

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4352 - L2 Version 001  
Chandra X-Ray Center

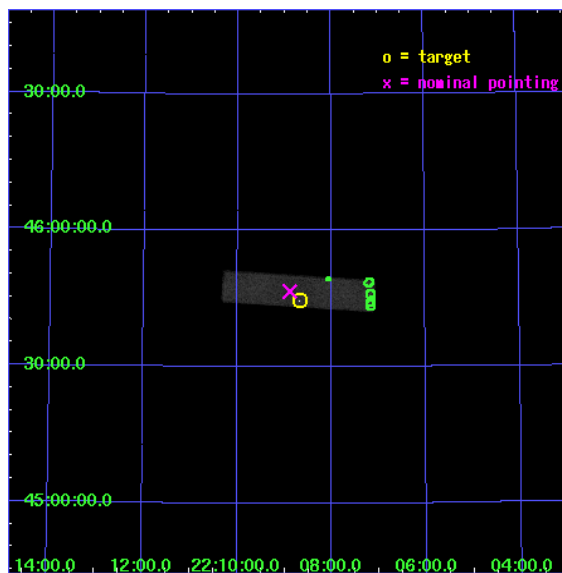
L2 Processing Date : Jul 27 2006

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# 1 Front

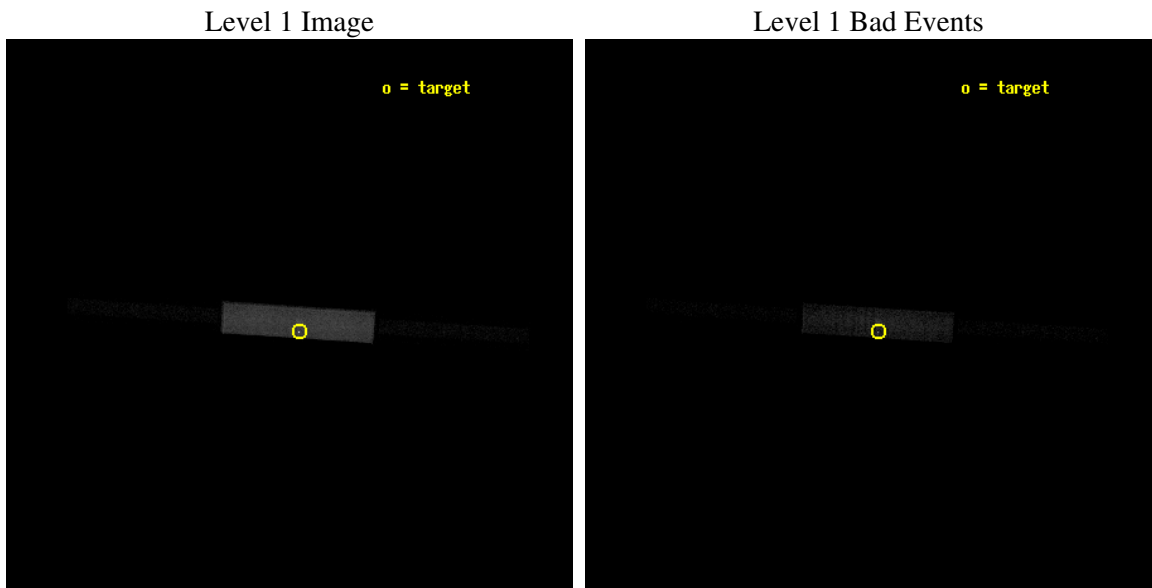
seq_num	290312
obs_id	4352
title	AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.22088009853
dec_nom	45.777061146946
roll_nom	3.6576889638107
revision	2
ontime	1141.0812980235
livetime	1134.3556024041
l2events	49097



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-27T21:59:07
revision	2

sched_exp_time	1000.000000
ontime	1183.1062997878
l1events	87431

### 2.1.3 Events

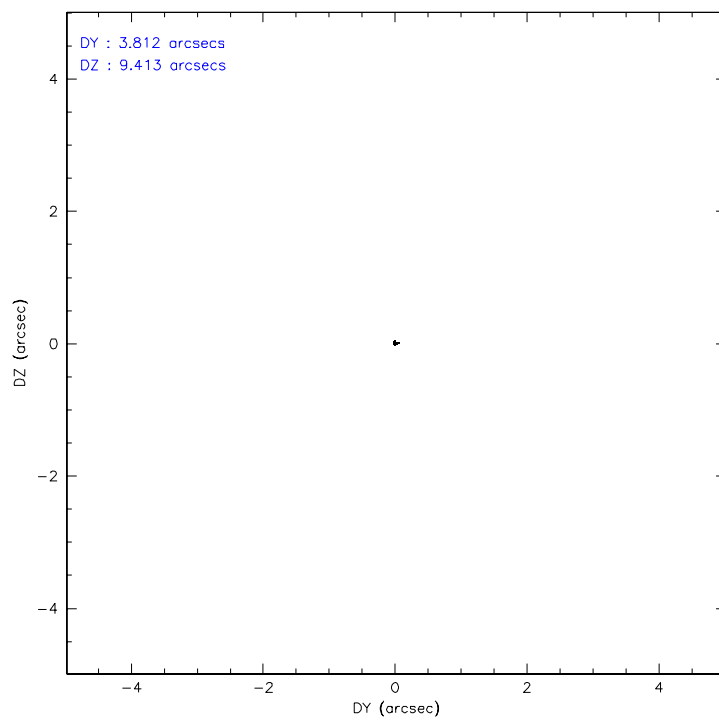
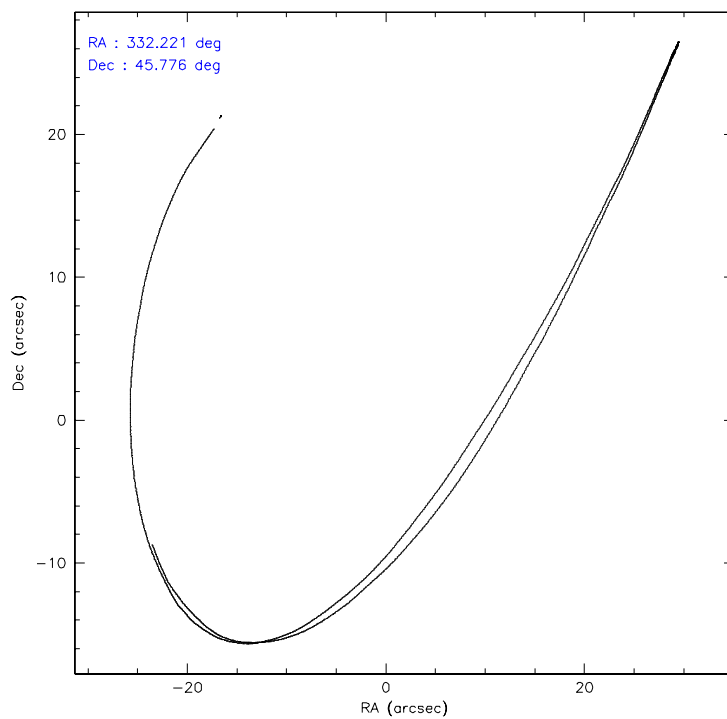
#### Level 1 Events

