

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1826 - L2 Version 001  
Chandra X-Ray Center

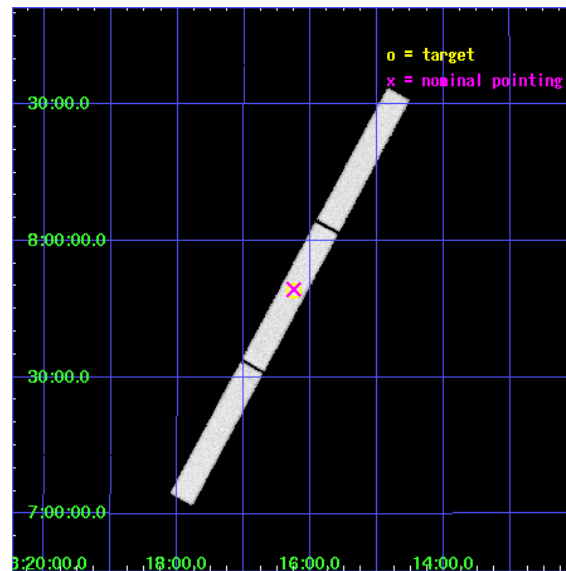
L2 Processing Date : Dec 11 2006

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# 1 Front

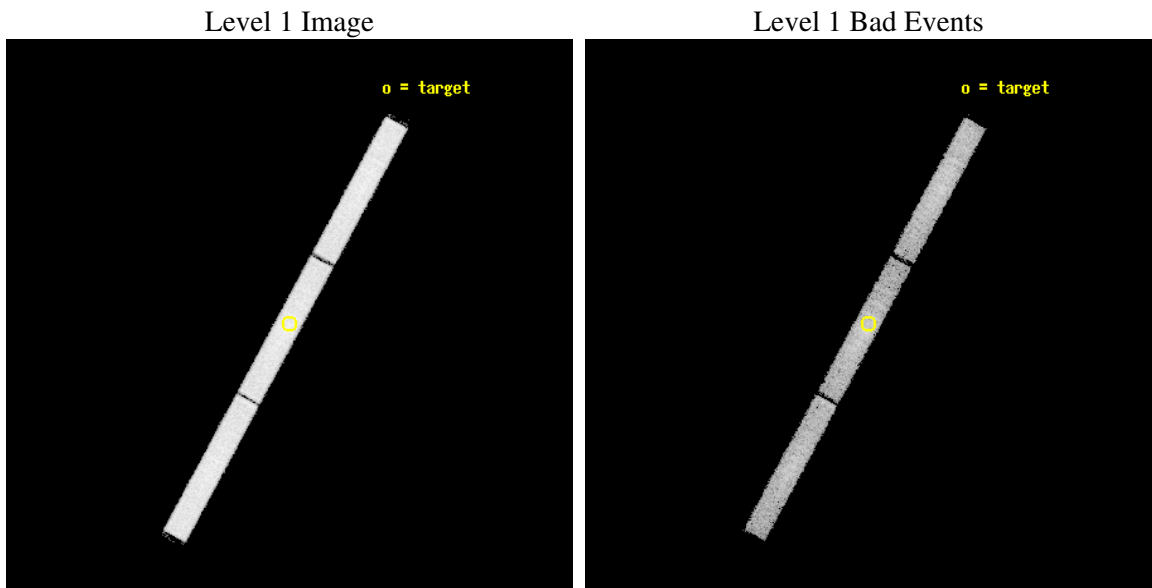
seq_num	100008
obs_id	1826
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2
observer	DR W. THOMAS VESTRAND
object	LINEAR 2001 A2
ra_targ	349.064987
dec_targ	7.8185
ra_nom	349.06286594798
dec_nom	7.8228460413015
roll_nom	118.48723785905
revision	2
ontime	2193.7563358098
livetime	2178.6378478949
l2events	128760



## 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	2006-12-11T22:16:36
revision	2

sched_exp_time	2050.000000
ontime	2243.9813377708
l1events	227668

### 2.1.3 Events

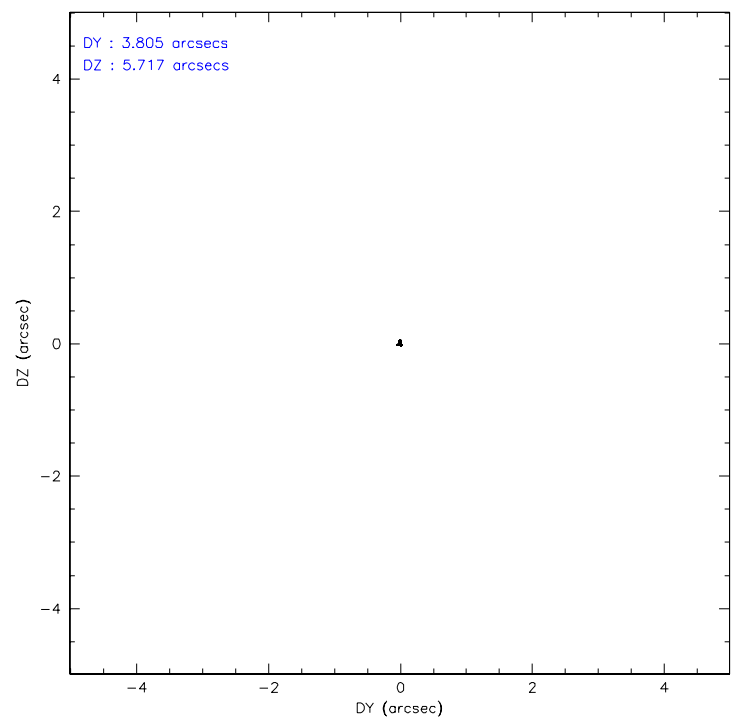
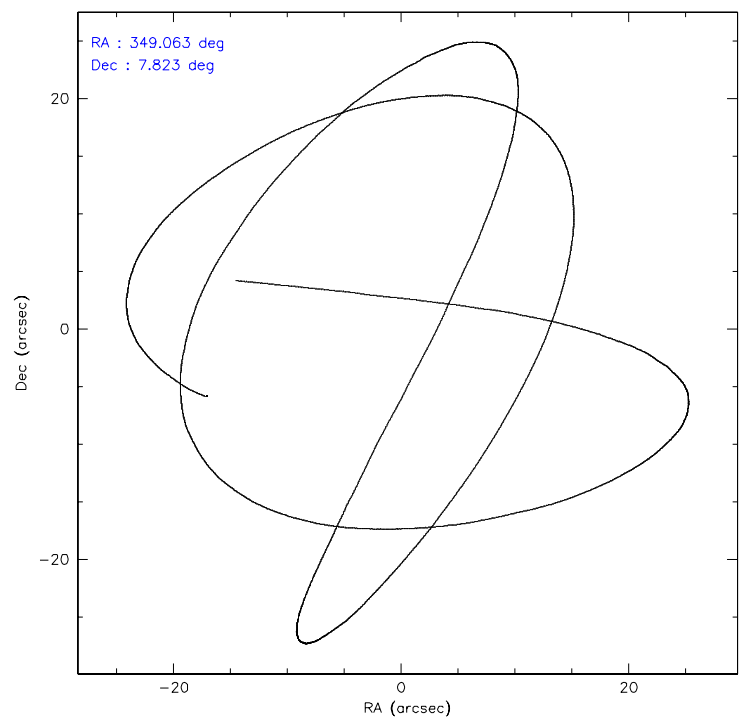
Level 1 Events

