

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 3975 - L2 Version 002  
Chandra X-Ray Center

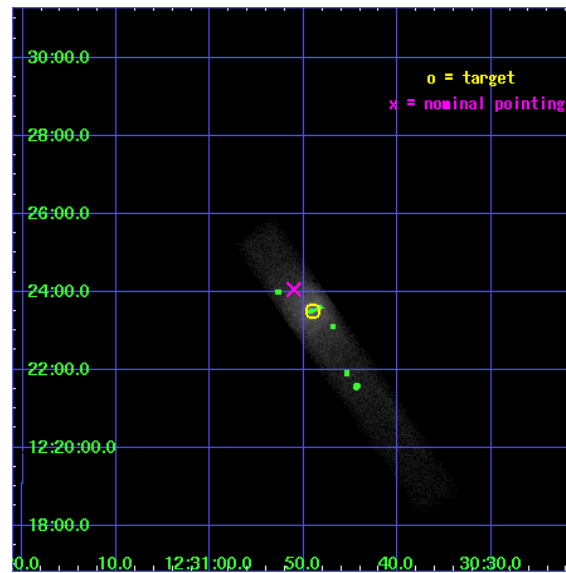
L2 Processing Date : Feb 12 2007

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# 1 Front

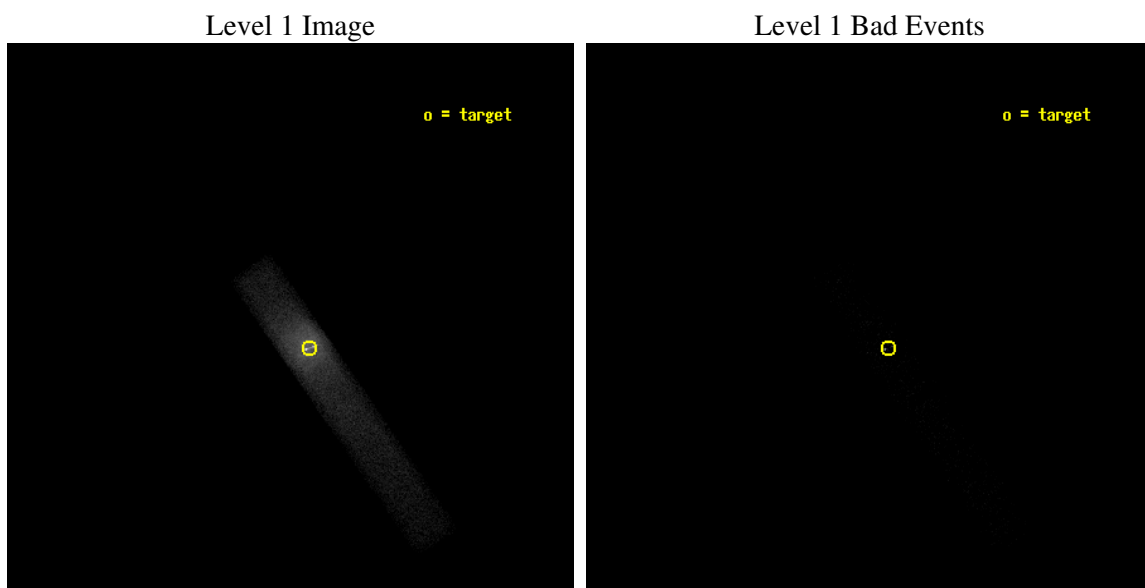
seq_num	700654
obs_id	3975
title	X-RAY VARIABILITY IN THE JET AND CORE OF M87
observer	Dr. Daniel Harris
object	M87
dtcycle	0
cycle	P
ra_targ	187.704167
dec_targ	12.391667
ra_nom	187.71282017001
dec_nom	12.400916844716
roll_nom	55.26268476289
revision	3
ontime	5830.0000868738
livetime	5287.502346158
ontime7	5830.0000868738
l2events	67501



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldbver	3.3.0
date	2007-02-12T22:40:36
revision	3

sched_exp_time	5000.000000
ontime	5830.0000868738
ontime7	5830.0000868738
l1events	72743

### 2.1.4 Events

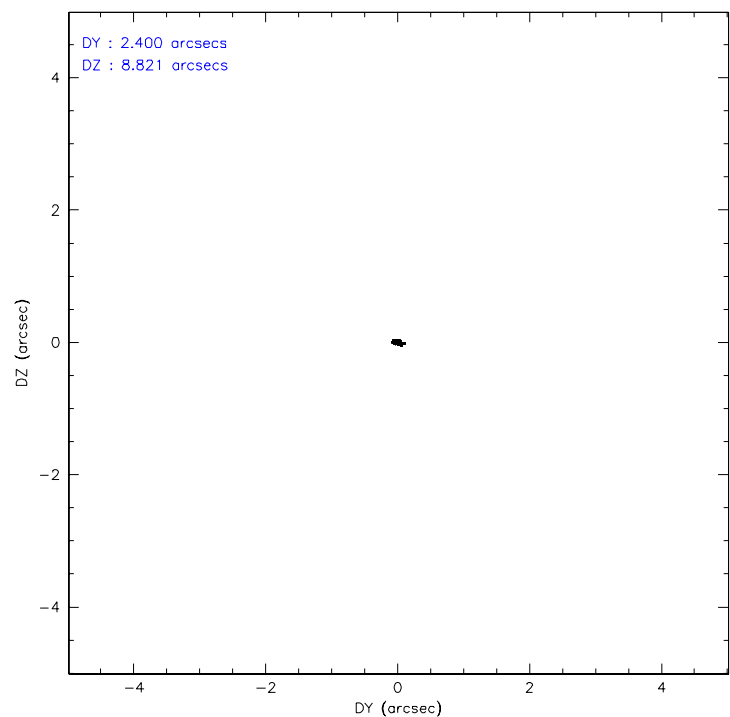
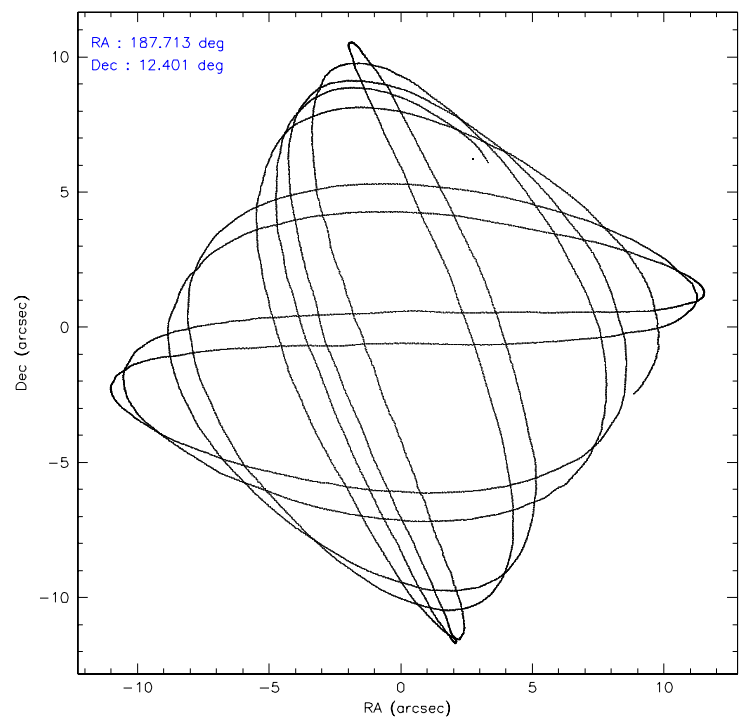
	<b>ccd 7</b>
level 1 events	72743
rejected events	4463
rejected %	6%

