

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 1396 - L2 Version 4

Chandra X-Ray Center

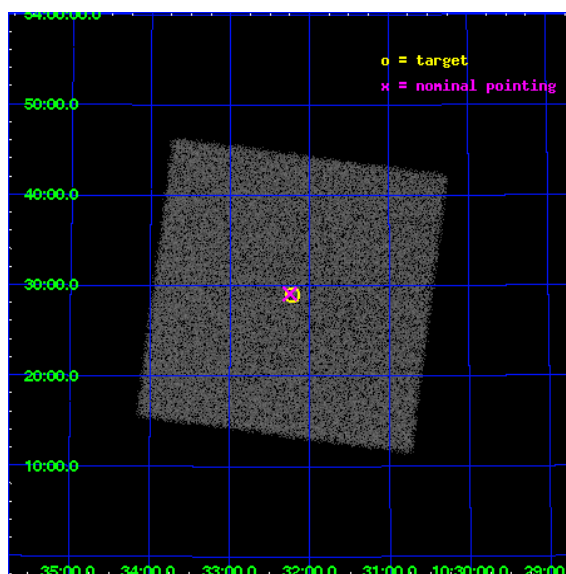
L2 Processing Date : Nov 20 2009

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# 1 Front

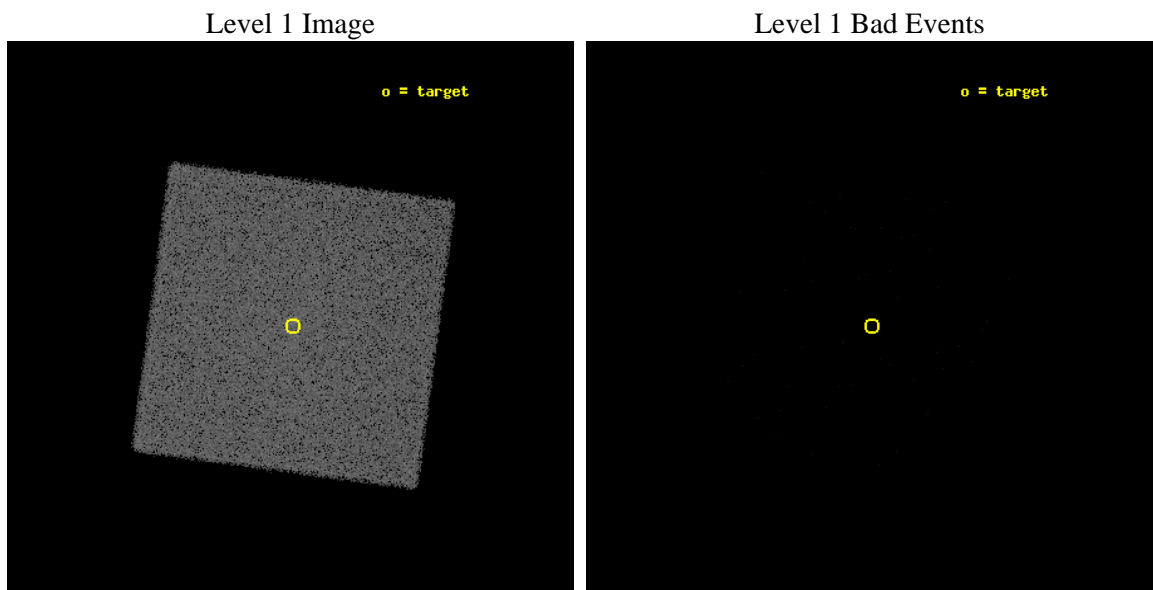
seq_num	280346	Sequence number
obs_id	1396	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	2REJ1032+532	Source name
ra_targ	158.054167	Observer's specified target RA
dec_targ	53.483333	Observer's specified target Dec
ra_nom	158.06179661163	Nominal RA
dec_nom	53.485570891944	Nominal Dec
roll_nom	52.589715865146	Nominal Roll
revision	4	Processing version of data
ontime	3218.7563661039	[s]
livetime	3198.5192577284	Ontime multiplied by DTCOR
l2events	93371	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	Scheduled observation exposure time
ascdsver	8.1.1	Processing system revision	ontime	3218.7563661039	[s]
caldbver	4.1.4	&#160	l1events	147524	Number of level 1 events
date	2009-11-20T17:01:39	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

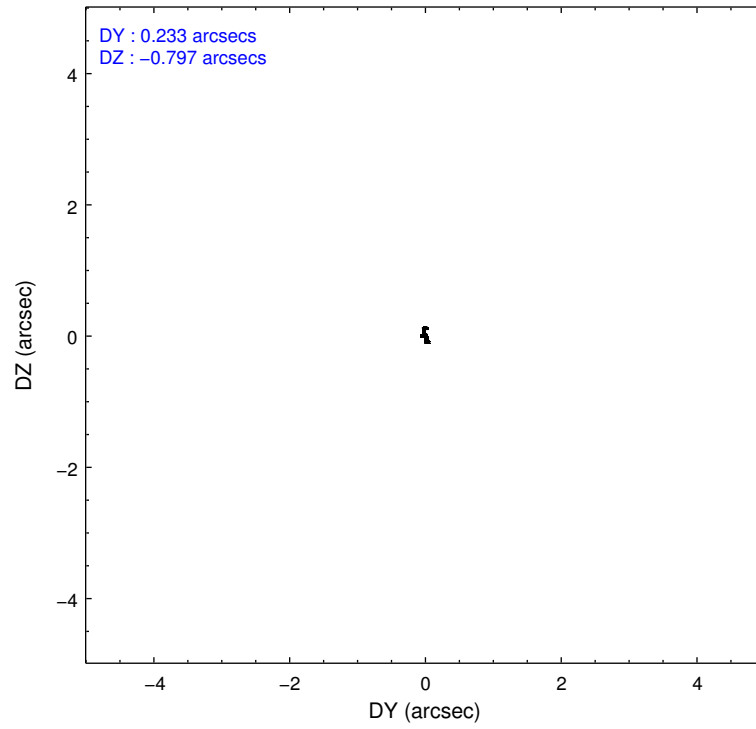
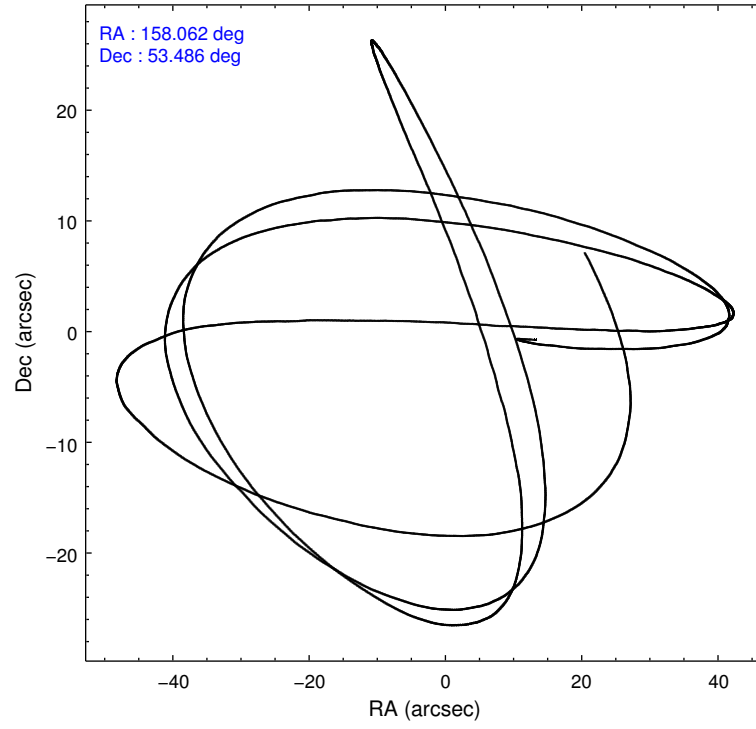
	<b>segment 0</b>
level 1 events	147524
rejected events	2335
rejected %	1%

