

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3127 - L2 Version 001  
Chandra X-Ray Center

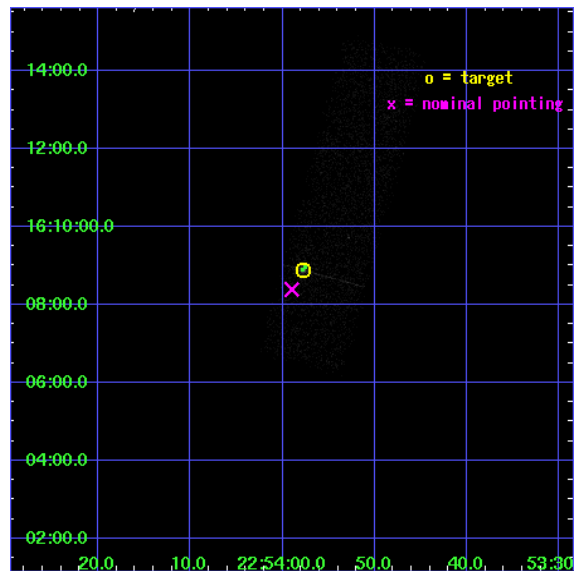
L2 Processing Date : Oct 11 2006

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# 1 Front

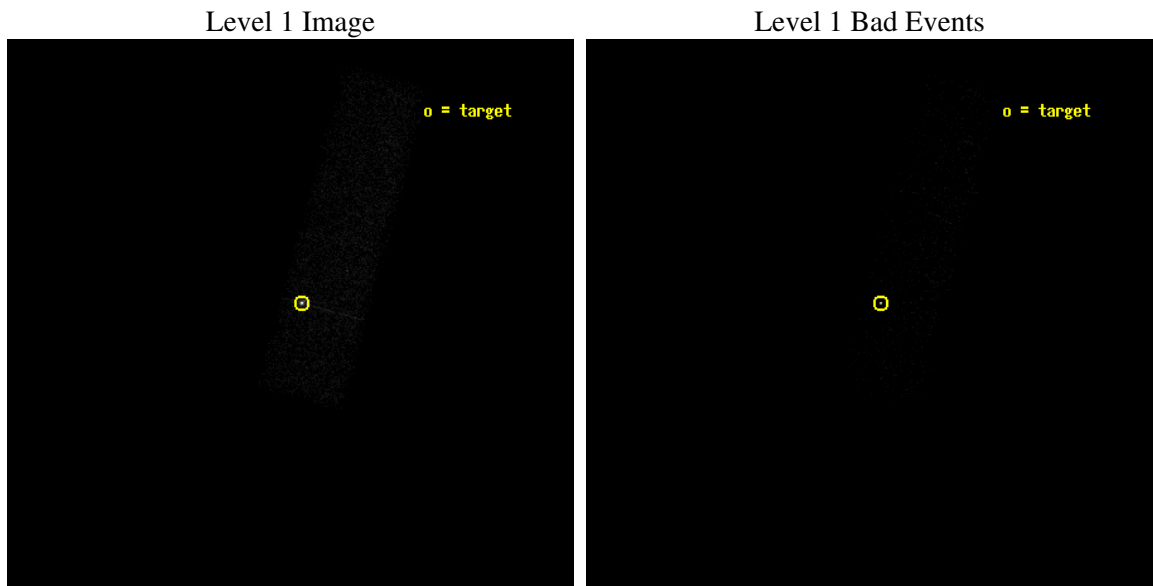
seq_num	700566
obs_id	3127
title	A COMPLETE SURVEY FOR X-RAY EMISSION FROM RADIO JETS
observer	Dr. Herman Marshall
object	2251+158
dtcycle	0
cycle	P
ra_targ	343.490417
dec_targ	16.148222
ra_nom	343.49583418274
dec_nom	16.139831494071
roll_nom	285.15505330015
revision	2
ontime	5182.359057188
livetime	4929.4768925978
ontime7	5182.359057188
l2events	9510



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-12T01:51:16
revision	2

sched_exp_time	5000.000000
ontime	6248.8573798835
ontime7	6248.8573798835
l1events	19462

### 2.1.4 Events

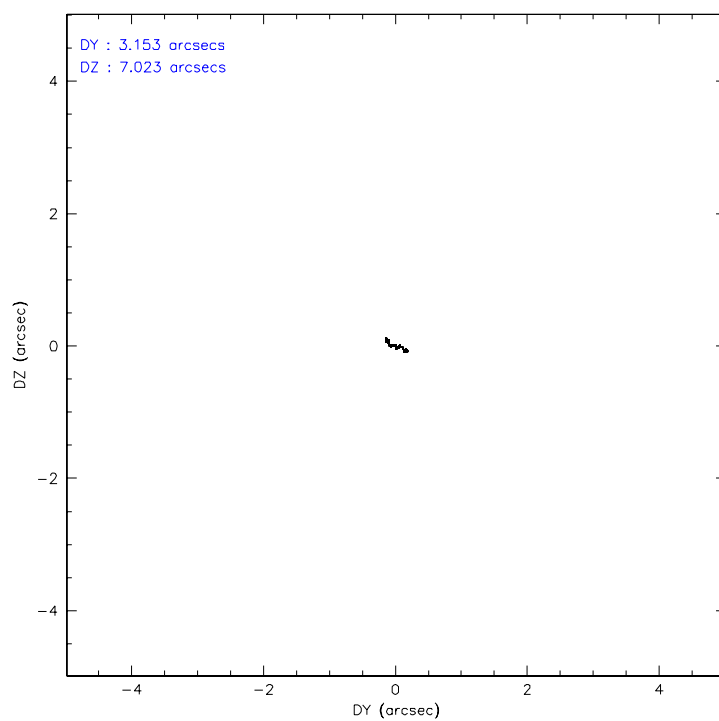
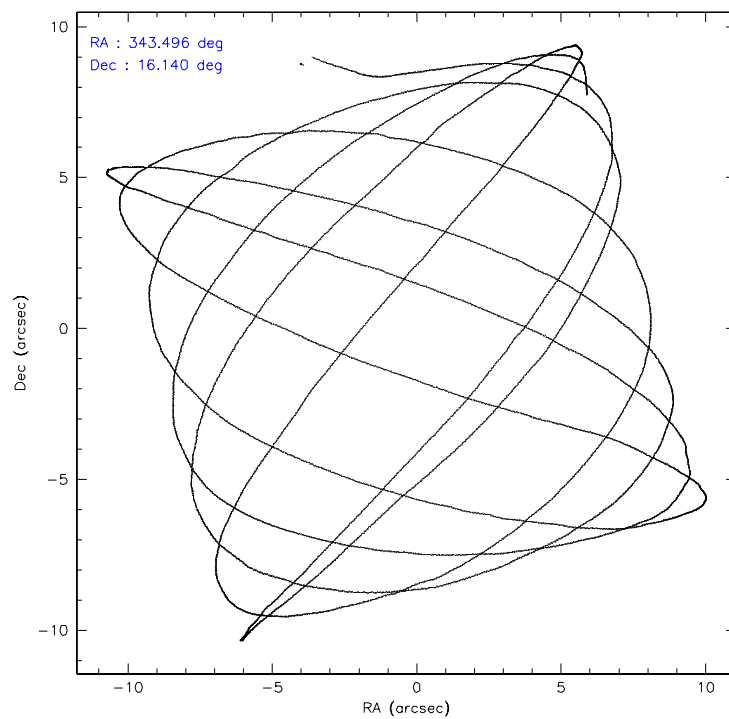
	<b>ccd 7</b>
level 1 events	19462
rejected events	9806
rejected %	50%