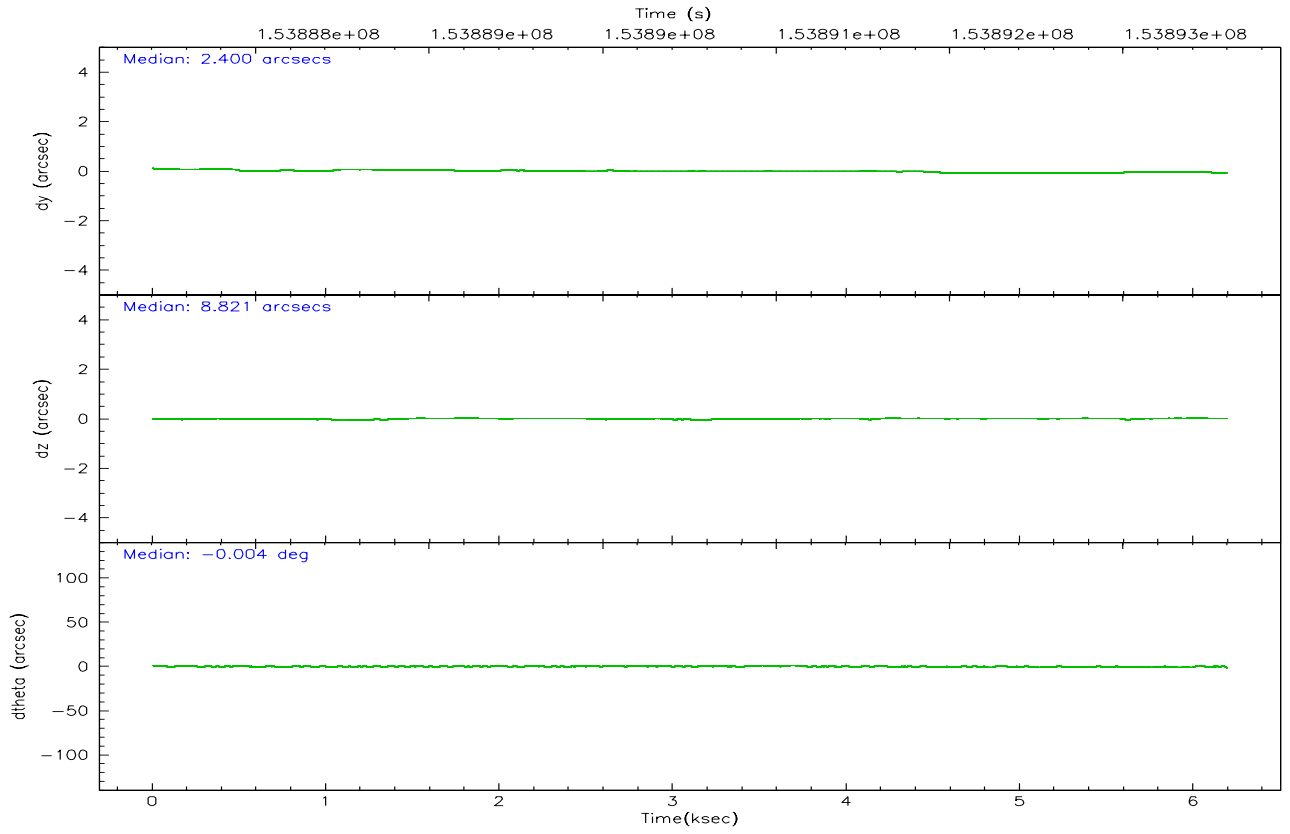
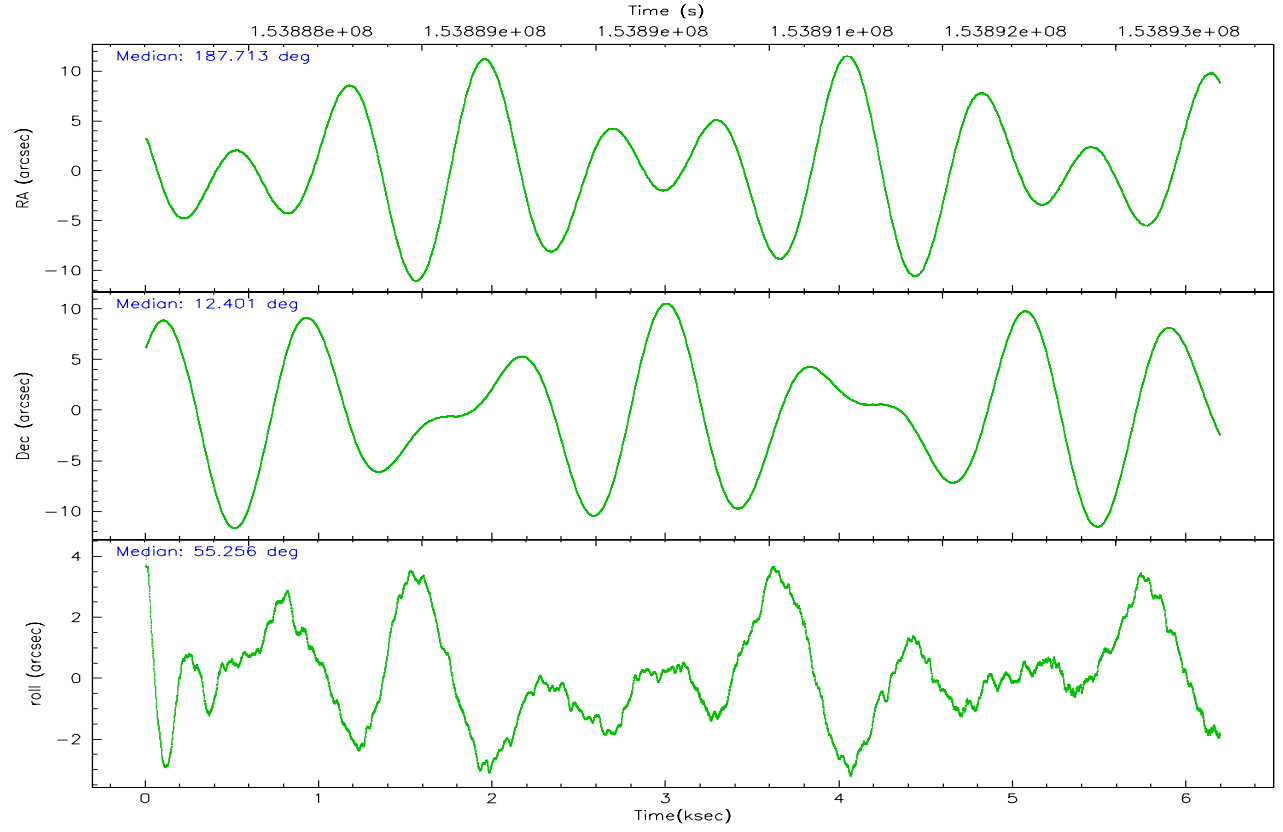
	<b>ccd 7</b>
grade 0 events	22512
	30%
grade 1 events	120
	0%
grade 2 events	17580
	24%
grade 3 events	8036
	11%
grade 4 events	8051
	11%
grade 5 events	1155
	1%
grade 6 events	12114
	16%
grade 7 events	3175
	4%

