

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1820 - L2 Version 001  
Chandra X-Ray Center

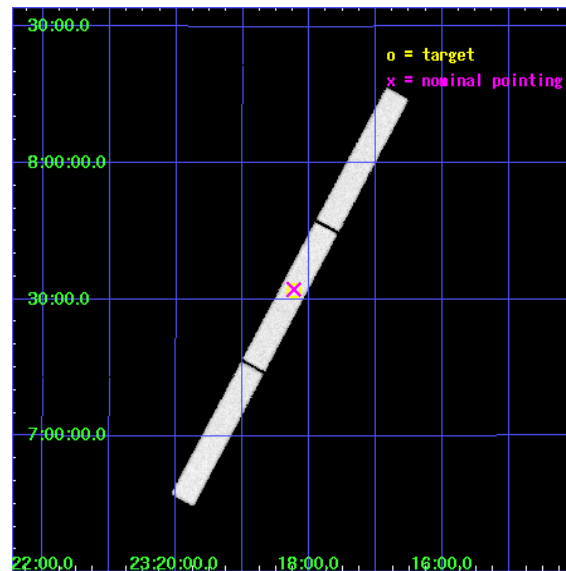
L2 Processing Date : Dec 11 2006

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# 1 Front

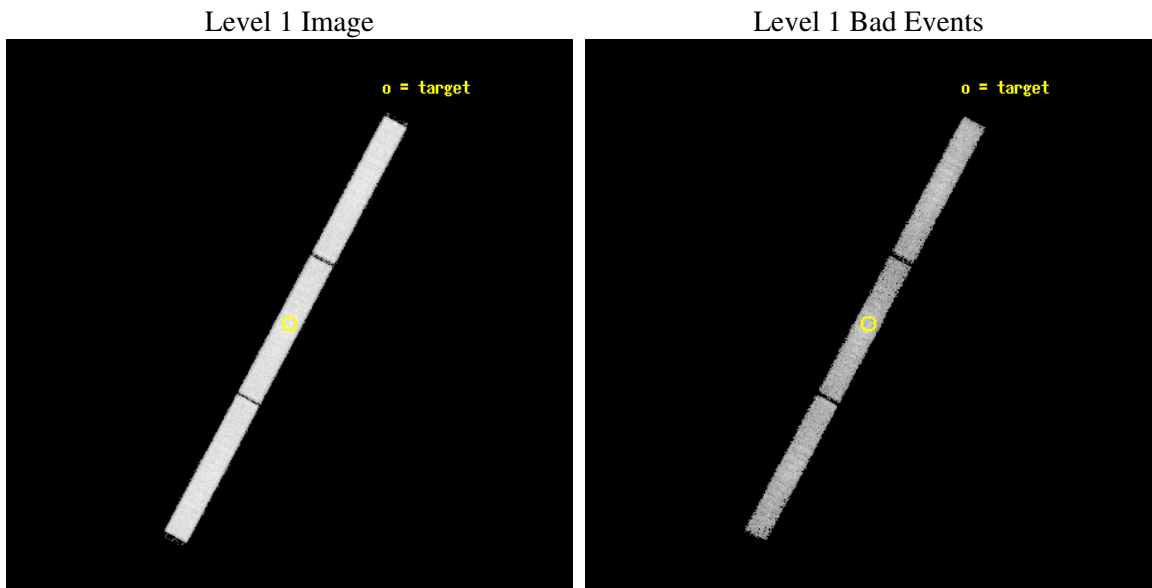
seq_num	100008
obs_id	1820
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2
observer	DR W. THOMAS VESTRAND
object	LINEAR 2001 A2
ra_targ	349.560604
dec_targ	7.532731
ra_nom	349.55827641789
dec_nom	7.5372564661013
roll_nom	118.16837505729
revision	2
ontime	2294.2063397318
livetime	2278.3896391665
l2events	134186



## 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	2006-12-11T21:13:48
revision	2

sched_exp_time	2150.000000
ontime	2340.0750915259
l1events	234248

### 2.1.3 Events

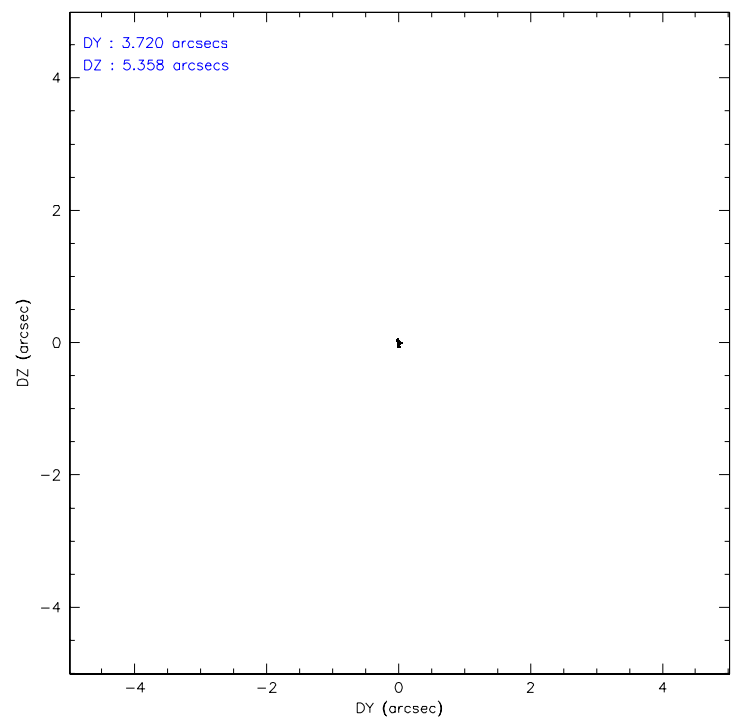
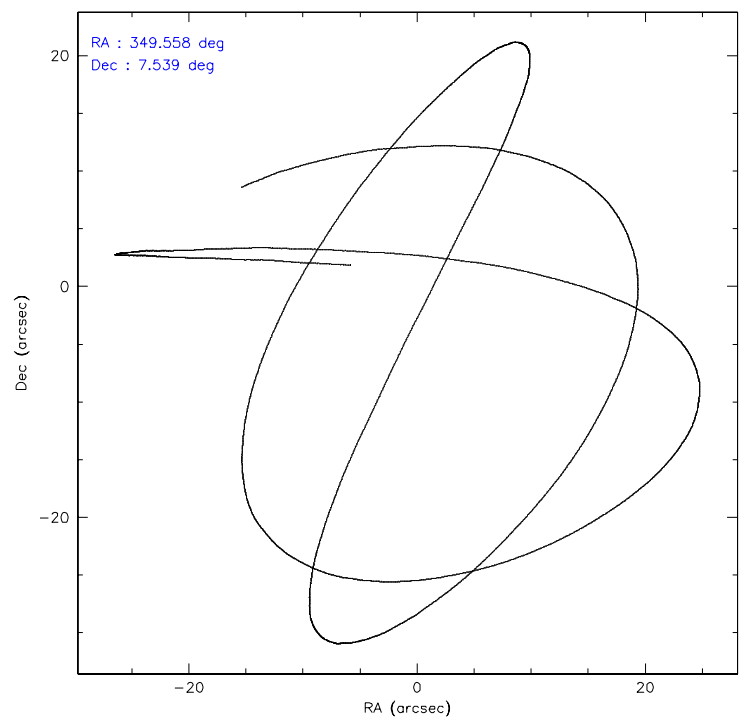
Level 1 Events

