

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4979 - L2 Version 001  
Chandra X-Ray Center

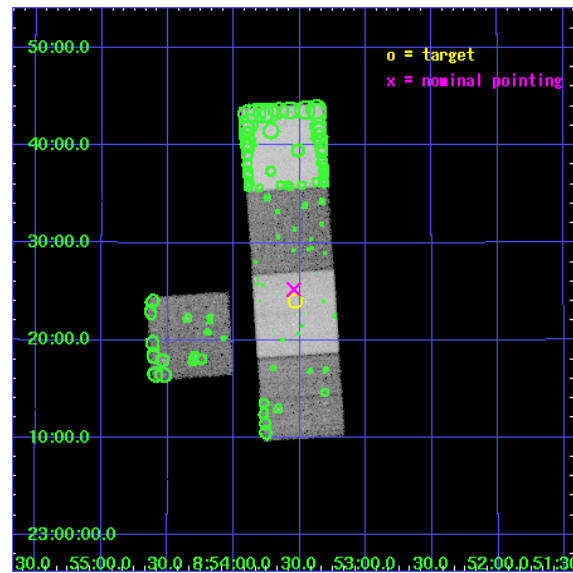
L2 Processing Date : Jun 8 2006

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# 1 Front

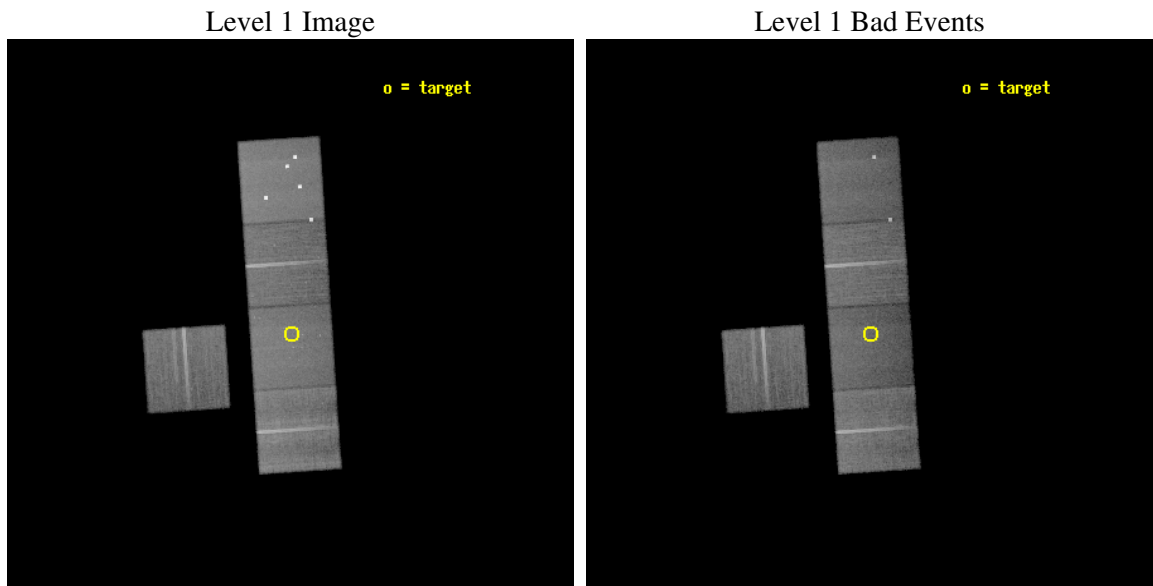
seq_num	800424
obs_id	4979
title	What bends the lobes of WAT radio sources in isolated environments -- are they in fossil groups?
observer	Dr. Elizabeth Blanton
object	0853+2324
dtcycle	0
cycle	P
ra_targ	133.382917
dec_targ	23.4
ra_nom	133.38629447621
dec_nom	23.420499901842
roll_nom	86.144180629829
revision	2
ontime	47185.099909276
livetime	46568.591841796
ontime3	47175.676948667
ontime5	47185.099909276
ontime6	47181.958919019
ontime7	47185.099909276
ontime8	47178.817938805
l2events	326034



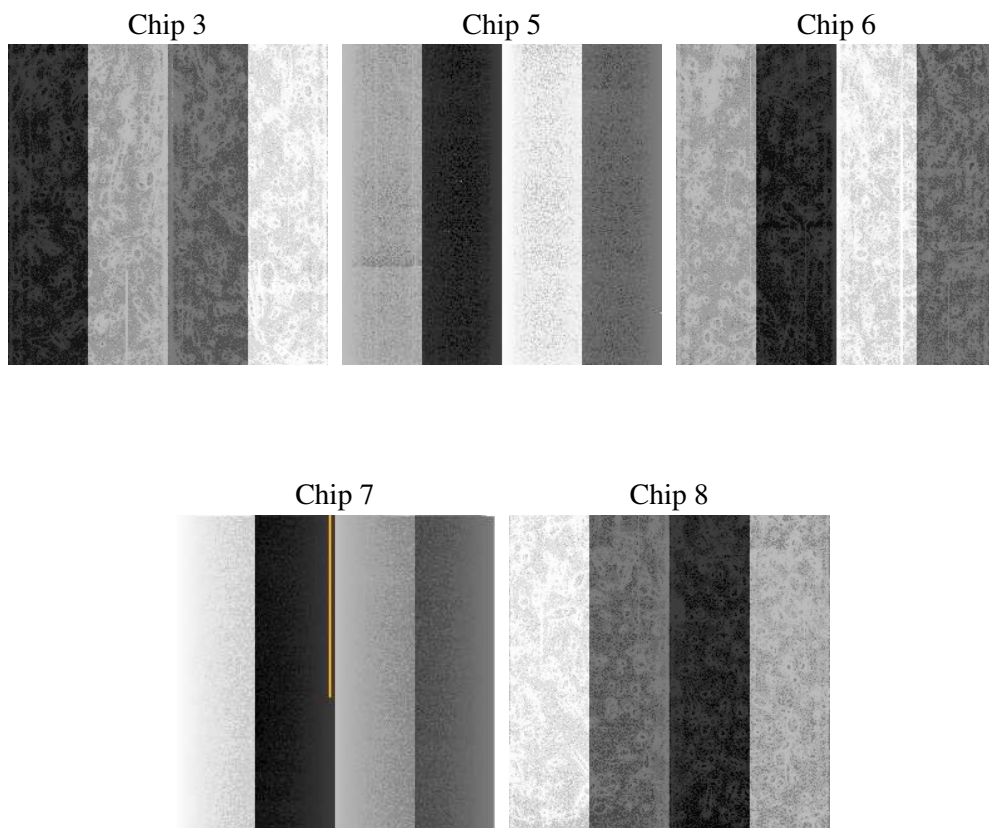
## 2 OBI

### 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	2006-06-08T05:53:38
revision	2

sched_exp_time	47000.000000
ontime	47209.404504597
ontime3	47199.981543988
ontime5	47209.404504597
ontime6	47206.26351434
ontime7	47209.404504597
ontime8	47203.122534126
l1events	1442196

