

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8275 - L2 Version 5  
Chandra X-Ray Center

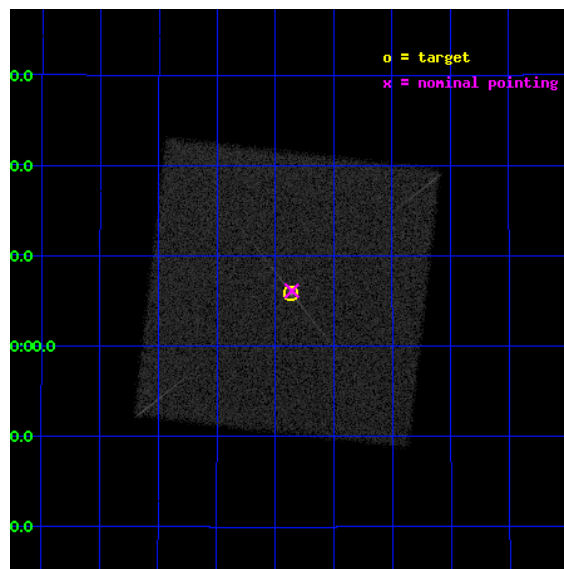
L2 Processing Date : Aug 11 2012

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# 1 Front

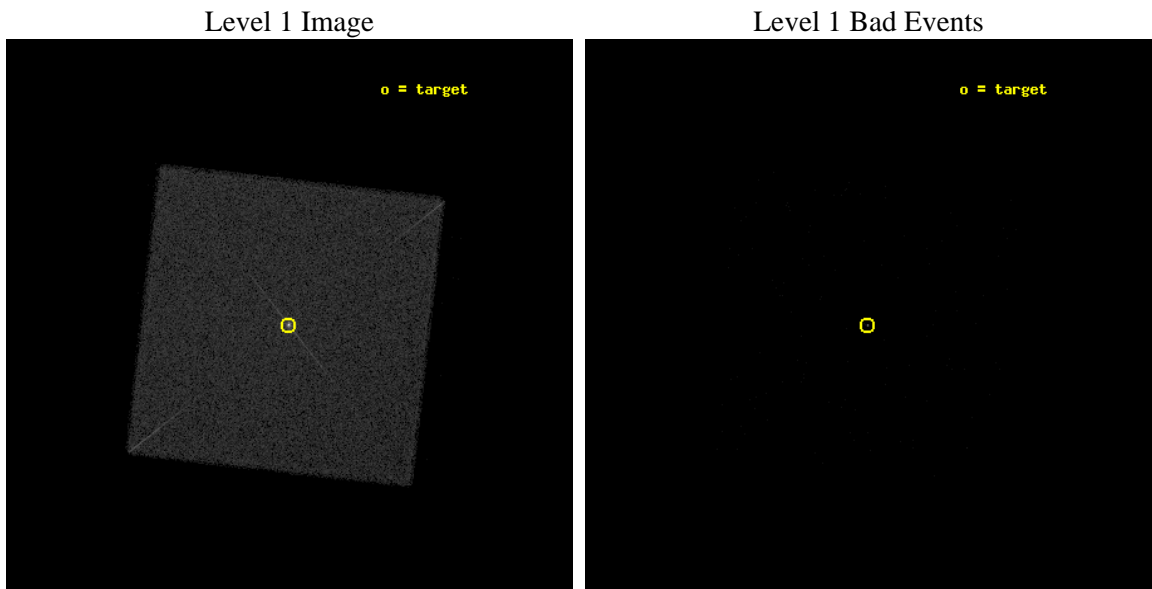
seq_num	290654	Sequence number
obs_id	8275	Observation id
title	AO8 Calibration Observations of HZ43	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.08953007786	Nominal RA [deg]
dec_nom	29.102536476279	Nominal Dec [deg]
roll_nom	141.60645645692	Nominal Roll [deg]
revision	5	Processing version of data
ontime	2178.1251035929	[s]
livetime	2156.7174433833	Ontime multiplied by DTCOR
l2events	126376	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2178.1251035929	[s]
caldbver	4.5.1.1	&#160	l1events	203863	Number of level 1 events
date	2012-08-11T20:15:29	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

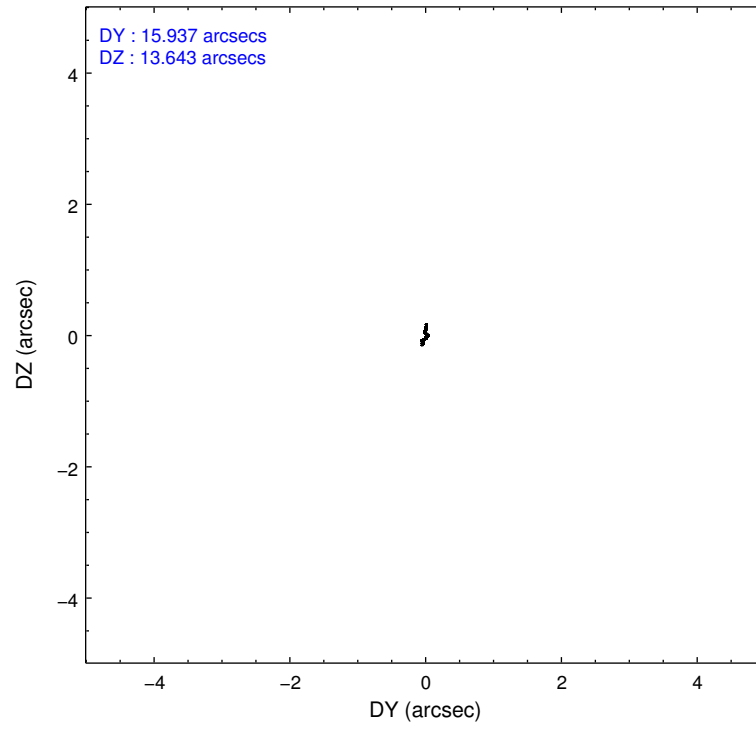
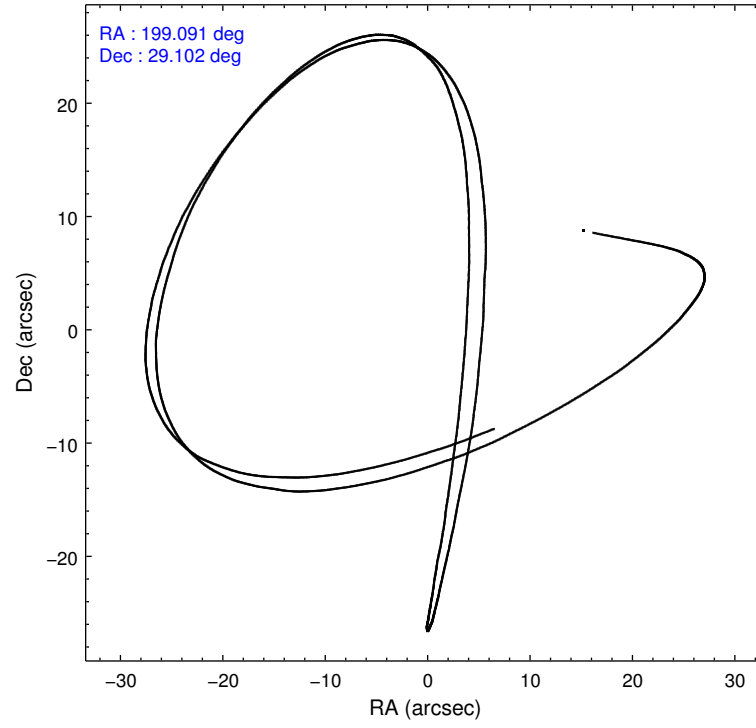
	<b>segment 0</b>
level 1 events	203863
rejected events	20511
rejected %	10%

