

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2437 - L2 Version 001  
Chandra X-Ray Center

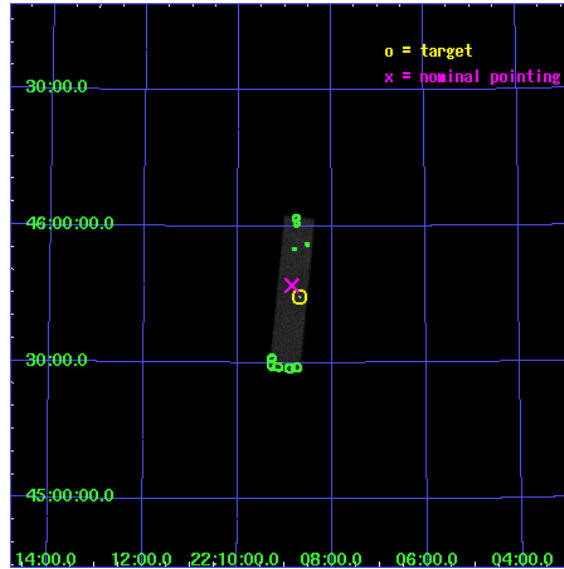
L2 Processing Date : Nov 21 2006

## 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	Parameters . . . . .	4
2.1.3	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

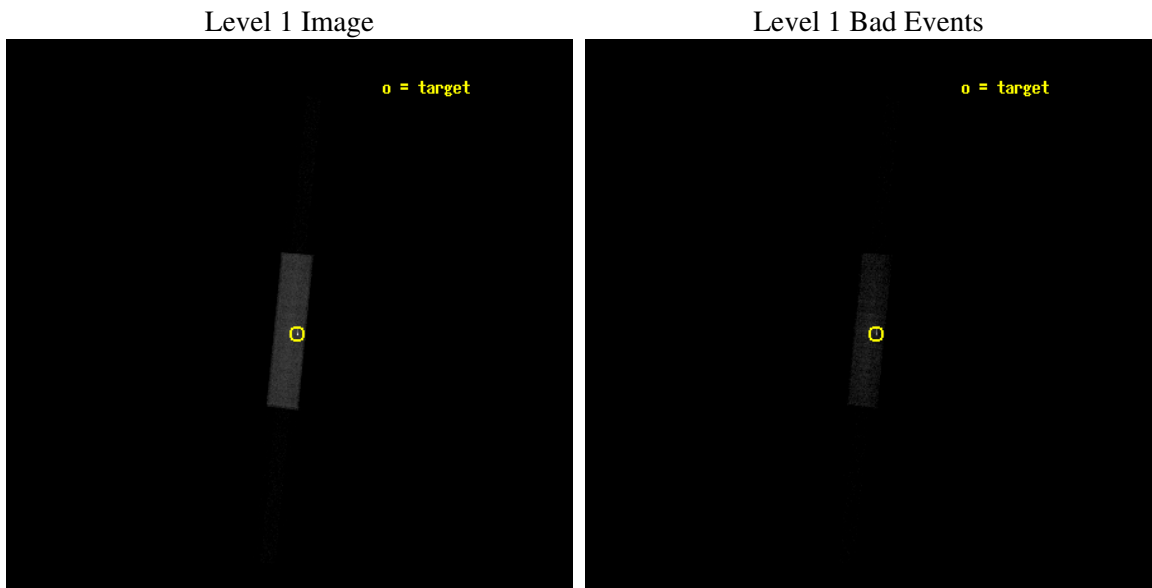
seq_num	290078
obs_id	2437
title	HRC-S CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.2129152323
dec_nom	45.784576787165
roll_nom	95.646792289109
revision	4
ontime	1375.8063034415
livetime	1368.1053443869
l2events	51251



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-11-21T15:24:50
revision	3

sched_exp_time	1234.000000
ontime	1417.8313050717
l1events	87616

### 2.1.3 Events

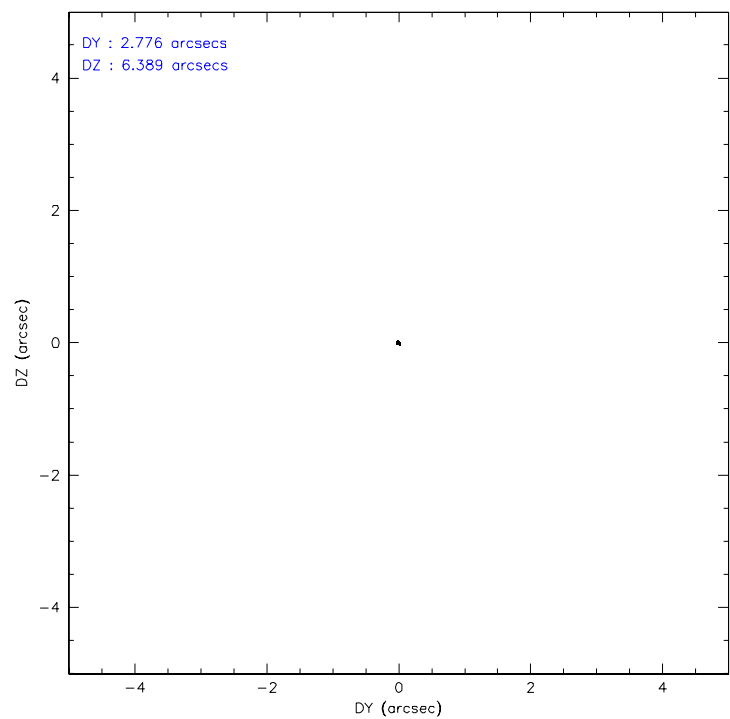
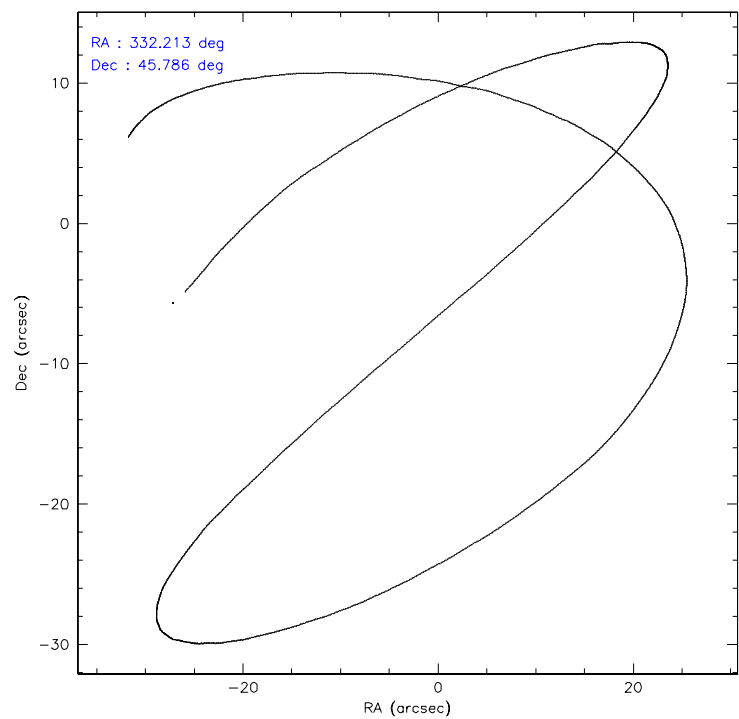
Level 1 Events

