

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5055 - L2 Version 3  
Chandra X-Ray Center

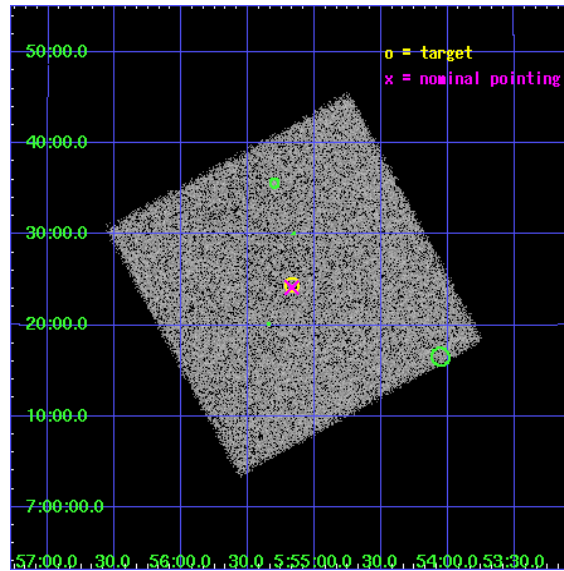
L2 Processing Date : Nov 23 2007

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# 1 Front

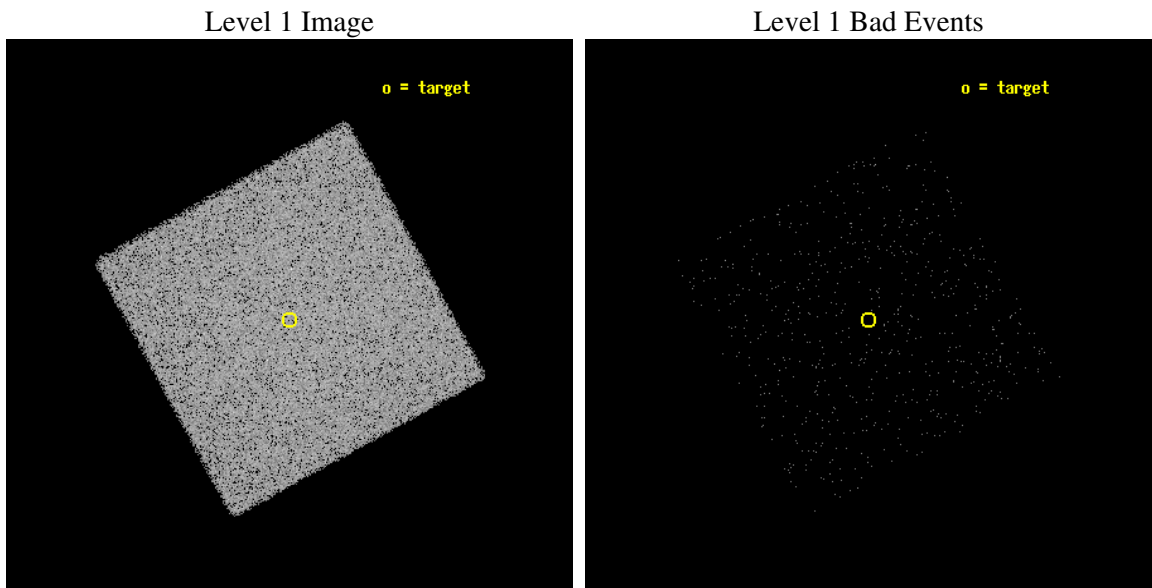
seq_num	290328
obs_id	5055
title	AO5 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.
observer	Dr. CXC Calibration
object	Betelgeuse
ra_targ	88.792917
dec_targ	7.407056
ra_nom	88.792437558942
dec_nom	7.4027342562046
roll_nom	286.32325357416
revision	3
ontime	2086.1313411593
livetime	2069.0530615902
l2events	89314



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-23T22:14:09
revision	3

sched_exp_time	2102.000000
ontime	2086.1313411593
l1events	136517

### 2.1.3 Events

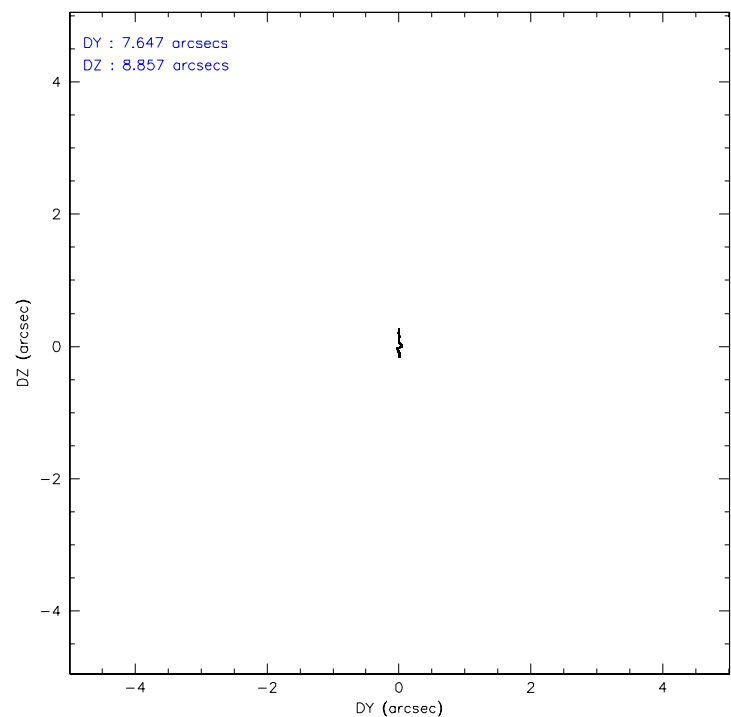
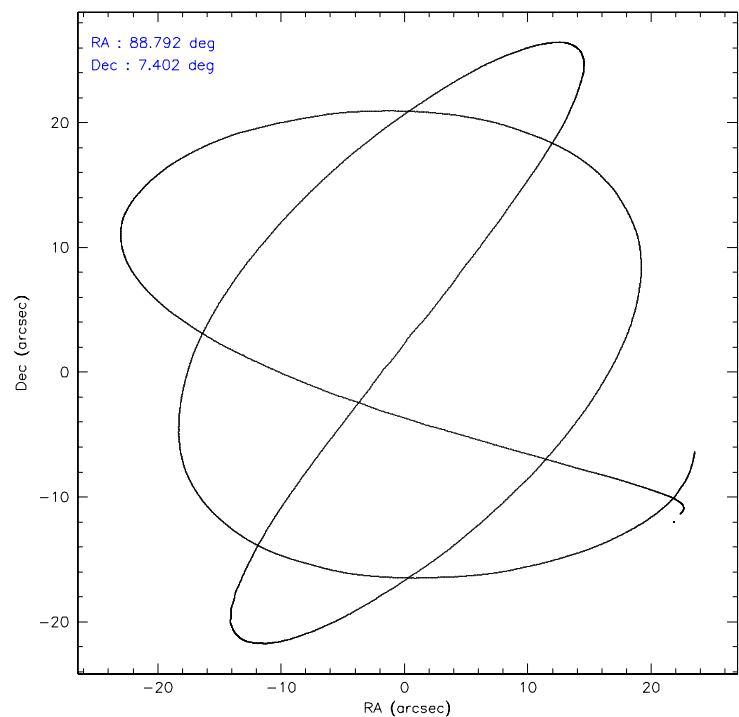
#### Level 1 Events

