

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2477 - L2 Version 001  
Chandra X-Ray Center

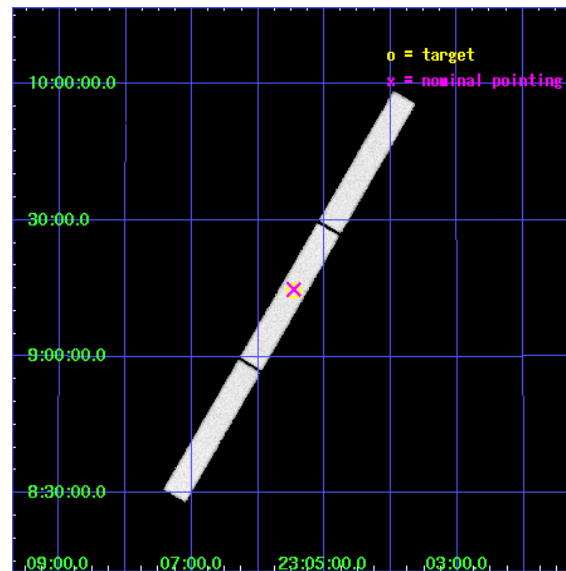
L2 Processing Date : Dec 11 2006

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# 1 Front

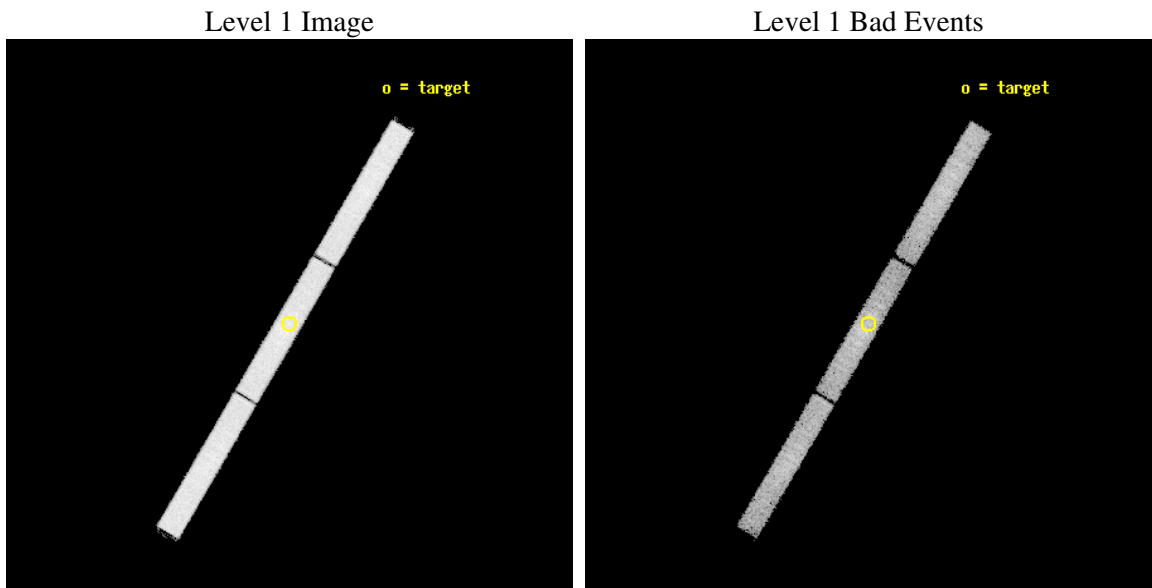
seq_num	100008
obs_id	2477
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2
observer	DR W. THOMAS VESTRAND
object	LINEAR 2001 A2
ra_targ	346.36742
dec_targ	9.24325
ra_nom	346.36532813534
dec_nom	9.2471869137919
roll_nom	120.30373637862
revision	2
ontime	2394.6563436836
livetime	2378.1982102125
l2events	139813