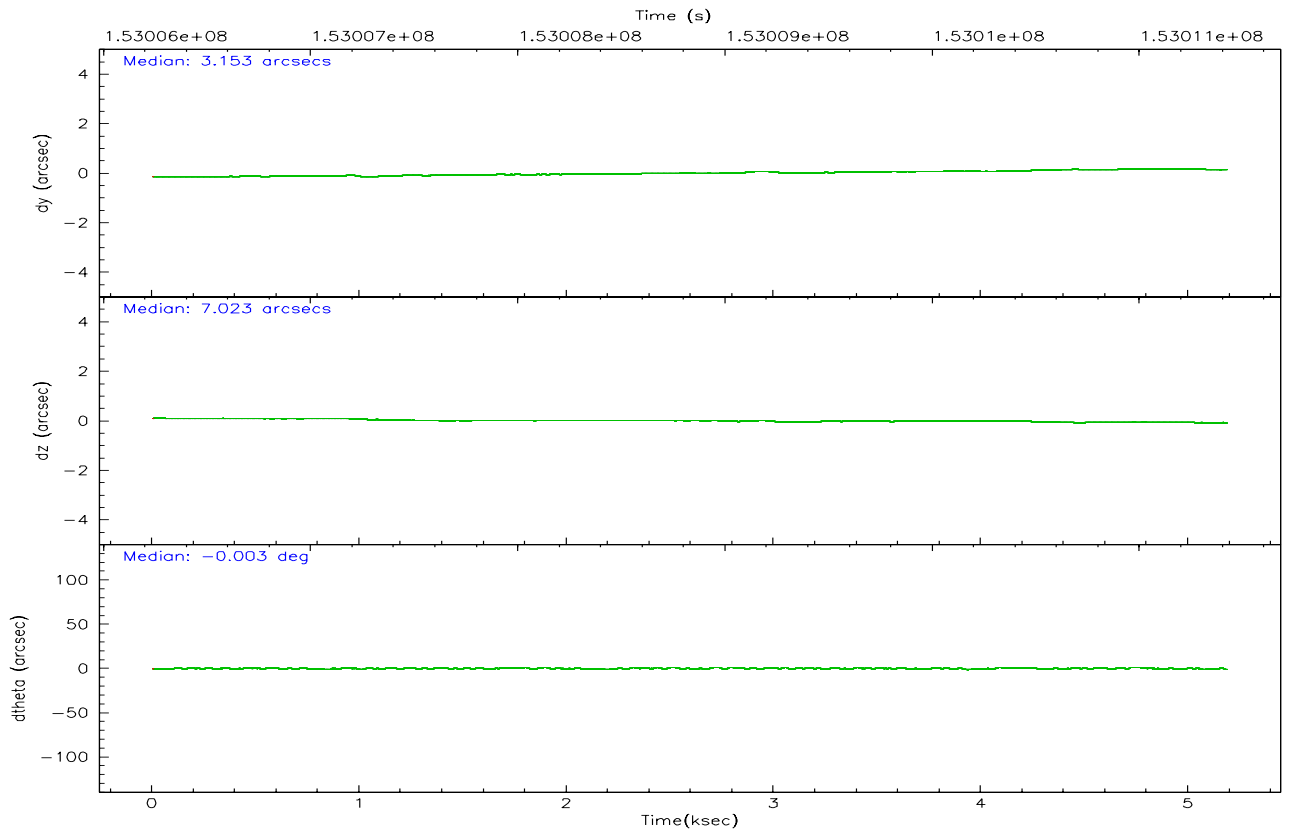
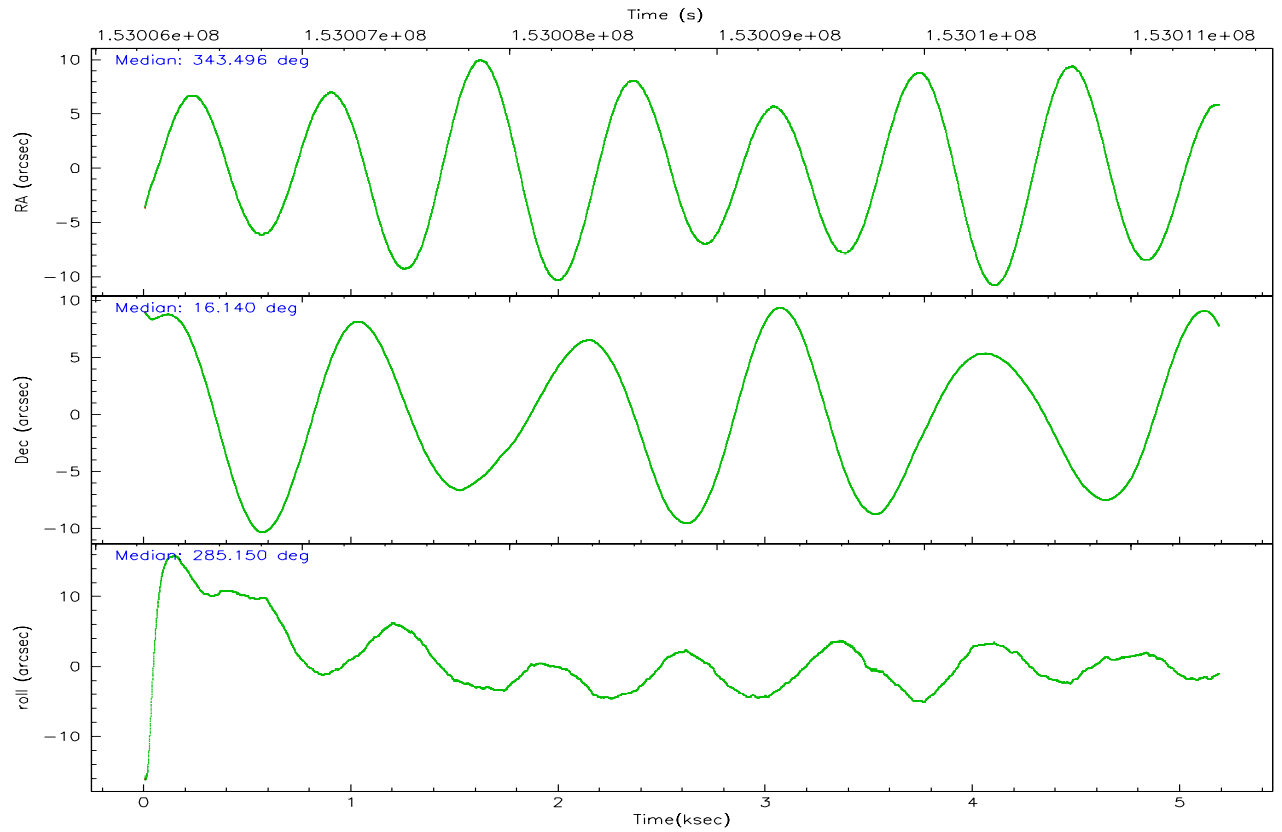
	<b>ccd 7</b>
grade 0 events	1248
	6%
grade 1 events	91
	0%
grade 2 events	2301
	11%
grade 3 events	1036
	5%
grade 4 events	926
	4%
grade 5 events	1553
	7%
grade 6 events	5128
	26%
grade 7 events	7179
	36%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	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	343.475397	343.4958341827391	Subarray requested	CUSTOM	1/4
Pointing Dec	16.158677	16.13983149407104	Subarray start row	1	1
Pointing Roll	285.004178	285.1550533001512	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	0.000000	0.8
SIM translation stage pos (mm)	-178.632523	-178.6370735452349			
SIM translation stage offset (mm)	-11.5	-11.49544903777291			
Observation start time	153006431.184000	153005182.18129			
Observation start date	2002-11-06T21:46:07	2002-11-06T21:26:22			
Observation end time	153011431.184000	153012148.59408			
Observation end date	2002-11-06T23:09:27	2002-11-06T23:22:28			
Read mode	TIMED	TIMED			

