

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5396 - L2 Version 002  
Chandra X-Ray Center

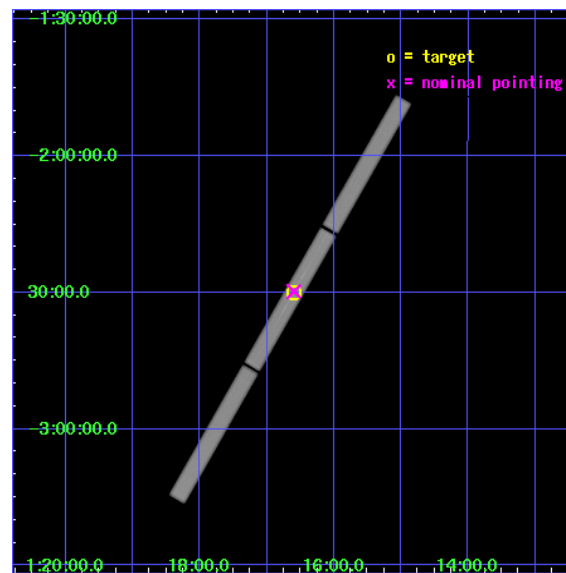
L2 Processing Date : Mar 8 2006

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# 1 Front

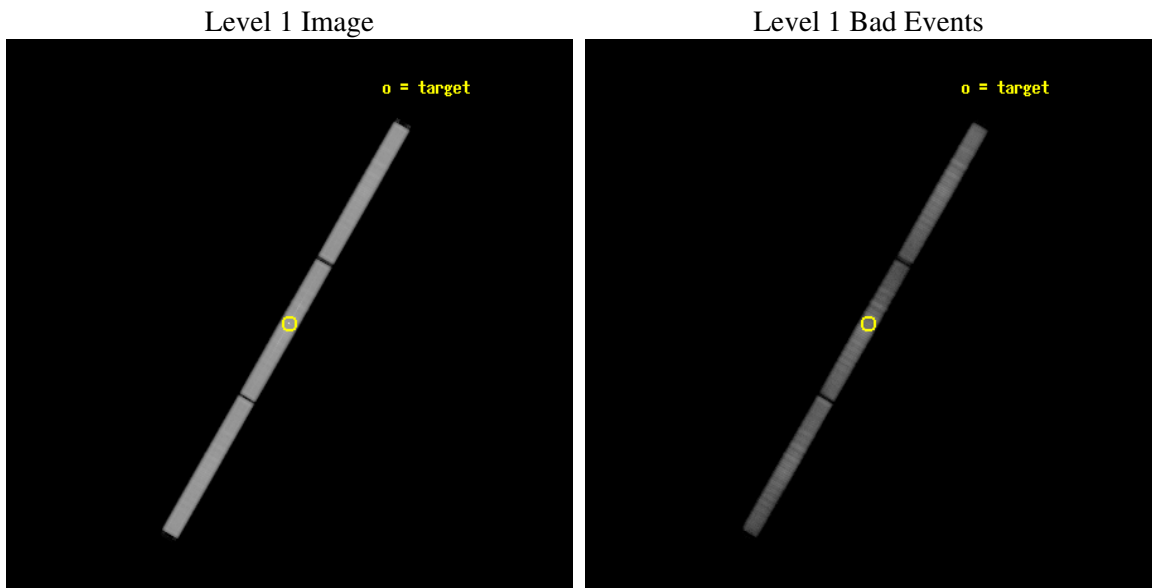
seq_num	200331
obs_id	5396
title	The issue of coronal abundances: observation of two active stars with well determined photospheric abundances
observer	Dr. Jorge Sanz-Forcada
object	AY Cet
ra_targ	19.151667
dec_targ	-2.500361
ra_nom	19.149436484826
dec_nom	-2.4962358524147
roll_nom	119.88660658574
revision	2
ontime	43186.583219588
livetime	42891.497138297
l2events	2247187



## 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	2006-03-08T15:14:57
revision	2

sched_exp_time	43000.000000
ontime	43187.35196963
l1events	3328046

### 2.1.3 Events

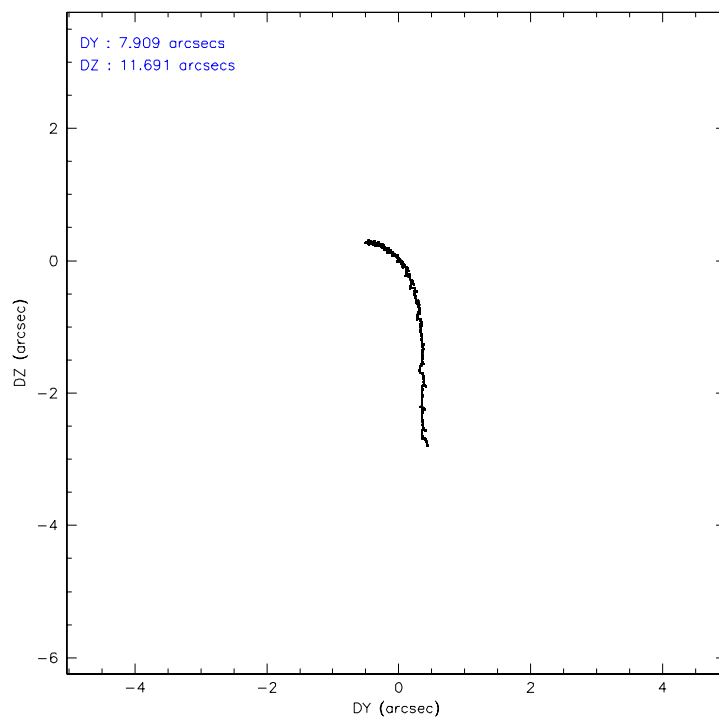
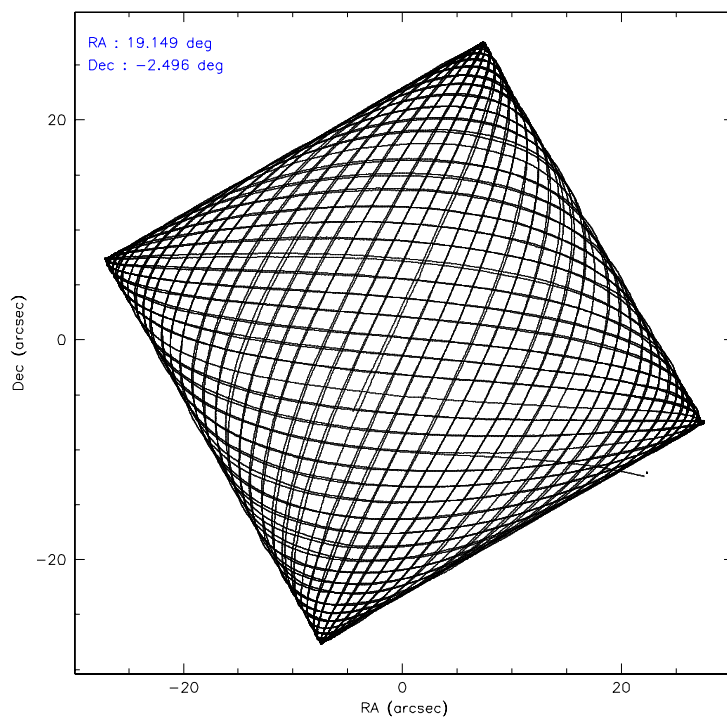
Level 1 Events