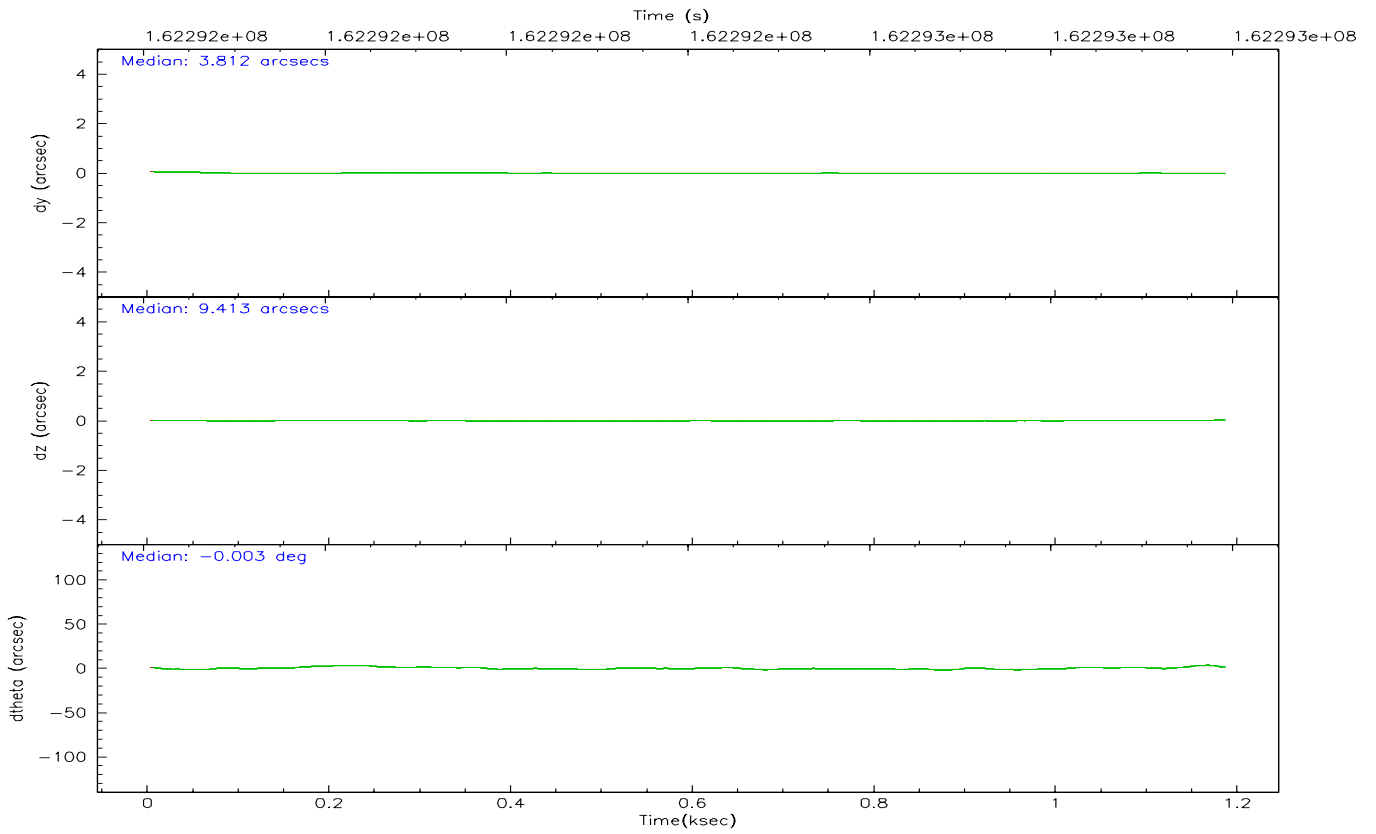
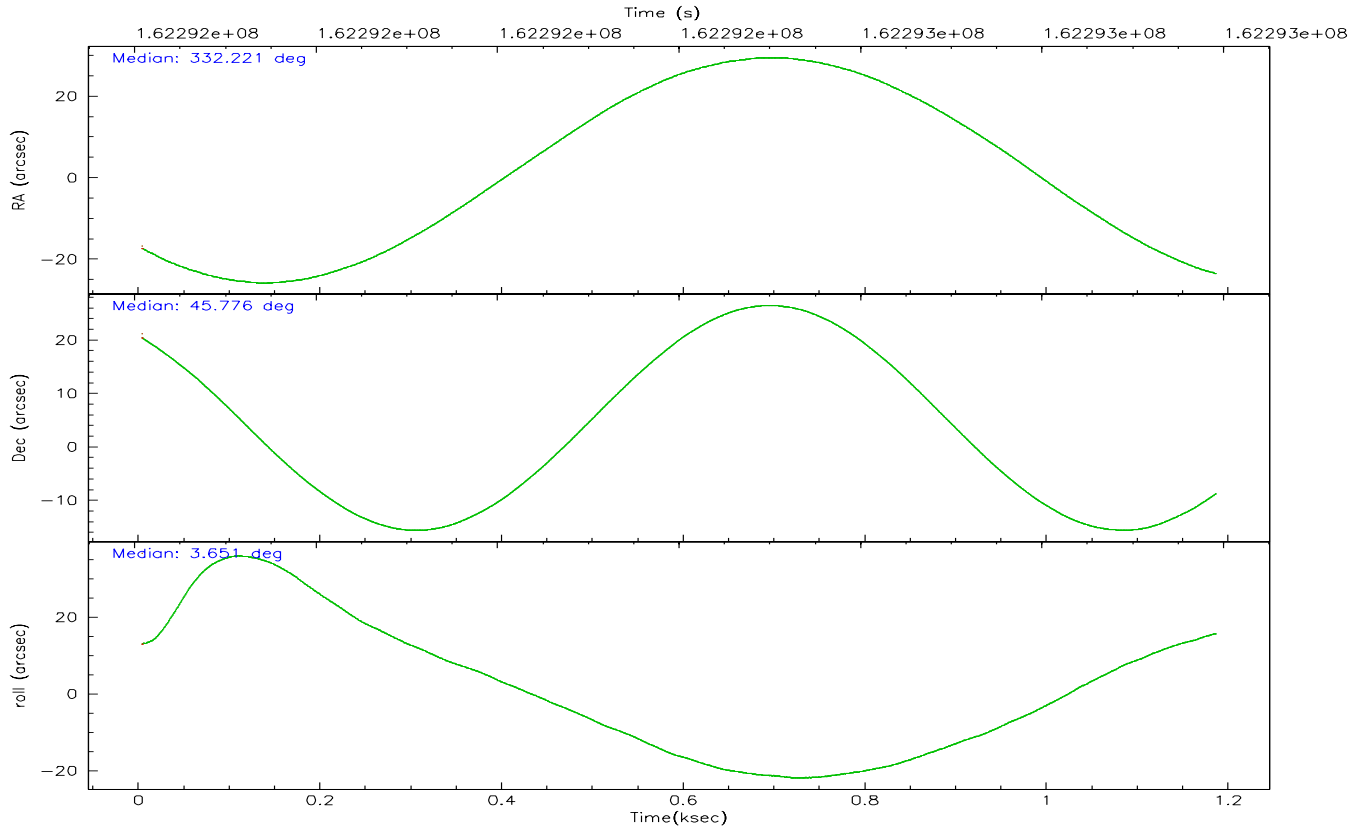
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	2600	82442	2389
rejected events	2600	30418	2389
rejected %	100%	36%	100%

## 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	332.188420	332.220880098528			
Pointing Dec	45.760823	45.77706114694641			
Pointing Roll	3.613747	3.657688963810743			
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	162291995.184000	162291619.53197			
Observation start date	2003-02-22T09:05:31	2003-02-22T09:00:19			
Observation end time	162292995.184000	162293165.74454			
Observation end date	2003-02-22T09:22:11	2003-02-22T09:26:05			