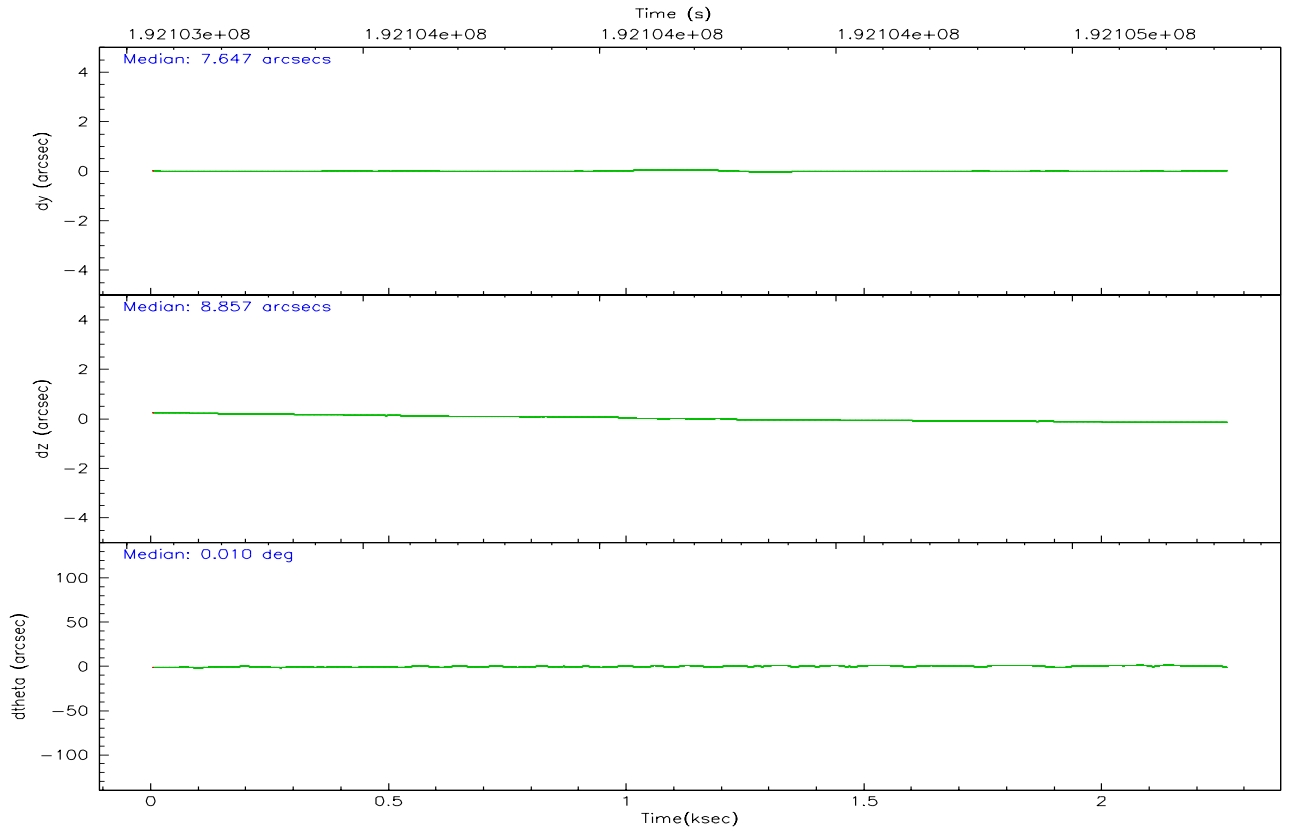
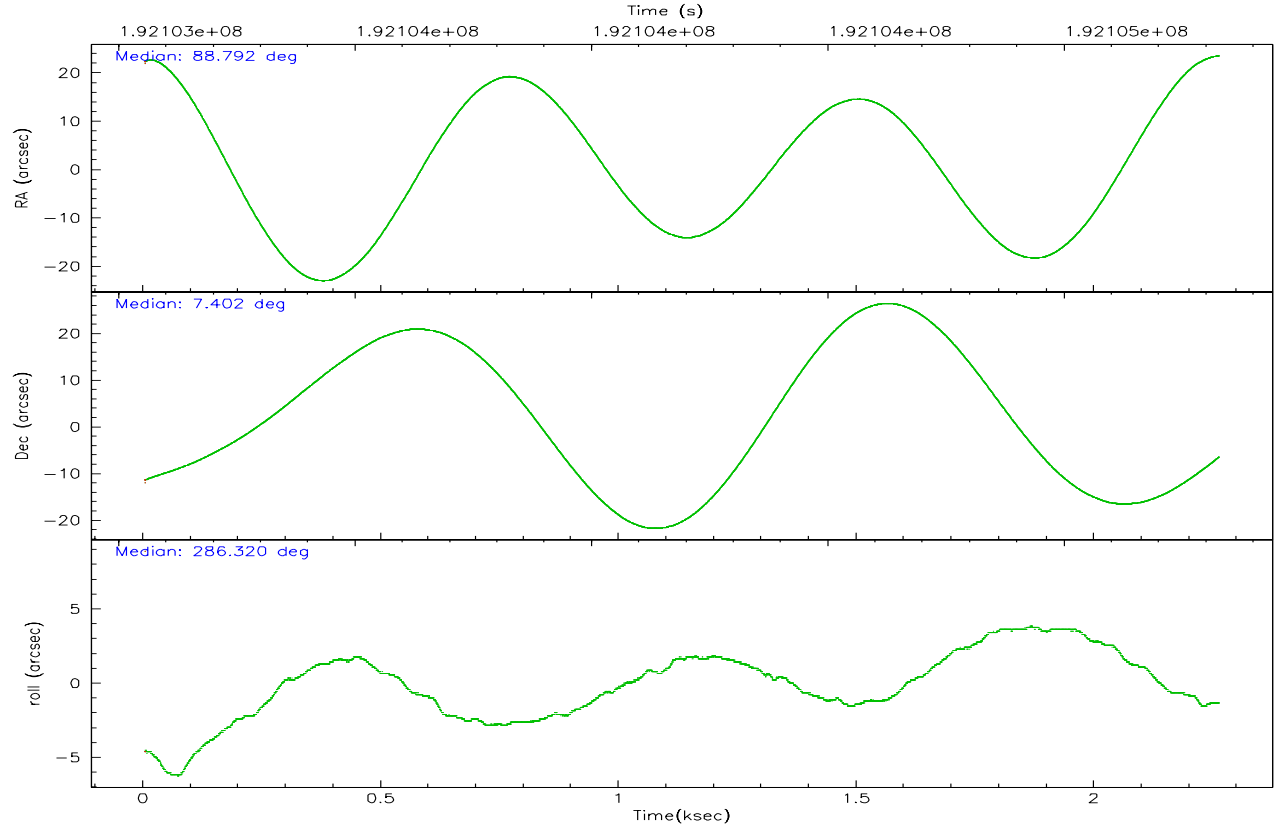
	<b>segment 0</b>
level 1 events	136517
rejected events	8600
rejected %	6%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	88.772252	88.79243755894164			
Pointing Dec	7.421169	7.402734256204554			
Pointing Roll	286.421337	286.323253574164			
Window start time	191980864.184000	191980864.184000			
Window stop time	197078464.184000	197078464.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	192103219.184000	192102807.93254			
Observation start date	2004-02-02T09:59:15	2004-02-02T09:53:27			
Observation end time	192105321.184000	192105457.04516			
Observation end date	2004-02-02T10:34:17	2004-02-02T10:37:37			