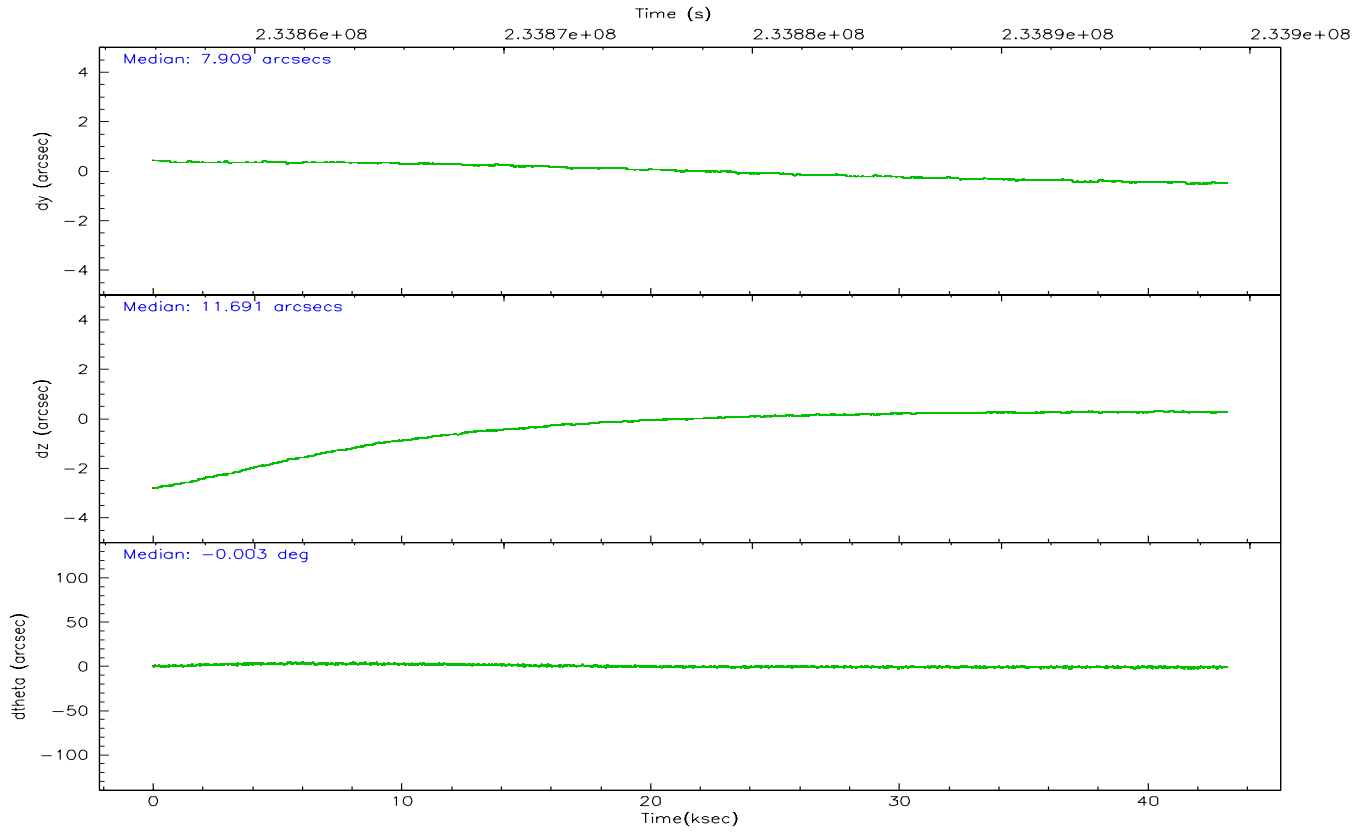
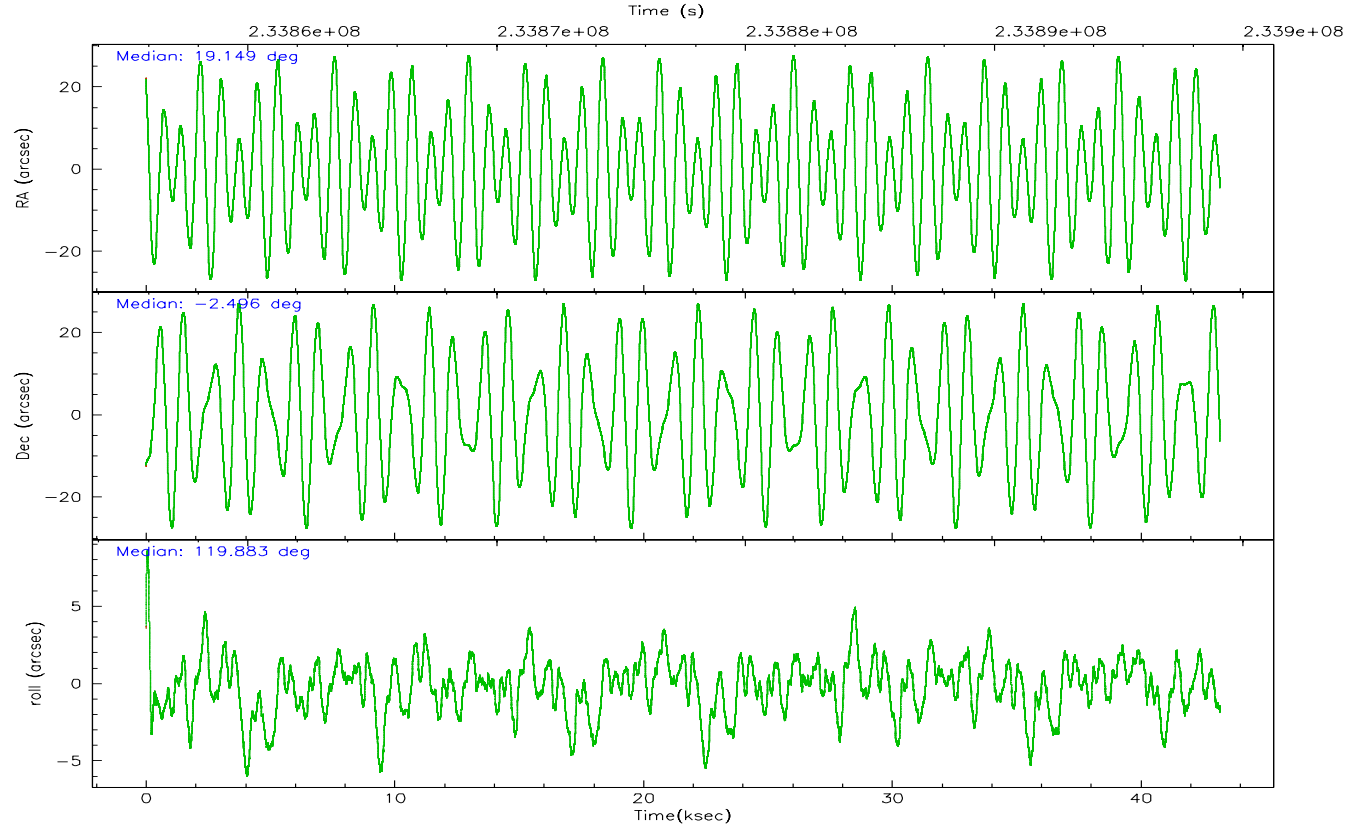
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1109412	1106986	1111648
rejected events	232751	255922	281382
rejected %	20%	23%	25%