## 2.3 Aspect



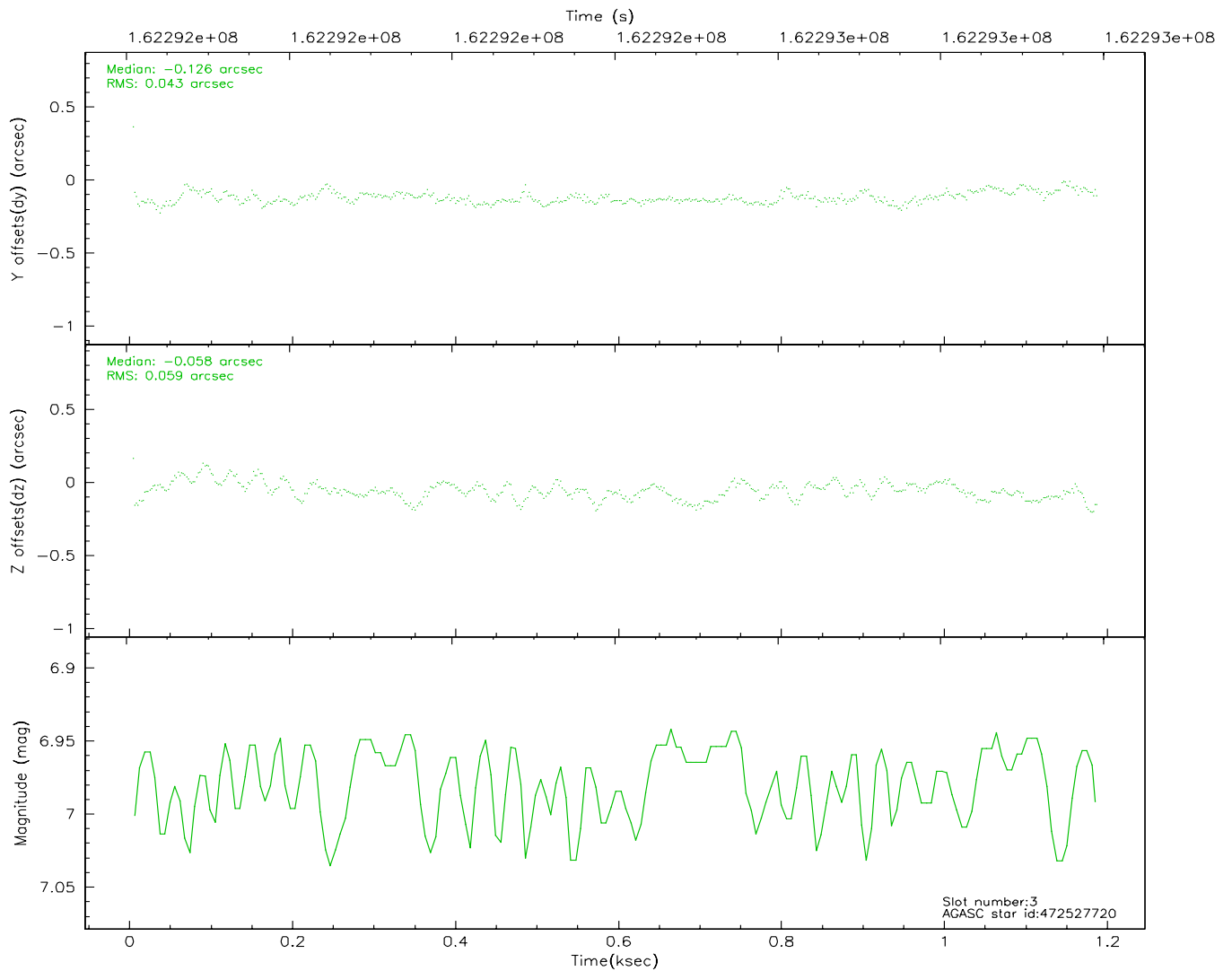
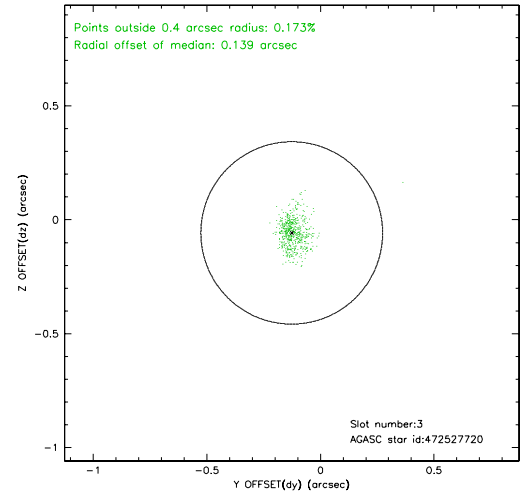
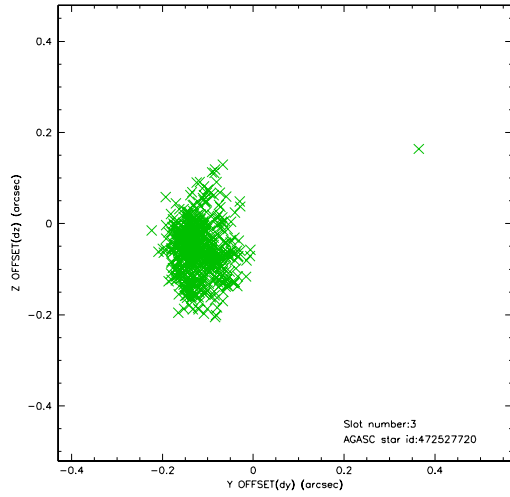