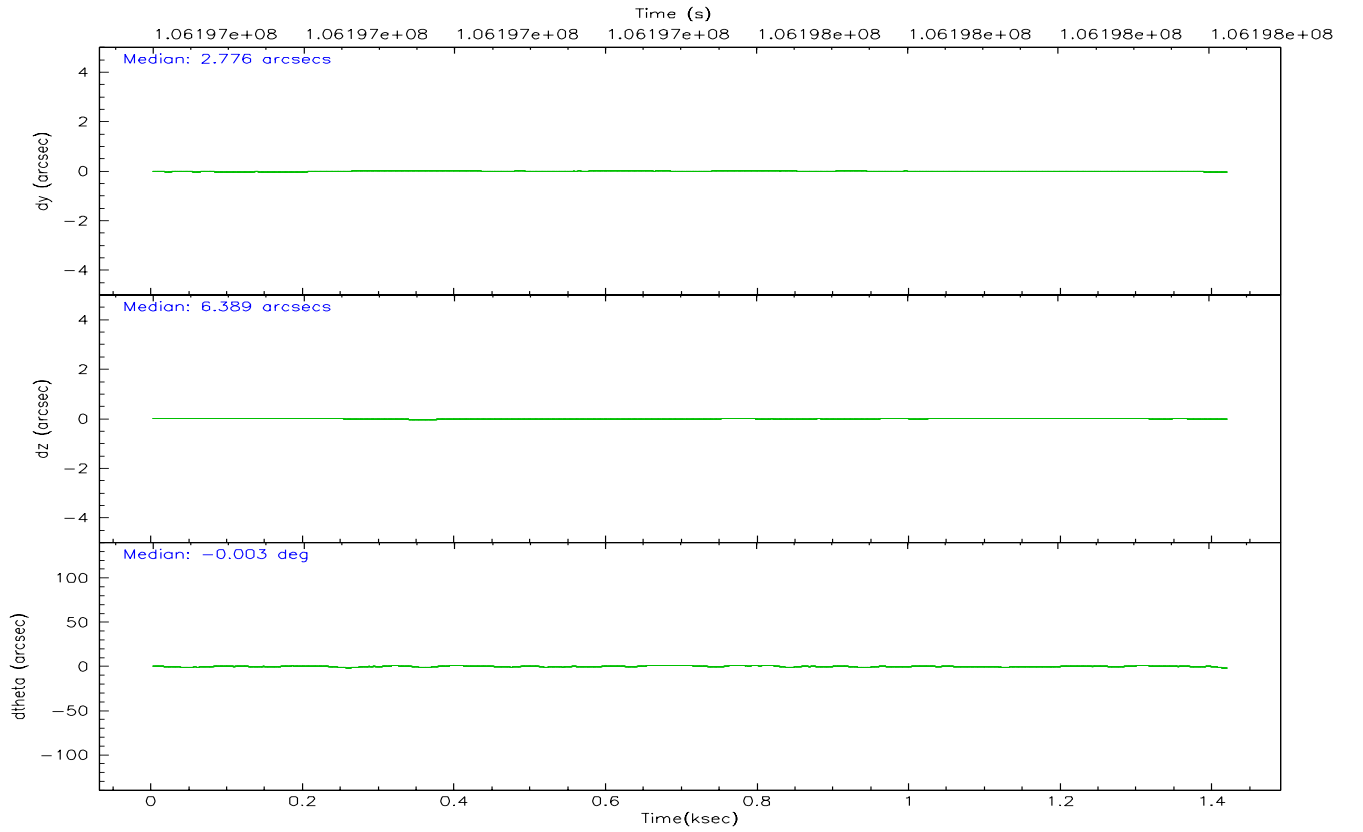
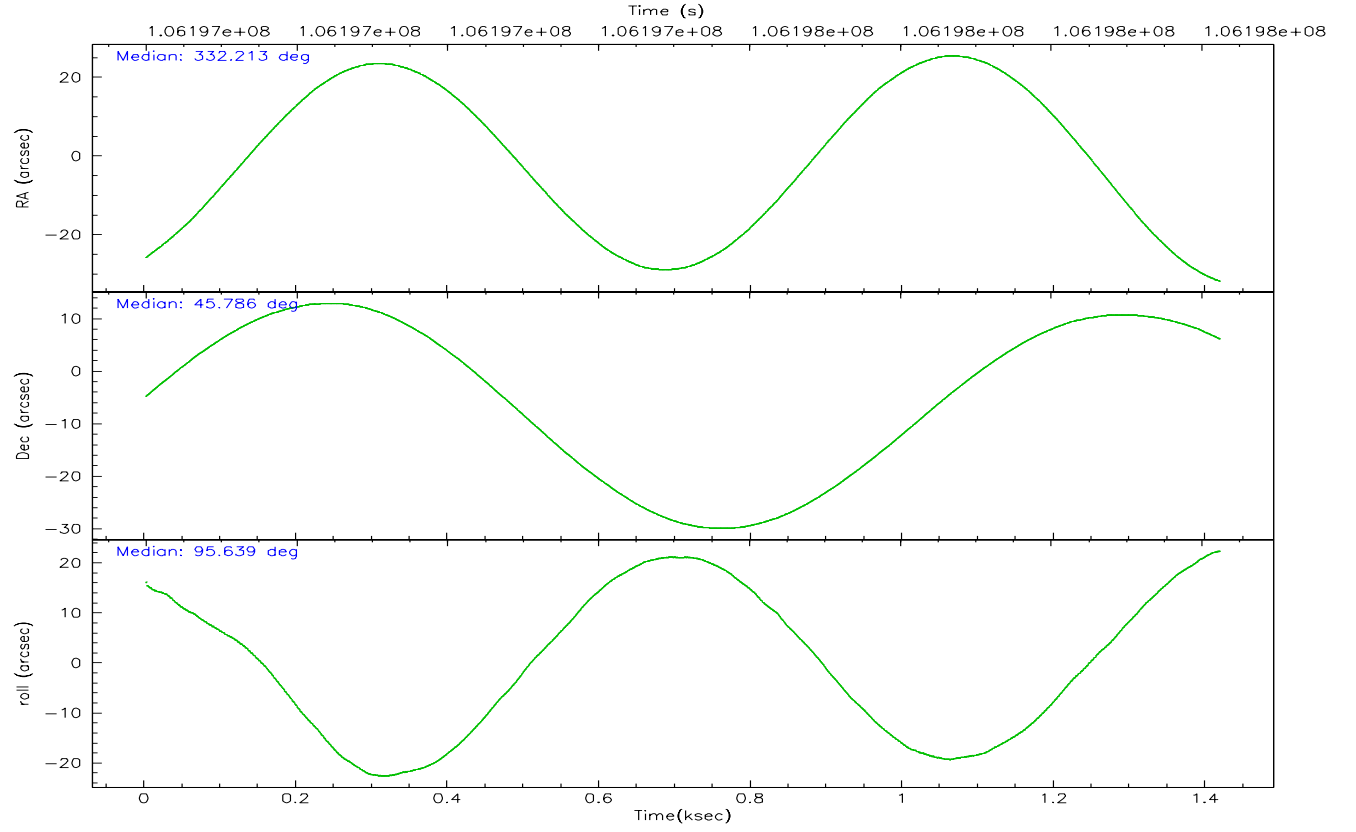
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1143	85388	1085
rejected events	1143	30728	1085
rejected %	100%	35%	100%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.237941	332.2129152322966			
Pointing Dec	45.761003	45.78457678716467			
Pointing Roll	95.561555	95.6467922891093			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	106196987.184000	106196610.87052			
Observation start date	2001-05-14T03:08:43	2001-05-14T03:03:30			
Observation end time	106198221.184000	106198354.90809			
Observation end date	2001-05-14T03:29:17	2001-05-14T03:32:34			

