

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1884 - L2 Version 001  
Chandra X-Ray Center

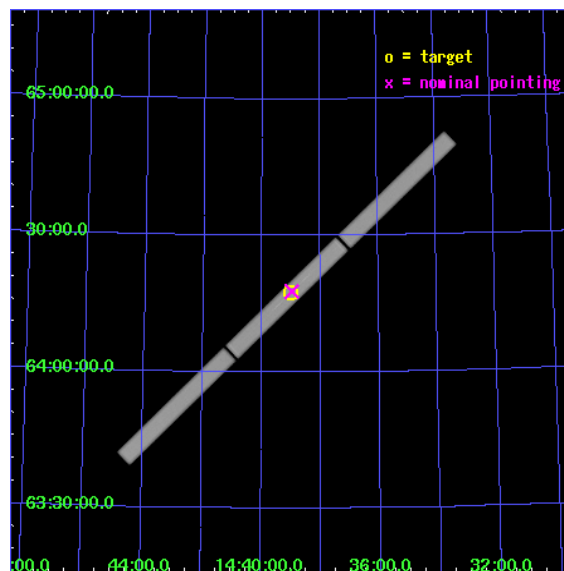
L2 Processing Date : Nov 15 2006

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# 1 Front

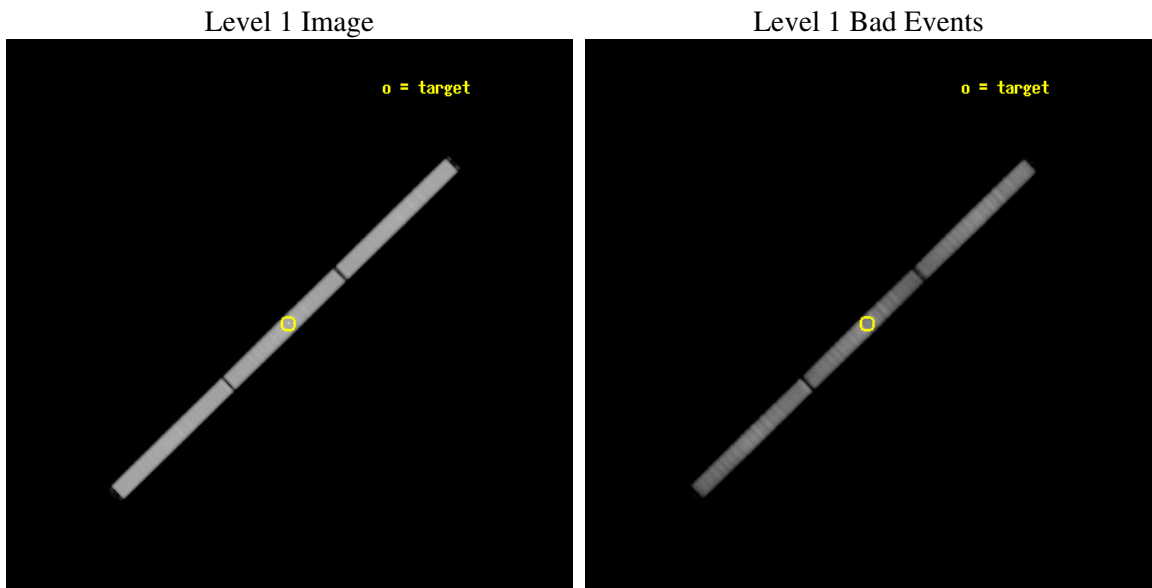
seq_num	200112
obs_id	1884
title	X-RAY SPECTROSCOPY OF THE SUN IN TIME: A STUDY OF CORONAL PHYSICS OF SOLAR-TYPE STARS AT DIFFERENT AGES
observer	Dr. Manuel Guedel
object	EK DRA
ra_targ	219.750833
dec_targ	64.291667
ra_nom	219.74313997316
dec_nom	64.295151768029
roll_nom	135.88817715425
revision	3
ontime	65918.008790687
livetime	65549.928686937
l2events	2595453



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-11-15T19:05:13
revision	4

sched_exp_time	65727.529000
ontime	65922.87755096
l1events	4091688

### 2.1.3 Events

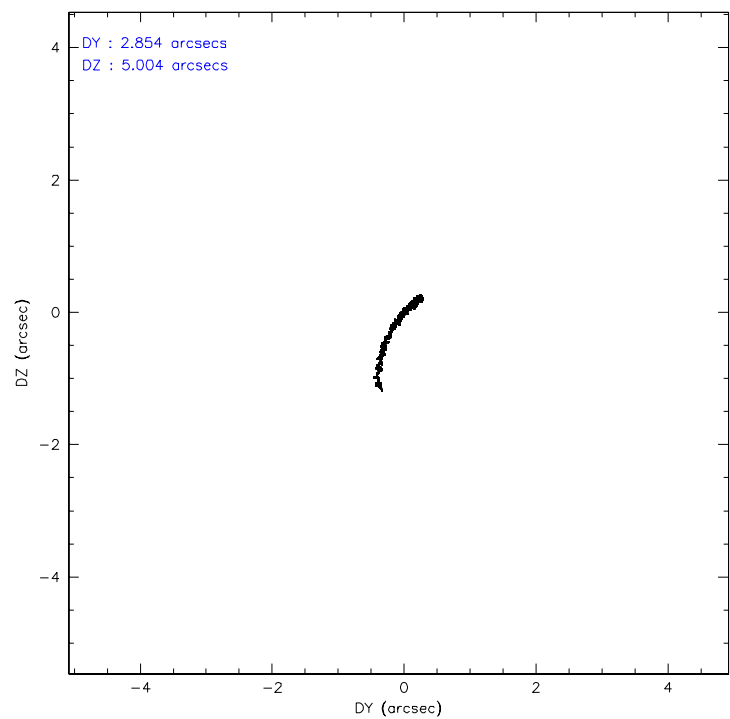
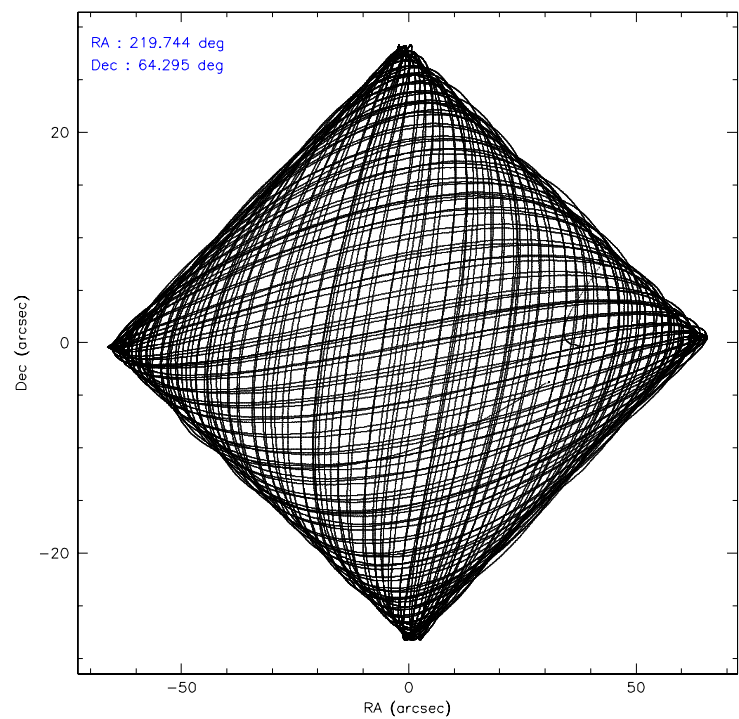
Level 1 Events