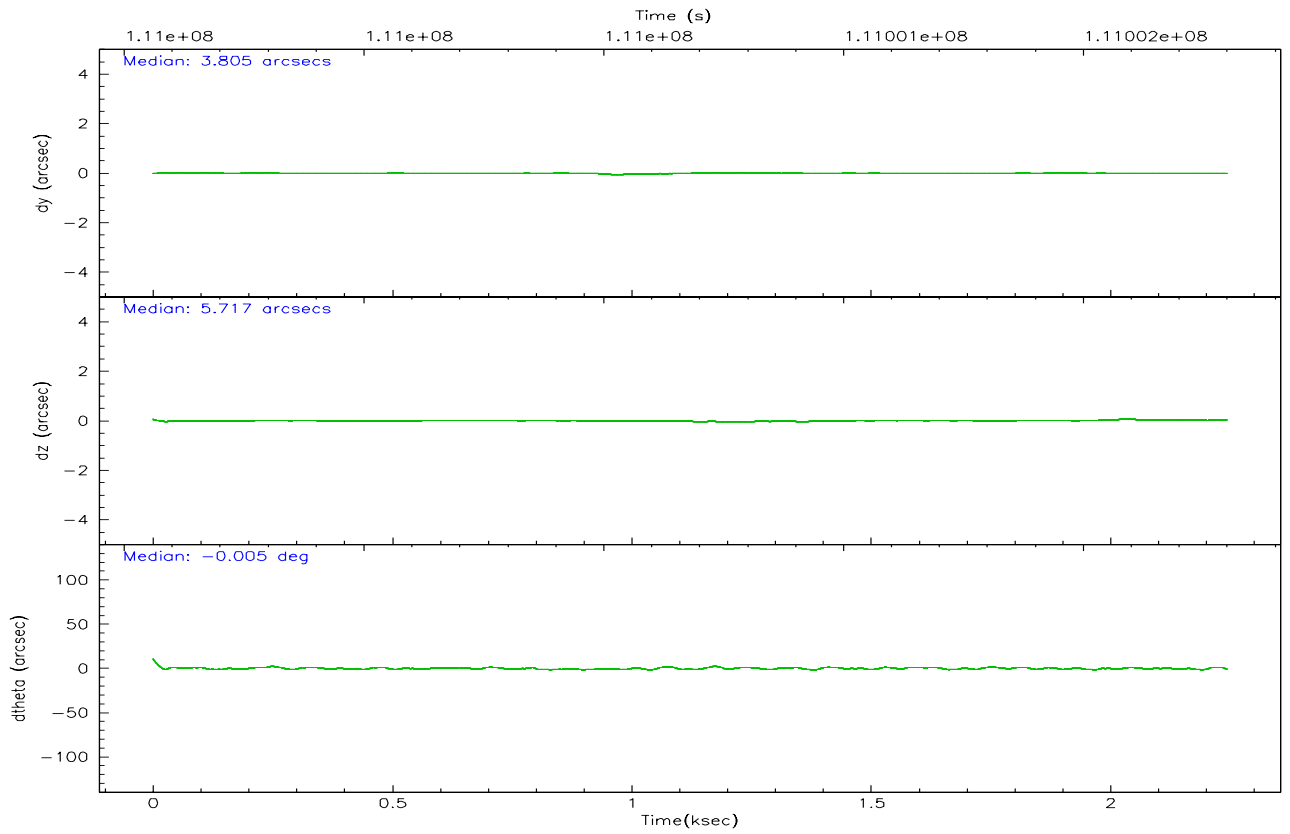
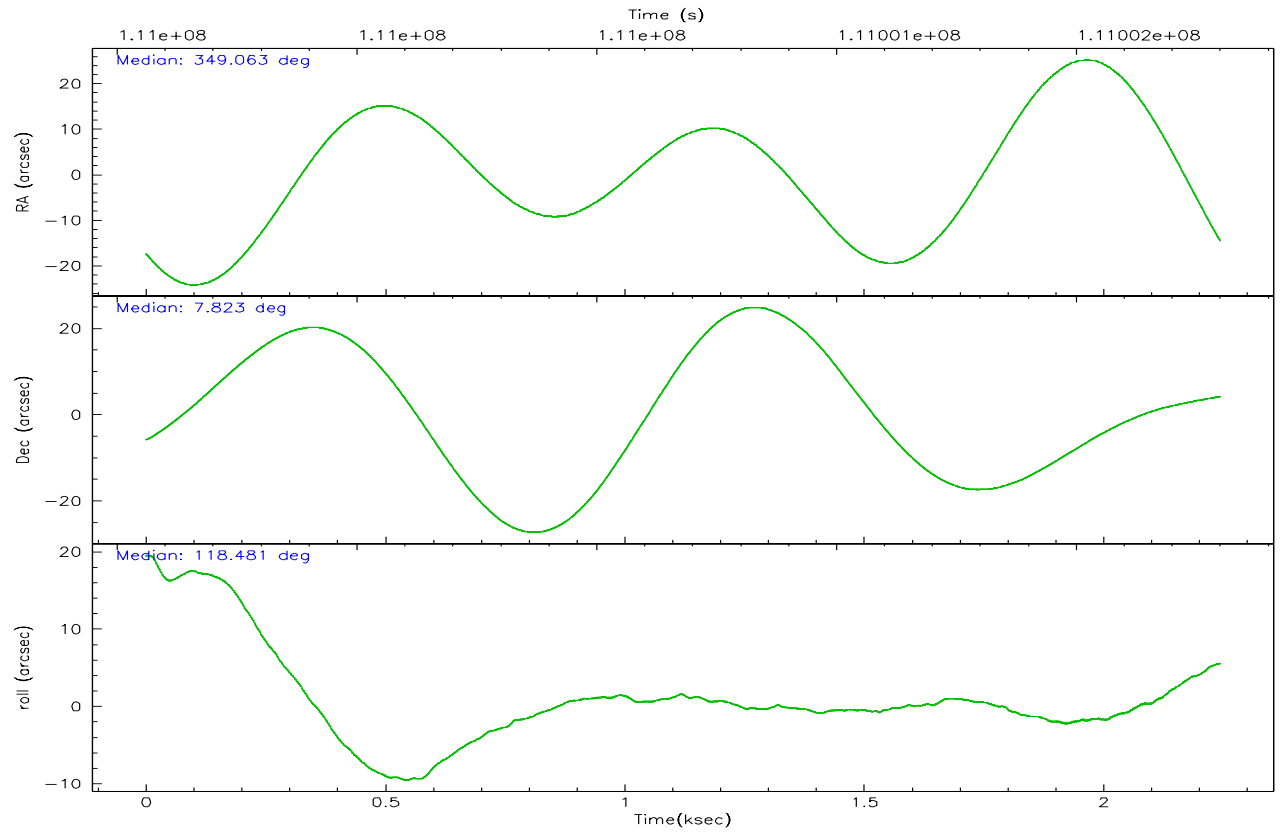
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	76023	75171	76474
rejected events	25964	26863	29200
rejected %	34%	35%	38%