2.3 Aspect





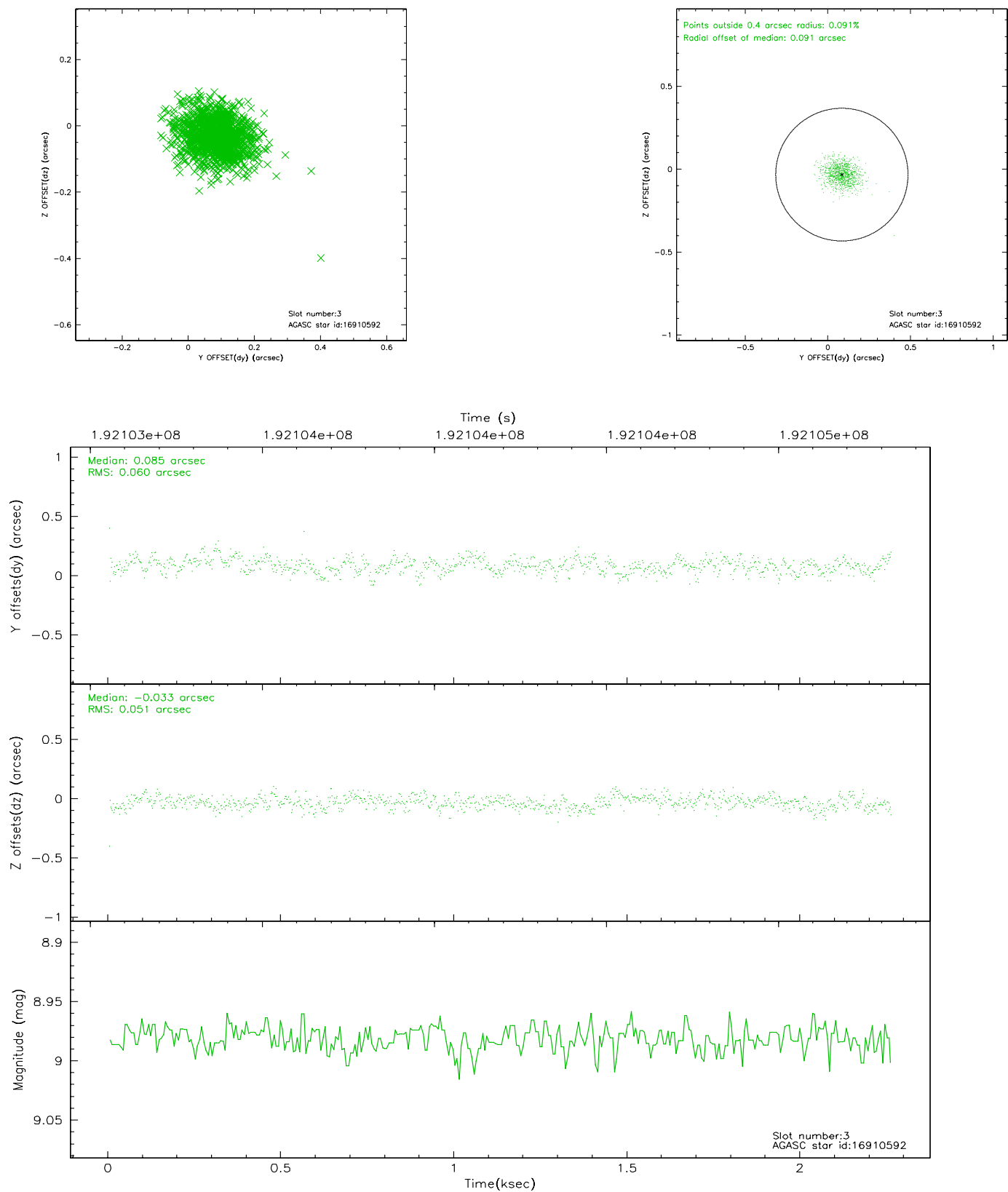
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.06	552	-0.010	0.041	0.008	0.013	0.000000	0.000000	-763.29	-1296.72
1	FID	HRC-I-2	7.10	552	0.157	-0.122	0.008	0.013	0.000000	0.000000	848.13	-1300.83
2	FID	HRC-I-3	7.15	552	-0.027	-0.009	0.009	0.017	0.000000	0.000000	-1190.21	1005.44
3	GUIDE	16910592	8.98	1103	0.085	-0.033	0.083	0.135	88.532936	6.726769	2155.69	-1526.99
4	GUIDE	16913360	8.33	1103	0.020	0.005	0.064	0.099	89.178373	7.247125	1012.02	1213.29
5	GUIDE	16918912	8.67	1103	0.099	0.085	0.068	0.108	89.257075	6.922287	2212.34	1156.22
6	GUIDE	93854800	7.58	1103	-0.128	-0.108	0.060	0.096	88.376308	7.655454	-1207.17	-1115.27
7	GUIDE	93855160	8.50	1102	-0.074	0.047	0.068	0.108	88.514904	7.713359	-1270.18	-583.86