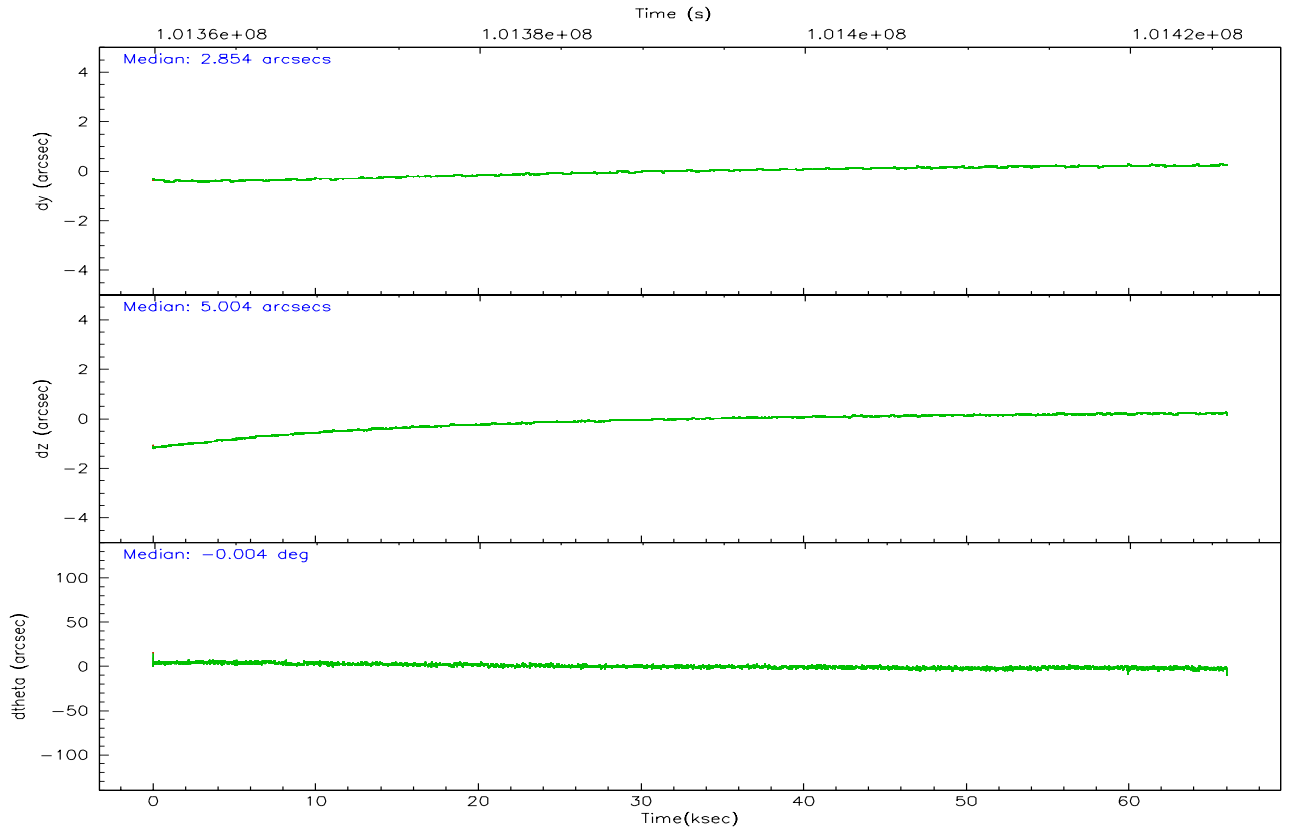
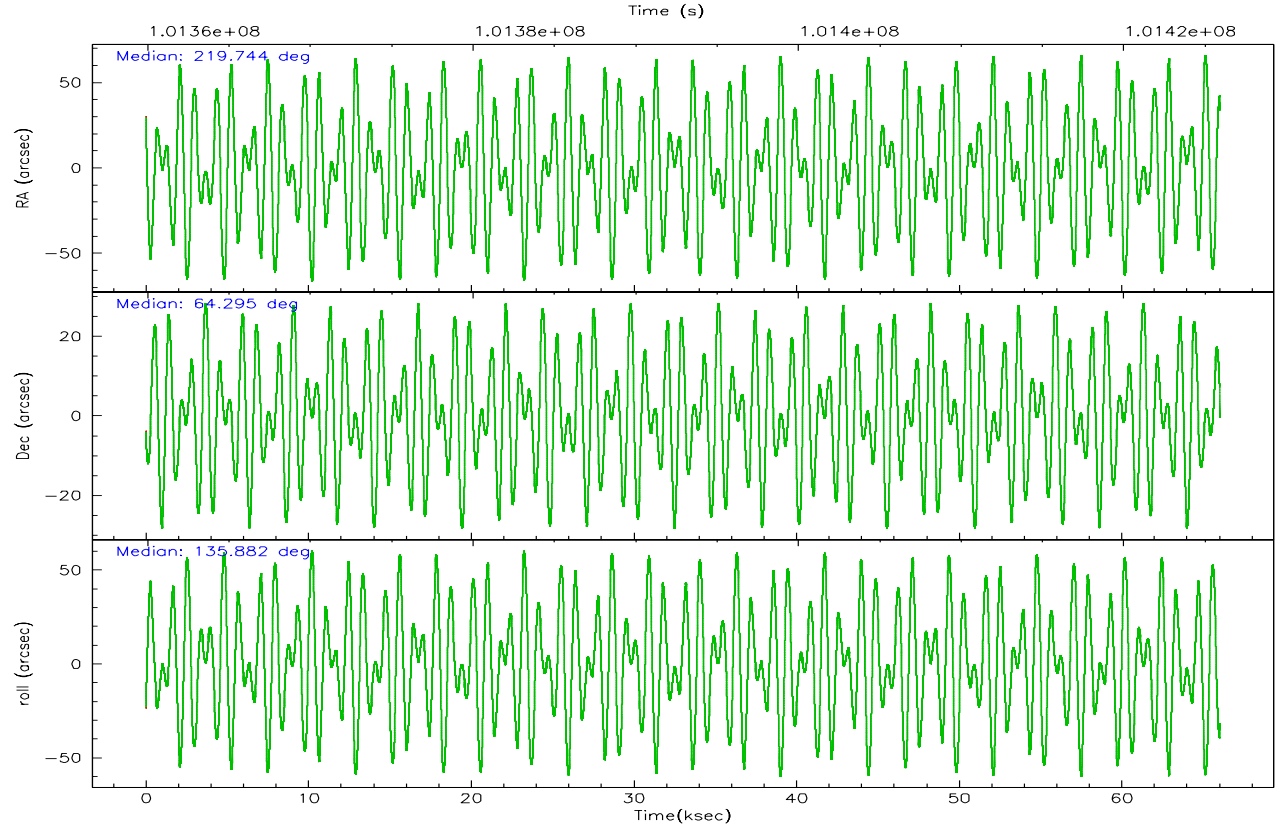
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1368047	1347098	1376543
rejected events	340149	364315	410724
rejected %	24%	27%	29%

