

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5090 - L2 Version 001  
Chandra X-Ray Center

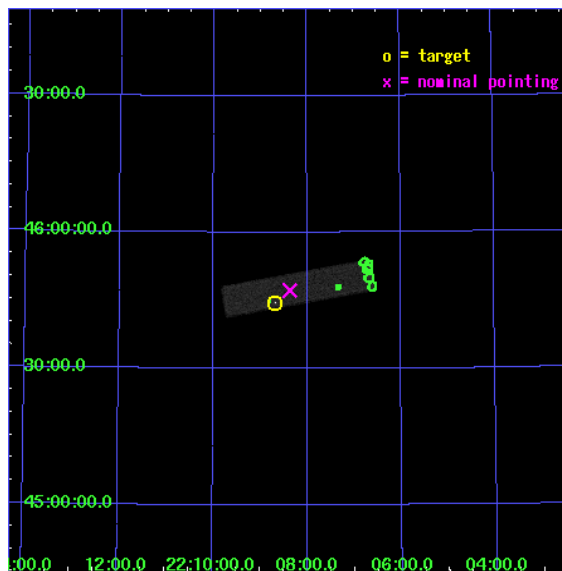
L2 Processing Date : Jun 4 2006

## 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

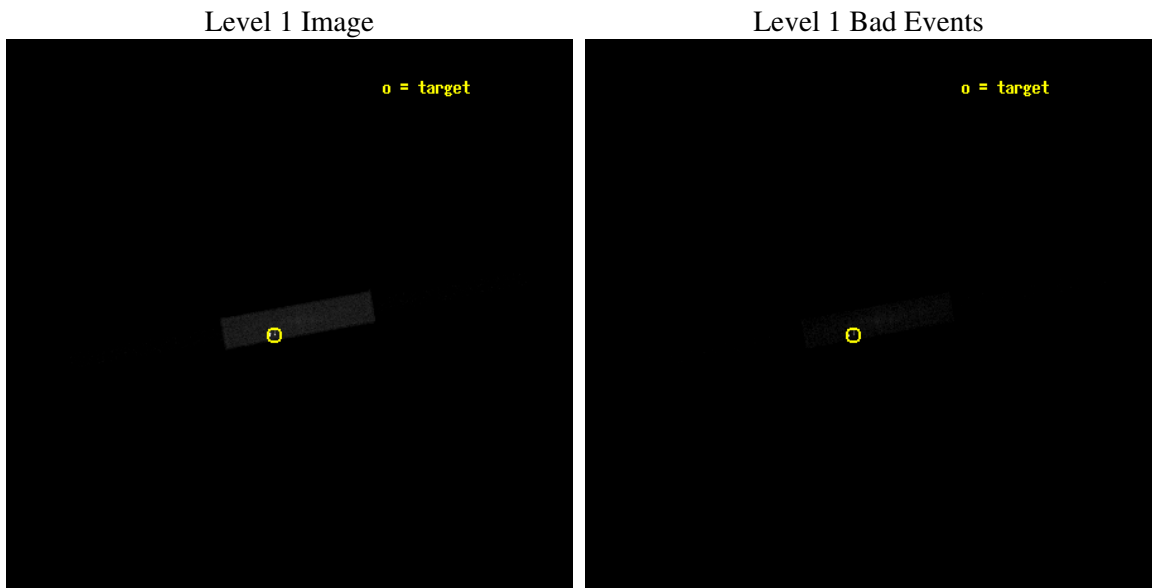
seq_num	290363
obs_id	5090
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.09130976669
dec_nom	45.787375658018
roll_nom	349.6623709143
revision	2
ontime	1088.8062976003
livetime	1077.5065188666
l2events	37593



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-04T17:12:01
revision	2

sched_exp_time	946.000000
ontime	1126.7312992513
l1events	123767

### 2.1.3 Events

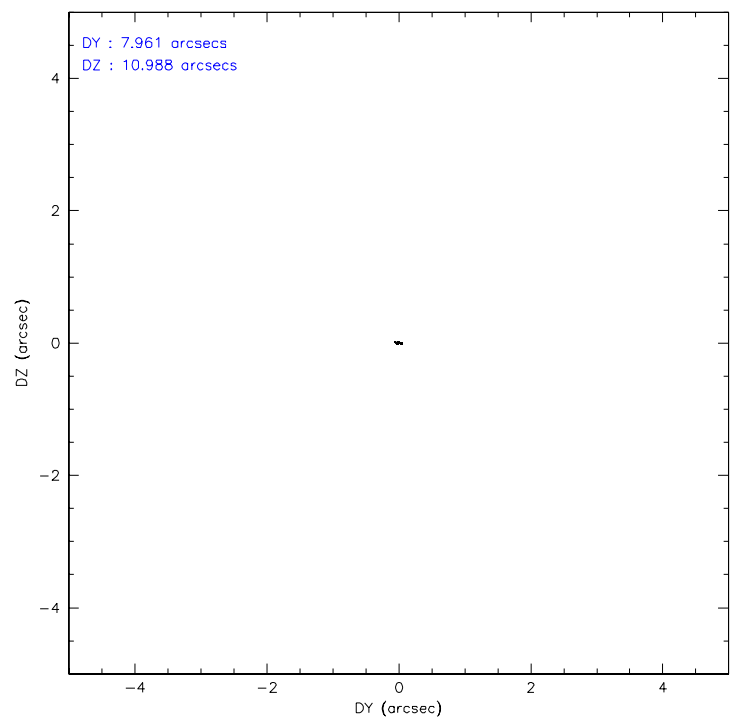
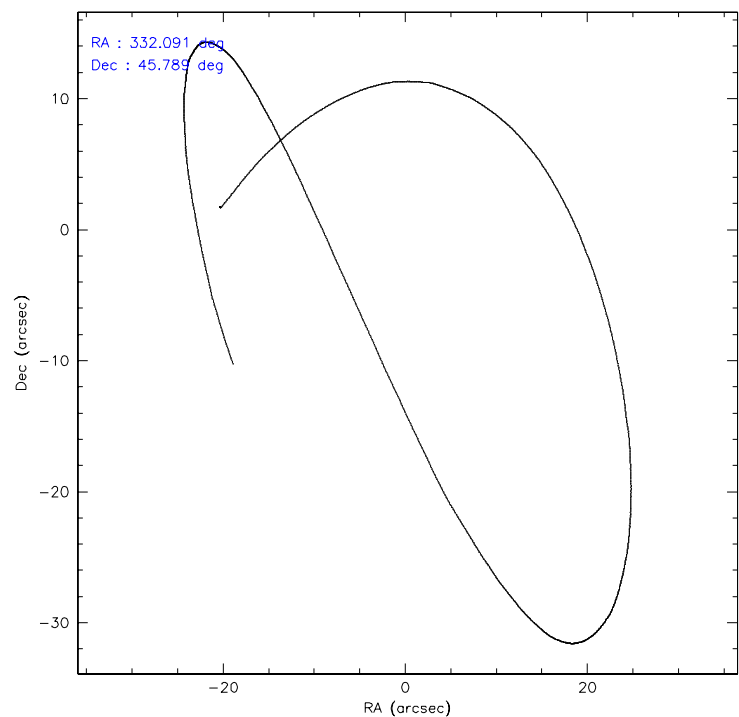
Level 1 Events

