

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3689 - L2 Version 001  
Chandra X-Ray Center

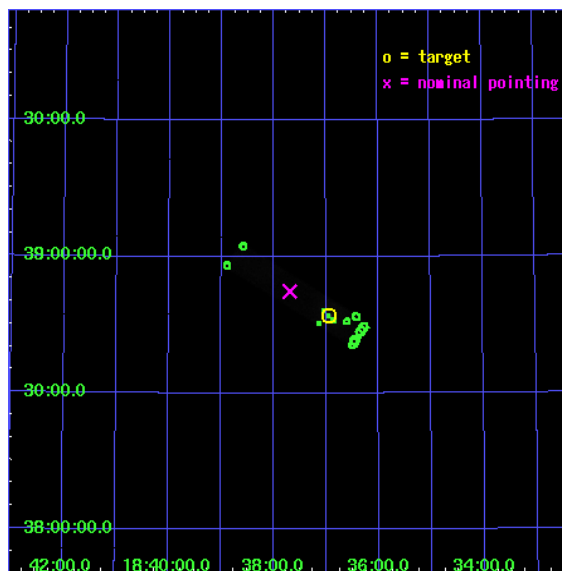
L2 Processing Date : Jul 19 2006

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# 1 Front

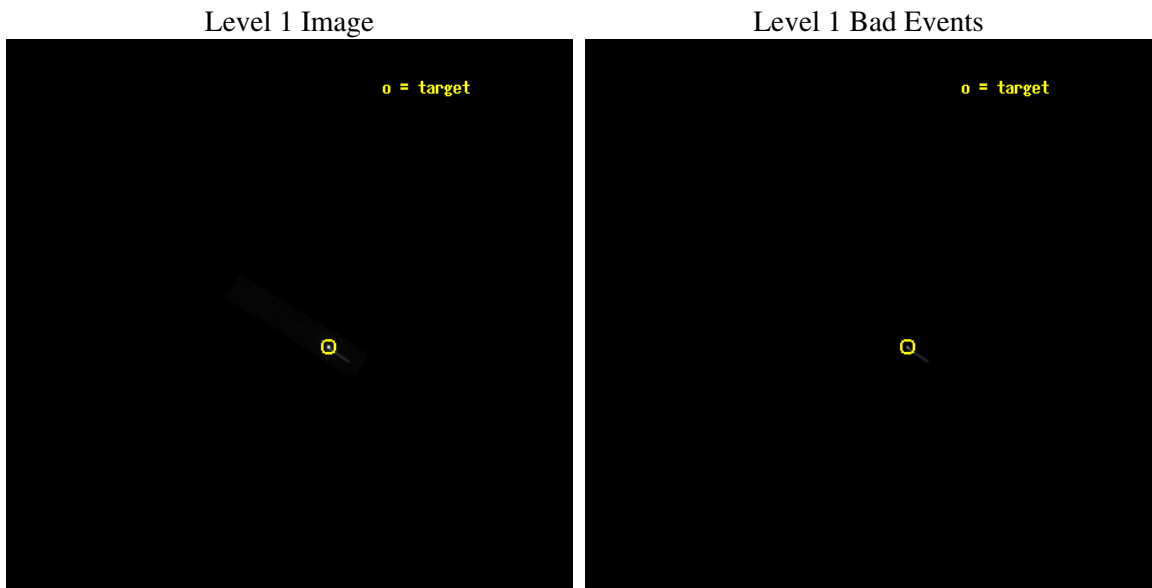
seq_num	290243
obs_id	3689
title	AO4 MEASUREMENTS OF THE OPTICAL/UV TRANSMISSION OF THE HRC AND ACIS FILTERS
observer	Dr. CXC Calibration
object	VEGA
ra_targ	279.235
dec_targ	38.783778
ra_nom	279.42213303659
dec_nom	38.873734007962
roll_nom	31.742410211053
revision	2
ontime	2141.4813397825
livetime	1824.676531324
l2events	376781



## 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	2006-07-19T12:55:11
revision	2

sched_exp_time	2000.000000
ontime	2189.4000917971
l1events	462019

### 2.1.3 Events

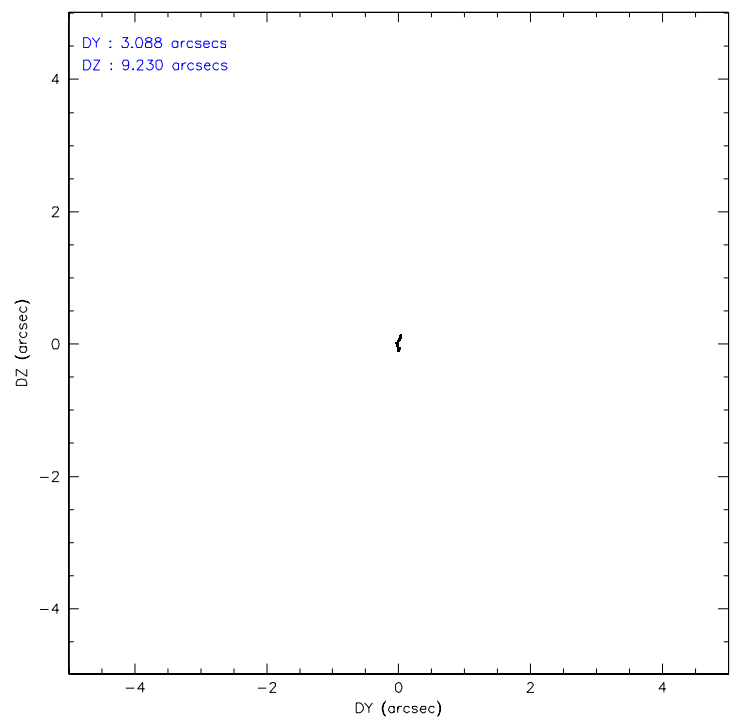
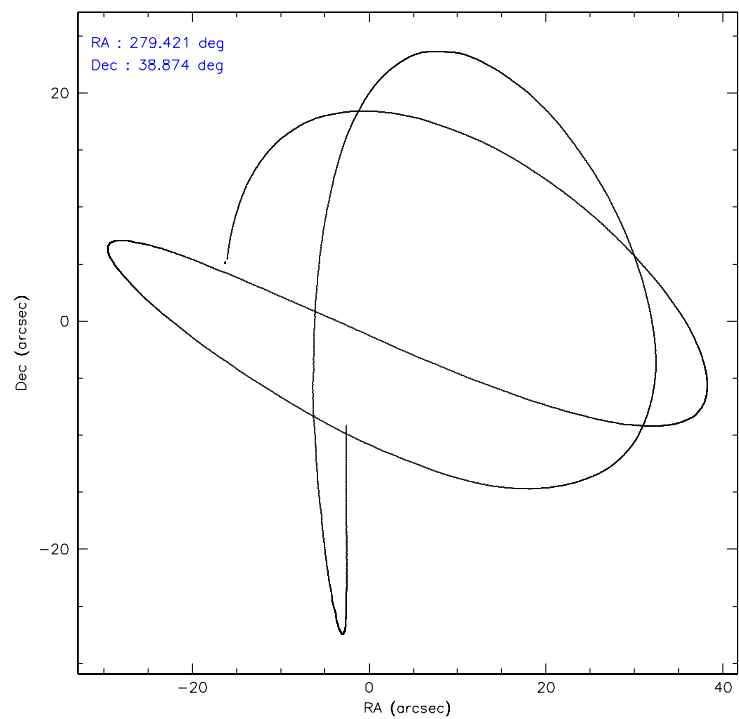
Level 1 Events