## 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	2006-12-12T00:18:20
revision	2

sched_exp_time	2250.000000
ontime	2438.7313454151
l1events	245120

### 2.1.3 Events

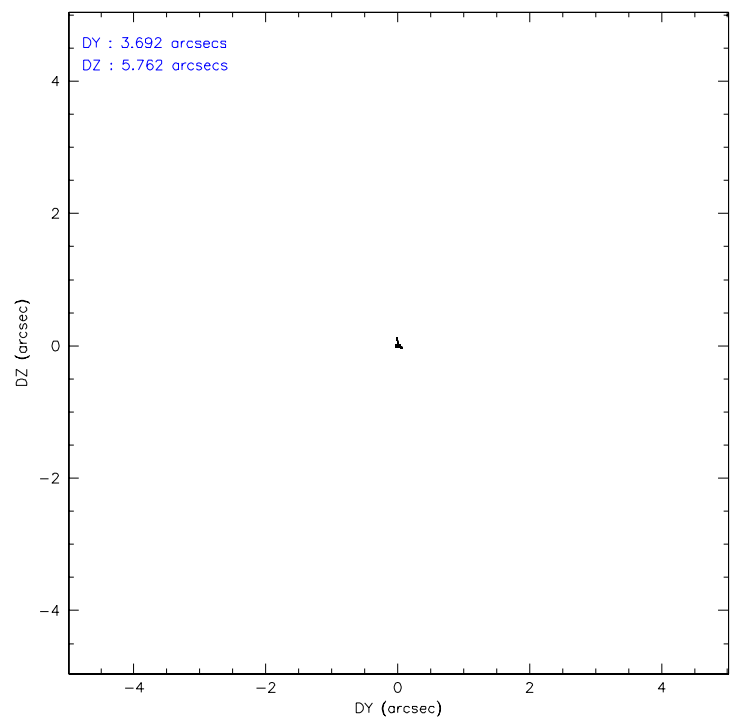
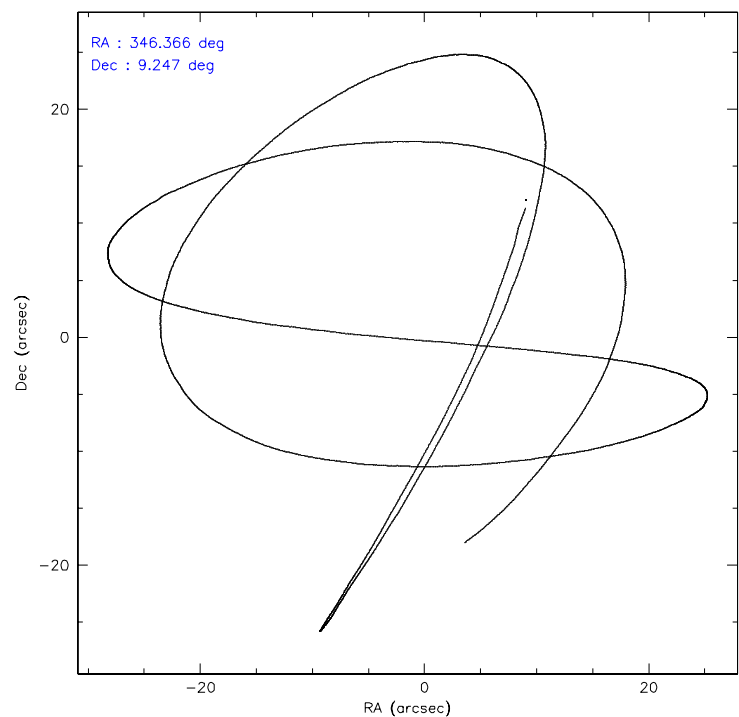
Level 1 Events