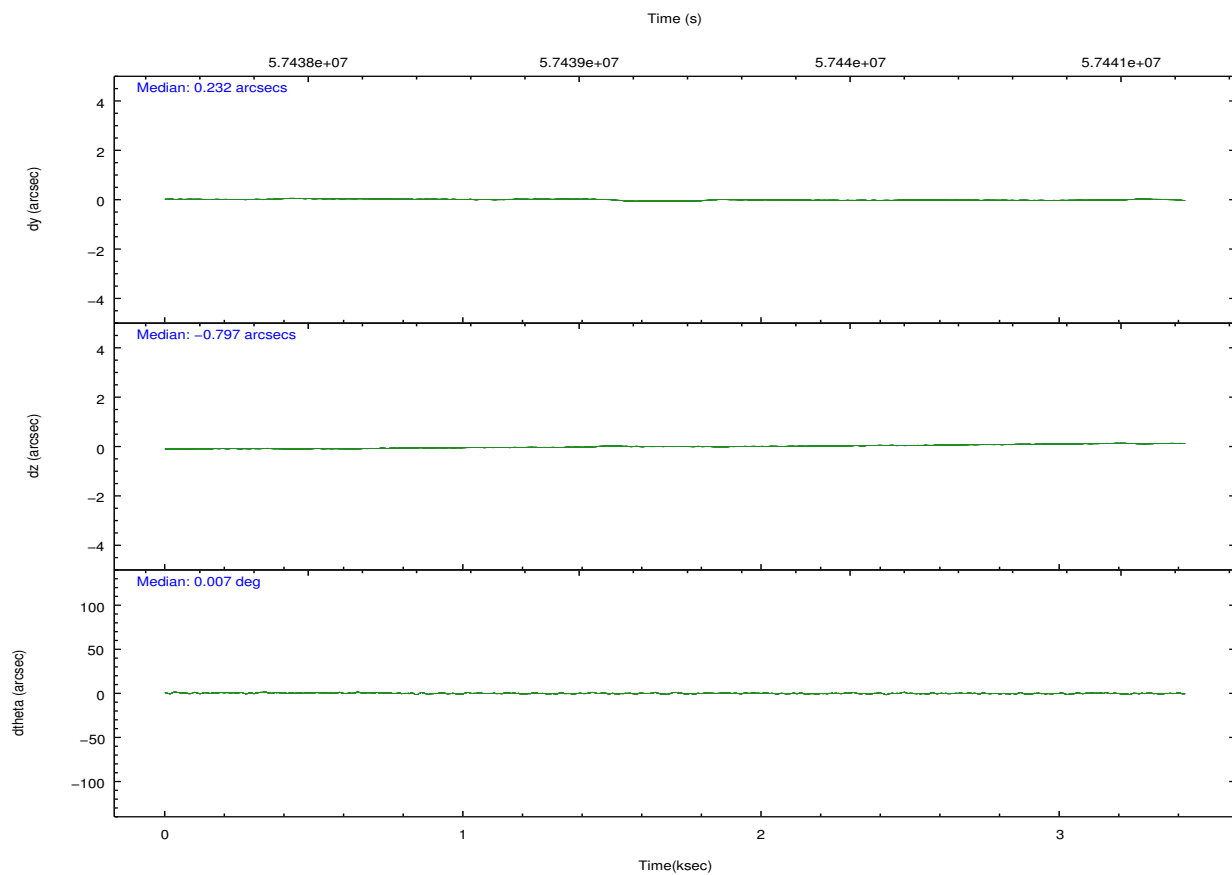
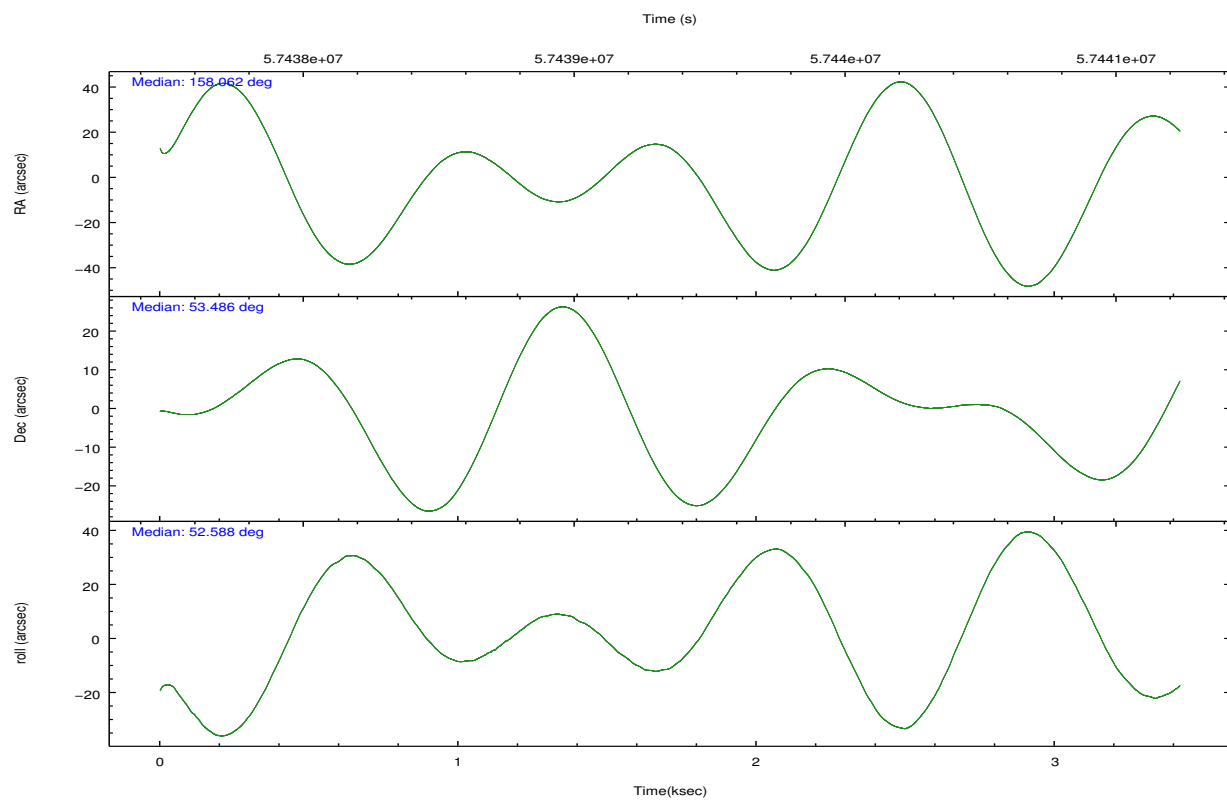


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	158.055426	158.0617966116337			
Pointing Dec	53.458457	53.48557089194427			
Pointing Roll	52.690335	52.58971586514603			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	57438066.184000	57436697.356605			
Observation start date	1999-10-27T19:00:02	1999-10-27T18:38:17			
Observation end time	57441066.184000	57441200.694267			
Observation end date	1999-10-27T19:50:02	1999-10-27T19:53:20			

