

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 1564 - L2 Version 001  
Chandra X-Ray Center

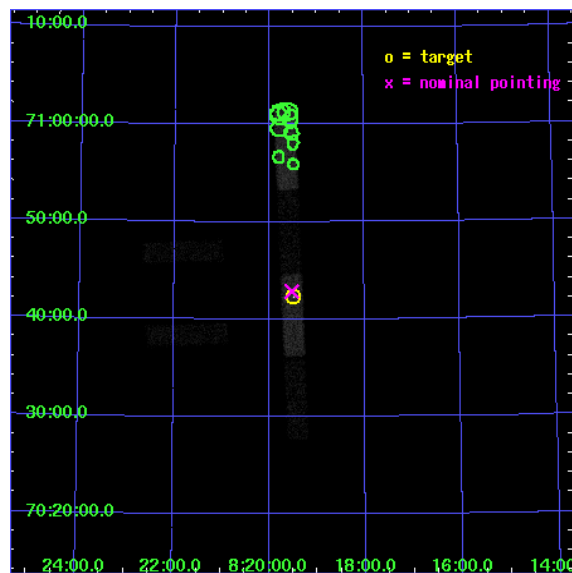
L2 Processing Date : Jan 13 2007

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# 1 Front

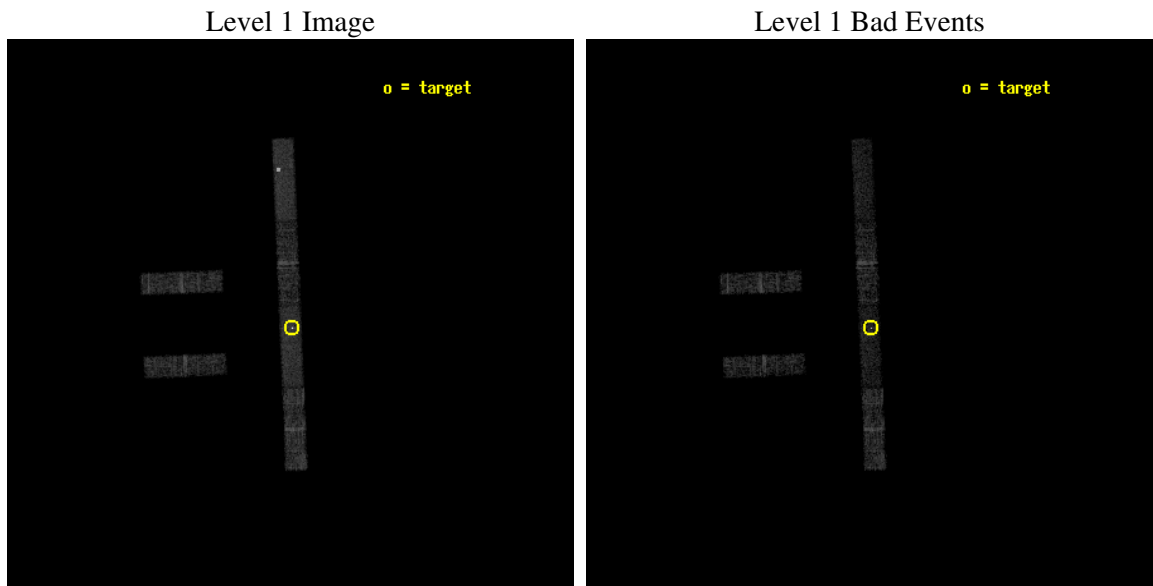
seq_num	600121
obs_id	1564
title	CHANDRA OBSERVATIONS OF THE EXTRANUCLEAR SOURCE IN UGC 4305
observer	Dr Stephen Murray
object	UGC 4305
dtcycle	0
cycle	P
ra_targ	124.874583
dec_targ	70.705
ra_nom	124.88095142523
dec_nom	70.714458417163
roll_nom	87.566861119732
revision	2
ontime	5336.0999710858
livetime	5144.1754611533
ontime2	5336.0999710858
ontime3	5336.0999710858
ontime5	5336.0999710858
ontime6	5336.0999710858
ontime7	5336.0999710858
ontime8	5336.0999710858
l2events	19991



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 2

Chip 3

Chip 5



Chip 6

Chip 7

Chip 8



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.3.0
date	2007-01-13T14:37:52
revision	2

sched_exp_time	5000.000000
ontime	5336.0999710858
ontime2	5336.0999710858
ontime3	5336.0999710858
ontime5	5336.0999710858
ontime6	5336.0999710858
ontime7	5336.0999710858
ontime8	5336.0999710858
l1events	82275

