

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4659 - L2 Version 001  
Chandra X-Ray Center

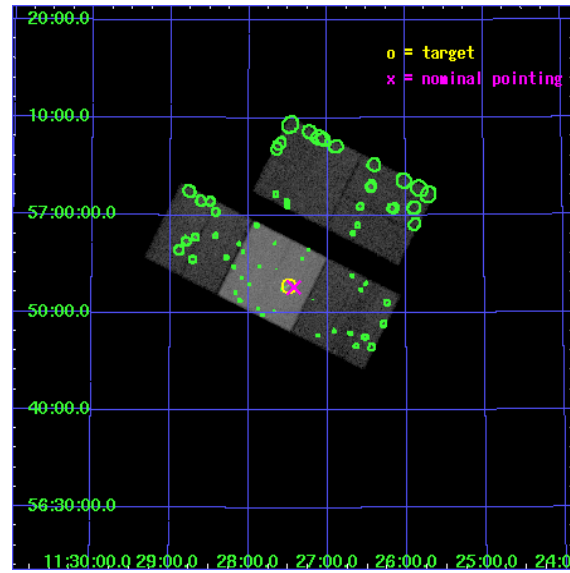
L2 Processing Date : May 25 2006

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# 1 Front

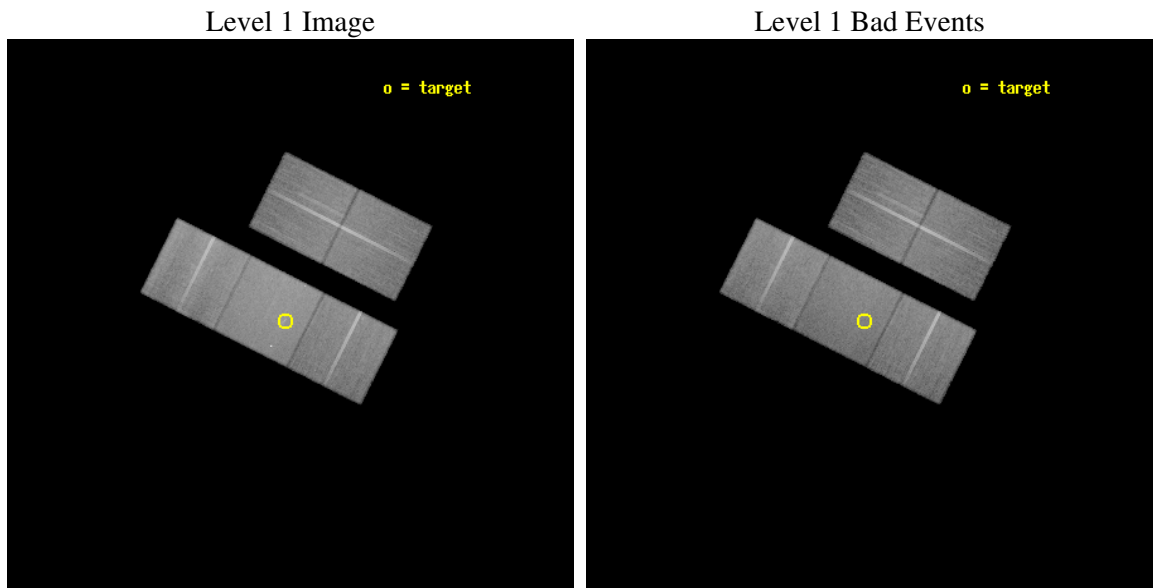
seq_num	500478
obs_id	4659
title	In-depth Study of the Nearest Collapsars
observer	Prof. Shrinivas Kulkarni
object	SN2004C
dtcycle	0
cycle	P
ra_targ	171.87375
dec_targ	56.880028
ra_nom	171.85681837545
dec_nom	56.877273517724
roll_nom	206.71350274201
revision	2
ontime	40172.899922758
livetime	39648.011410409
ontime2	40172.899922758
ontime3	40172.899922758
ontime6	40172.899922758
ontime7	40172.899922758
ontime8	40166.61796239
l2events	258458



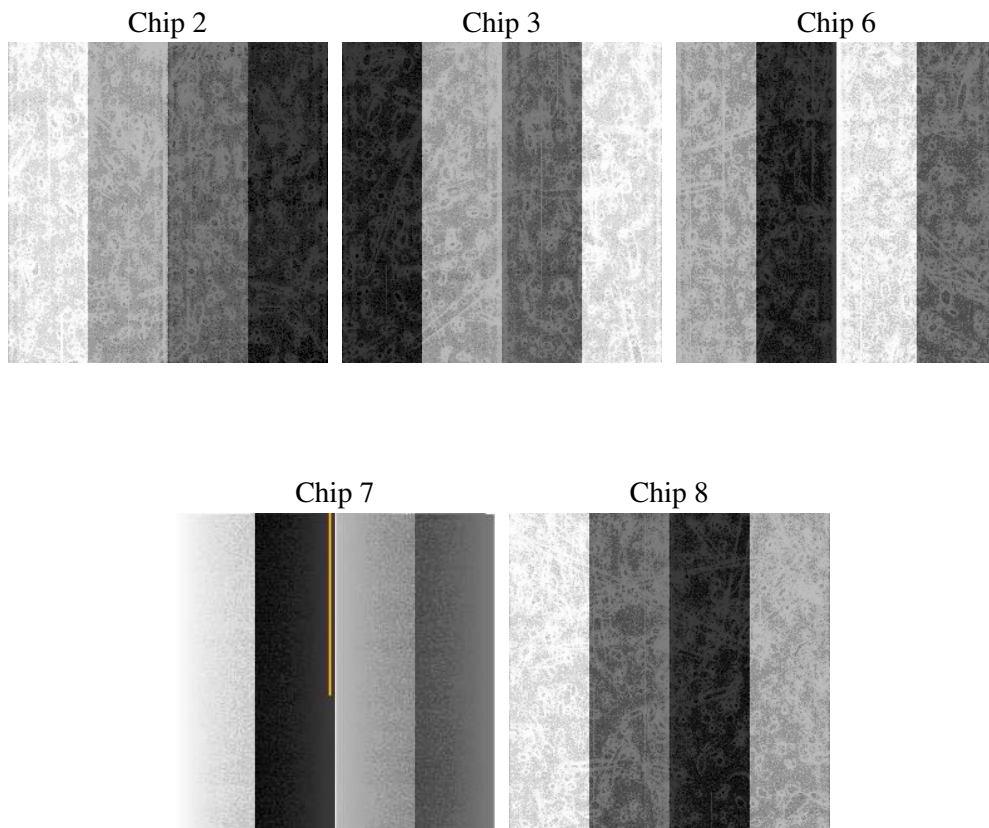
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-25T07:39:03
revision	2

sched_exp_time	40000.000000
ontime	40644.601107687
ontime2	40553.510927796
ontime3	40559.79310748
ontime6	40550.369907707
ontime7	40644.601107687
ontime8	40550.370027333
l1events	1564387