## 2.3 Aspect





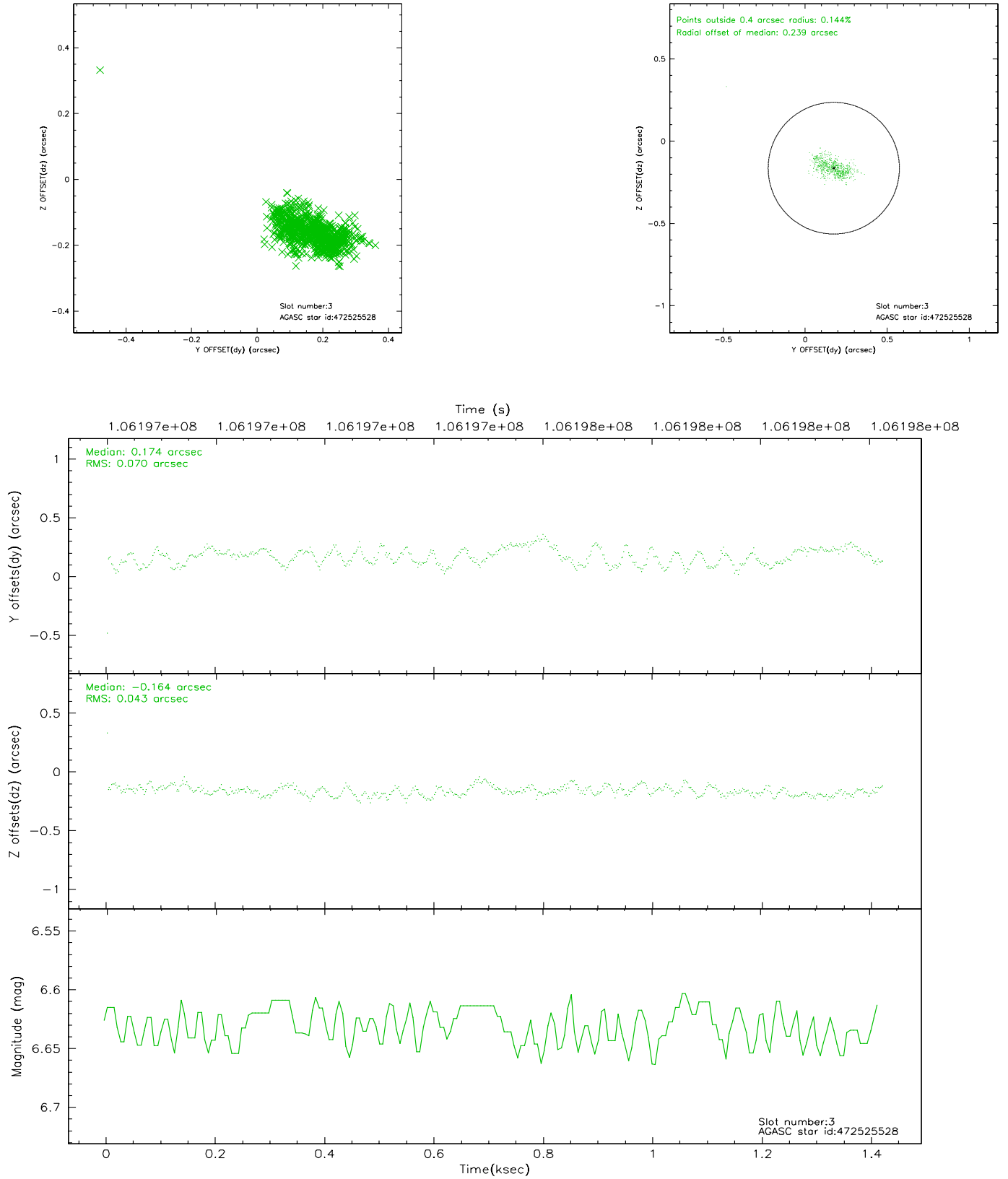
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	346	0.141	-0.114	0.006	0.011	0.000000	0.000000	-1156.80	-454.90
1	FID	HRC-S-2	6.98	346	0.115	-0.098	0.004	0.010	0.000000	0.000000	1239.51	-448.85
2	FID	HRC-S-3	7.00	346	0.135	-0.089	0.007	0.011	0.000000	0.000000	-1155.94	573.36
3	GUIDE	472525528	6.63	693	0.174	-0.164	0.083	0.130	331.551102	45.248694	-1663.73	1911.24
4	GUIDE	472527720	7.01	693	0.159	-0.077	0.083	0.134	331.460205	45.112509	-2129.28	2195.37
5	GUIDE	472535576	7.85	693	-0.167	-0.116	0.054	0.084	331.438373	46.291802	2097.04	1797.84
6	GUIDE	472665256	9.00	693	-0.110	0.240	0.071	0.121	332.808125	46.195041	1421.63	-1562.11
7	GUIDE	472659832	9.46	692	-0.065	0.113	0.090	0.154	332.780399	46.098139	1079.49	-1466.84

