

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1822 - L2 Version 001  
Chandra X-Ray Center

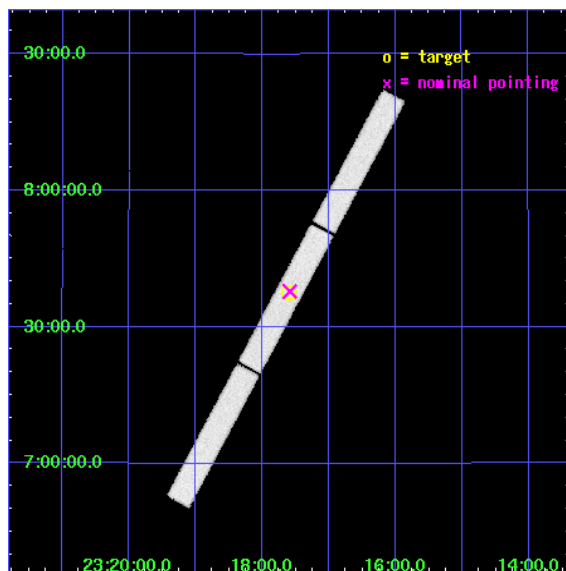
L2 Processing Date : Dec 11 2006

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# 1 Front

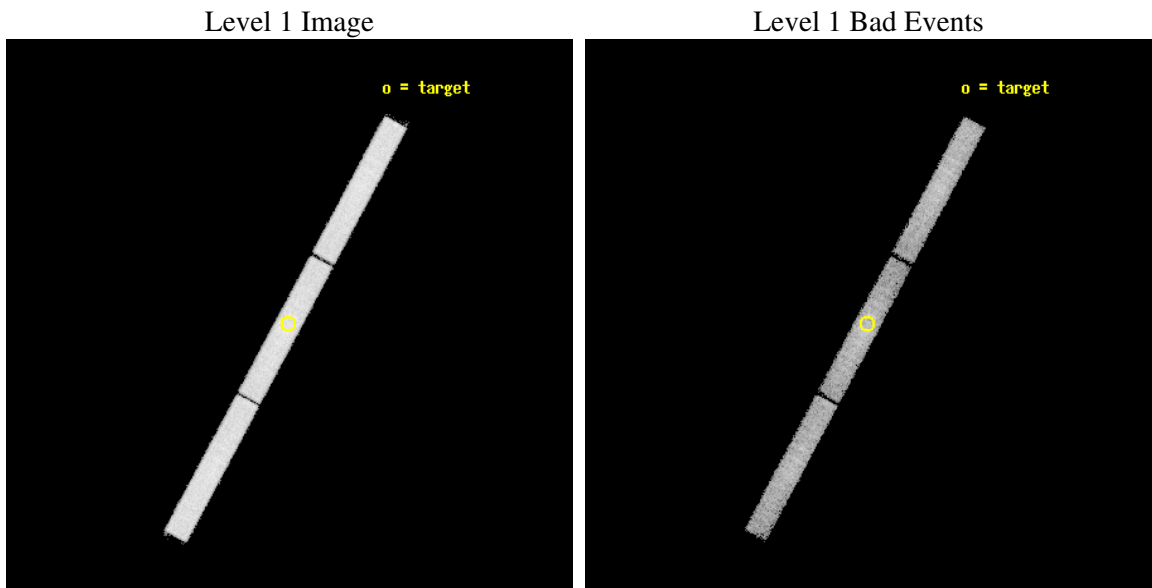
seq_num	100008
obs_id	1822
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2
observer	DR W. THOMAS VESTRAND
object	LINEAR 2001 A2
ra_targ	349.399119
dec_targ	7.626272
ra_nom	349.39676668993
dec_nom	7.6307656663994
roll_nom	118.2712295272
revision	2
ontime	2394.6563436687
livetime	2378.1152670702
l2events	140759



## 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	2006-12-11T21:22:18
revision	2

sched_exp_time	2250.000000
ontime	2438.4750953764
l1events	243999

### 2.1.3 Events

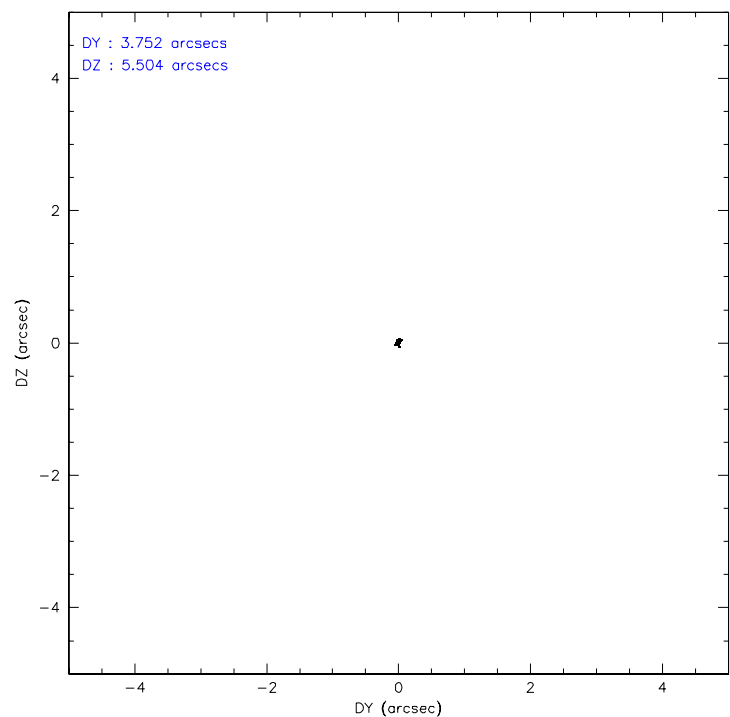
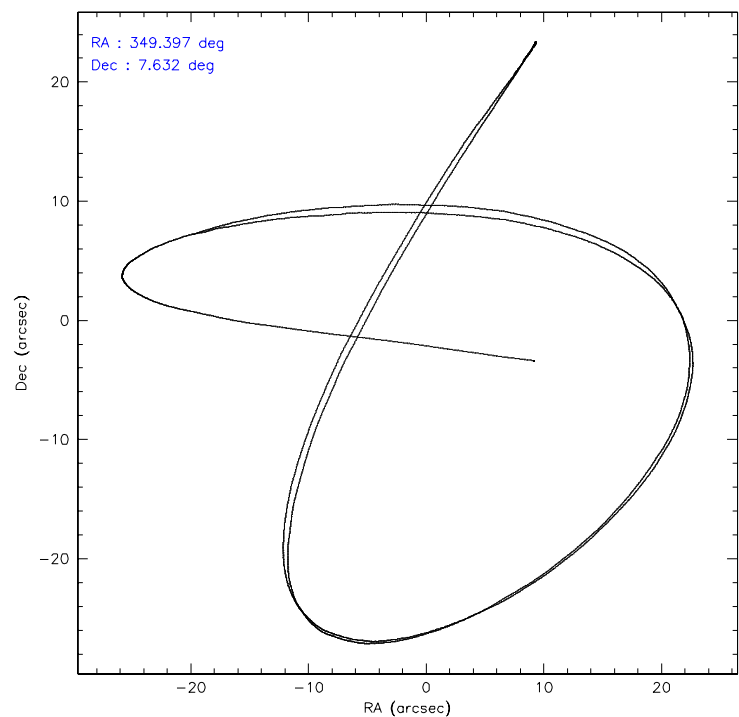
Level 1 Events

