

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5089 - L2 Version 001  
Chandra X-Ray Center

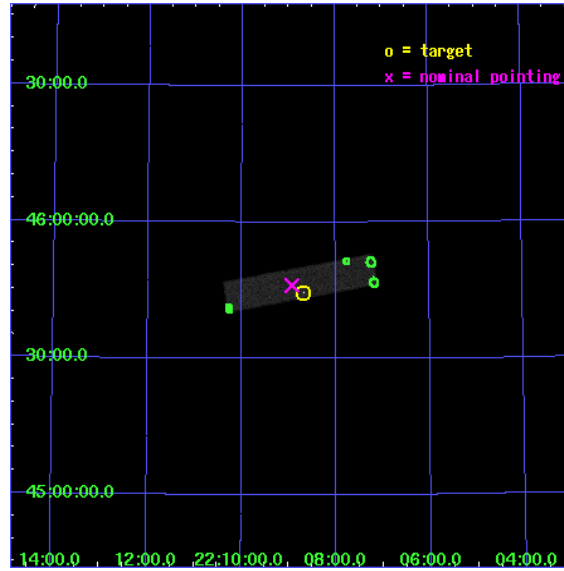
L2 Processing Date : Jun 4 2006

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# 1 Front

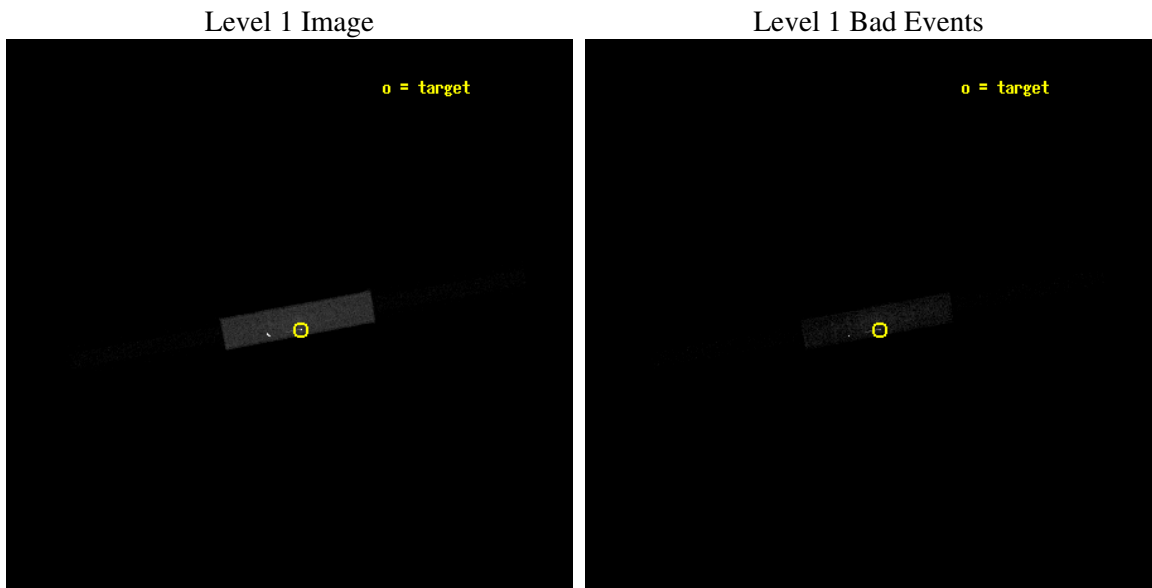
seq_num	290362
obs_id	5089
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.23237914873
dec_nom	45.768717113522
roll_nom	349.48875366958
revision	2
ontime	1087.7812975645
livetime	1080.3372348755
l2events	37370



## 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	2006-06-04T17:06:09
revision	2

sched_exp_time	946.000000
ontime	1129.5500493646
l1events	80816

### 2.1.3 Events

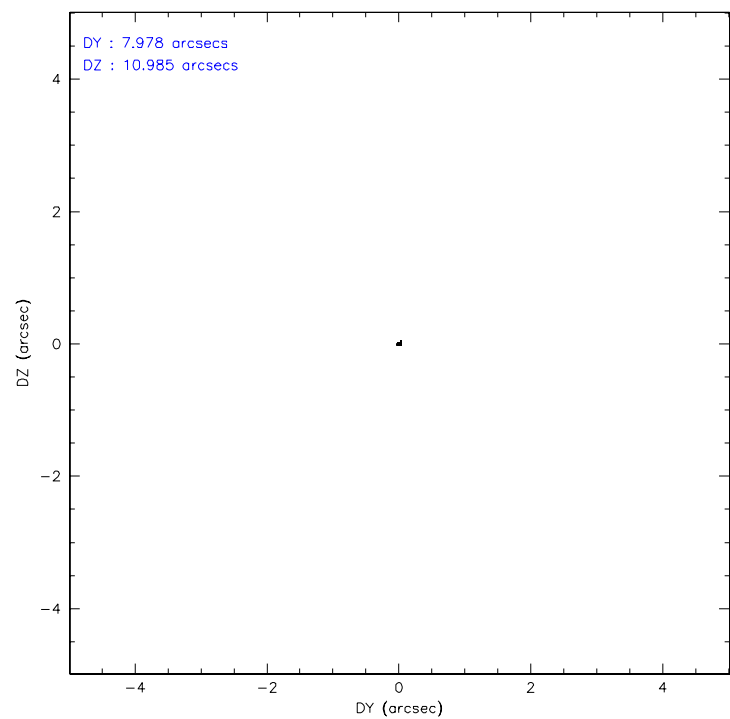
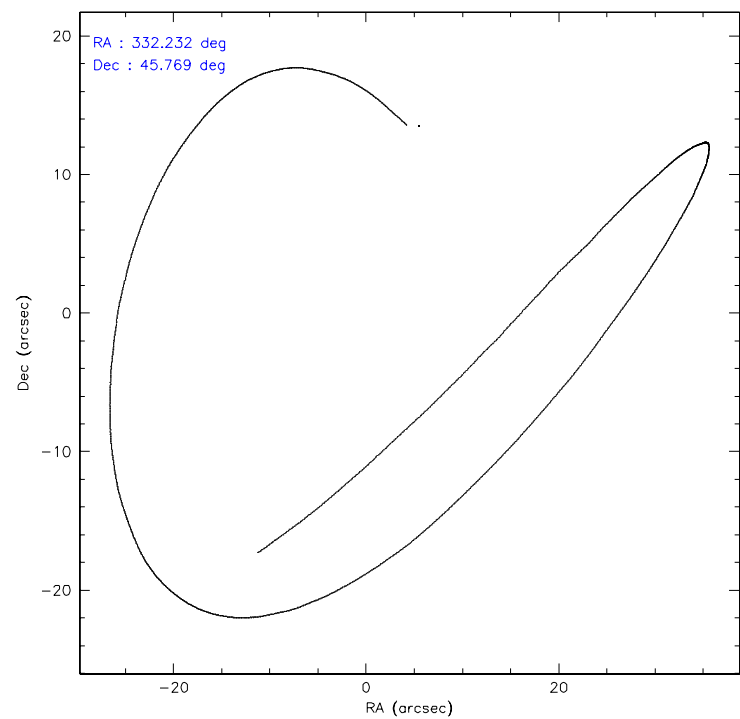
Level 1 Events