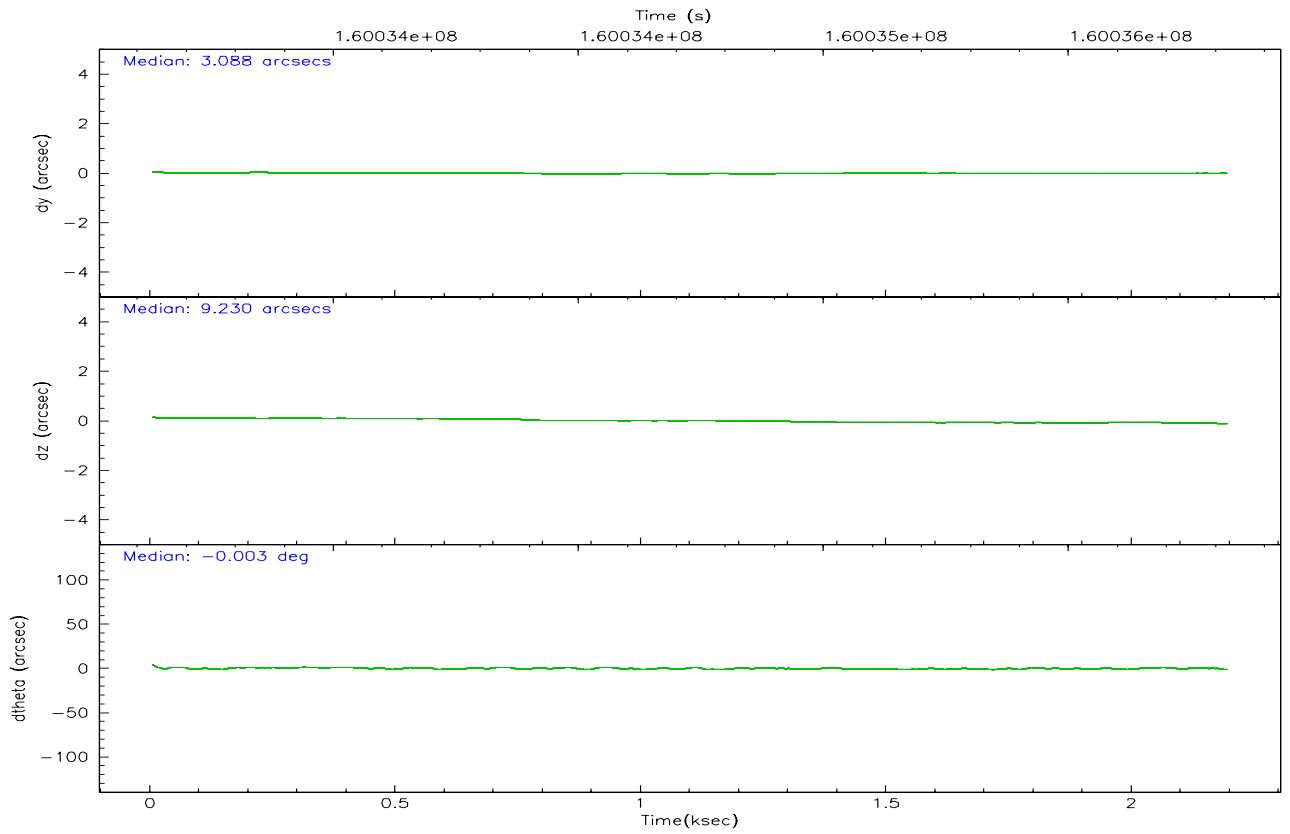
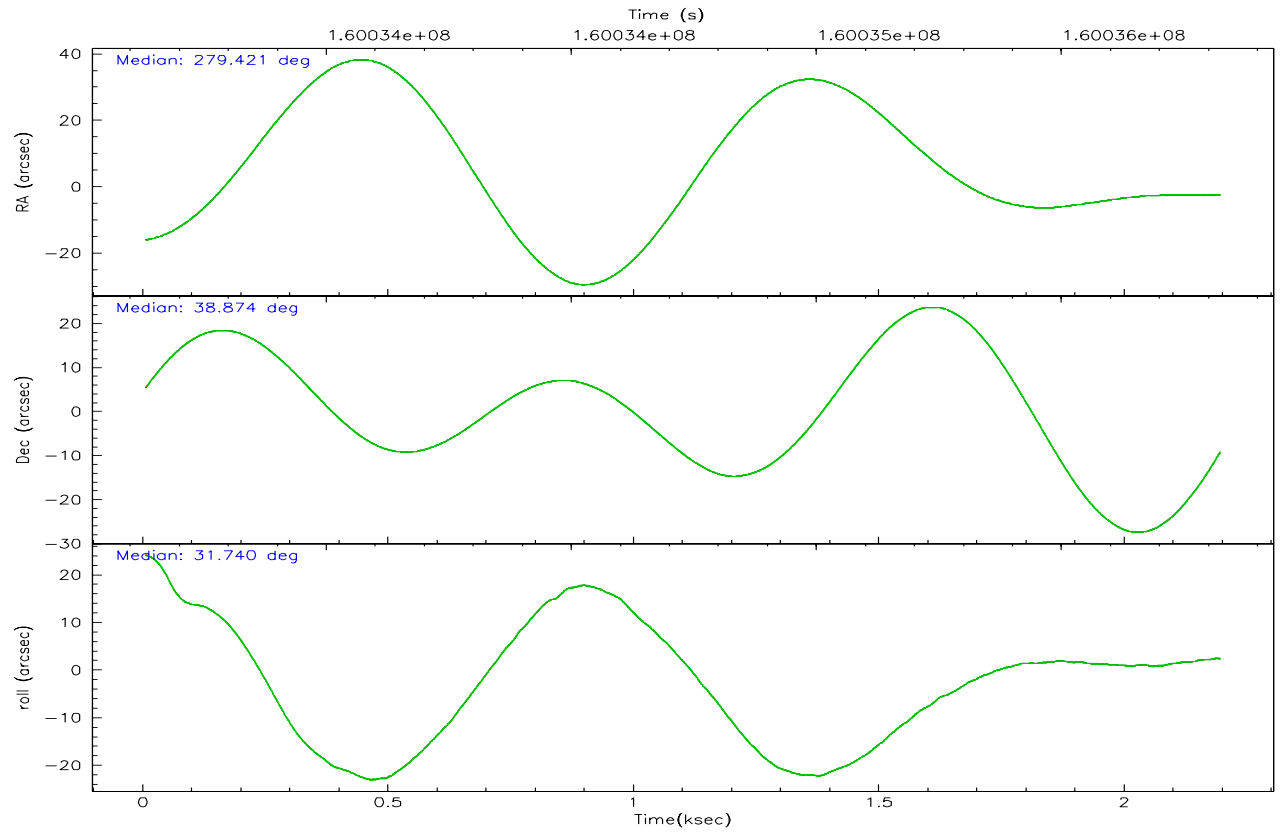
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1162	459795	1062
rejected events	1162	77837	1062
rejected %	100%	16%	100%

