

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 951 - L2 Version 001  
Chandra X-Ray Center

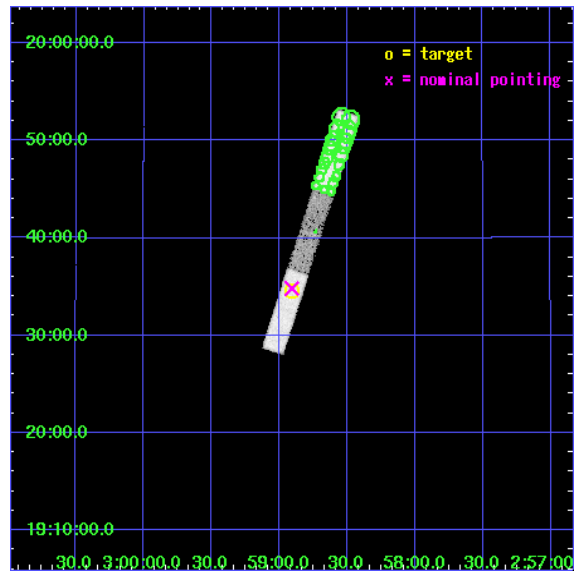
L2 Processing Date : Jun 6 2007

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# 1 Front

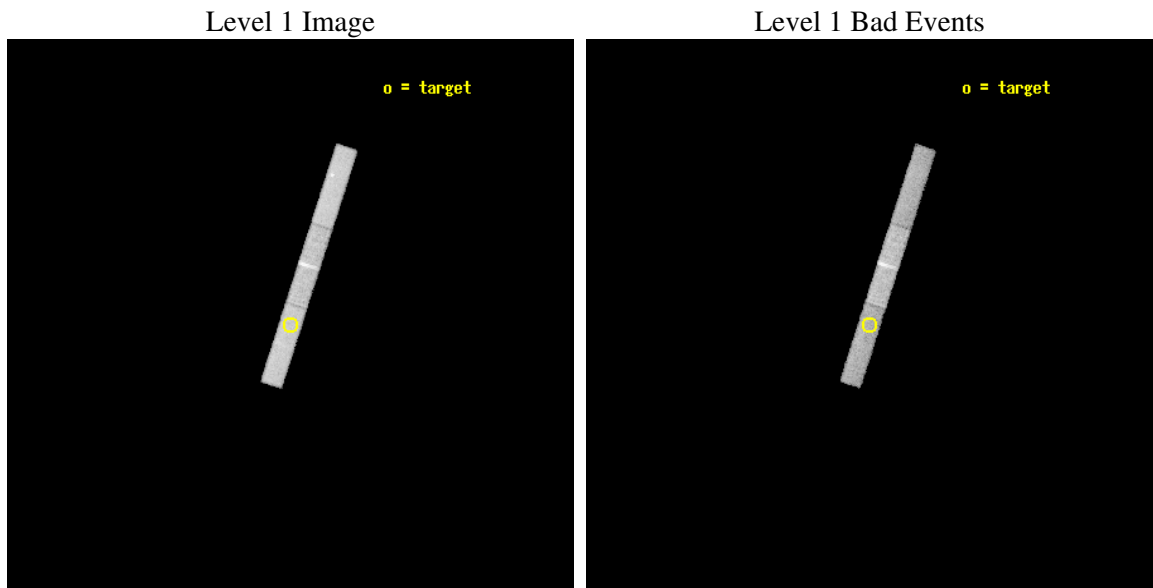
seq_num	900023
obs_id	951
title	ECLIPSES AND HALOS IN THE X-RAY PULSAR 1H0253+193
observer	Dr. John Nousek
object	1H 0253+193
dtcycle	0
cycle	P
ra_targ	44.726667
dec_targ	19.576083
ra_nom	44.727070354954
dec_nom	19.580687579256
roll_nom	107.89581390459
revision	2
ontime	22652.100150019
livetime	21664.212079207
ontime5	22652.100150019
ontime6	22652.100150019
ontime7	22652.100150019
l2events	52921



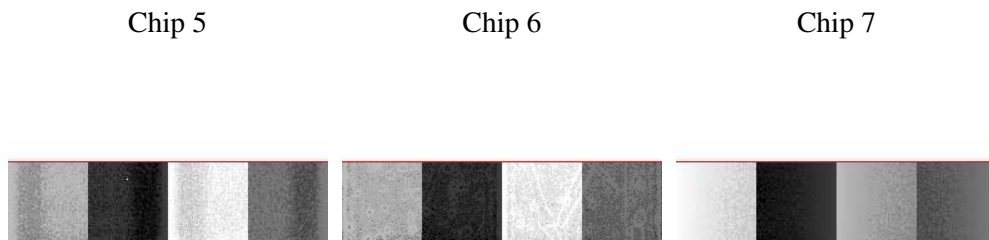
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-06T21:26:25
revision	2

sched_exp_time	22000.000000
ontime	22652.100150019
ontime5	22652.100150019
ontime6	22652.100150019
ontime7	22652.100150019
l1events	143772

