

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2474 - L2 Version 001  
Chandra X-Ray Center

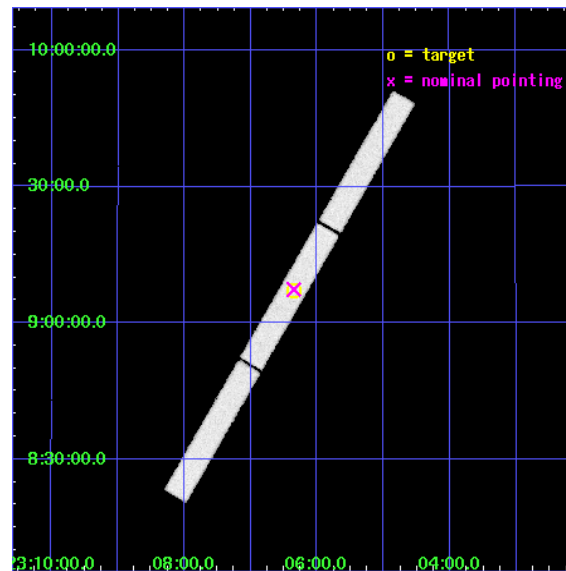
L2 Processing Date : Dec 11 2006

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# 1 Front

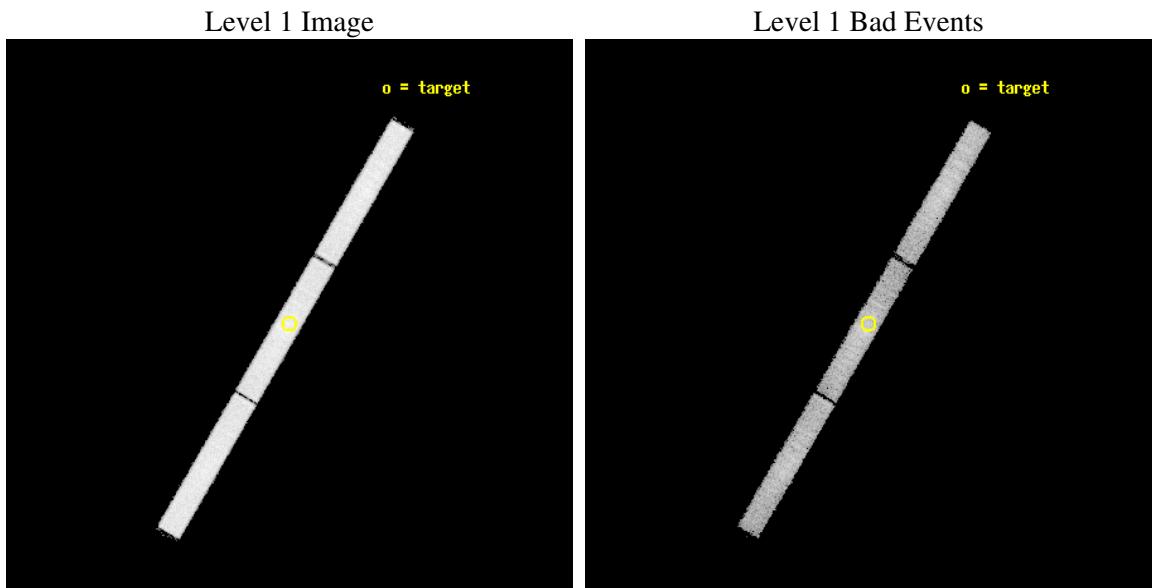
seq_num	100008
obs_id	2474
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2
observer	DR W. THOMAS VESTRAND
object	LINEAR 2001 A2
ra_targ	346.58967
dec_targ	9.11993
ra_nom	346.58753870842
dec_nom	9.1237409825458
roll_nom	120.1429251428
revision	2
ontime	2393.6313436329
livetime	2377.1560327695
l2events	140499



## 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	2006-12-12T00:09:21
revision	2

sched_exp_time	2250.000000
ontime	2443.8563455939
l1events	246129

### 2.1.3 Events

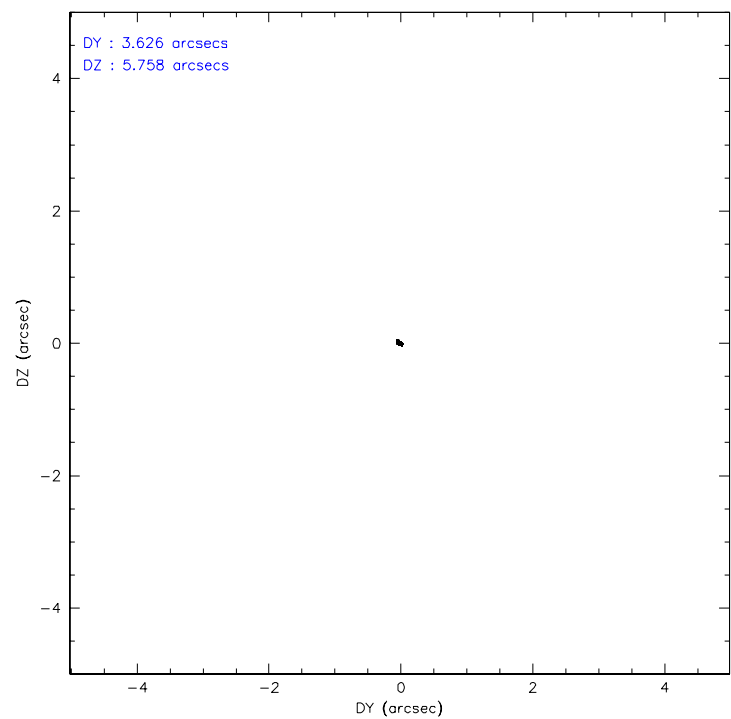
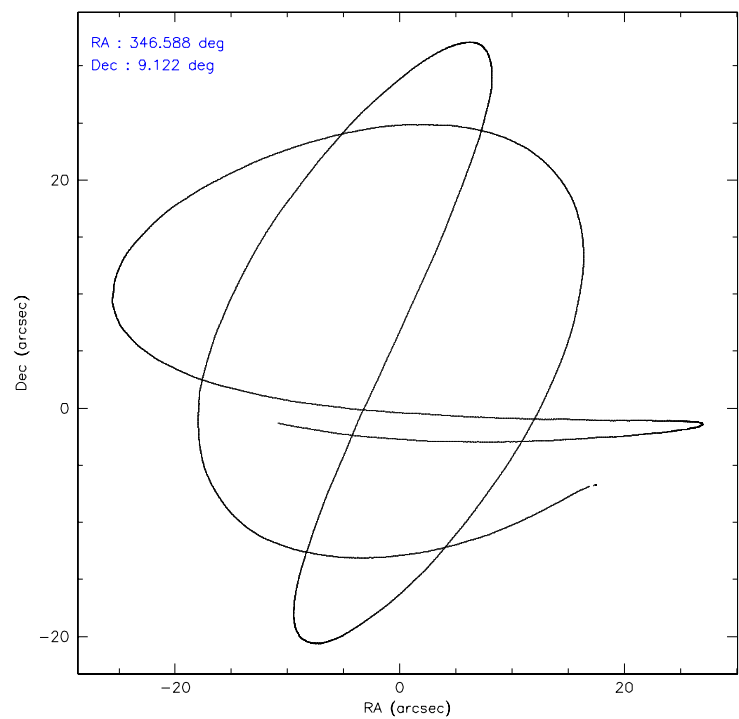
Level 1 Events

