

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2144 - L2 Version 001  
Chandra X-Ray Center

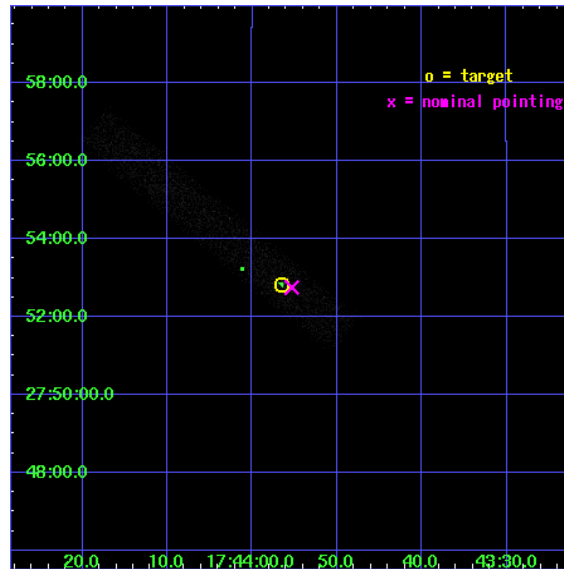
L2 Processing Date : Dec 15 2006

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# 1 Front

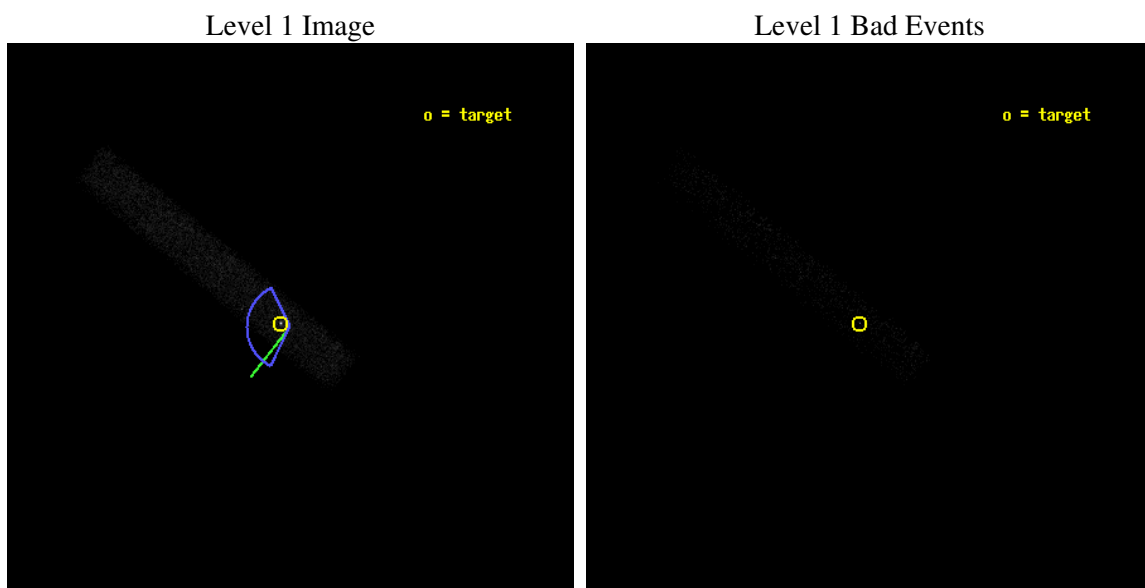
seq_num	700334
obs_id	2144
title	AN UNBIASED SURVEY OF X-RAY AND OPTICAL EMISSION FROM EXTENDED RADIO JETS IN AGN
observer	Dr. Rita Sambruna
object	1749+279
dtcycle	0
cycle	P
ra_targ	265.985417
dec_targ	27.880556
ra_nom	265.98057049375
dec_nom	27.879234056018
roll_nom	219.3498604557
revision	2
ontime	9807.9591061622
livetime	8895.3012027591
ontime7	9807.9591061622
l2events	7407



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-15T16:03:23
revision	2

sched_exp_time	9500.000000
ontime	10347.114465326
ontime7	10347.114465326
l1events	14787

### 2.1.4 Events

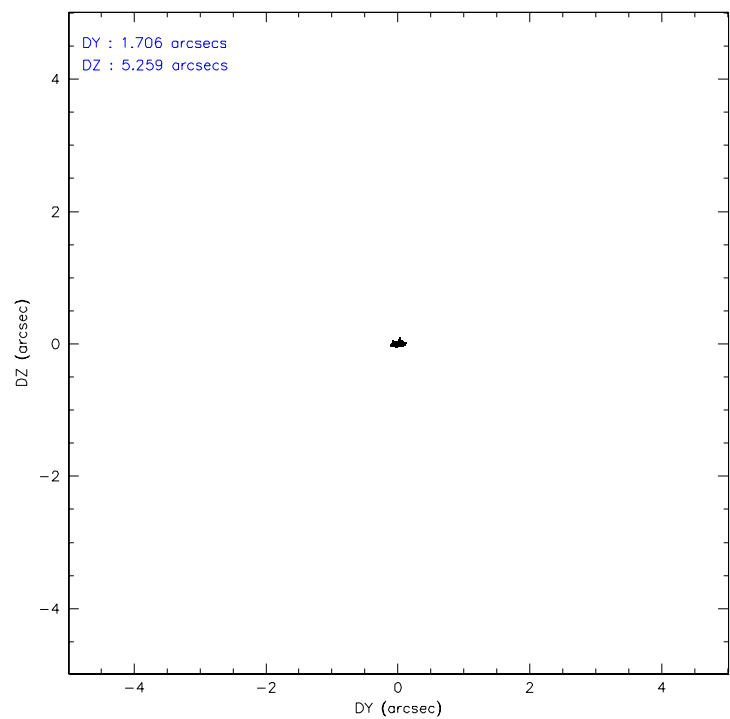
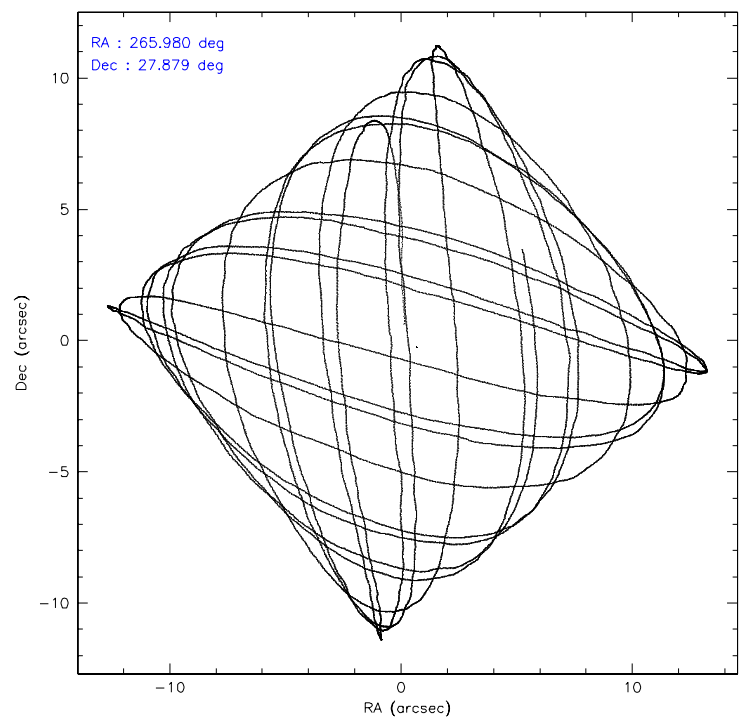
	<b>ccd 7</b>
level 1 events	14787
rejected events	7043
rejected %	47%

