

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5975 - L2 Version 3  
Chandra X-Ray Center

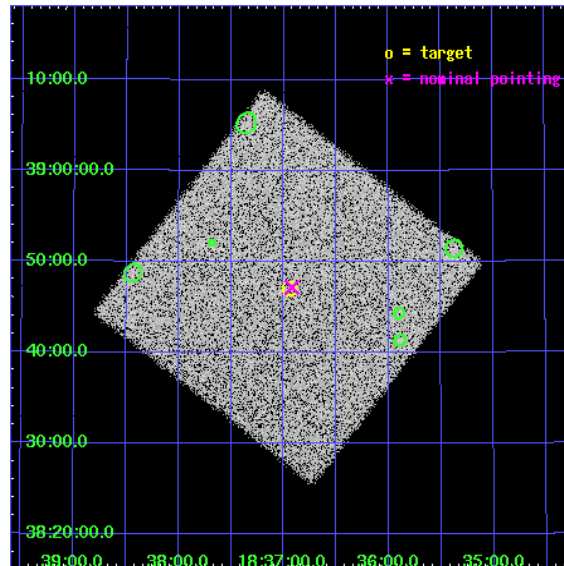
L2 Processing Date : Nov 24 2007

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# 1 Front

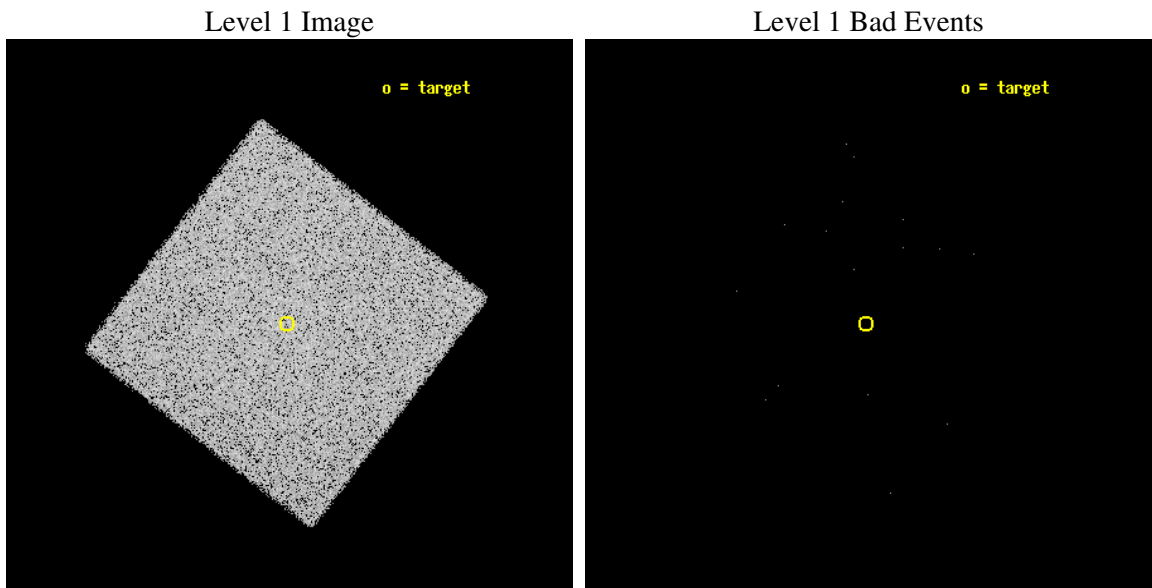
seq_num	290467
obs_id	5975
title	AO6 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.
observer	Dr. CXC Calibration
object	Vega
ra_targ	279.235
dec_targ	38.783778
ra_nom	279.23039113782
dec_nom	38.786121658122
roll_nom	172.75453942828
revision	3
ontime	2178.3813494742
livetime	2162.7182365978
l2events	83112



## 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	2007-11-24T15:37:26
revision	3

sched_exp_time	2000.000000
ontime	2178.3813494742
l1events	164001

### 2.1.3 Events

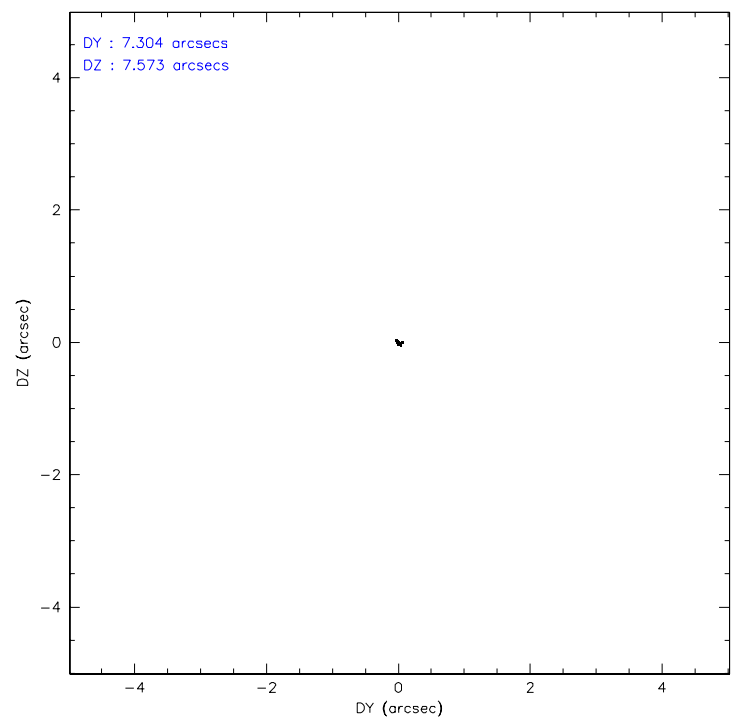
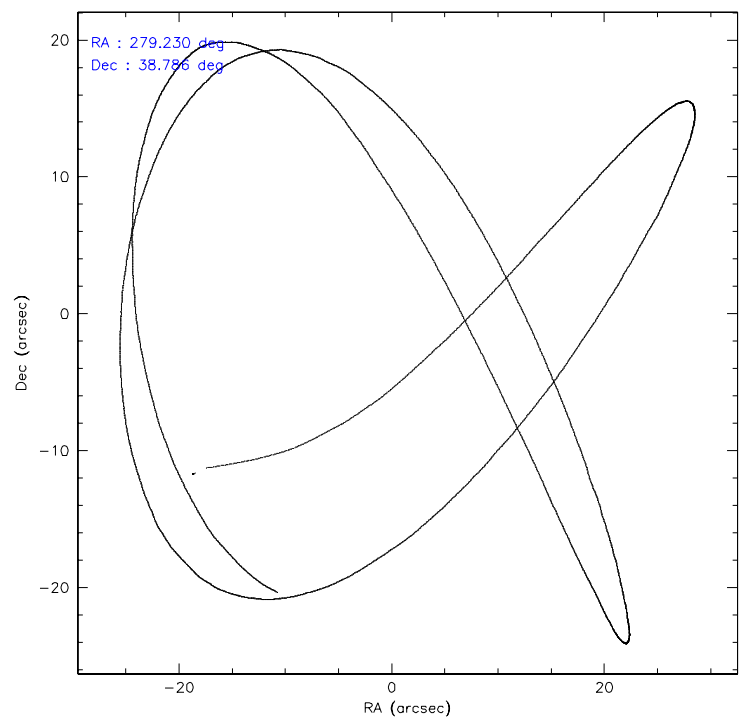
#### Level 1 Events

