

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2779 - L2 Version 001  
Chandra X-Ray Center

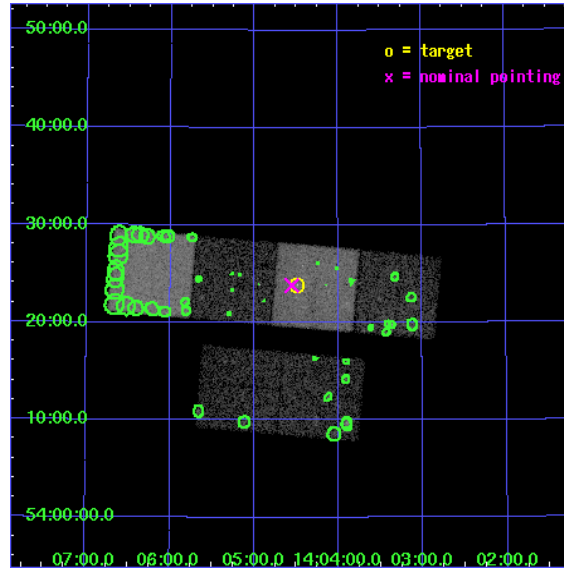
L2 Processing Date : Oct 11 2006

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# 1 Front

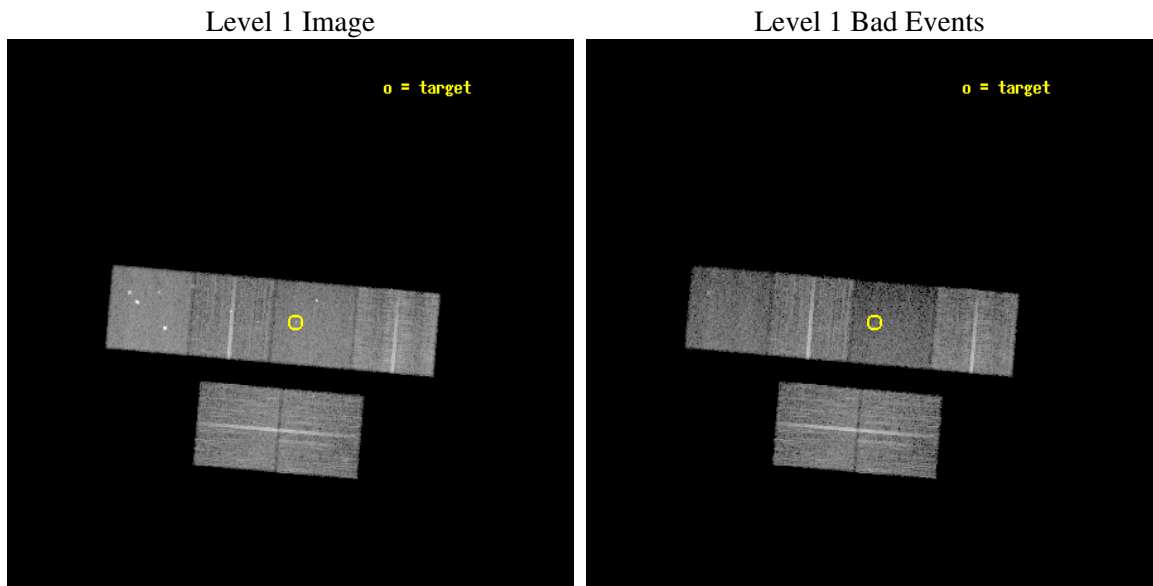
seq_num	500229
obs_id	2779
title	NGC5471B: A HYPERNOVA REMNANT CANDIDATE IN M101
observer	Prof. Q. Daniel Wang
object	NGC5471B
dtcycle	0
cycle	P
ra_targ	211.12125
dec_targ	54.398056
ra_nom	211.13777718868
dec_nom	54.397143384036
roll_nom	4.9088331018008
revision	2
ontime	14460.799946129
livetime	14277.688589963
ontime2	14460.799946129
ontime3	14460.799946129
ontime5	14460.799946129
ontime6	14460.799946129
ontime7	14460.799946129
ontime8	14460.799946129
l2events	103808



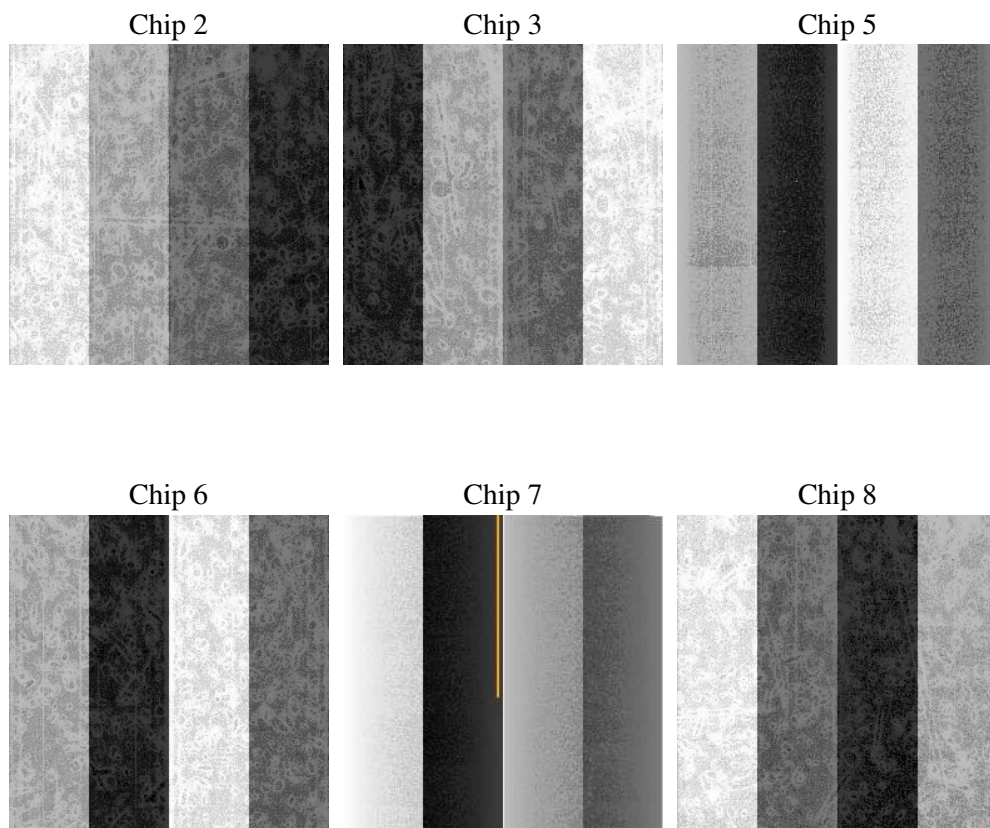
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-11T21:47:55
revision	2

sched_exp_time	14500.000000
ontime	14464.580571502
ontime2	14464.580571502
ontime3	14464.580571502
ontime5	14464.580571502
ontime6	14464.580571502
ontime7	14464.580571502
ontime8	14464.580571502
l1events	484447