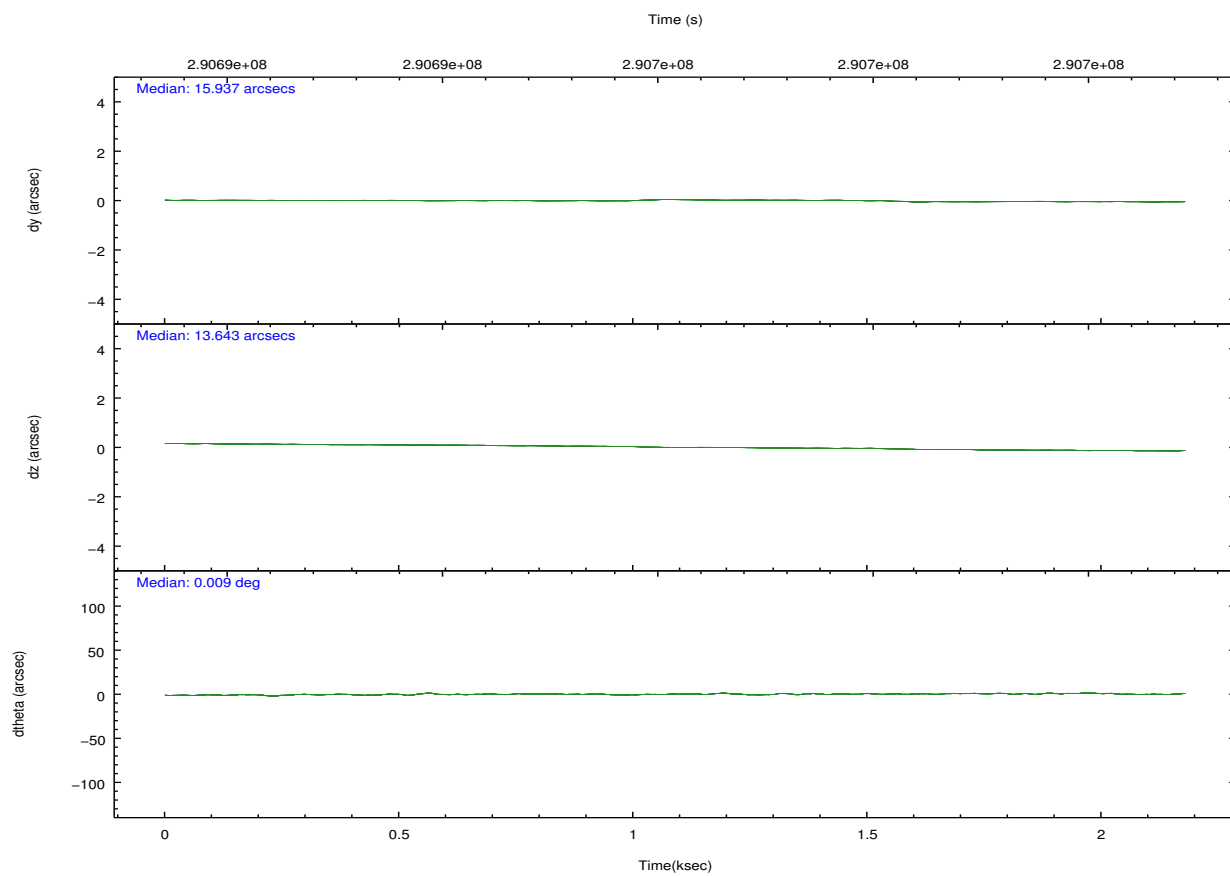
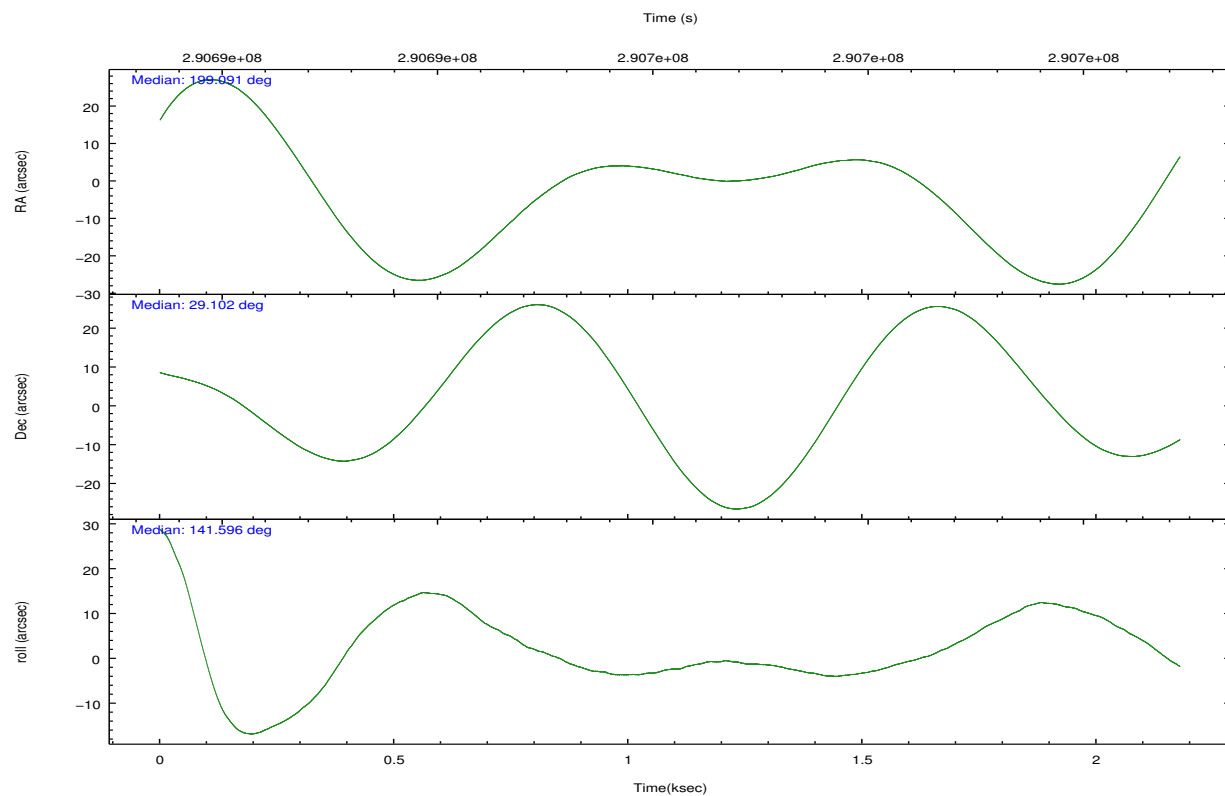
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	LETG	LETG
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	199.120557	199.089530077863
[deg] Pointing Dec	29.099312	29.10253647627942
[deg] Pointing Roll	141.686802	141.6064564569185
[s] Window start time (MET)	286675265.184000	286675265.184000
[s] Window stop time (MET)	294278465.184000	294278465.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	290694131.184000	290693441.4355
Observation start date	2007-03-19T12:21:06	2007-03-19T12:10:41
[s] Observation end time (MET)	290696131.184000	290696650.71065
Observation end date	2007-03-19T12:54:26	2007-03-19T13:04:10