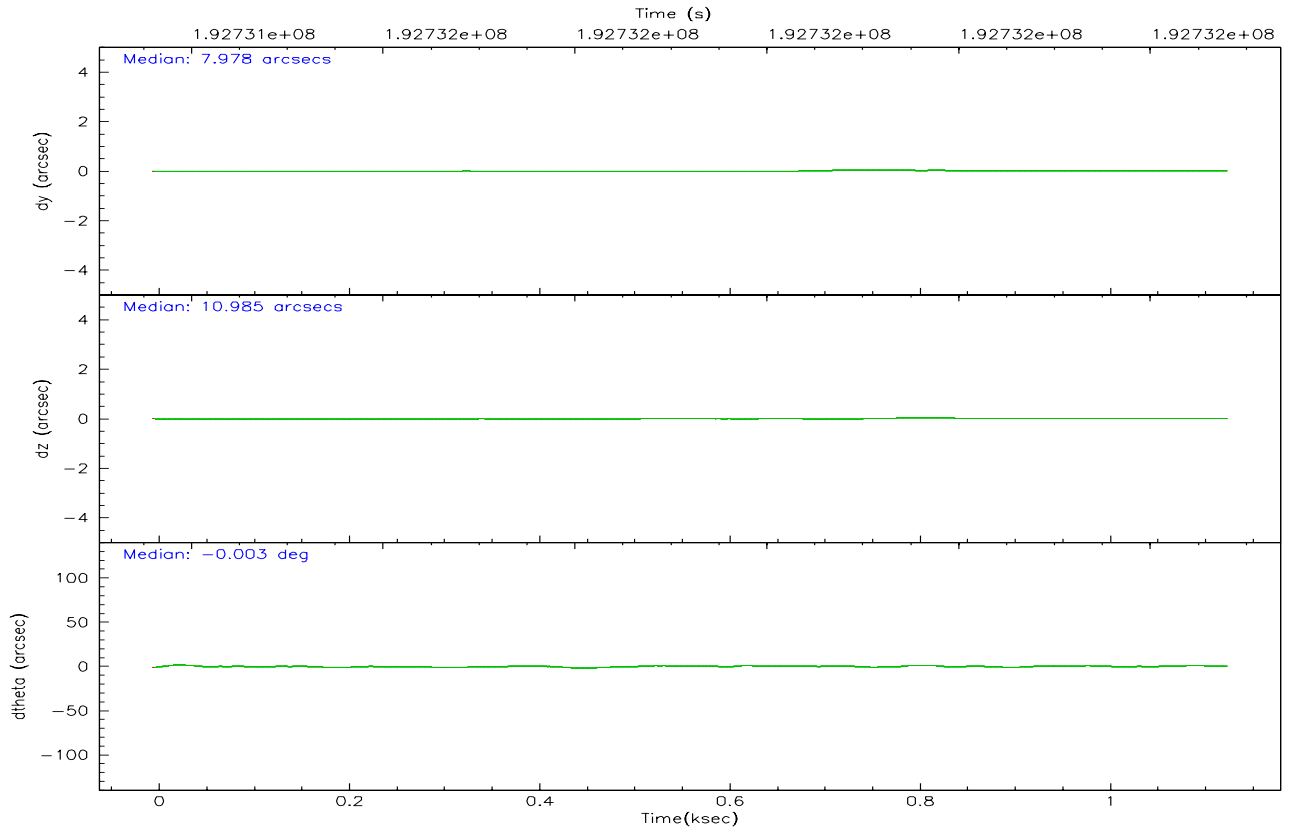
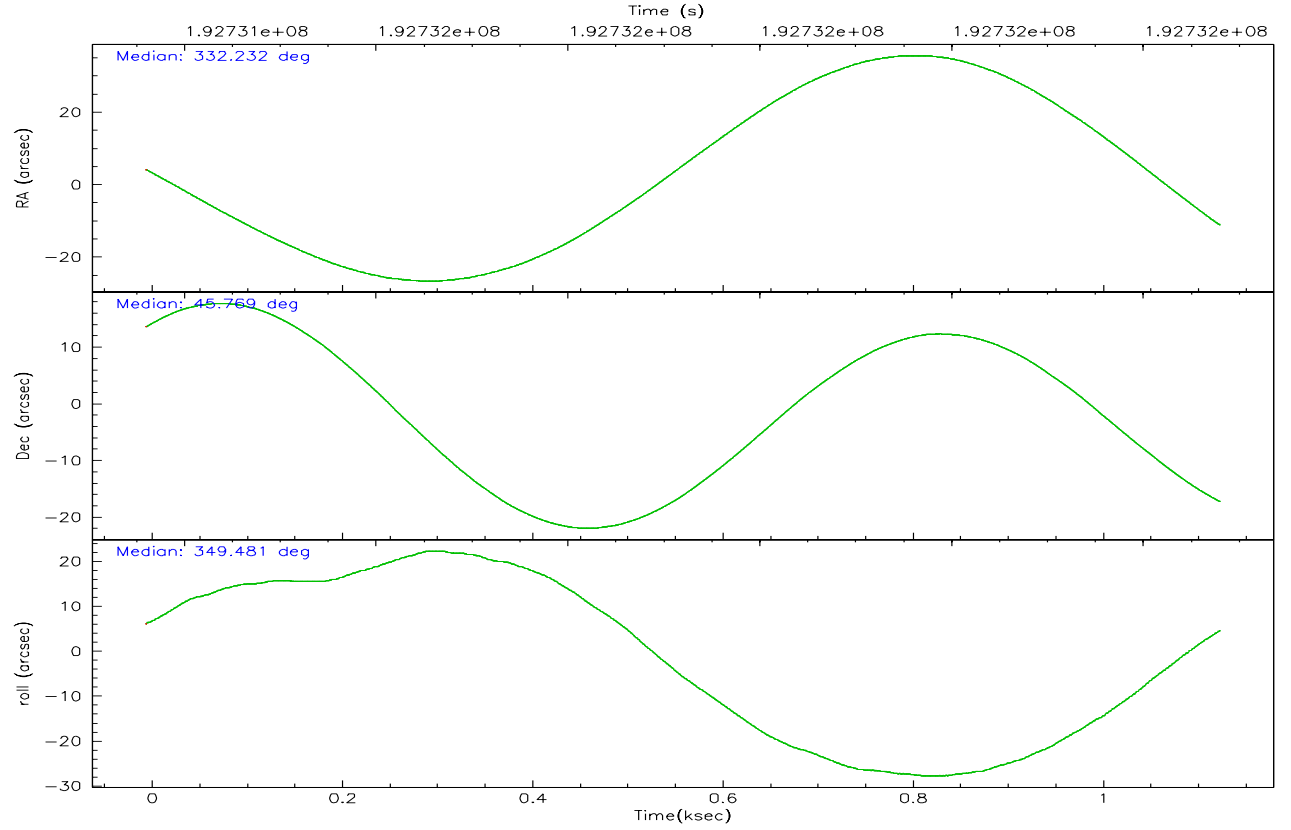
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1130	78620	1066
rejected events	1130	26933	1066
rejected %	100%	34%	100%