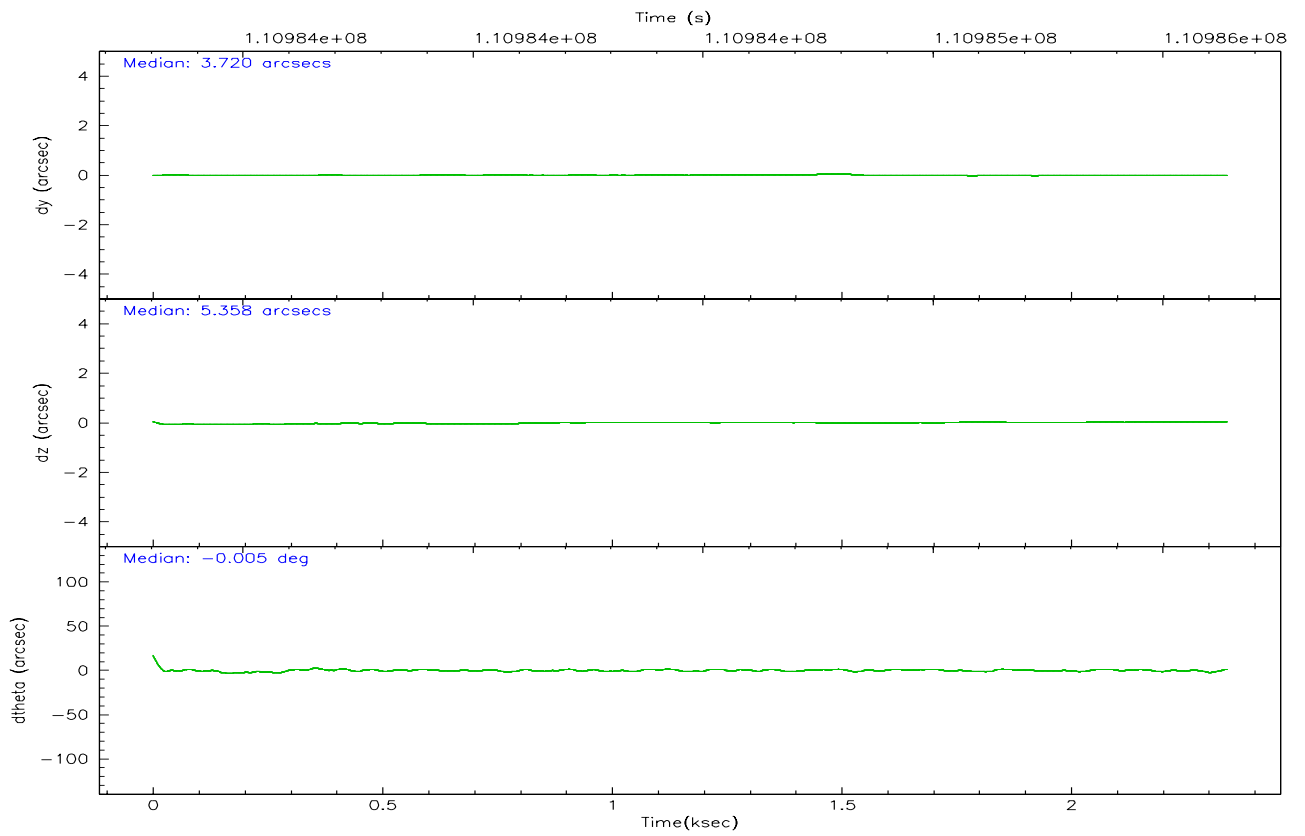
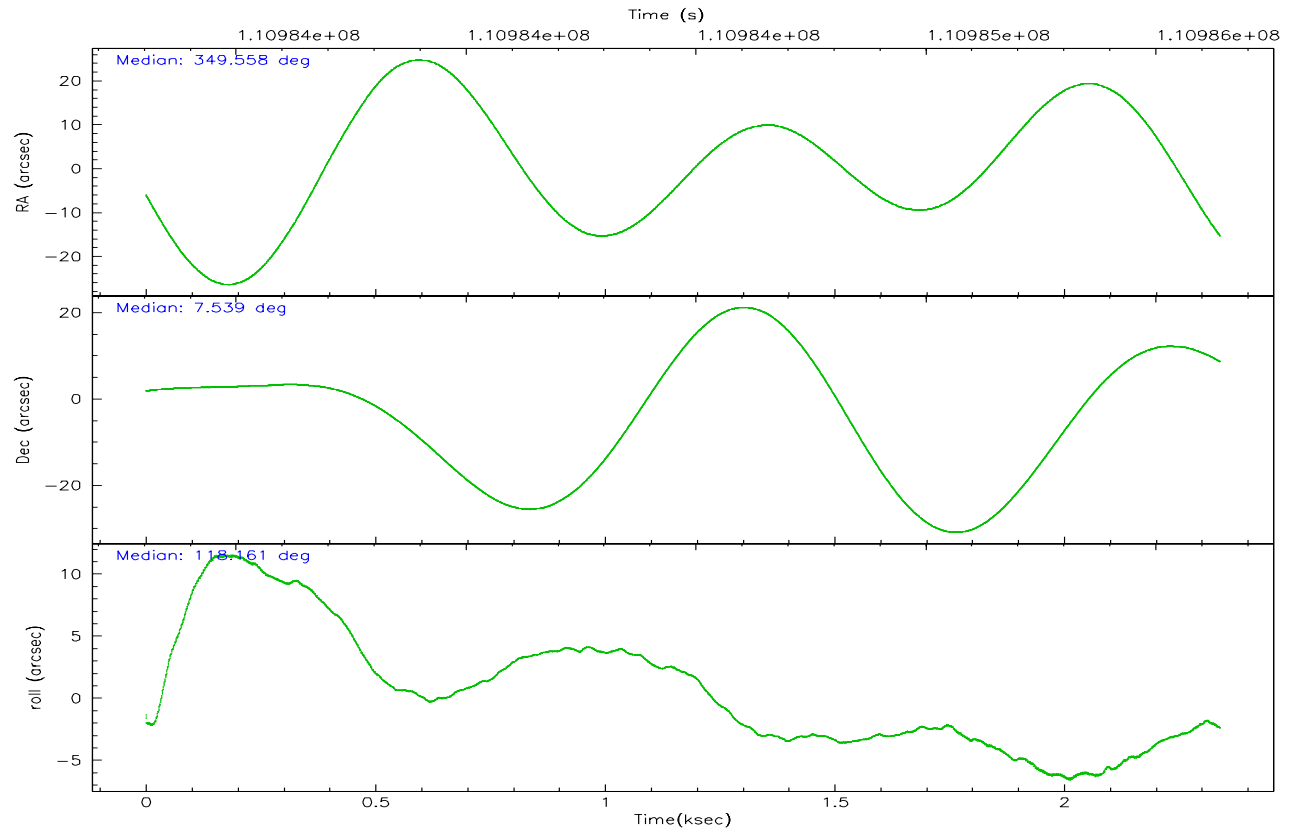
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	78263	76689	79296
rejected events	26044	26780	29659
rejected %	33%	34%	37%

