

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3051 - L2 Version 001  
Chandra X-Ray Center

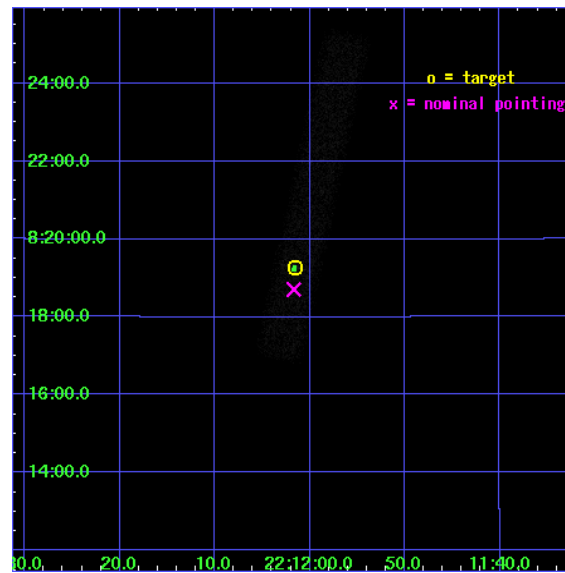
L2 Processing Date : Oct 11 2006

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

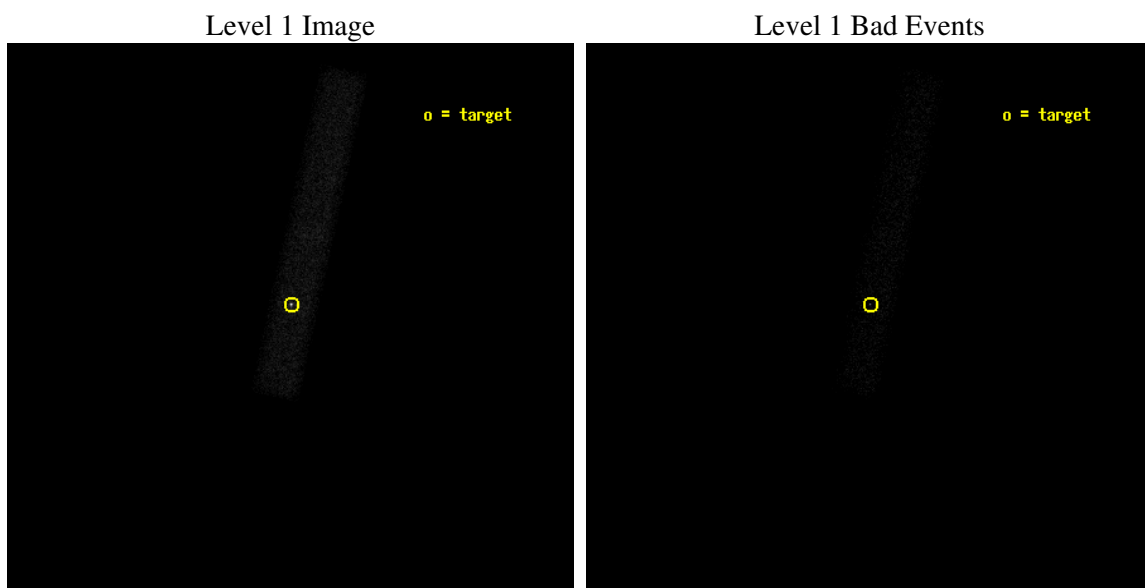
seq_num	700490
obs_id	3051
title	X-RAY IMAGING OF QUASAR JETS
observer	Professor Alan Marscher
object	2209+080
dtcycle	0
cycle	P
ra_targ	333.006667
dec_targ	8.321389
ra_nom	333.00703647916
dec_nom	8.3116855262682
roll_nom	282.32544267956
revision	2
ontime	19670.800293118
livetime	17840.377555884
ontime7	19670.800293118
l2events	14280



## 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	2006-10-11T22:11:06
revision	2

sched_exp_time	19500.000000
ontime	20450.78390035
ontime7	20450.78390035
l1events	27860

### 2.1.4 Events

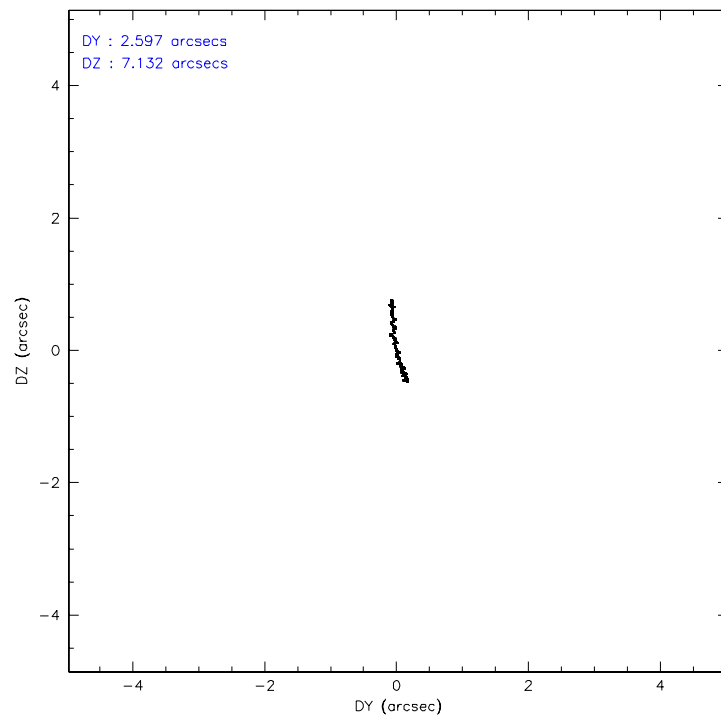
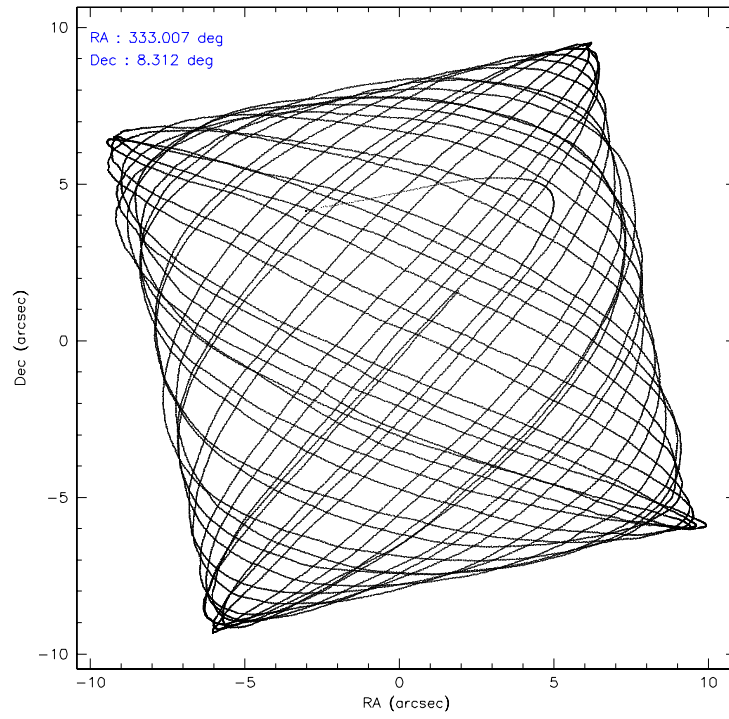
	<b>ccd 7</b>
level 1 events	27860
rejected events	13176
rejected %	47%