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





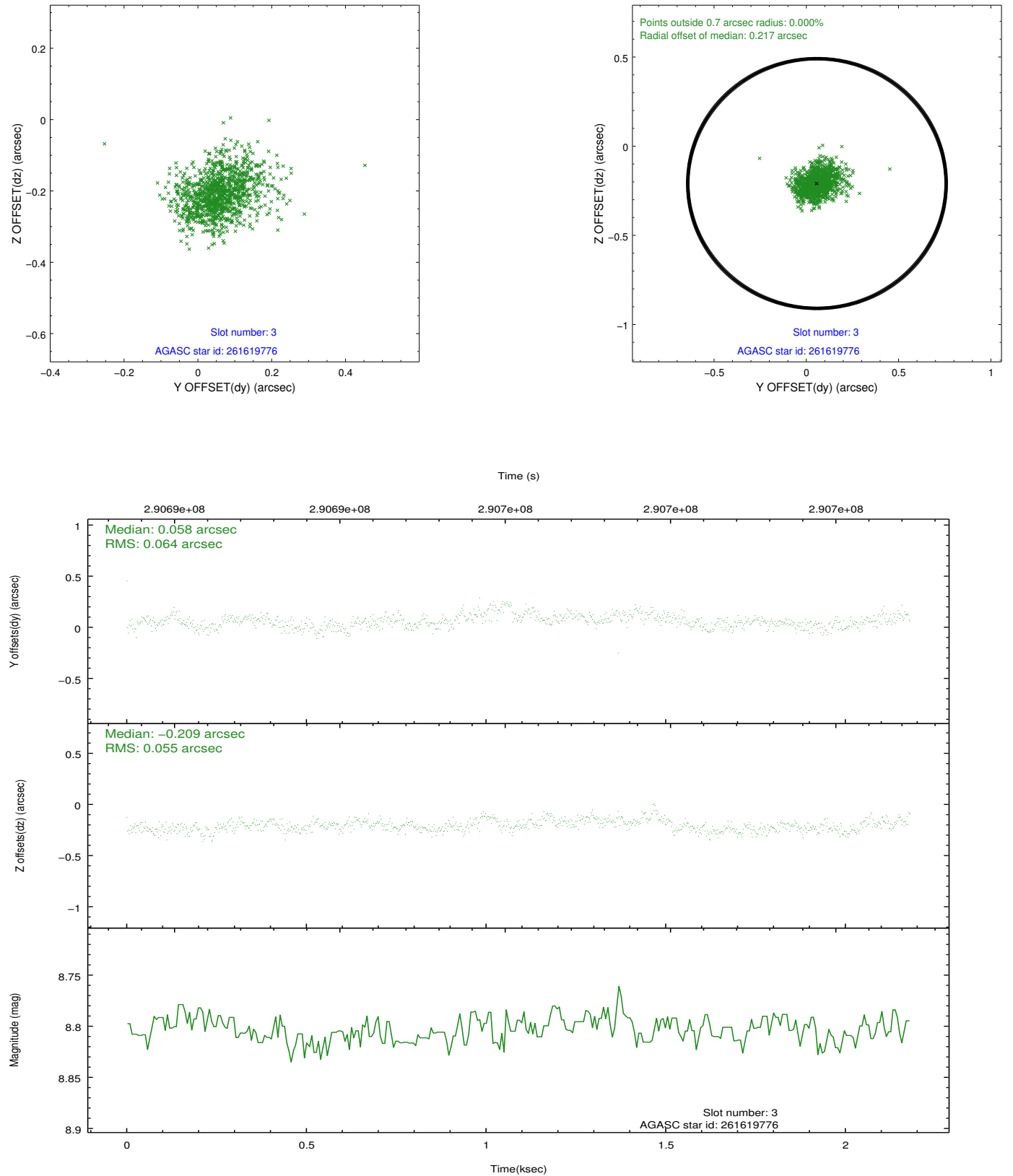
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	532	-0.061	0.026	0.007	0.012	0.000000	0.000000	-771.84	-1301.66
1	FID	HRC-I-2	7.02	532	0.201	-0.111	0.007	0.011	0.000000	0.000000	839.60	-1305.83
2	FID	HRC-I-3	7.08	532	-0.021	-0.004	0.007	0.012	0.000000	0.000000	-1198.67	1000.43
3	GUIDE	261619776	8.80	1063	0.058	-0.209	0.087	0.147	198.654383	29.401174	1822.56	50.95
4	GUIDE	261620624	10.51	1057	0.110	0.048	0.200	0.389	198.207504	28.942848	1916.38	2216.26
5	GUIDE	261621400	6.97	1064	-0.116	-0.092	0.075	0.118	198.901600	28.741982	-252.91	1438.71
6	GUIDE	261623040	9.14	1062	-0.115	0.149	0.109	0.172	198.792686	29.757643	2274.38	-1224.23
7	GUIDE	261626376	9.70	1062	0.073	0.110	0.145	0.232	198.947288	29.347445	983.44	-365.57

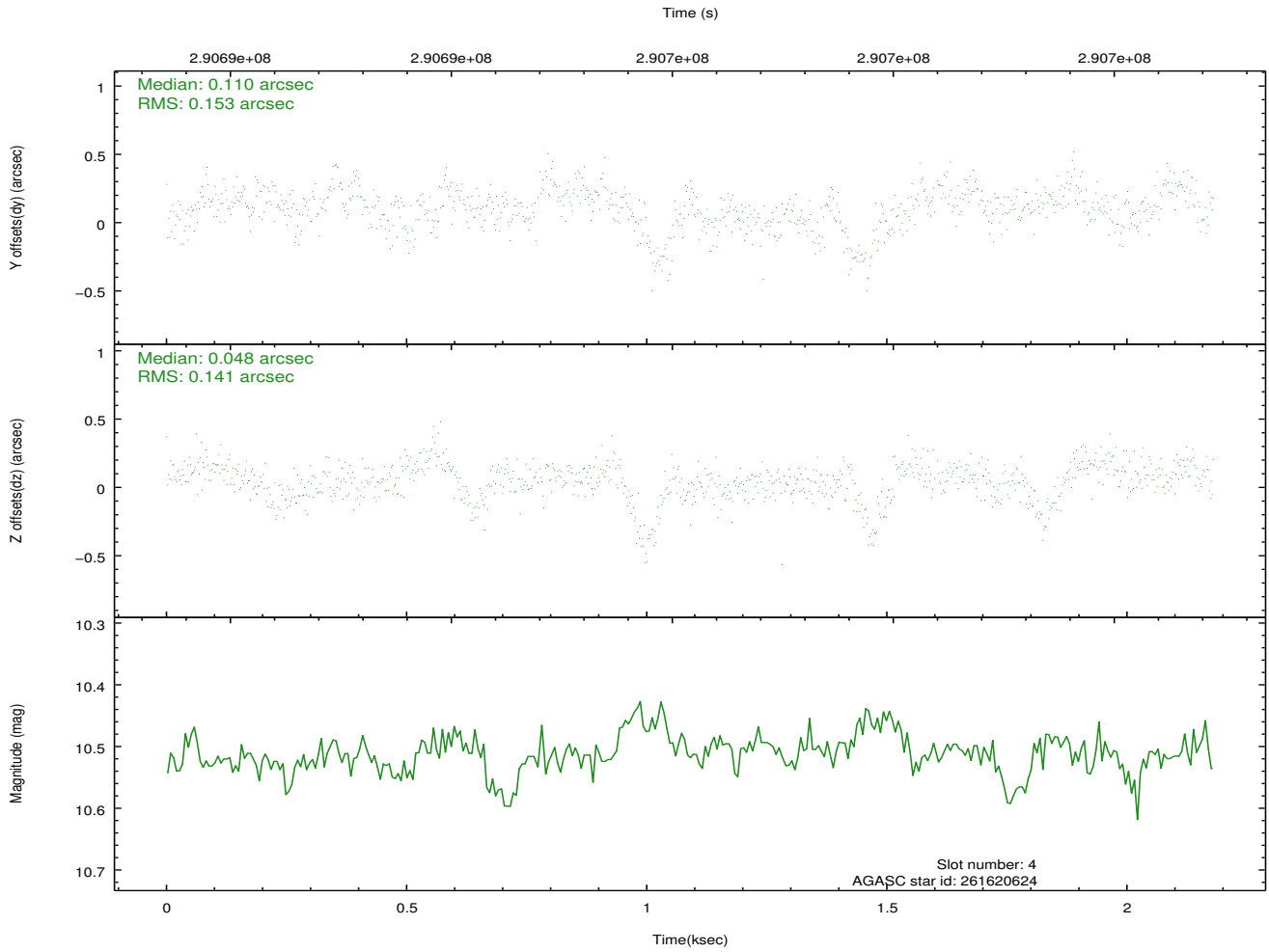
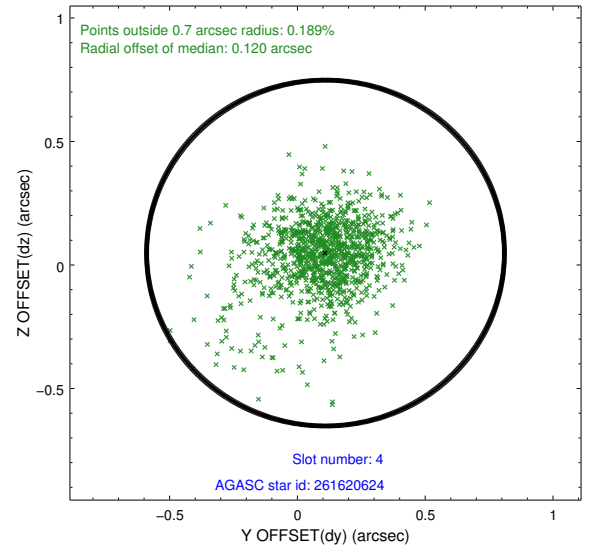
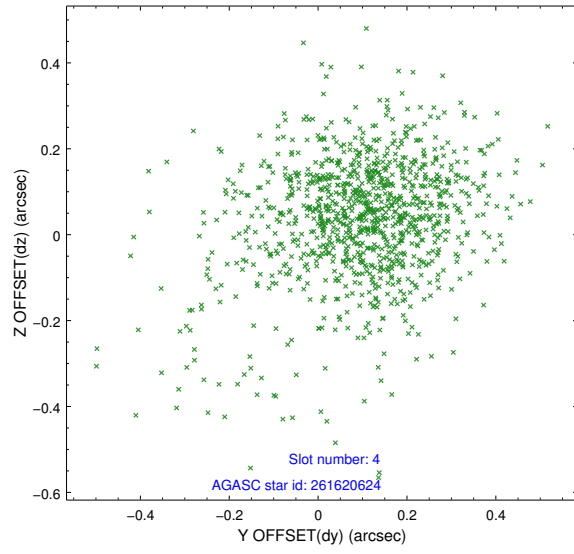