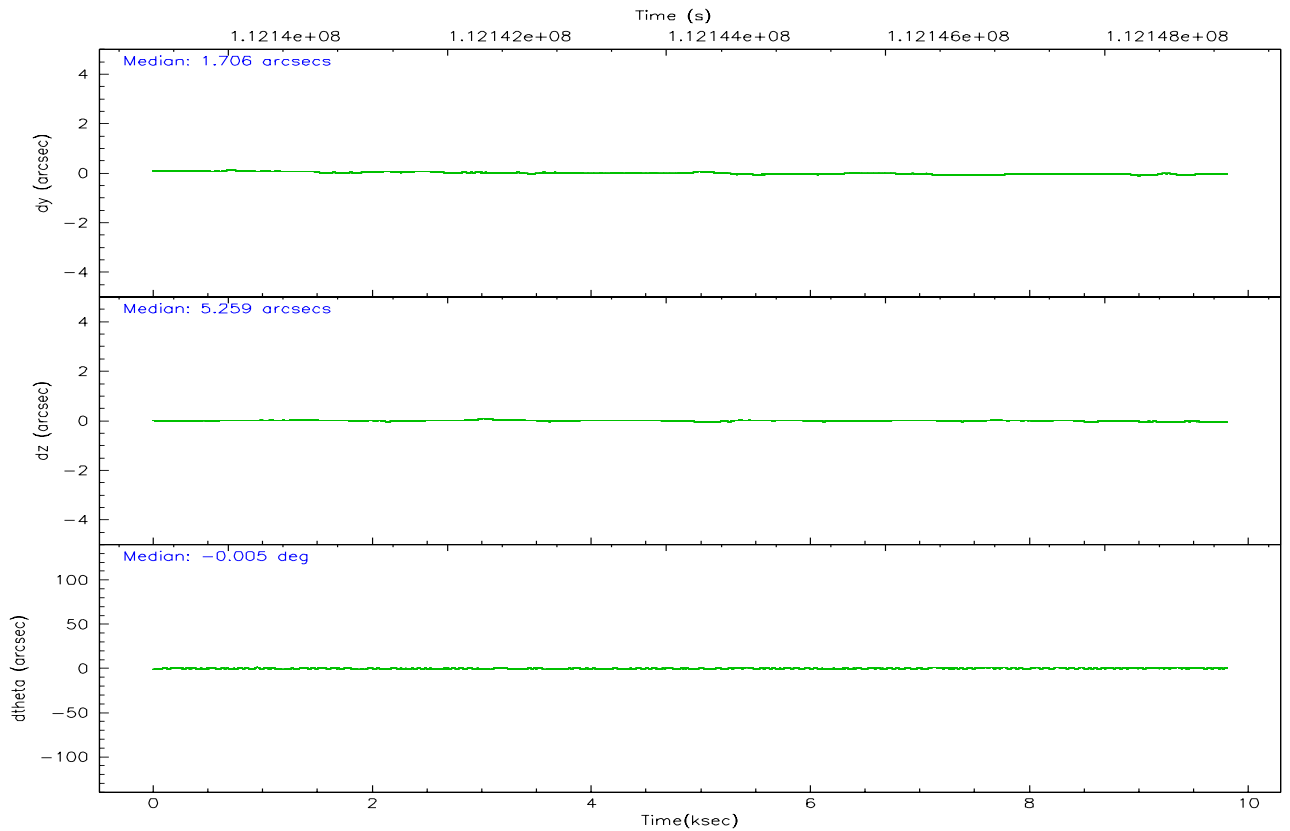
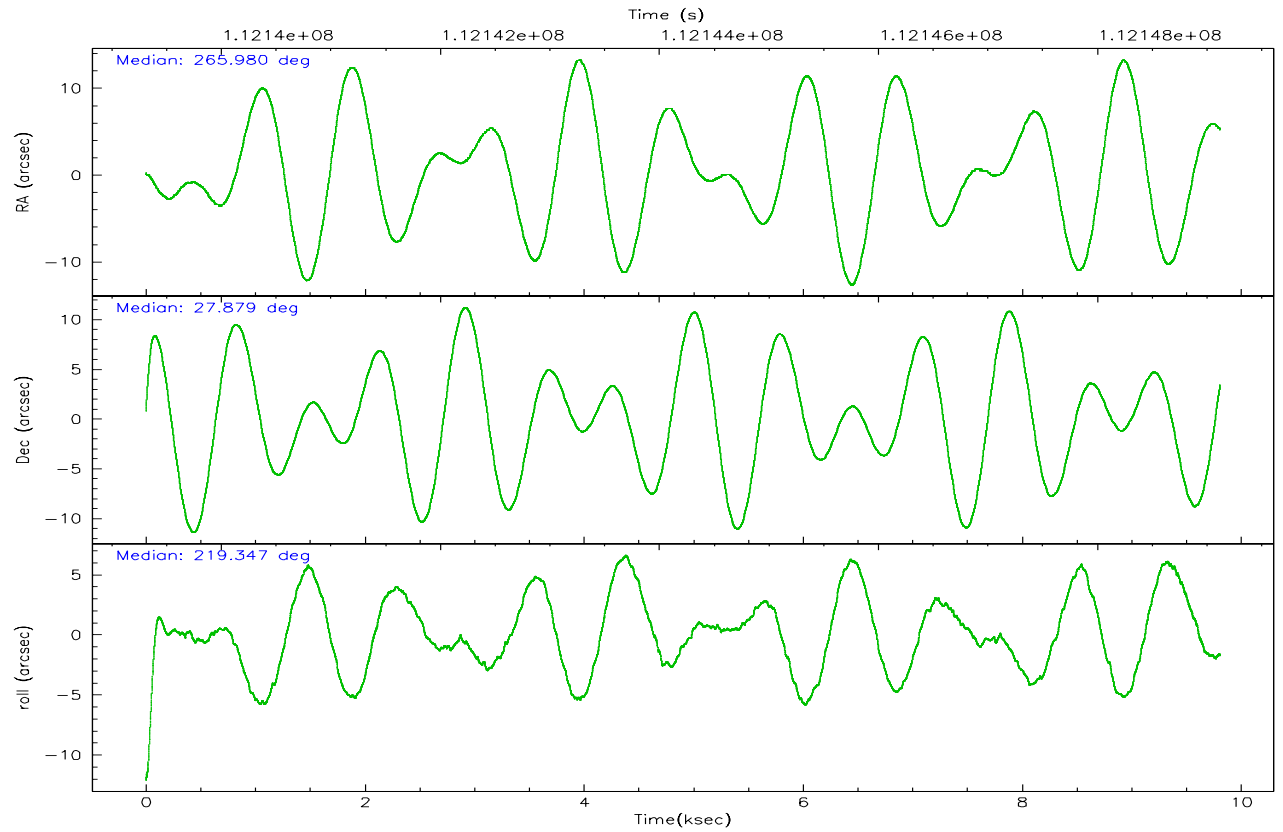
	<b>ccd 7</b>
grade 0 events	1263
	8%
grade 1 events	22
	0%
grade 2 events	1931
	13%
grade 3 events	866
	5%
grade 4 events	851
	5%
grade 5 events	875
	5%
grade 6 events	3137
	21%
grade 7 events	5842
	39%

