

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 25 - L2 Version 001  
Chandra X-Ray Center

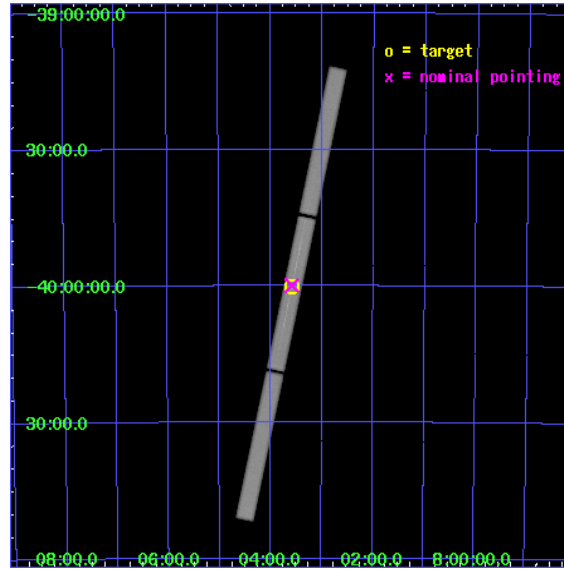
L2 Processing Date : Jun 9 2007

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# 1 Front

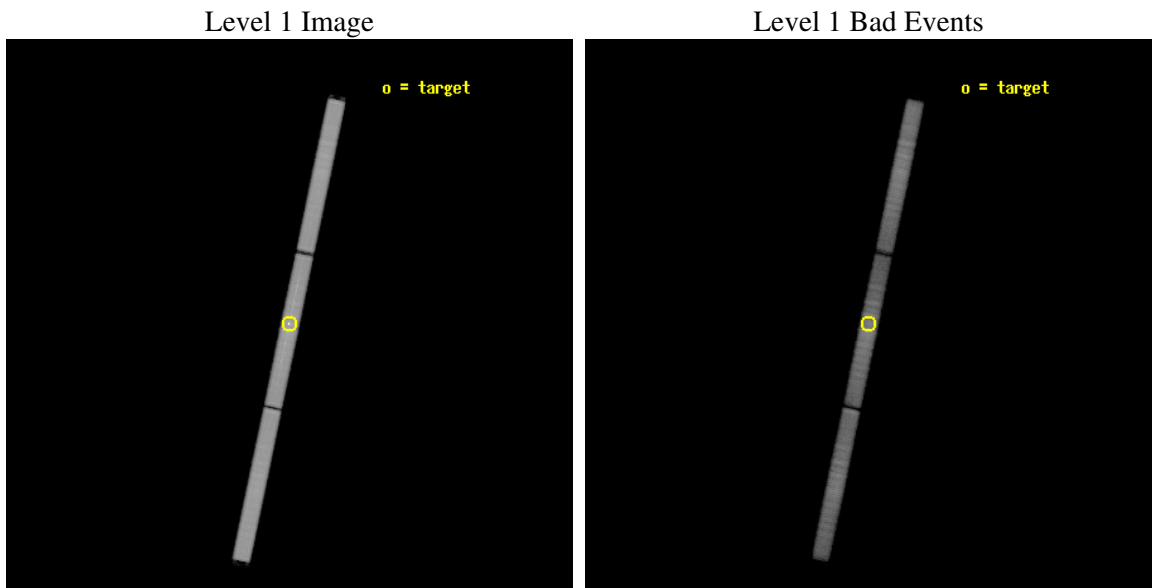
seq_num	200023
obs_id	25
title	EMISSION FROM EARLY-TYPE STARS
observer	Dr. Stephen Murray
object	Z eta Pup
ra_targ	120.89625
dec_targ	-40.00333
ra_nom	120.89519893089
dec_nom	-39.99853616987
roll_nom	101.82659838679
revision	4
ontime	24981.557191506
livetime	24849.710424774
l2events	936836



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-09T14:47:59
revision	4

sched_exp_time	25000.000000
ontime	24981.557192504
l1events	1470792

### 2.1.3 Events

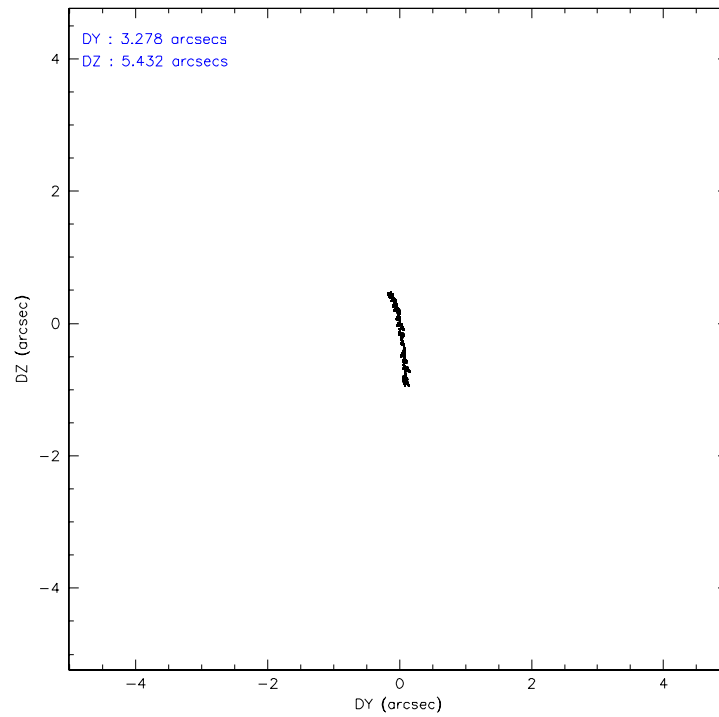
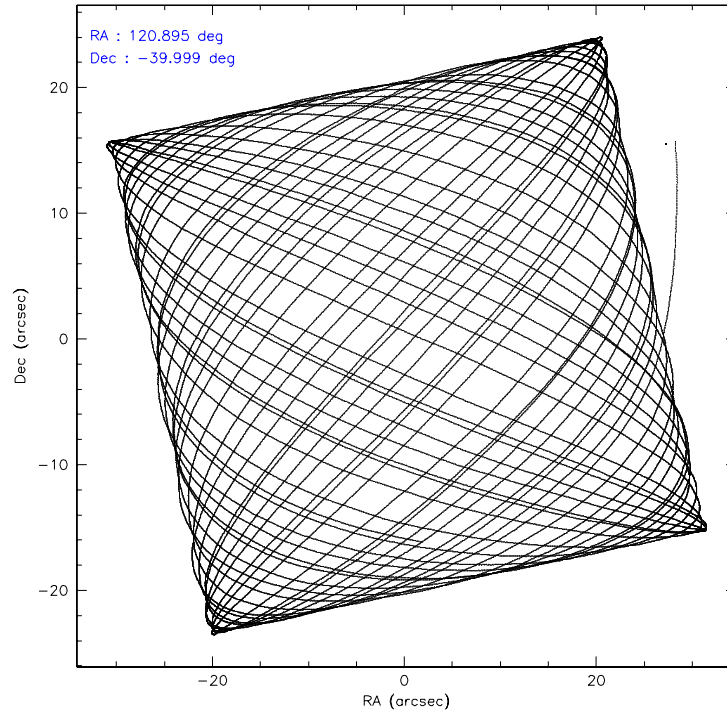
Level 1 Events