### 2.1.4 Events

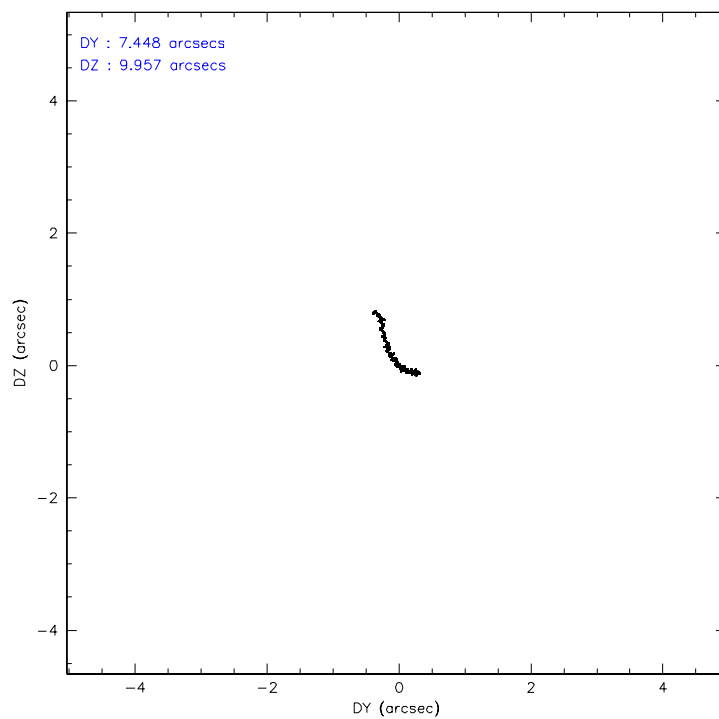
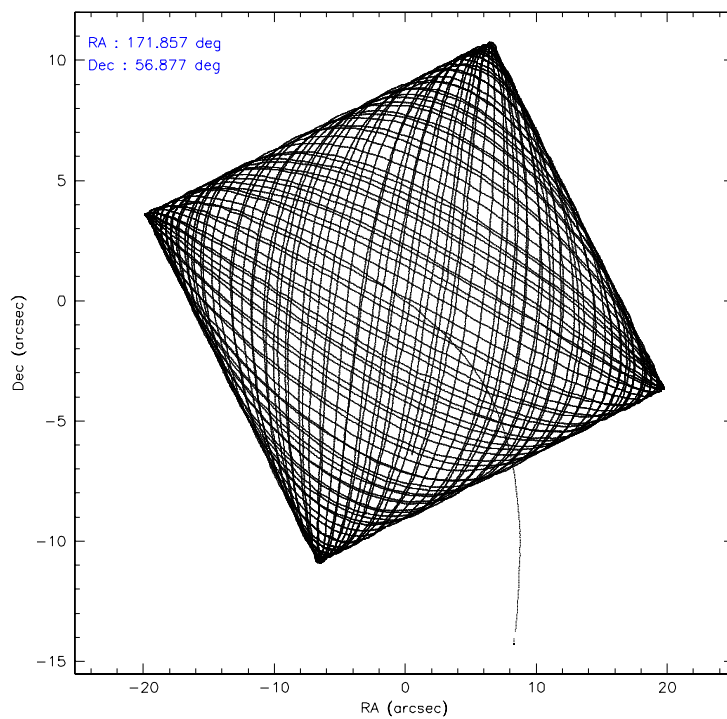
	<b>ccd 2</b>	<b>ccd 3</b>	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
level 1 events	267214	275582	284345	380124	357122
rejected events	234991	244149	251348	235397	283371
rejected %	87%	88%	88%	61%	79%