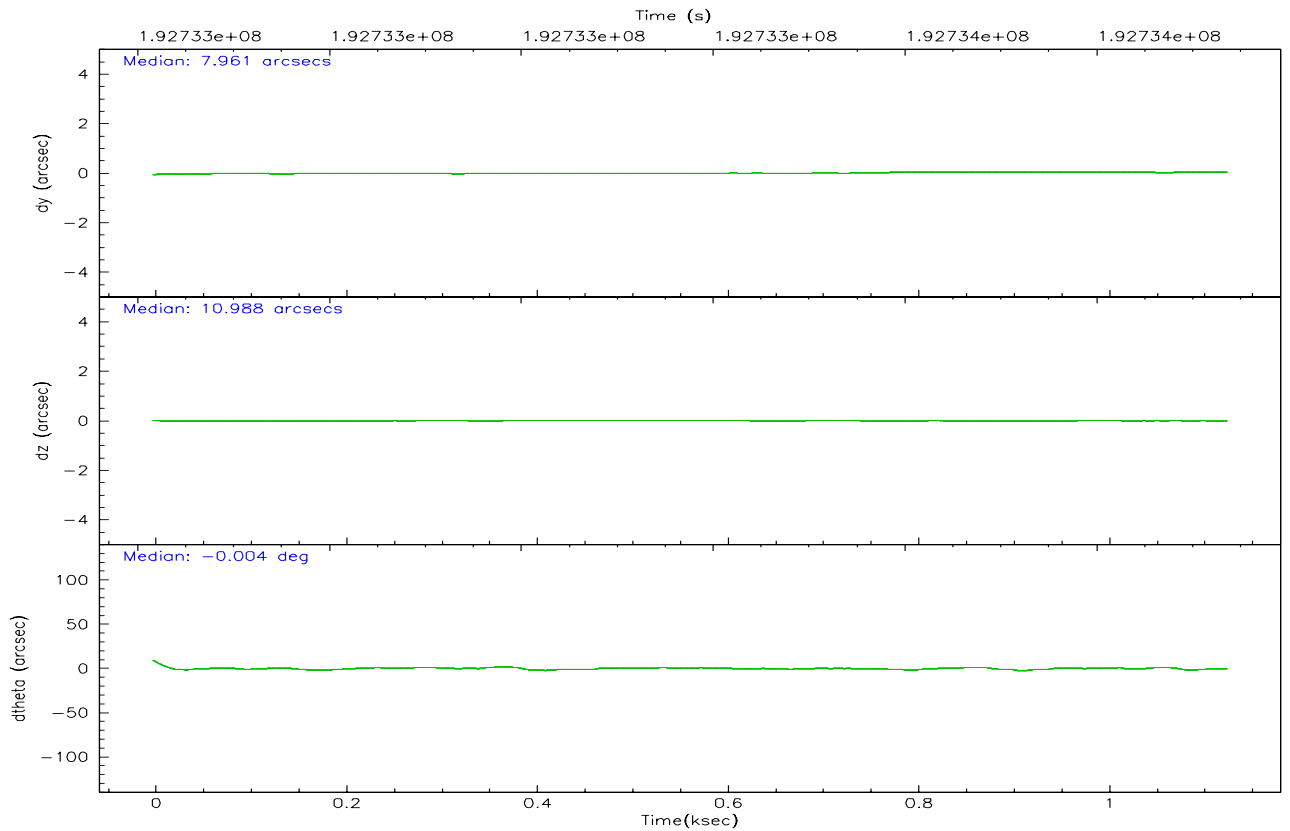
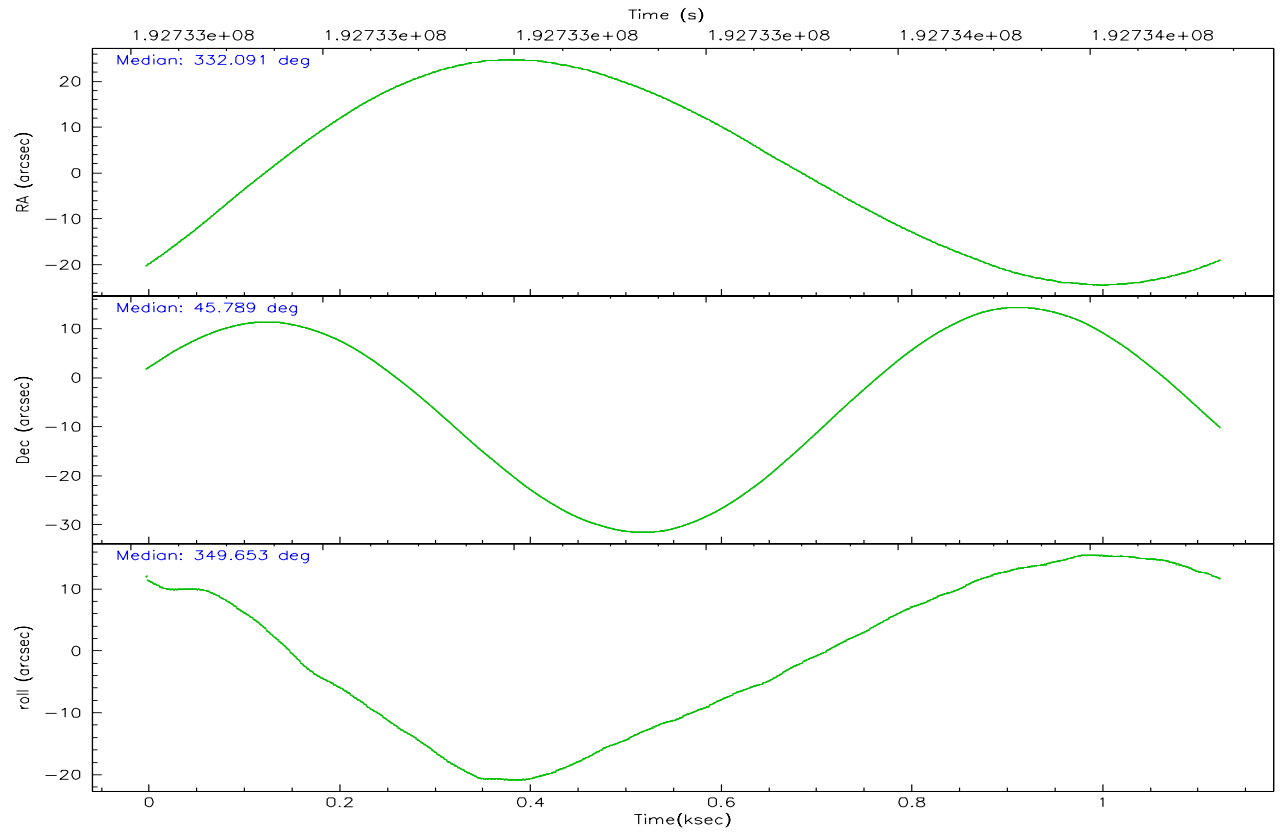
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1144	121557	1066
rejected events	1144	39011	1066
rejected %	100%	32%	100%