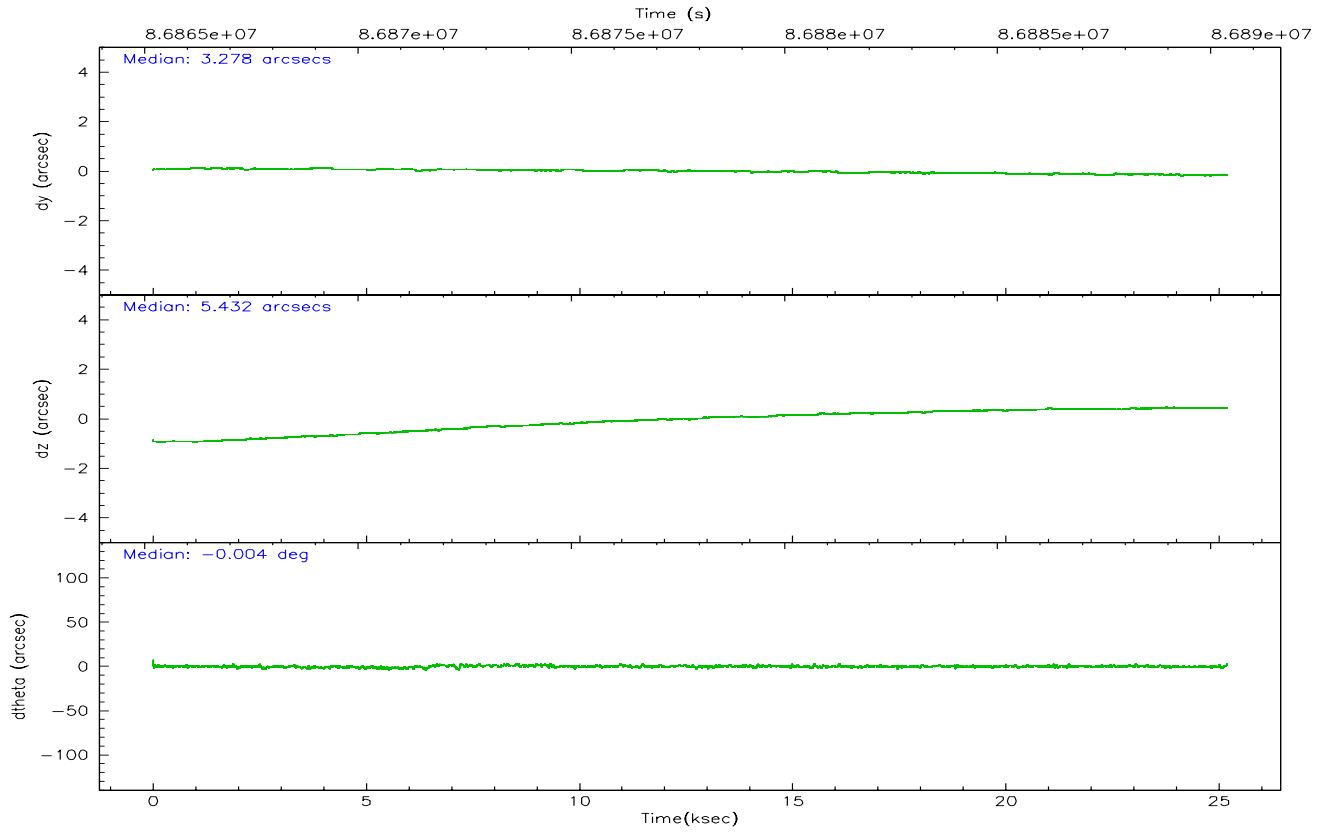
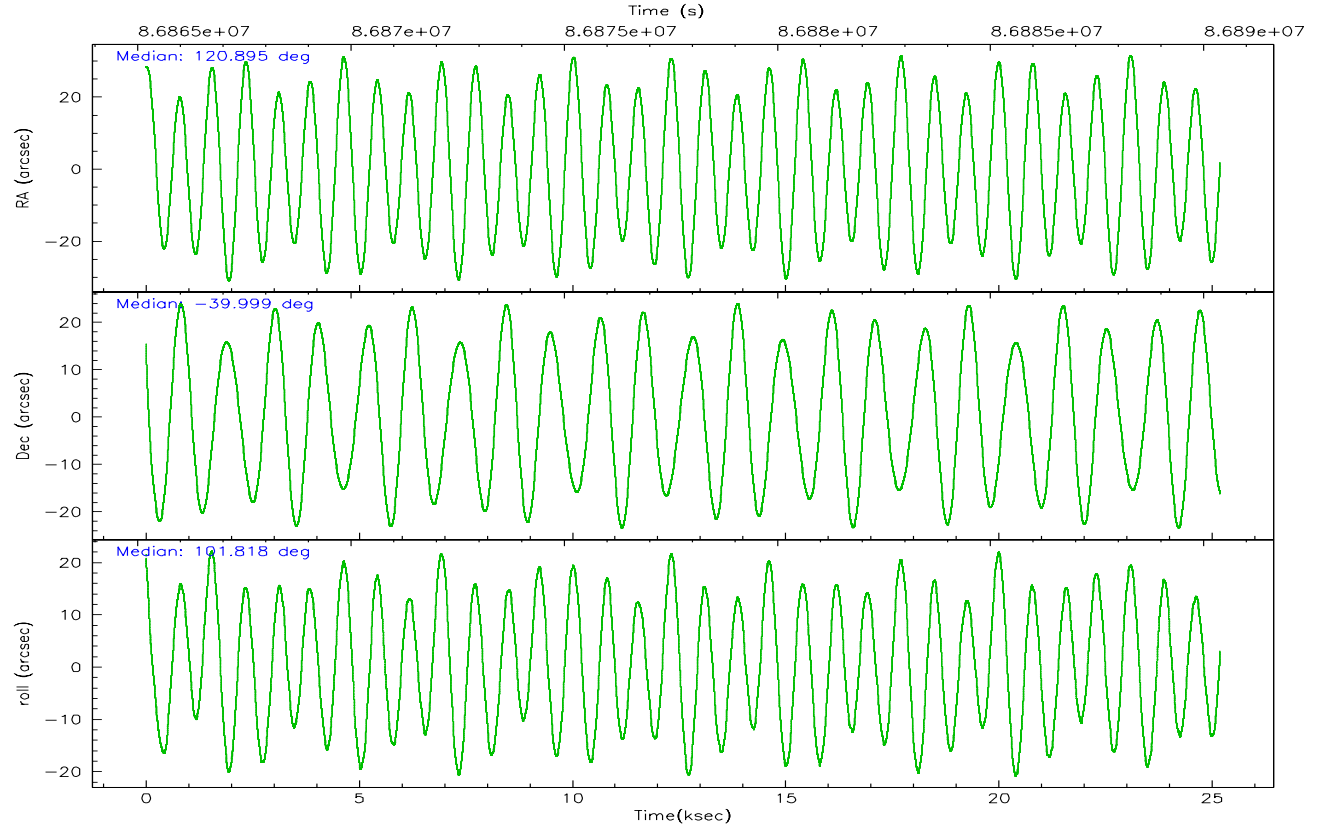
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	488268	491164	491360
rejected events	121837	130085	147817
rejected %	24%	26%	30%

