

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4906 - L2 Version 001  
Chandra X-Ray Center

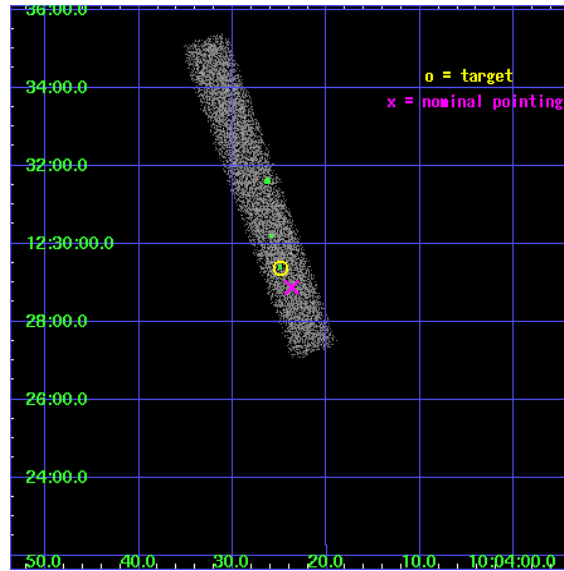
L2 Processing Date : May 1 2006

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# 1 Front

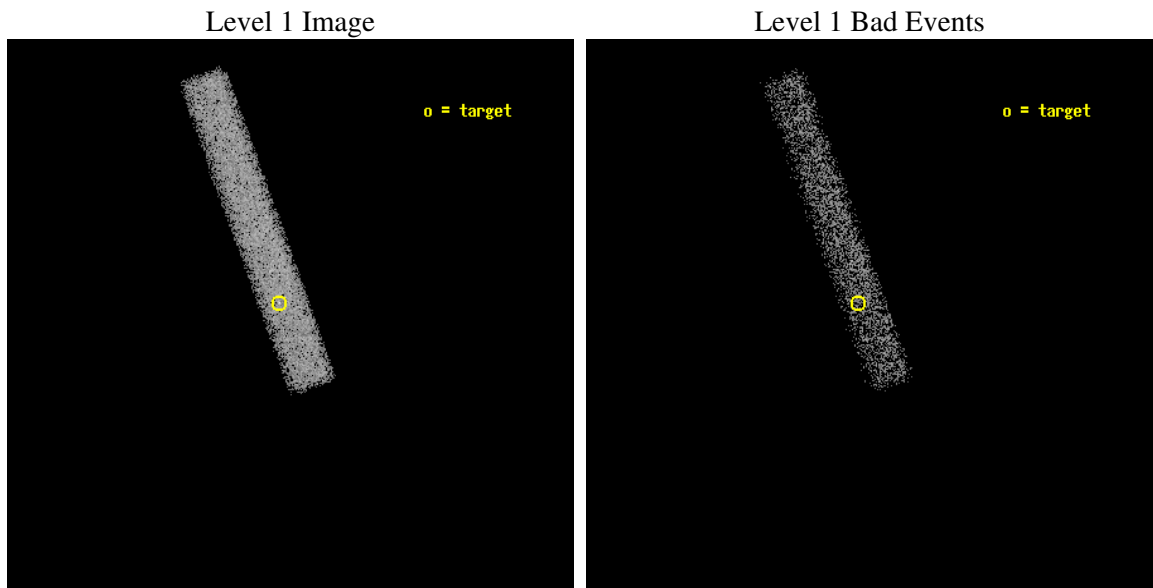
seq_num	700987
obs_id	4906
title	The X-ray Spectra of Red Quasars
observer	Dr Mark Lacy
object	FTM 1004+1229
dtcycle	0
cycle	P
ra_targ	151.10375
dec_targ	12.489556
ra_nom	151.09878768299
dec_nom	12.48117530409
roll_nom	250.03145710033
revision	2
ontime	19478.400290251
livetime	17665.880908989
ontime7	19478.400290251
l2events	10639



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.1
date	2006-05-01T11:35:04
revision	2

sched_exp_time	19314.000000
ontime	20361.700660437
ontime7	20361.700660437
l1events	26717

### 2.1.4 Events

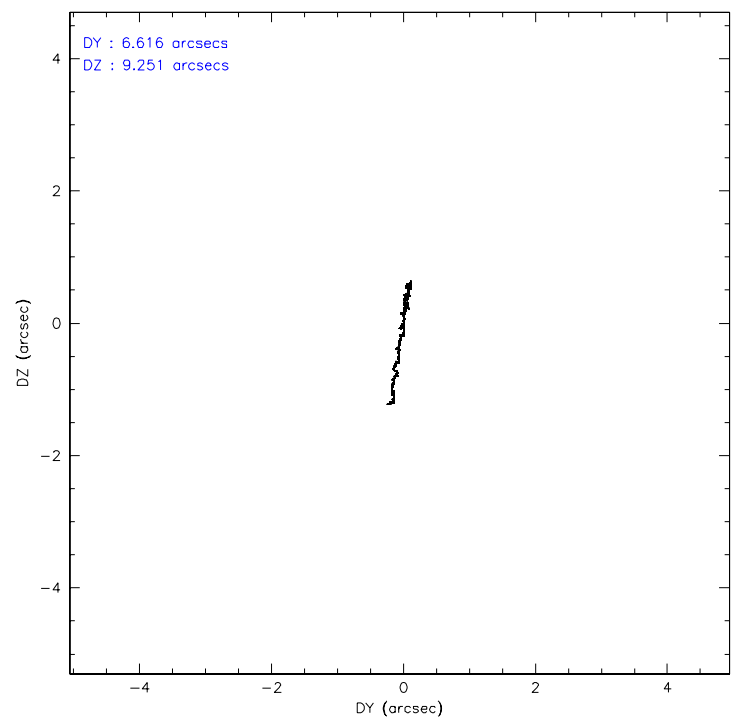
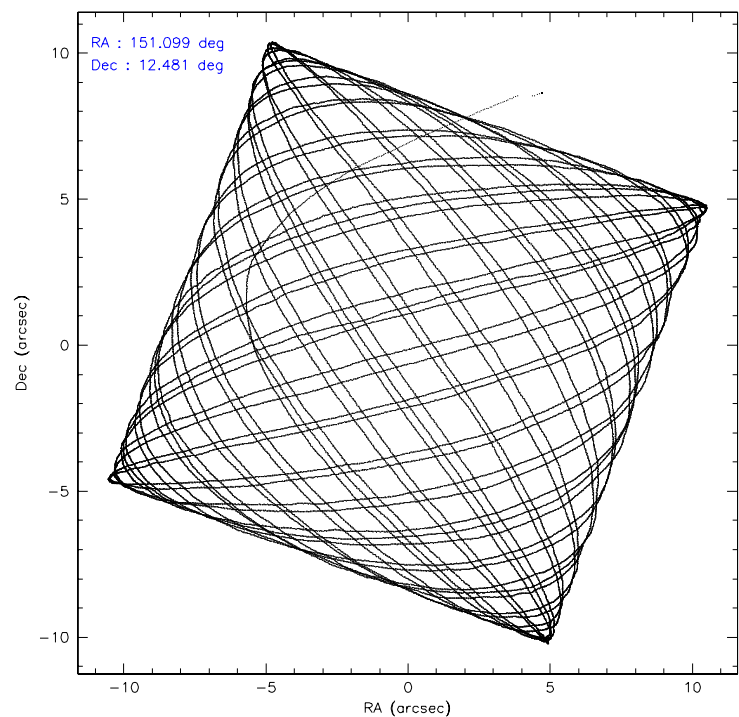
	<b>ccd 7</b>
level 1 events	26717
rejected events	15628
rejected %	58%