## 2.4 Star Slots

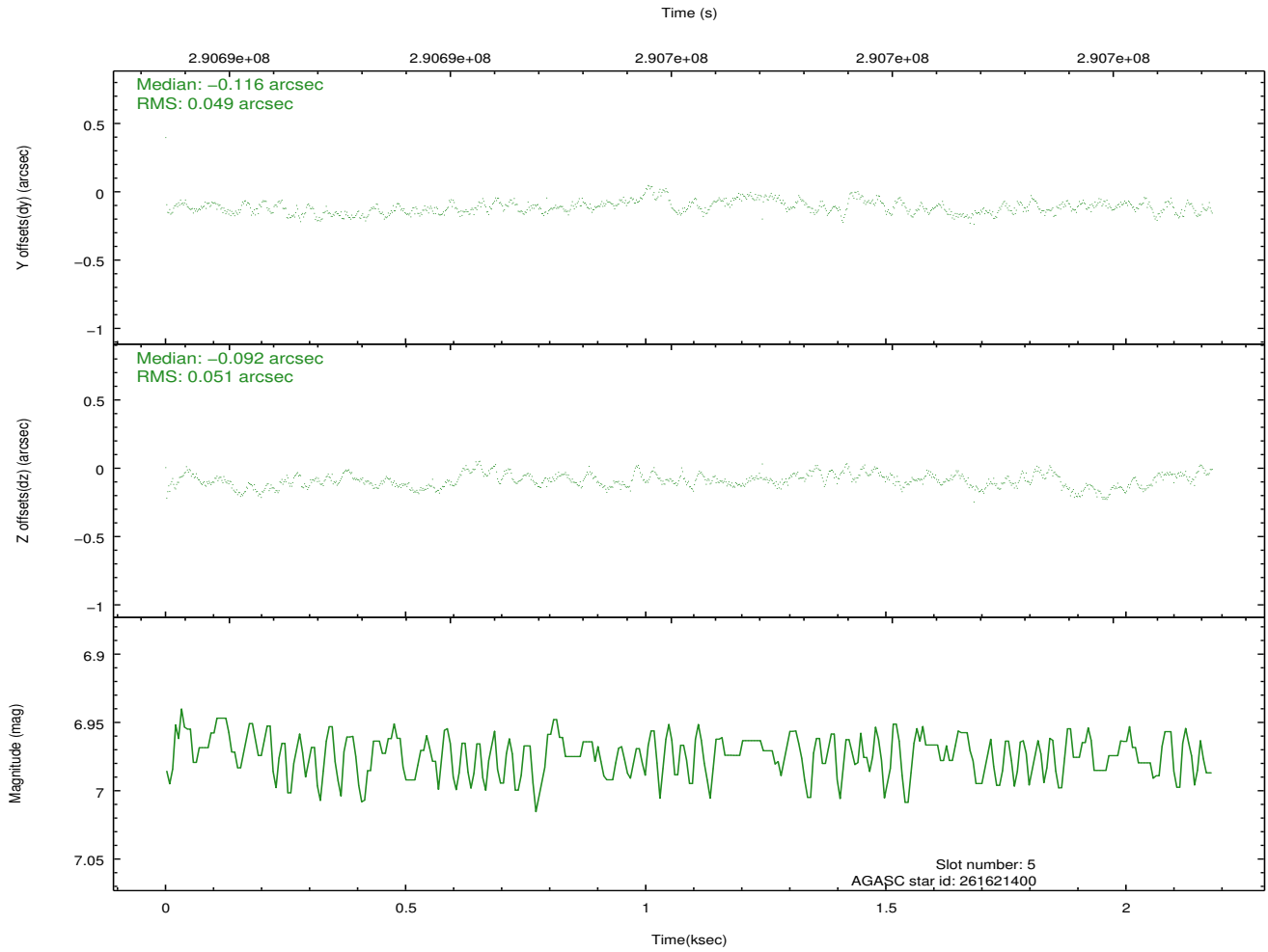
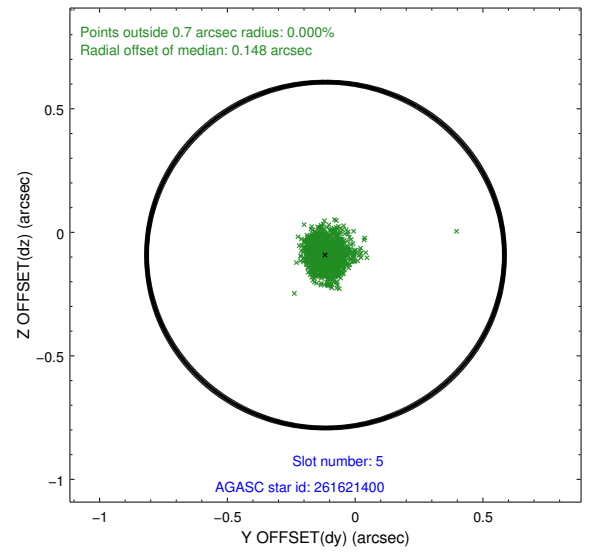
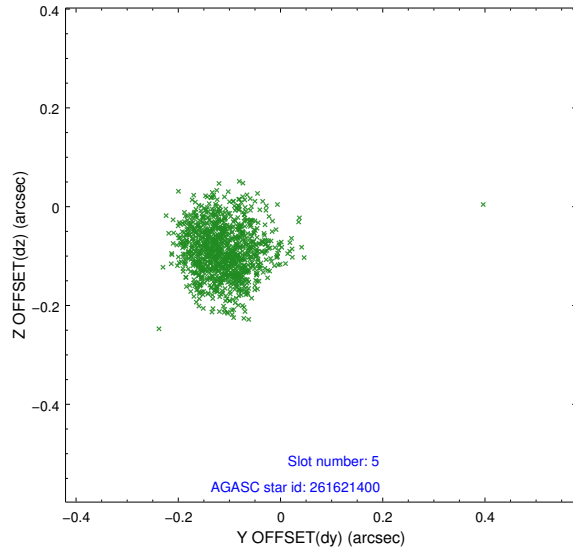
### 2.4.1 Slot 3