## 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	265.991168	265.980570493746	Subarray requested	1/8	1/8
Pointing Dec	27.904918	27.87923405601847	Subarray start row	0	449
Pointing Roll	219.188287	219.349860455704	Subarray row count	1024	128
Roll angle	270.000000	270.000000	Alternating exposures requested	N	N
Roll tolerance	64.000000	64.000000	Primary exposure time	0.000000	0.4
Roll constraint allows 180D rotation	N	N			
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	112139619.184000	112138601.18979			
Observation start date	2001-07-21T21:52:35	2001-07-21T21:36:41			
Observation end time	112149119.184000	112150190.35274			
Observation end date	2001-07-22T00:30:55	2001-07-22T00:49:50			
Read mode	TIMED	TIMED			

## 2.3 Aspect





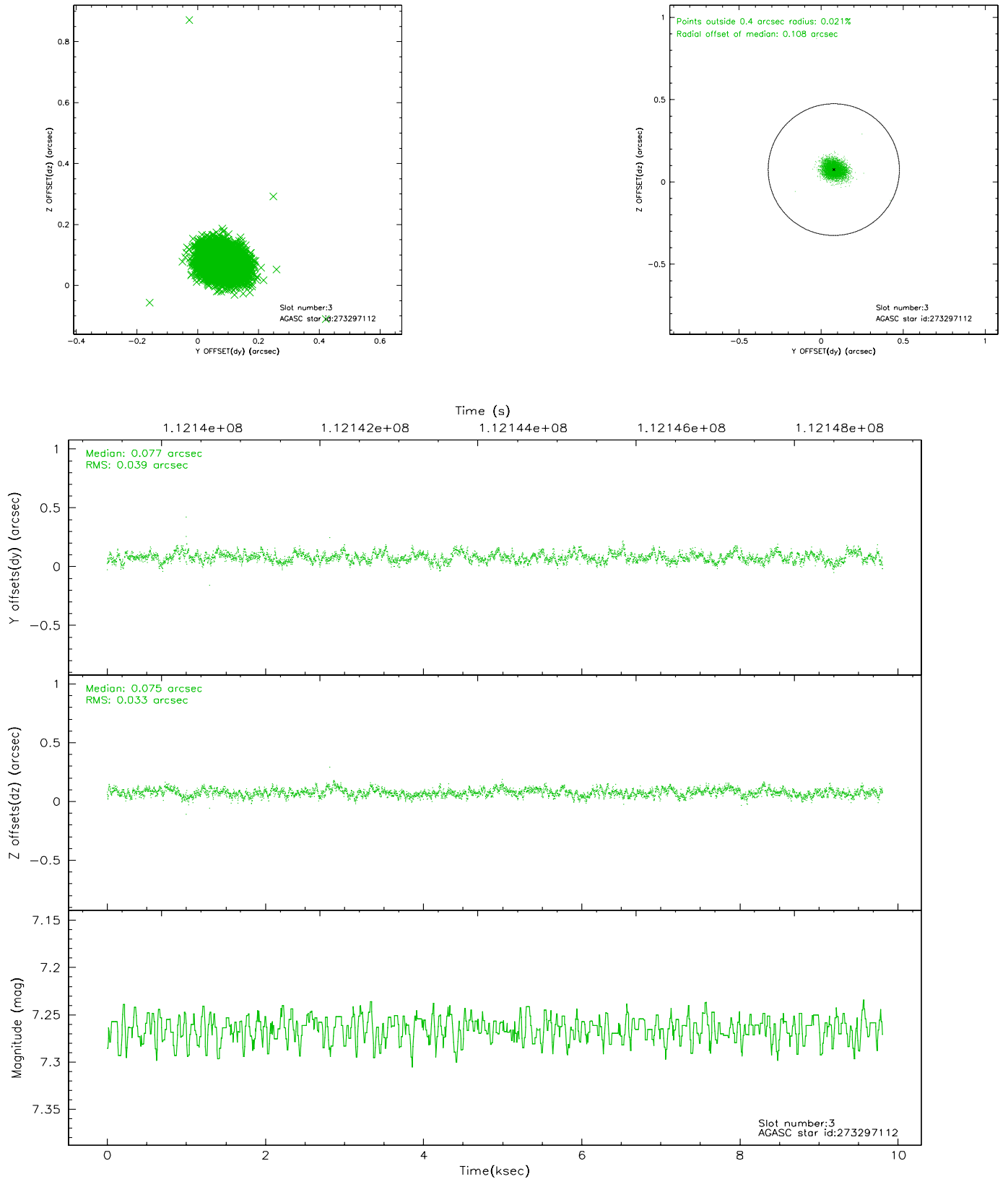
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2393	0.005	0.011	0.005	0.009	0.000000	0.000000	-754.28	-1726.38
1	FID	ACIS-S-4	7.20	2388	-0.054	0.008	0.006	0.010	0.000000	0.000000	2158.66	181.59
2	FID	ACIS-S-6	7.36	2392	0.022	-0.012	0.007	0.012	0.000000	0.000000	408.38	819.55
3	GUIDE	273297112	7.26	4784	0.077	0.075	0.052	0.084	265.863574	27.022833	2323.66	2203.20
4	GUIDE	273694800	7.50	4785	-0.081	0.042	0.055	0.093	265.398781	28.212894	753.70	-2049.39
5	GUIDE	273816392	8.45	4784	-0.025	-0.079	0.064	0.107	266.611006	28.179939	-2153.11	471.36
6	GUIDE	273287600	8.45	4786	-0.014	0.060	0.067	0.108	266.723245	28.094759	-2238.73	934.39
7	GUIDE	273287184	8.71	4782	0.038	-0.095	0.061	0.102	266.241947	28.006423	-849.55	220.23