## 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	279.406390	279.4221330365916			
Pointing Dec	38.847964	38.87373400796155			
Pointing Roll	31.684966	31.74241021105329			
Window start time	159019264.184000	159019264.184000			
Window stop time	161697664.184000	161697664.184000			
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	160033829.184000	160033453.72464			
Observation start date	2003-01-27T05:49:25	2003-01-27T05:44:13			
Observation end time	160035829.184000	160035963.43725			
Observation end date	2003-01-27T06:22:45	2003-01-27T06:26:03			

## 2.3 Aspect





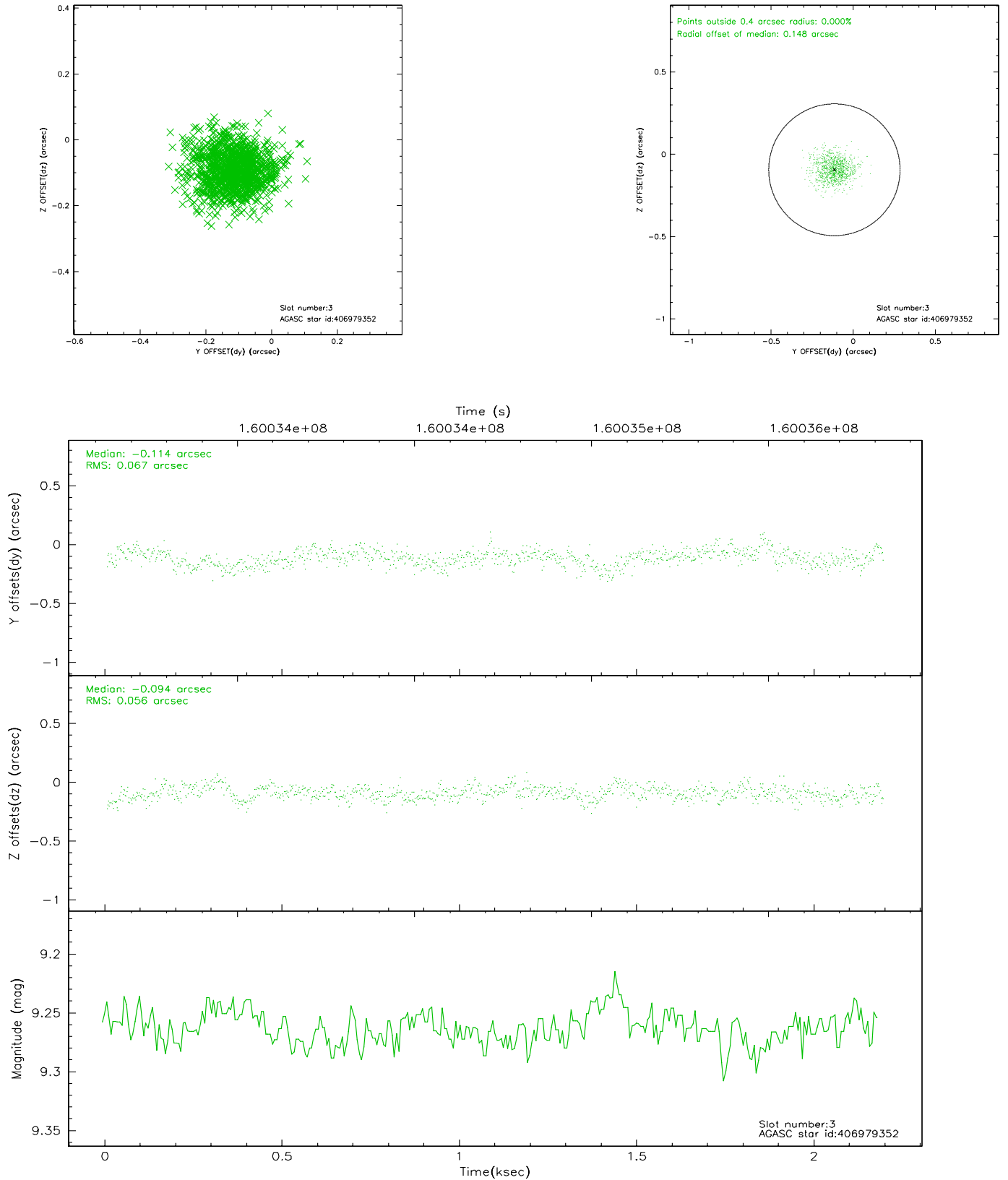
### Slot Statistics

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	535	0.162	-0.160	0.007	0.012	0.000000	0.000000	-1157.09	-457.88
1	FID	HRC-S-2	7.02	535	0.086	-0.095	0.004	0.007	0.000000	0.000000	1240.35	-451.31
2	FID	HRC-S-3	7.05	535	0.142	-0.047	0.007	0.012	0.000000	0.000000	-1157.52	570.92
3	GUIDE	406979352	9.26	1069	-0.114	-0.094	0.092	0.157	279.968297	39.230258	2058.74	352.14
4	GUIDE	406985120	7.43	1069	-0.030	-0.050	0.073	0.115	278.839732	38.894839	-1257.74	982.31
5	GUIDE	406989616	8.23	1069	0.091	0.019	0.066	0.111	279.202881	38.520843	-1106.78	-699.26
6	GUIDE	407521232	8.65	1065	-0.021	-0.007	0.067	0.107	279.628883	39.431715	1629.78	1463.79
7	GUIDE	406987320	9.69	1067	0.081	0.134	0.126	0.192	279.420366	38.109597	-1360.56	-2280.96

