

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 6034 - L2 Version 002  
Chandra X-Ray Center

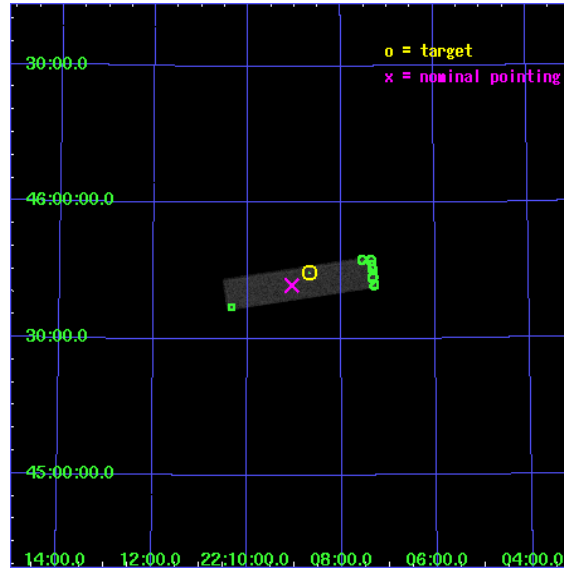
L2 Processing Date: Feb 22 2006

## 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

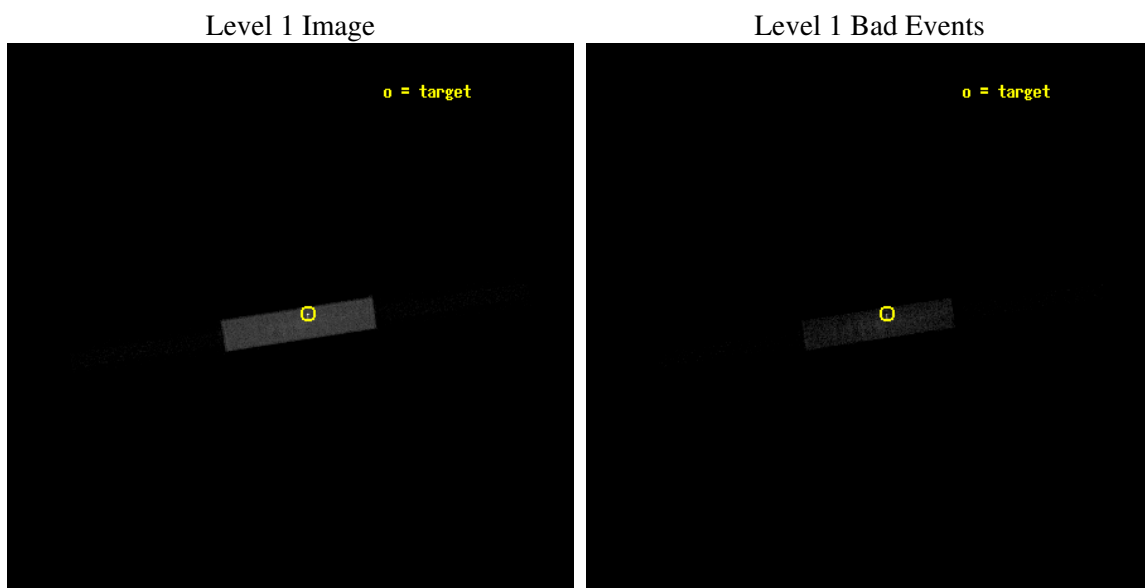
seq_num	290526
obs_id	6034
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.2631863289
dec_nom	45.6973232567
roll_nom	351.2763852467
revision	2
ontime	1157.4813023508
livetime	1150.5652081814
l2events	45253



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-22T22:37:18
revision	2

sched_exp_time	1000.000000
ontime	1189.256303817
l1events	77418

### 2.1.3 Events

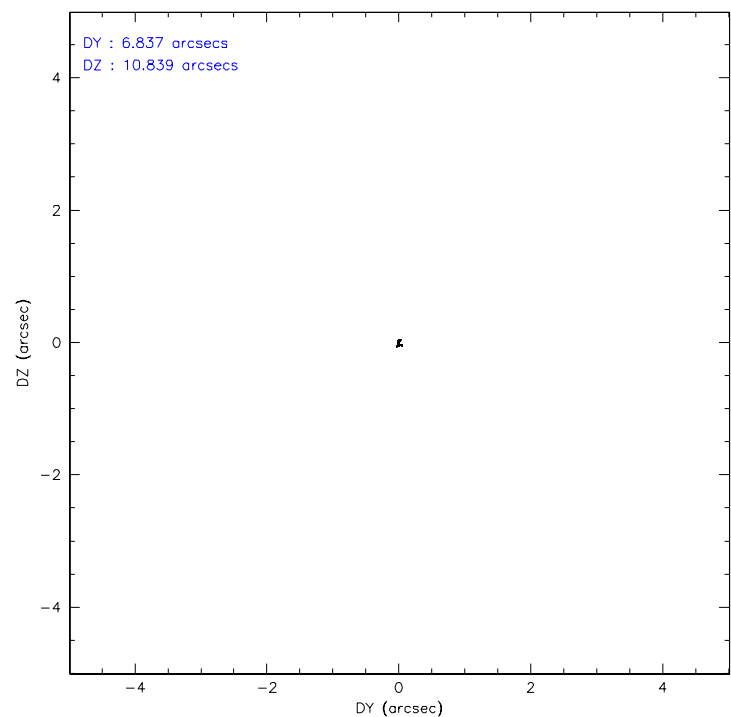
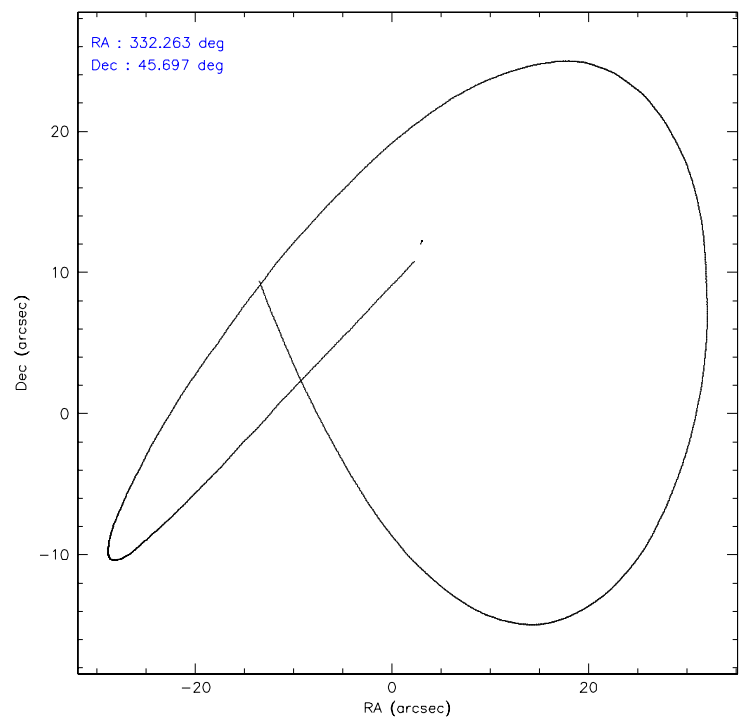
Level 1 Events