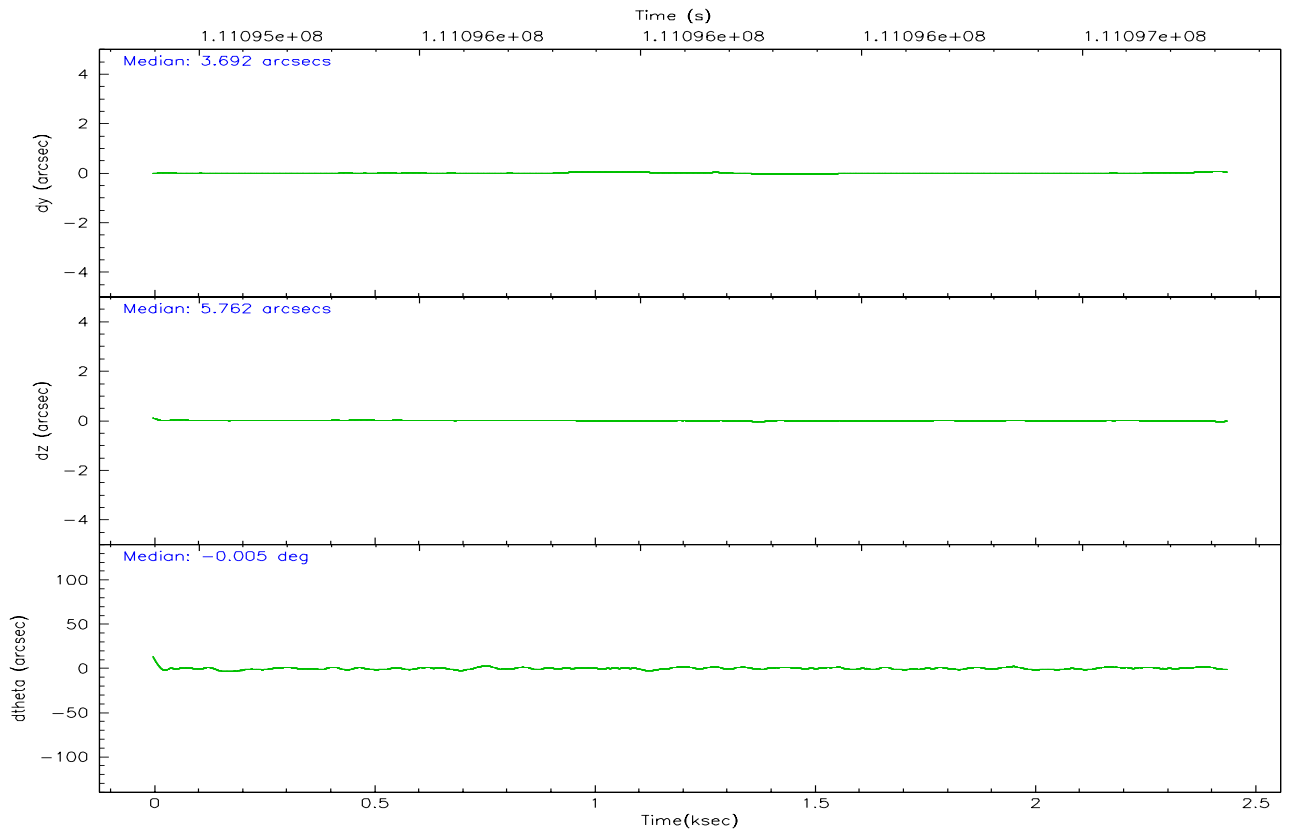
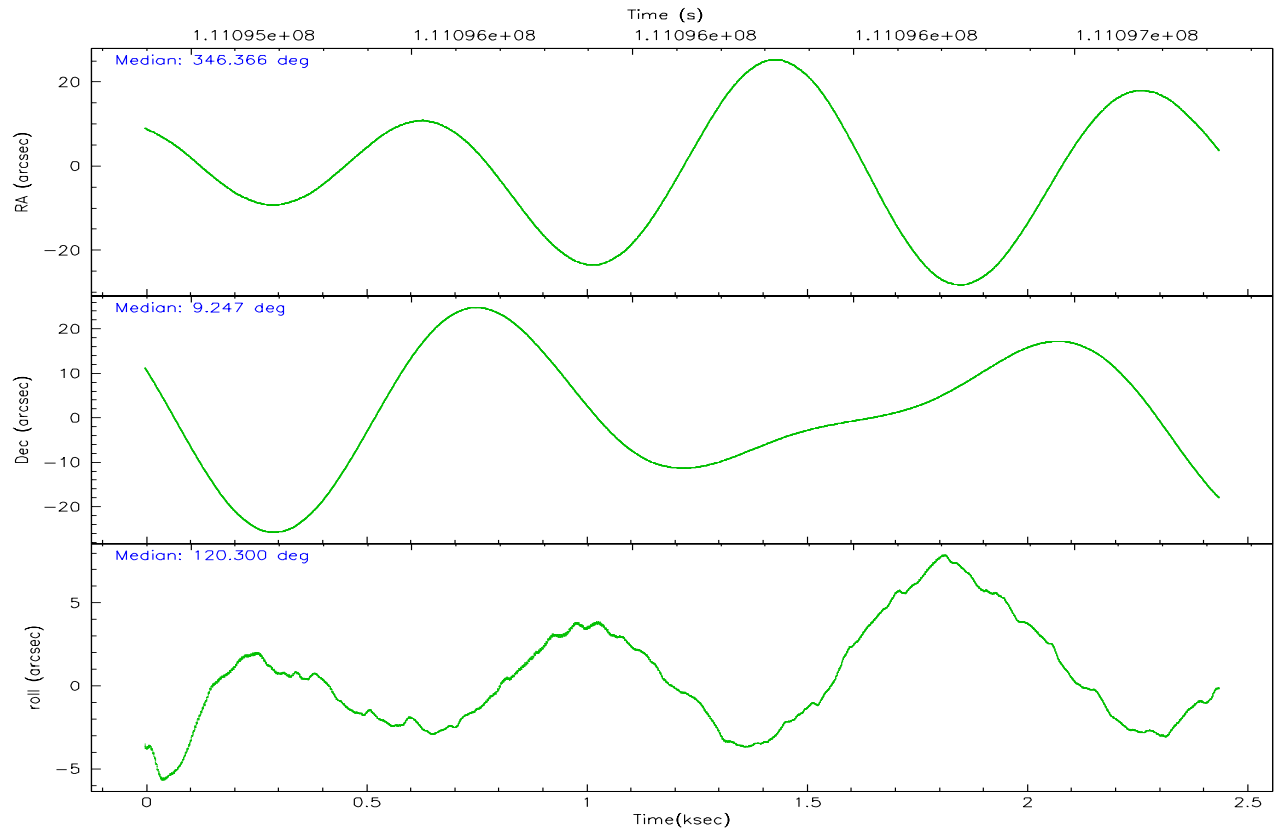
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	82132	80215	82773
rejected events	27651	28189	31182
rejected %	33%	35%	37%

## 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	346.390998	346.3653281353389			
Pointing Dec	9.234433	9.247186913791881			
Pointing Roll	120.232265	120.3037363786243			
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	111095082.184000	111094675.03645			
Observation start date	2001-07-09T19:43:38	2001-07-09T19:37:55			
Observation end time	111097332.184000	111097465.59906			
Observation end date	2001-07-09T20:21:08	2001-07-09T20:24:25			