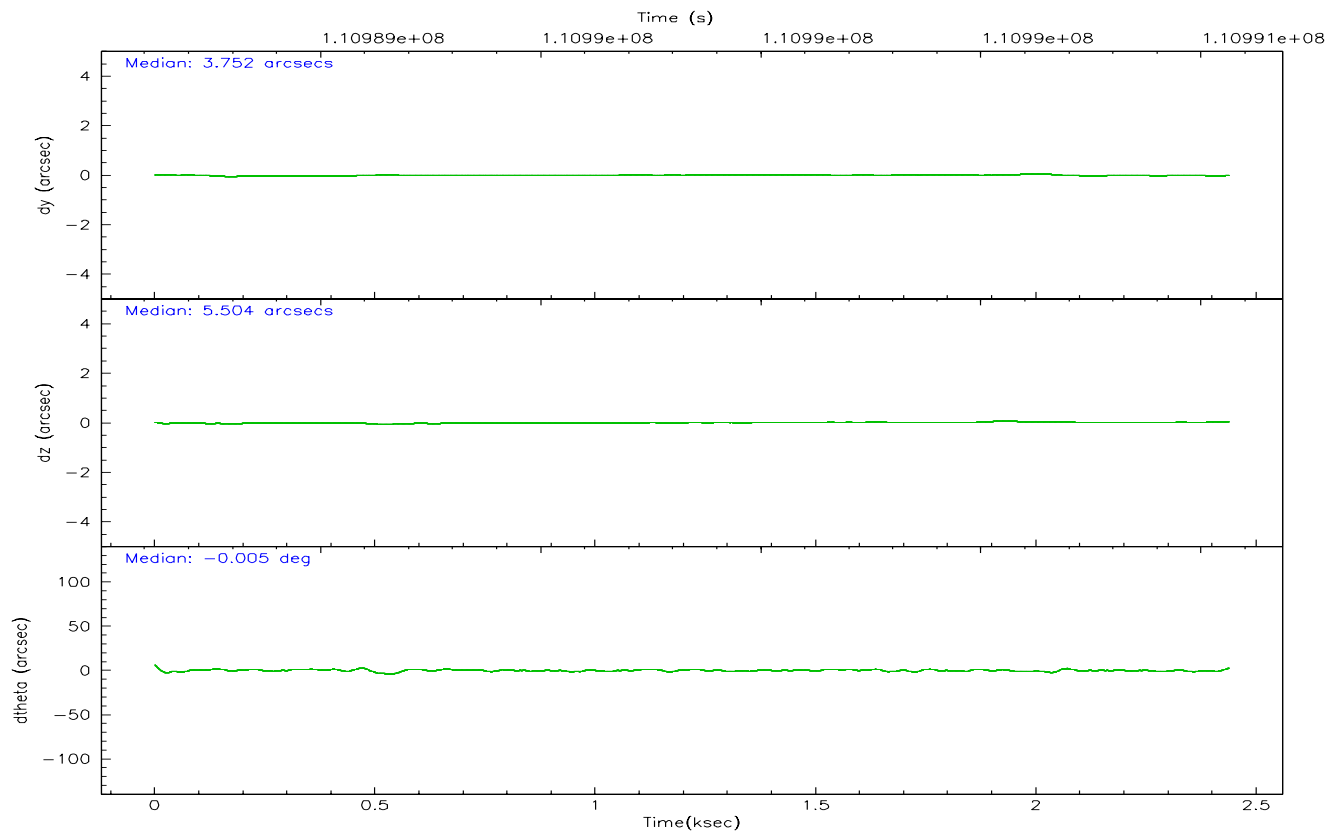
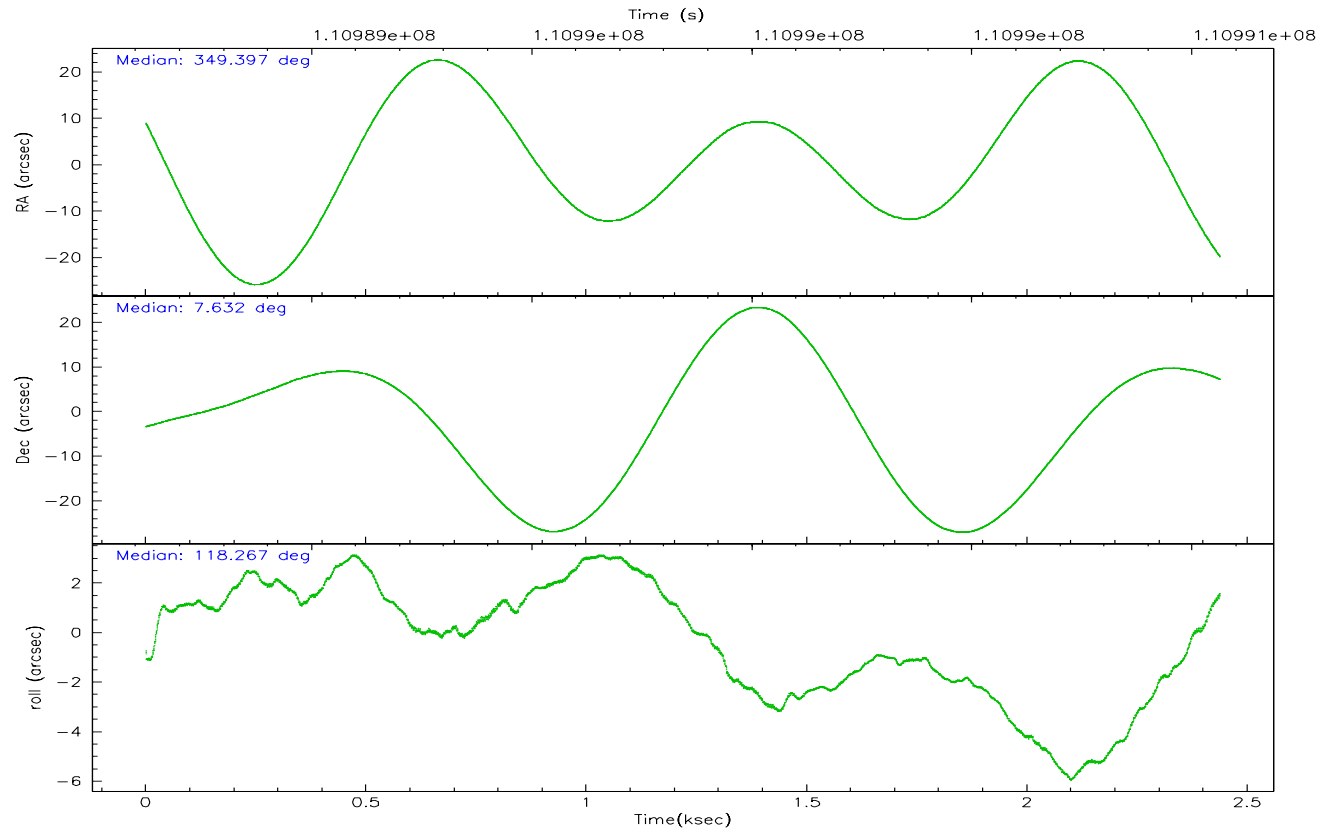
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	82011	79754	82234
rejected events	27078	27397	30398
rejected %	33%	34%	36%

