

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1897 - L2 Version 001  
Chandra X-Ray Center

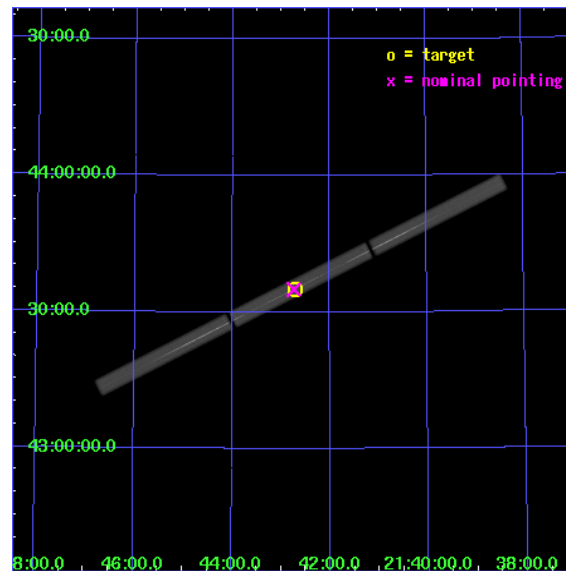
L2 Processing Date : Nov 3 2006

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# 1 Front

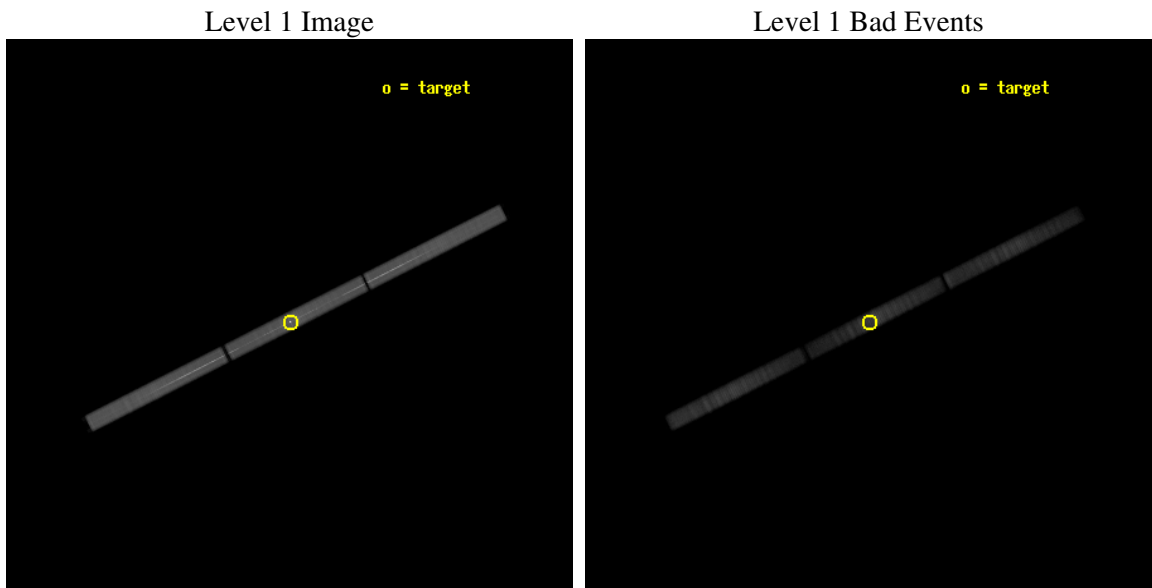
seq_num	300045
obs_id	1897
title	CHANDRA SOFT X-RAY SPECTROSCOPY AND TIMING OF THE DWARF NOVA SS CYGNI IN OUTBURST
observer	Dr. Christopher Mauche
object	SS CYG
ra_targ	325.677917
dec_targ	43.585972
ra_nom	325.68377346392
dec_nom	43.583617425652
roll_nom	333.21489675606
revision	3
ontime	47355.001819149
livetime	47097.252774706
l2events	1926986



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-11-03T00:44:49
revision	3

sched_exp_time	47500.000000
ontime	47629.958079696
l1events	2899012

### 2.1.3 Events

Level 1 Events

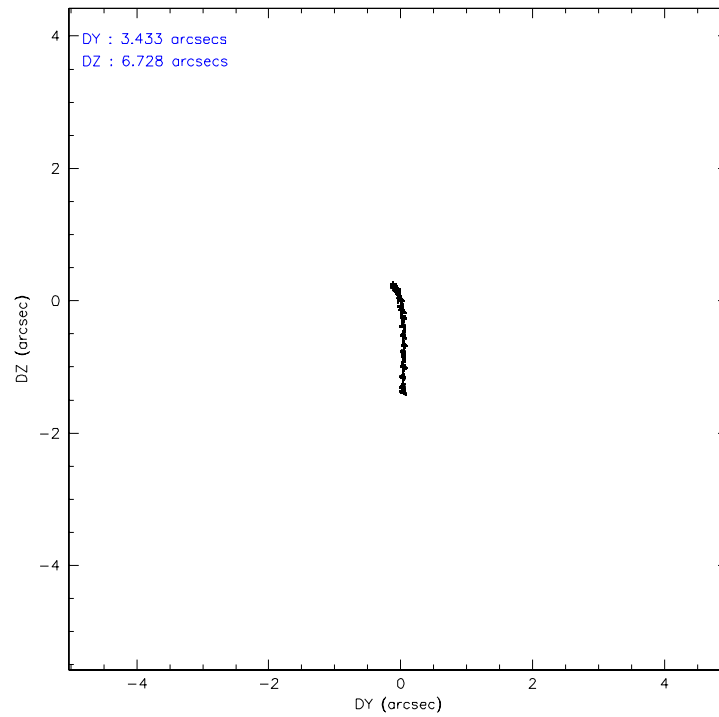
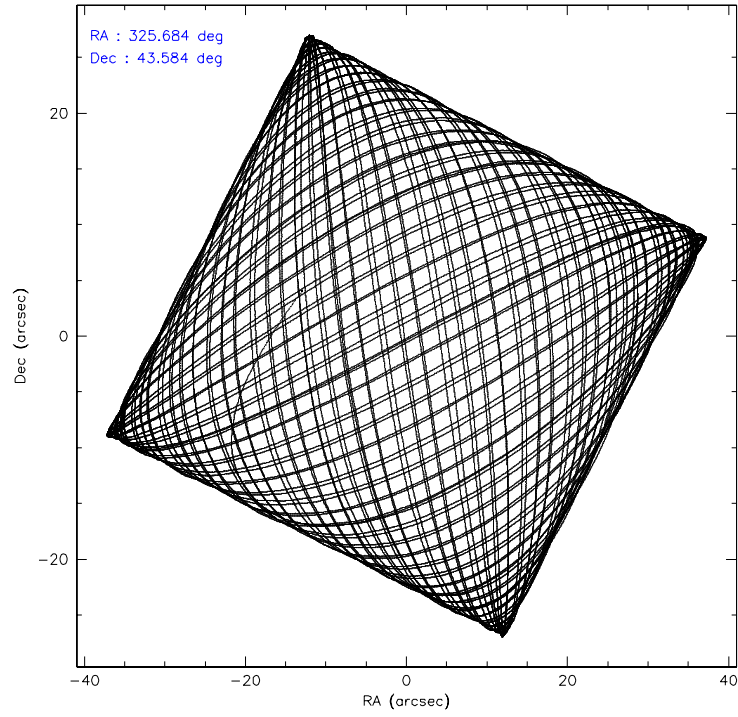
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	949231	983028	966753
rejected events	216788	239081	264696
rejected %	22%	24%	27%