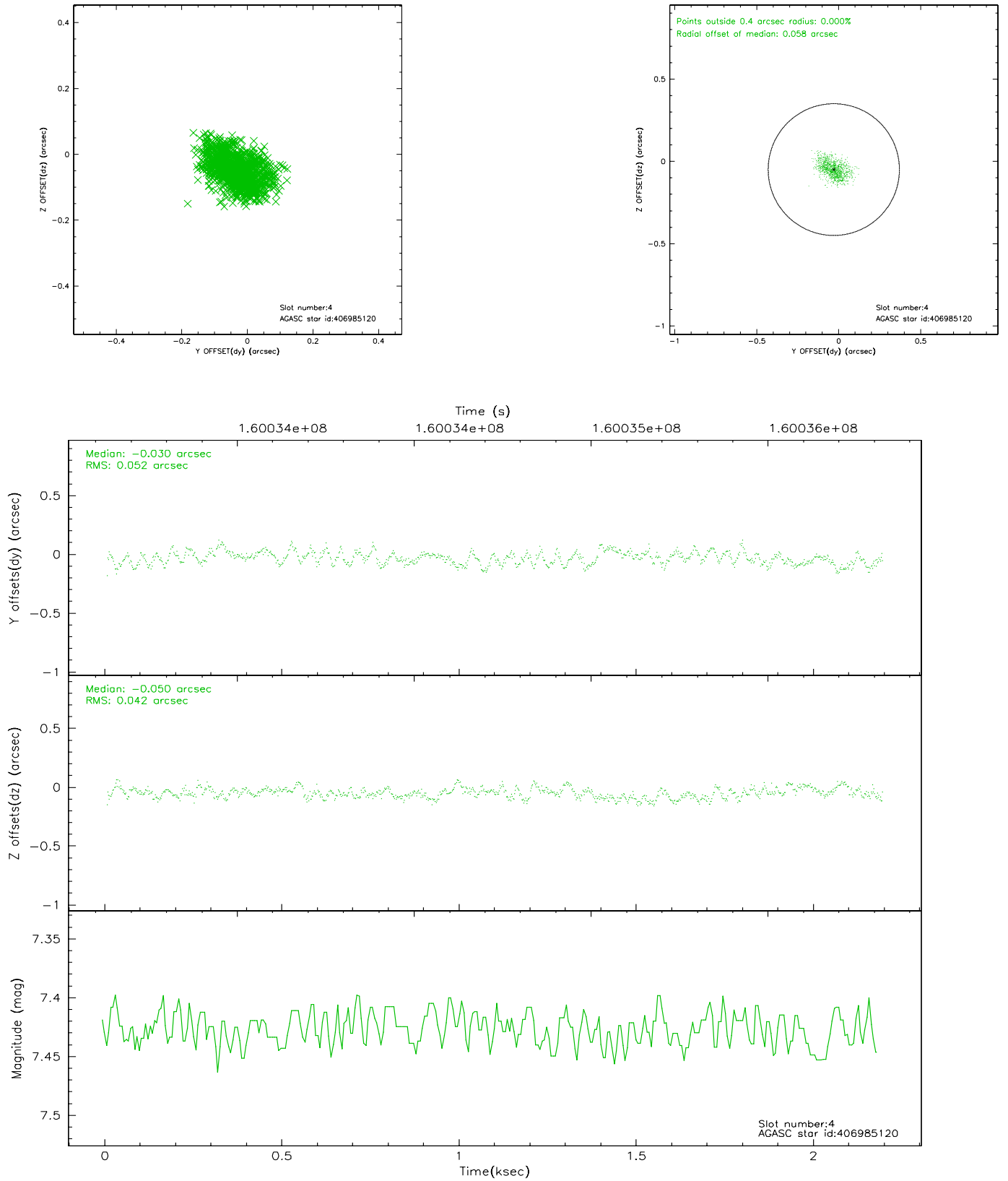


## 2.4 Star Slots

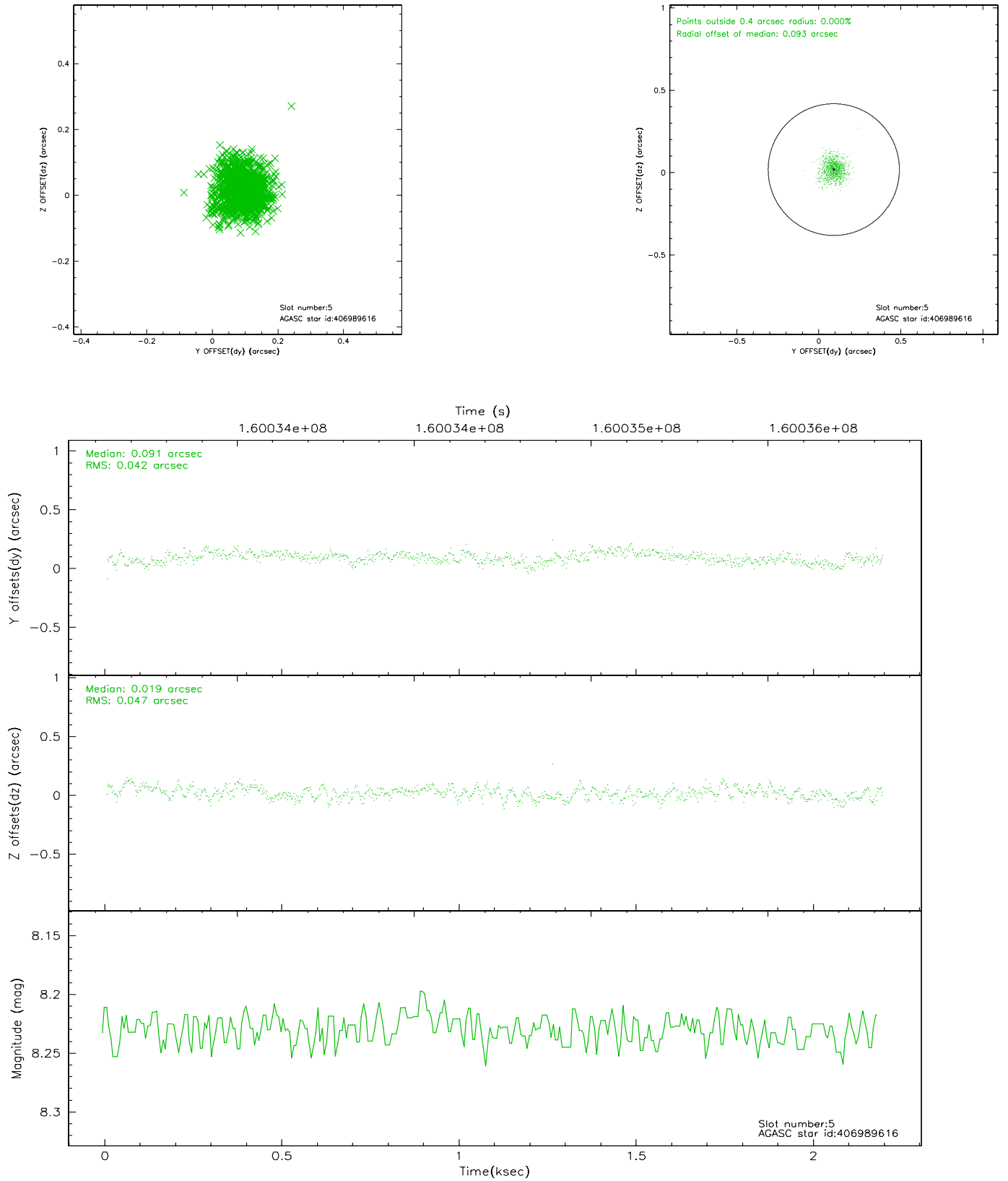