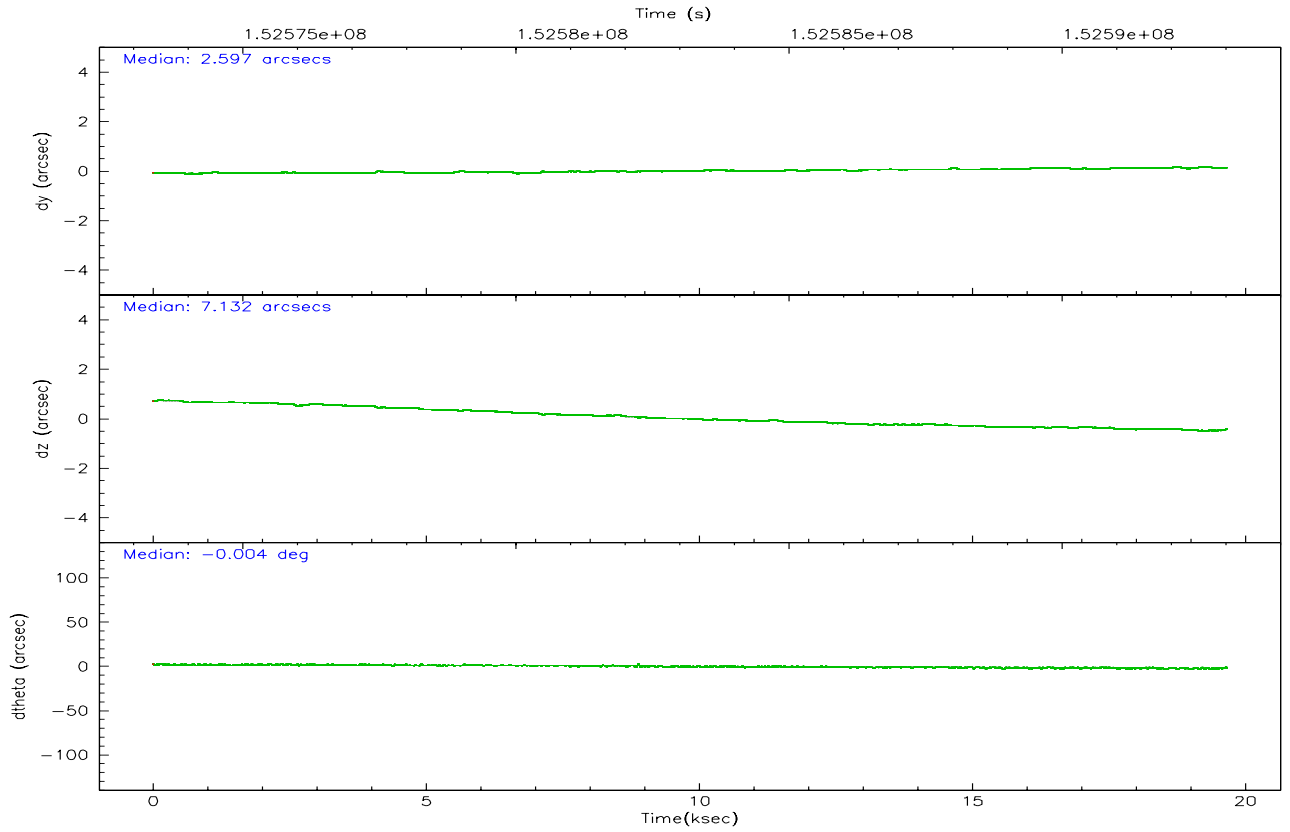
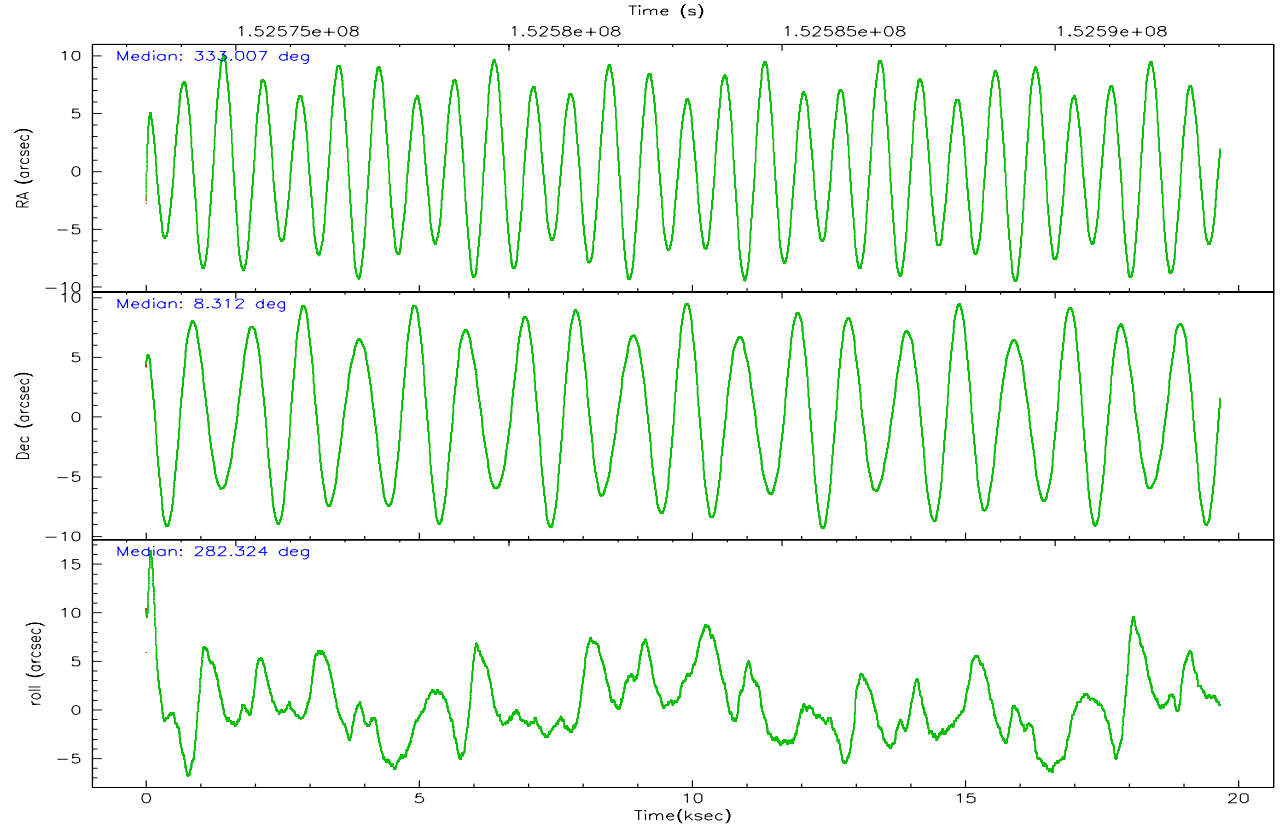
	<b>ccd 7</b>
grade 0 events	2331
	8%
grade 1 events	14
	0%
grade 2 events	3586
	12%
grade 3 events	1665
	5%
grade 4 events	1578
	5%
grade 5 events	1700
	6%
grade 6 events	5958
	21%
grade 7 events	11028
	39%