## 2.3 Aspect



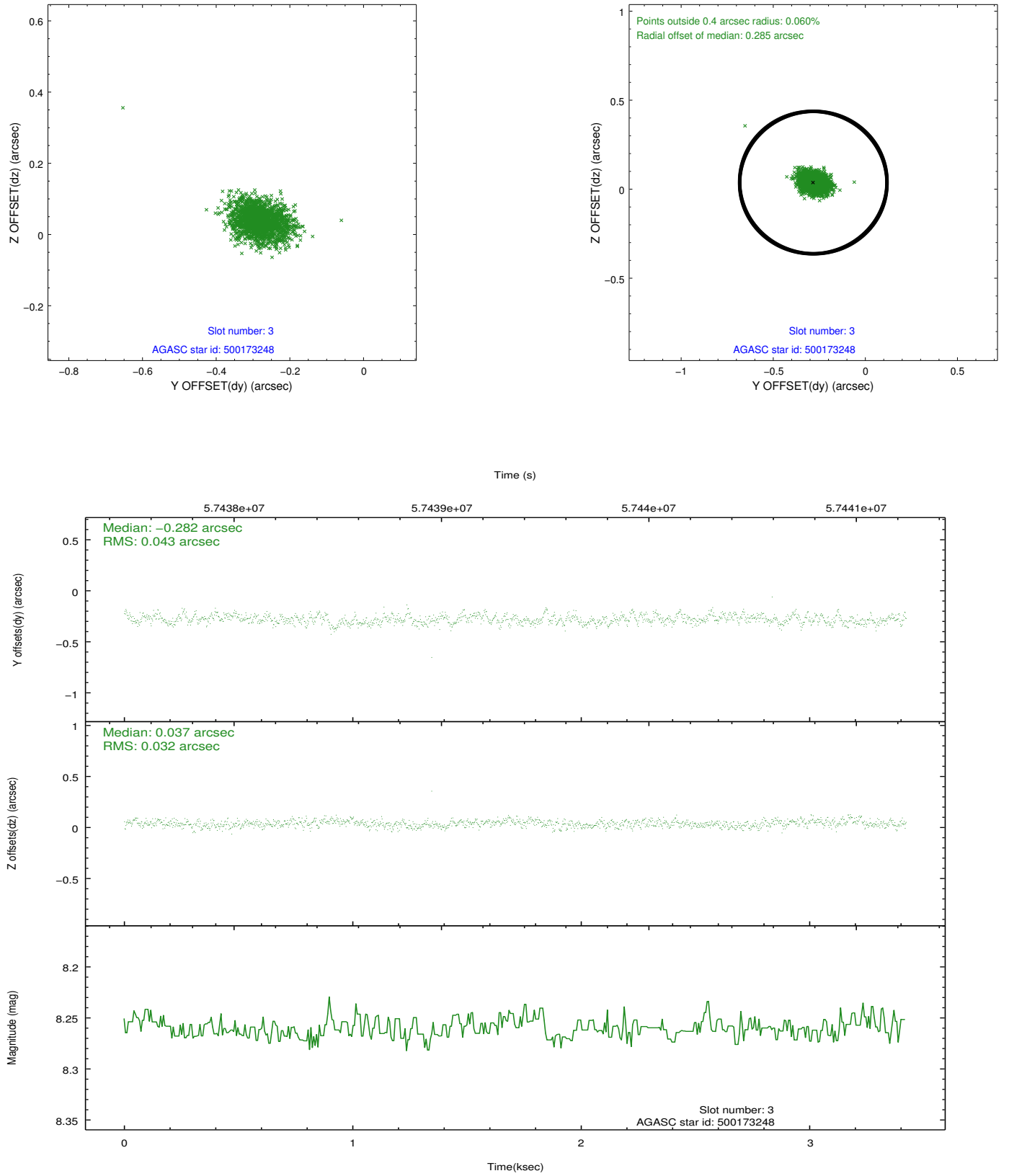


Slot Statistics

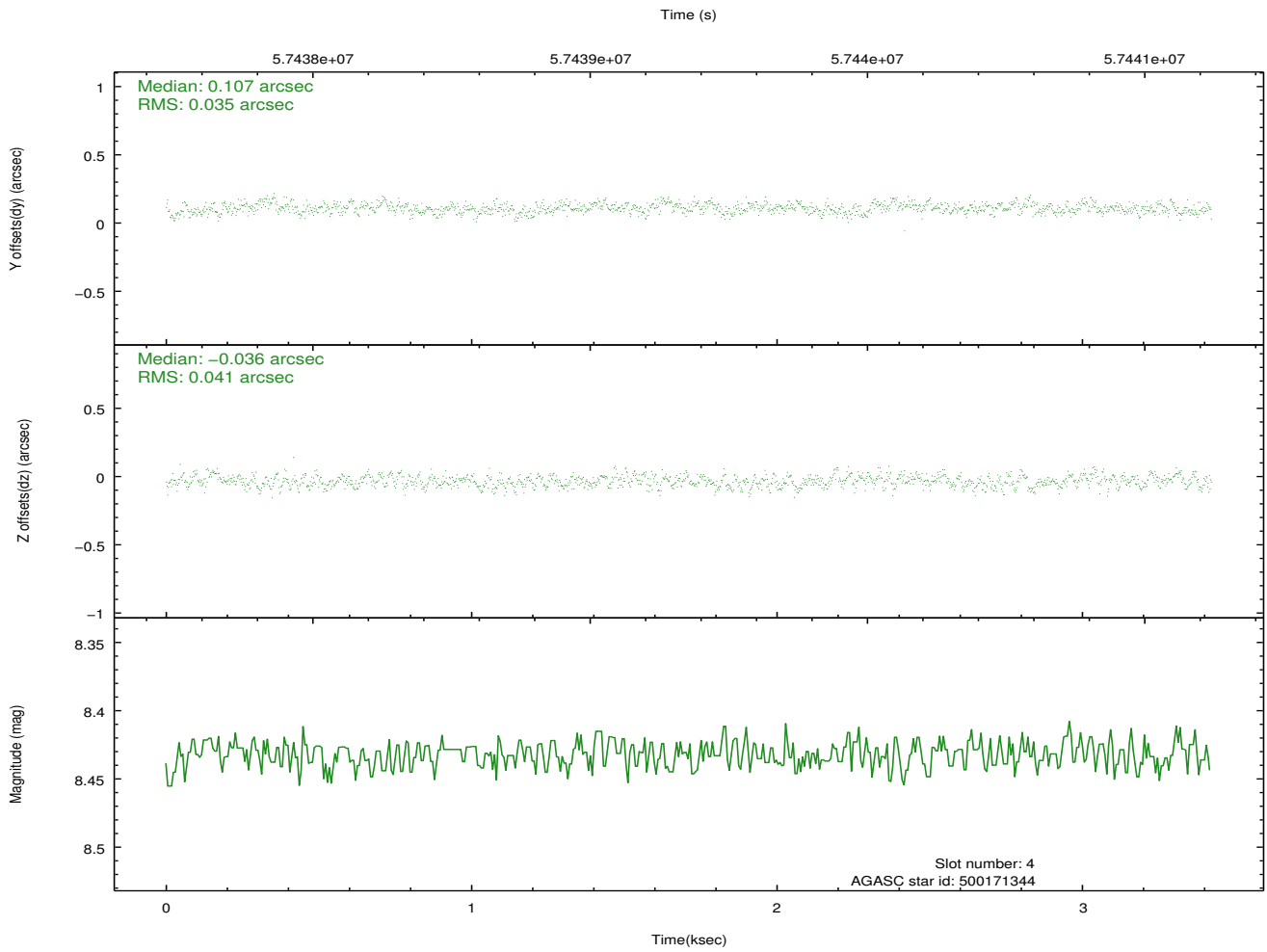
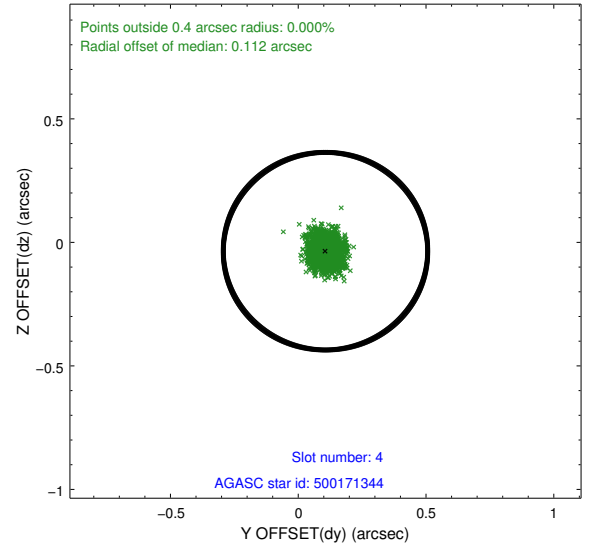
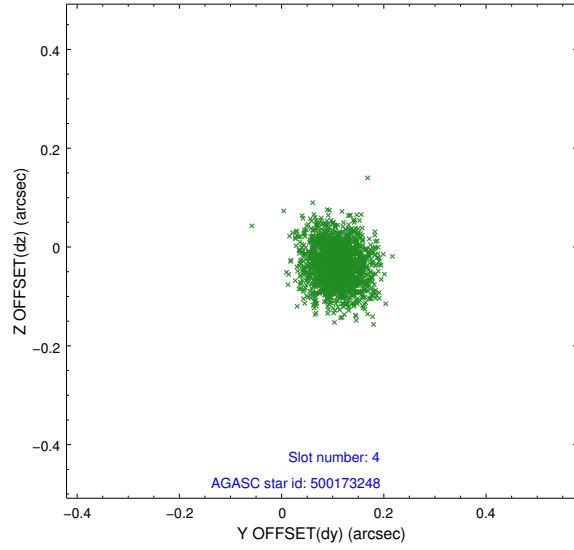
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	1670	0.033	-0.004	0.008	0.014	0.000000	0.000000	-755.57	-1286.90
1	FID	HRC-I-3	7.05	1670	0.046	-0.054	0.009	0.017	0.000000	0.000000	-1184.55	1016.83
2	FID	HRC-I-4	6.98	1669	0.035	-0.031	0.006	0.010	0.000000	0.000000	1286.46	1015.90
3	GUIDE	500173248	8.26	1670	-0.282	0.037	0.055	0.091	158.840876	53.953250	2433.59	-236.80
4	GUIDE	500171344	8.43	1670	0.107	-0.036	0.057	0.093	158.404020	53.216809	-232.11	-1122.77
5	GUIDE	500182496	8.89	1669	0.125	0.158	0.074	0.116	158.371279	52.722772	-1686.57	-2151.51
6	GUIDE	500171880	9.65	1669	-0.025	-0.023	0.088	0.140	158.701962	53.717455	1581.69	-526.58
7	GUIDE	500180056	9.69	1668	0.072	-0.139	0.098	0.156	157.587703	53.702330	99.00	1327.73

