

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 991 - L2 Version 001  
Chandra X-Ray Center

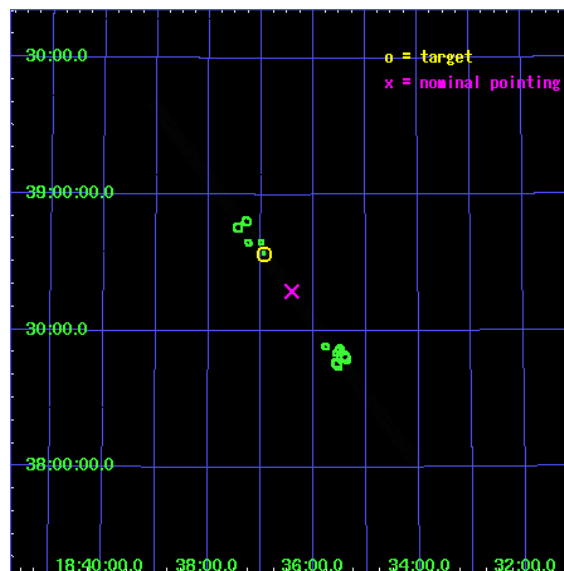
L2 Processing Date : Dec 21 2006

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# 1 Front

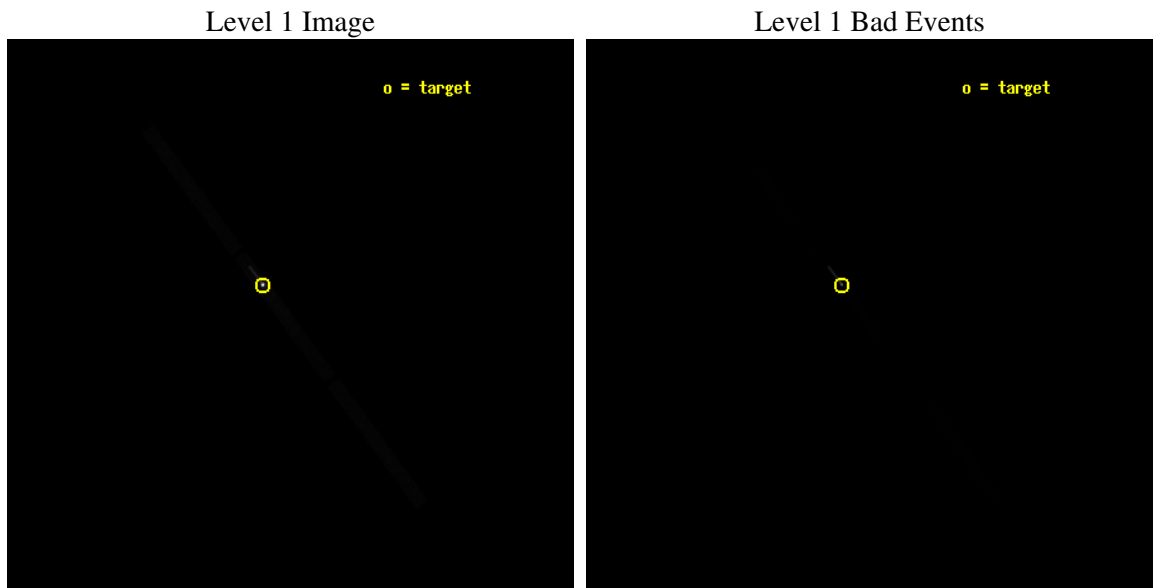
seq_num	290072
obs_id	991
title	CALIBRATION OBSERVATIONS OF VEGA TO MONITOR THE TRANSMISSION OF THE OPTICAL/UV FILTERS ON ACIS AND HRC
observer	Dr. CXC Calibration
object	VEGA, HRC-S, AO2
ra_targ	279.234792
dec_targ	38.783778
ra_nom	279.1026742756
dec_nom	38.646191030705
roll_nom	233.37859140279
revision	2
ontime	2694.9813562781
livetime	2033.0856969254
l2events	444089



## 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	2006-12-21T15:55:38
revision	2

sched_exp_time	2500.000000
ontime	2695.7501063049
l1events	554425

### 2.1.3 Events

Level 1 Events

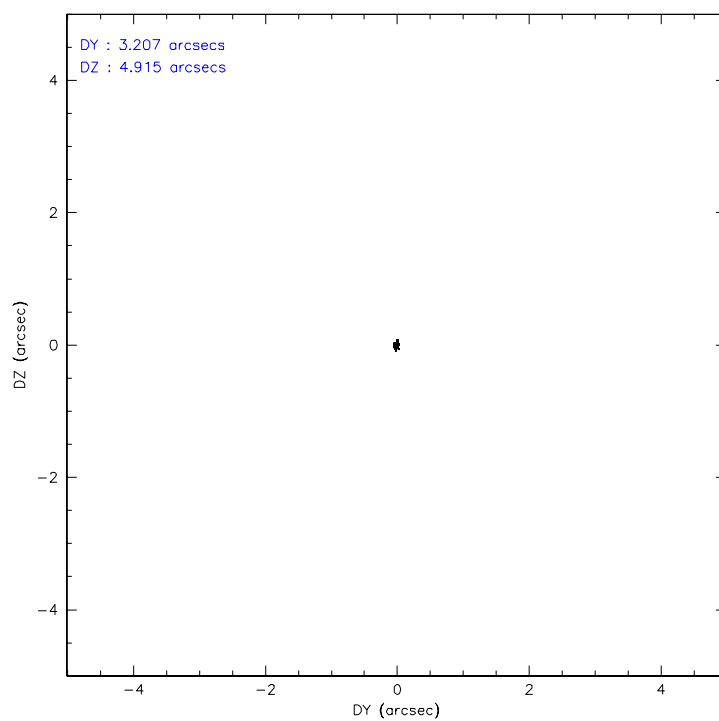
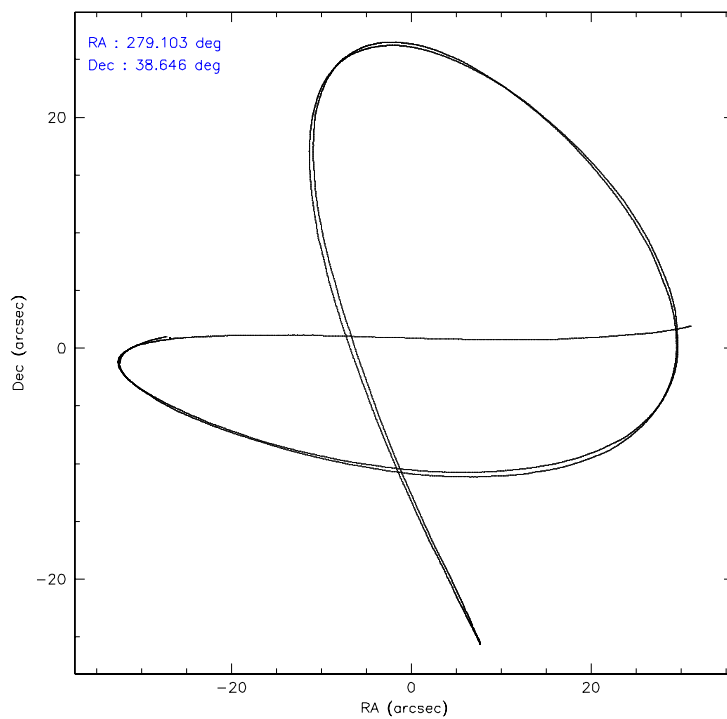
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	55023	445036	54366
rejected events	16131	57408	18529
rejected %	29%	12%	34%