## 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	349.422269	349.3967666899288			
Pointing Dec	7.616640	7.630765666399434			
Pointing Roll	118.200512	118.2712295272032			
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	110988814.184000	110988437.8823			
Observation start date	2001-07-08T14:12:30	2001-07-08T14:07:17			
Observation end time	110991064.184000	110991198.2074			
Observation end date	2001-07-08T14:50:00	2001-07-08T14:53:18			

## 2.3 Aspect





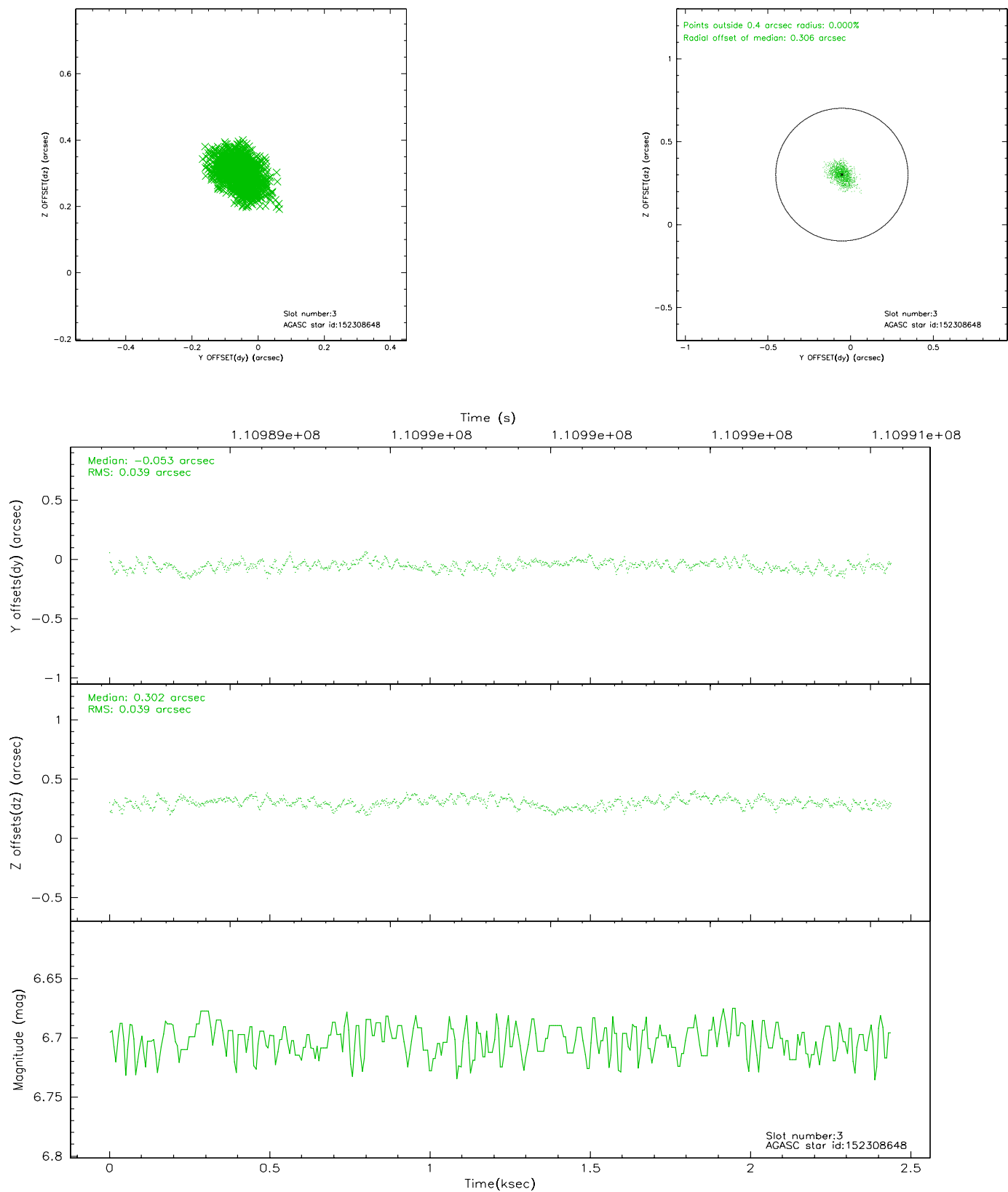
### Slot Statistics

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	595	0.136	-0.165	0.007	0.011	0.000000	0.000000	-1157.80	-454.09
1	FID	HRC-S-3	7.02	594	0.159	-0.029	0.007	0.013	0.000000	0.000000	-1162.47	574.82
2	FID	HRC-S-4	6.95	595	0.092	-0.103	0.004	0.010	0.000000	0.000000	1238.44	579.09
3	GUIDE	152308648	6.70	1191	-0.053	0.302	0.060	0.094	349.950276	7.982087	269.43	-2281.22
4	GUIDE	76420240	7.26	1191	0.263	0.024	0.060	0.092	349.834746	7.214951	-1971.10	-617.76
5	GUIDE	152181256	7.77	1191	-0.134	-0.201	0.058	0.089	349.141958	7.580367	354.46	942.06
6	GUIDE	152180776	8.41	1191	0.112	0.022	0.066	0.125	349.576658	7.835091	431.85	-856.53
7	GUIDE	152180360	8.60	1189	-0.194	-0.152	0.062	0.102	349.110181	8.037159	1858.81	263.74

