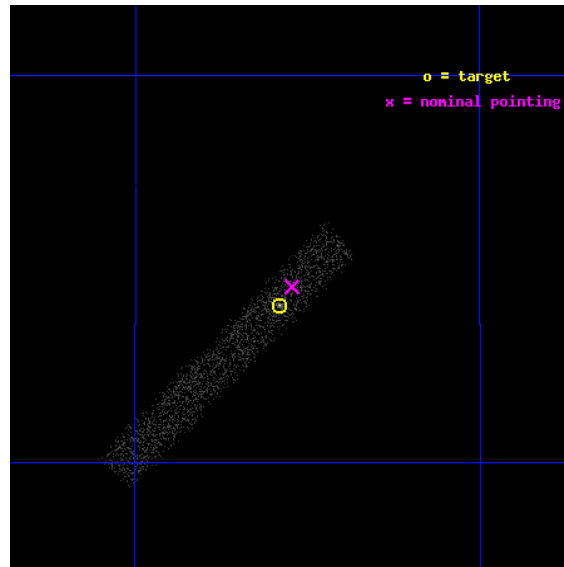
L2 Processing Date : Oct 22 2012

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# 1 Front

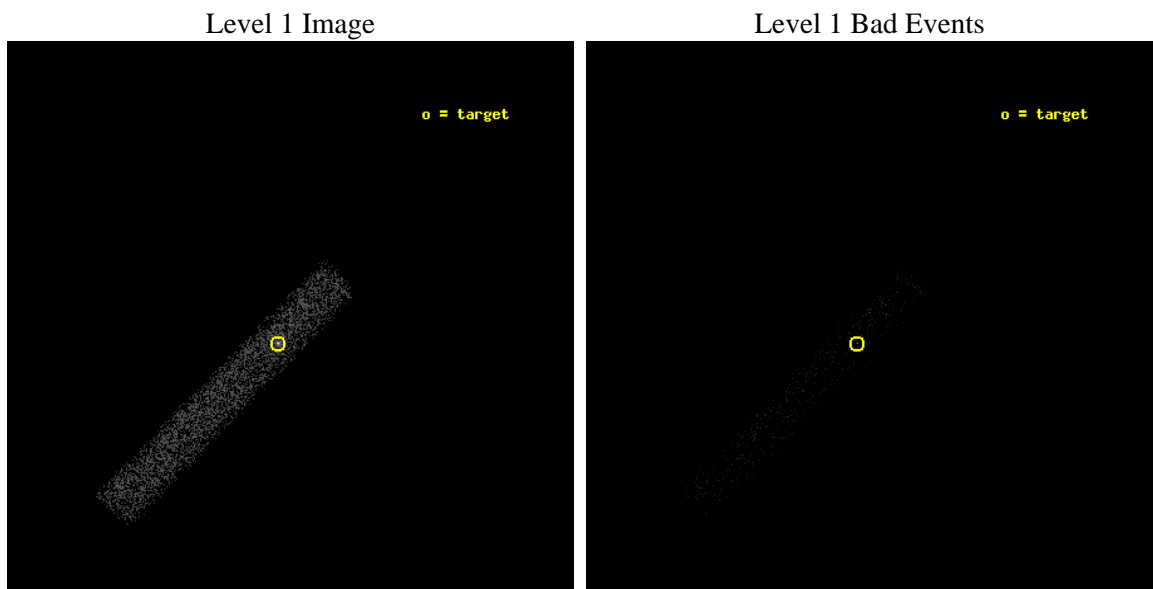
seq_num	700672	Sequence number
obs_id	3993	Observation id
title	AN X-RAY SURVEY OF RADIO-SELECTED LOW-LUMINOSITY AGNS	Proposal tit
observer	Dr. Yuichi Terashima	Principal investigator
object	NGC 3718	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	173.145417	Observer's specified target RA [deg]
dec_targ	53.067917	Observer's specified target Dec [deg]
ra_nom	173.13645434668	Nominal RA [deg]
dec_nom	53.075822758182	Nominal Dec [deg]
roll_nom	134.47328363699	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5415.200080663	Sum of GTIs [s]
livetime	4911.3006354643	Livetime [s]
ontime7	5415.200080663	Sum of GTIs [s]
l2events	3893	Number of level 2 events



## 2 OBI

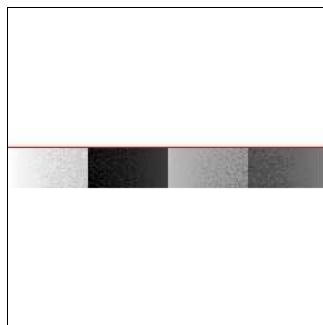
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5113.052000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5415.200080663	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime7	5415.200080663	Sum of GTIs [s]
date	2012-10-22T04:56:00	Date and time of file creation	l1events	8095	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	8095
rejected events	4083
rejected %	50%

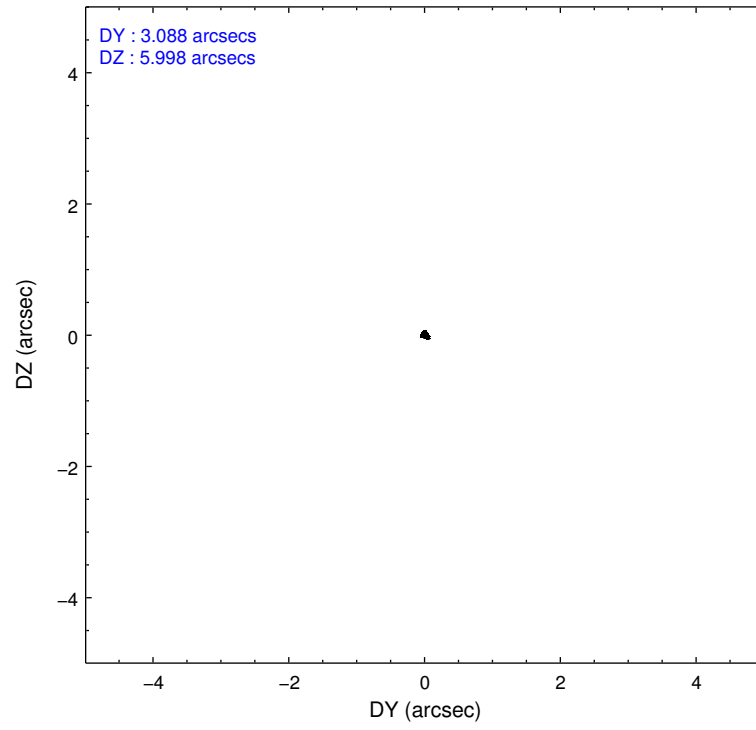
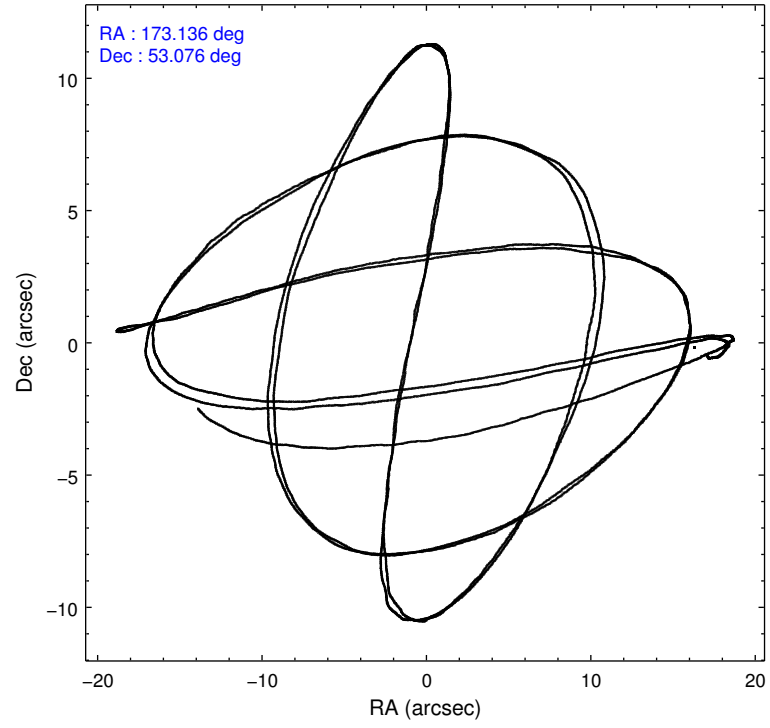
	<b>ccd 7</b>
grade 0 events	635
	7%
grade 1 events	12
	0%
grade 2 events	941
	11%
grade 3 events	569
	7%
grade 4 events	503
	6%
grade 5 events	655
	8%
grade 6 events	1774
	21%
grade 7 events	3006
	37%