## 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	349.583727	349.558276417894			
Pointing Dec	7.523059	7.53725646610126			
Pointing Roll	118.097692	118.1683750572884			
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	110983494.184000	110983118.13209			
Observation start date	2001-07-08T12:43:50	2001-07-08T12:38:38			
Observation end time	110985644.184000	110985778.00719			
Observation end date	2001-07-08T13:19:40	2001-07-08T13:22:58			

2.3 Aspect



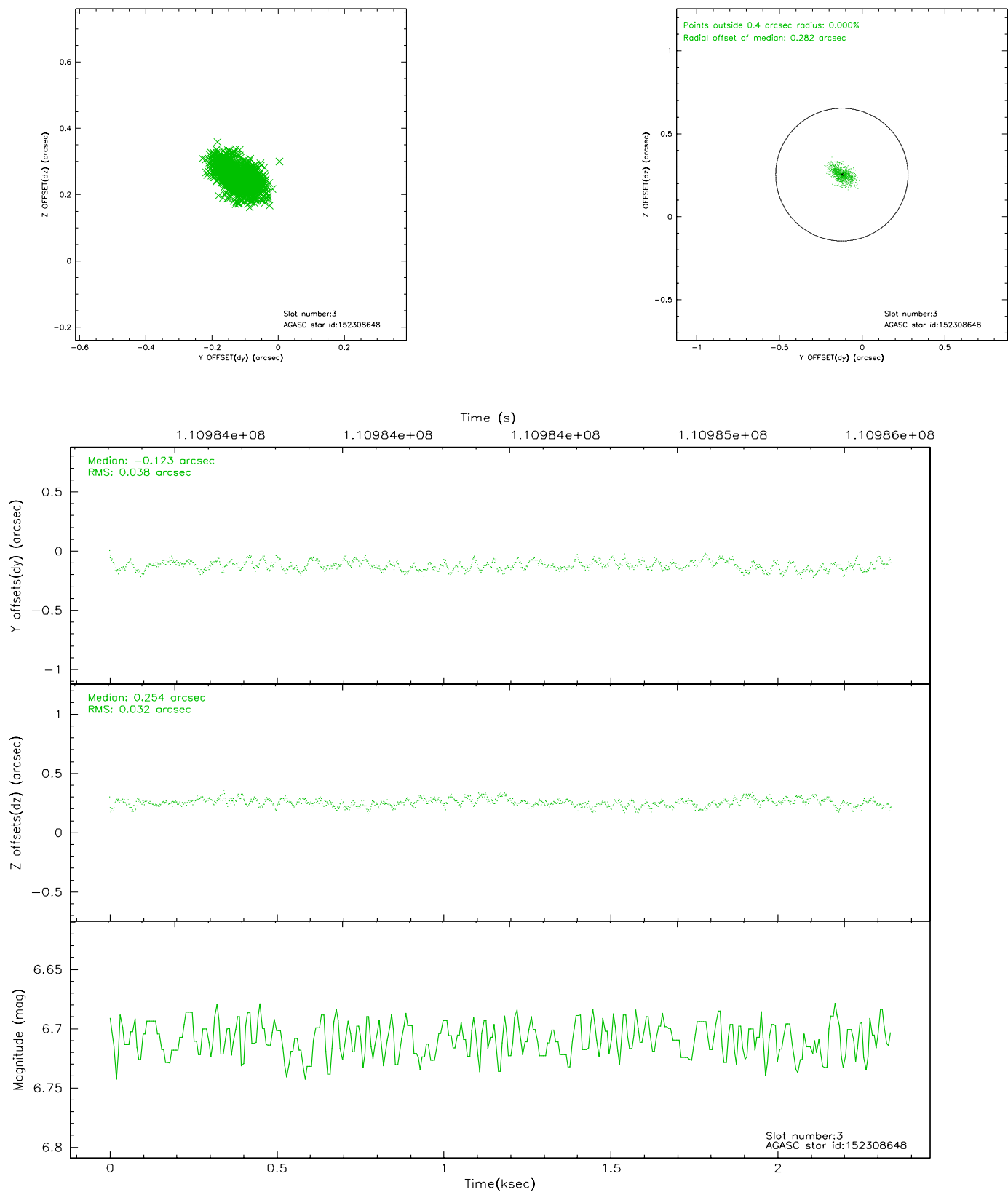


### Slot Statistics

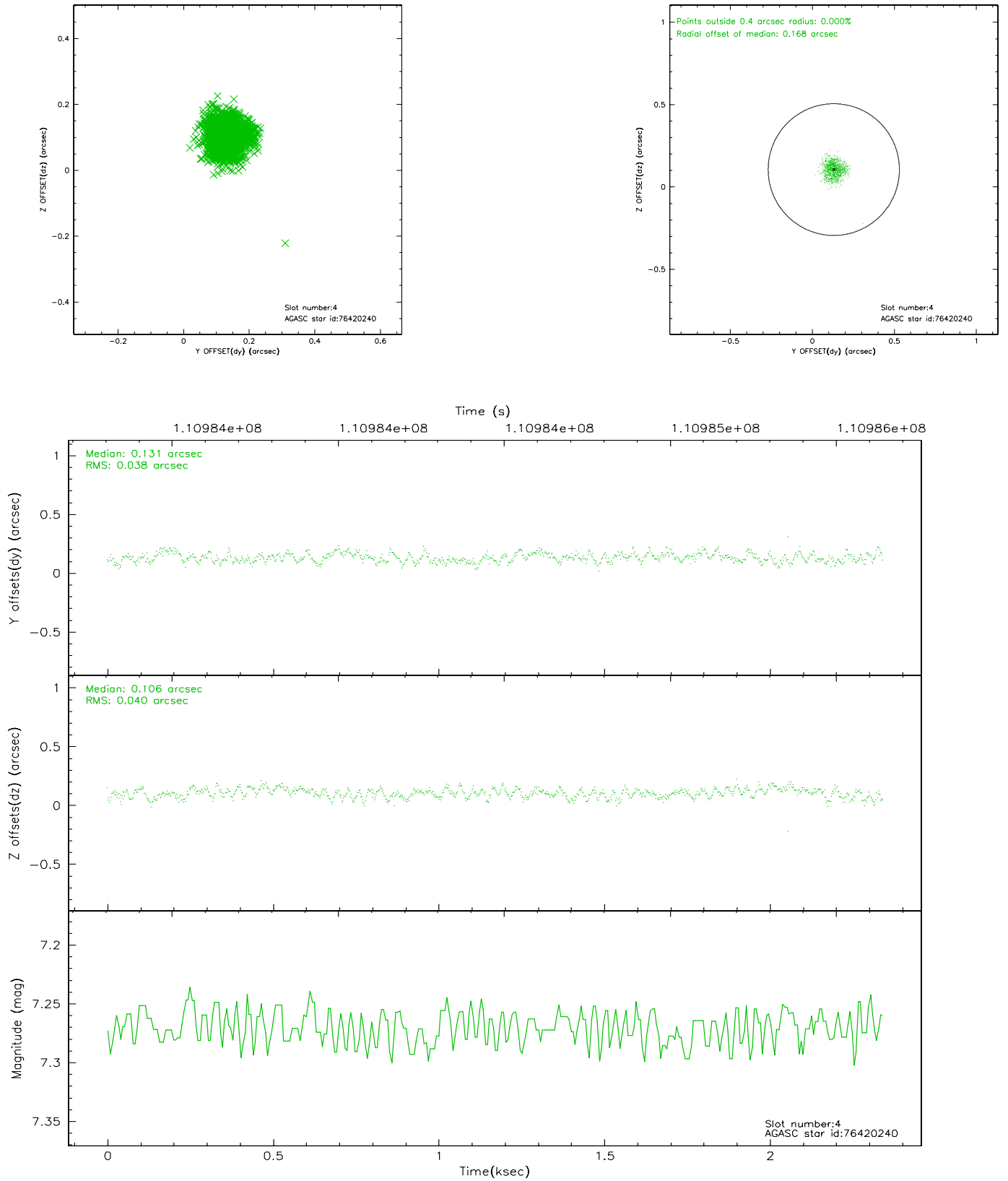
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	571	0.135	-0.171	0.006	0.010	0.000000	0.000000	-1157.77	-453.93
1	FID	HRC-S-3	7.02	571	0.163	-0.024	0.008	0.012	0.000000	0.000000	-1162.52	574.95
2	FID	HRC-S-4	6.95	571	0.090	-0.102	0.005	0.008	0.000000	0.000000	1238.38	579.29
3	GUIDE	152308648	6.71	1143	-0.123	0.254	0.053	0.086	349.950276	7.982087	841.24	-1931.20
4	GUIDE	76420240	7.27	1142	0.131	0.106	0.059	0.088	349.834746	7.214951	-1401.27	-270.67
5	GUIDE	152181256	7.77	1143	-0.158	-0.224	0.058	0.086	349.141958	7.580367	922.00	1292.54
6	GUIDE	152180776	8.42	1143	0.072	0.053	0.057	0.092	349.576658	7.835091	1002.11	-505.85
7	GUIDE	76419040	9.10	1140	0.071	-0.190	0.082	0.132	349.315769	7.117648	-837.30	1530.72