## 2.3 Aspect





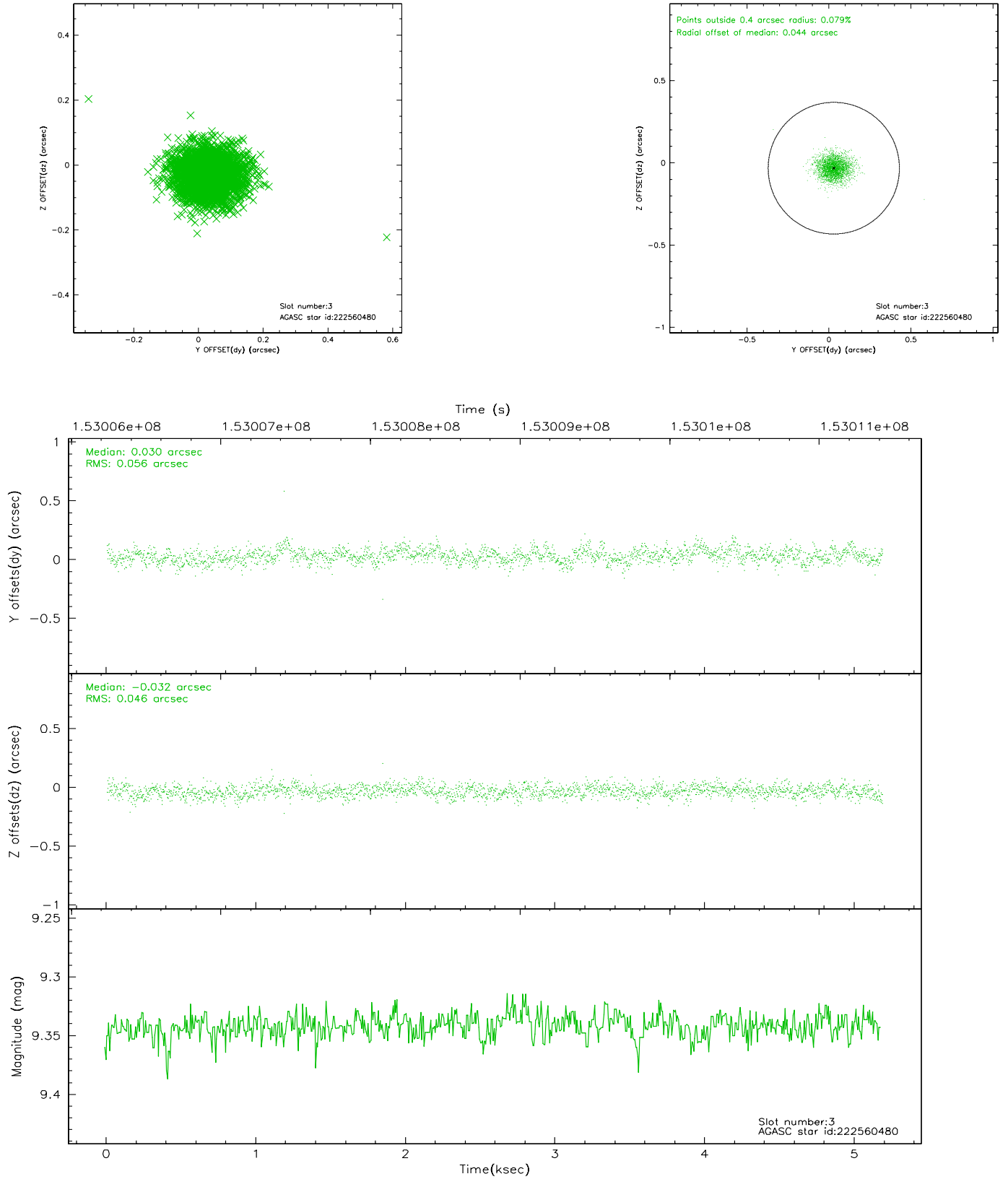
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1265	0.034	0.147	0.006	0.011	0.000000	0.000000	941.02	-1960.36
1	FID	ACIS-S-5	7.23	1265	0.032	0.097	0.006	0.011	0.000000	0.000000	-1807.22	-64.12
2	FID	ACIS-S-6	7.44	1265	-0.088	-0.234	0.007	0.011	0.000000	0.000000	405.33	580.72
3	GUIDE	222560480	9.34	2530	0.030	-0.032	0.075	0.124	343.777779	15.665461	1986.93	552.95
4	GUIDE	222562432	8.94	2530	-0.006	0.060	0.083	0.134	343.698150	16.309399	-323.22	884.23
5	GUIDE	222565592	8.26	2528	-0.127	0.057	0.058	0.093	343.291662	16.508291	-1379.07	-286.67
6	GUIDE	222571232	9.56	2528	-0.058	-0.083	0.088	0.146	343.021766	16.540282	-1733.25	-1156.53
7	GUIDE	222561240	8.72	2528	0.162	0.002	0.060	0.097	343.355884	15.743652	1336.64	-787.07