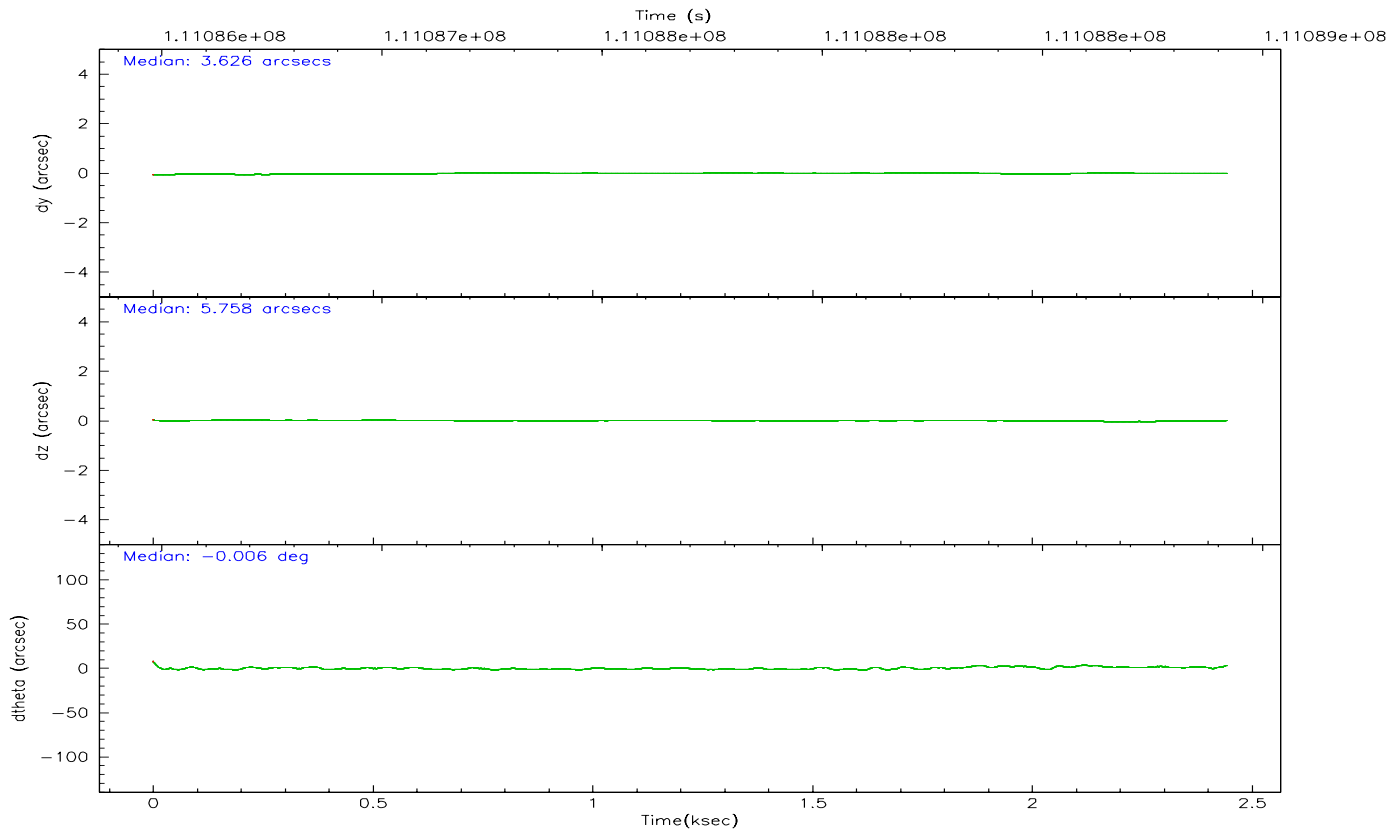
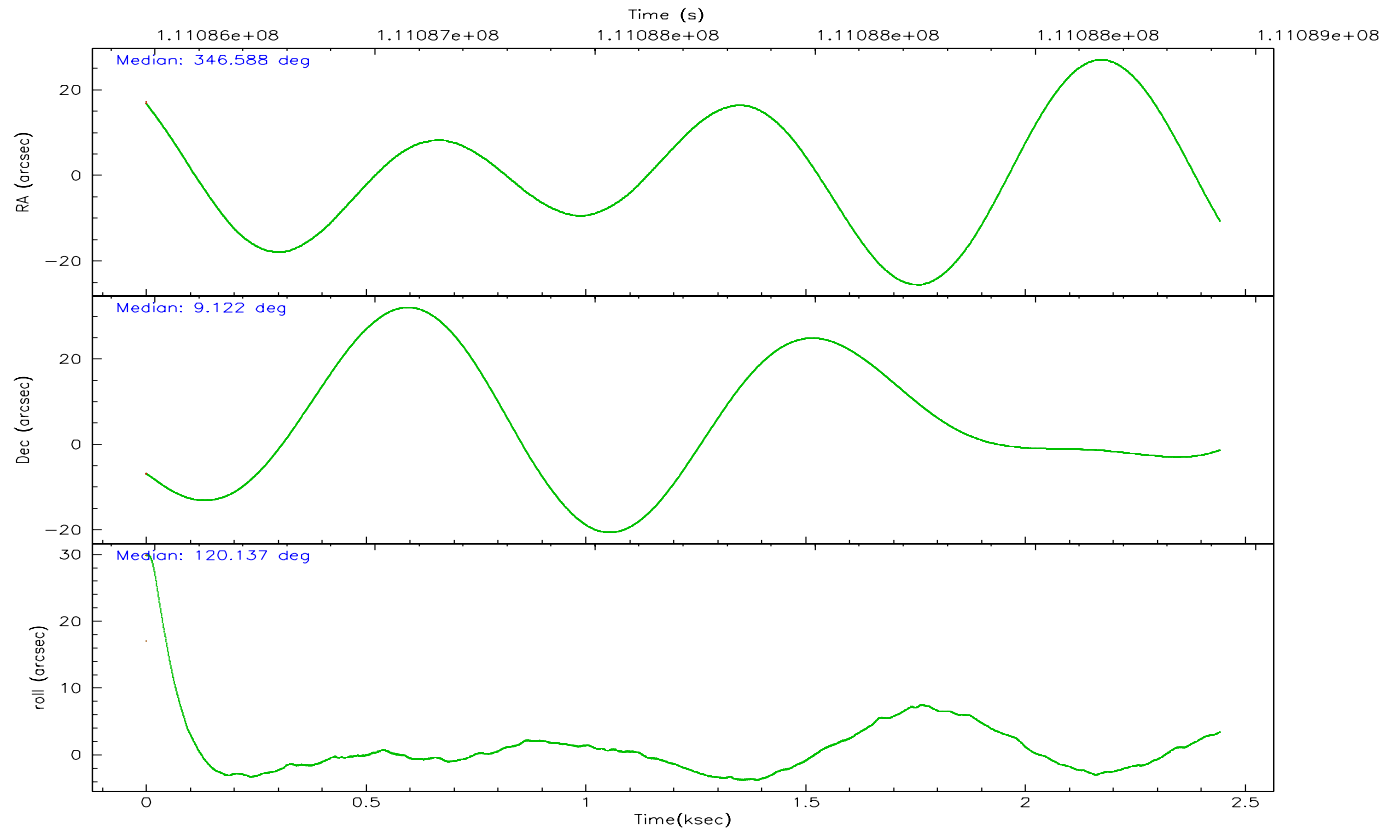
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	82314	80633	83182
rejected events	27618	28140	31510
rejected %	33%	34%	37%