### 2.1.4 Events

	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	234307	377990	252133	272275	305491
rejected events	211063	178953	225785	157727	236132
rejected %	90%	47%	89%	57%	77%

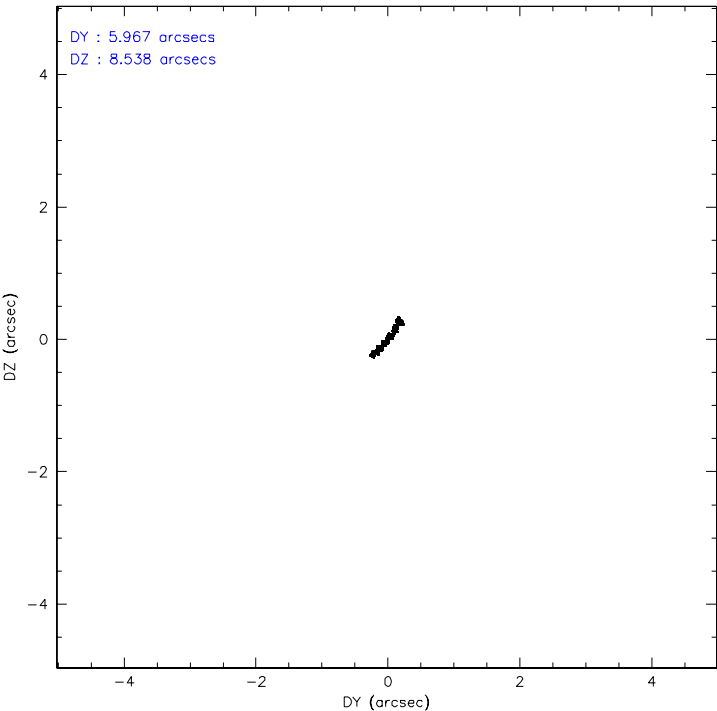
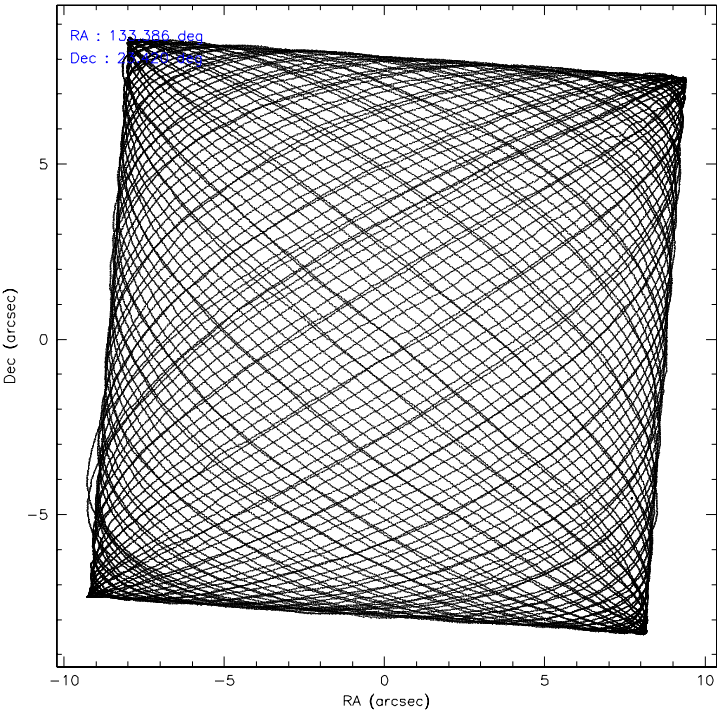
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	8440	46040	9604	7125	20906
	3%	12%	3%	2%	6%
grade 1 events	115	4557	126	116	214
	0%	1%	0%	0%	0%
grade 2 events	4767	53252	5430	28228	15399
	2%	14%	2%	10%	5%
grade 3 events	2797	5032	2927	6767	7615
	1%	1%	1%	2%	2%
grade 4 events	2627	4805	2912	6621	7175
	1%	1%	1%	2%	2%
grade 5 events	9292	19048	9927	20409	13830
	3%	5%	3%	7%	4%
grade 6 events	4623	90014	5490	65865	18298
	1%	23%	2%	24%	5%
grade 7 events	201646	155242	215717	137144	222054
	86%	41%	85%	50%	72%