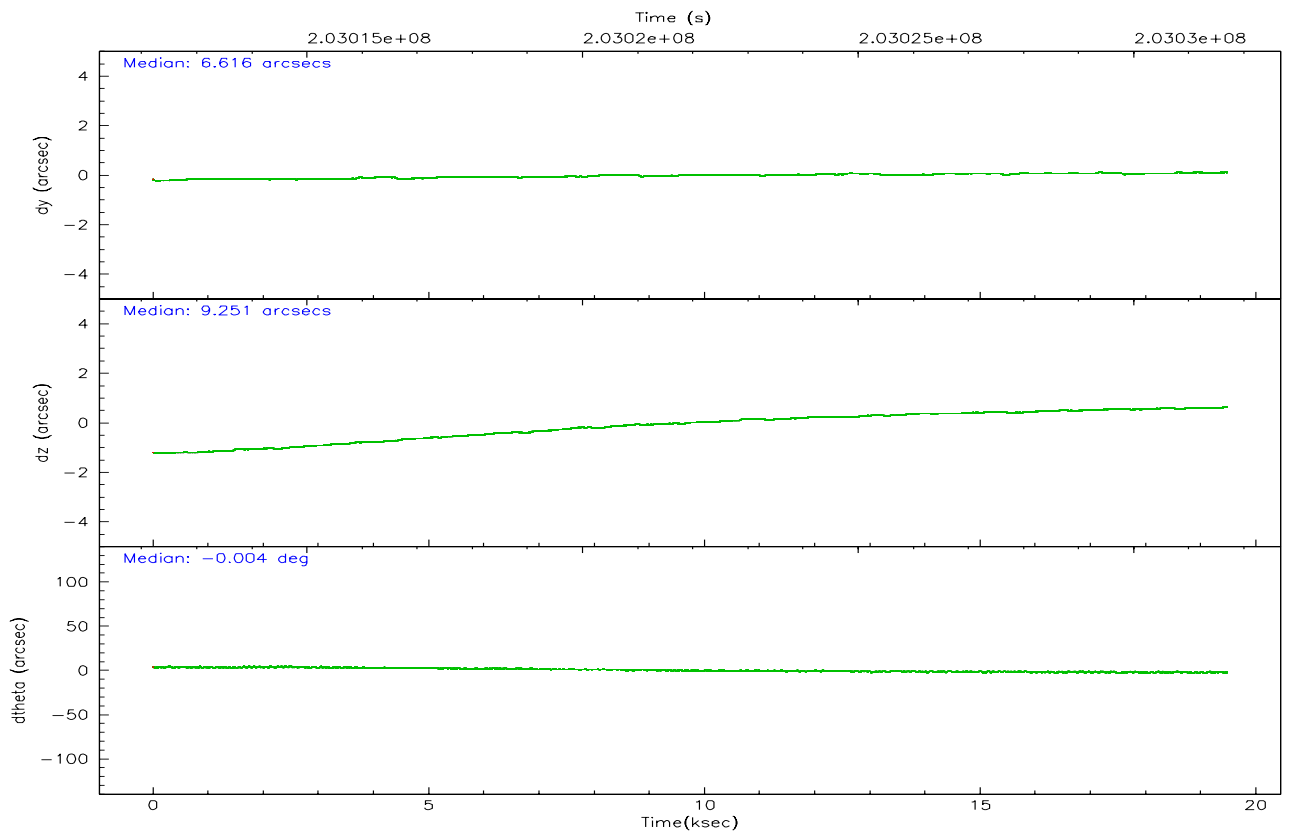
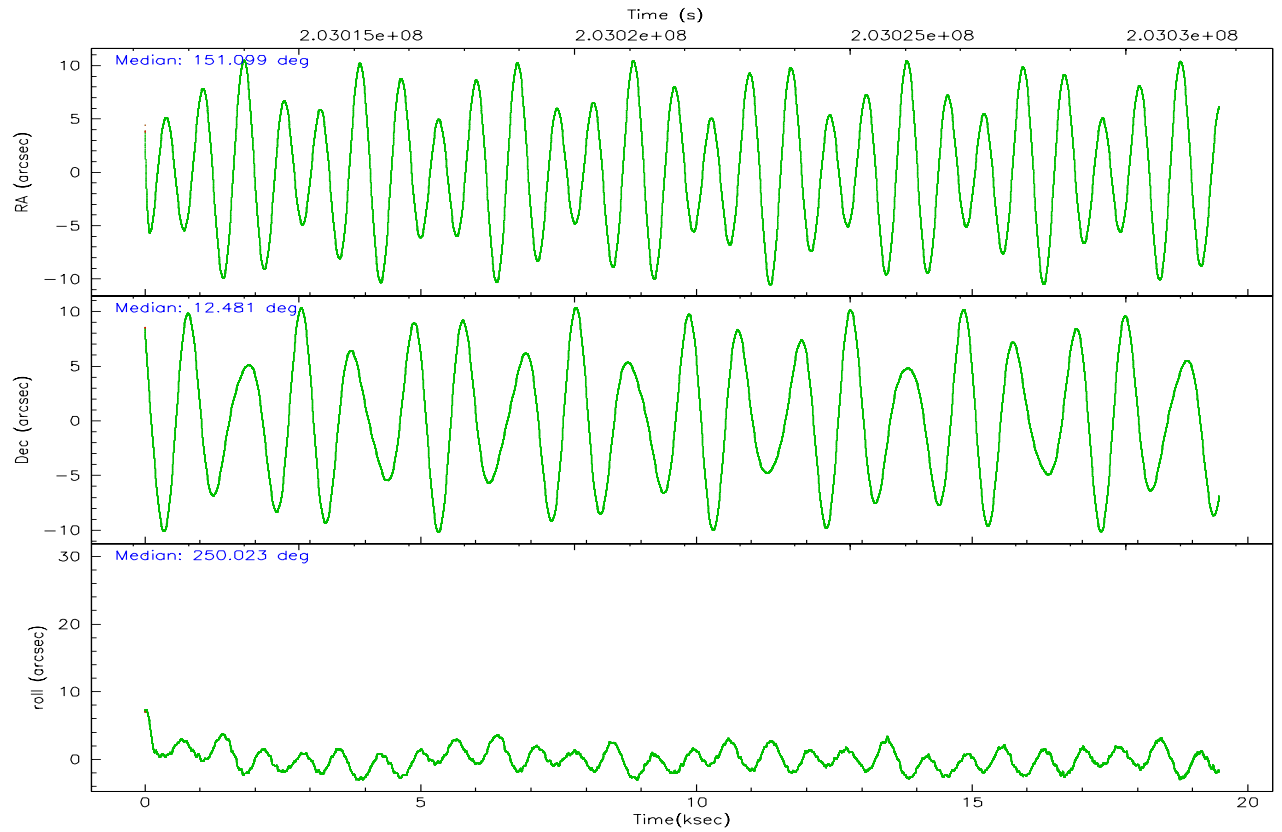
	<b>ccd 7</b>
grade 0 events	792
	2%
grade 1 events	27
	0%
grade 2 events	2575
	9%
grade 3 events	1222
	4%
grade 4 events	1113
	4%
grade 5 events	1990
	7%
grade 6 events	5834
	21%
grade 7 events	13164
	49%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	151.093561	151.0987876829933	Subarray start row	0	449
Pointing Dec	12.507933	12.48117530408974	Subarray row count	1024	128
Pointing Roll	249.875960	250.0314571003325	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.4
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	203012376.184000	203011320.68719			
Observation start date	2004-06-07T16:18:32	2004-06-07T16:02:00			
Observation end time	203031690.184000	203033382.27566			
Observation end date	2004-06-07T21:40:26	2004-06-07T22:09:42			
Read mode	TIMED	TIMED			

