

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2432 - L2 Version 001  
Chandra X-Ray Center

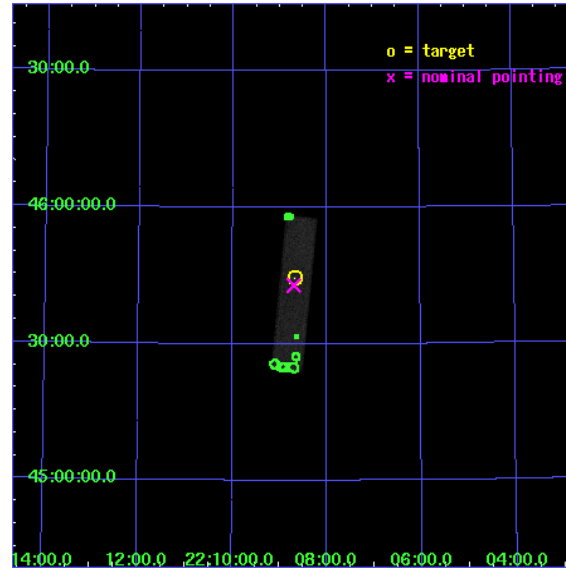
L2 Processing Date : Nov 21 2006

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# 1 Front

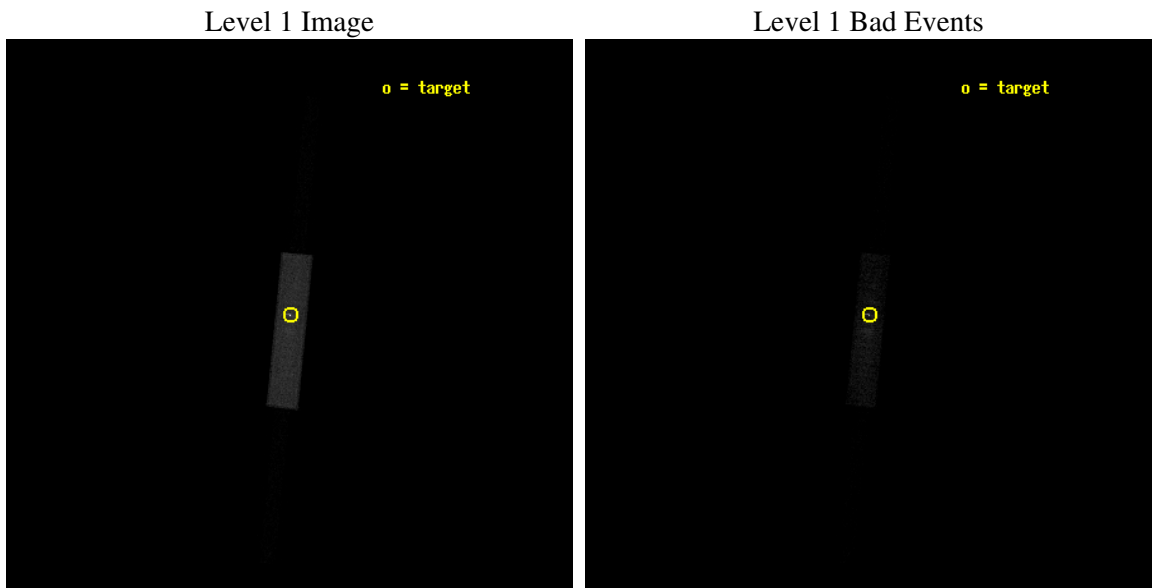
seq_num	290078
obs_id	2432
title	HRC-S CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.17376573901
dec_nom	45.714866883457
roll_nom	95.610290725322
revision	4
ontime	1376.8313034922
livetime	1369.2227726019
l2events	51202



## 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	2006-11-21T14:24:06
revision	3

sched_exp_time	1234.000000
ontime	1422.9563052803
l1events	83543

### 2.1.3 Events

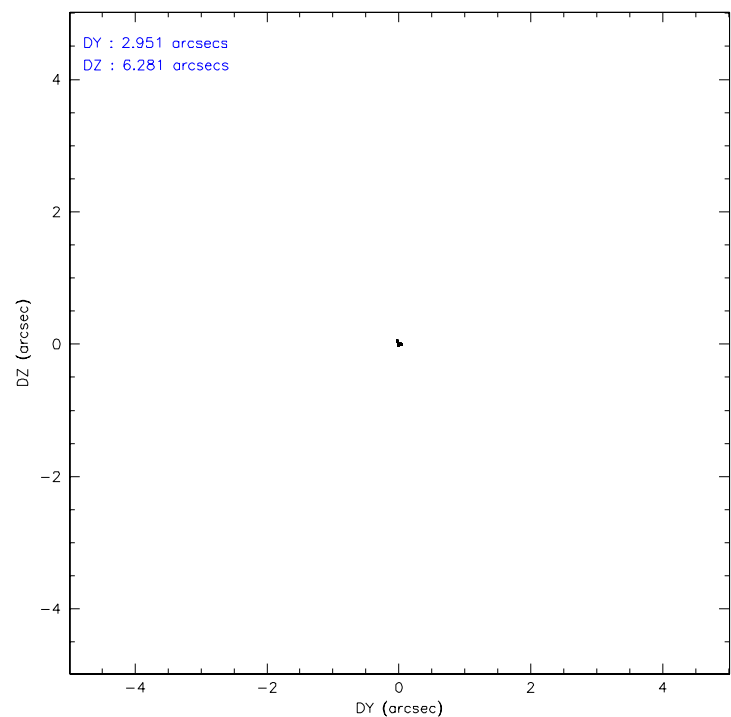
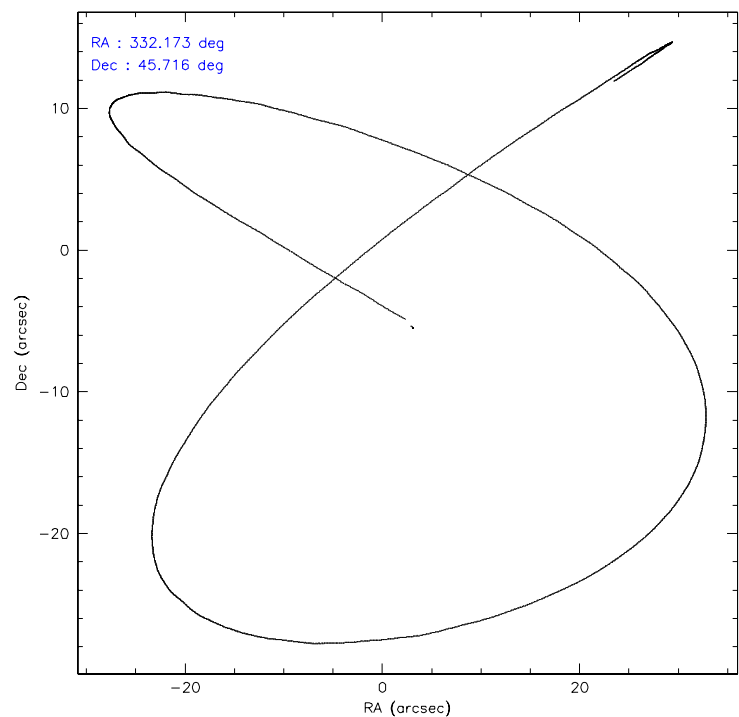
Level 1 Events