## 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	346.613212	346.5875387084194			
Pointing Dec	9.111054	9.12374098254576			
Pointing Roll	120.071334	120.1429251428025			
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	111086674.184000	111086297.71112			
Observation start date	2001-07-09T17:23:30	2001-07-09T17:18:17			
Observation end time	111088924.184000	111089091.34873			
Observation end date	2001-07-09T18:01:00	2001-07-09T18:04:51			

2.3 Aspect





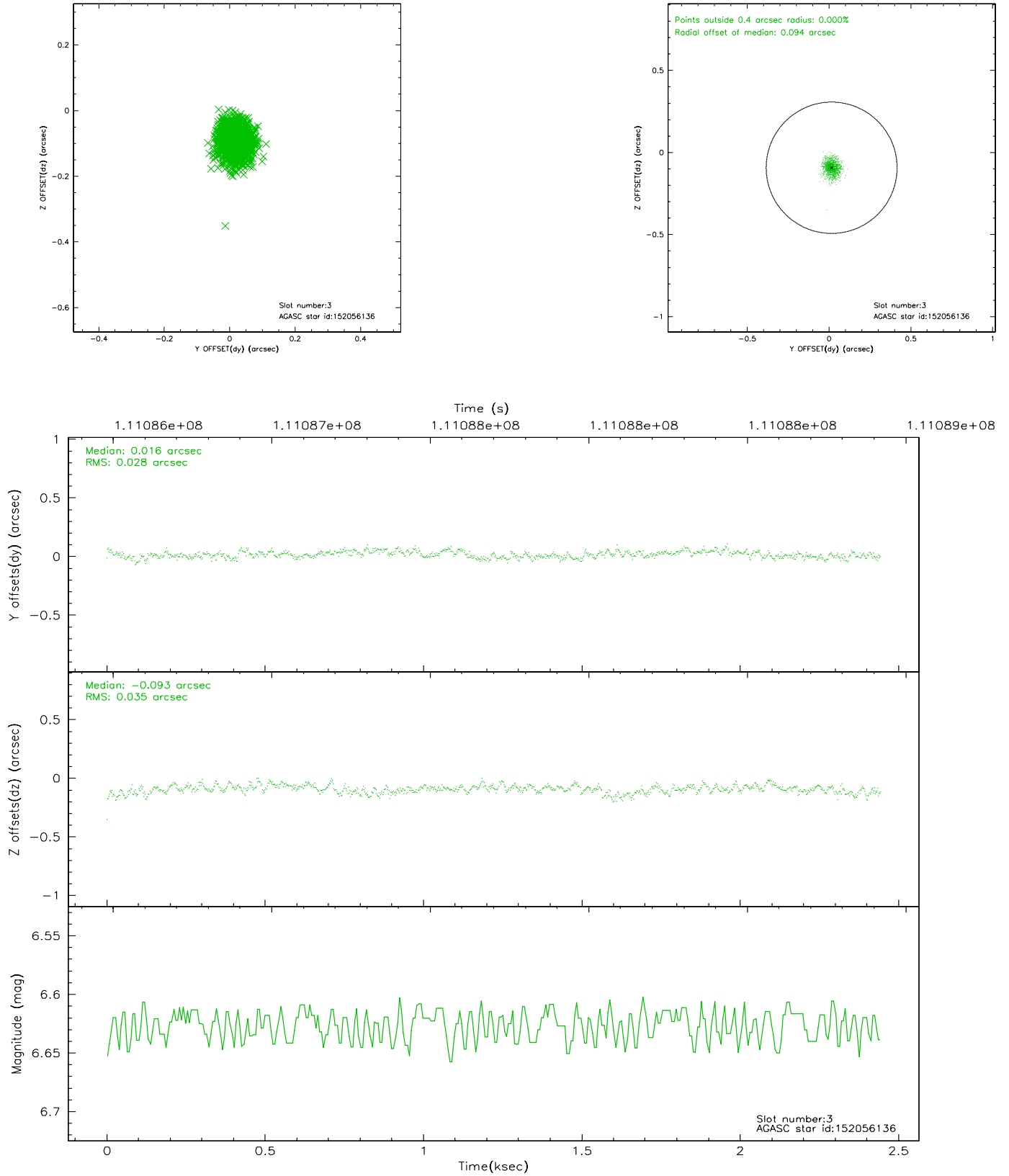
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	597	0.124	-0.149	0.006	0.010	0.000000	0.000000	-1157.67	-454.35
1	FID	HRC-S-3	7.00	597	0.169	-0.050	0.008	0.012	0.000000	0.000000	-1162.32	574.52
2	FID	HRC-S-4	6.92	597	0.095	-0.098	0.005	0.008	0.000000	0.000000	1238.58	578.85
3	GUIDE	152056136	6.62	1193	0.016	-0.093	0.046	0.075	346.466795	8.896005	-406.24	839.03
4	GUIDE	152046048	8.80	1193	-0.227	-0.029	0.062	0.102	346.265854	9.604114	2156.62	178.73
5	GUIDE	152056984	8.45	1193	0.228	0.253	0.070	0.112	347.141022	9.108410	-942.25	-1618.64
6	GUIDE	152048440	8.52	1193	0.064	-0.073	0.071	0.117	346.200519	9.070077	610.12	1342.34
7	GUIDE	152050776	9.14	1191	-0.083	-0.059	0.075	0.122	346.189473	9.345260	1487.81	881.48