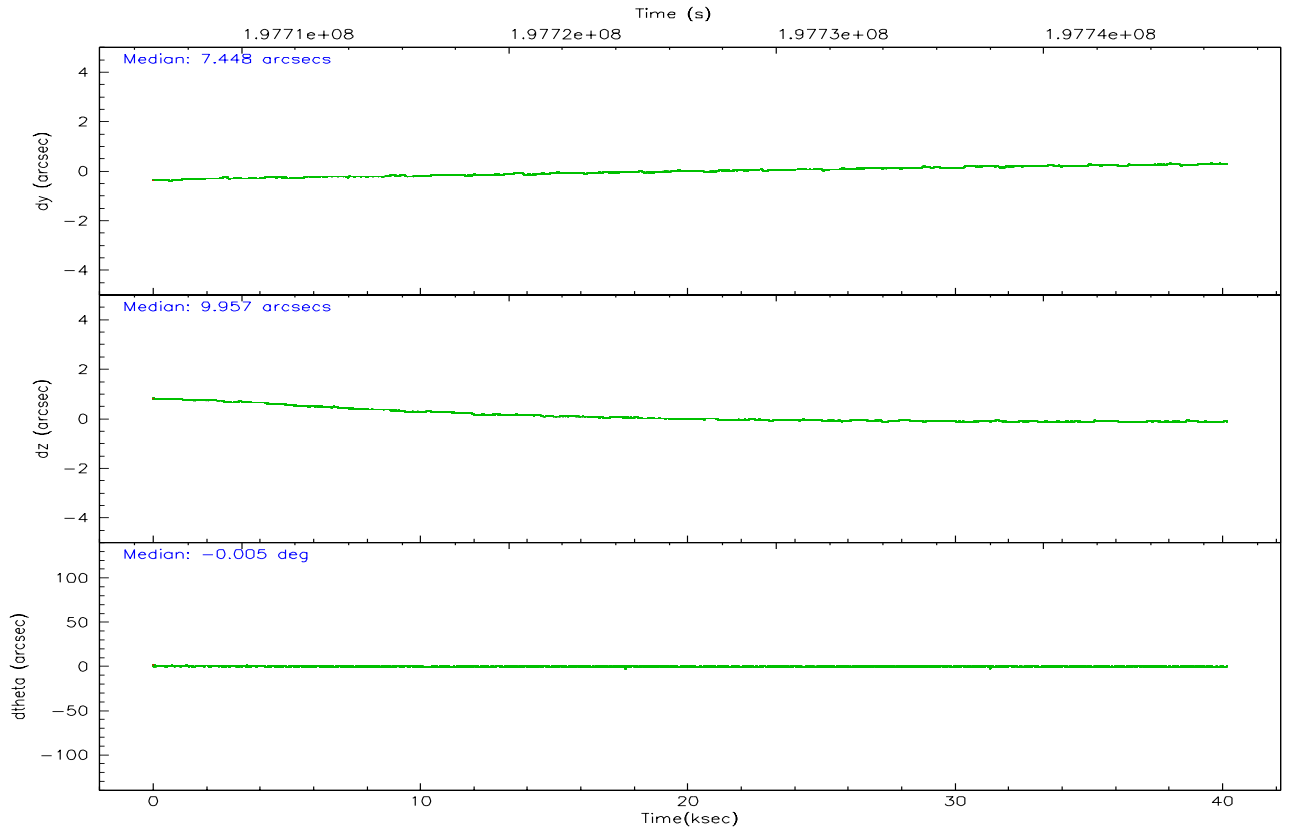
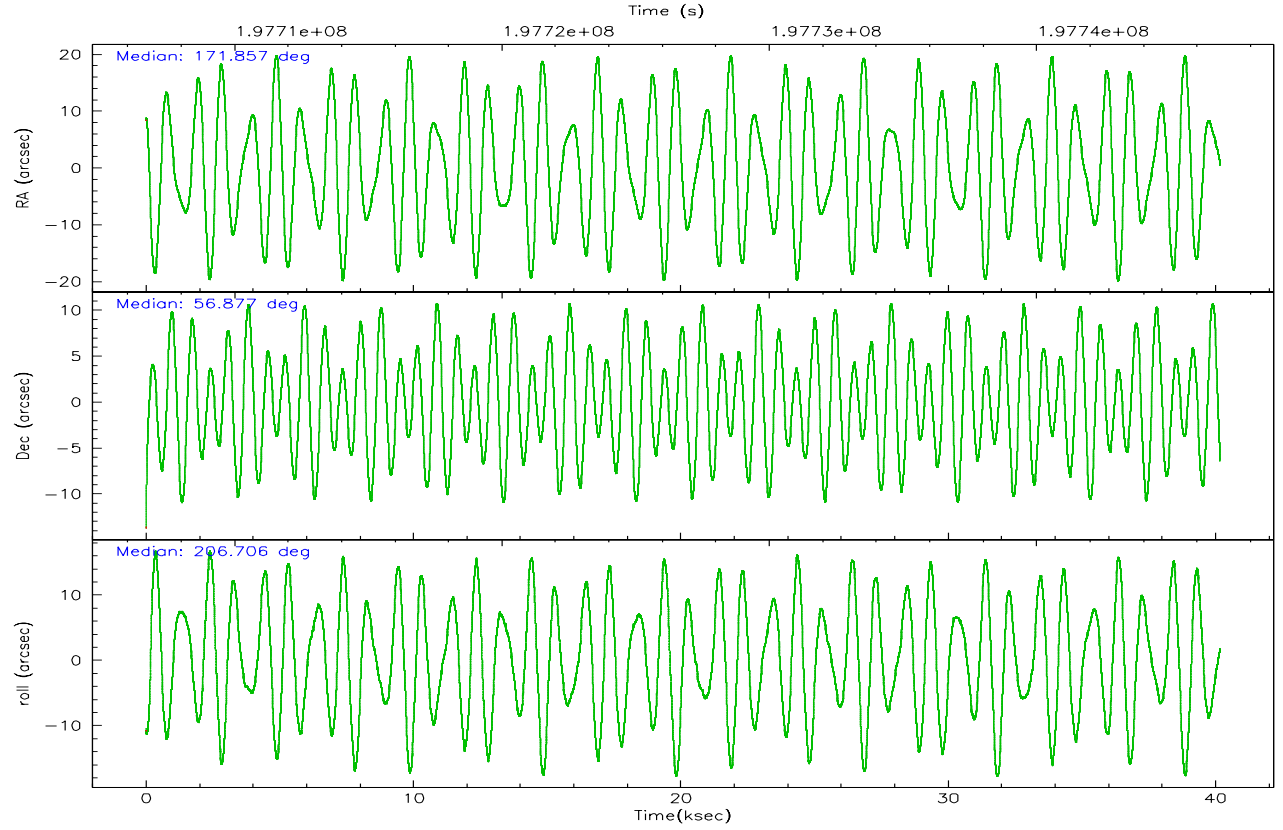
	<b>ccd 2</b>	<b>ccd 3</b>	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
grade 0 events	14447	13544	13099	9110	23817
	5%	4%	4%	2%	6%
grade 1 events	154	175	138	242	236
	0%	0%	0%	0%	0%
grade 2 events	6592	6268	7030	36566	16372
	2%	2%	2%	9%	4%
grade 3 events	3084	3236	3325	7656	7935
	1%	1%	1%	2%	2%
grade 4 events	3038	3107	3154	7621	7294
	1%	1%	1%	2%	2%
grade 5 events	10654	12366	12946	25493	17279
	3%	4%	4%	6%	4%
grade 6 events	5388	5568	6669	85405	18953
	2%	2%	2%	22%	5%
grade 7 events	223857	231318	237984	208031	265236
	83%	83%	83%	54%	74%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	171.883581	171.8568183754489	Alternating exposures requested	N	N
Pointing Dec	56.900227	56.87727351772362	Primary exposure time	0.000000	3.1
Pointing Roll	206.534459	206.7135027420146			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
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	197706863.184000	197705633.96565			
Observation start date	2004-04-07T06:33:19	2004-04-07T06:13:53			
Observation end time	197746863.184000	197747391.44248			
Observation end date	2004-04-07T17:39:59	2004-04-07T17:49:51			
Read mode	TIMED	TIMED			