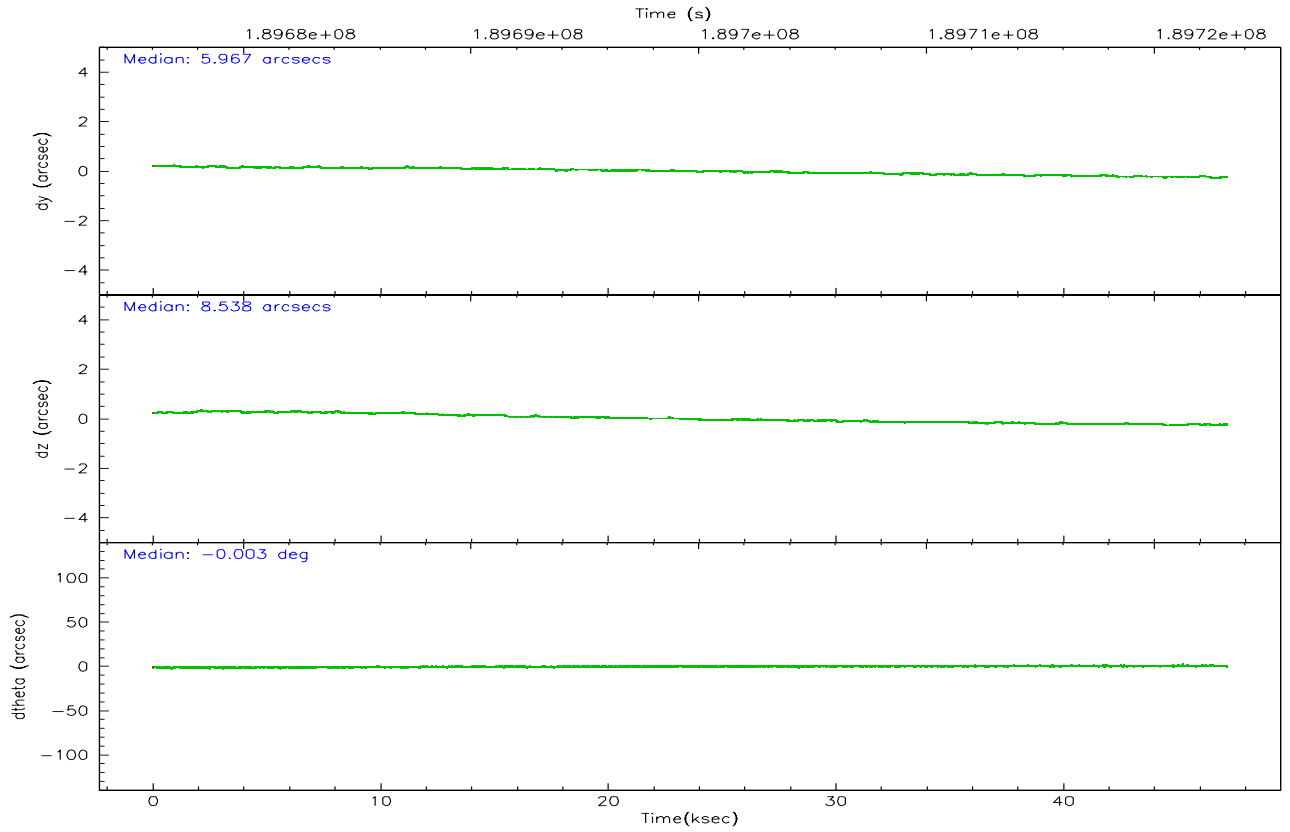
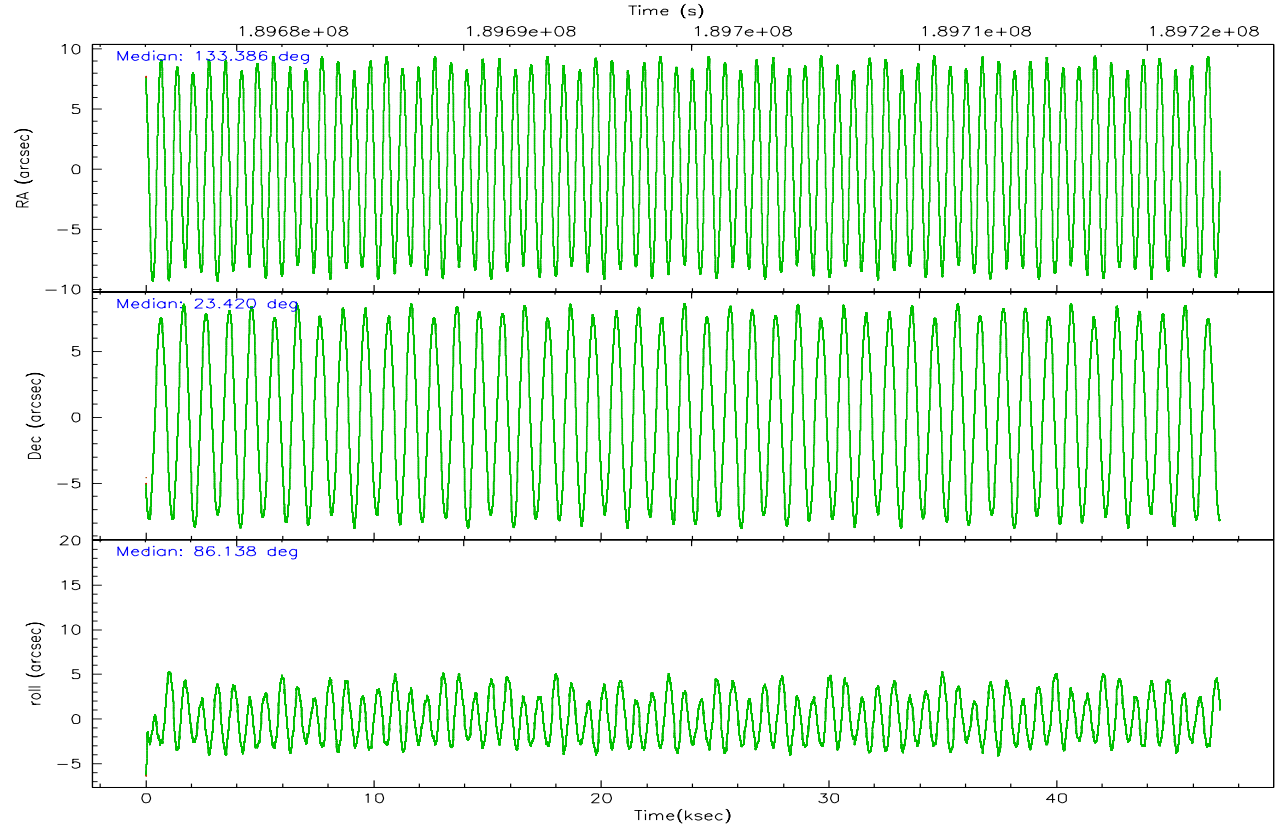


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-35678	ACIS-35678	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	133.399740	133.3862944762112	Alternating exposures requested	N	N
Pointing Dec	23.396243	23.4204999018422	Primary exposure time	0.000000	3.1
Pointing Roll	85.982206	86.14418062982908			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	189676223.184000	189675210.63917			
Observation start date	2004-01-05T07:49:19	2004-01-05T07:33:30			
Observation end time	189723223.184000	189723770.52878			
Observation end date	2004-01-05T20:52:39	2004-01-05T21:02:50			
Read mode	TIMED	TIMED			