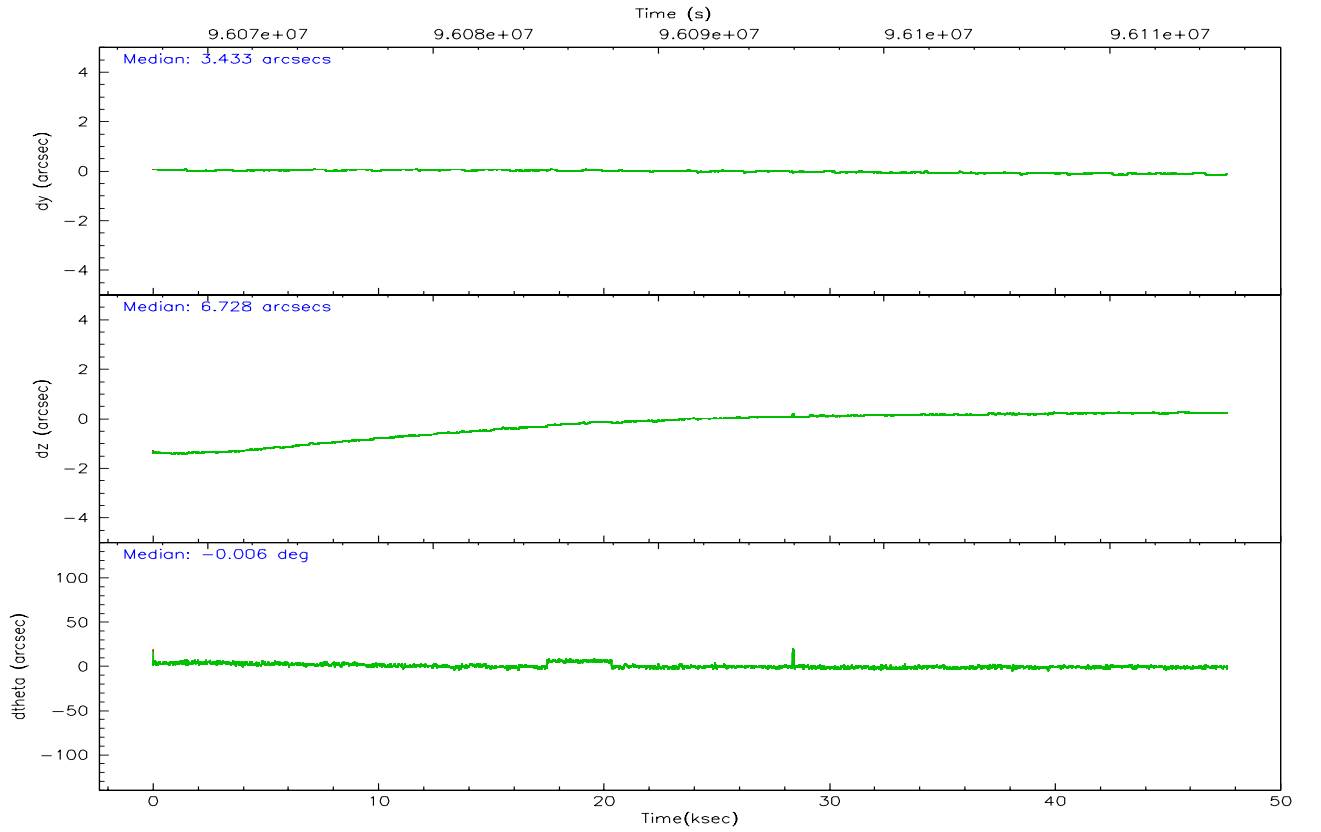
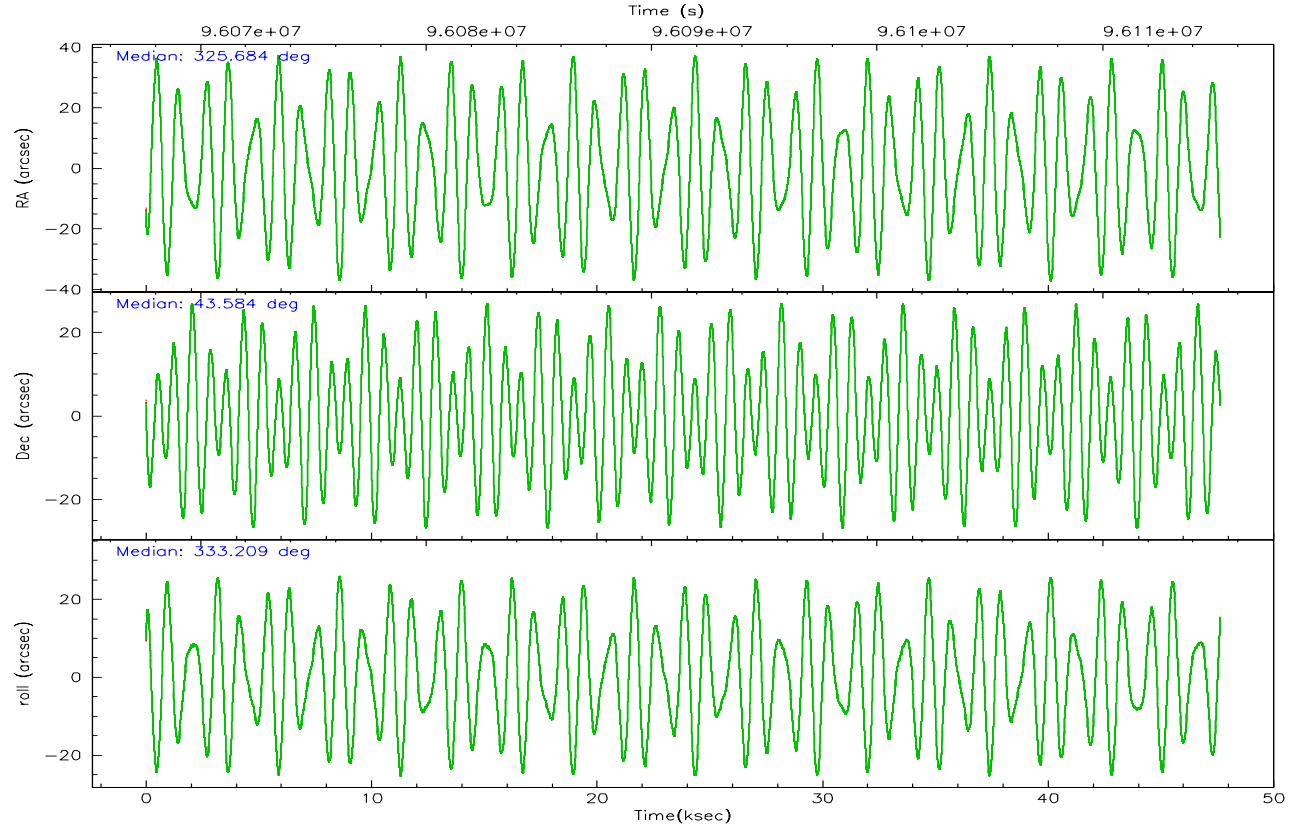