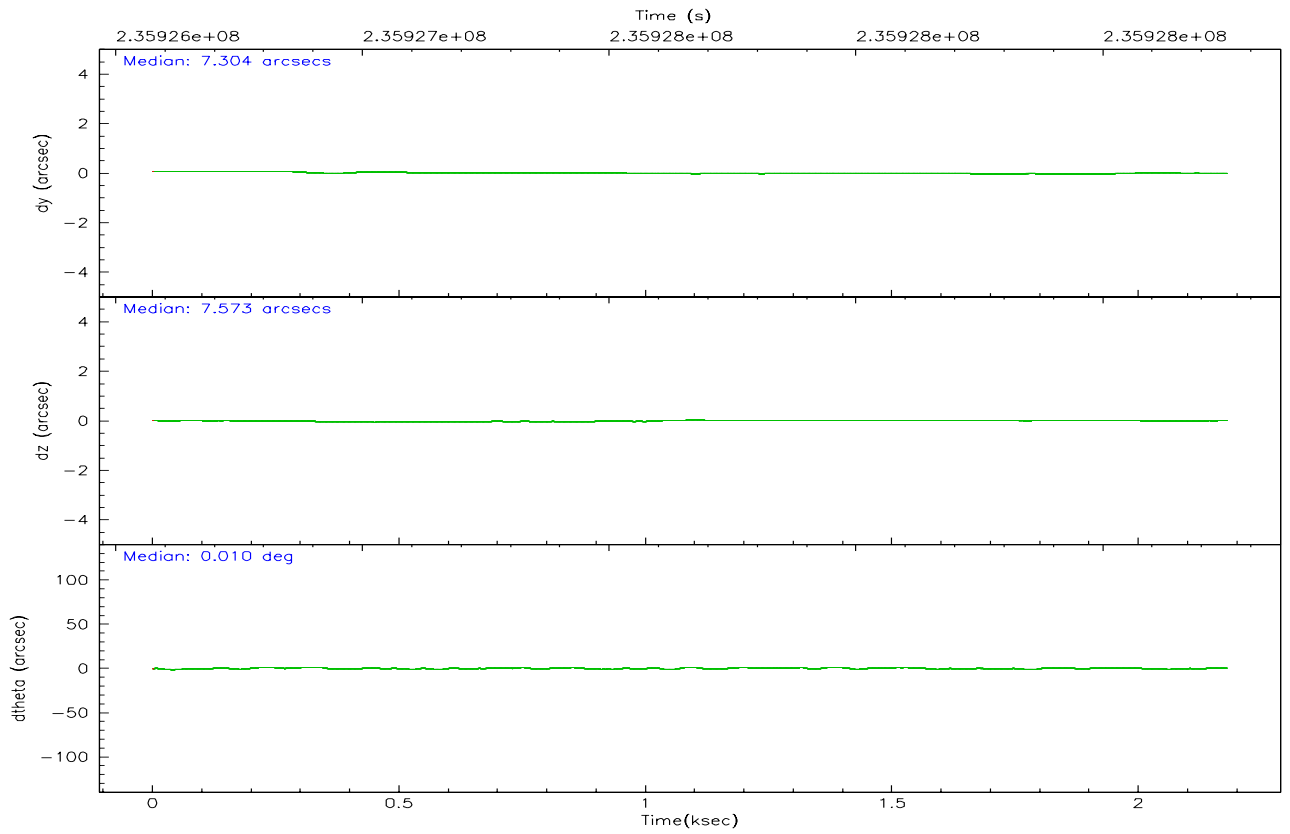
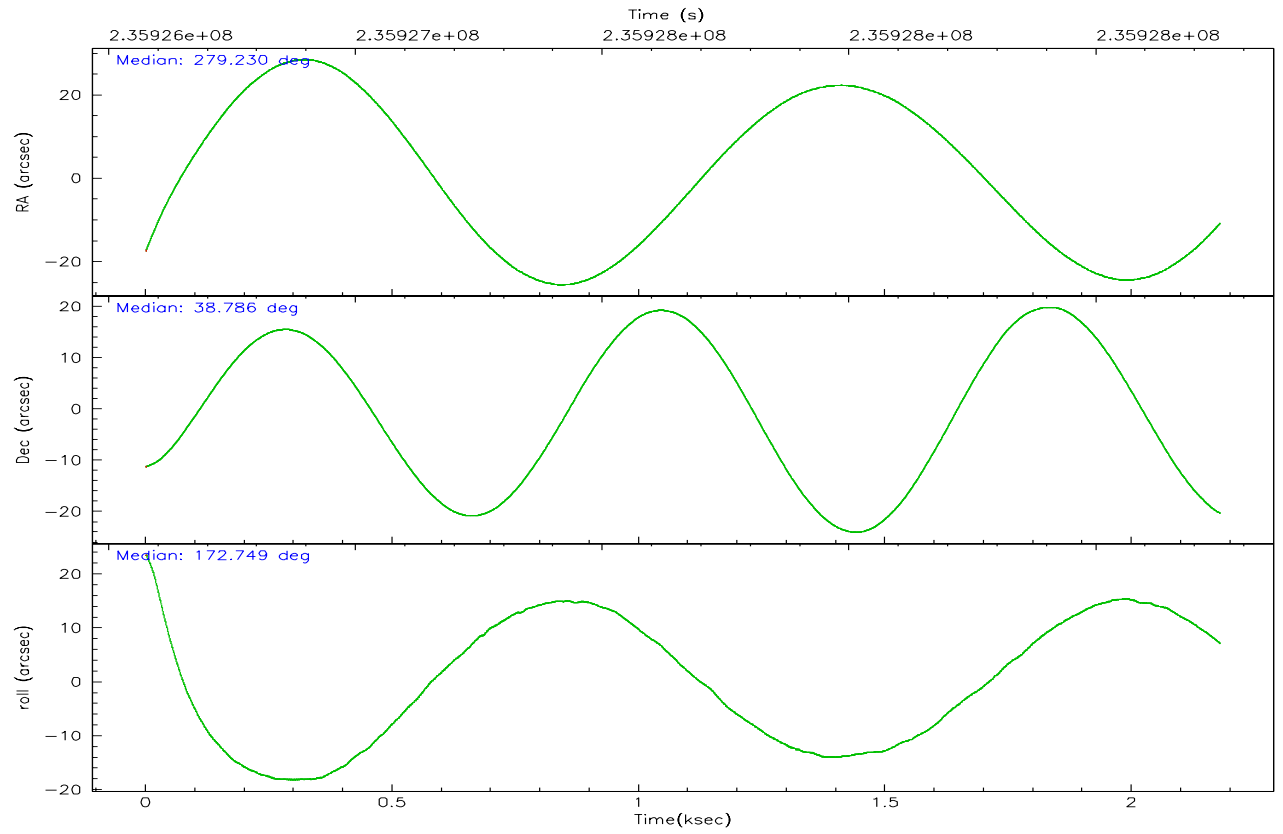
	<b>segment 0</b>
level 1 events	164001
rejected events	39783
rejected %	24%