## 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	19.174893	19.14943648482626			
Pointing Dec	-2.509342	-2.496235852414728			
Pointing Roll	119.820384	119.8866065857435			
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	233856085.184000	233855494.97334			
Observation start date	2005-05-30T16:00:21	2005-05-30T15:51:34			
Observation end time	233899085.184000	233899537.68785			
Observation end date	2005-05-31T03:57:01	2005-05-31T04:05:37			

## 2.3 Aspect





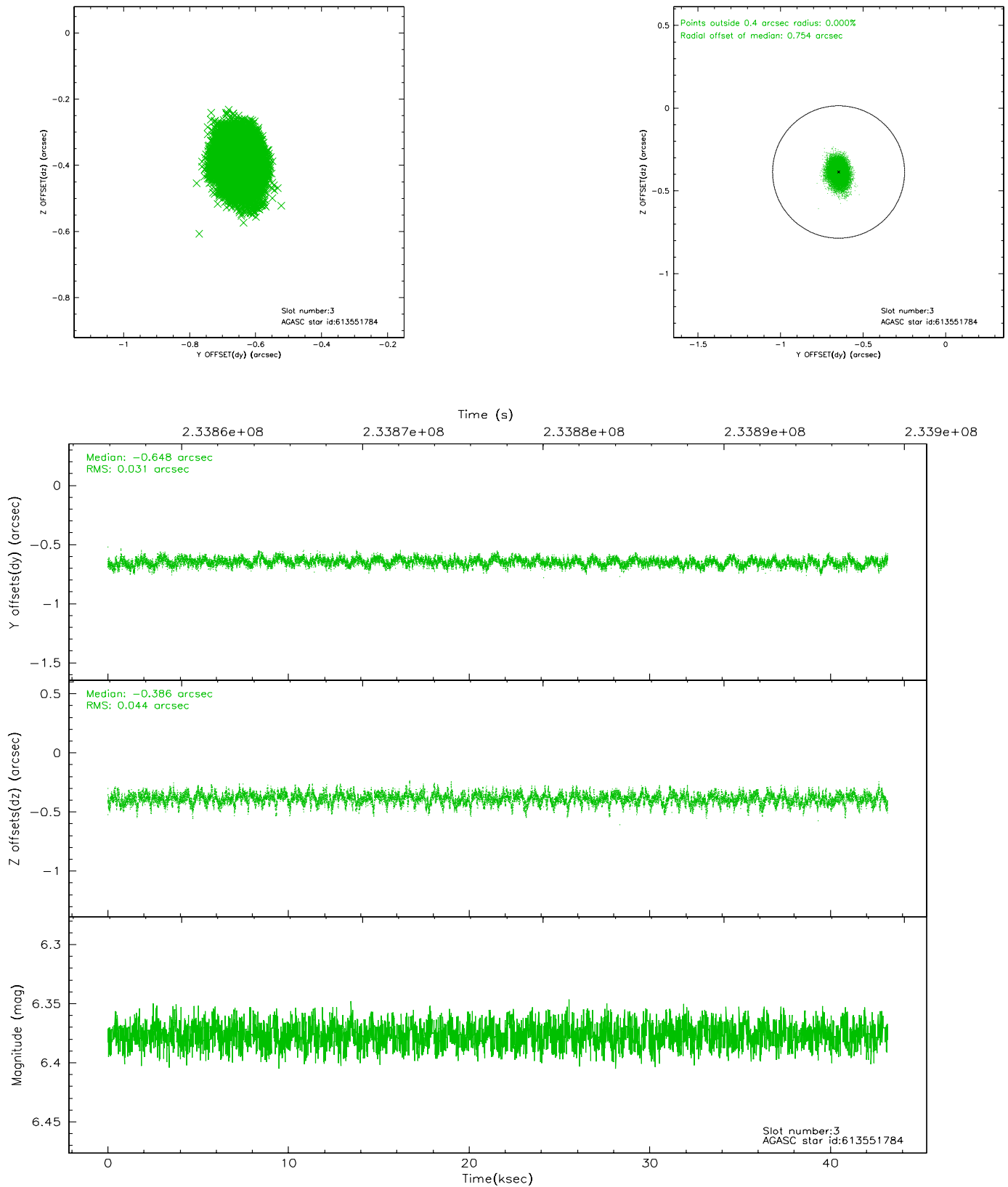
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	10533	0.134	-0.133	0.031	0.067	0.000000	0.000000	-1162.07	-459.99
1	FID	HRC-S-2	7.00	10534	0.152	-0.112	0.008	0.018	0.000000	0.000000	1237.52	-452.65
2	FID	HRC-S-3	7.02	10534	0.104	-0.057	0.031	0.069	0.000000	0.000000	-1164.70	569.60
3	GUIDE	613551784	6.38	21068	-0.648	-0.386	0.056	0.095	18.561752	-2.179492	2125.96	1323.40
4	GUIDE	613679664	8.30	21064	0.148	-0.035	0.073	0.121	19.163439	-2.686363	-532.18	352.82
5	GUIDE	613696072	6.67	21068	0.093	0.192	0.082	0.129	19.245859	-2.279163	590.73	-633.94
6	GUIDE	613699032	9.75	21018	0.210	-0.205	0.153	0.261	18.926193	-3.372435	-2251.41	2320.69
7	GUIDE	613682992	10.05	21052	0.199	0.437	0.168	0.282	19.958054	-2.523725	-1446.13	-2417.21