## 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	332.053353	332.0913097666947			
Pointing Dec	45.775243	45.78737565801755			
Pointing Roll	349.622317	349.6623709142967			
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	192732993.184000	192732616.64757			
Observation start date	2004-02-09T16:55:29	2004-02-09T16:50:16			
Observation end time	192733939.184000	192734073.17264			
Observation end date	2004-02-09T17:11:15	2004-02-09T17:14:33			

### 2.3 Aspect





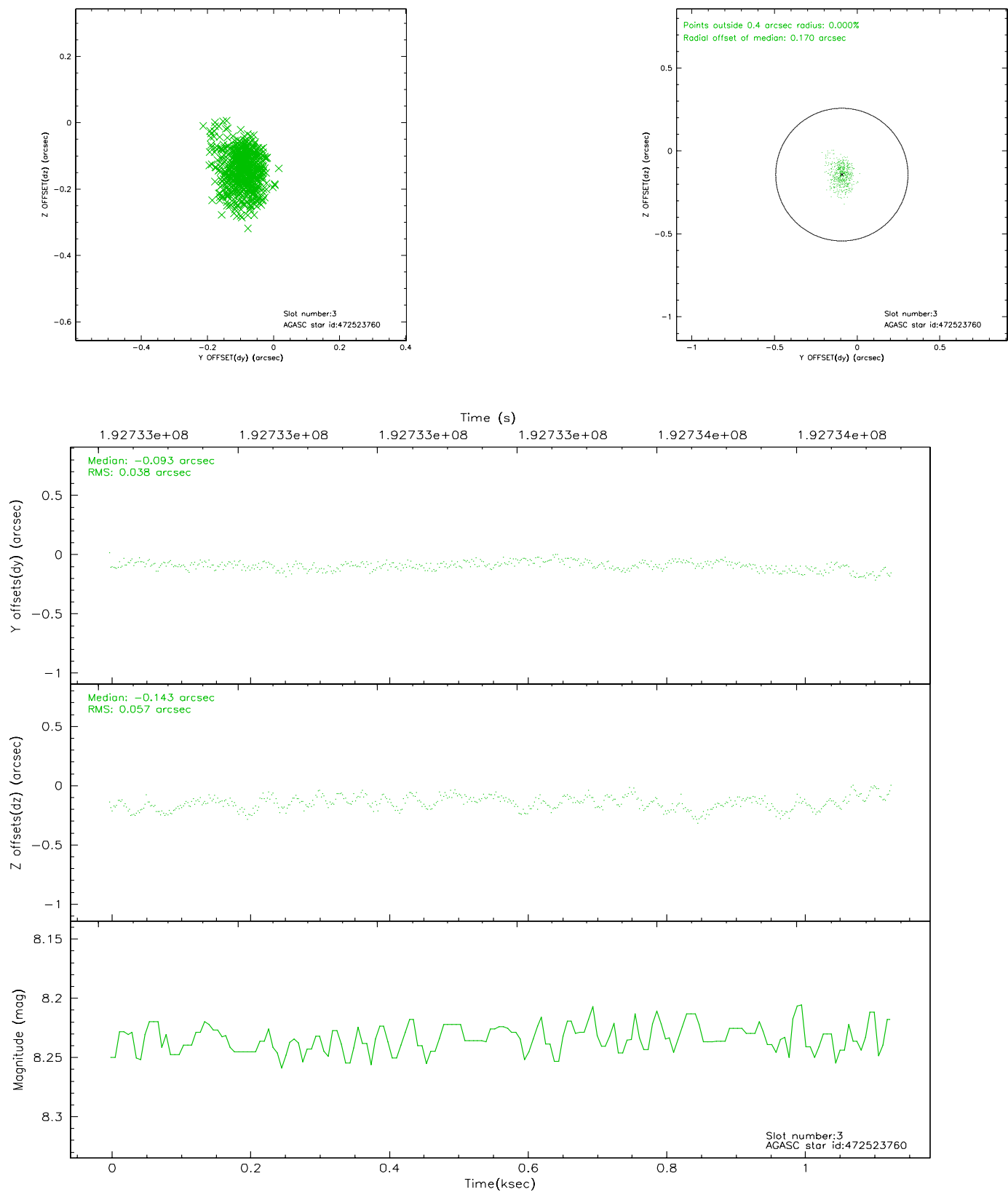
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	276	0.110	-0.131	0.004	0.009	0.000000	0.000000	-1162.14	-459.70
1	FID	HRC-S-2	7.02	275	0.092	-0.147	0.009	0.016	0.000000	0.000000	1233.29	-453.98
2	FID	HRC-S-4	7.00	275	0.201	-0.026	0.009	0.014	0.000000	0.000000	1240.67	570.89
3	GUIDE	472523760	8.23	551	-0.093	-0.143	0.072	0.119	331.645363	45.403260	-772.63	-1504.79
4	GUIDE	472533912	9.16	551	-0.010	0.041	0.095	0.159	331.791136	46.368695	-1026.68	1978.29
5	GUIDE	472659832	9.46	551	0.021	0.106	0.092	0.151	332.780399	46.098139	1573.15	1478.41
6	GUIDE	472654568	9.43	551	-0.024	-0.012	0.112	0.184	332.194449	45.063576	818.53	-2456.41
7	GUIDE	472655152	9.42	549	0.105	0.018	0.098	0.173	332.504239	45.862991	1056.77	509.09

