

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 4358 - L2 Version 001  
Chandra X-Ray Center

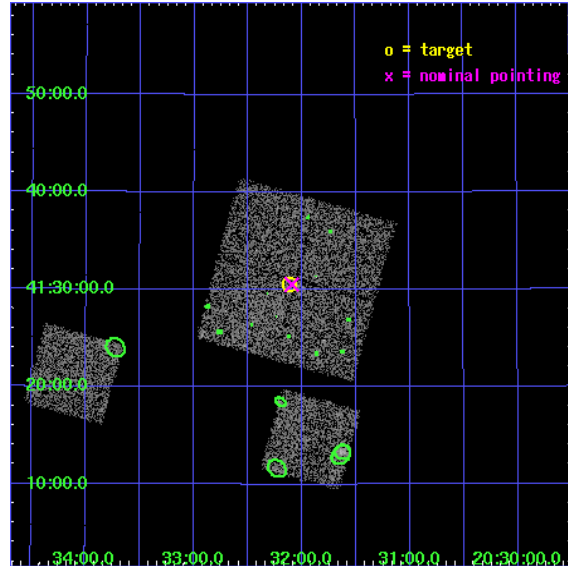
L2 Processing Date : Sep 30 2006

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# 1 Front

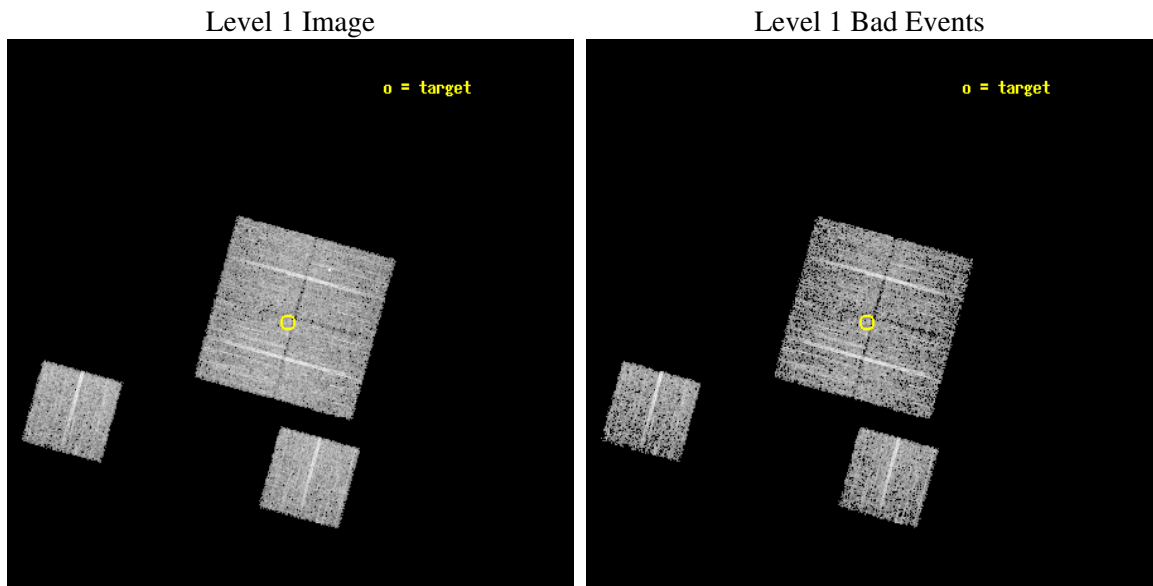
seq_num	400316
obs_id	4358
title	INVESTIGATION OF THE UNIQUE UNIDENTIFIED TEV SOURCE, TEV J2032+4130, IN CYG OB2
observer	Dr. Yousaf Butt
object	TEV J2032+4130
dtcycle	0
cycle	P
ra_targ	308.029167
dec_targ	41.508333
ra_nom	308.02309376175
dec_nom	41.508882332972
roll_nom	195.40100822942
revision	2
ontime	4975.999981463
livetime	4912.9908735102
ontime0	4975.999981463
ontime1	4975.999981463
ontime2	4975.999981463
ontime3	4975.999981463
ontime6	4975.999981463
ontime9	4975.999981463
l2events	23859



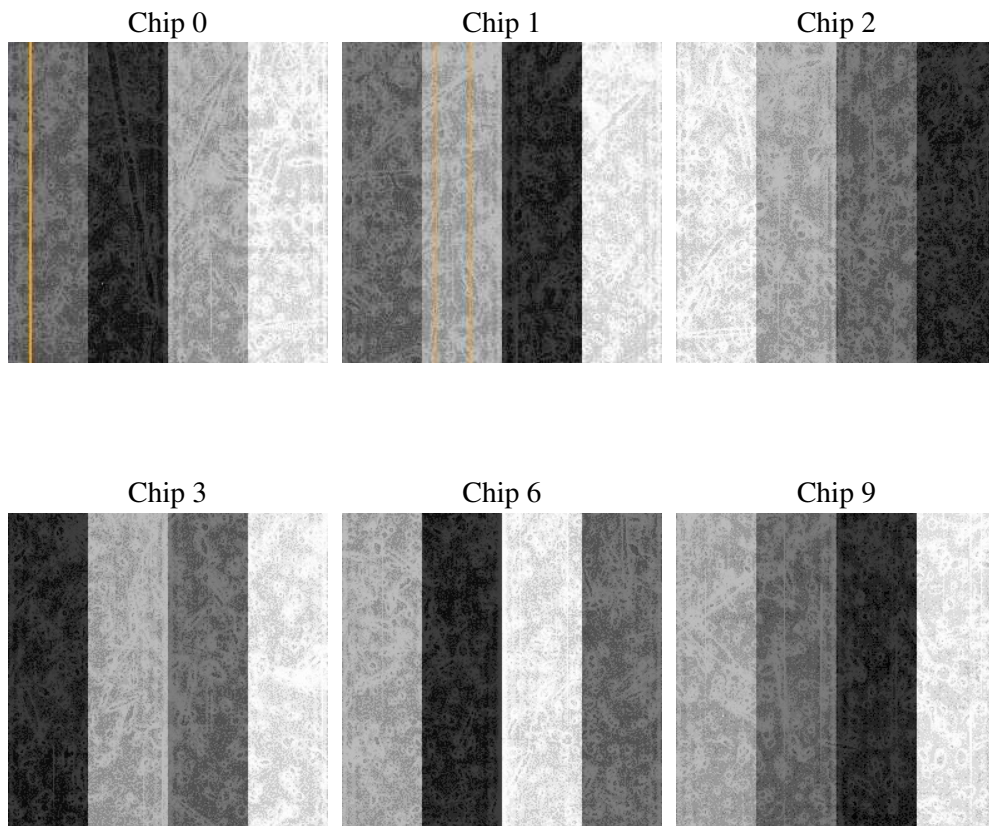
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-30T11:18:01
revision	2

sched_exp_time	5000.000000
ontime	4981.4191153049
ontime0	4981.4191153049
ontime1	4981.4191153049
ontime2	4981.4191153049
ontime3	4981.4191153049
ontime6	4981.4191153049
ontime9	4981.4191153049
l1events	185899