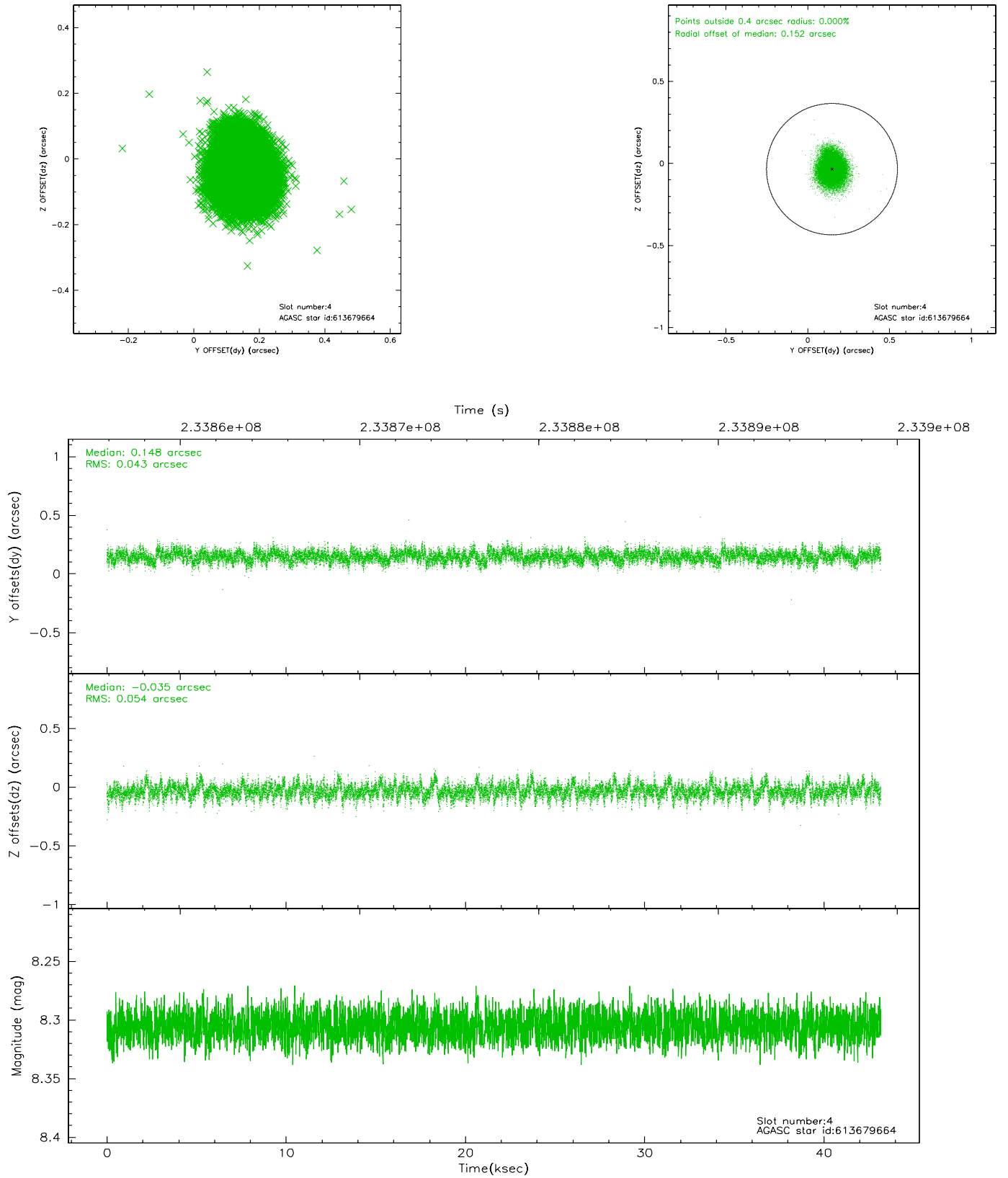


## 2.4 Star Slots

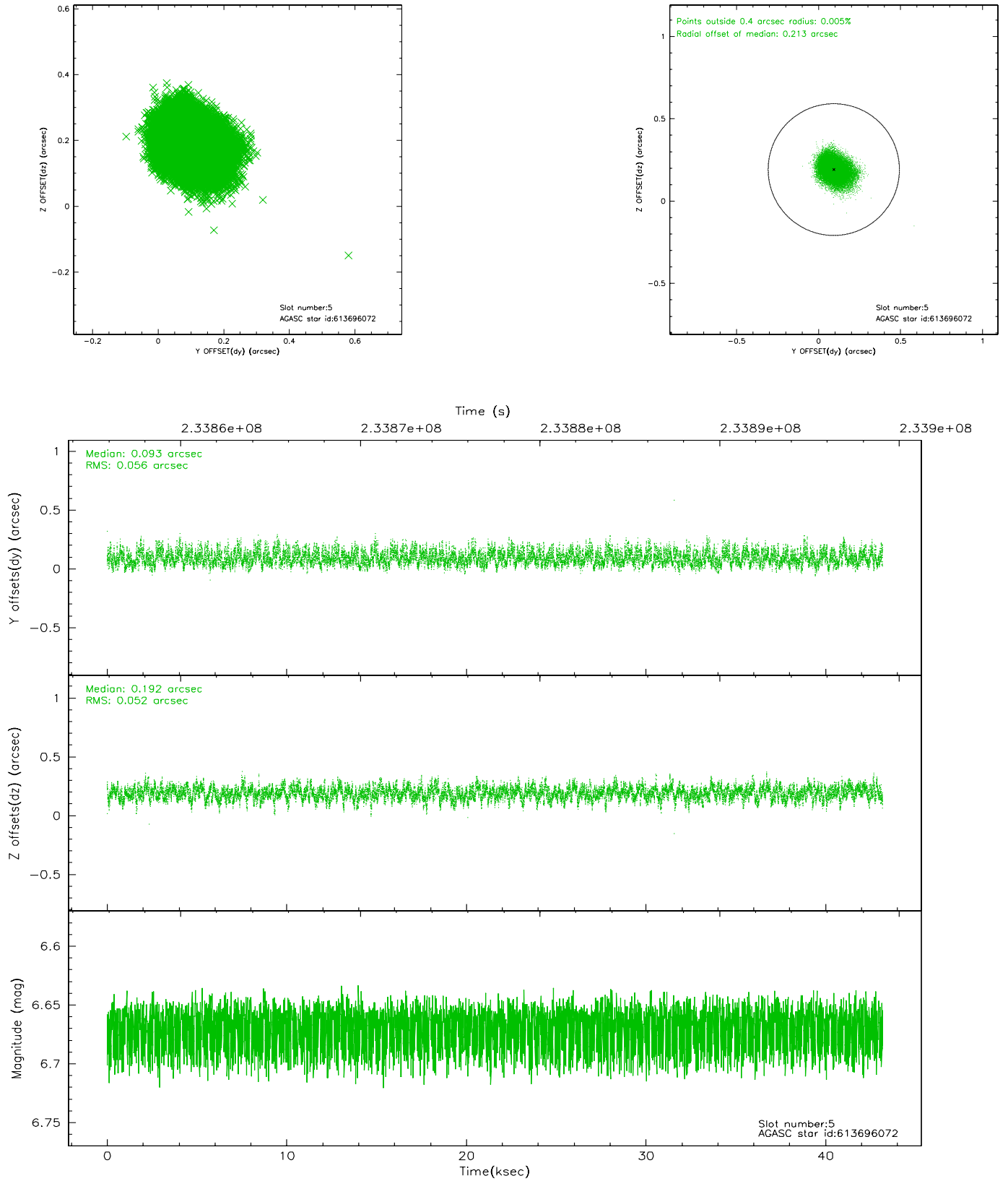
### 2.4.1 Slot 3



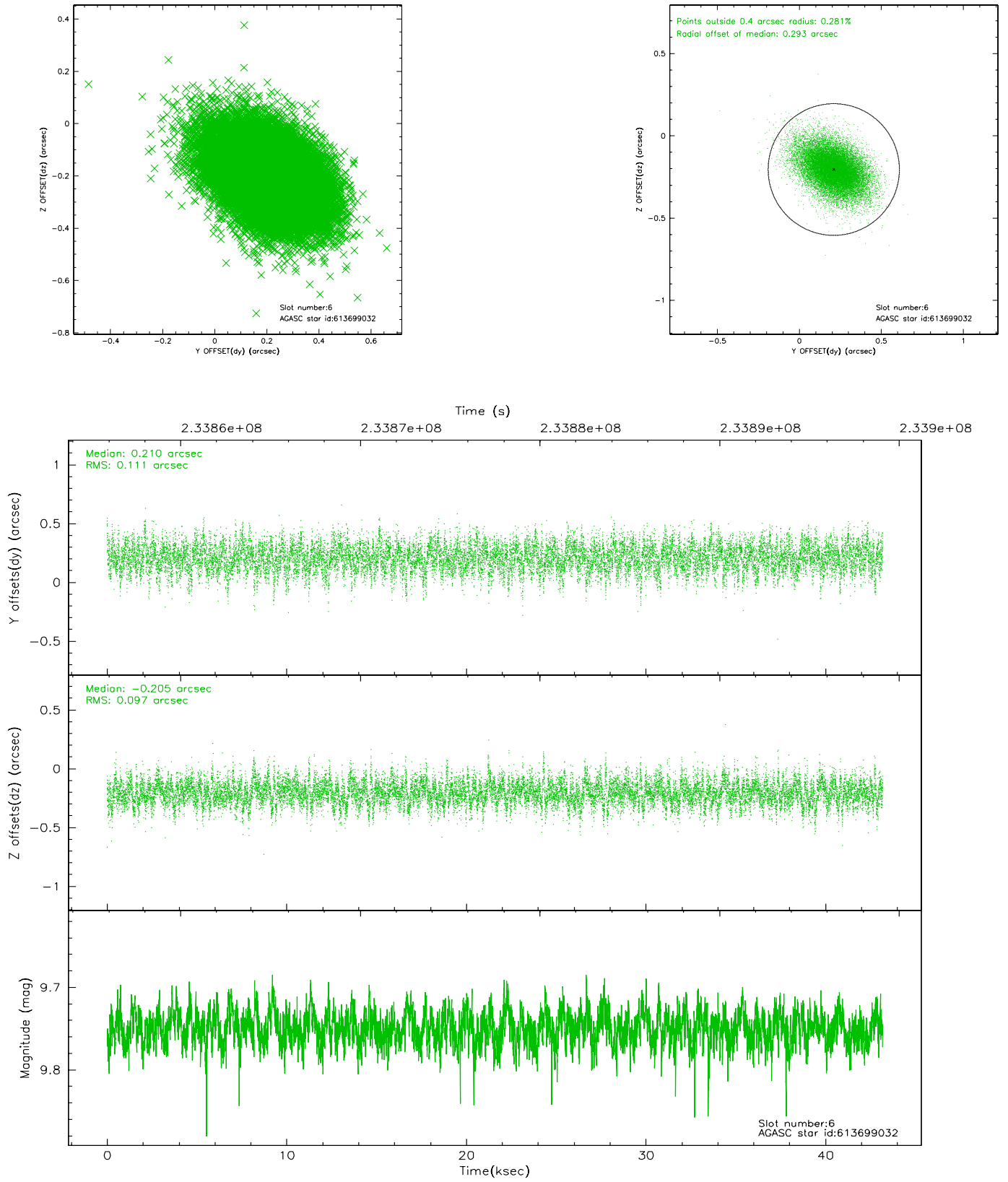