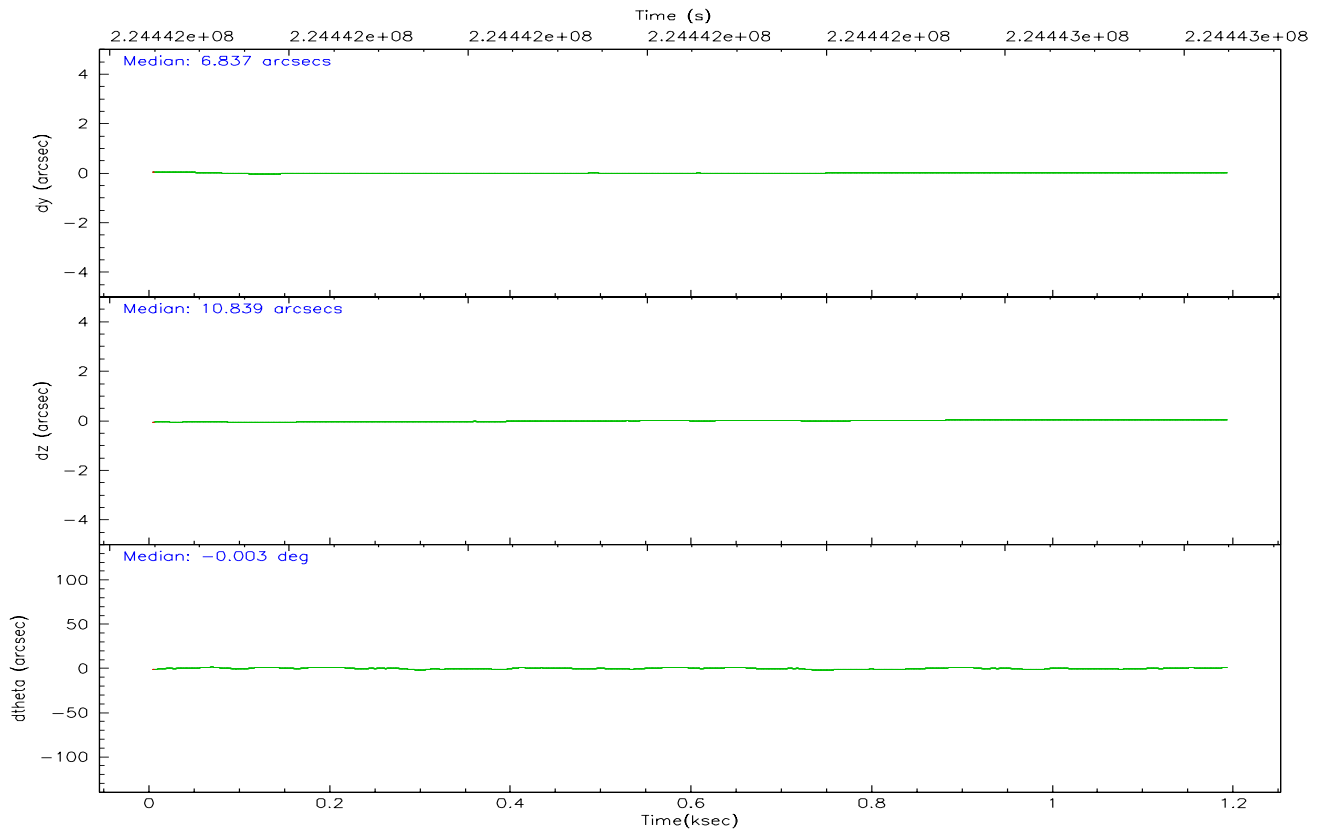
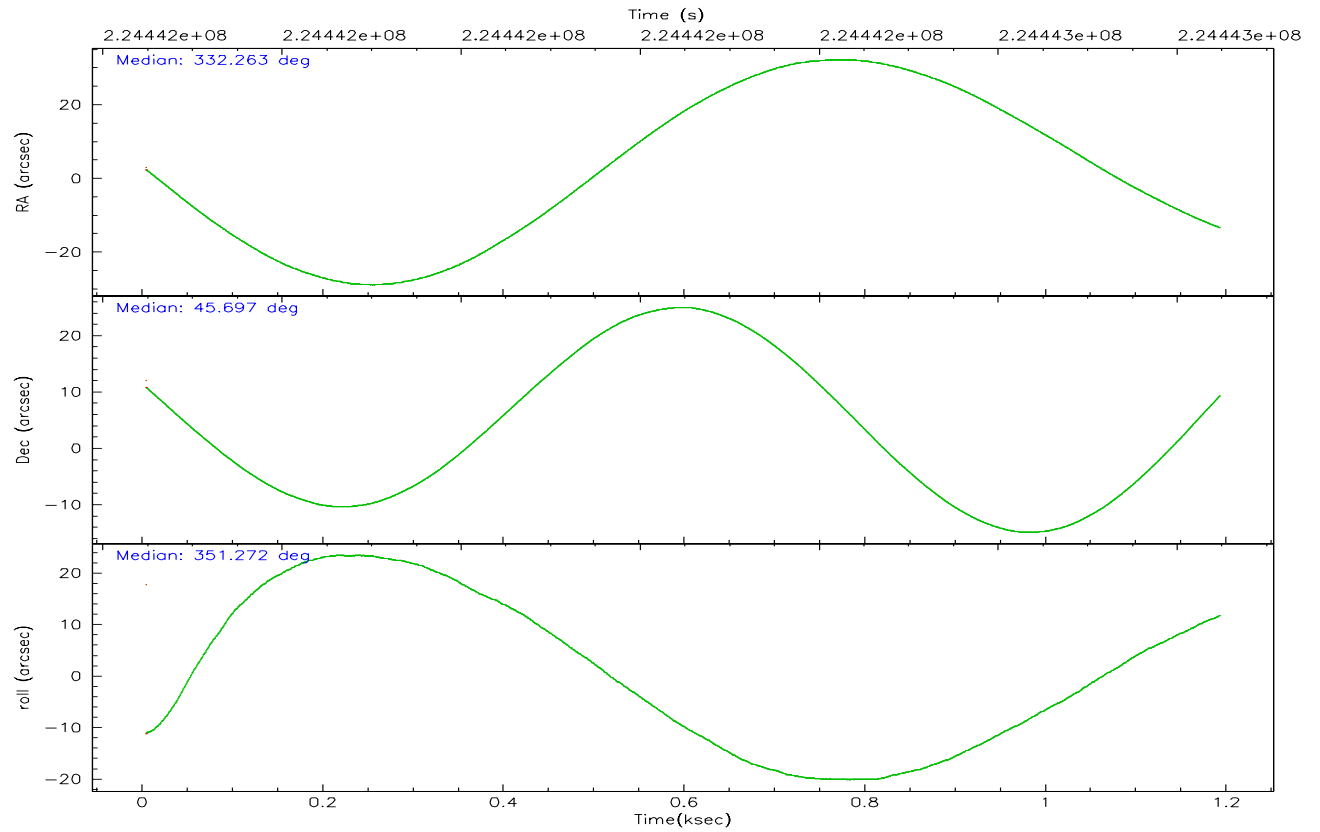
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	653	76138	627
rejected events	653	27577	627
rejected %	100%	36%	100%