### 2.3 Aspect





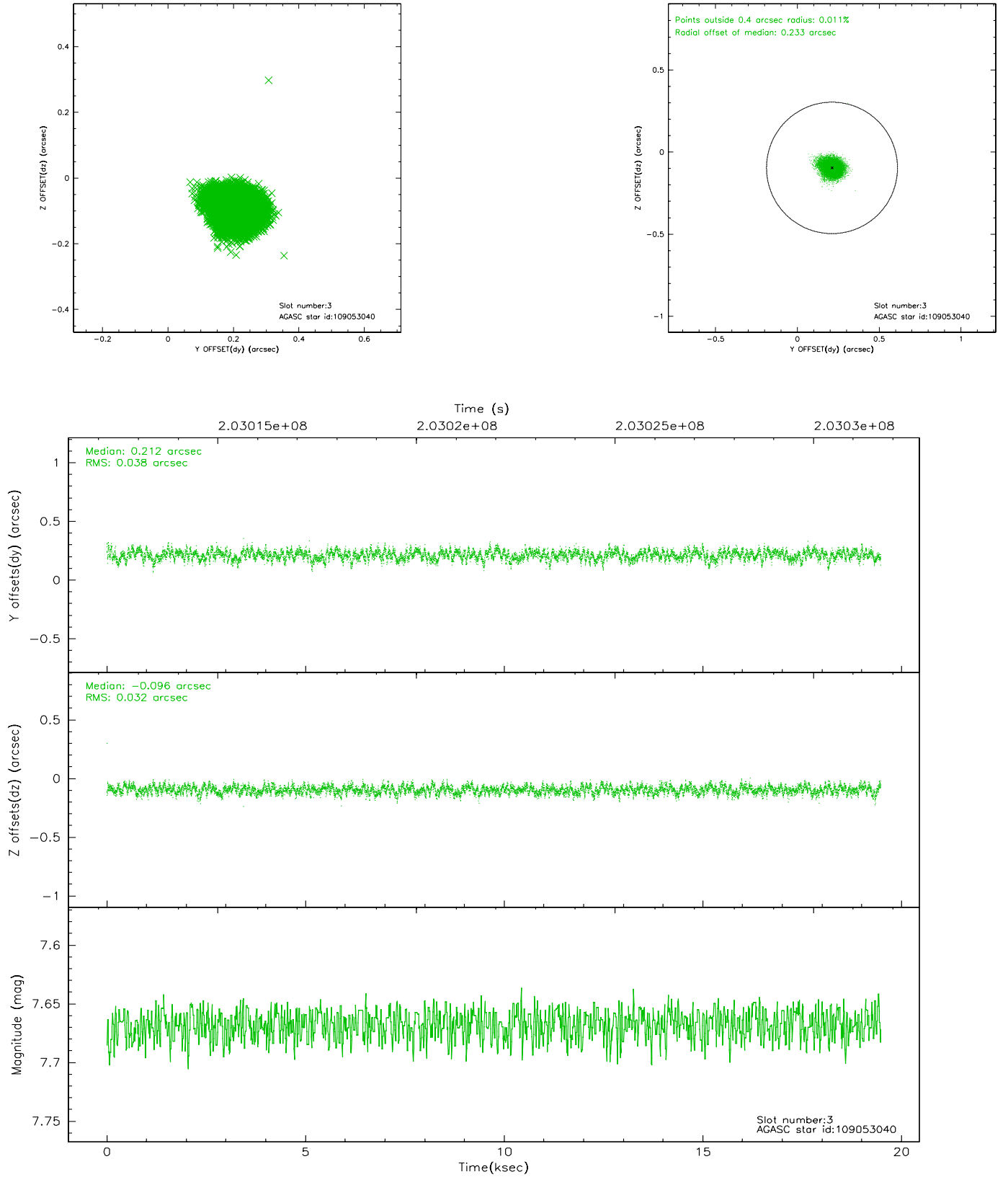
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4752	-0.036	-0.017	0.014	0.022	0.000000	0.000000	-759.35	-1730.31
1	FID	ACIS-S-4	7.20	4752	0.043	0.022	0.009	0.016	0.000000	0.000000	2153.90	178.03
2	FID	ACIS-S-5	7.23	4751	-0.038	0.004	0.012	0.019	0.000000	0.000000	-1811.96	171.89
3	GUIDE	109053040	7.67	9503	0.212	-0.096	0.052	0.084	150.482956	12.245797	1623.43	-1692.64
4	GUIDE	109449800	8.53	9498	-0.035	-0.090	0.076	0.125	150.528481	12.901076	-648.13	-2349.51
5	GUIDE	109580808	8.97	9500	-0.112	0.108	0.064	0.107	151.412623	12.962041	-1920.92	488.36
6	GUIDE	109583824	8.79	9497	0.028	-0.140	0.071	0.115	151.226198	12.847685	-1308.81	16.41
7	GUIDE	109584104	7.71	9502	-0.095	0.217	0.074	0.120	151.655187	12.782068	-1607.35	1511.62