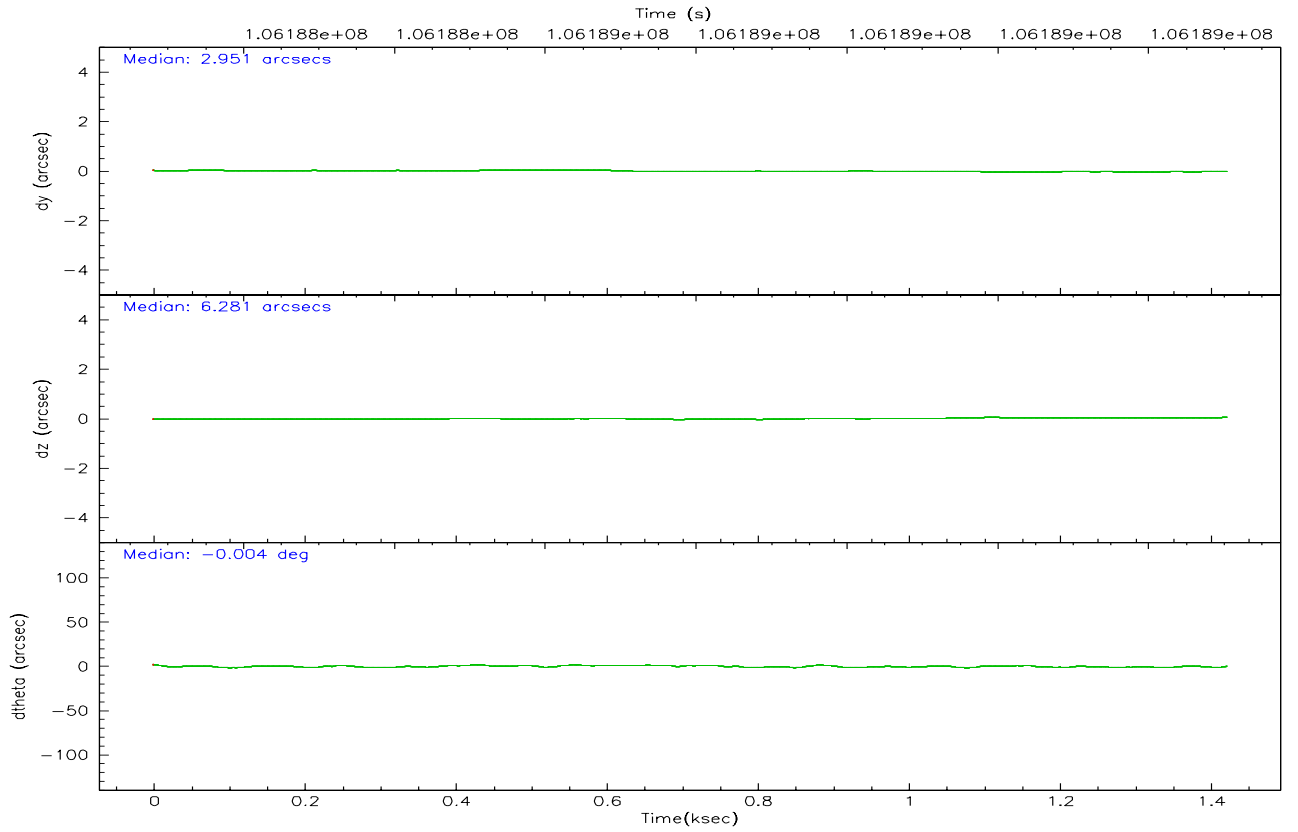
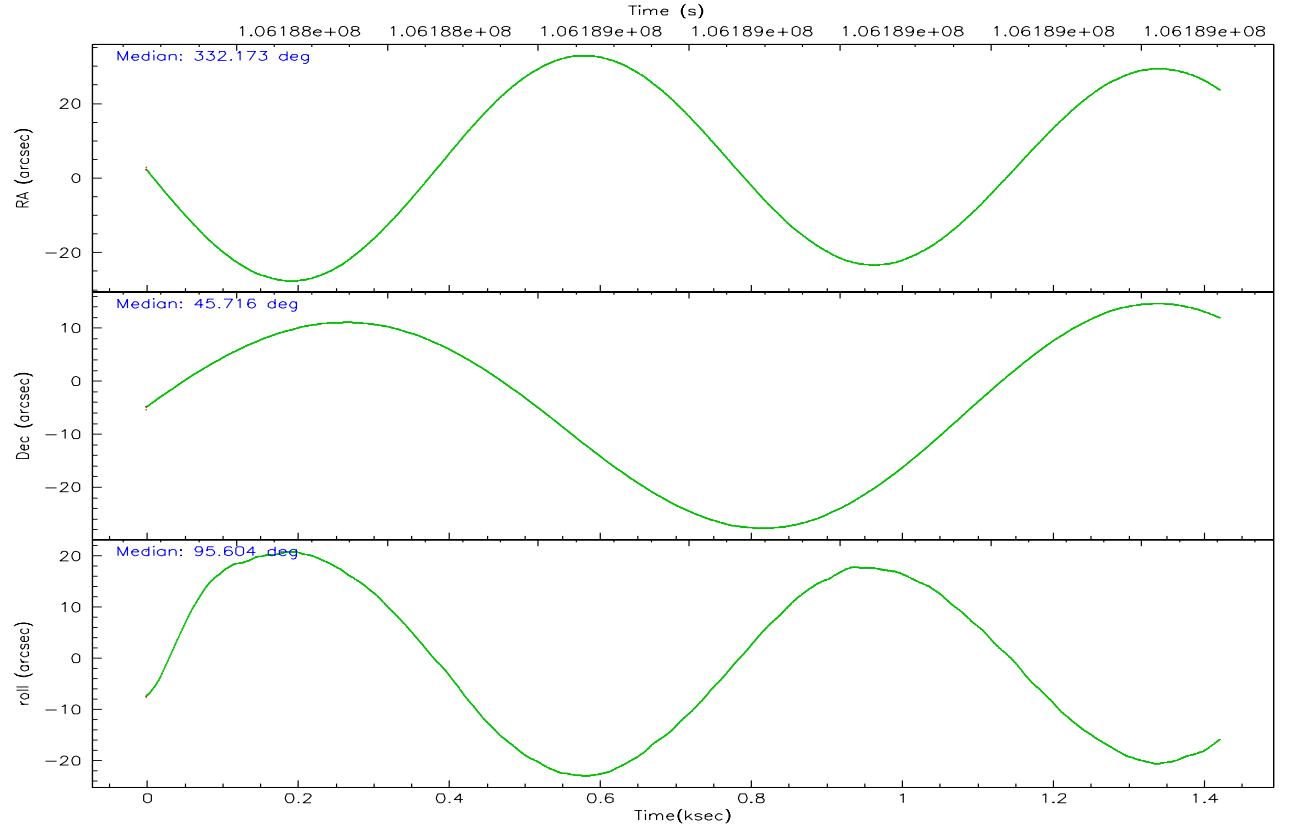
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1033	81449	1061
rejected events	1033	26985	1061
rejected %	100%	33%	100%