## 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	332.226340	332.2631863288995			
Pointing Dec	45.686685	45.69732325670034			
Pointing Roll	351.235472	351.2763852467031			
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	224441843.184000	224441466.60826			
Observation start date	2005-02-10T16:56:19	2005-02-10T16:51:06			
Observation end time	224442843.184000	224442976.43333			
Observation end date	2005-02-10T17:12:59	2005-02-10T17:16:16			

2.3 Aspect





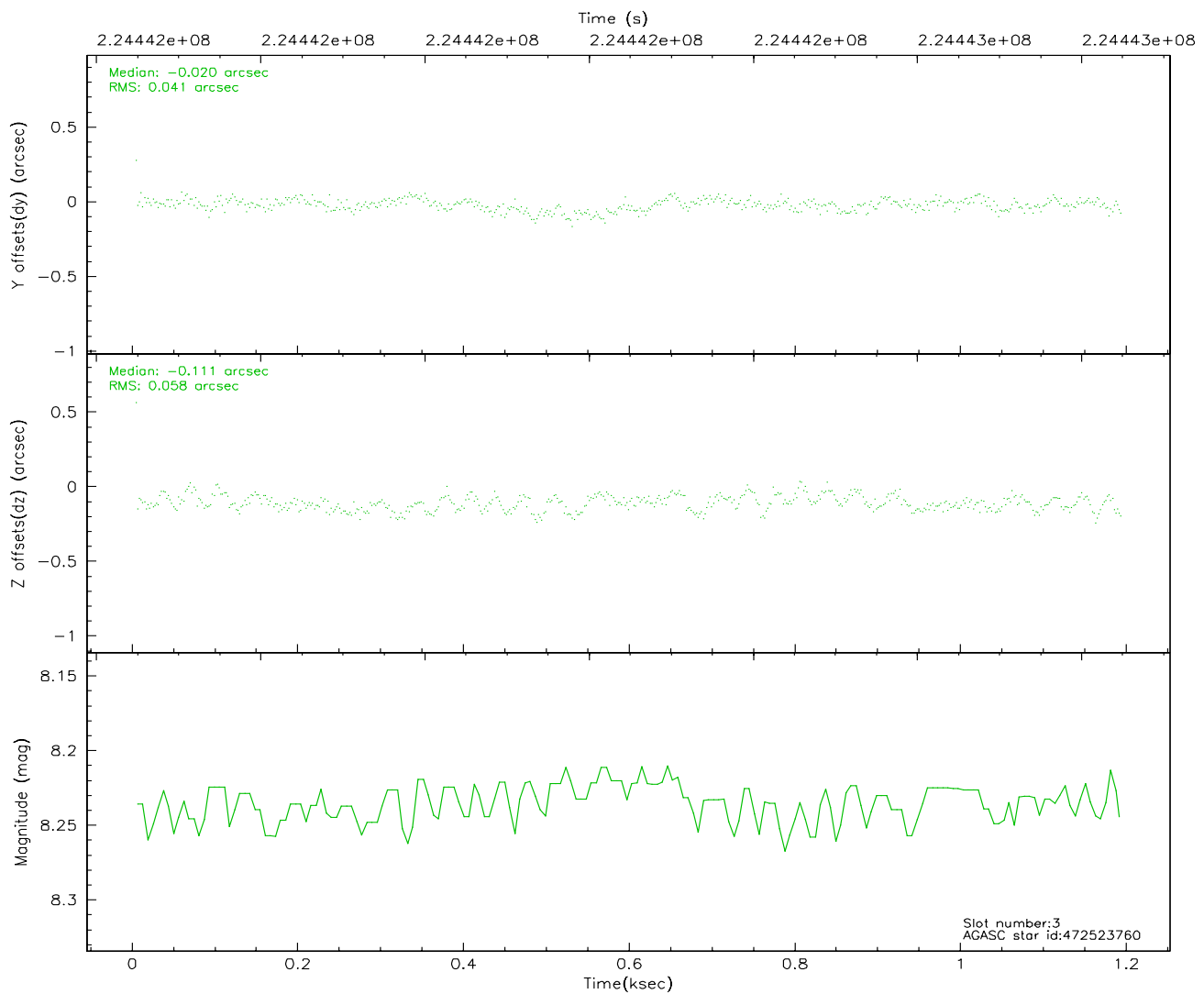
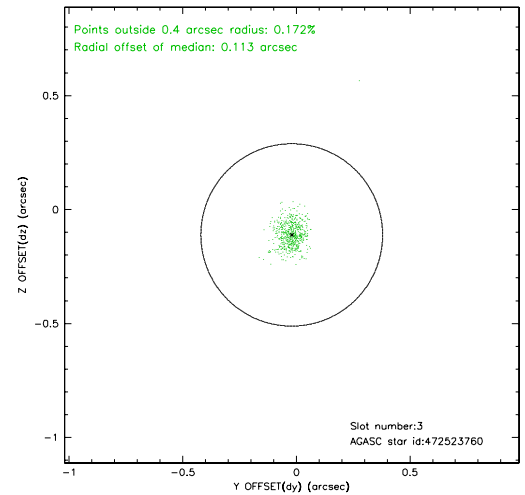
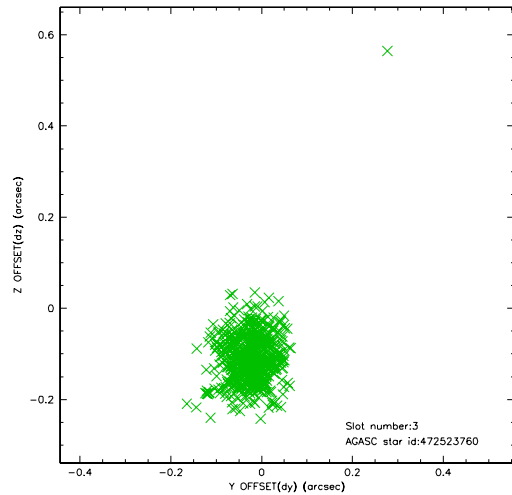
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	291	0.110	-0.172	0.006	0.012	0.000000	0.000000	-1161.00	-459.54
1	FID	HRC-S-2	7.02	291	0.186	-0.115	0.005	0.010	0.000000	0.000000	1234.76	-453.73
2	FID	HRC-S-3	7.03	291	0.095	-0.014	0.007	0.016	0.000000	0.000000	-1159.49	568.59
3	GUIDE	472523760	8.23	581	-0.020	-0.111	0.066	0.114	331.645363	45.403260	-1295.92	-1222.97
4	GUIDE	472527720	6.98	581	-0.072	-0.049	0.063	0.104	331.460205	45.112509	-1611.60	-2328.44
5	GUIDE	472535576	7.86	581	-0.039	0.074	0.059	0.104	331.438373	46.291802	-2272.93	1864.05
6	GUIDE	472655152	9.42	581	0.202	0.064	0.096	0.163	332.504239	45.862991	588.66	742.13
7	GUIDE	472665256	9.01	580	-0.068	0.028	0.095	0.156	332.808125	46.195041	1154.71	2040.49