## 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	332.194360	332.2323791487256			
Pointing Dec	45.757113	45.76871711352165			
Pointing Roll	349.448633	349.4887536695817			
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	192731537.184000	192731161.14751			
Observation start date	2004-02-09T16:31:13	2004-02-09T16:26:01			
Observation end time	192732483.184000	192732616.64757			
Observation end date	2004-02-09T16:46:59	2004-02-09T16:50:16			

2.3 Aspect





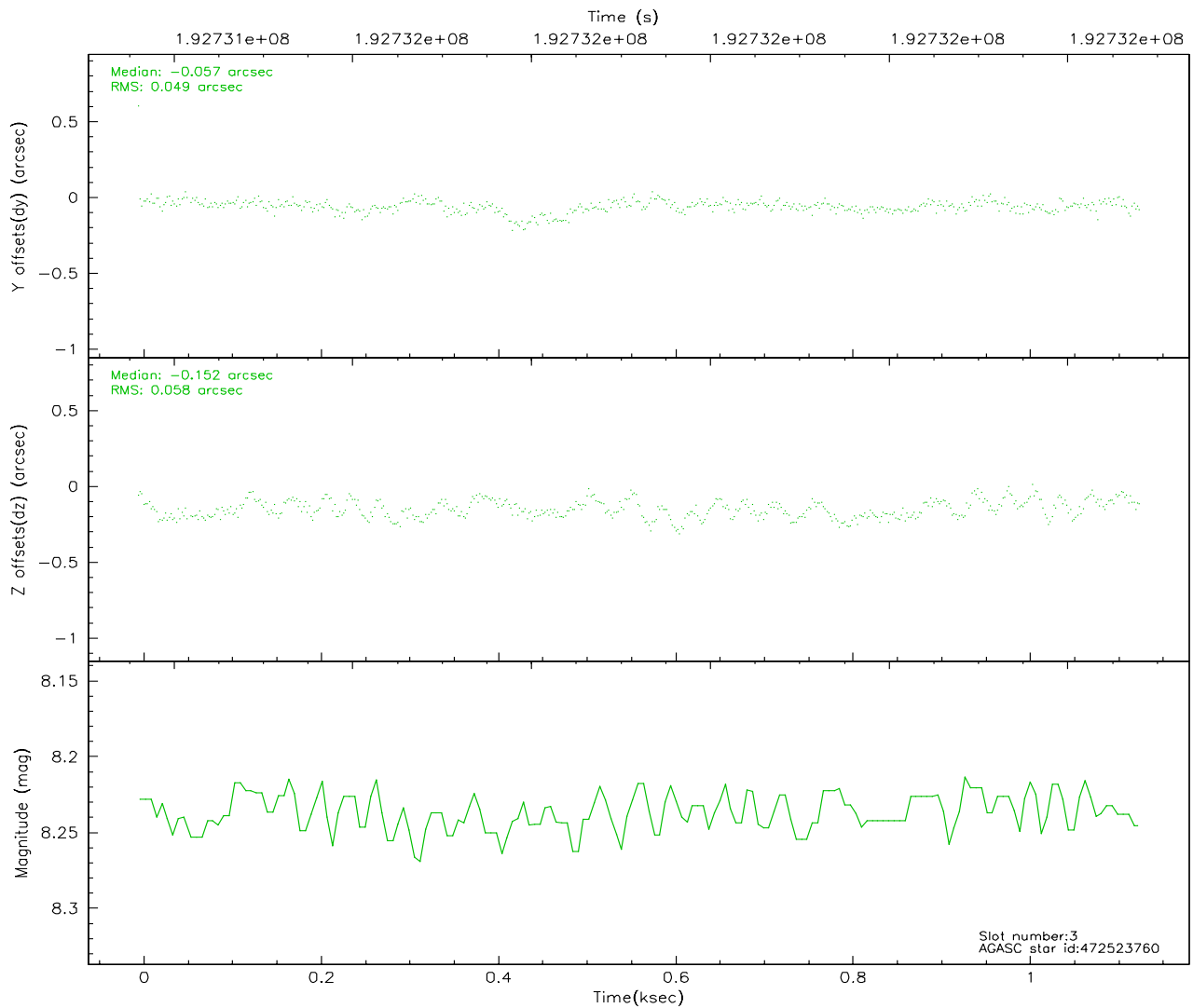
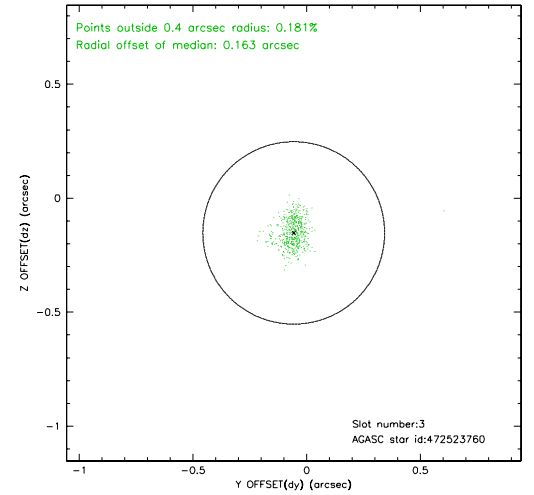
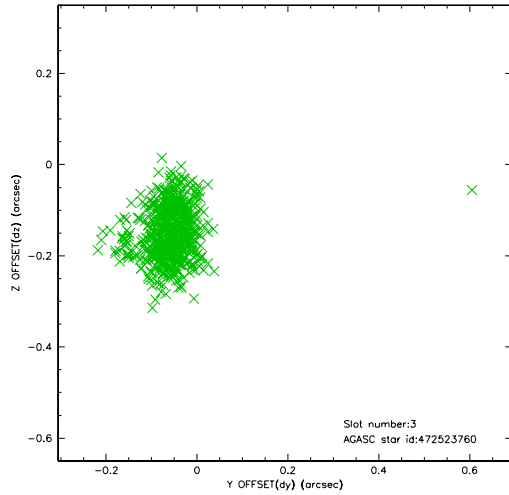
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	276	0.149	-0.168	0.006	0.010	0.000000	0.000000	-1162.14	-459.70
1	FID	HRC-S-2	7.02	276	0.127	-0.108	0.005	0.010	0.000000	0.000000	1233.31	-453.97
2	FID	HRC-S-3	7.04	276	0.112	-0.026	0.006	0.011	0.000000	0.000000	-1160.42	568.33
3	GUIDE	472523760	8.24	551	-0.057	-0.152	0.075	0.122	331.645363	45.403260	-1131.28	-1504.52
4	GUIDE	472533912	9.16	552	-0.025	0.048	0.111	0.168	331.791136	46.368695	-1390.36	1978.25
5	GUIDE	472655152	9.42	551	0.097	-0.000	0.111	0.173	332.504239	45.862991	691.62	519.72
6	GUIDE	472659832	9.45	552	0.043	0.116	0.108	0.175	332.780399	46.098139	1213.91	1478.93
7	GUIDE	472654568	9.43	551	-0.044	0.006	0.121	0.200	332.194449	45.063576	460.36	-2454.19