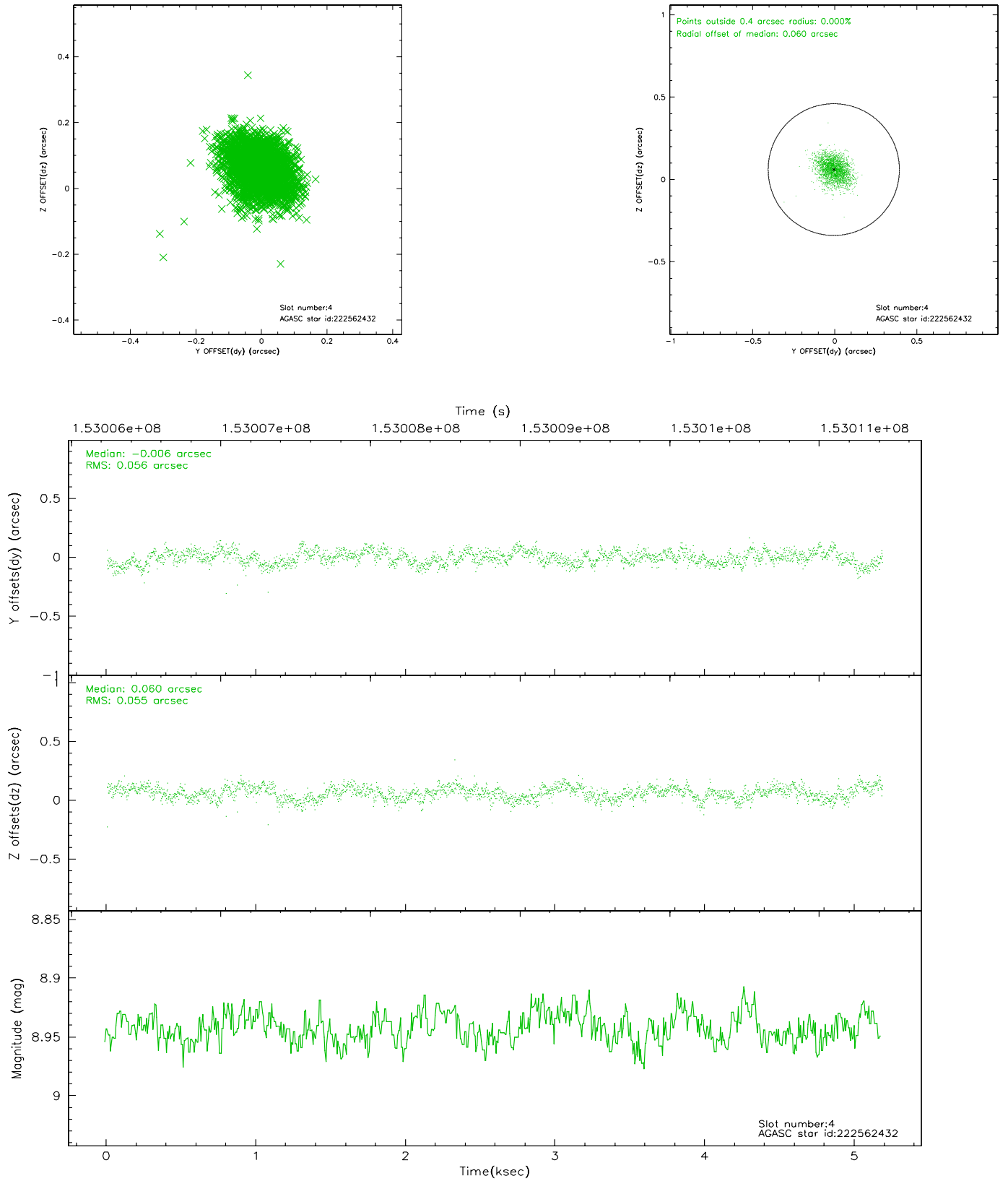


## 2.4 Star Slots

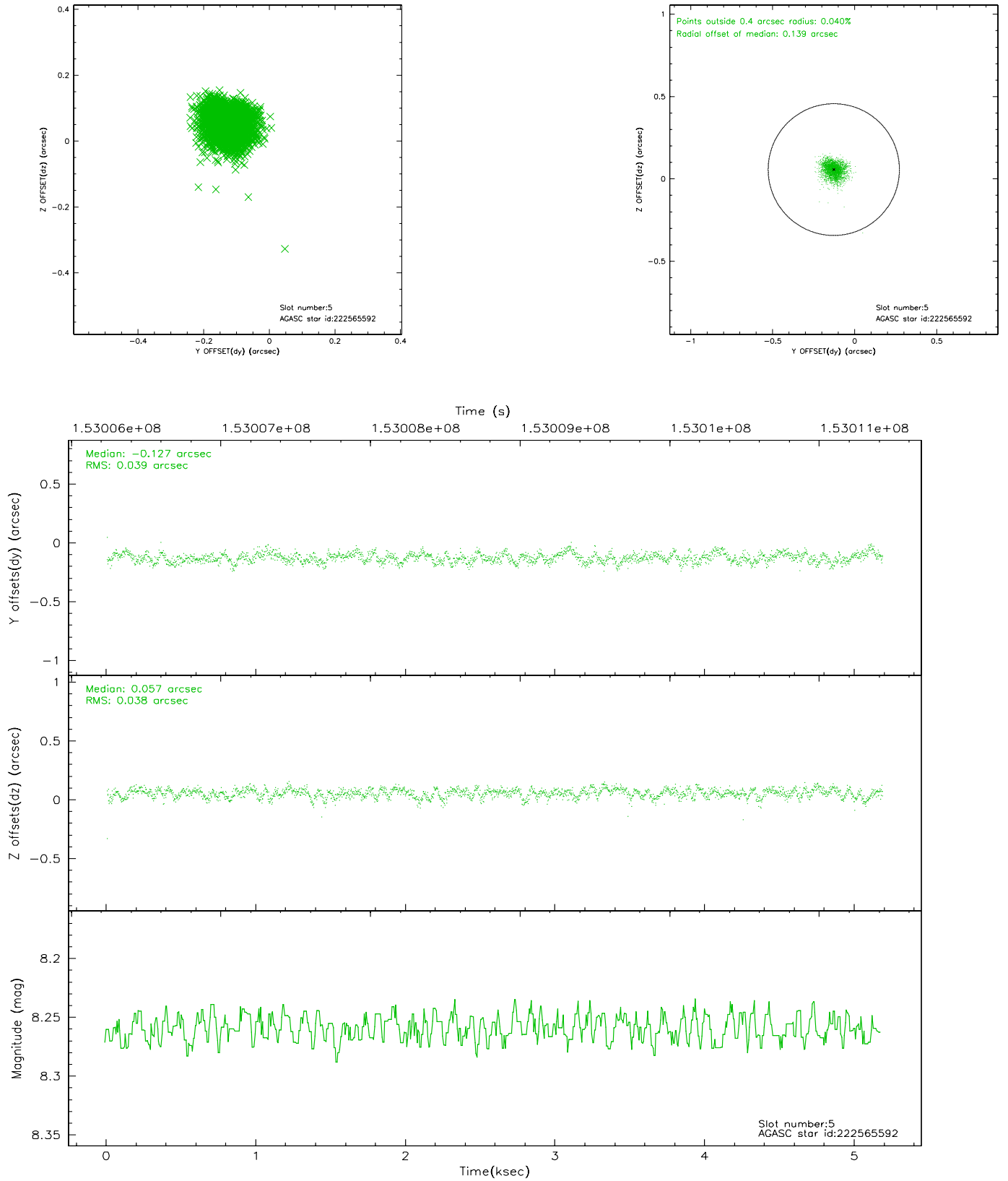