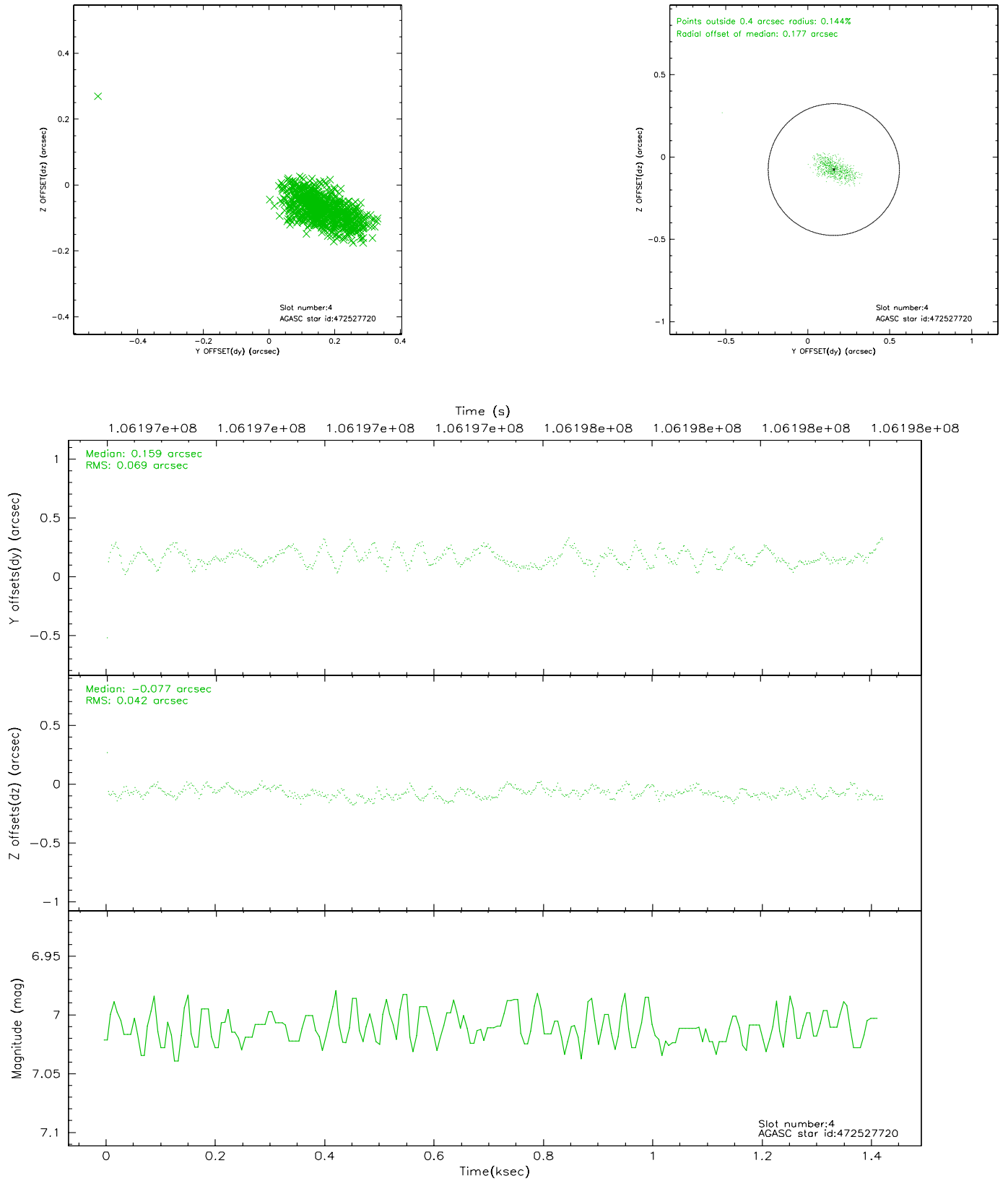


## 2.4 Star Slots

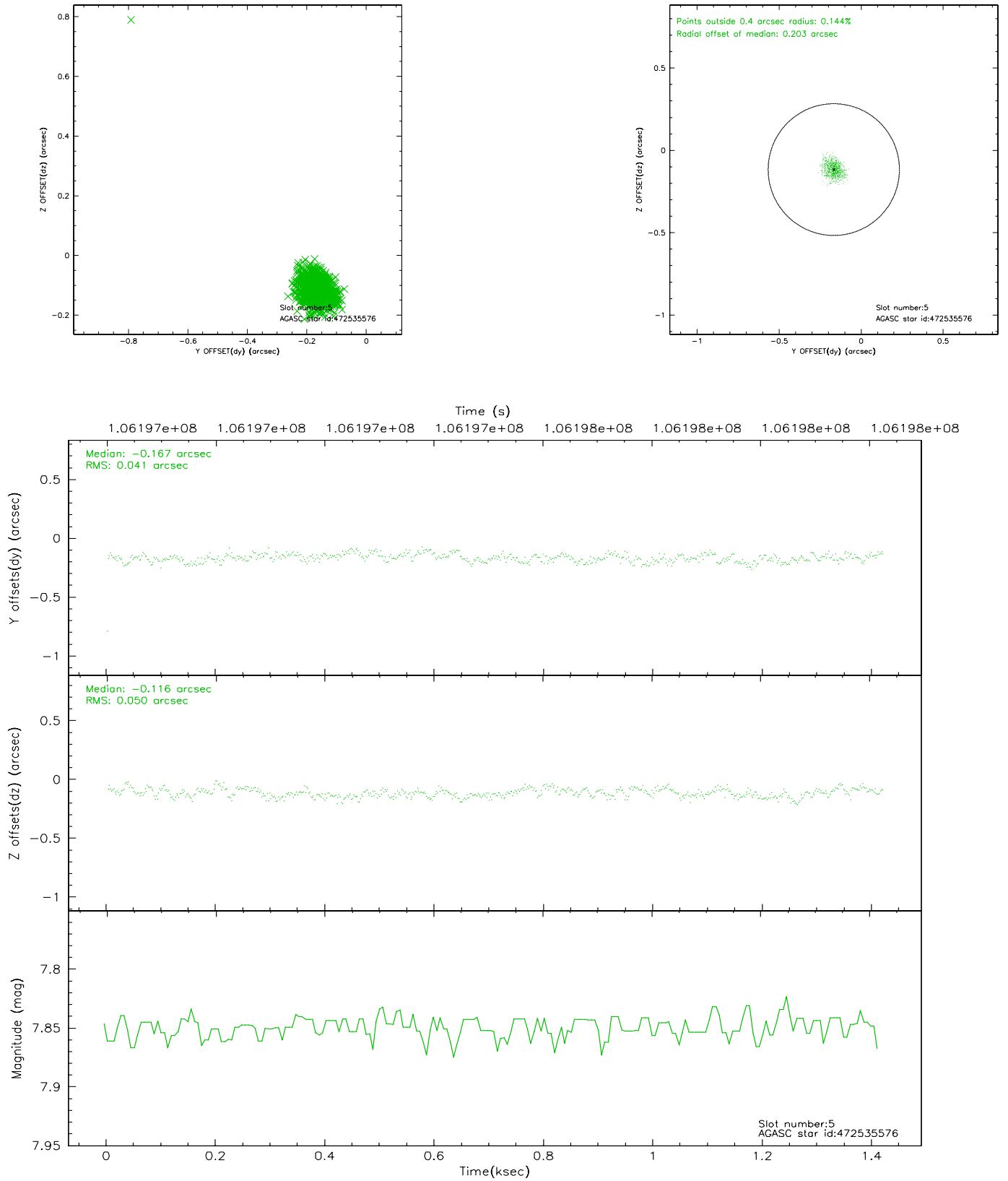