### 2.4.1 Slot 3



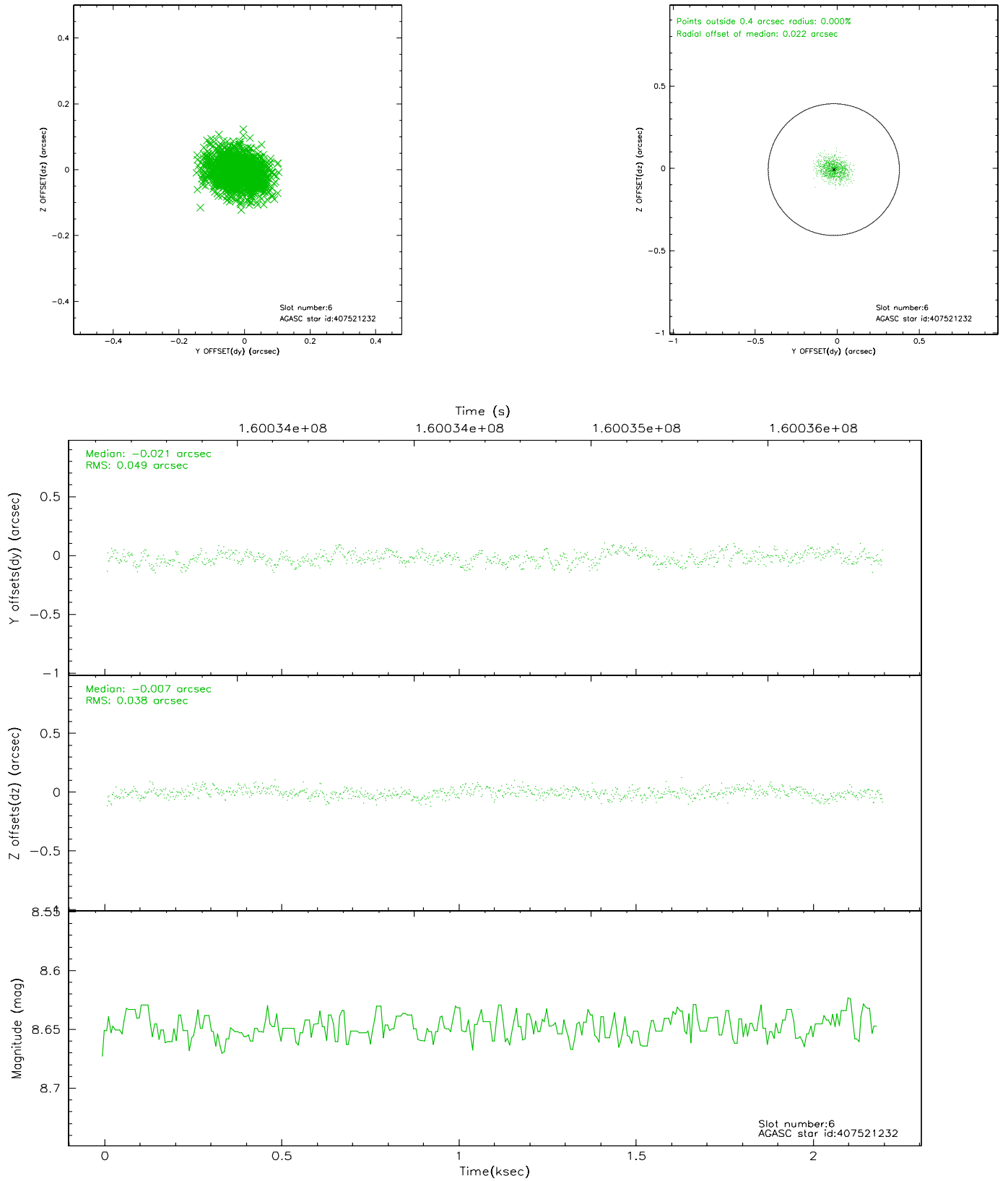
## 2.4.2 Slot 4



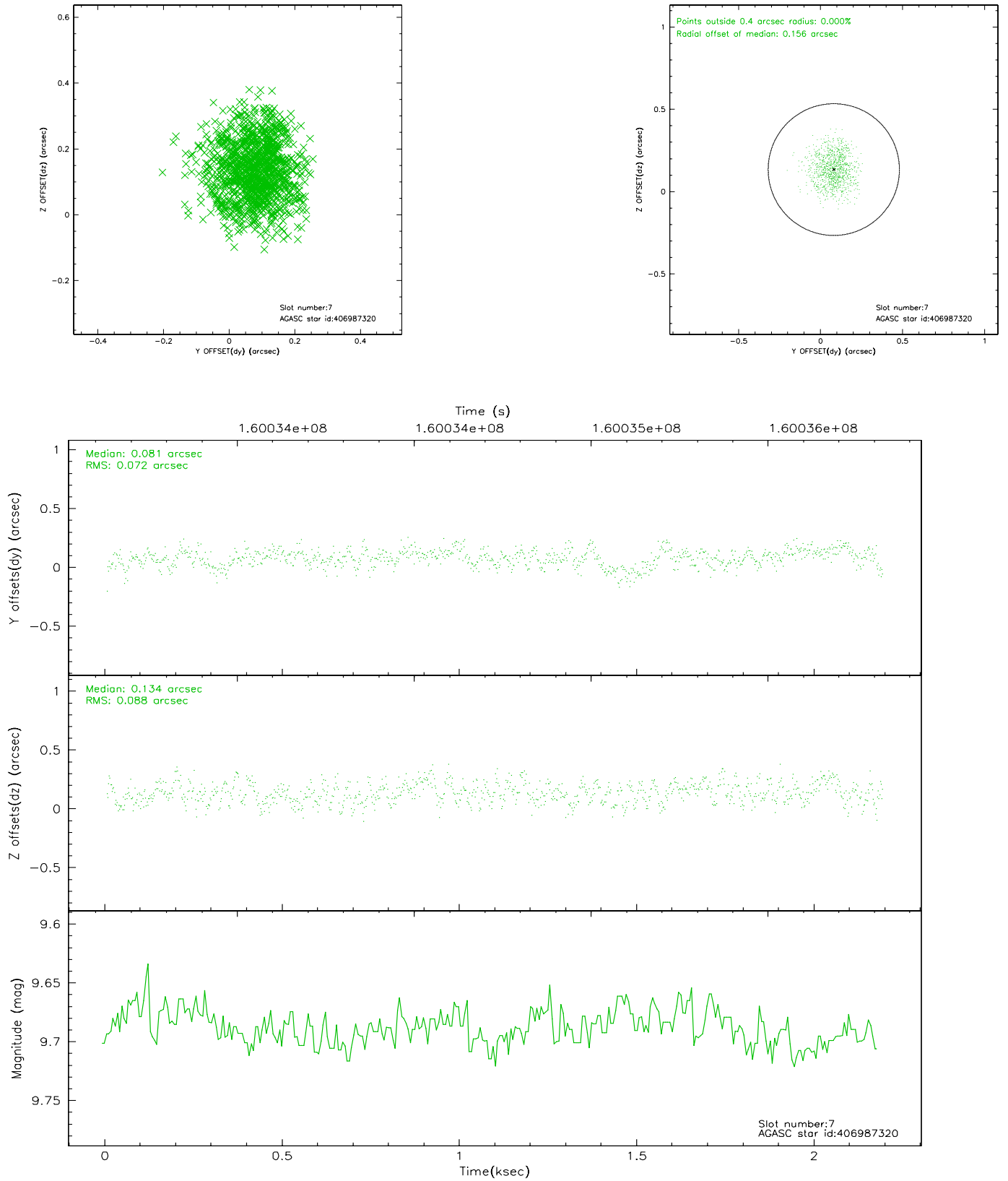