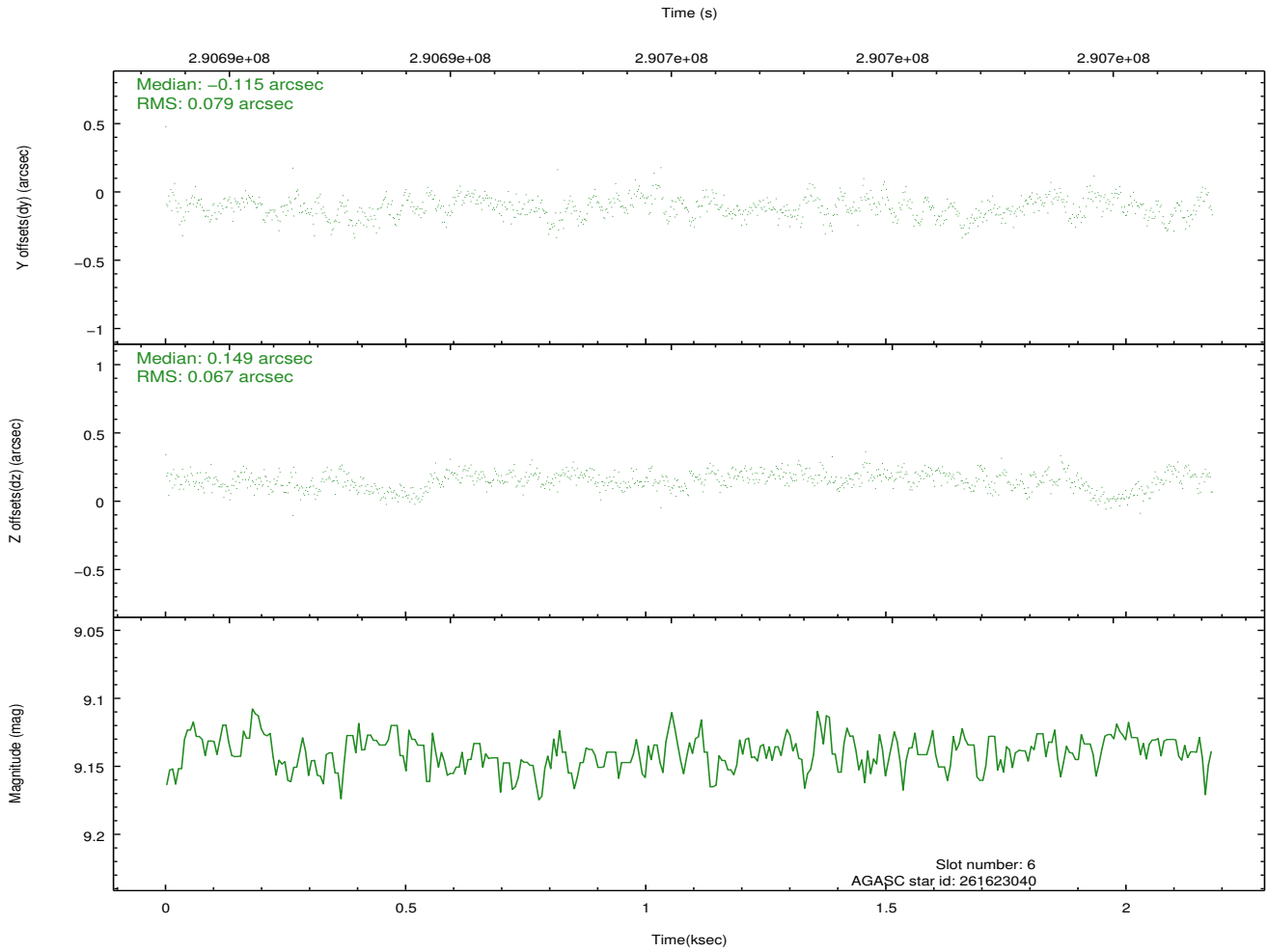
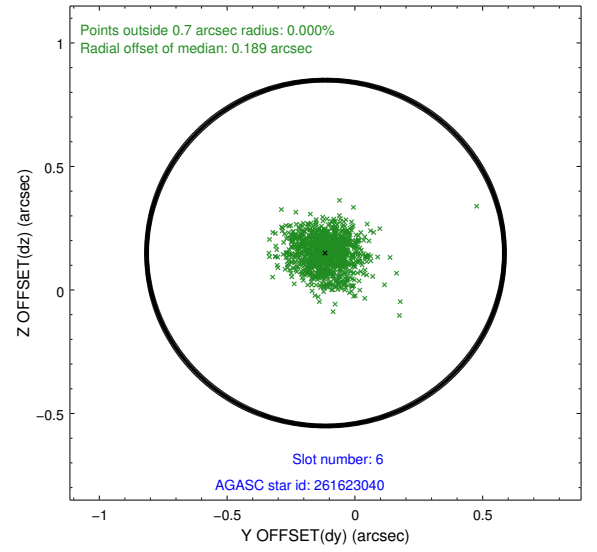
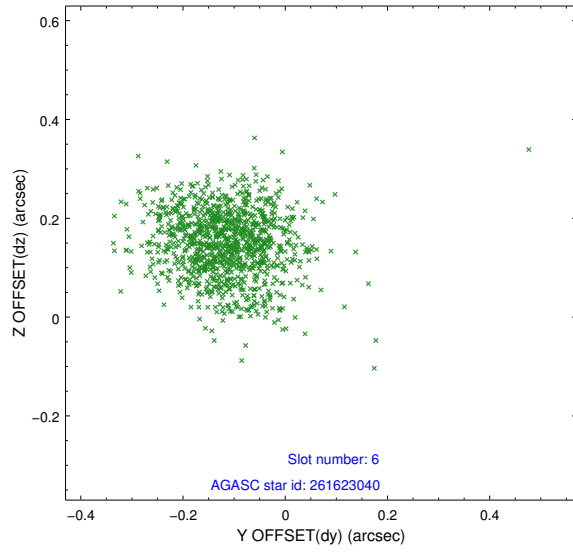
## 2.4.2 Slot 4