## 2.4 Star Slots

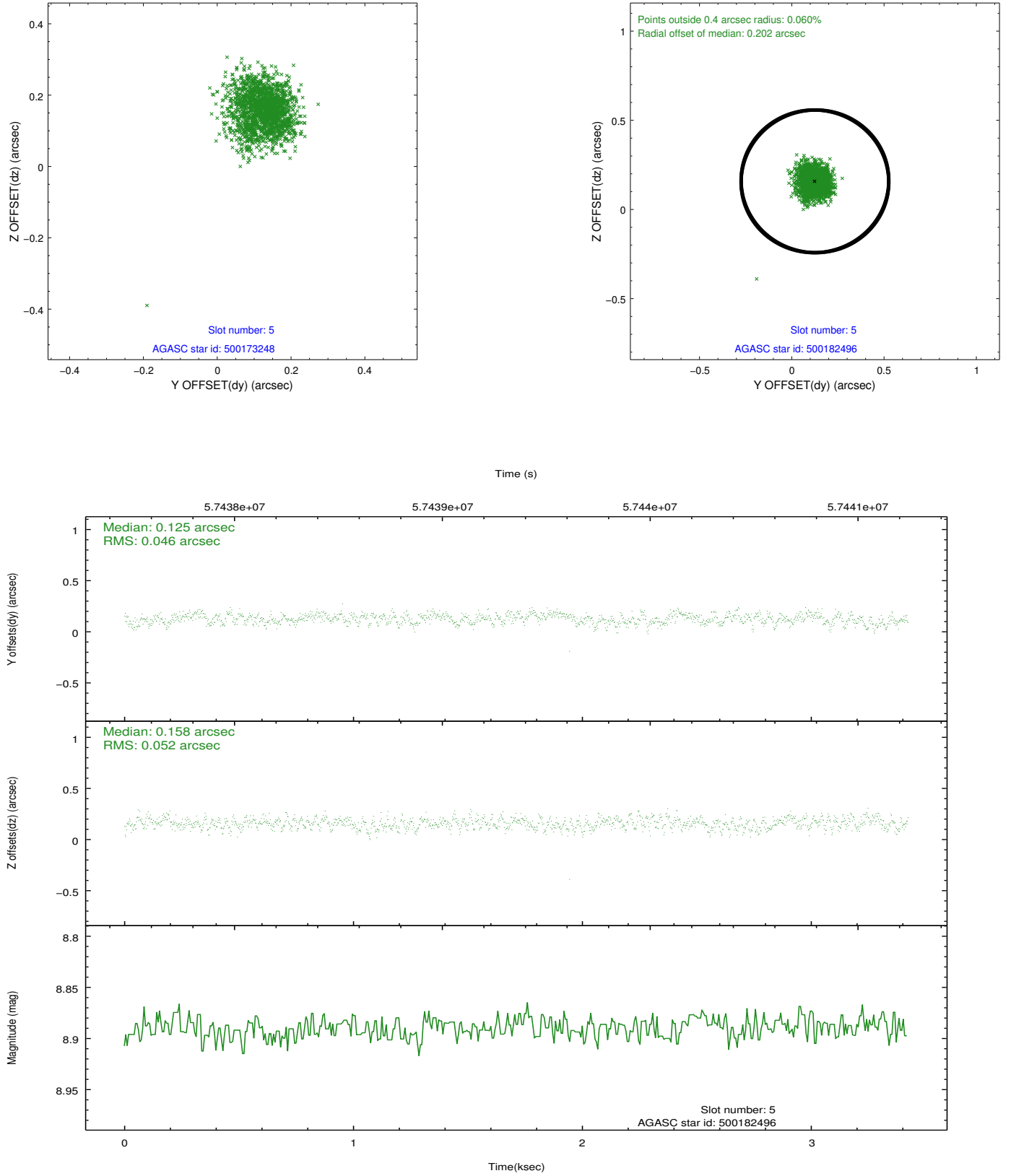
### 2.4.1 Slot 3



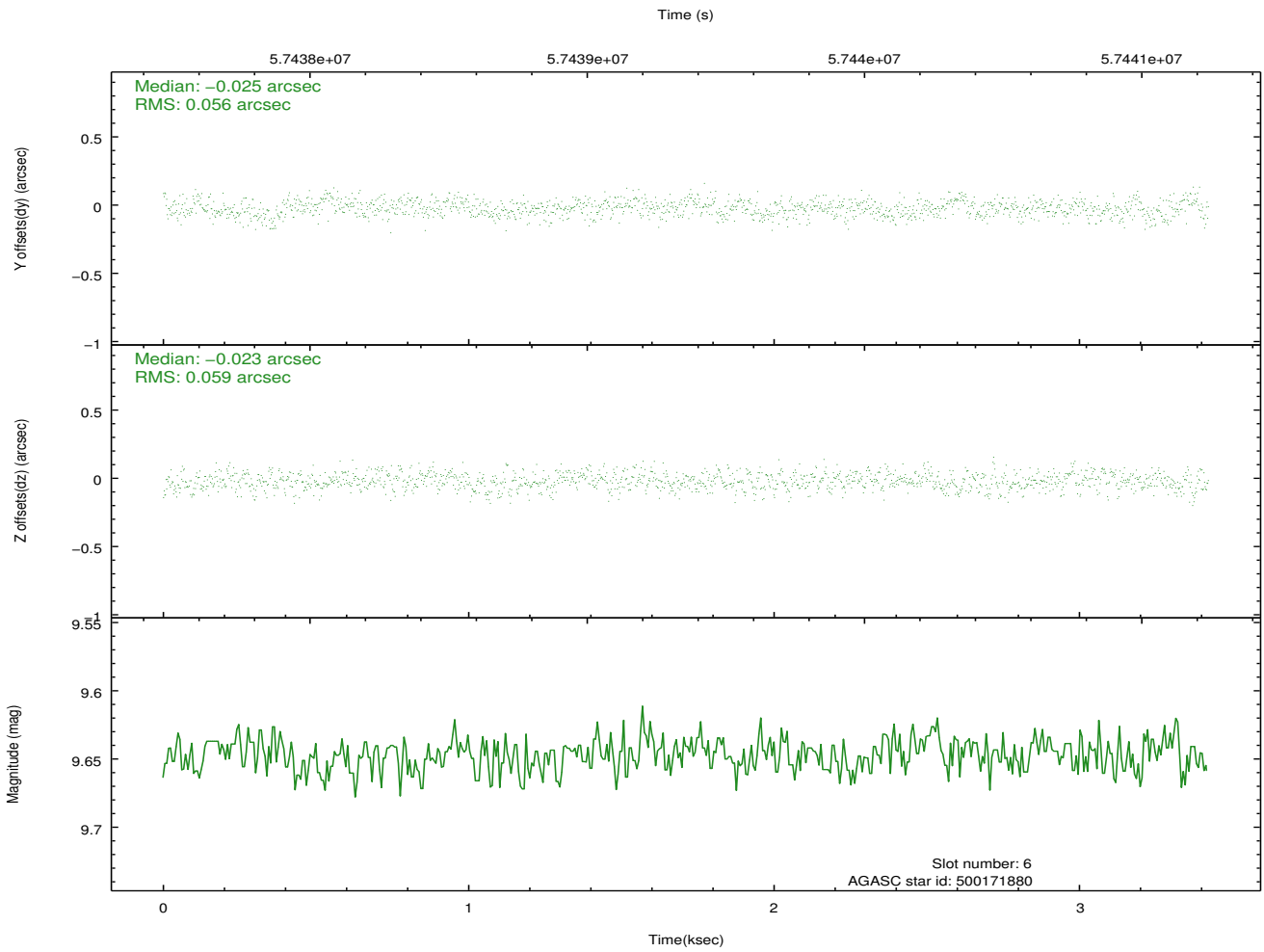
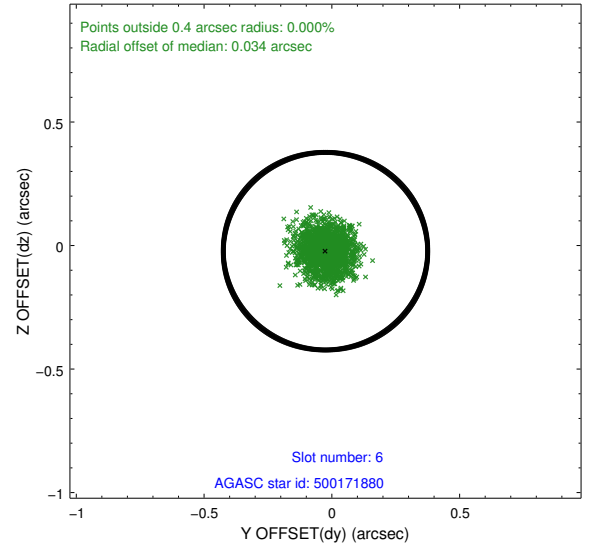
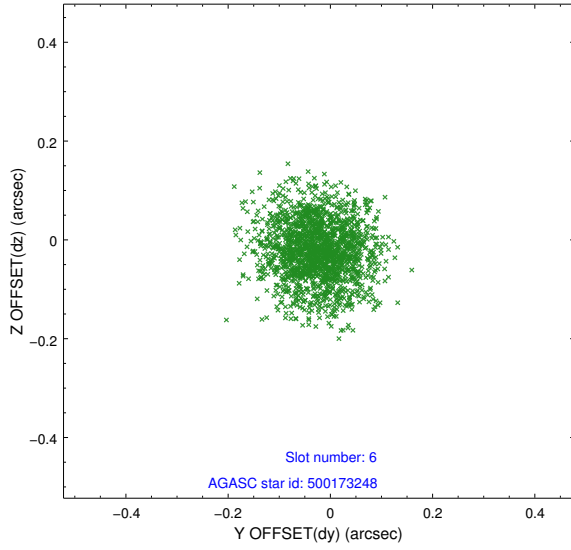
## 2.4.2 Slot 4