## 2.3 Aspect





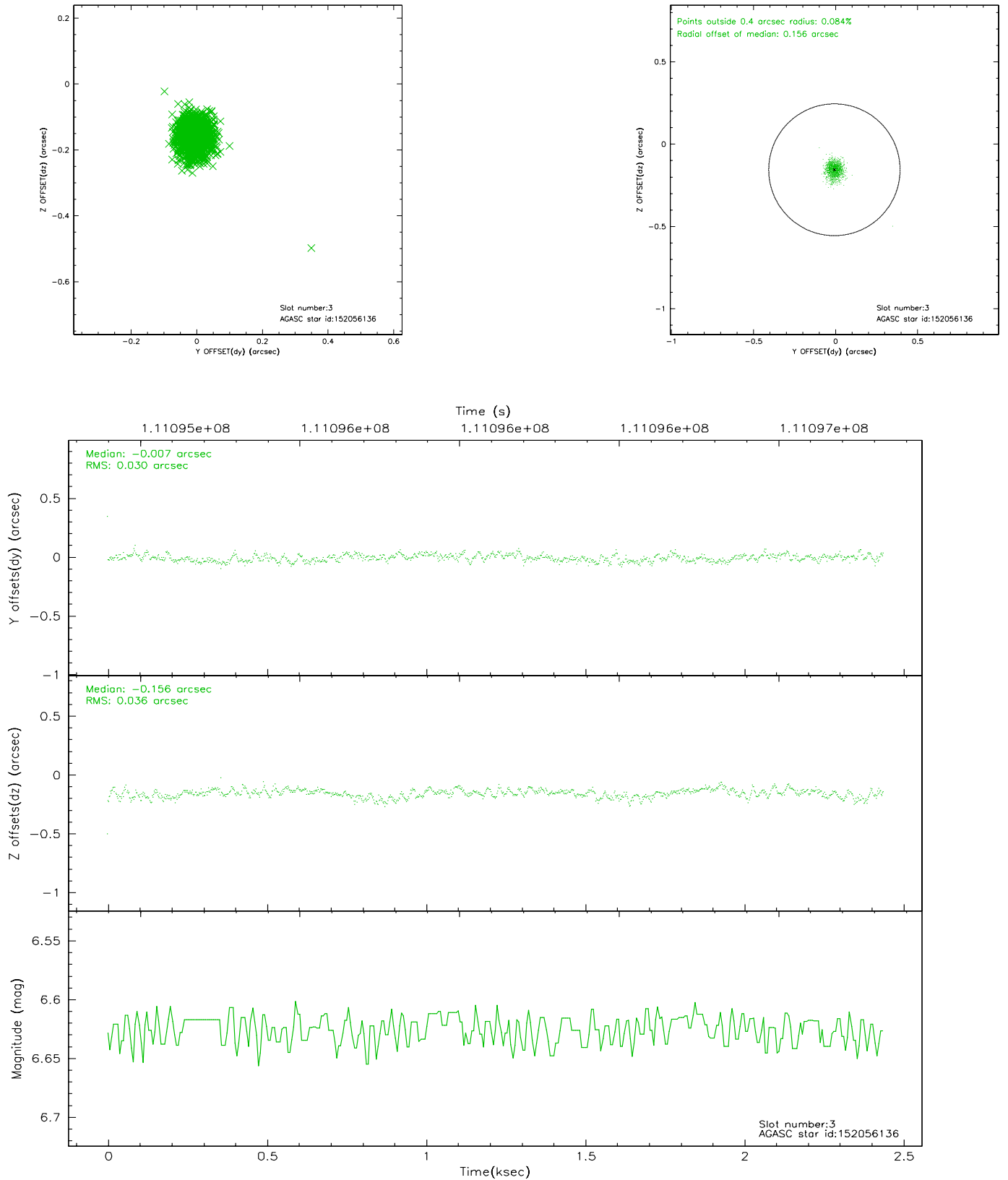
### Slot Statistics

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	595	0.125	-0.150	0.007	0.011	0.000000	0.000000	-1157.75	-454.35
1	FID	HRC-S-3	7.00	595	0.169	-0.049	0.008	0.014	0.000000	0.000000	-1162.41	574.52
2	FID	HRC-S-4	6.92	595	0.092	-0.098	0.005	0.009	0.000000	0.000000	1238.49	578.84
3	GUIDE	152056136	6.62	1191	-0.007	-0.156	0.047	0.077	346.466795	8.896005	-1186.22	381.32
4	GUIDE	152046048	8.79	1191	-0.159	0.114	0.056	0.094	346.265854	9.604114	1374.59	-284.86
5	GUIDE	152056984	8.46	1191	0.155	0.281	0.078	0.121	347.141022	9.108410	-1728.43	-2075.50
6	GUIDE	152048440	8.52	1191	0.090	-0.098	0.059	0.092	346.200519	9.070077	-169.36	882.00
7	GUIDE	152050776	9.13	1189	-0.074	-0.140	0.074	0.122	346.189473	9.345260	707.25	419.14