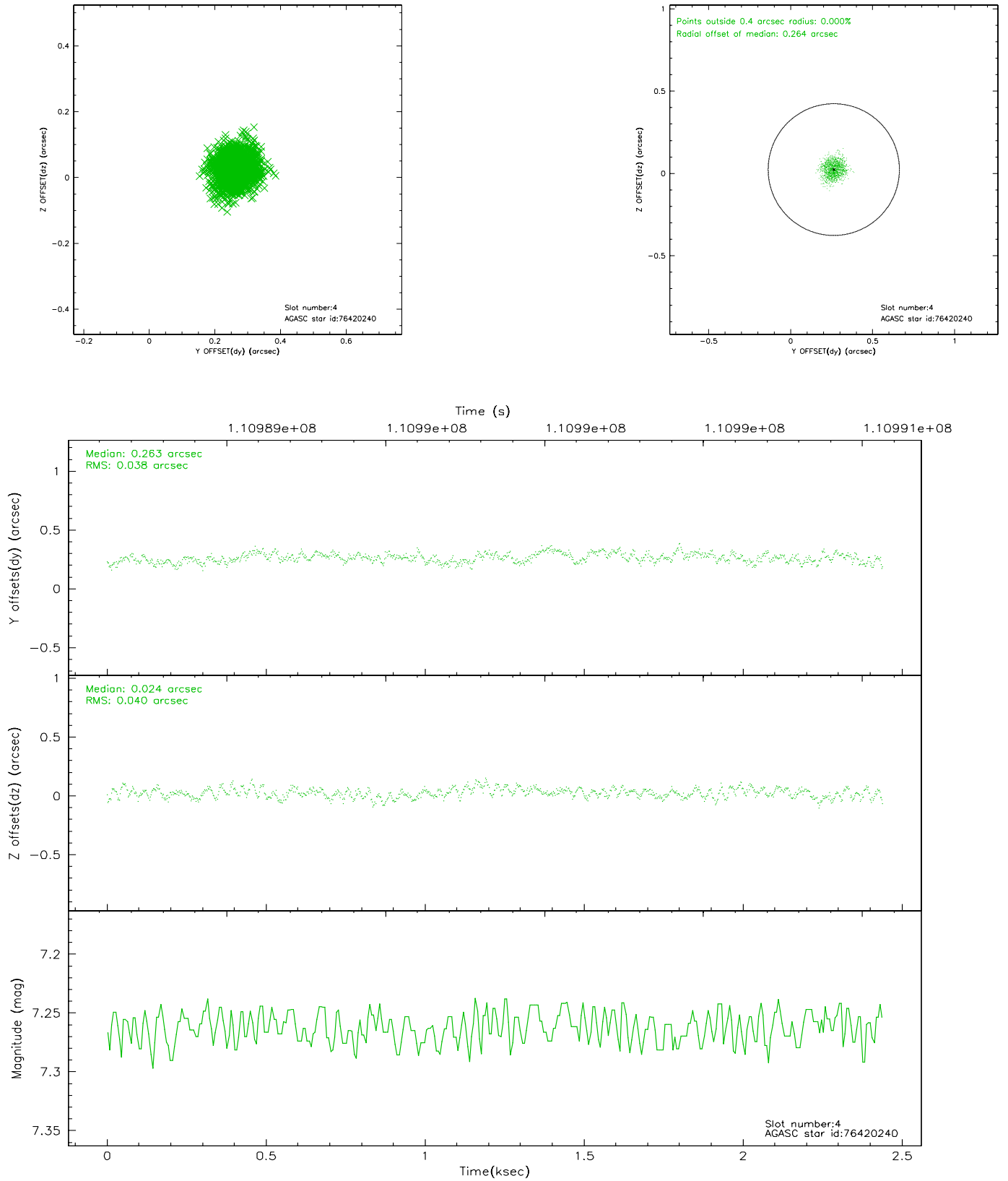


## 2.4 Star Slots

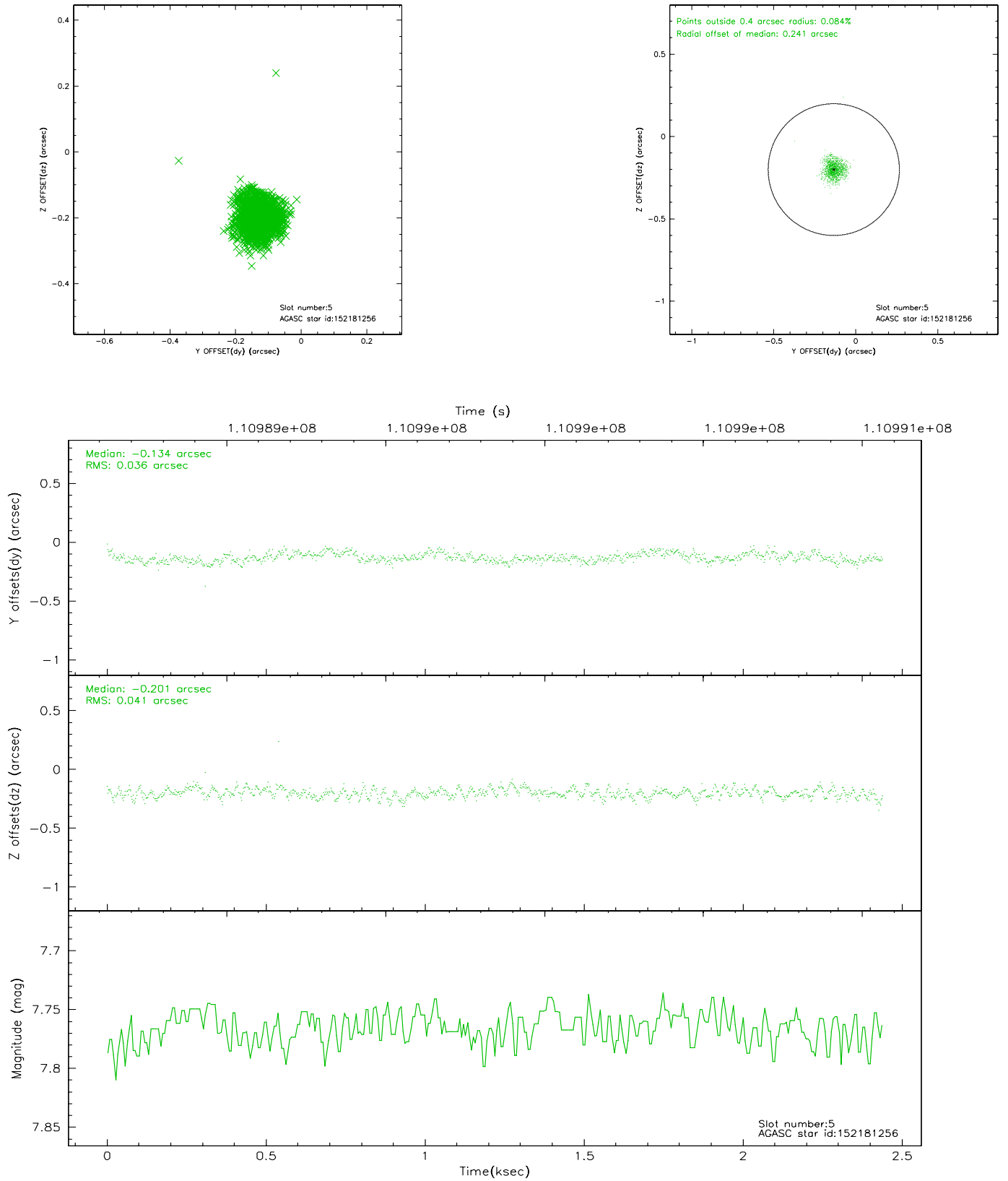
### 2.4.1 Slot 3



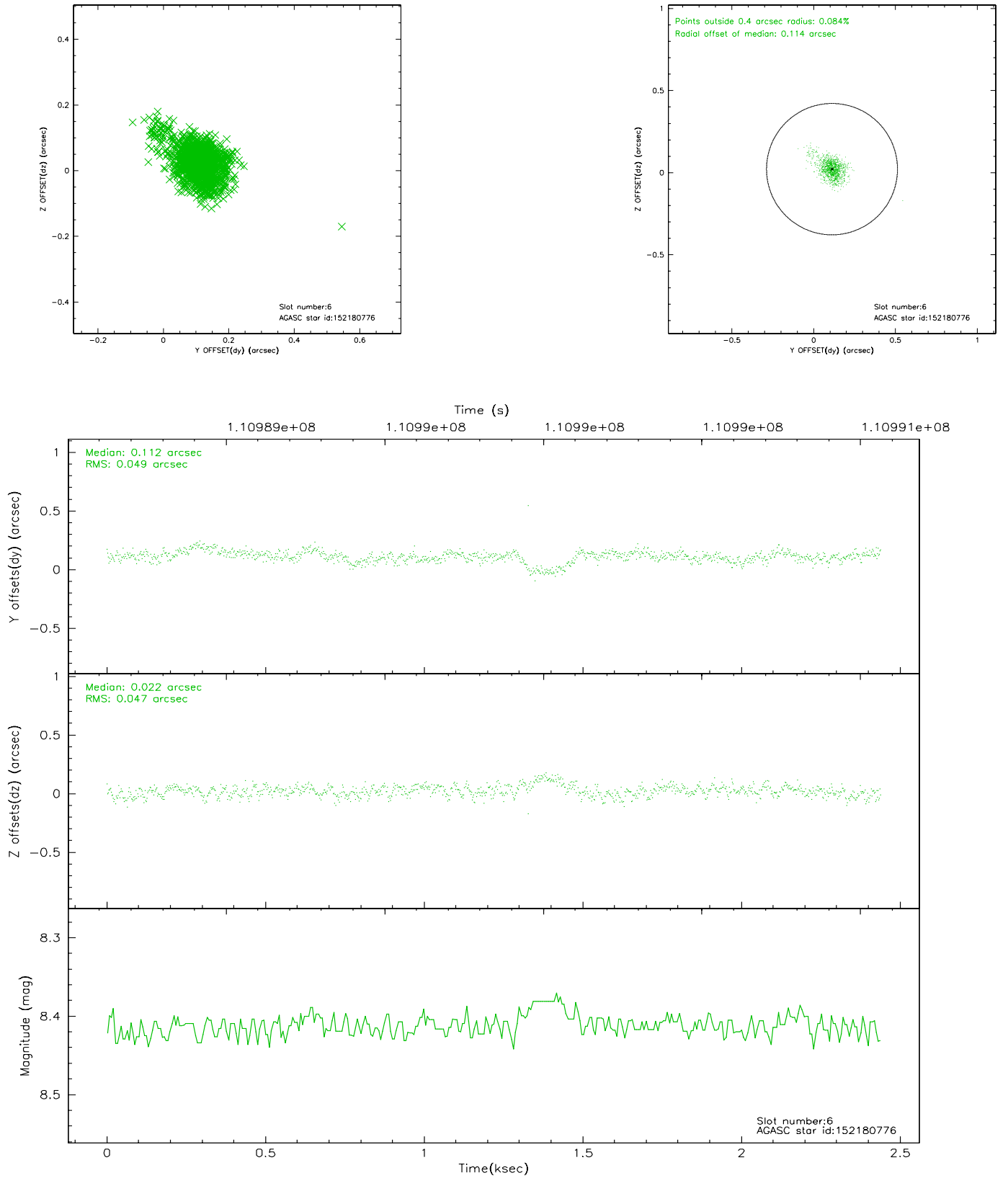