### 2.1.4 Events

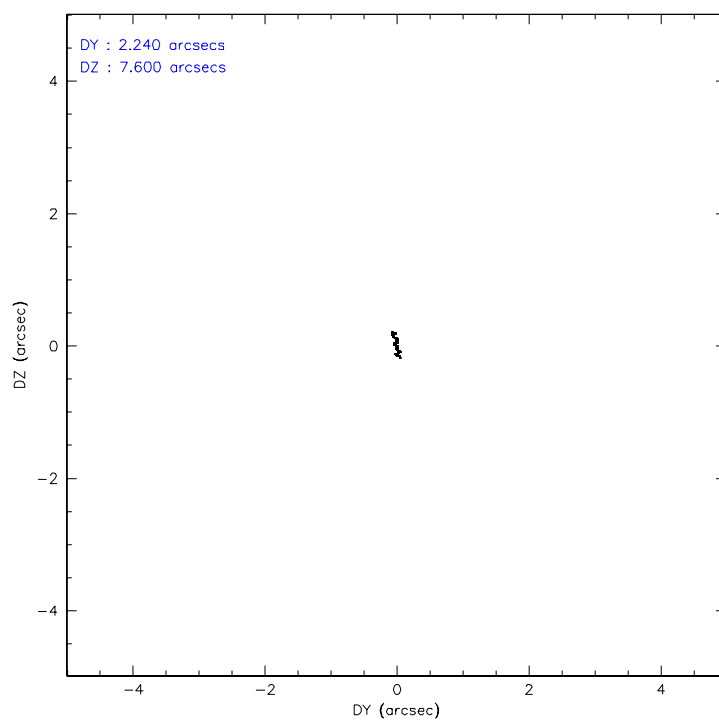
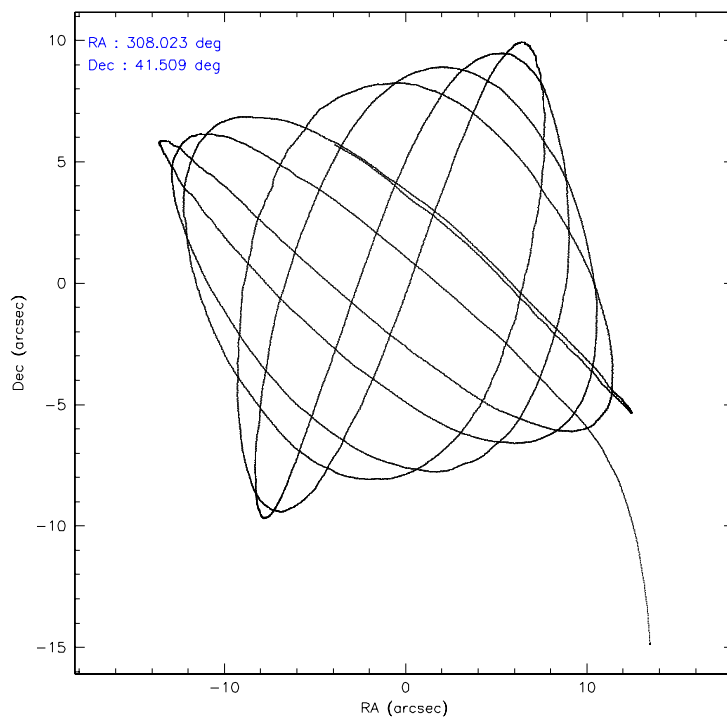
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 9
level 1 events	28375	29016	31358	32684	32122	32344
rejected events	24040	24739	26726	27854	27527	27983
rejected %	84%	85%	85%	85%	85%	86%