## 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	187.710885	187.7128201700147	Subarray requested	1/8	1/8
Pointing Dec	12.373682	12.40091684471637	Subarray start row	0	449
Pointing Roll	55.106481	55.26268476288981	Subarray row count	1024	128
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	0.4
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	153888606.184000	153887139.36798			
Observation start date	2002-11-17T02:49:02	2002-11-17T02:25:39			
Observation end time	153893606.184000	153894066.31827			
Observation end date	2002-11-17T04:12:22	2002-11-17T04:21:06			
Read mode	TIMED	TIMED			

## 2.3 Aspect





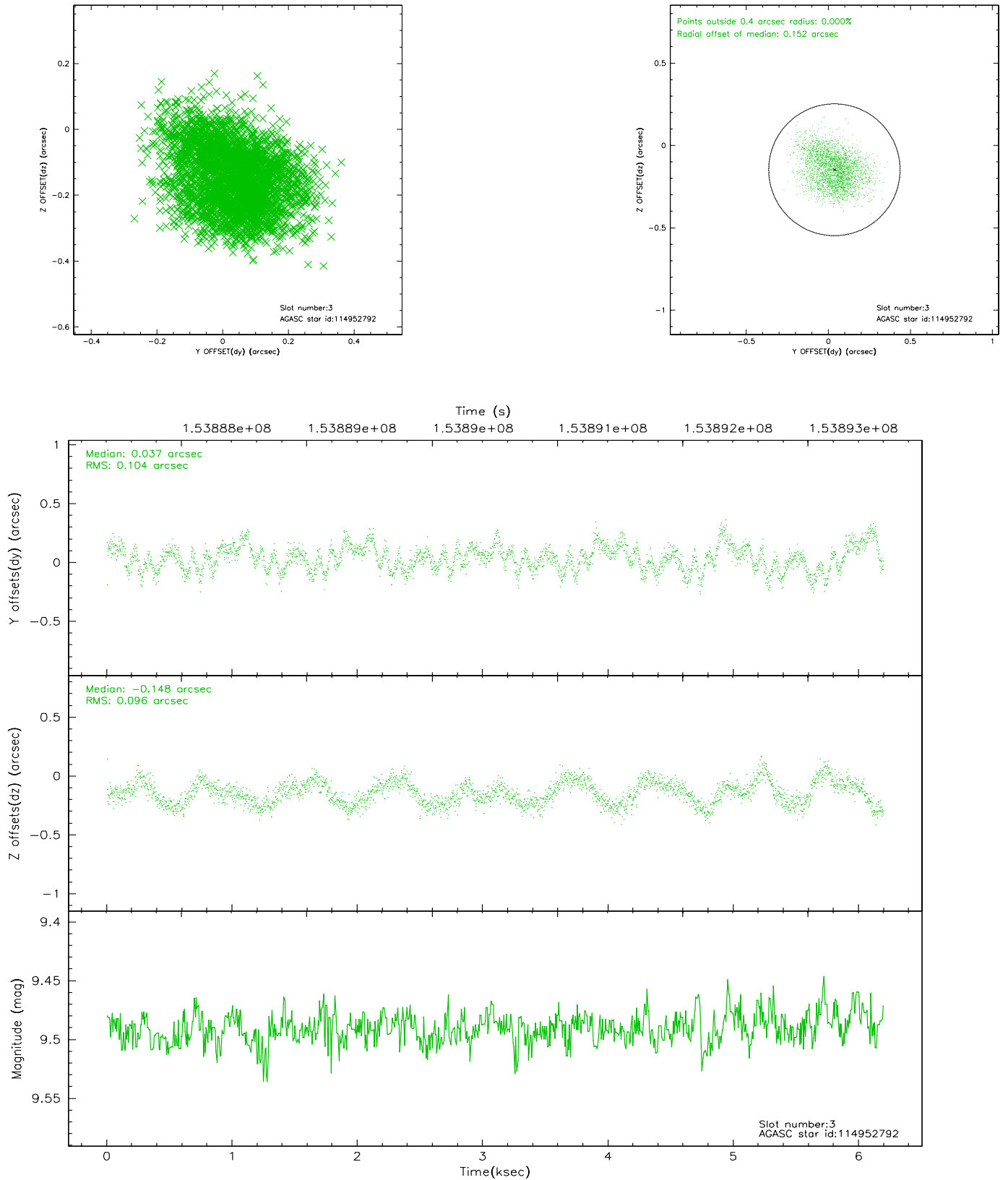
### Slot Statistics

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	1511	-0.011	0.022	0.010	0.023	0.000000	0.000000	-755.04	-1730.01
1	FID	ACIS-S-4	7.20	1510	-0.060	-0.001	0.009	0.035	0.000000	0.000000	2157.77	177.46
2	FID	ACIS-S-5	7.23	1511	0.038	-0.012	0.010	0.021	0.000000	0.000000	-1806.60	172.21
3	GUIDE	114952792	9.49	3021	0.037	-0.148	0.153	0.239	187.070263	12.344747	-1372.46	1789.49
4	GUIDE	114952824	8.55	3020	-0.196	-0.053	0.072	0.114	187.703904	12.486727	319.03	253.39
5	GUIDE	114954440	9.21	3021	0.077	-0.218	0.108	0.170	186.915066	12.219118	-2054.76	1979.94
6	GUIDE	114955056	8.33	3022	-0.063	0.231	0.067	0.105	187.914001	12.127854	-317.30	-1091.79
7	GUIDE	114950584	9.18	3021	0.144	0.184	0.073	0.121	187.487323	11.827248	-2063.82	-479.58