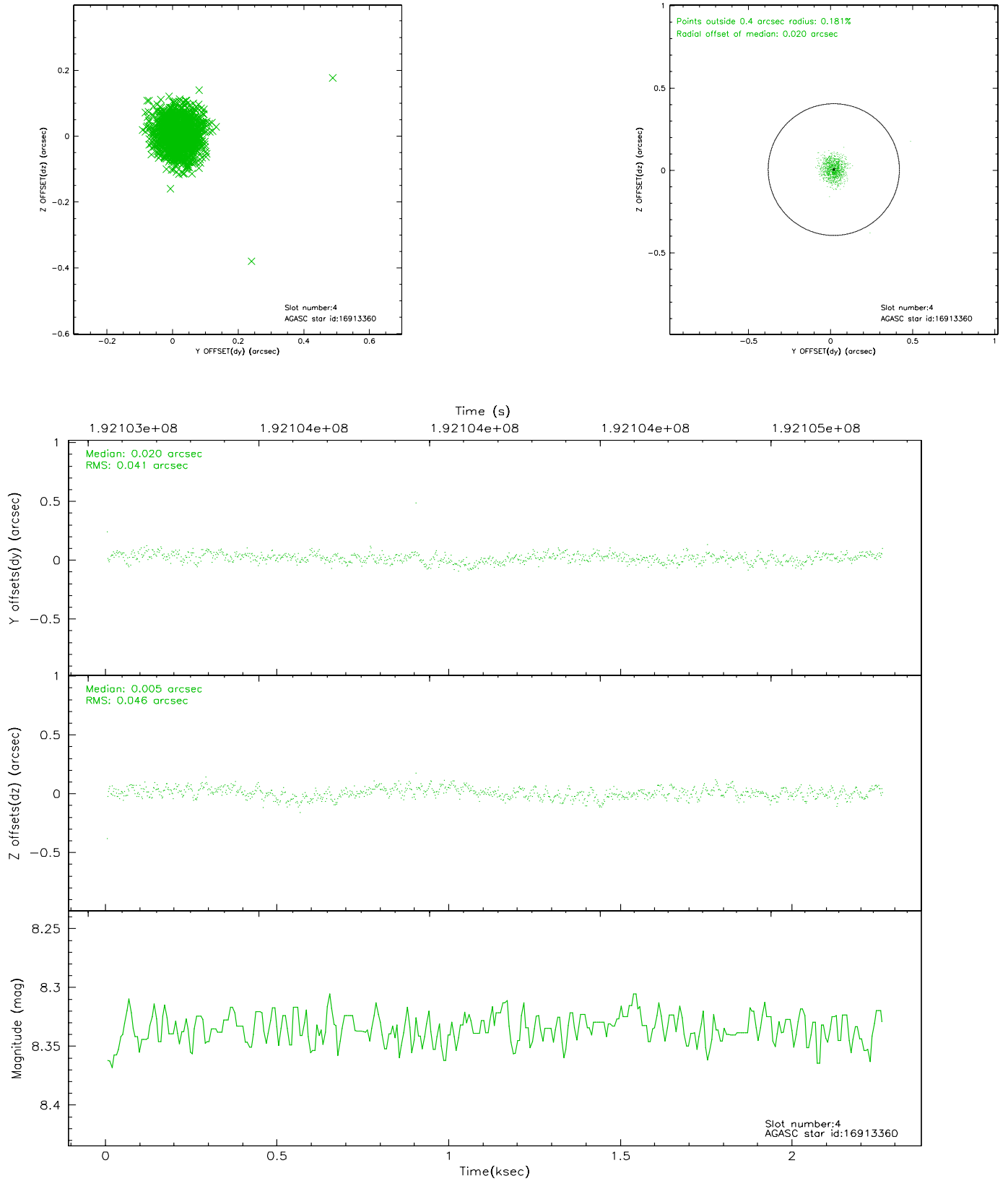


## 2.4 Star Slots

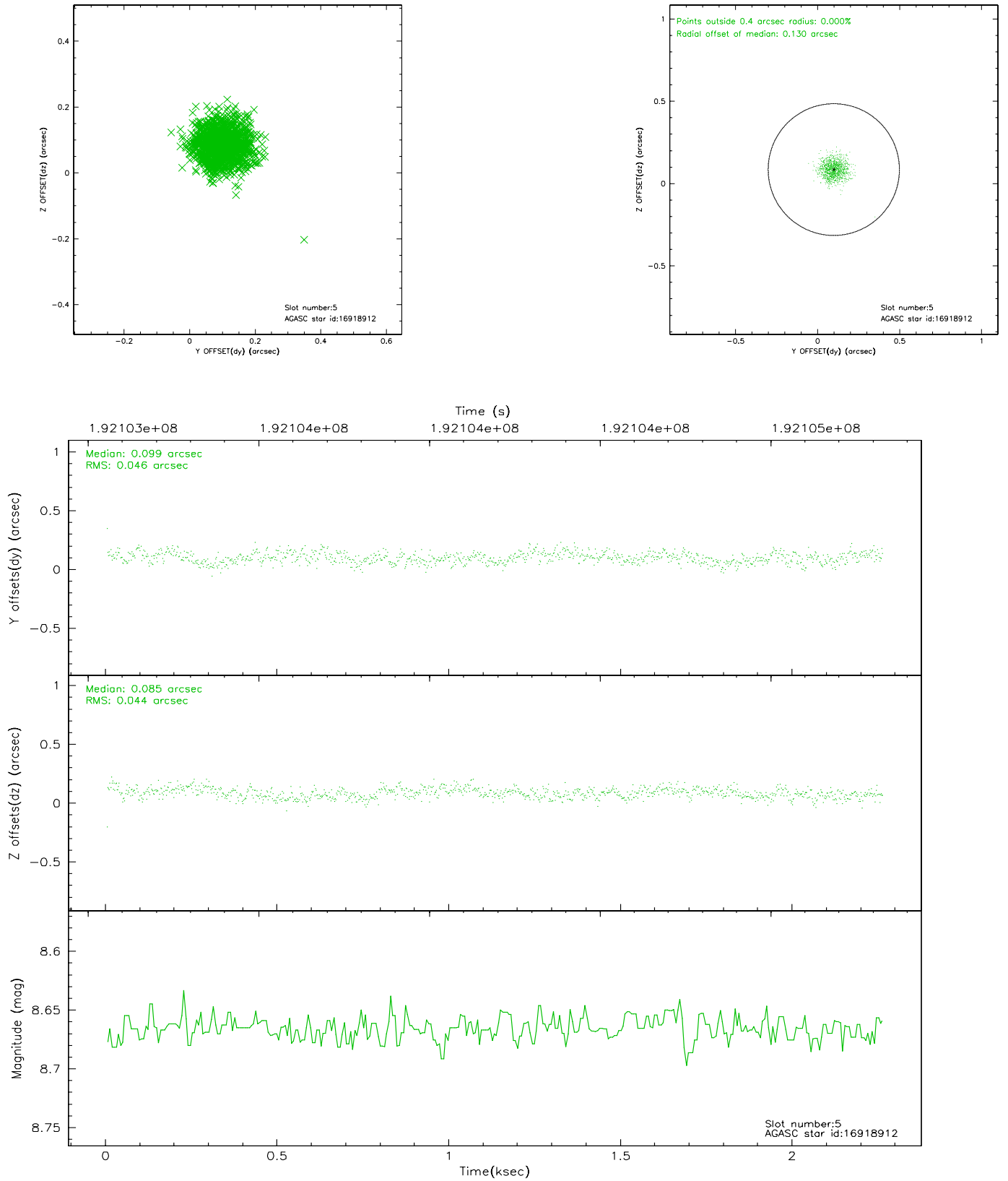
### 2.4.1 Slot 3