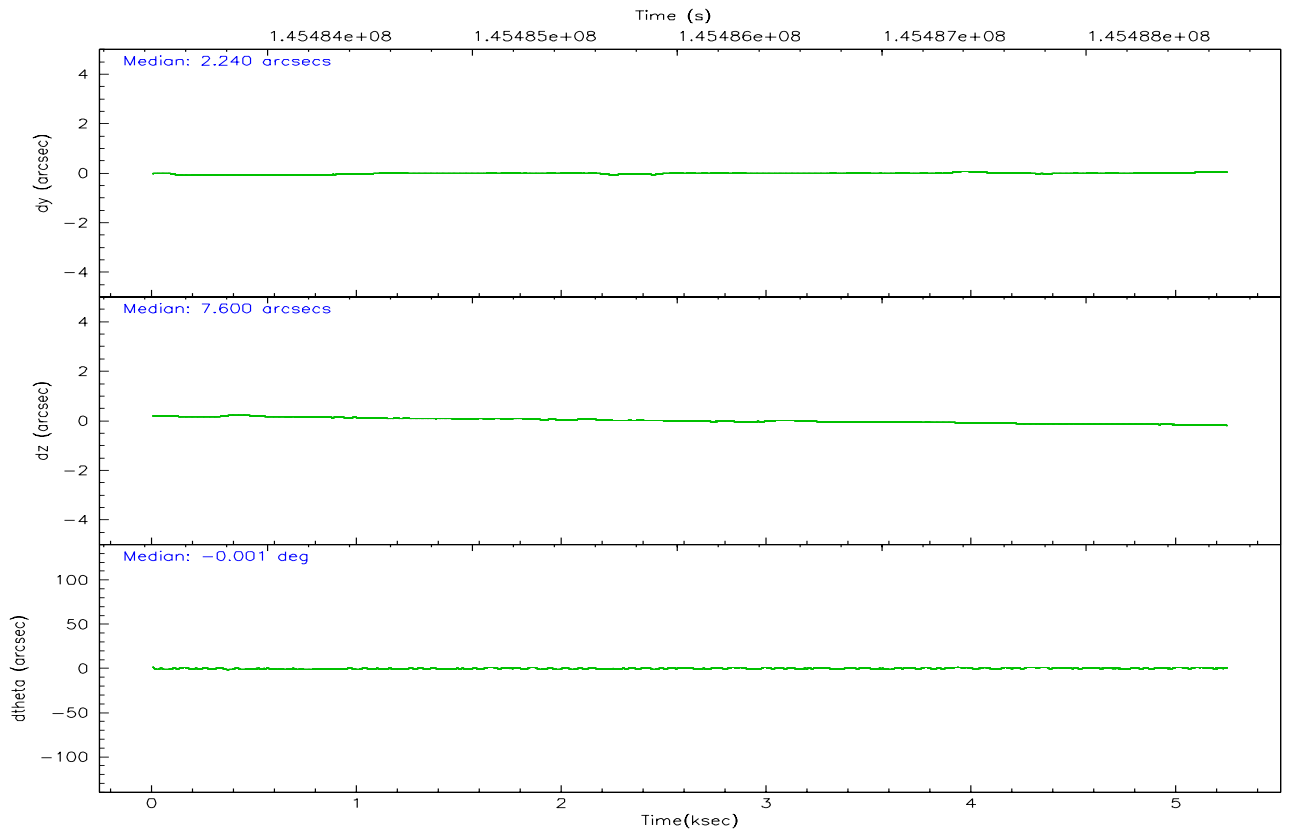
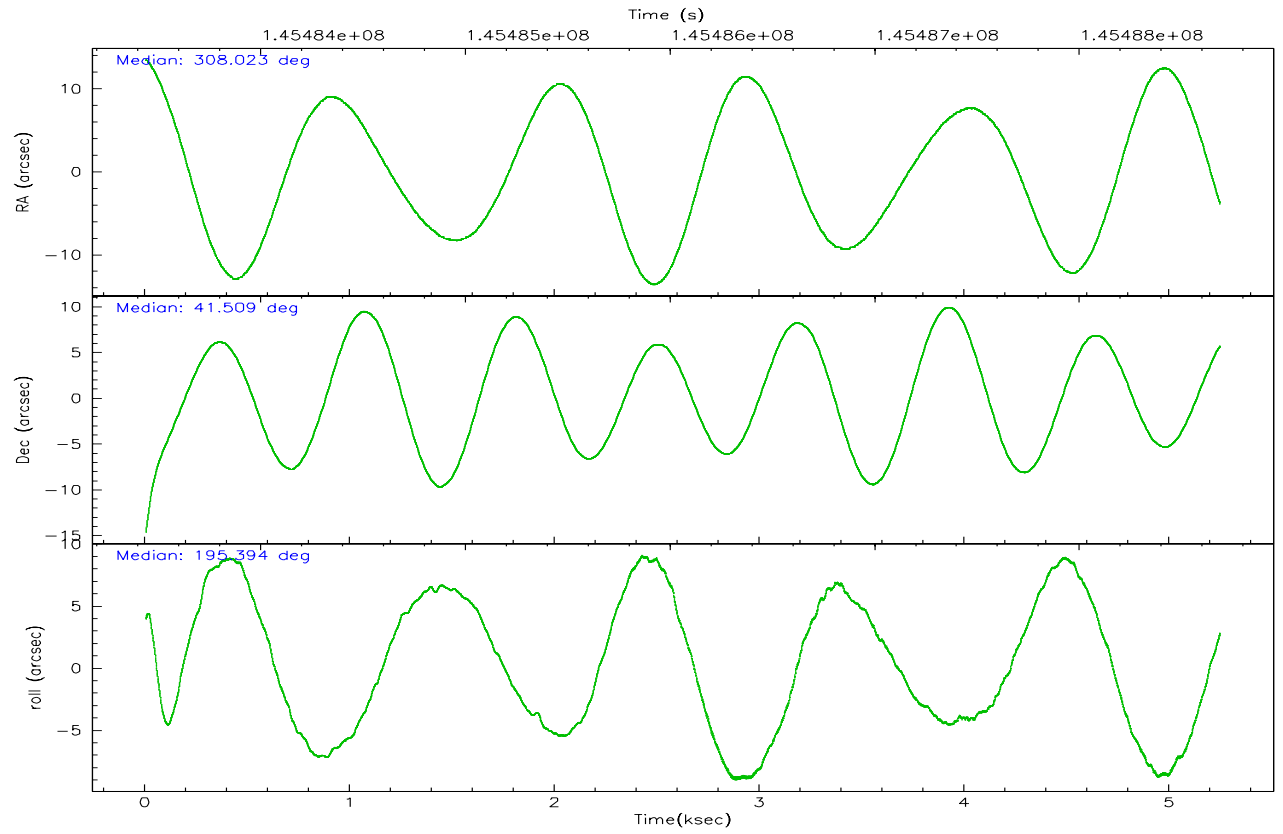
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 9
grade 0 events	2136	1873	2358	2557	2251	2012
	7%	6%	7%	7%	7%	6%
grade 1 events	25	10	25	23	12	16
	0%	0%	0%	0%	0%	0%
grade 2 events	797	866	850	790	832	782
	2%	2%	2%	2%	2%	2%
grade 3 events	376	399	369	417	386	415
	1%	1%	1%	1%	1%	1%
grade 4 events	380	395	407	419	366	396
	1%	1%	1%	1%	1%	1%
grade 5 events	1196	1236	1152	1331	1393	1479
	4%	4%	3%	4%	4%	4%
grade 6 events	649	748	656	651	766	758
	2%	2%	2%	1%	2%	2%
grade 7 events	22816	23489	25541	26496	26116	26486
	80%	80%	81%	81%	81%	81%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012369	ACIS-012369	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
Pointing RA	308.048606	308.0230937617492	Subarray requested	NONE	NONE
Pointing Dec	41.528516	41.50888233297189	Alternating exposures requested	N	N
Pointing Roll	195.175382	195.4010082294203	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	145483691.184000	145482690.98249			
Observation start date	2002-08-11T20:07:07	2002-08-11T19:51:30			
Observation end time	145488691.184000	145489437.02027			
Observation end date	2002-08-11T21:30:27	2002-08-11T21:43:57			
Read mode	TIMED	TIMED			