## 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	219.807953	219.7431399731639			
Pointing Dec	64.289424	64.295151768029			
Pointing Roll	135.762439	135.8881771542461			
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	101360082.184000	101359238.49547			
Observation start date	2001-03-19T03:33:38	2001-03-19T03:20:38			
Observation end time	101425809.184000	101426481.06058			
Observation end date	2001-03-19T21:49:05	2001-03-19T22:01:21			

## 2.3 Aspect



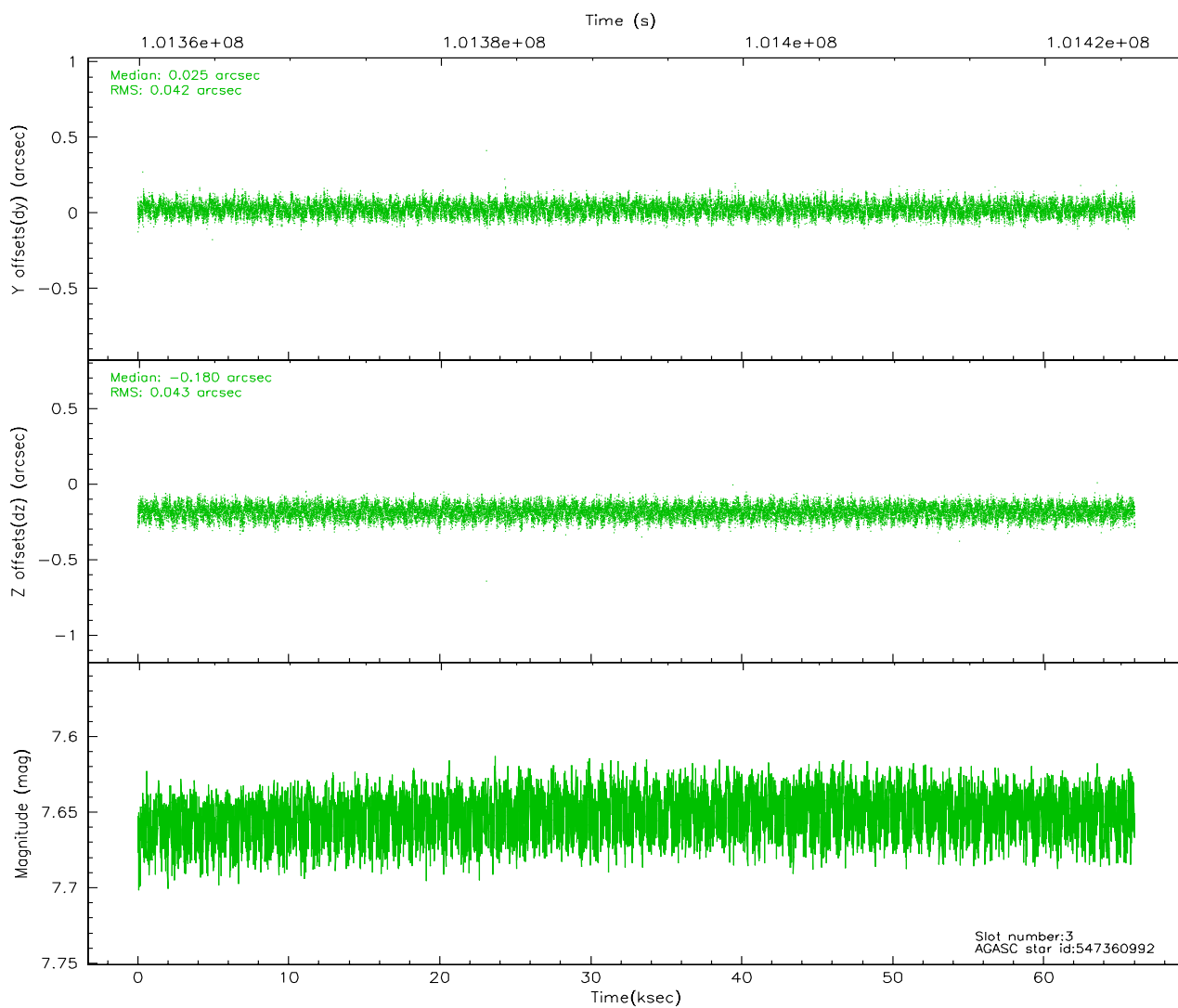
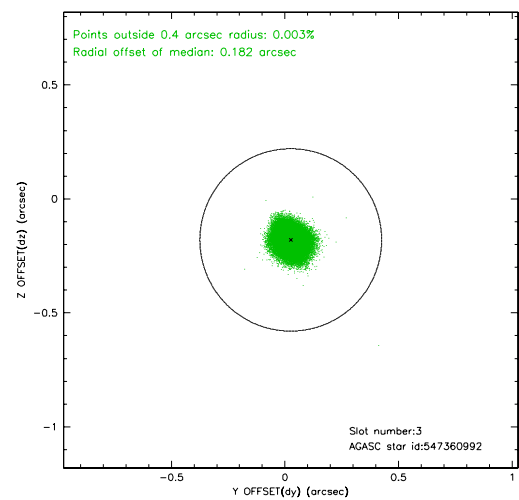
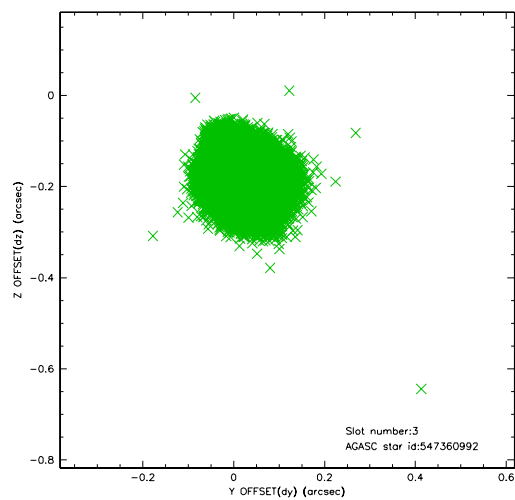