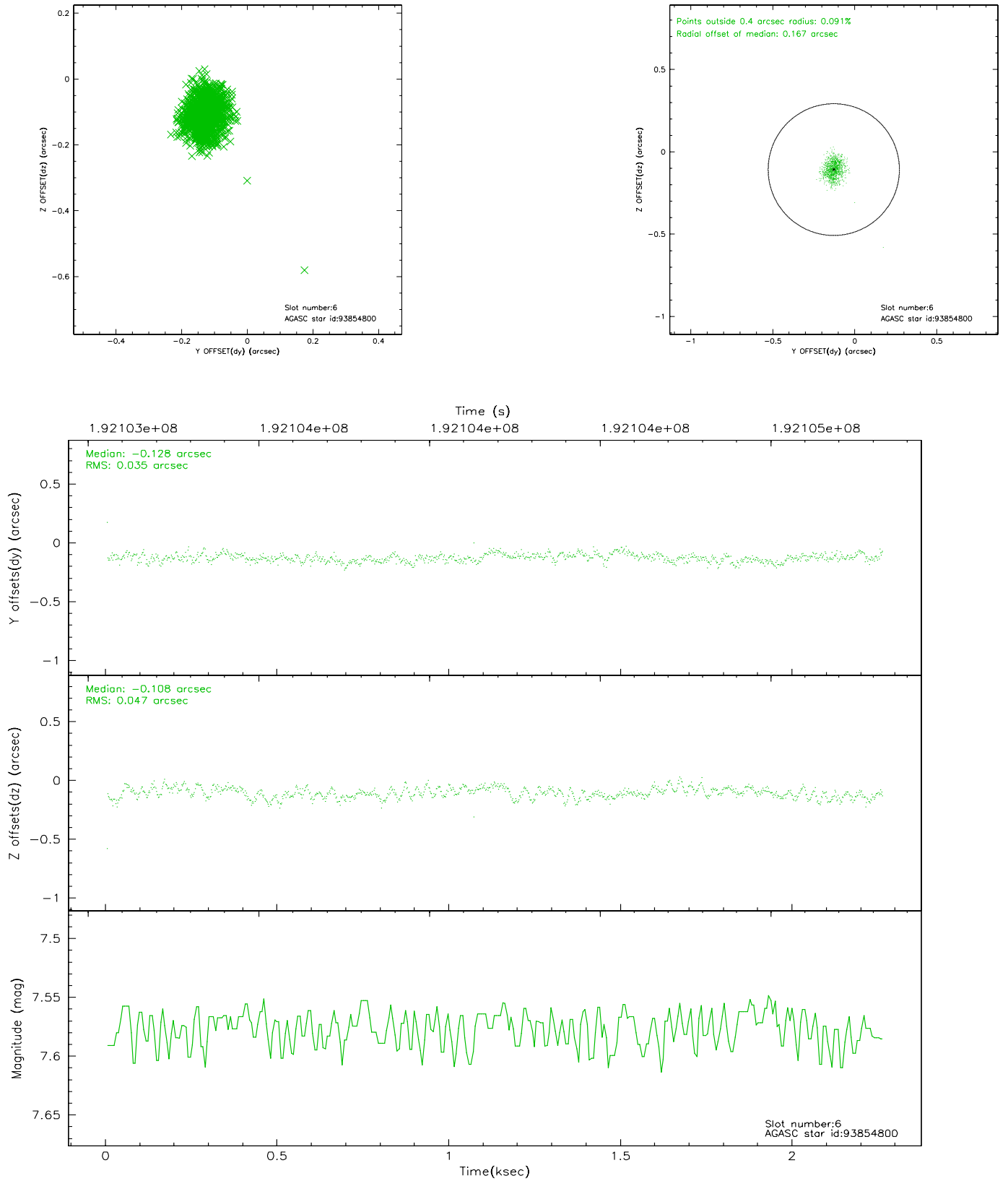
## 2.4.2 Slot 4



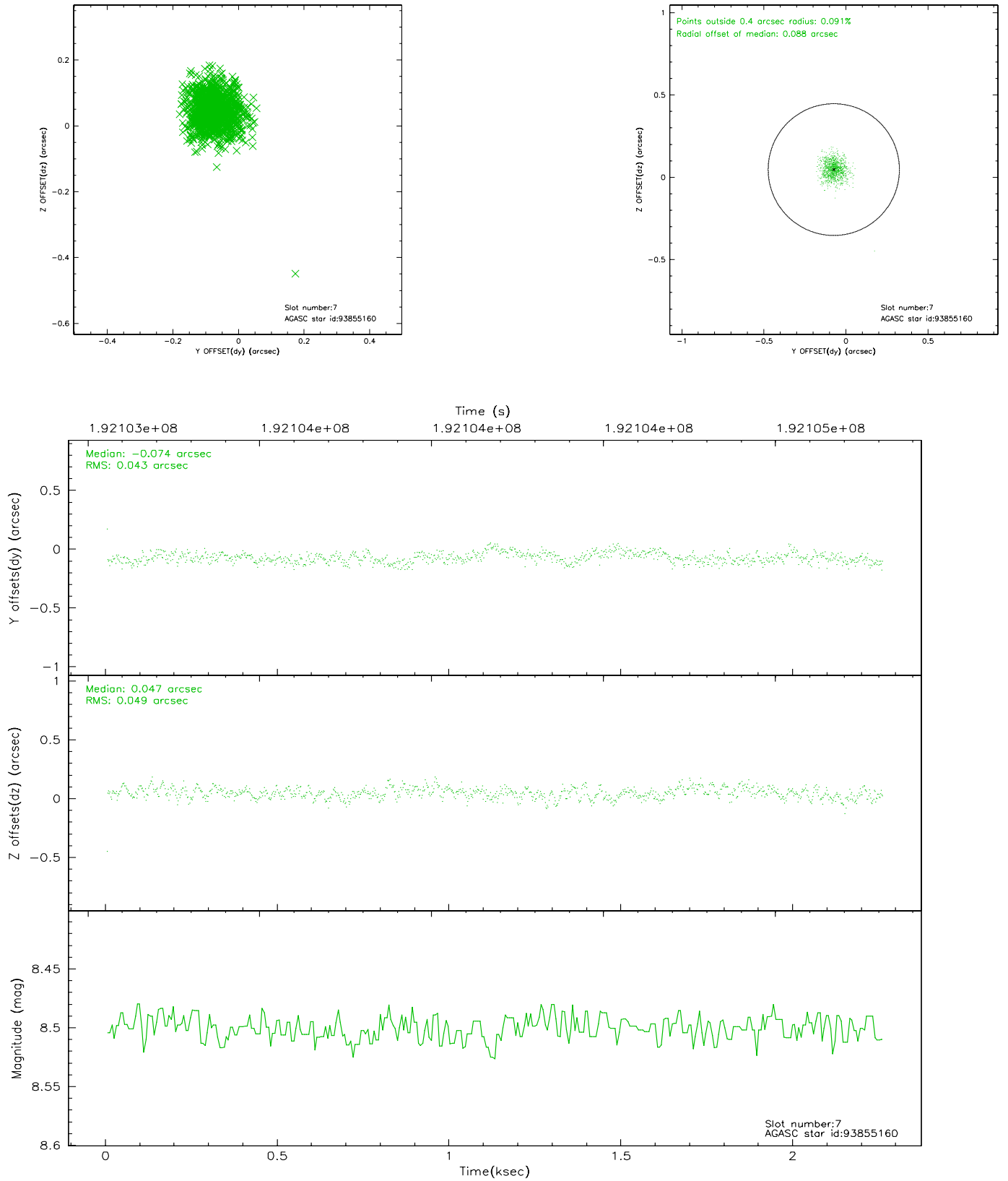
### 2.4.3 Slot 5



## 2.4.4 Slot 