## 2.4.2 Slot 4



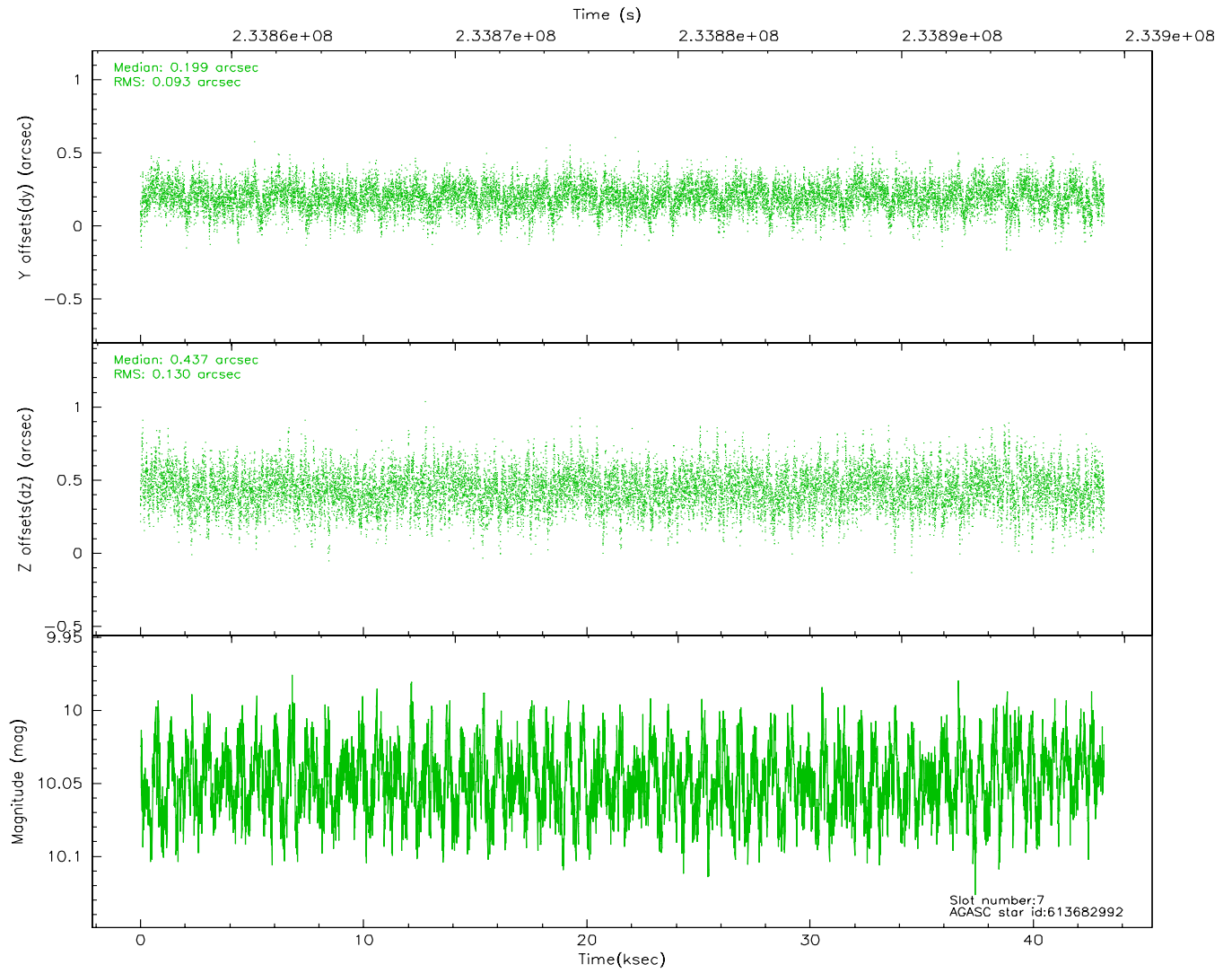
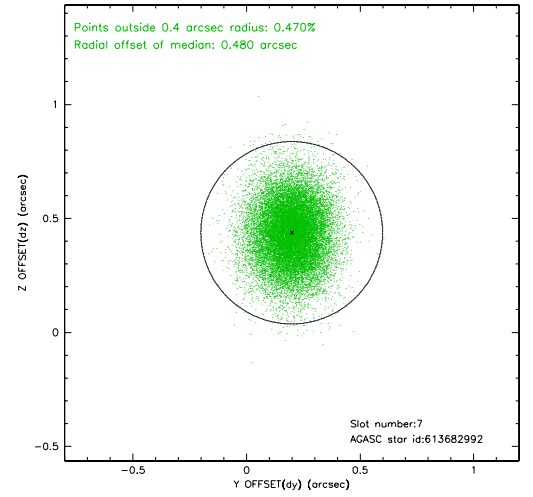
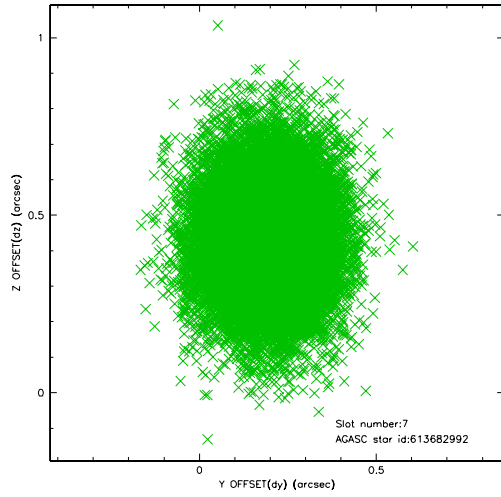
### 2.4.3 Slot 5