### 2.4.1 Slot 3



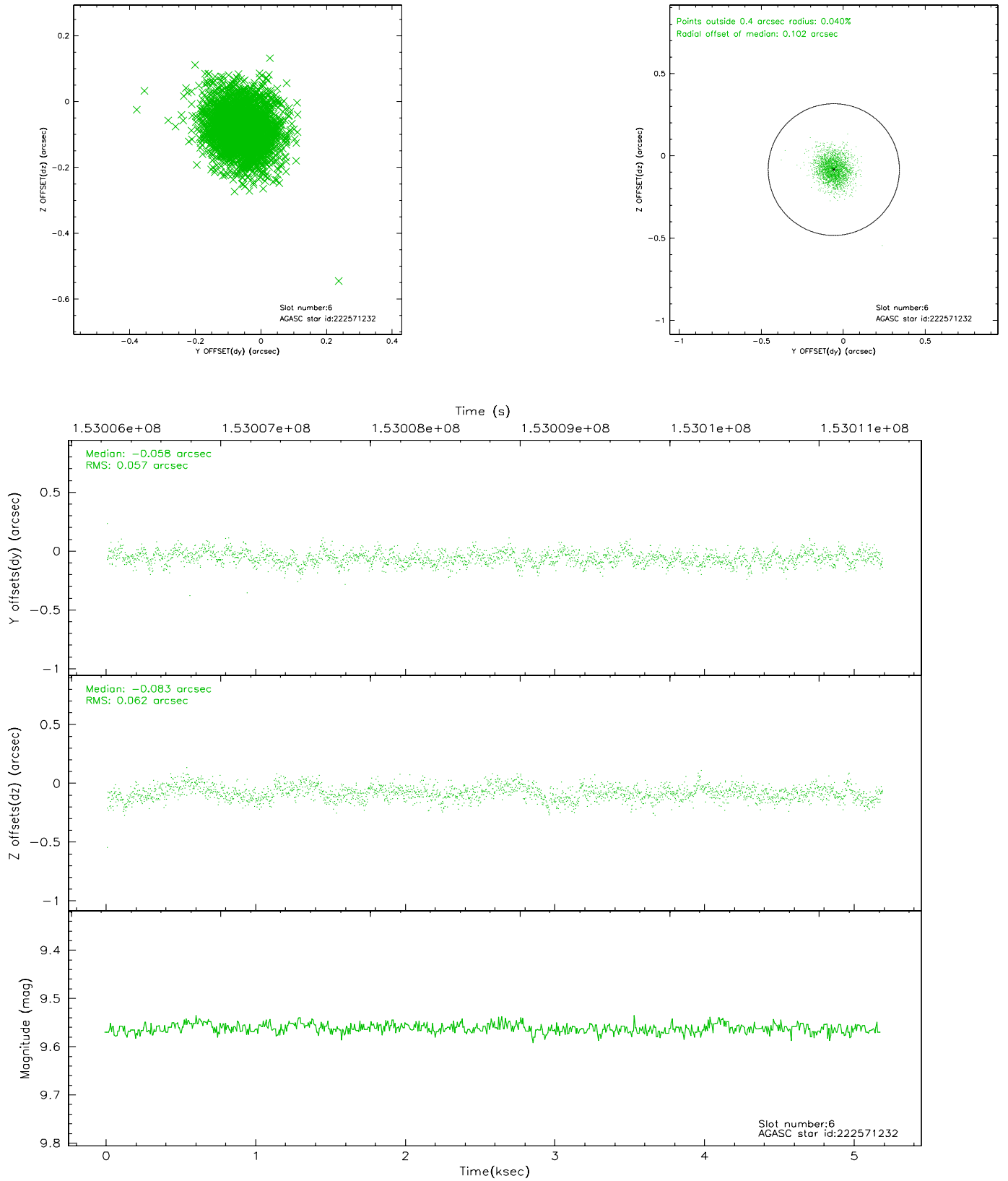
## 2.4.2 Slot 4