## 2.3 Aspect





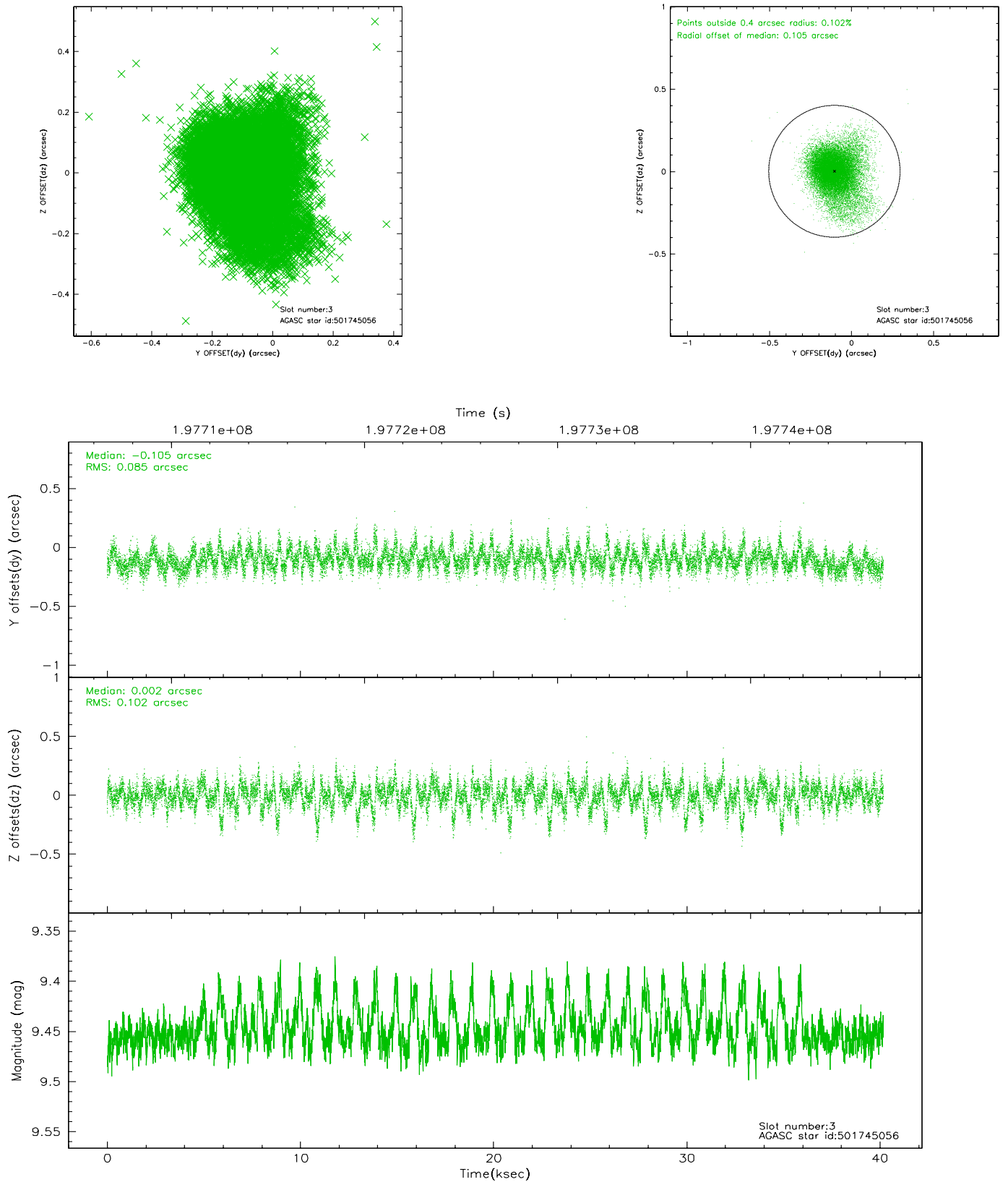
### Slot Statistics

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	9801	-0.031	0.003	0.010	0.017	0.000000	0.000000	-760.20	-1731.30
1	FID	ACIS-S-4	7.20	9800	0.039	0.014	0.011	0.020	0.000000	0.000000	2153.11	177.24
2	FID	ACIS-S-5	7.23	9800	-0.038	-0.008	0.016	0.025	0.000000	0.000000	-1813.06	170.83
3	GUIDE	501745056	9.45	19580	-0.105	0.002	0.131	0.250	173.013273	57.050098	-2227.98	489.10
4	GUIDE	501745560	6.85	19594	0.085	0.024	0.083	0.135	170.455367	57.074858	2206.98	-1836.57
5	GUIDE	501746360	8.30	19570	0.301	-0.082	0.064	0.103	171.888954	56.575508	513.28	1050.78
6	GUIDE	501747008	7.39	19598	-0.220	0.038	0.075	0.118	172.678253	56.746380	-1160.16	1188.39
7	GUIDE	501748320	9.53	19588	-0.071	0.027	0.100	0.163	170.966165	57.350324	865.07	-2255.63