2.3 Aspect



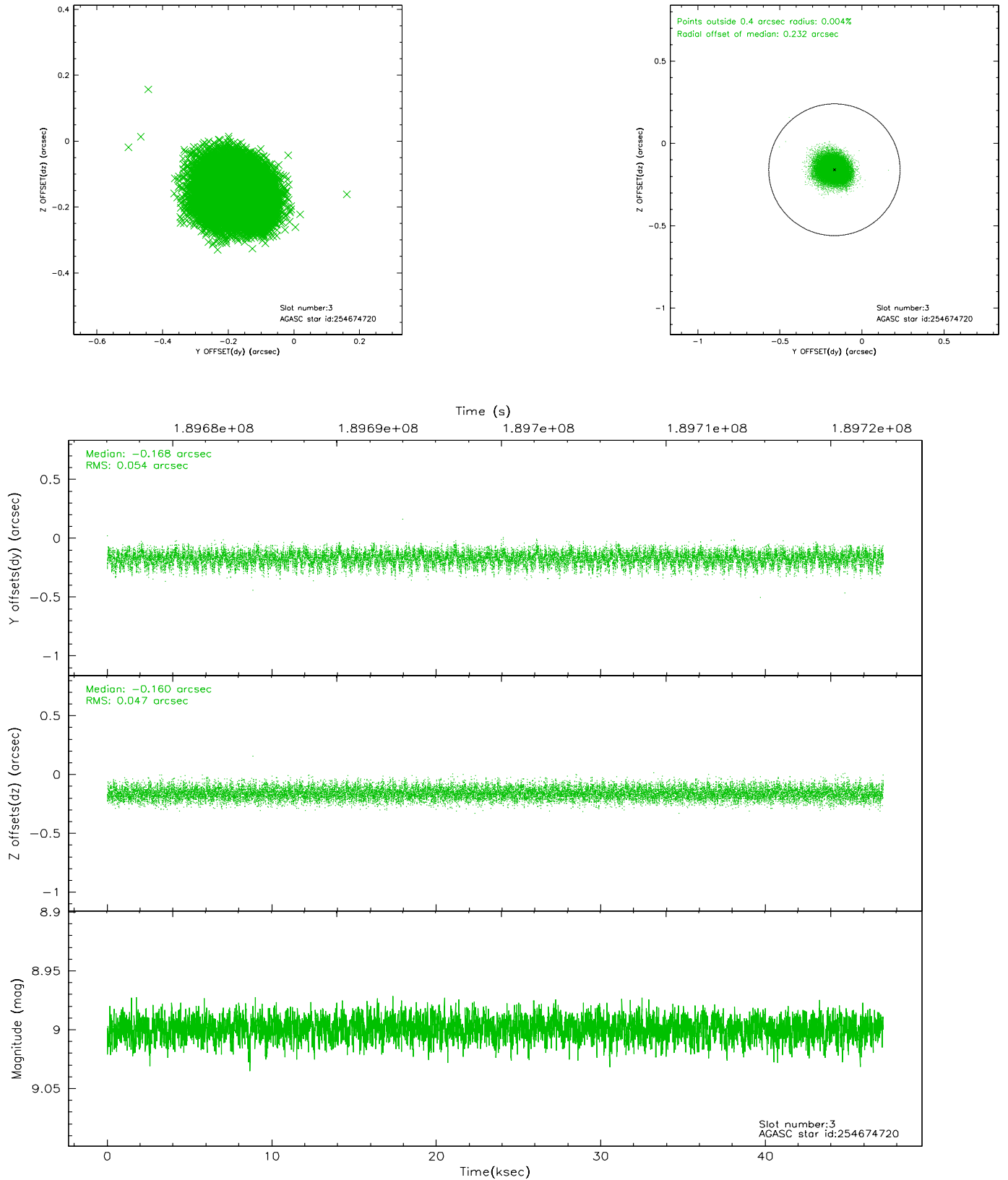


### Slot Statistics

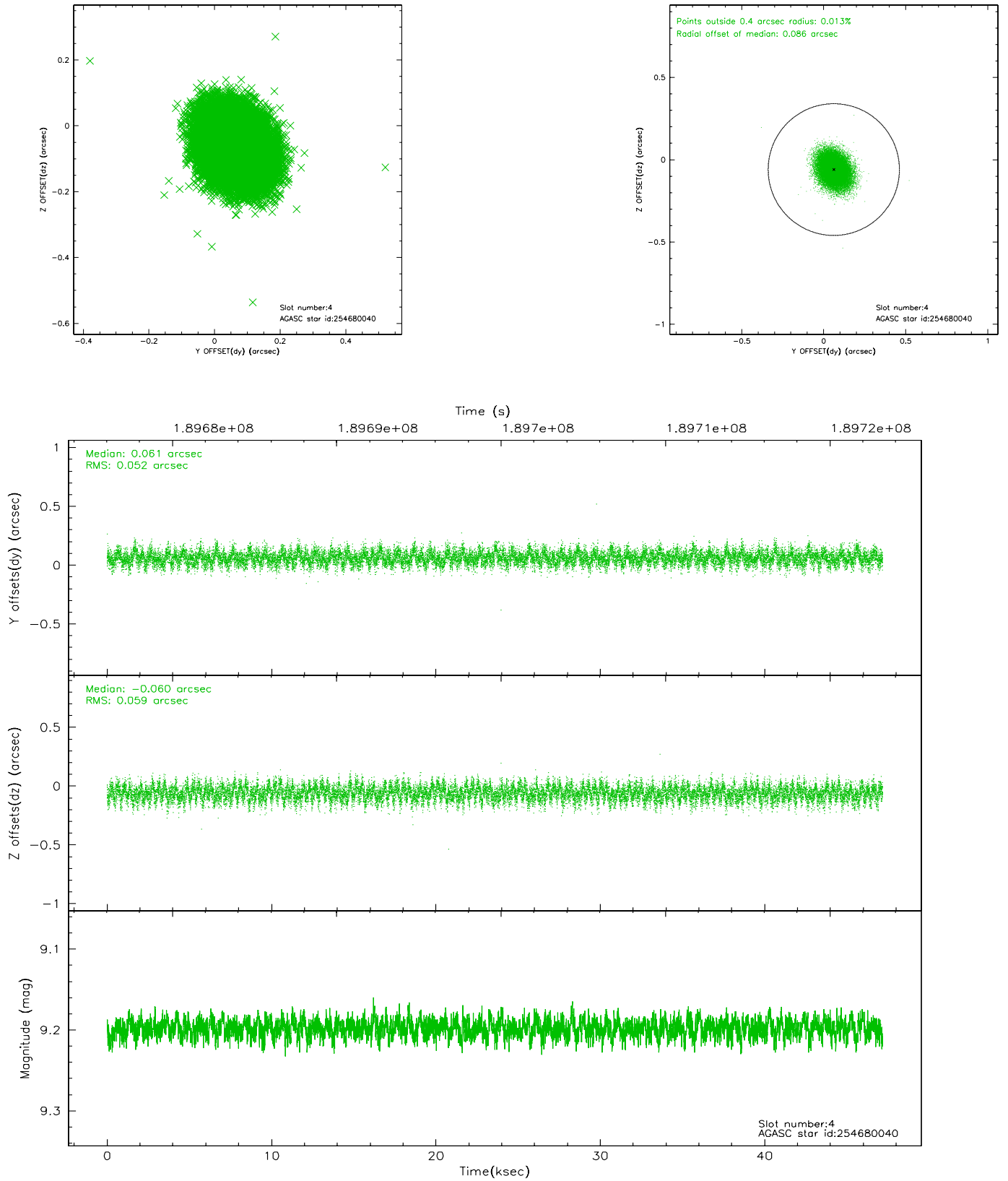
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	11510	-0.026	-0.020	0.007	0.012	0.000000	0.000000	-758.73	-1729.77
1	FID	ACIS-S-4	7.21	11509	0.031	0.018	0.005	0.009	0.000000	0.000000	2154.63	178.73
2	FID	ACIS-S-5	7.23	11508	-0.036	0.011	0.007	0.011	0.000000	0.000000	-1811.57	172.42
3	GUIDE	254674720	9.00	23005	-0.168	-0.160	0.077	0.123	132.962130	23.456817	118.33	1457.12
4	GUIDE	254680040	9.20	23012	0.061	-0.060	0.083	0.134	133.246944	23.295666	-396.07	478.70
5	GUIDE	254685840	9.13	23013	0.172	0.079	0.070	0.114	133.477735	22.755045	-2284.05	-420.04
6	GUIDE	255590664	9.13	23012	-0.037	0.110	0.087	0.141	134.050327	23.243846	-391.37	-2184.69
7	GUIDE	255594224	9.23	23011	-0.029	0.028	0.092	0.153	134.104634	23.947946	2149.81	-2173.66