## 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	279.262112	279.2303911378174			
Pointing Dec	38.796912	38.78612165812163			
Pointing Roll	172.830077	172.7545394282837			
Window start time	231292864.184000	231292864.184000			
Window stop time	236476864.184000	236476864.184000			
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	235926757.184000	235925903.84284			
Observation start date	2005-06-23T15:11:33	2005-06-23T14:58:23			
Observation end time	235928757.184000	235928891.20547			
Observation end date	2005-06-23T15:44:53	2005-06-23T15:48:11			

### 2.3 Aspect





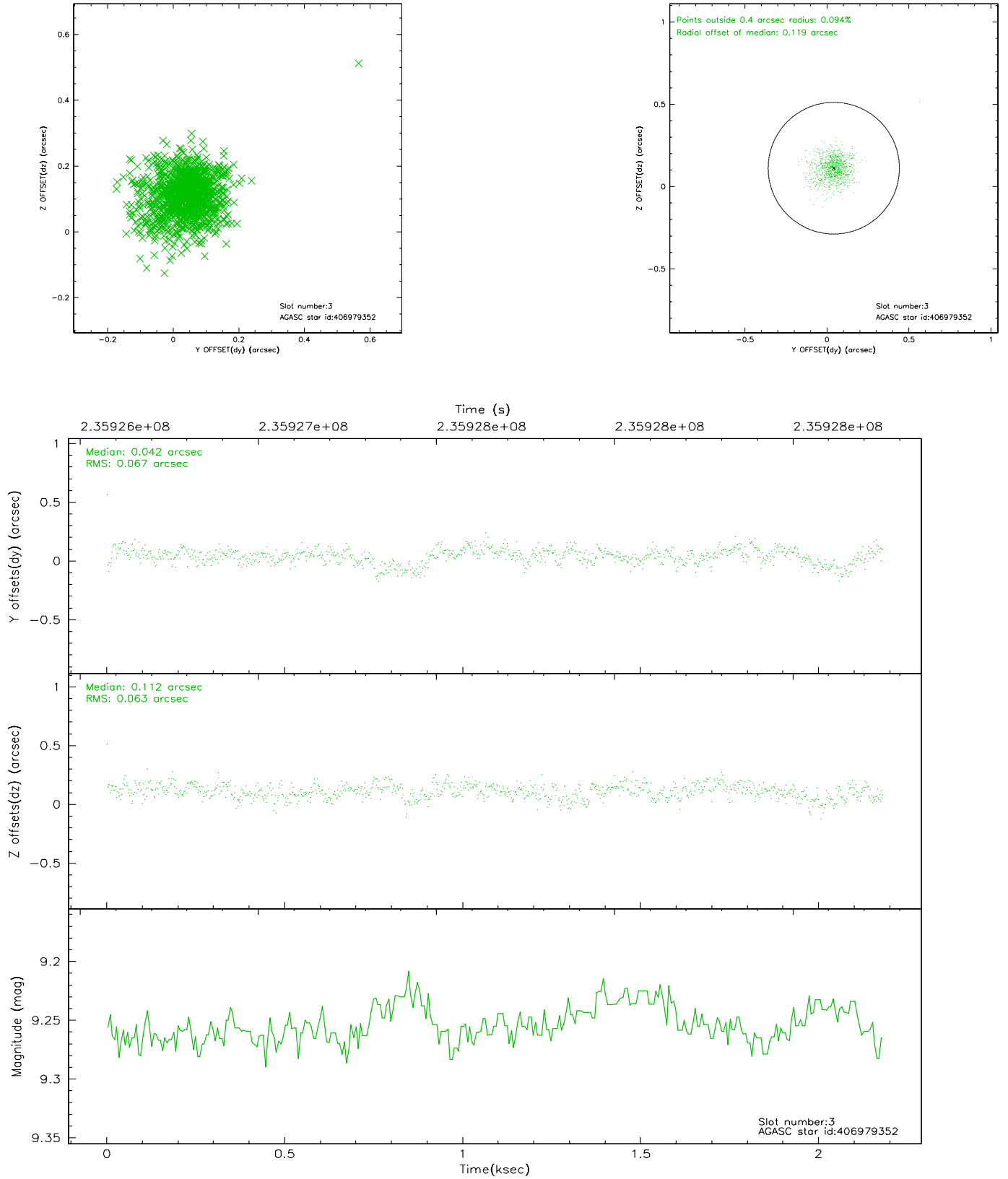
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.02	532	0.003	0.025	0.008	0.013	0.000000	0.000000	-762.93	-1295.39
1	FID	HRC-I-2	7.05	532	0.142	-0.116	0.006	0.010	0.000000	0.000000	848.41	-1299.57
2	FID	HRC-I-3	7.10	532	-0.026	0.002	0.007	0.011	0.000000	0.000000	-1189.80	1006.72
3	GUIDE	406979352	9.26	1063	0.042	0.112	0.095	0.162	279.968297	39.230258	-1758.08	-1799.23
4	GUIDE	406983600	8.93	1064	0.076	0.029	0.081	0.126	279.940957	39.020708	-1784.22	-1043.58
5	GUIDE	406987272	6.92	1064	-0.204	-0.204	0.065	0.102	278.536588	38.437504	1867.75	1531.09
6	GUIDE	407510432	8.15	1064	0.089	-0.005	0.097	0.154	278.762778	39.530640	1708.18	-2448.70
7	GUIDE	407521232	8.64	1062	-0.006	0.064	0.097	0.152	279.628883	39.431715	-724.40	-2397.84