## 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	332.199606	332.1737657390051			
Pointing Dec	45.691386	45.71486688345659			
Pointing Roll	95.524476	95.61029072532206			
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	106188267.184000	106187890.68269			
Observation start date	2001-05-14T00:43:23	2001-05-14T00:38:10			
Observation end time	106189501.184000	106189634.72025			
Observation end date	2001-05-14T01:03:57	2001-05-14T01:07:14			

2.3 Aspect





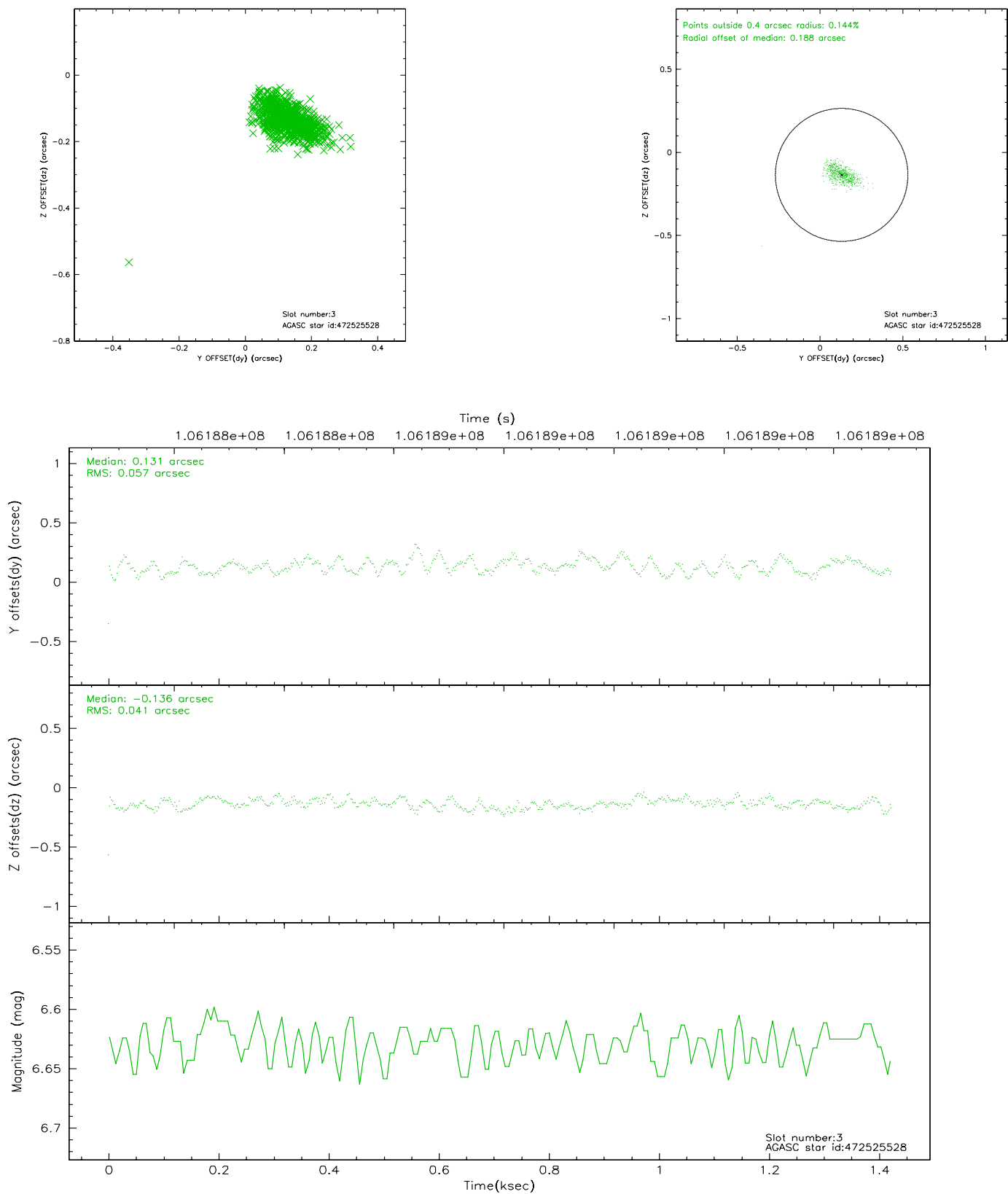
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	348	0.142	-0.105	0.005	0.007	0.000000	0.000000	-1156.98	-454.81
1	FID	HRC-S-2	6.98	348	0.118	-0.135	0.011	0.018	0.000000	0.000000	1239.35	-448.76
2	FID	HRC-S-4	6.93	348	0.142	-0.064	0.009	0.016	0.000000	0.000000	1244.82	576.06
3	GUIDE	472525528	6.63	695	0.131	-0.136	0.071	0.114	331.551102	45.248694	-1425.61	1787.37
4	GUIDE	472527720	7.01	695	0.180	-0.097	0.083	0.129	331.460205	45.112509	-1891.06	2070.75
5	GUIDE	472535576	7.85	695	-0.209	-0.048	0.052	0.085	331.438373	46.291802	2335.62	1677.96
6	GUIDE	472523760	8.24	695	0.063	0.039	0.055	0.091	331.645363	45.403260	-893.57	1495.01
7	GUIDE	472665256	9.00	694	-0.169	0.249	0.081	0.164	332.808125	46.195041	1659.23	-1683.11