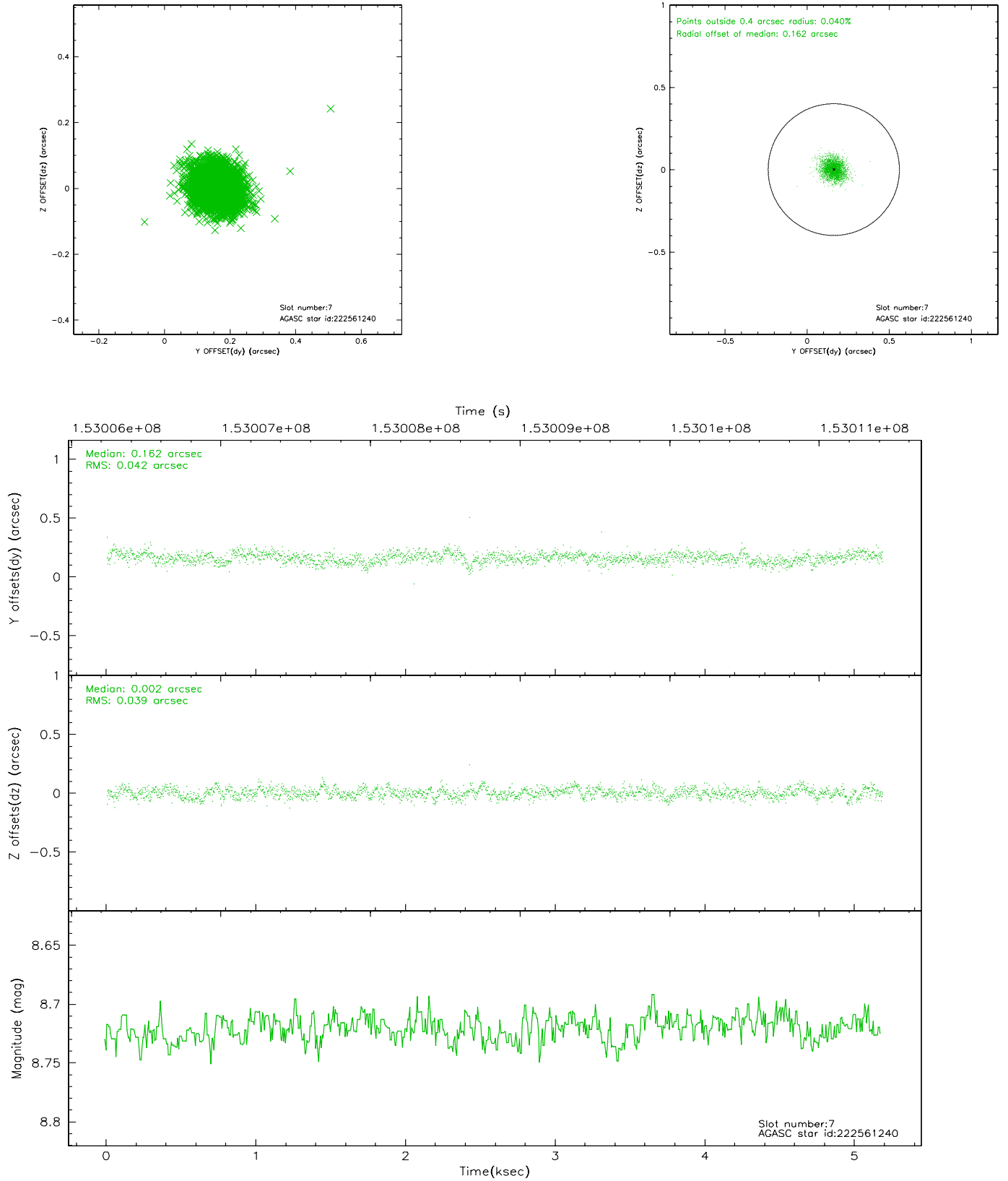
### 2.4.3 Slot 5



## 2.4.4 Slot 6

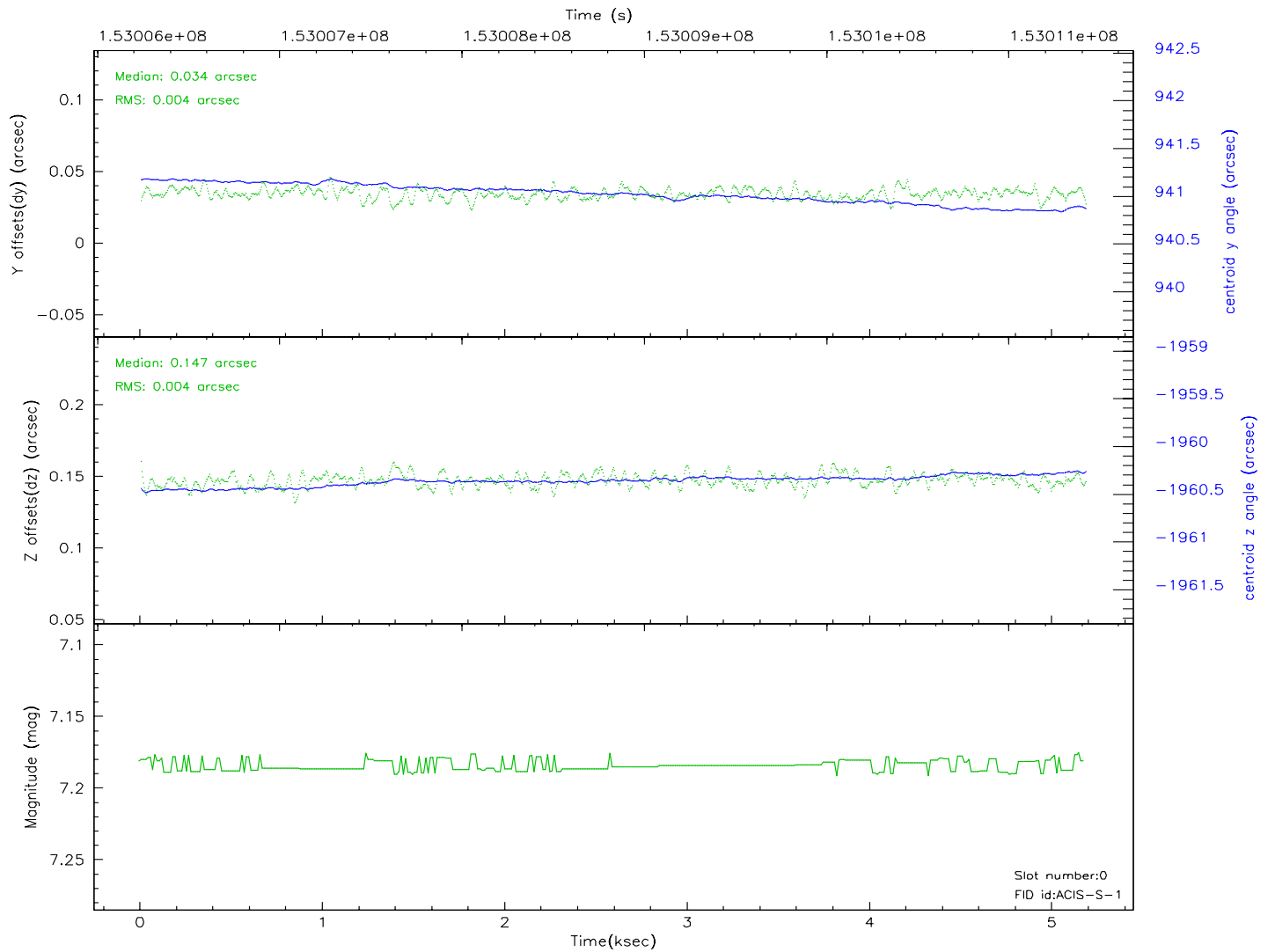