## 2.4 Star Slots

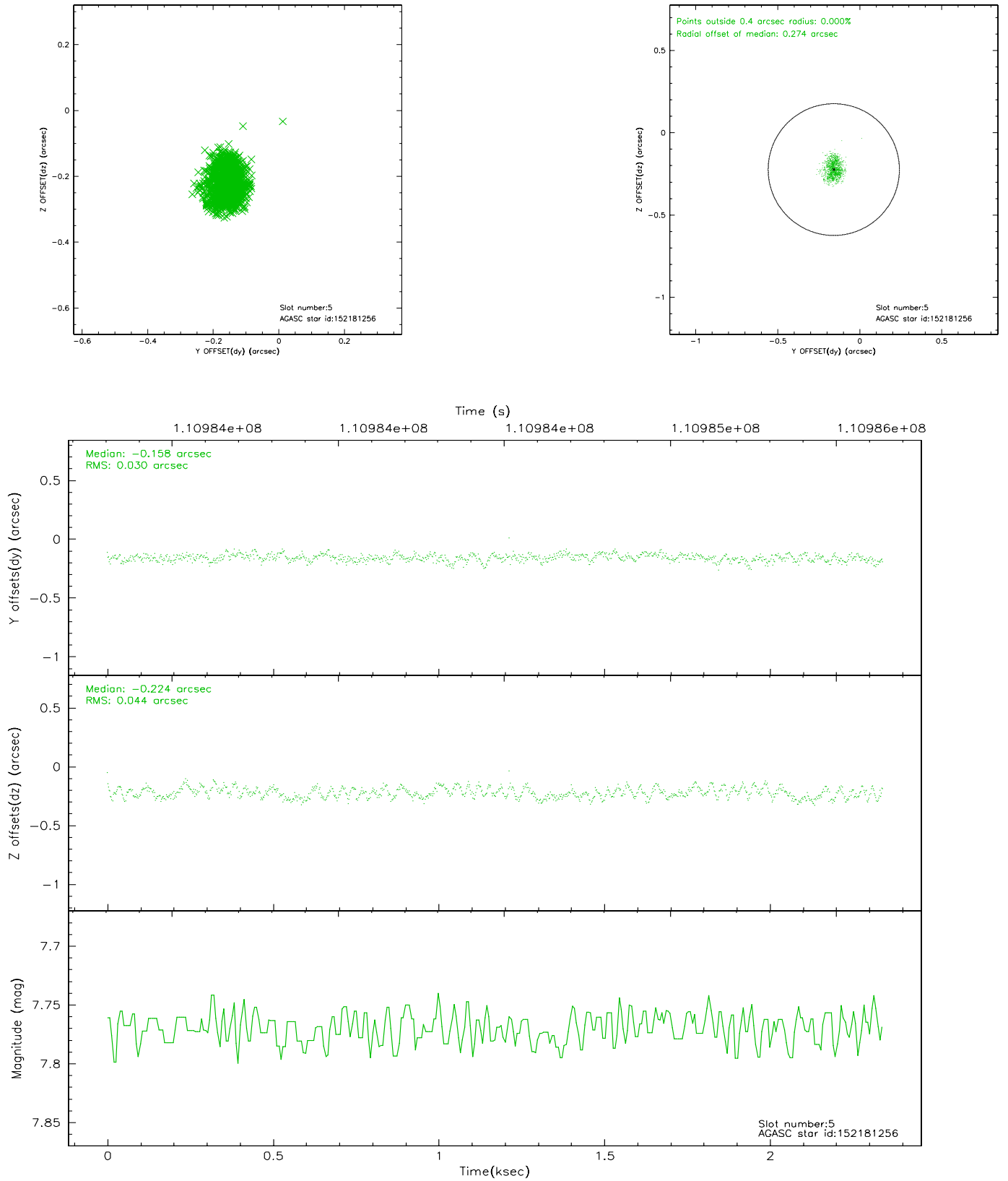
### 2.4.1 Slot 3



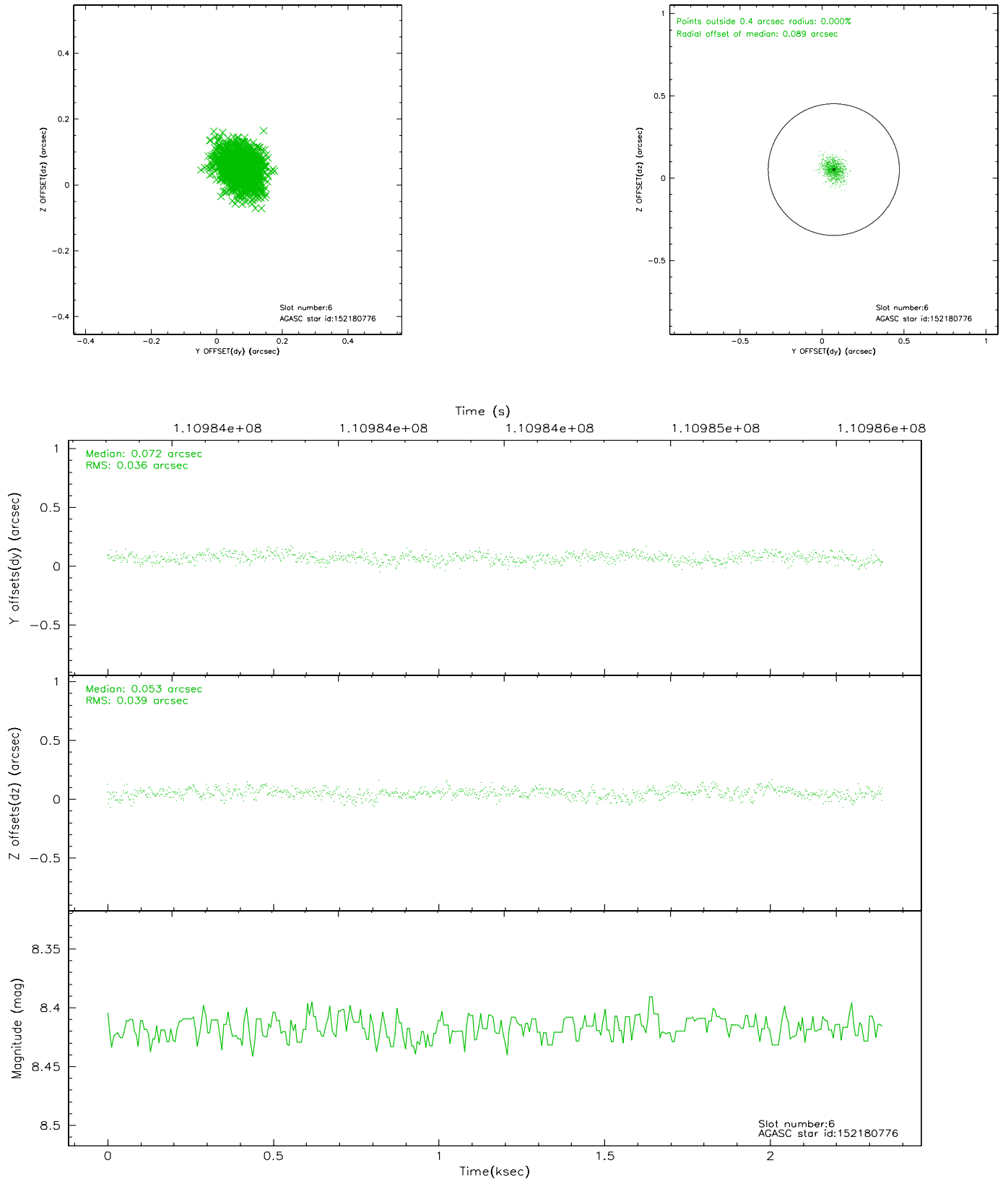