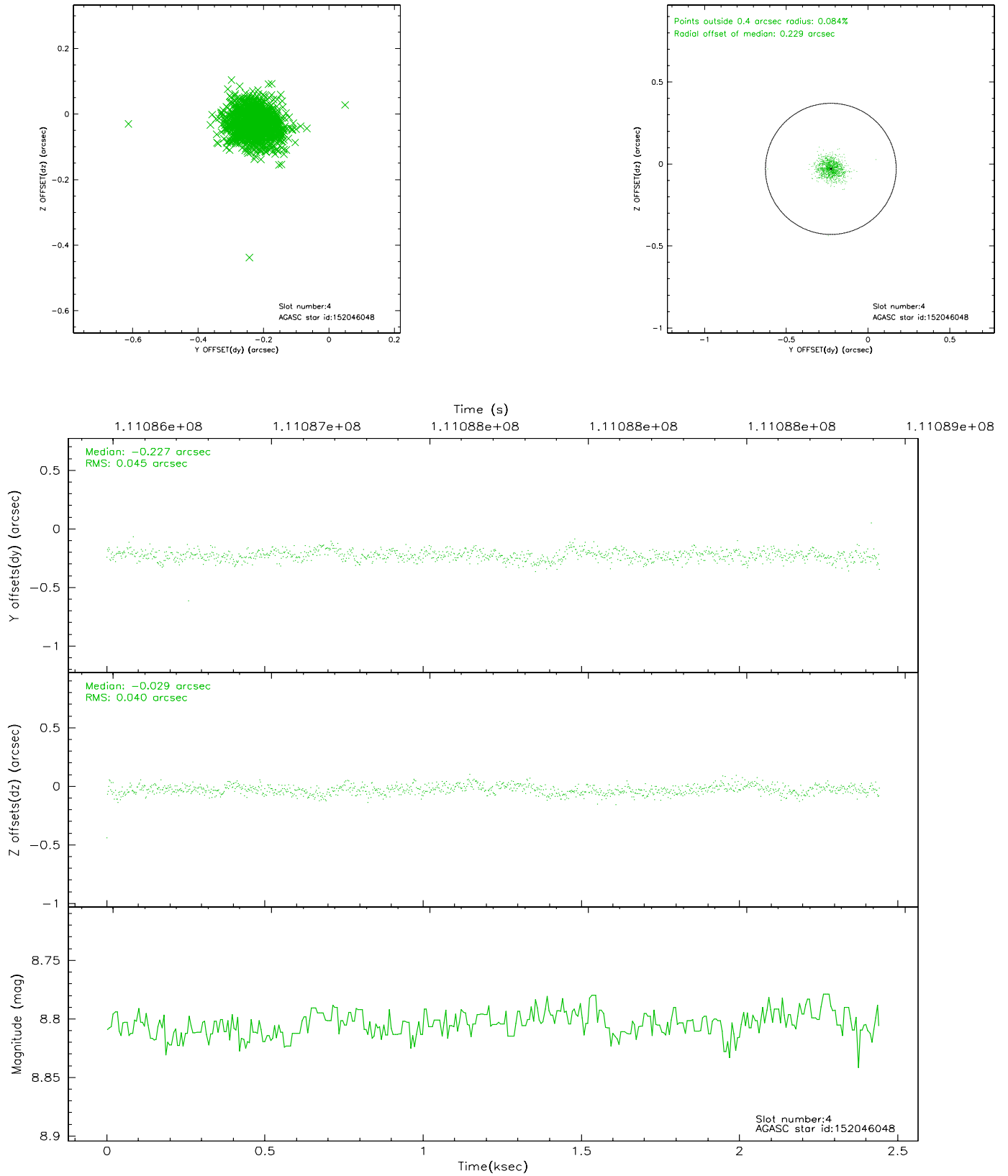


## 2.4 Star Slots

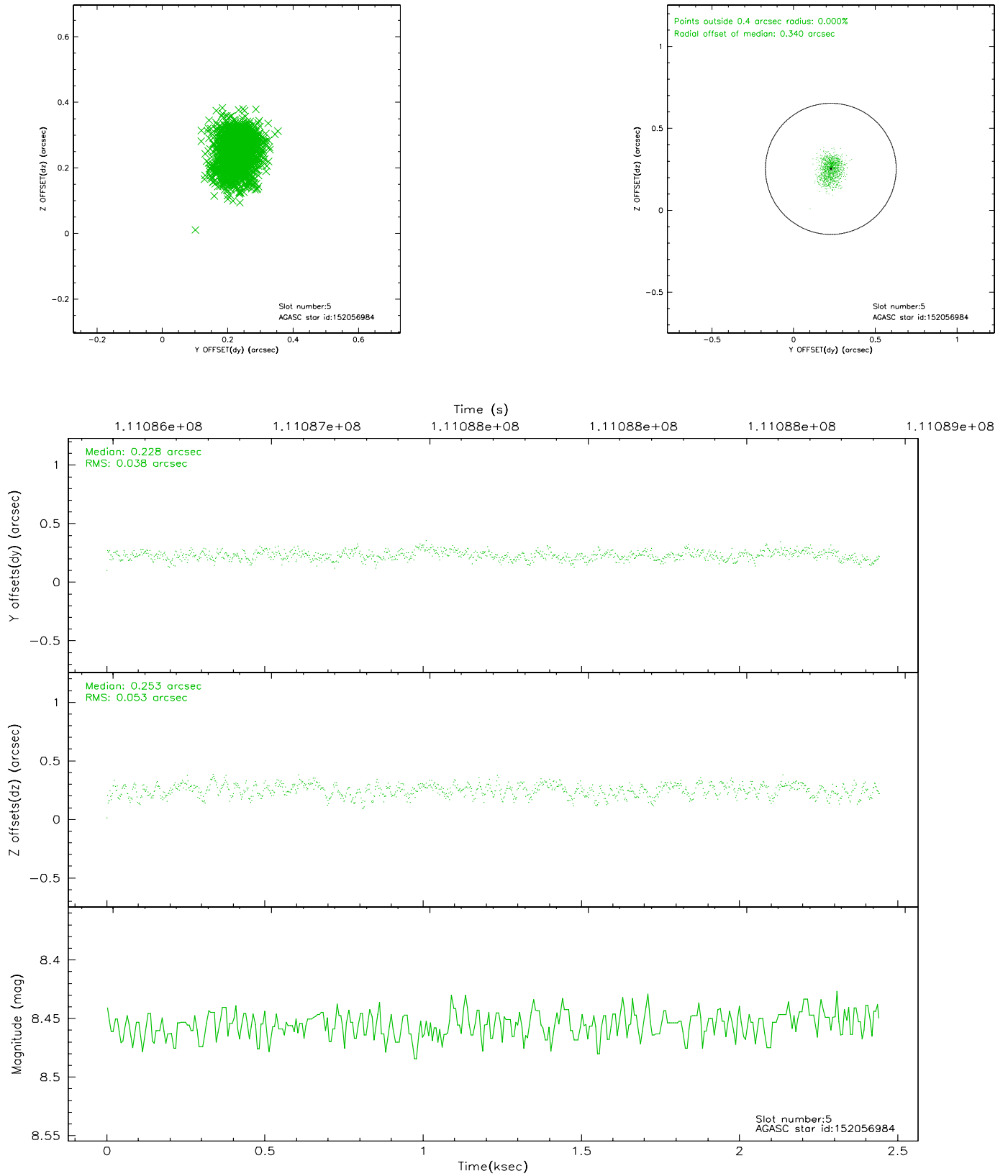
### 2.4.1 Slot 3



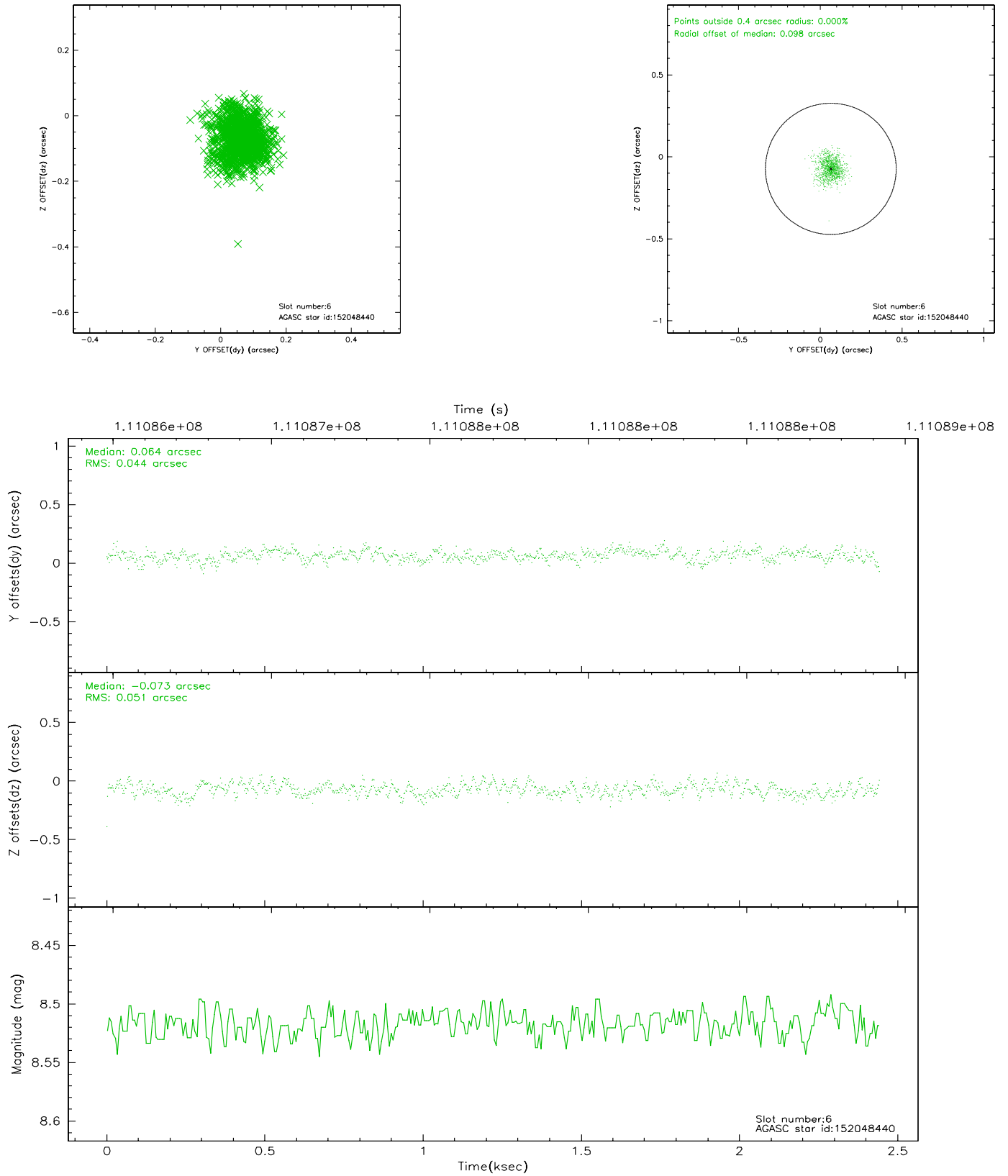