## 2.3 Aspect





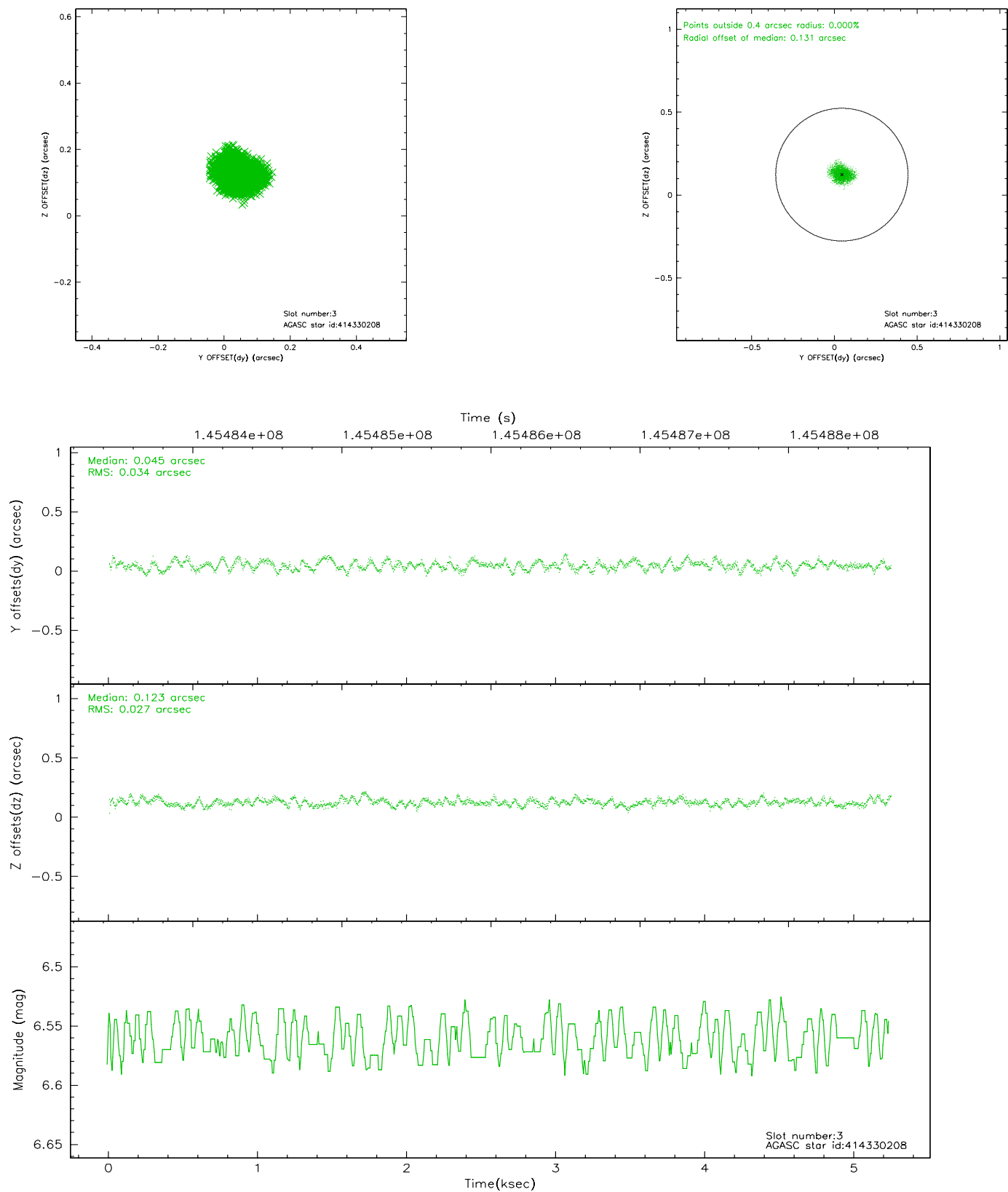
### Slot Statistics

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	1279	-0.037	0.074	0.009	0.016	0.000000	0.000000	937.53	-830.97
1	FID	ACIS-I-5	7.23	1280	-0.009	0.036	0.006	0.011	0.000000	0.000000	-1809.87	1065.97
2	FID	ACIS-I-6	7.26	1279	-0.045	-0.039	0.007	0.013	0.000000	0.000000	401.87	1711.66
3	GUIDE	414330208	6.56	2559	0.045	0.123	0.047	0.075	308.825098	41.890180	-2351.64	-720.57
4	GUIDE	413805792	7.33	2559	-0.070	-0.141	0.059	0.092	307.778748	40.858024	1339.38	2136.40
5	GUIDE	414200552	8.04	2558	0.094	0.065	0.094	0.147	307.125971	42.009807	1925.76	-2329.39
6	GUIDE	413798232	8.32	2558	-0.033	-0.025	0.102	0.186	309.116117	41.044272	-2345.37	2423.50
7	GUIDE	414199536	8.60	2557	-0.053	-0.021	0.074	0.120	307.117380	41.957142	1997.86	-2153.17