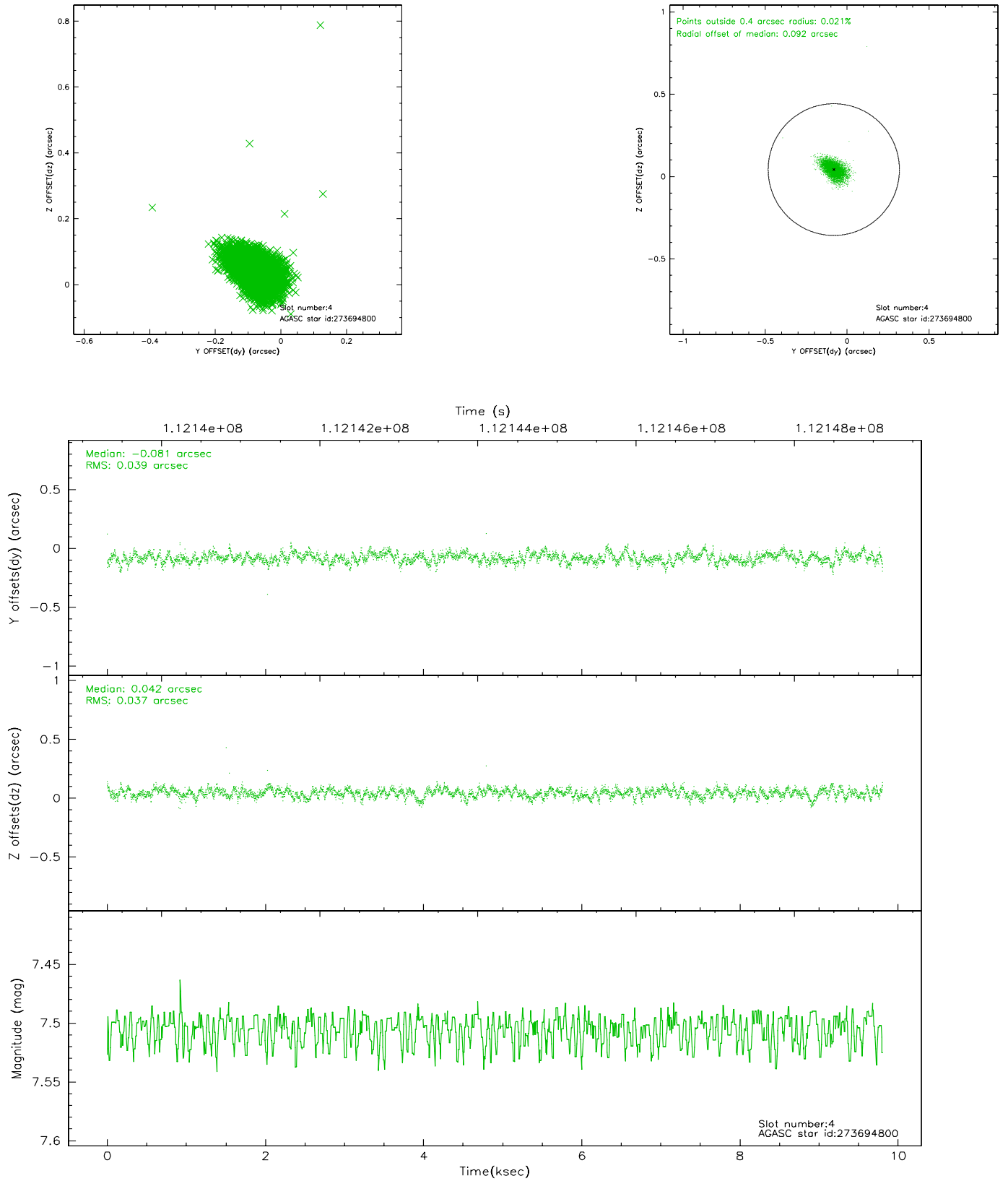


## 2.4 Star Slots

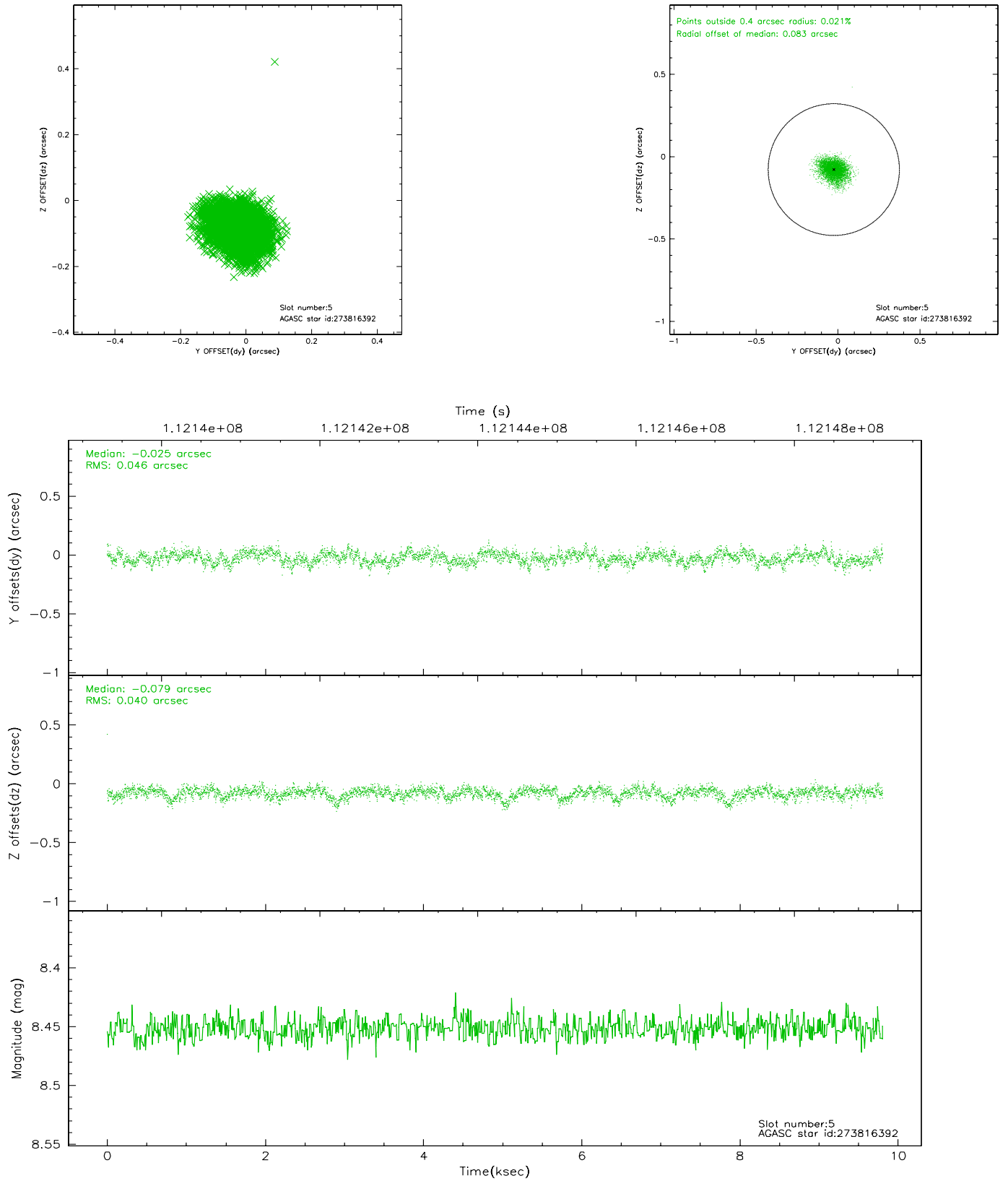