## 2.4.2 Slot 4



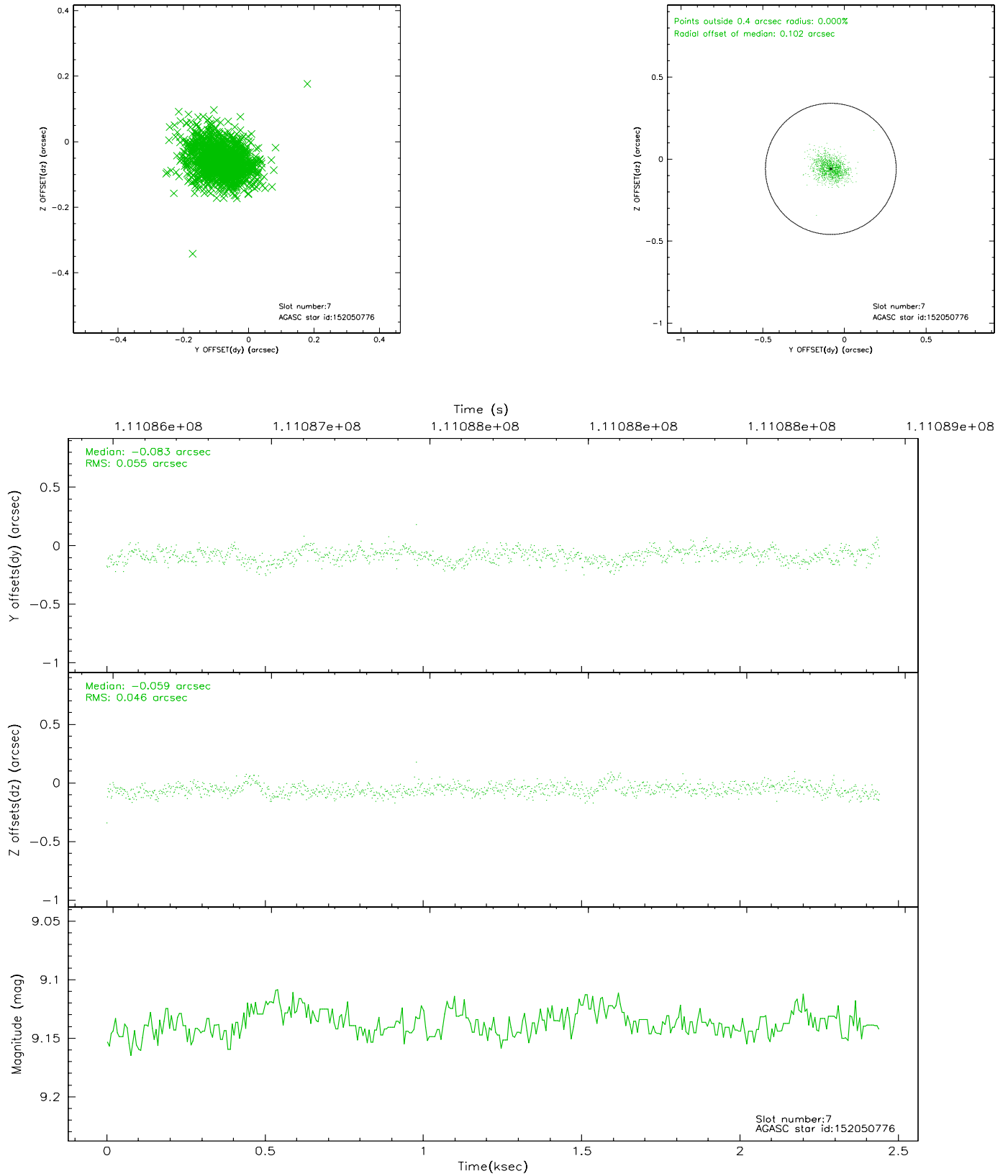
### 2.4.3 Slot 5



## 2.4.4 Slot 6

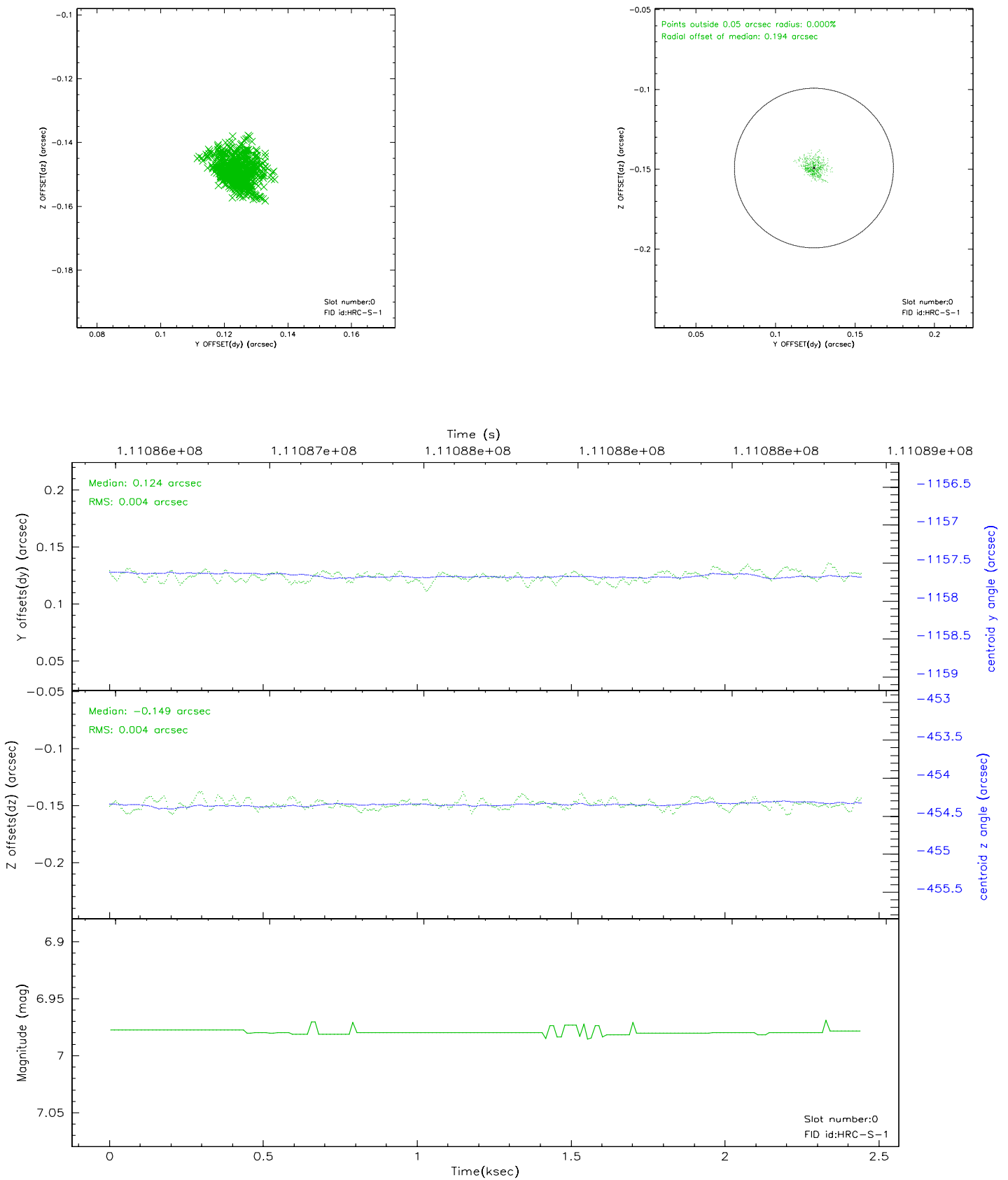