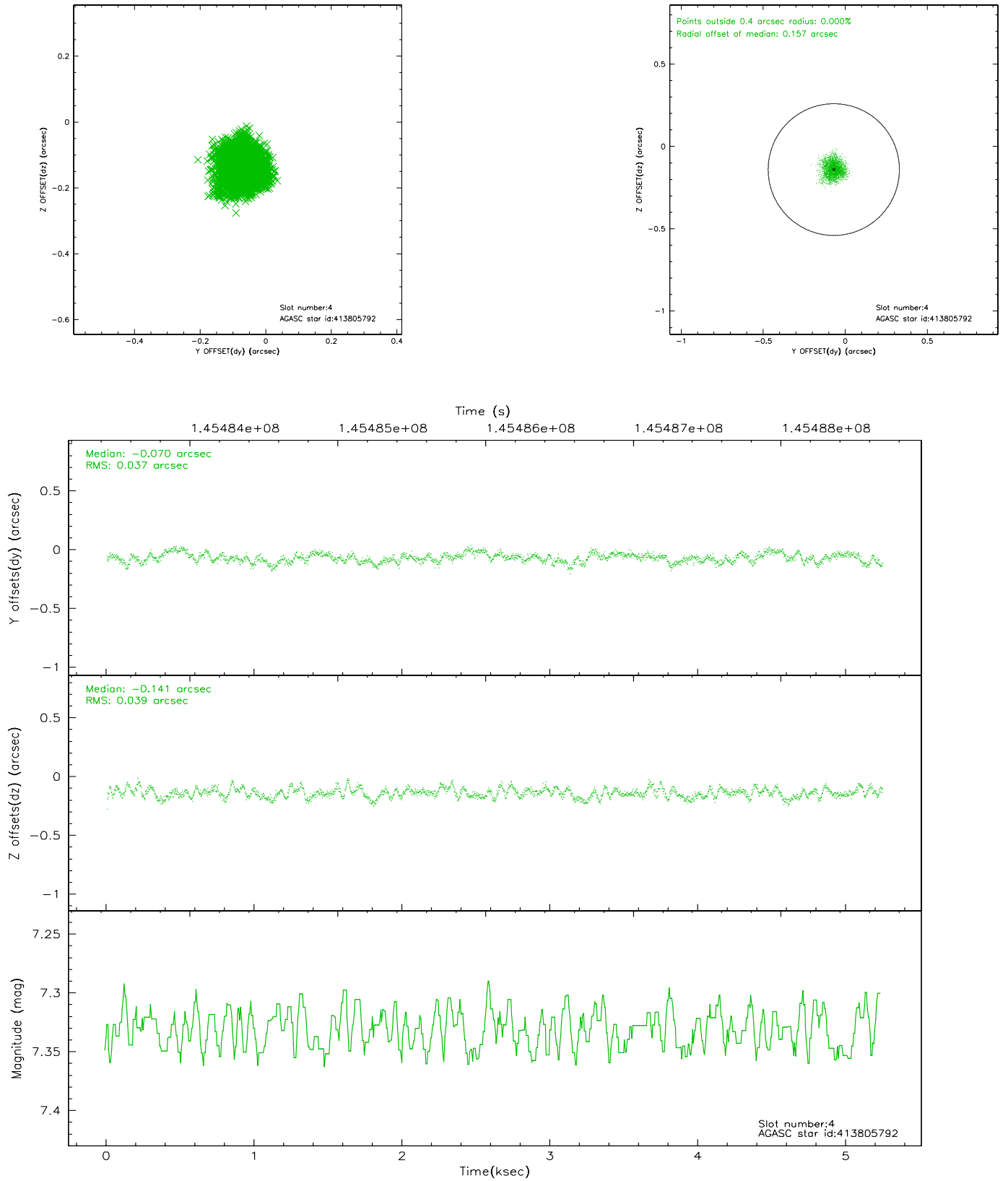


## 2.4 Star Slots

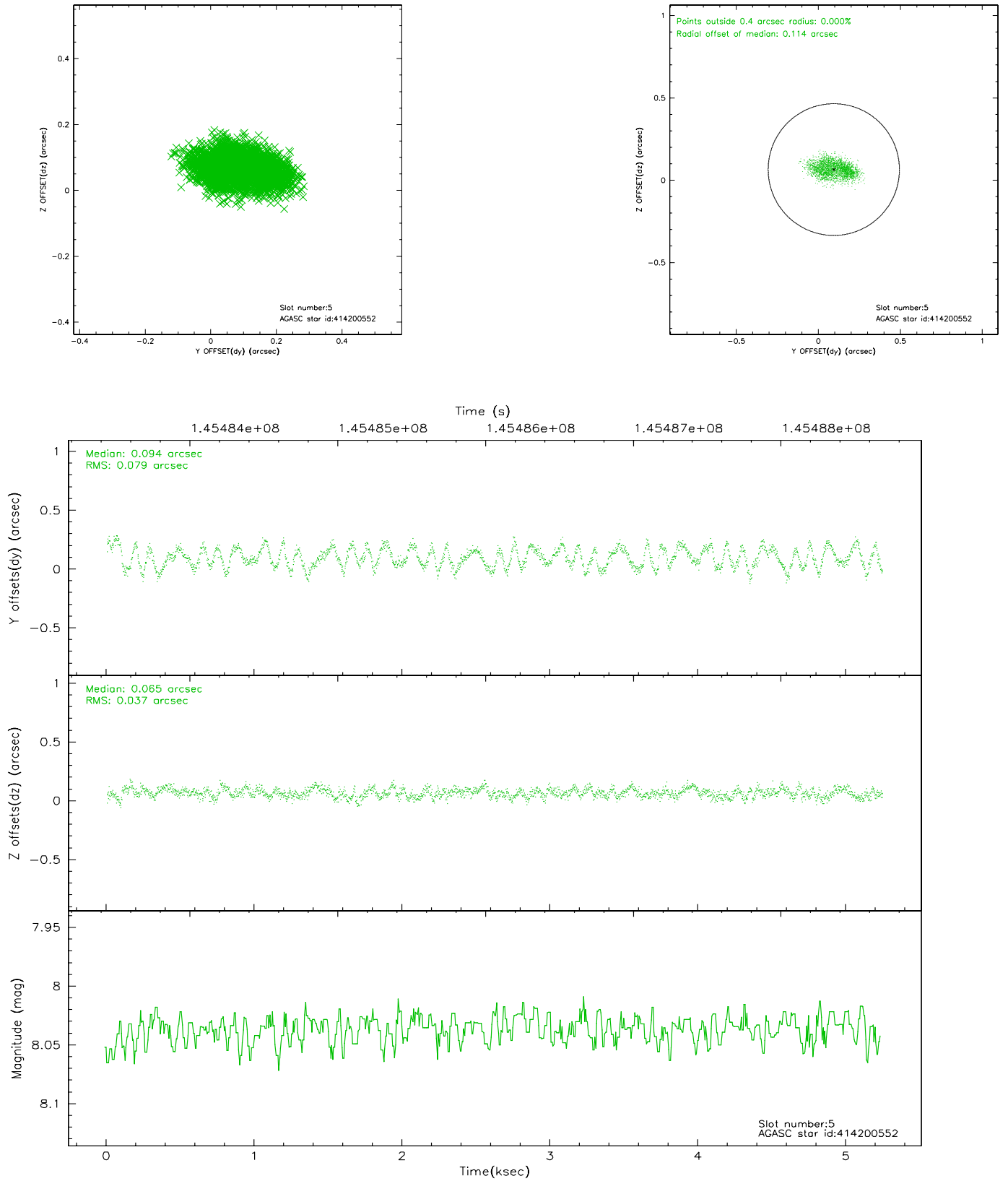
### 2.4.1 Slot 3



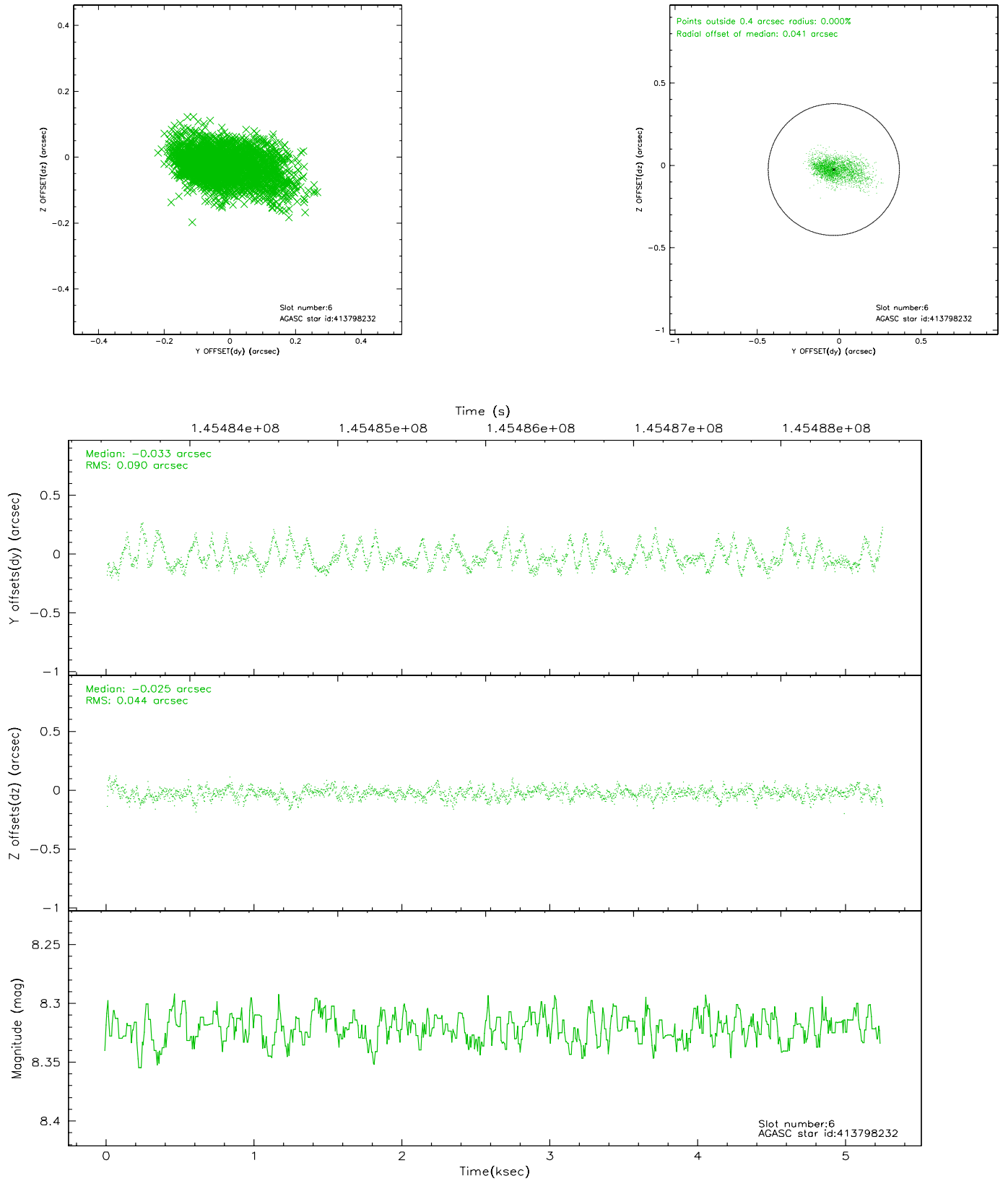
## 2.4.2 Slot 4