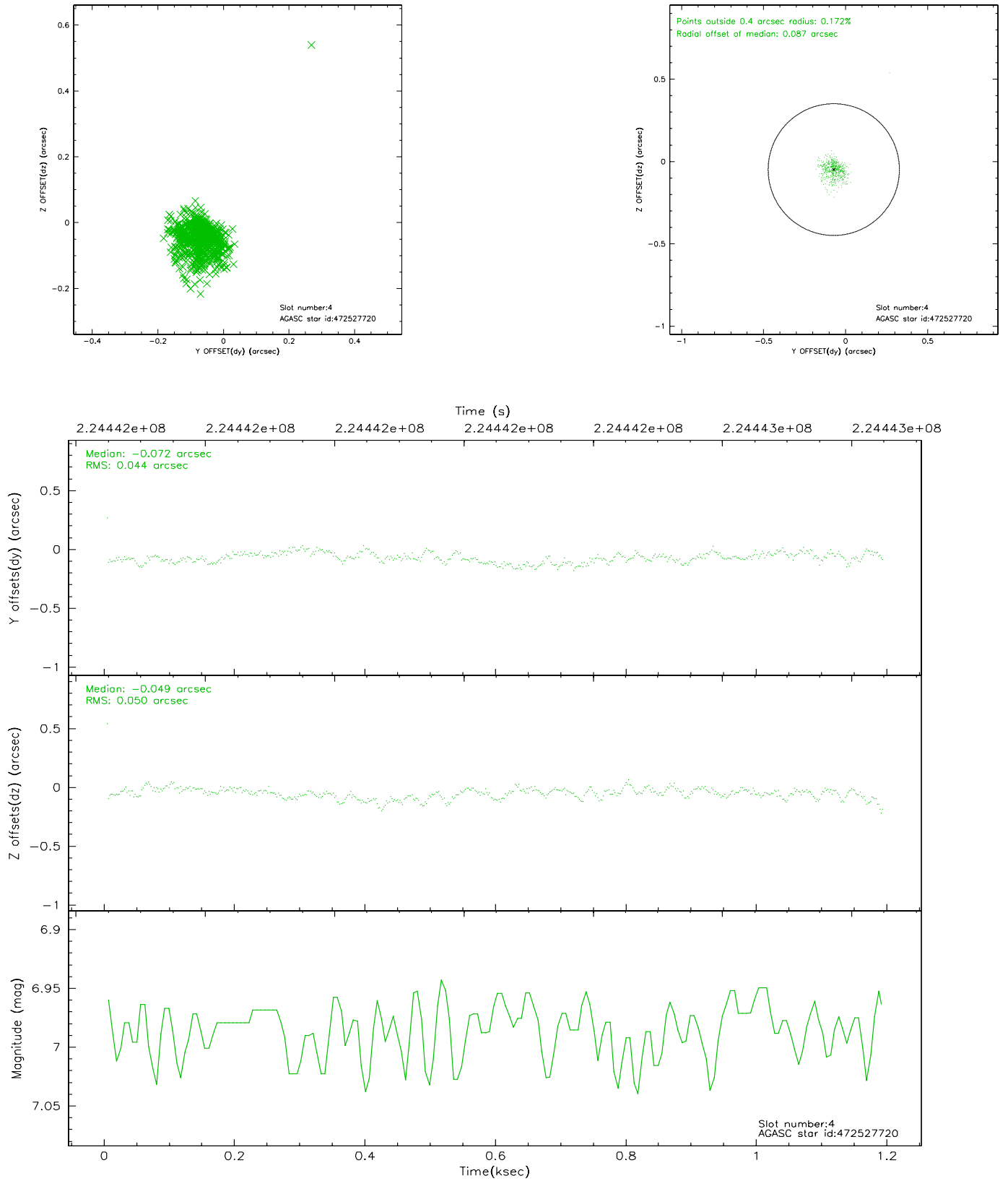


## 2.4 Star Slots

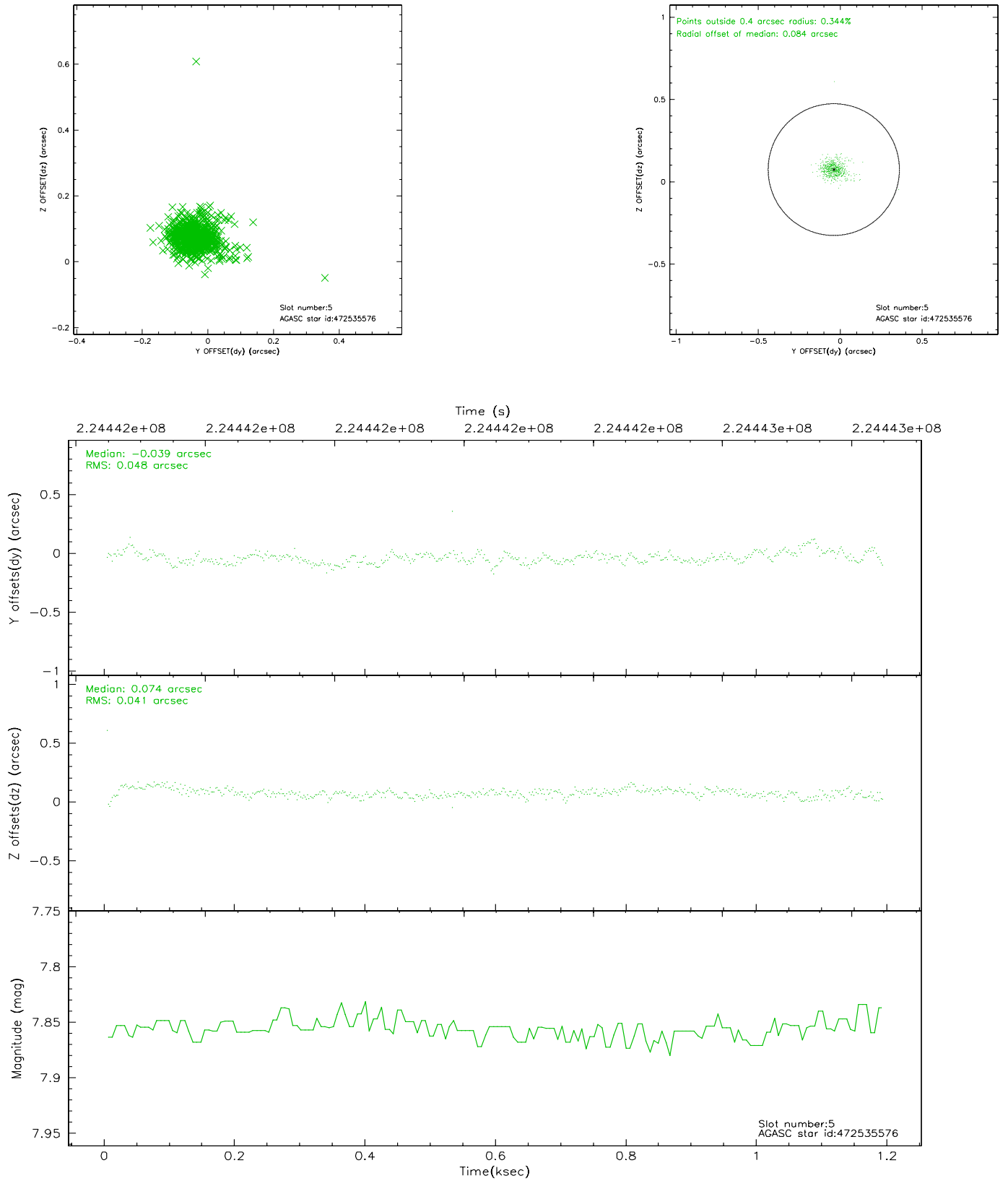