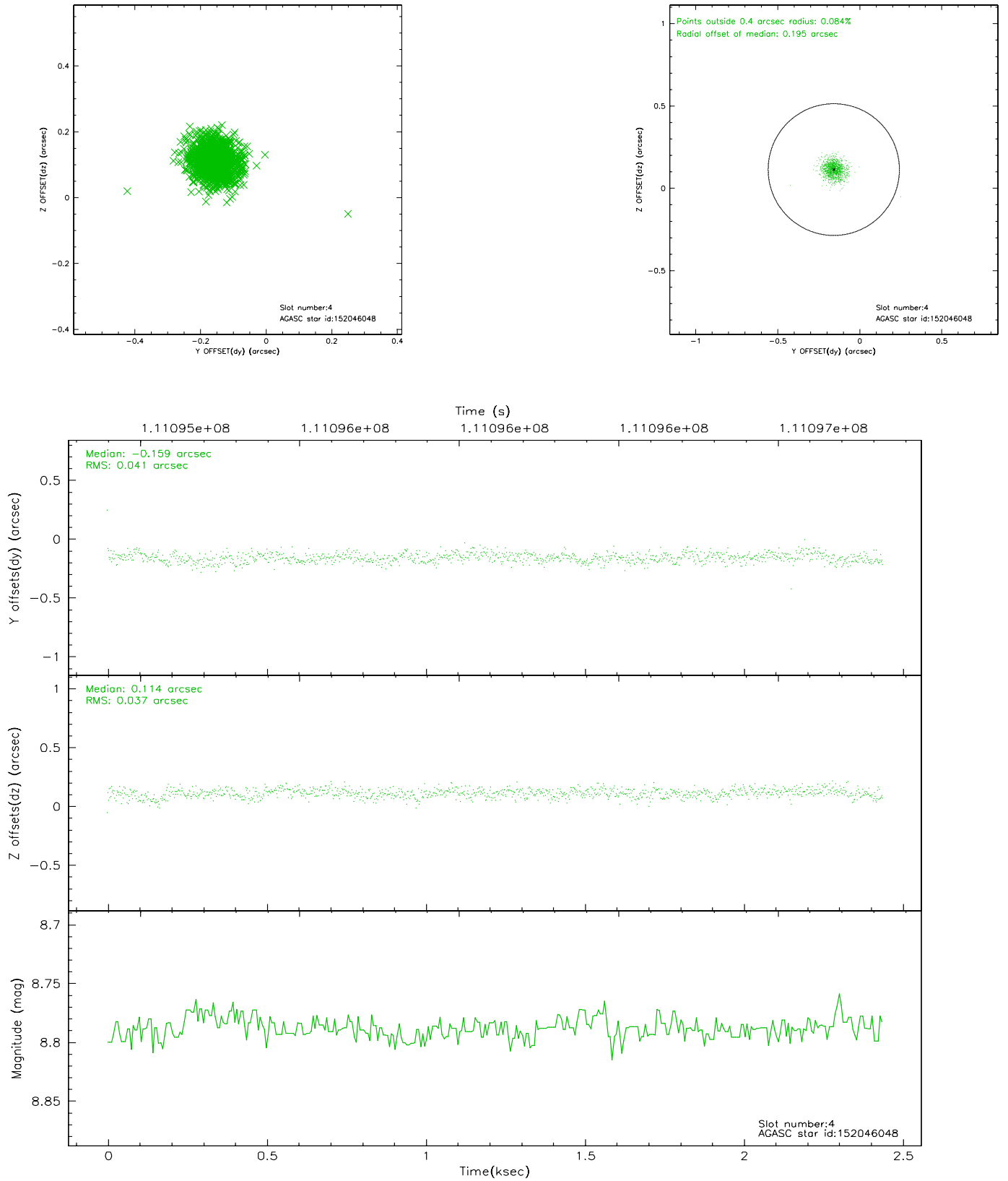


## 2.4 Star Slots

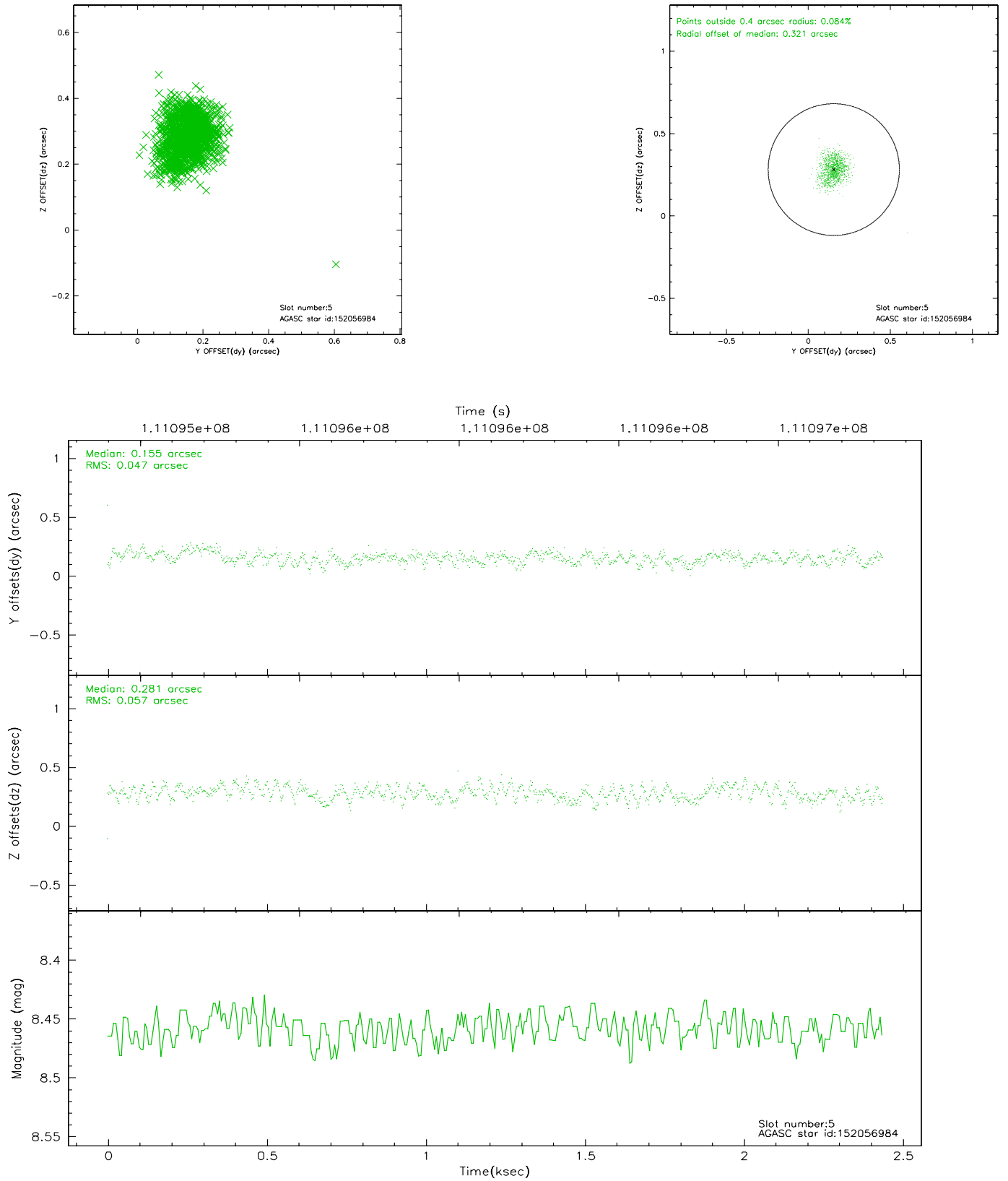