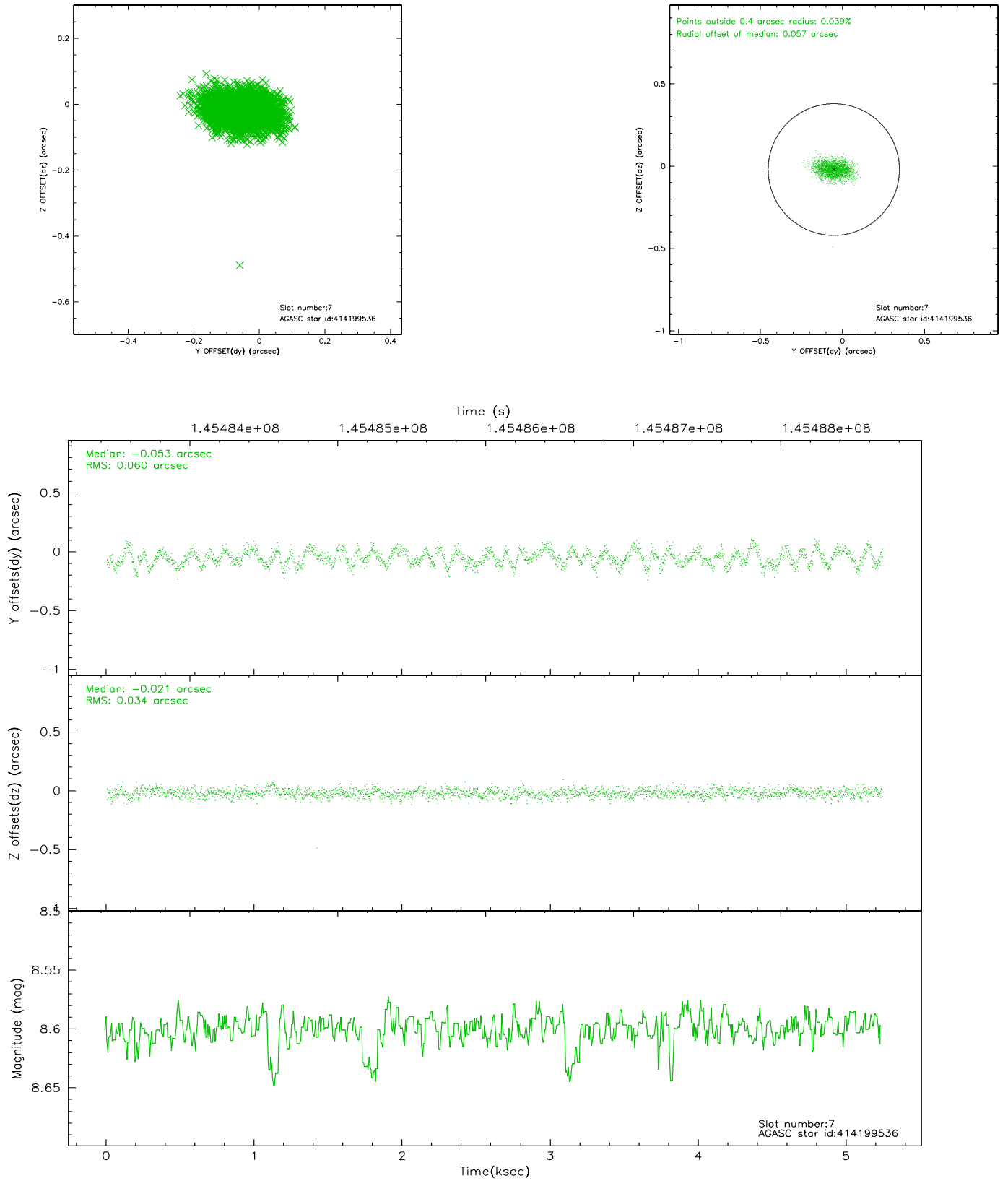
### 2.4.3 Slot 5



## 2.4.4 Slot 6

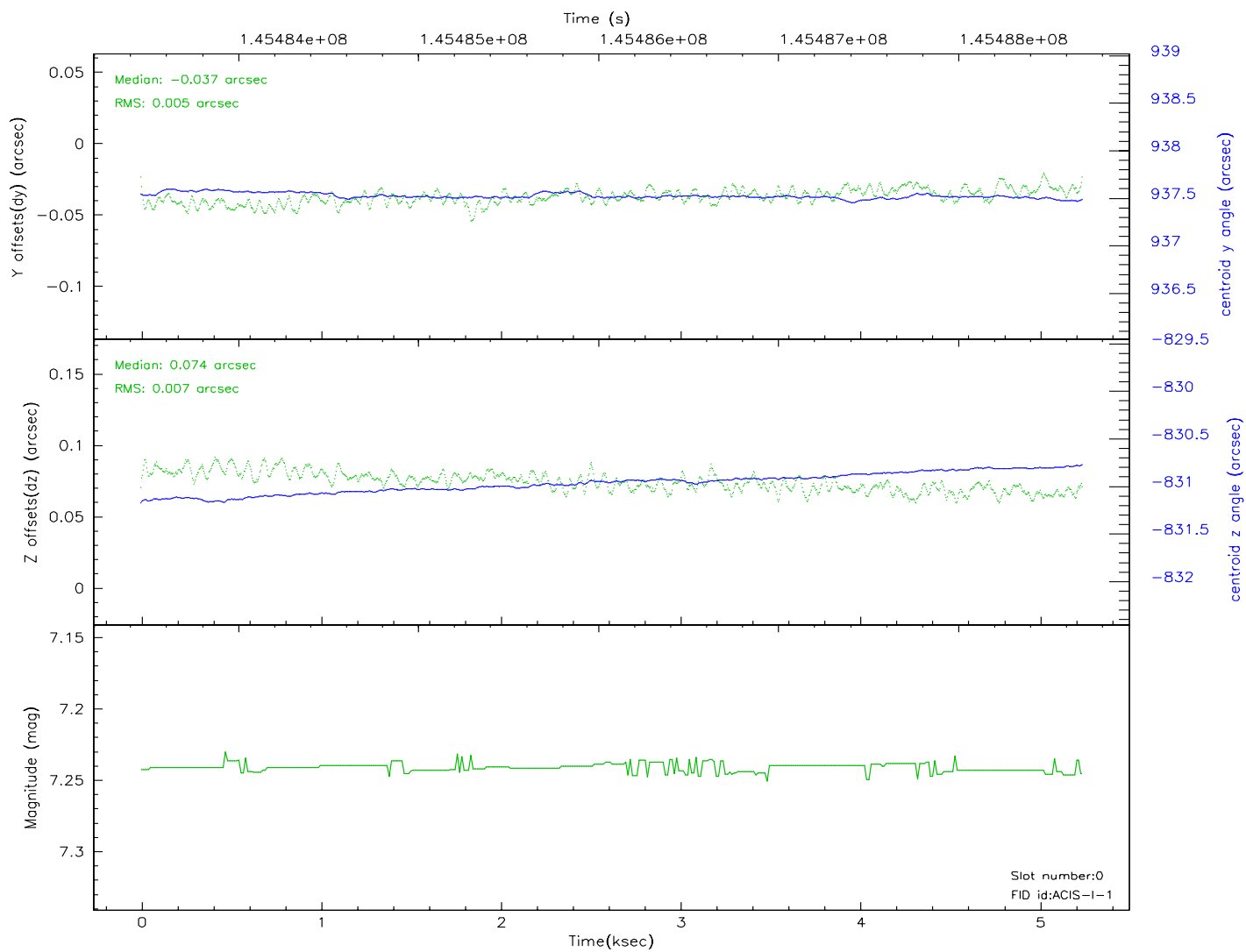
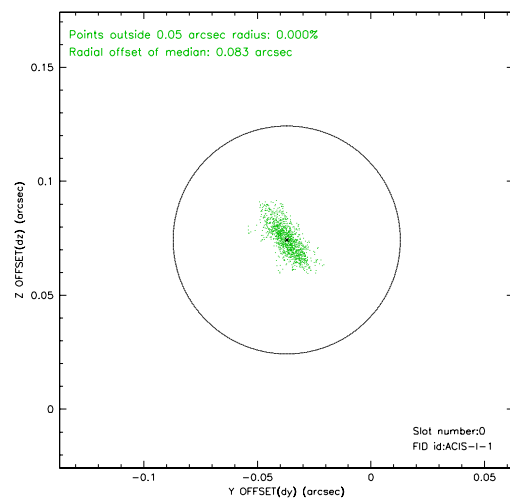
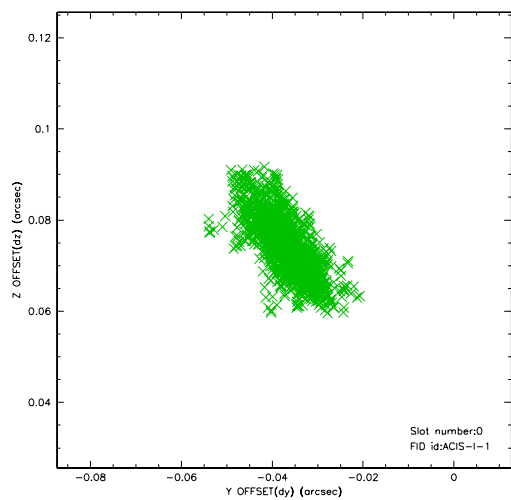