## 2.2 Compared Parameters

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	325.644341	325.6837734639175			
Pointing Dec	43.580715	43.58361742565211			
Pointing Roll	333.174741	333.2148967560607			
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	96067709.184000	96066780.966417			
Observation start date	2001-01-16T21:27:25	2001-01-16T21:13:00			
Observation end time	96115209.184000	96115796.4683			
Observation end date	2001-01-17T10:39:05	2001-01-17T10:49:56			

## 2.3 Aspect



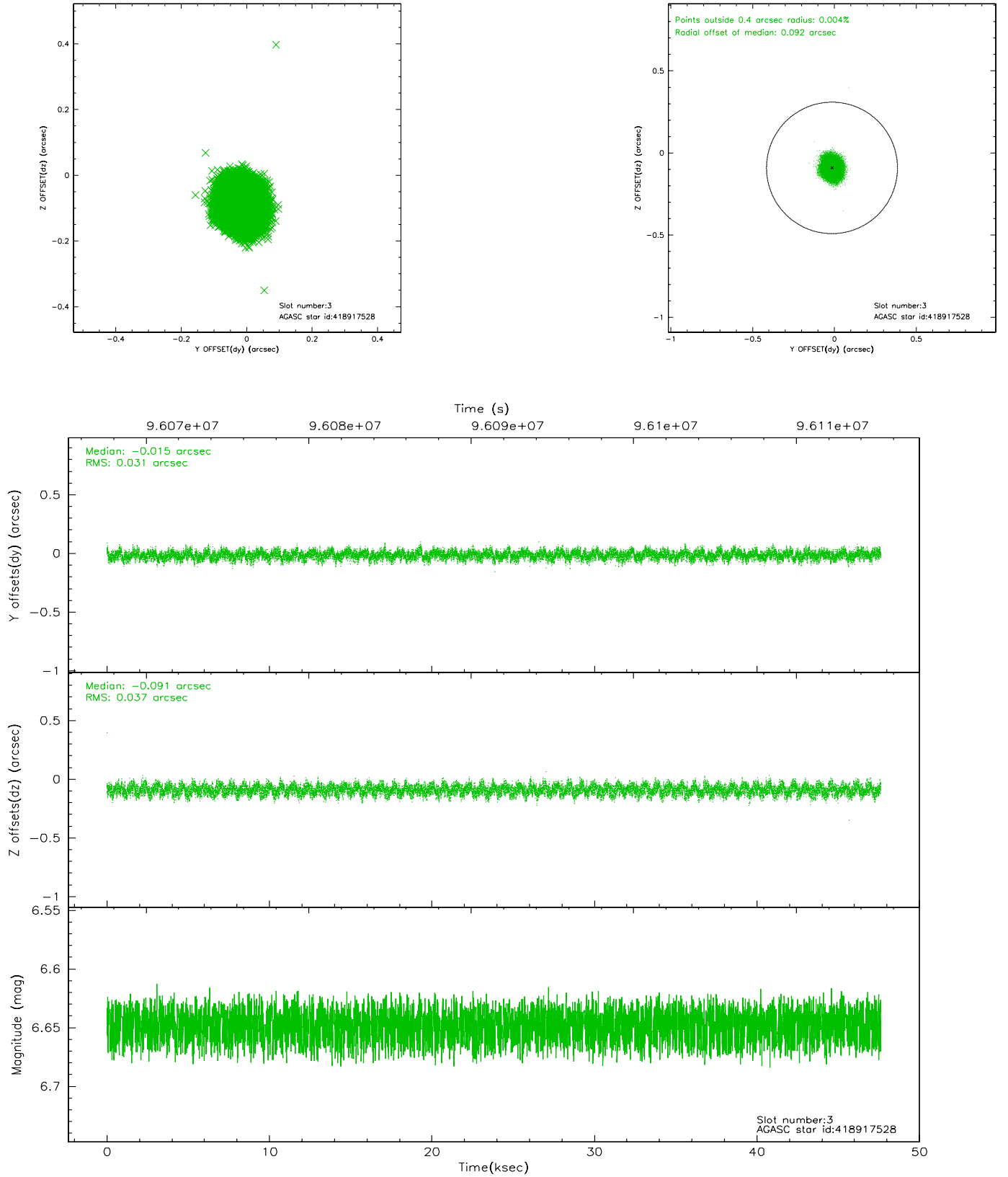


### Slot Statistics

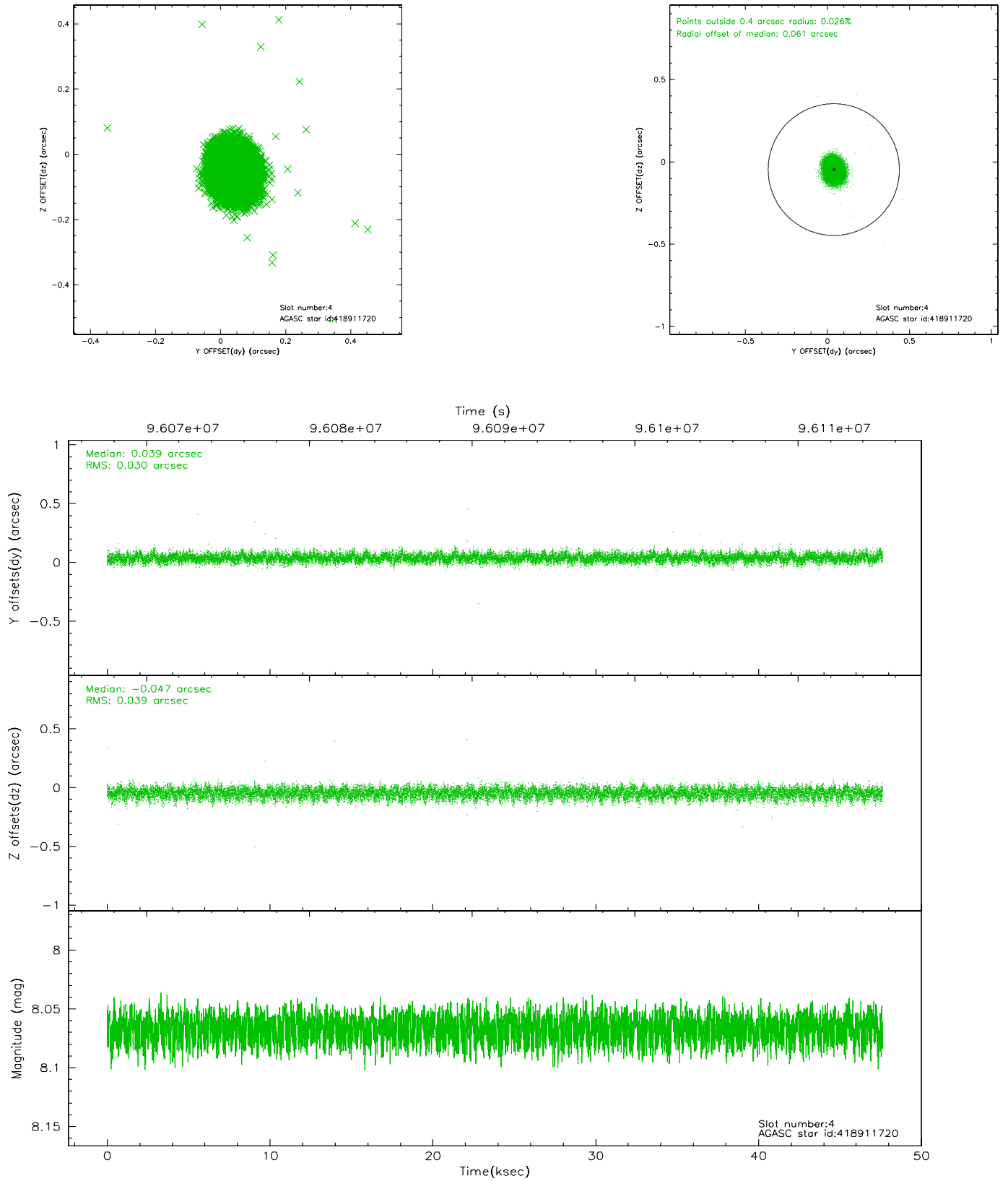
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	11616	0.108	-0.098	0.023	0.059	0.000000	0.000000	-1157.47	-455.03
1	FID	HRC-S-3	6.99	11617	0.167	-0.108	0.024	0.064	0.000000	0.000000	-1160.28	574.47
2	FID	HRC-S-4	6.91	11616	0.112	-0.091	0.008	0.014	0.000000	0.000000	1240.64	577.22
3	GUIDE	418917528	6.65	23235	-0.015	-0.091	0.052	0.081	326.183940	43.429213	1503.52	153.87
4	GUIDE	418911720	8.07	23234	0.039	-0.047	0.051	0.083	325.786180	43.583511	326.05	175.99
5	GUIDE	418919976	8.34	23230	-0.021	-0.022	0.054	0.088	325.082300	43.946188	-1895.48	520.71
6	GUIDE	418921312	8.37	23230	-0.061	0.098	0.071	0.112	325.434453	44.282525	-1623.02	2010.92
7	GUIDE	418387128	8.32	23228	0.054	0.064	0.059	0.096	325.650766	43.010481	942.26	-1824.27