### 2.4.3 Slot 5



## 2.4.4 Slot 6

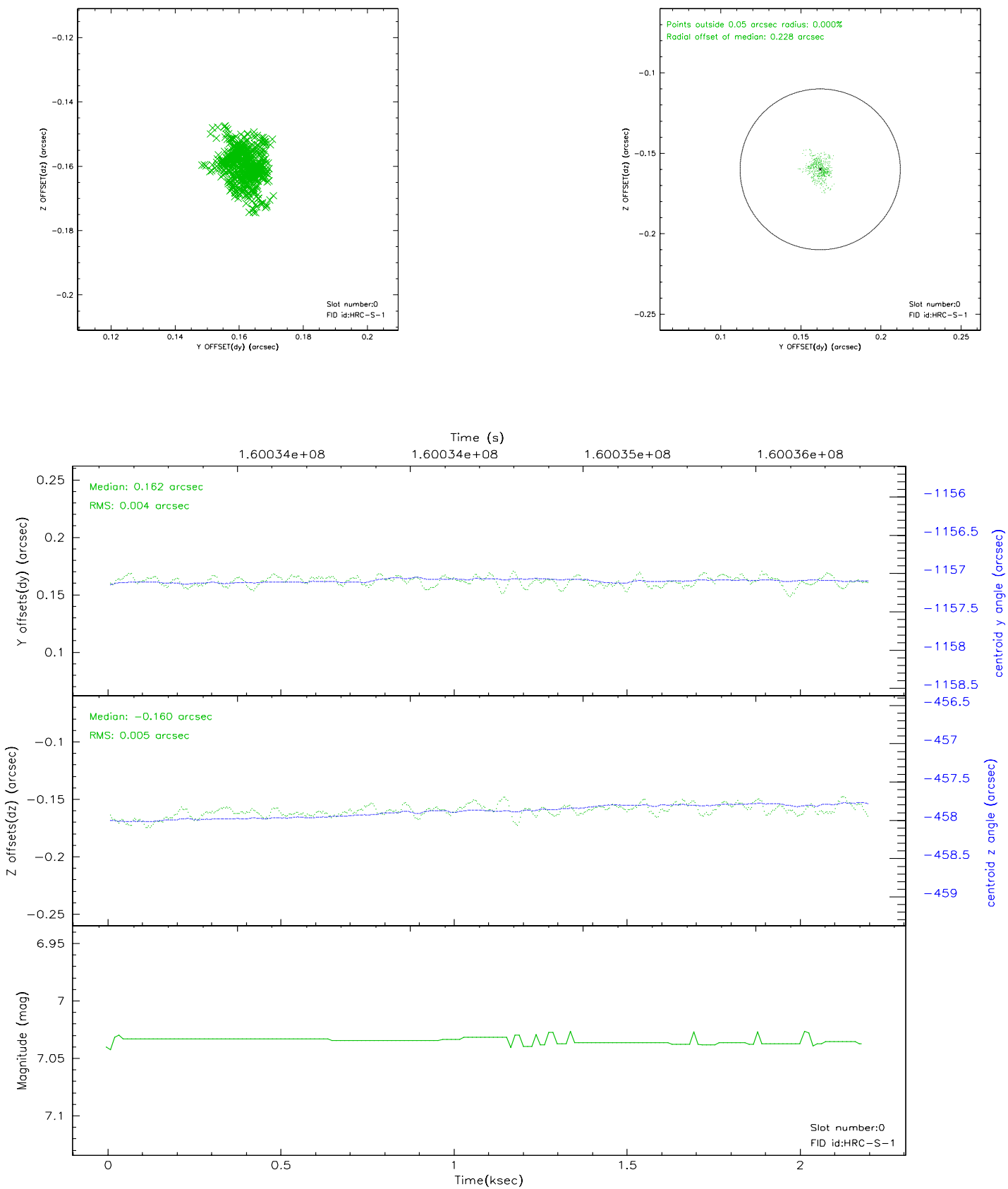


## 2.4.5 Slot 7