### 2.4.1 Slot 3



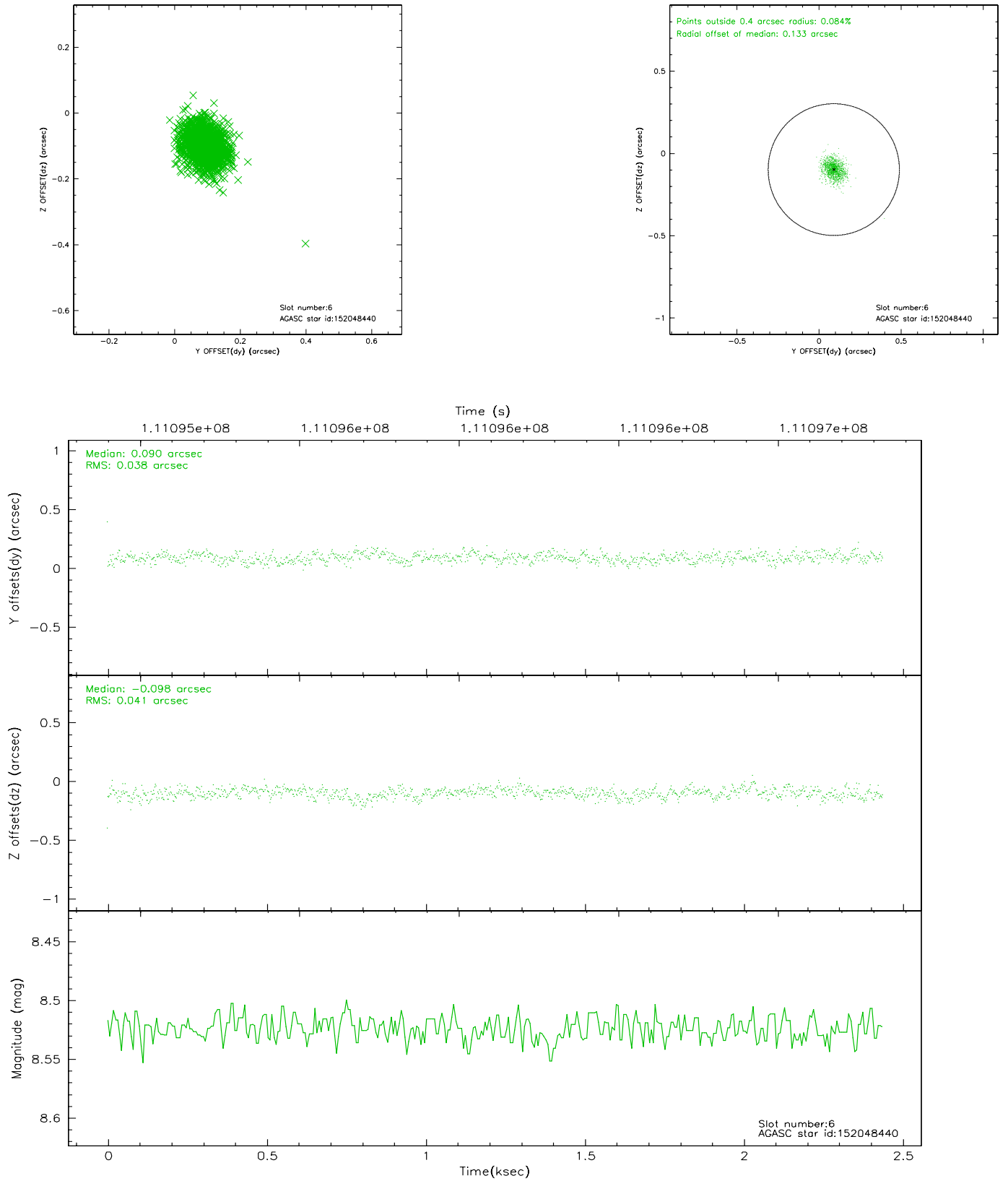
## 2.4.2 Slot 4