### 2.4.1 Slot 3



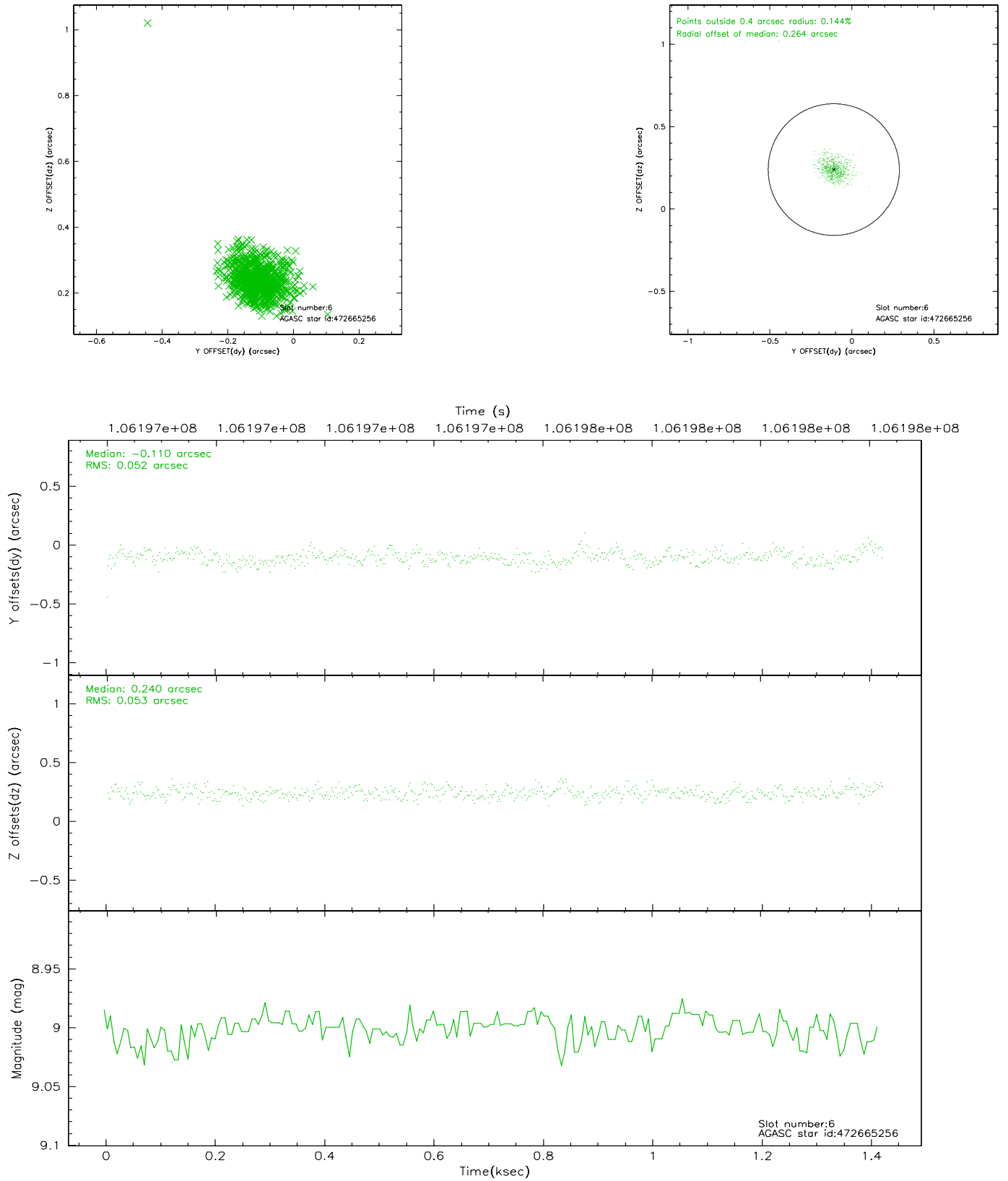
## 2.4.2 Slot 4



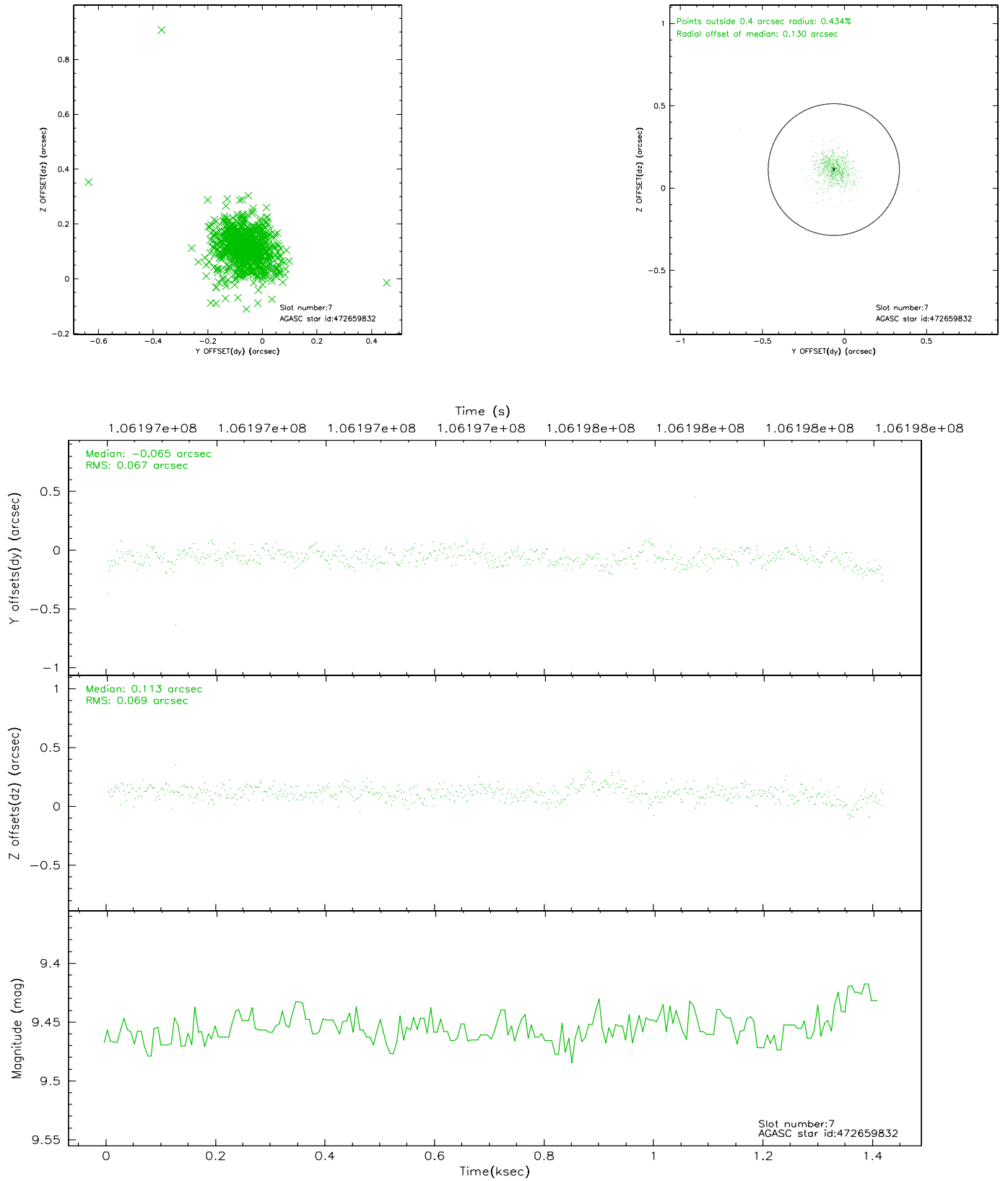