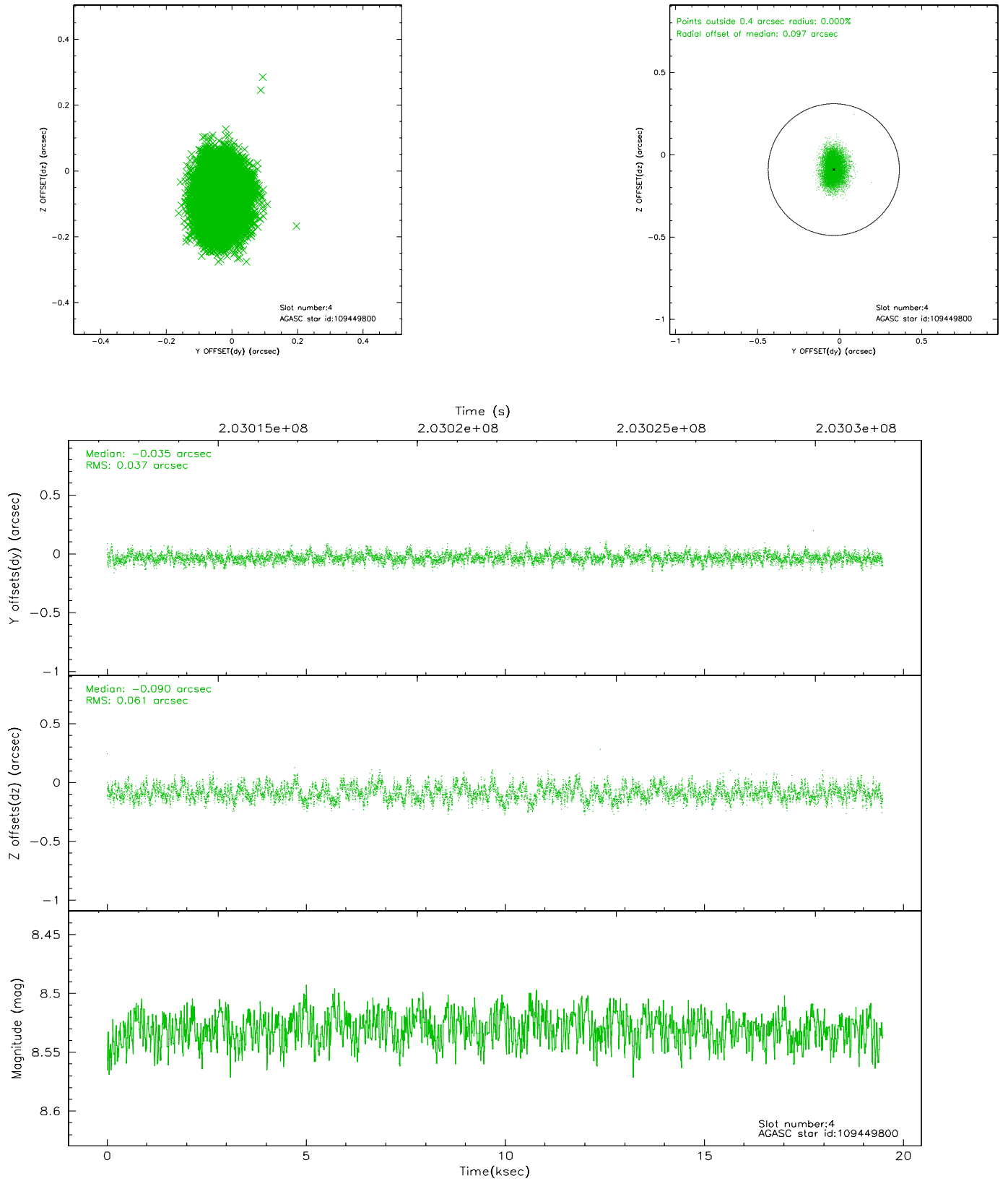


## 2.4 Star Slots

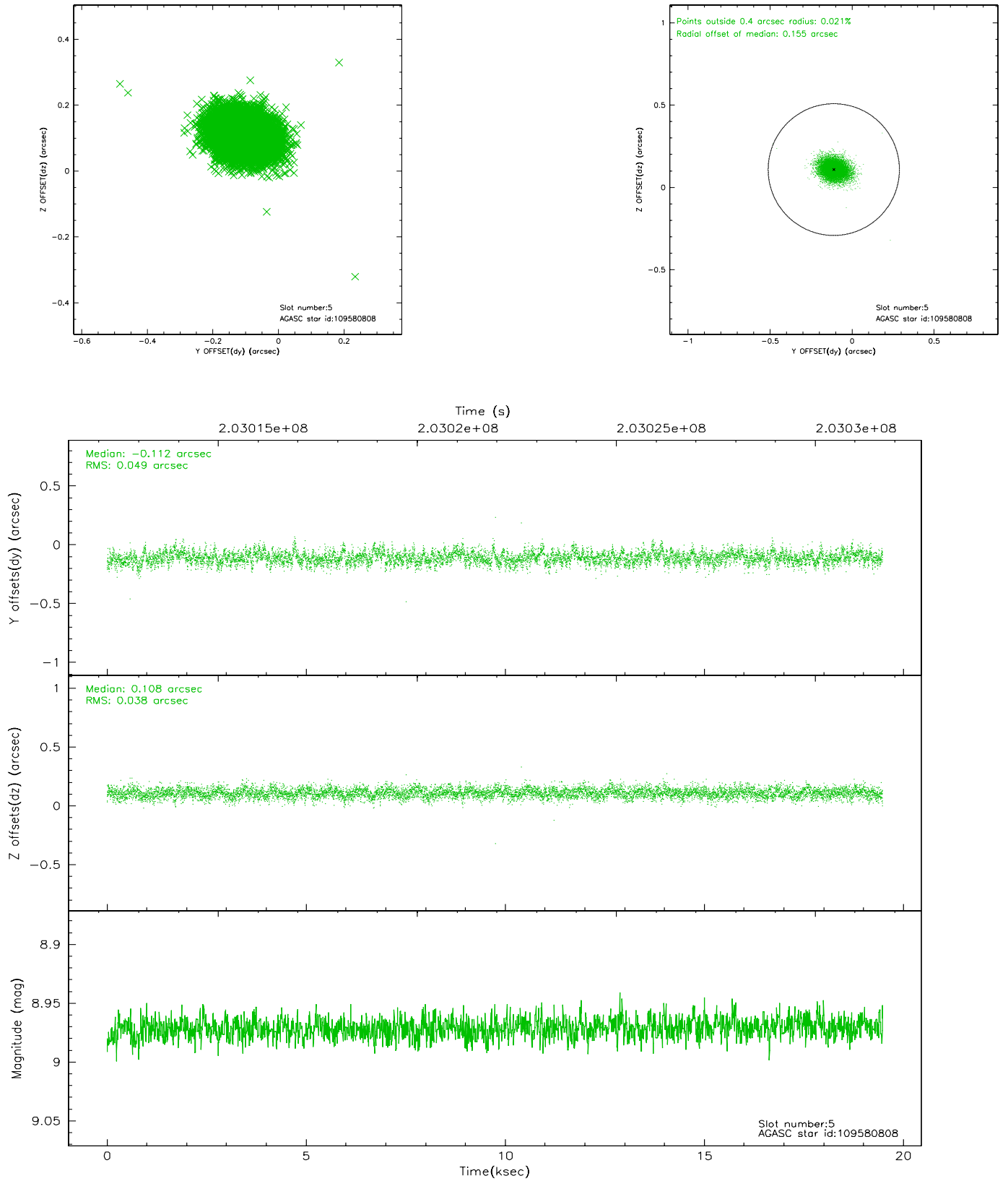
### 2.4.1 Slot 3