## 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	332.988244	333.0070364791614	Subarray requested	1/8	1/8
Pointing Dec	8.331608	8.311685526268233	Subarray start row	0	449
Pointing Roll	282.171532	282.325442679556	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	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	152573527.184000	152572521.4633			
Observation start date	2002-11-01T21:31:03	2002-11-01T21:15:21			
Observation end time	152593027.184000	152593471.95167			
Observation end date	2002-11-02T02:56:03	2002-11-02T03:04:31			
Read mode	TIMED	TIMED			

## 2.3 Aspect





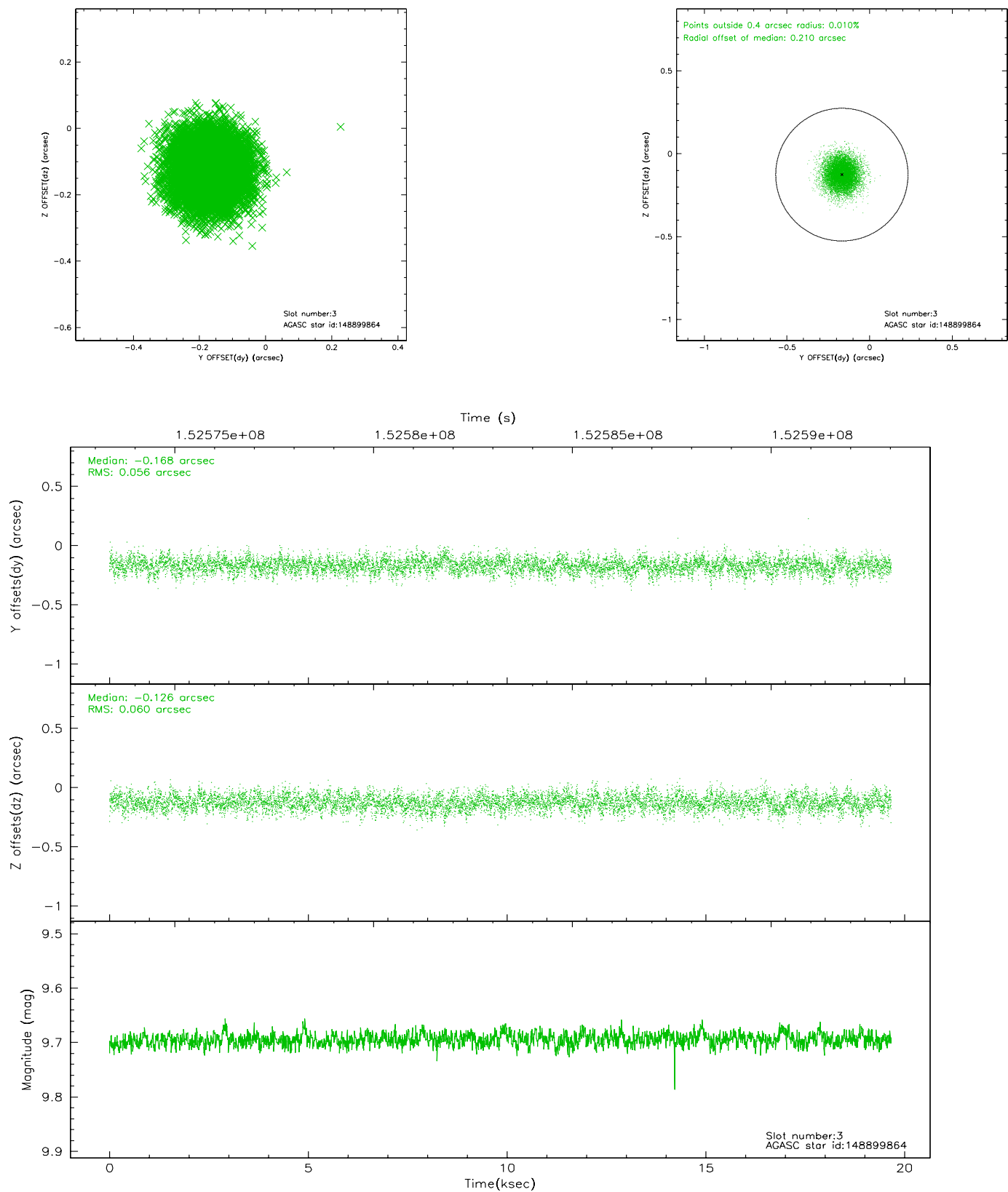
### Slot Statistics

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	4799	-0.008	0.027	0.010	0.015	0.000000	0.000000	-755.25	-1728.29
1	FID	ACIS-S-4	7.20	4799	-0.063	-0.003	0.009	0.015	0.000000	0.000000	2157.88	179.96
2	FID	ACIS-S-5	7.24	4799	0.039	-0.015	0.008	0.013	0.000000	0.000000	-1807.80	173.85
3	GUIDE	148899864	9.69	9593	-0.168	-0.126	0.088	0.142	332.292948	8.789261	-2133.35	-2069.80
4	GUIDE	149031320	9.24	9585	-0.085	0.050	0.090	0.149	333.386492	8.866170	-1582.59	1791.27
5	GUIDE	149034728	8.98	9594	0.118	0.124	0.082	0.129	333.393268	7.923123	1742.26	1102.95
6	GUIDE	149037600	9.69	9544	0.136	0.040	0.119	0.202	333.285637	7.767419	2210.23	609.70
7	GUIDE	148899280	9.56	9590	0.006	-0.086	0.102	0.162	332.639920	8.009226	873.48	-1457.67