## 2.4 Star Slots

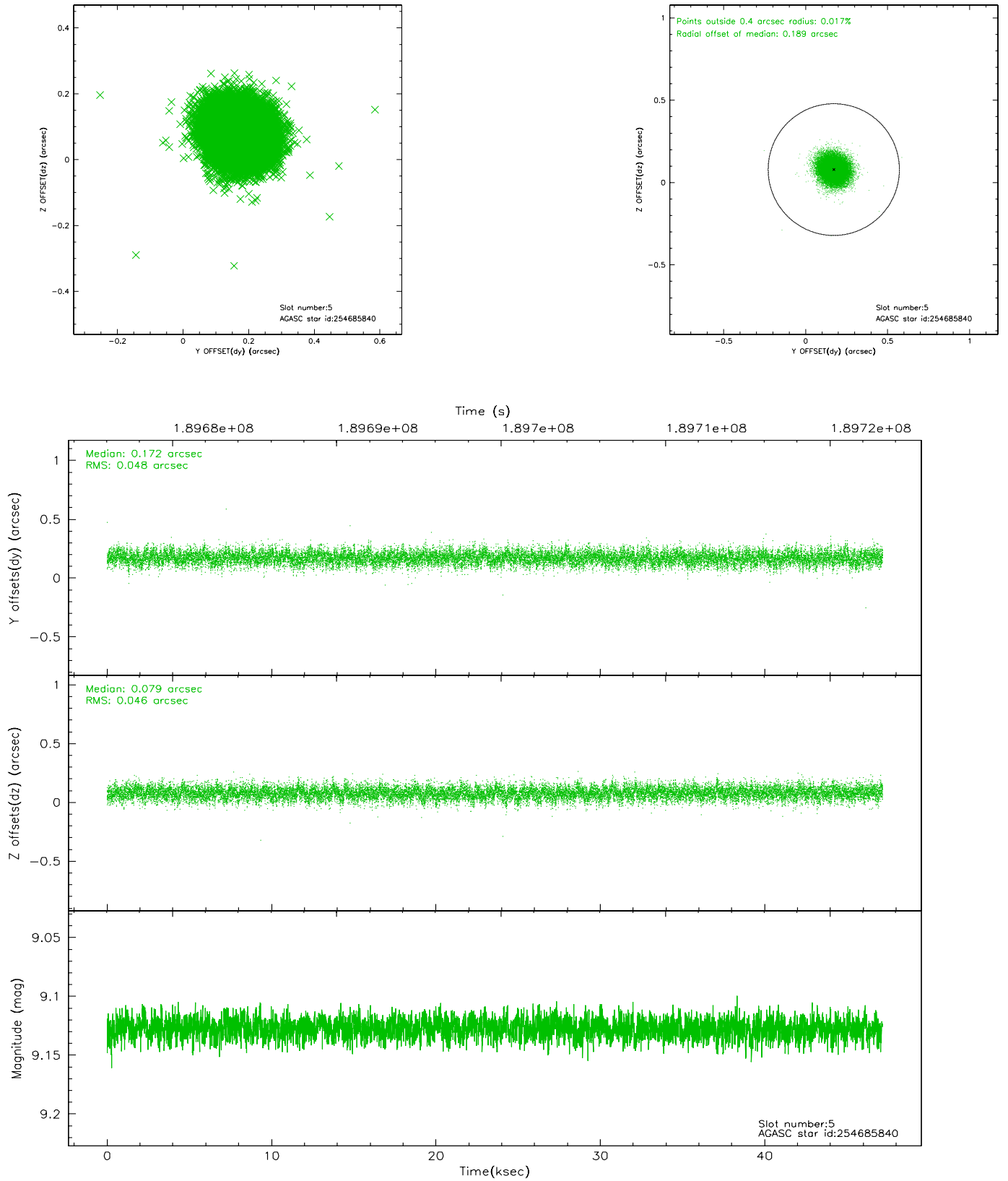
### 2.4.1 Slot 3



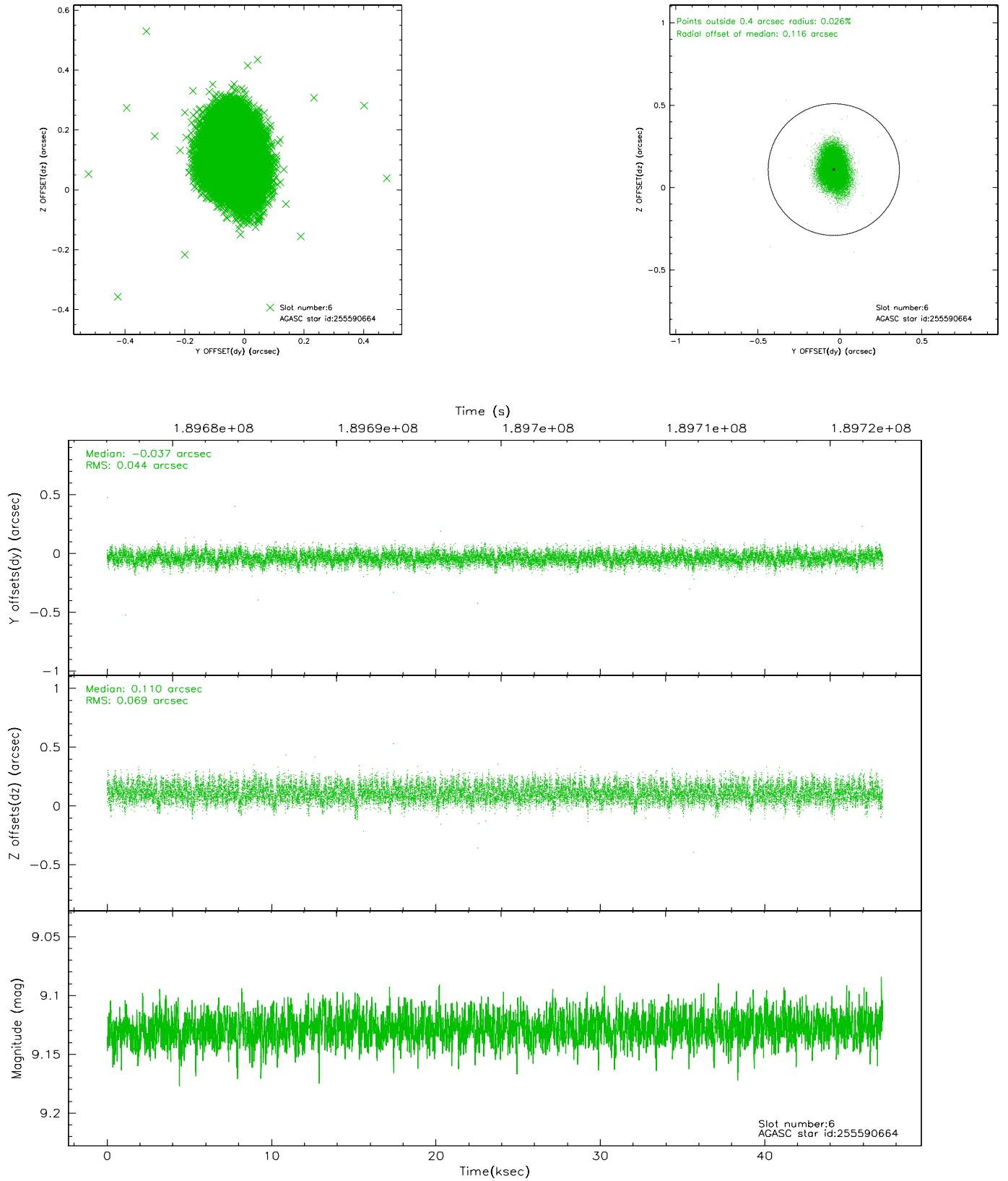
## 2.4.2 Slot 4



### 2.4.3 