### 2.1.4 Events

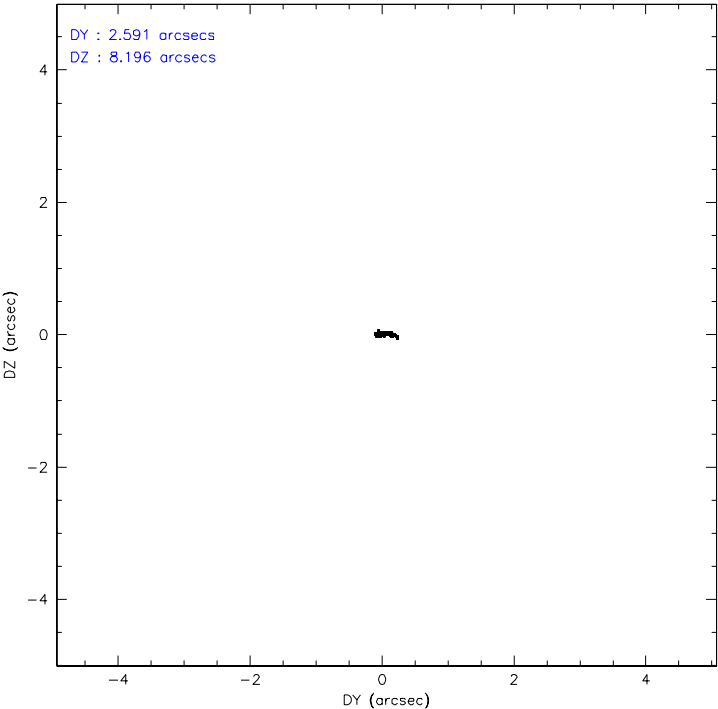
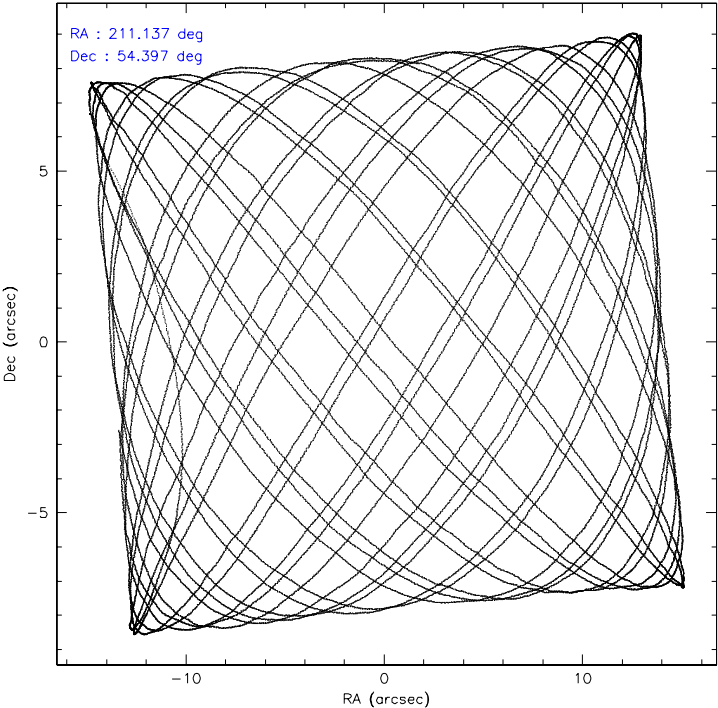
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	78396	74215	92521	73962	70679	94674
rejected events	71276	67128	42800	65758	36036	70402
rejected %	90%	90%	46%	88%	50%	74%

