

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 7194 - L2 Version 002  
Chandra X-Ray Center

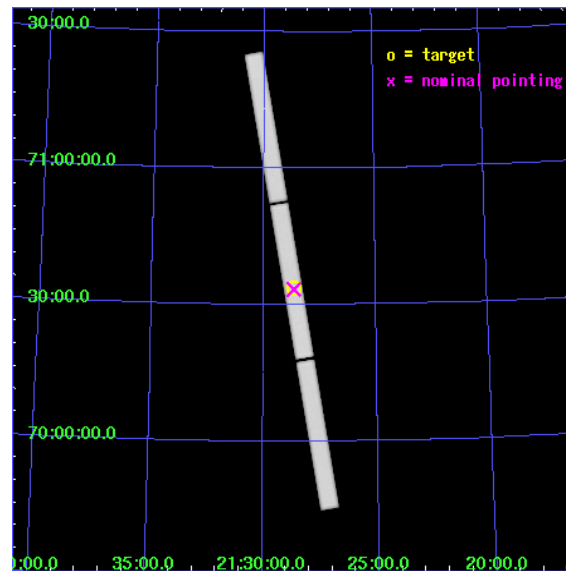
L2 Processing Date : Apr 4 2006

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# 1 Front

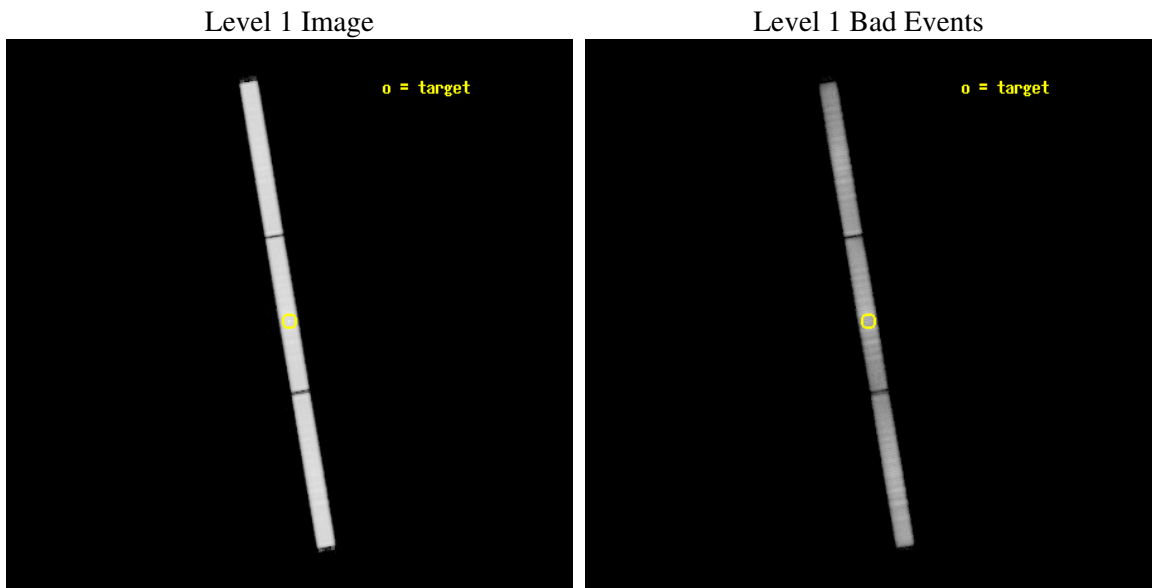
seq_num	200330
obs_id	7194
title	The location and spatial structure of the X-ray emitting plasma in the magnetically confined environment of beta Cep
observer	Dr Coralie Neiner
object	beta Cep
ra_targ	322.165
dec_targ	70.560717
ra_nom	322.16220448445
dec_nom	70.556166180257
roll_nom	260.26997770472
revision	2
ontime	38174.333010674
livetime	37895.024760238
l2events	2278010



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-04T13:21:05
revision	2

sched_exp_time	38000.000000
ontime	38175.101760685
l1events	3322498

### 2.1.3 Events

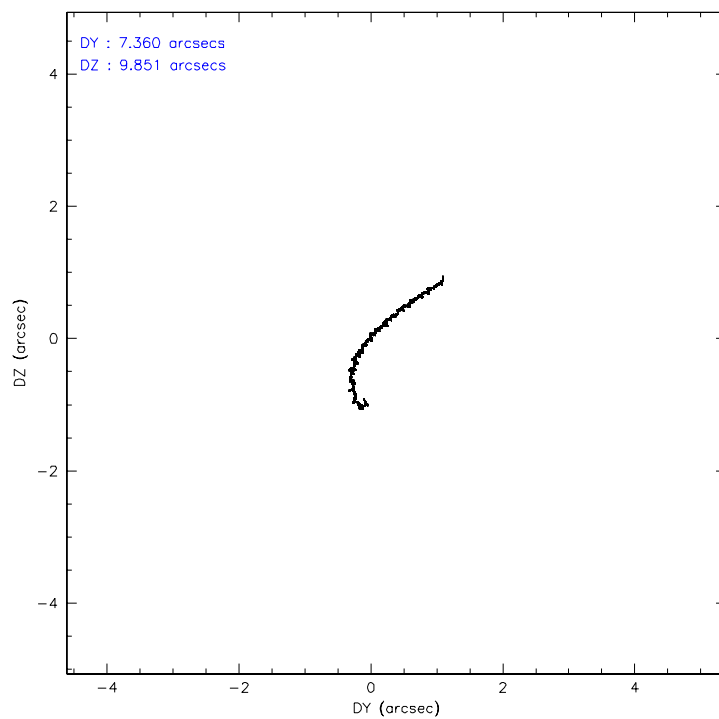
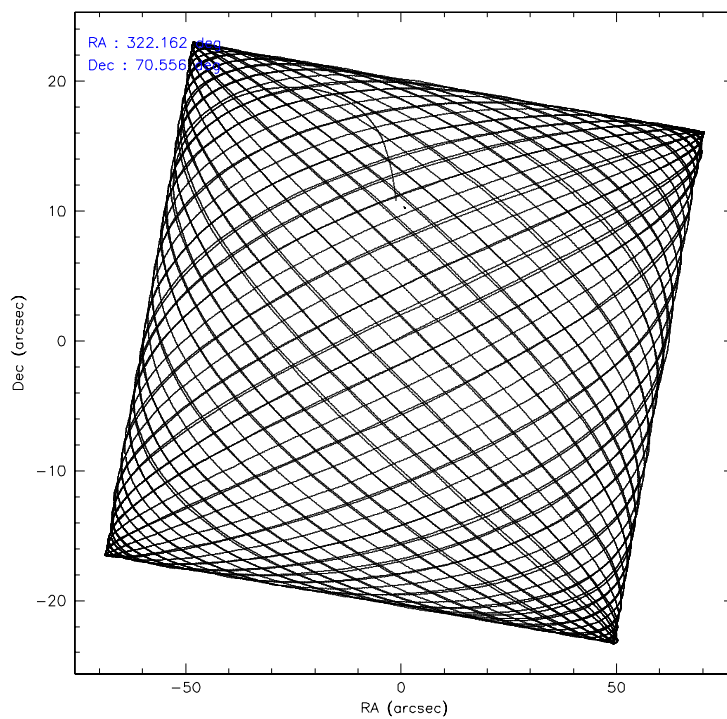
Level 1 Events