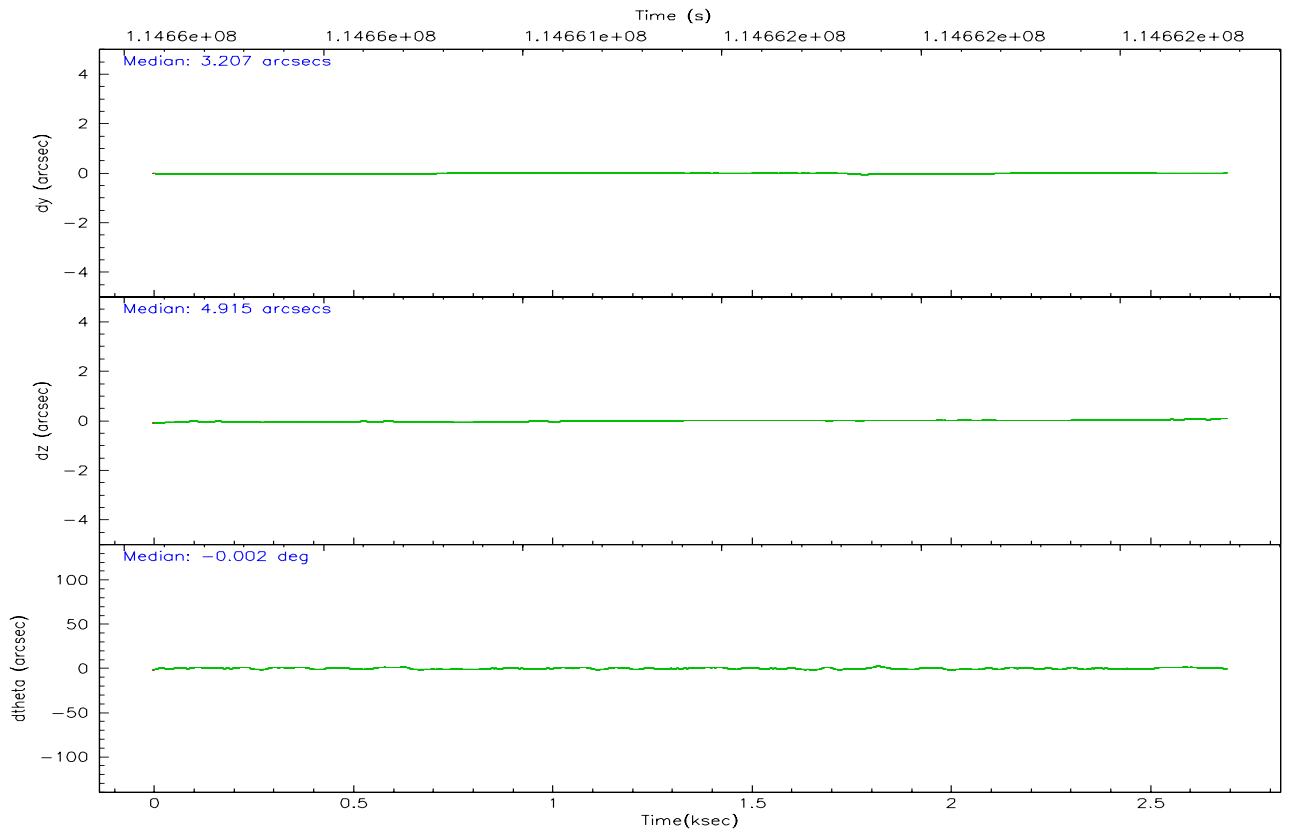
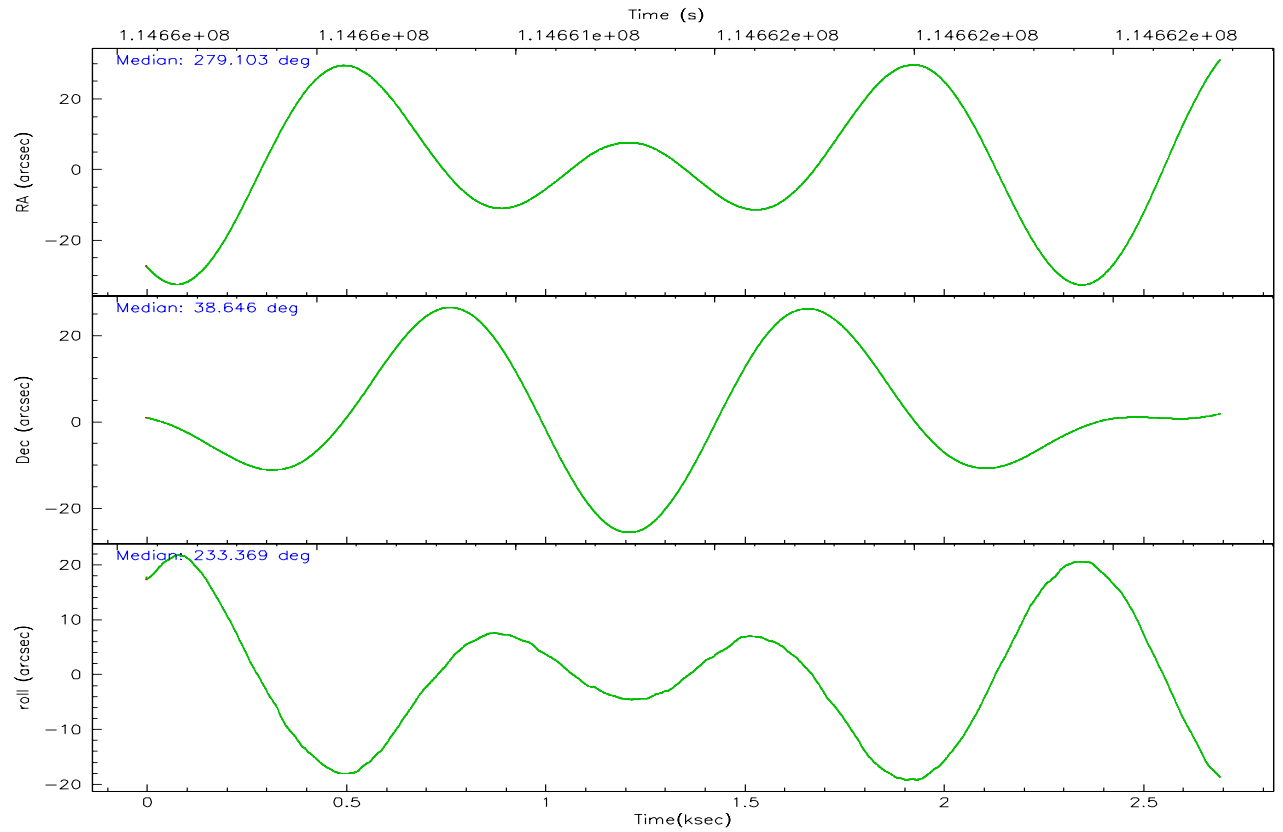
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	279.105746	279.1026742755972
Pointing Dec	38.675066	38.64619103070525
Pointing Roll	233.309325	233.3785914027853
Window start time	113011264.184000	113011264.184000
Window stop time	115516864.184000	115516864.184000
SIM focus pos (mm)	-1.529586	-1.523540733526241
SIM defocus (mm)	0.003750771043328743	0.009795905878055677
SIM translation stage pos (mm)	250.455976	250.466033080201
SIM translation stage offset (mm)	0	-0.01005468664627074
Observation start time	114660265.184000	114659889.62649
Observation start date	2001-08-20T02:03:21	2001-08-20T01:58:09
Observation end time	114662765.184000	114662899.02661
Observation end date	2001-08-20T02:45:01	2001-08-20T02:48:19