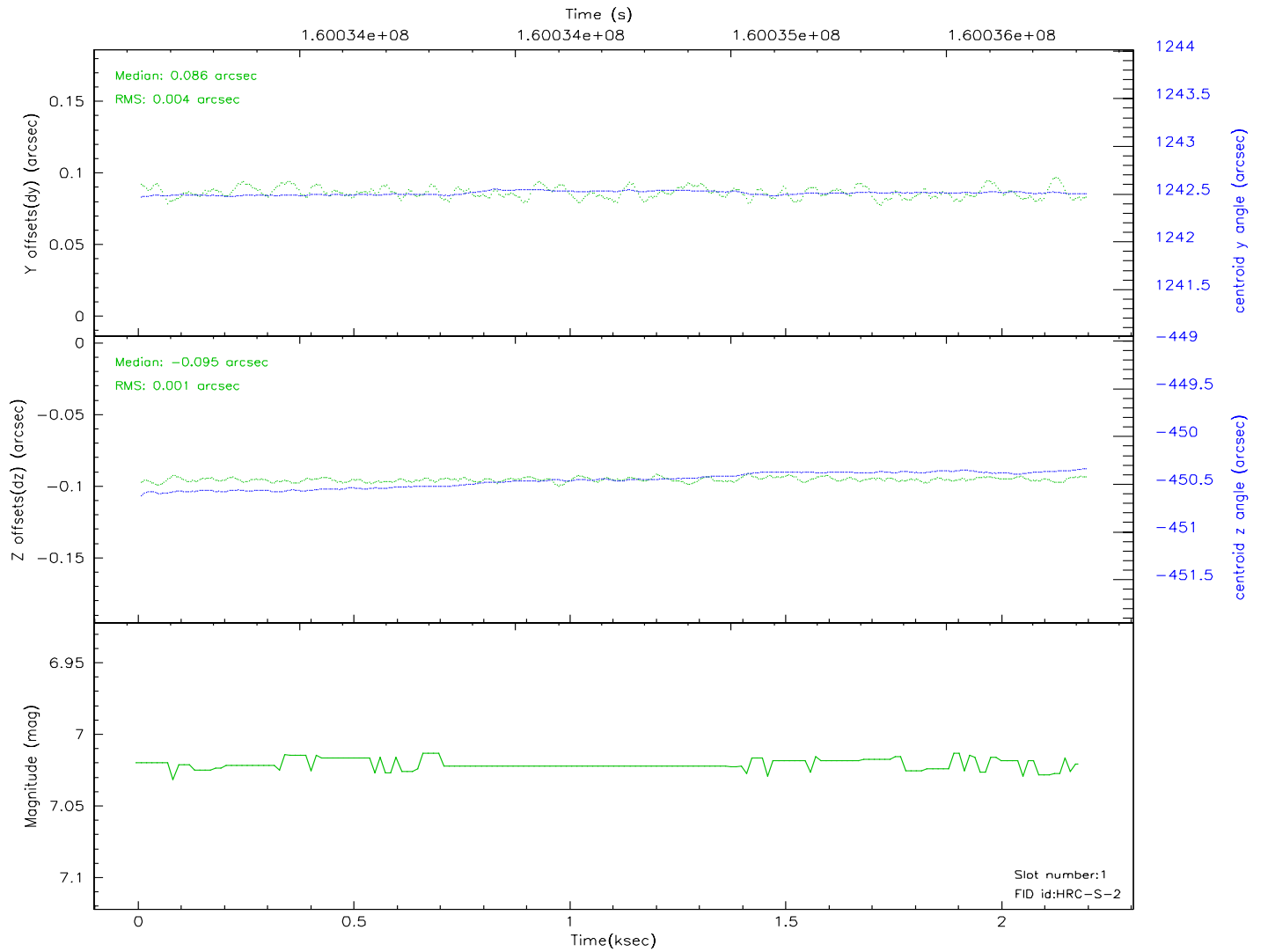
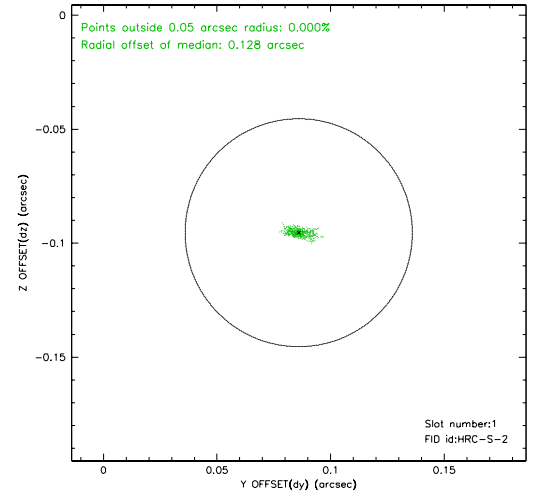
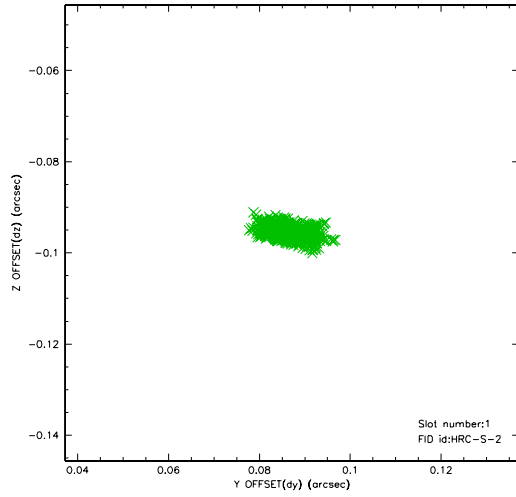