### Slot Statistics

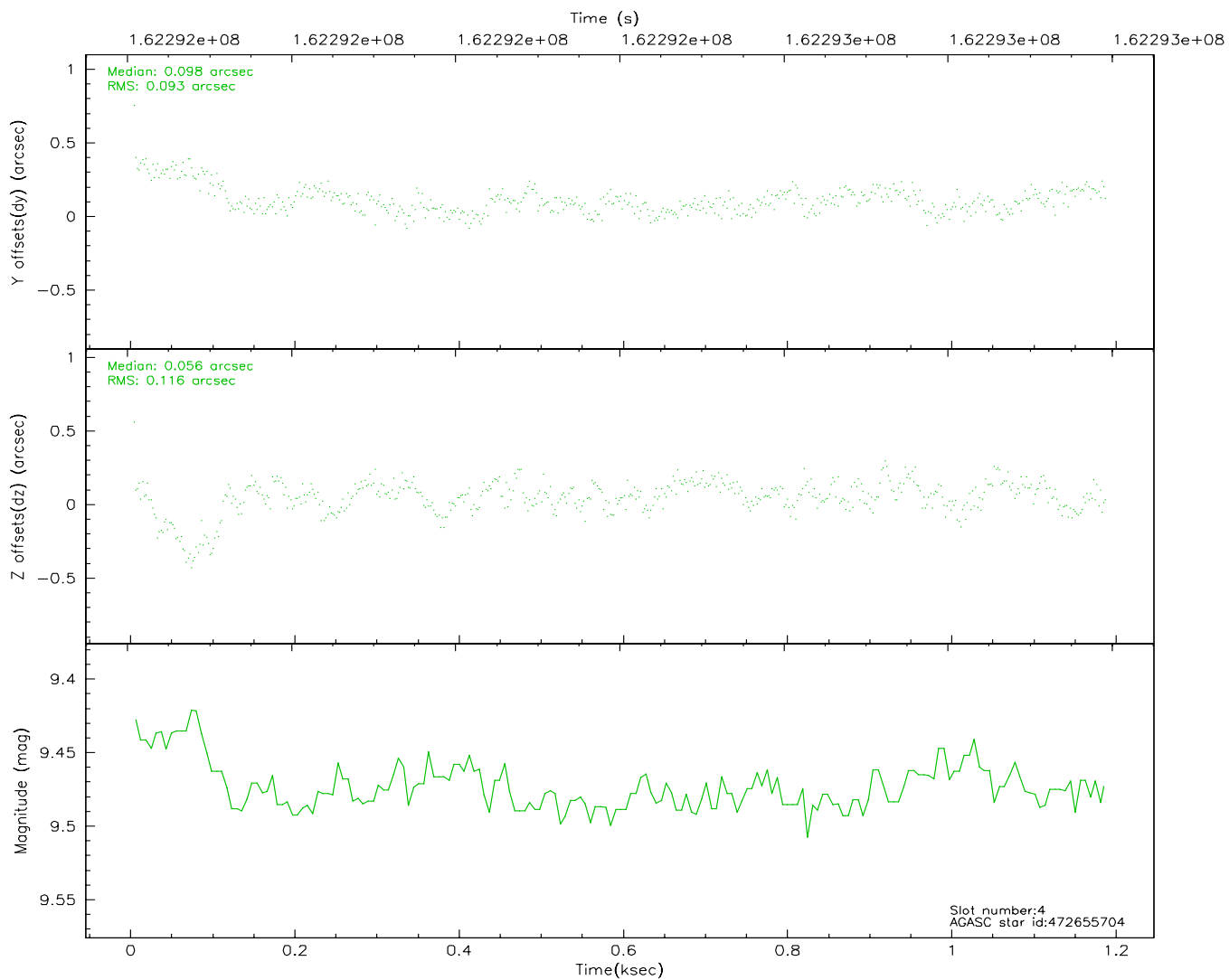
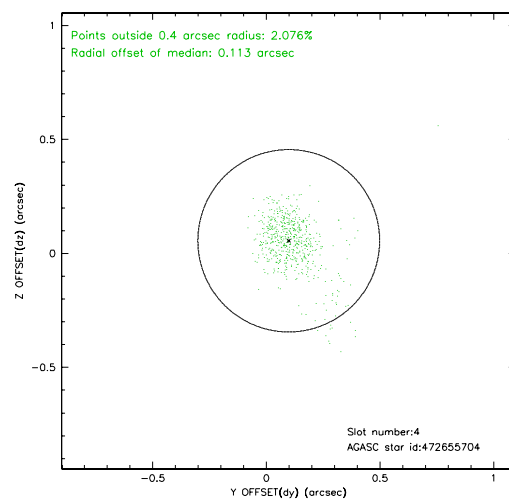
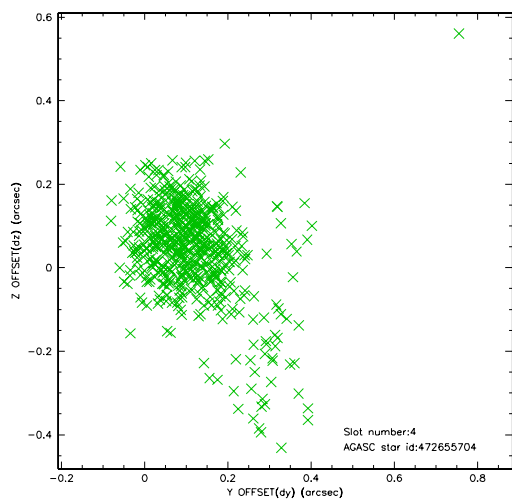
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	289	0.160	-0.180	0.009	0.015	0.000000	0.000000	-1157.85	-458.07
1	FID	HRC-S-2	6.99	289	0.077	-0.090	0.008	0.021	0.000000	0.000000	1237.74	-452.24
2	FID	HRC-S-3	7.02	289	0.155	-0.032	0.006	0.013	0.000000	0.000000	-1156.28	570.04
3	GUIDE	472527720	6.98	578	-0.126	-0.058	0.074	0.127	331.460205	45.112509	-1991.44	-2201.65
4	GUIDE	472655704	9.48	578	0.098	0.056	0.126	0.307	332.167195	45.285228	-163.21	-1706.11
5	GUIDE	472659832	9.46	578	0.048	0.084	0.083	0.134	332.780399	46.098139	1552.88	1124.59
6	GUIDE	472523760	8.24	578	-0.079	-0.047	0.079	0.128	331.645363	45.403260	-1446.54	-1188.80
7	GUIDE	472533912	9.18	577	0.040	-0.018	0.113	0.200	331.791136	46.368695	-848.12	2249.48

## 2.4 Star Slots

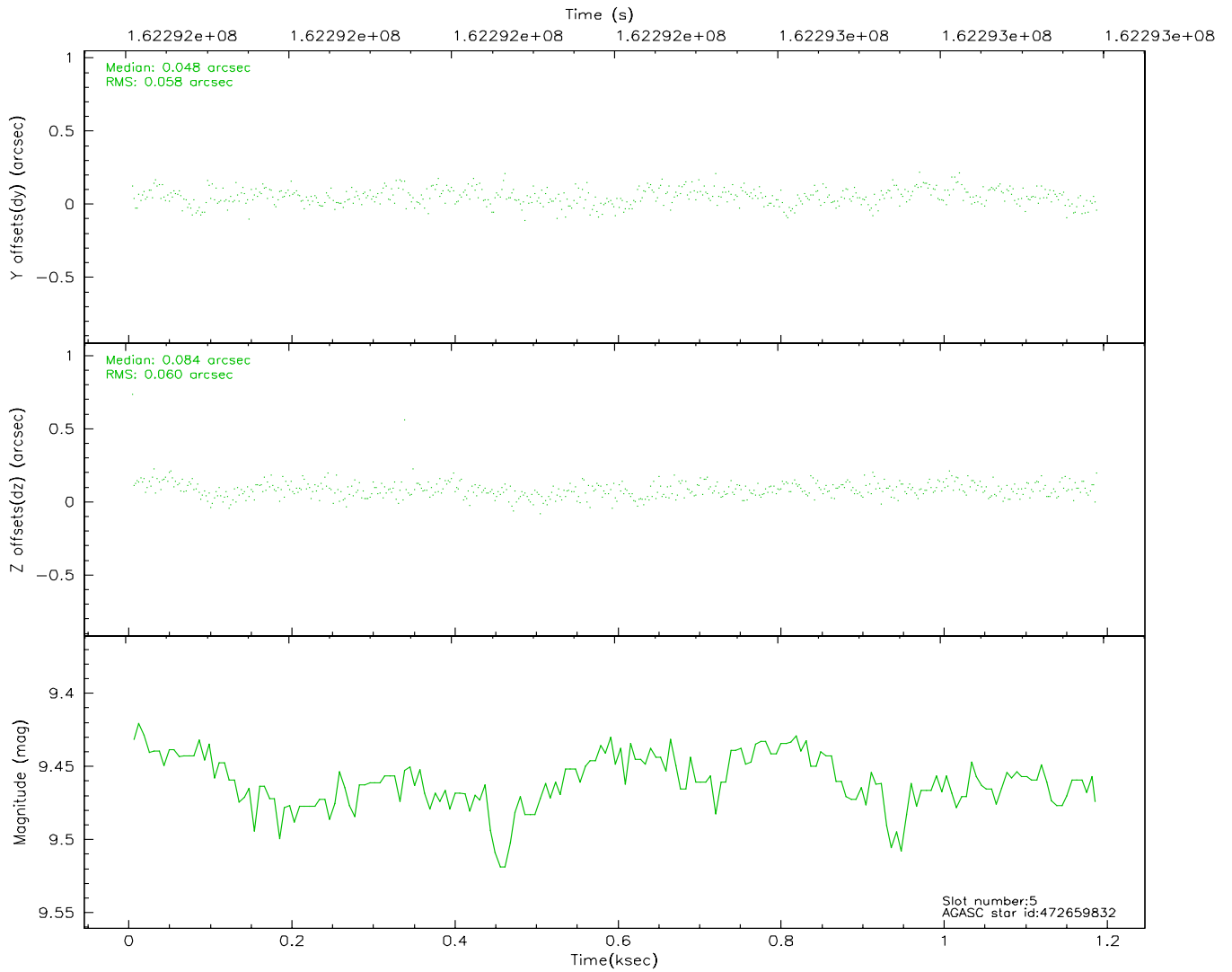
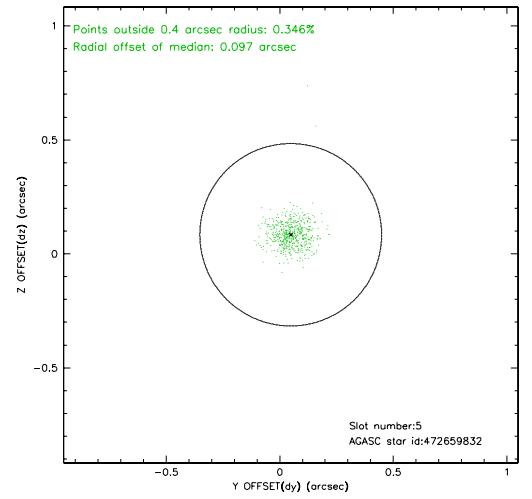
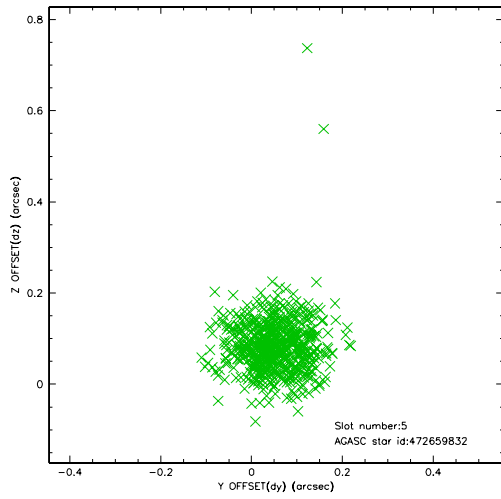
### 2.4.1 Slot 3