6

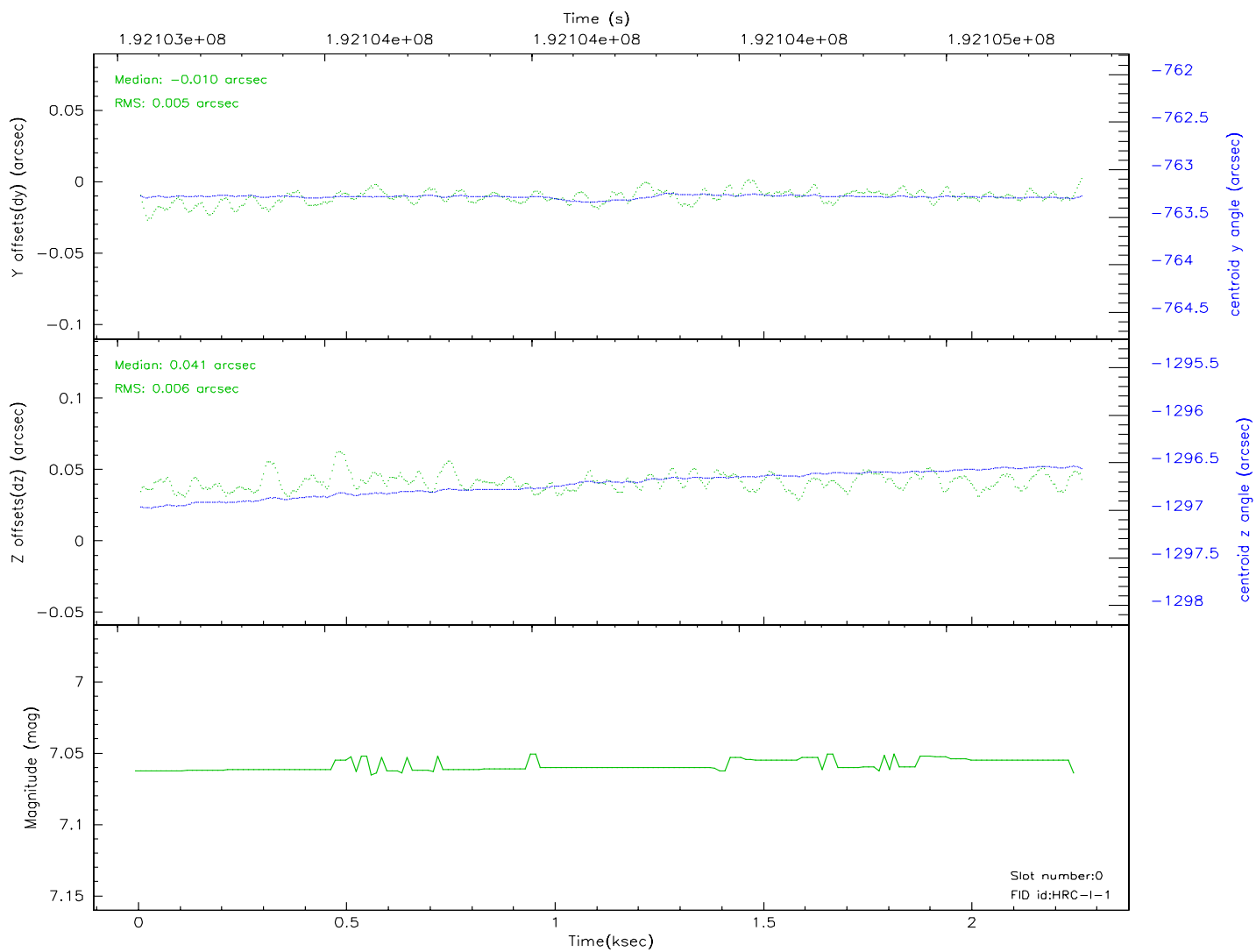
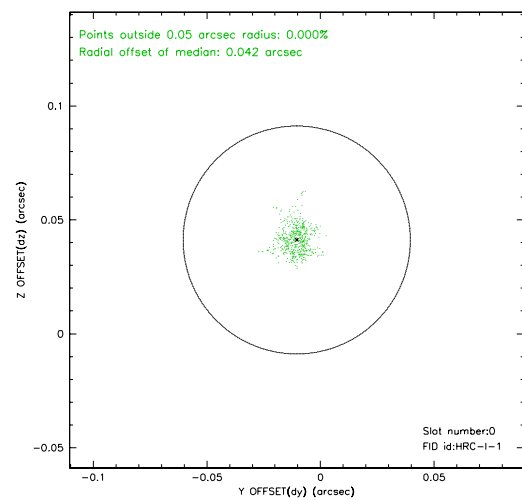
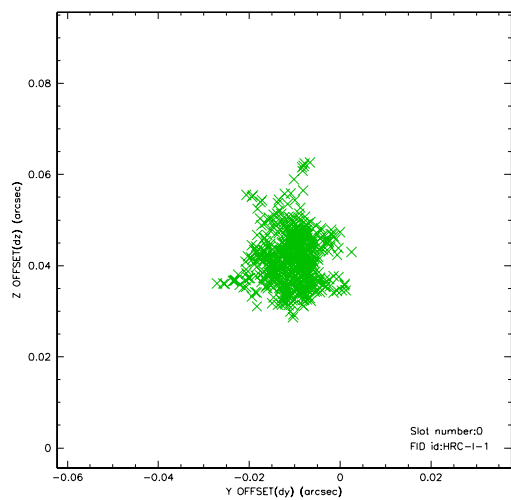