## 2.4.5 Slot 7

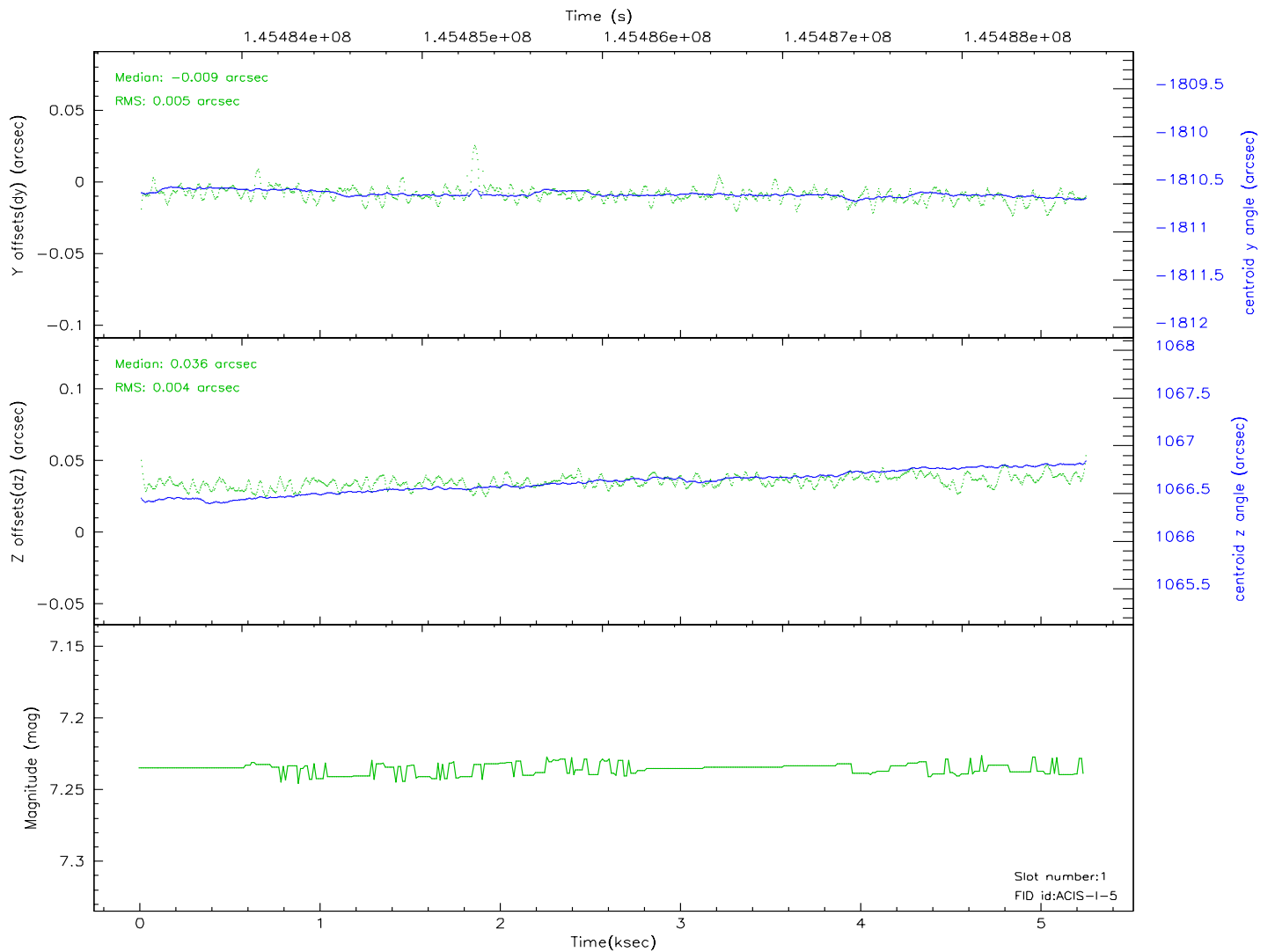
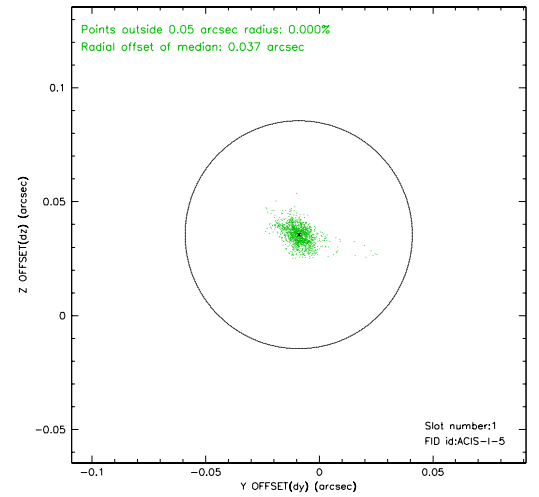
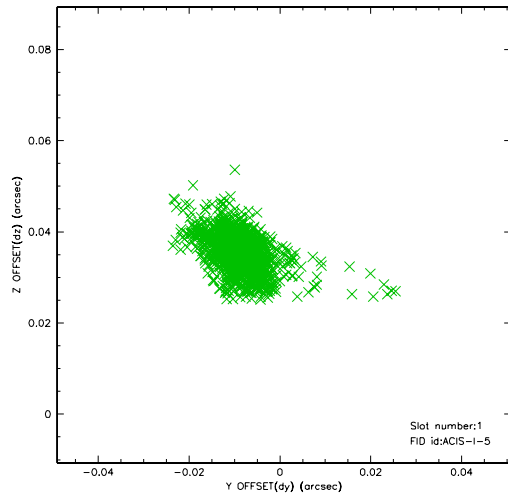