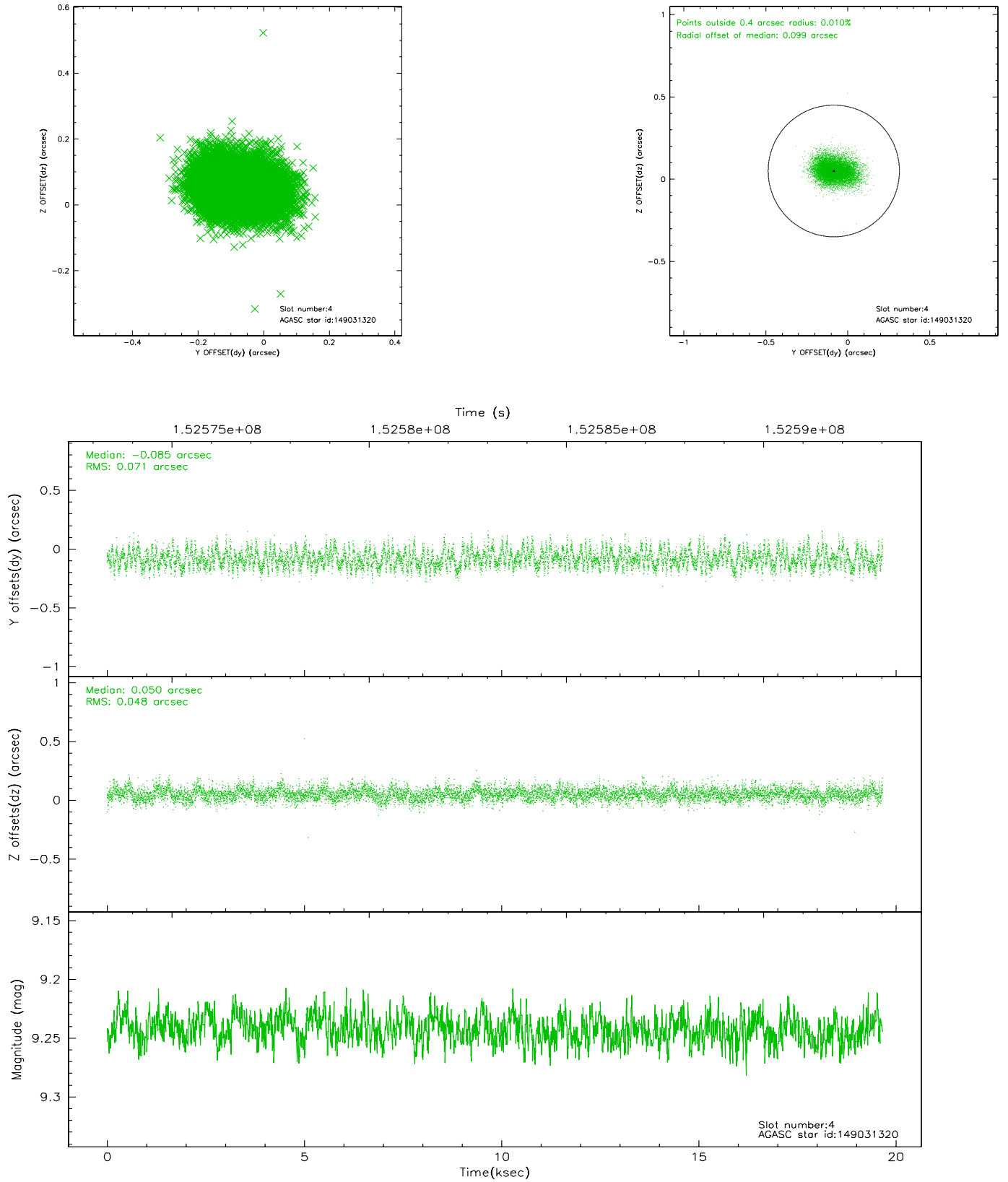


## 2.4 Star Slots

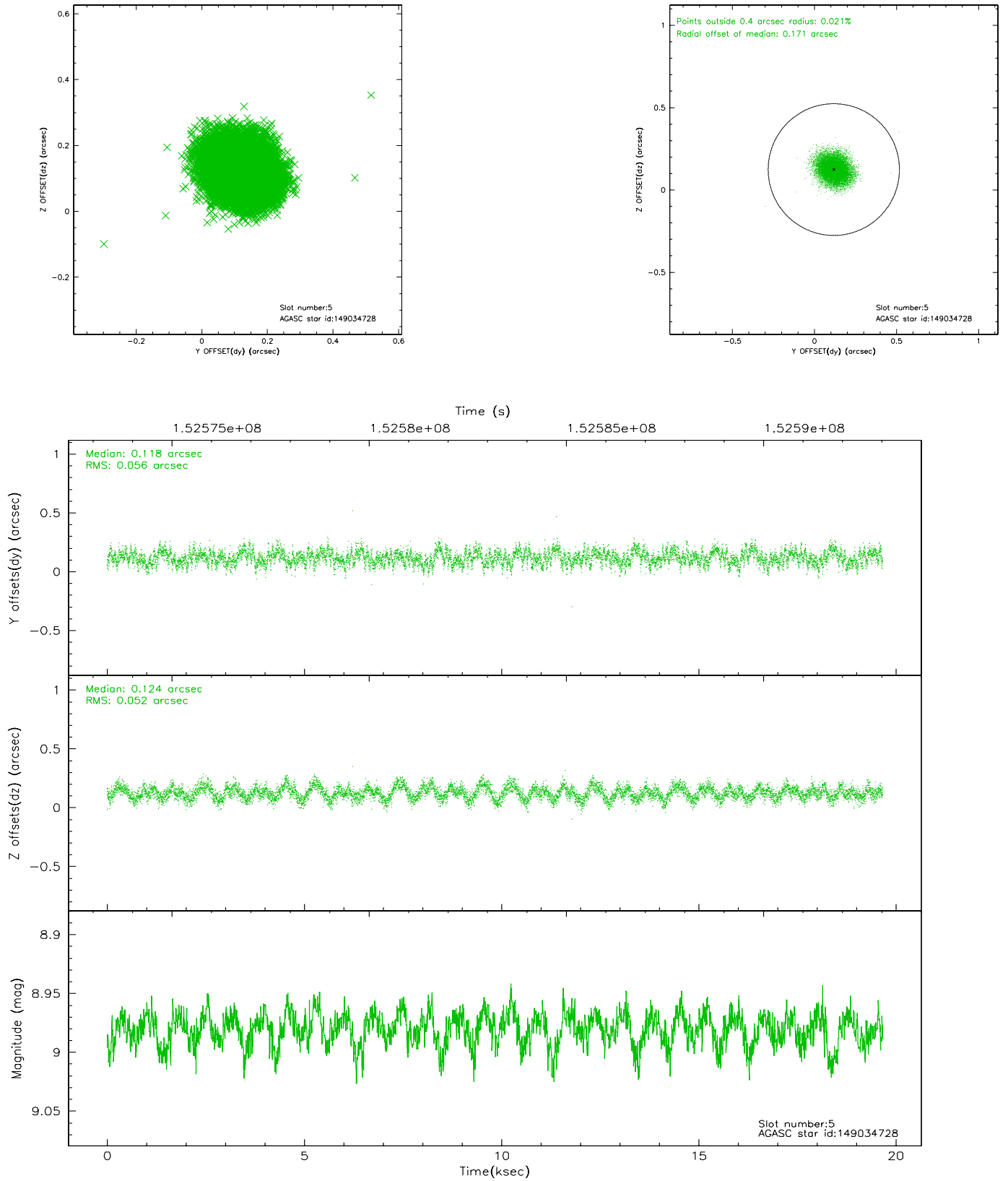
### 2.4.1 Slot 3