## 2.4.5 Slot 7

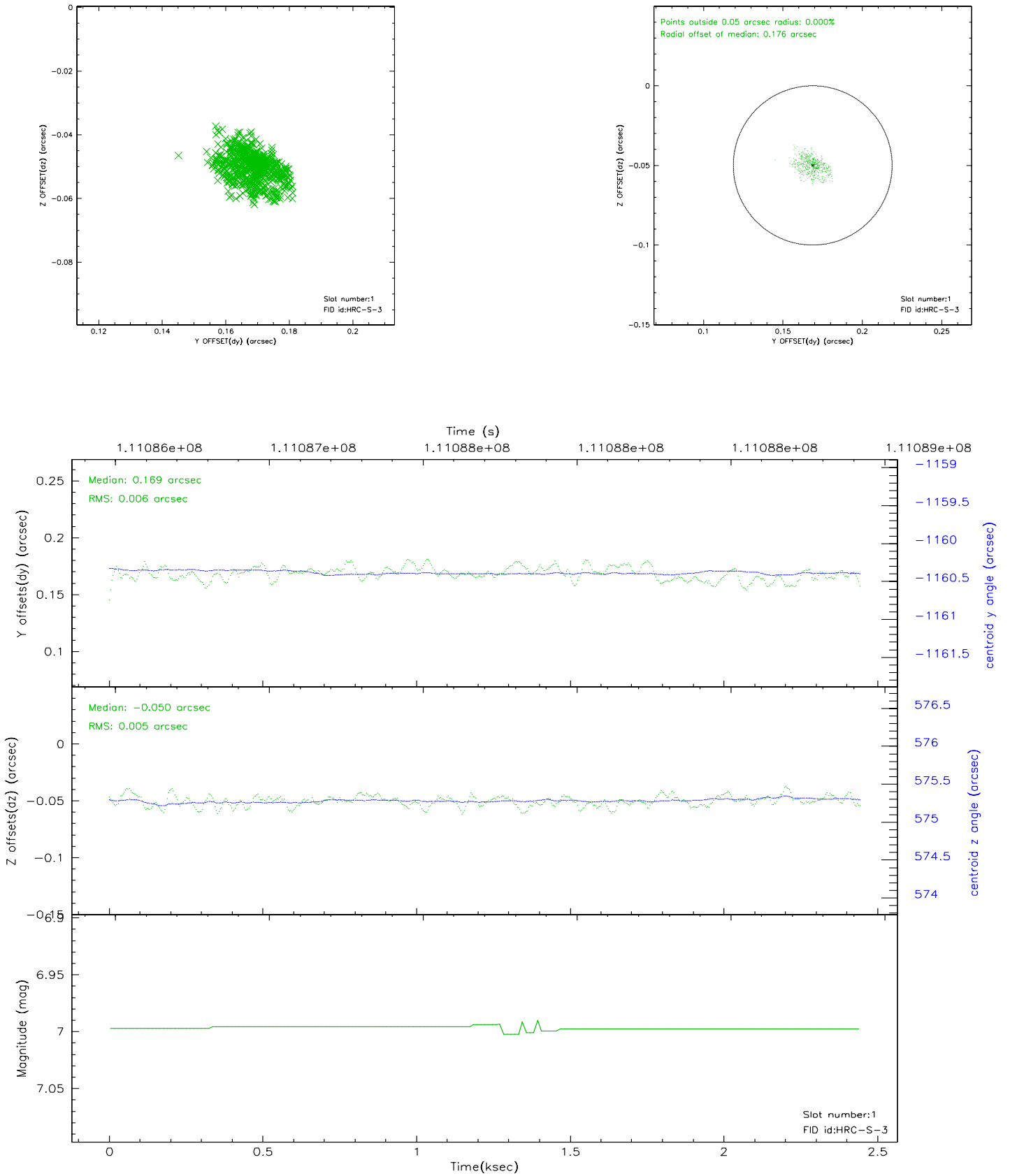


## 2.5 FID Slots

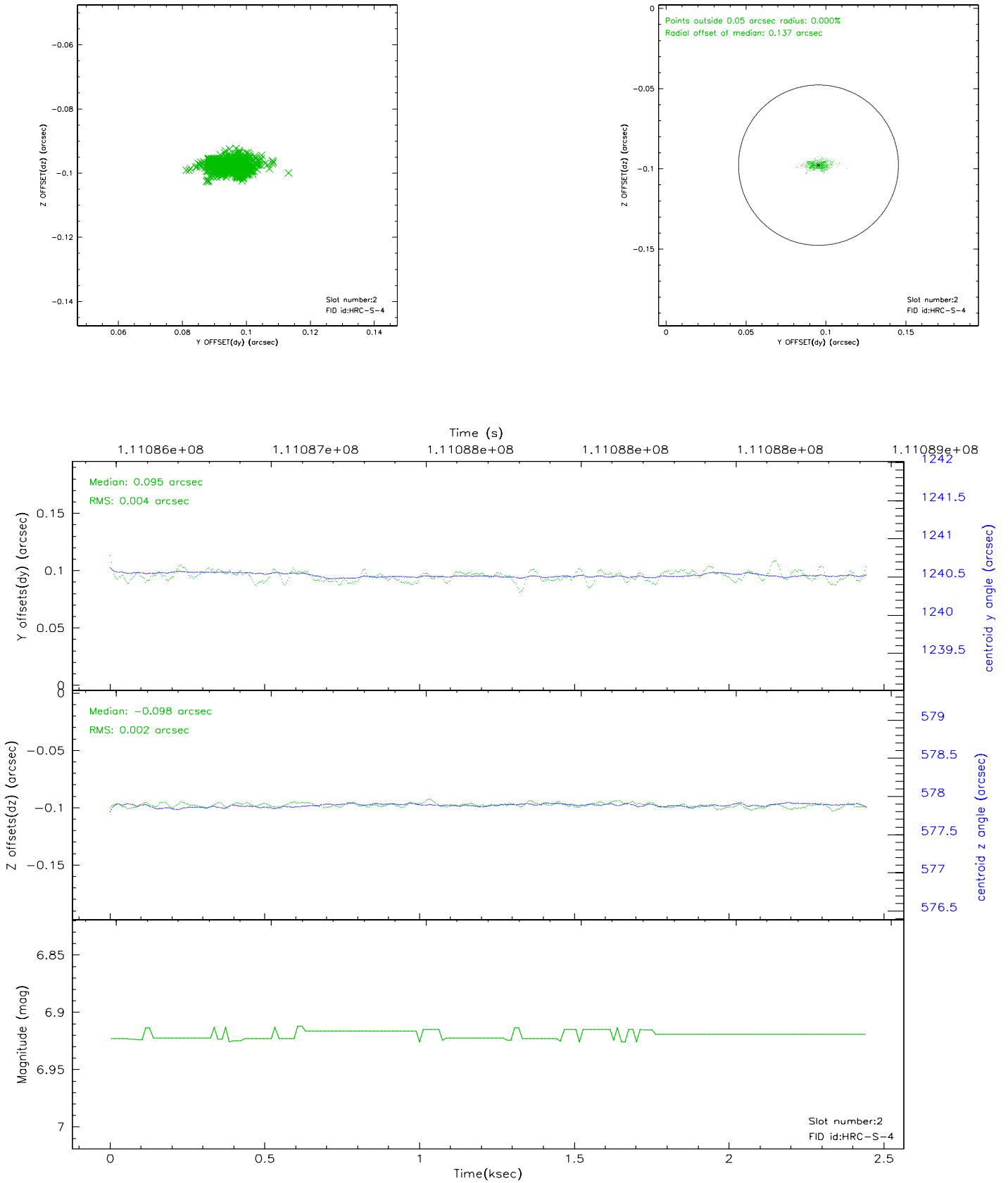
### 2.5.1 Slot 0



## 