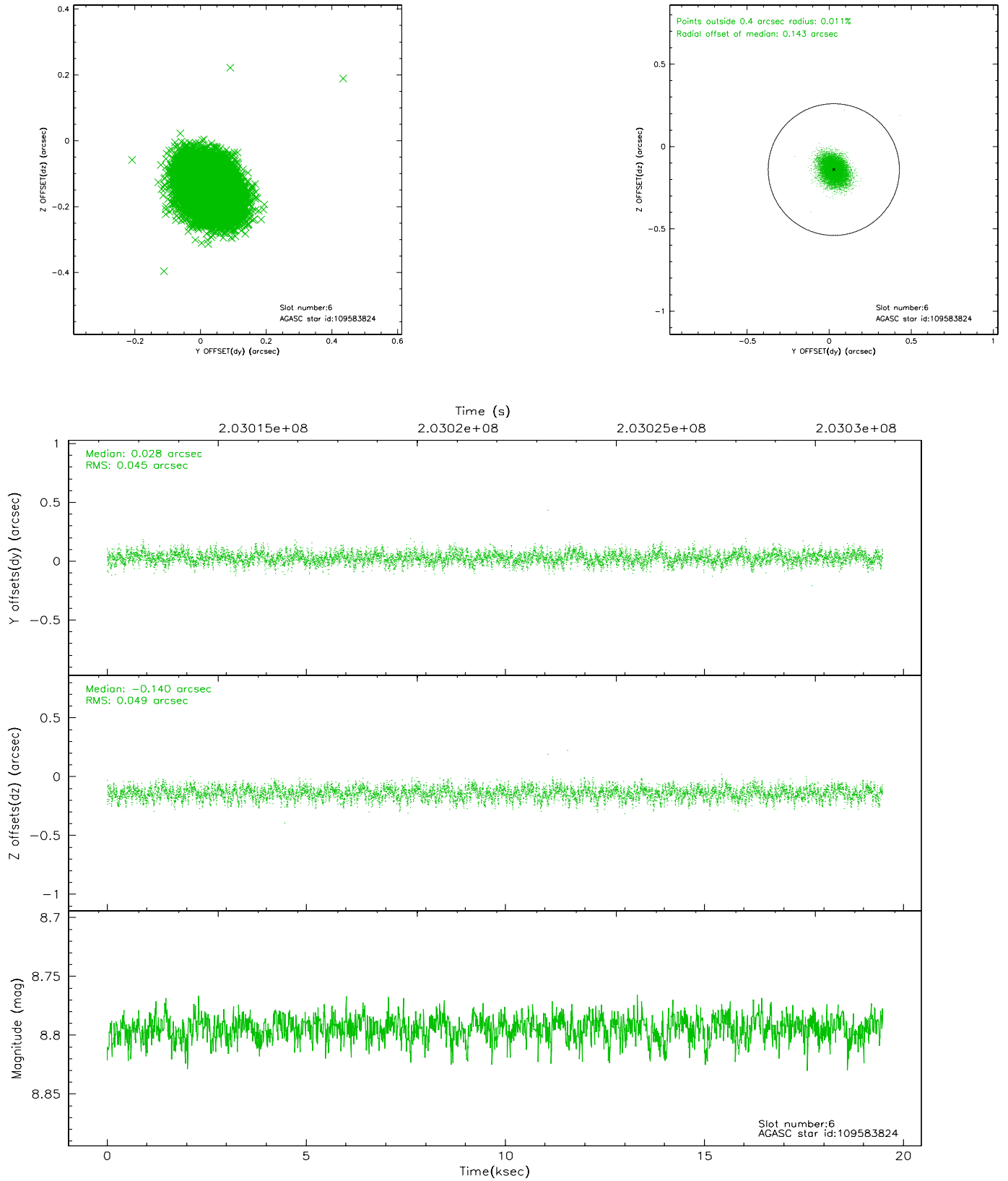
## 2.4.2 Slot 4



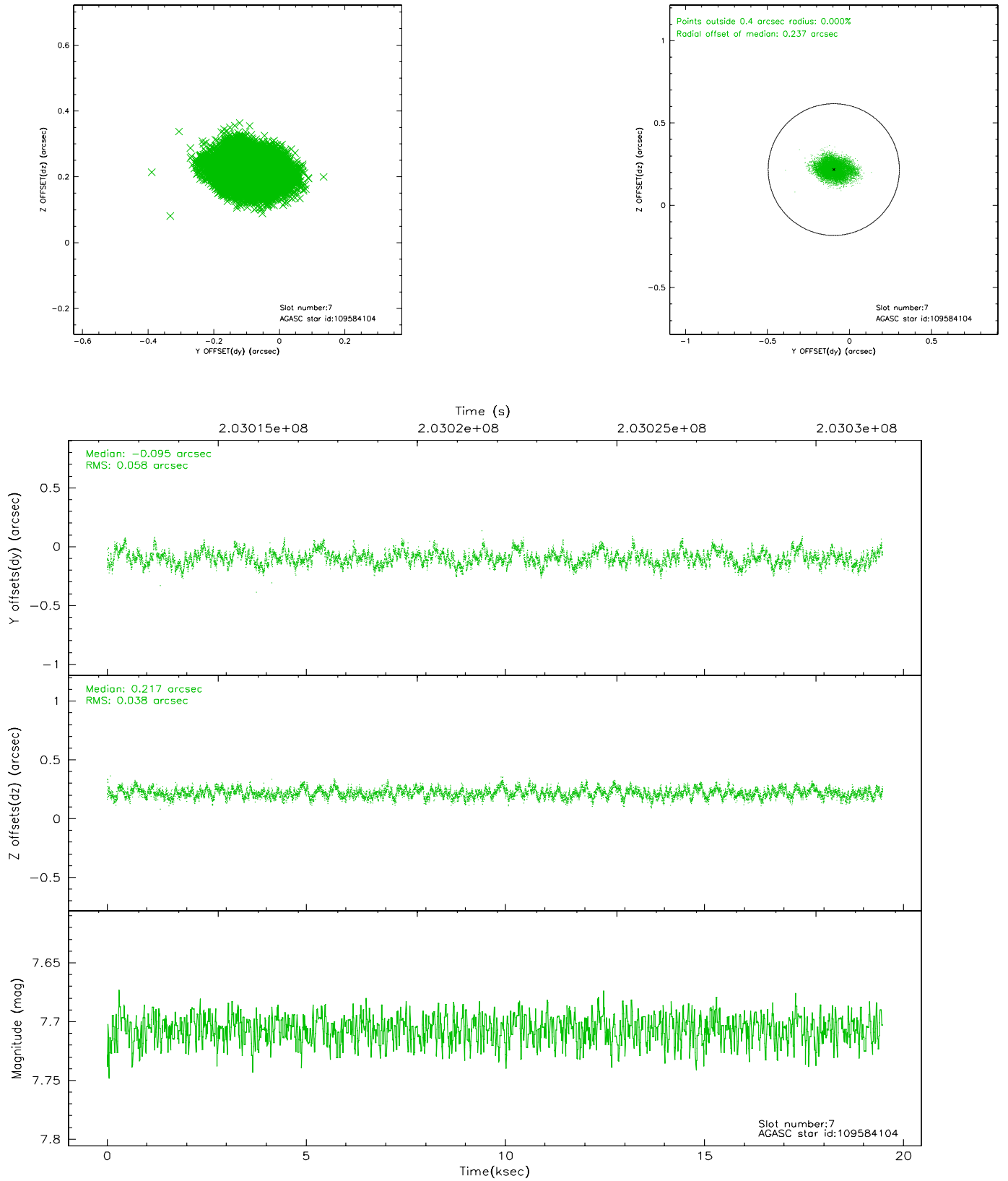
### 2.4.3 Slot 5



## 2.4.4 Slot 6