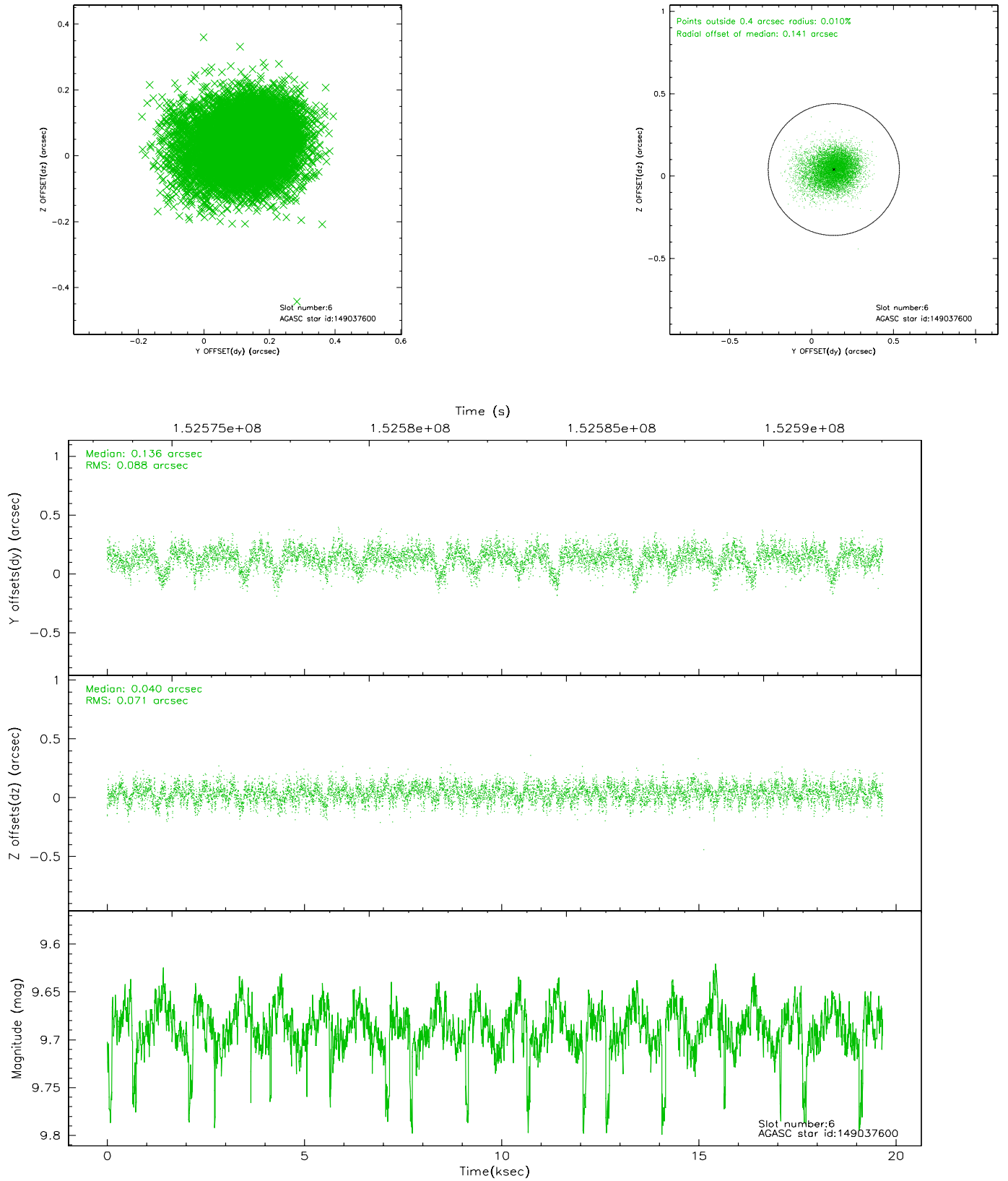
## 2.4.2 Slot 4



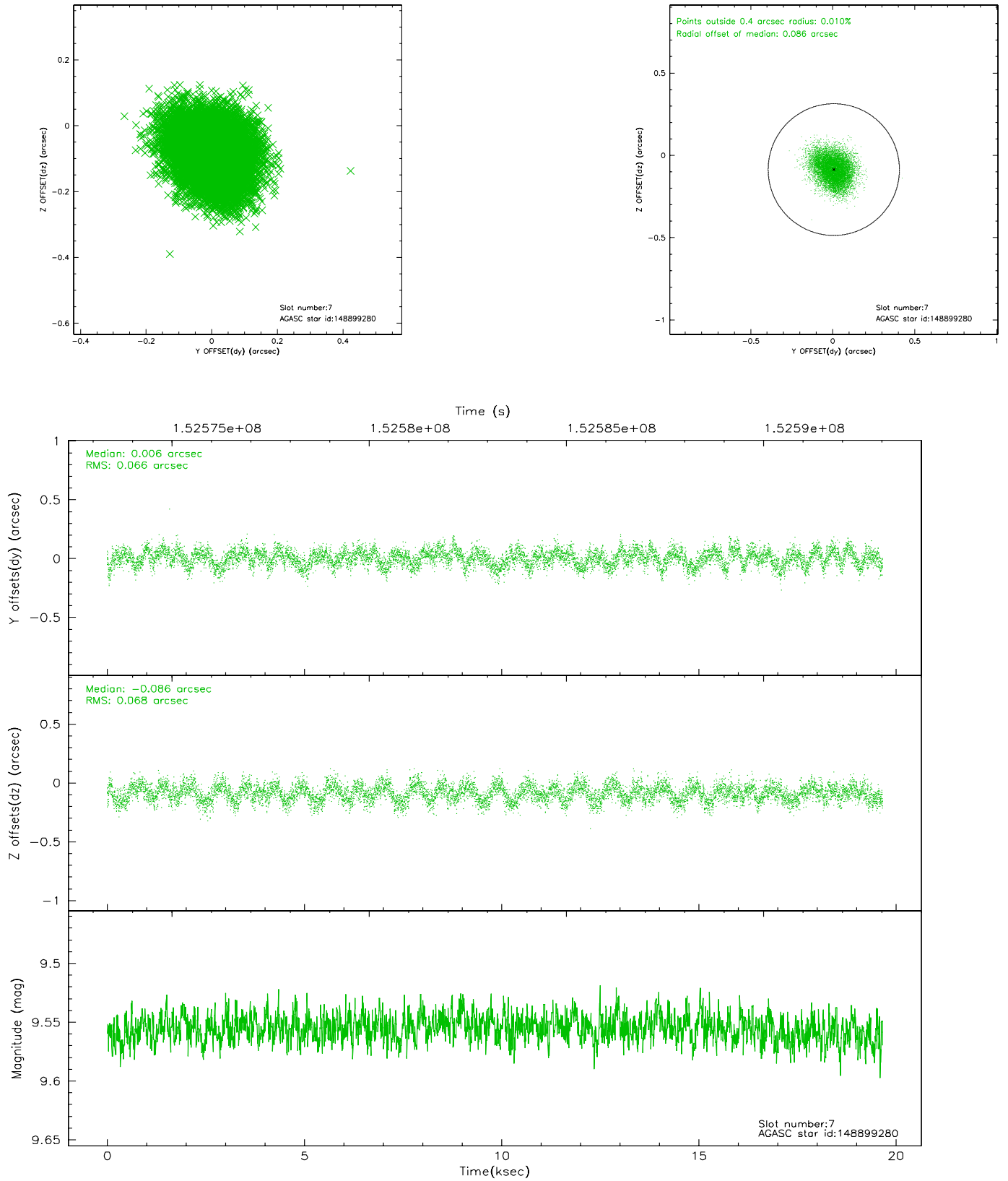
### 2.4.3 Slot 5



## 2.4.4 Slot 