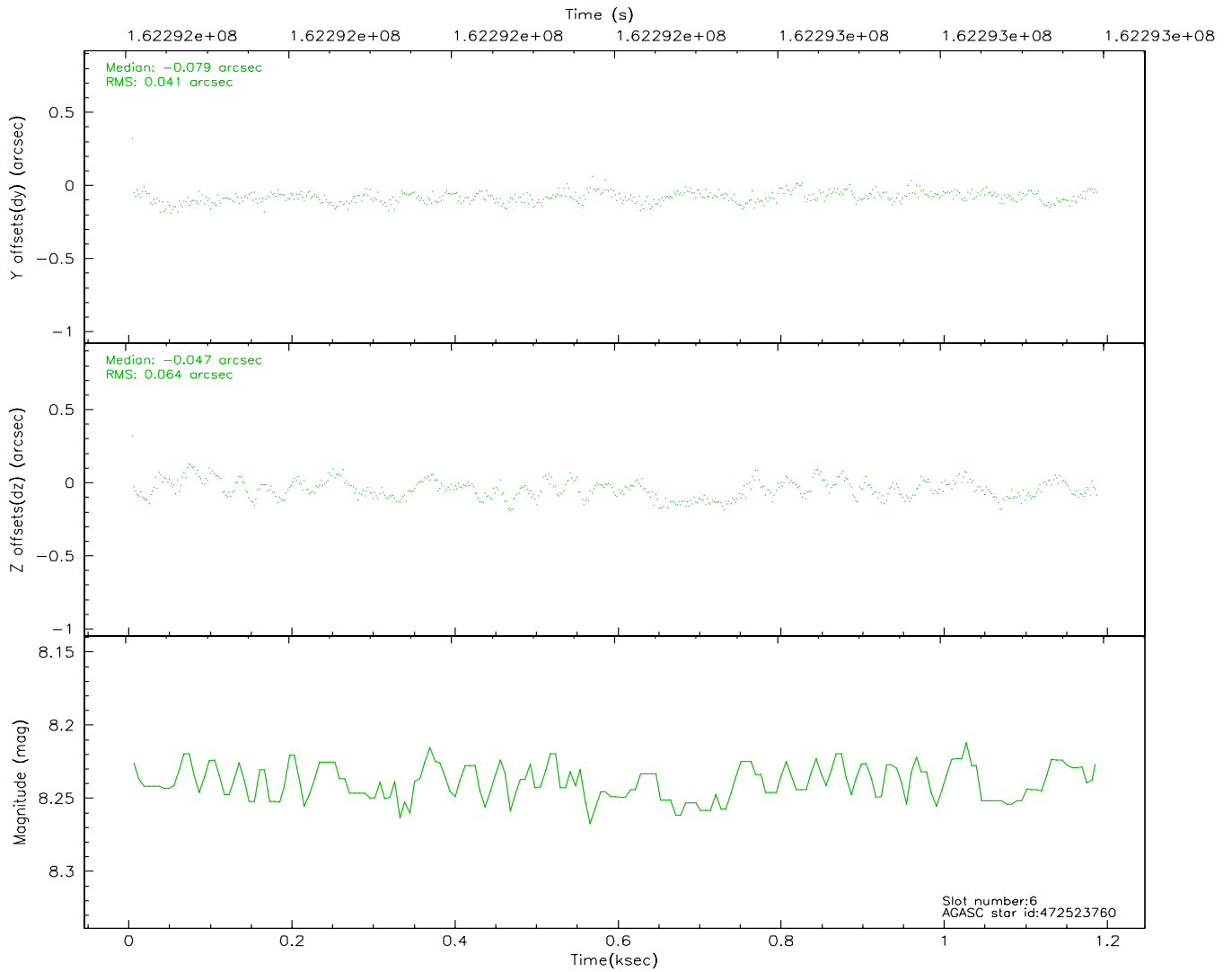
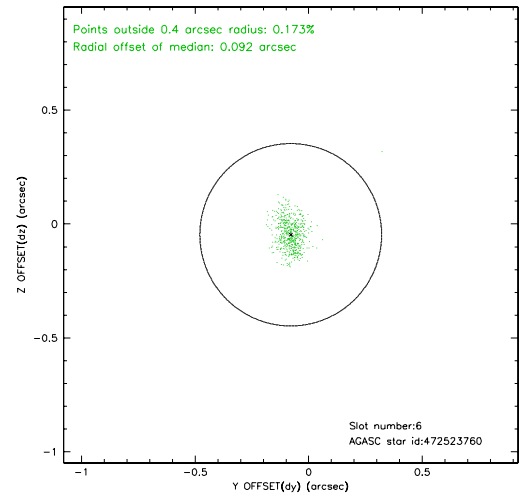
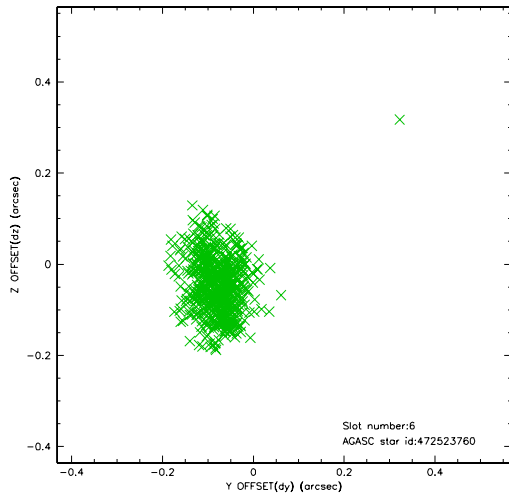
## 2.4.2 Slot 4