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





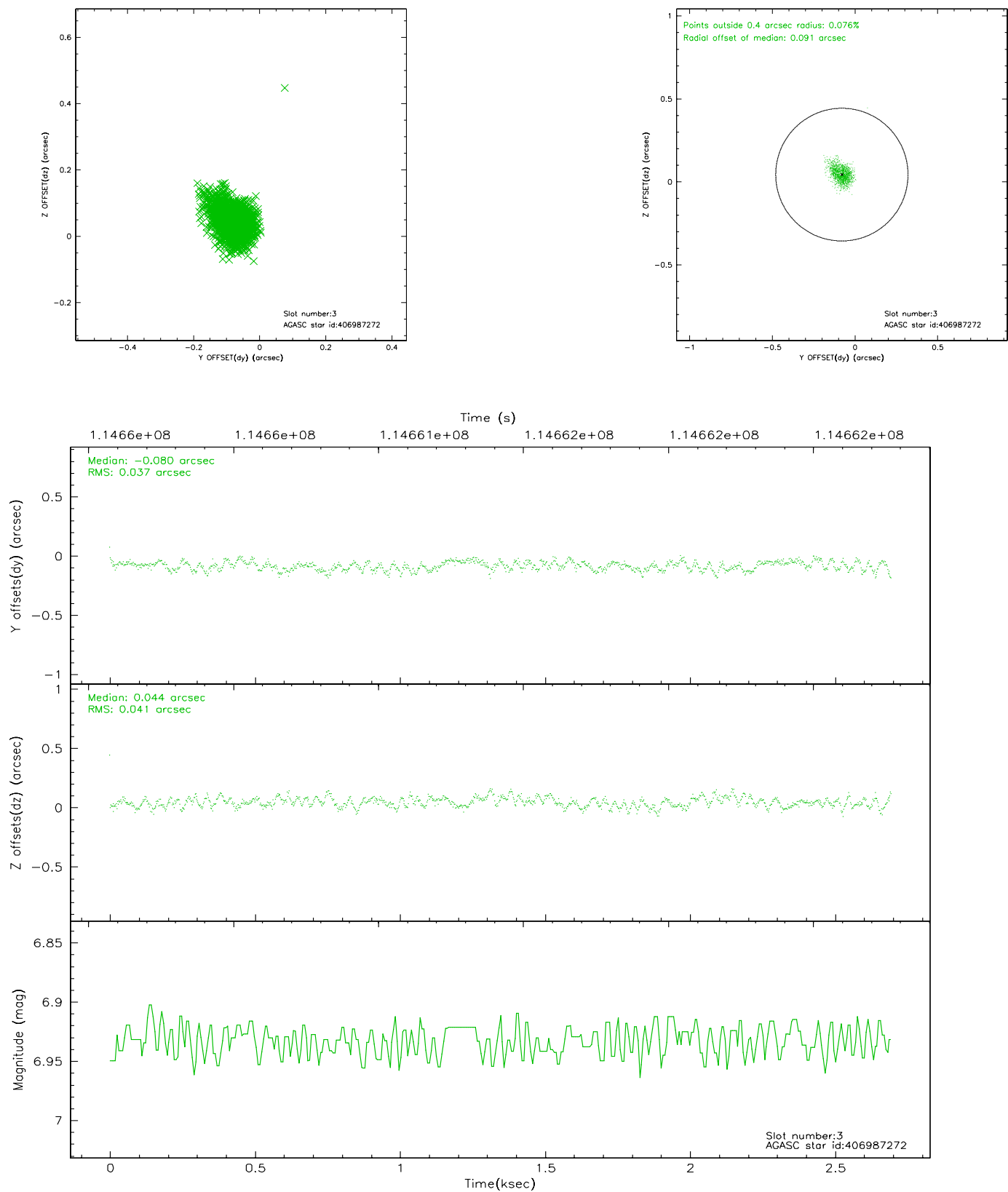
### Slot Statistics

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	658	0.156	-0.154	0.008	0.012	0.000000	0.000000	-1157.23	-453.41
1	FID	HRC-S-2	6.98	658	0.092	-0.096	0.005	0.012	0.000000	0.000000	1240.61	-446.72
2	FID	HRC-S-3	7.00	657	0.141	-0.052	0.007	0.012	0.000000	0.000000	-1158.06	575.54
3	GUIDE	406987272	6.93	1316	-0.080	0.044	0.056	0.095	278.536588	38.437504	1639.22	-777.74
4	GUIDE	406985120	7.42	1316	0.068	-0.056	0.062	0.097	278.839732	38.894839	-189.99	-1070.75
5	GUIDE	406993992	7.63	1316	-0.001	-0.009	0.046	0.075	279.053714	38.034587	1935.14	1259.91
6	GUIDE	406989616	8.22	1316	0.052	-0.001	0.056	0.091	279.202881	38.520843	281.53	553.00
7	GUIDE	406980288	9.31	1312	-0.028	0.014	0.088	0.145	278.903147	39.061646	-779.74	-1284.80