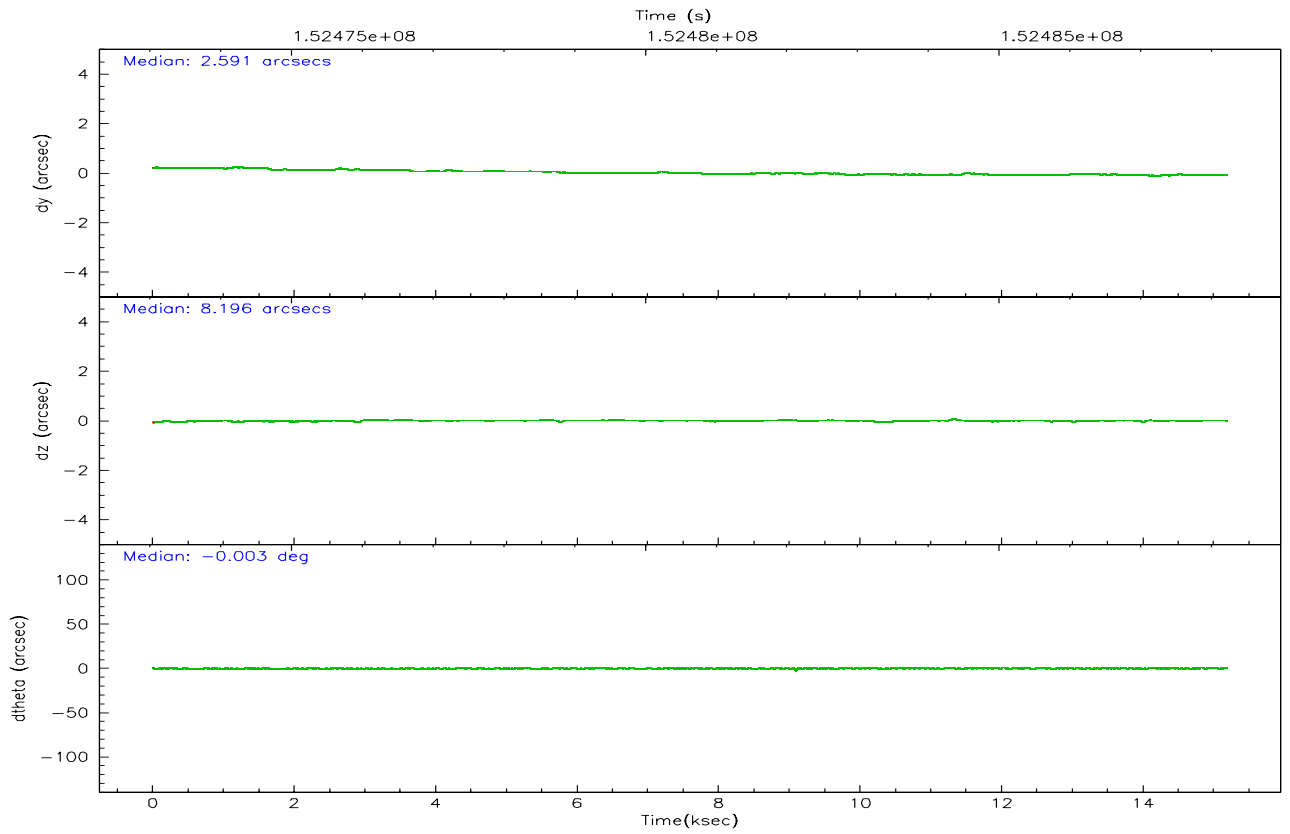
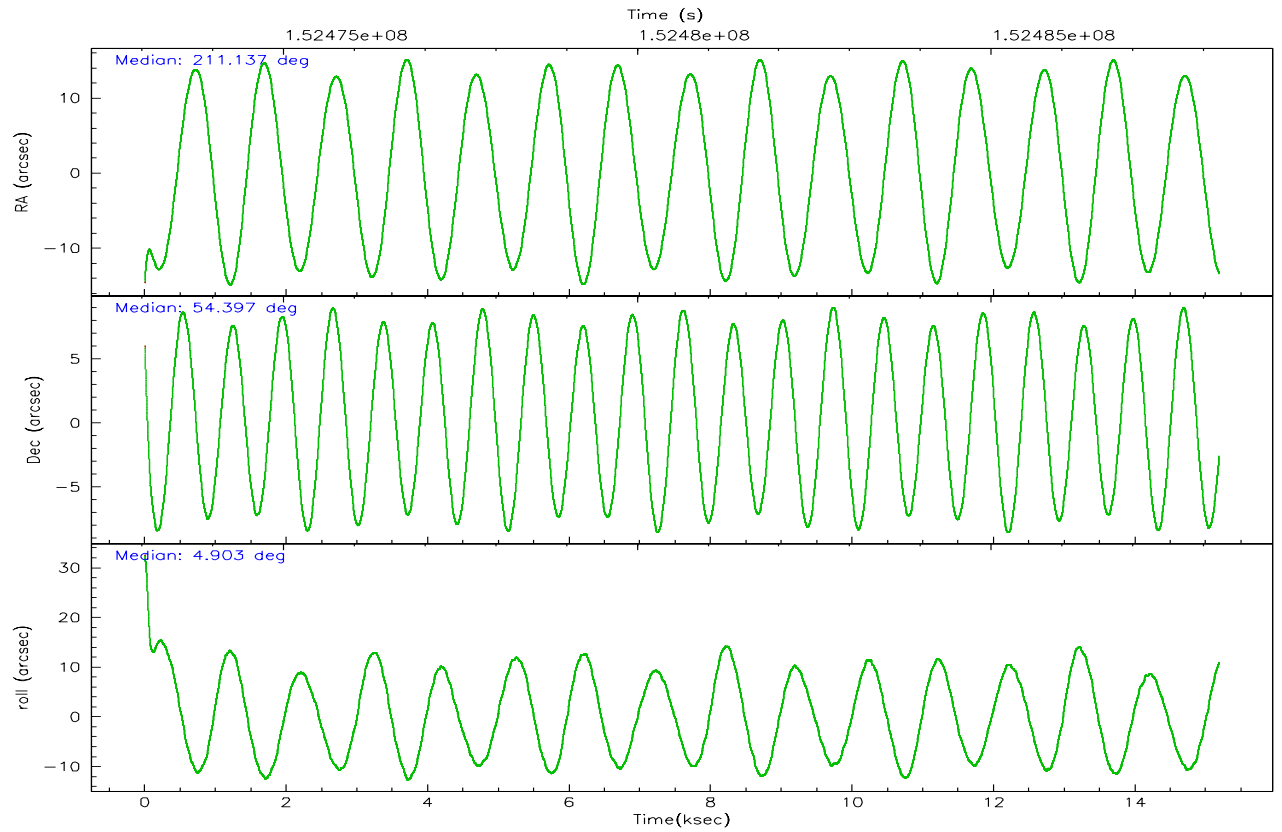
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2787	2924	7163	3323	3048	7316
	3%	3%	7%	4%	4%	7%
grade 1 events	45	38	40	41	45	61
	0%	0%	0%	0%	0%	0%
grade 2 events	1653	1435	14985	1685	8804	4862
	2%	1%	16%	2%	12%	5%
grade 3 events	738	767	1392	844	2269	2981
	0%	1%	1%	1%	3%	3%
grade 4 events	774	788	1295	856	2213	2758
	0%	1%	1%	1%	3%	2%
grade 5 events	1986	2285	4832	2357	5434	3458
	2%	3%	5%	3%	7%	3%
grade 6 events	1171	1175	24898	1501	18316	6359
	1%	1%	26%	2%	25%	6%
grade 7 events	69242	64803	37916	63355	30550	66879
	88%	87%	40%	85%	43%	70%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	211.099808	211.13777718868	Subarray requested	NONE	NONE
Pointing Dec	54.381283	54.39714338403613	Alternating exposures requested	N	N
Pointing Roll	4.783067	4.908833101800798	Primary exposure time	0.000000	3.2
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	152473731.184000	152472513.23414			
Observation start date	2002-10-31T17:47:47	2002-10-31T17:28:33			
Observation end time	152488231.184000	152488653.39731			
Observation end date	2002-10-31T21:49:27	2002-10-31T21:57:33			
Read mode	TIMED	TIMED			