## 2.4.5 Slot 7

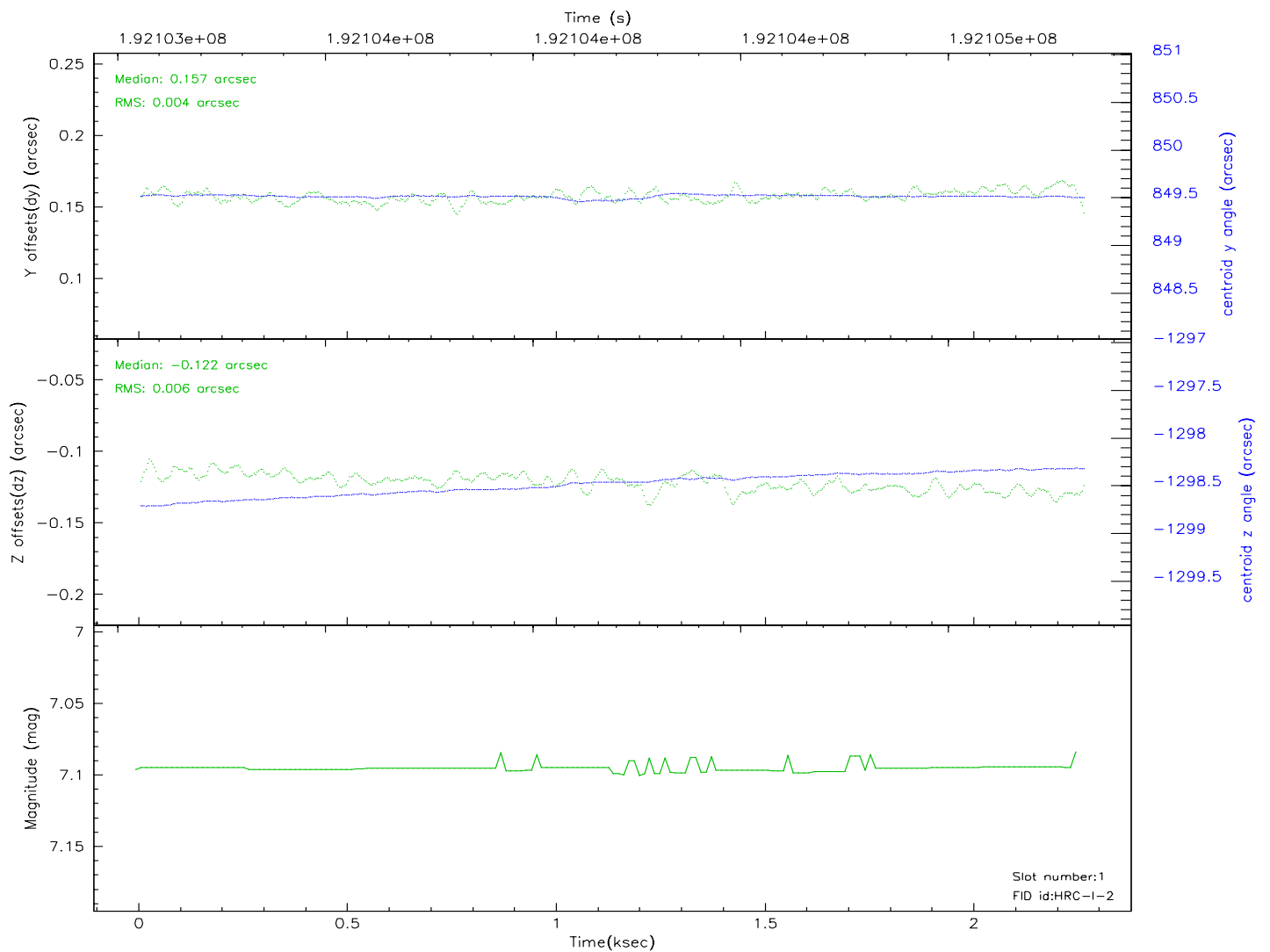
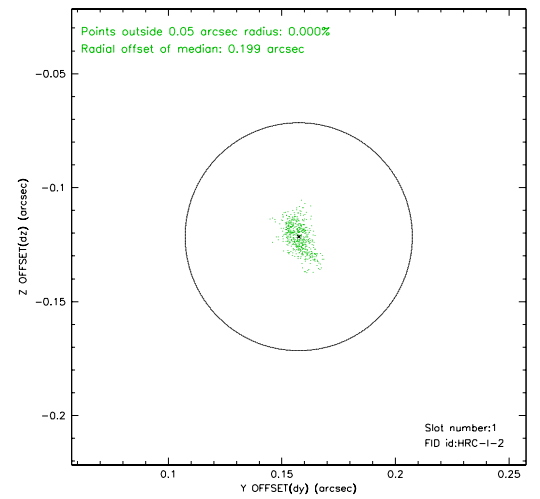
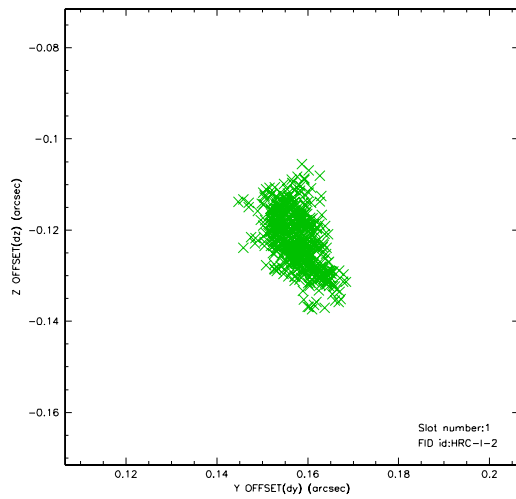