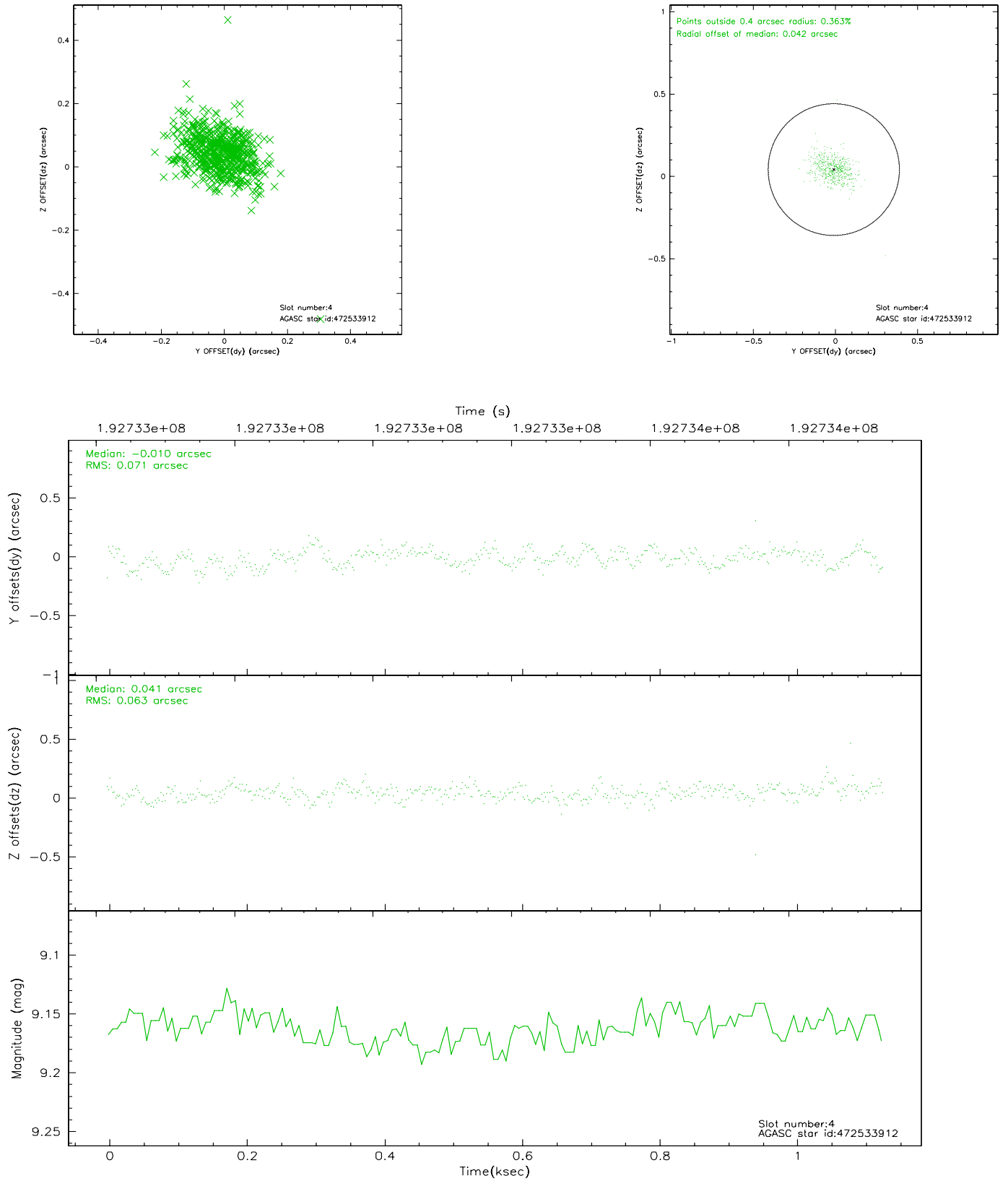


## 2.4 Star Slots

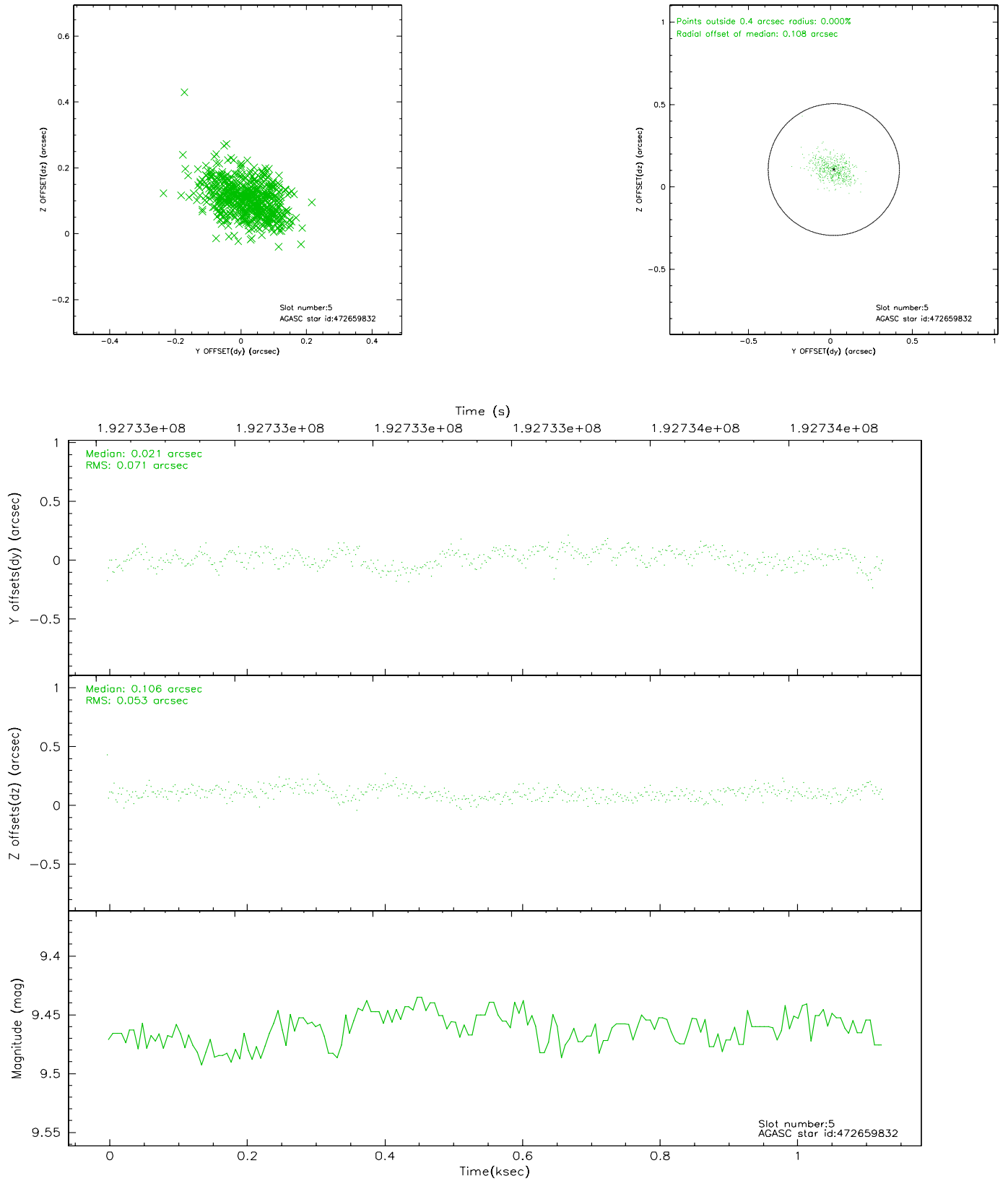
### 2.4.1 Slot 3