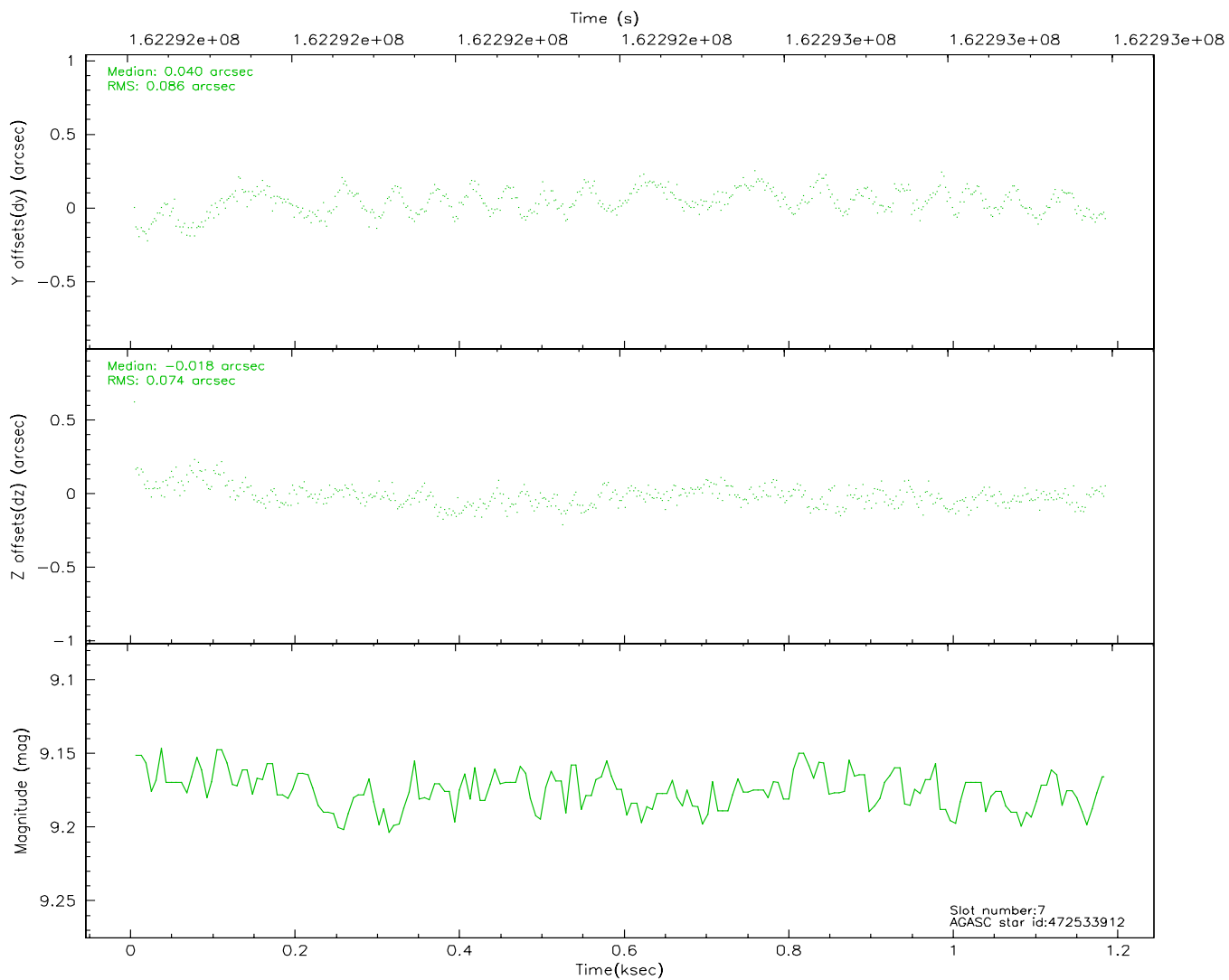
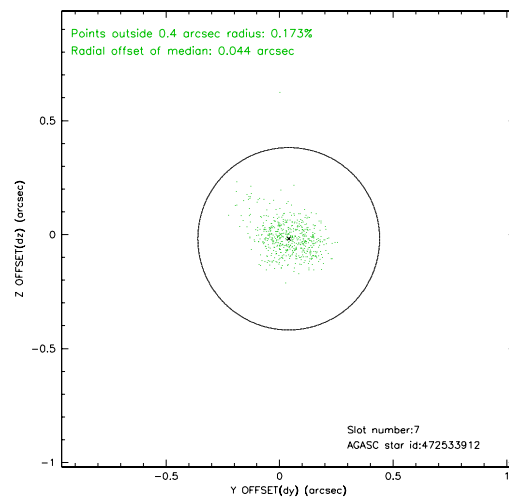
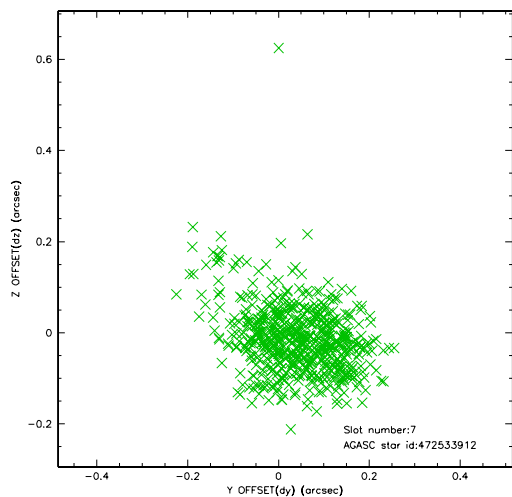
### 2.4.3 Slot 5