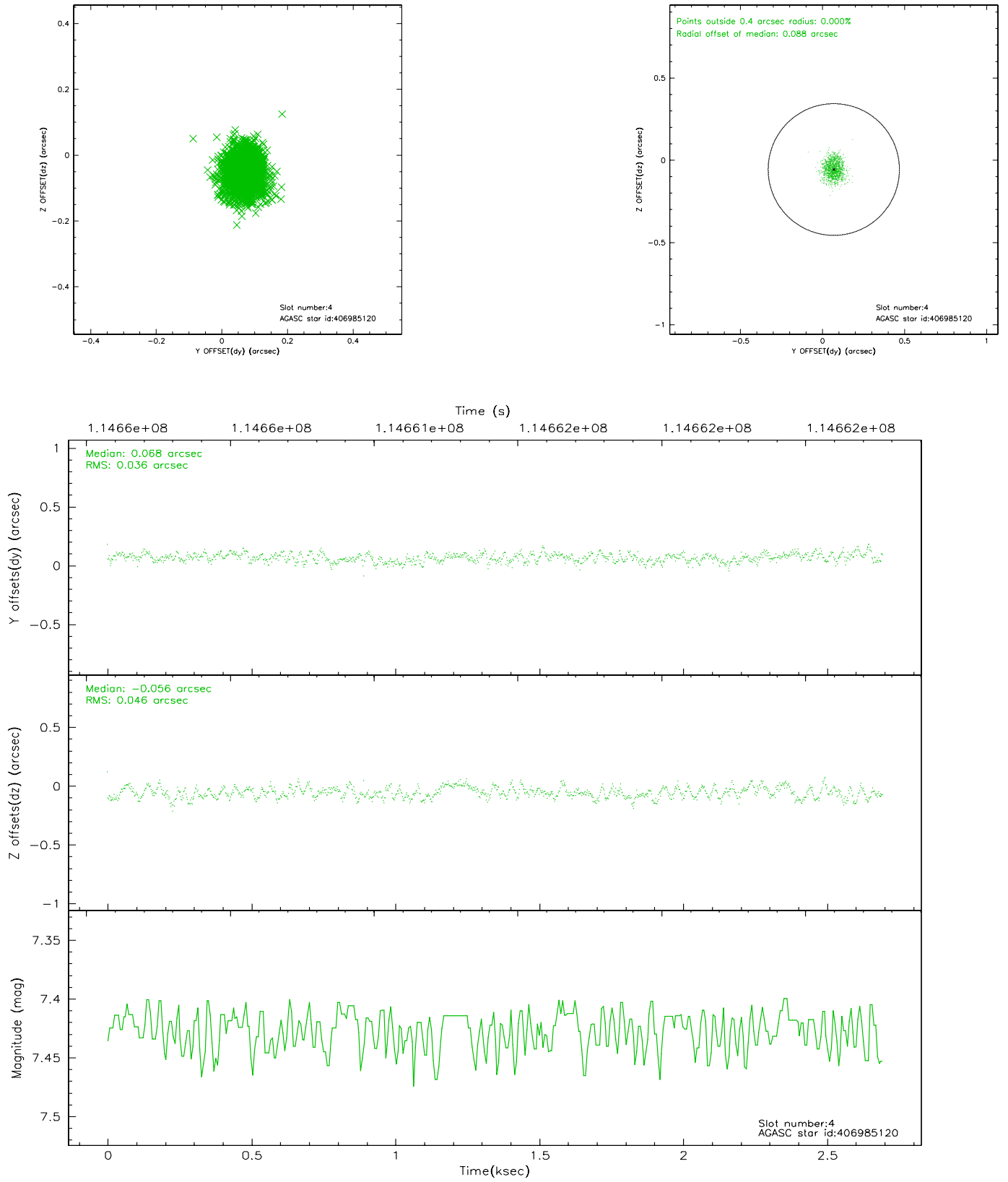


## 2.4 Star Slots

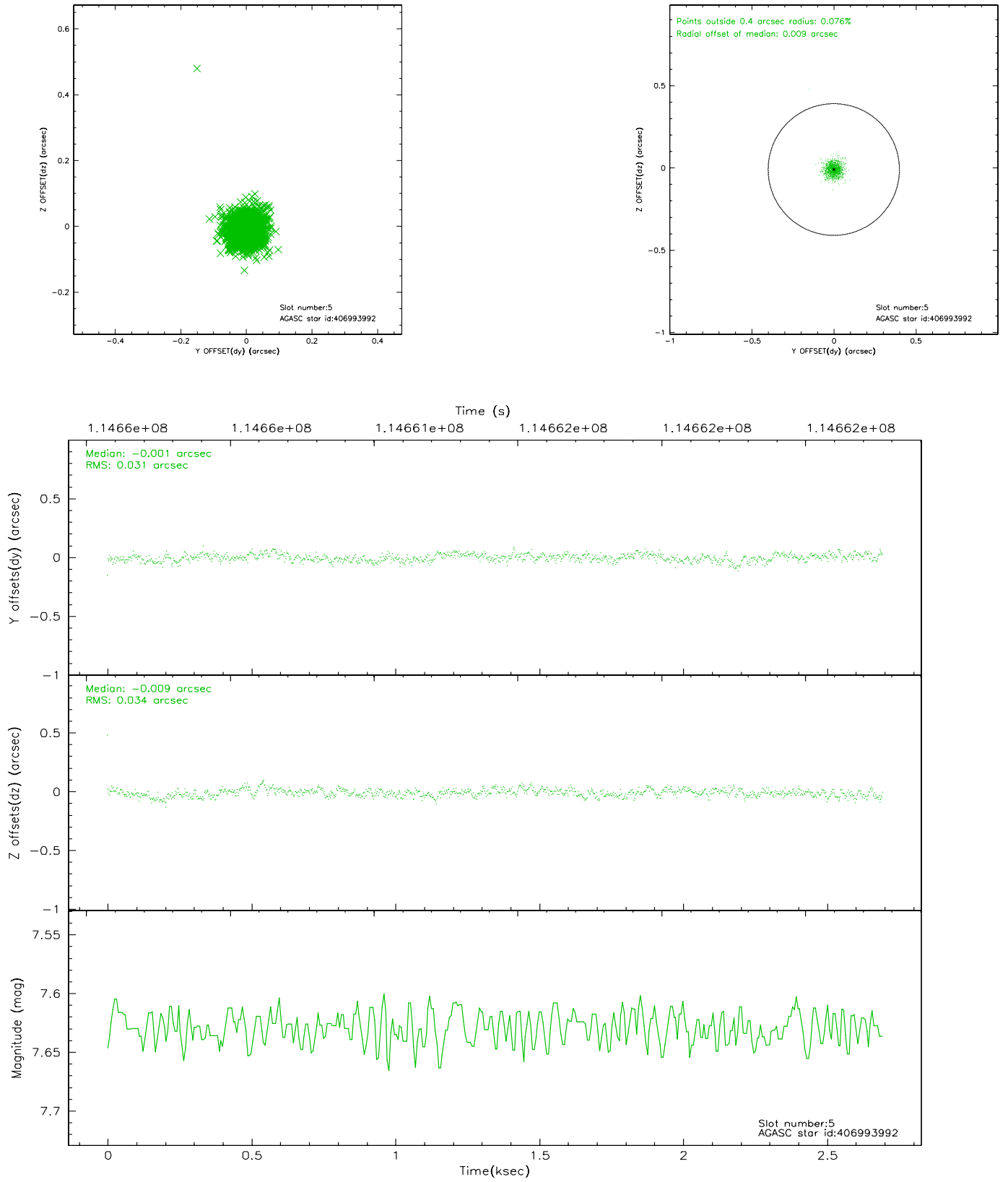