## 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	349.088187	349.0628659479802			
Pointing Dec	7.808954	7.822846041301534			
Pointing Roll	118.416454	118.4872378590491			
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	110999754.184000	110999377.70772			
Observation start date	2001-07-08T17:14:50	2001-07-08T17:09:37			
Observation end time	111001804.184000	111001962.24533			
Observation end date	2001-07-08T17:49:00	2001-07-08T17:52:42			

2.3 Aspect





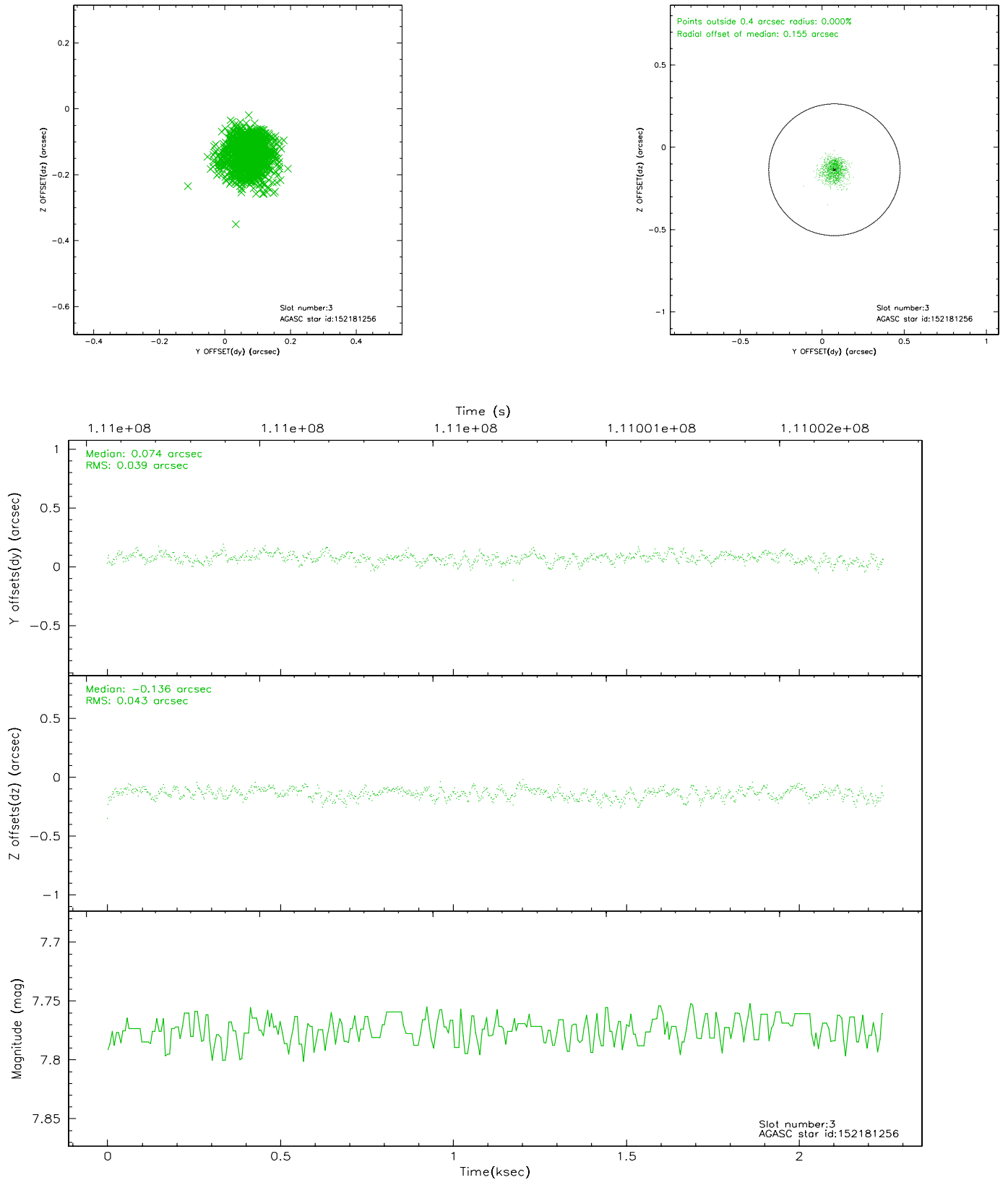
### Slot Statistics

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	548	0.129	-0.163	0.006	0.010	0.000000	0.000000	-1157.86	-454.32
1	FID	HRC-S-3	7.02	548	0.169	-0.035	0.007	0.011	0.000000	0.000000	-1162.69	574.51
2	FID	HRC-S-4	6.94	548	0.091	-0.100	0.004	0.009	0.000000	0.000000	1238.21	578.97
3	GUIDE	152181256	7.77	1096	0.074	-0.136	0.062	0.099	349.141958	7.580367	-815.87	222.61
4	GUIDE	152180776	8.42	1096	0.122	0.123	0.071	0.114	349.576658	7.835091	-746.70	-1577.27
5	GUIDE	152180360	8.59	1096	-0.020	0.053	0.060	0.099	349.110181	8.037159	683.72	-461.24
6	GUIDE	152187192	8.90	1095	-0.084	0.106	0.071	0.123	349.378103	8.213055	788.09	-1601.26
7	GUIDE	152188480	8.94	1094	-0.091	-0.139	0.069	0.113	348.517103	8.131940	1992.11	1234.70