2.5.2 Slot 1



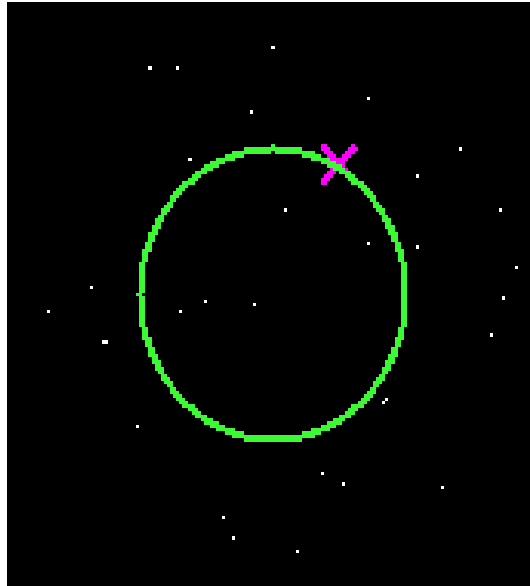
### 2.5.3 Slot 2



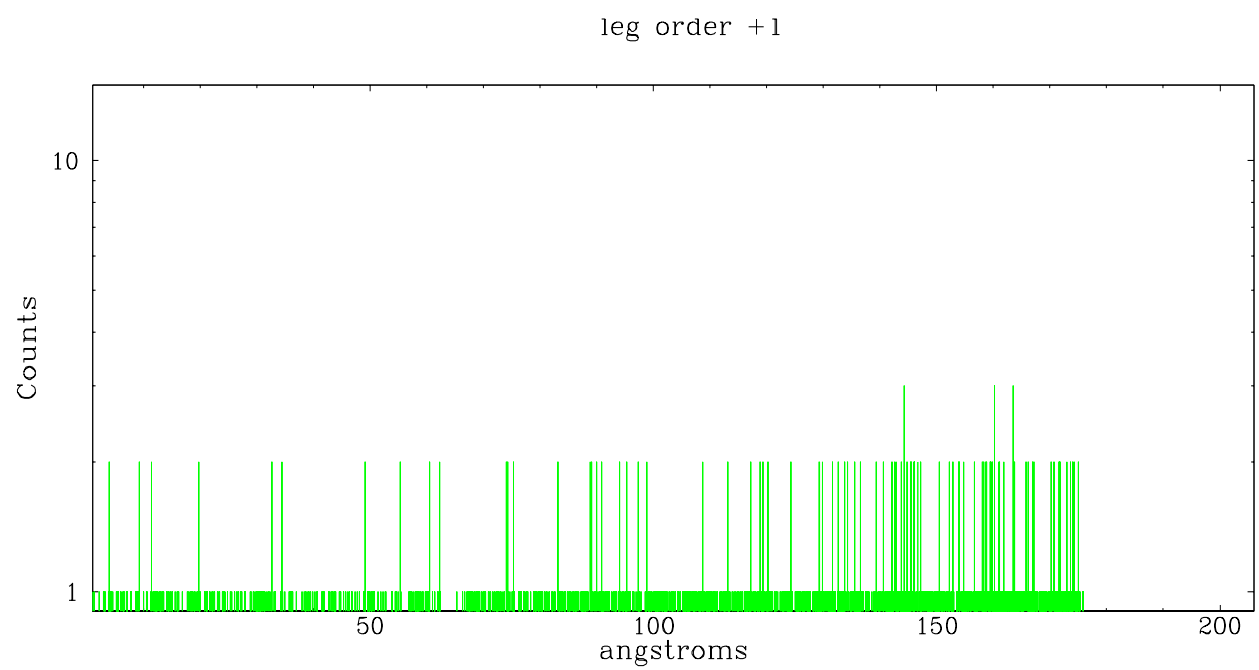
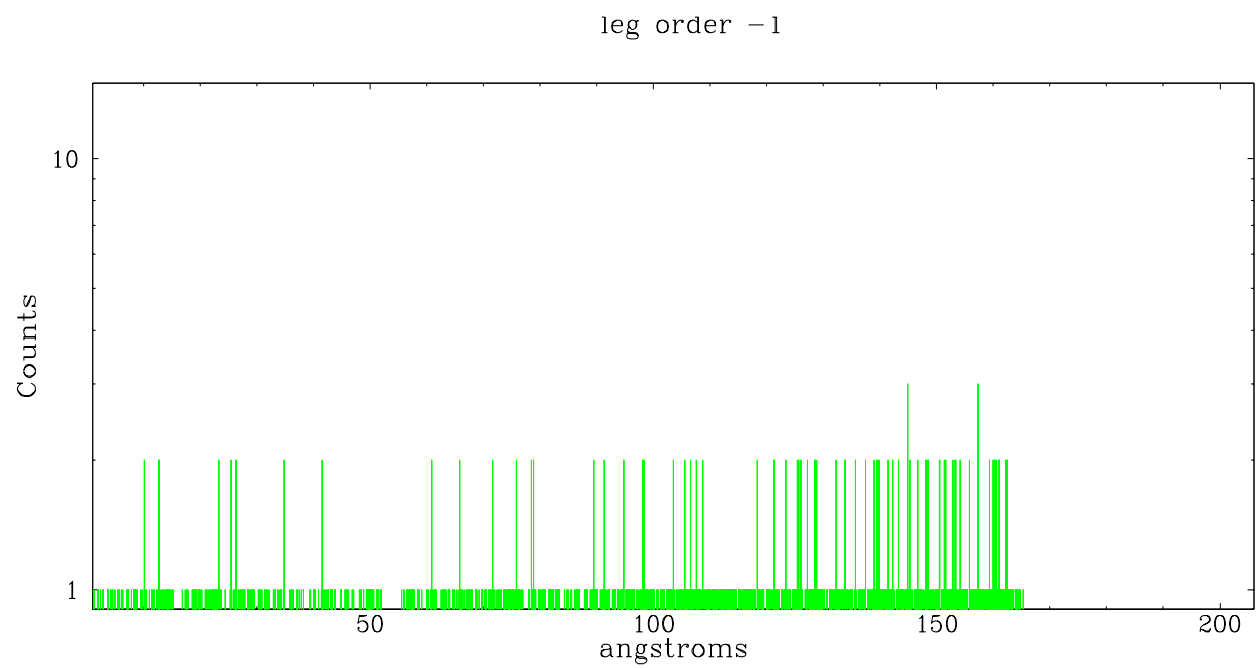


## 3 Gratings

### 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	2.44

## 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.