### 2.1.4 Events

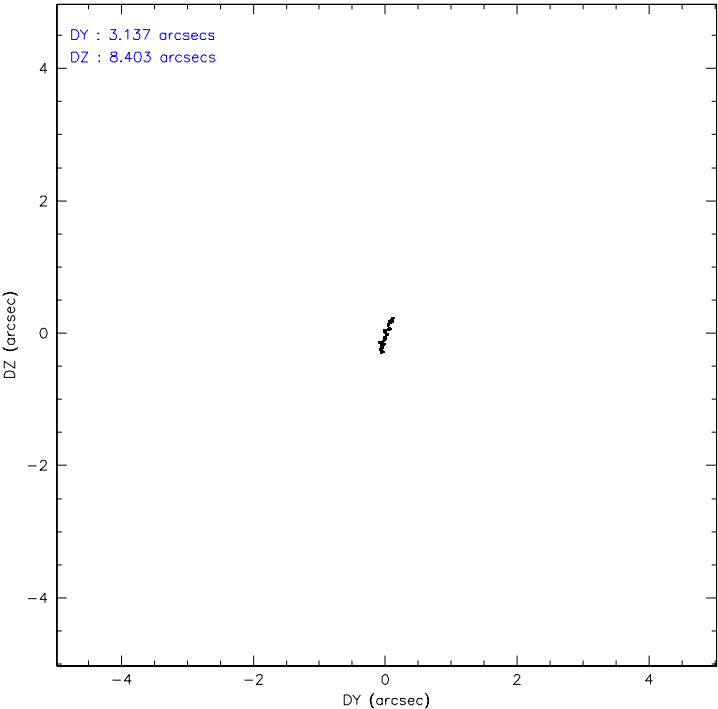
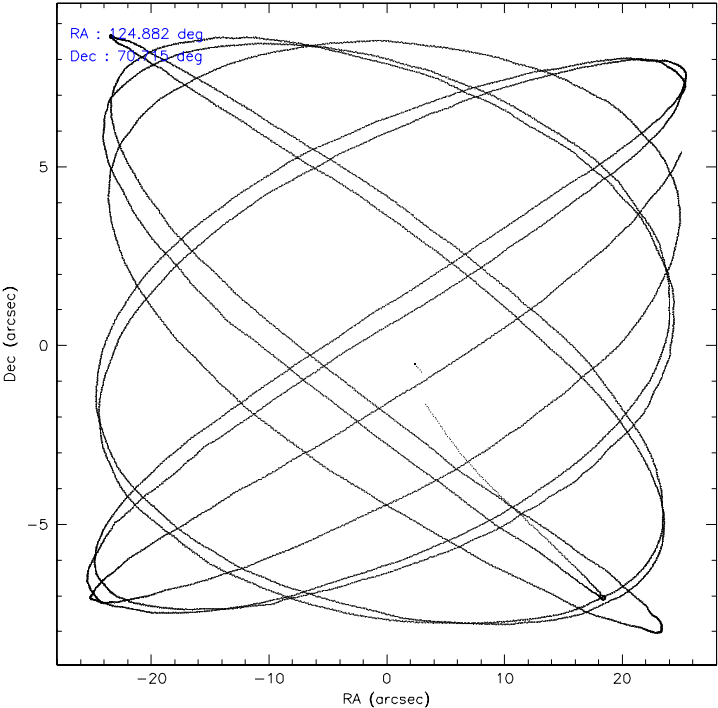
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	11796	10080	17430	11165	17721	14083
rejected events	10530	8846	7455	9904	8353	11858
rejected %	89%	87%	42%	88%	47%	84%

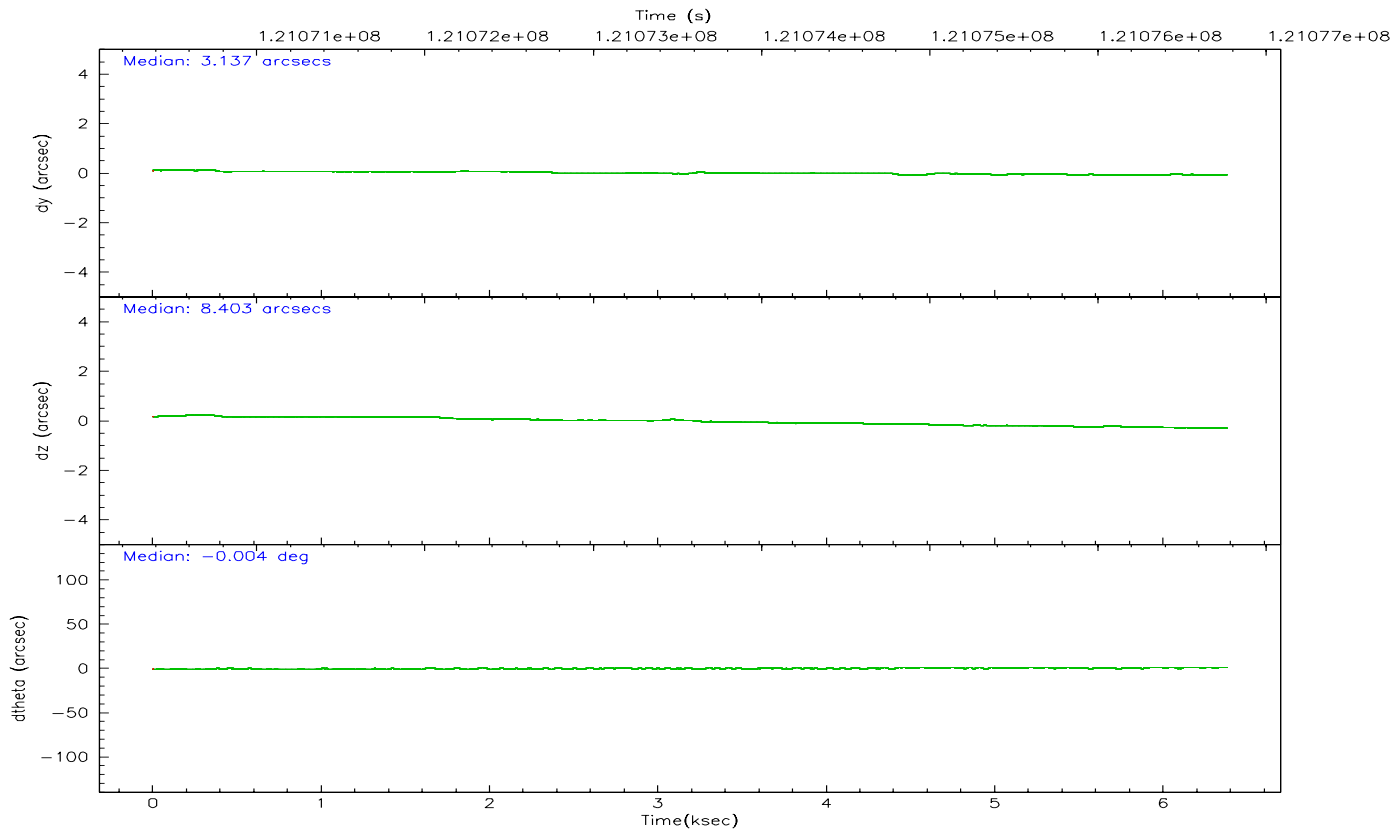
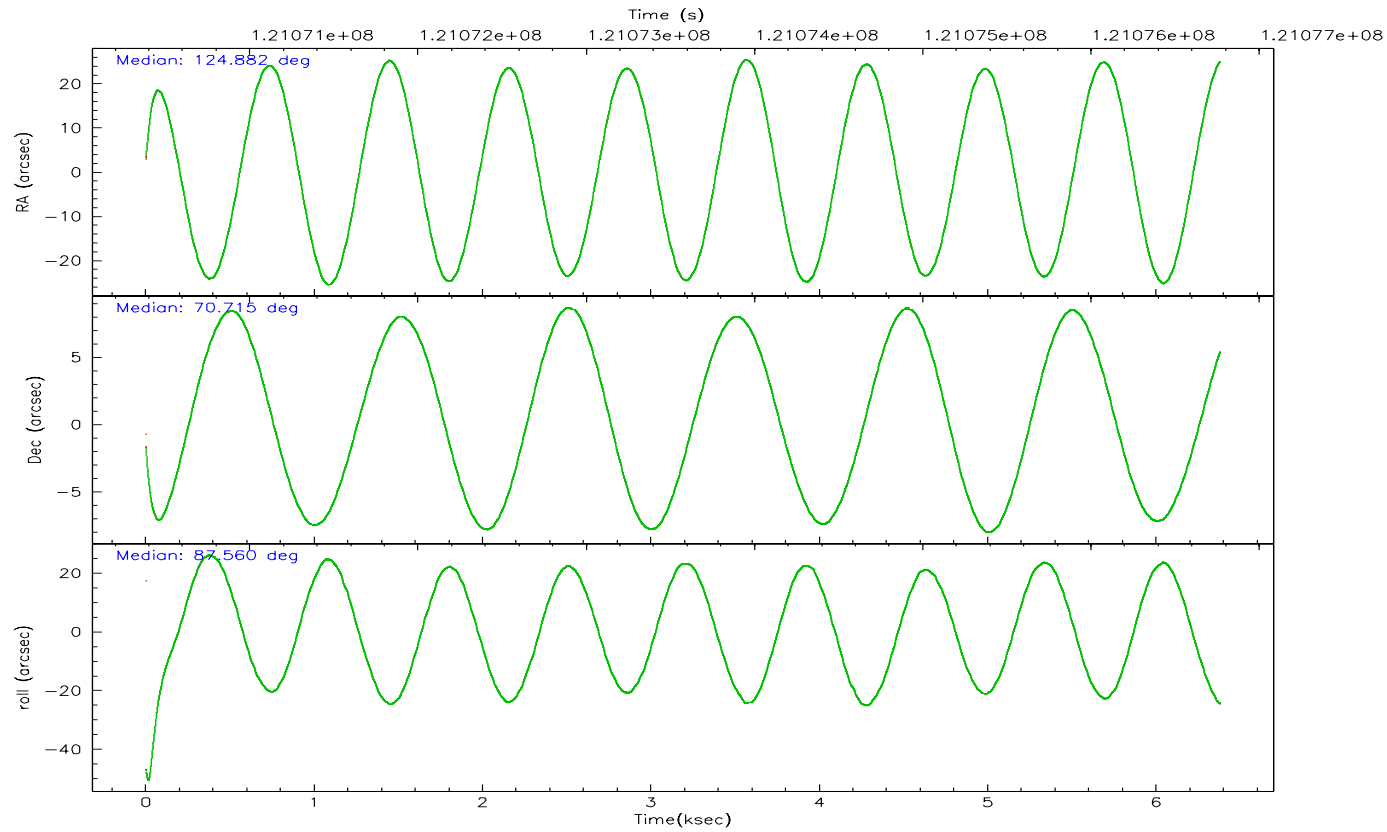
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	496	525	4139	502	1580	742
	4%	5%	23%	4%	8%	5%
grade 1 events	3	1	17	4	128	3
	0%	0%	0%	0%	0%	0%
grade 2 events	270	224	1973	222	2127	433
	2%	2%	11%	1%	12%	3%
grade 3 events	183	169	491	169	1046	284
	1%	1%	2%	1%	5%	2%
grade 4 events	172	149	476	181	985	265
	1%	1%	2%	1%	5%	1%
grade 5 events	352	332	1054	382	1580	477
	2%	3%	6%	3%	8%	3%
grade 6 events	203	205	3309	224	3980	571
	1%	2%	18%	2%	22%	4%
grade 7 events	10117	8475	5971	9481	6295	11308
	85%	84%	34%	84%	35%	80%