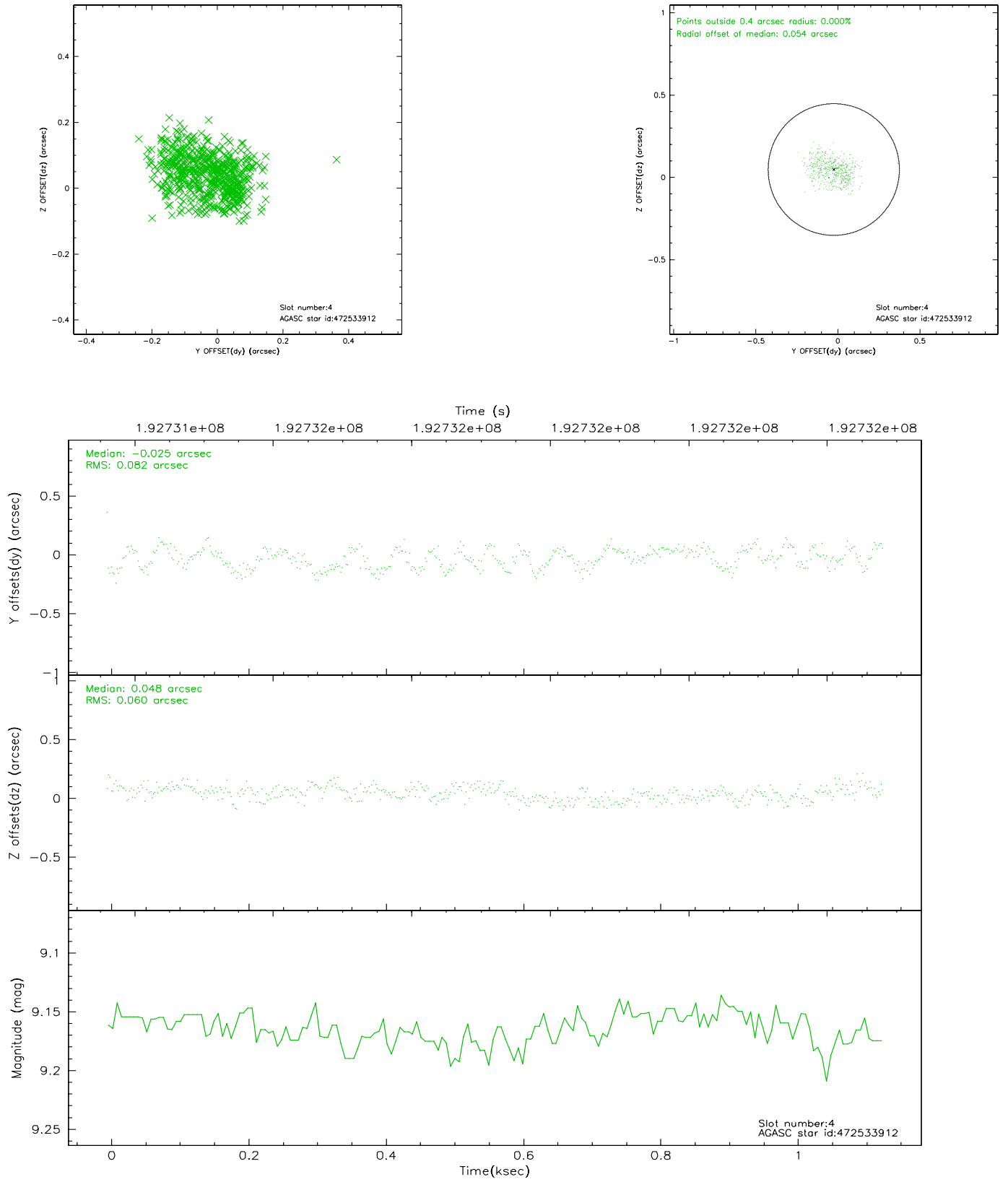


## 2.4 Star Slots

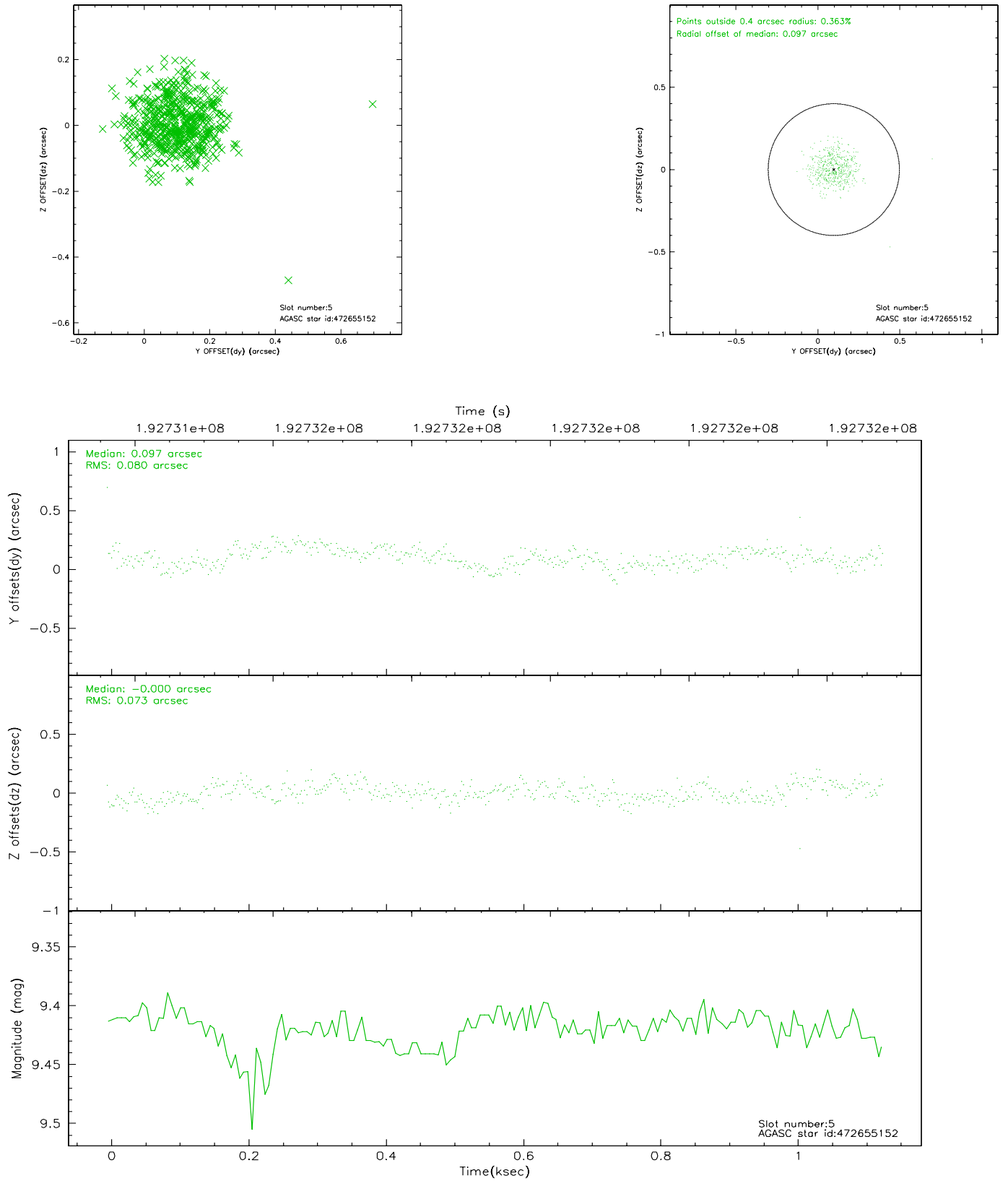
### 2.4.1 Slot 3