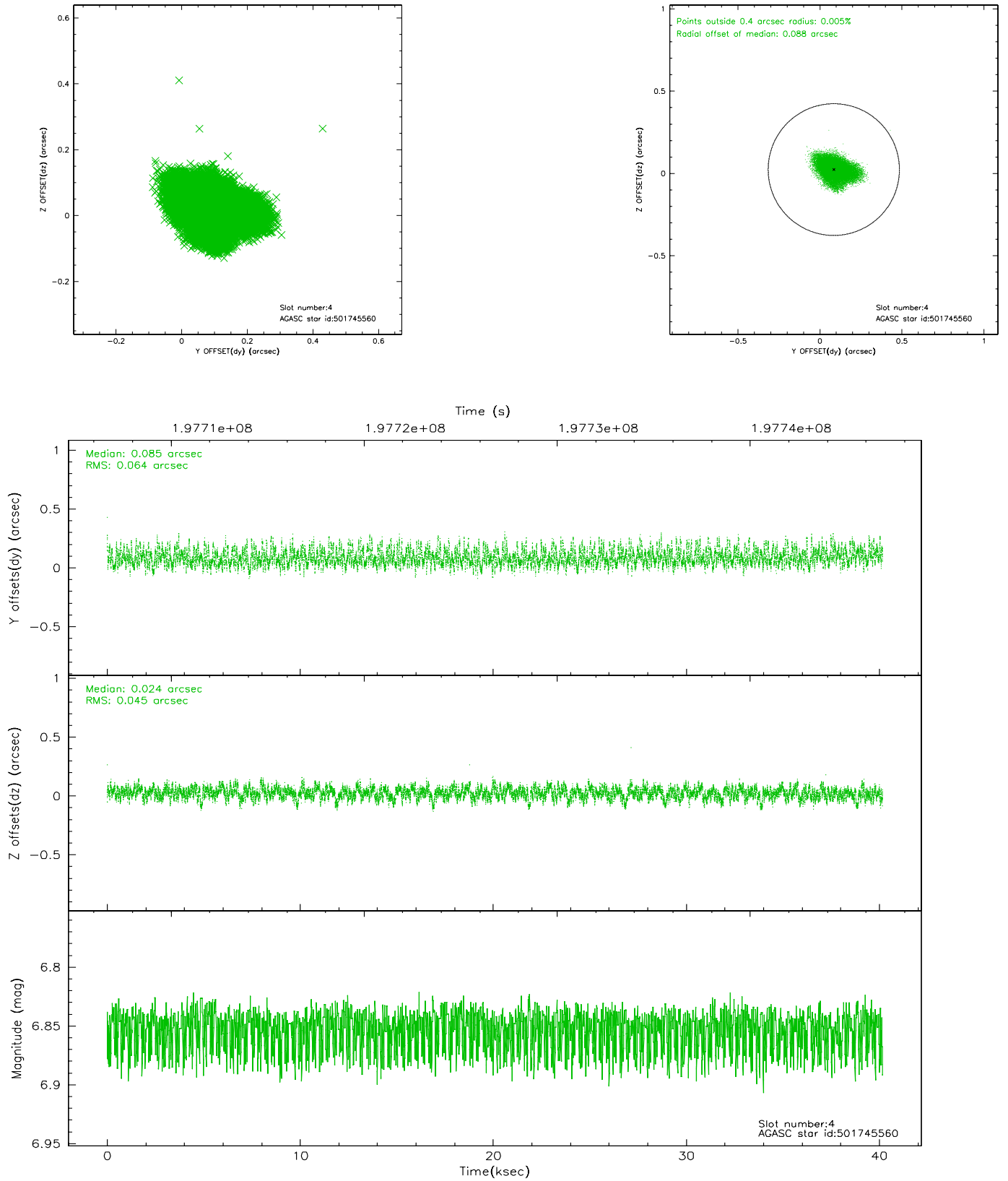


## 2.4 Star Slots

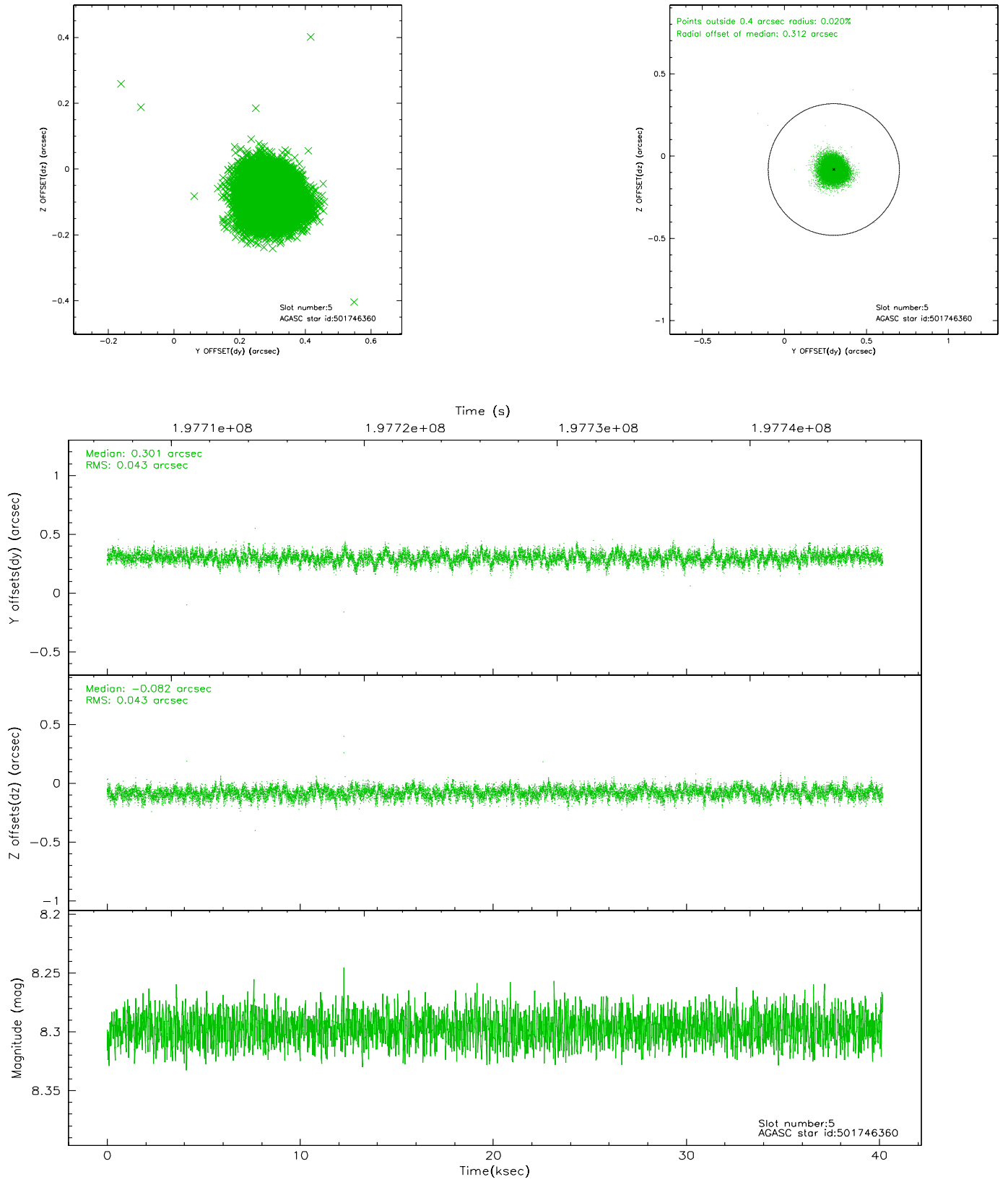
### 2.4.1 Slot 3



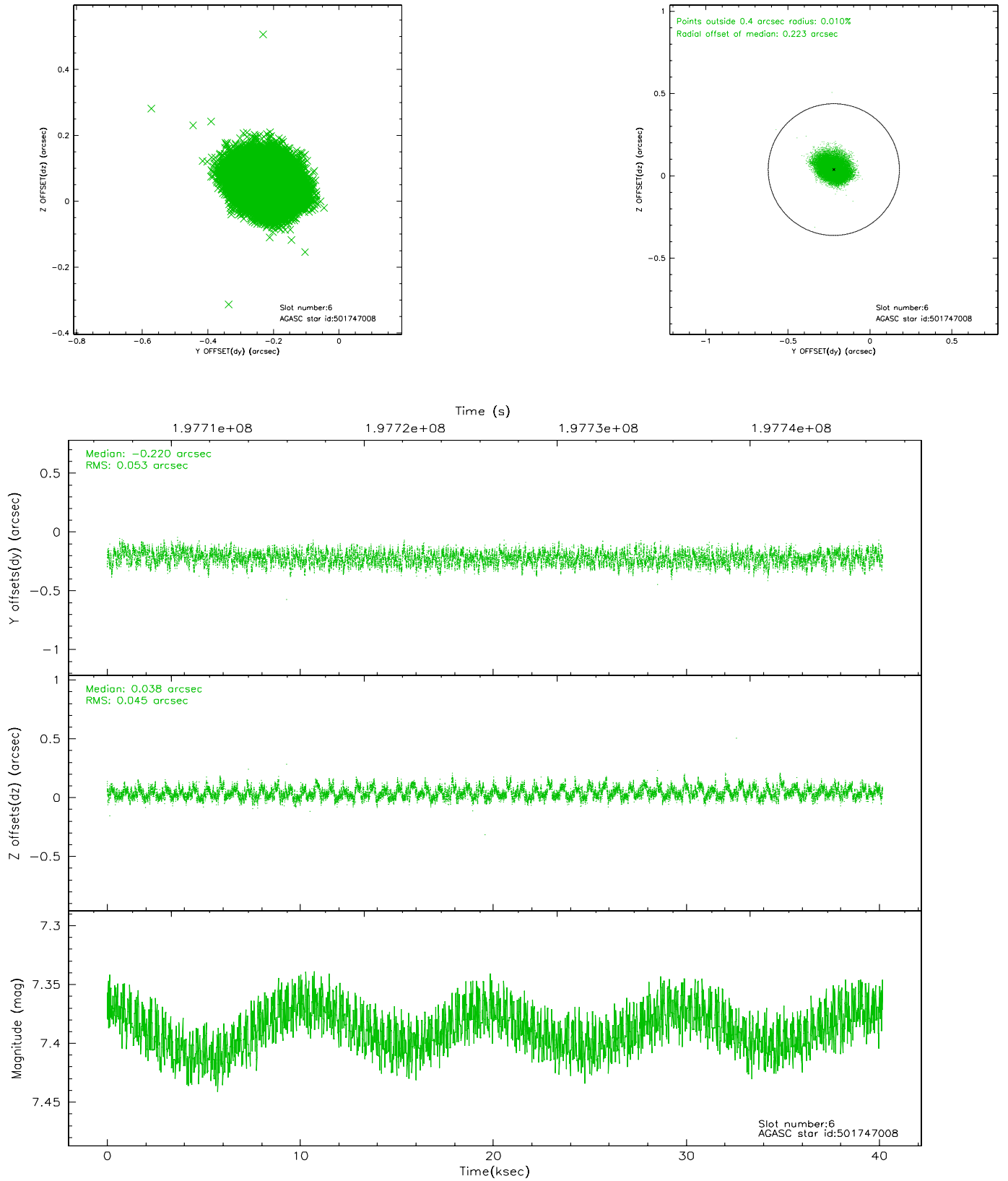