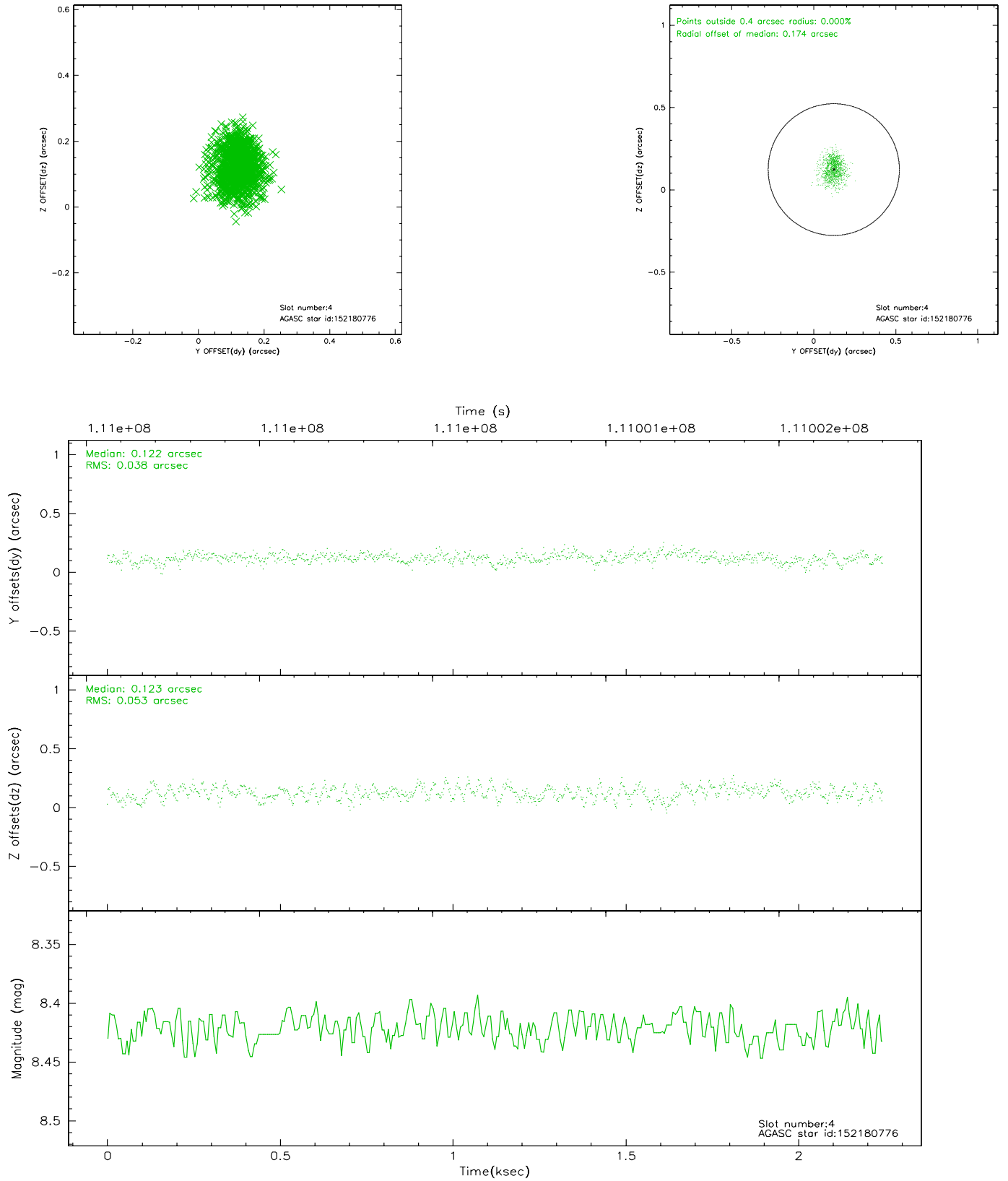


## 2.4 Star Slots

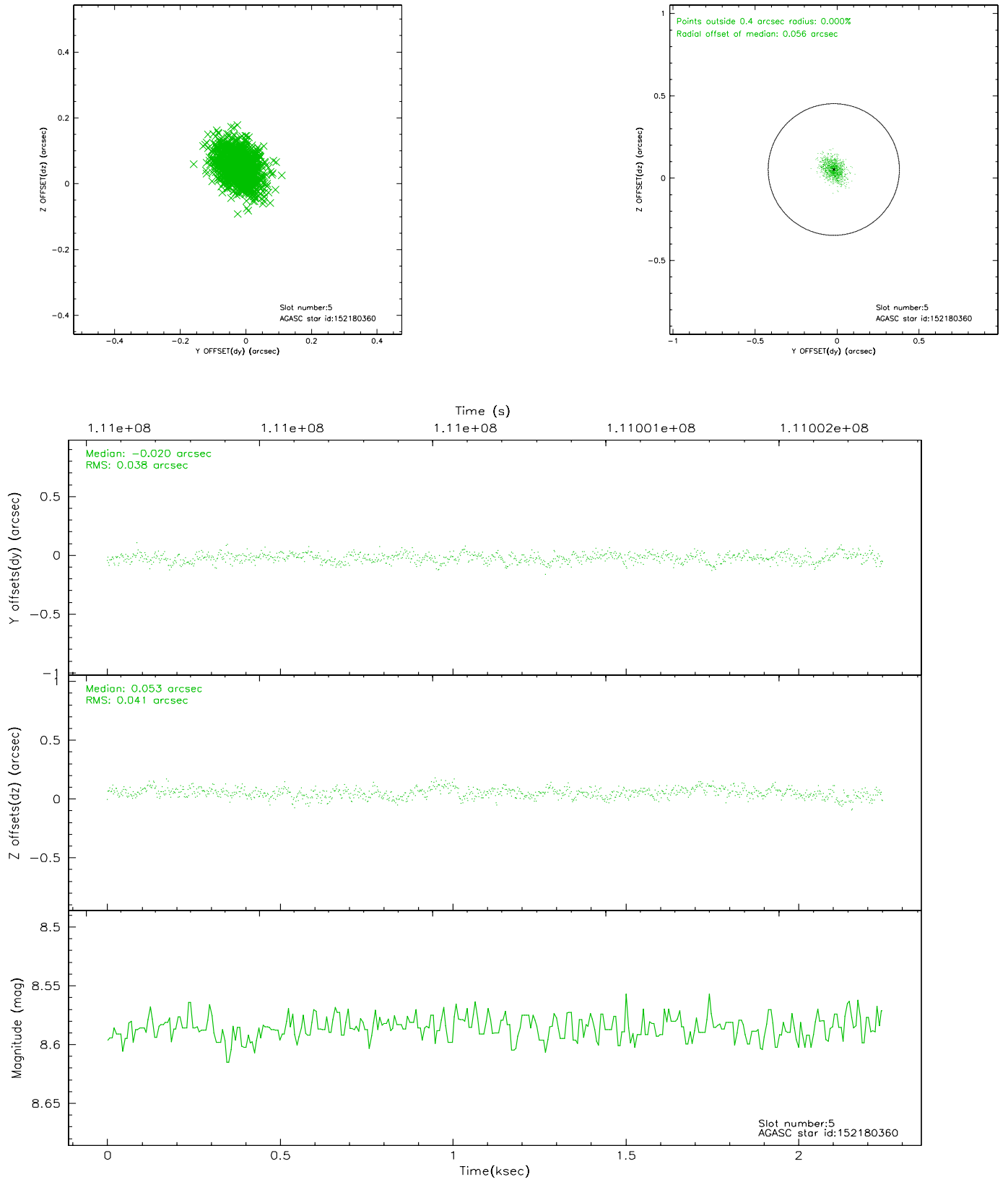
### 2.4.1 Slot 3