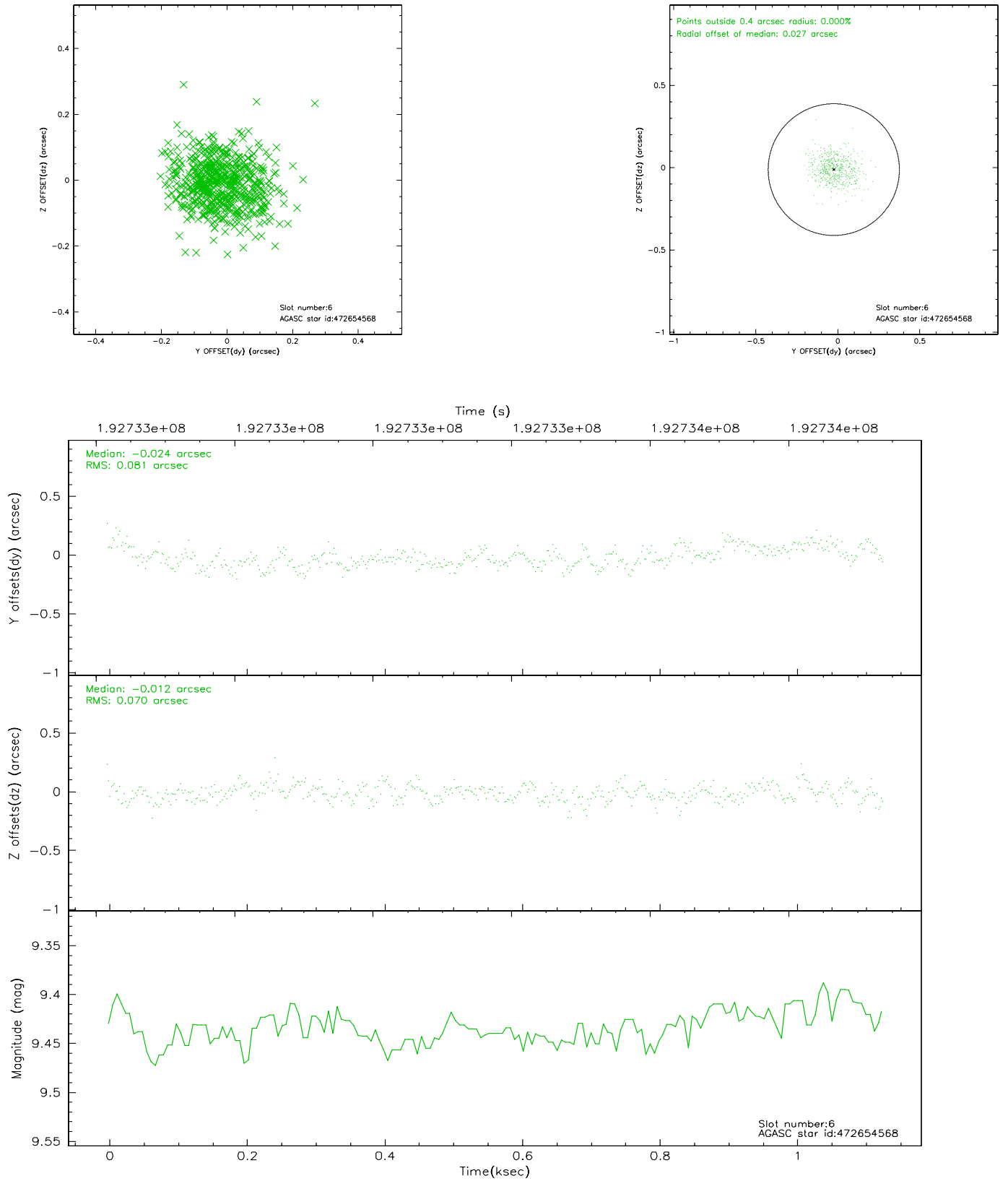
## 2.4.2 Slot 4



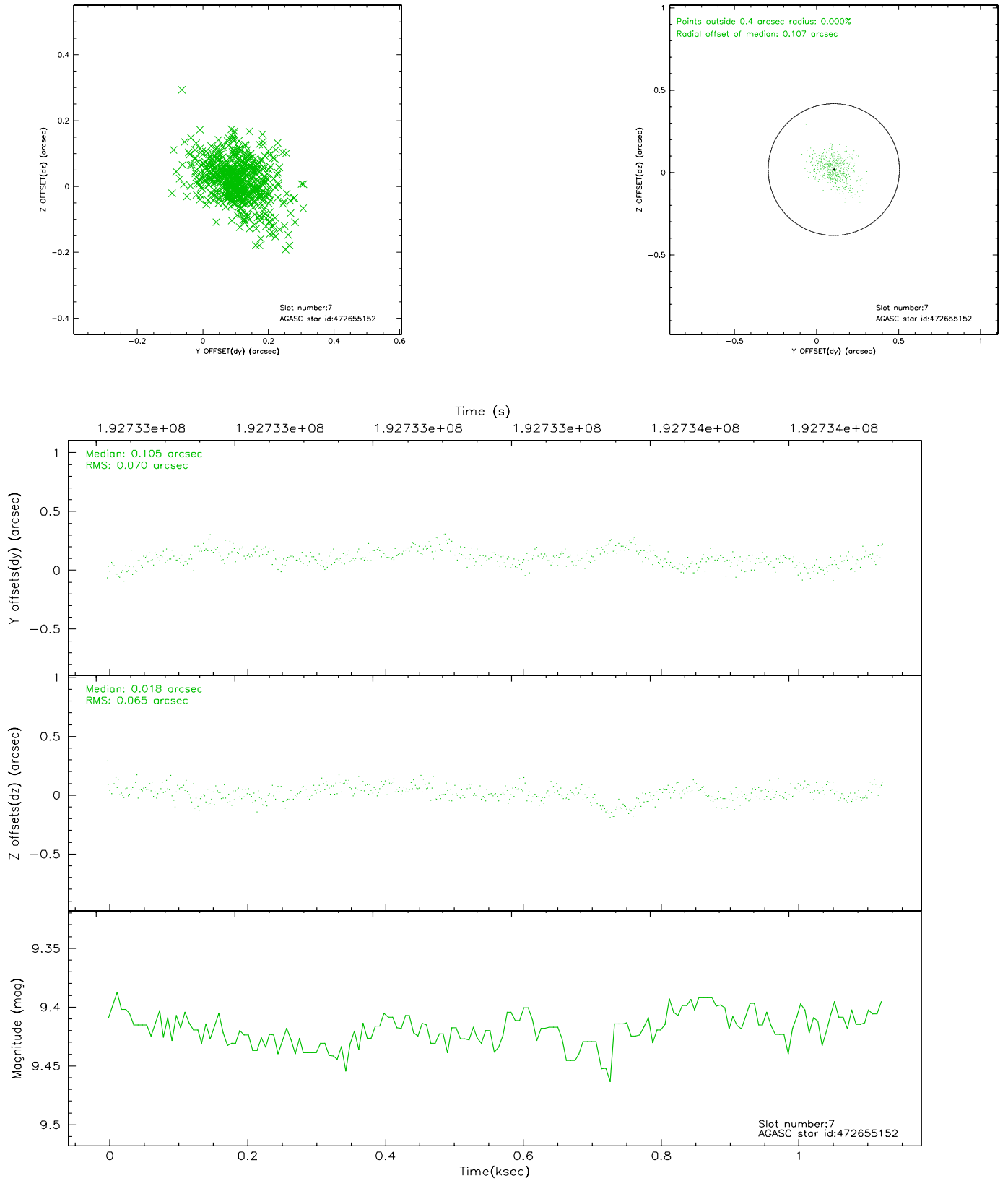
### 2.4.3 Slot 5



## 2.4.4 Slot 6