## 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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	124.920031	124.8809514252274	Subarray requested	1/4	1/4
Pointing Dec	70.690479	70.71445841716275	Subarray start row	0	385
Pointing Roll	87.373437	87.56686111973212	Subarray row count	1024	256
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	1.1
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	121070724.184000	121069669.98038			
Observation start date	2001-11-02T06:44:20	2001-11-02T06:27:49			
Observation end time	121075724.184000	121077080.73068			
Observation end date	2001-11-02T08:07:40	2001-11-02T08:31:20			
Read mode	TIMED	TIMED			

2.3 Aspect





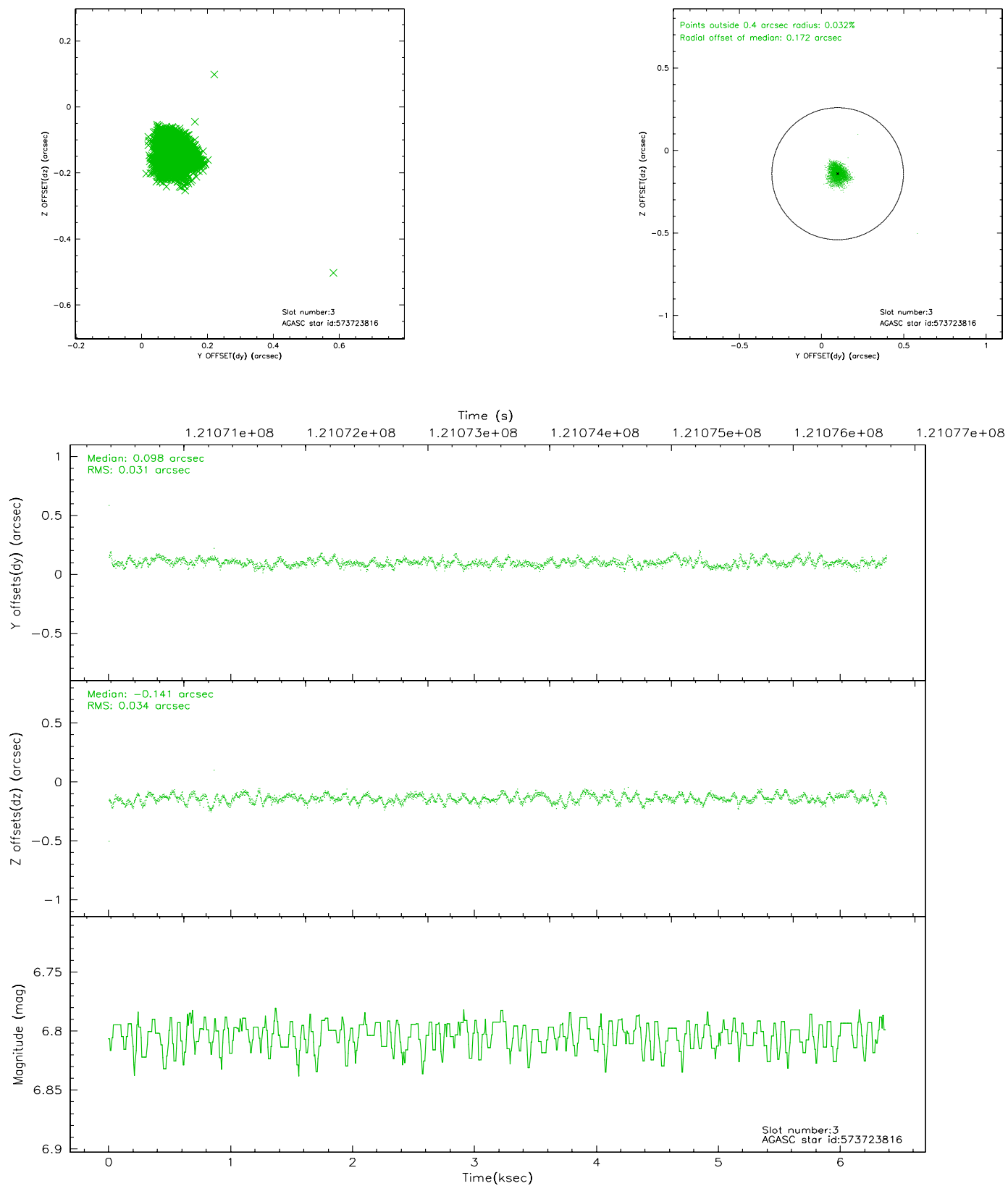
### Slot Statistics

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	1557	0.010	0.017	0.008	0.013	0.000000	0.000000	-755.79	-1729.56
1	FID	ACIS-S-4	7.19	1557	-0.080	-0.010	0.007	0.012	0.000000	0.000000	2156.99	177.94
2	FID	ACIS-S-5	7.24	1557	0.038	0.001	0.006	0.011	0.000000	0.000000	-1807.41	172.68
3	GUIDE	573723816	6.80	3113	0.098	-0.141	0.047	0.076	124.391876	70.177108	-1873.83	559.89
4	GUIDE	573713504	7.26	3111	-0.018	0.142	0.069	0.104	126.581420	70.128073	-1902.96	-2121.28
5	GUIDE	573719824	8.77	3111	-0.126	-0.066	0.058	0.093	124.187277	71.200735	1799.45	933.74
6	GUIDE	573706240	8.96	3113	0.145	-0.129	0.101	0.171	123.203944	70.148644	-2015.56	2008.14
7	GUIDE	573717200	9.28	3112	-0.088	0.192	0.081	0.131	126.642702	71.051410	1417.31	-1948.88