## 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	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	120.921430	120.8951989308902			
Pointing Dec	-40.019062	-39.99853616987003			
Pointing Roll	101.776120	101.8265983867882			
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	86865381.184000	86864628.37856001			
Observation start date	2000-10-02T09:15:17	2000-10-02T09:03:48			
Observation end time	86890381.184000	86890515.77953701			
Observation end date	2000-10-02T16:11:57	2000-10-02T16:15:15			

## 2.3 Aspect





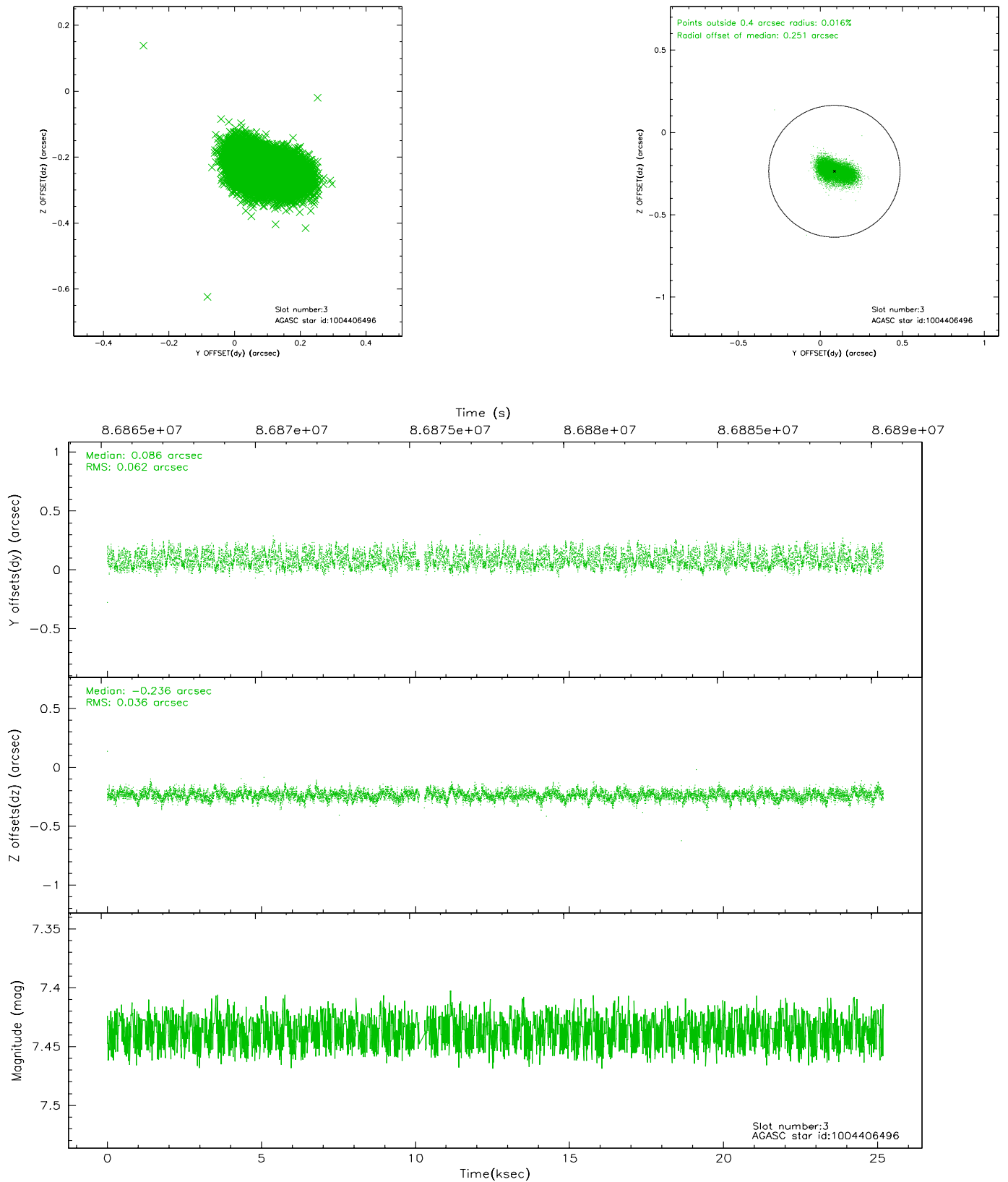
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	6144	0.161	-0.105	0.005	0.011	0.000000	0.000000	-1157.29	-453.83
1	FID	HRC-S-2	7.00	6144	0.102	-0.140	0.012	0.021	0.000000	0.000000	1242.14	-446.56
2	FID	HRC-S-4	6.96	6142	0.141	-0.059	0.011	0.021	0.000000	0.000000	1241.14	578.25
3	GUIDE	1004406496	7.44	12205	0.086	-0.236	0.078	0.123	120.210035	-40.527356	-1402.33	2280.04
4	GUIDE	1004434672	9.31	12283	-0.016	-0.082	0.095	0.165	120.272530	-40.020944	351.48	1753.93
5	GUIDE	1004435080	9.01	12282	-0.146	0.105	0.075	0.120	121.357562	-39.510372	1542.56	-1558.77
6	GUIDE	1004423416	9.16	12287	0.133	0.139	0.079	0.130	121.507371	-40.465709	-1906.58	-1242.35
7	GUIDE	1004434400	9.40	12263	-0.057	0.073	0.090	0.144	121.260742	-39.526654	1541.10	-1283.85