### 2.4.1 Slot 3



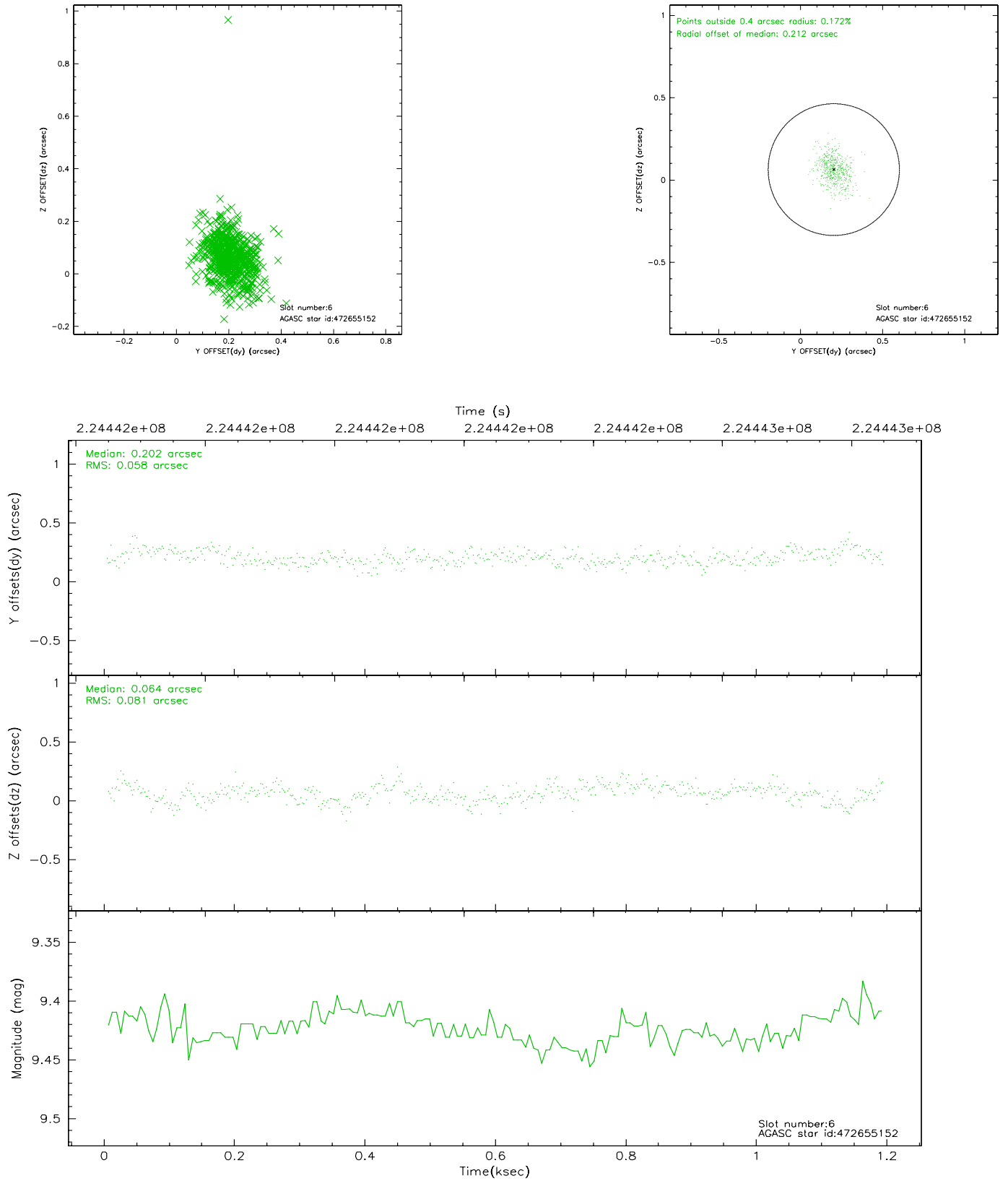
## 2.4.2 Slot 4



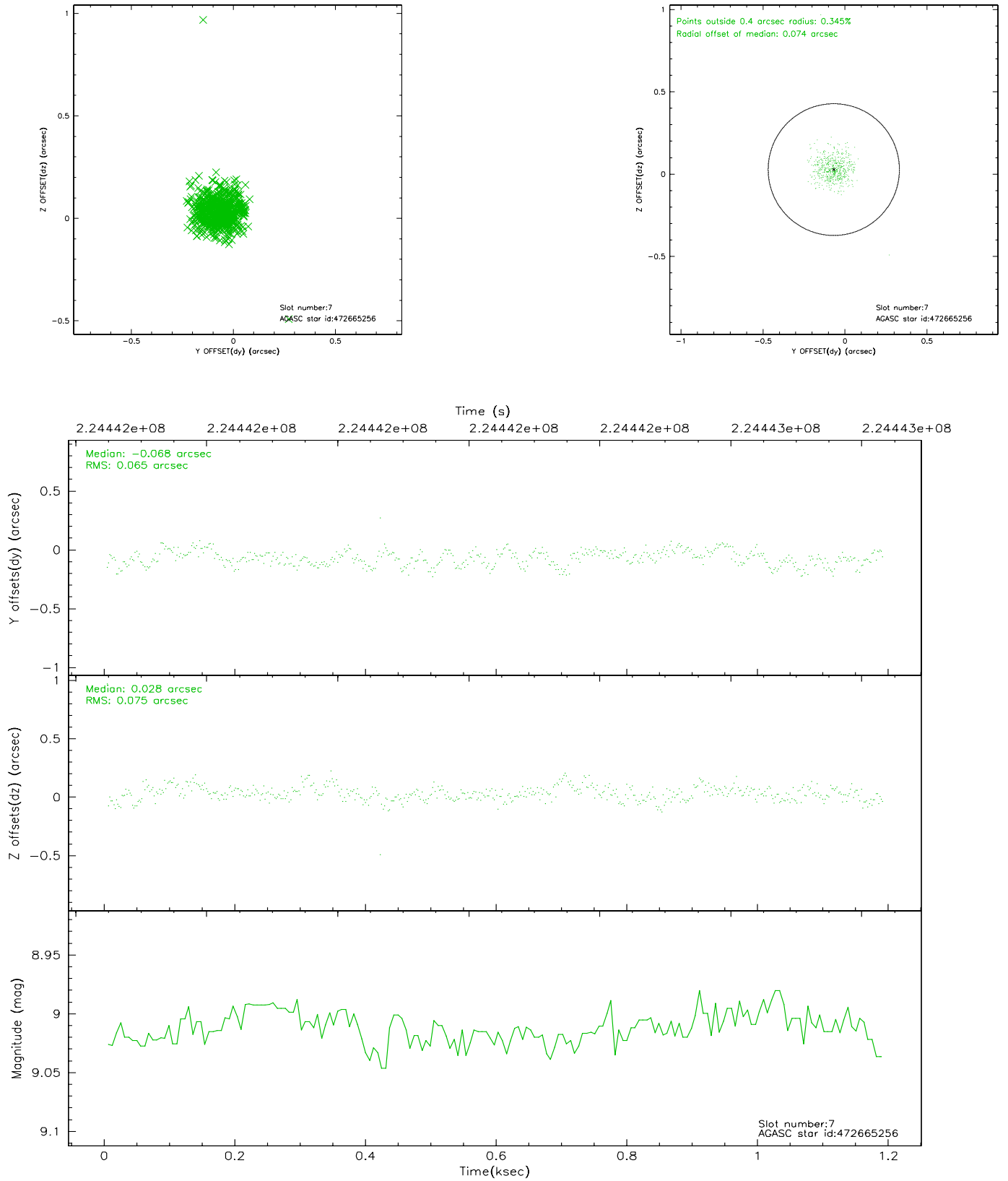