## 2.4.2 Slot 4



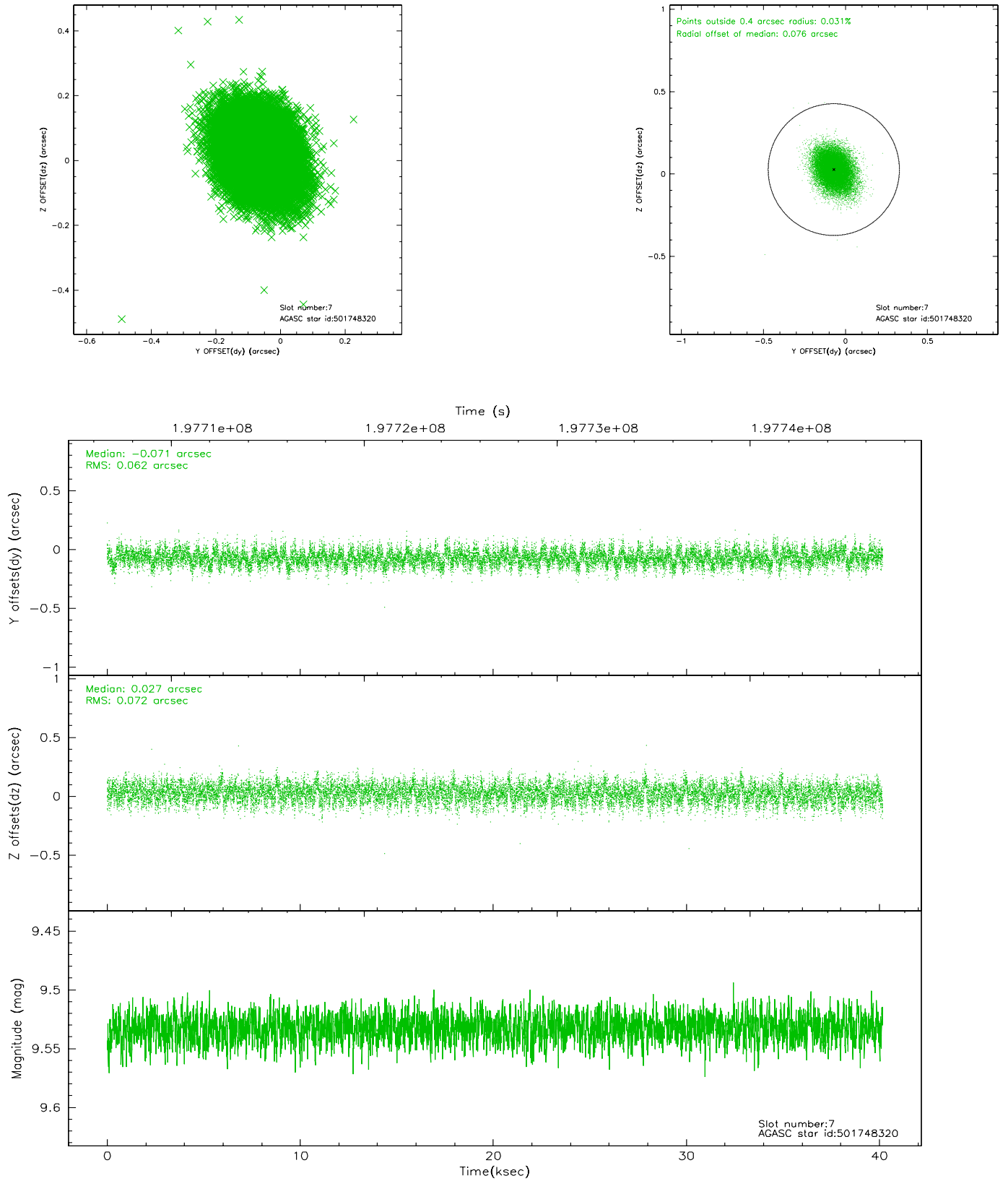
### 2.4.3 Slot 5



## 2.4.4 Slot 6

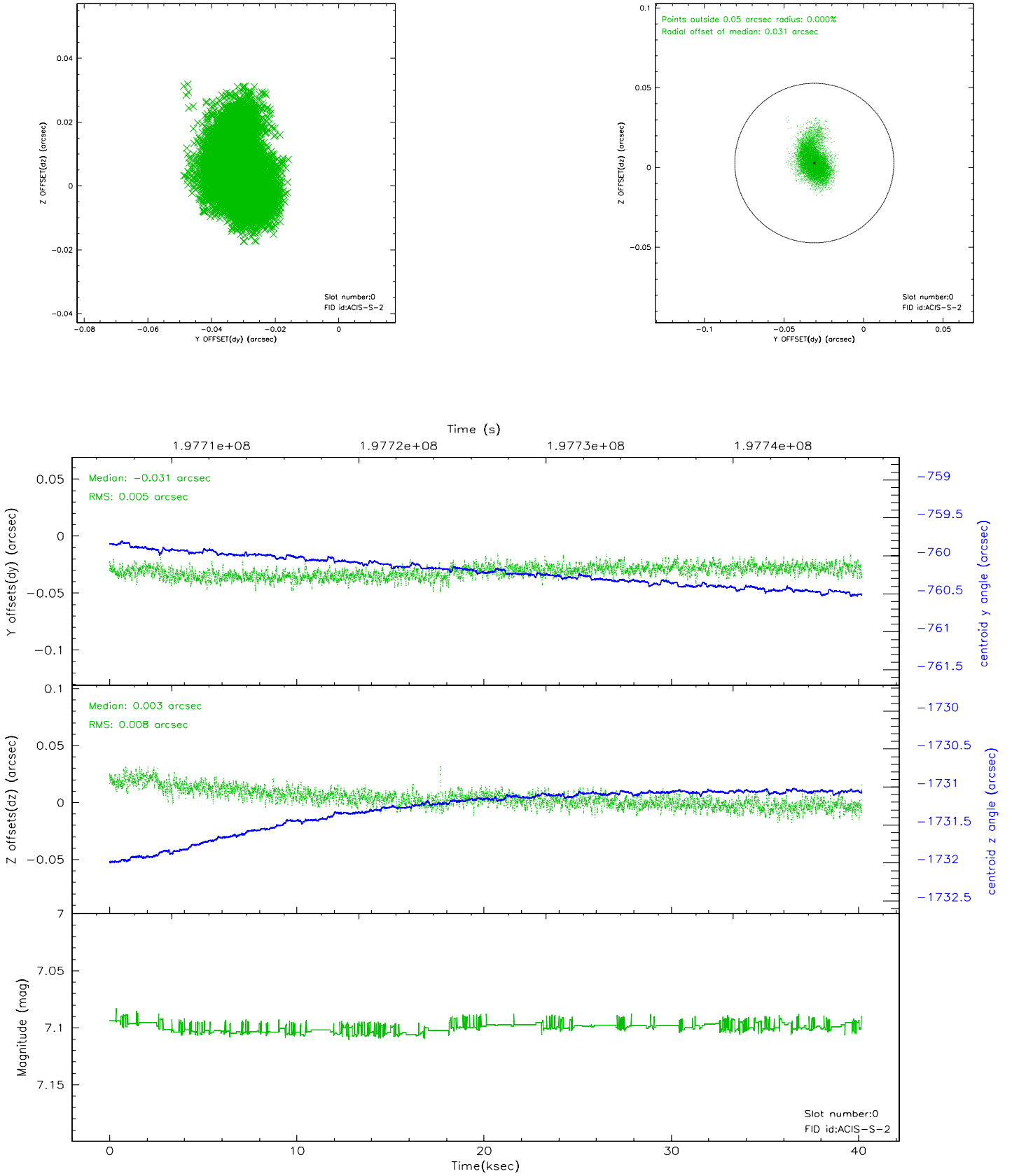