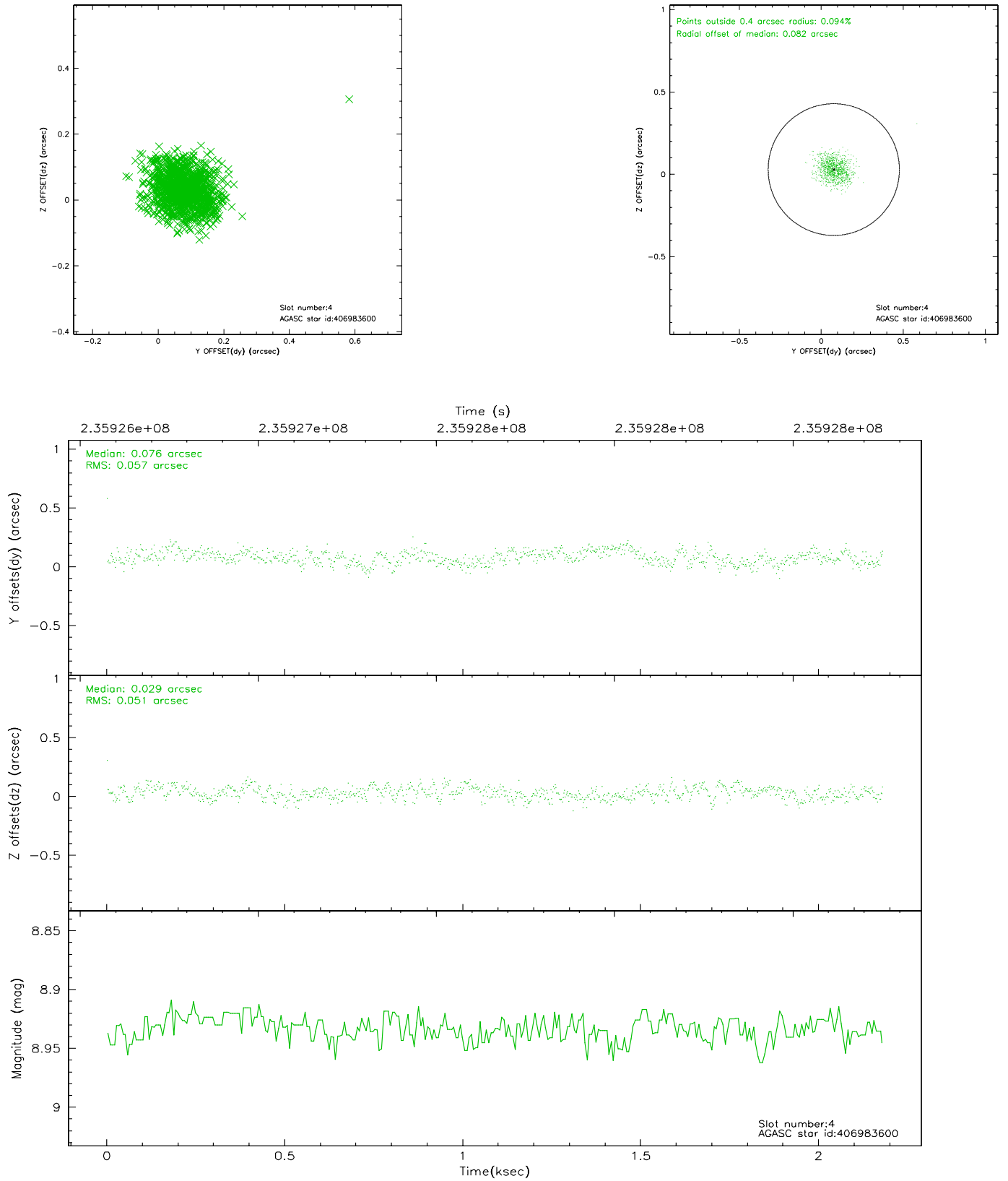


## 2.4 Star Slots

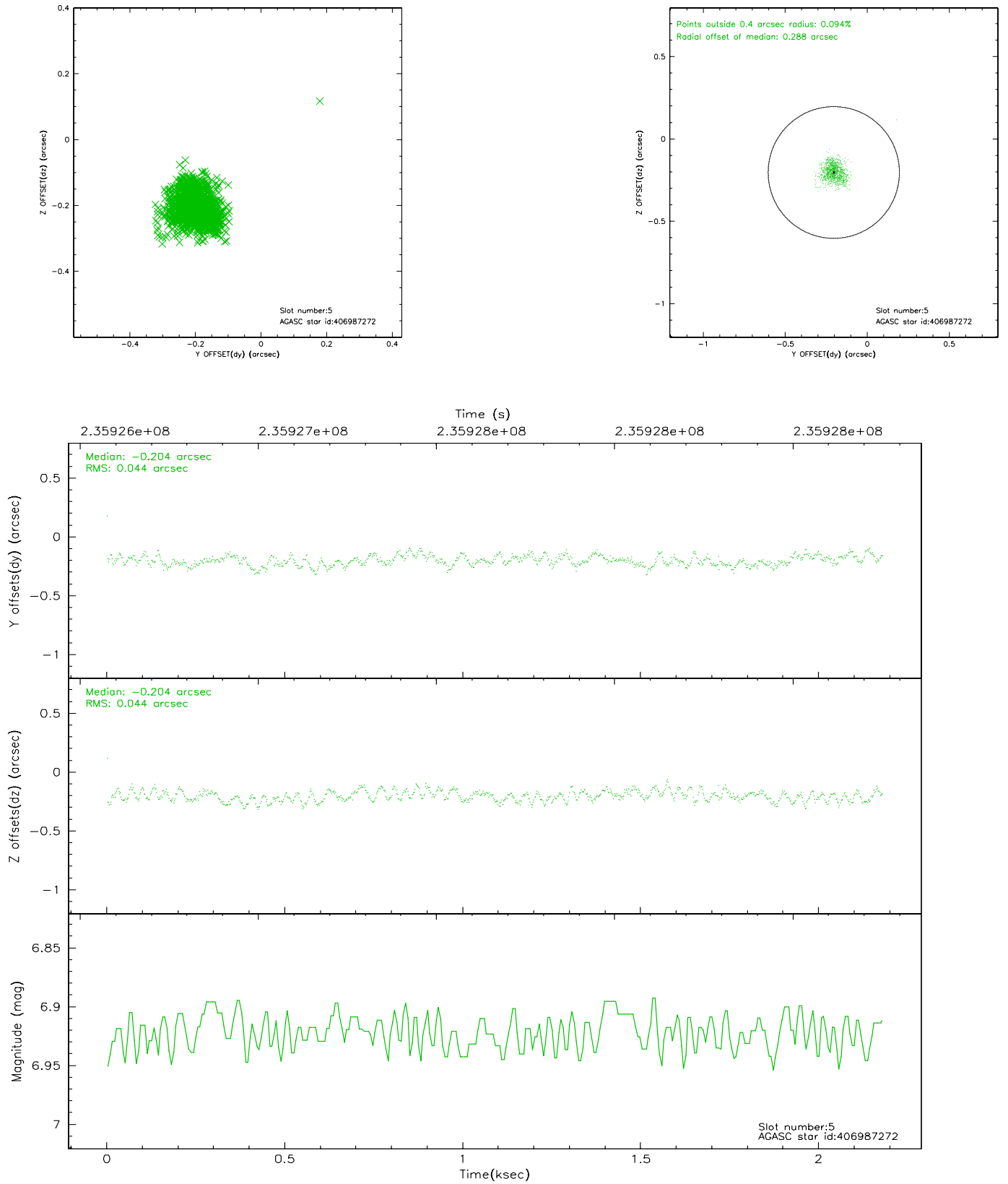