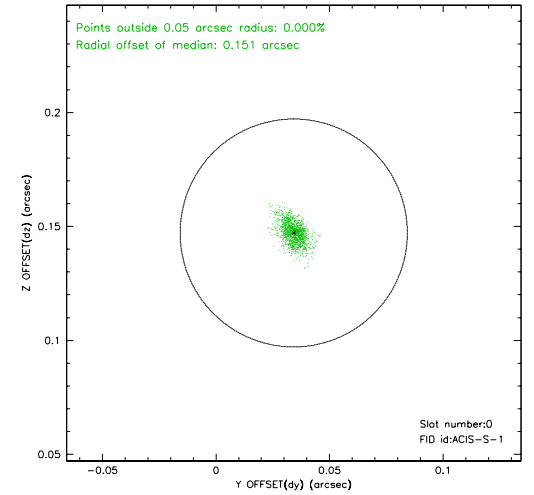
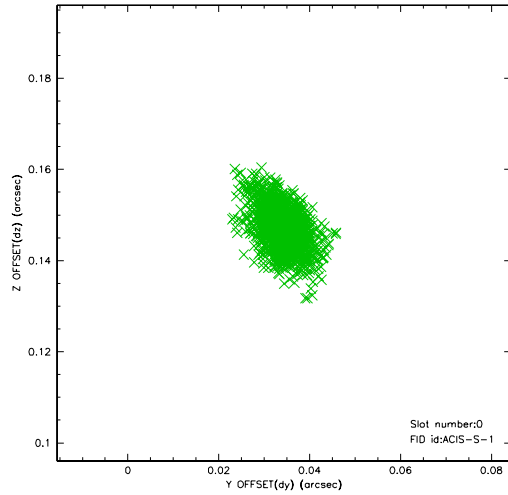