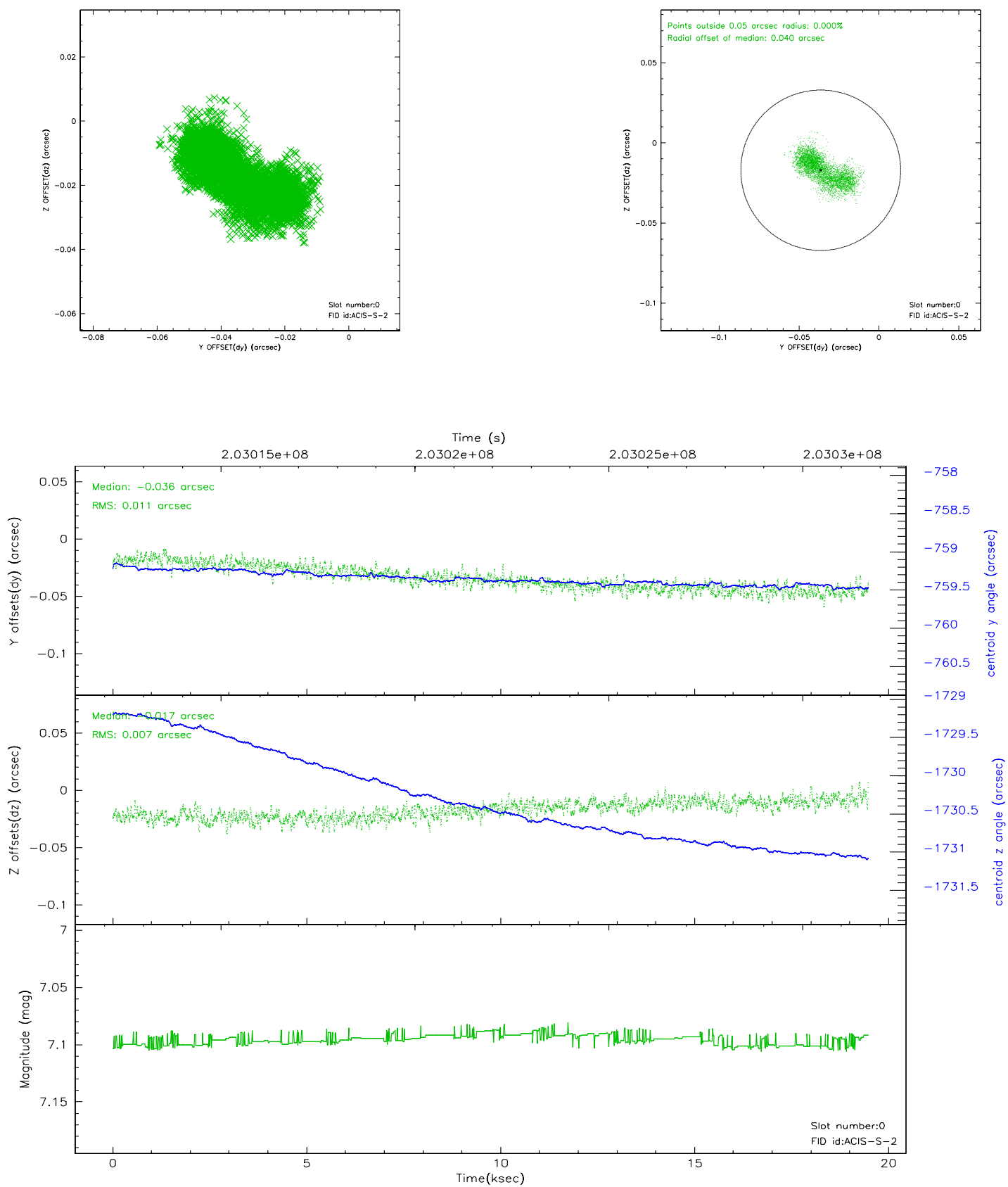


## 2.4.5 Slot 7

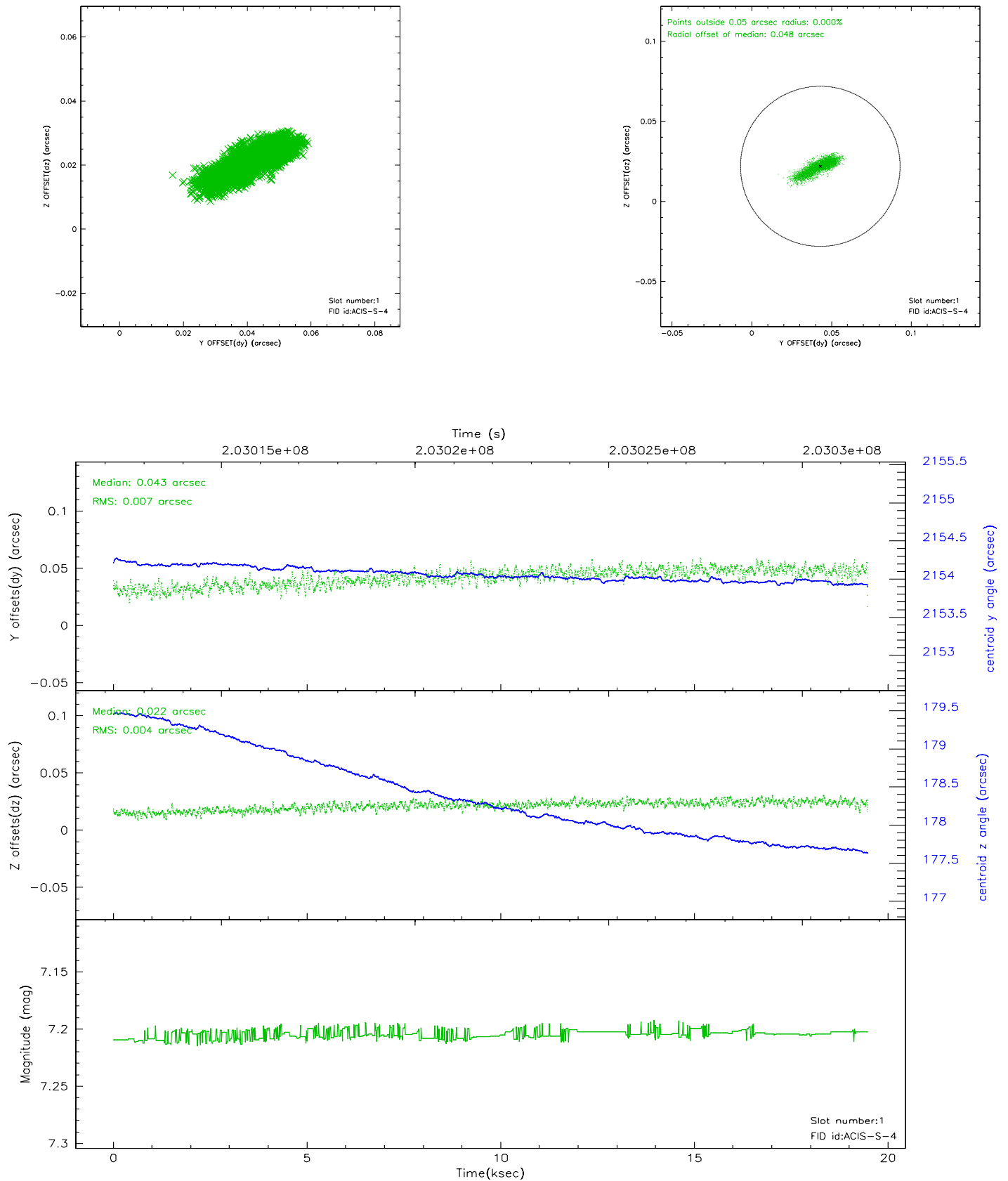


## 2.5 FID Slots