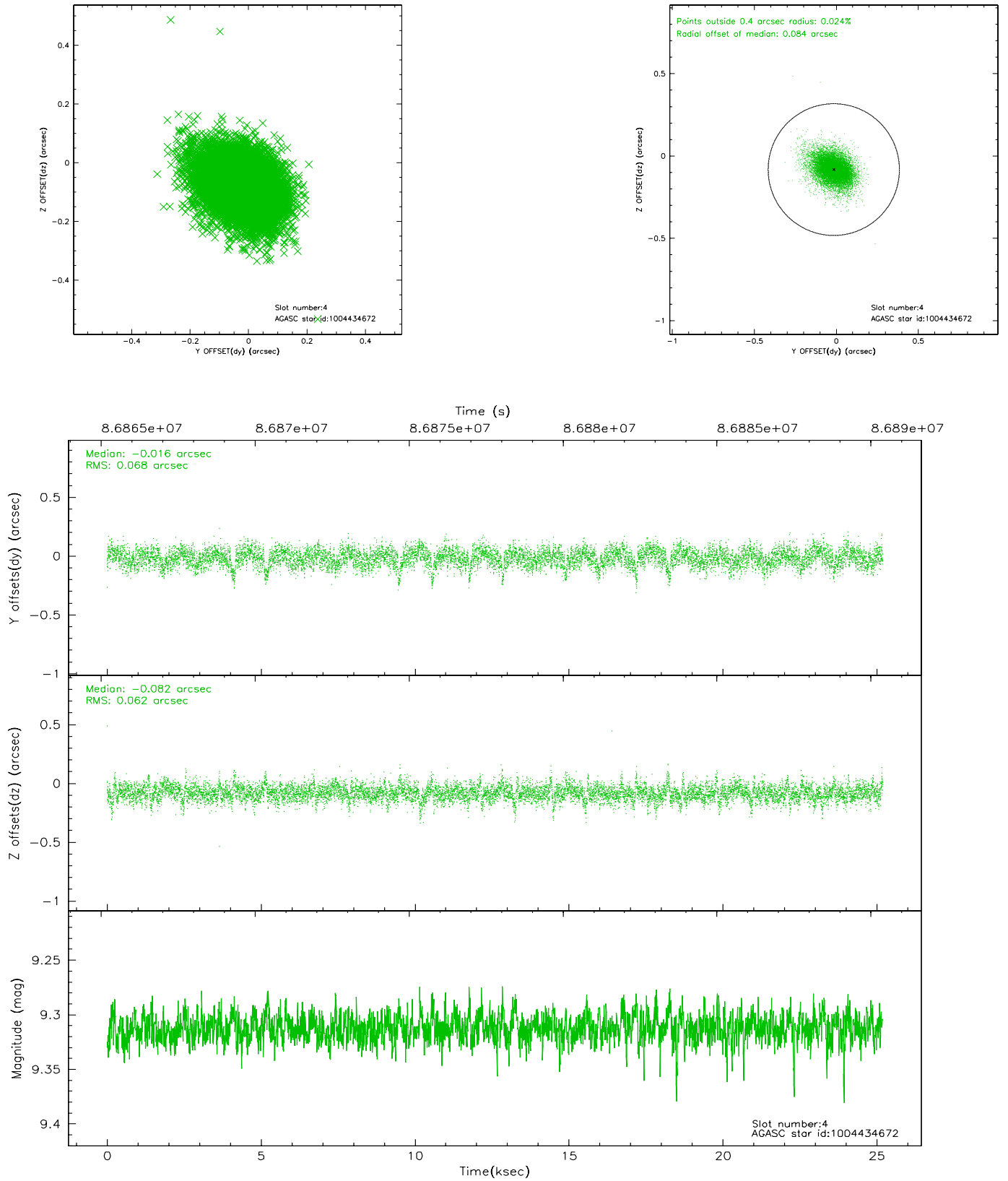


## 2.4 Star Slots

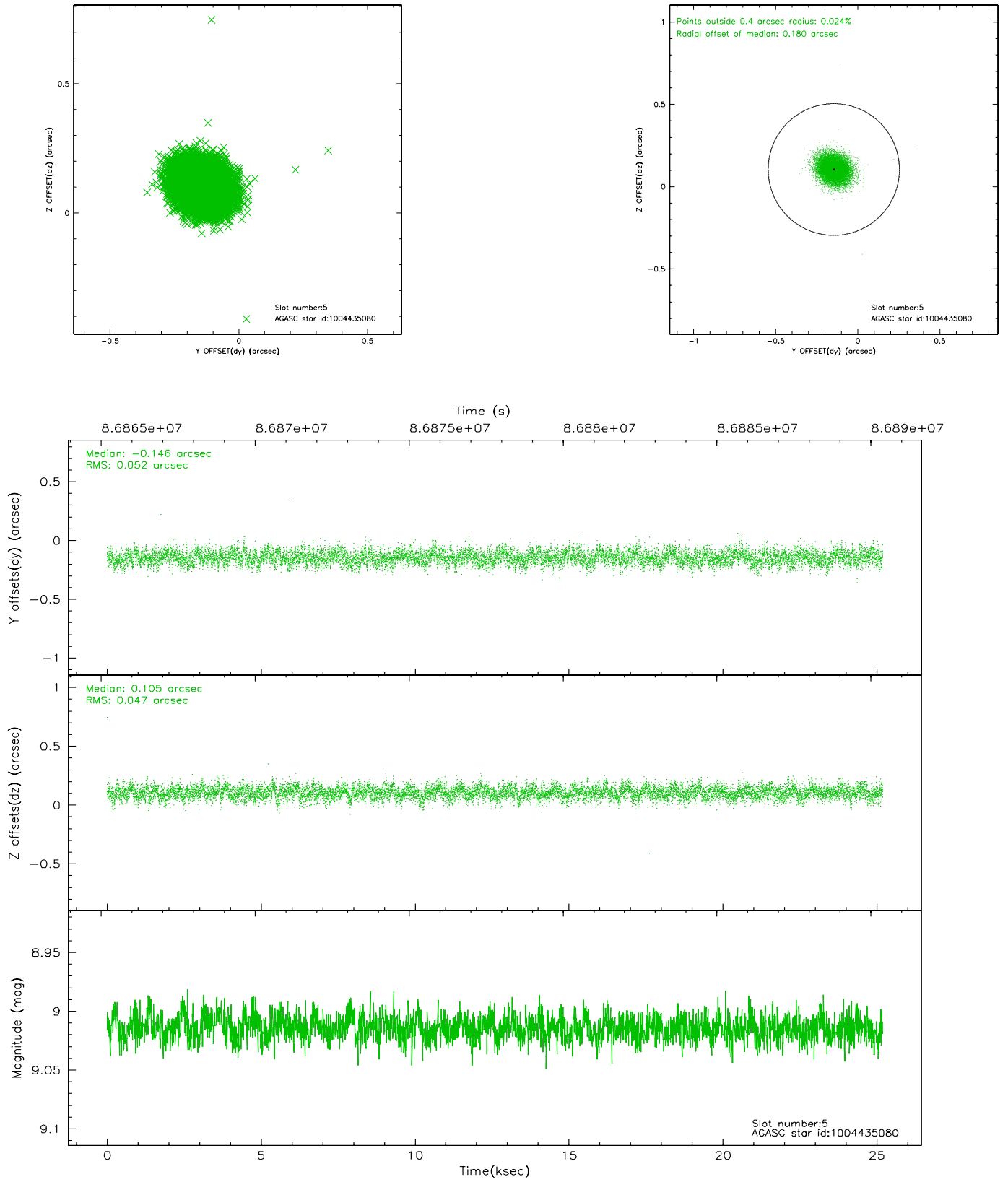
### 2.4.1 Slot 3



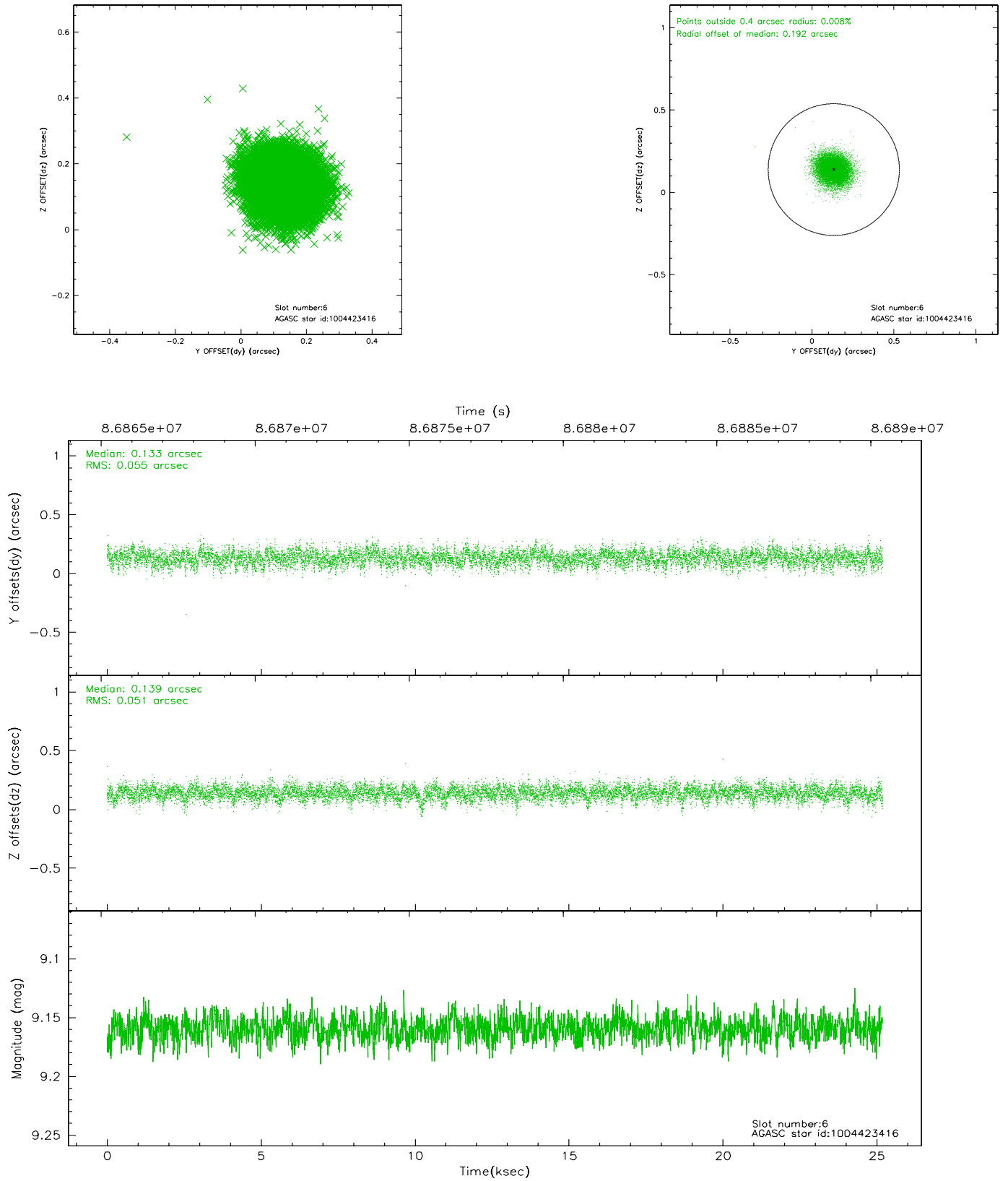