### 2.4.1 Slot 3



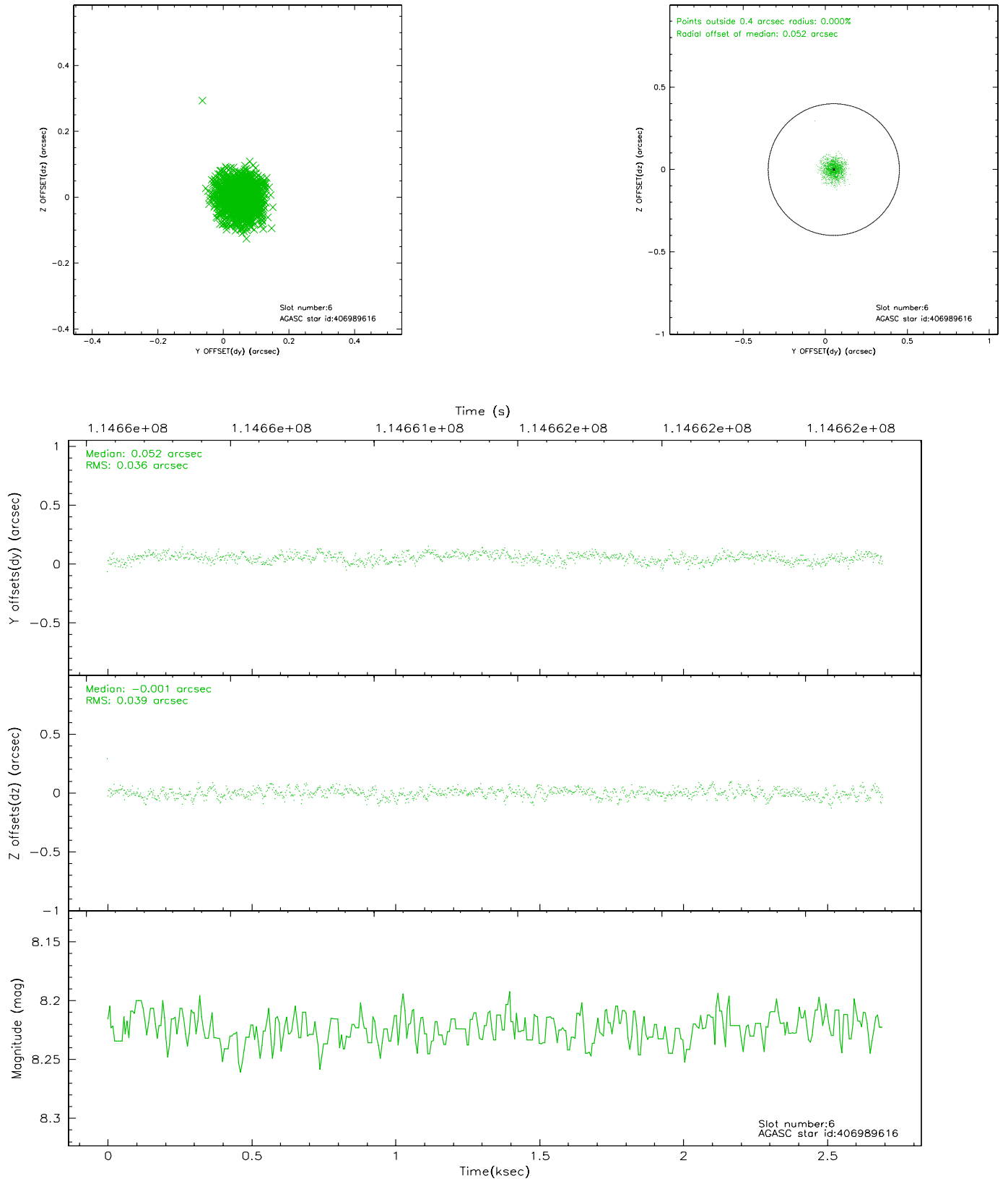
## 2.4.2 Slot 4



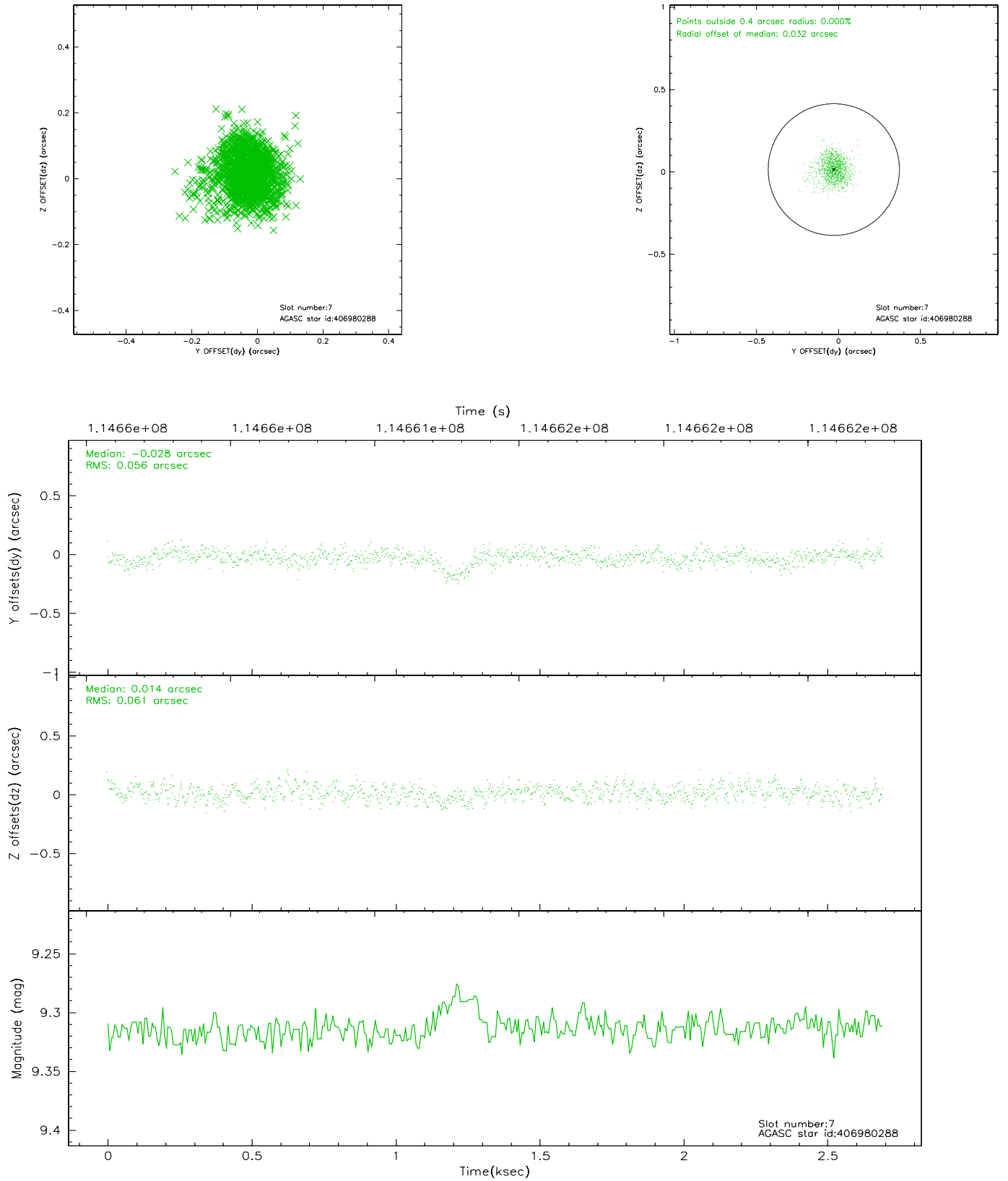