## 2.4.5 Slot 7

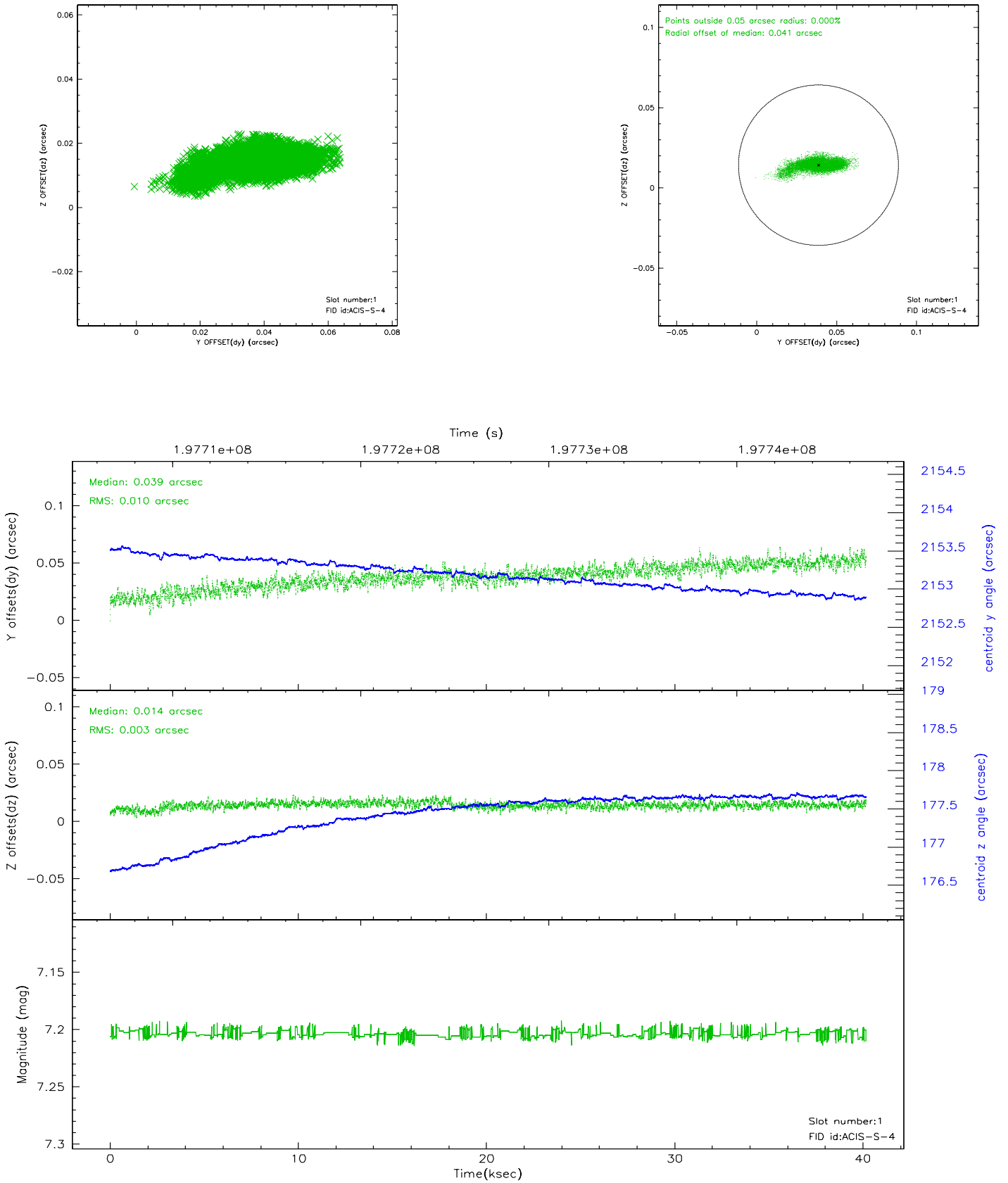


## 2.5 FID Slots

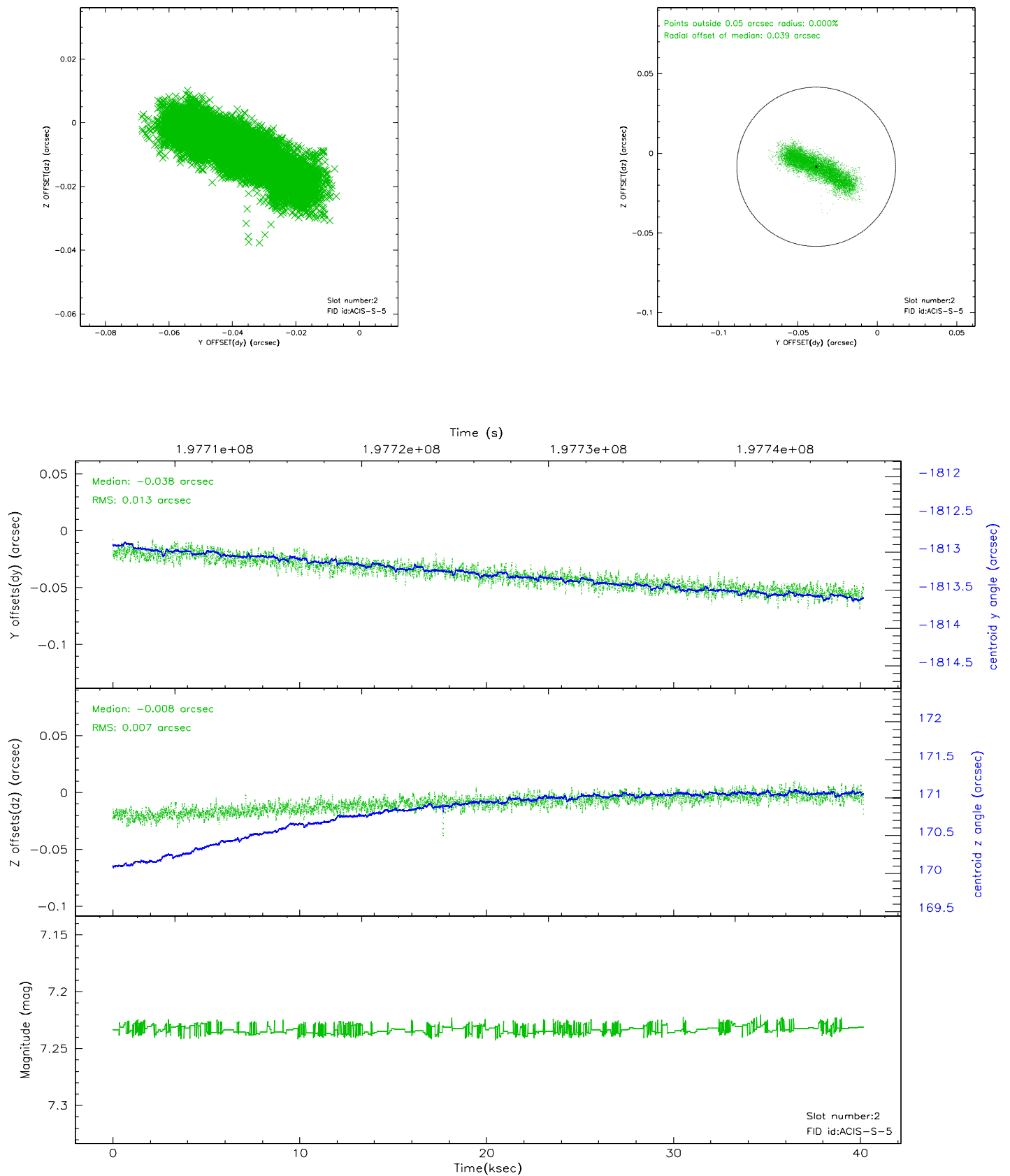
### 2.5.1 Slot 0



## 2.5.2 Slot 1

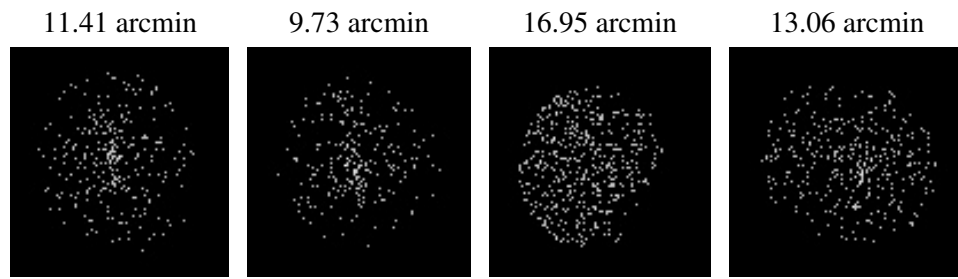


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.172

### A.2 Comments