## 2.4.4 Slot 6

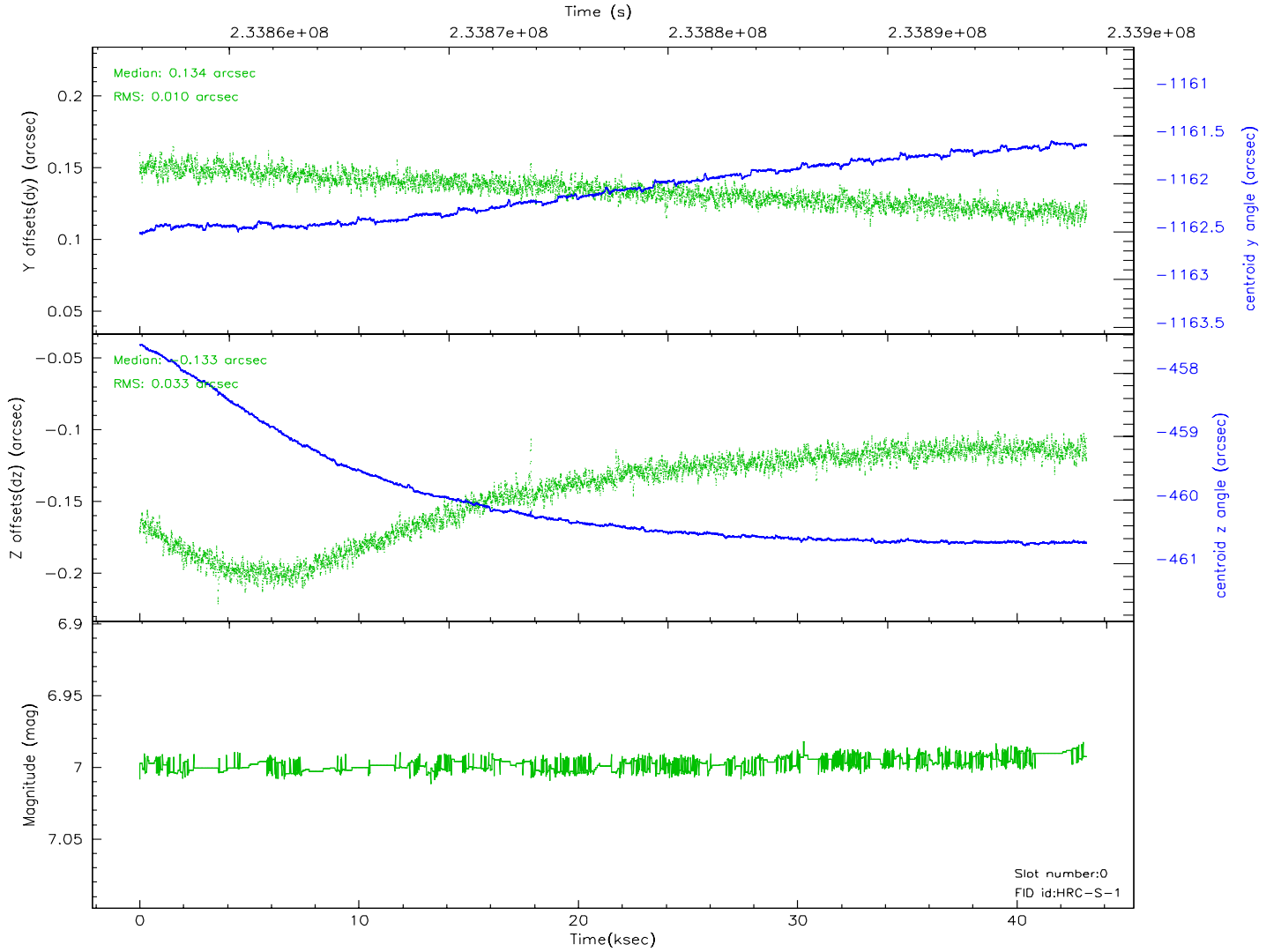
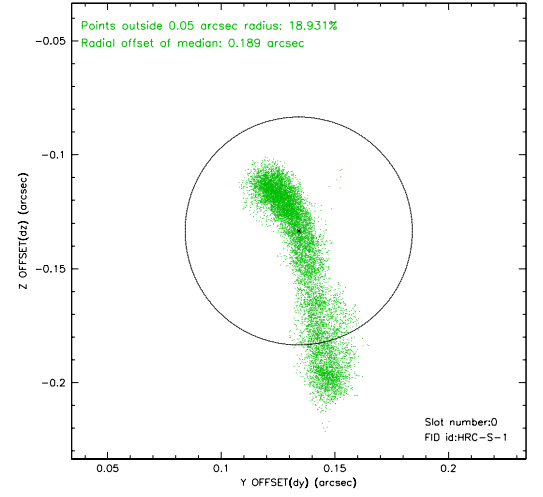
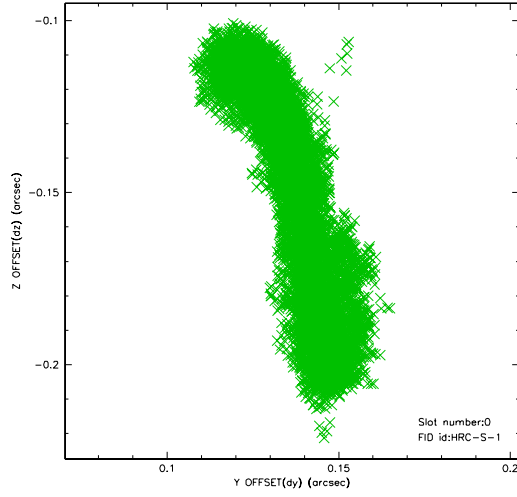