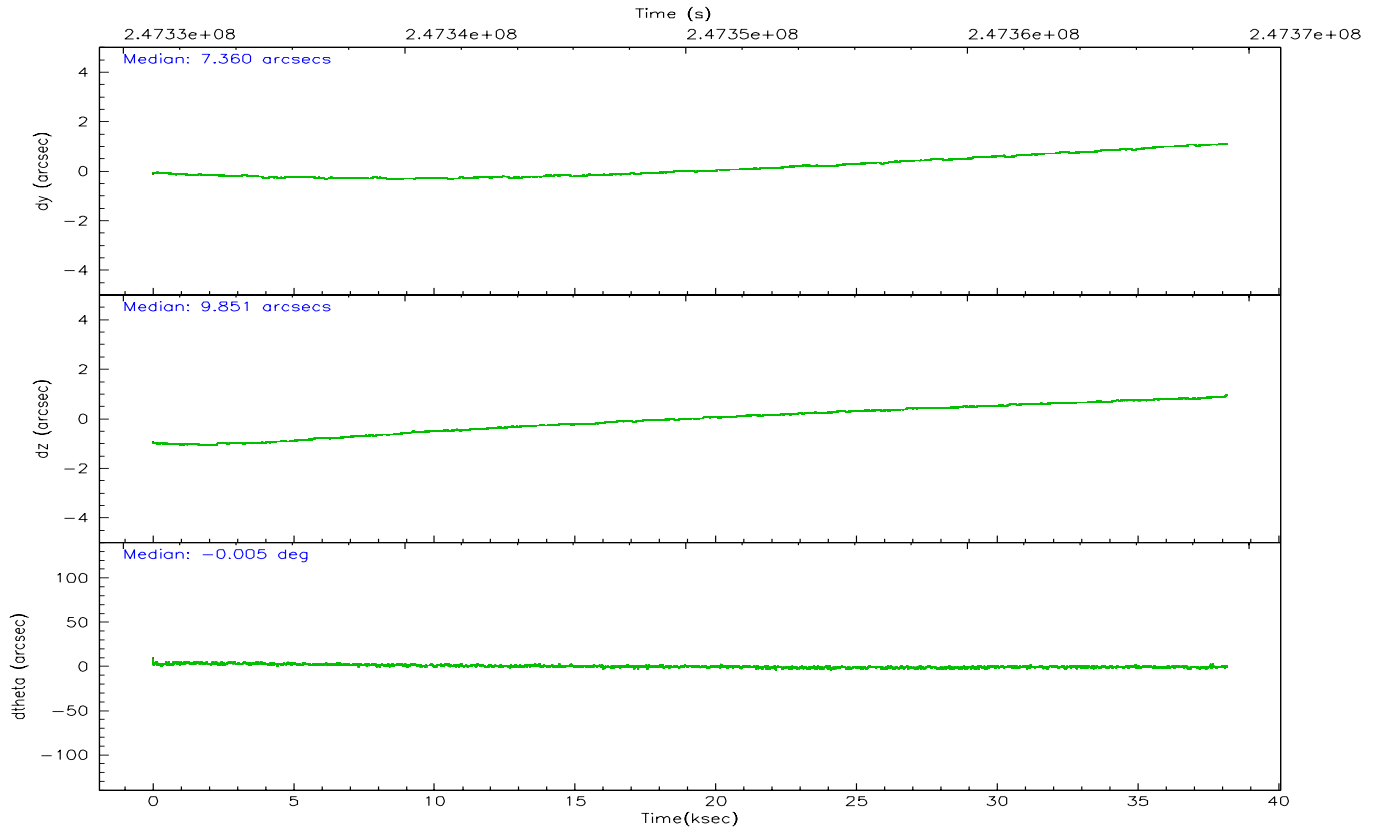
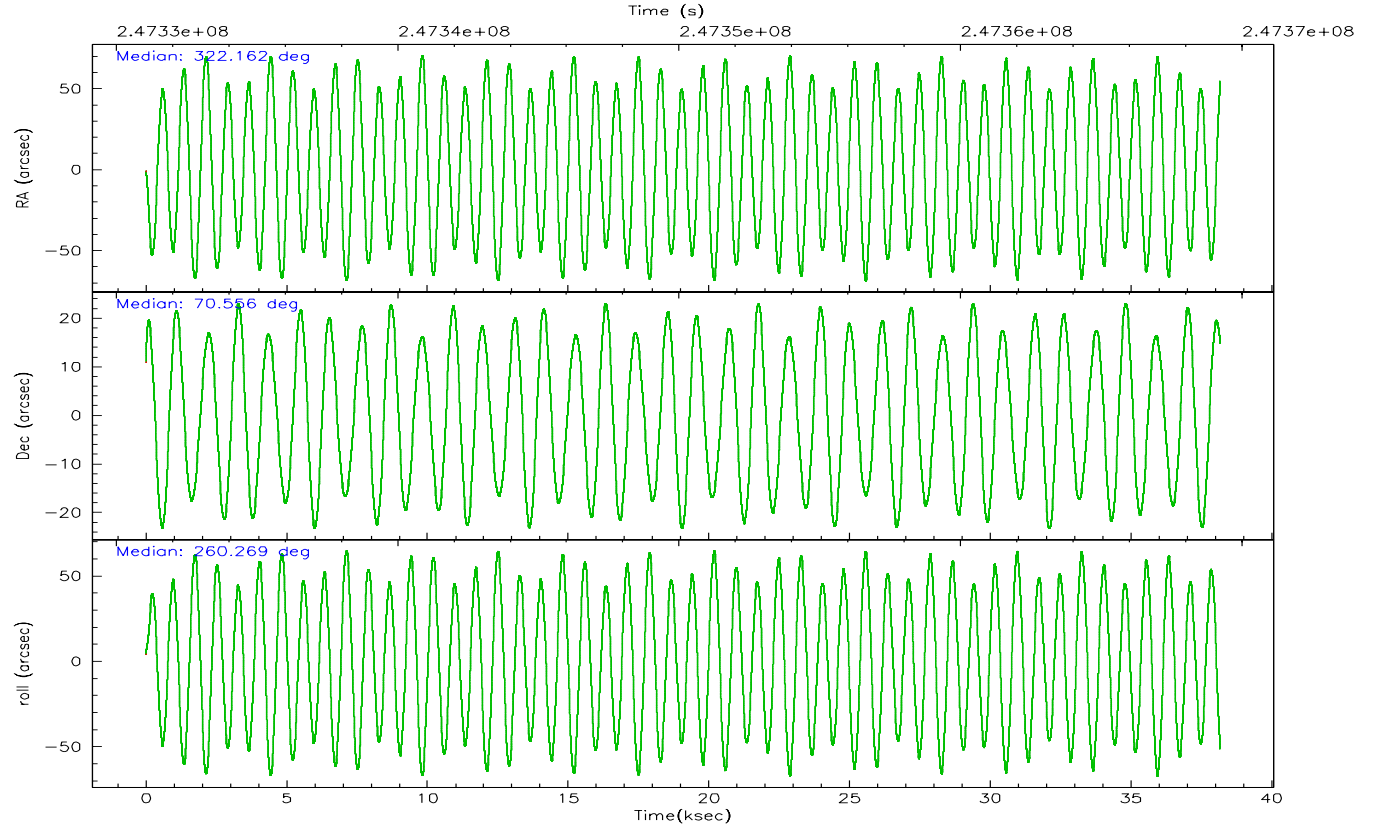
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1114556	1095384	1112558
rejected events	223749	248184	269542
rejected %	20%	22%	24%