### 2.3 Aspect





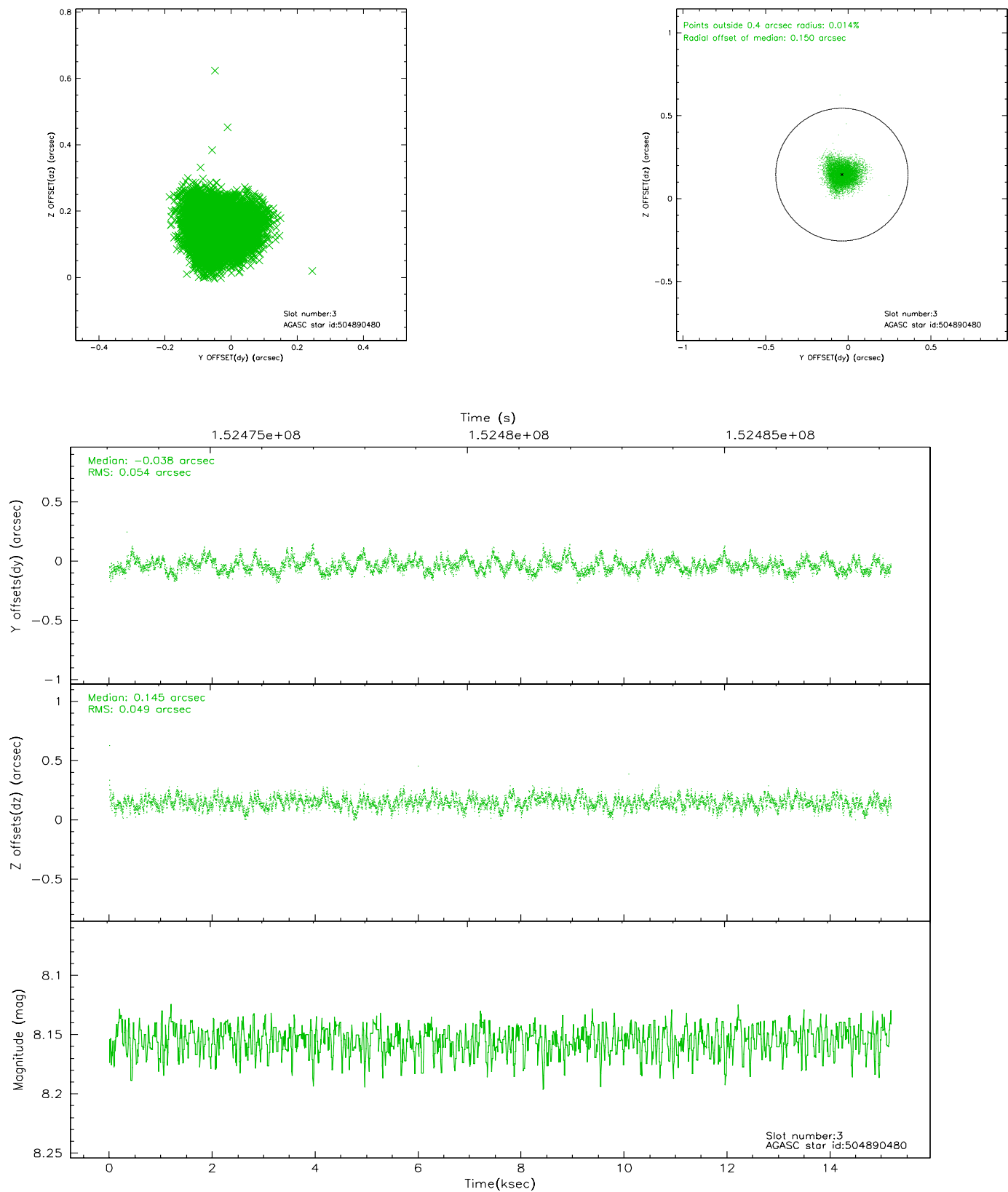
### Slot Statistics

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	3705	0.003	0.023	0.006	0.011	0.000000	0.000000	-755.26	-1729.31
1	FID	ACIS-S-4	7.20	3705	-0.071	-0.008	0.005	0.009	0.000000	0.000000	2157.82	178.81
2	FID	ACIS-S-5	7.24	3704	0.036	-0.006	0.007	0.012	0.000000	0.000000	-1807.67	172.85
3	GUIDE	504890480	8.15	7408	-0.038	0.145	0.078	0.123	210.132463	53.768436	-2232.89	-2013.27
4	GUIDE	504893088	9.22	7405	0.126	-0.053	0.082	0.133	210.351715	54.364955	-1566.80	80.09
5	GUIDE	504894408	9.27	7408	-0.038	0.148	0.079	0.128	211.942794	54.047749	1677.33	-1334.12
6	GUIDE	504890776	9.26	7400	-0.051	0.037	0.099	0.167	211.095934	54.816966	123.97	1563.59
7	GUIDE	505292416	9.32	7403	0.005	-0.274	0.111	0.174	210.920759	55.040479	-169.37	2396.29