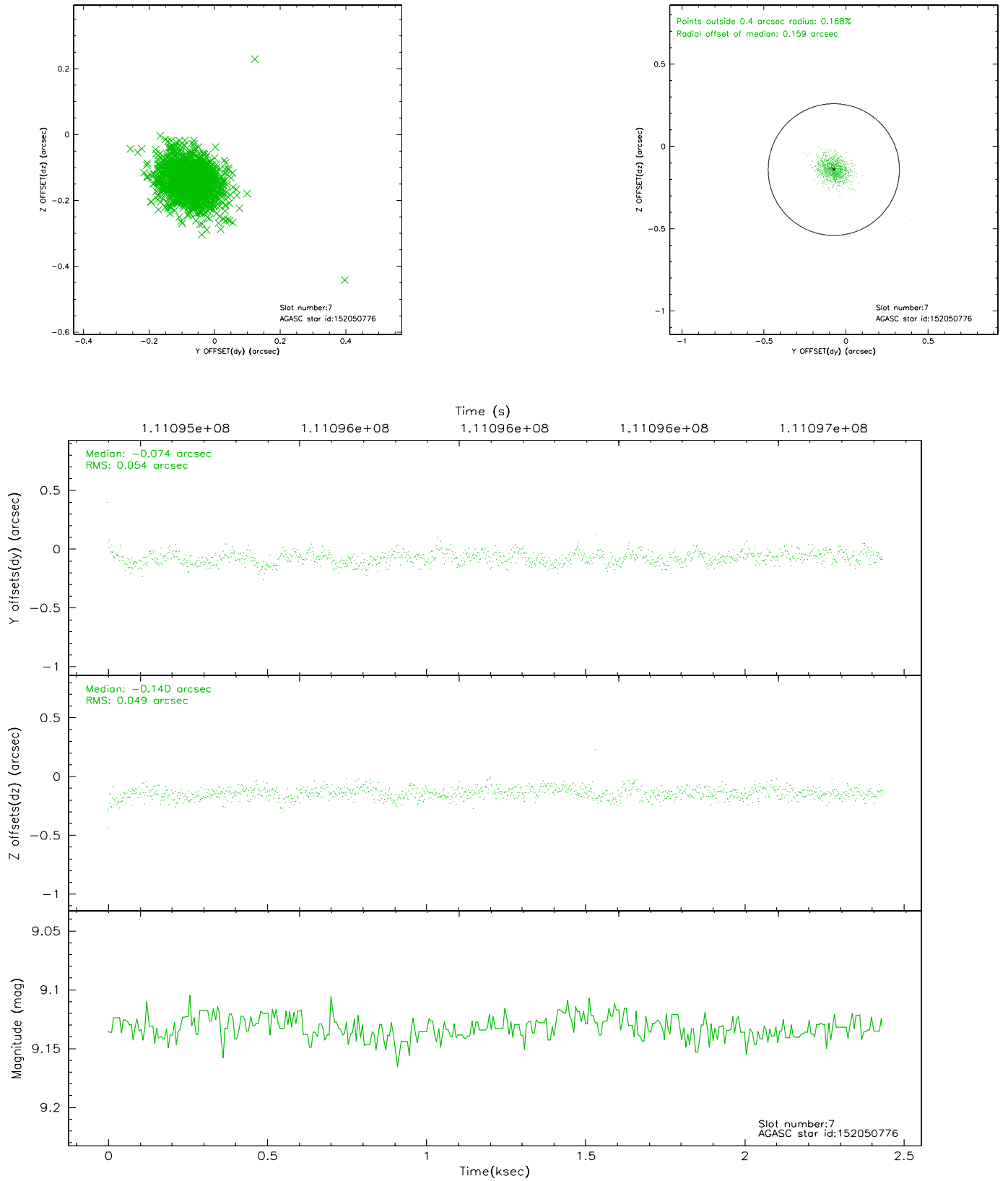
### 2.4.3 Slot 5



## 2.4.4 Slot 6

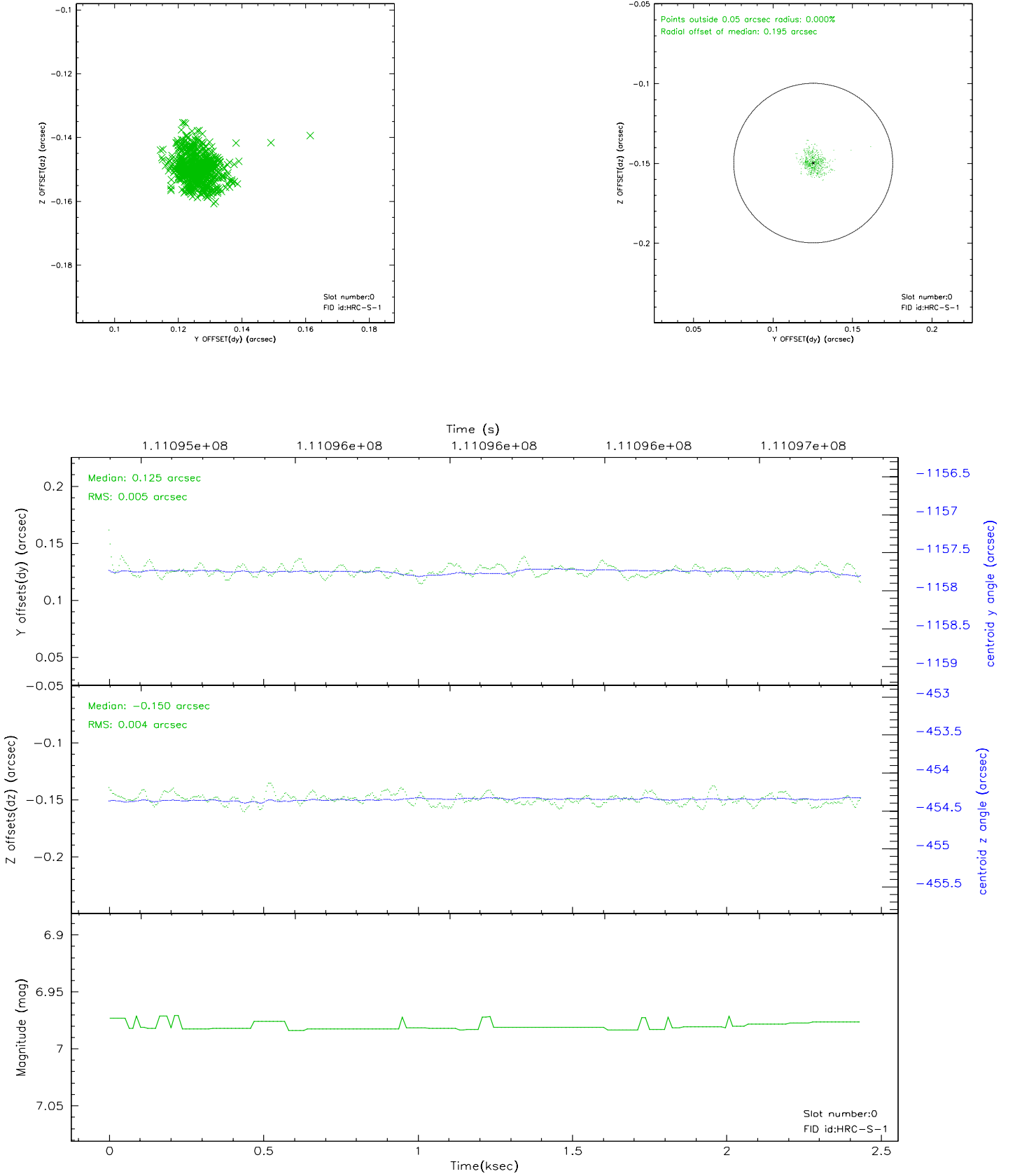