### 2.4.3 Slot 5



## 2.4.4 Slot 6

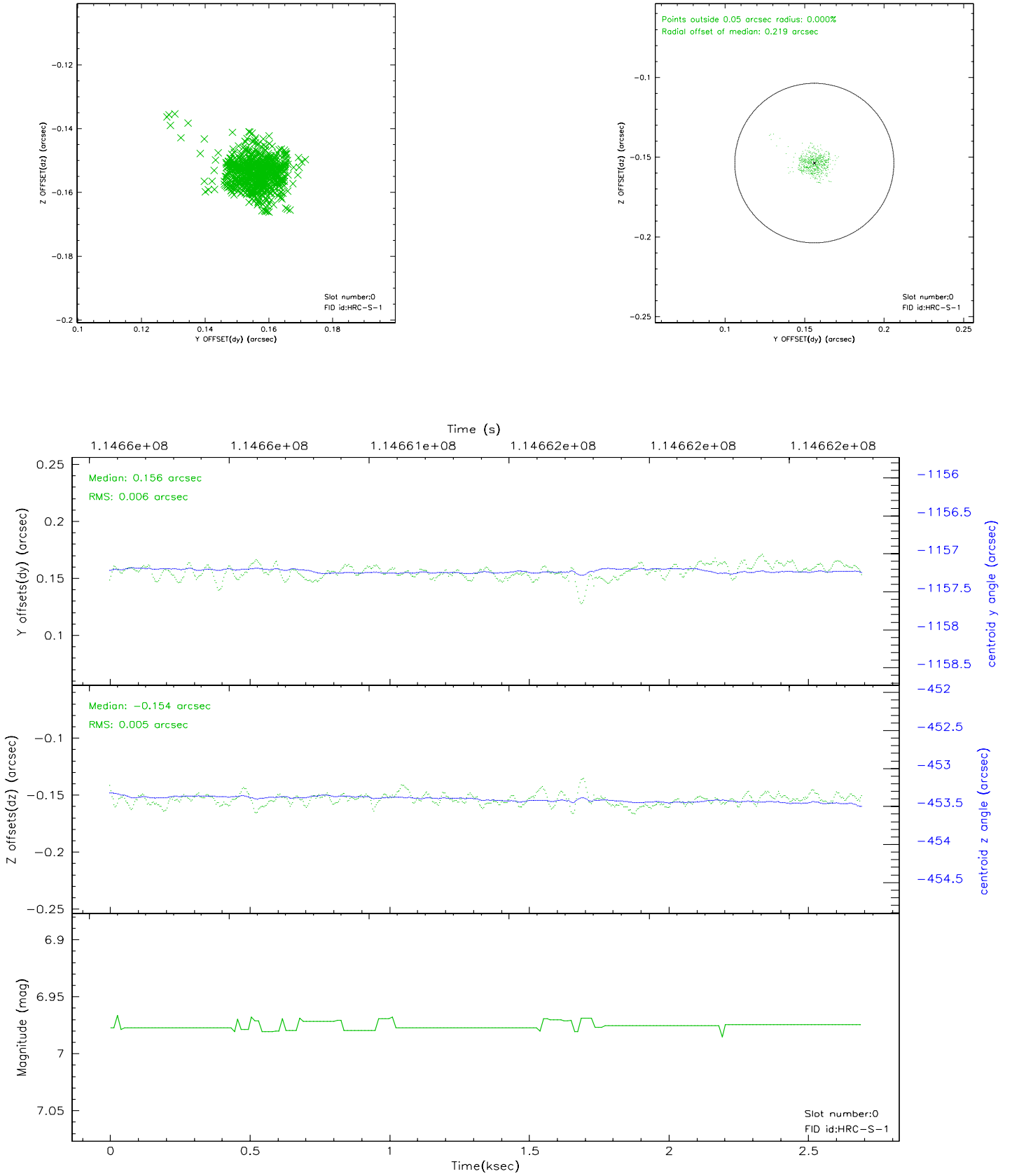


## 2.4.5 Slot 7