### 2.4.1 Slot 3



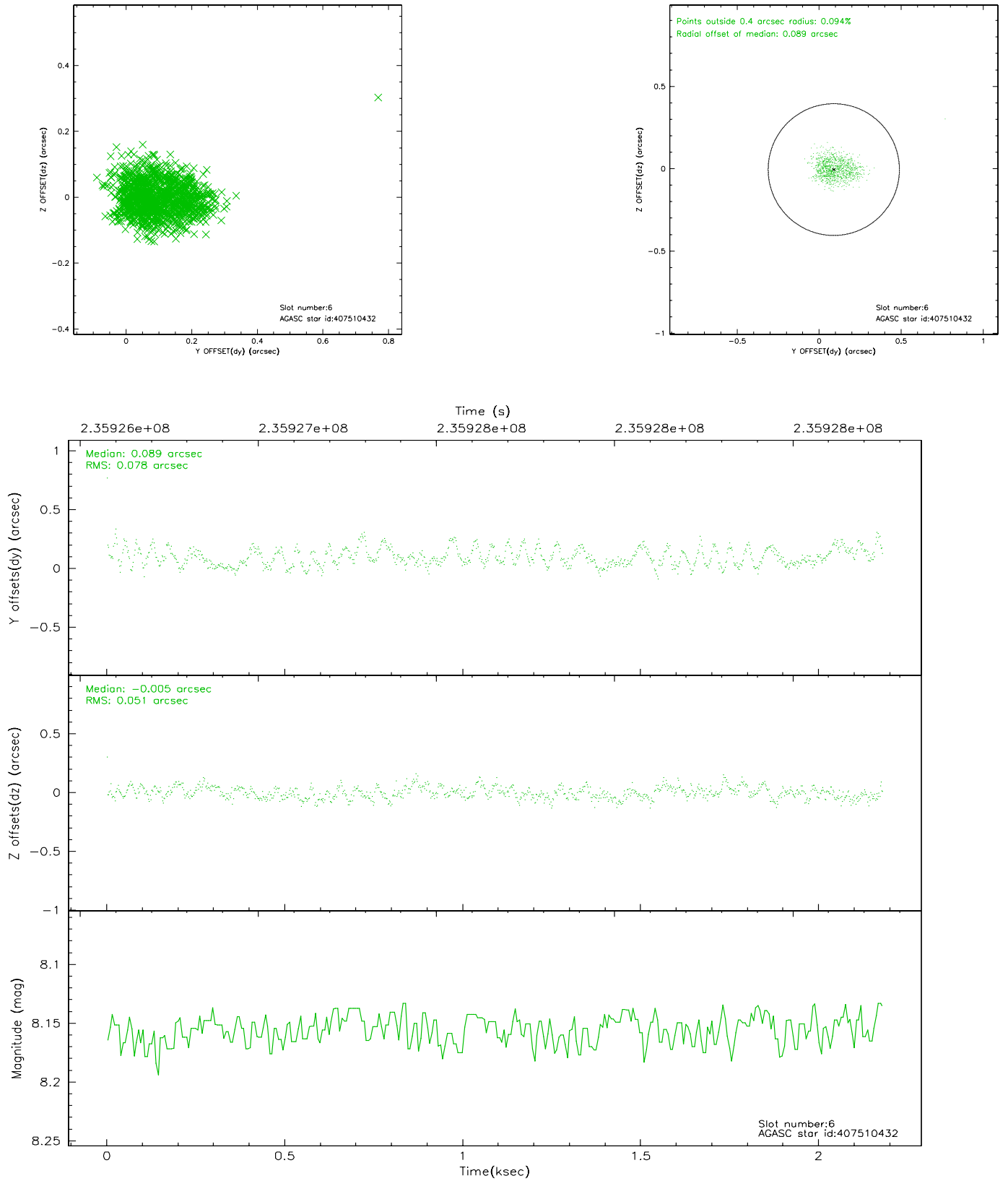
## 2.4.2 Slot 4



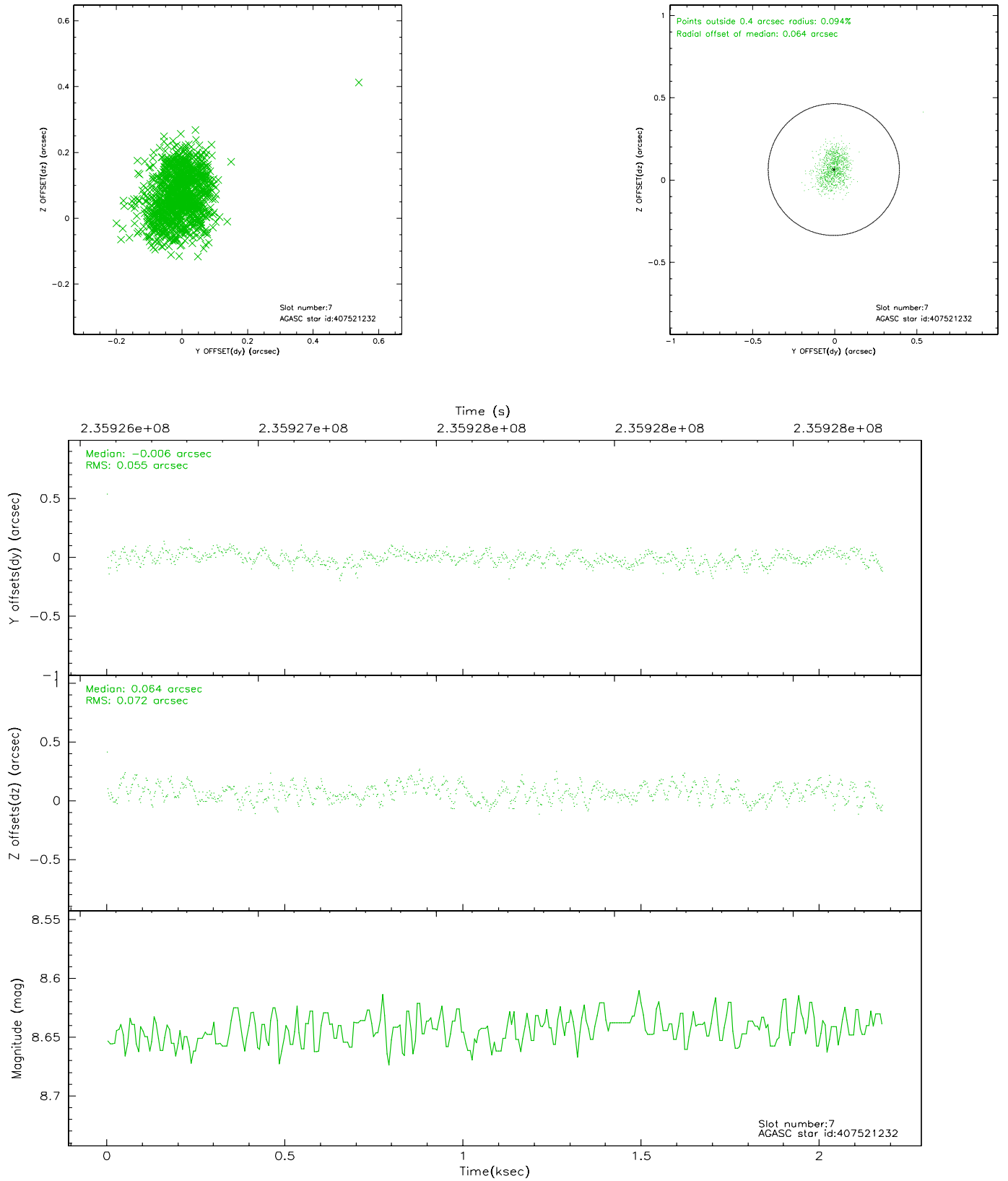