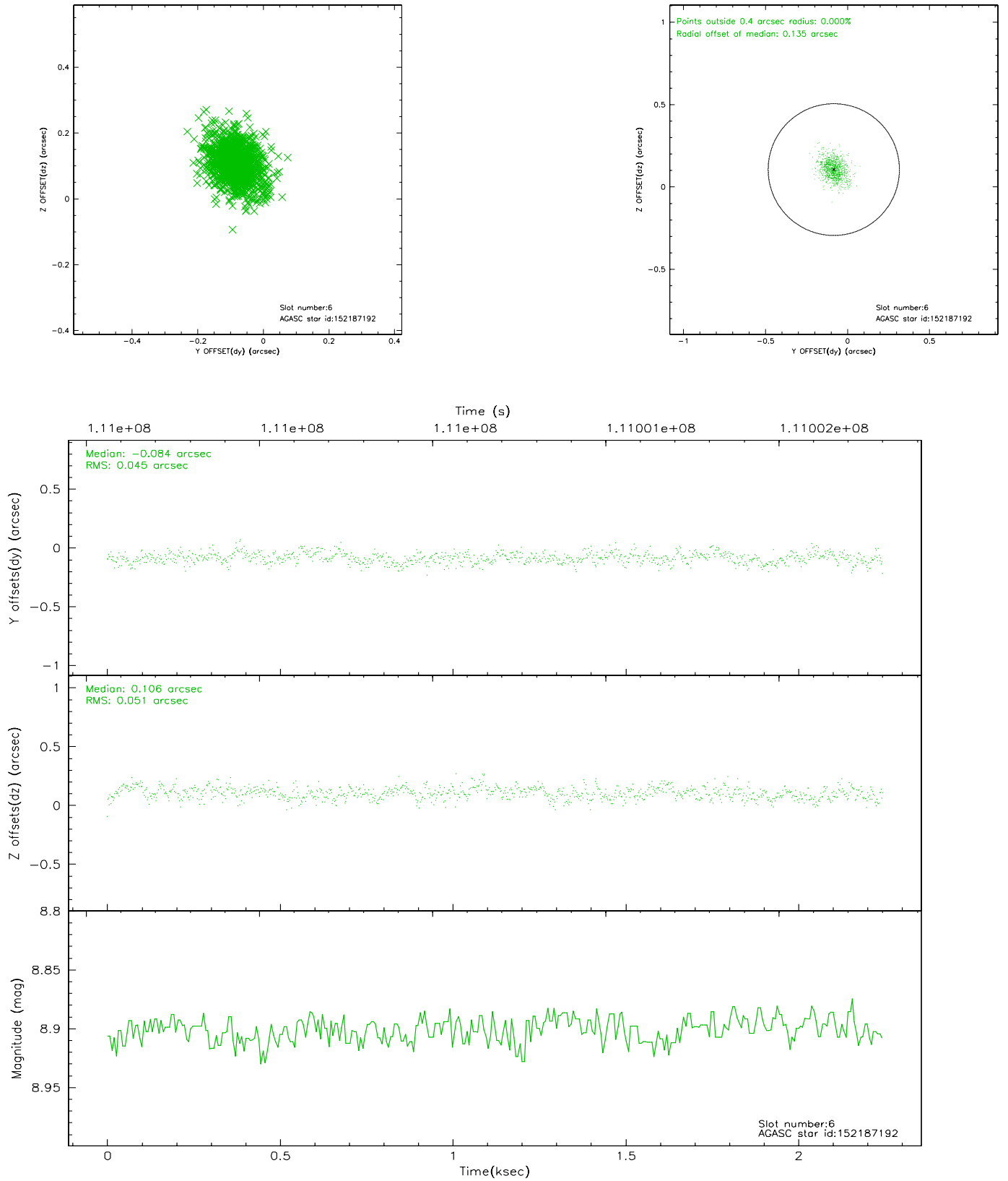
## 2.4.2 Slot 4



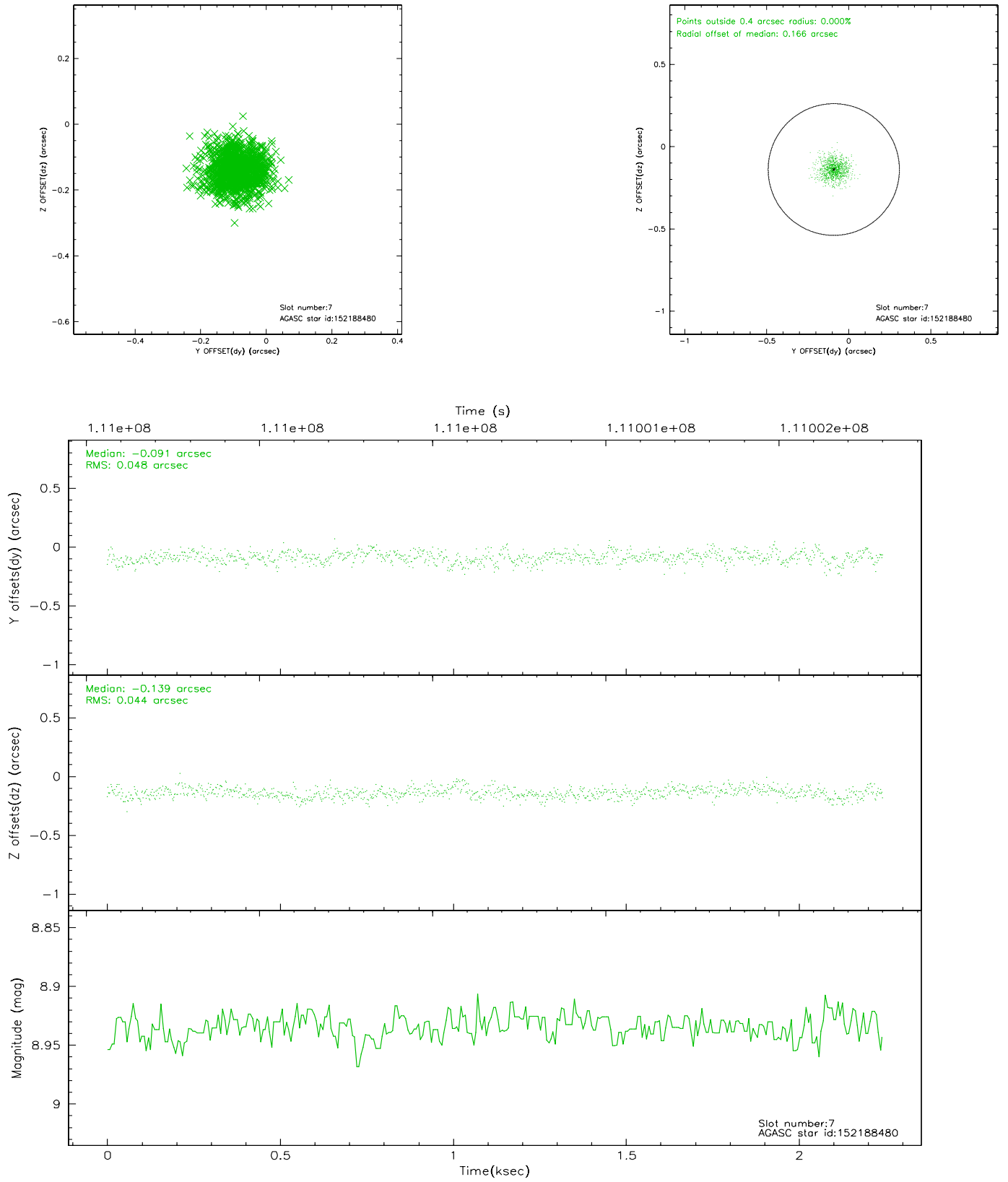
### 2.4.3 Slot 5



## 2.4.4 Slot 