### 2.1.4 Events

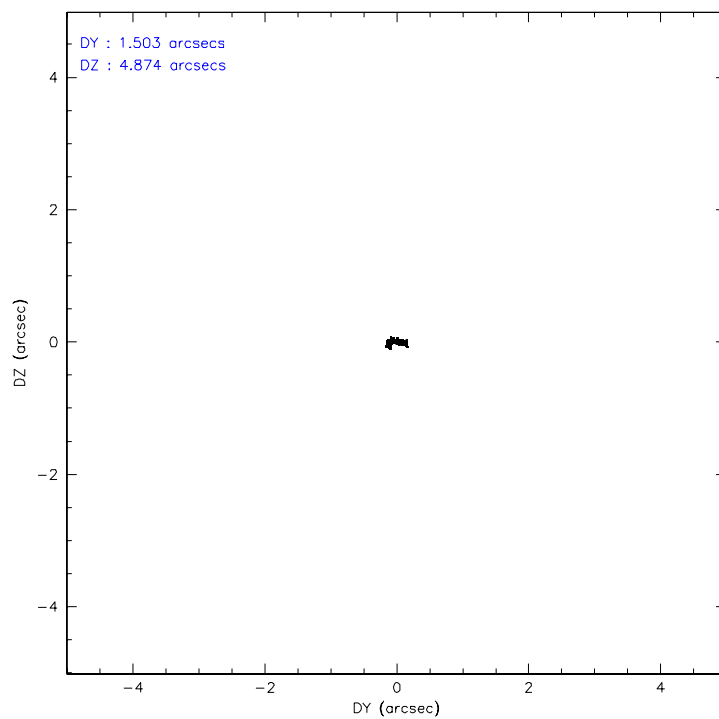
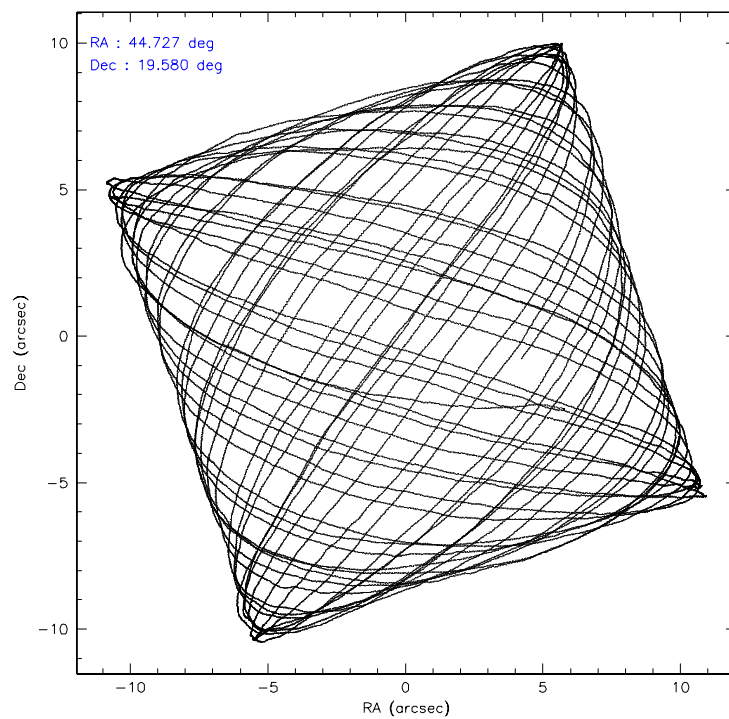
	<b>ccd 5</b>	<b>ccd 6</b>	<b>ccd 7</b>
level 1 events	50757	44400	48615
rejected events	24454	39579	24188
rejected %	48%	89%	49%