## 2.4.2 Slot 4



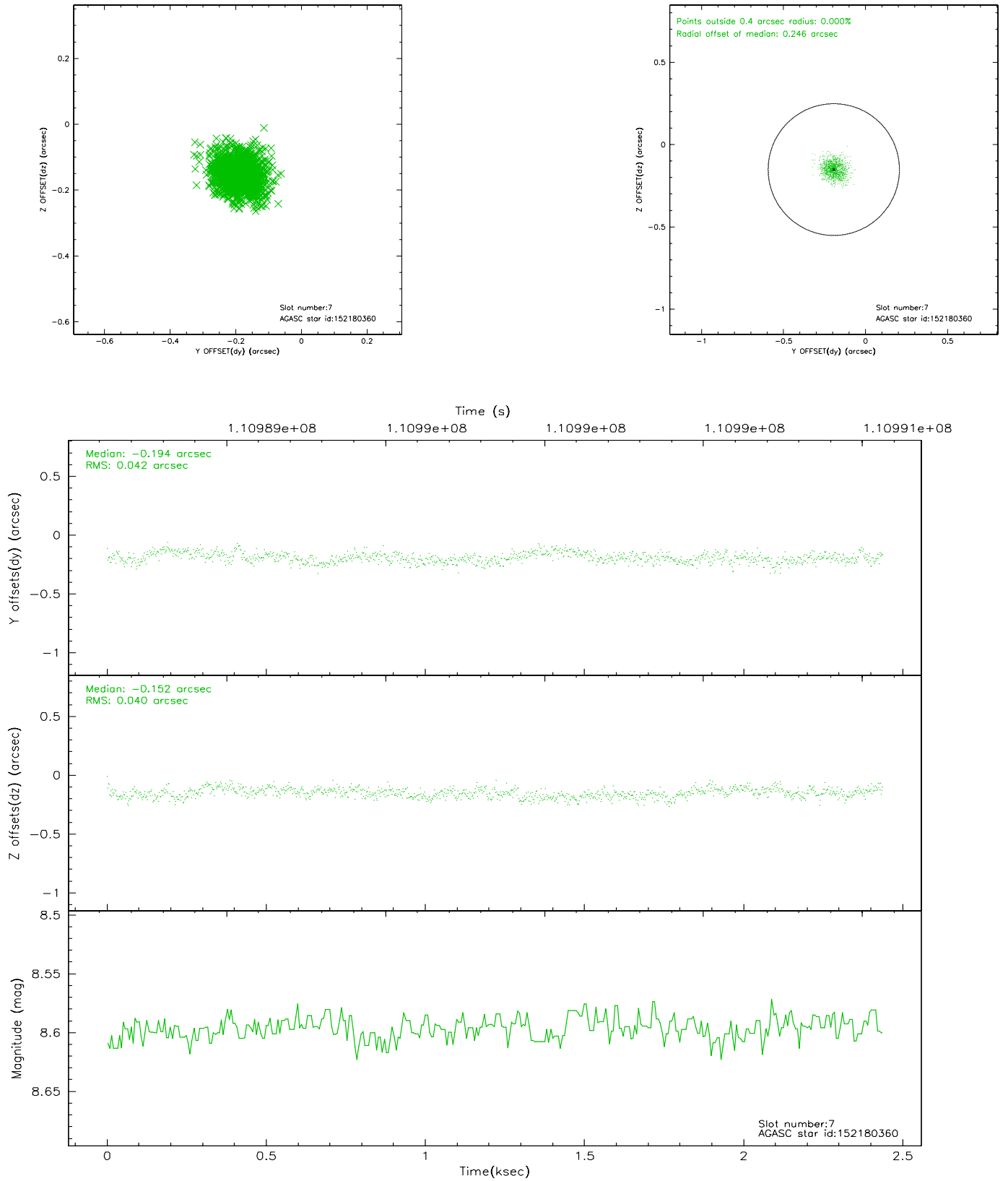
### 2.4.3 Slot 5



## 2.4.4 Slot 6

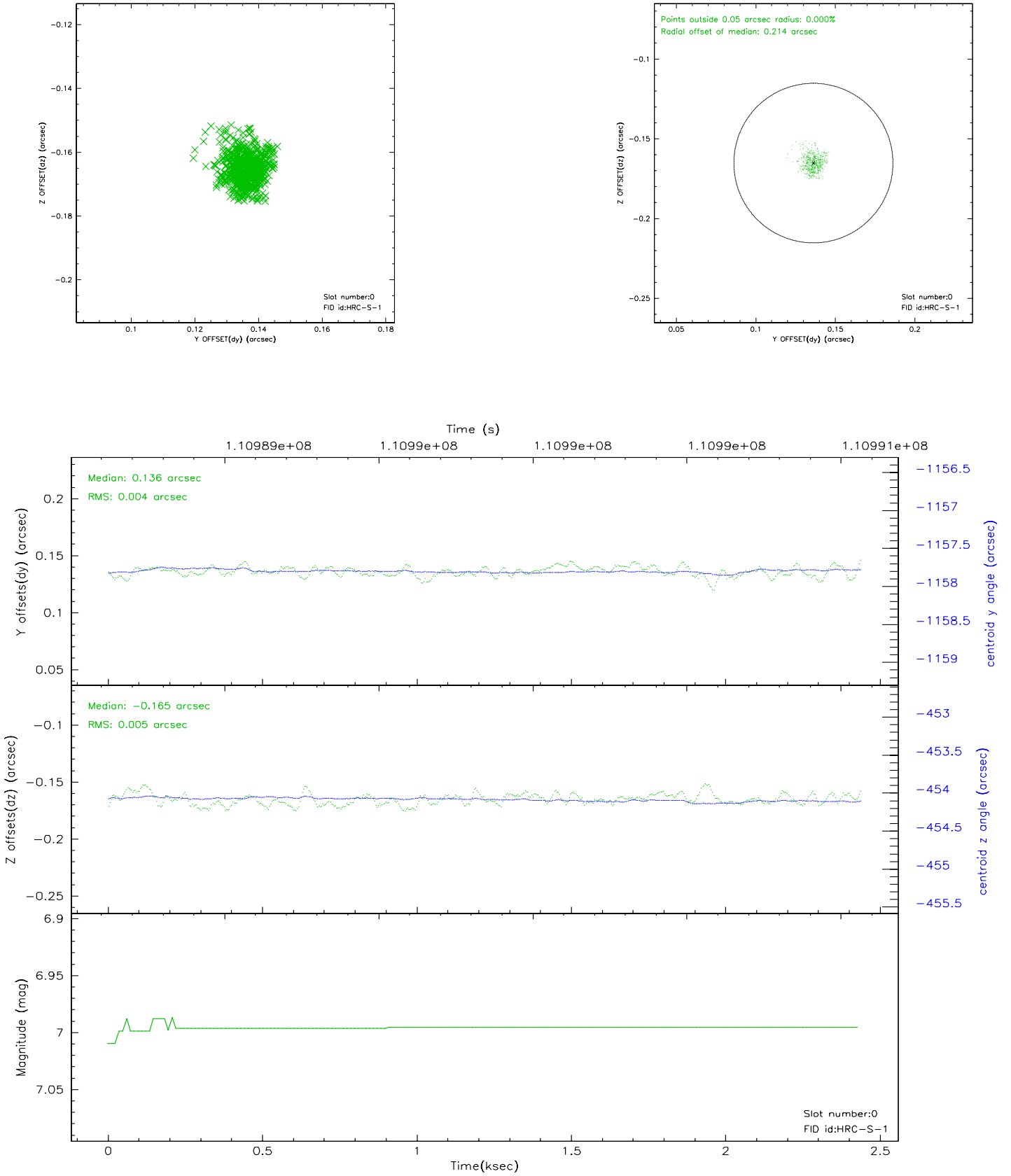