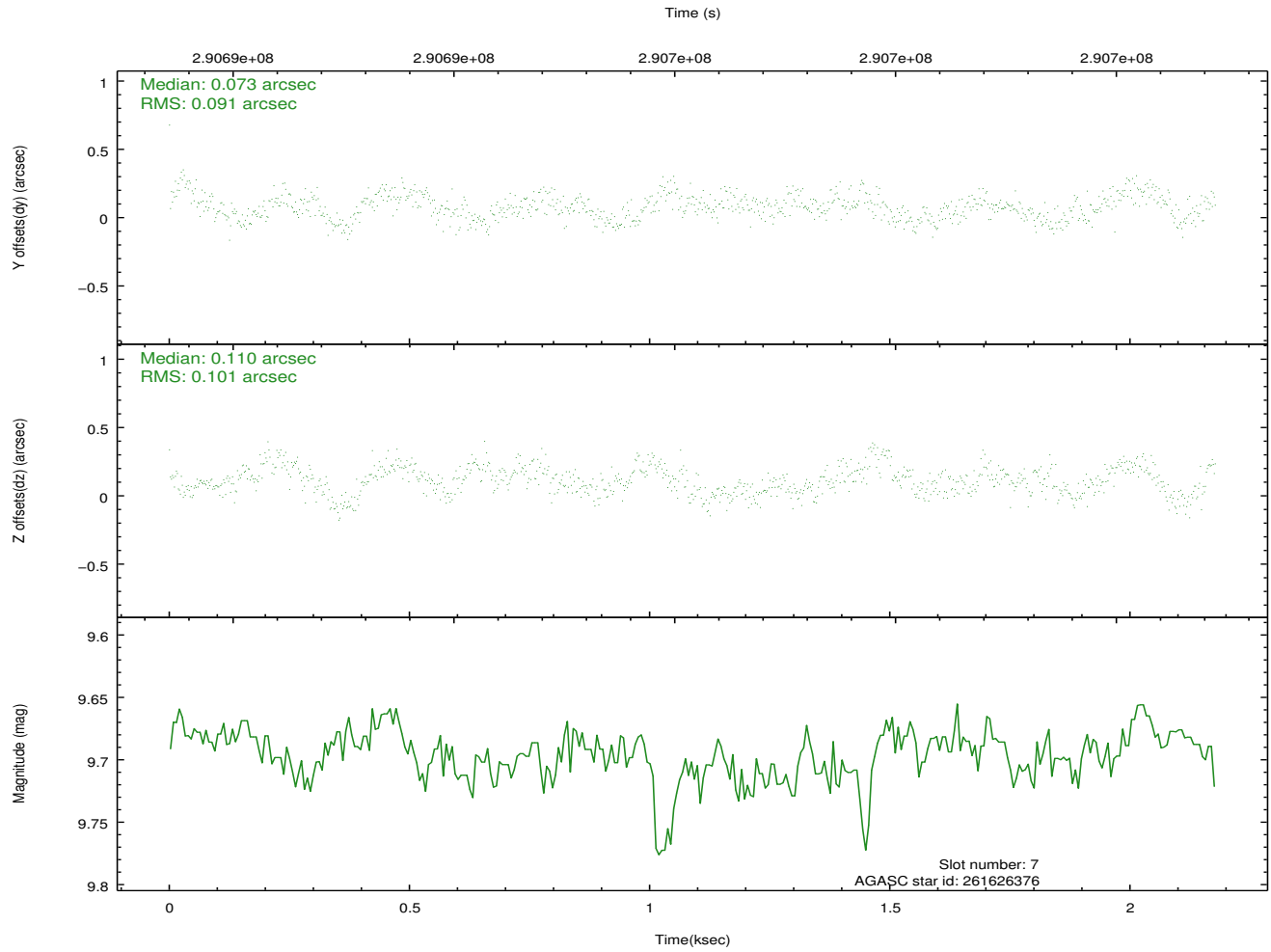
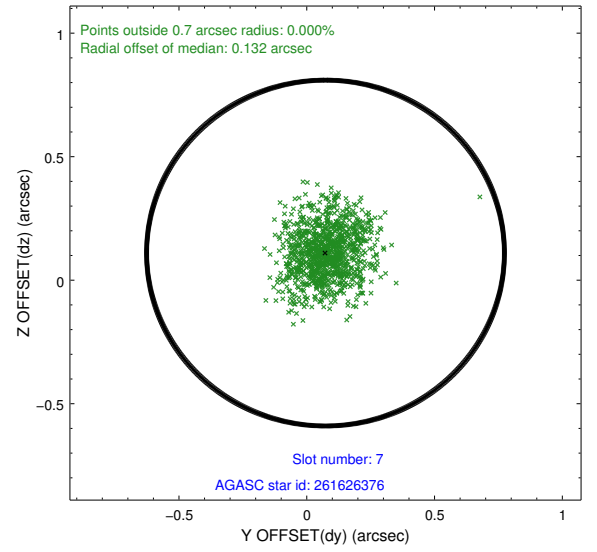
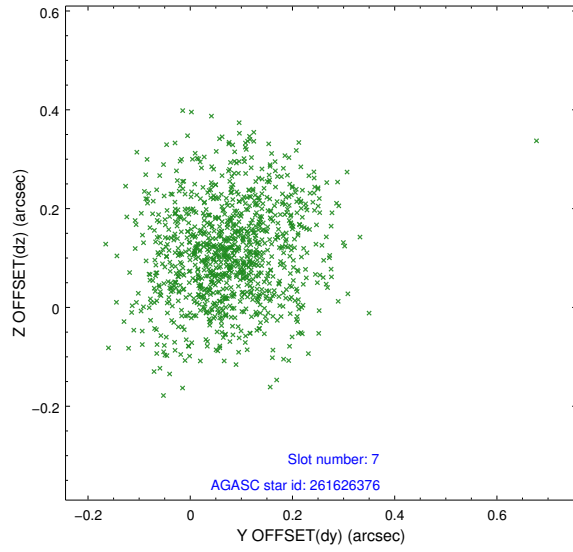
### 2.4.3 Slot 5