## 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	322.128446	322.1622044844471			
Pointing Dec	70.582433	70.55616618025665			
Pointing Roll	260.234471	260.2699777047201			
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			
Phase constraints	Y	Y			
Phase period	12.000750	12.000750			
Phase epoch	53962.310000	53962.310000			
Phase start	0.216245	0.216245			
Phase end	0.283755	0.283755			
Phase start error	0.020000	0.020000			
Phase end error	0.020000	0.020000			
Observation start time	247331231.184000	247330284.4788			
Observation start date	2005-11-02T15:06:07	2005-11-02T14:51:24			
Observation end time	247369231.184000	247369936.60563			
Observation end date	2005-11-03T01:39:27	2005-11-03T01:52:16			

## 2.3 Aspect





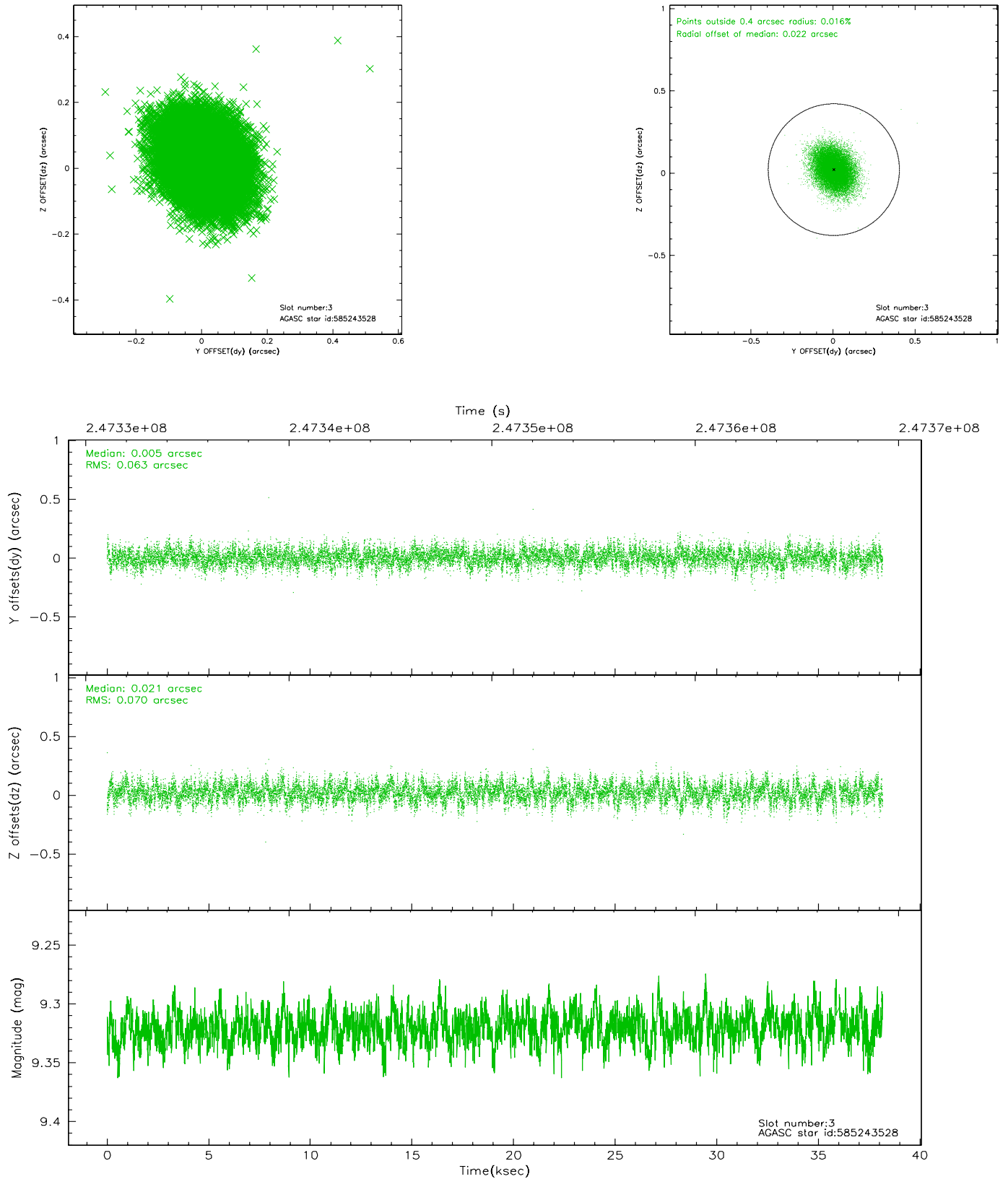
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.05	9312	0.075	-0.133	0.009	0.028	0.000000	0.000000	-1161.72	-458.49
1	FID	HRC-S-2	7.04	9312	0.121	-0.141	0.028	0.044	0.000000	0.000000	1237.87	-451.13
2	FID	HRC-S-4	7.02	9311	0.206	-0.030	0.023	0.043	0.000000	0.000000	1236.77	573.70
3	GUIDE	585243528	9.32	18542	0.005	0.021	0.099	0.163	323.001841	70.190189	1203.96	1288.87
4	GUIDE	585244656	7.41	18623	-0.061	-0.010	0.074	0.117	322.746463	70.823219	-981.61	572.85
5	GUIDE	585245544	7.36	18623	-0.024	-0.063	0.066	0.106	321.319997	70.477535	530.74	-895.10
6	GUIDE	585249712	9.18	18613	0.102	0.022	0.091	0.150	322.943679	70.596904	-222.66	950.91
7	GUIDE	585244168	9.03	18597	-0.025	0.026	0.076	0.126	323.050612	69.955180	2024.09	1503.37