## 2.4 Star Slots

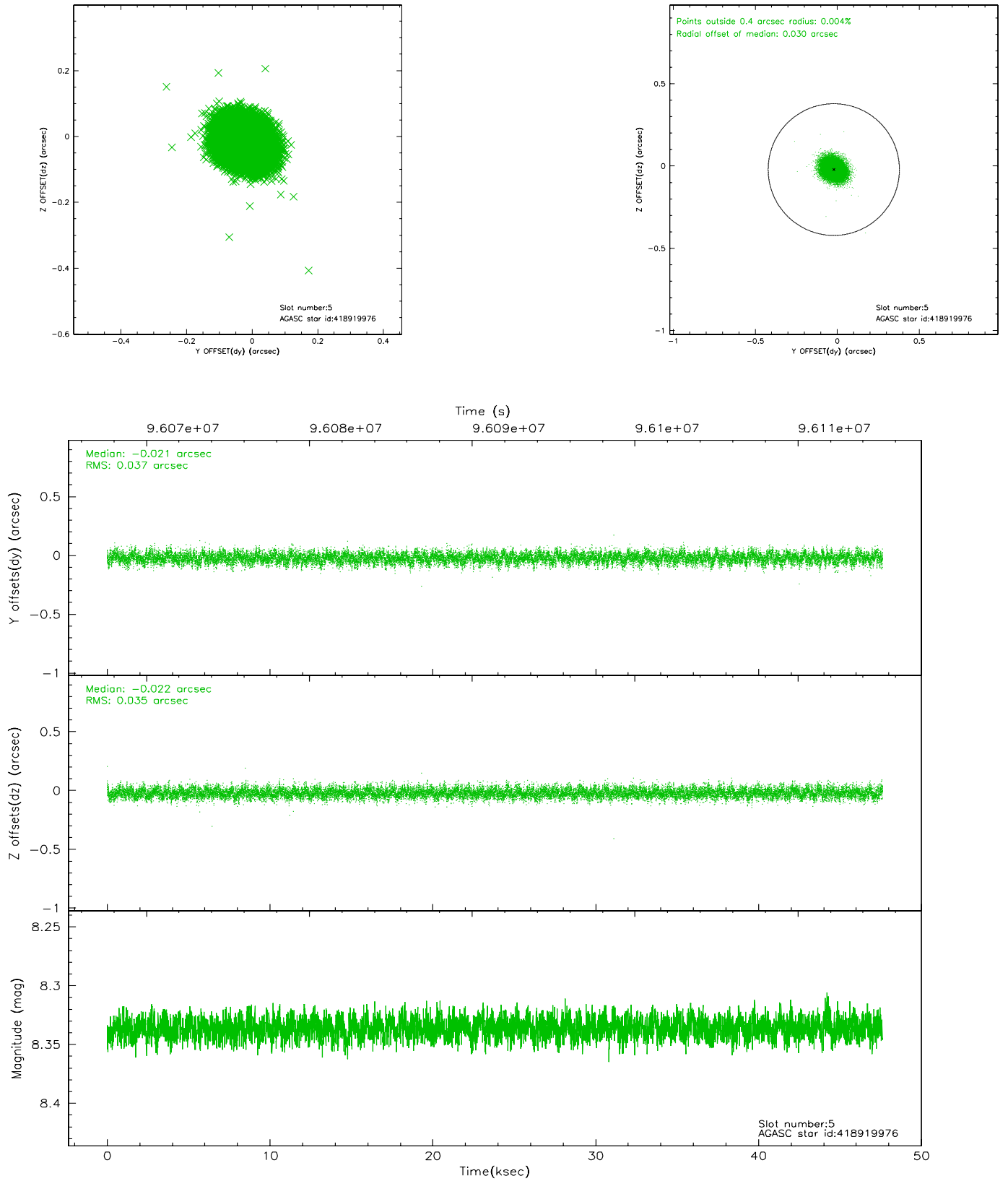
### 2.4.1 Slot 3



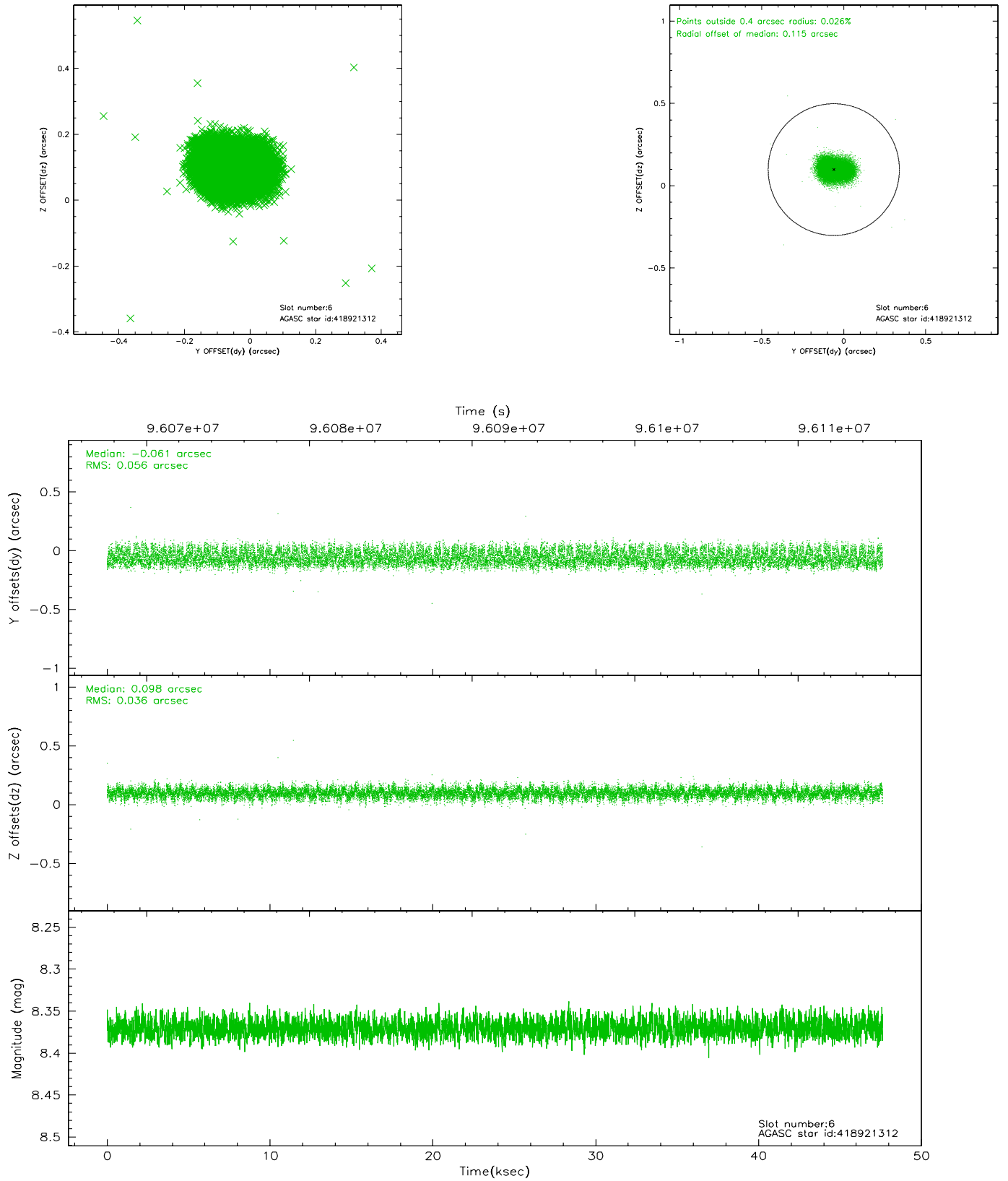