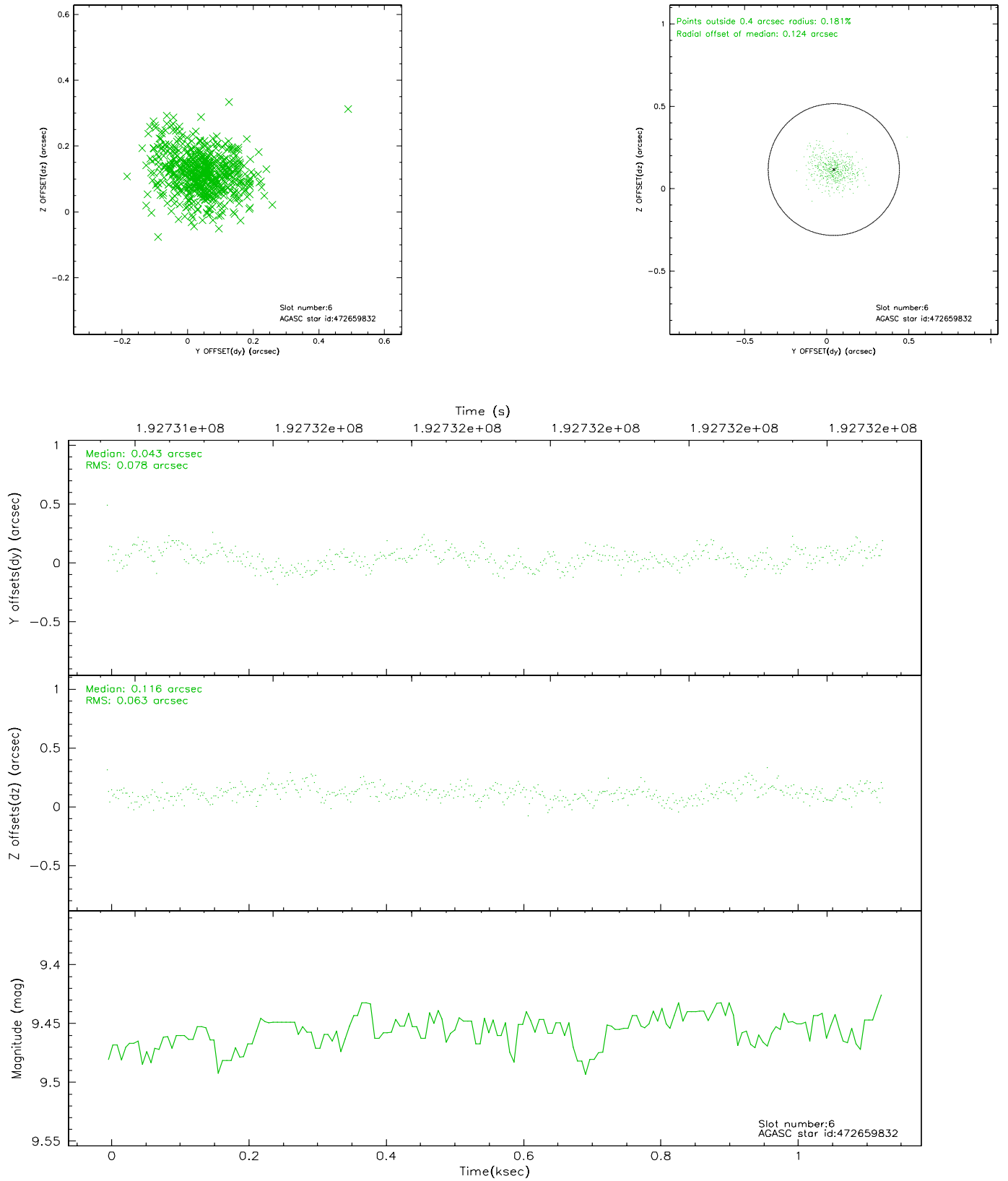
## 2.4.2 Slot 4



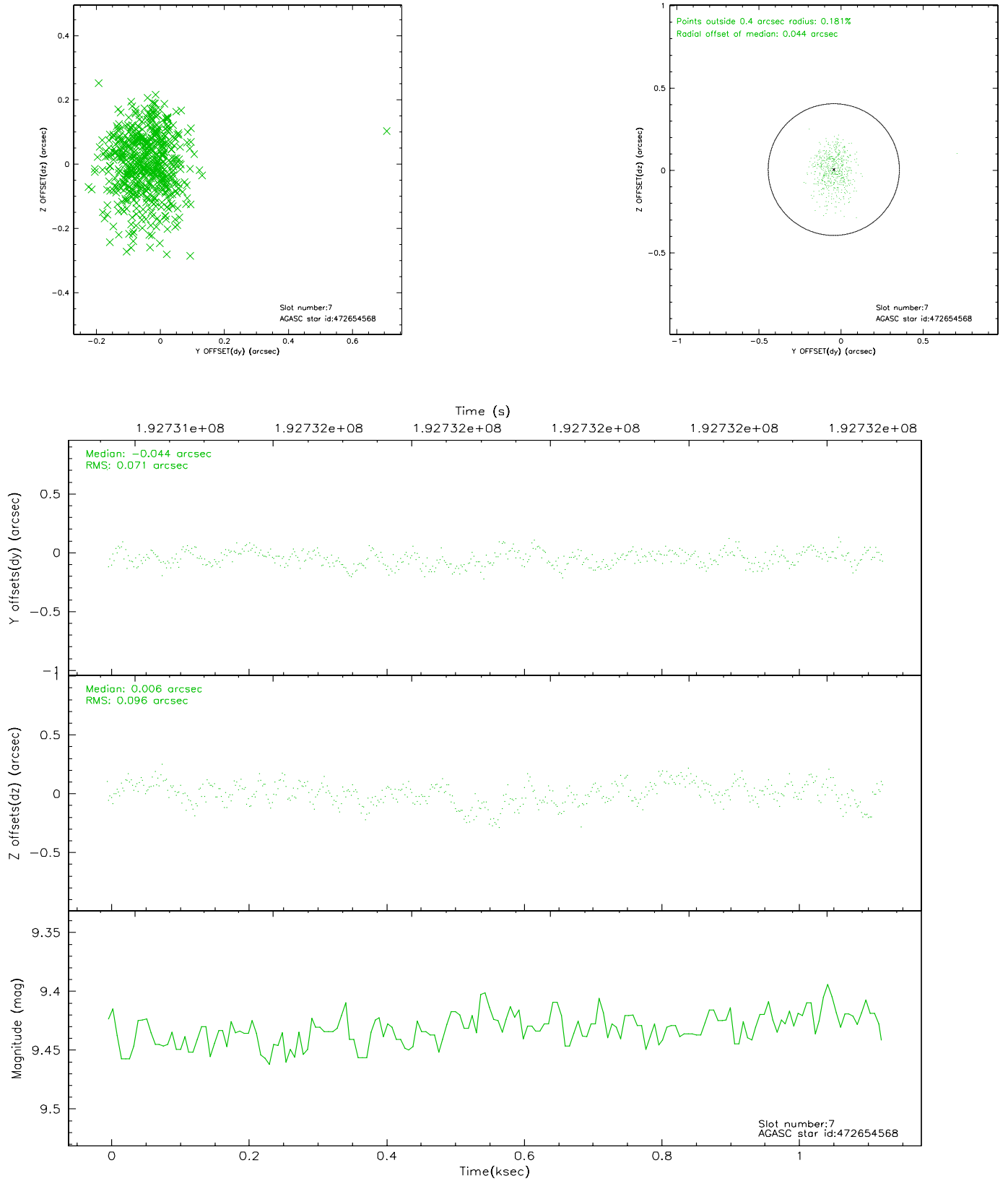
### 2.4.3 Slot 5