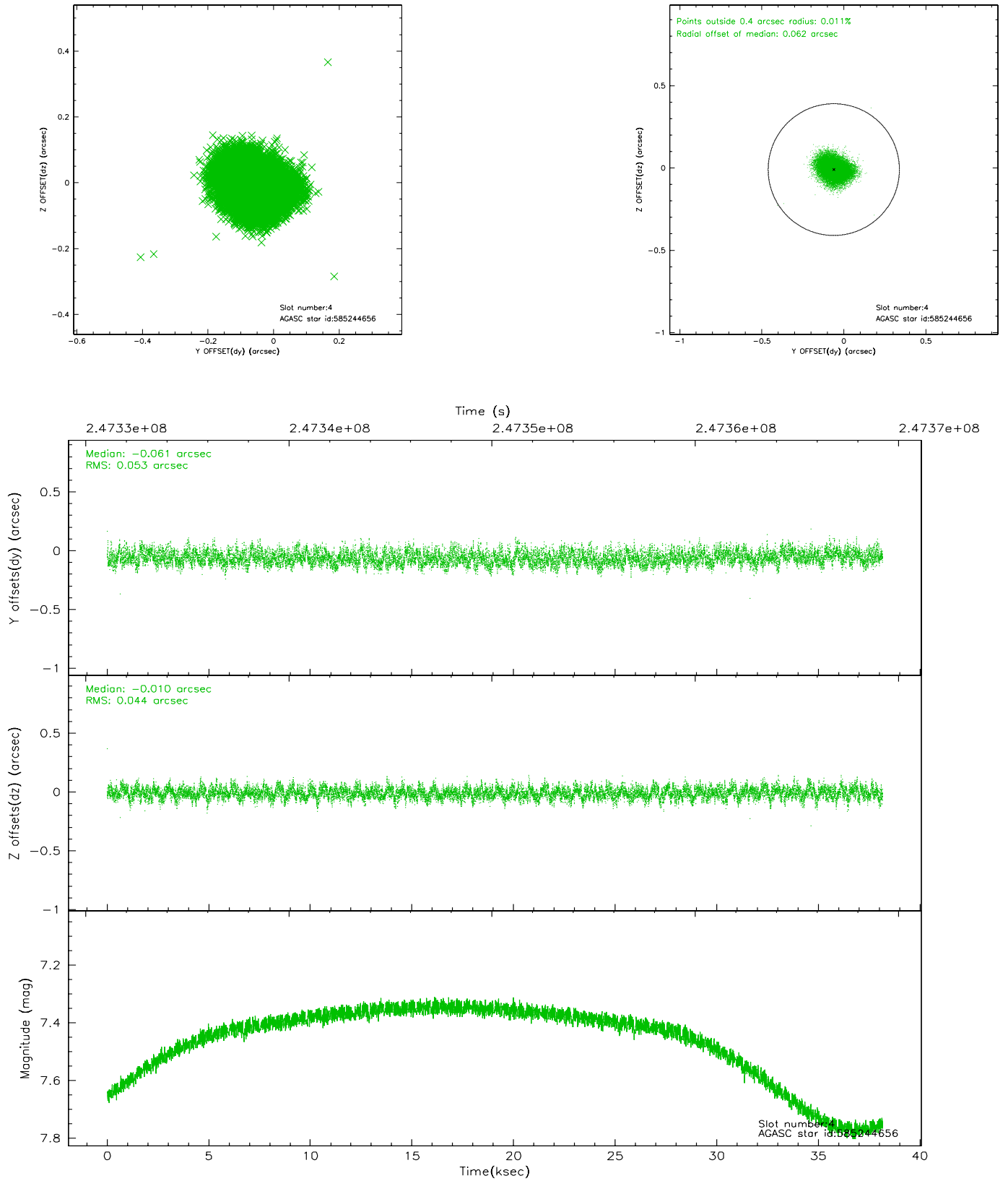


## 2.4 Star Slots

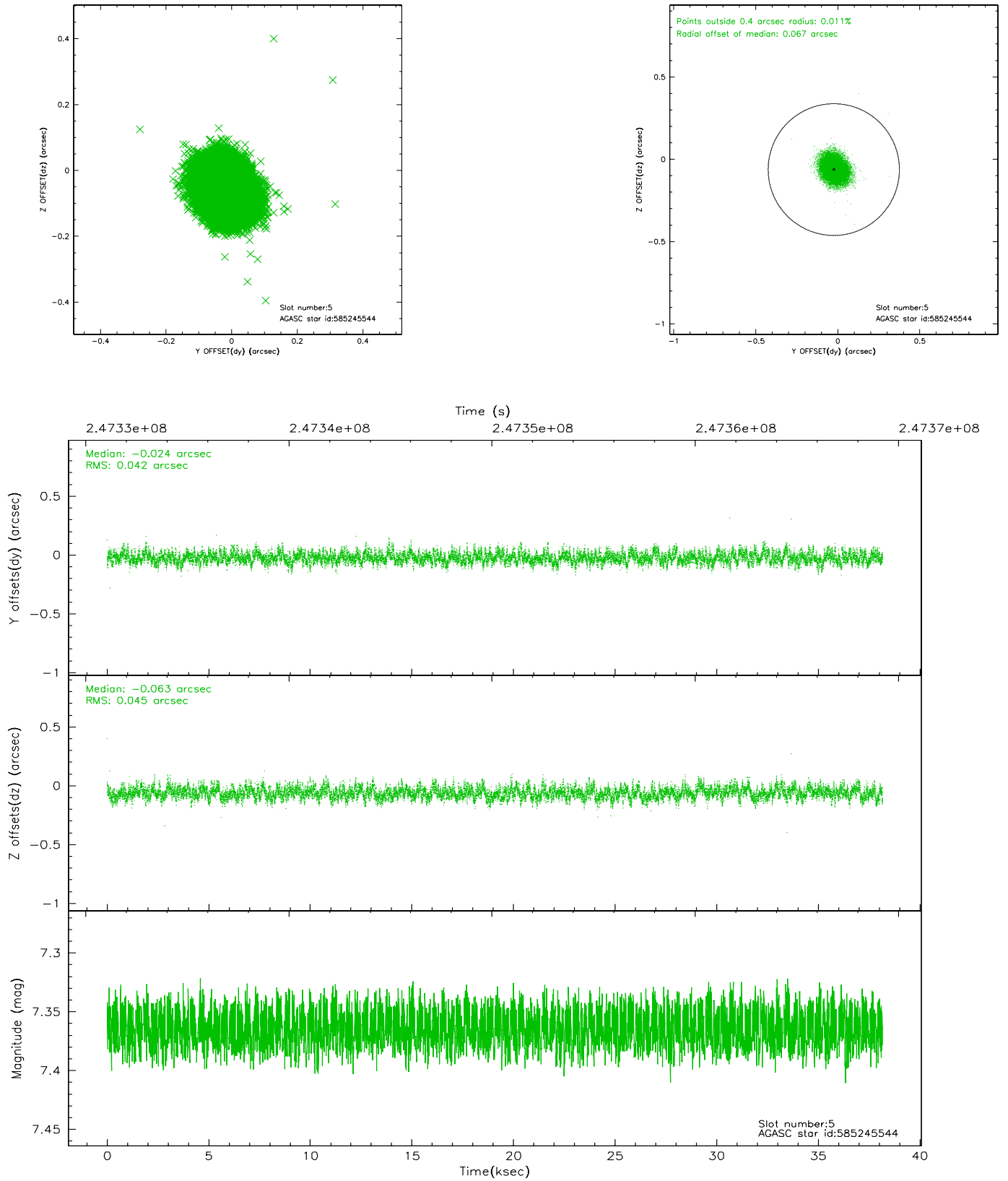
### 2.4.1 Slot 3



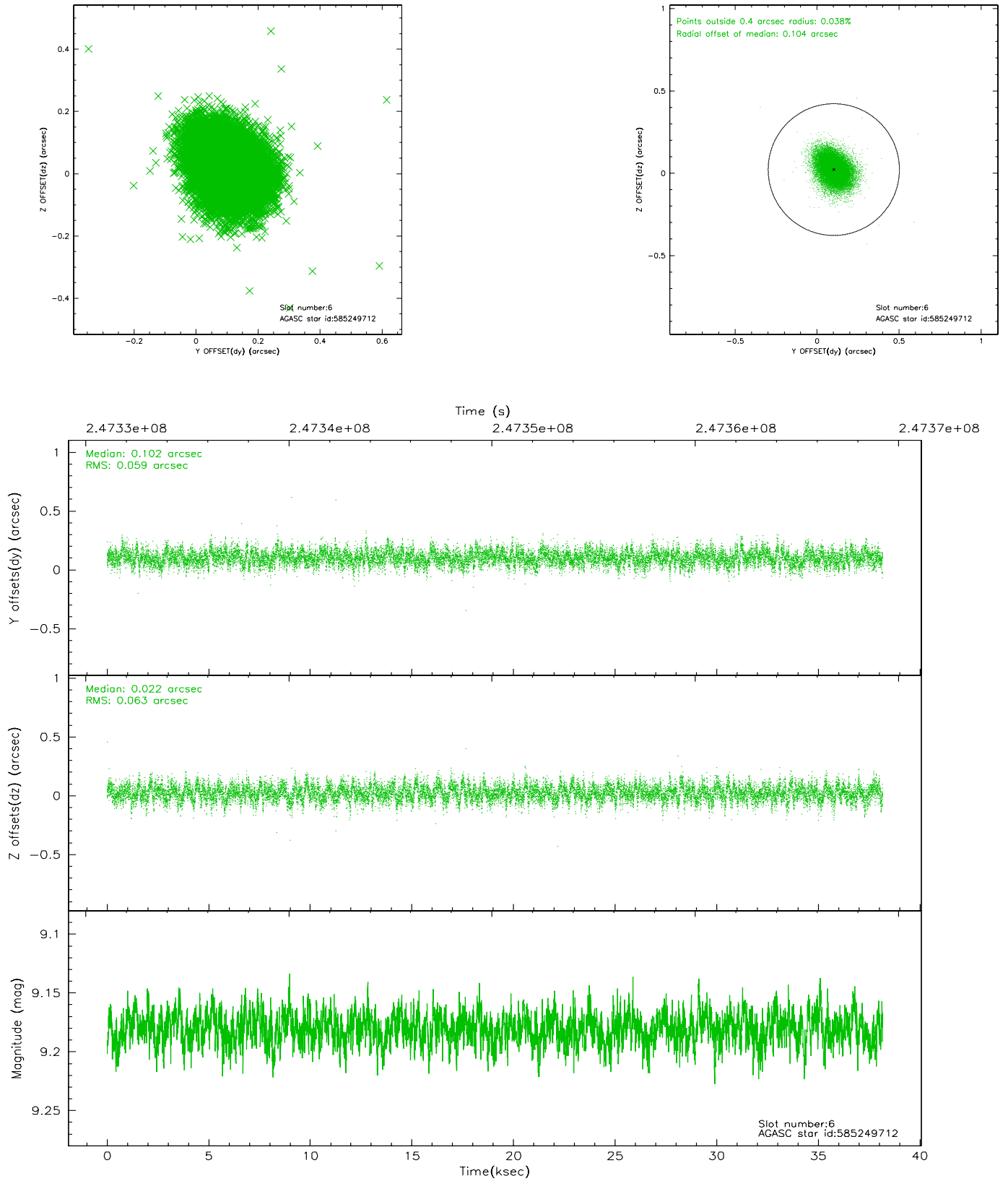