### 2.4.3 Slot 5



## 2.4.4 Slot 6

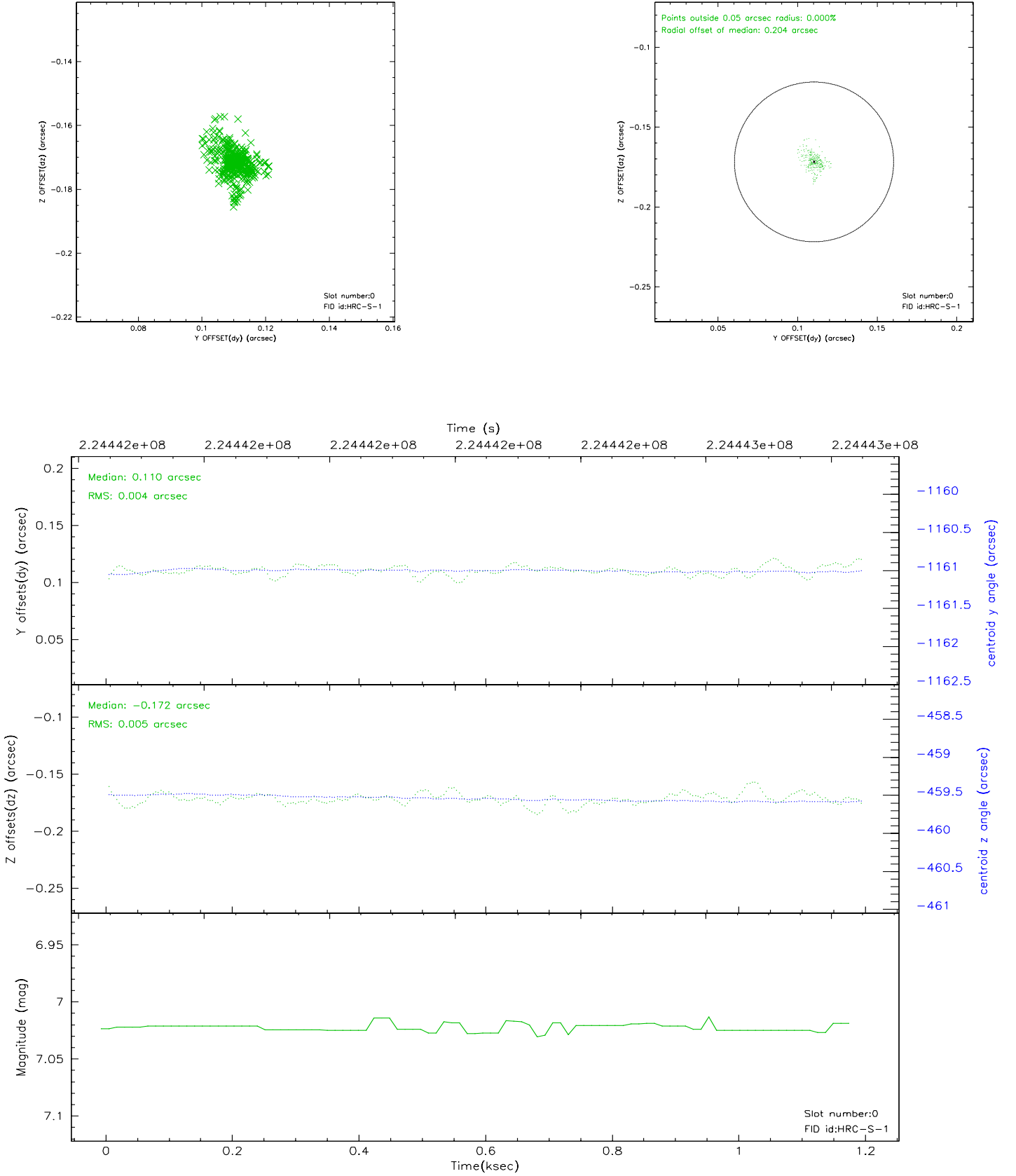


## 2.4.5 Slot 7

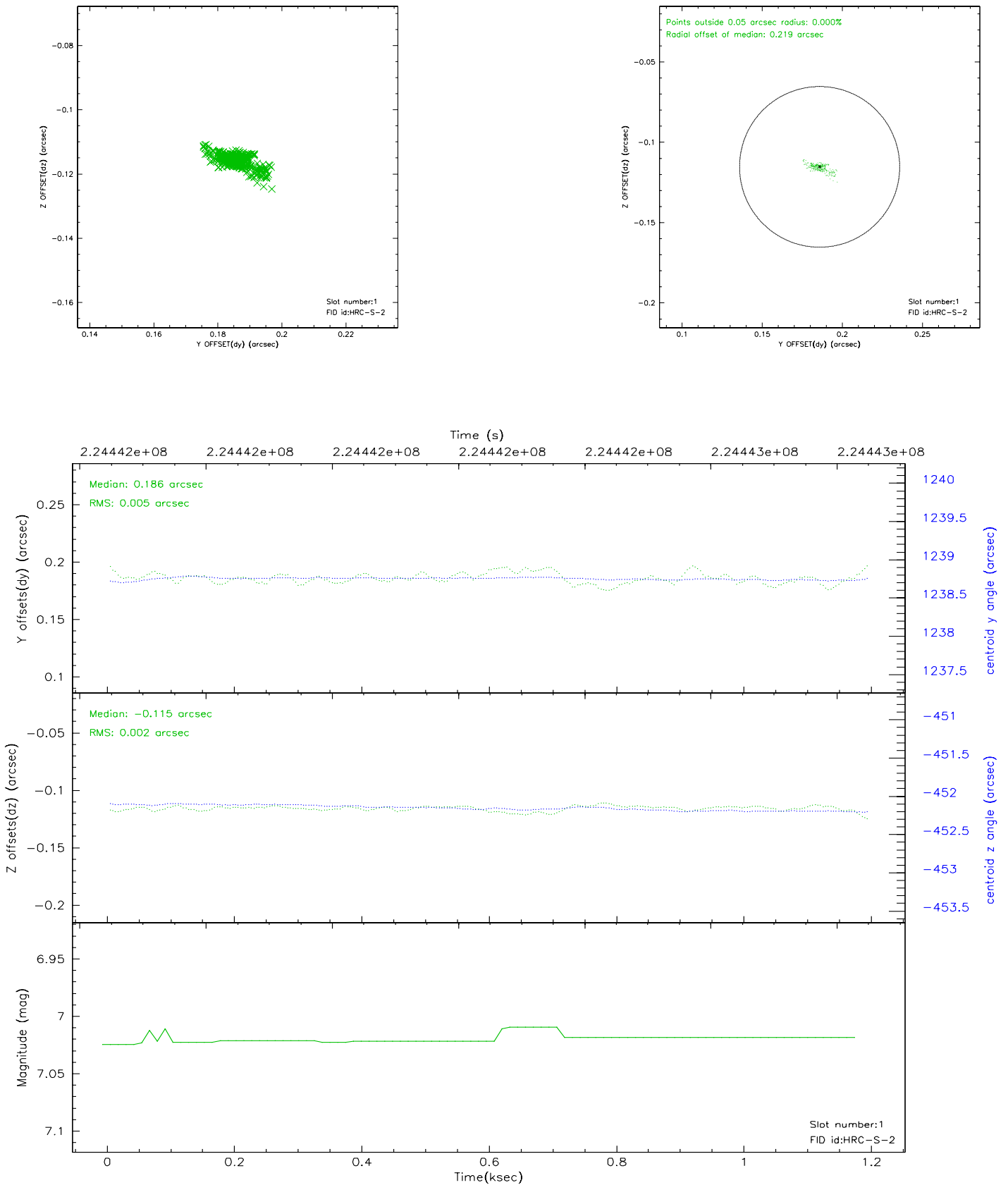