### 2.4.4 Slot 6

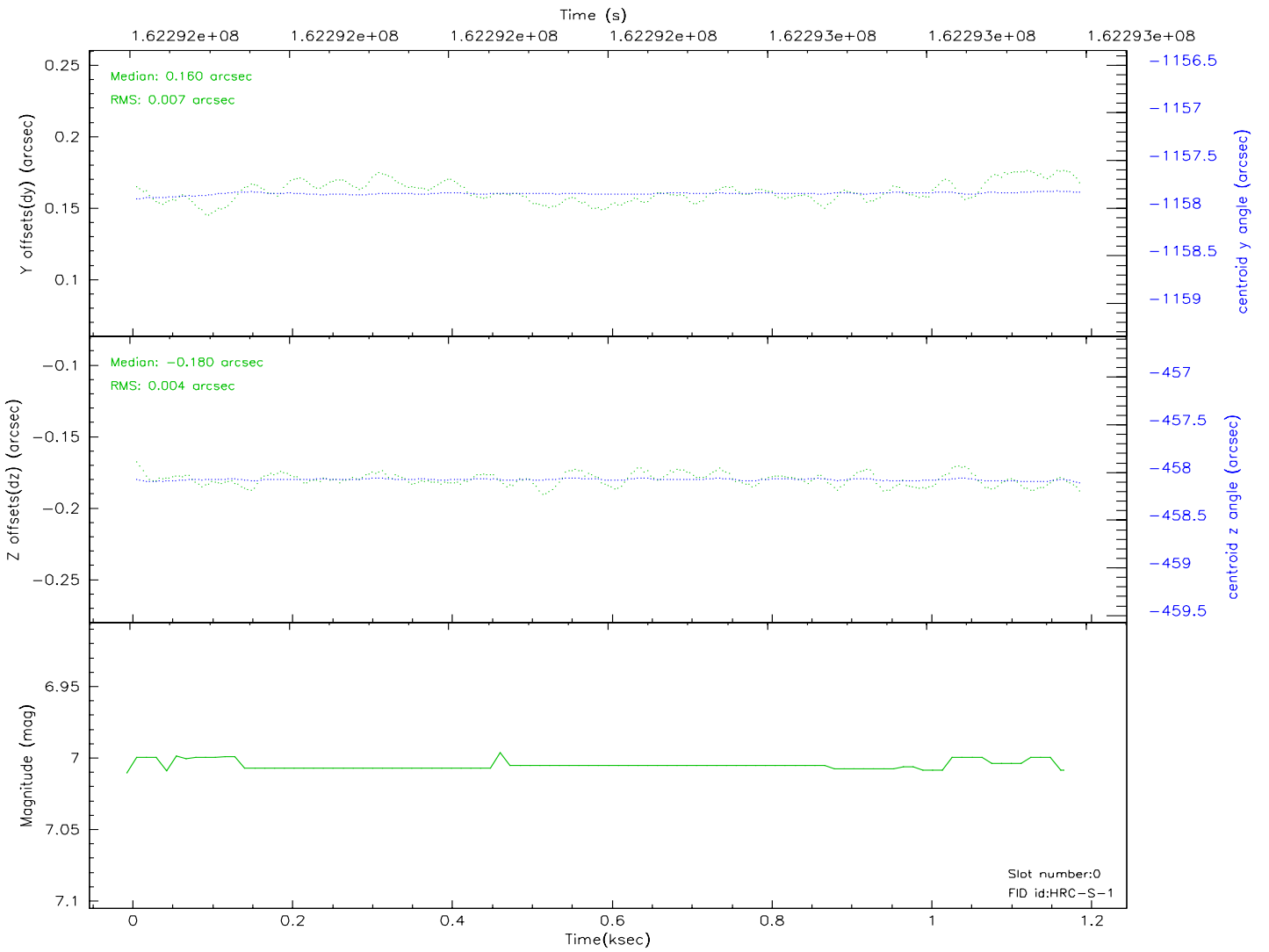
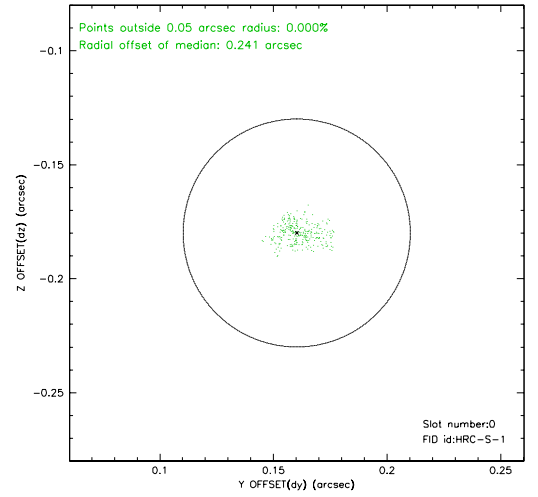
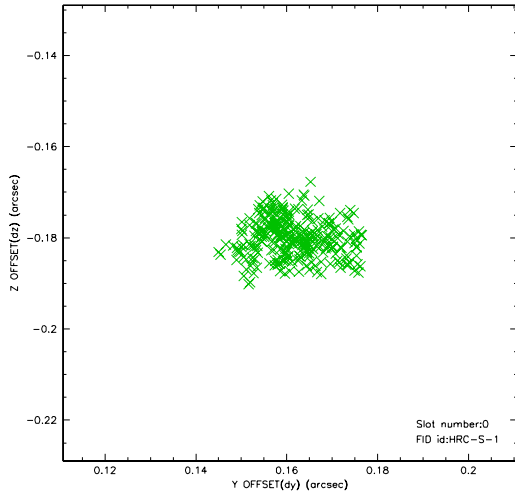


## 2.4.5 Slot 7

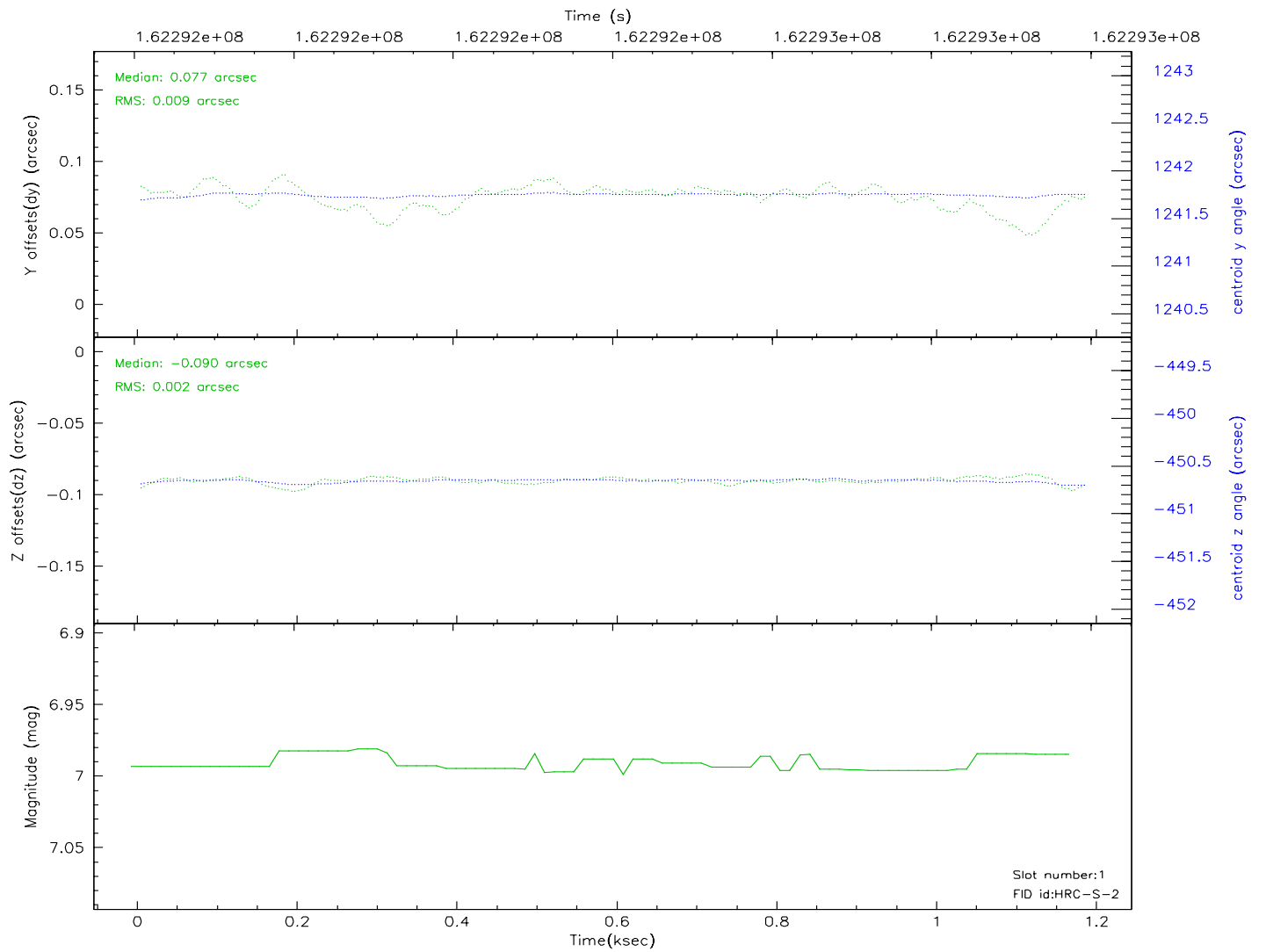
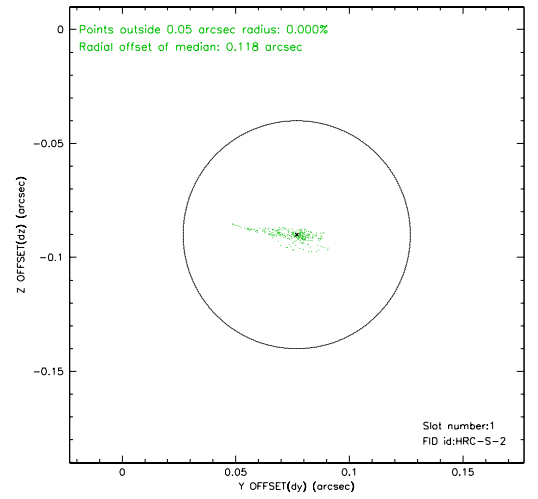
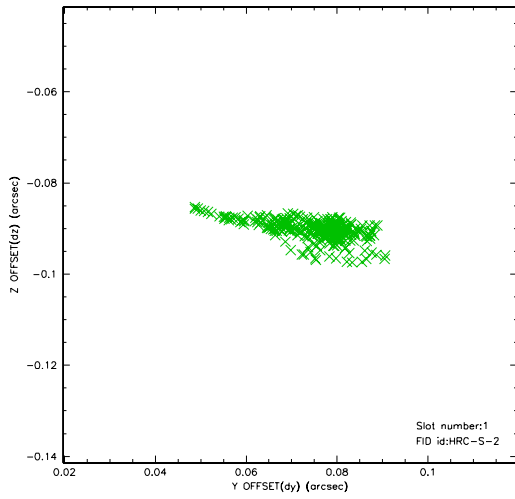