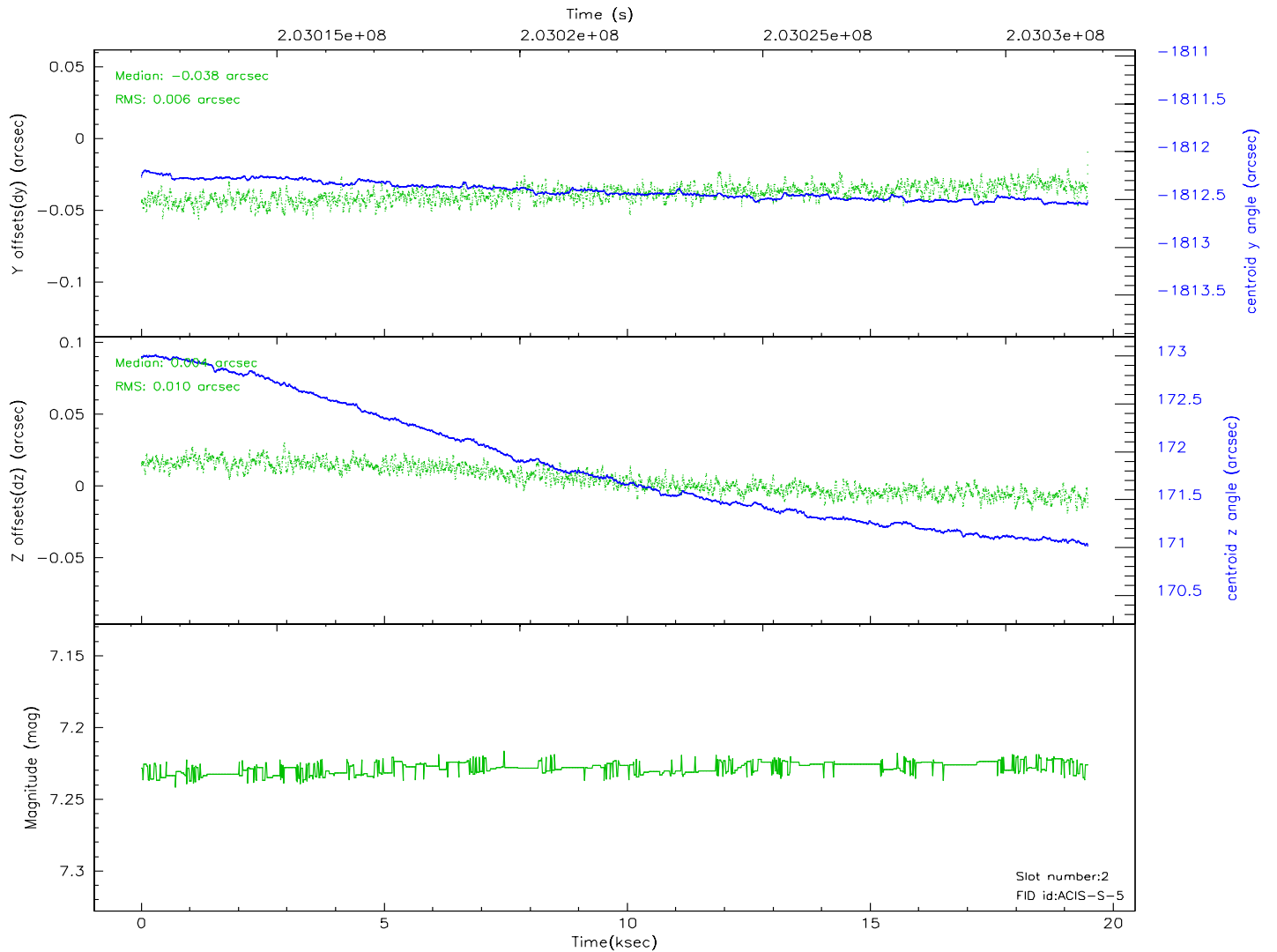
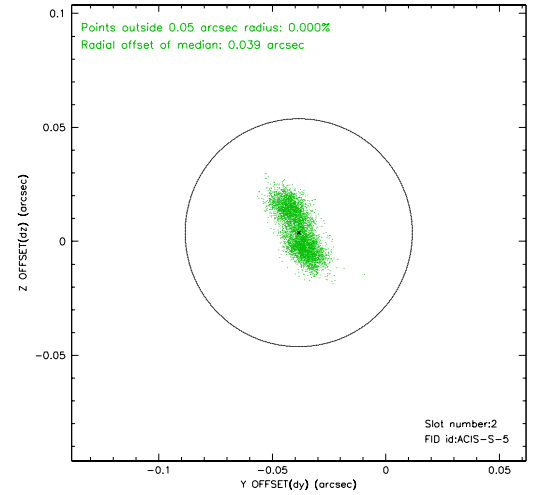
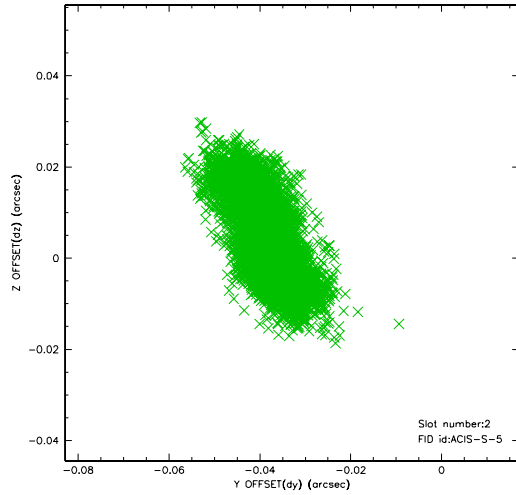
### 2.5.1 Slot 0



## 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)	2006.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.478

### A.2 Comments