Slot 5

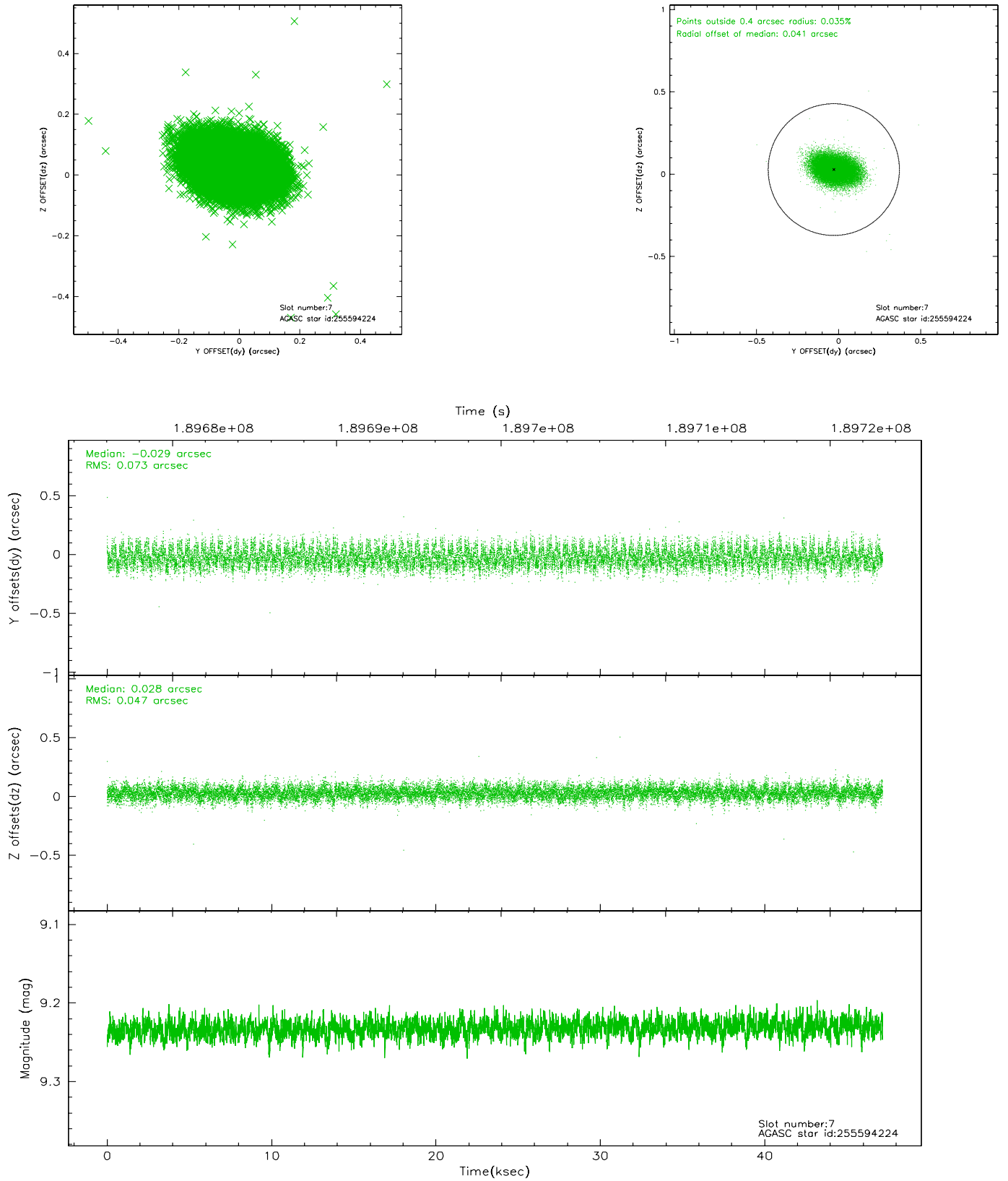


## 2.4.4 Slot 6



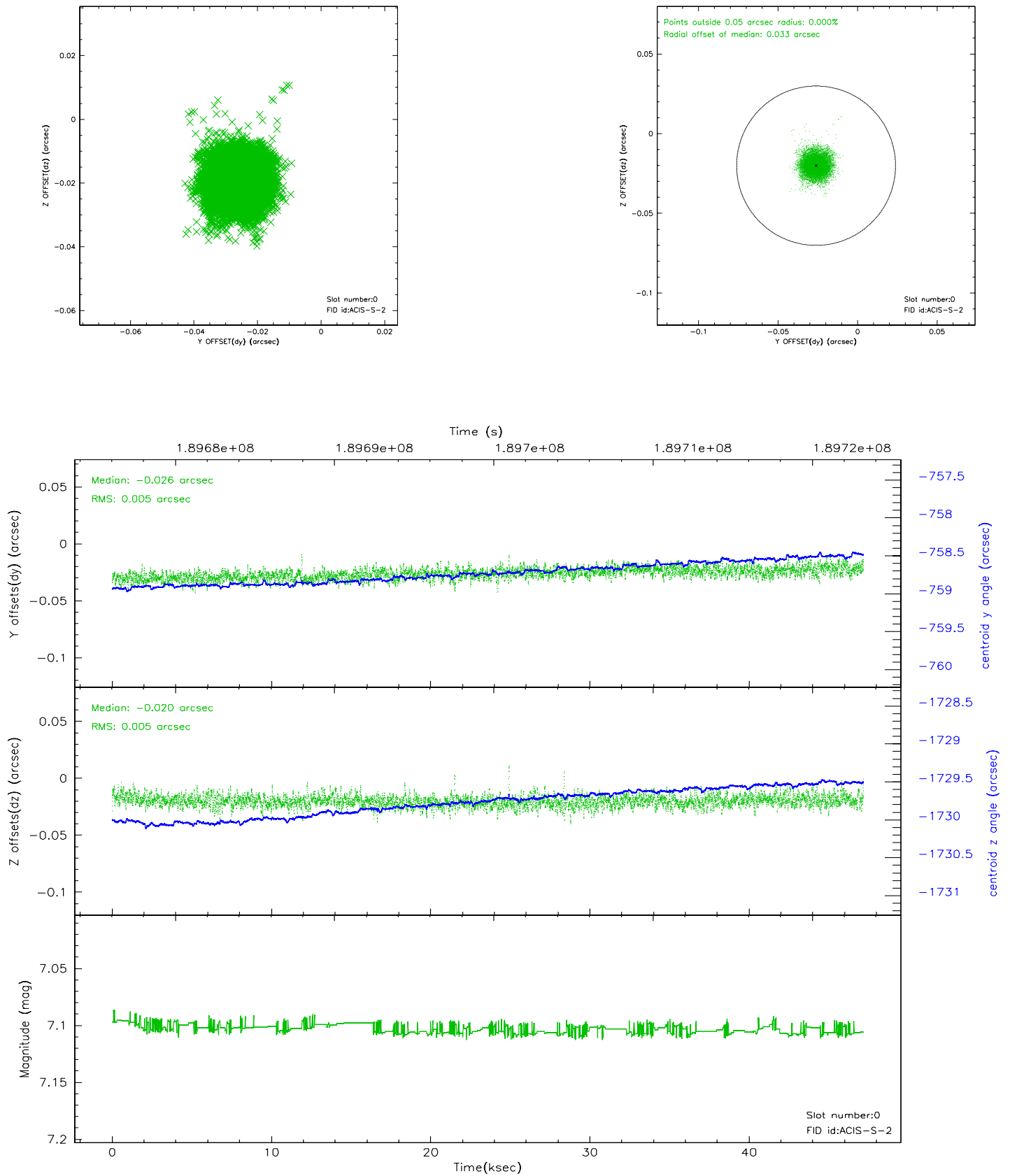


## 2.4.5 Slot 7