### Slot Statistics

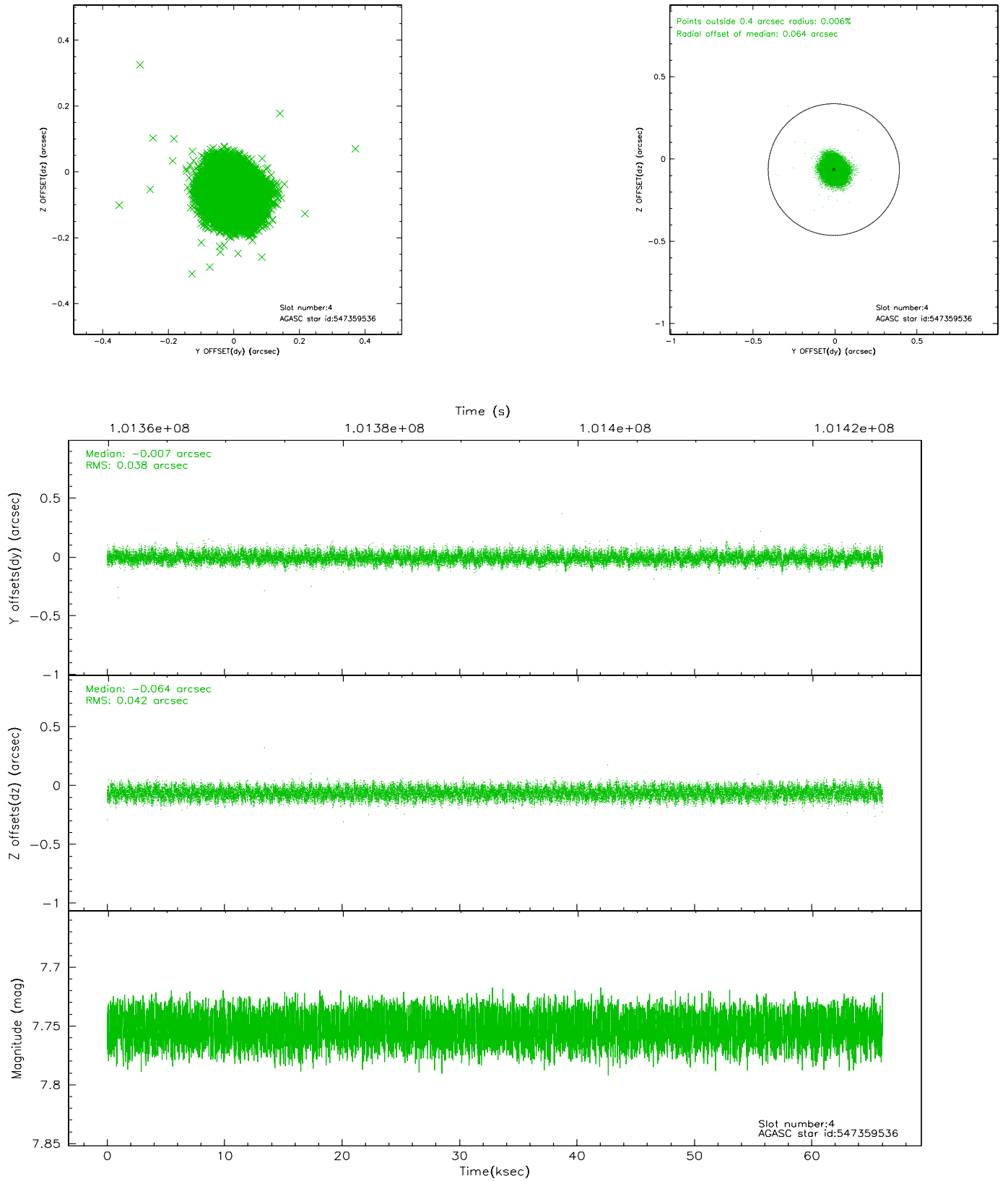
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	16099	0.121	-0.160	0.012	0.041	0.000000	0.000000	-1156.87	-453.39
1	FID	HRC-S-3	7.01	16096	0.138	-0.042	0.011	0.035	0.000000	0.000000	-1159.65	576.22
2	FID	HRC-S-4	6.95	16096	0.128	-0.096	0.006	0.010	0.000000	0.000000	1241.32	578.80
3	GUIDE	547360992	7.65	32211	0.025	-0.180	0.066	0.100	219.750899	64.291622	70.10	56.62
4	GUIDE	547359536	7.75	32204	-0.007	-0.064	0.061	0.095	219.845125	64.153936	-381.43	308.87
5	GUIDE	547366192	8.77	32187	-0.056	0.069	0.070	0.110	220.756093	64.173367	-1348.45	-745.81
6	GUIDE	547750320	9.07	32205	-0.002	0.090	0.086	0.137	219.694878	65.044985	2021.53	-1828.67
7	GUIDE	547356864	9.33	32192	0.038	0.088	0.081	0.137	219.552498	64.066331	-270.99	855.60