6

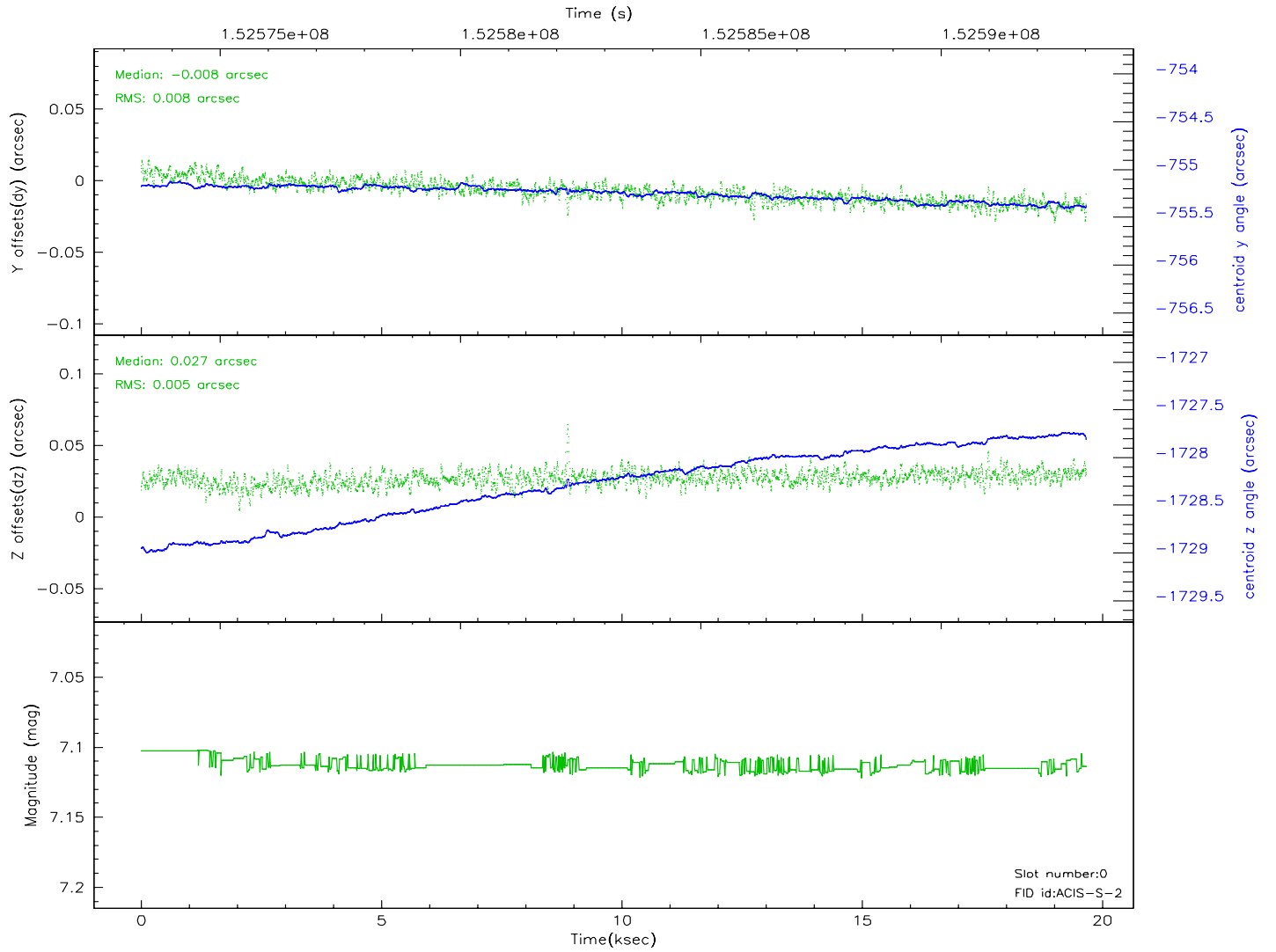
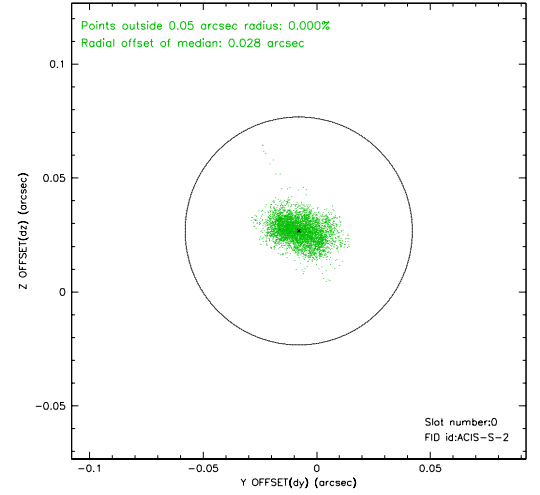
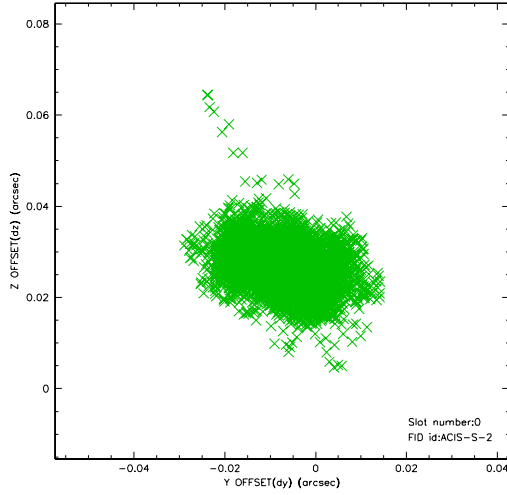