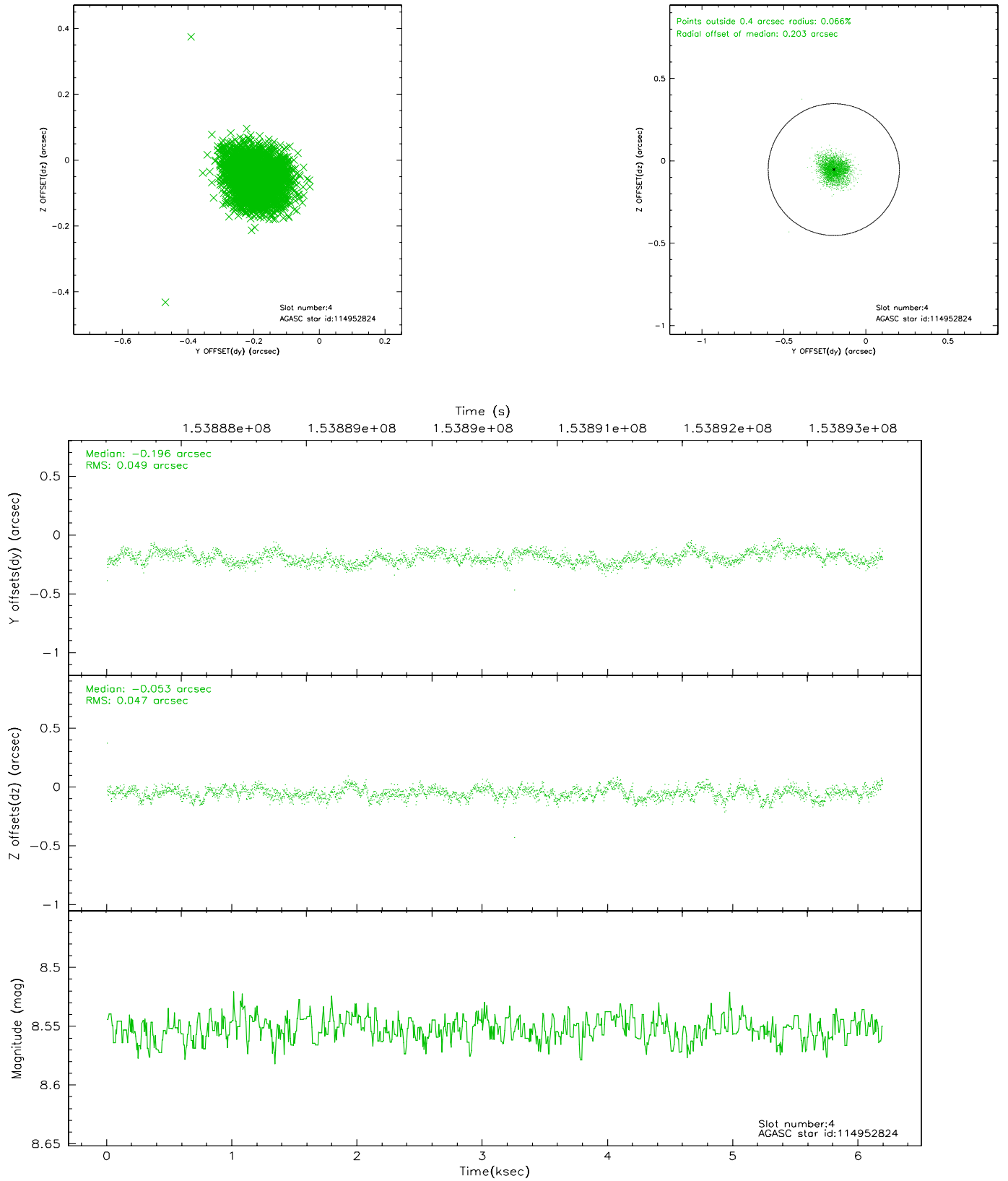


## 2.4 Star Slots

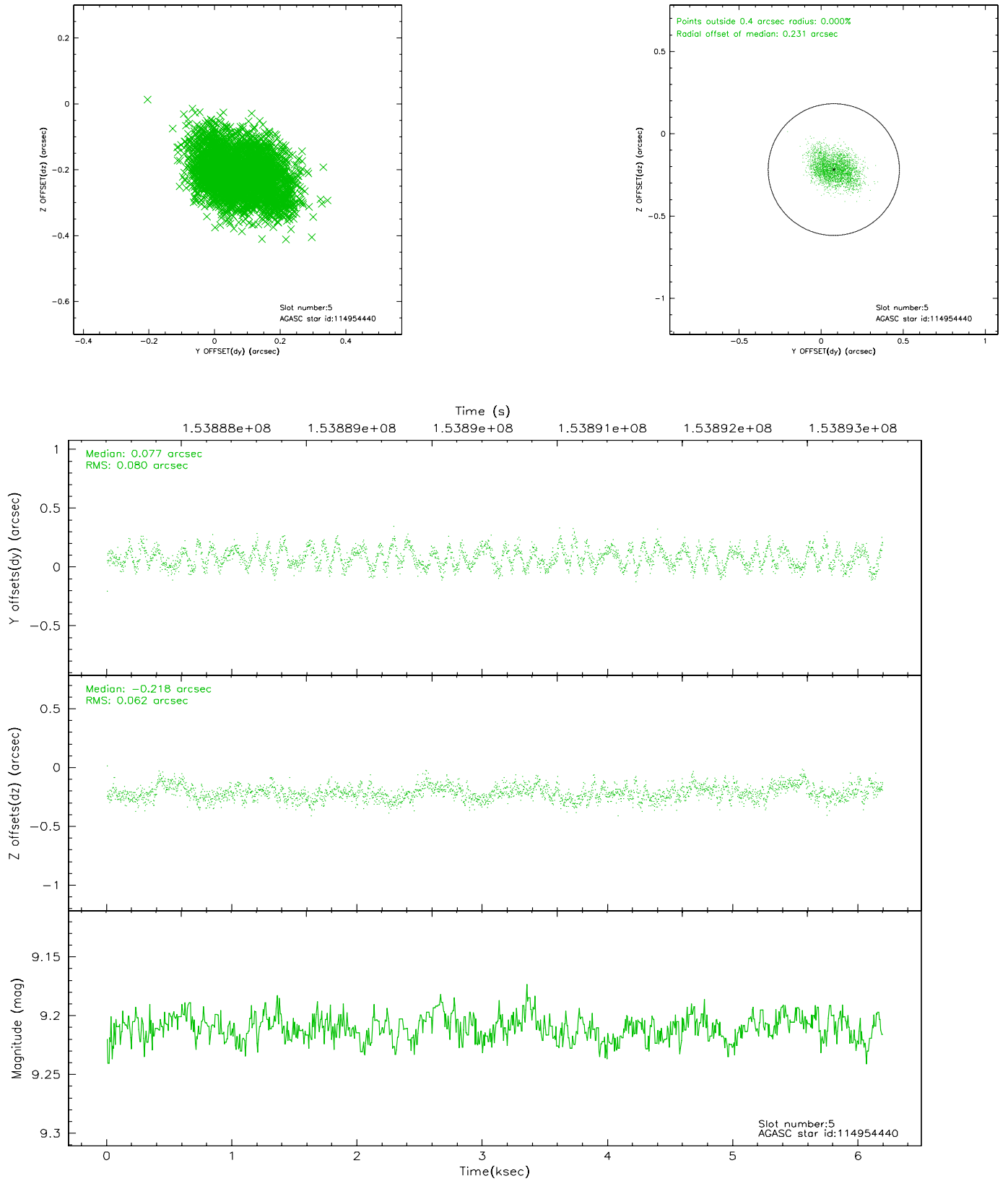
### 2.4.1 Slot 3