## 2.4.2 Slot 4



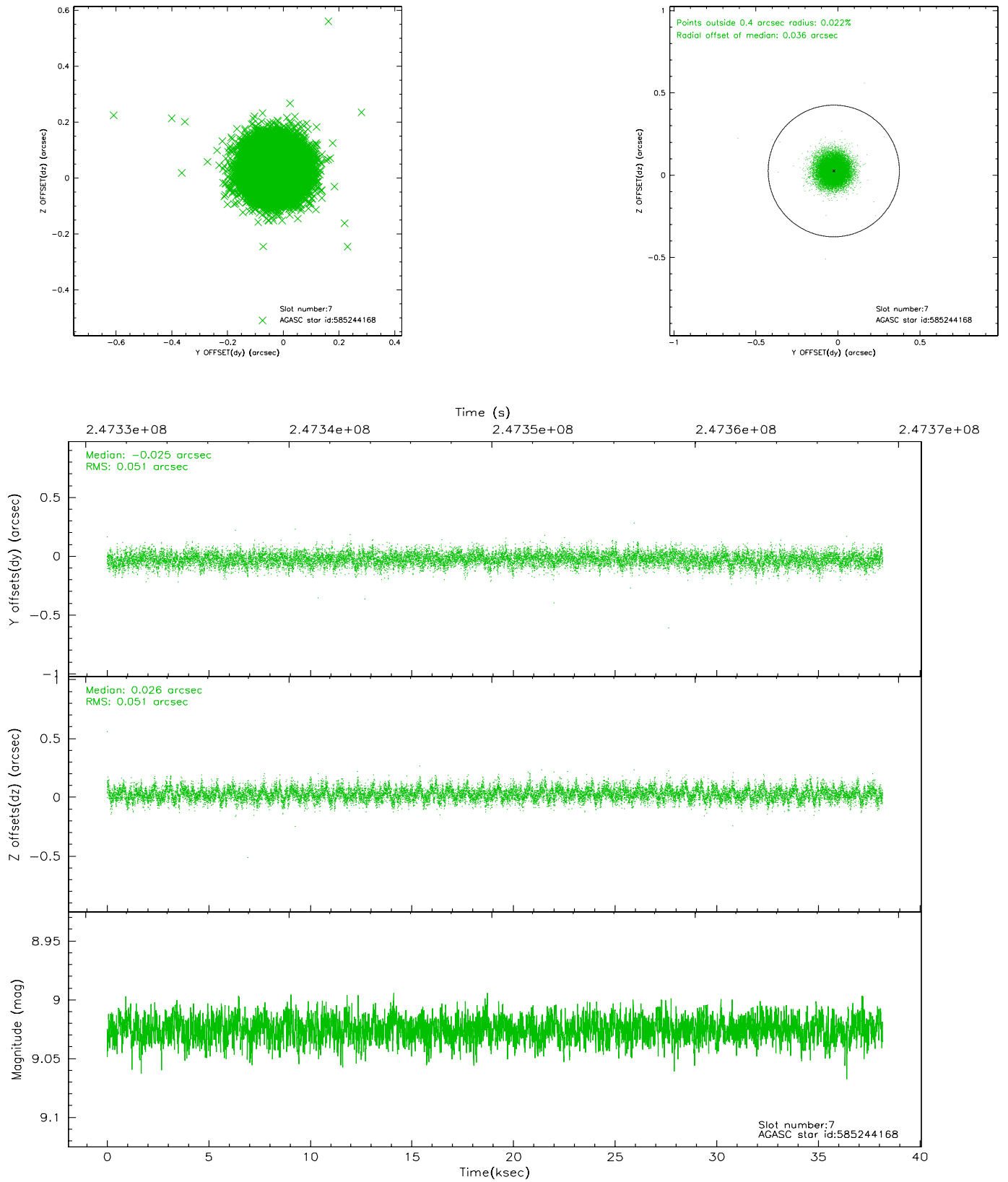
### 2.4.3 Slot 5



## 2.4.4 Slot 6

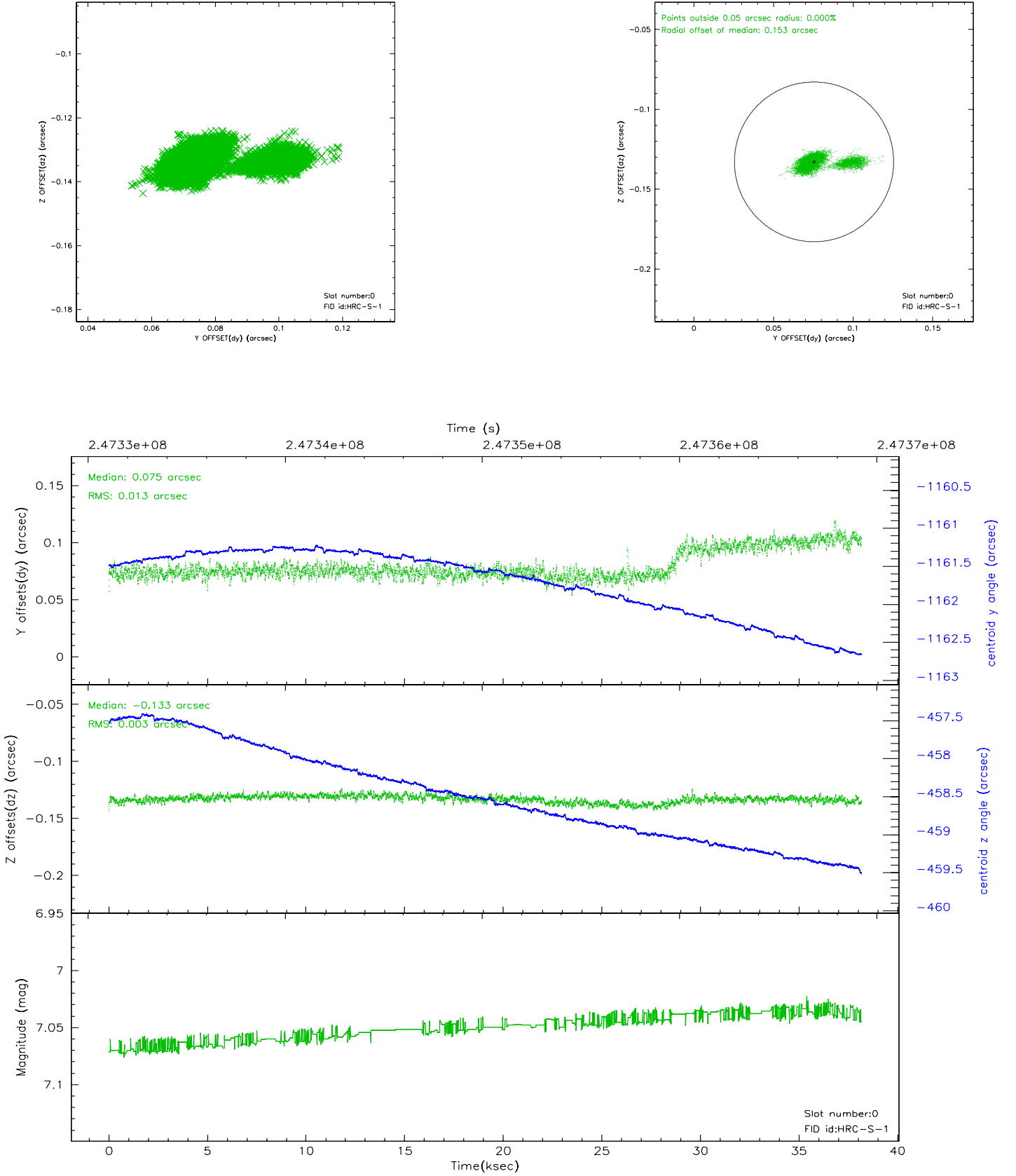