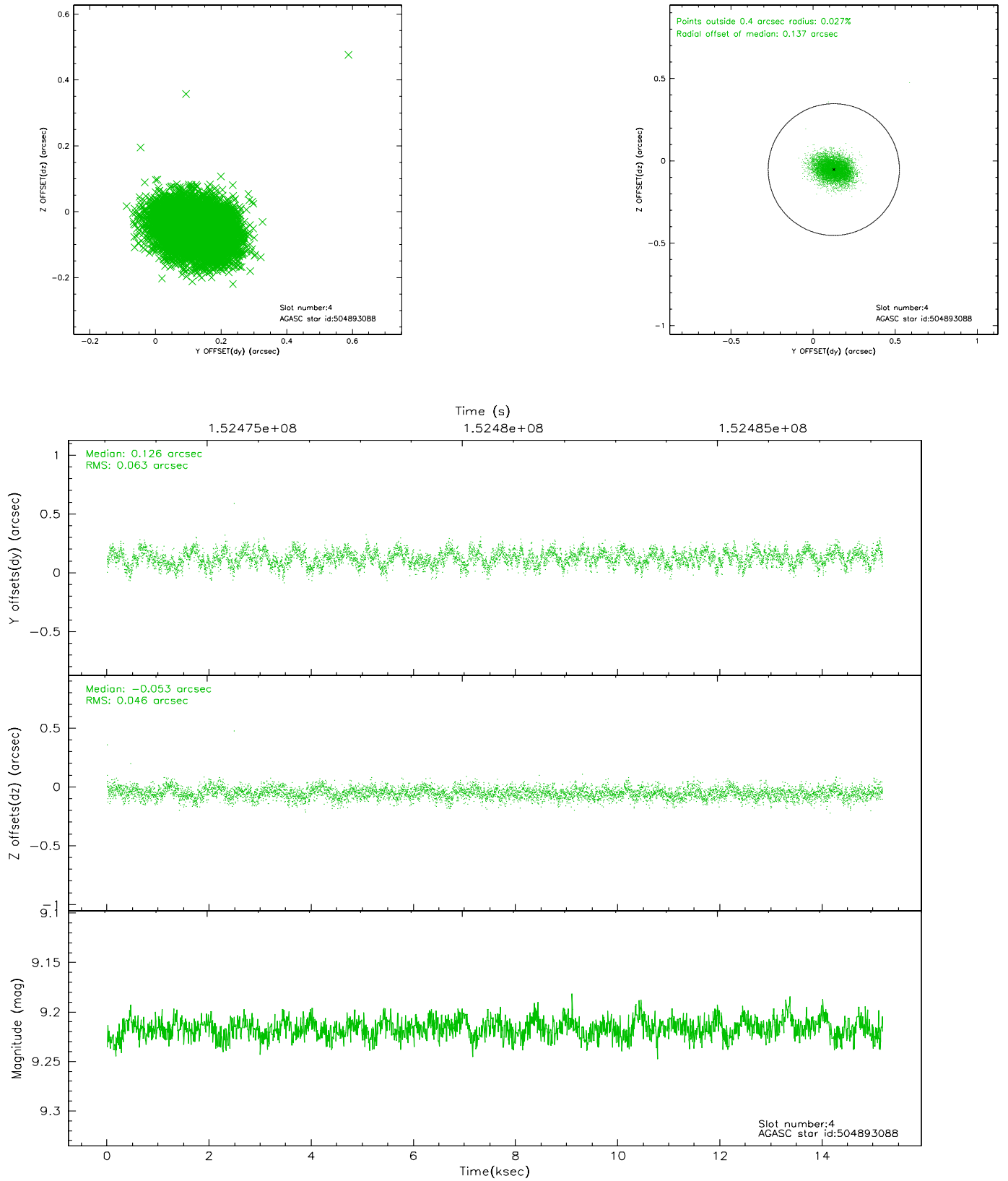


## 2.4 Star Slots

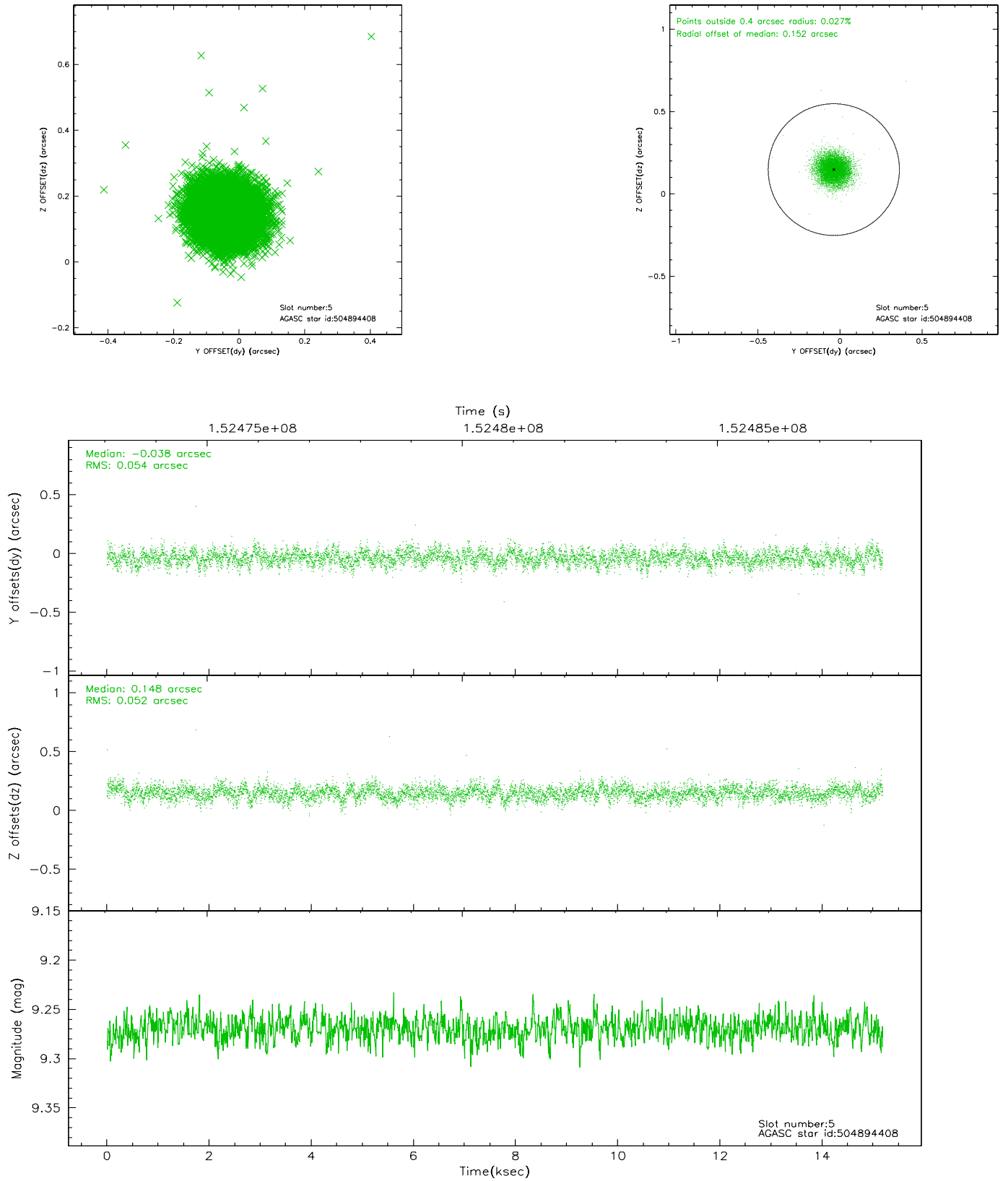
### 2.4.1 Slot 3



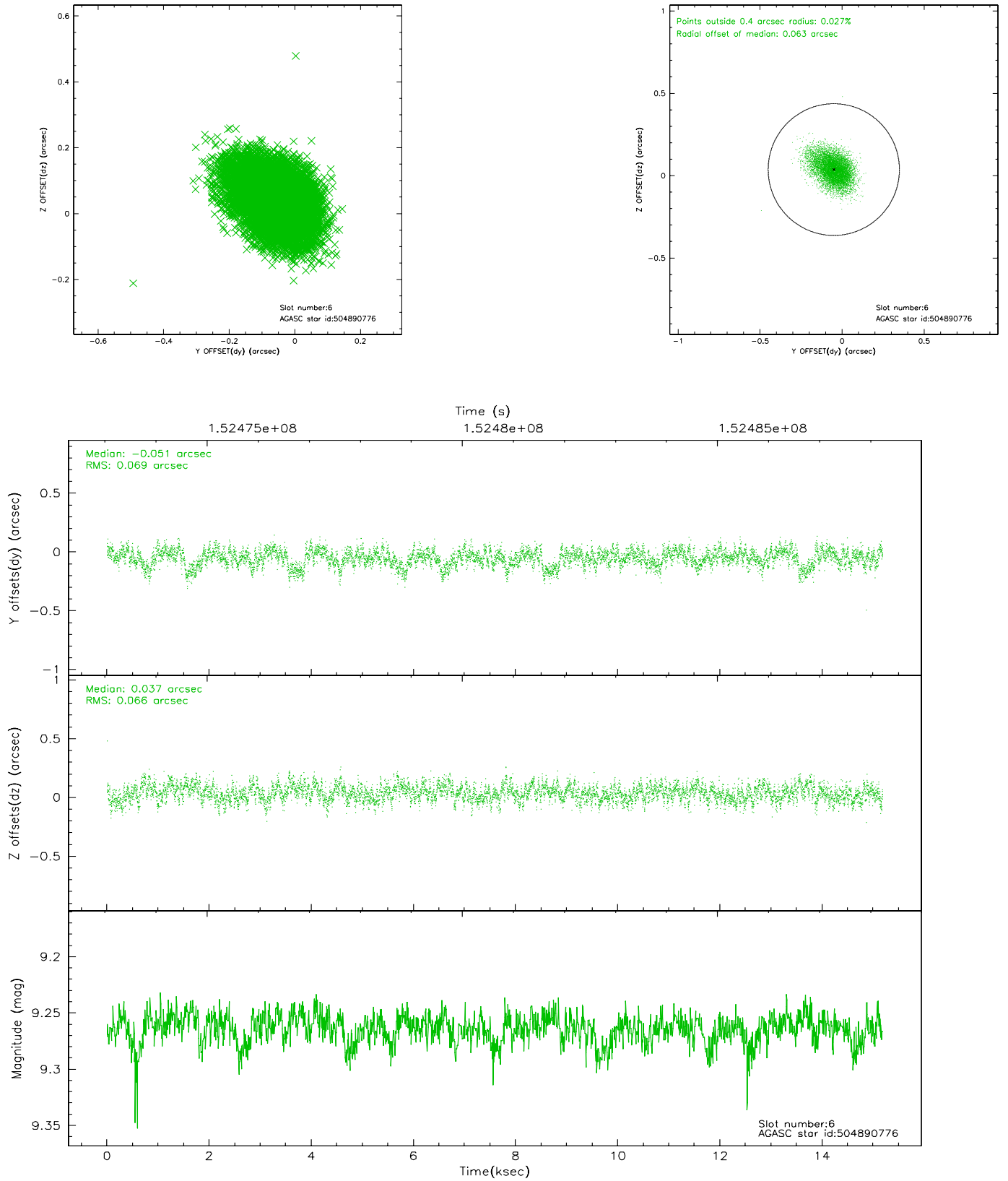