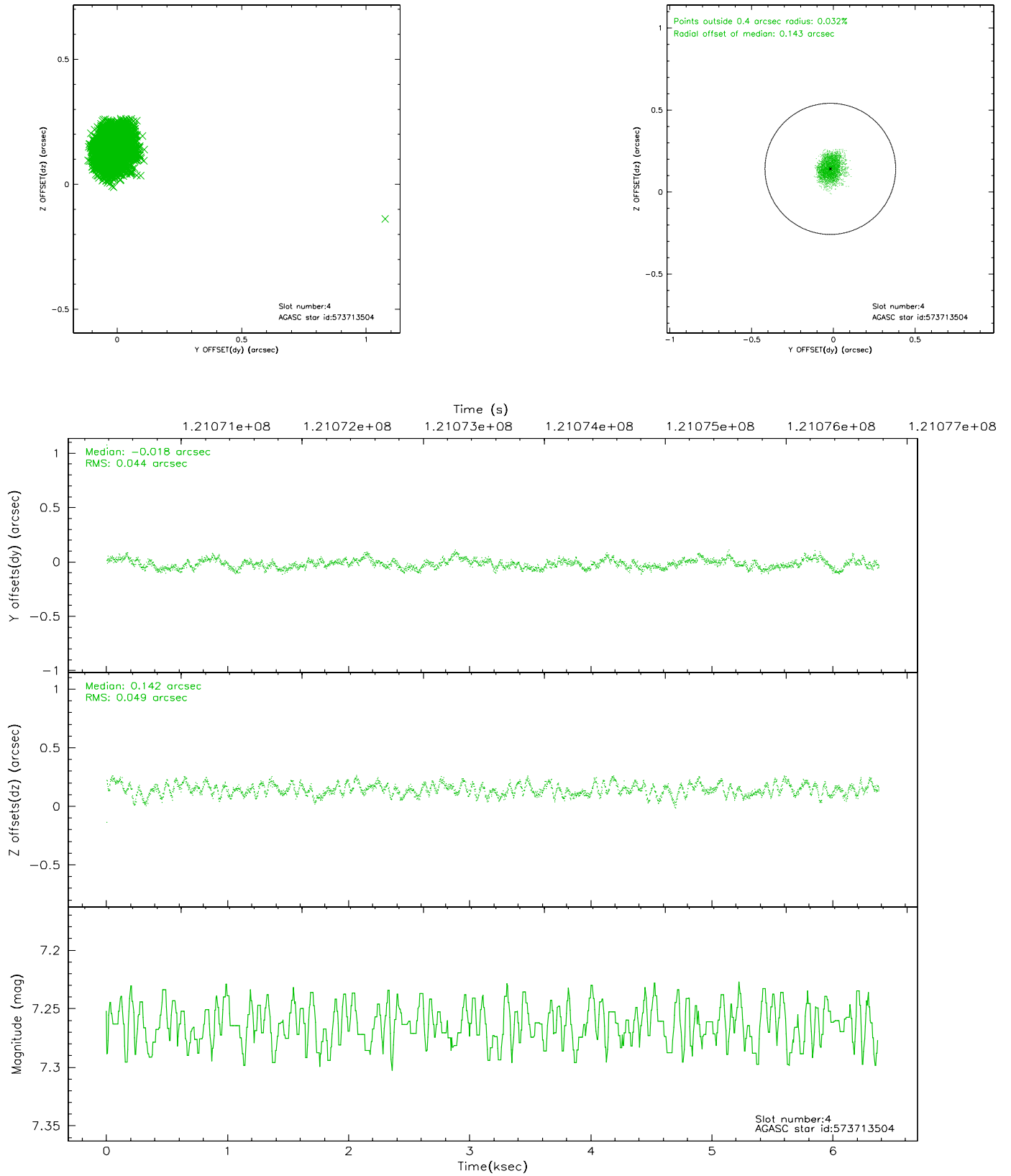


## 2.4 Star Slots

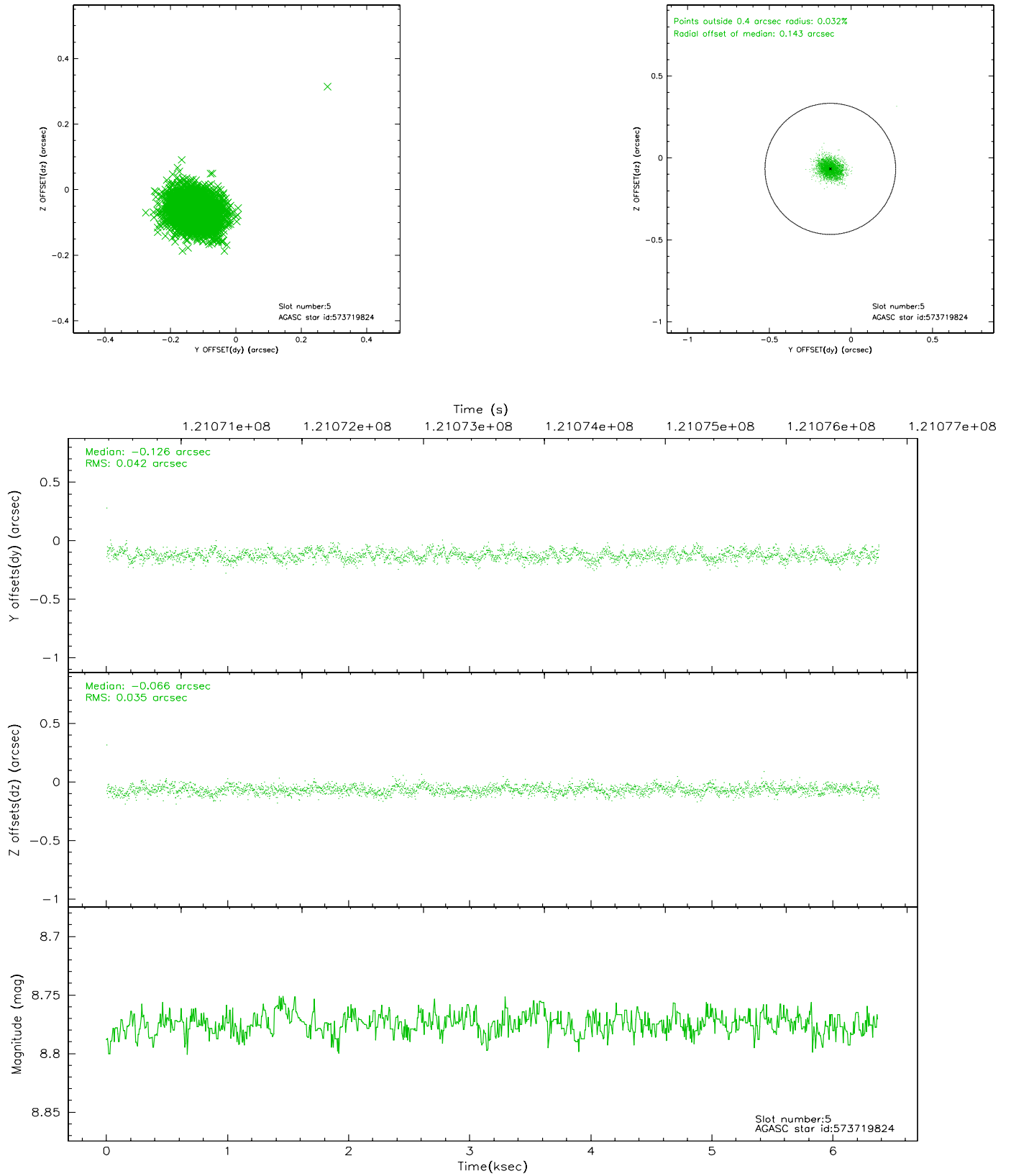
### 2.4.1 Slot 3



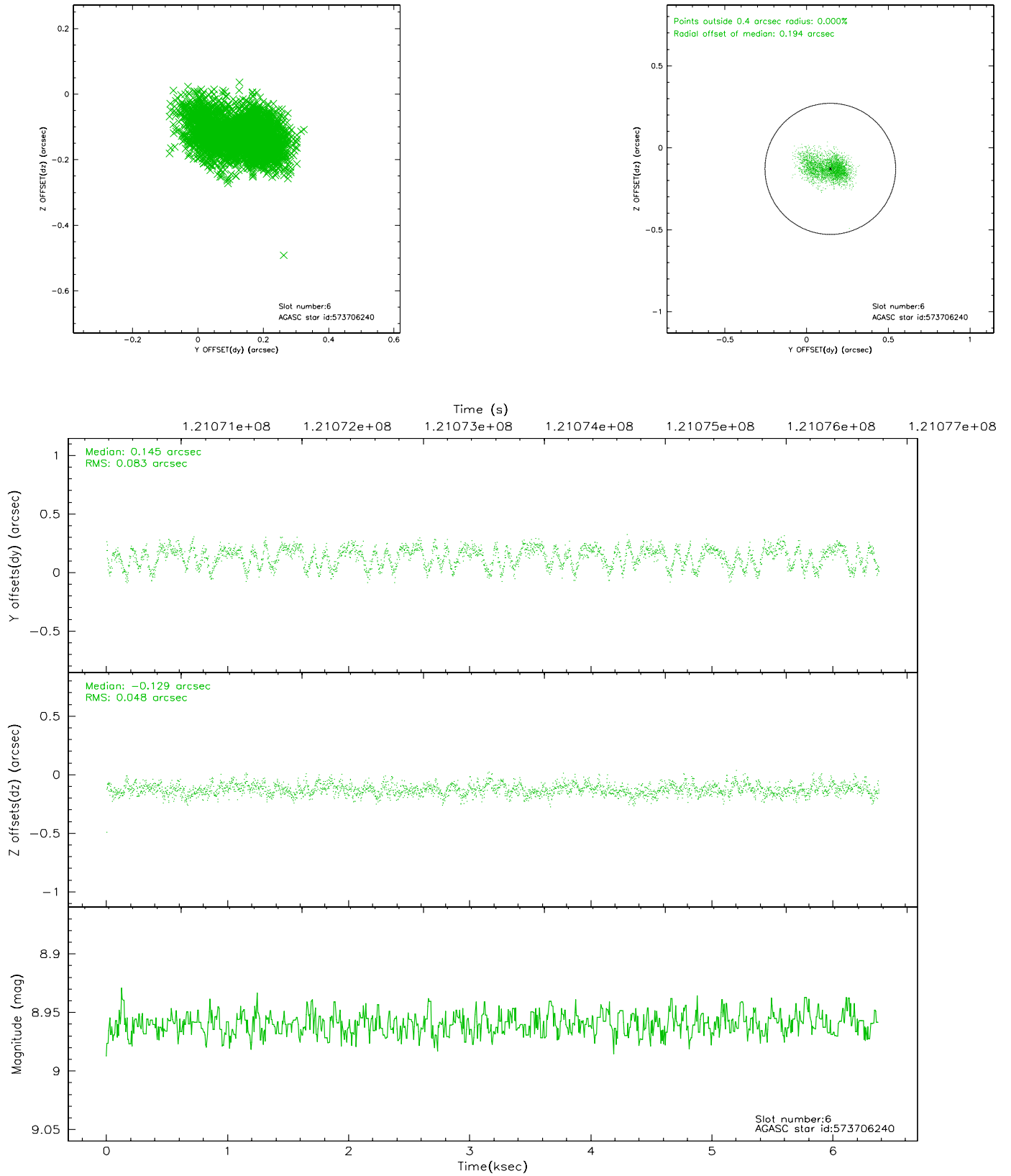