6

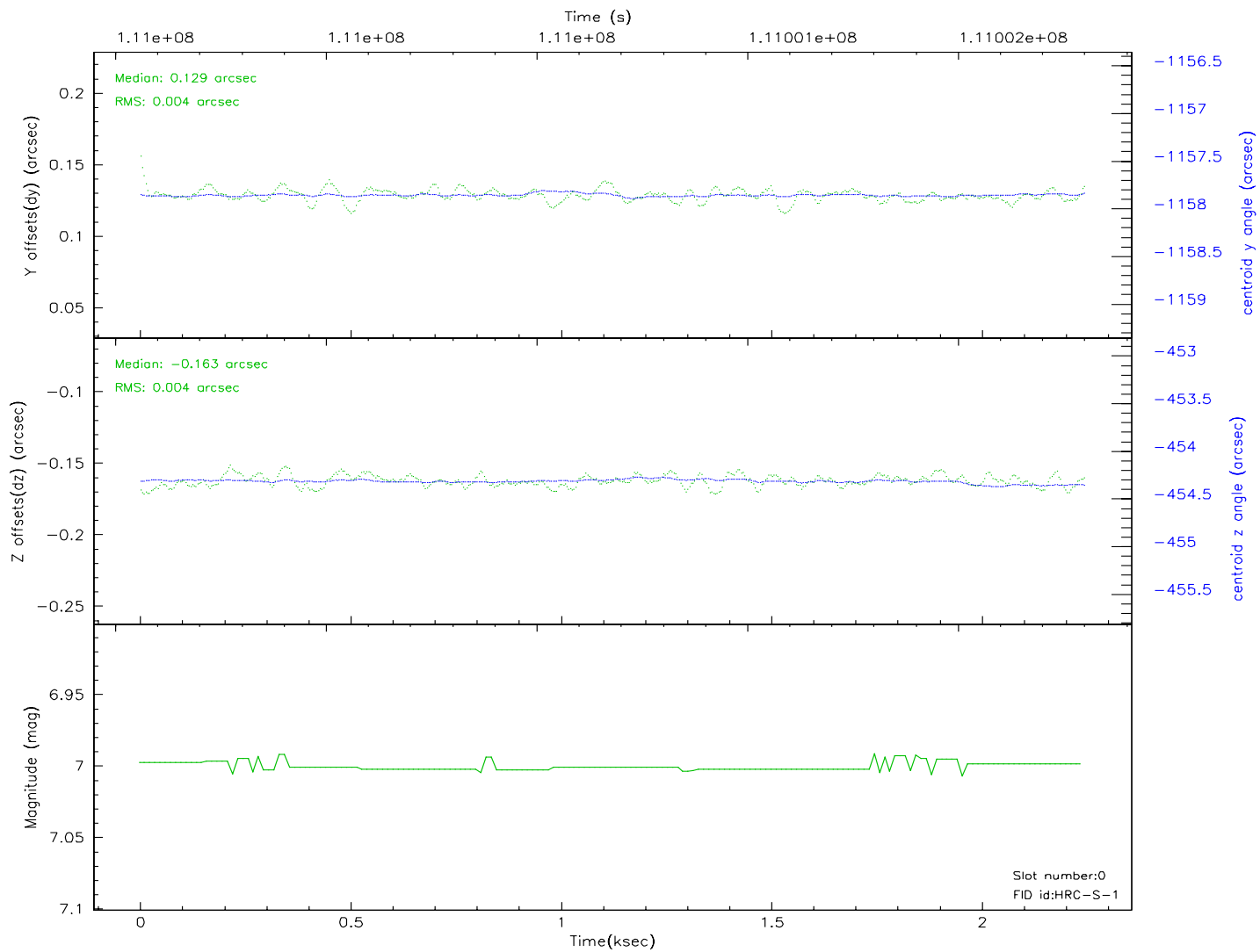
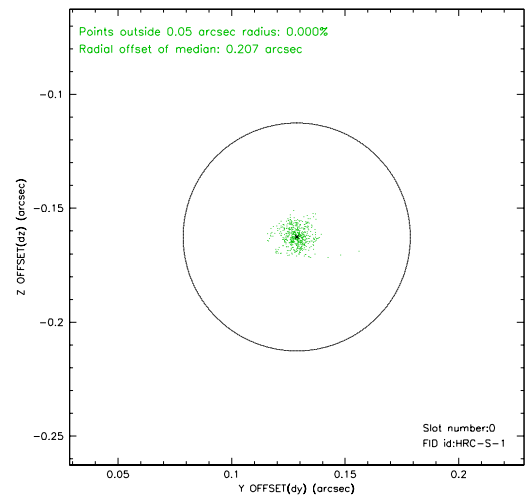
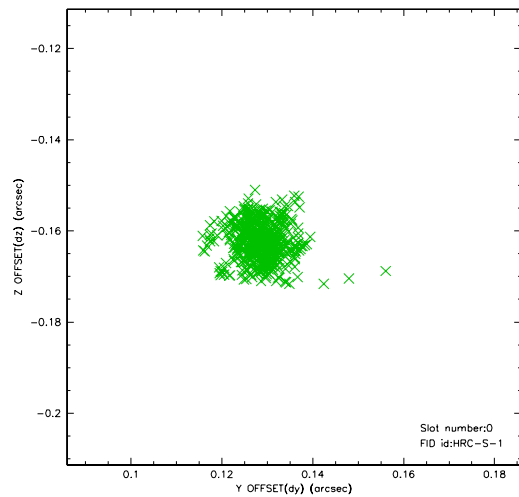