### 2.4.3 Slot 5



## 2.4.4 Slot 6

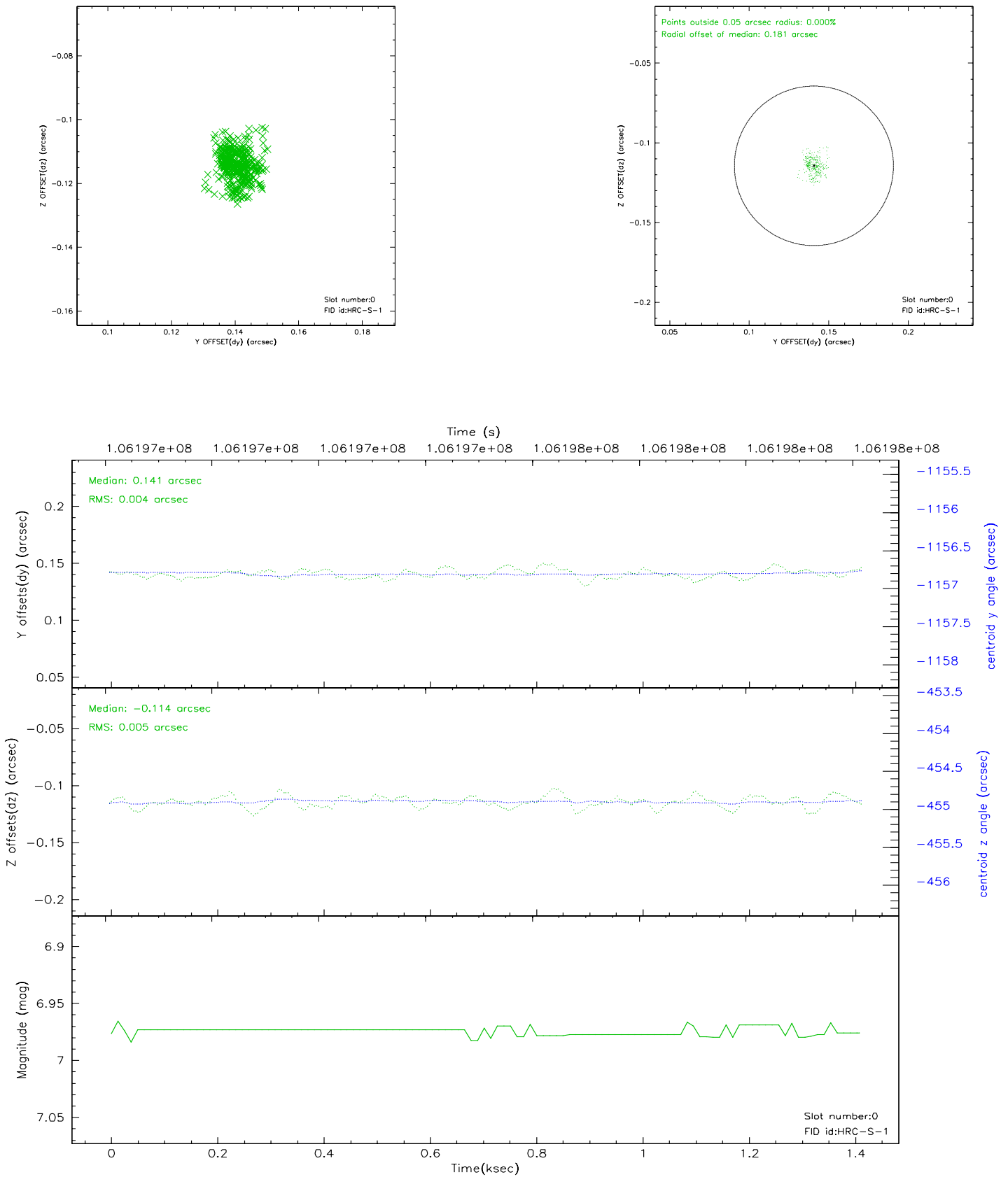


## 2.4.5 Slot 7

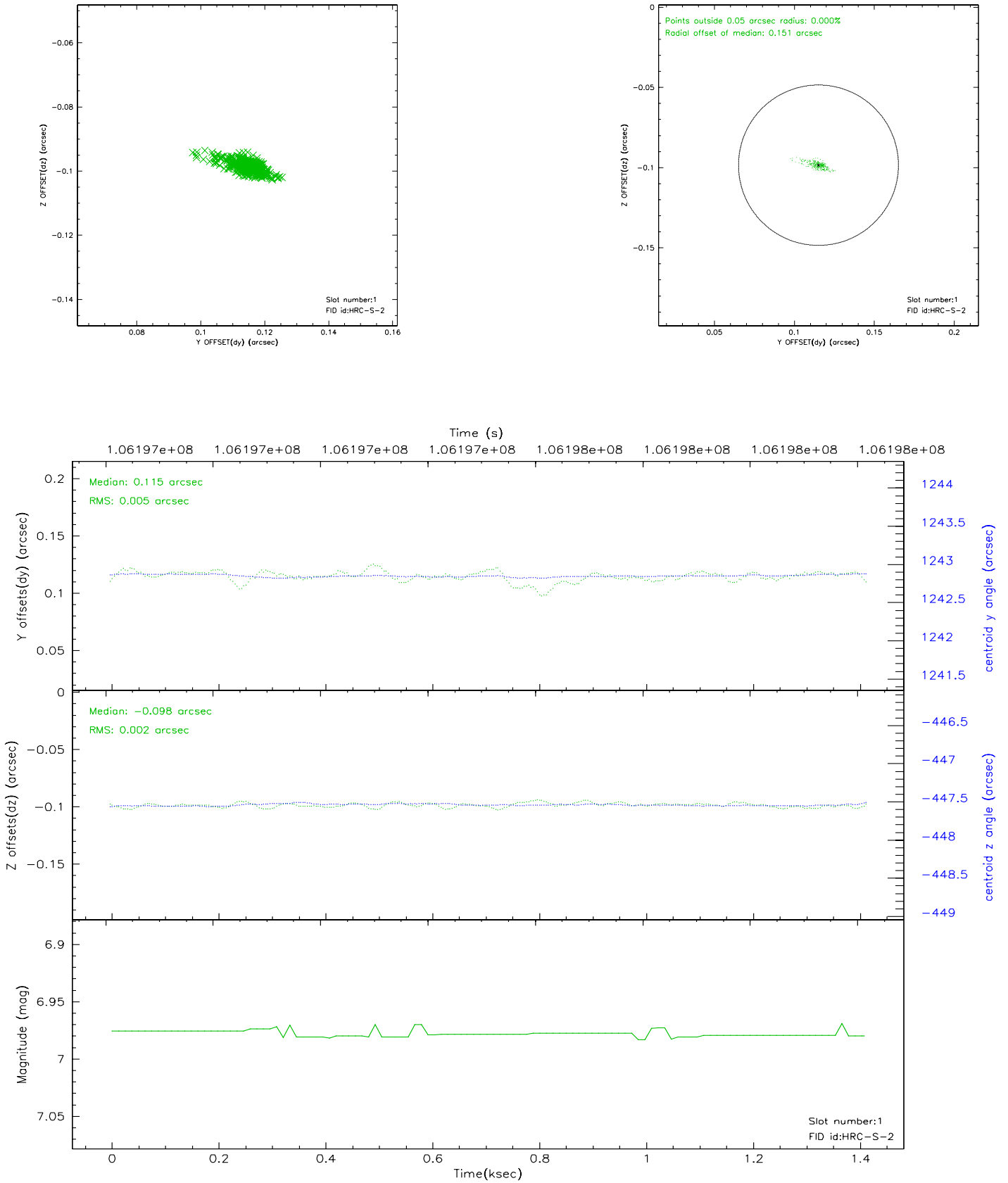