## 2.4.5 Slot 7

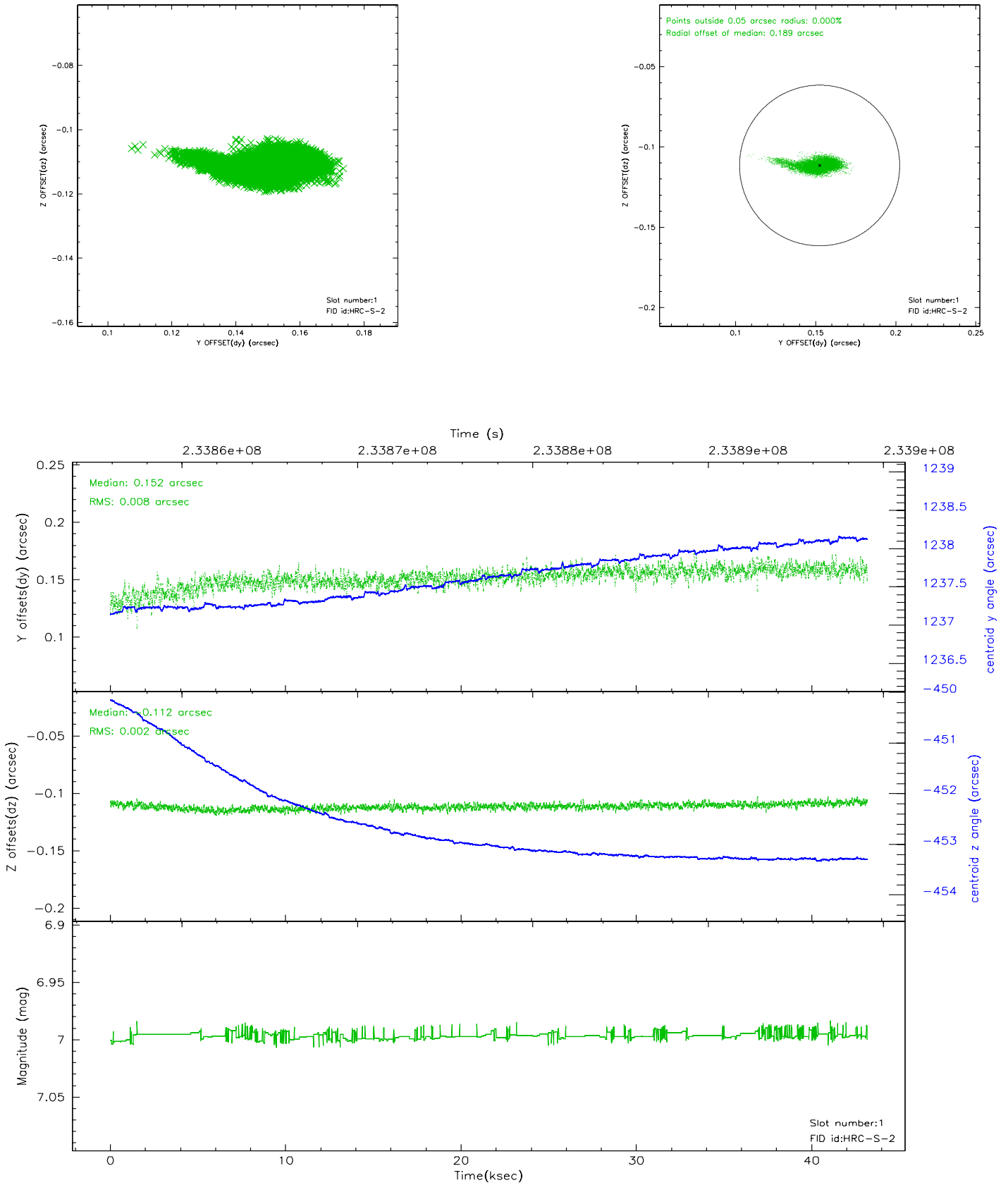


## 2.5 FID Slots

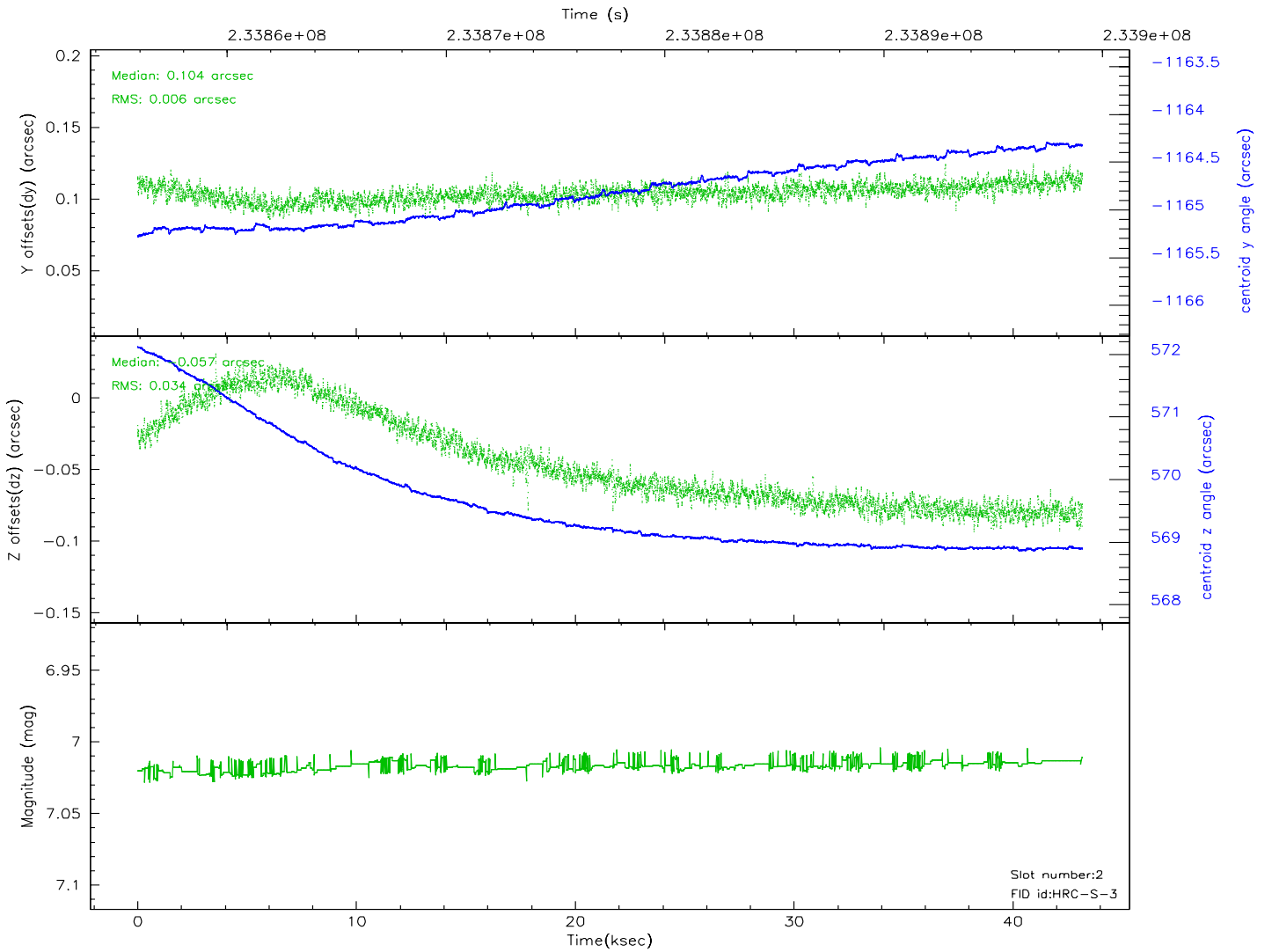
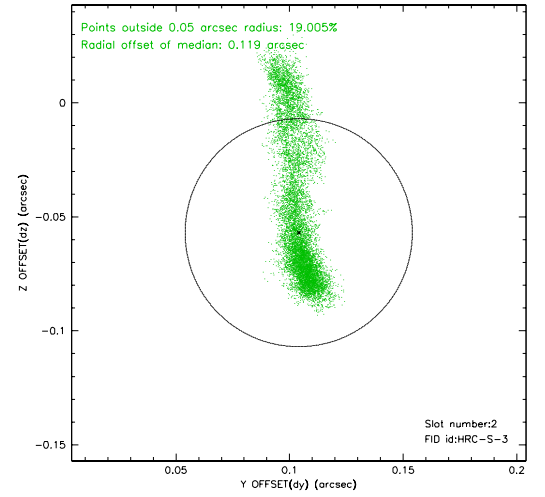
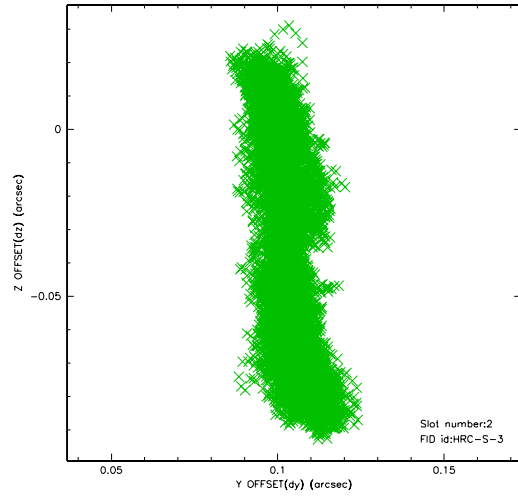
### 2.5.1 Slot 0