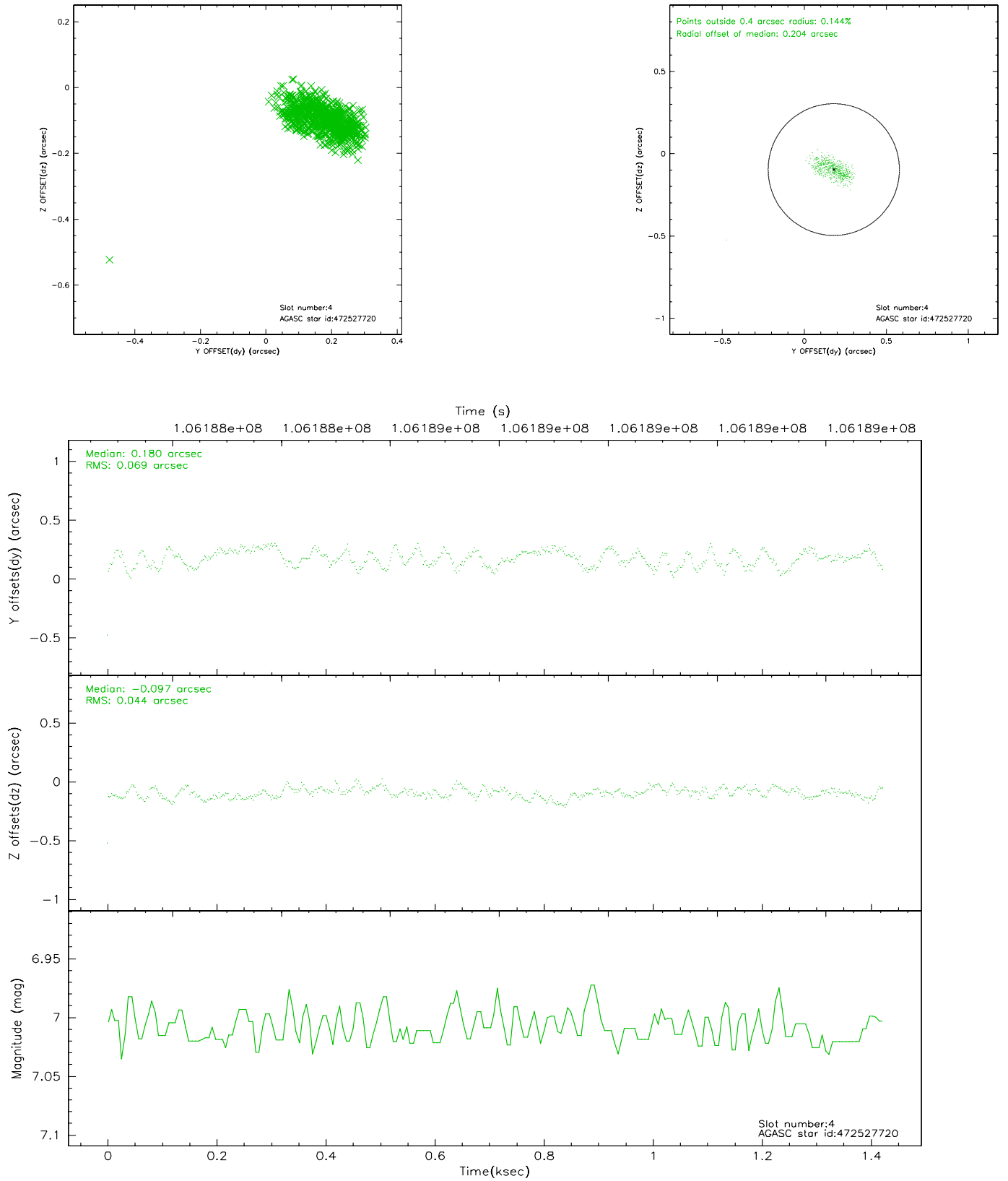


## 2.4 Star Slots

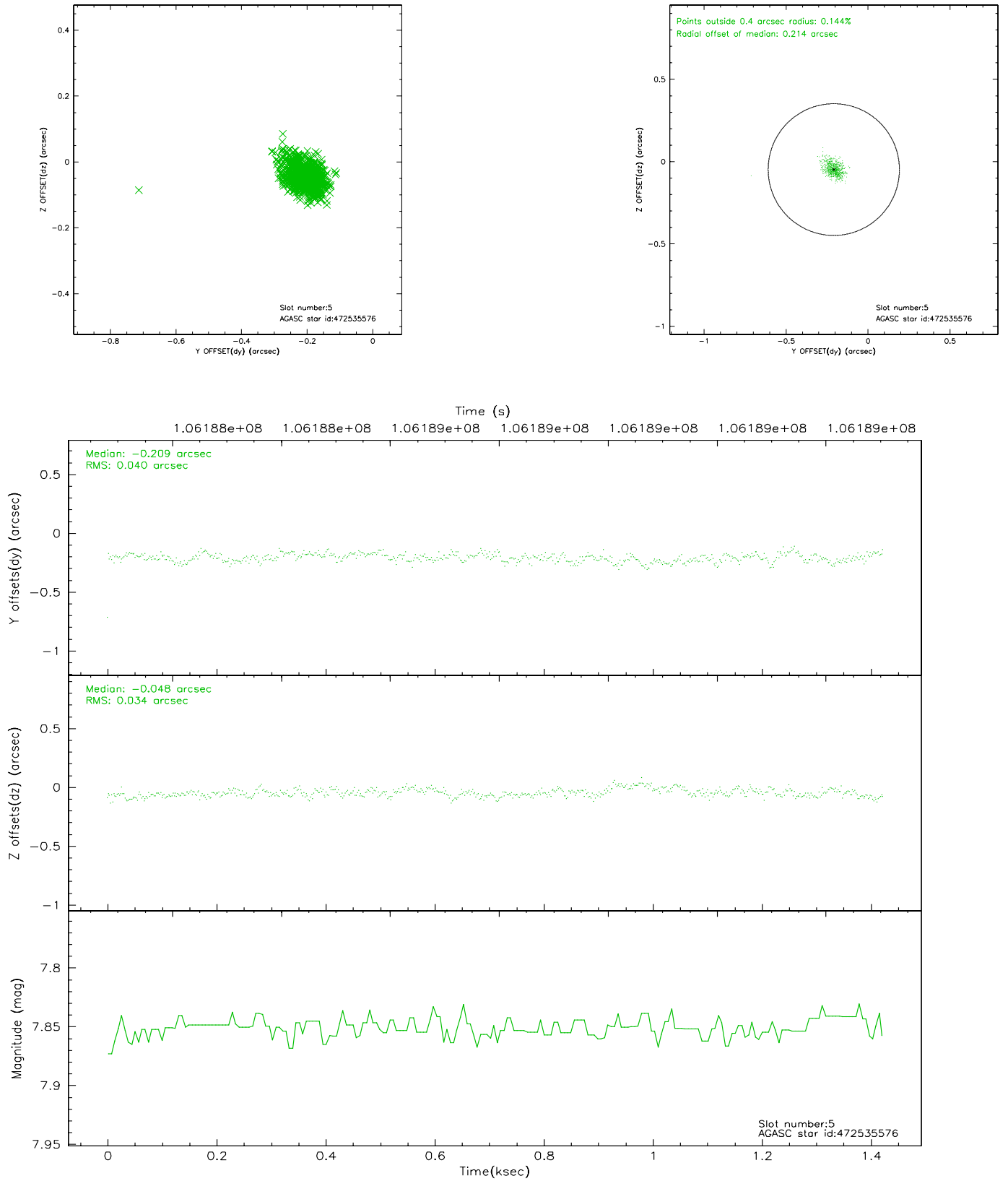
### 2.4.1 Slot 3