## 2.4 Star Slots

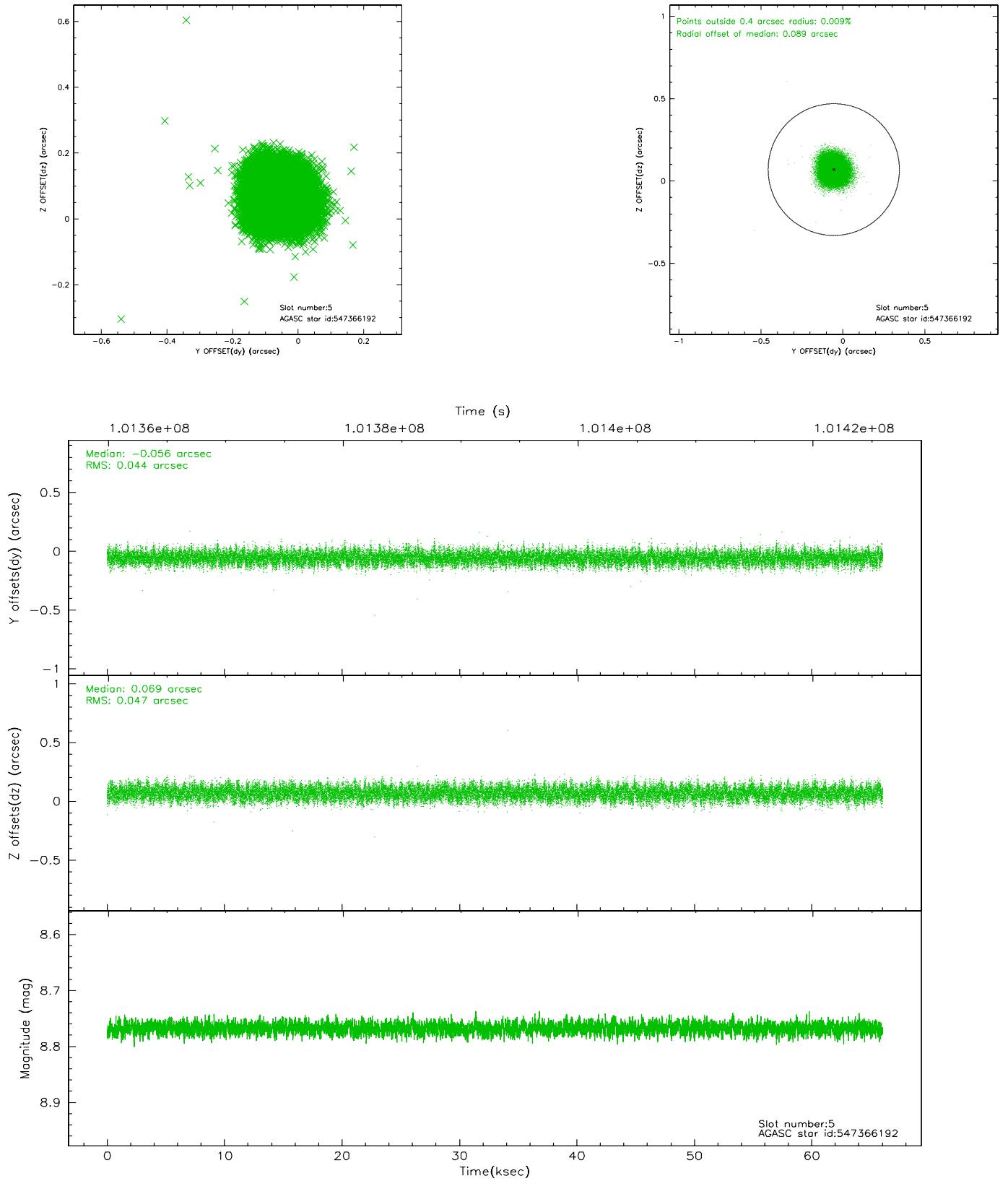
### 2.4.1 Slot 3



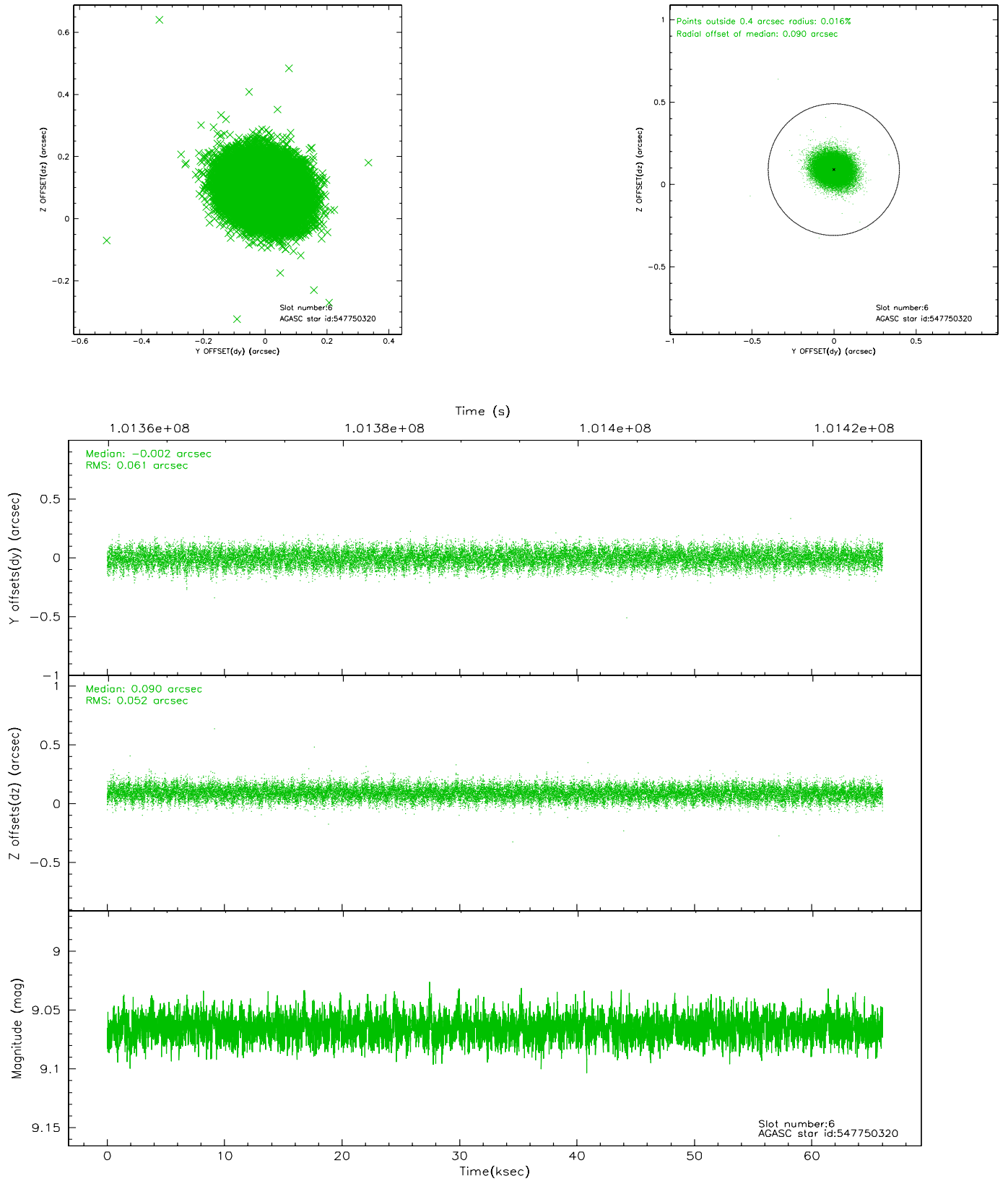
## 2.4.2 Slot 4



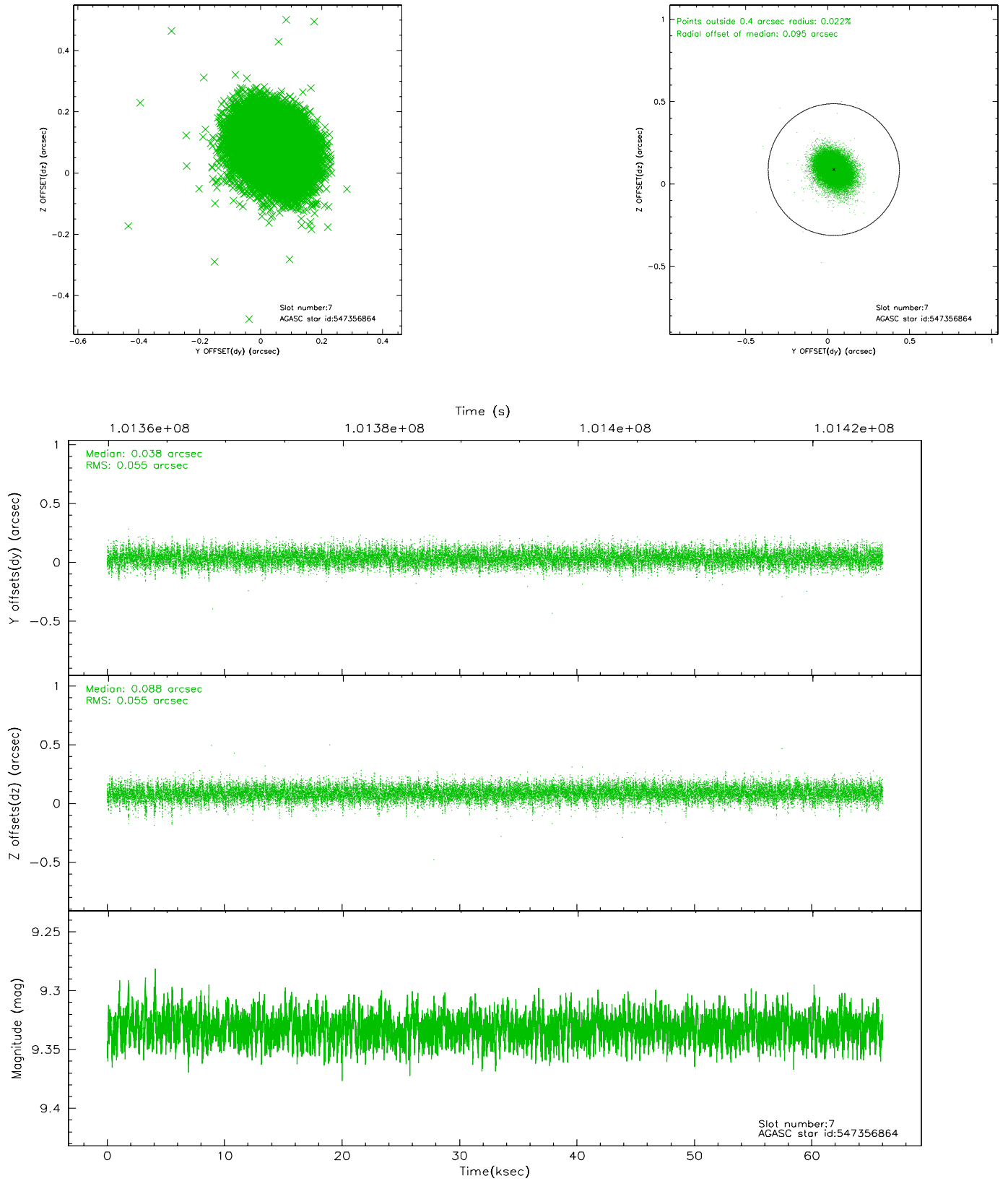