## 2.4.5 Slot 7

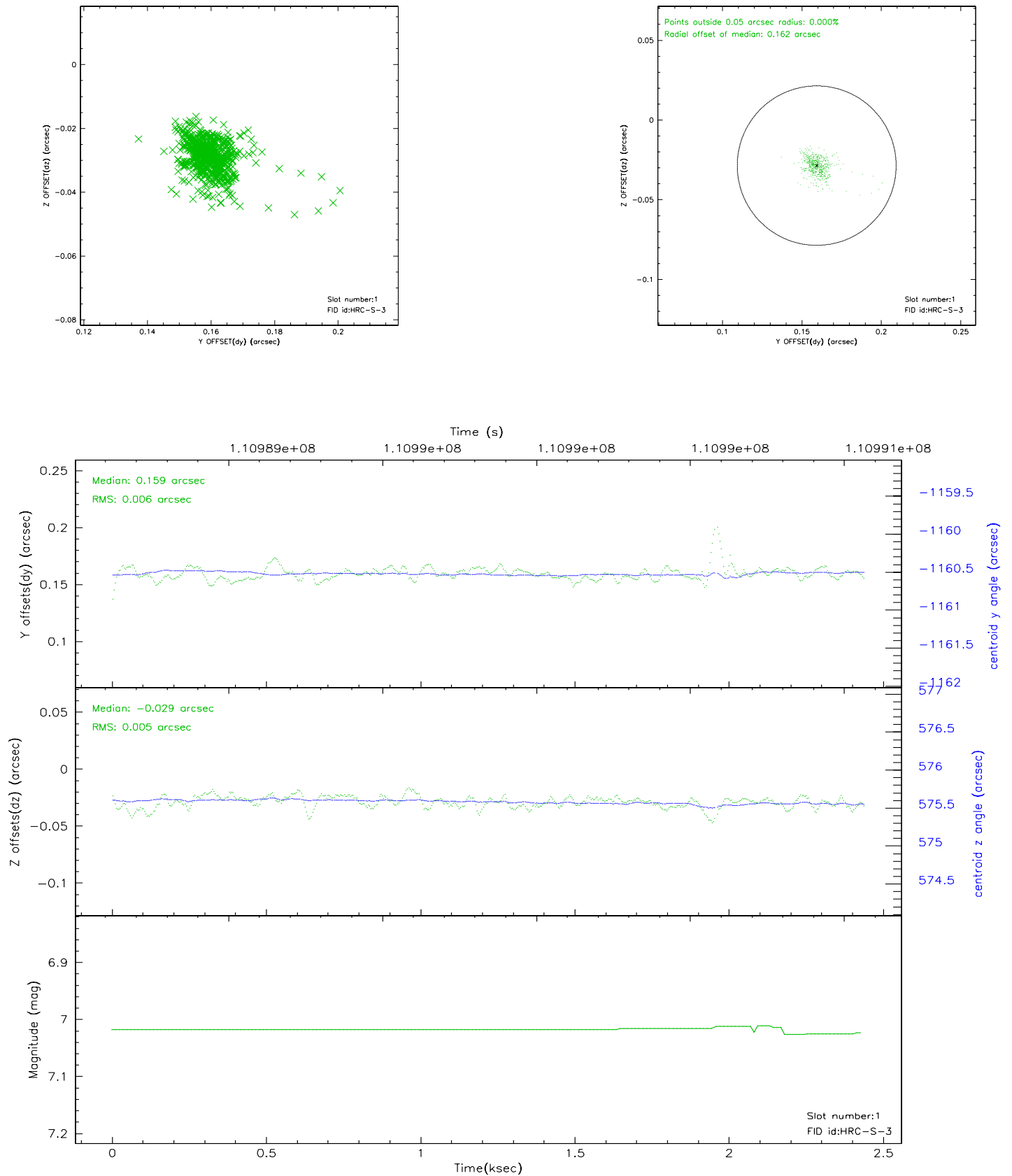


## 2.5 FID Slots

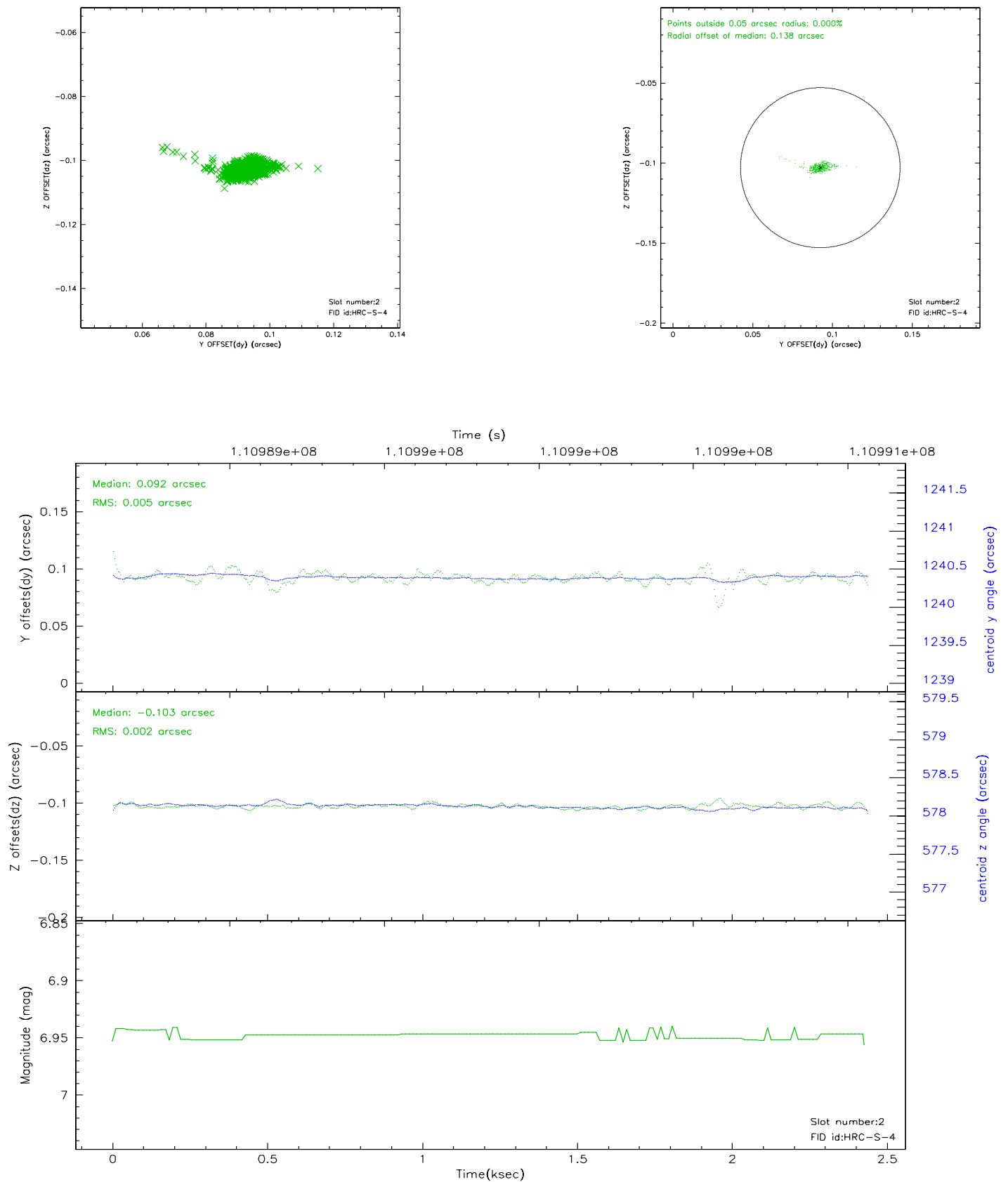
### 2.5.1 Slot 0



## 2.5.2 Slot 1