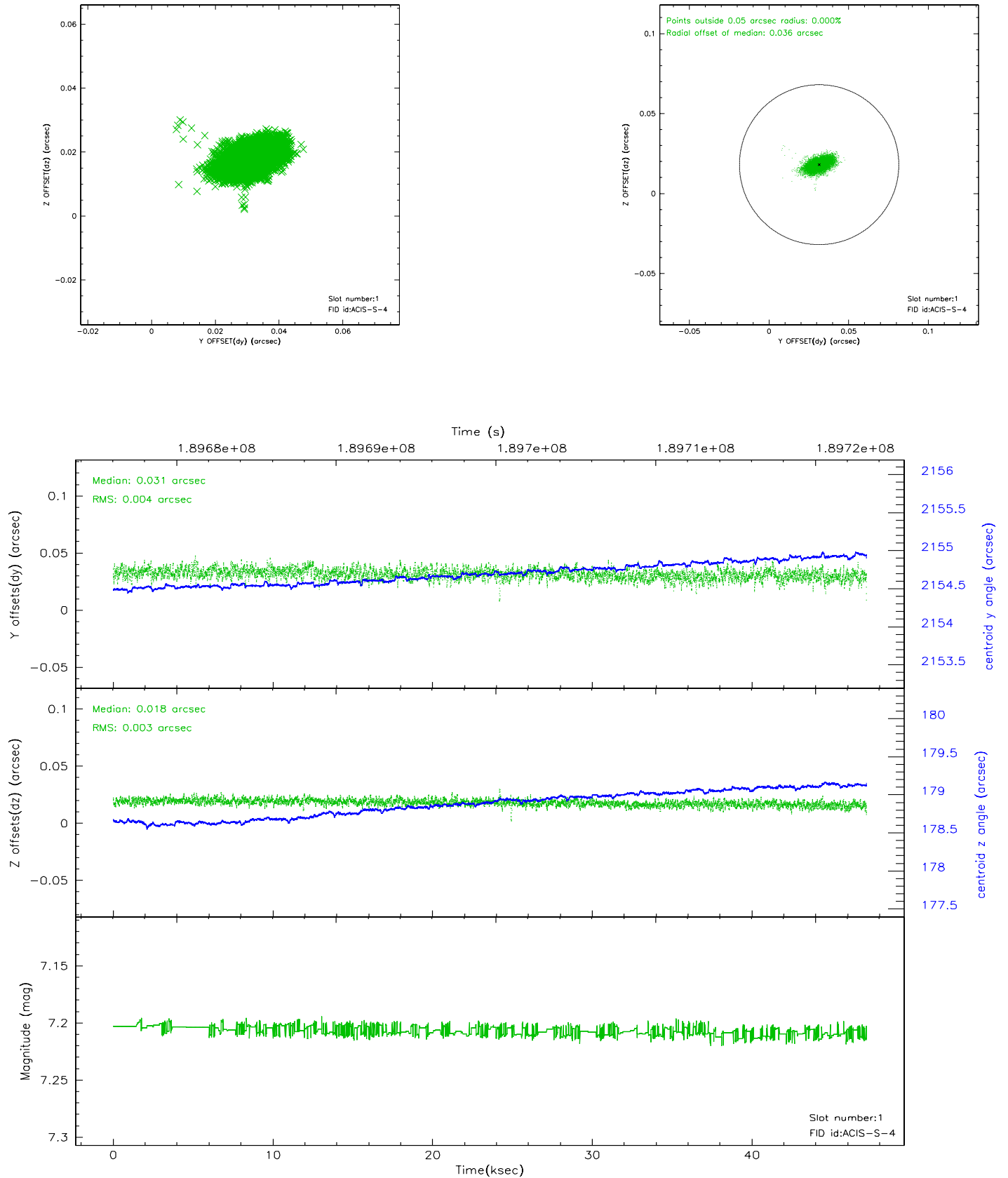


## 2.5 FID Slots

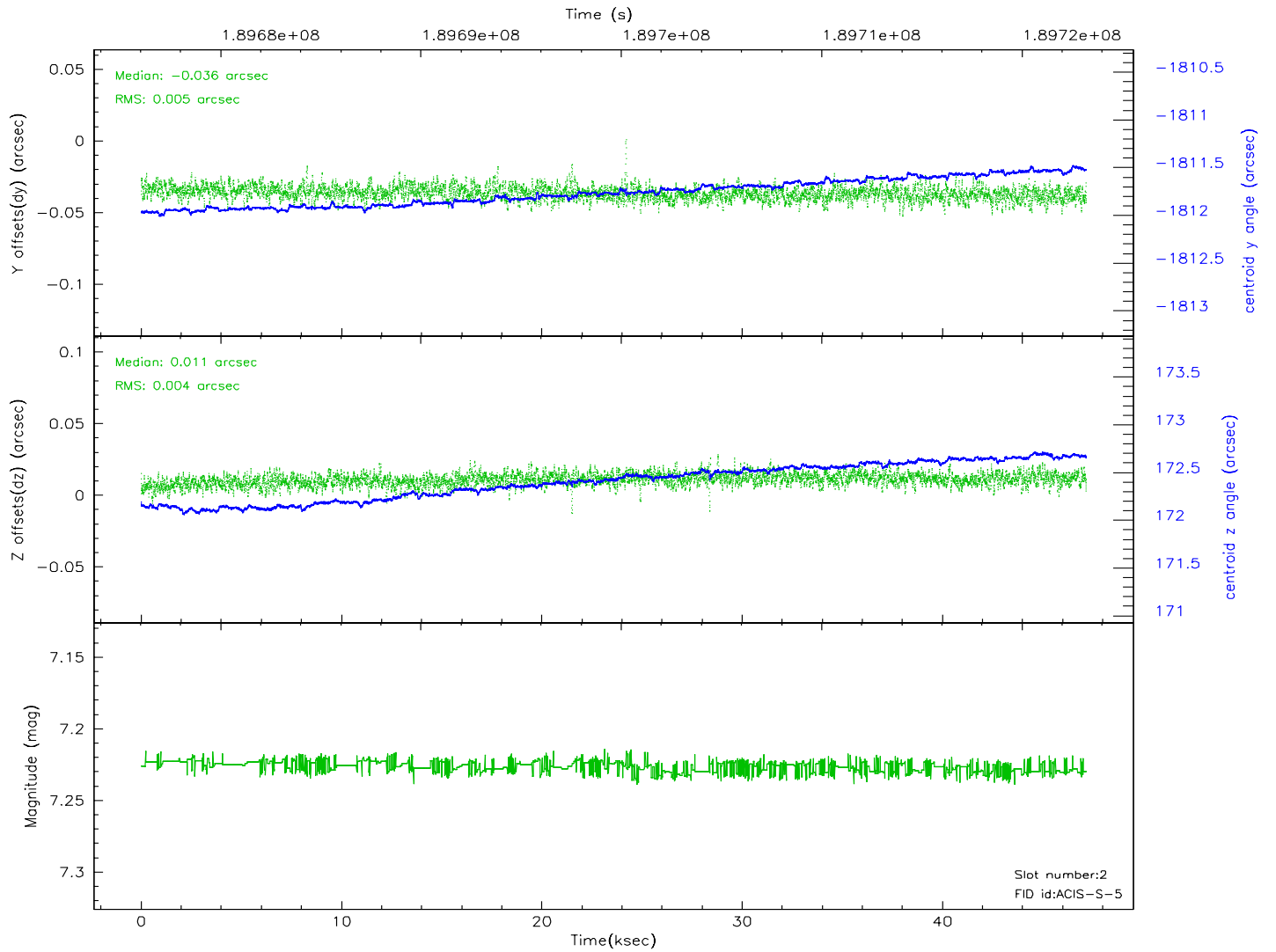
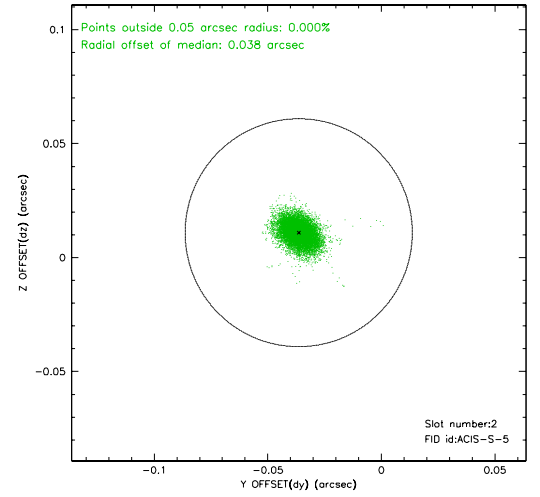
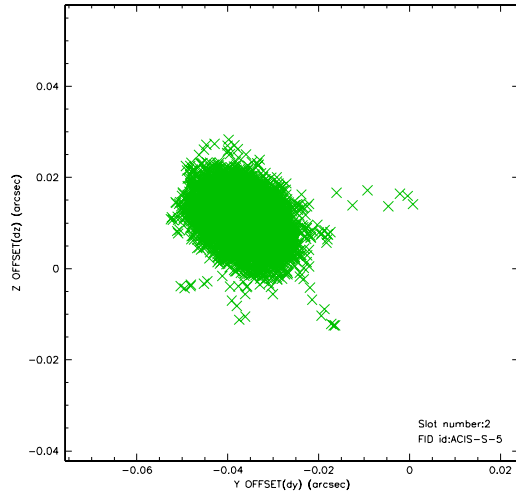
### 2.5.1 Slot 0



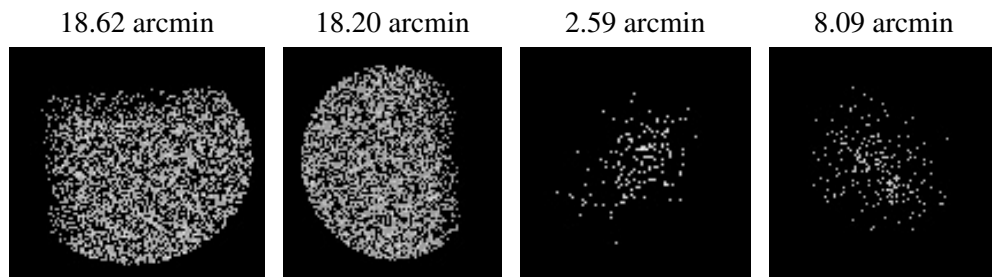
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.185

### A.2 Comments