## 2.4.2 Slot 4



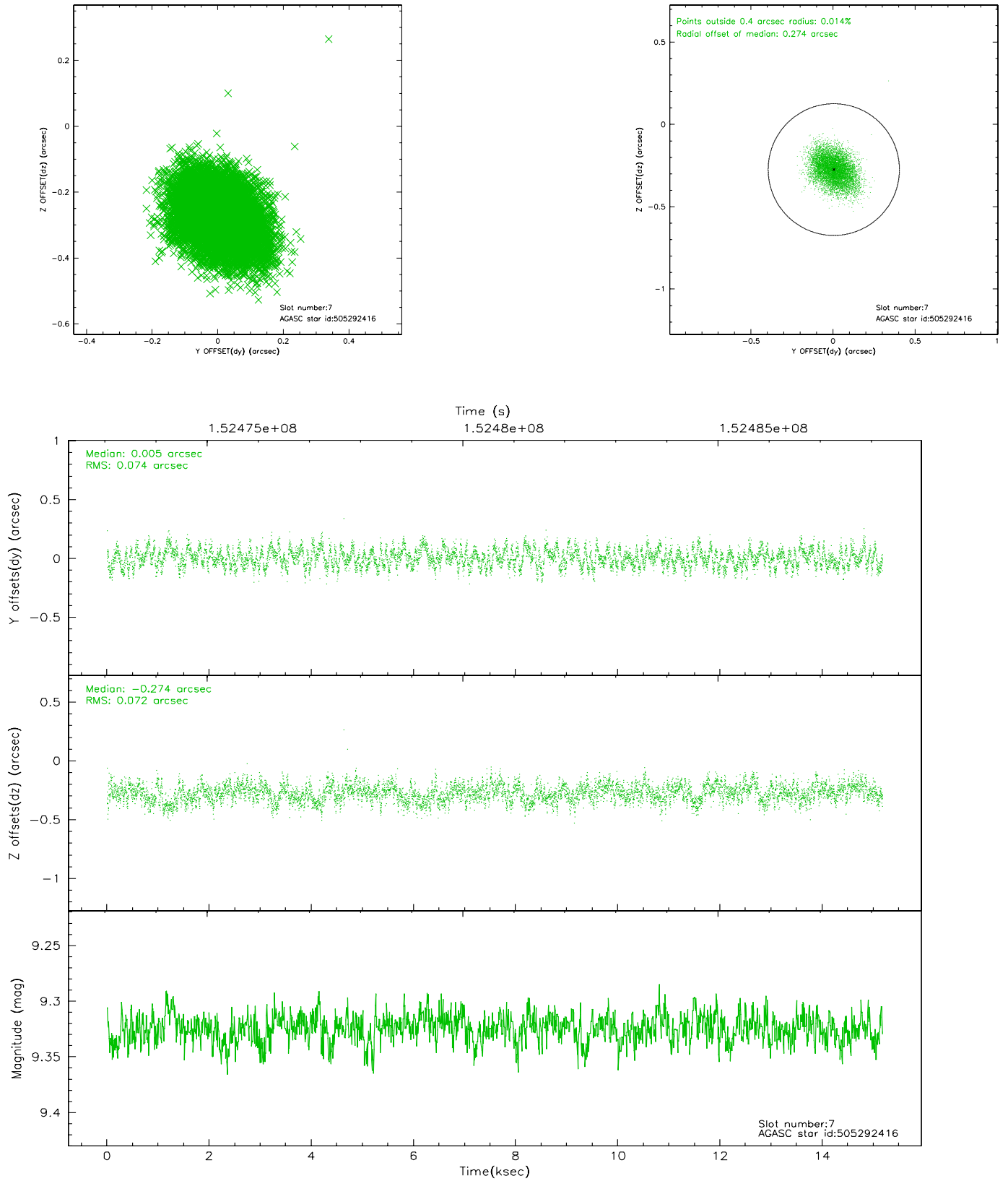
### 2.4.3 Slot 5



## 2.4.4 Slot 6

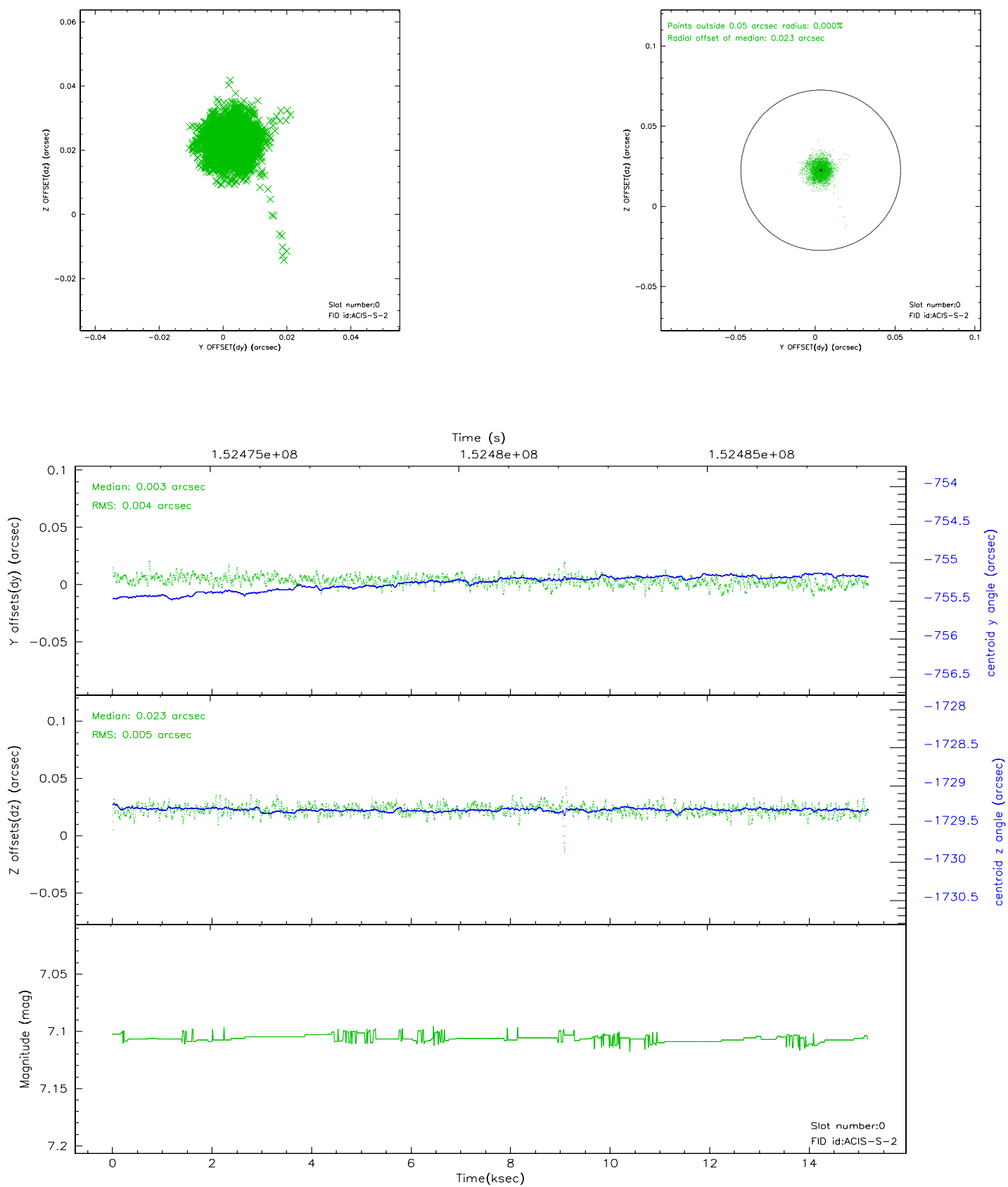


## 2.4.5 Slot 7