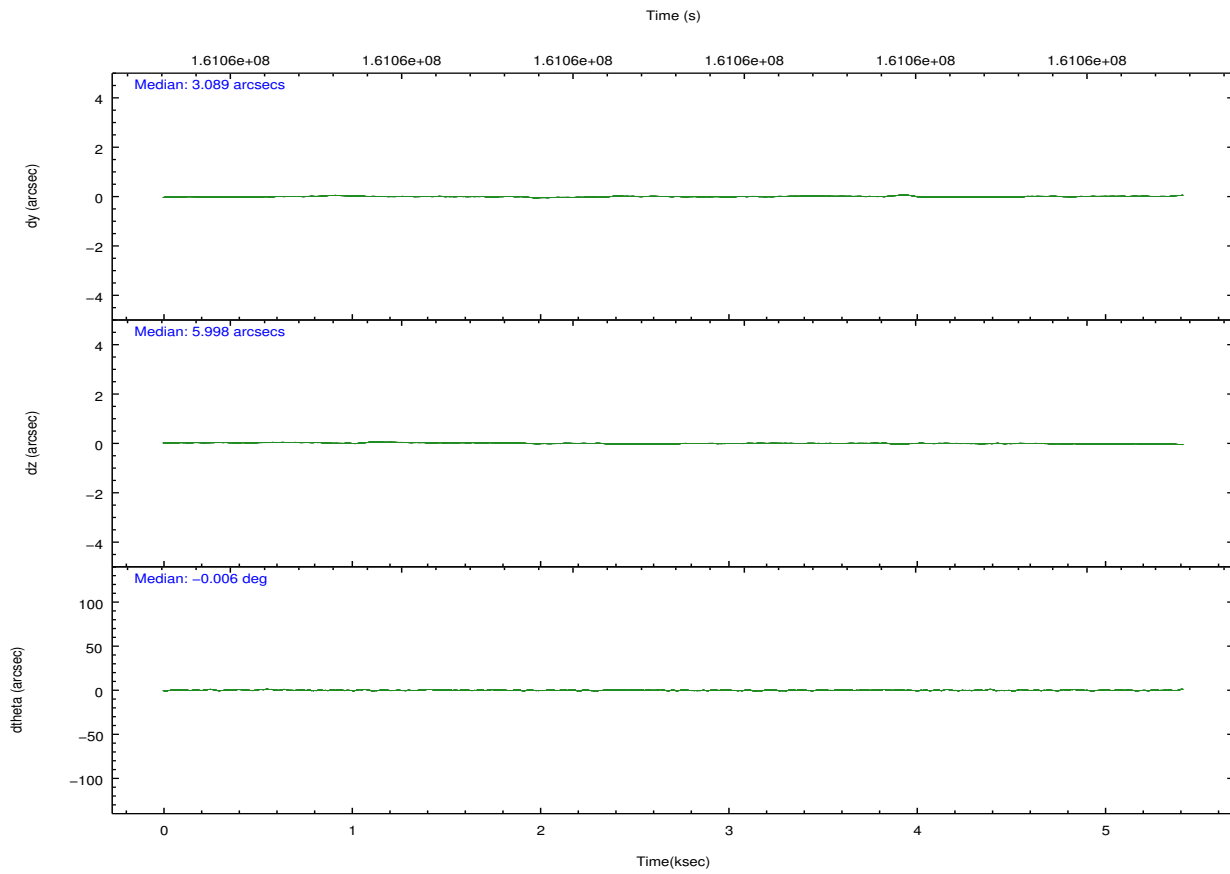
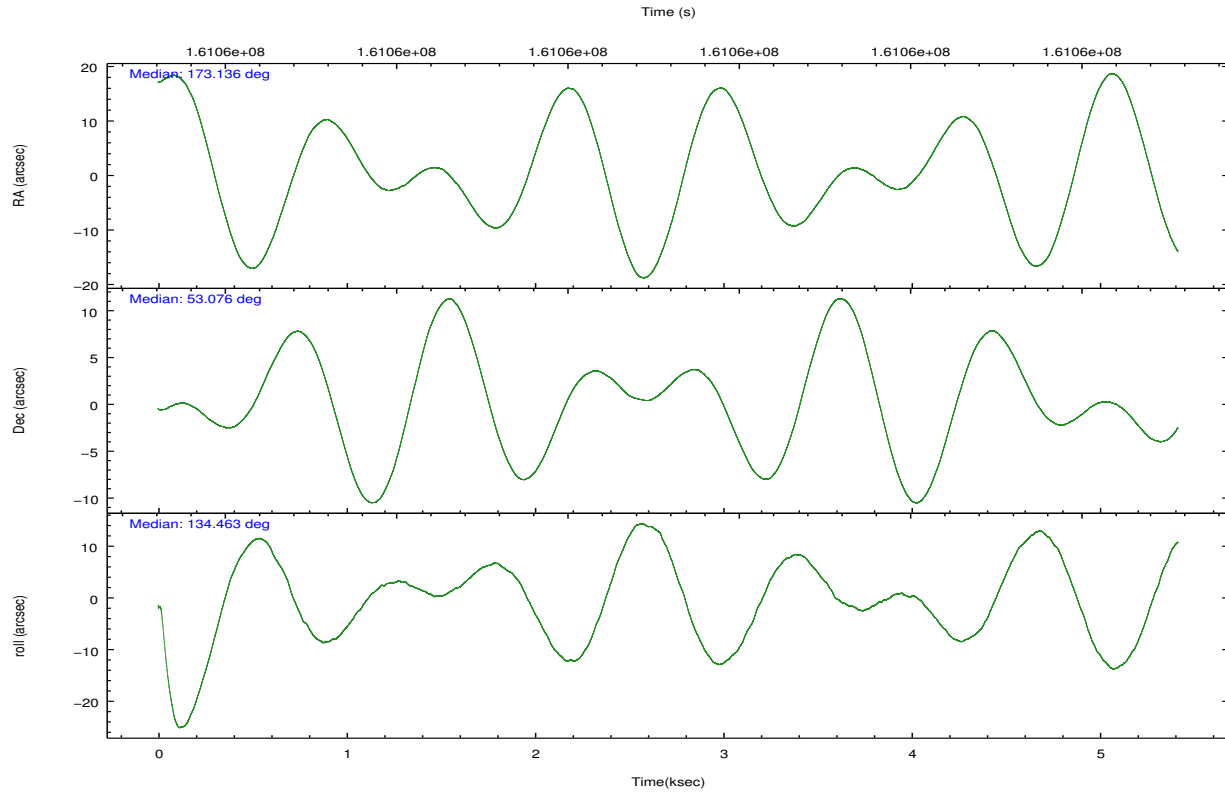