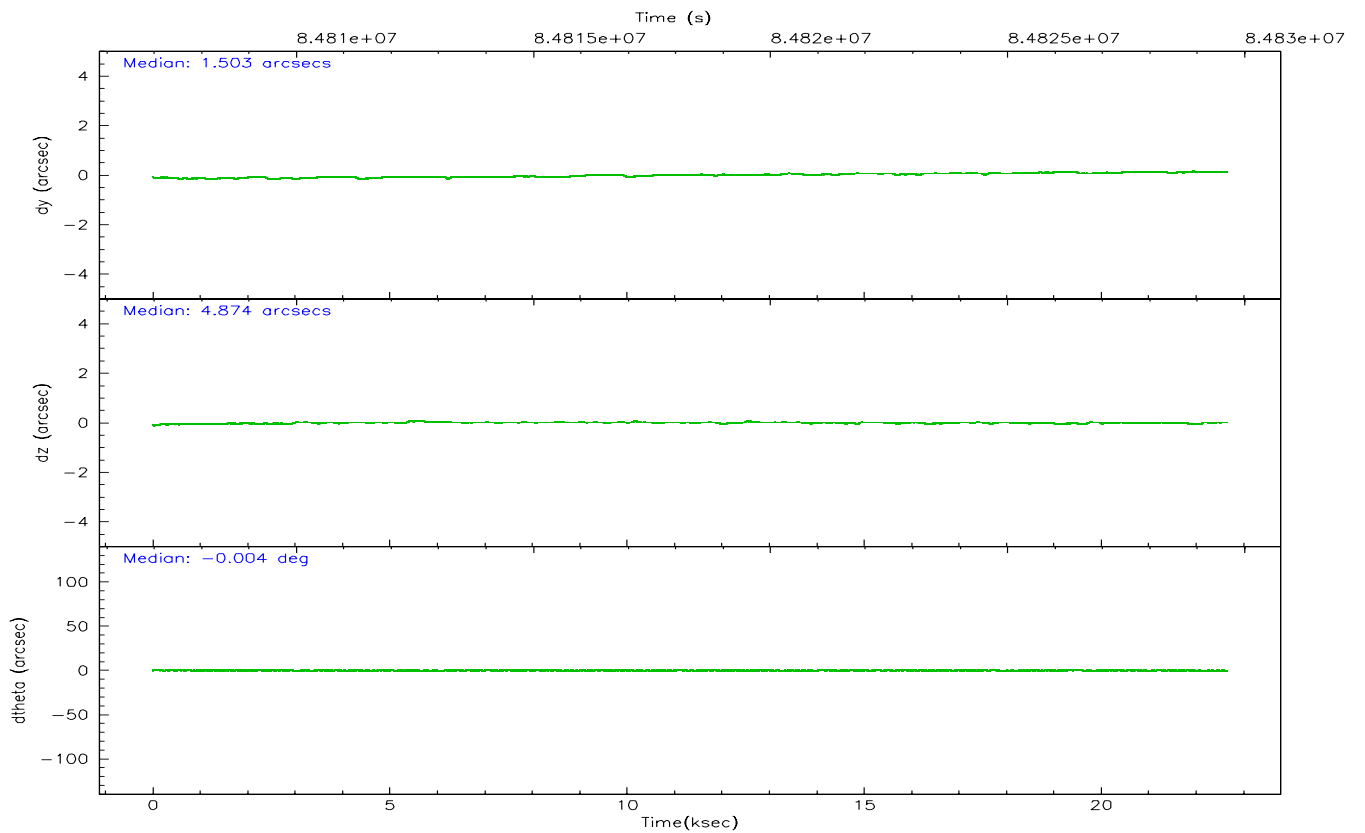
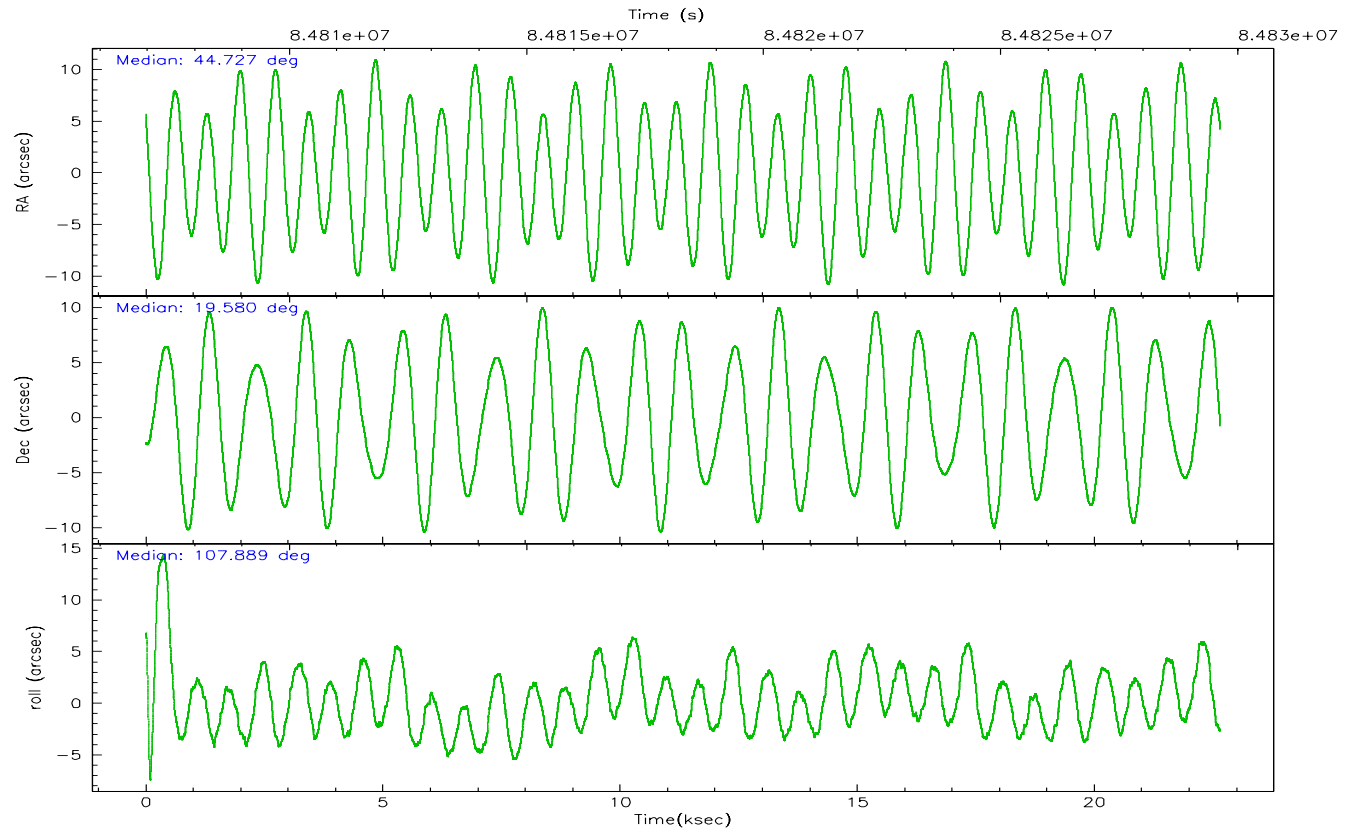
	<b>ccd 5</b>	<b>ccd 6</b>	<b>ccd 7</b>
grade 0 events	3436	1750	2743
	6%	3%	5%
grade 1 events	62	9	34
	0%	0%	0%
grade 2 events	7100	754	4847
	13%	1%	9%
grade 3 events	1924	741	2618
	3%	1%	5%
grade 4 events	1798	755	2484
	3%	1%	5%
grade 5 events	3844	1325	4002
	7%	2%	8%
grade 6 events	12189	838	11809
	24%	1%	24%
grade 7 events	20404	38228	20078
	40%	86%	41%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-567	ACIS-567	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	44.748758	44.72707035495365	Subarray requested	1/4	1/4
Pointing Dec	19.562440	19.58068757925625	Subarray start row	385	385
Pointing Roll	107.731916	107.8958139045887	Subarray row count	256	256
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	1.000000	0.9
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	84807632.184000	84806439.576113			
Observation start date	2000-09-08T13:39:28	2000-09-08T13:20:39			
Observation end time	84829632.184000	84830142.189503			
Observation end date	2000-09-08T19:46:08	2000-09-08T19:55:42			
Read mode	TIMED	TIMED			