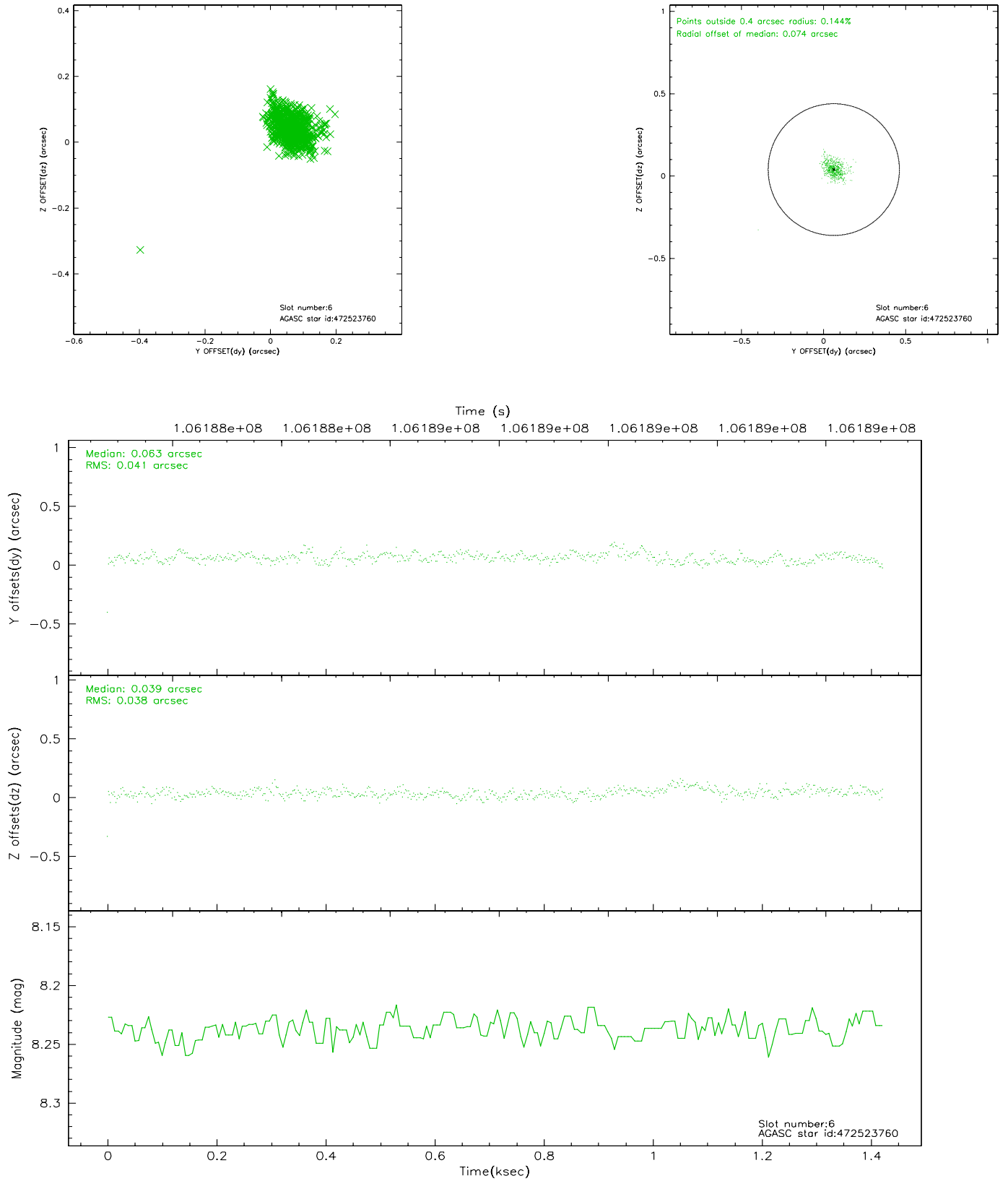
## 2.4.2 Slot 4



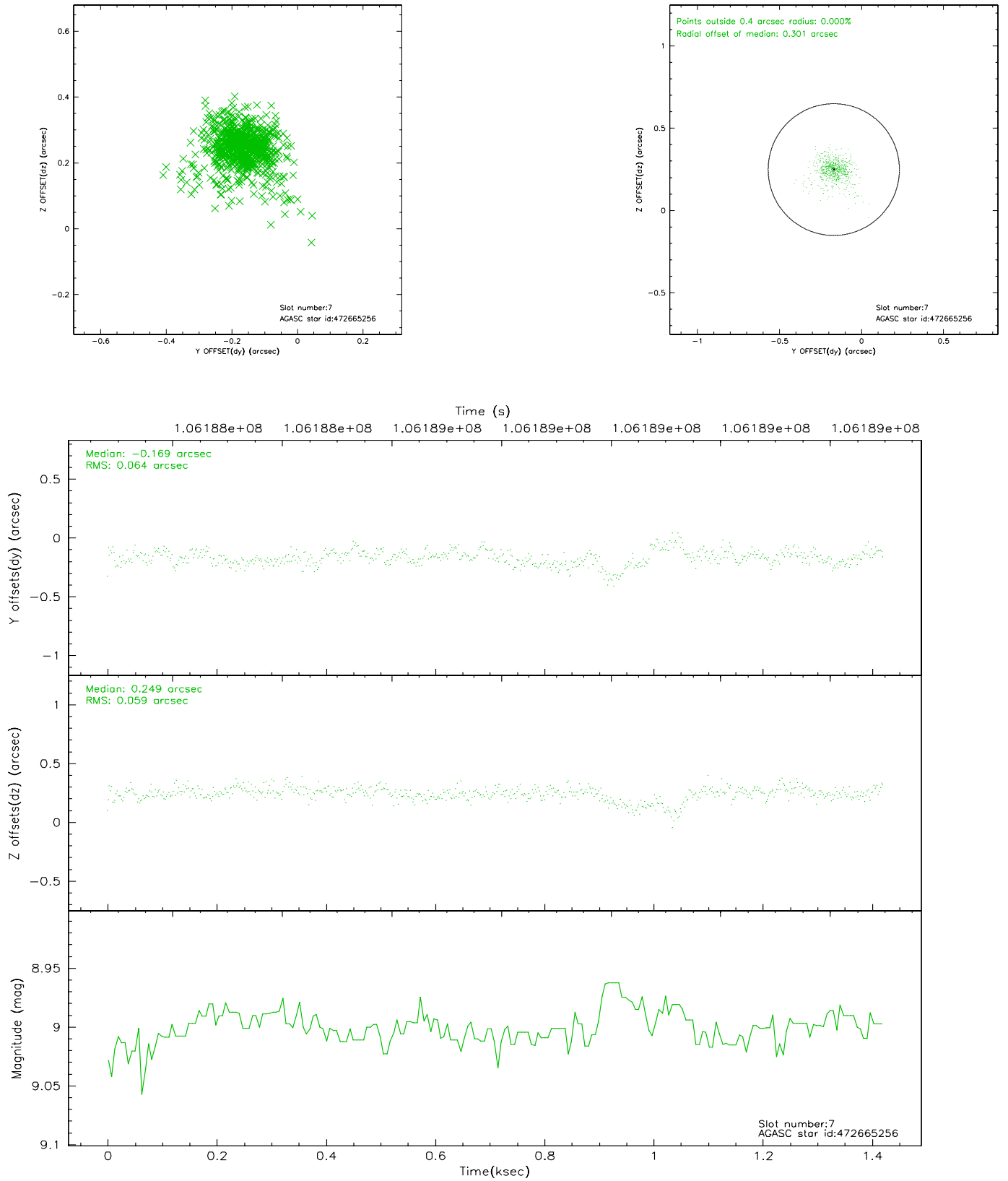
### 2.4.3 Slot 5



## 2.4.4 Slot 