## 2.4.2 Slot 4



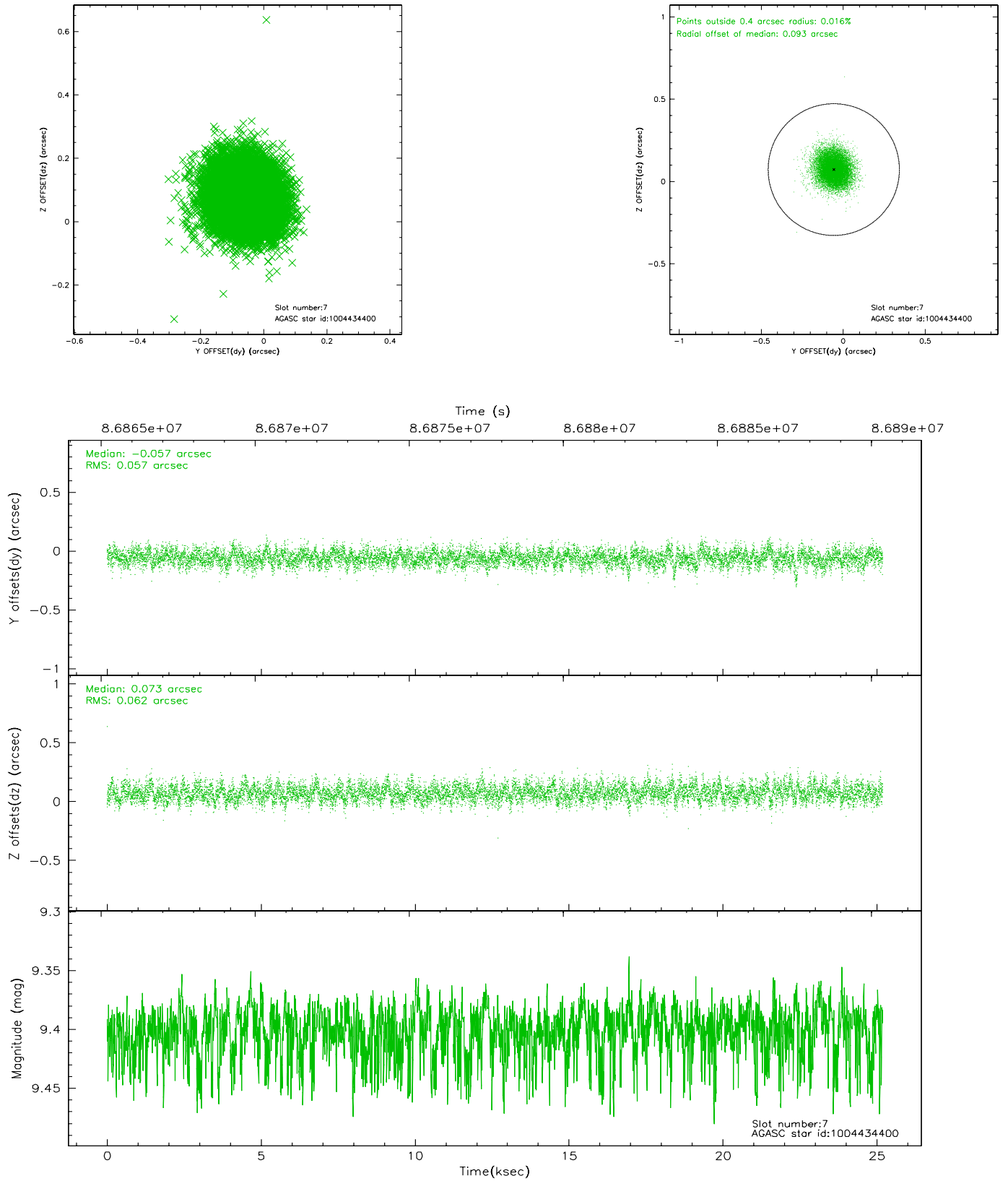
### 2.4.3 Slot 5



## 2.4.4 Slot 6

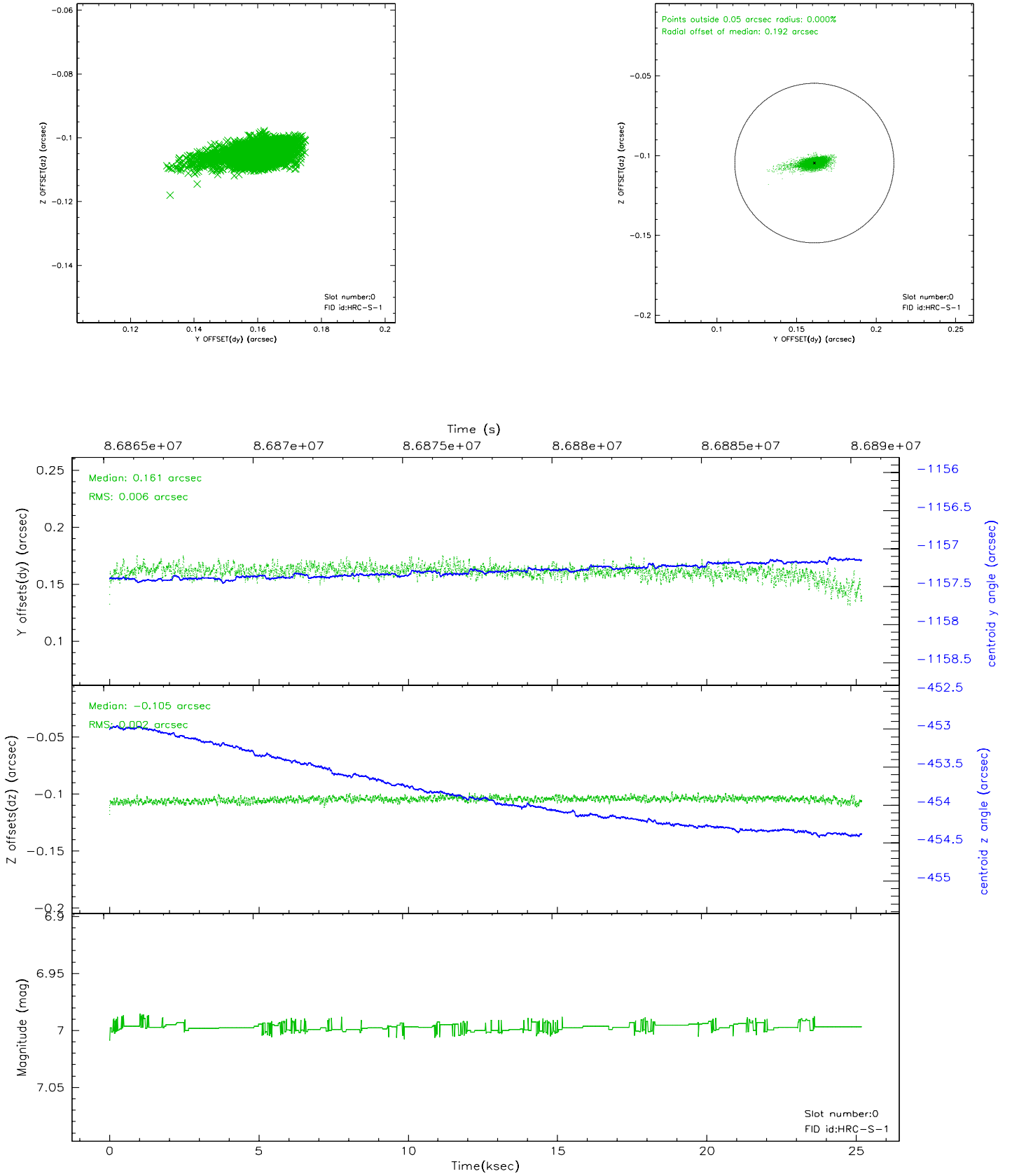


## 2.4.5 Slot 7

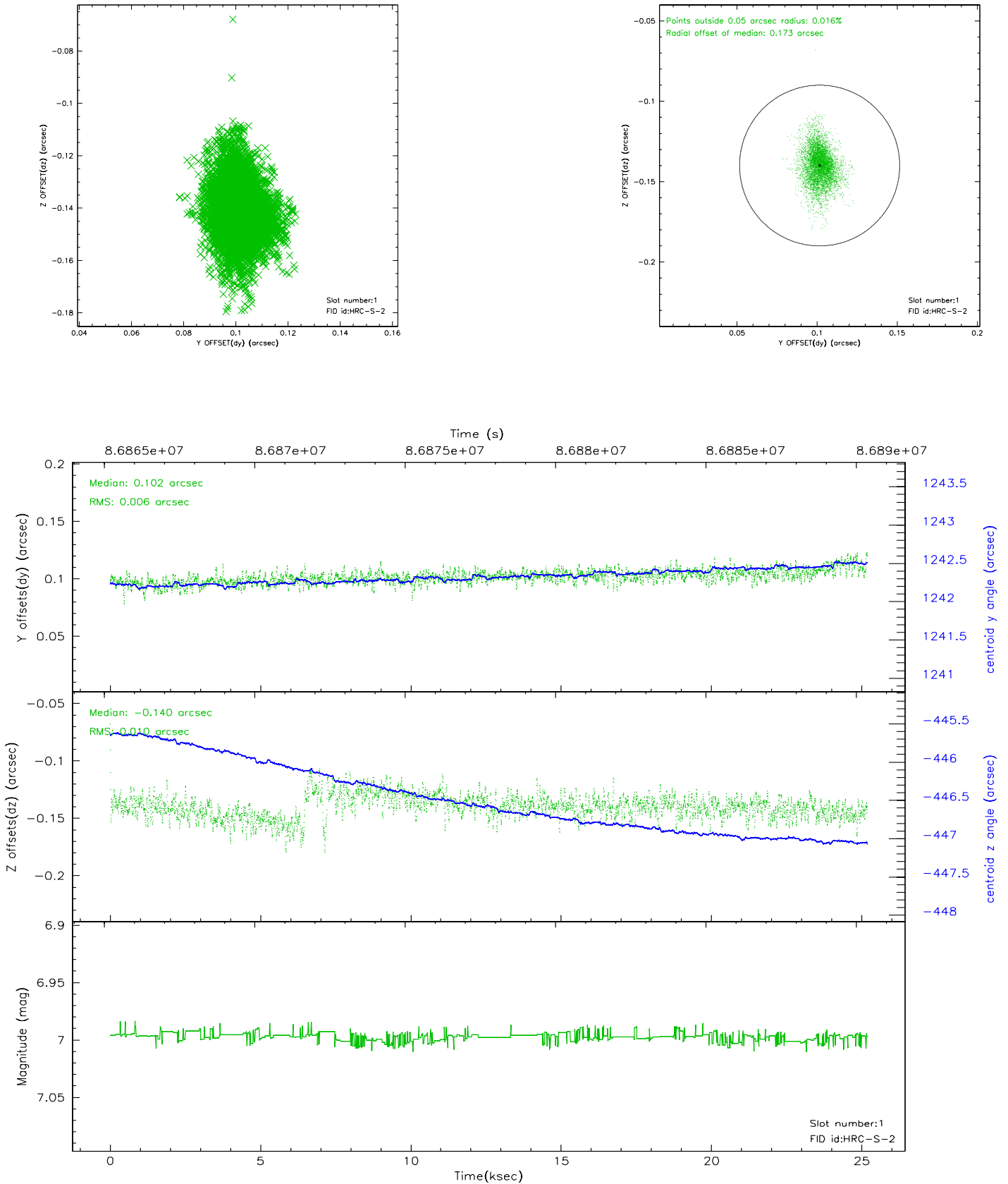