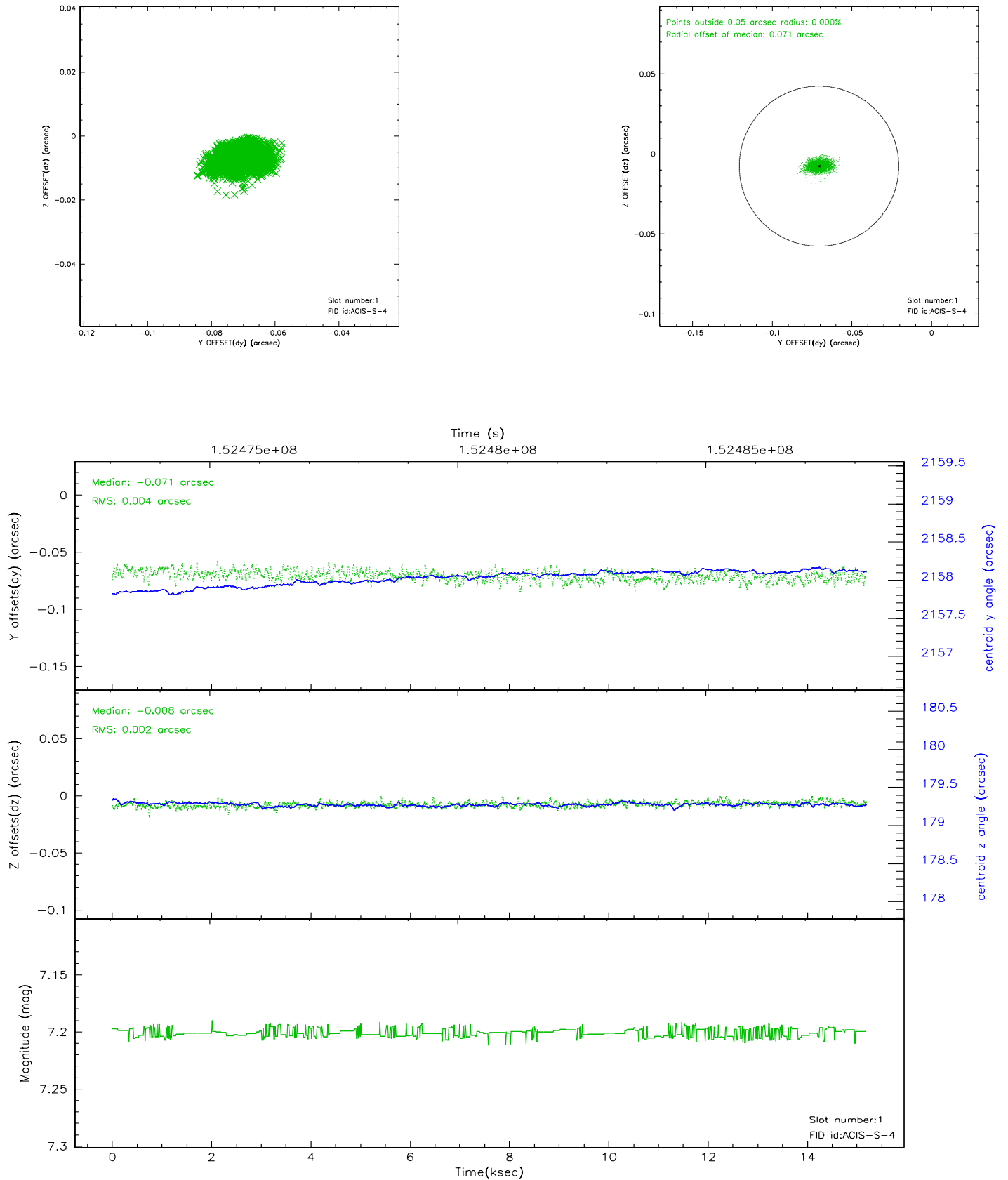


## 2.5 FID Slots

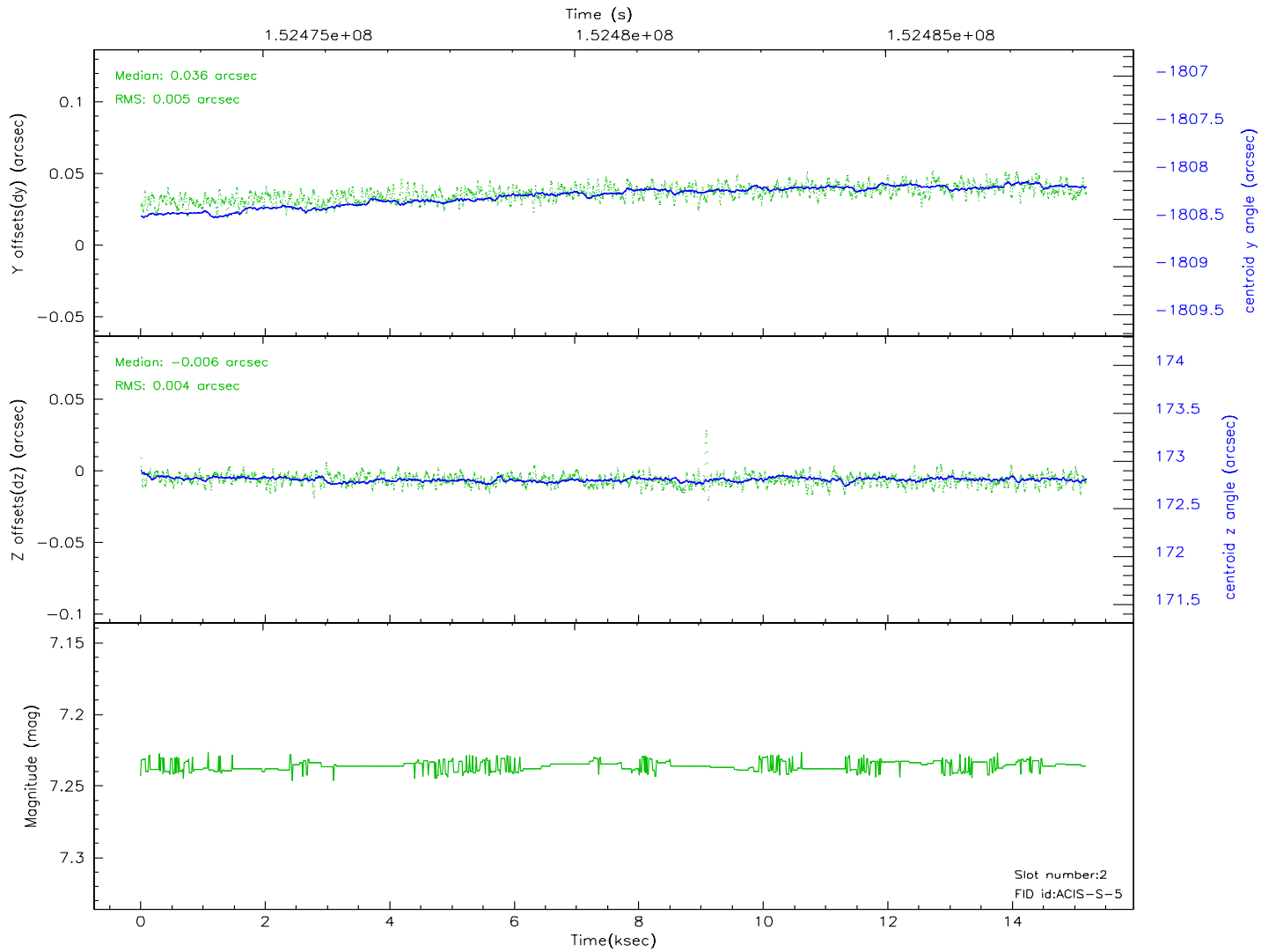
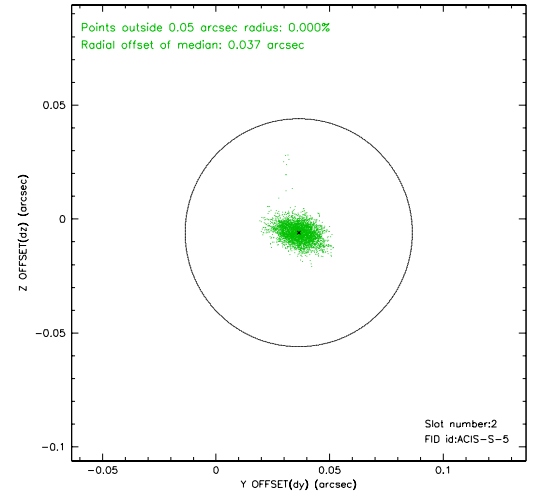
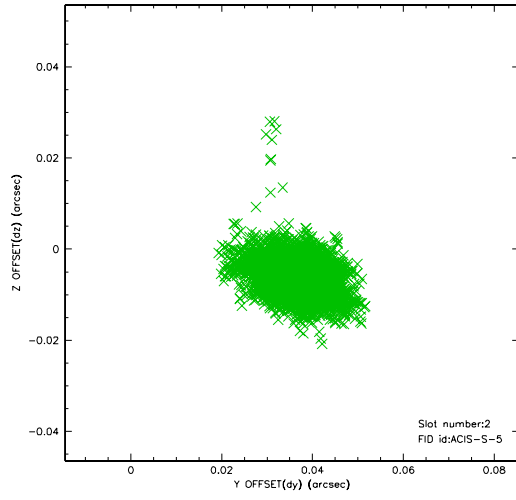
### 2.5.1 Slot 0



## 2.5.2 Slot 1

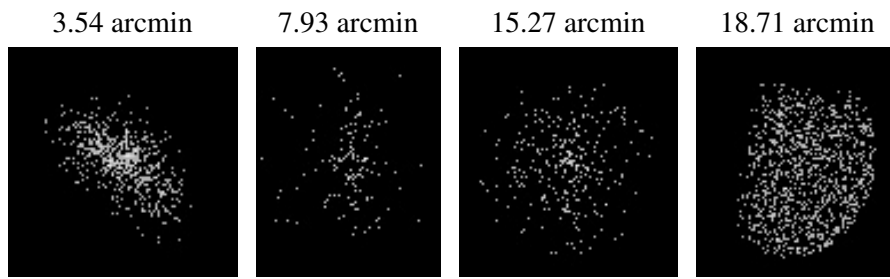


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.46

### A.2 Comments