### 2.4.3 Slot 5

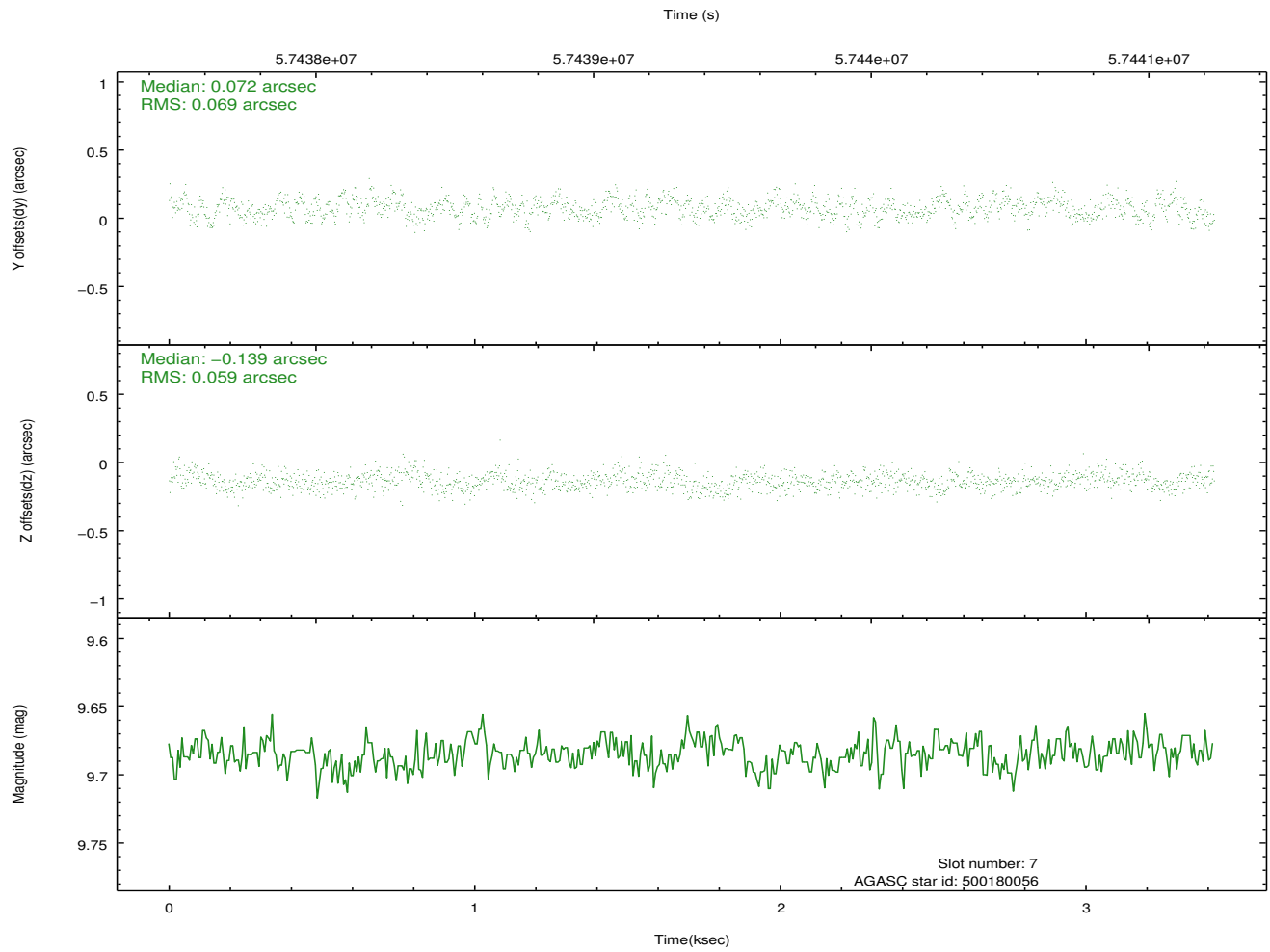
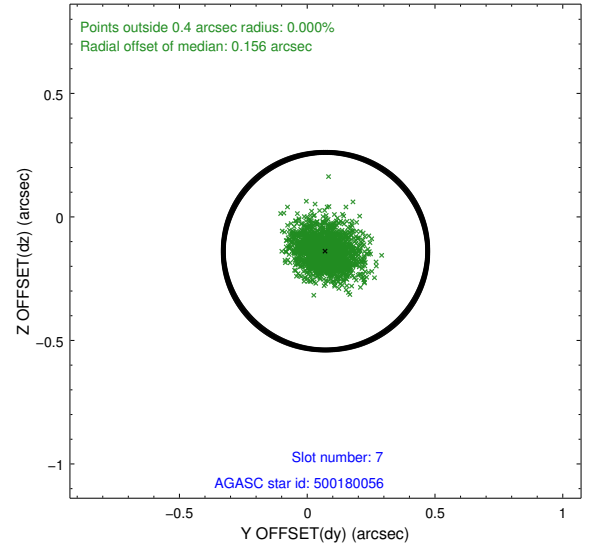
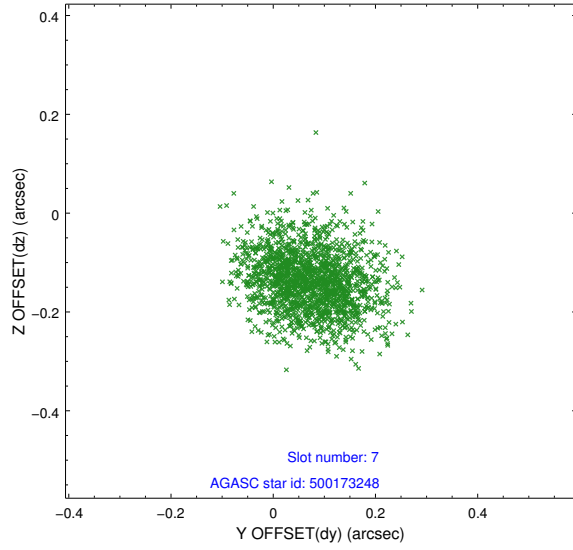