## 2.4.2 Slot 4



### 2.4.3 Slot 5

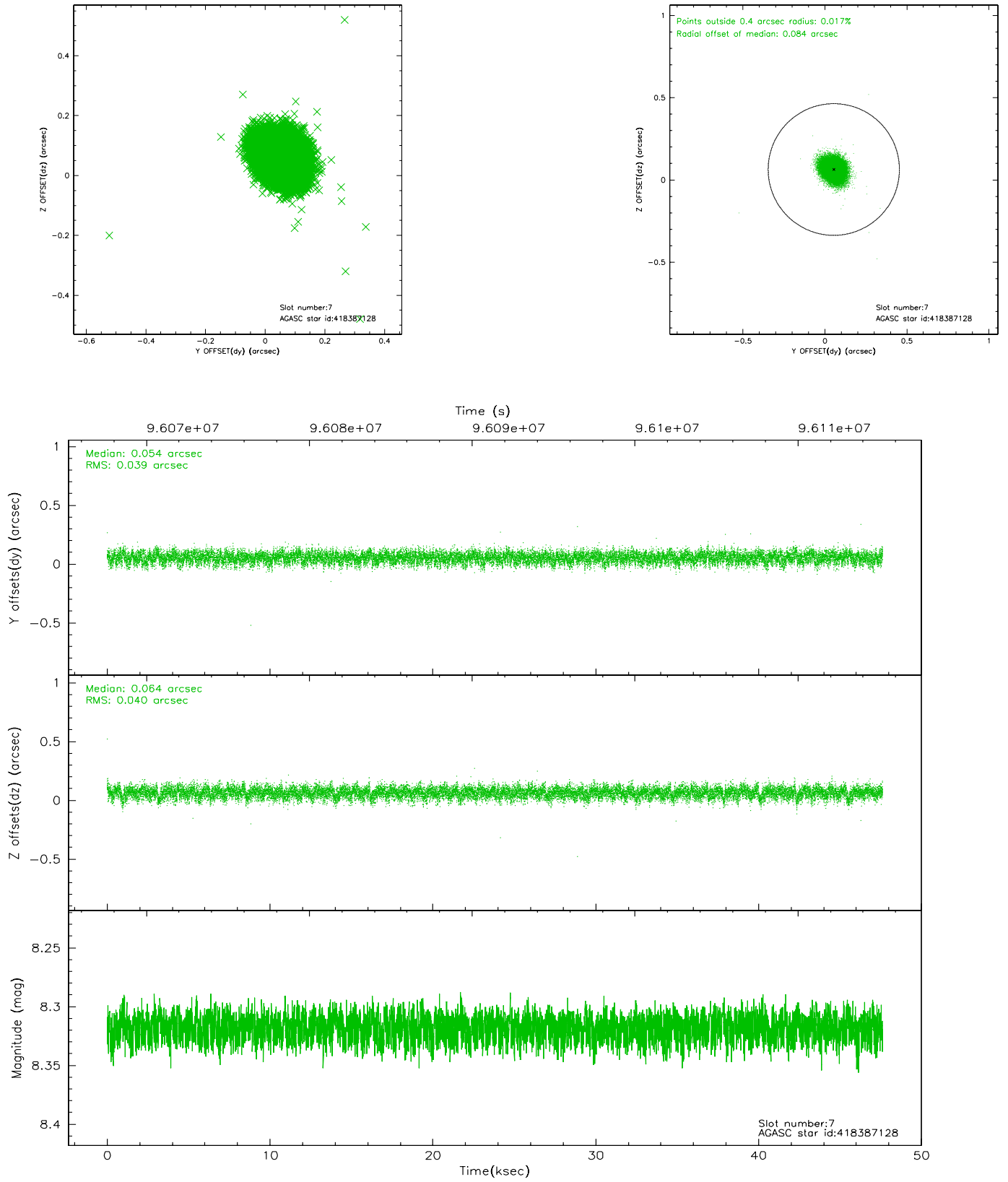


## 2.4.4 Slot 6



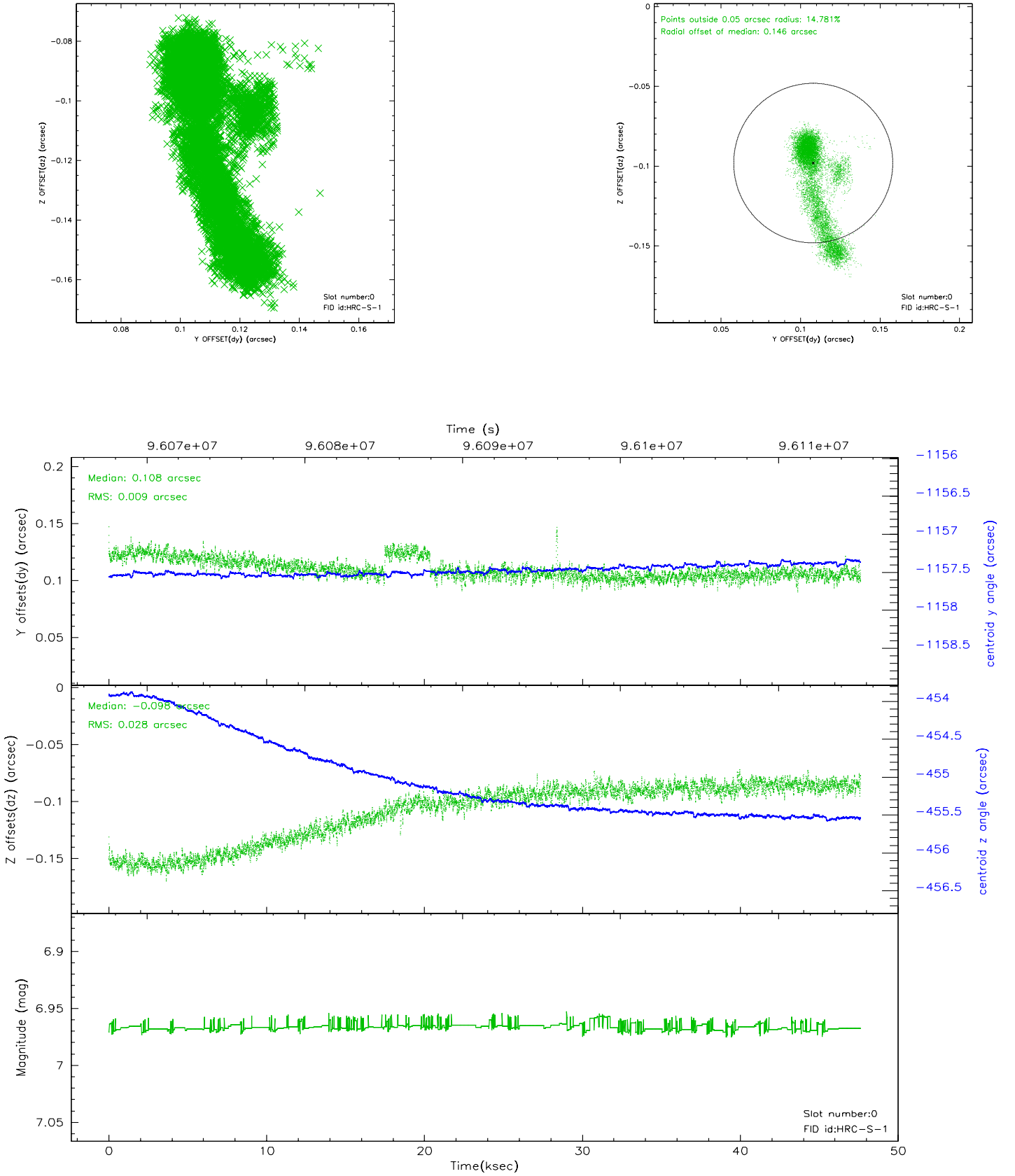