## 2.5 FID Slots

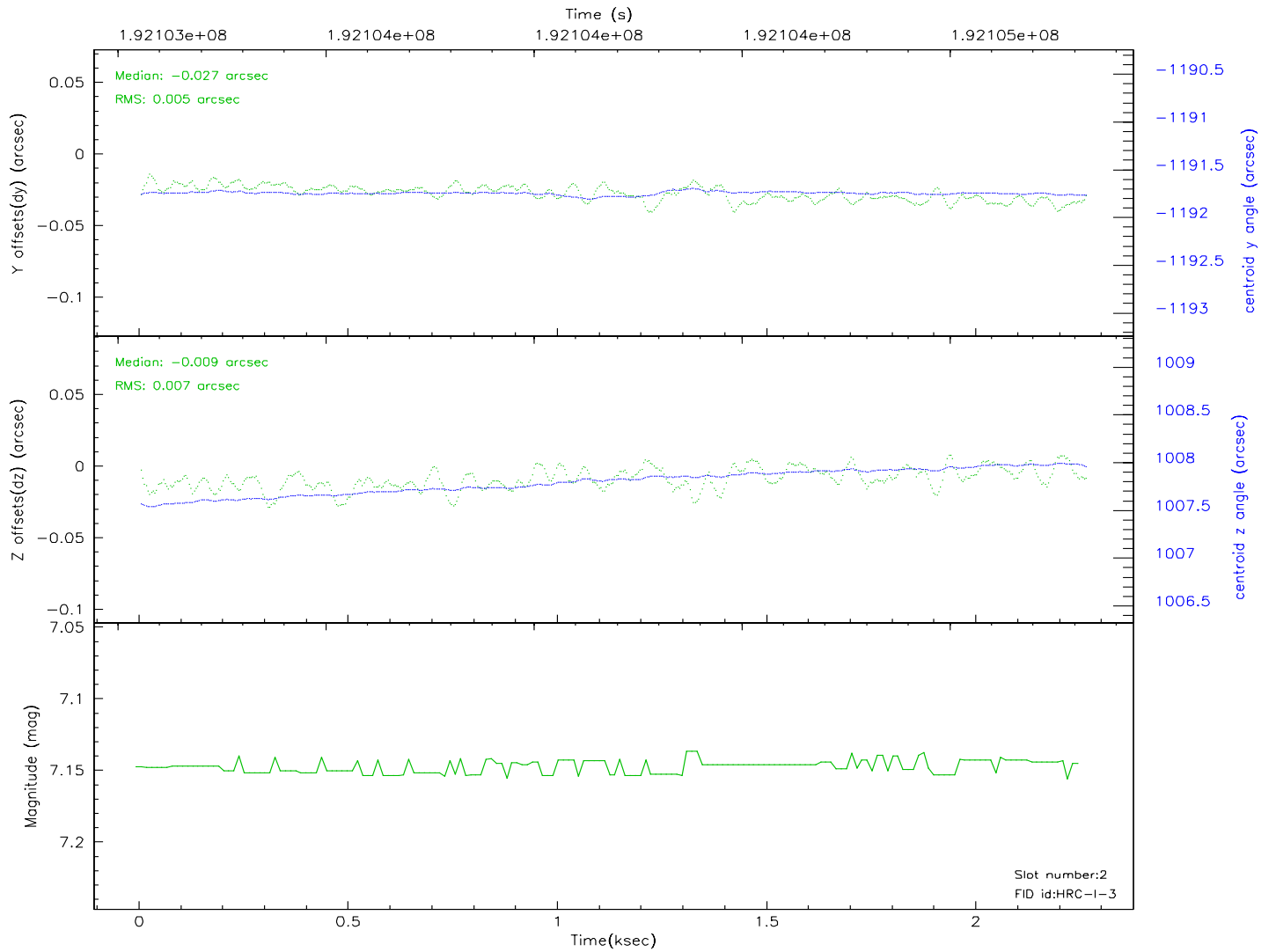
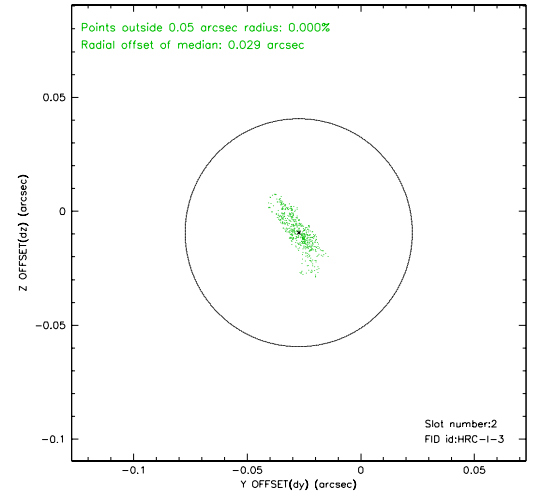
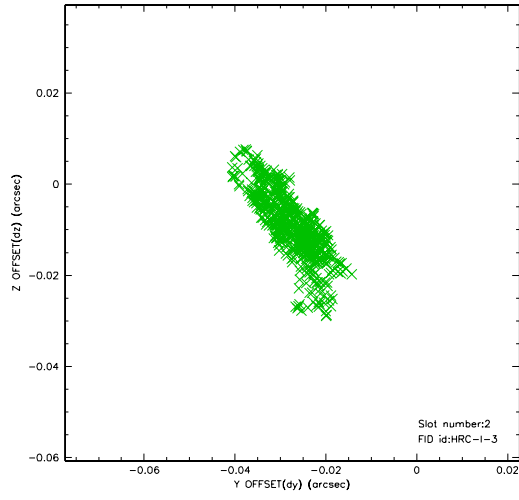
### 2.5.1 Slot 0



## 2.5.2 Slot 1



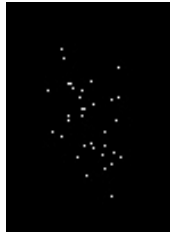
### 2.5.3 Slot 2





### 3 Point Sources

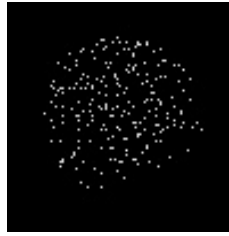
4.82 arcmin



5.89 arcmin



18.31 arcmin



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.086

## A.2 Comments

Window constraint met.

The current observation has been reprocessed as part of Repro III ('C' supplement) the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIC web page at

<http://asc.harvard.edu/cda/repro3.html#IIIC>

and the associated links.