## 2.4.4 Slot 6

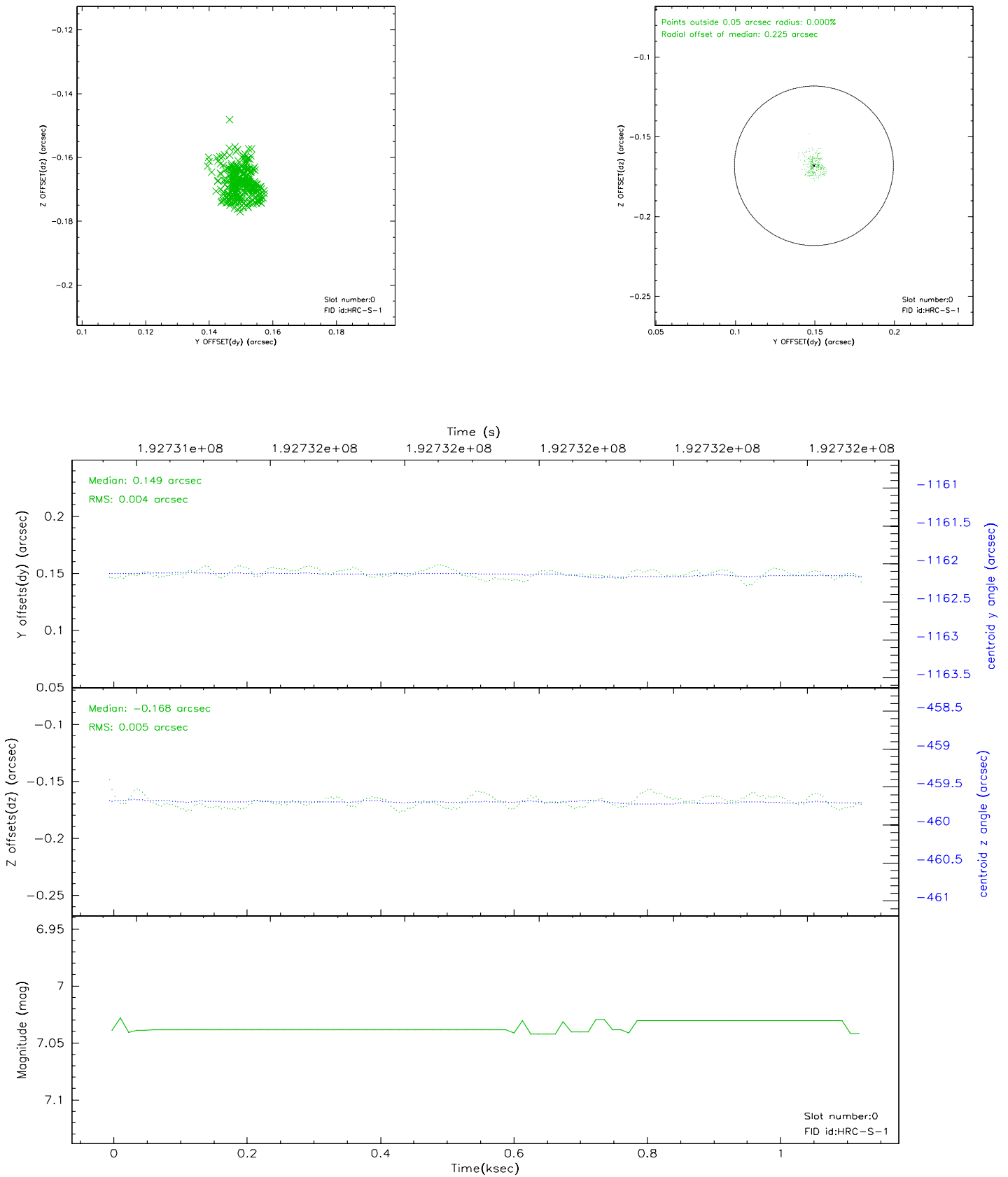


## 2.4.5 Slot 7

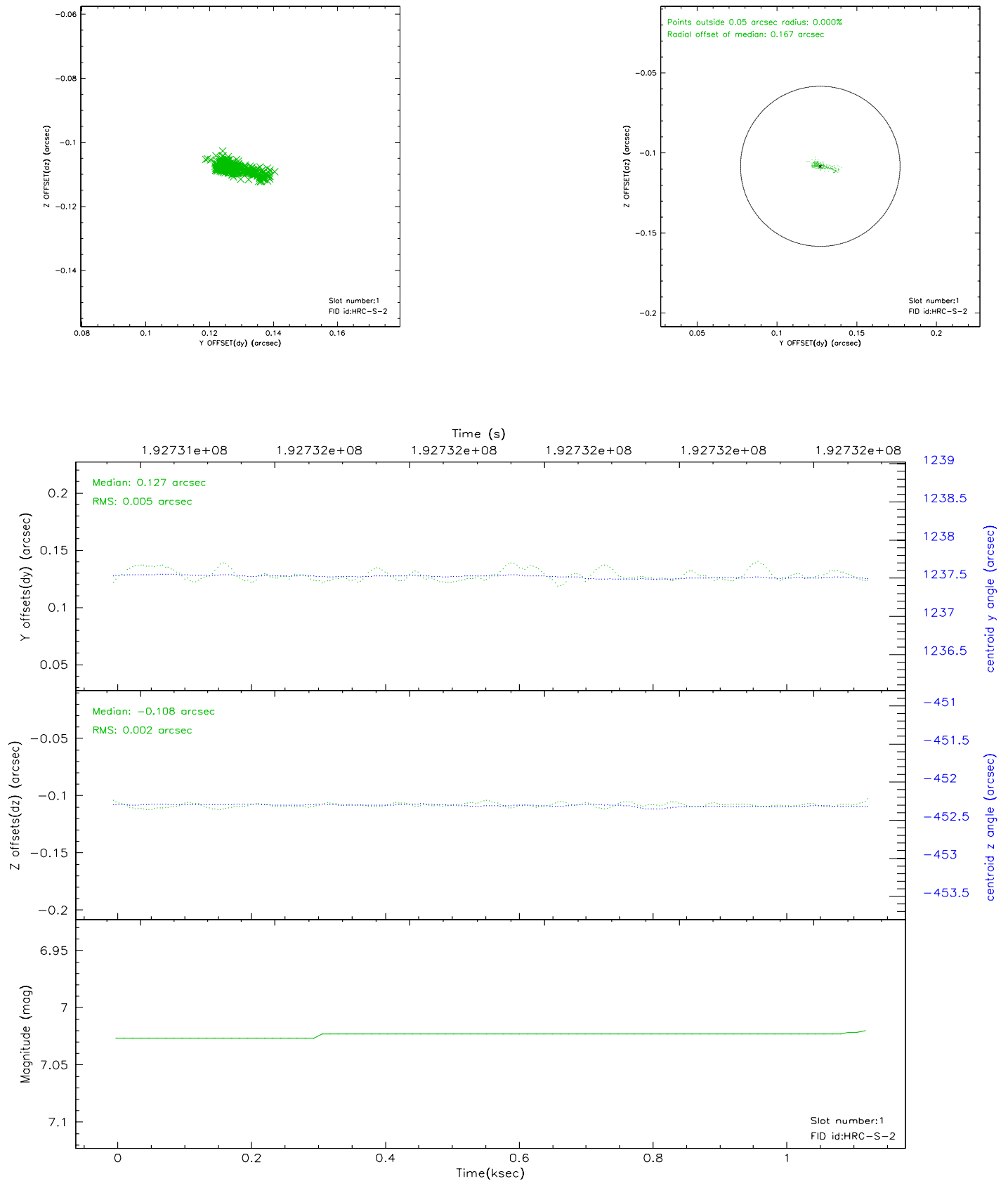