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	173.180152	173.1364543466821	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	53.068960	53.07582275818249	Subarray start row	449	449
[deg] Pointing Roll	134.281719	134.4732836369864	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	161057178.184000	161056157.76757			
Observation start date	2003-02-08T02:05:14	2003-02-08T01:49:17			
[s] Observation end time (MET)	161062291.184000	161062605.53034			
Observation end date	2003-02-08T03:30:27	2003-02-08T03:36:45			
Read mode	TIMED	TIMED			

## 2.3 Aspect



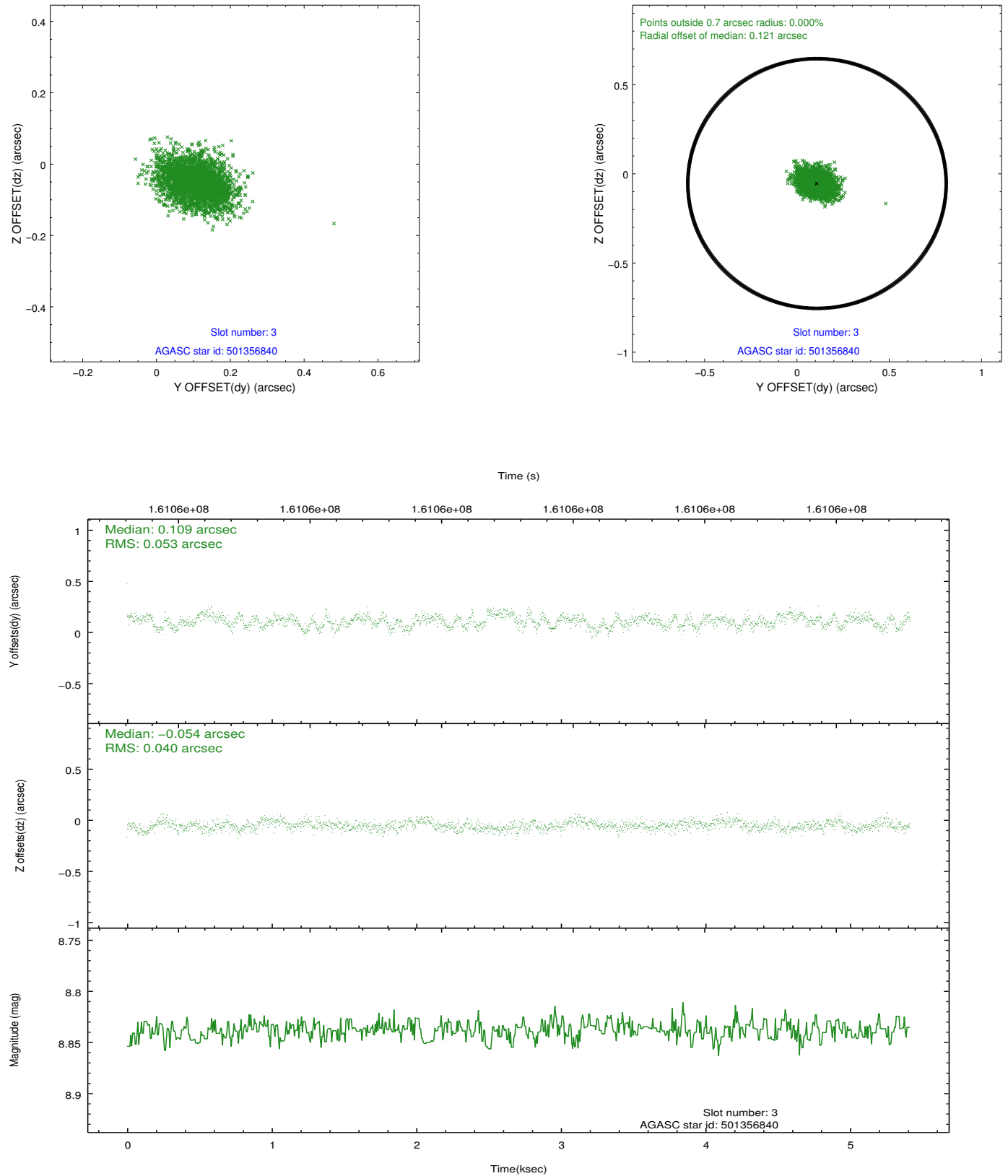


### Slot Statistics

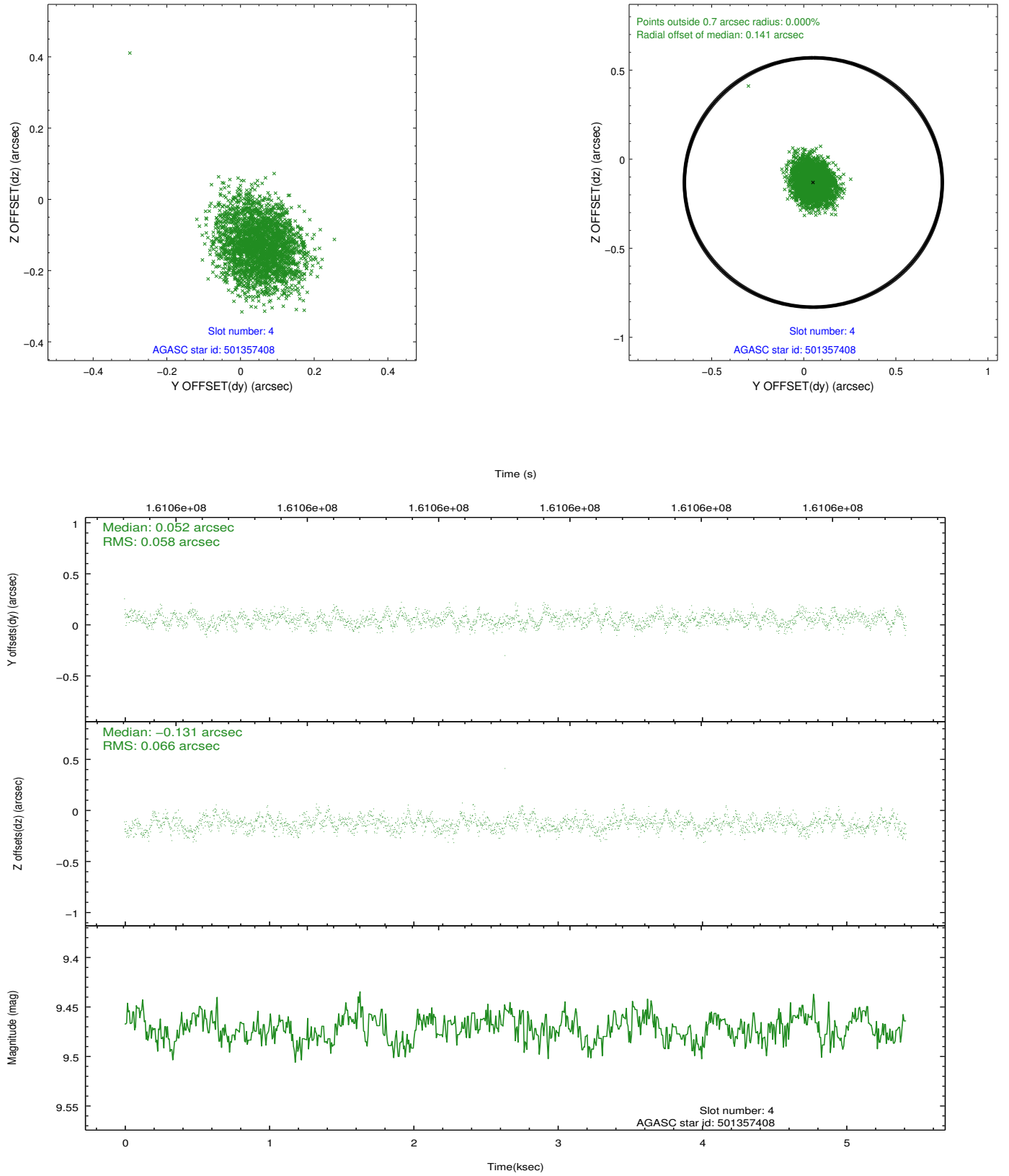
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1321	-0.047	-0.007	0.007	0.011	0.000000	0.000000	-755.73	-1727.12
1	FID	ACIS-S-4	7.21	1321	0.026	0.025	0.005	0.010	0.000000	0.000000	2157.07	180.33
2	FID	ACIS-S-5	7.24	1322	-0.010	-0.009	0.006	0.011	0.000000	0.000000	-1807.16	175.12
3	GUIDE	501356840	8.84	2643	0.109	-0.054	0.071	0.115	173.237733	52.523714	-1493.10	1279.93
4	GUIDE	501357408	9.47	2643	0.052	-0.131	0.094	0.148	172.610362	52.623636	-274.96	2007.80
5	GUIDE	502272048	8.12	2643	-0.046	0.176	0.086	0.131	173.533620	53.776055	1299.49	-2315.58
6	GUIDE	502275592	8.11	2643	-0.053	0.092	0.070	0.111	173.855602	53.574111	300.46	-2308.57
7	GUIDE	501356960	9.93	2640	-0.062	-0.086	0.136	0.223	172.277433	52.760125	586.06	2174.88