### 2.4.1 Slot 3



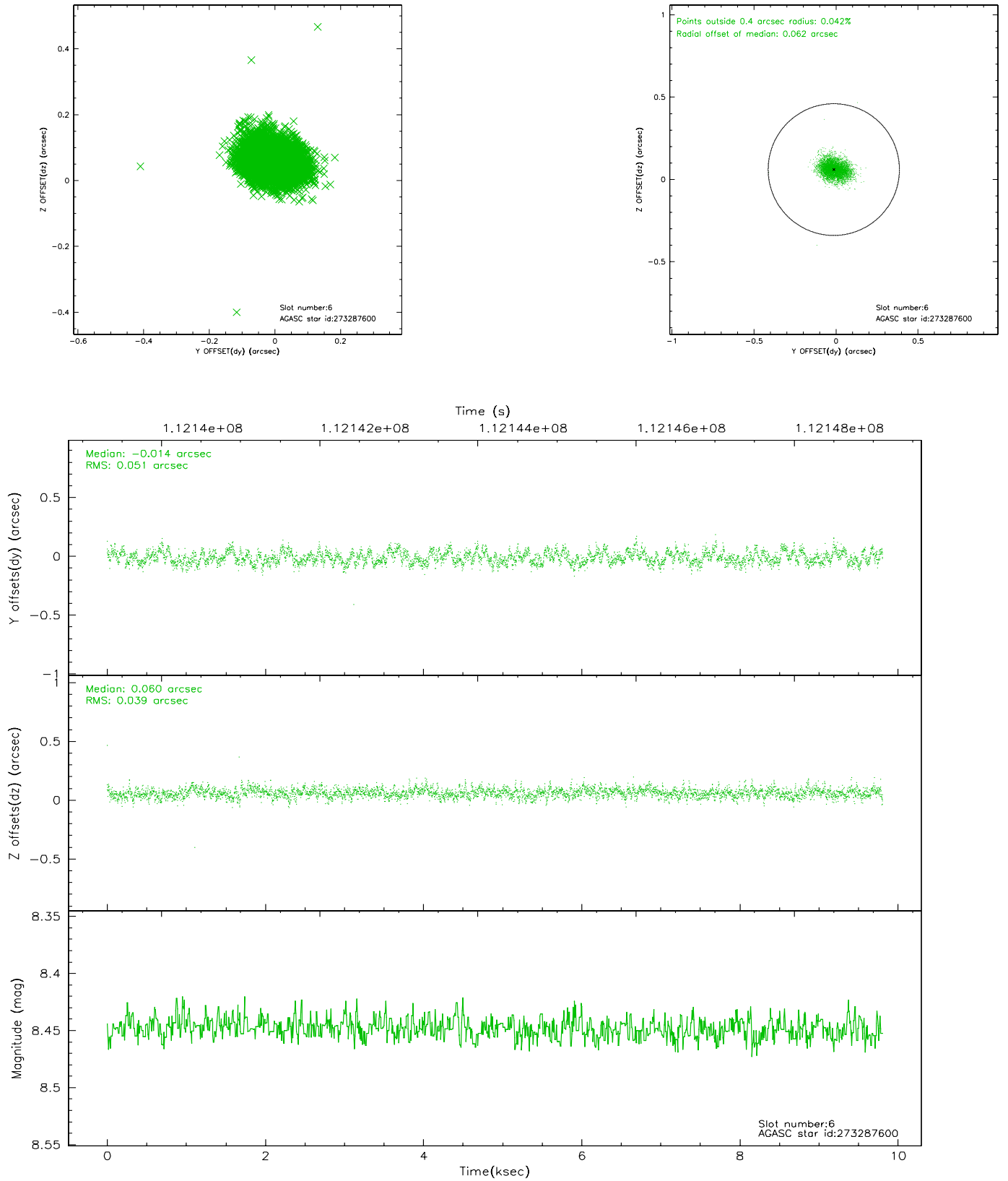
## 2.4.2 Slot 4