## 2.4.5 Slot 7

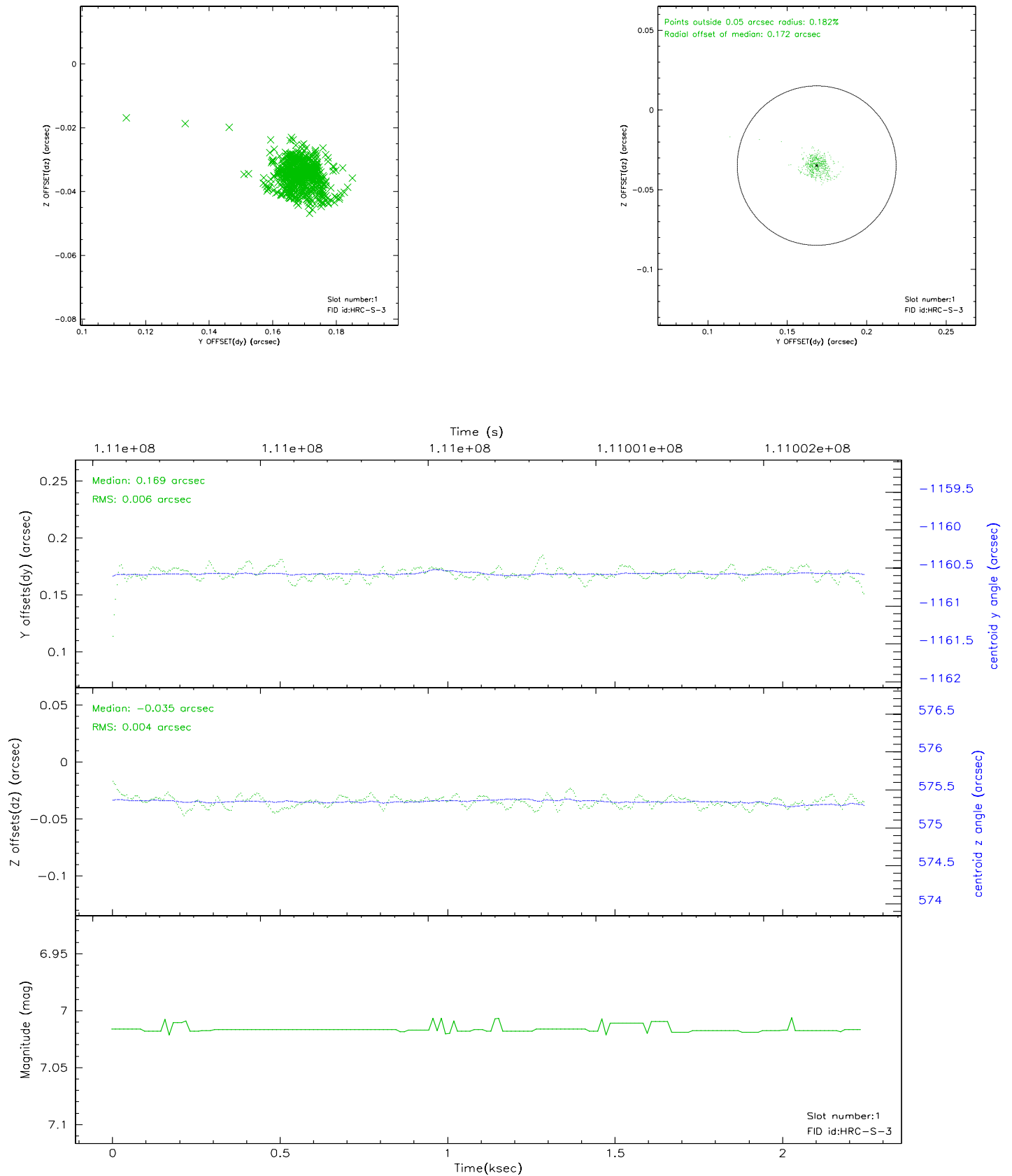


## 2.5 FID Slots

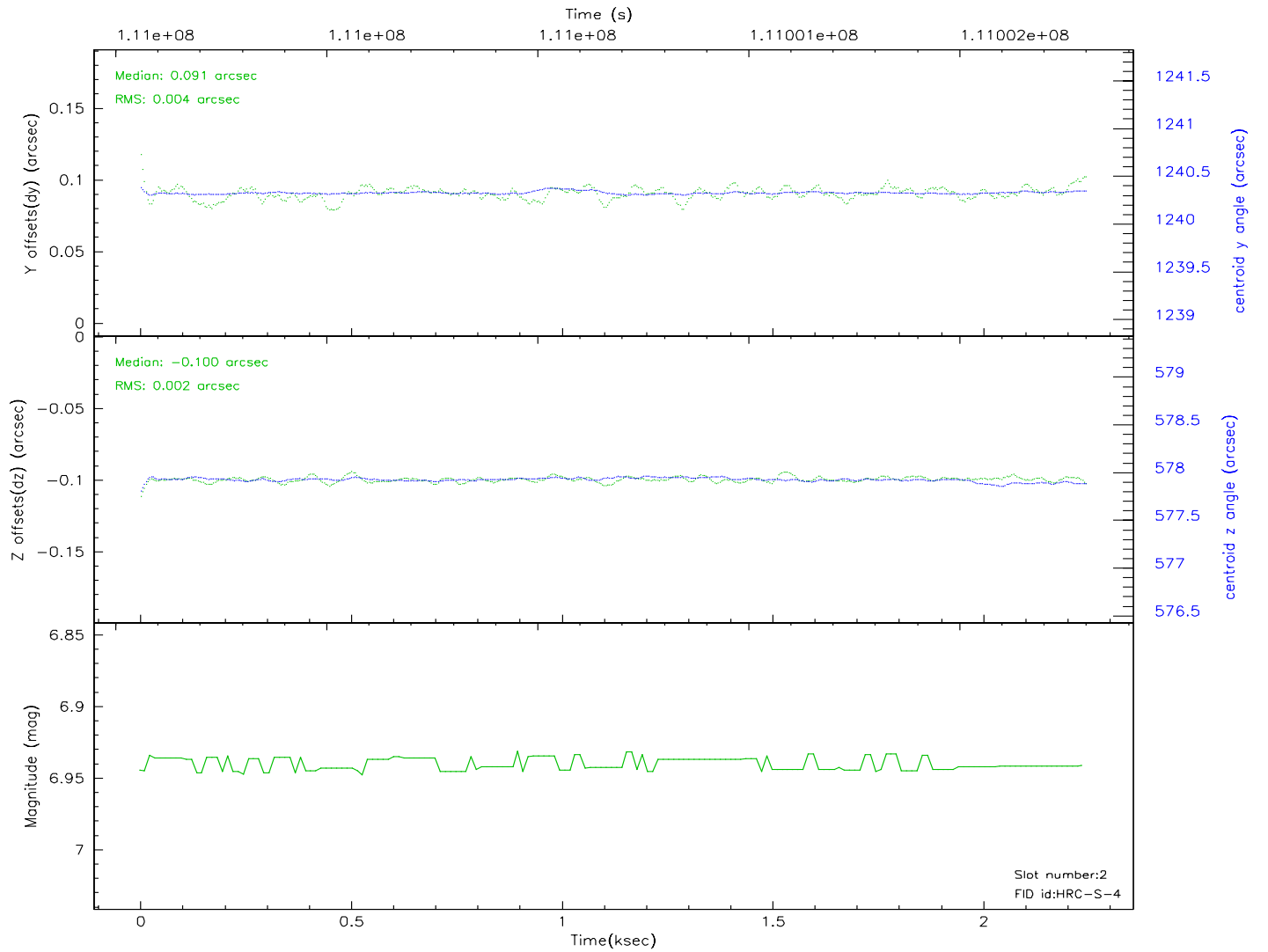
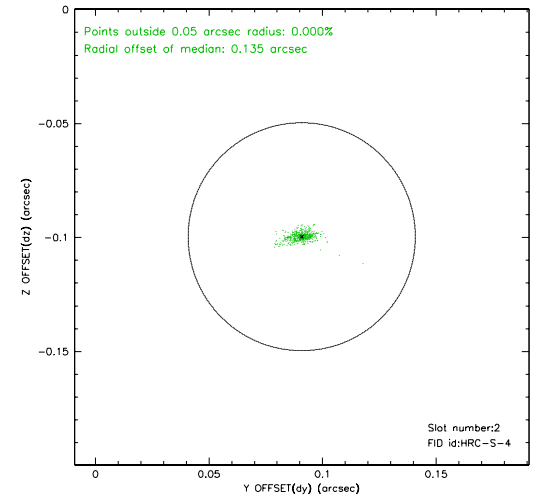
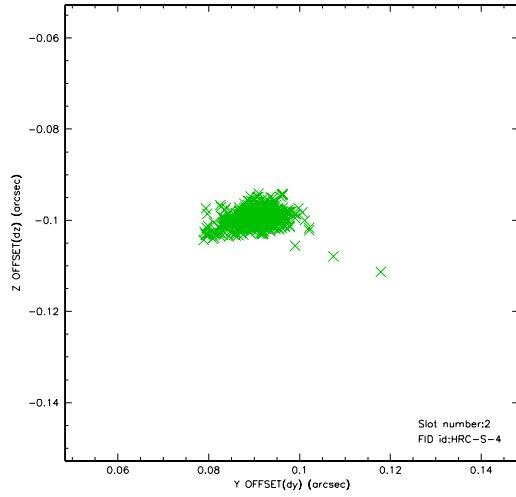
### 2.5.1 Slot 0