## 2.4 Star Slots

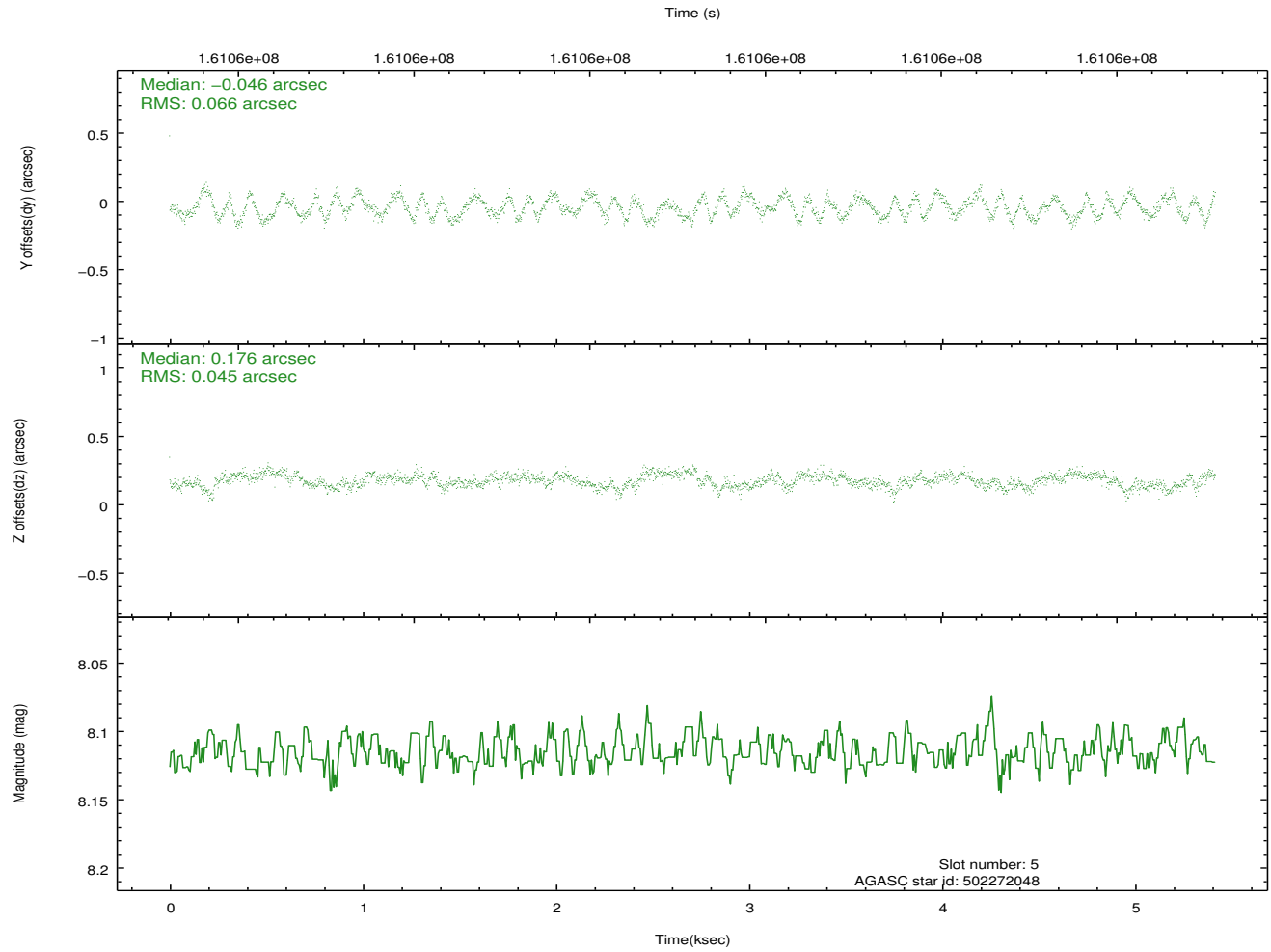
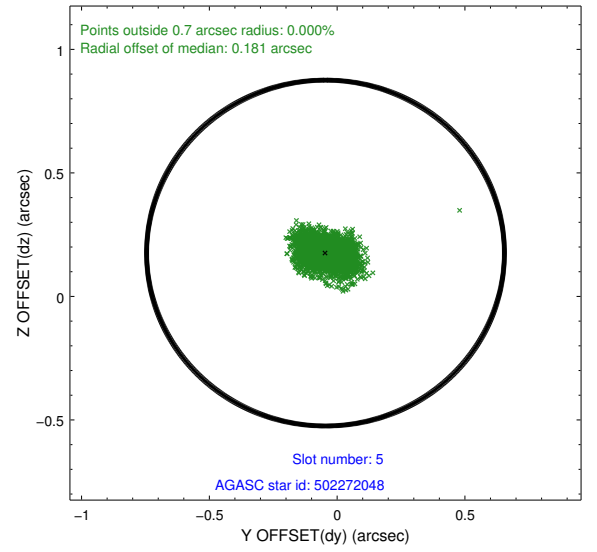
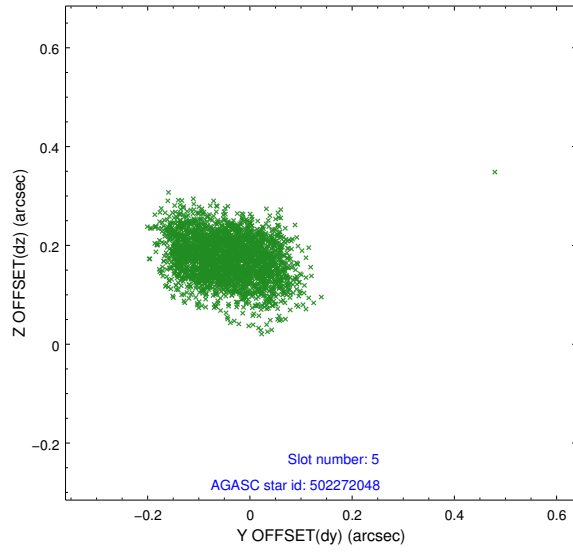