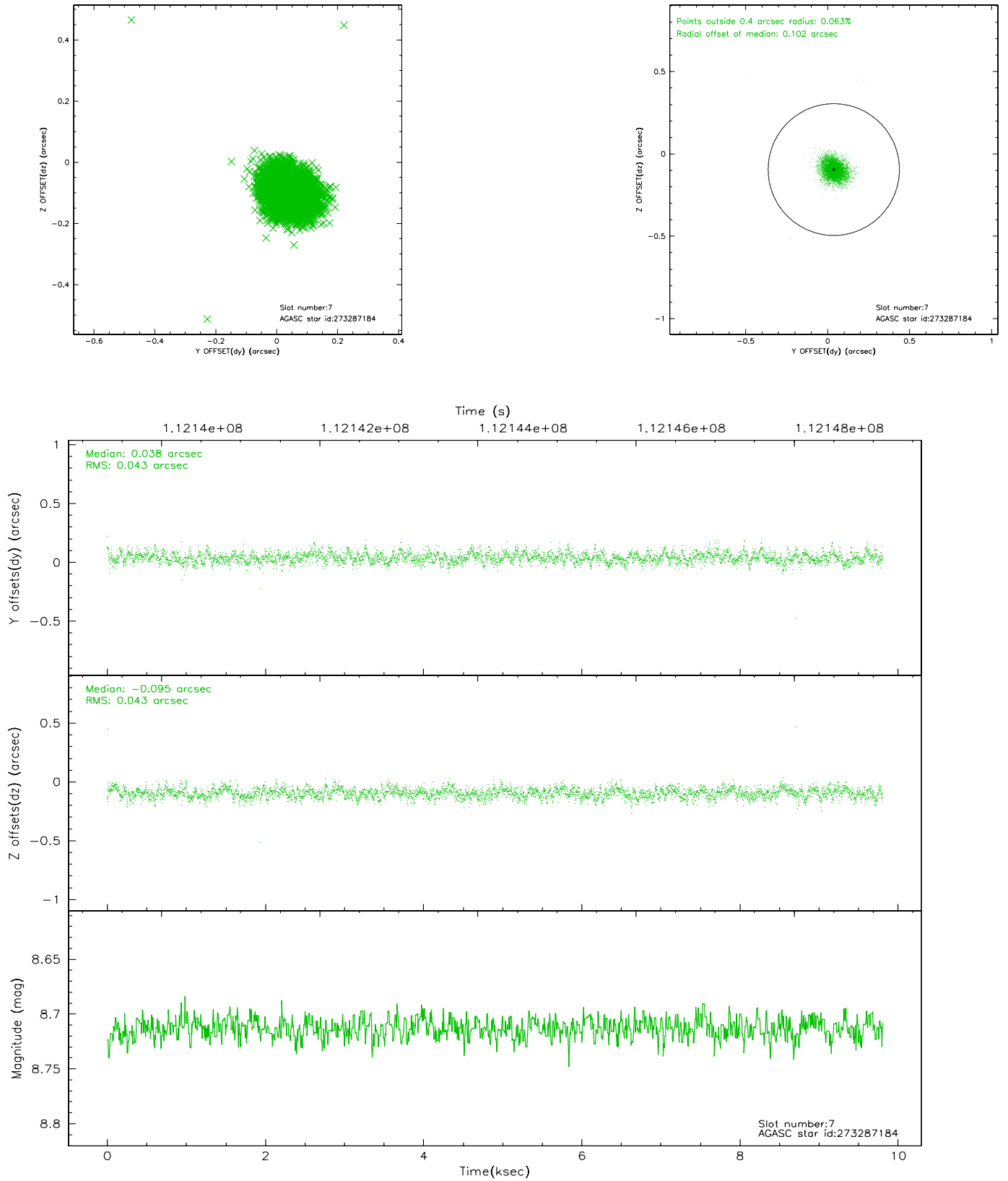
### 2.4.3 Slot 5



## 2.4.4 Slot 6

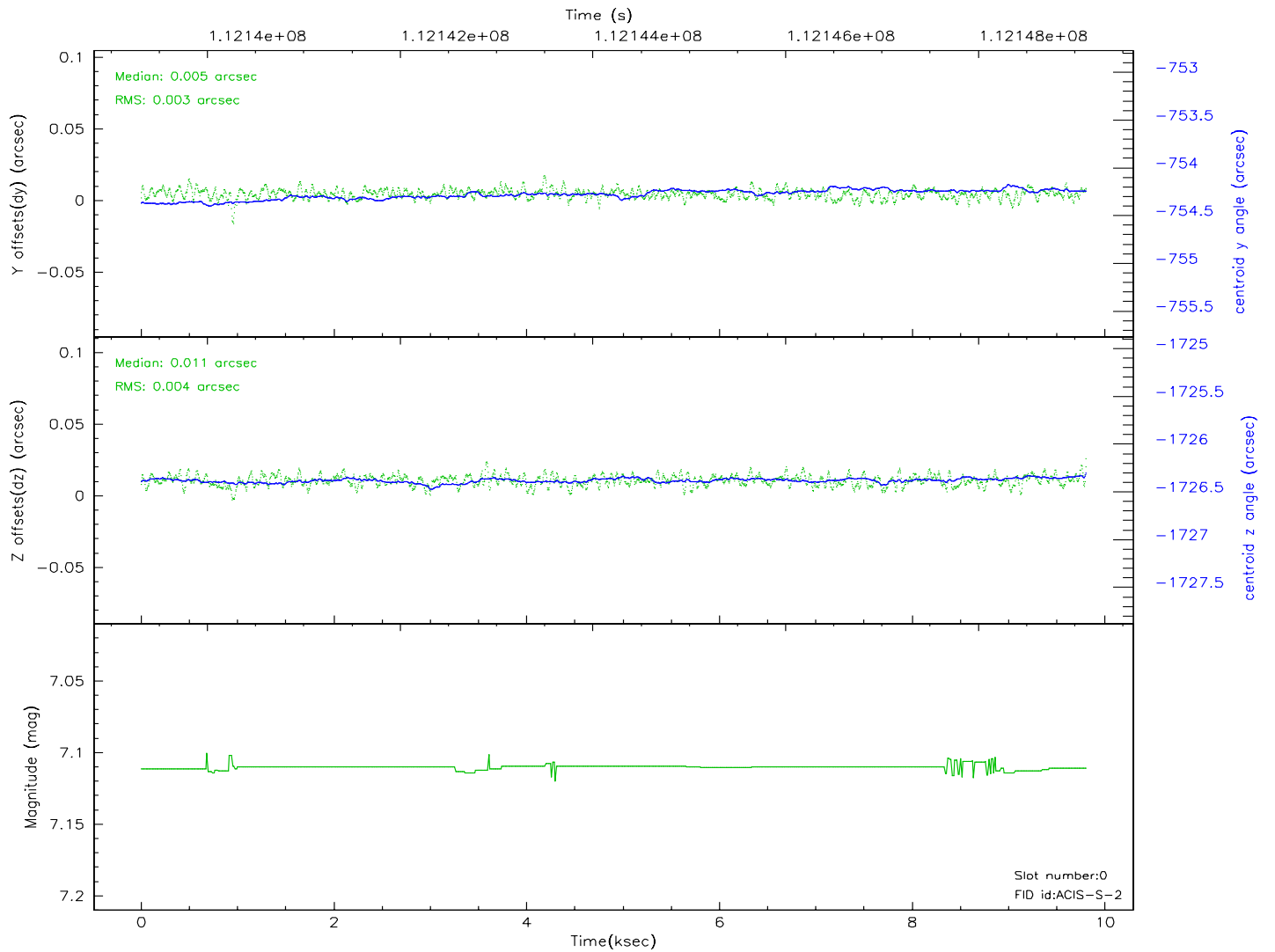