## 2.5.2 Slot 1



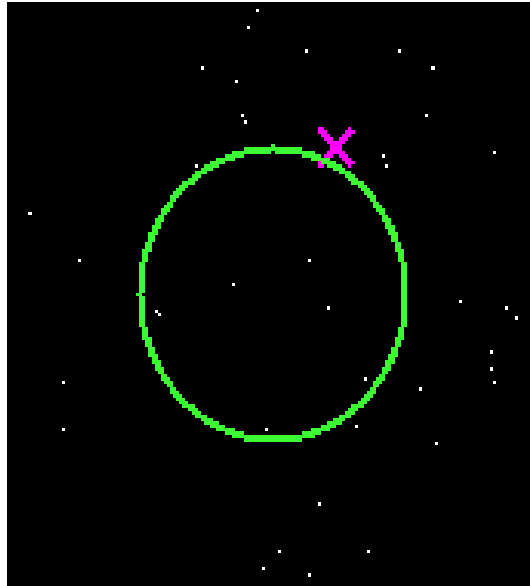
### 2.5.3 Slot 2



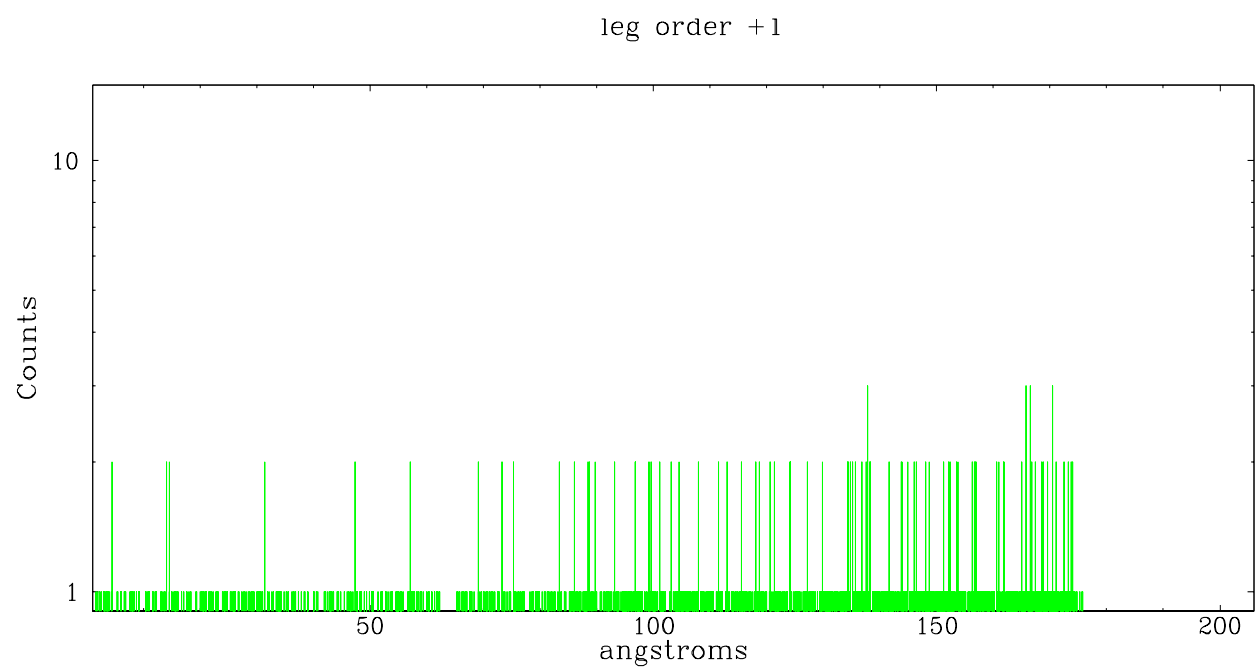
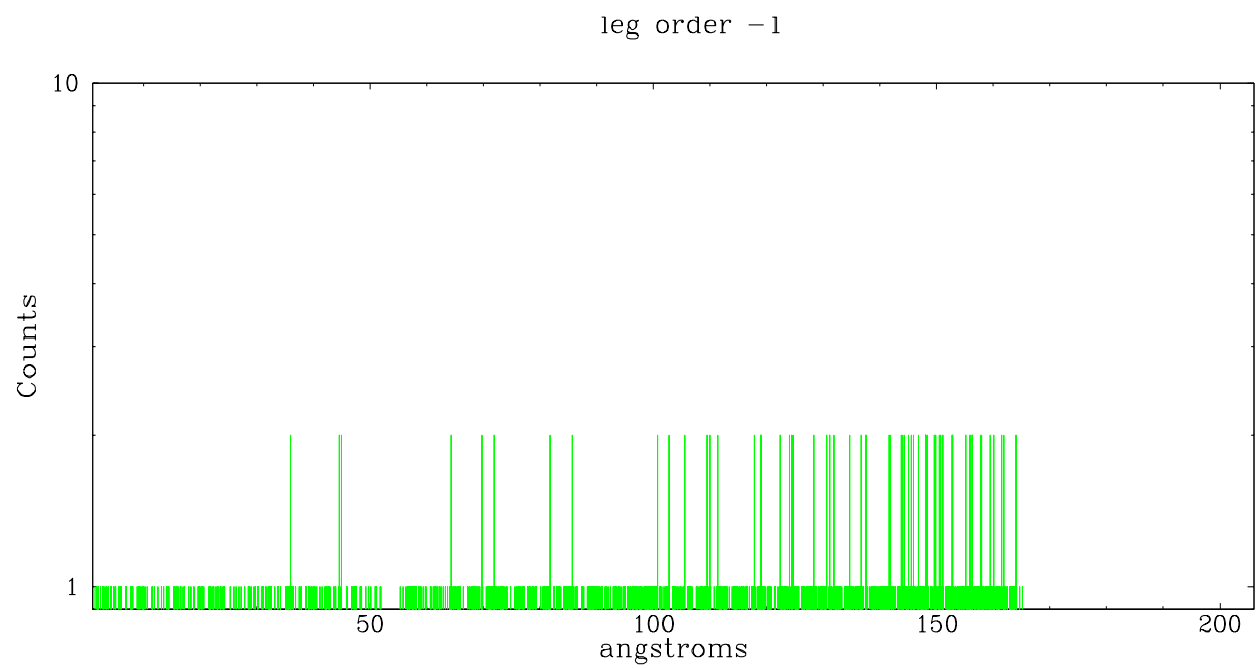


## 3 Gratings

### 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	2.243

## 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.