## 2.5 FID Slots

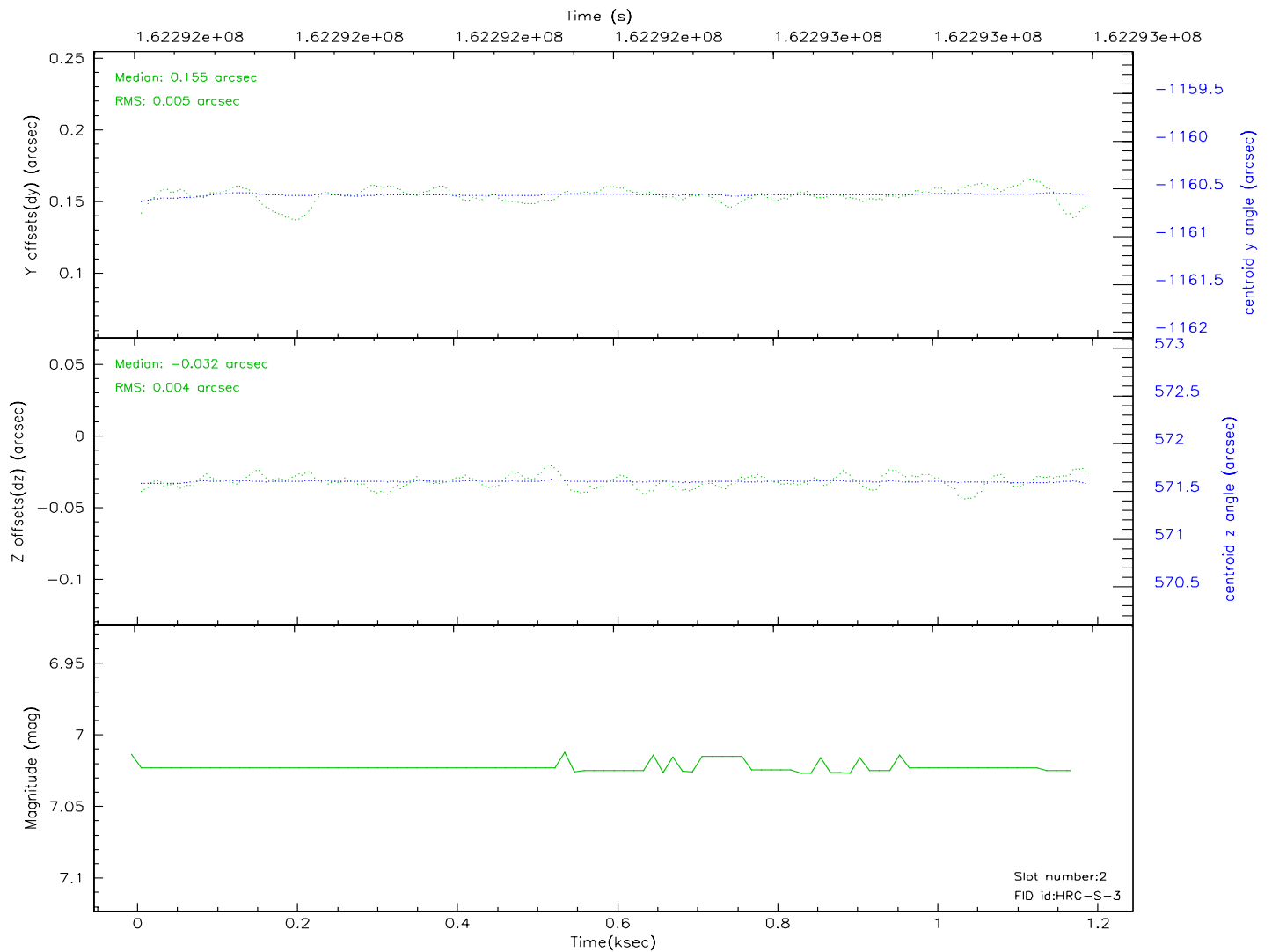
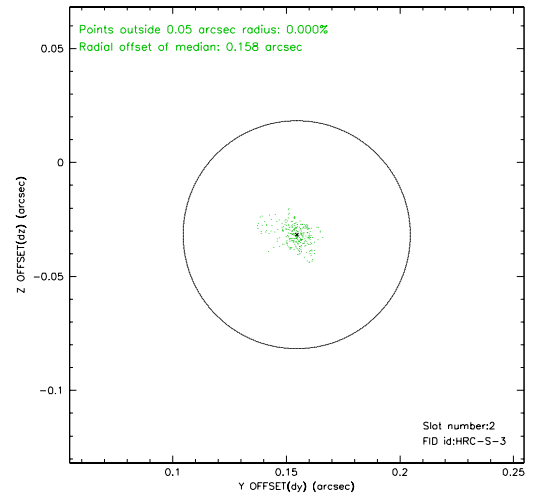
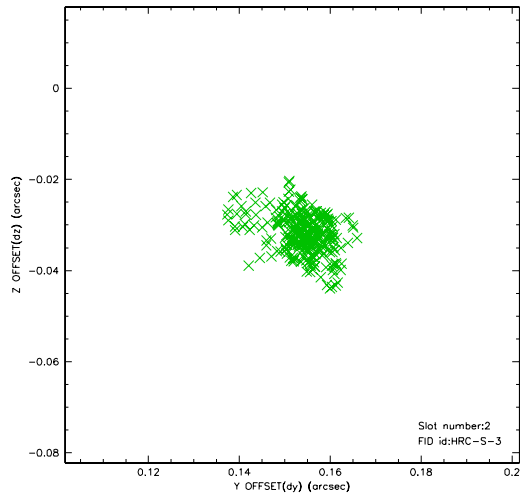
### 2.5.1 Slot 0



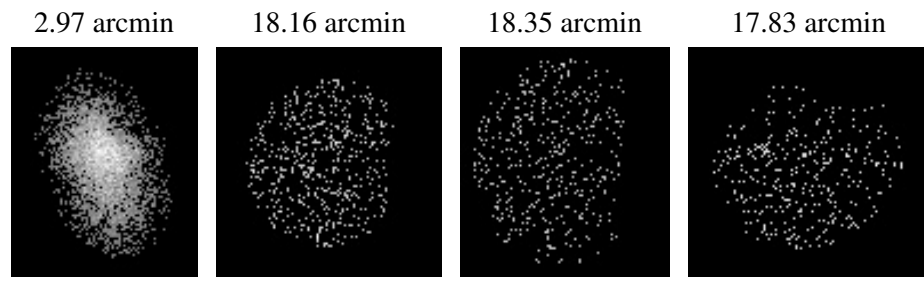
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.141

## A.2 Comments

Monitor constraint not met.