## 2.4.5 Slot 7

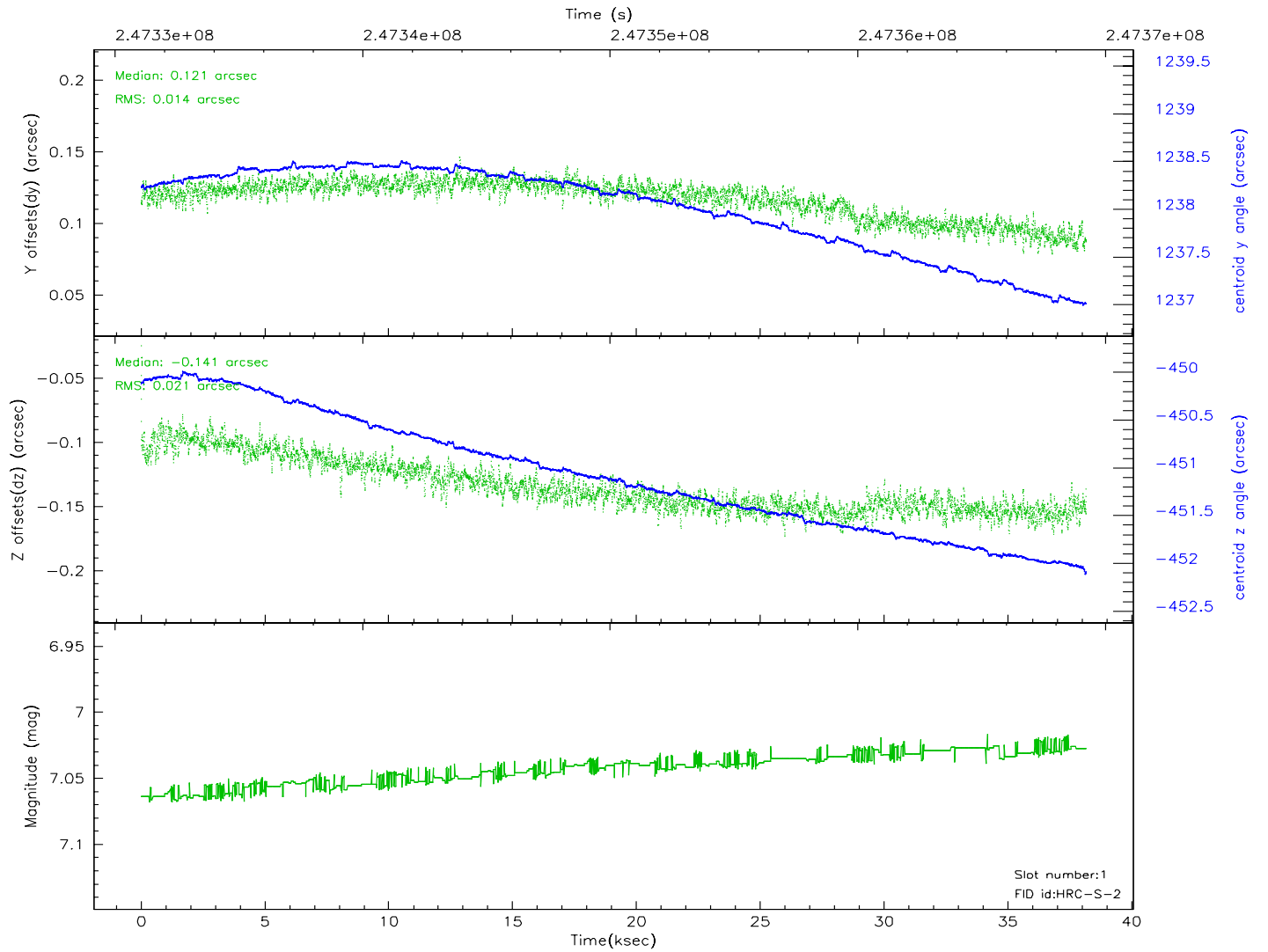
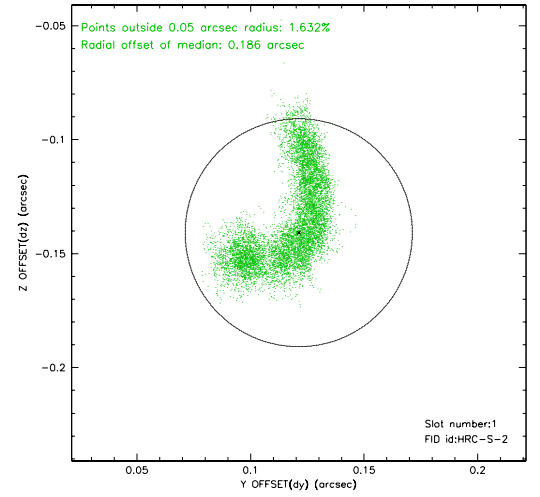
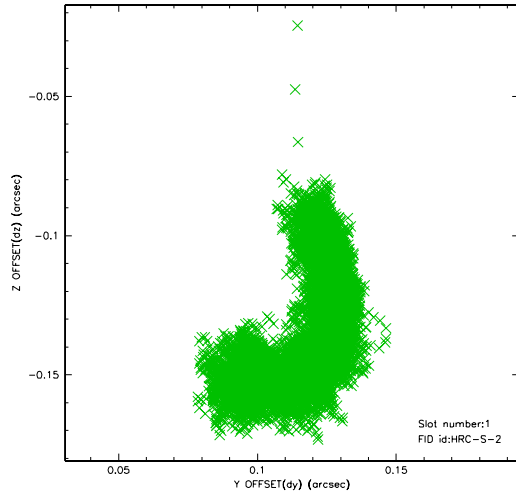