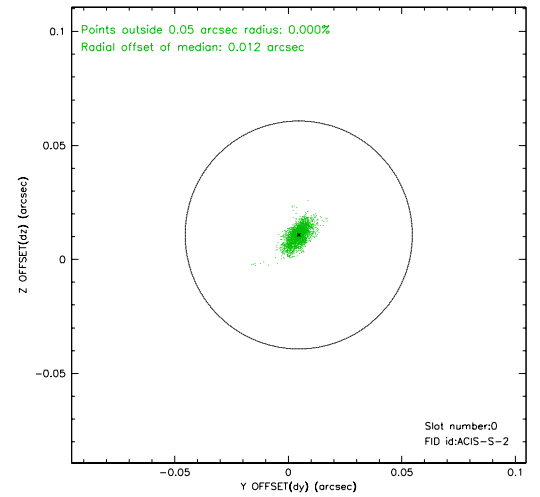
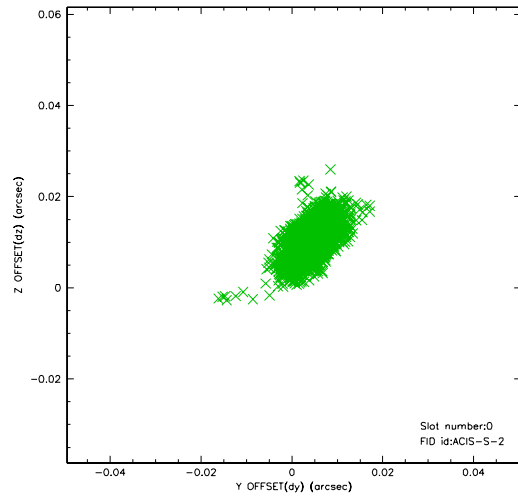