## 2.4.5 Slot 7

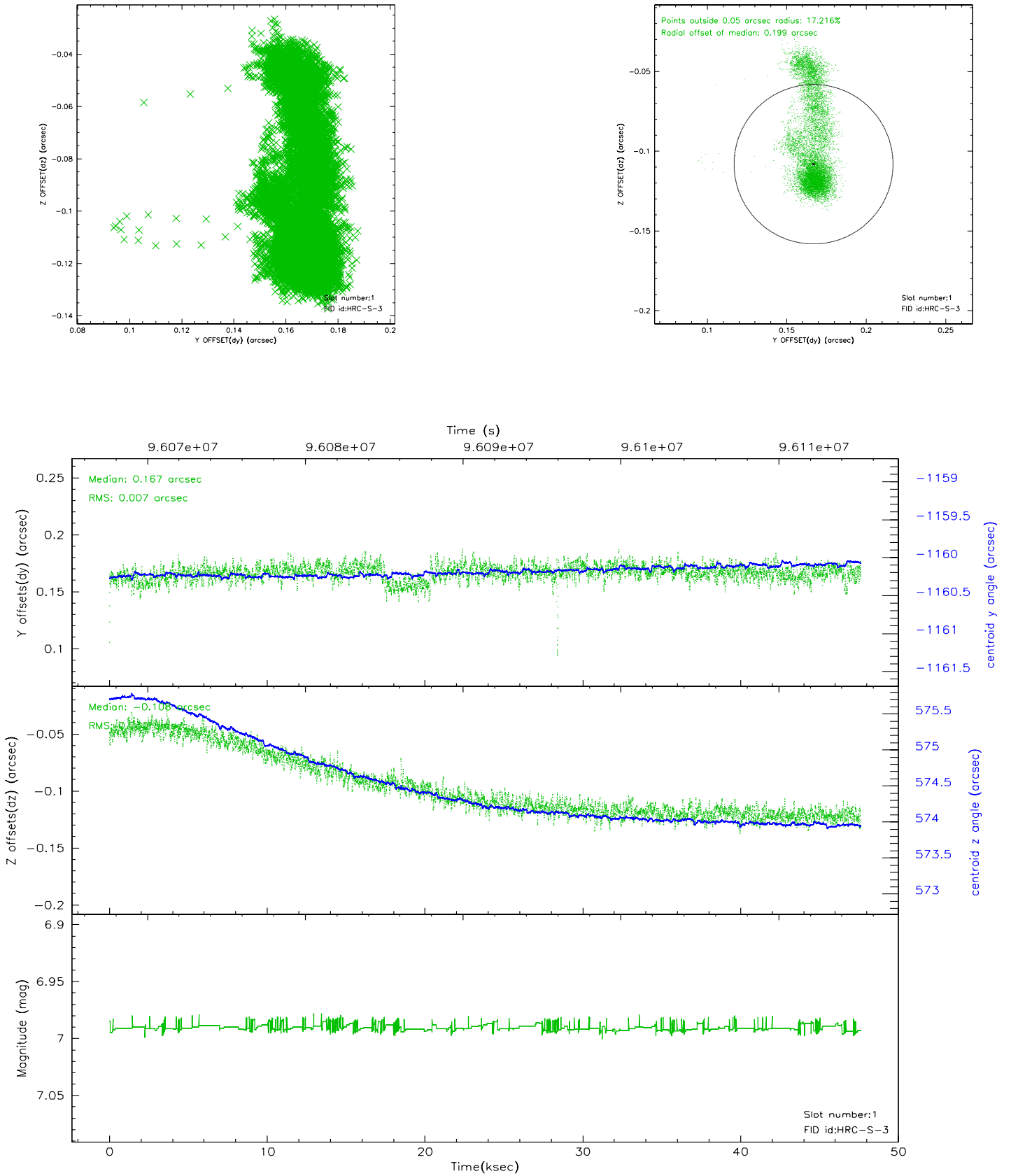


## 2.5 FID Slots

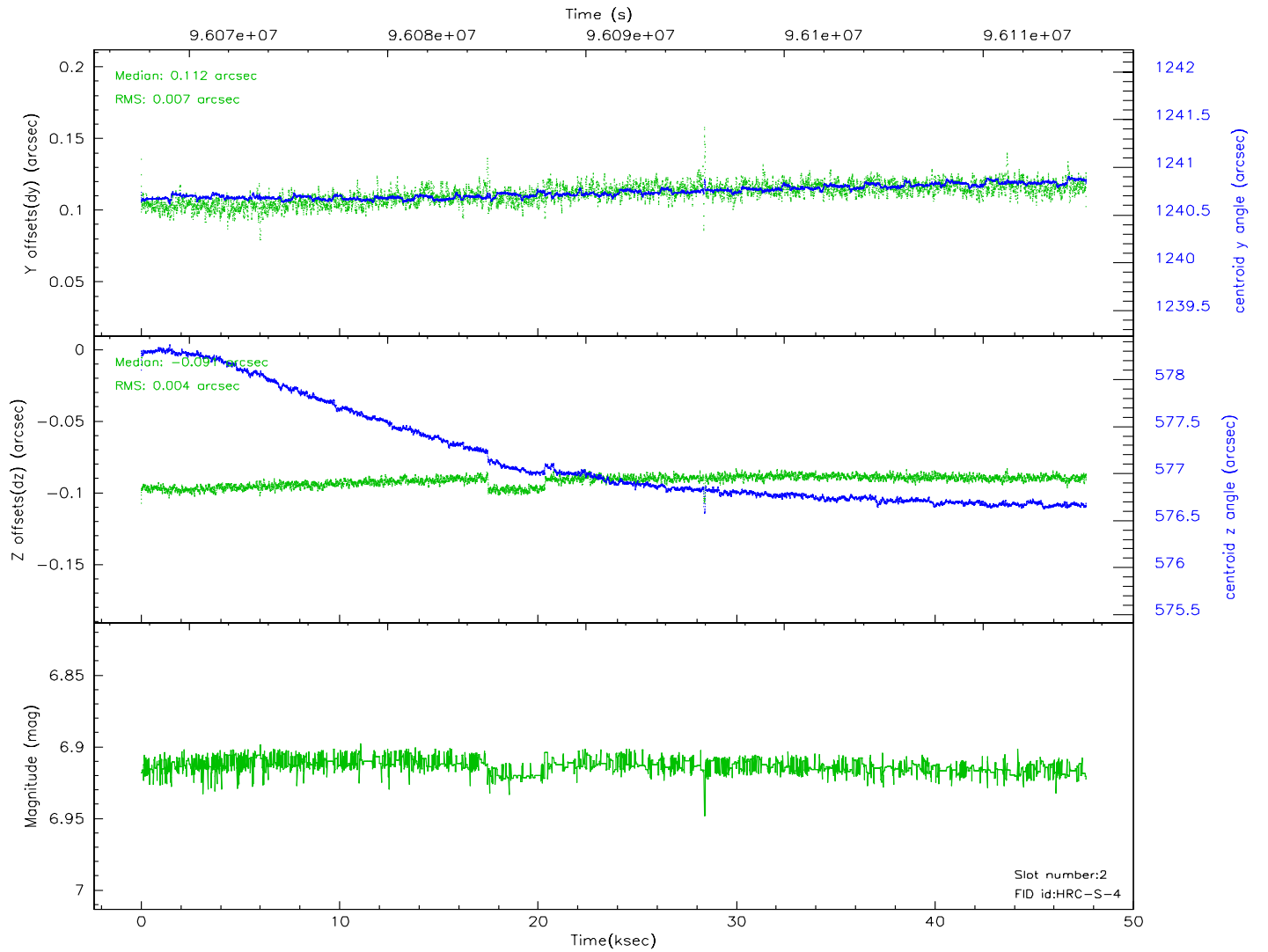