## 2.4.4 Slot 6



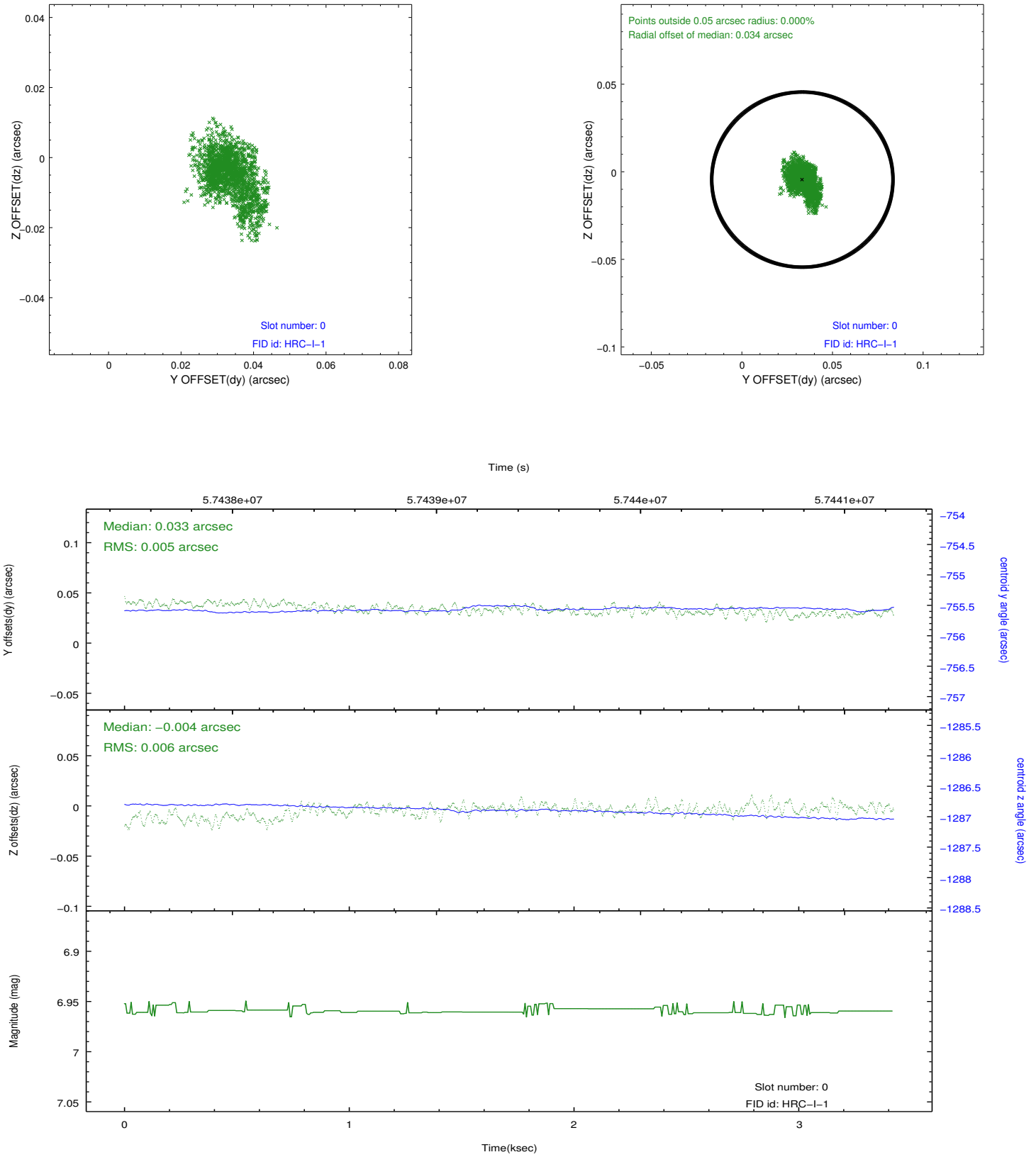


## 2.4.5 Slot 7

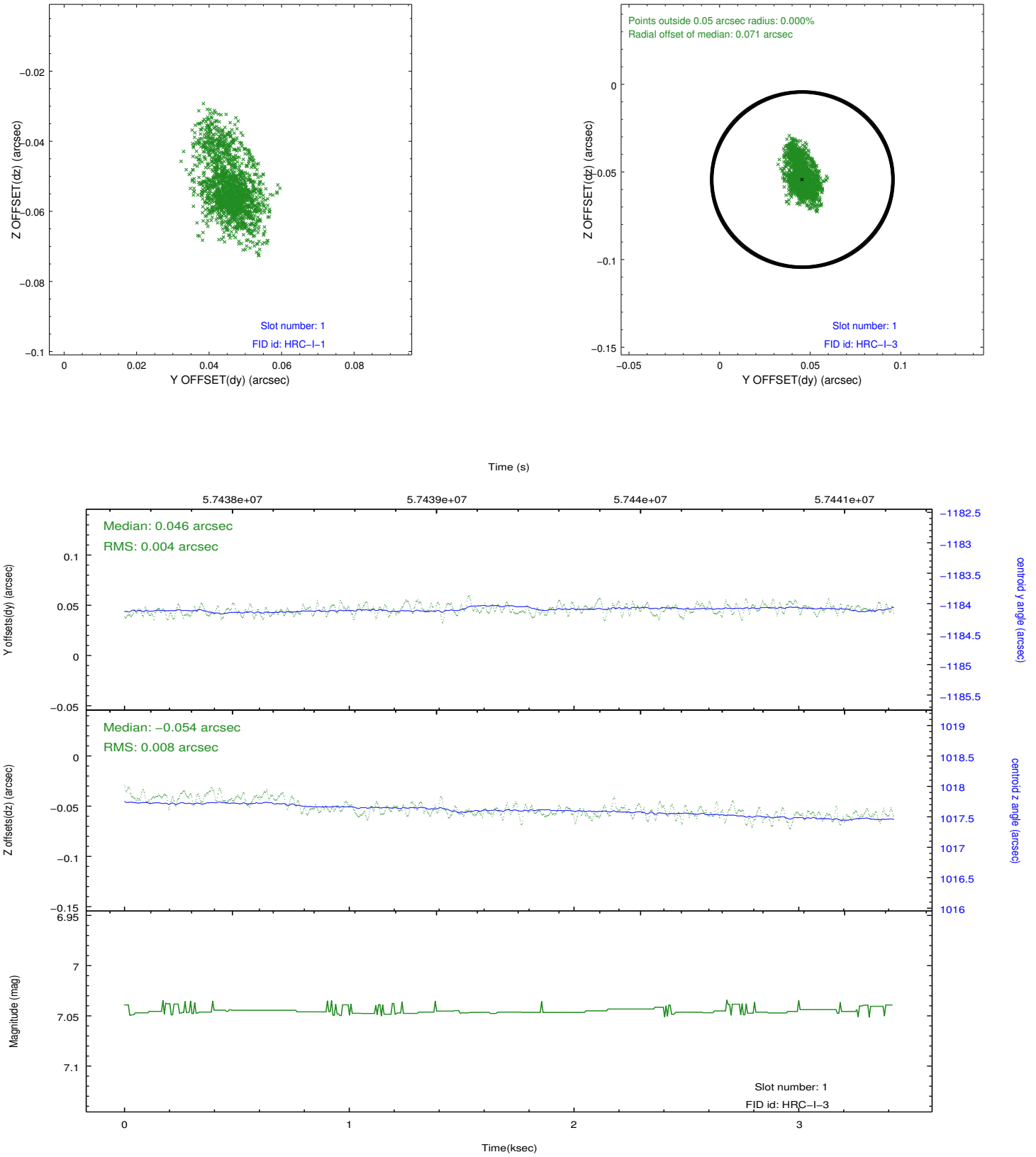


## 2.5 FID Slots

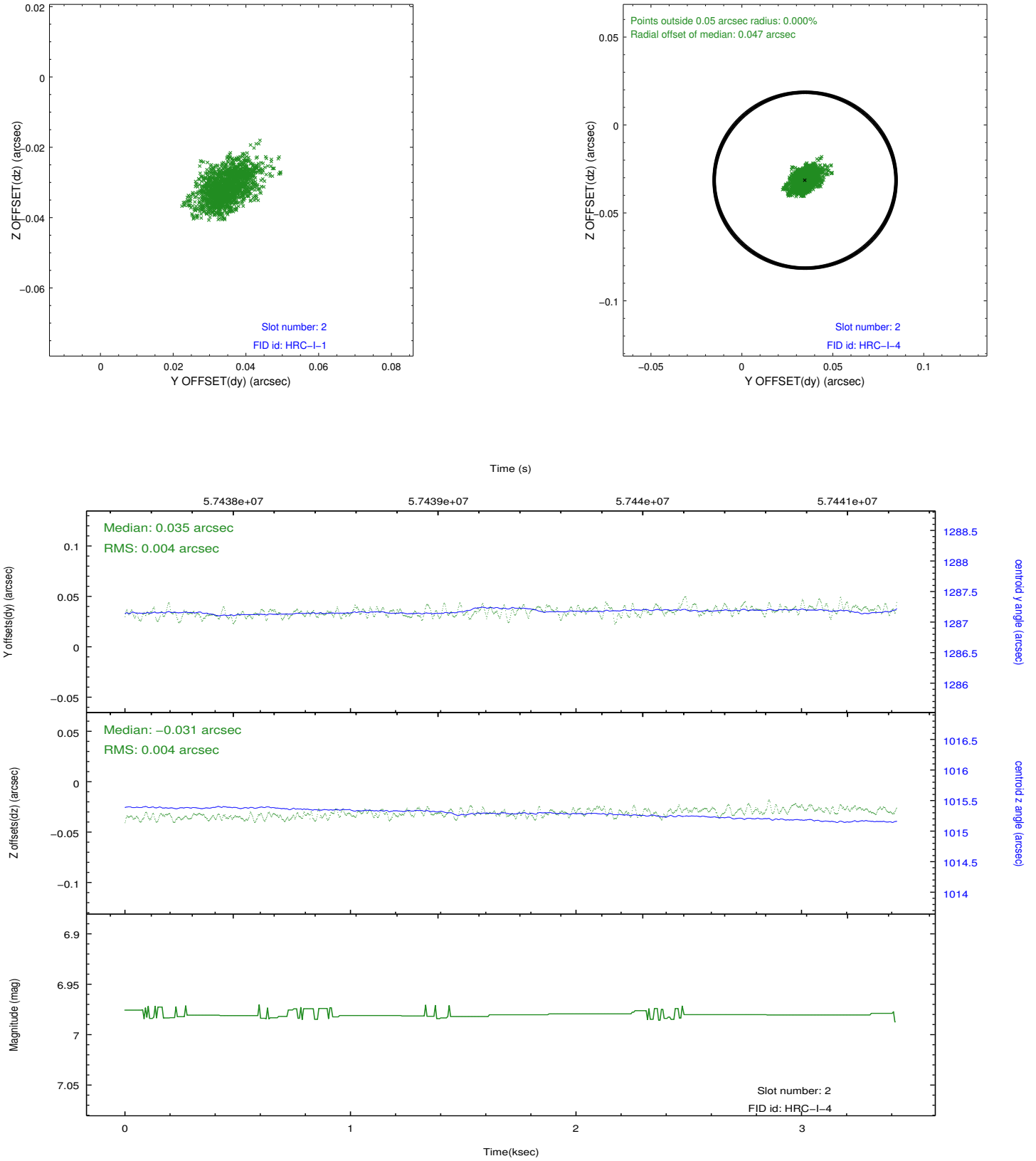