6

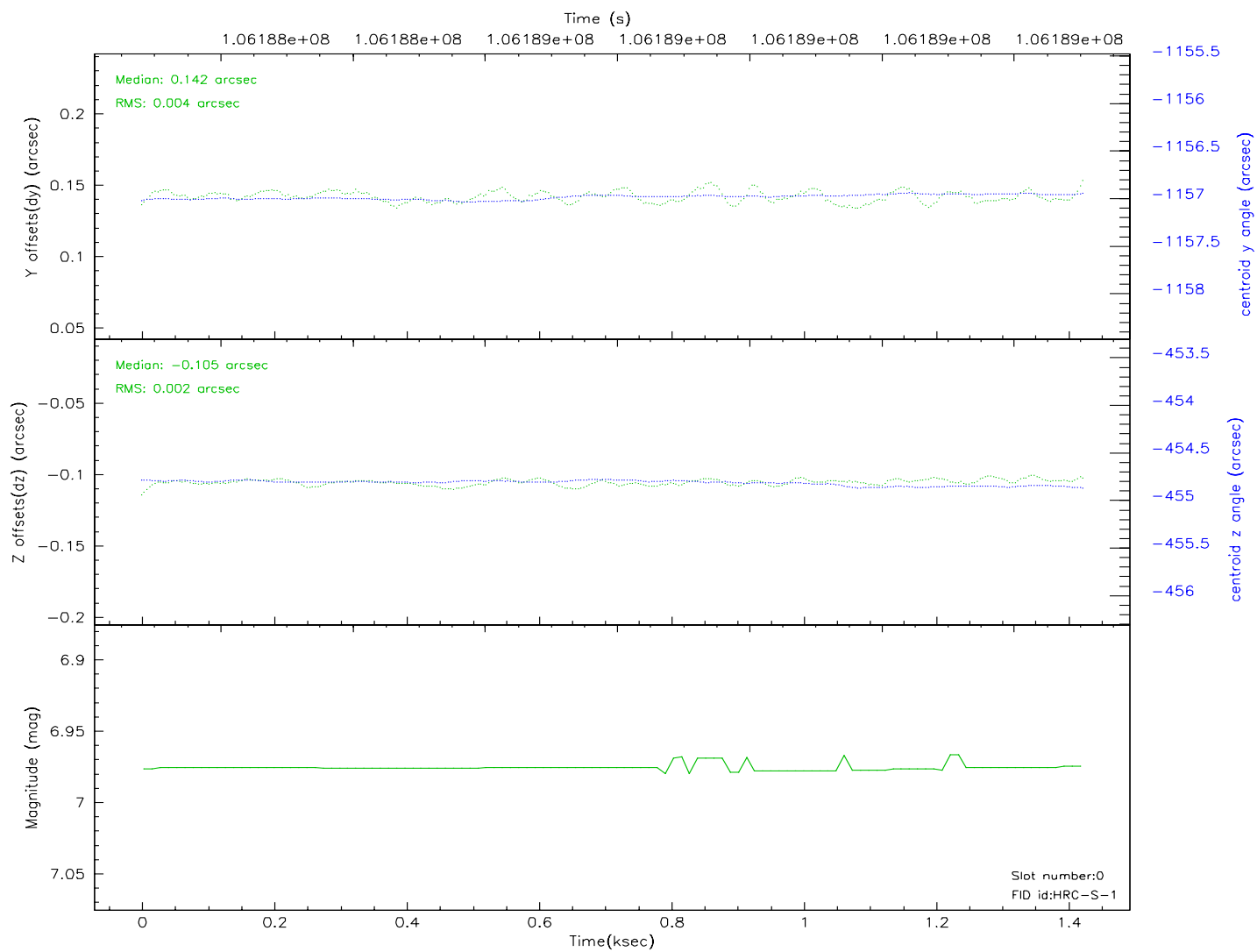
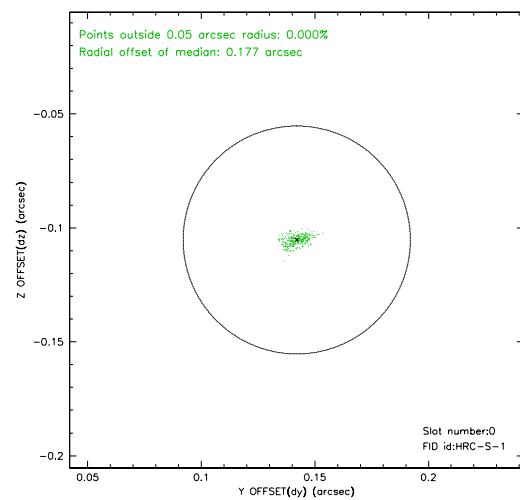
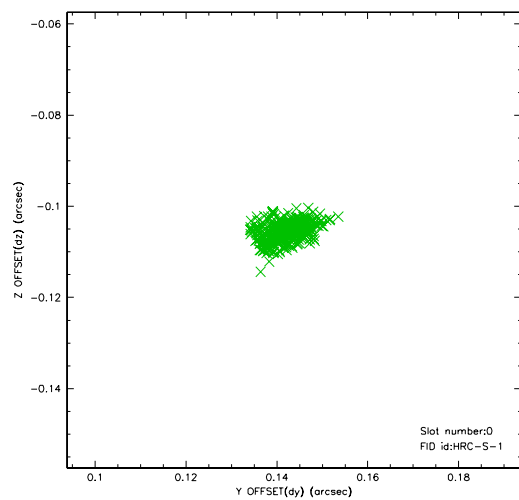