### 2.4.1 Slot 3



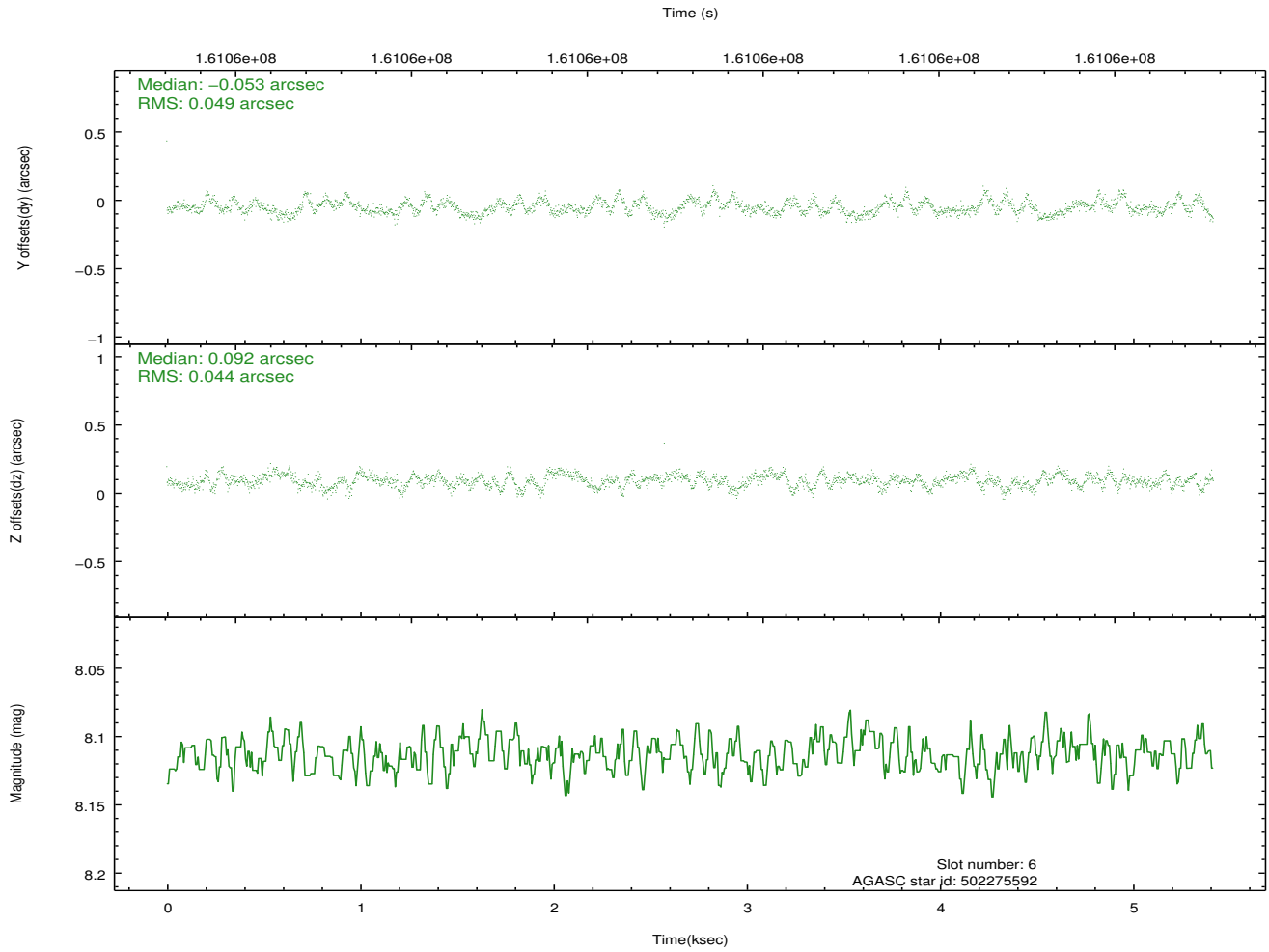
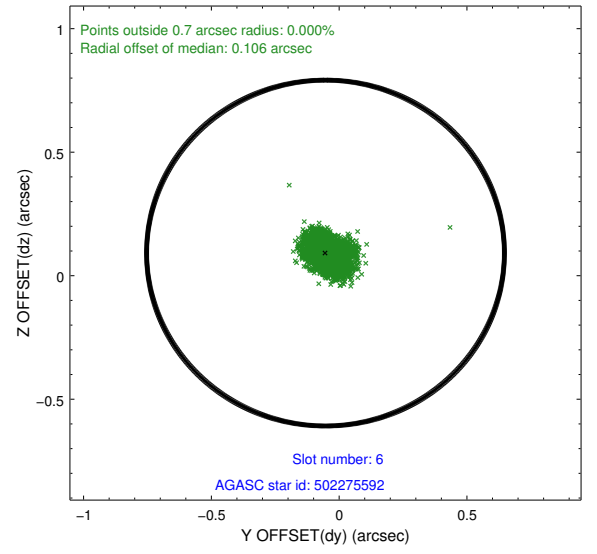
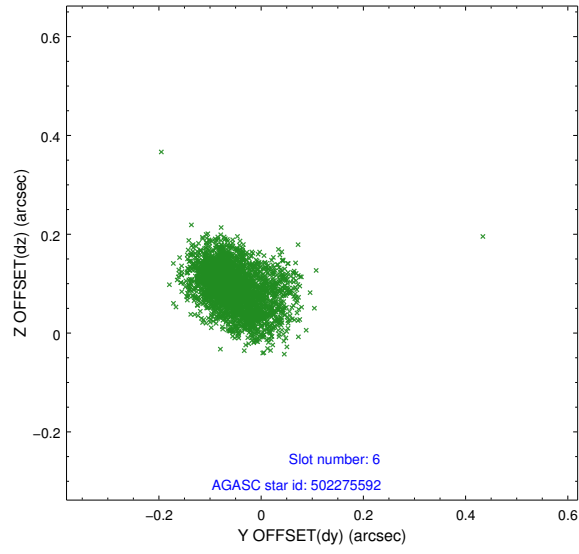
## 2.4.2 Slot 4