## 2.4.2 Slot 4



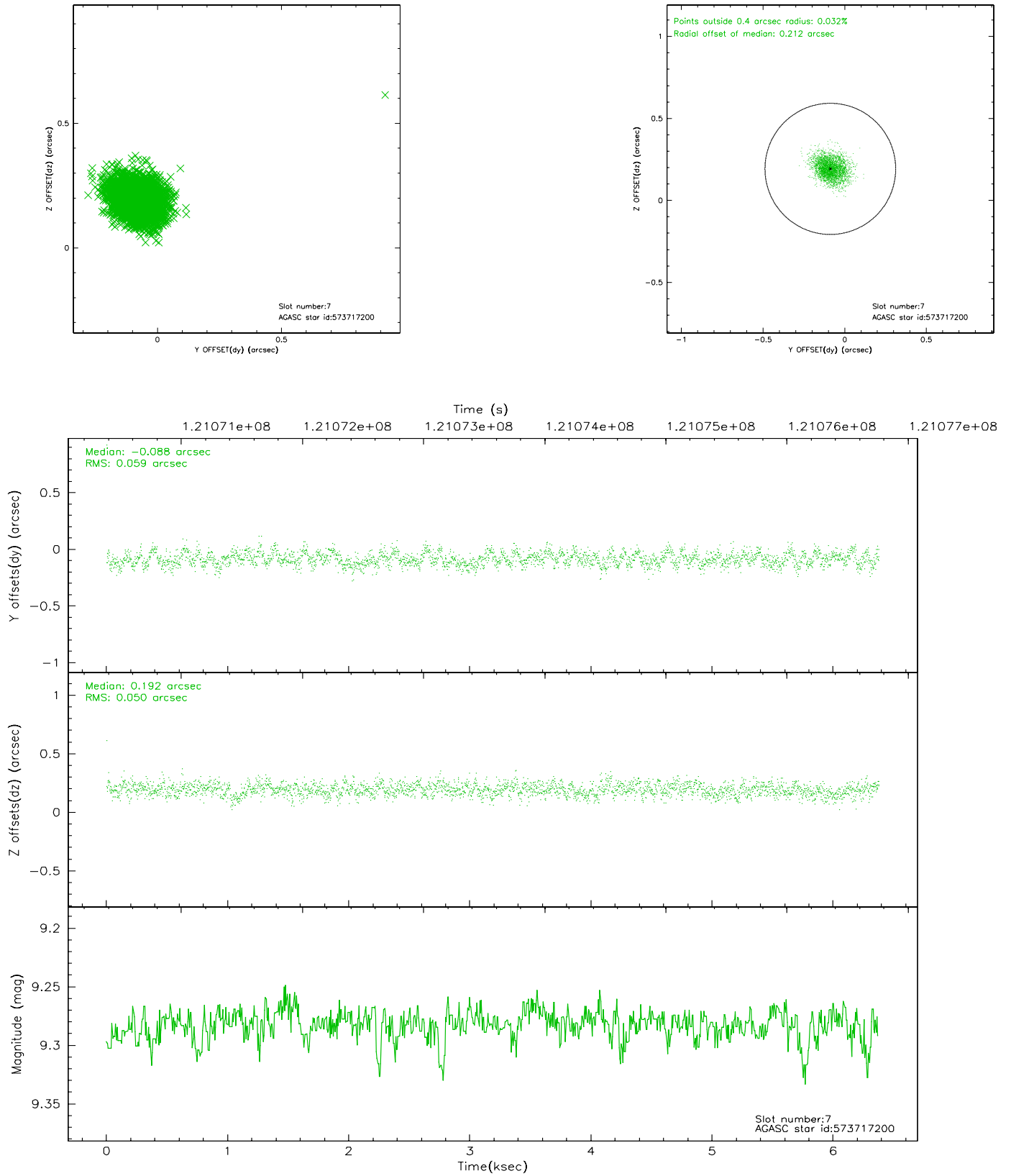
### 2.4.3 Slot 5



## 2.4.4 Slot 6

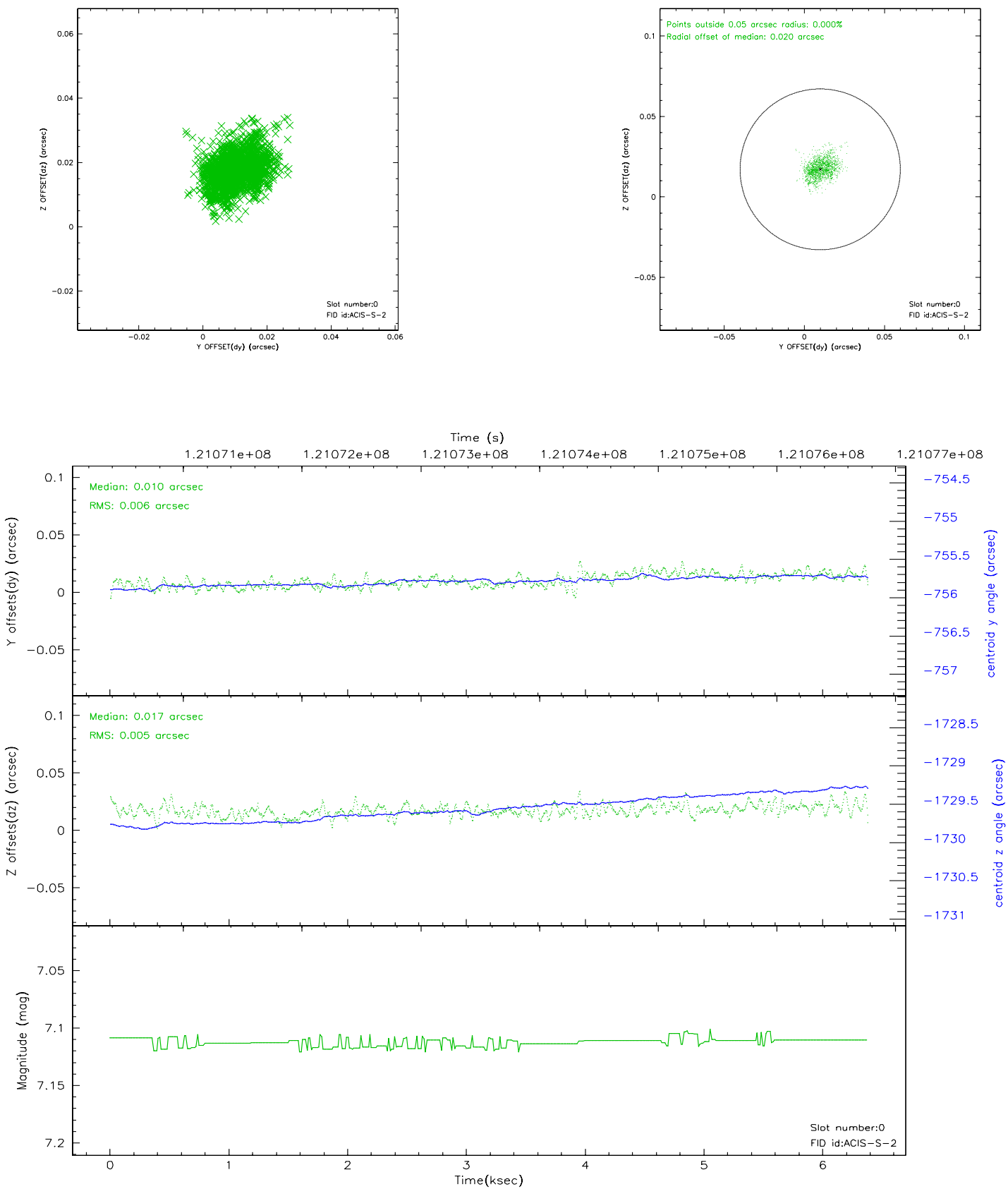