## 2.4.2 Slot 4



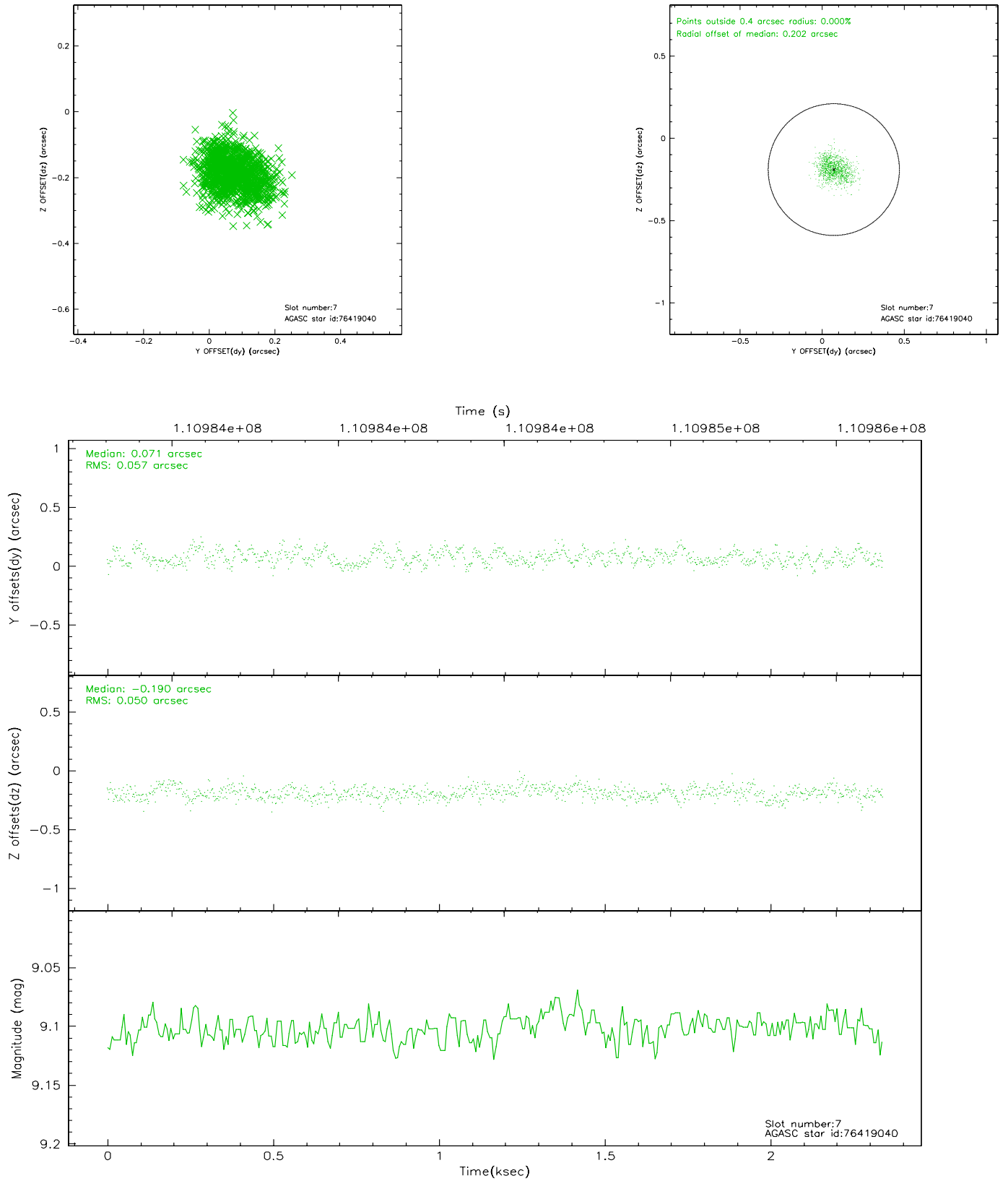
### 2.4.3 Slot 5



## 2.4.4 Slot 6