## 2.5 FID Slots

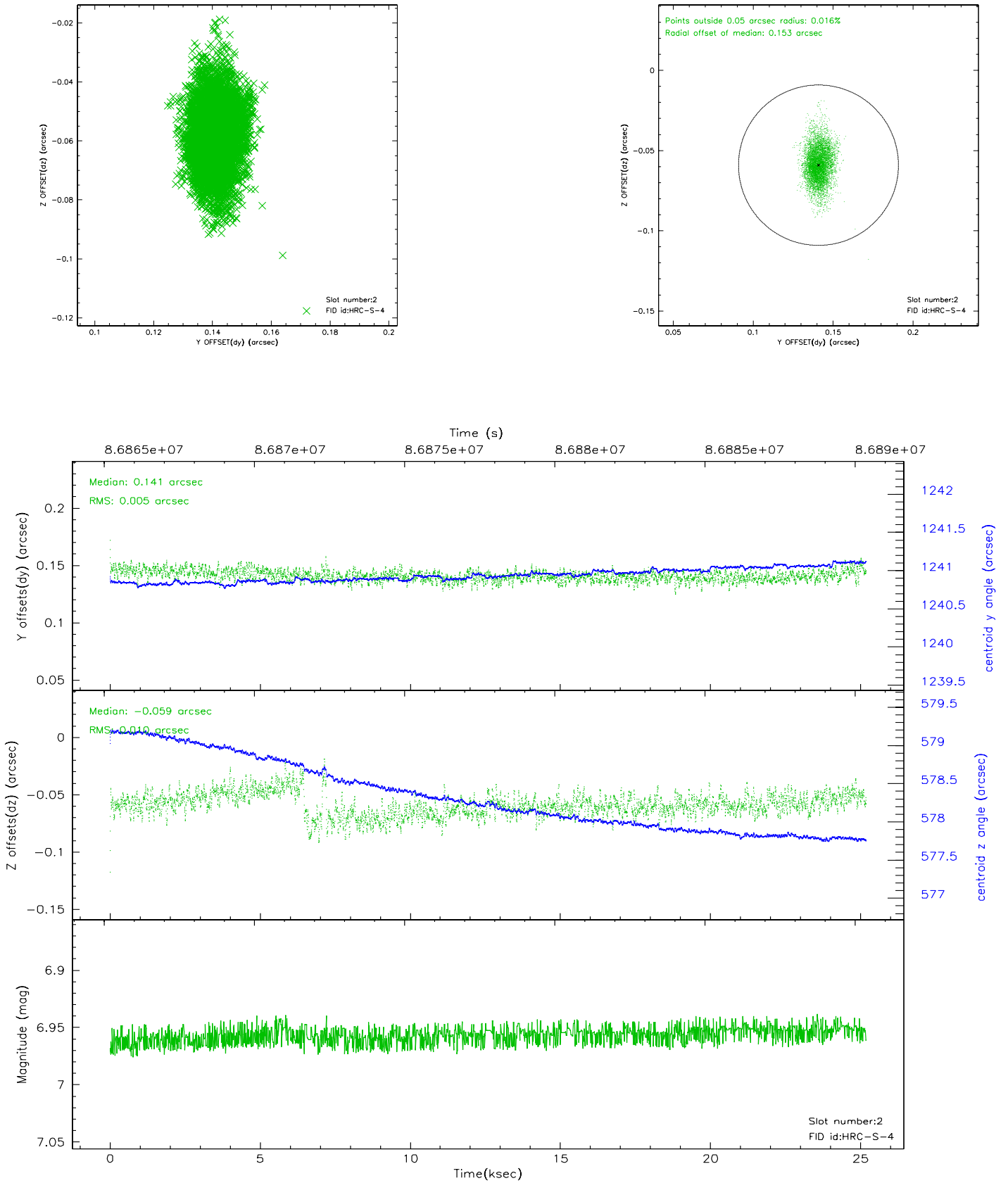
### 2.5.1 Slot 0



## 2.5.2 Slot 1



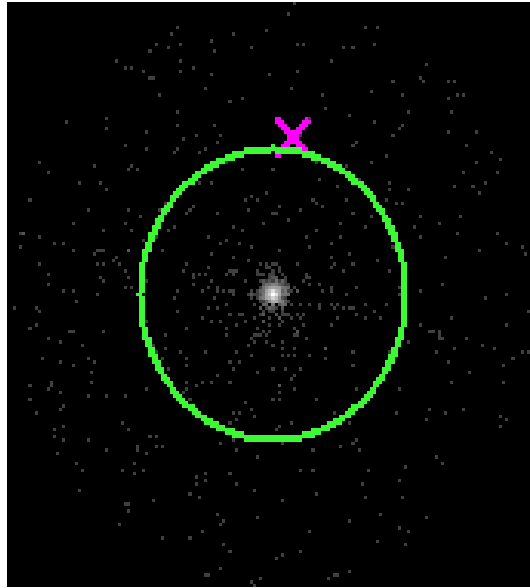