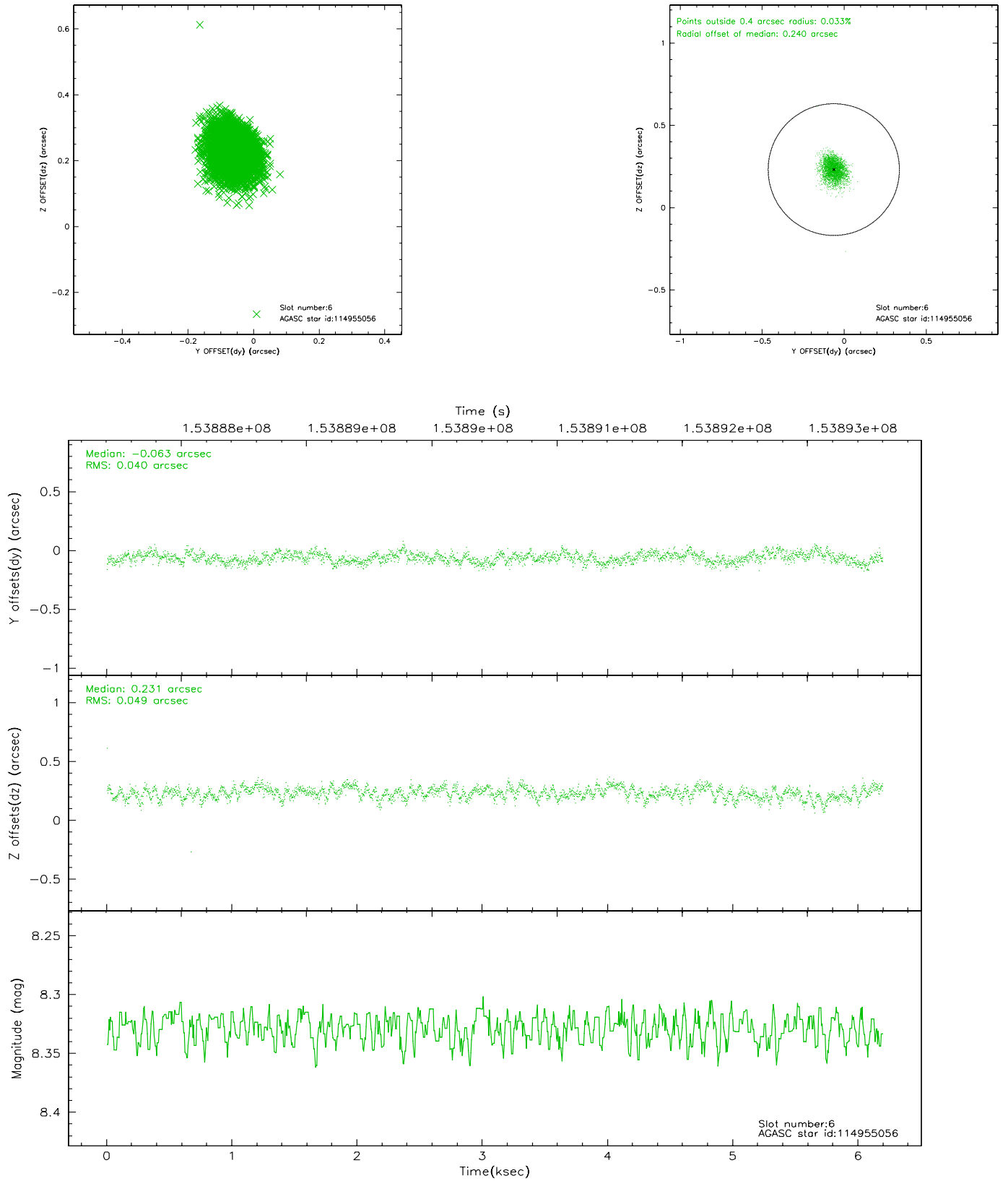
## 2.4.2 Slot 4



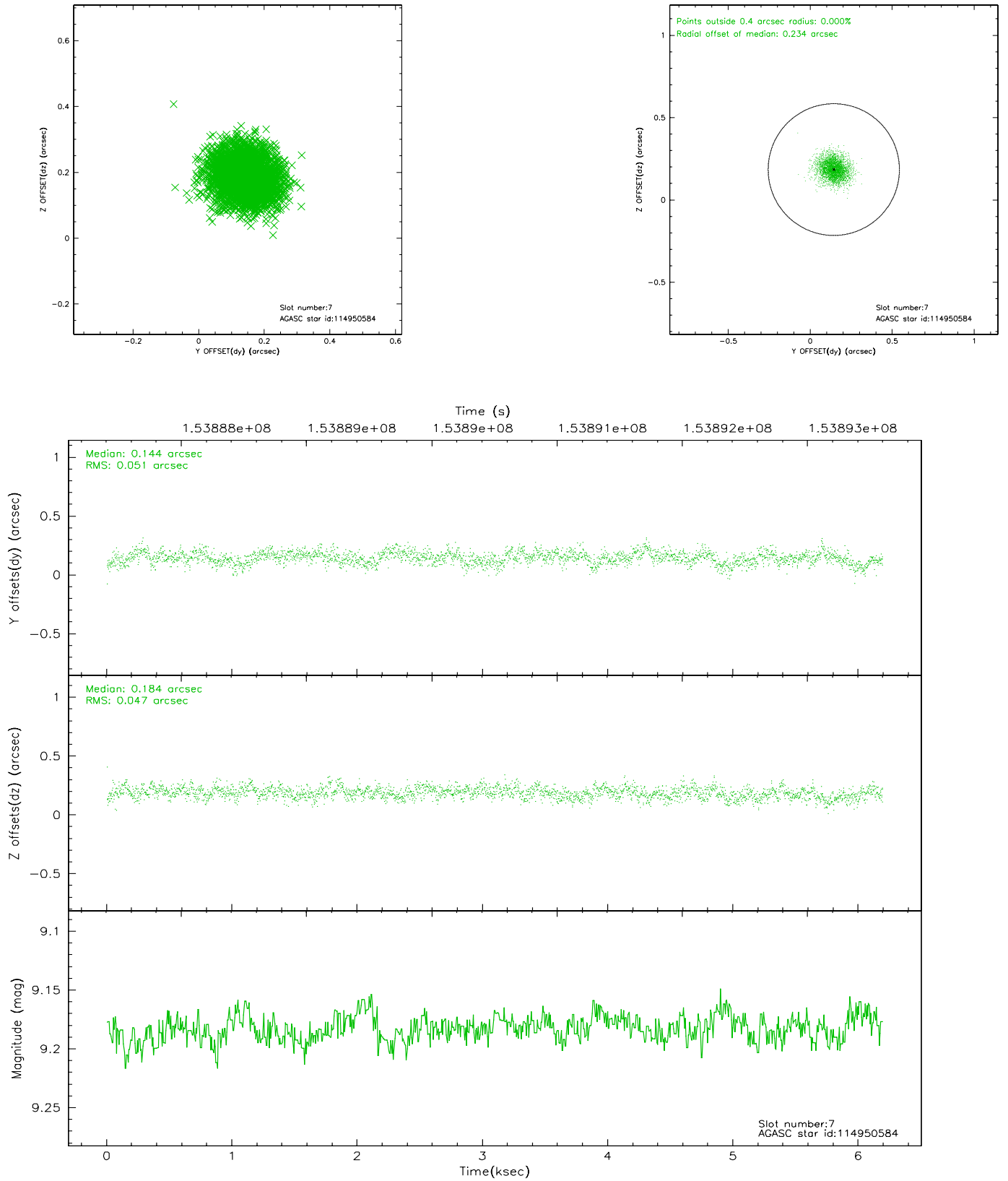
### 2.4.3 Slot 5



## 2.4.4 Slot 6