### 2.4.3 Slot 5

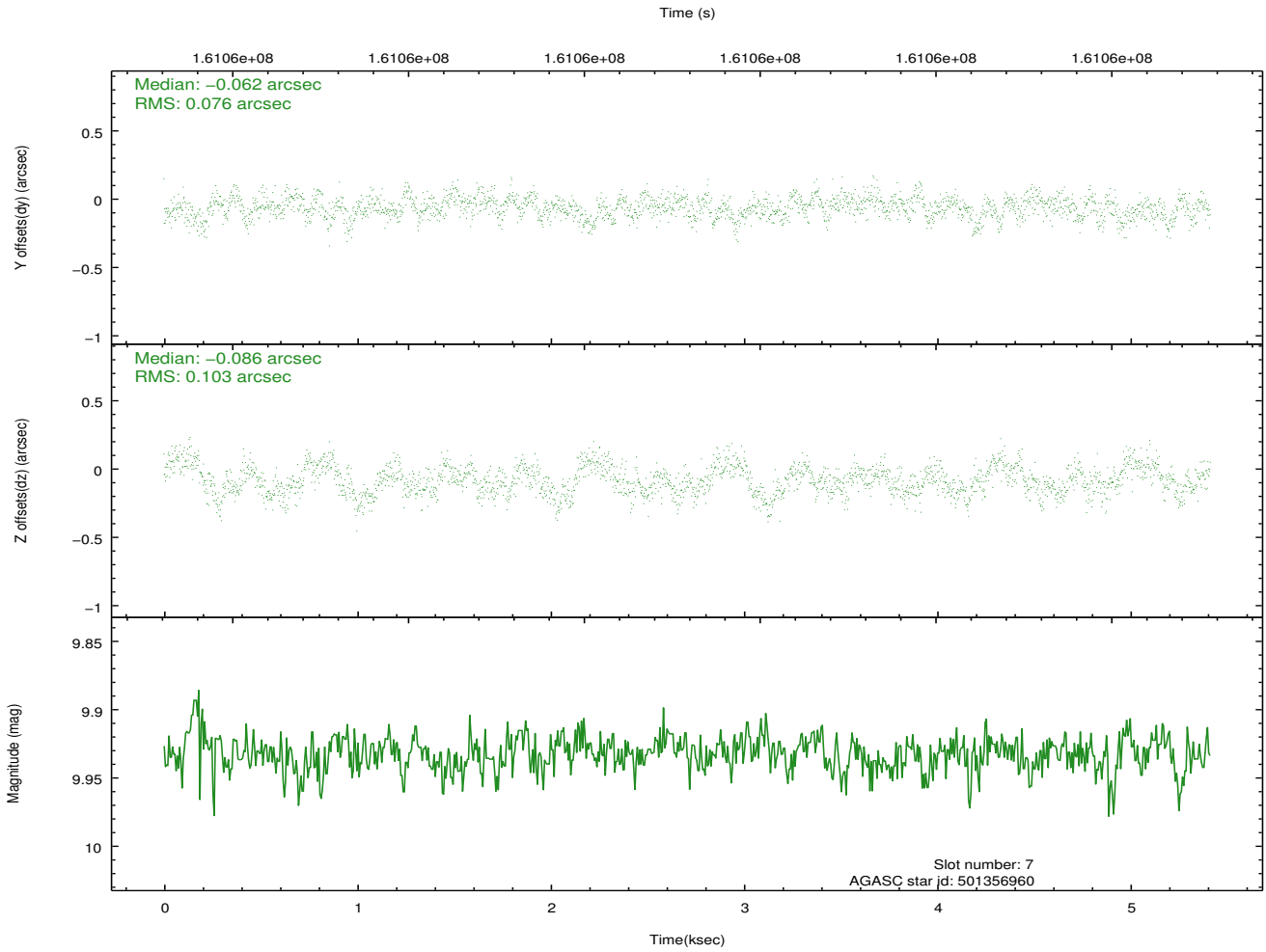
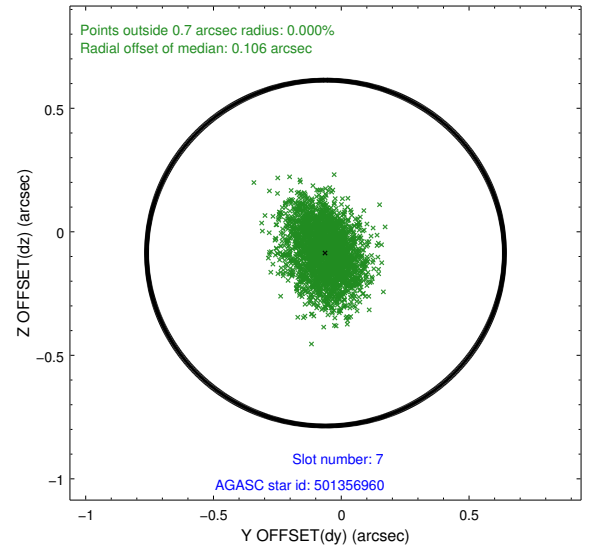
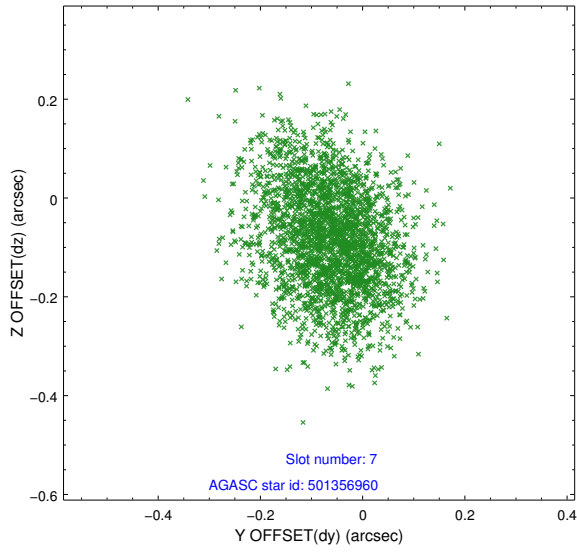