### 2.4.3 Slot 5



## 2.4.4 Slot 6

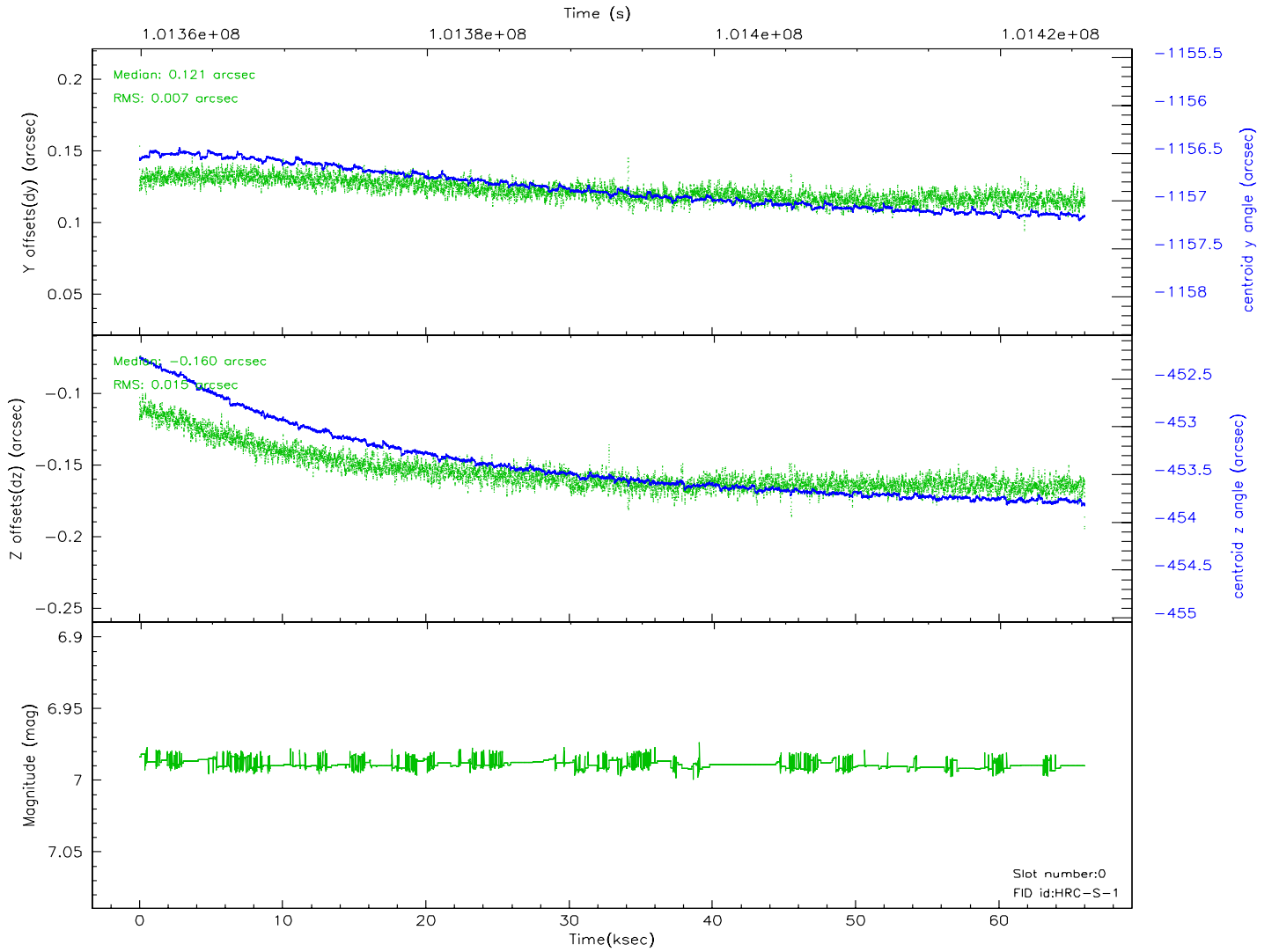
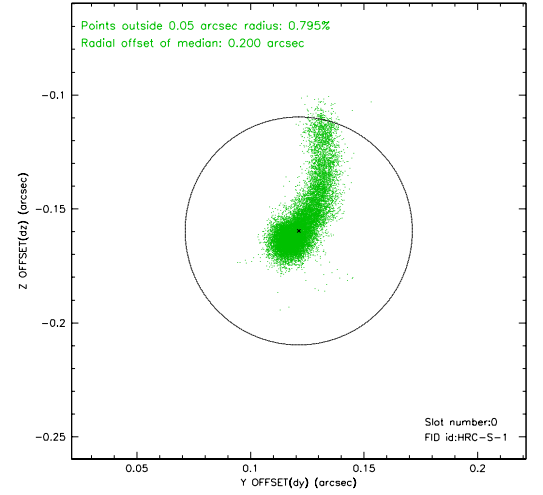
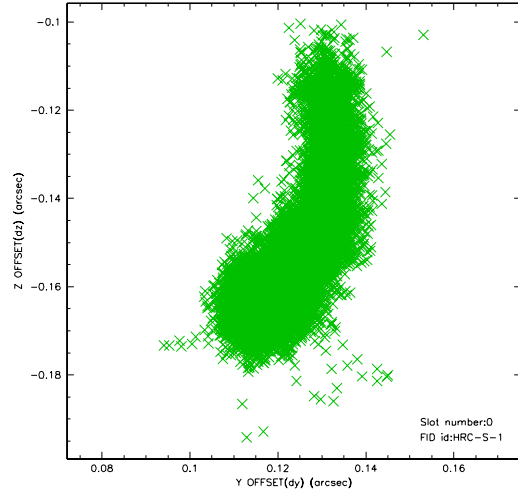