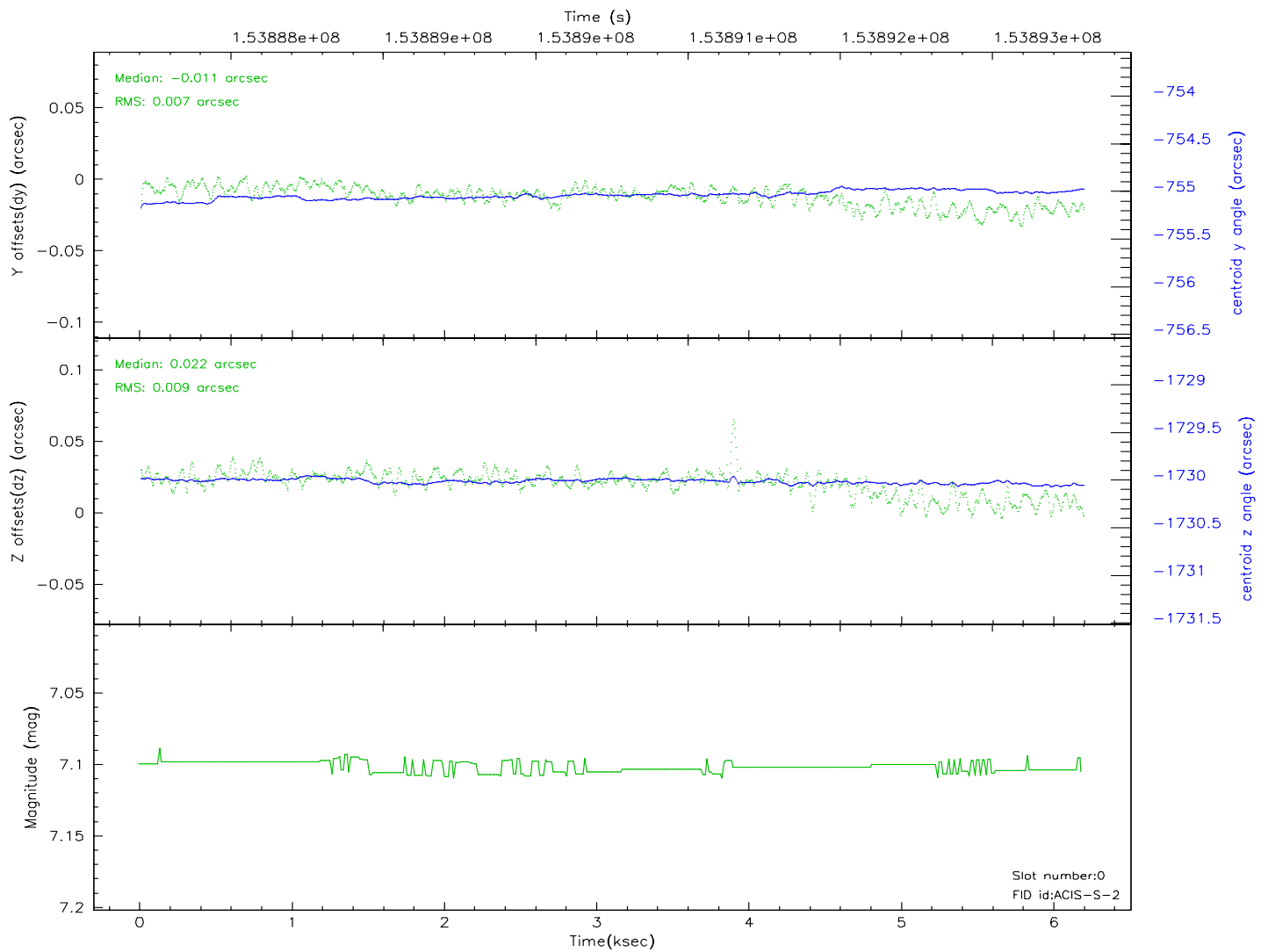
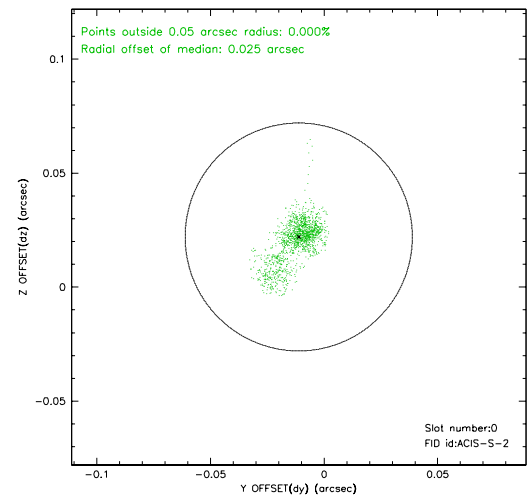
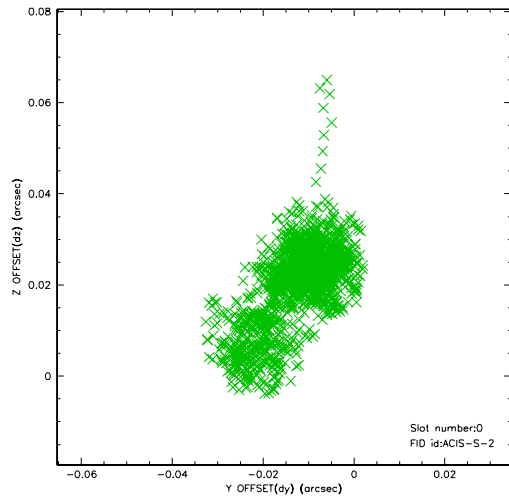