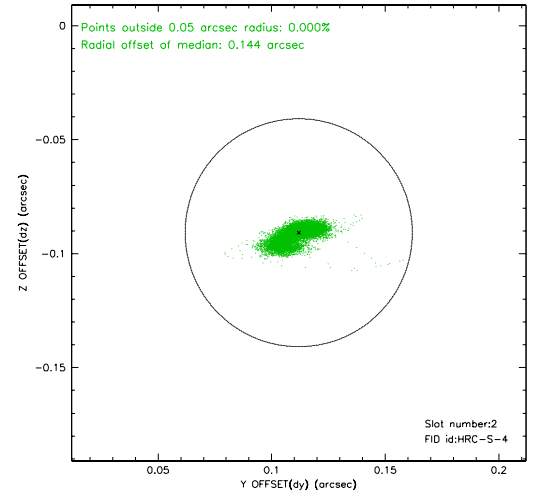
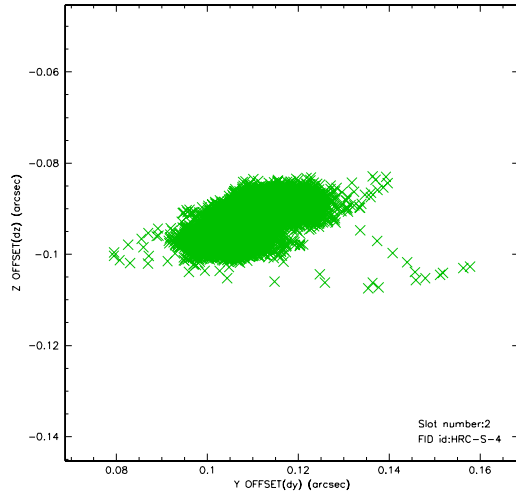
### 2.5.1 Slot 0