## 2.3 Aspect





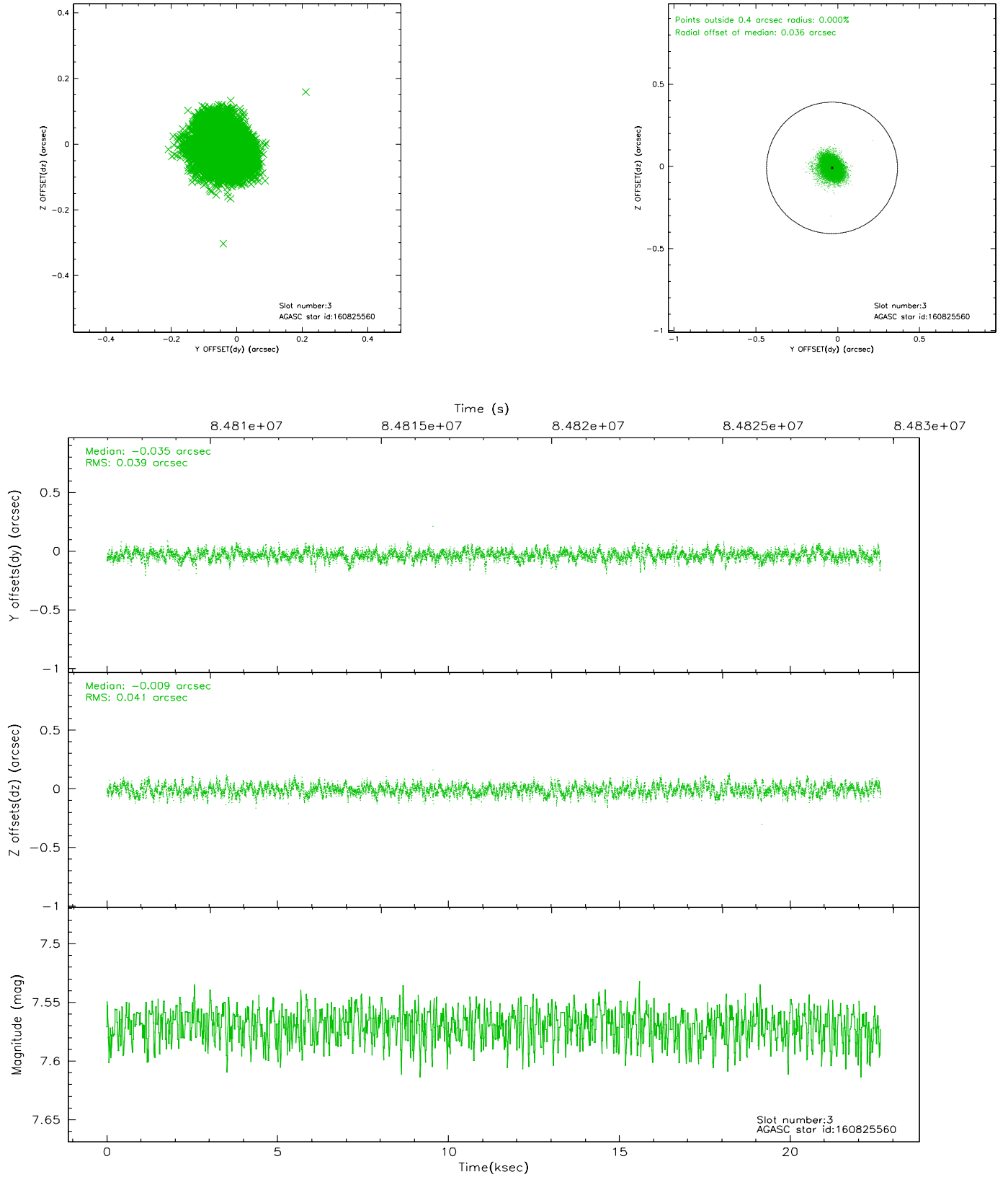
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	5524	-0.023	0.022	0.007	0.011	0.000000	0.000000	-754.11	-1725.96
1	FID	ACIS-S-4	7.21	5524	-0.055	0.005	0.005	0.008	0.000000	0.000000	2159.05	182.37
2	FID	ACIS-S-5	7.23	5525	0.048	-0.018	0.006	0.011	0.000000	0.000000	-1806.71	176.16
3	GUIDE	160825560	7.57	11049	-0.035	-0.009	0.060	0.098	44.793323	19.989840	1420.89	-611.15
4	GUIDE	160826272	8.56	11049	-0.070	-0.017	0.051	0.082	44.763218	19.727857	553.62	-227.09
5	GUIDE	160831512	8.85	11050	0.062	-0.185	0.073	0.119	44.599048	19.229287	-985.97	850.56
6	GUIDE	160964432	8.99	11043	0.062	0.167	0.076	0.124	45.514815	19.373768	-1432.39	-2271.94
7	GUIDE	161225384	9.56	11012	-0.020	0.036	0.101	0.162	44.862508	20.066818	1613.69	-918.46