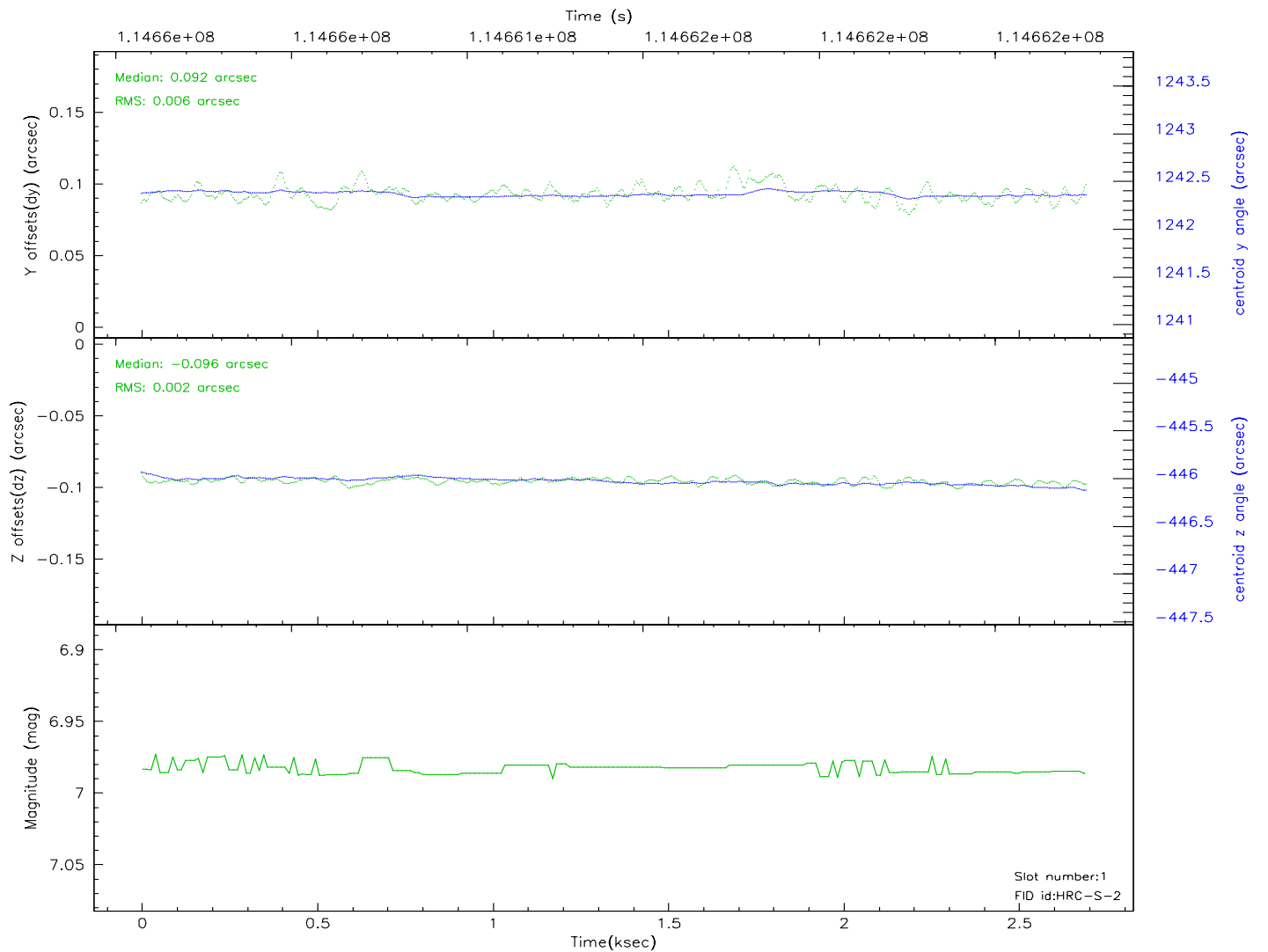
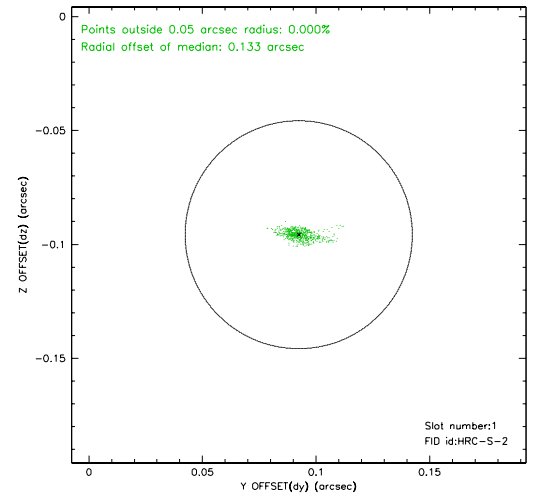
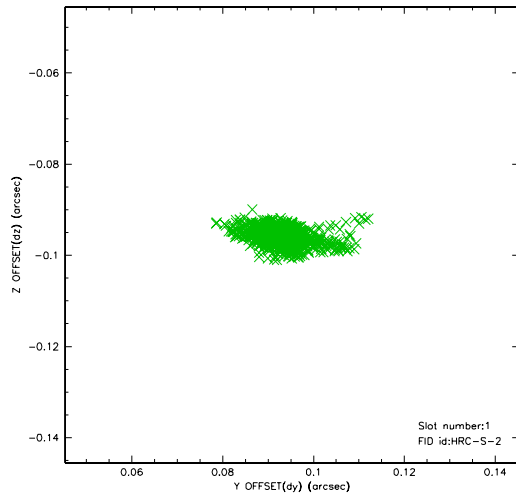