### 2.5.3 Slot 2



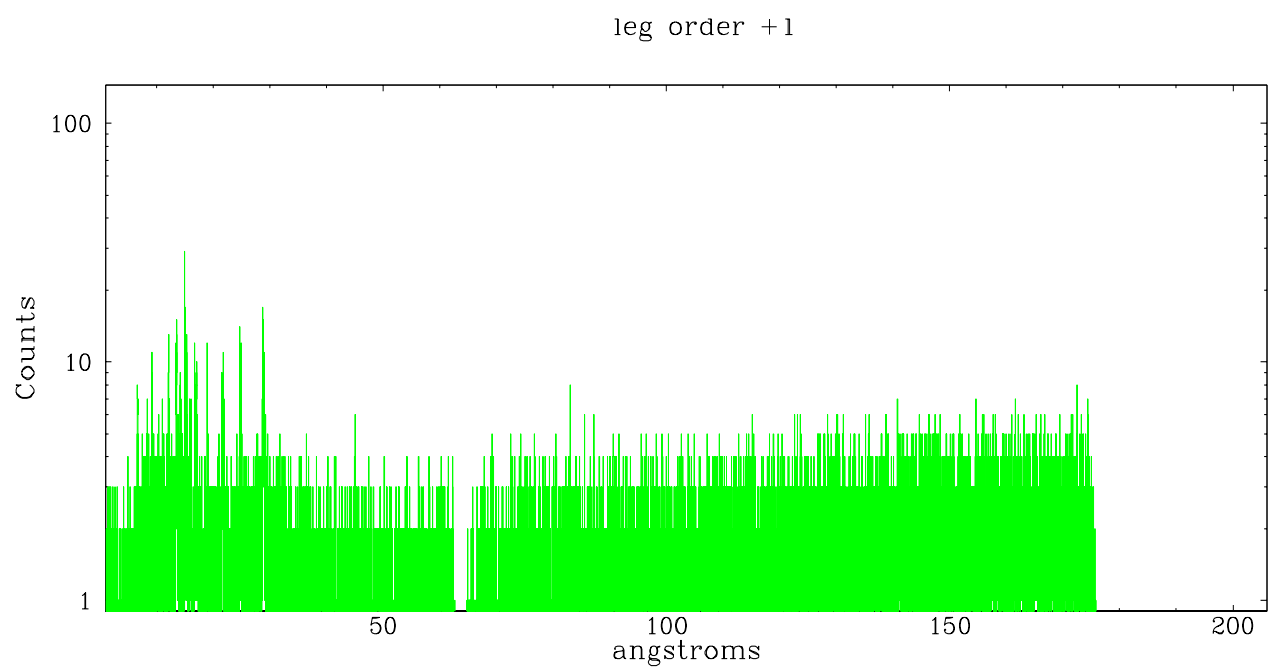
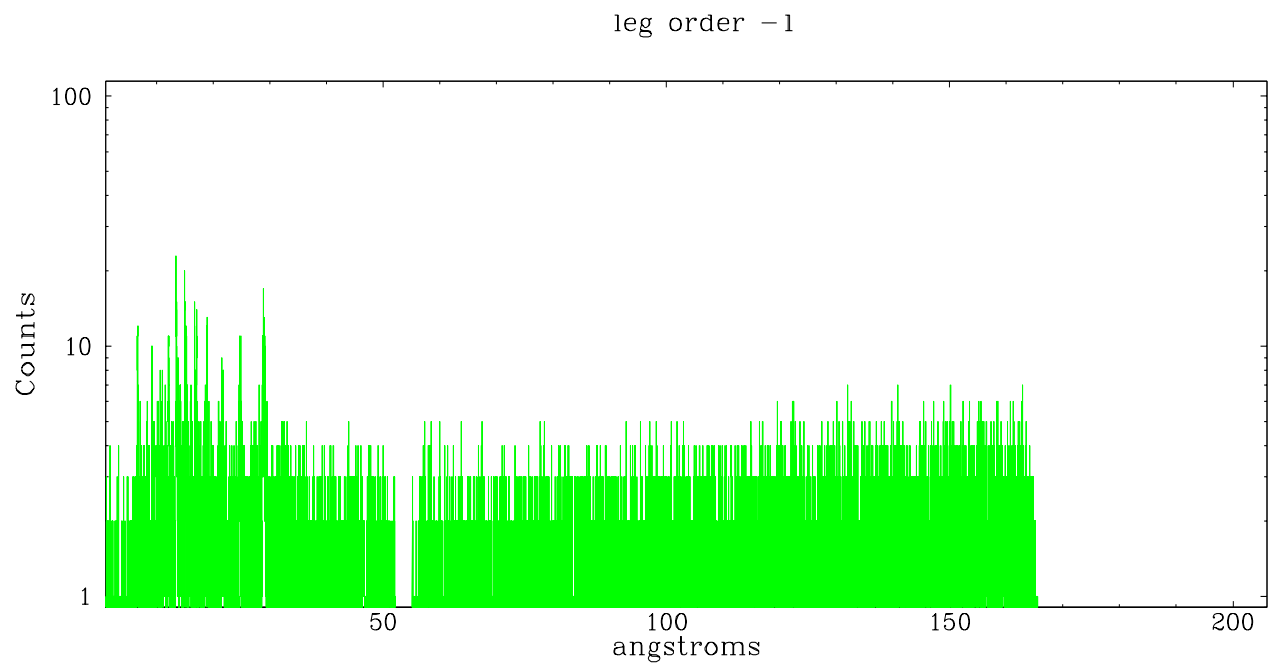


## 3 Gratings

### 3.1 LETG Arm



LETG Zero Order



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.973

### A.2 Comments

There are a few spikes in count rate during the first 4 ksec of this observation that are due to a high radiation environment.