## 2.5 FID Slots

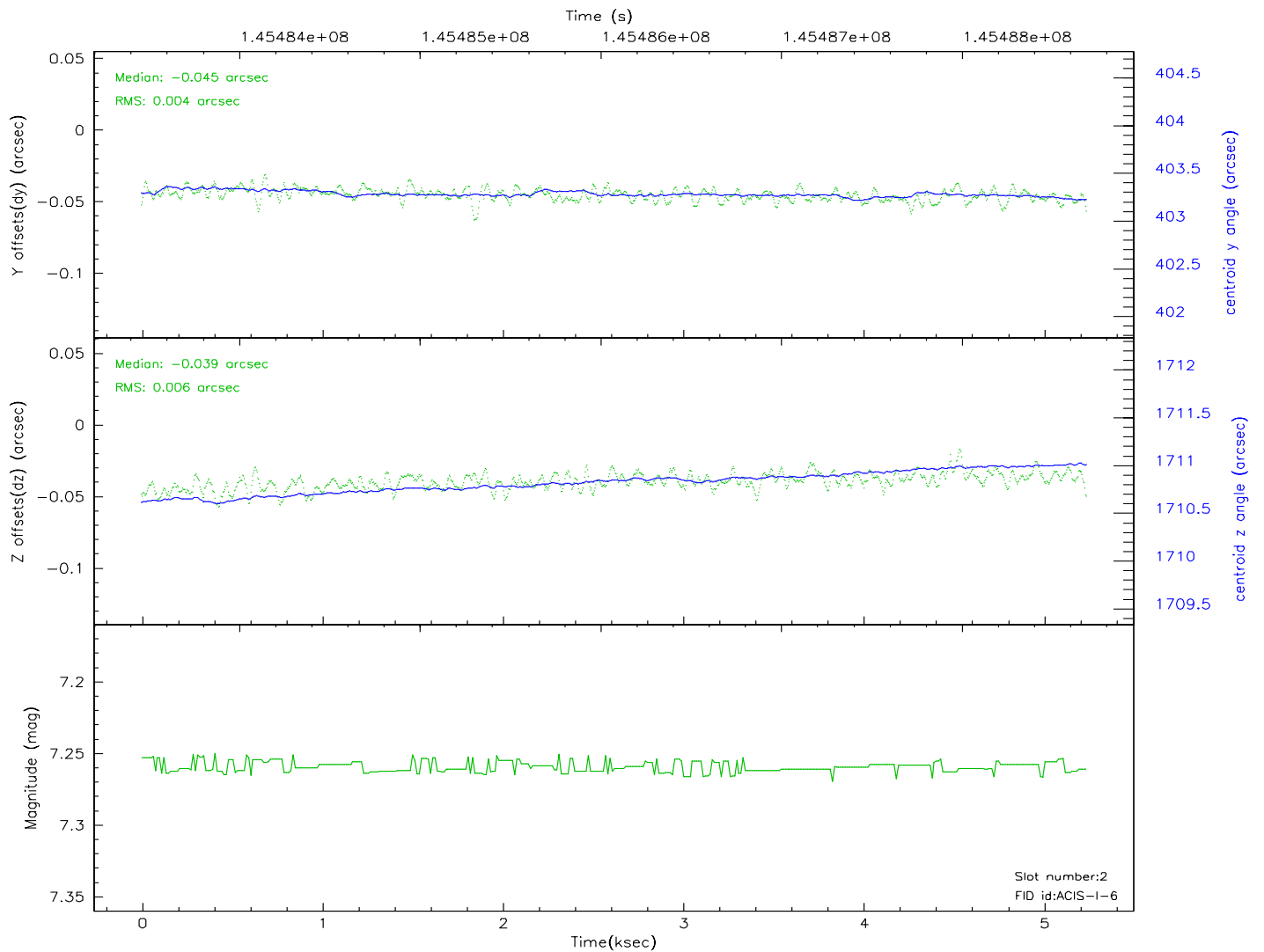
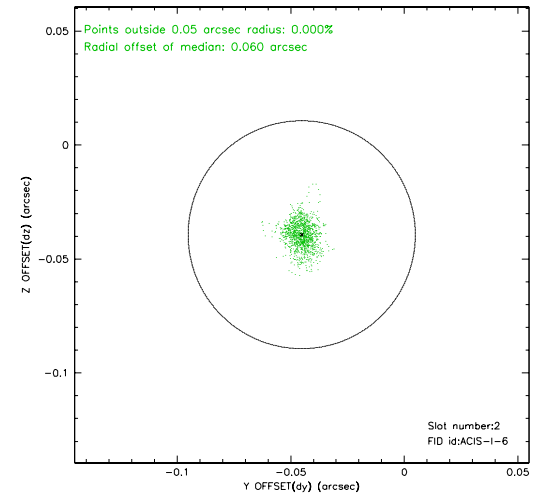
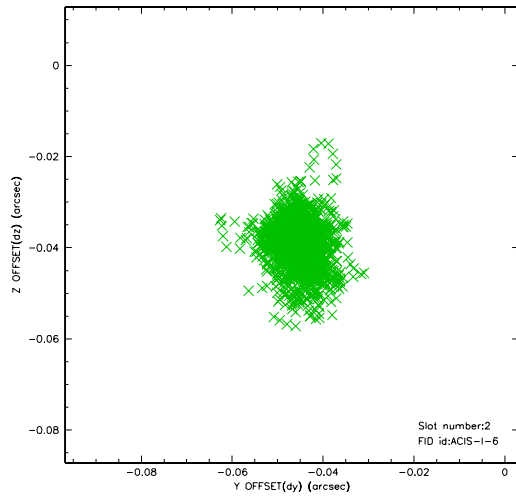
### 2.5.1 Slot 0



## 2.5.2 Slot 1

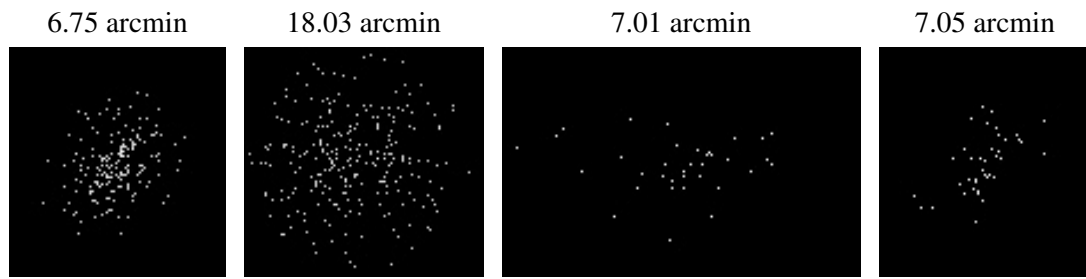


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.979

### A.2 Comments