## 2.4.5 Slot 7

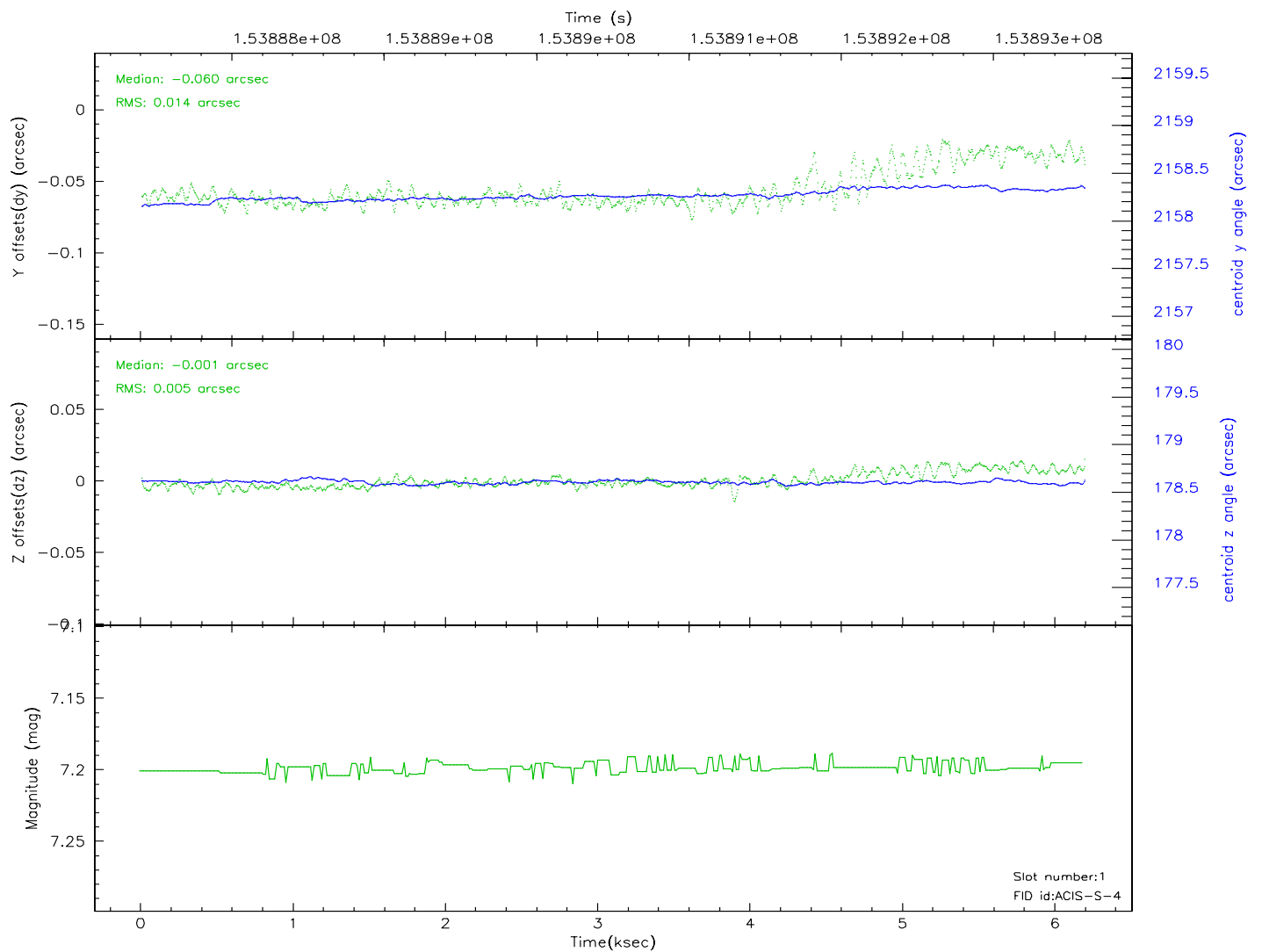
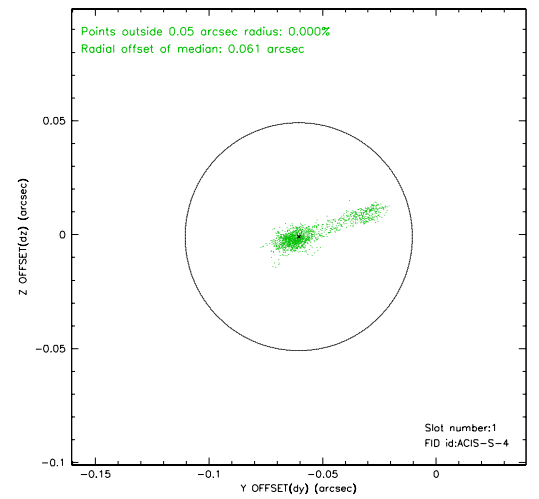
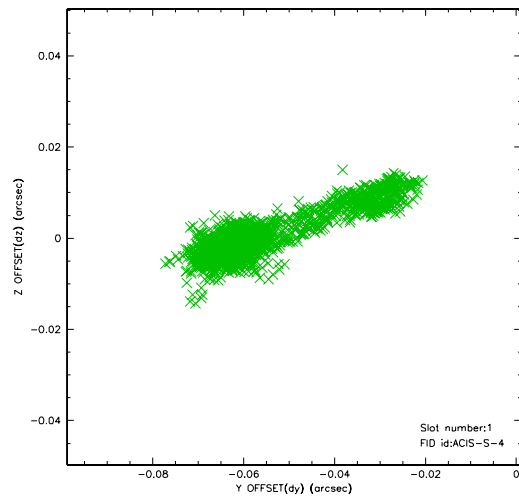