### 2.5.1 Slot 0



## 2.5.2 Slot 1

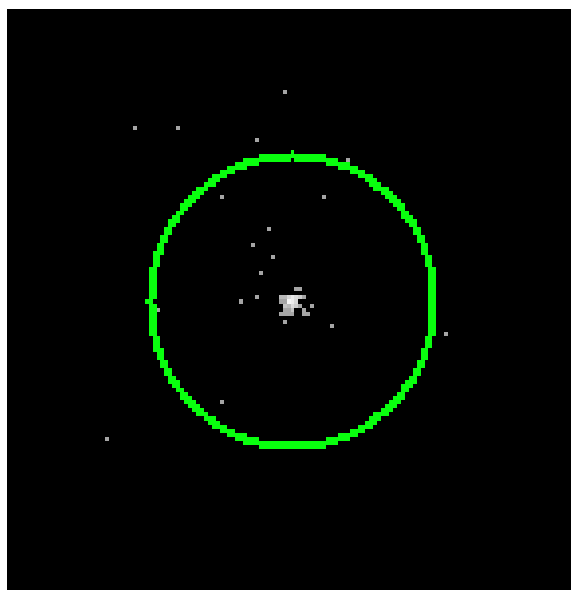


## 2.5.3 Slot 2

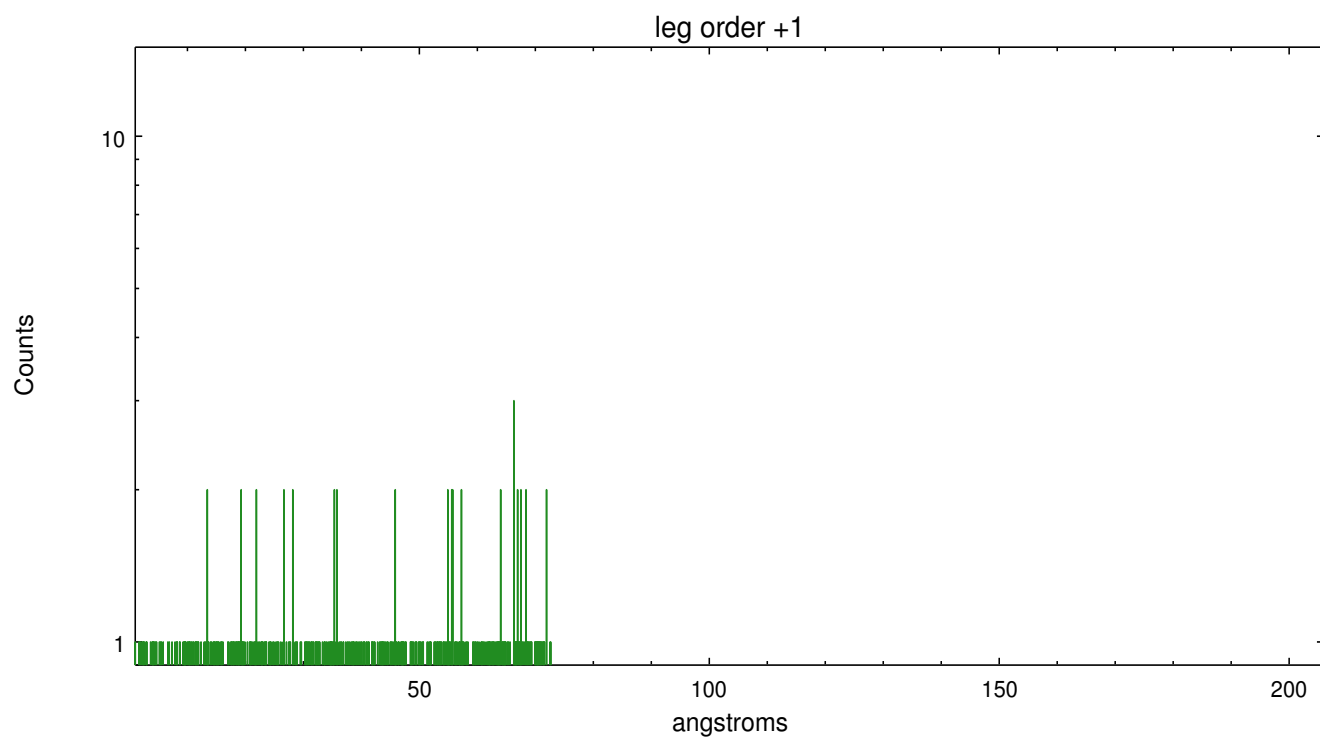
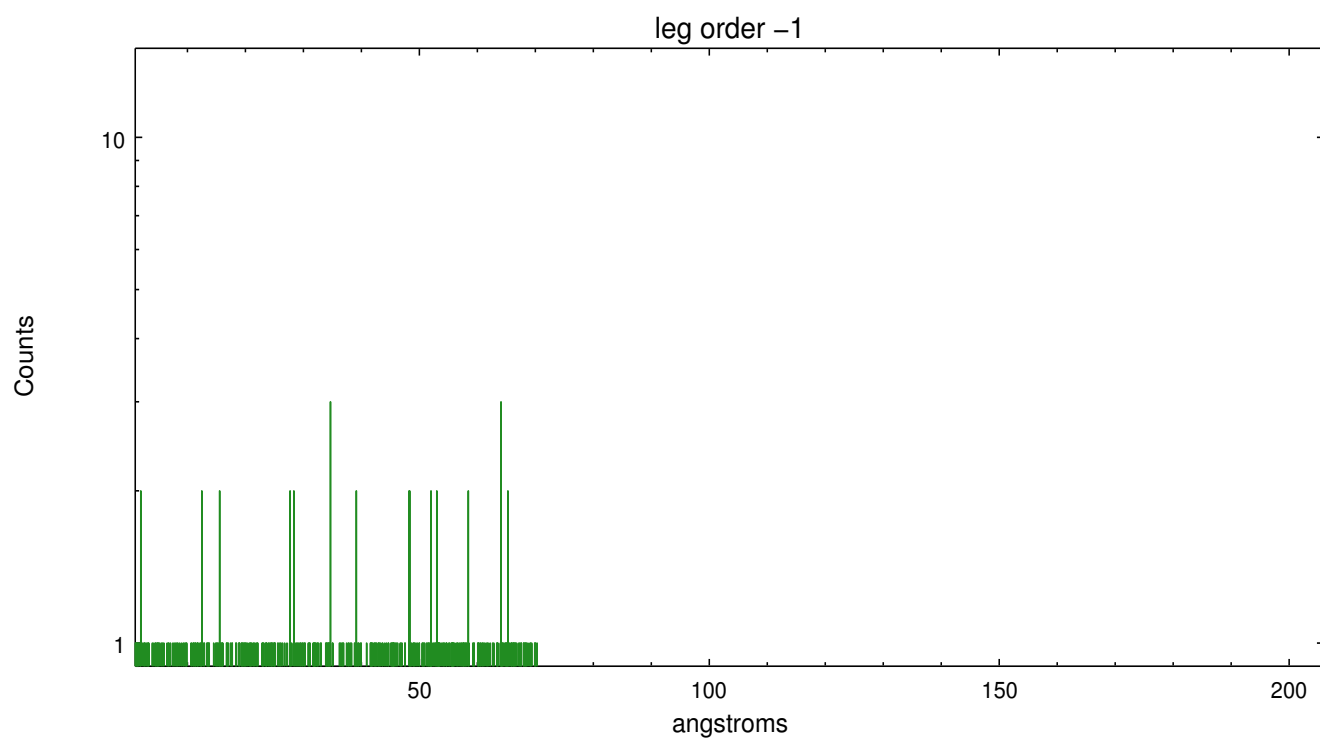


## 3 Gratings

### 3.1 LETG Arm



LETG Zero Order



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.05.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.218

## A.2 Comments

HRC-I PSF tests. Grating position unknown during this observation.