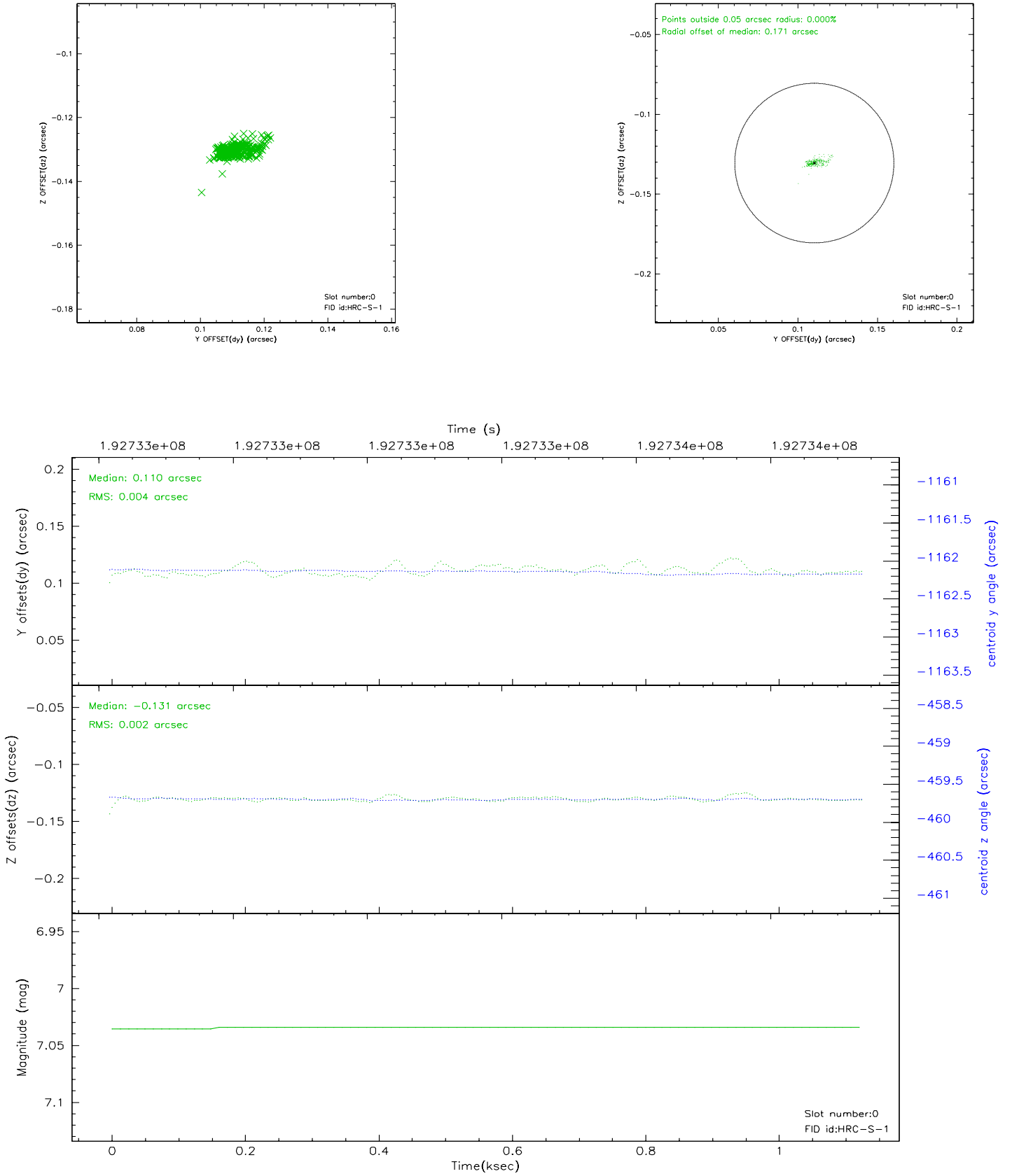


## 2.4.5 Slot 7

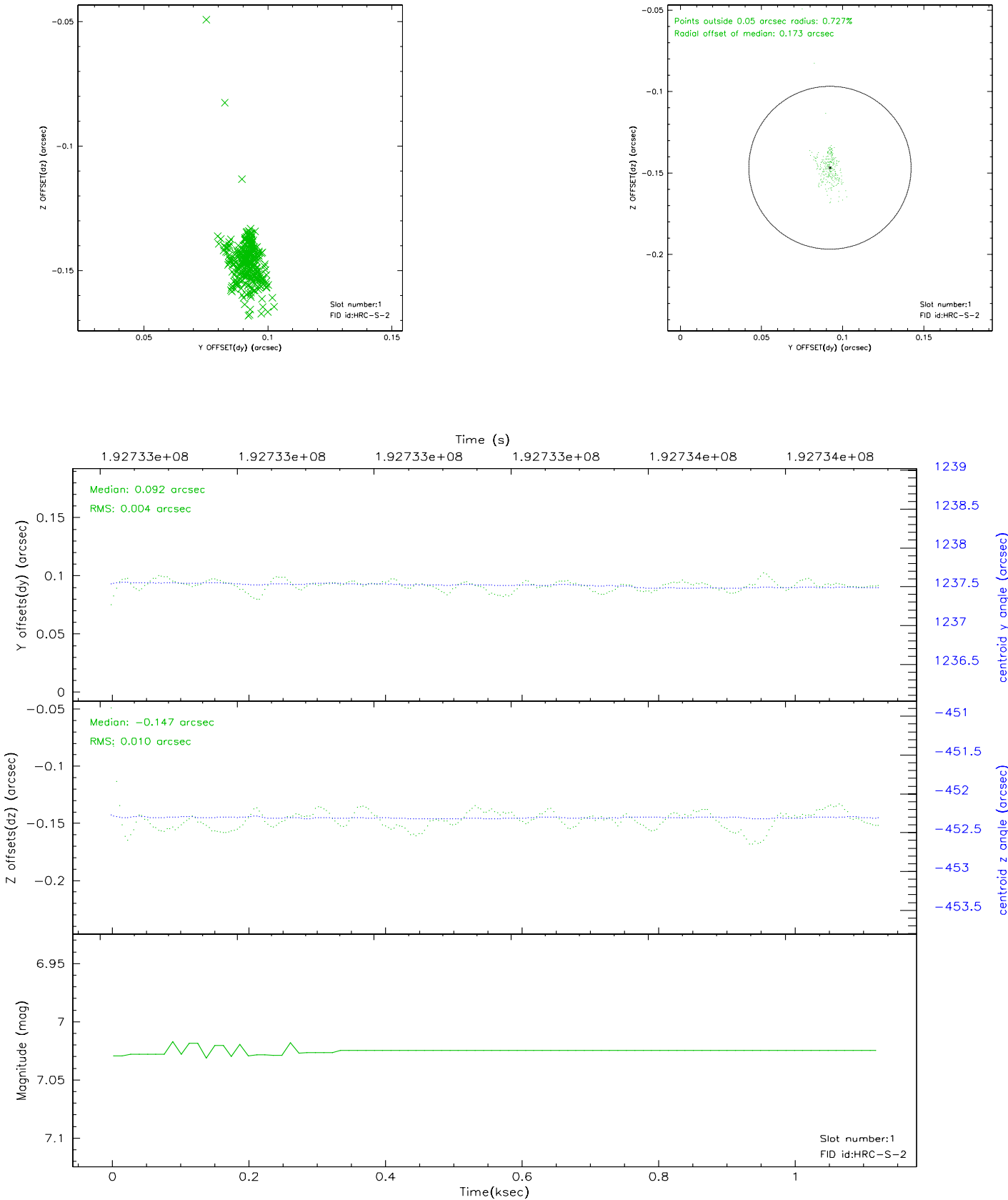


## 2.5 FID Slots