## 2.5 FID Slots

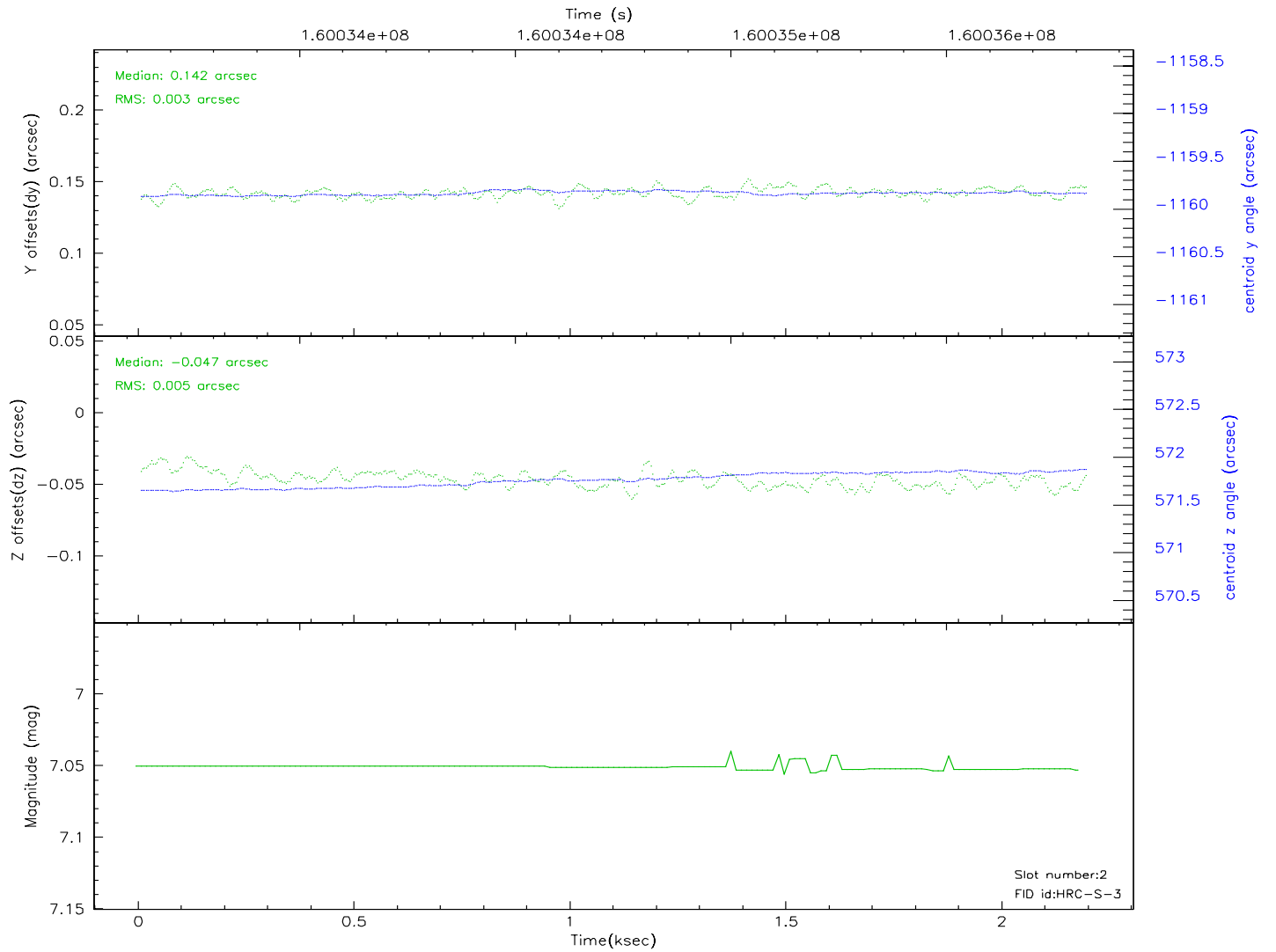
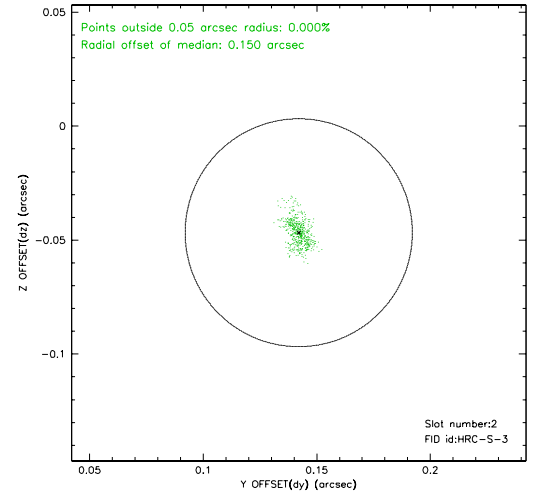
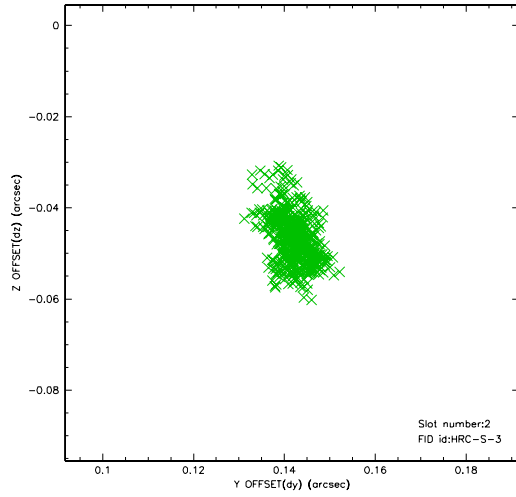
### 2.5.1 Slot 0



## 2.5.2 Slot 1

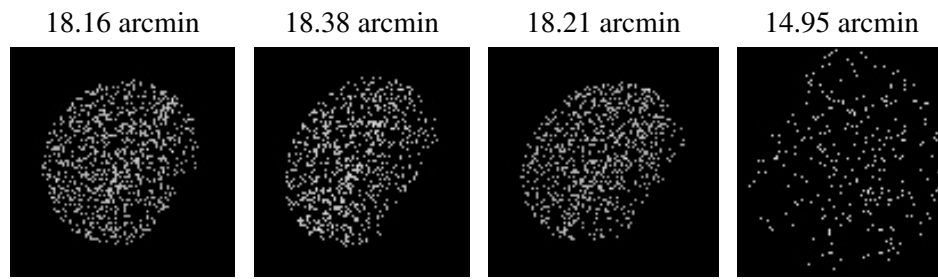


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.141

## A.2 Comments

Window constraint met.

The source is off-axis and therefore extended.