## 2.4.4 Slot 6



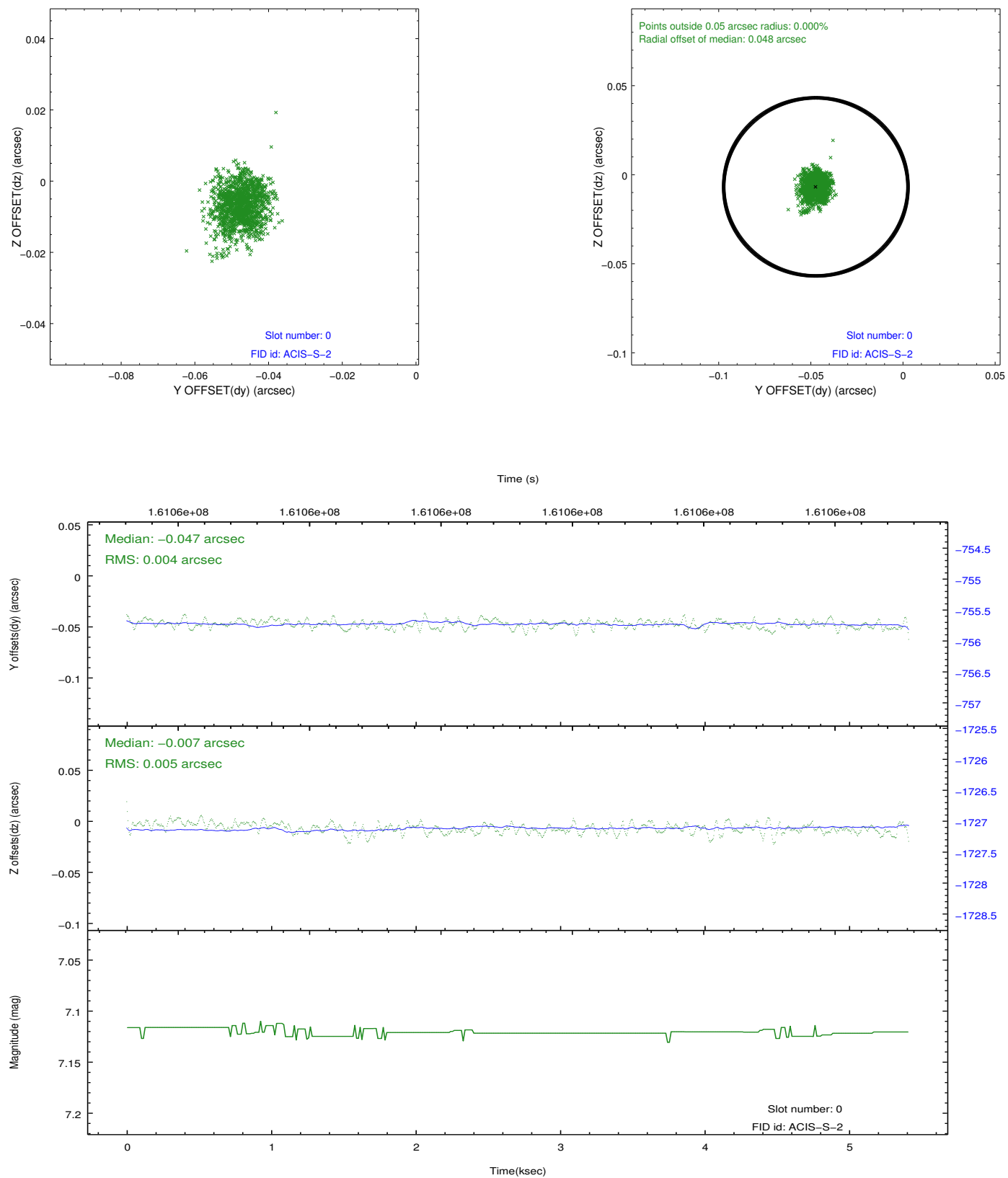


## 2.4.5 Slot 7

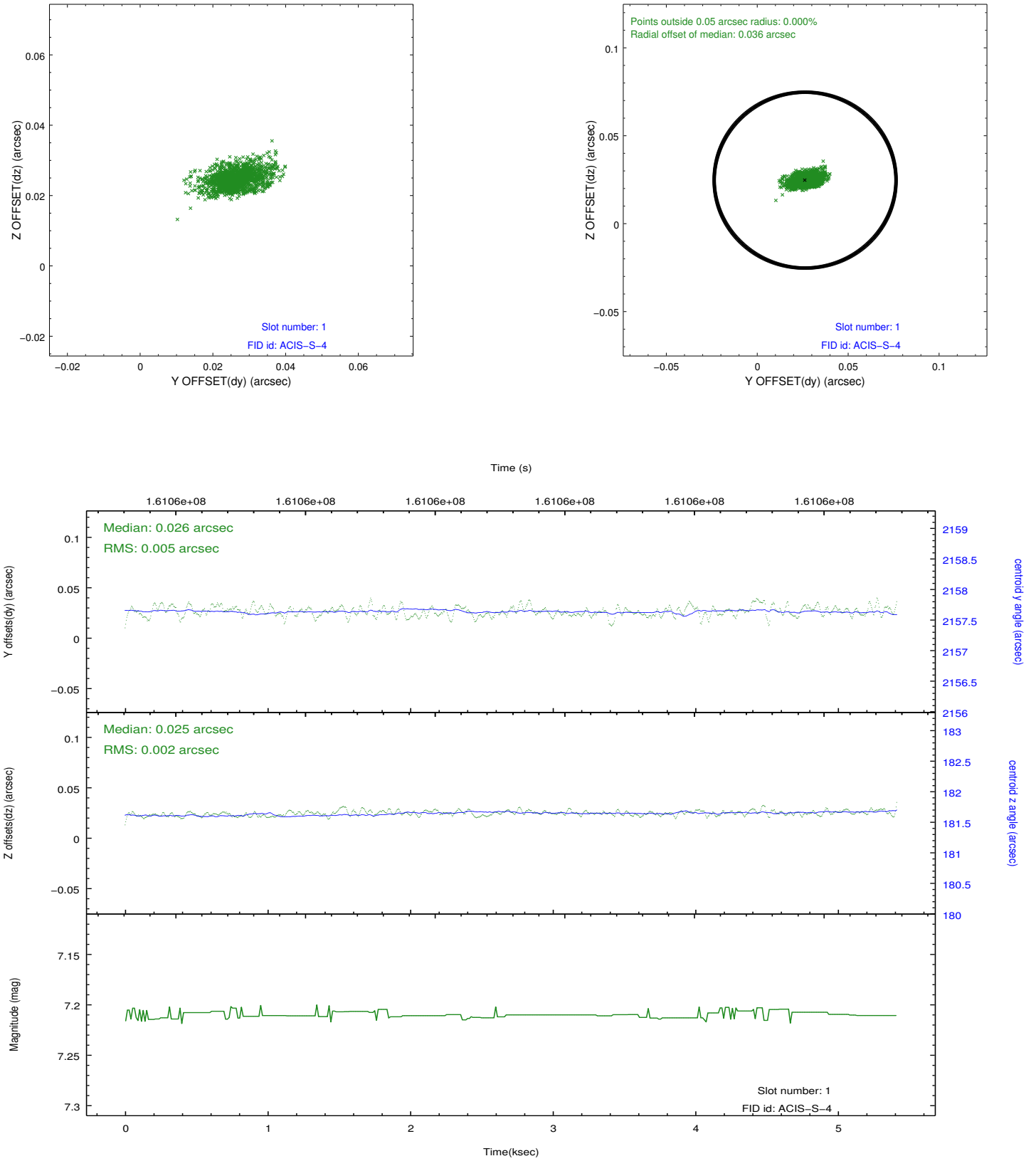


## 2.5 FID Slots

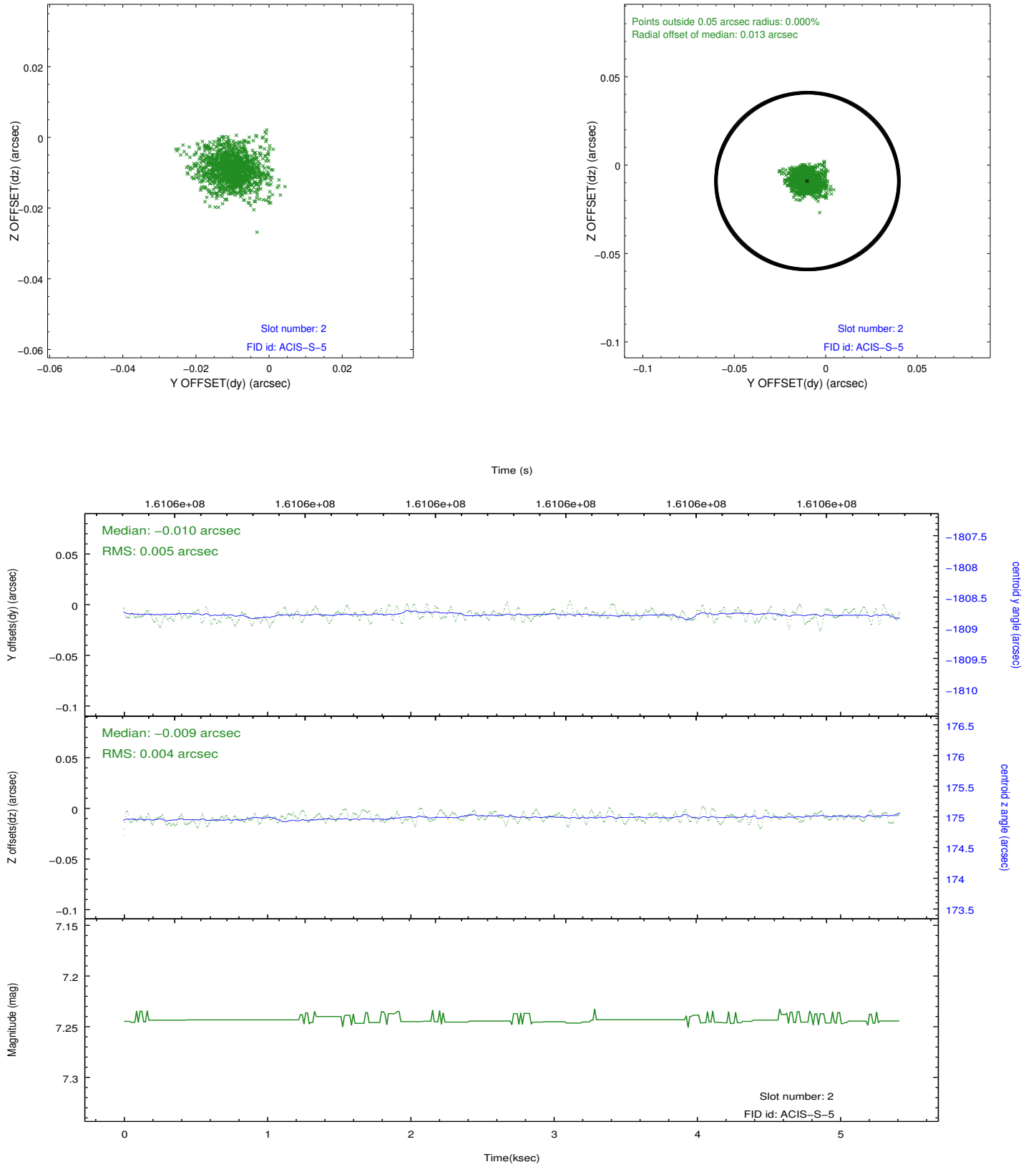
### 2.5.1 Slot 0



## 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)	2012.11.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.415

### **A.2 Comments**