## 2.5 FID Slots

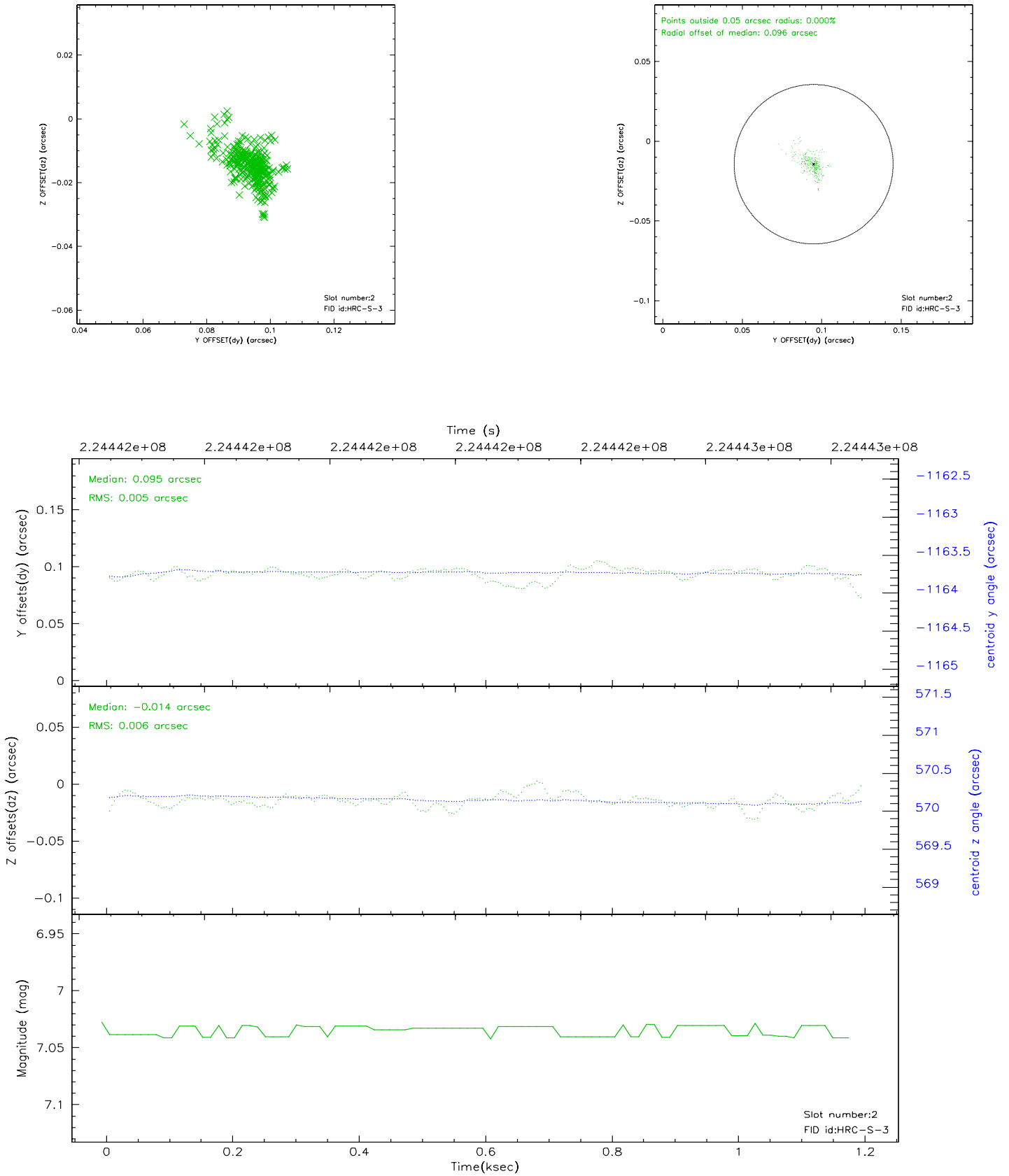
### 2.5.1 Slot 0



## 2.5.2 Slot 1

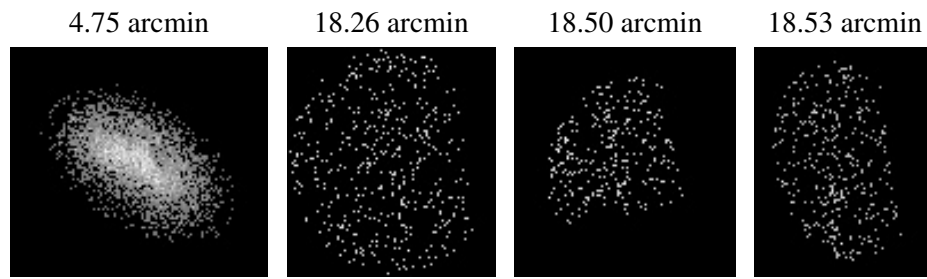


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.157481

### A.2 Comments