## 2.4.4 Slot 6

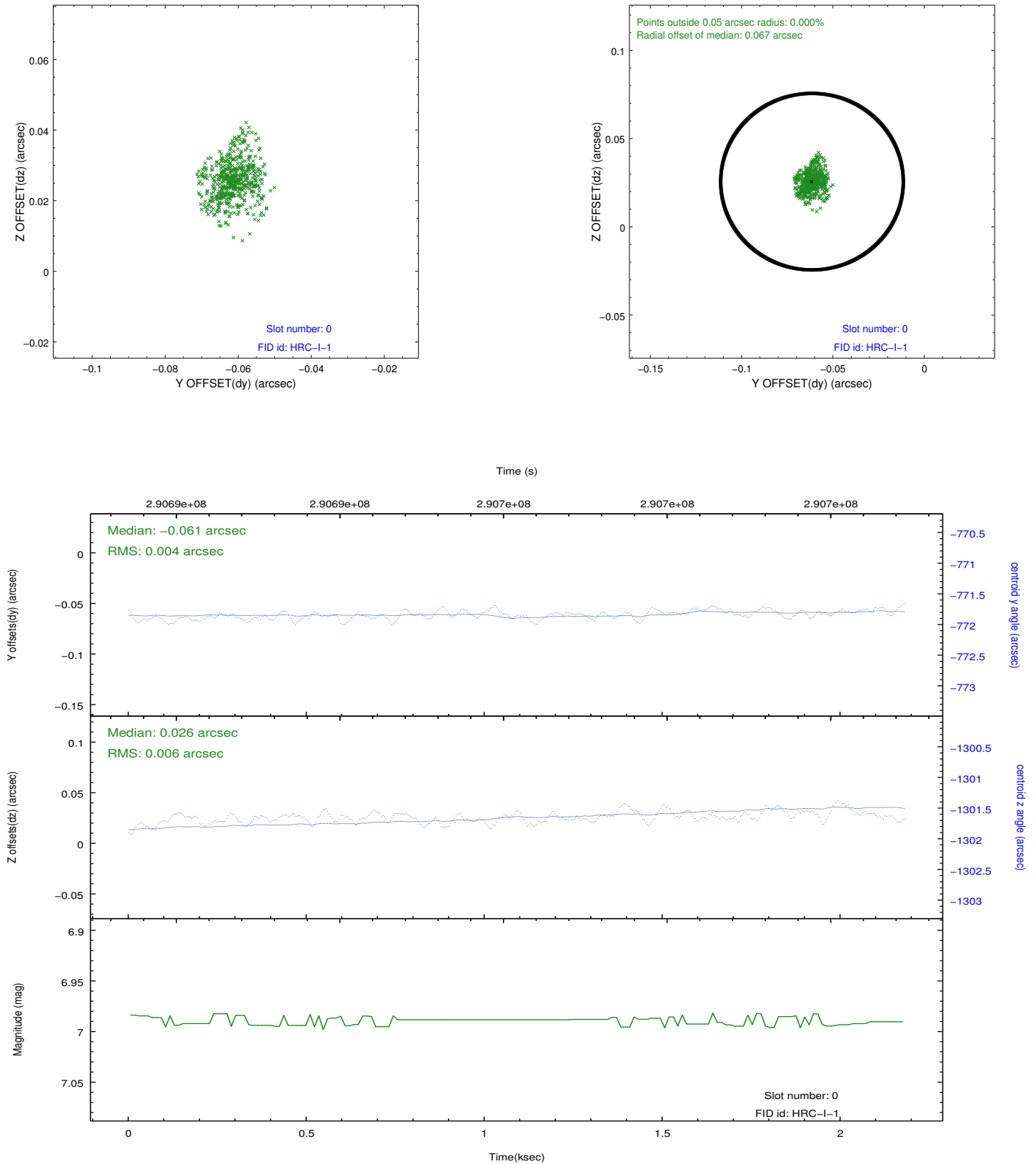


## 2.4.5 Slot 7

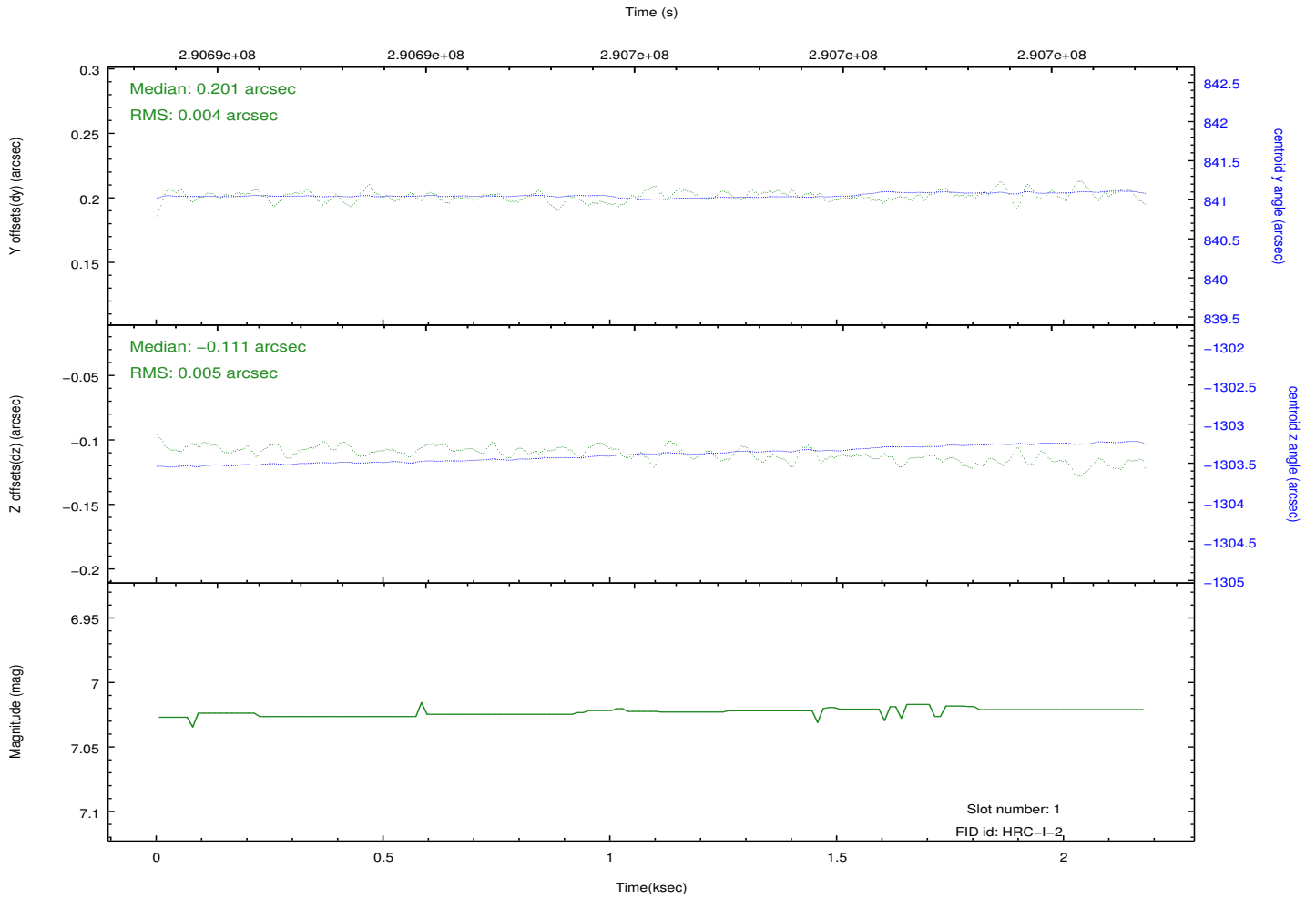
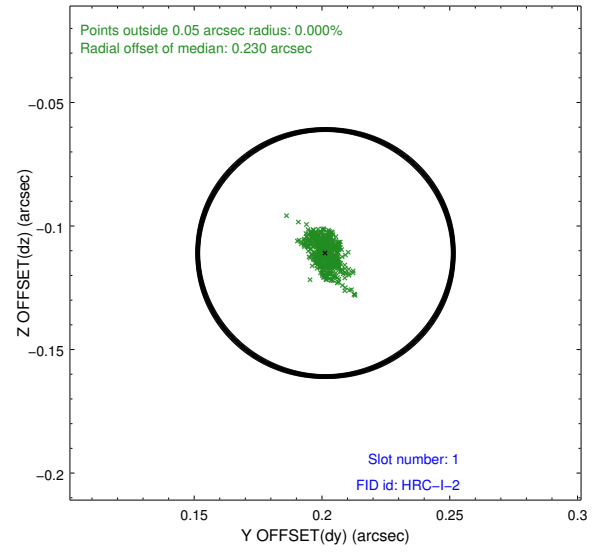
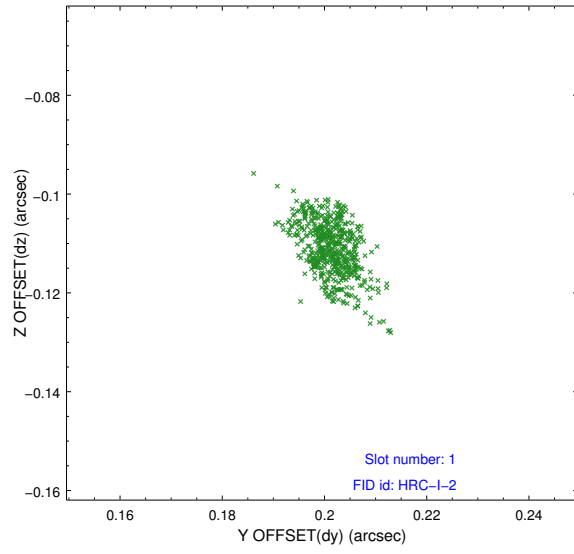