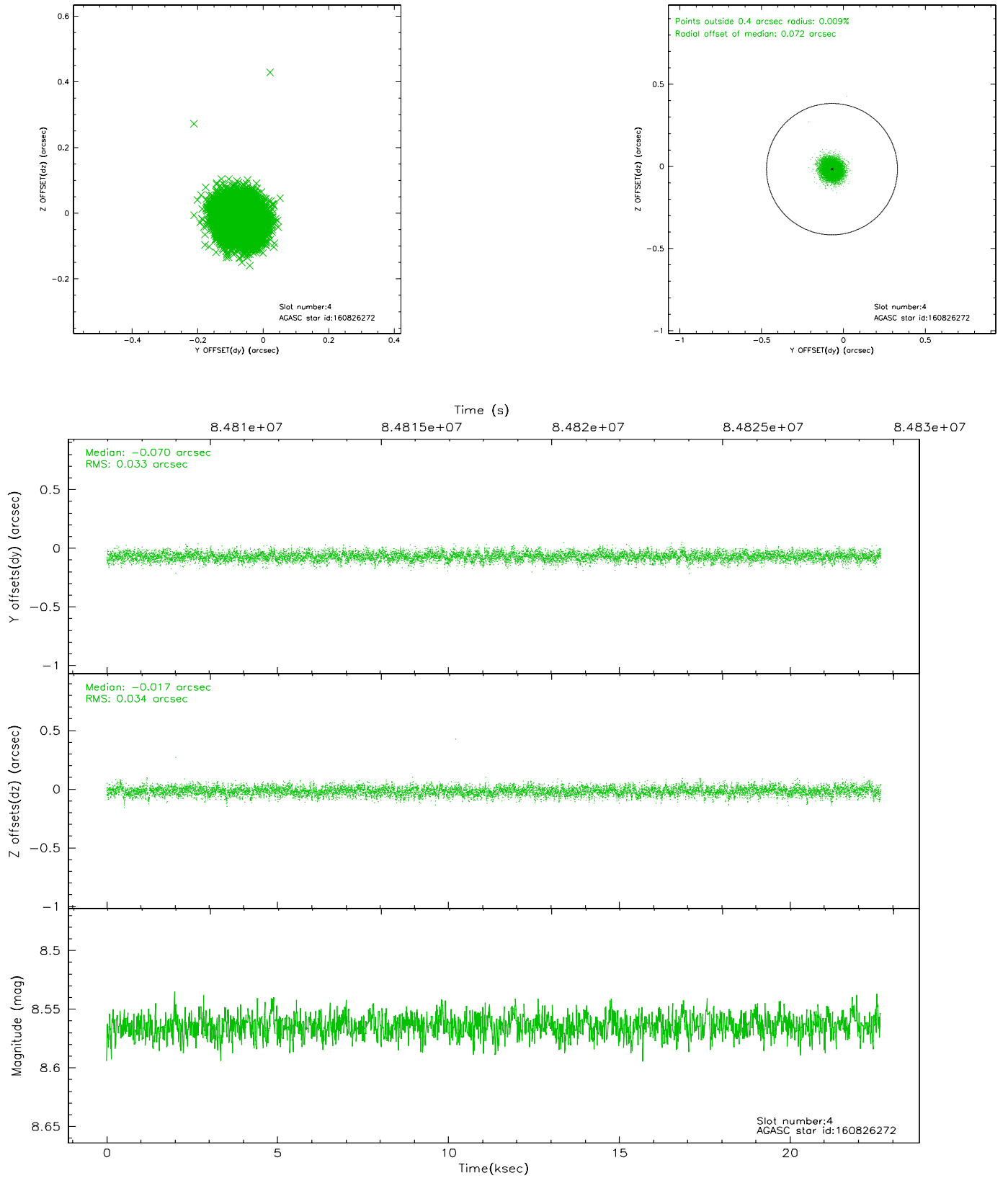


## 2.4 Star Slots

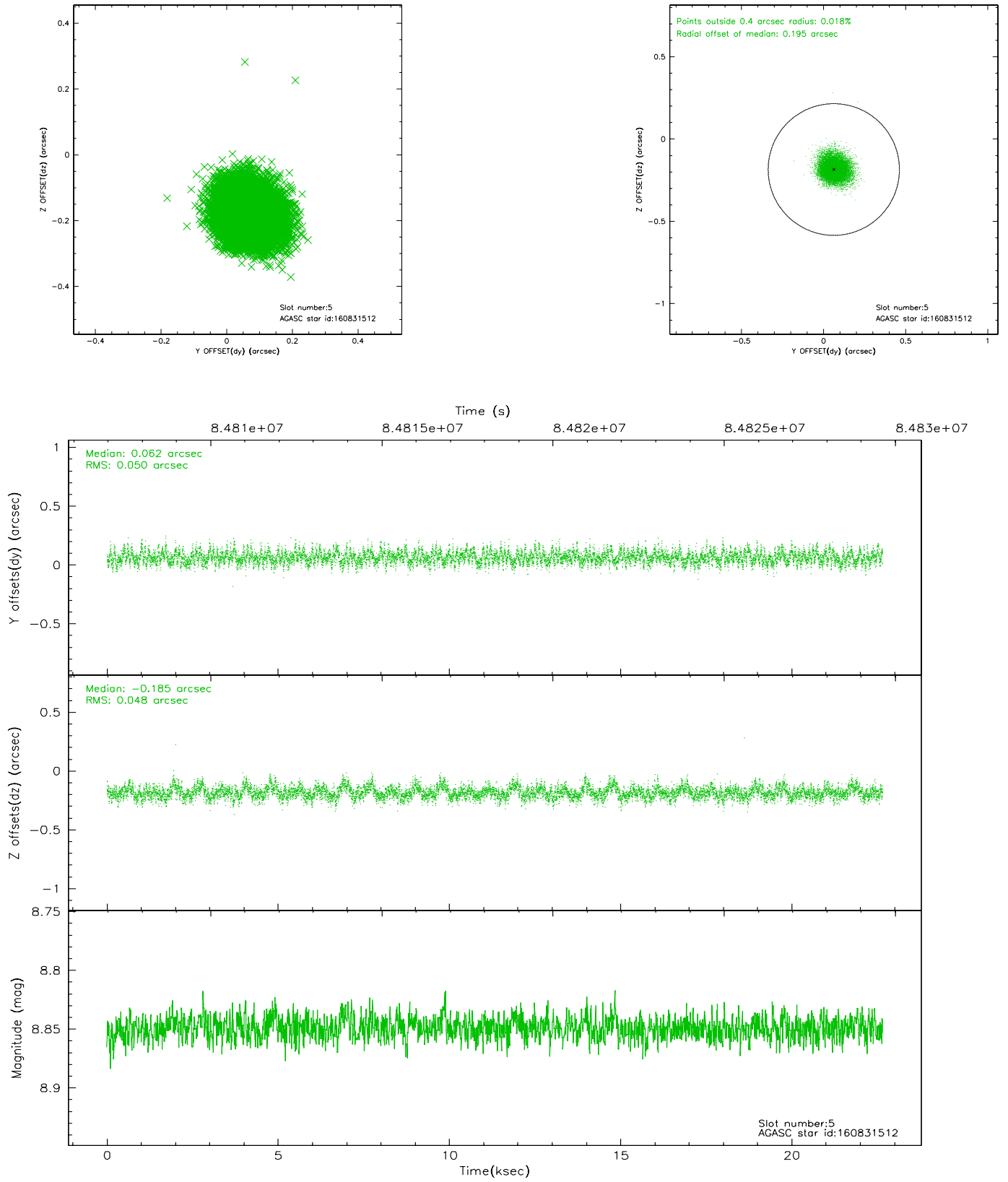
### 2.4.1 Slot 3



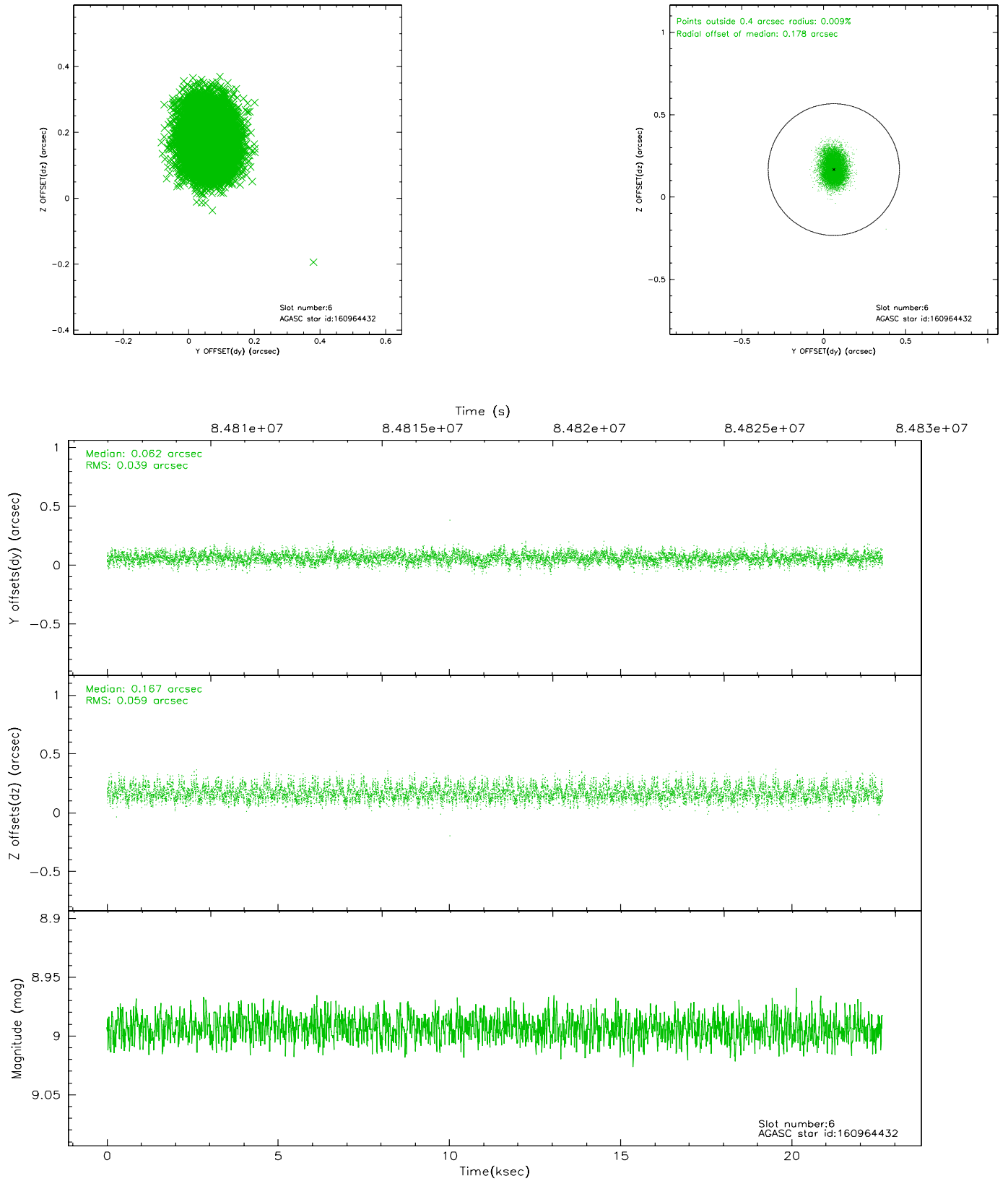