## 2.5.2 Slot 1



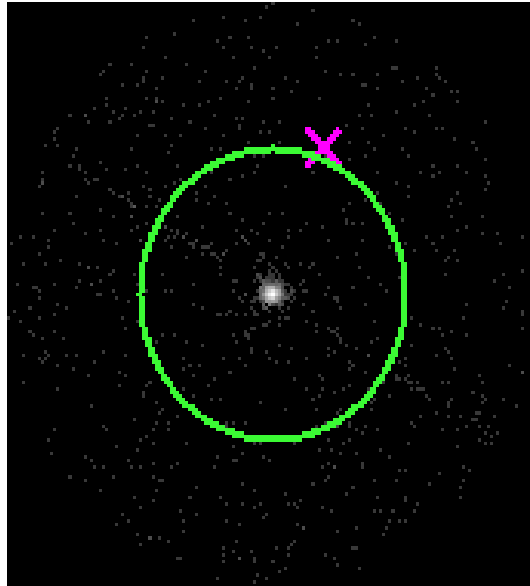
### 2.5.3 Slot 2





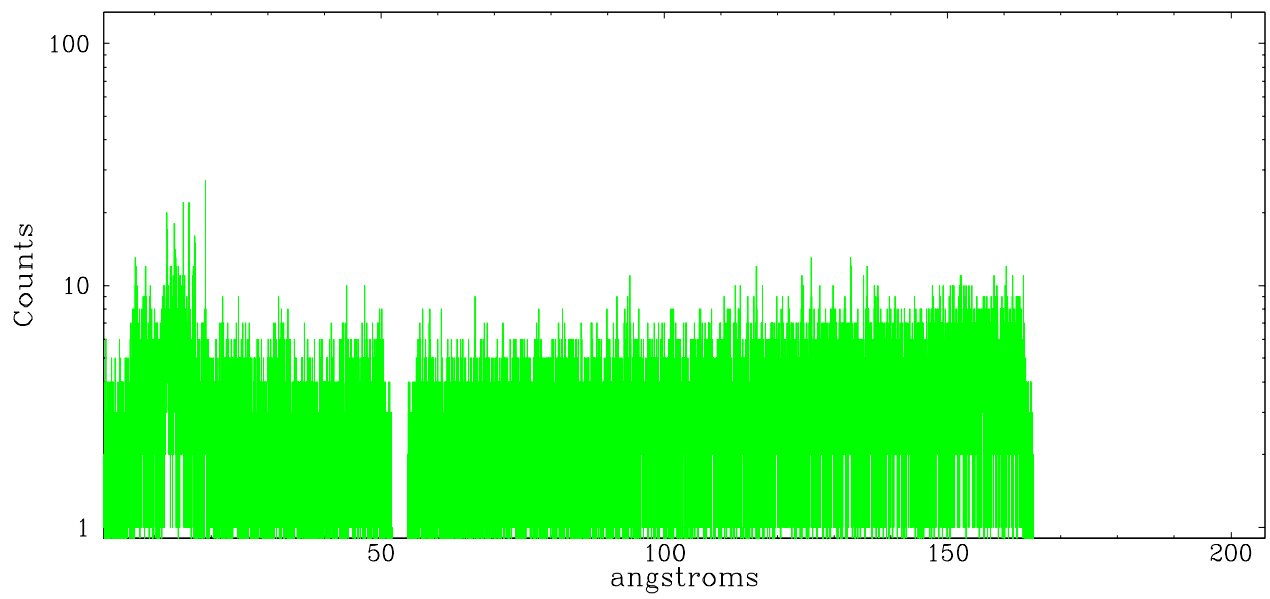
## 3 Gratings

### 3.1 LETG Arm

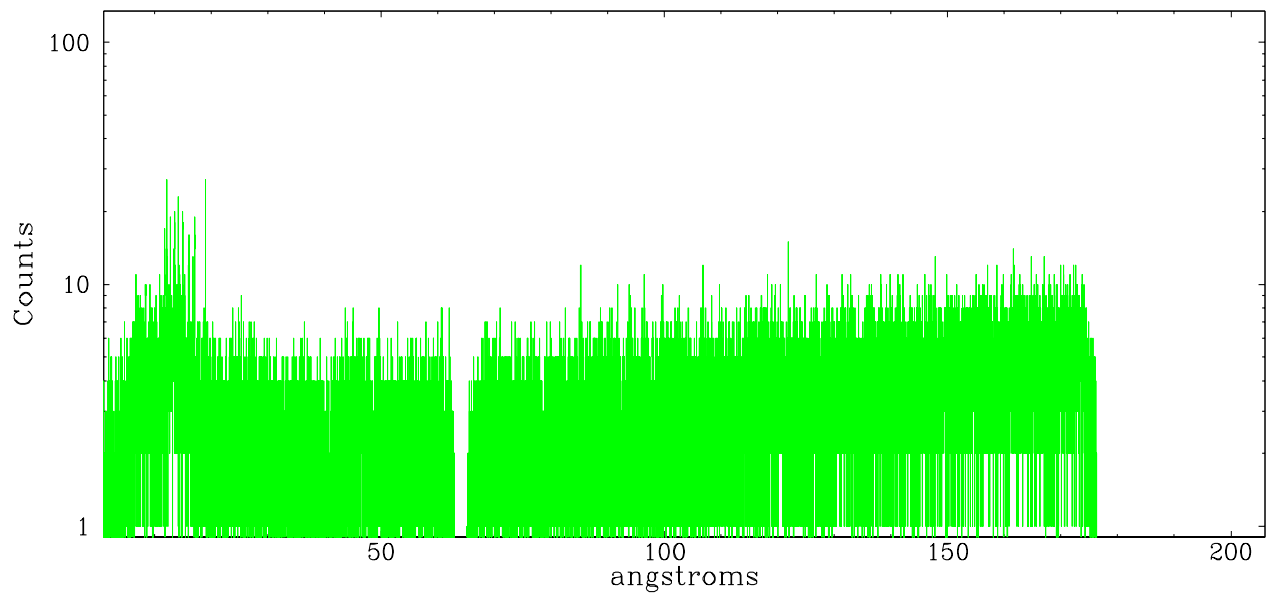


LETG Zero Order

leg order -1



leg order +1



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	43.18658

### A.2 Comments