## 2.5 FID Slots

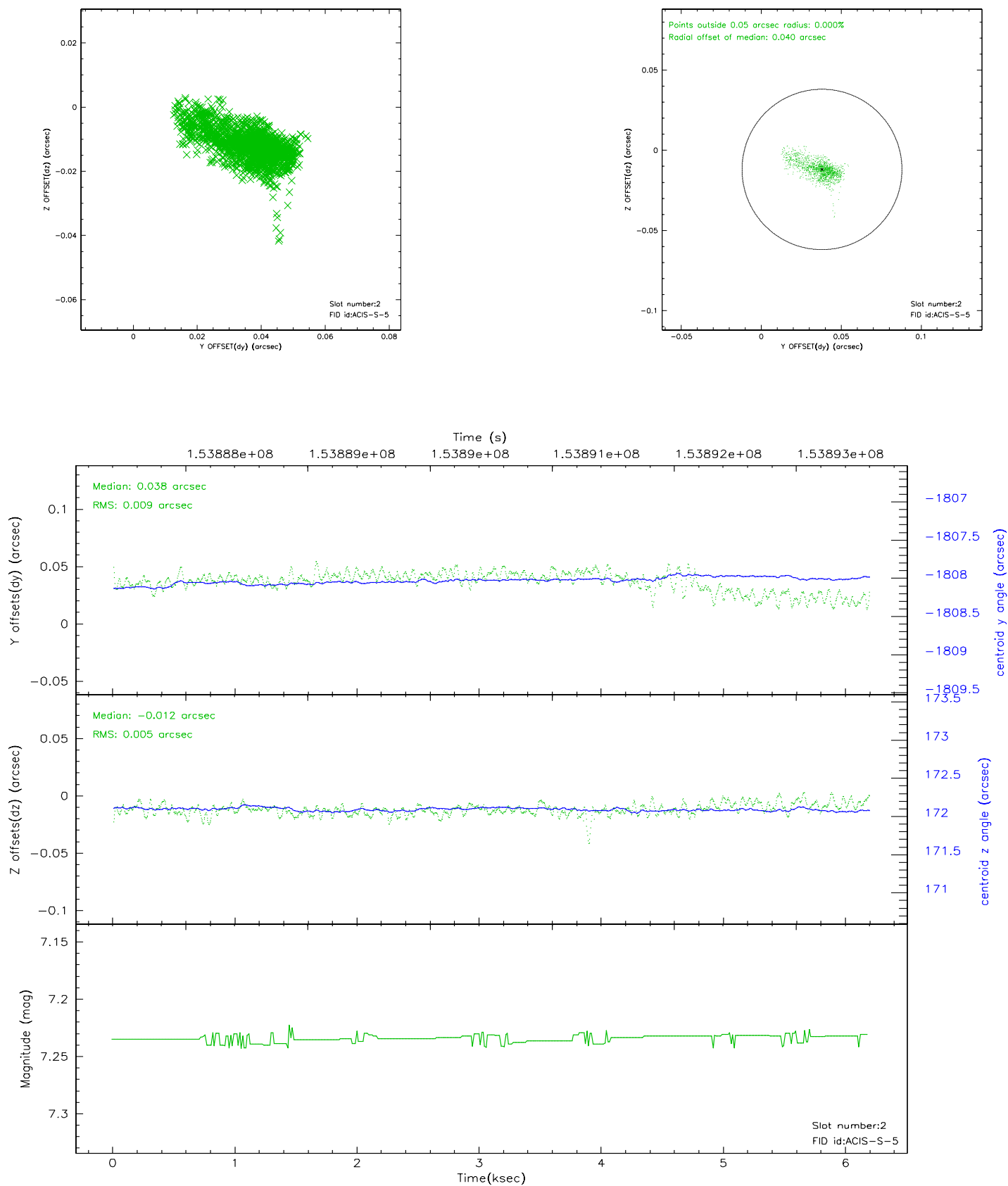
### 2.5.1 Slot 0



## 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)	2007.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.83

### A.2 Comments