### 2.4.3 Slot 5



## 2.4.4 Slot 6

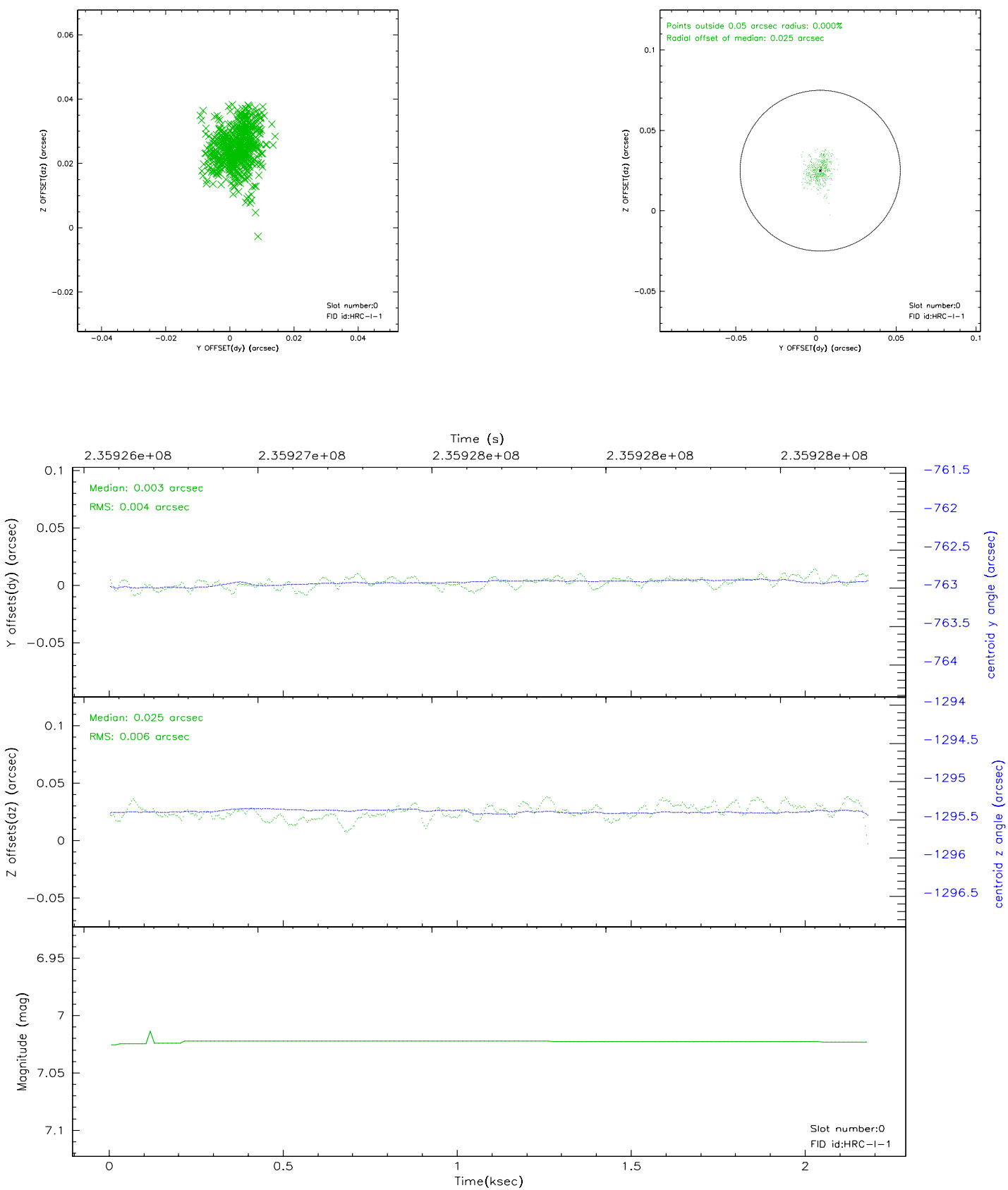


## 2.4.5 Slot 7