## 2.5 FID Slots

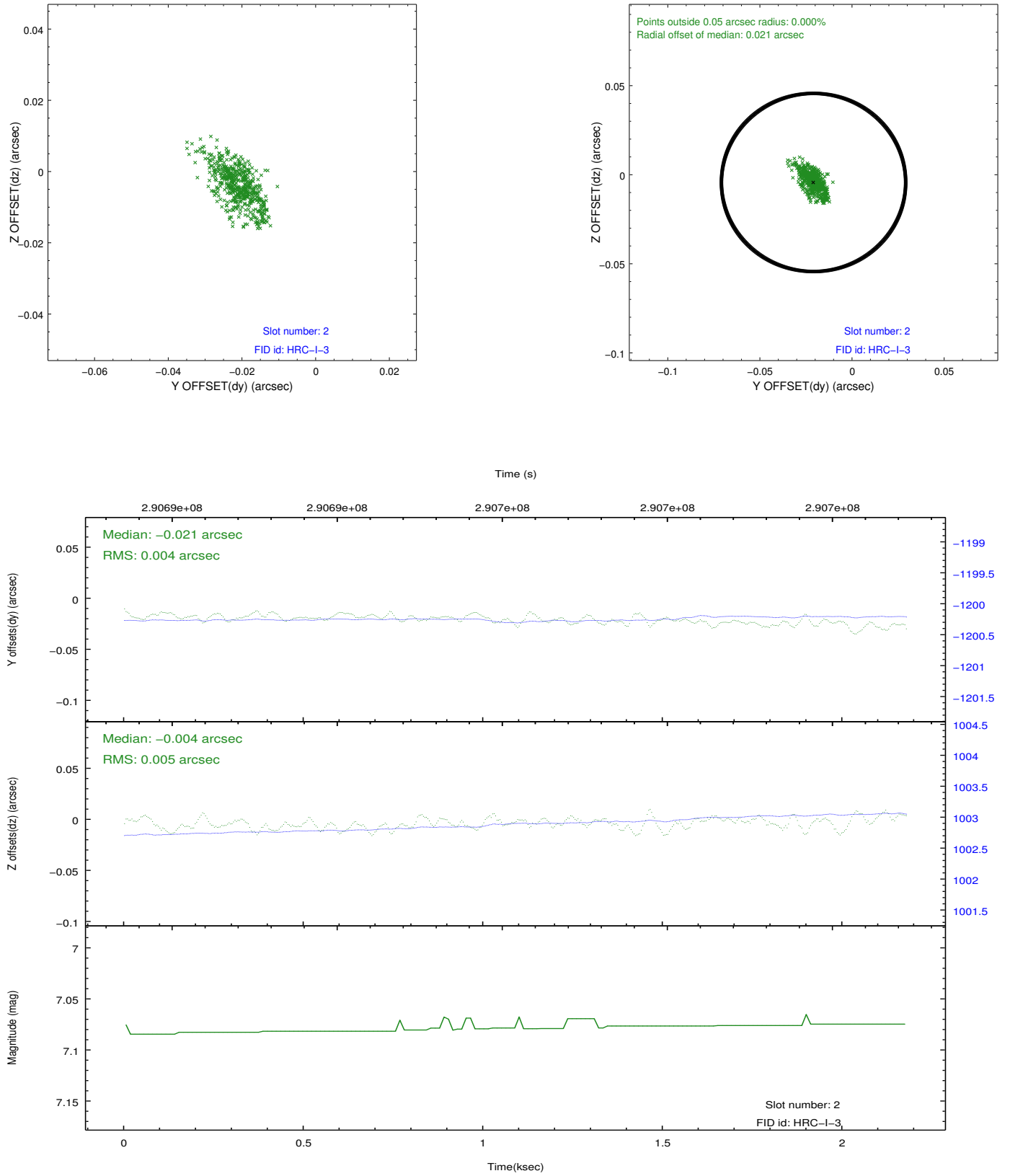
### 2.5.1 Slot 0



## 2.5.2 Slot 1



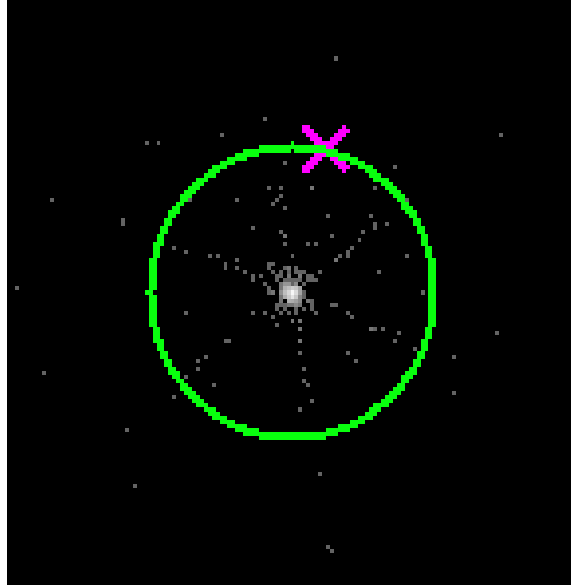
### 2.5.3 Slot 2



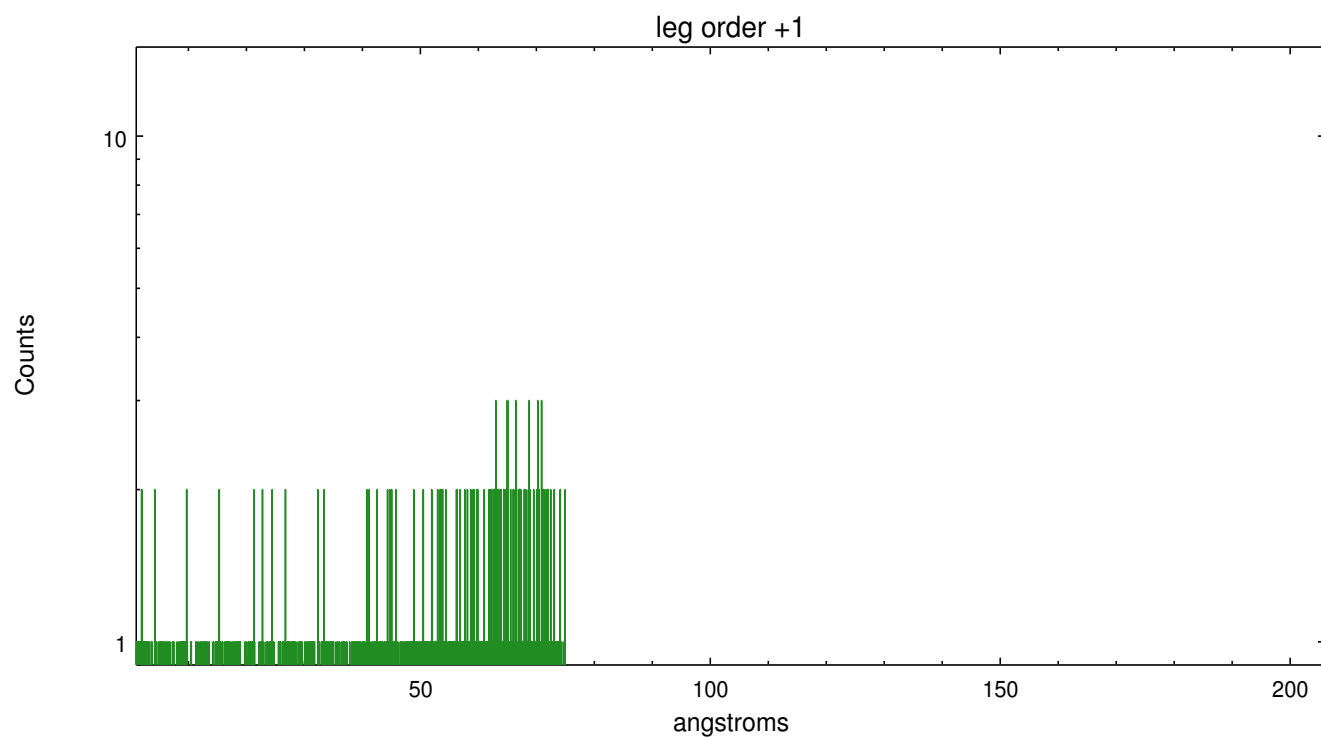
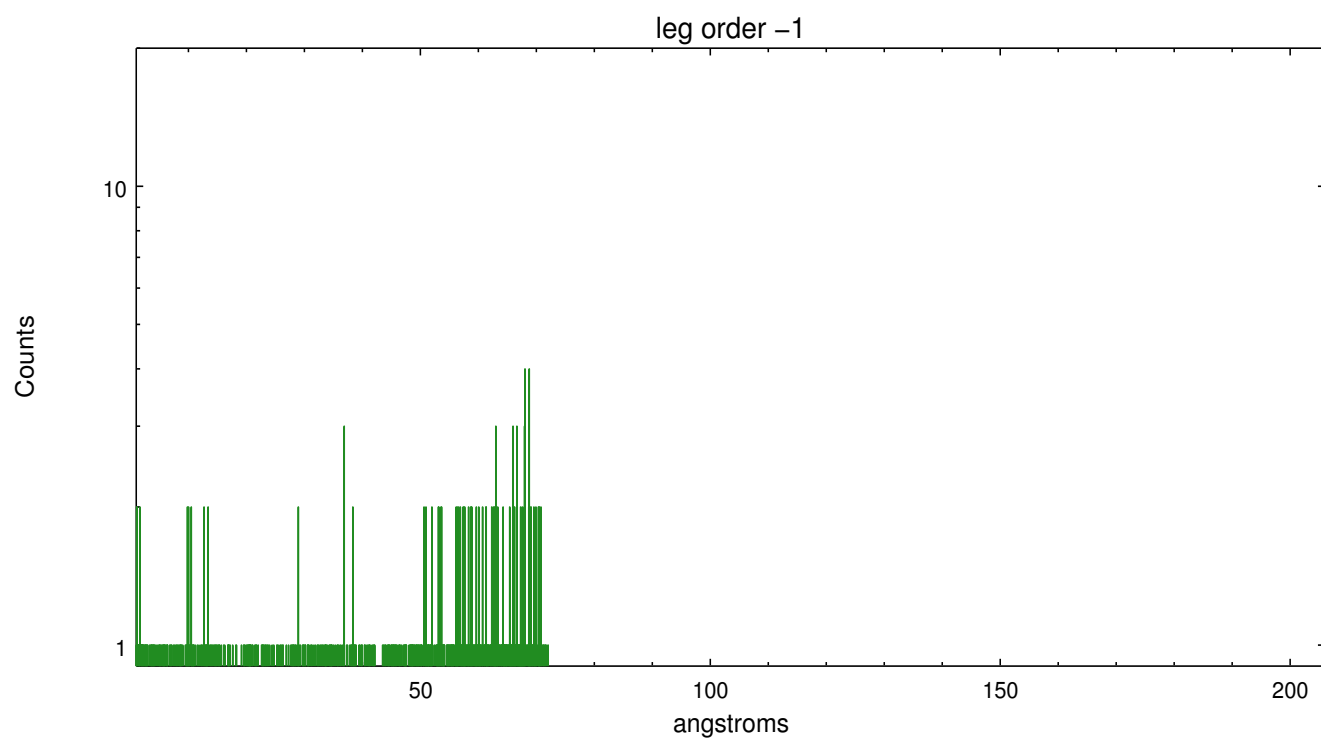


## 3 Gratings

### 3.1 LETG Arm



LETG Zero Order



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17786885

### A.2 Comments