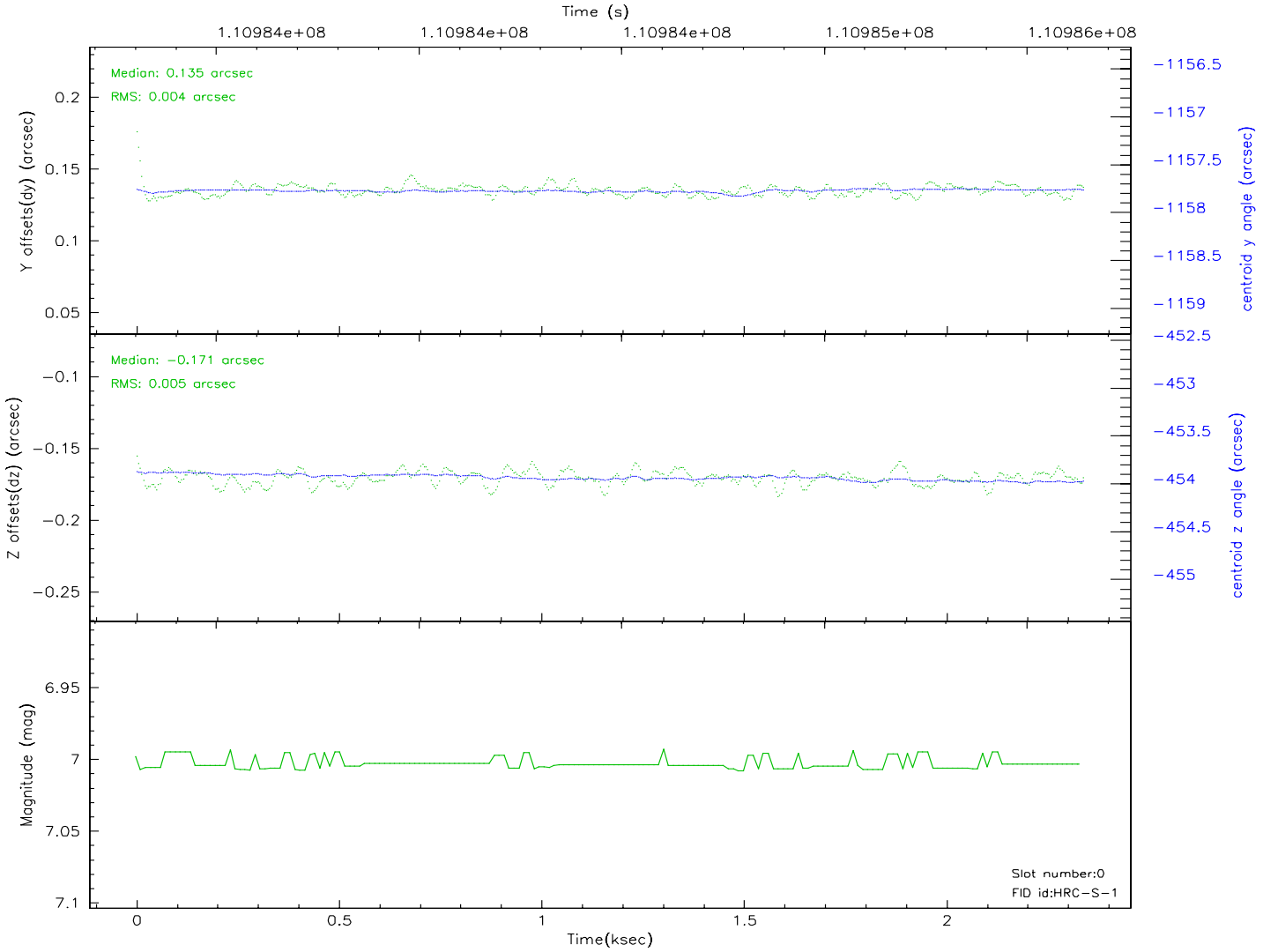
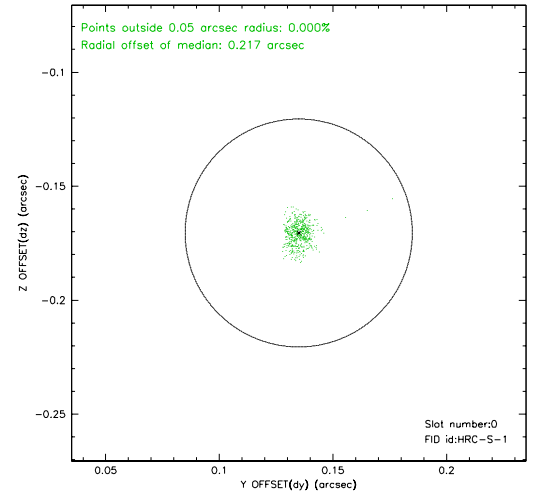
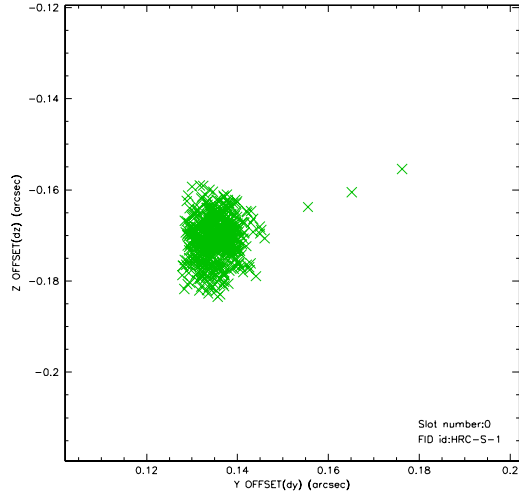