## 2.5.2 Slot 1

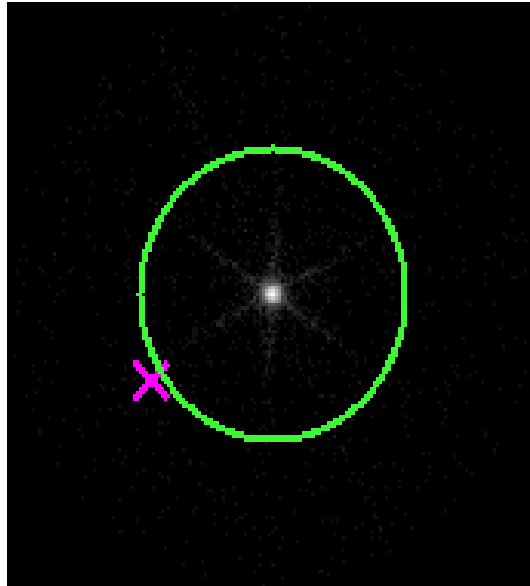


### 2.5.3 Slot 2



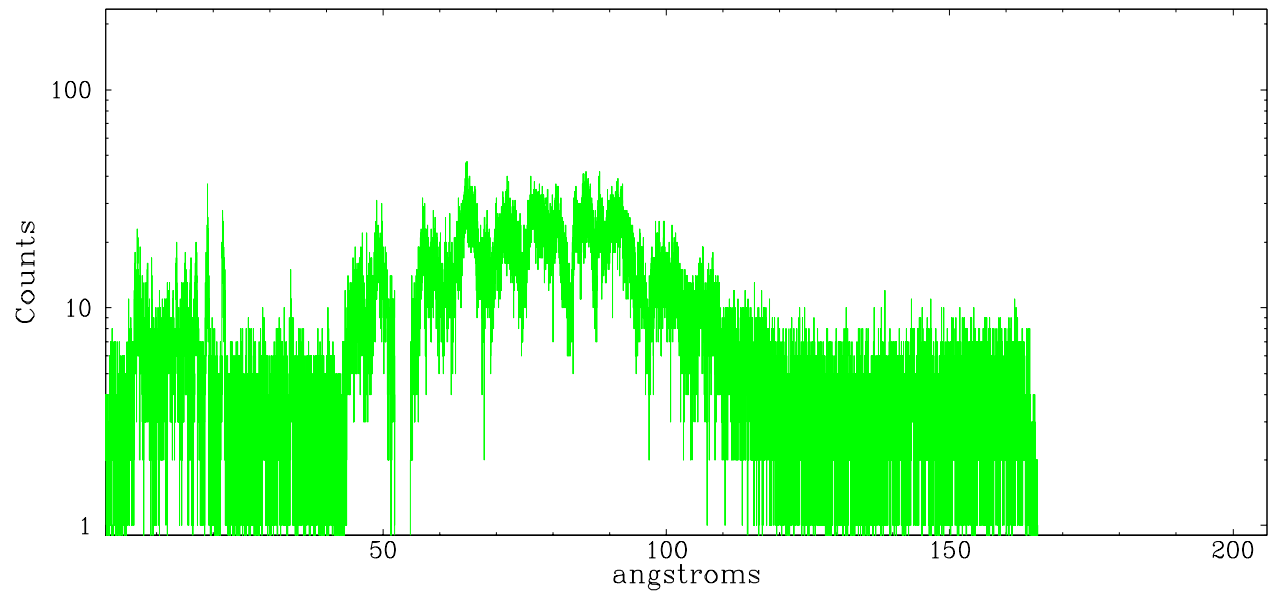
## 3 Gratings

### 3.1 LETG Arm

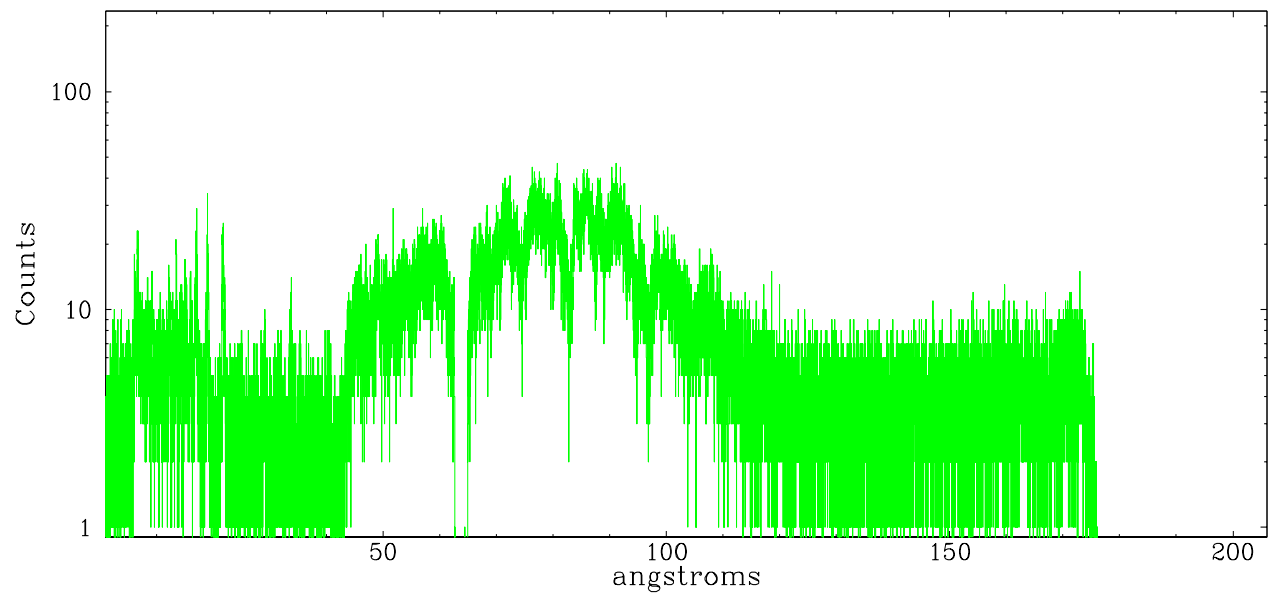


LETG Zero Order

leg order -1



leg order +1



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.11.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.34

### A.2 Comments

Source is found at ra=21:42:42.813, dec=+43:35:10.00, approximately 0.5 arcsec from coordinates requested by observer.