## 2.5 FID Slots

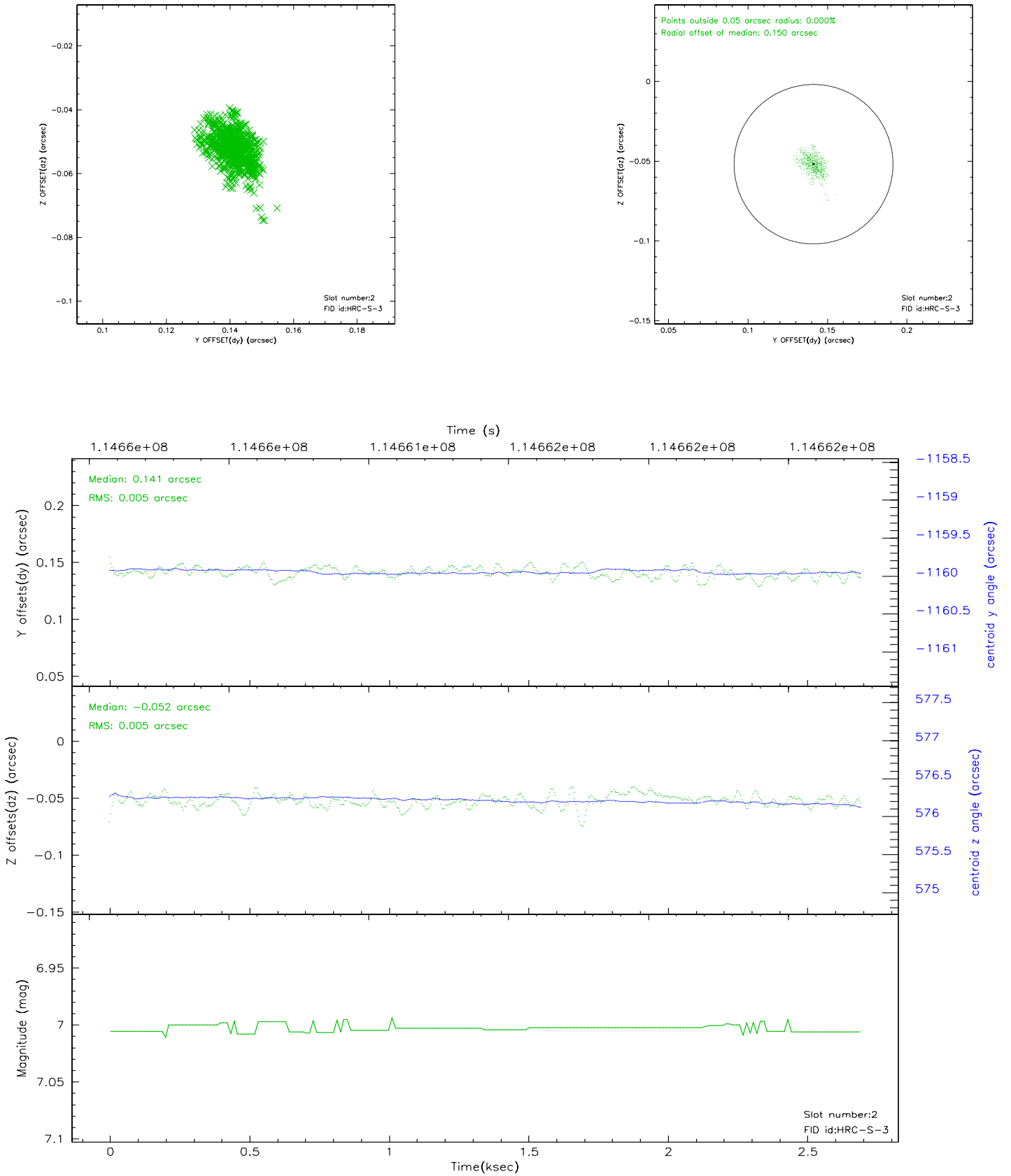
### 2.5.1 Slot 0



## 2.5.2 Slot 1

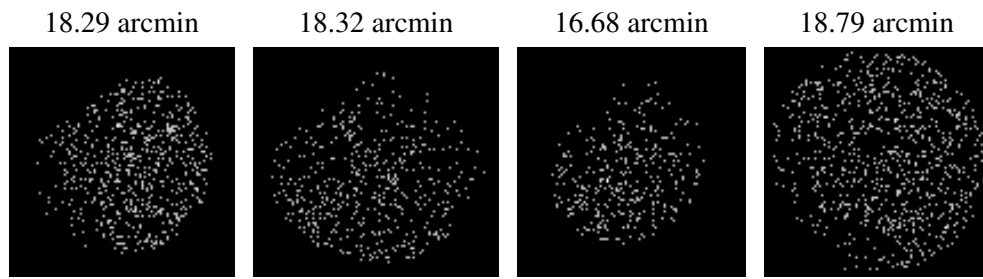


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.695

### A.2 Comments

Window constraint satisfied.