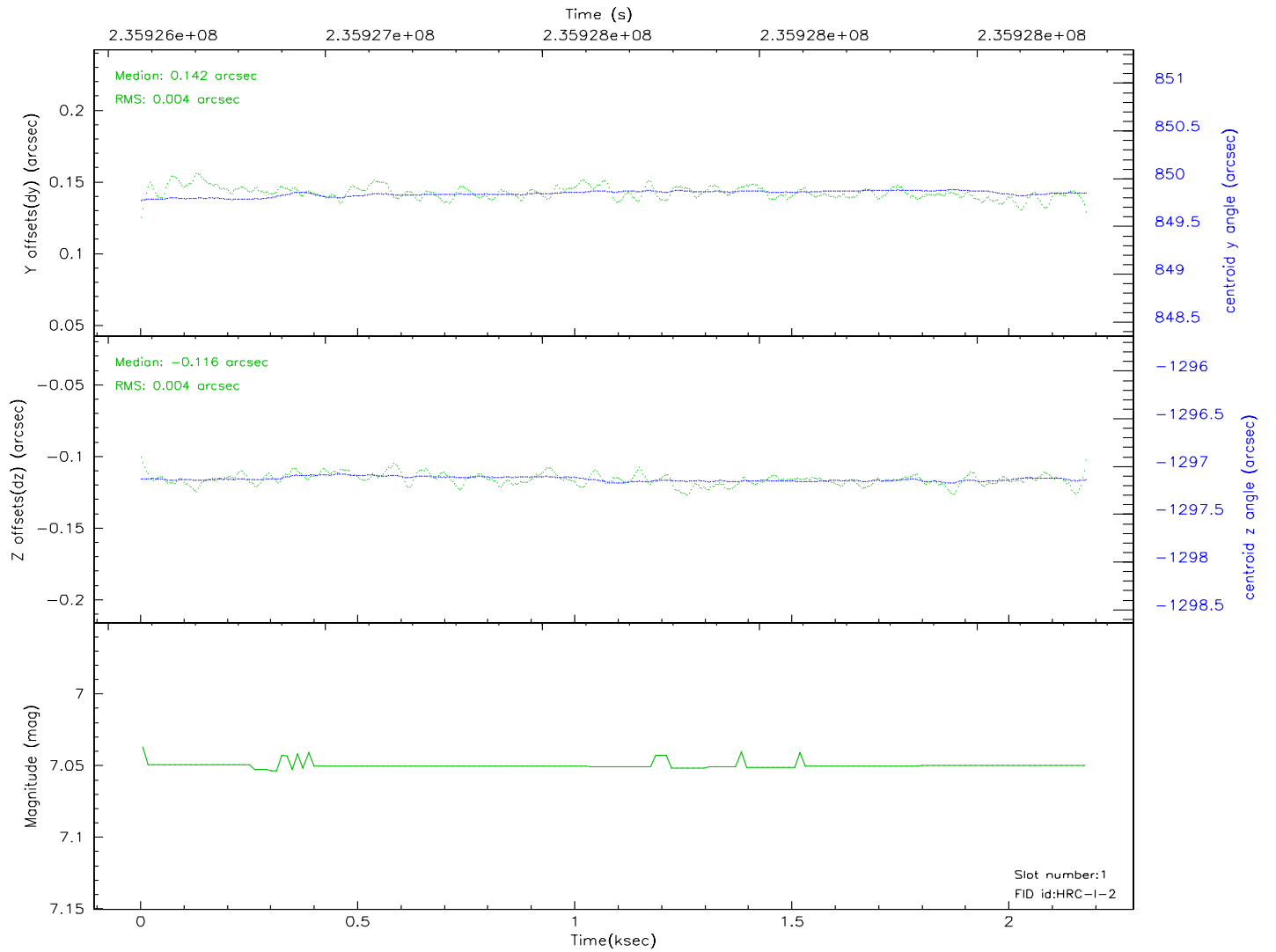
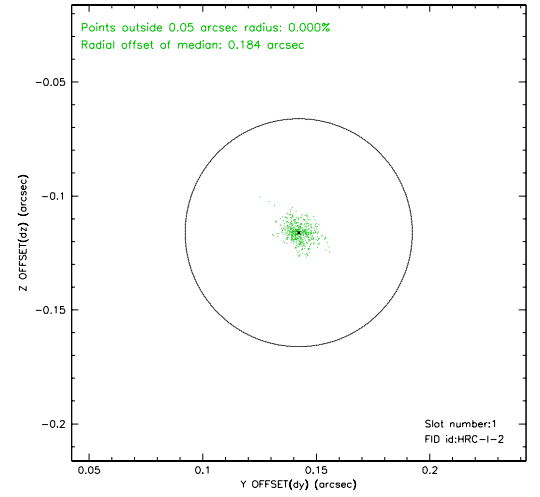
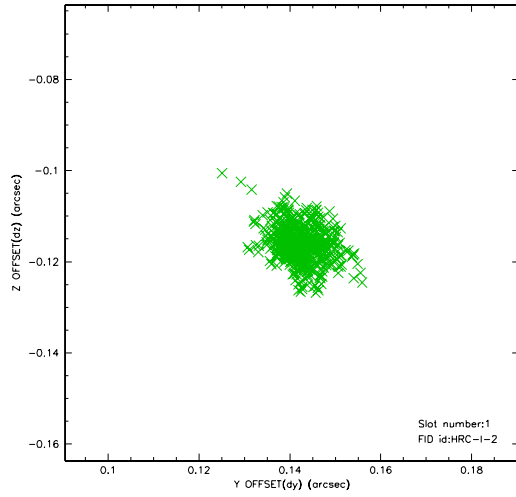