## 2.4.5 Slot 7

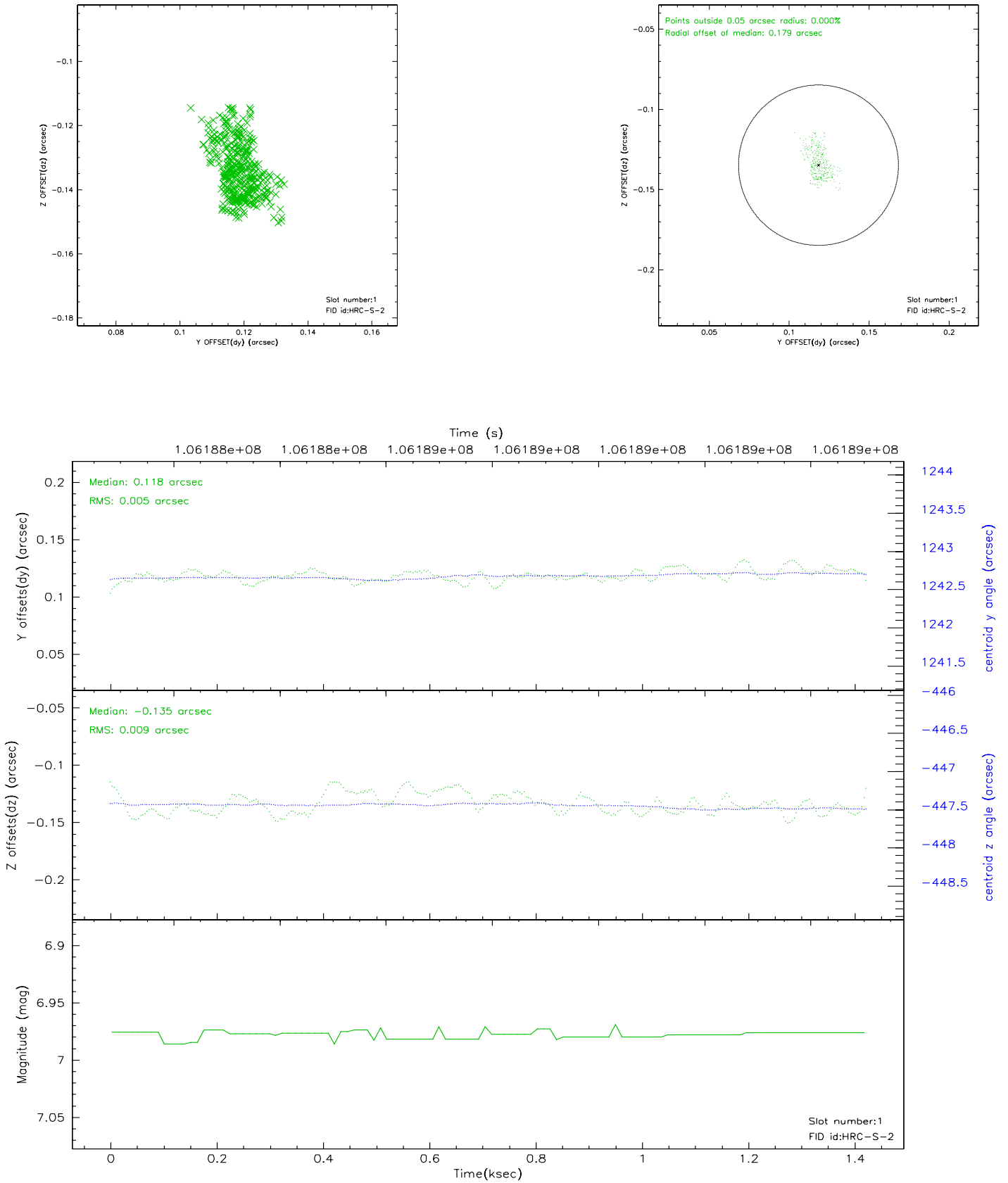


## 2.5 FID Slots

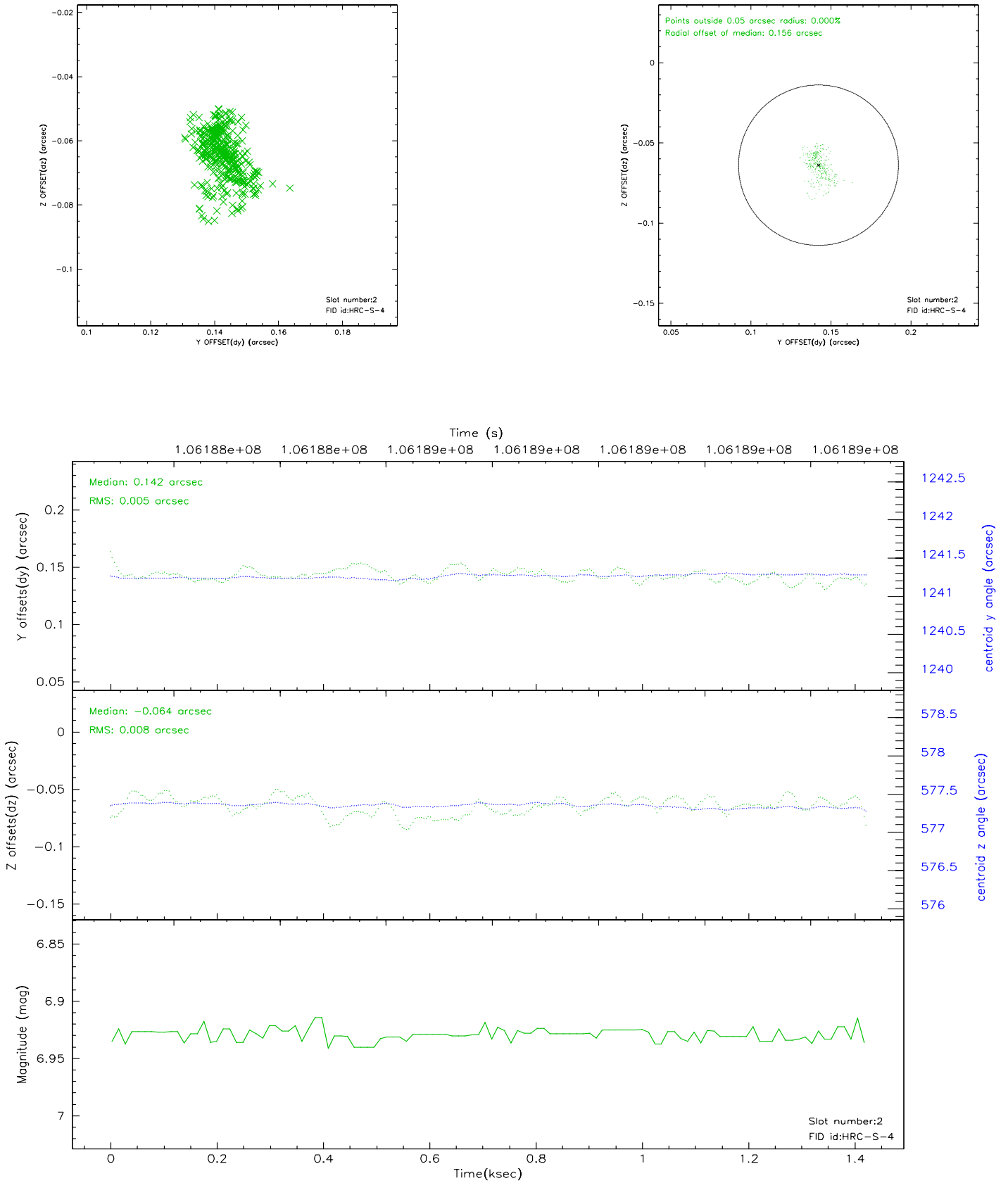
### 2.5.1 Slot 0



## 2.5.2 Slot 1

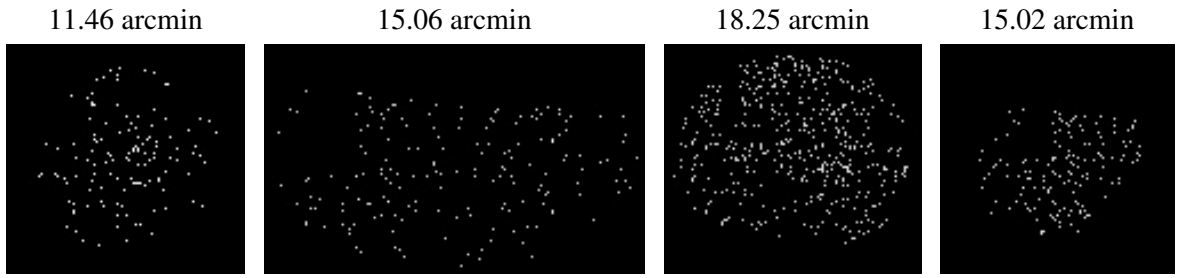


### 2.5.3 Slot 2





### 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	1.415

### A.2 Comments