## 2.4.5 Slot 7

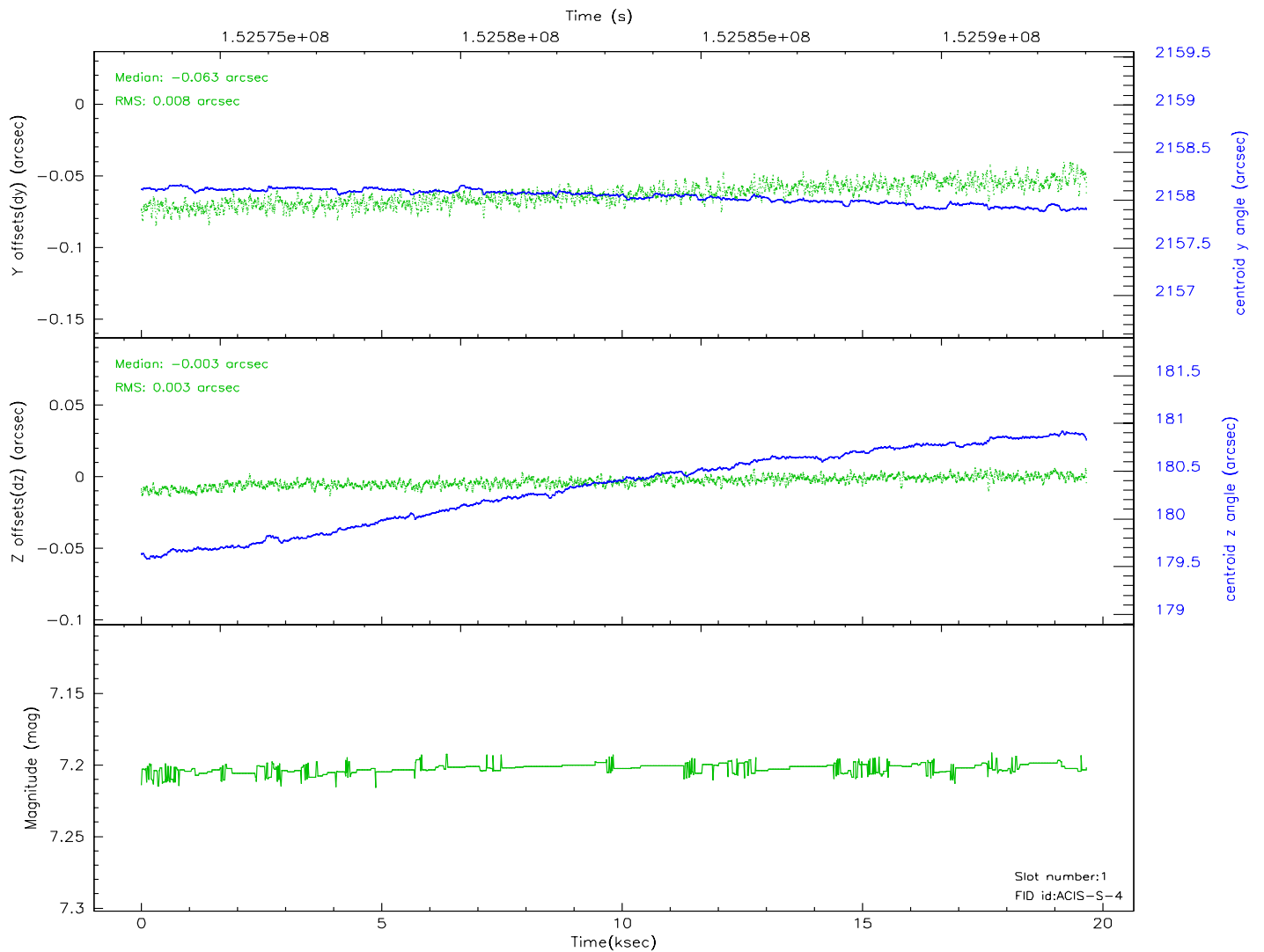
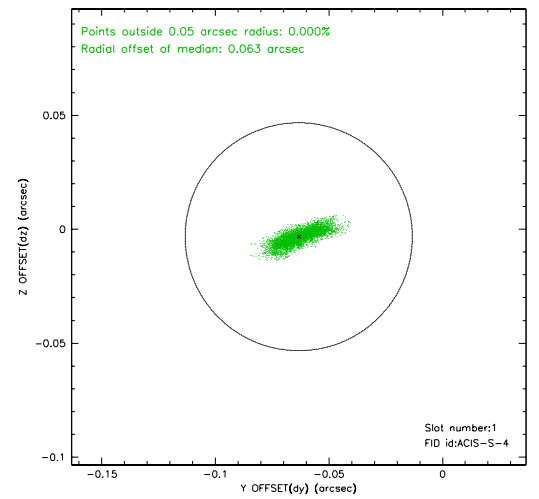
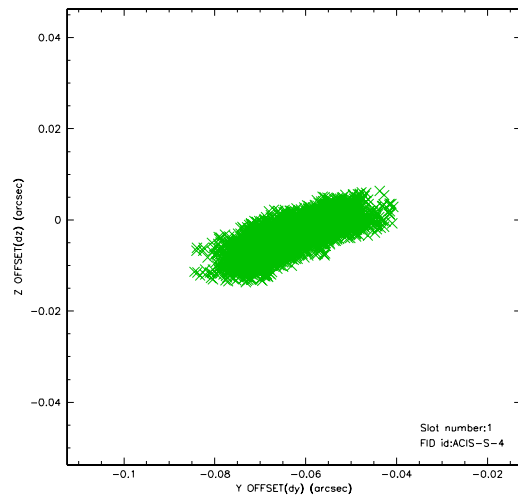