## 2.5 FID Slots

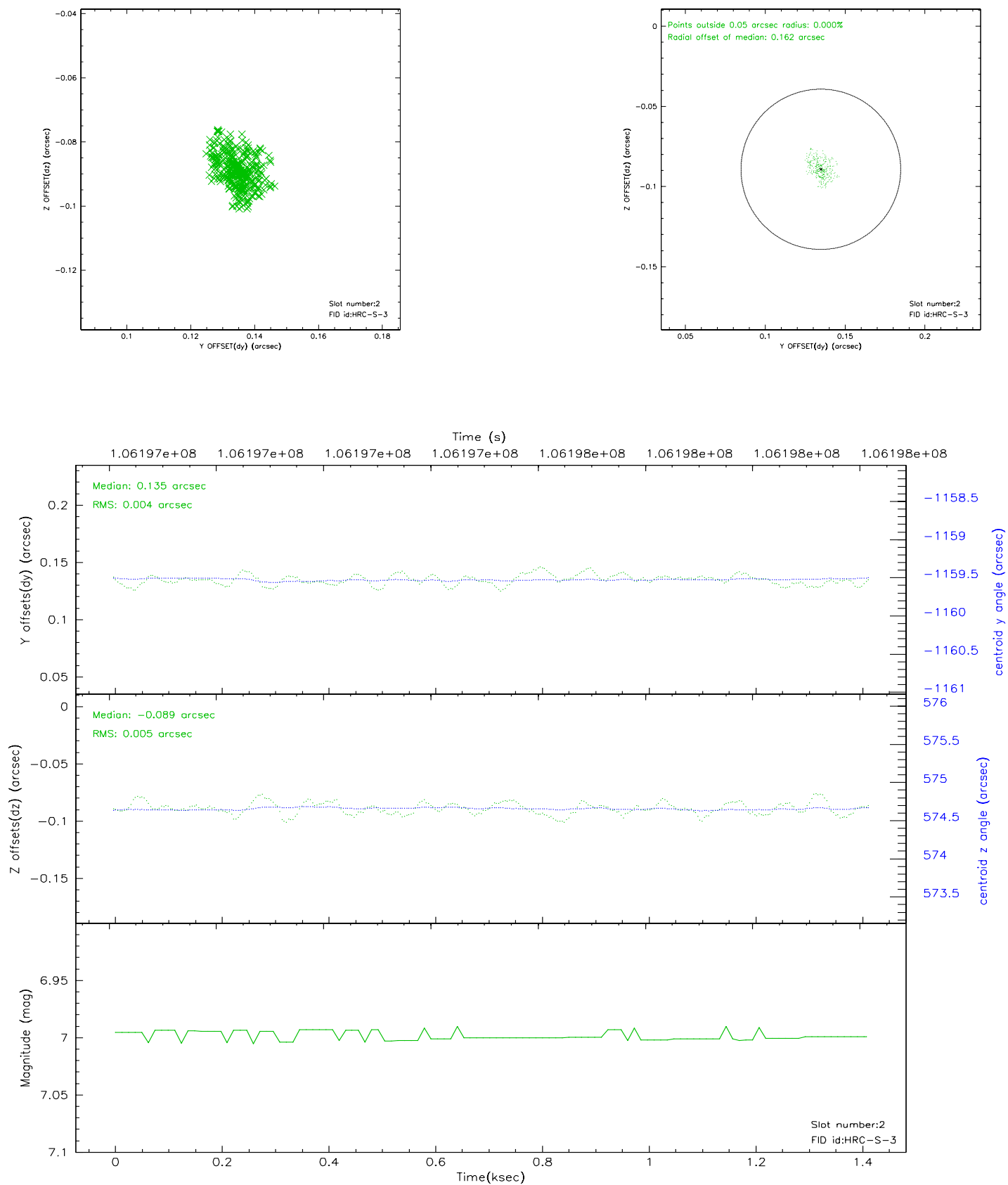
### 2.5.1 Slot 0



## 2.5.2 Slot 1

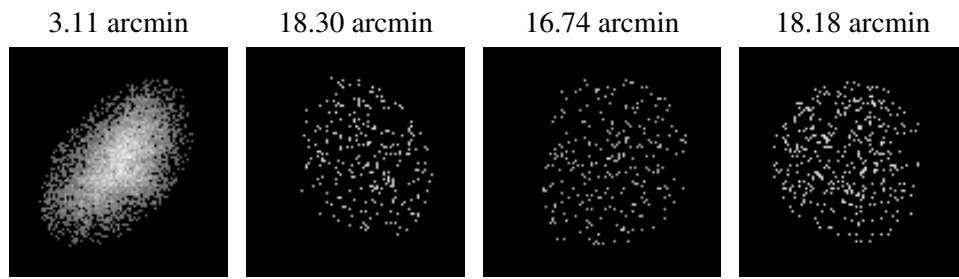


## 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.41

### A.2 Comments