## 2.5 FID Slots

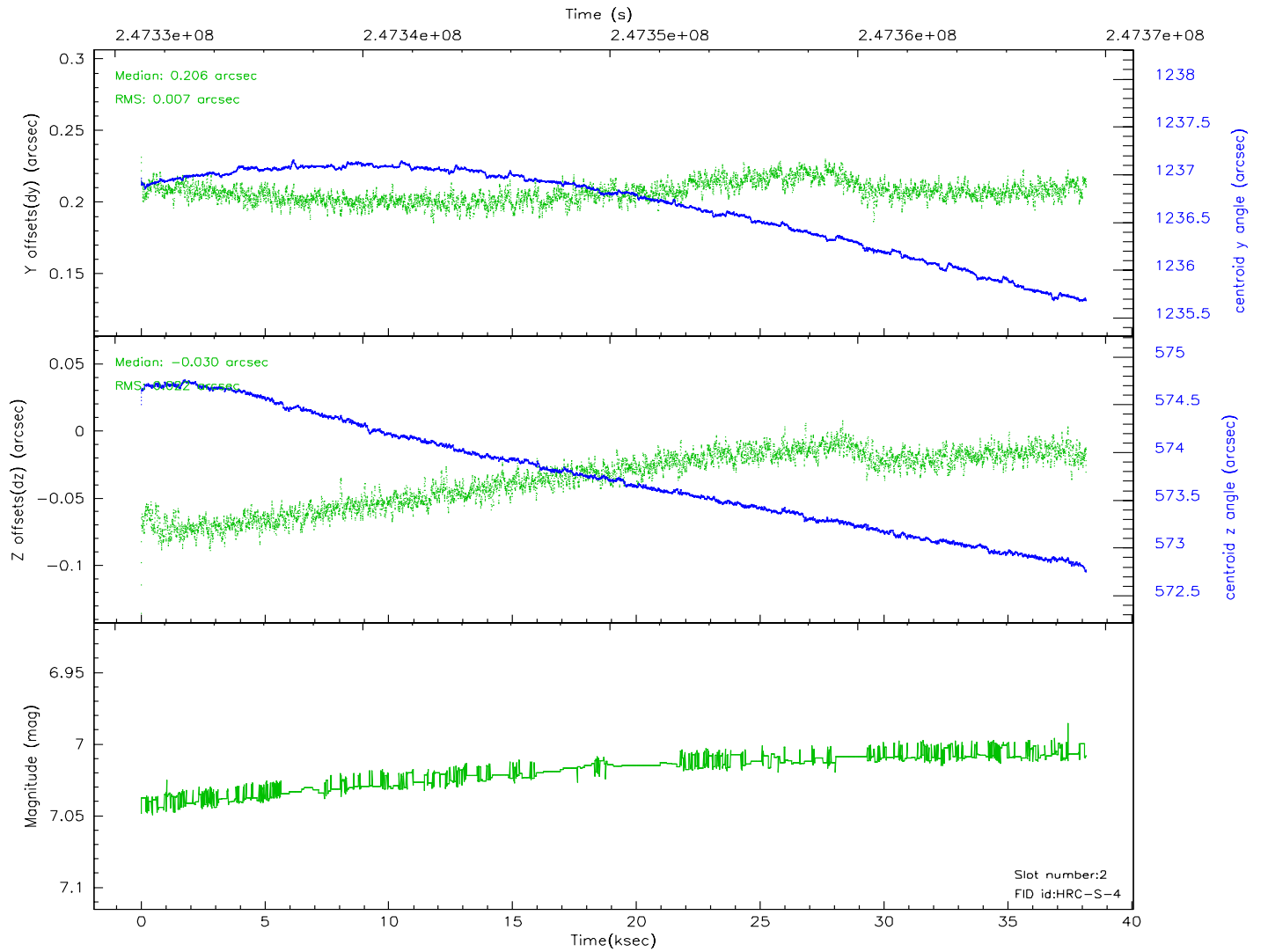
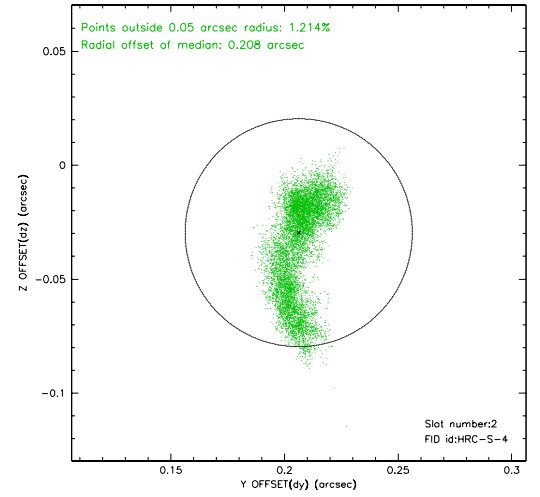
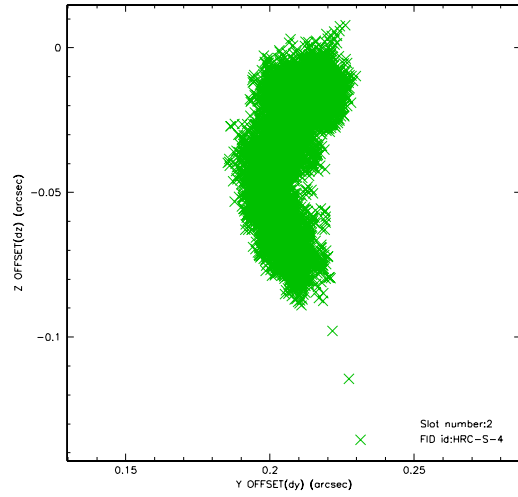
### 2.5.1 Slot 0