## 2.5 FID Slots

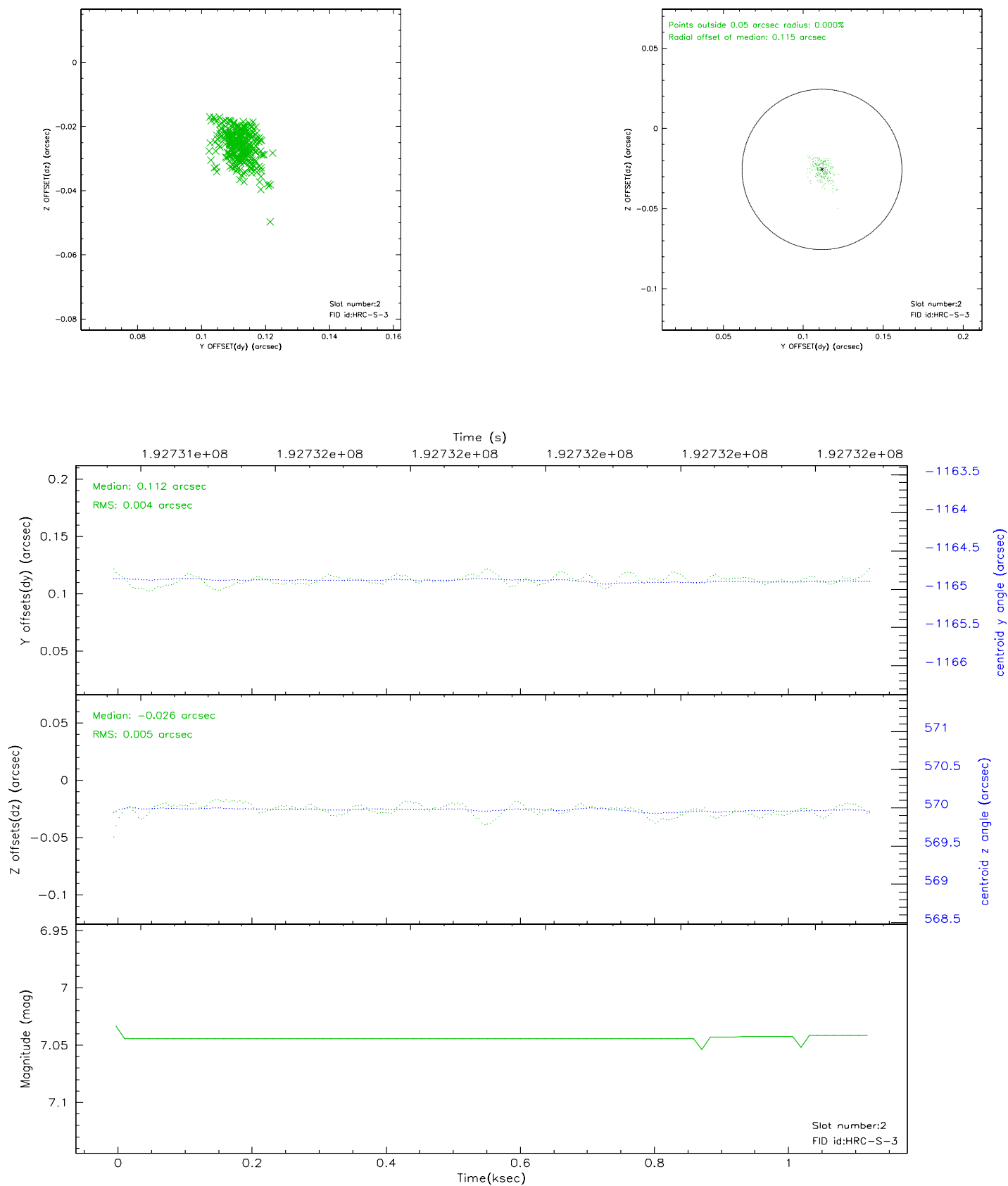
### 2.5.1 Slot 0



## 2.5.2 Slot 1

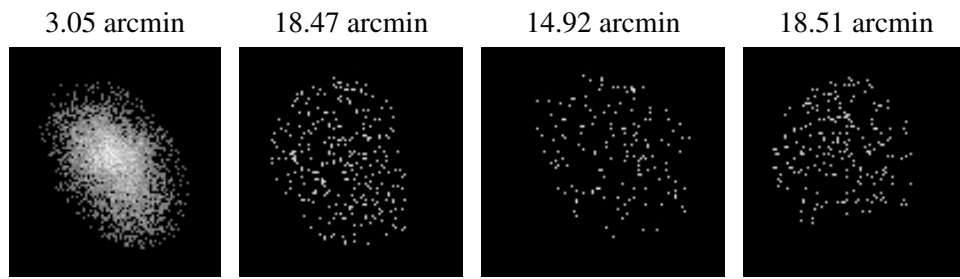


### 2.5.3 Slot 2





### 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	1.087

### A.2 Comments