## 2.5 FID Slots

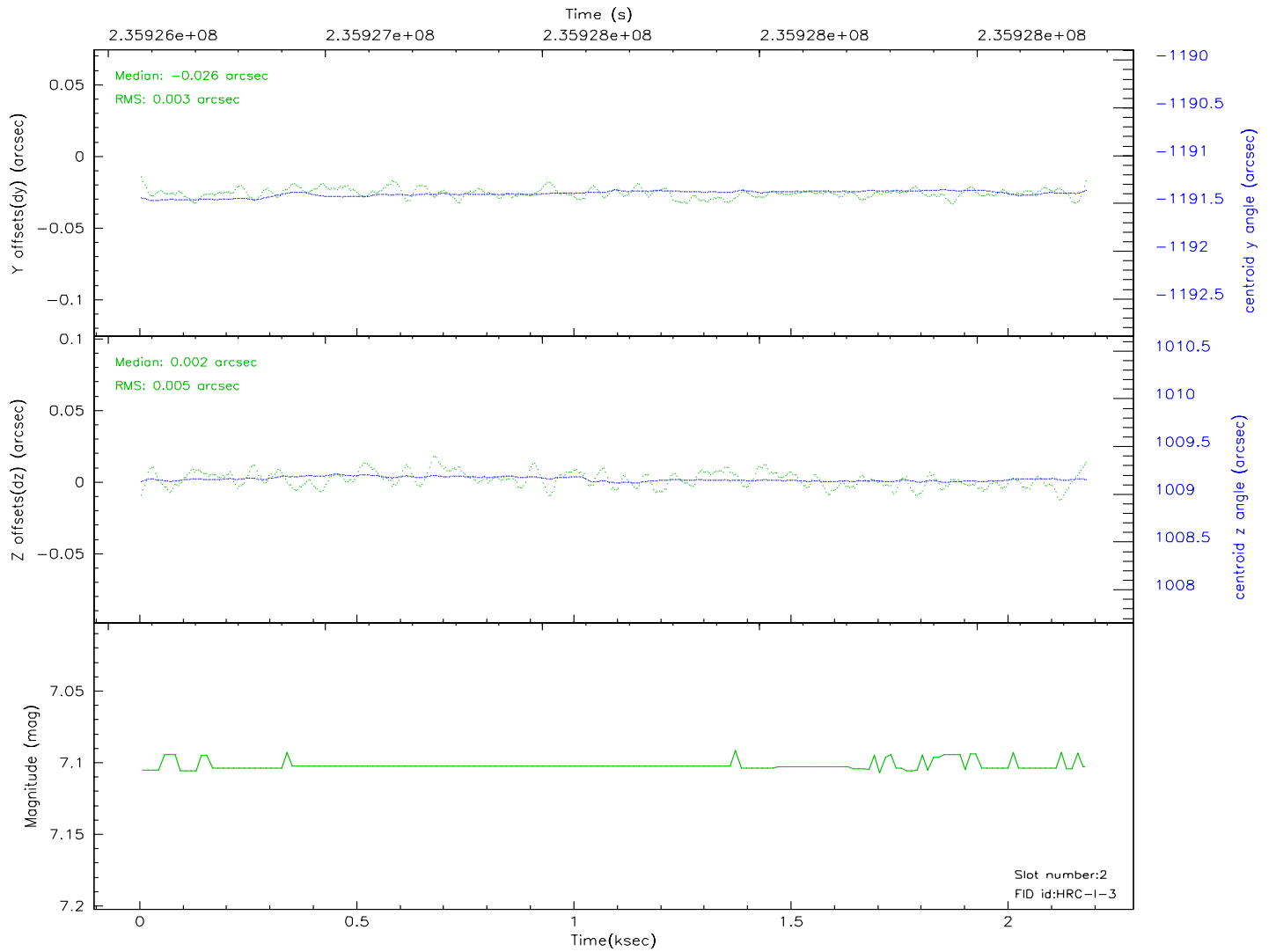
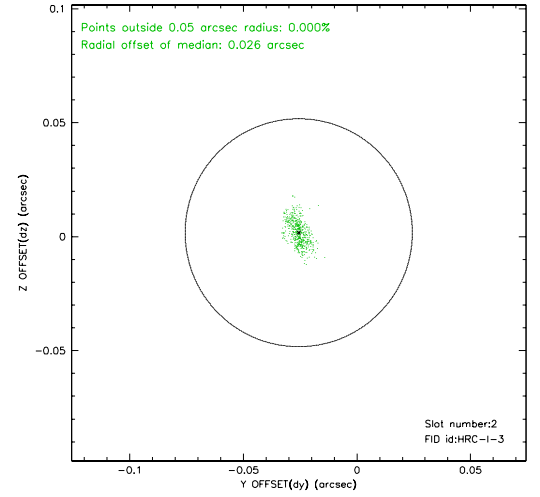
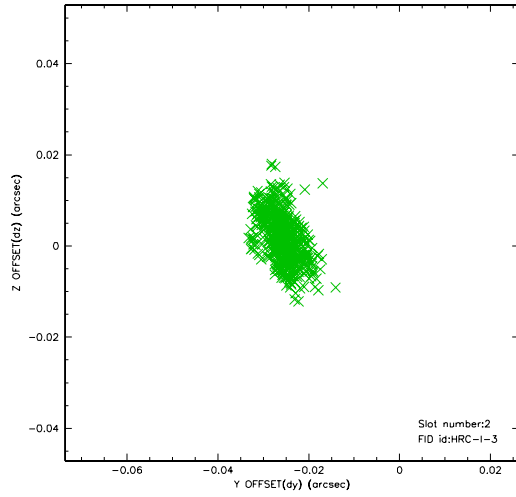
### 2.5.1 Slot 0



## 2.5.2 Slot 1

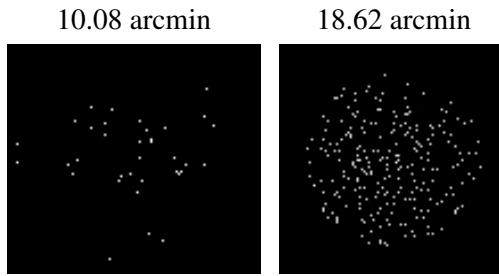


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.178381

## A.2 Comments

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.