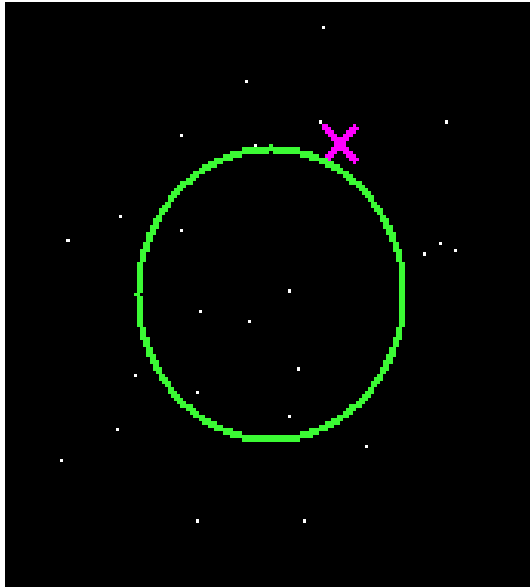
### 2.5.3 Slot 2



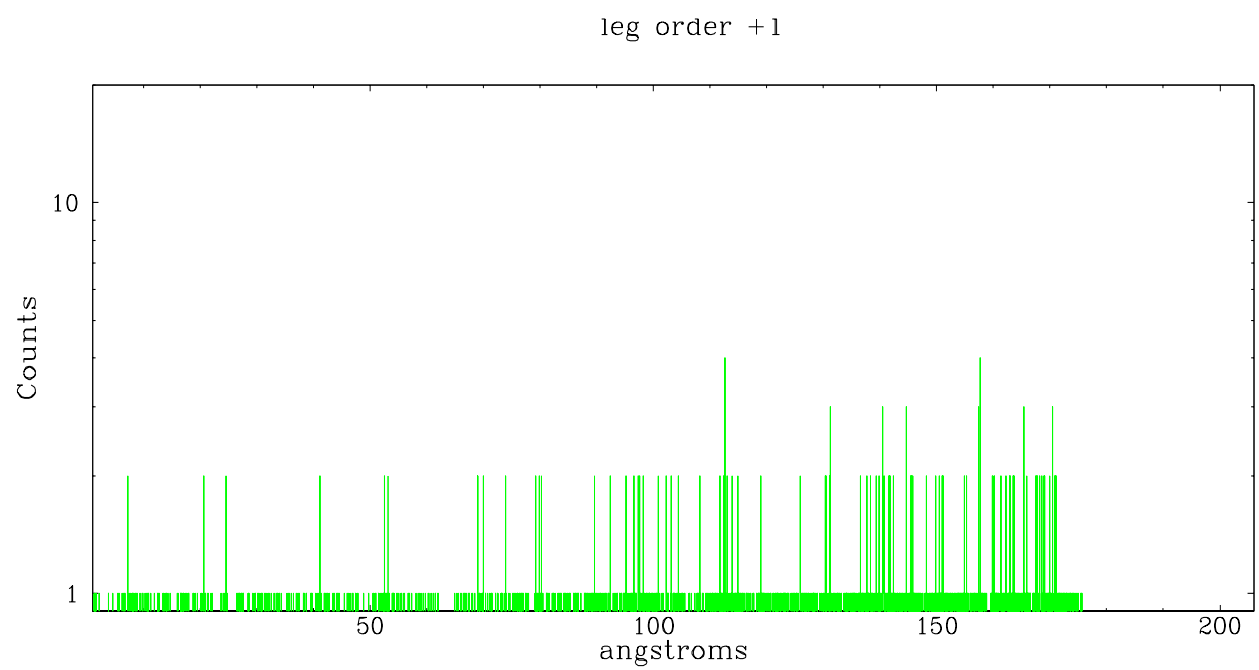
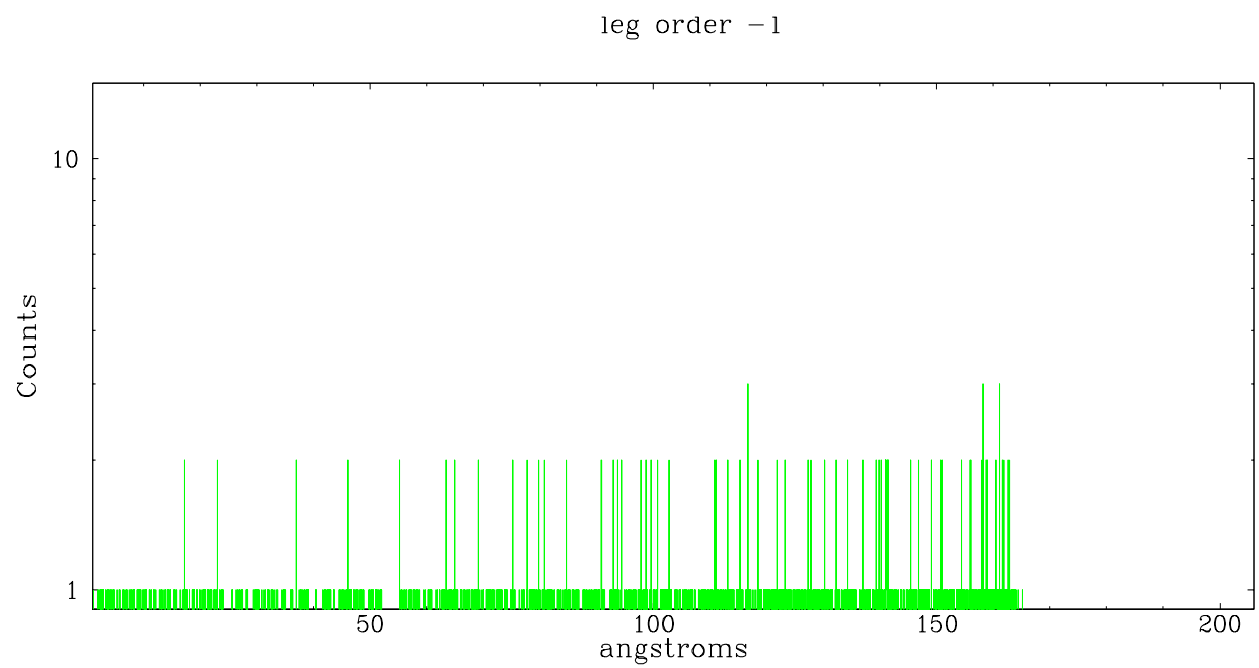


## 3 Gratings

### 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	2.43

## A.2 Comments

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.

Monitor constraint met.