## 2.4.2 Slot 4



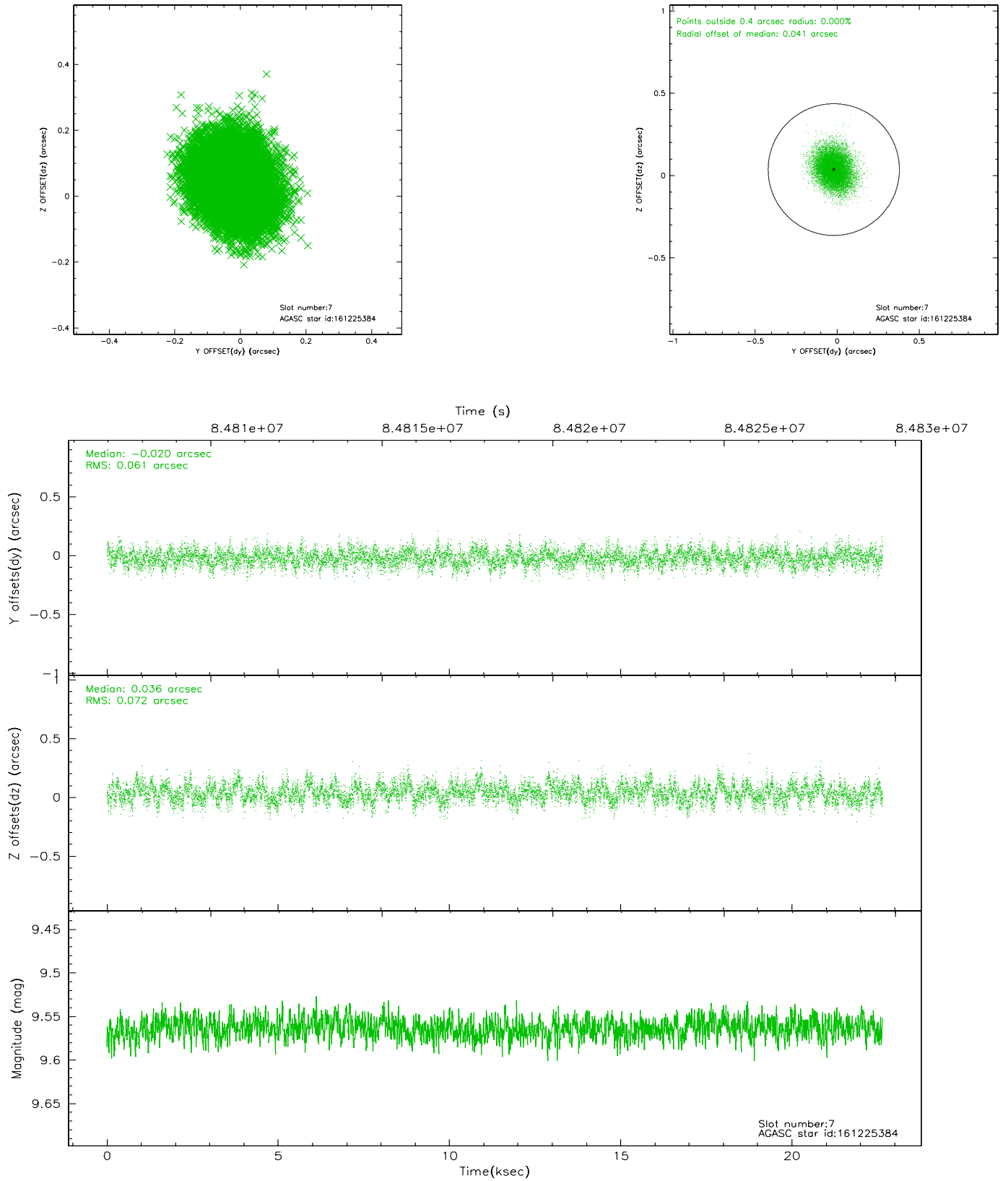
### 2.4.3 Slot 5



## 2.4.4 Slot 6

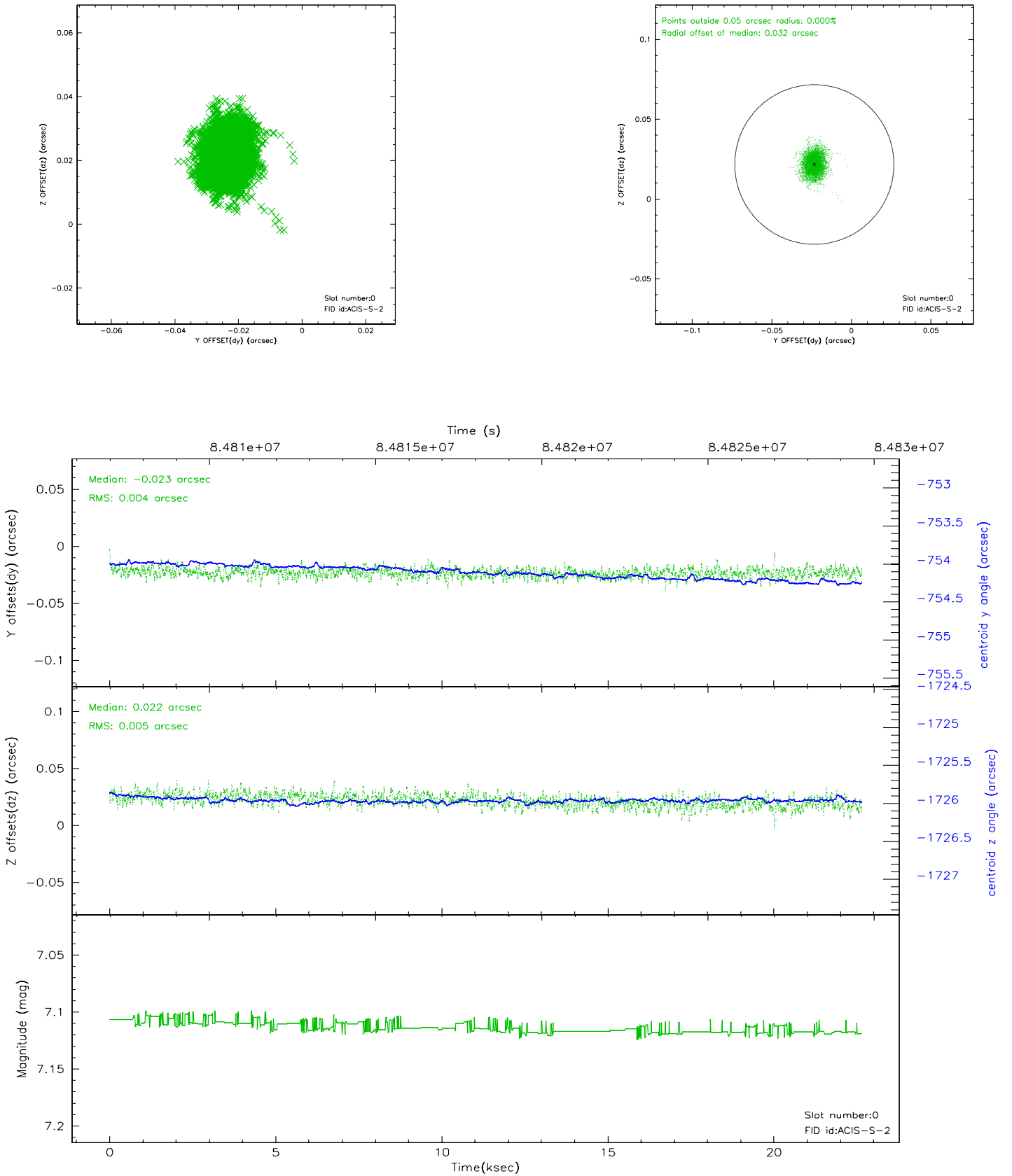