## 2.4.5 Slot 7

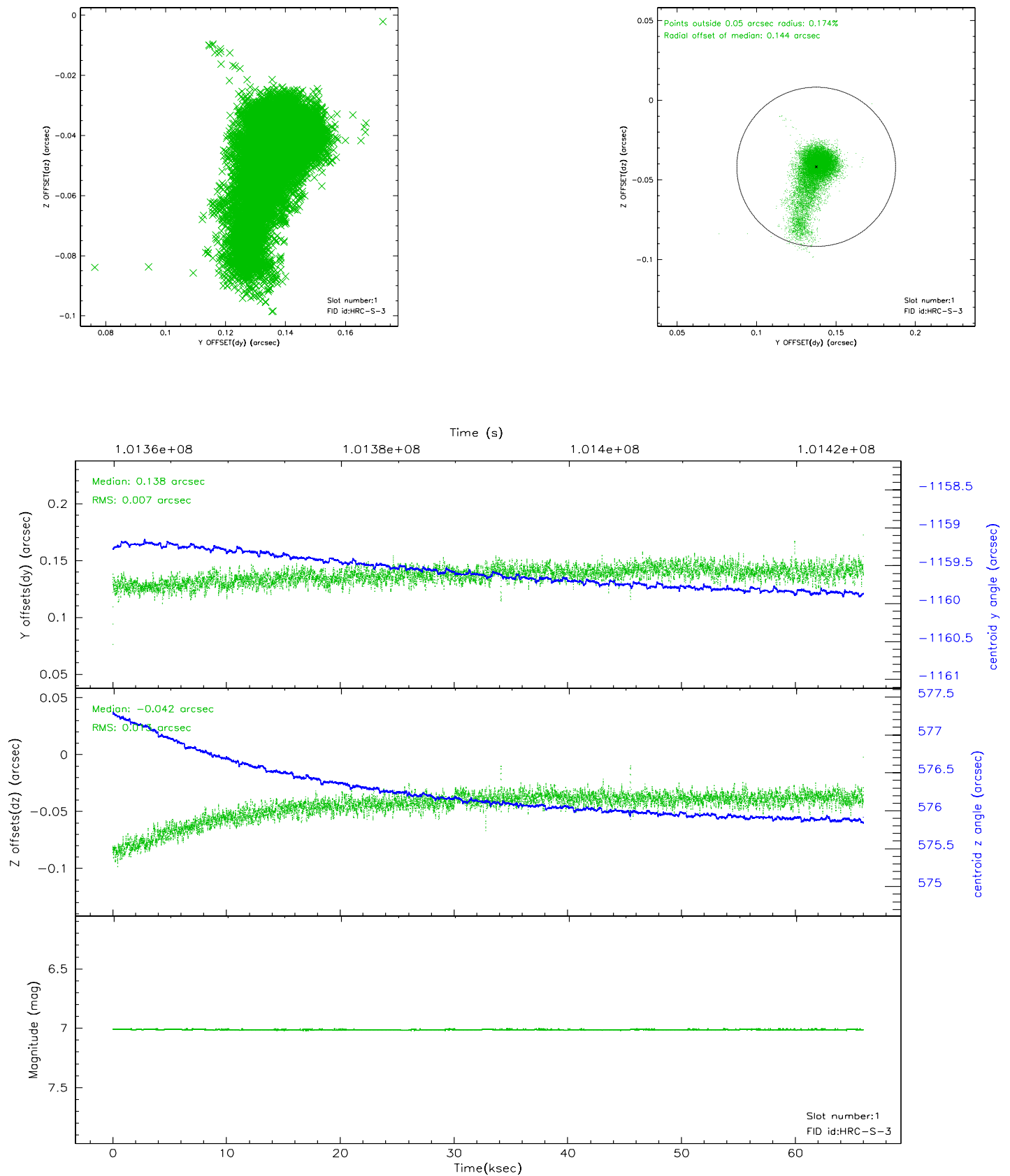


## 2.5 FID Slots

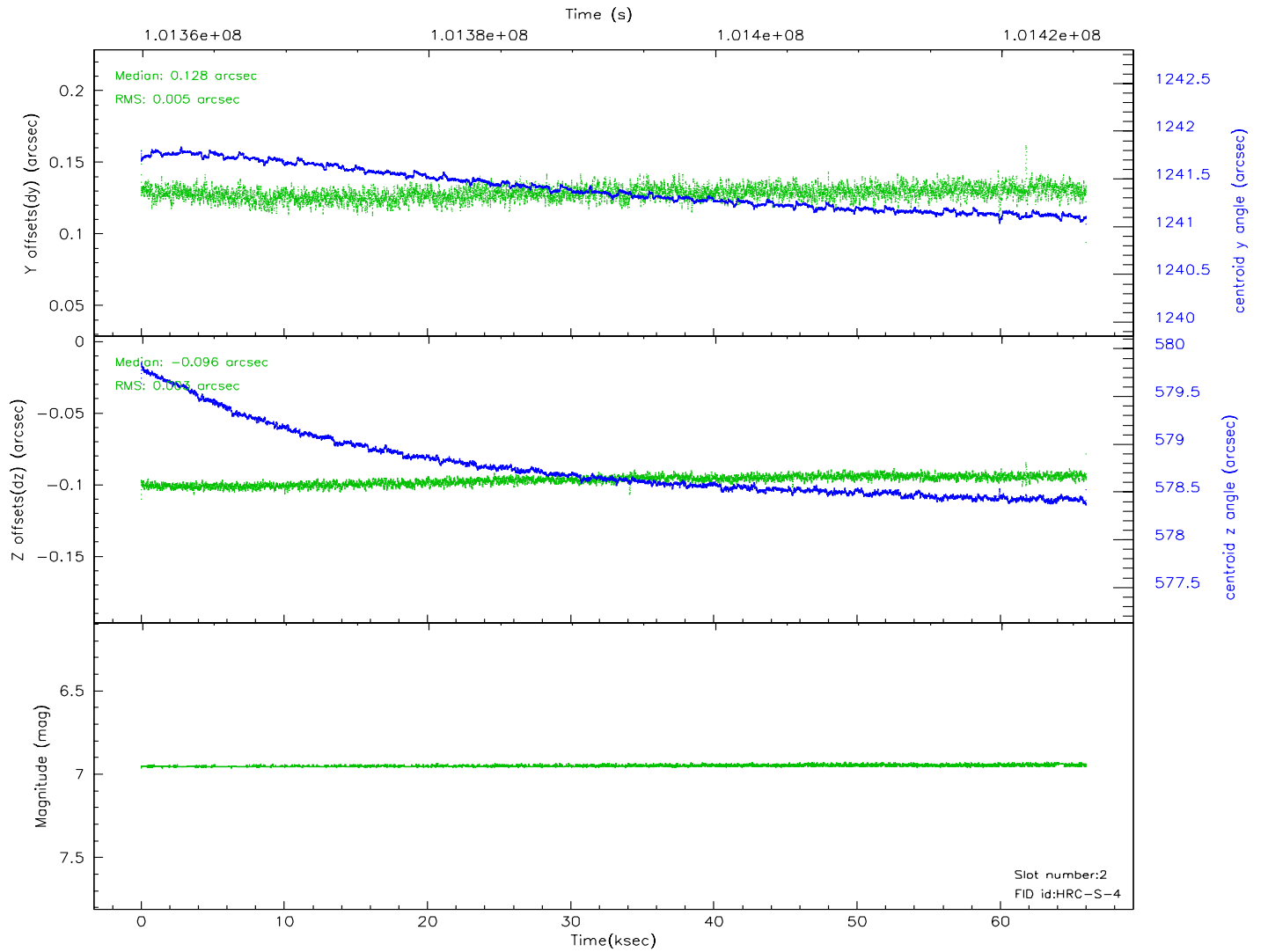
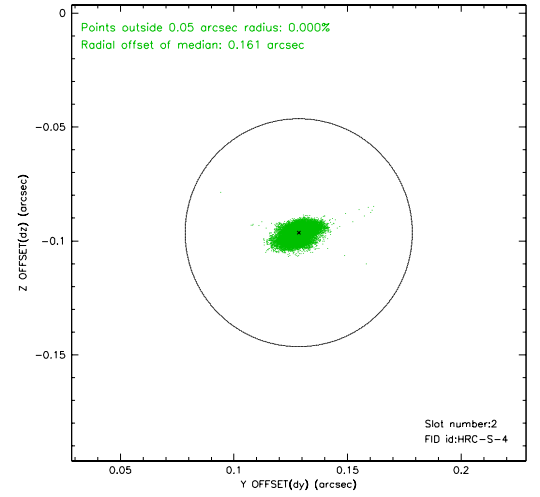
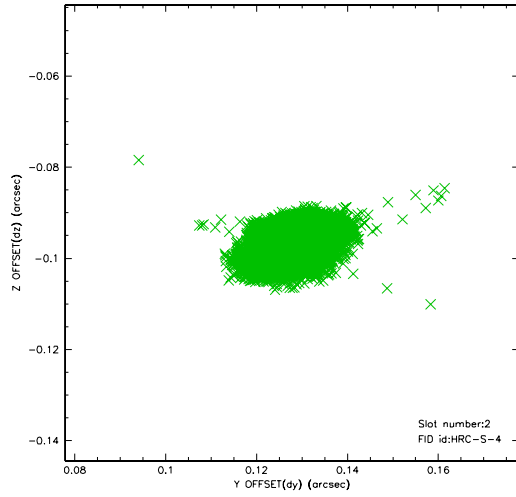
### 2.5.1 Slot 0