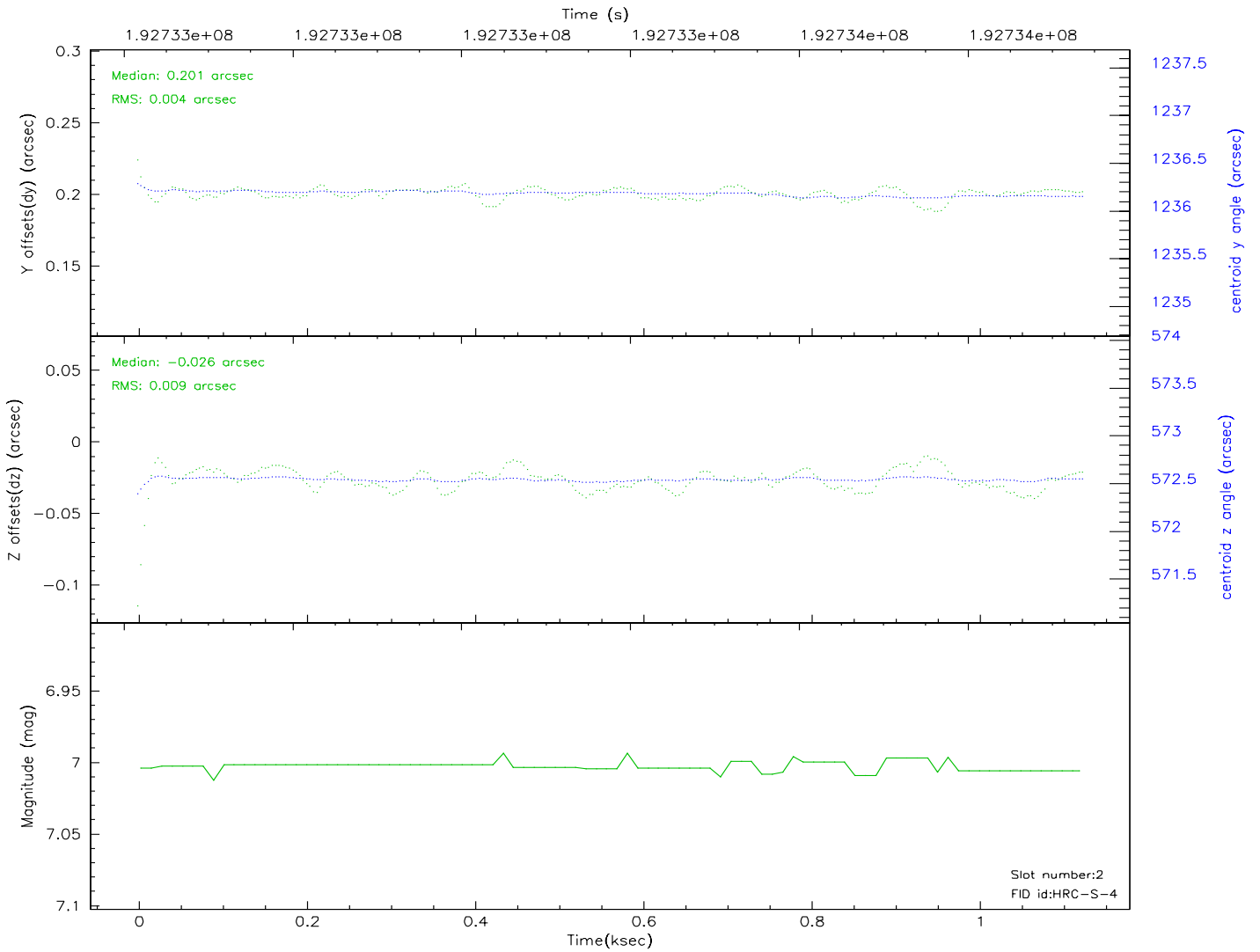
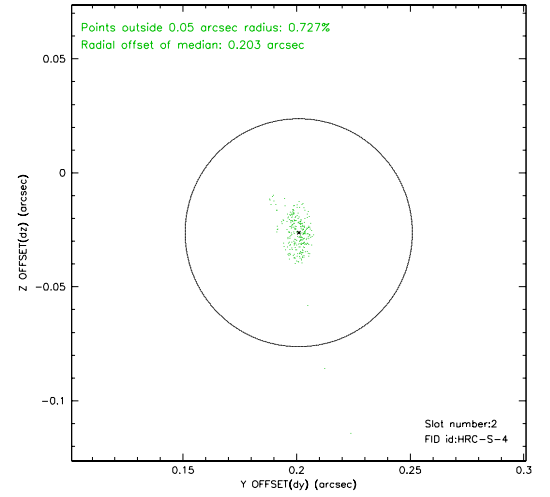
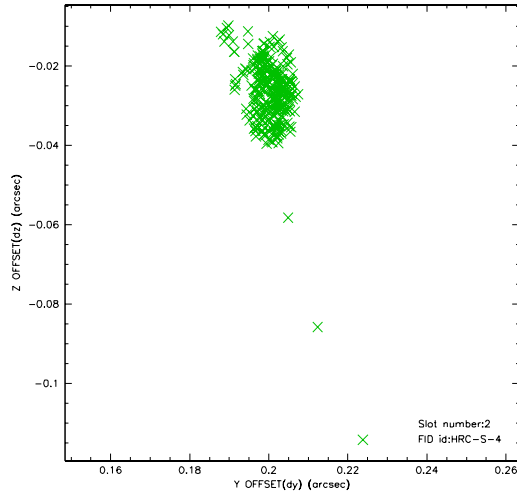
### 2.5.1 Slot 0



2.5.2 Slot 1

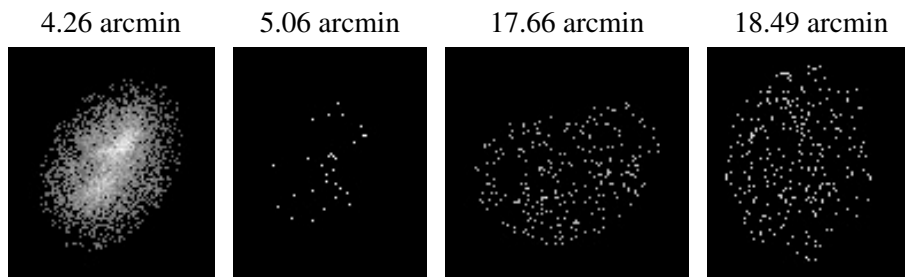


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.088

### A.2 Comments