## 2.4.5 Slot 7

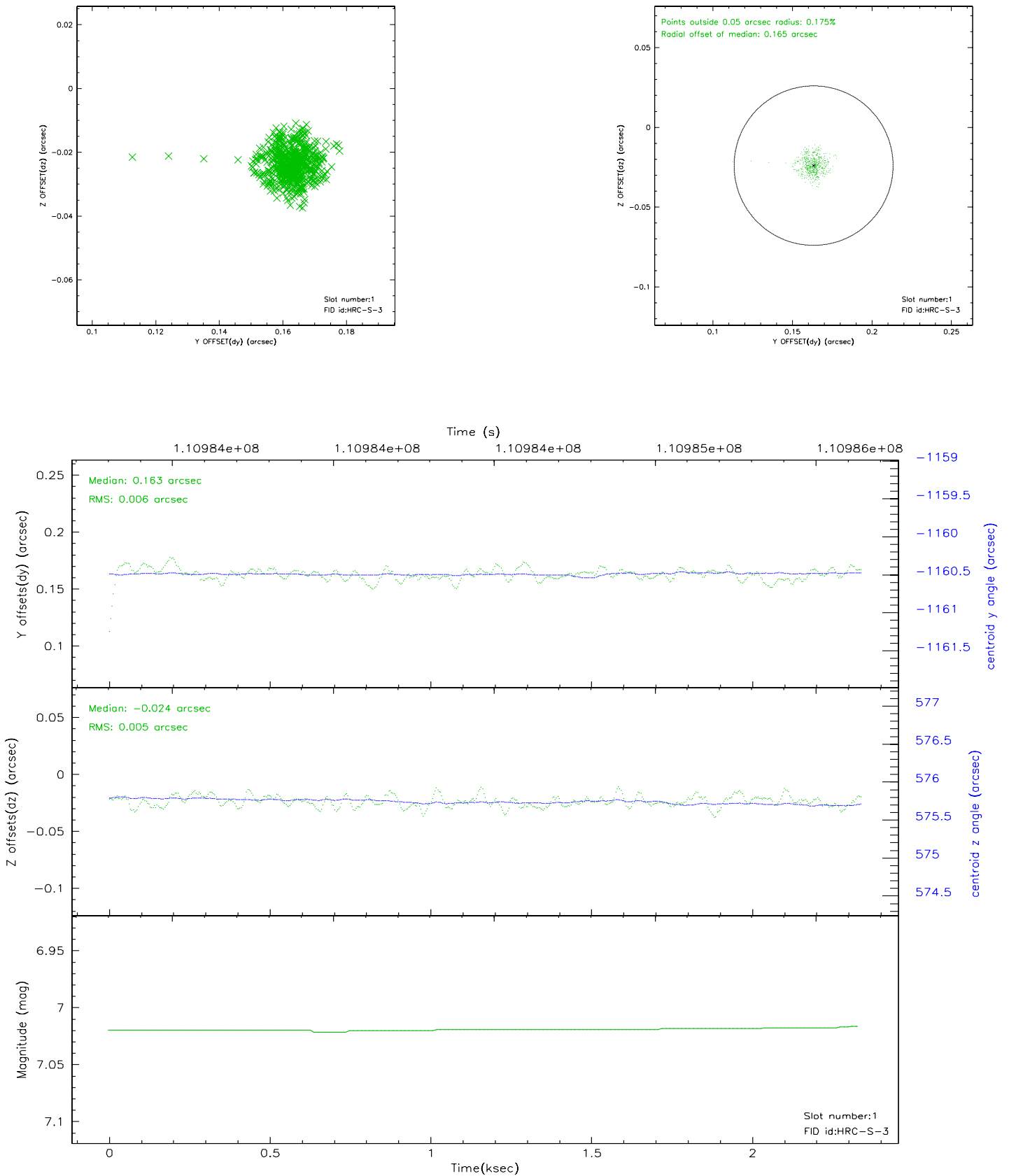


## 2.5 FID Slots

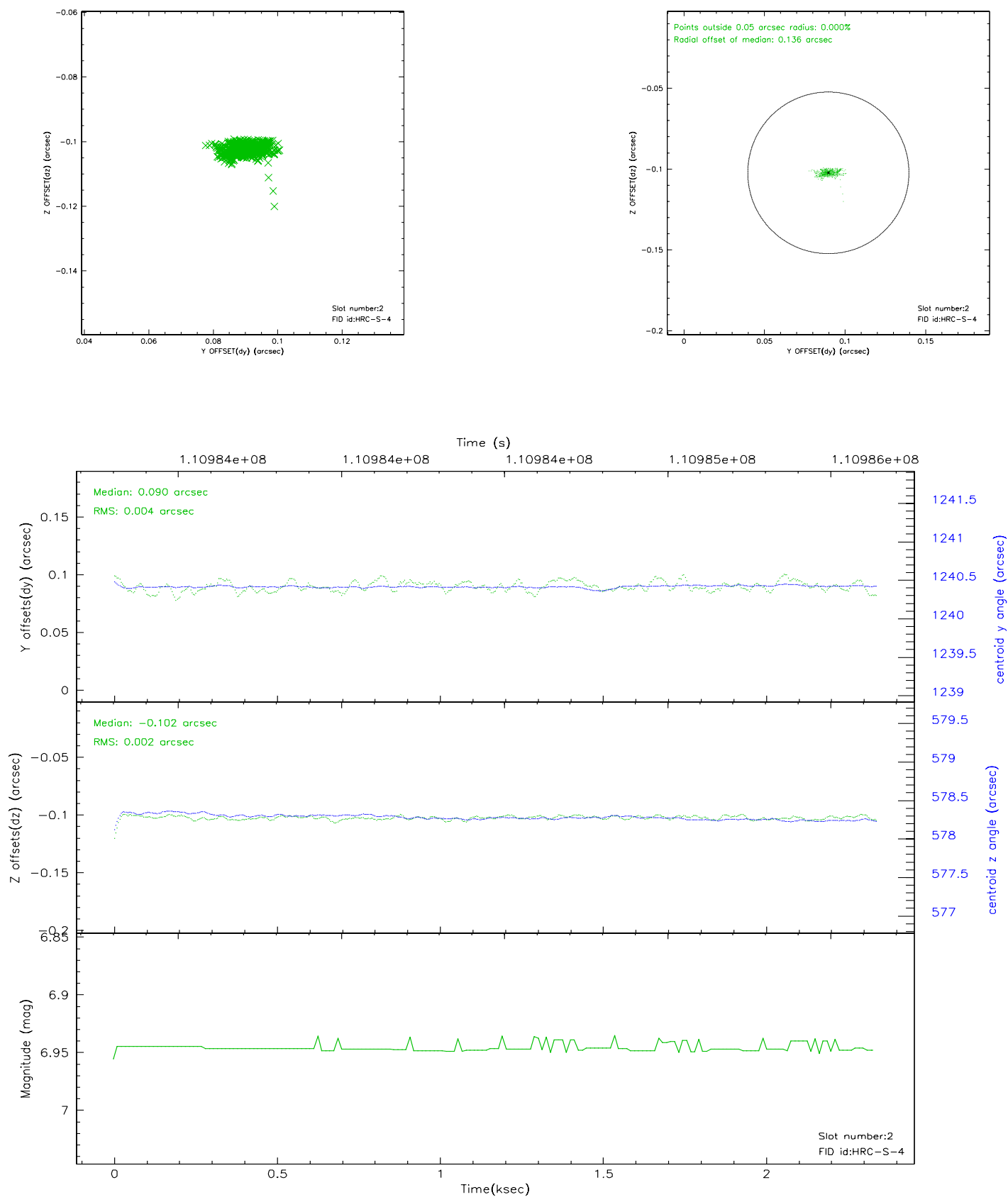
### 2.5.1 Slot 0



## 2.5.2 Slot 1

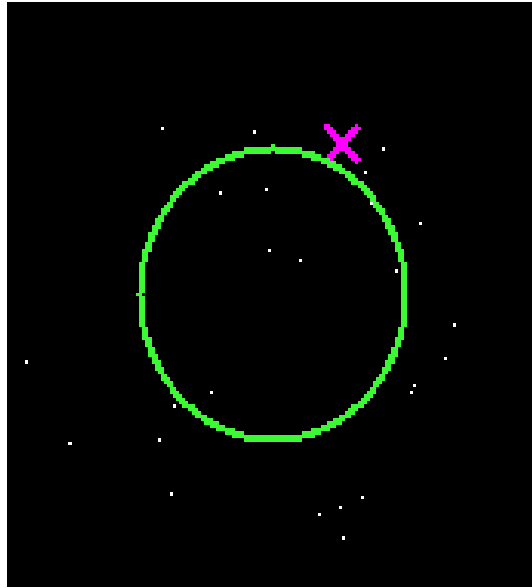


### 2.5.3 Slot 2

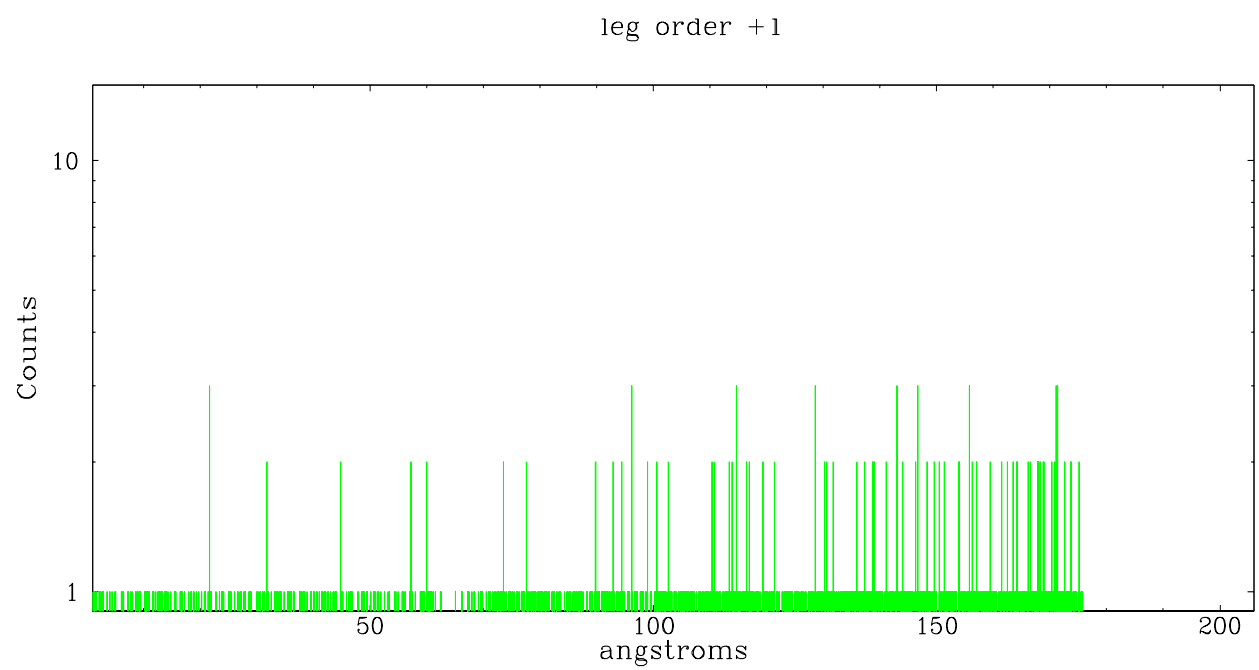
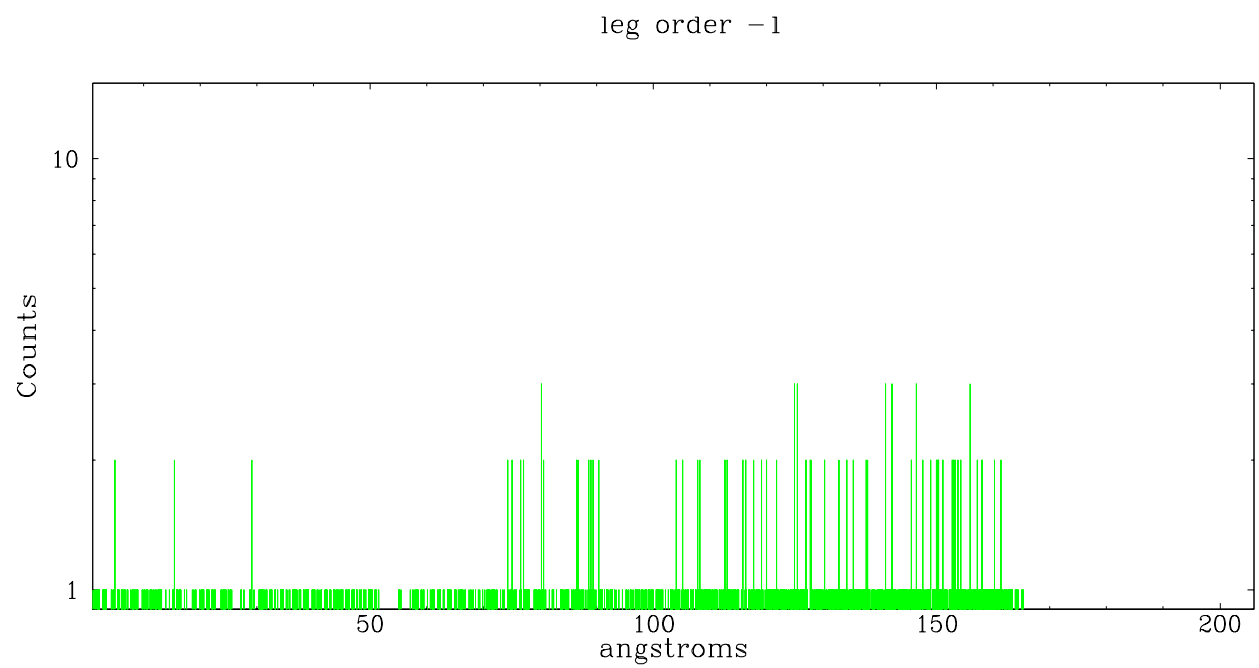


## 3 Gratings

### 3.1 LETG Arm



LETG Zero Order



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.333

## A.2 Comments

Monitor constraint met.

Tgdetect found no sources, 0th order position defaulted to ra\_targ, dec\_targ.

Users should run sso\_freeze or the equivalent on the suite of comet observations before rerunning tgdetect.