## 2.5.2 Slot 1

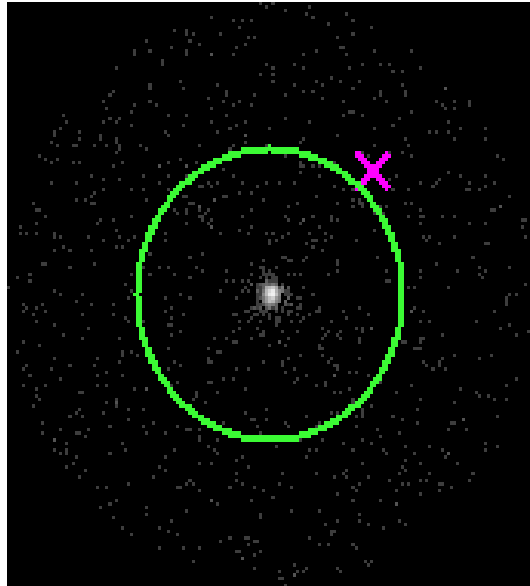


### 2.5.3 Slot 2



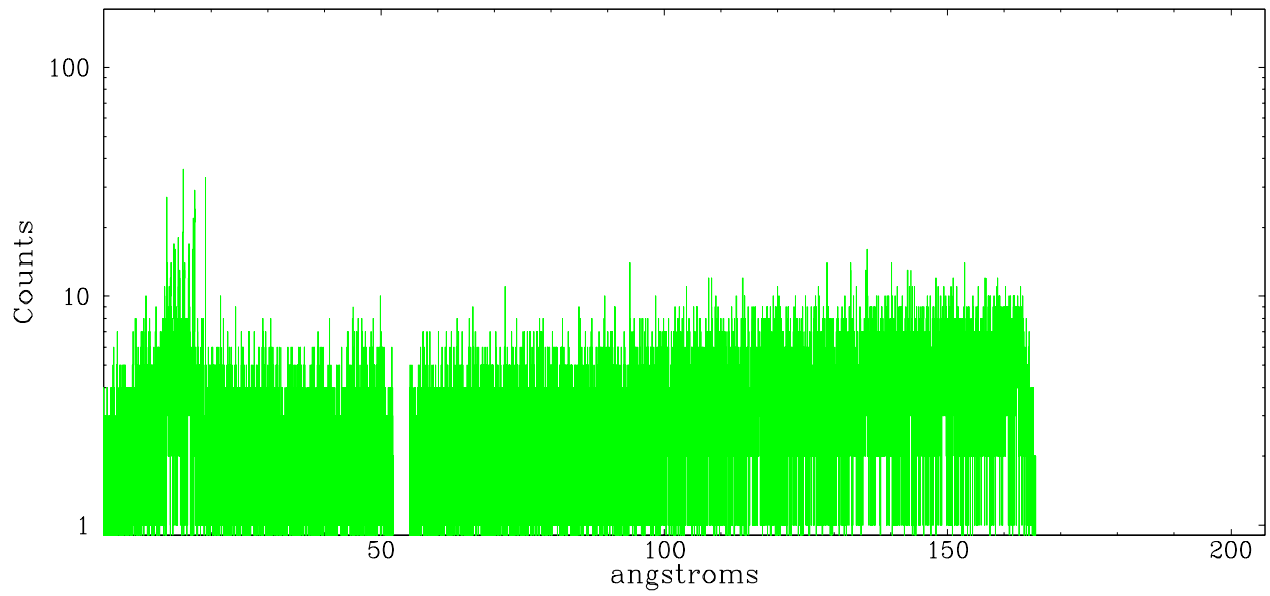
## 3 Gratings

### 3.1 LETG Arm

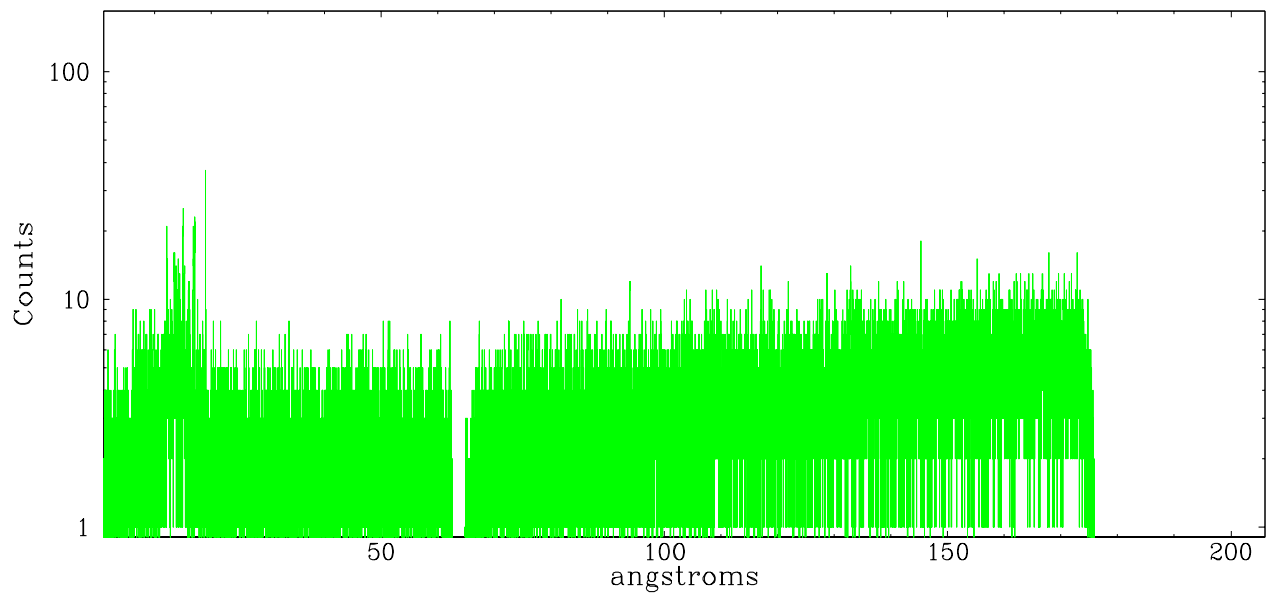


LETG Zero Order

leg order -1



leg order +1



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	65.742

### A.2 Comments