## 2.5 FID Slots

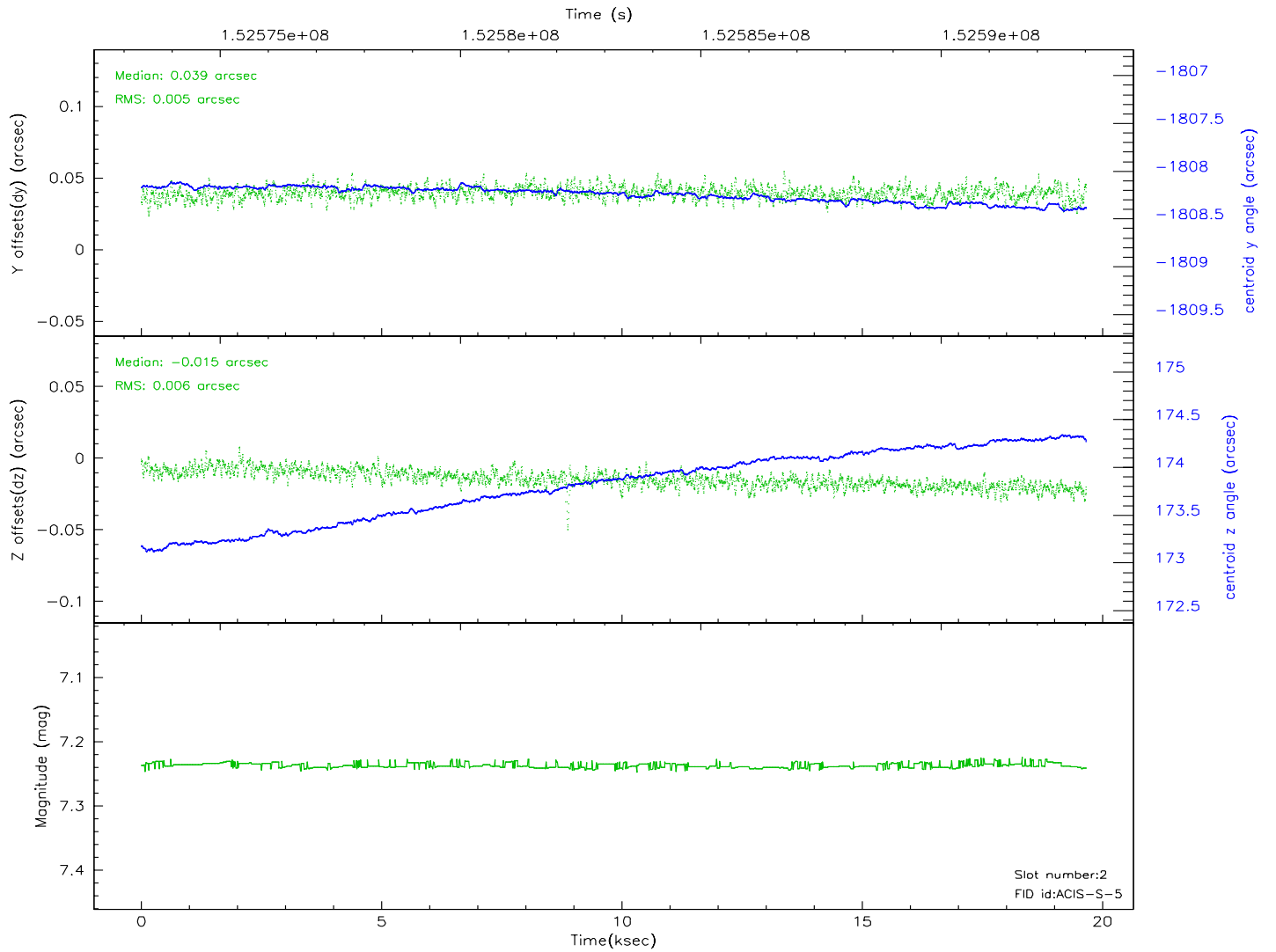
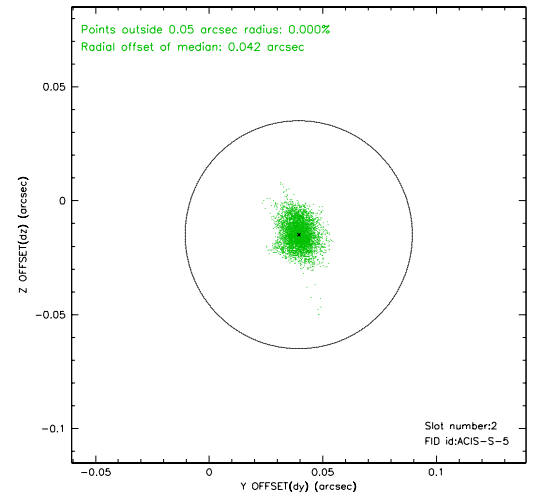
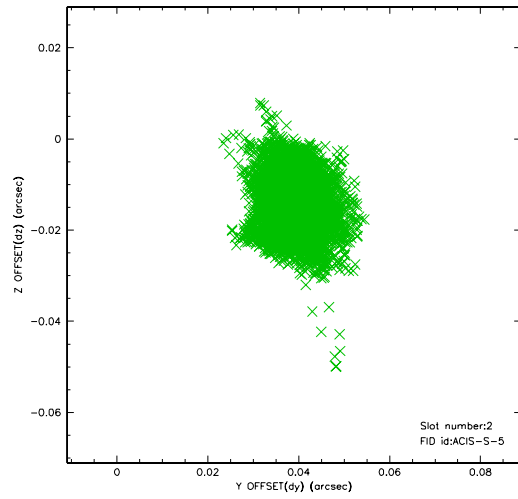
### 2.5.1 Slot 0



## 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)	2006.10.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.67

### A.2 Comments