## 2.4.5 Slot 7

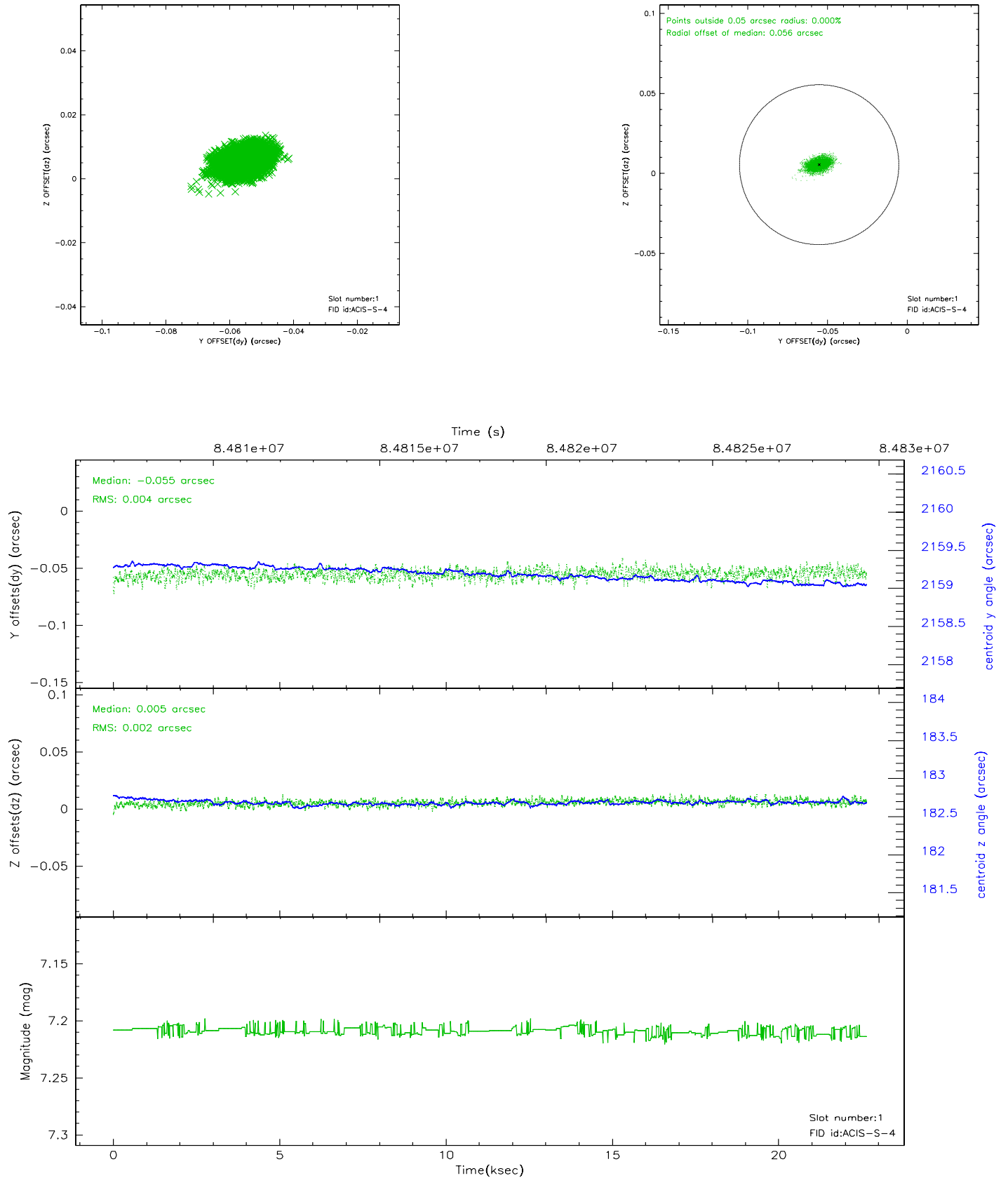


## 2.5 FID Slots

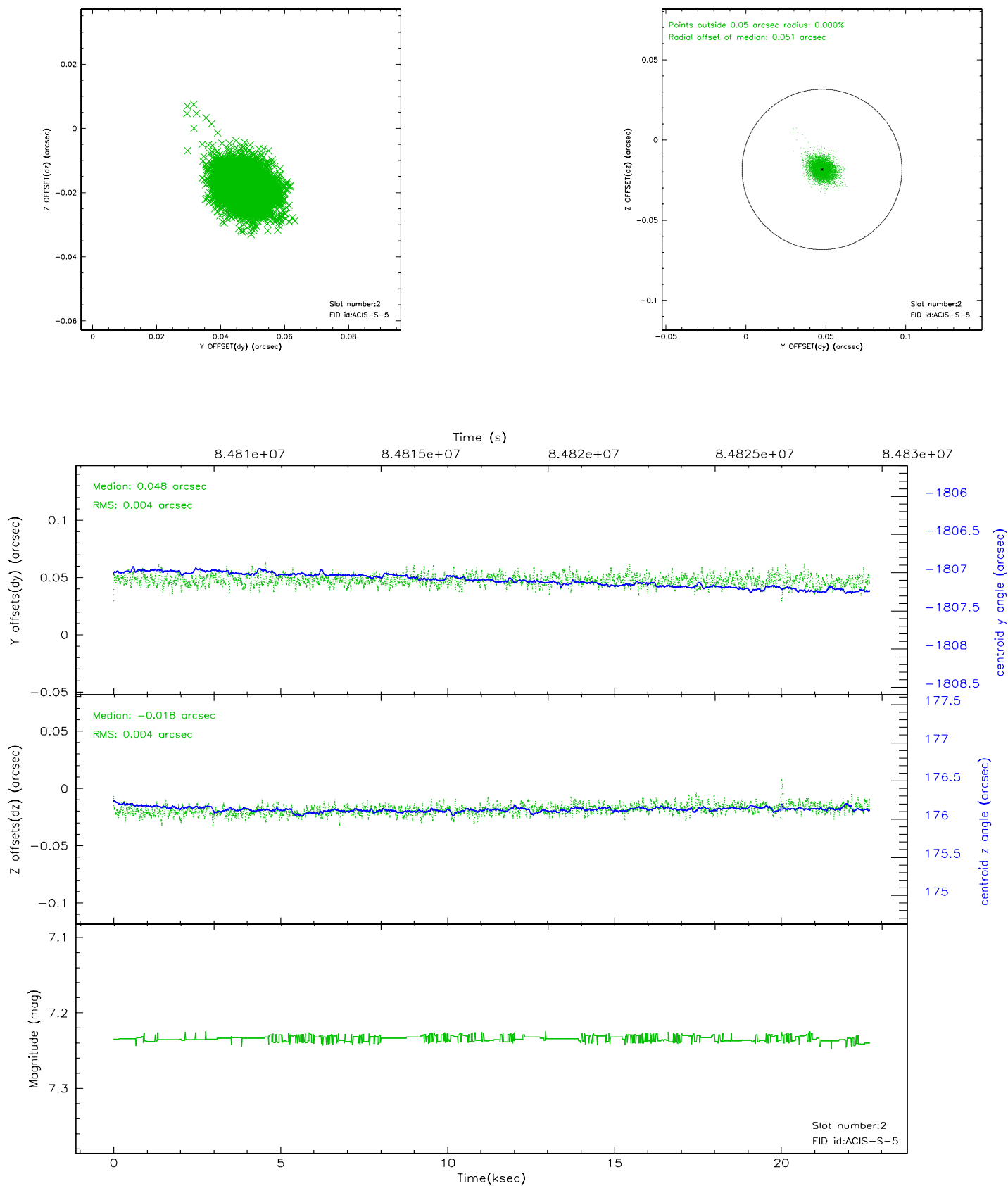
### 2.5.1 Slot 0



## 2.5.2 Slot 1

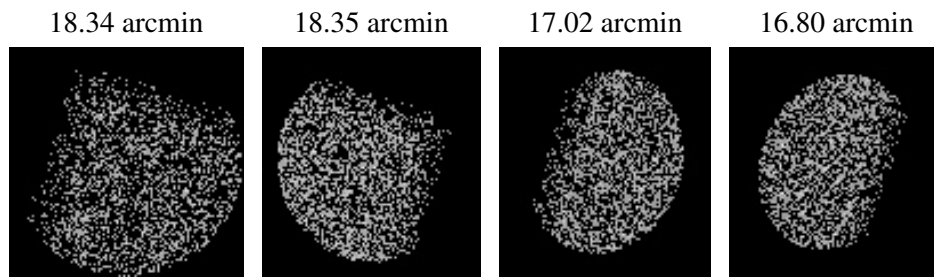


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.652

### A.2 Comments