## 2.4.5 Slot 7

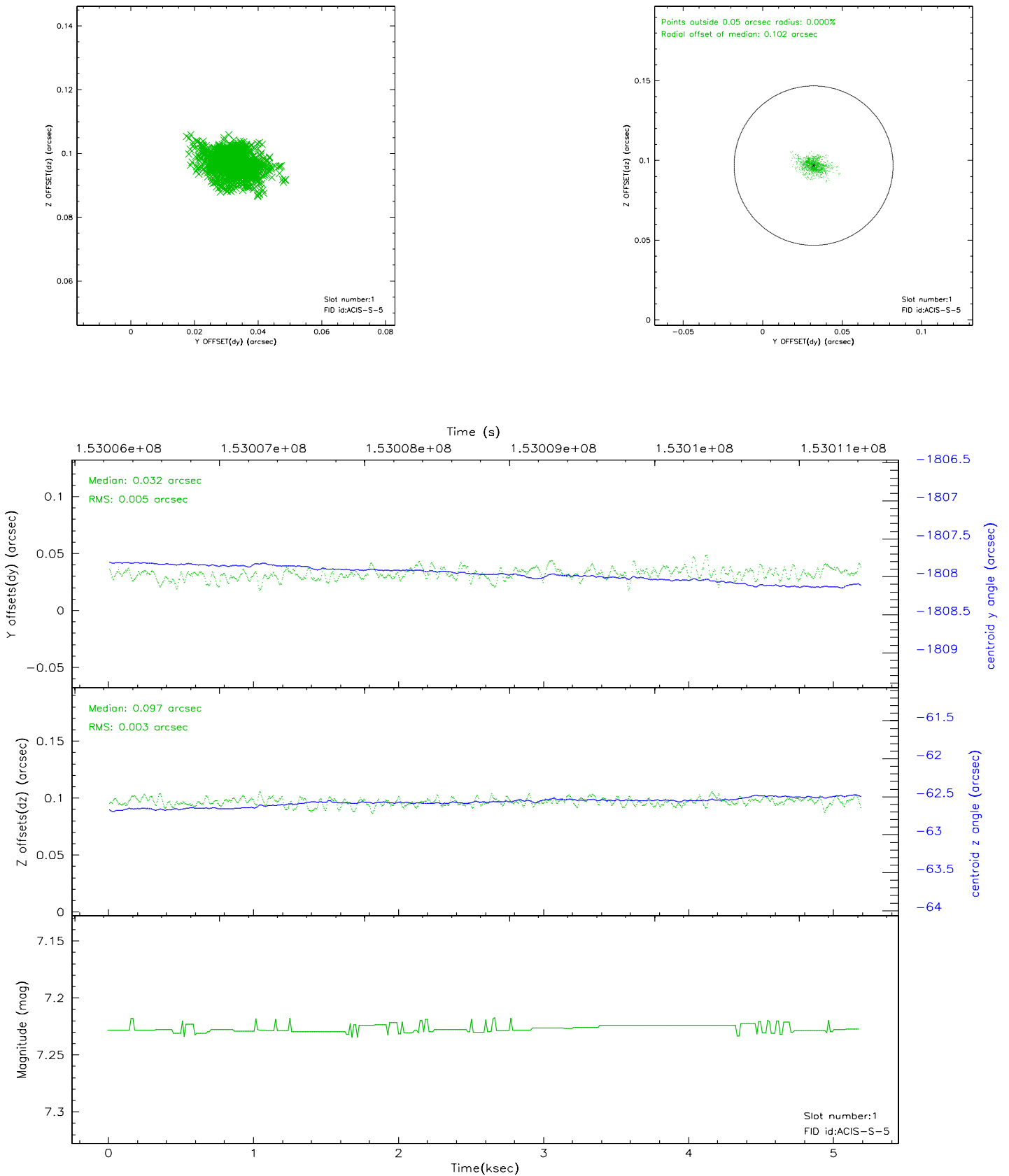


## 2.5 FID Slots

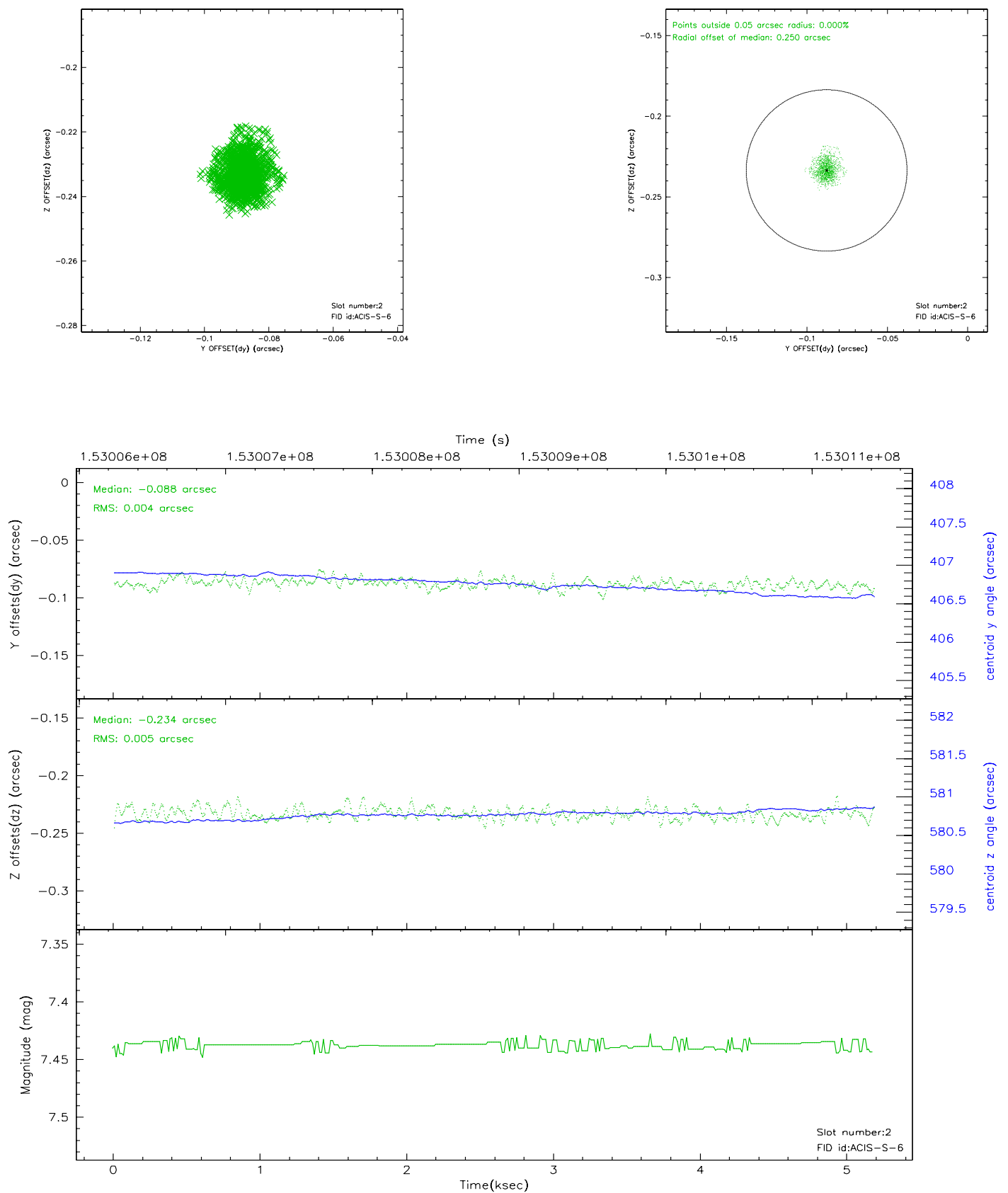
### 2.5.1 Slot 0



## 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)	2006.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.182

### A.2 Comments

Roll constrain met. Jet does not fall on the readout streak.