## 2.4.5 Slot 7

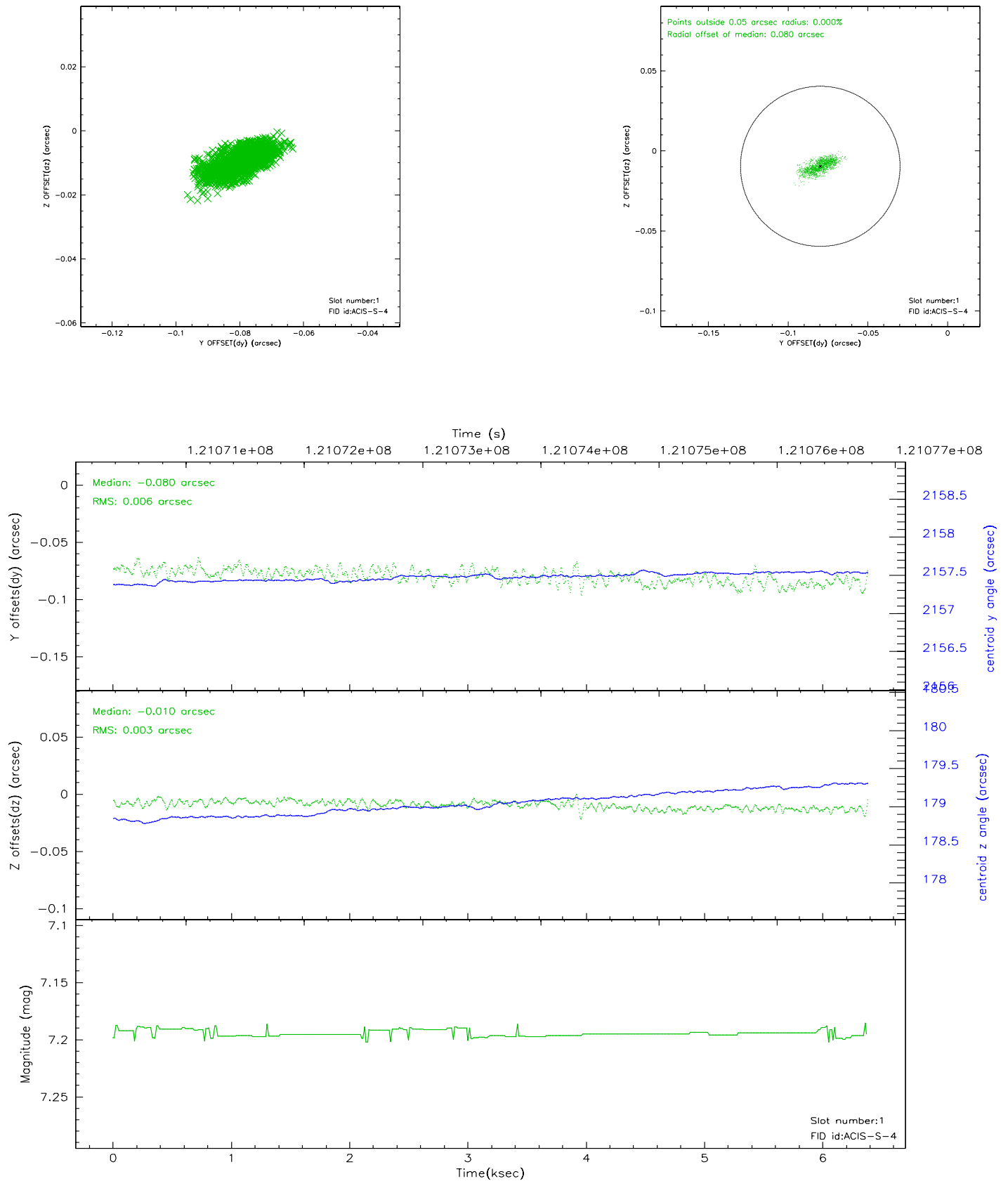


## 2.5 FID Slots

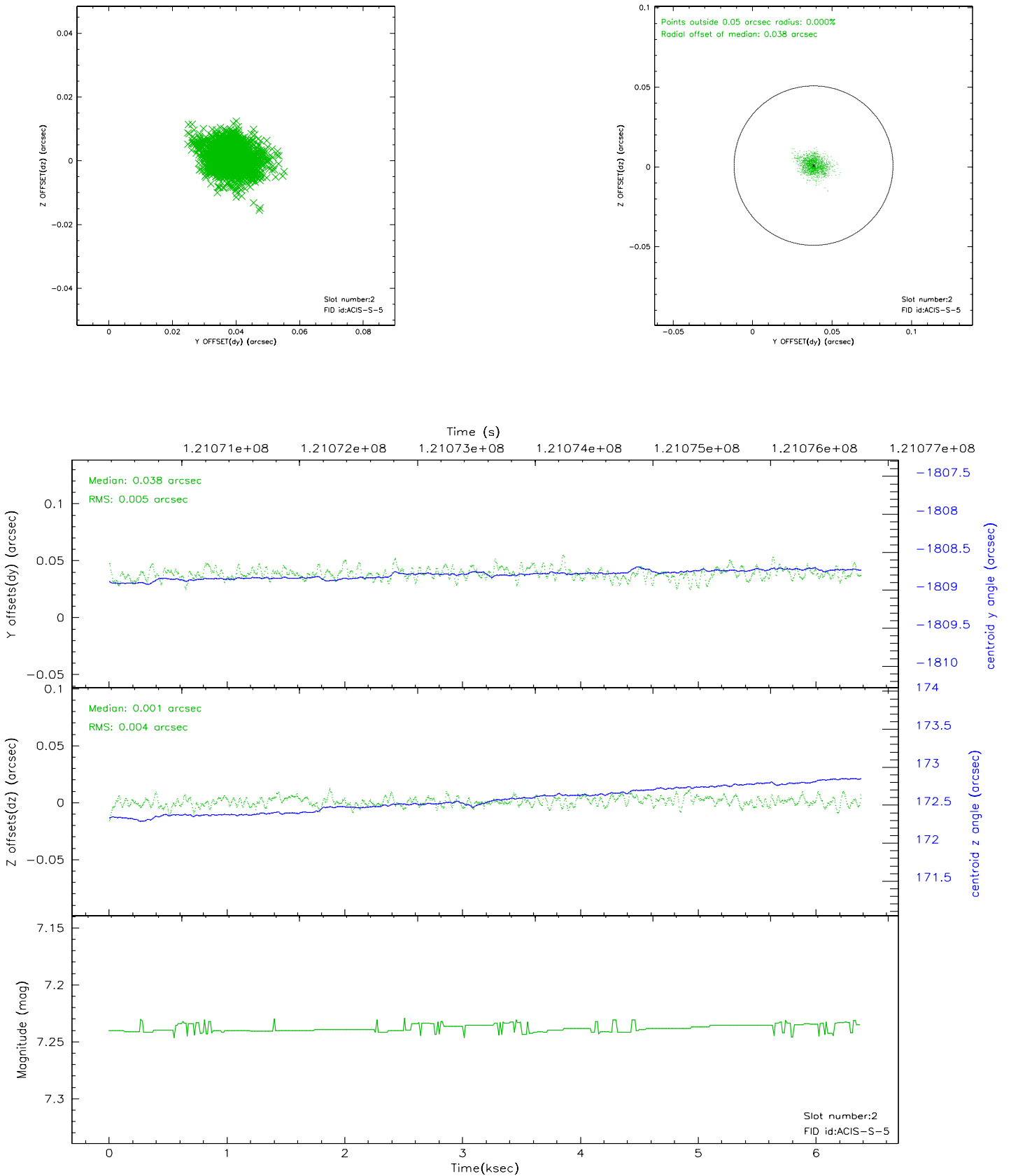
### 2.5.1 Slot 0



## 2.5.2 Slot 1

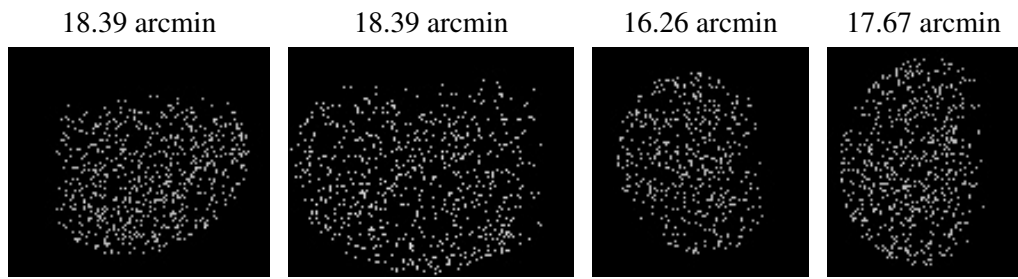


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.336

### A.2 Comments