## 2.4.5 Slot 7

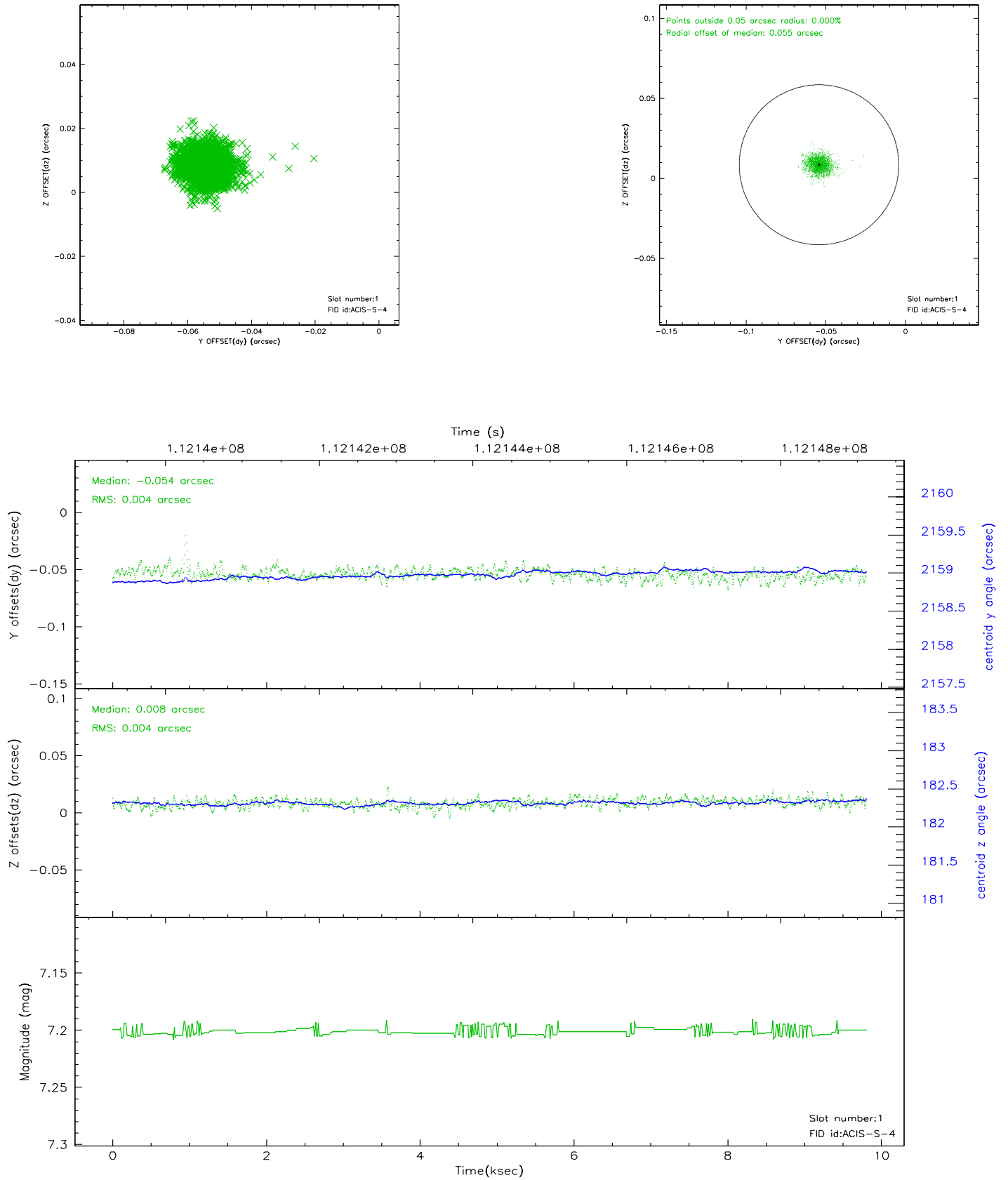


## 2.5 FID Slots

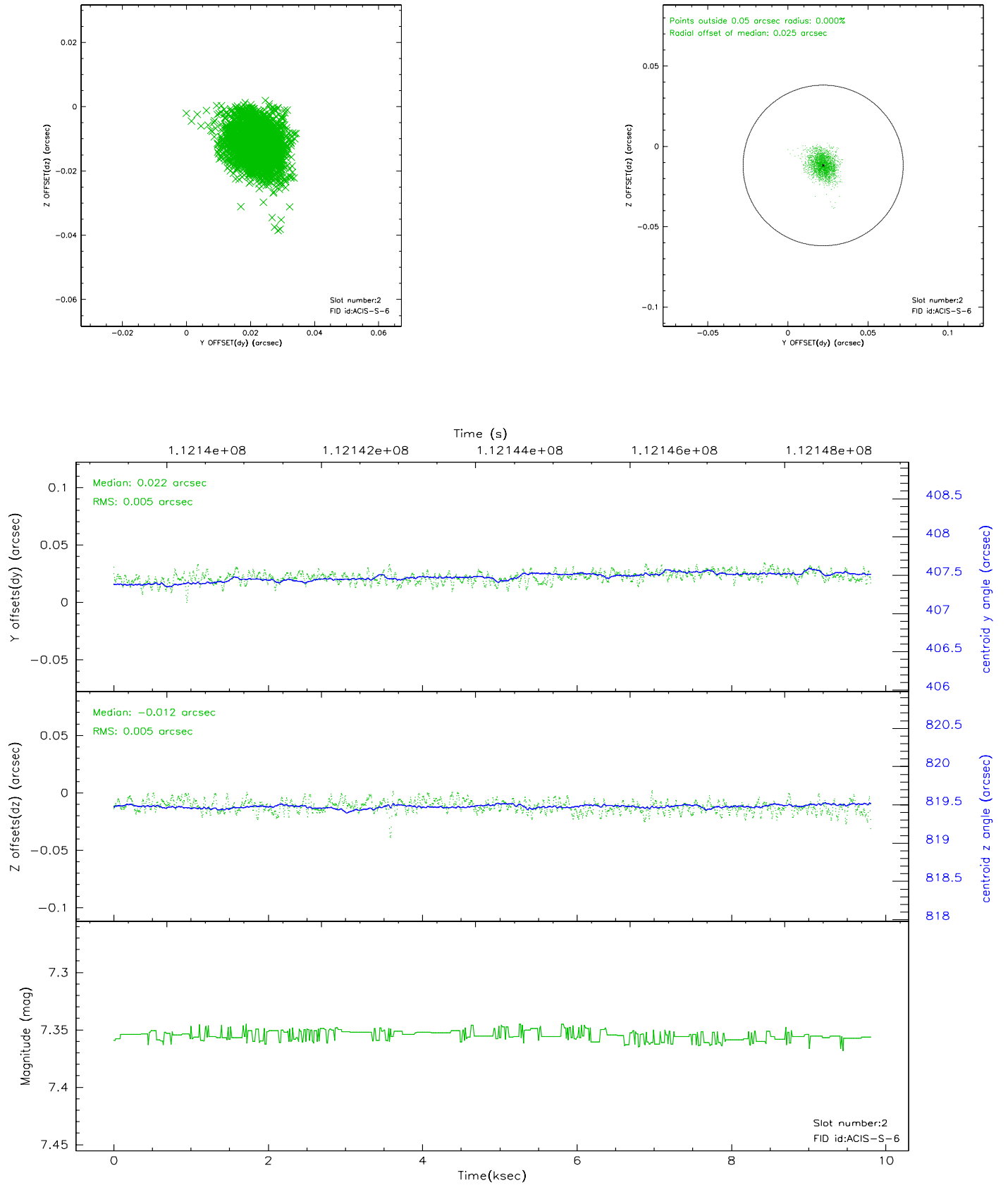
### 2.5.1 Slot 0



## 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)	2006.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.807

### A.2 Comments

Roll constraint met.