## 2.5.2 Slot 1



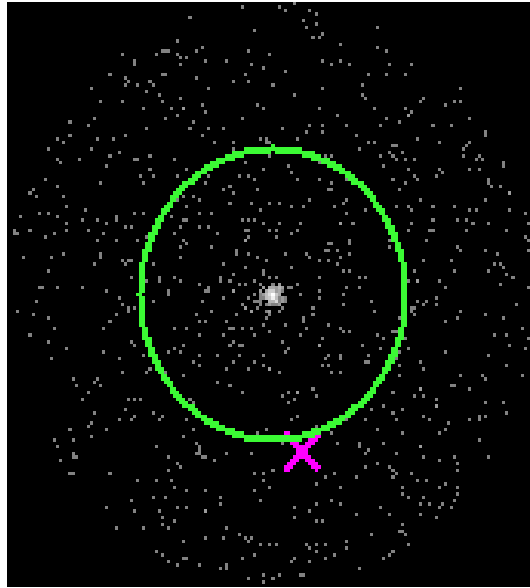
### 2.5.3 Slot 2



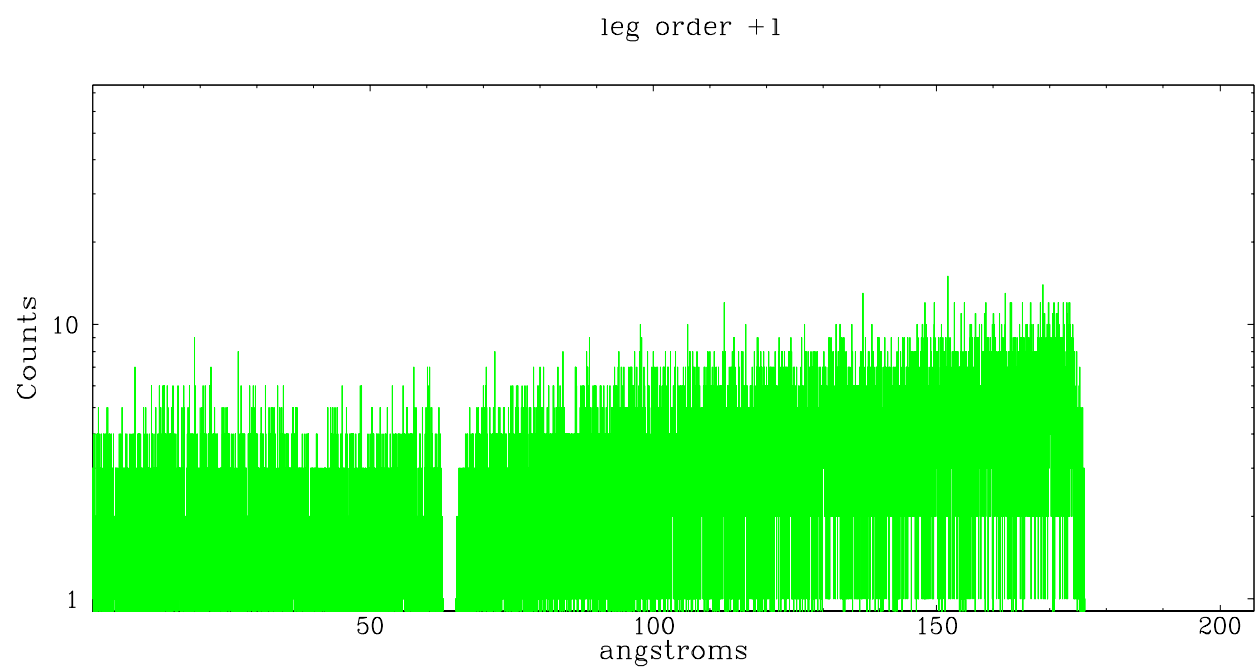
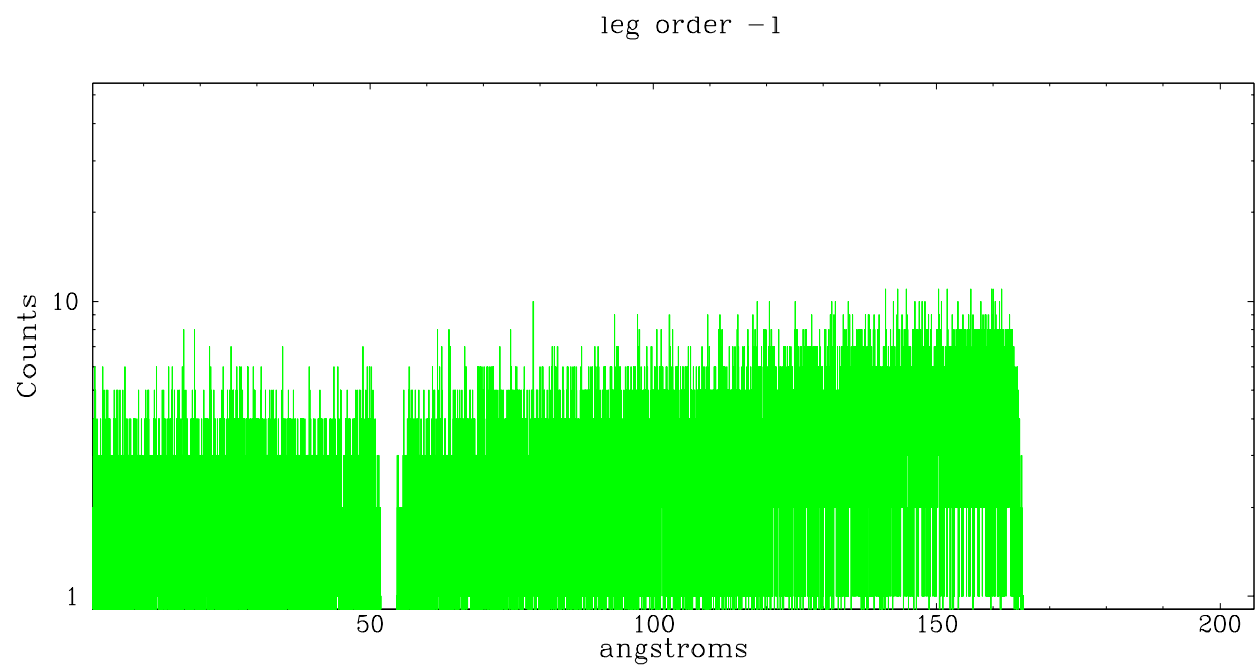


## 3 Gratings

### 3.1 LETG Arm



LETG Zero Order



## A Summary

### A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.17433

### A.2 Comments