## 2.4.5 Slot 7

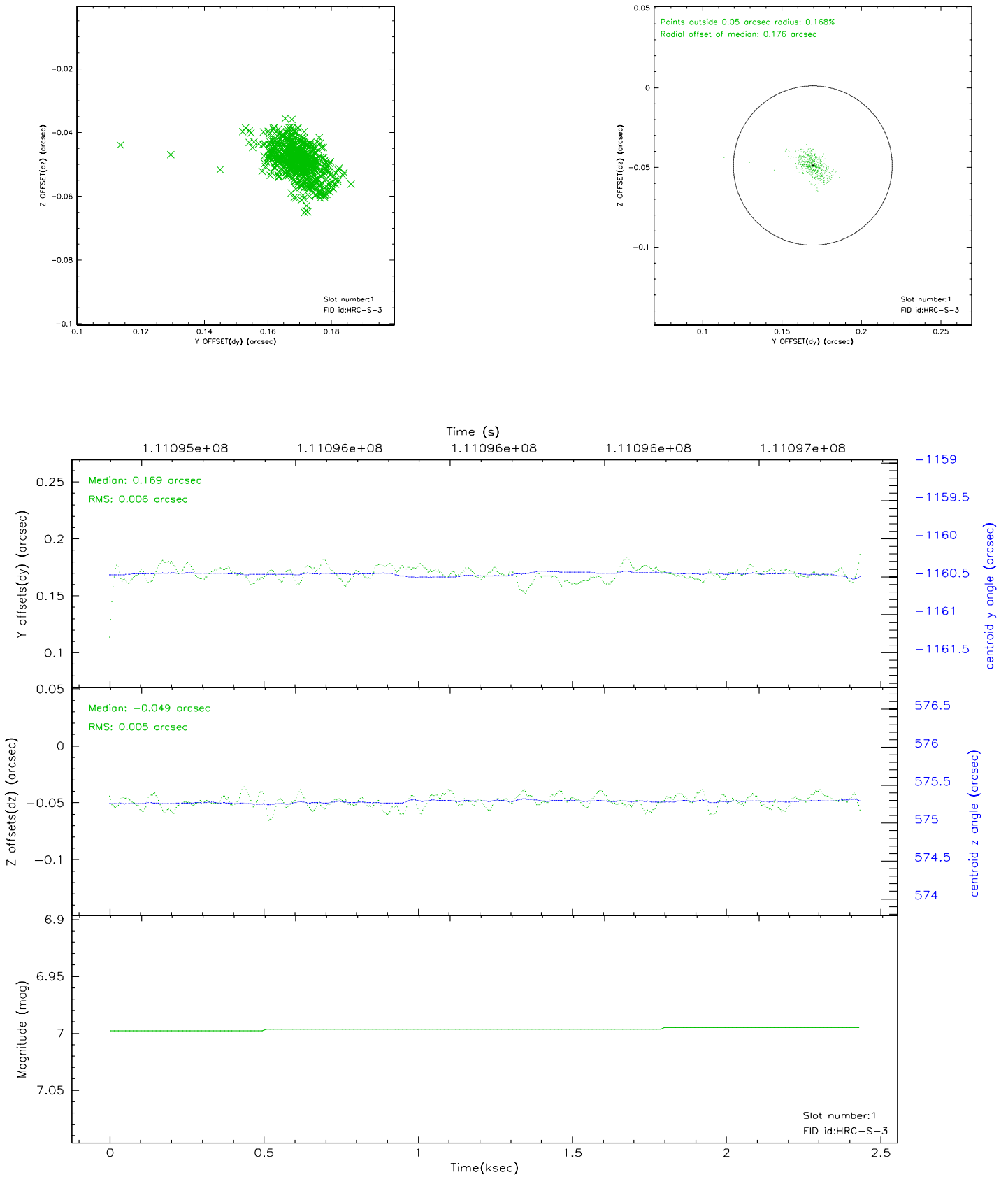


## 2.5 FID Slots

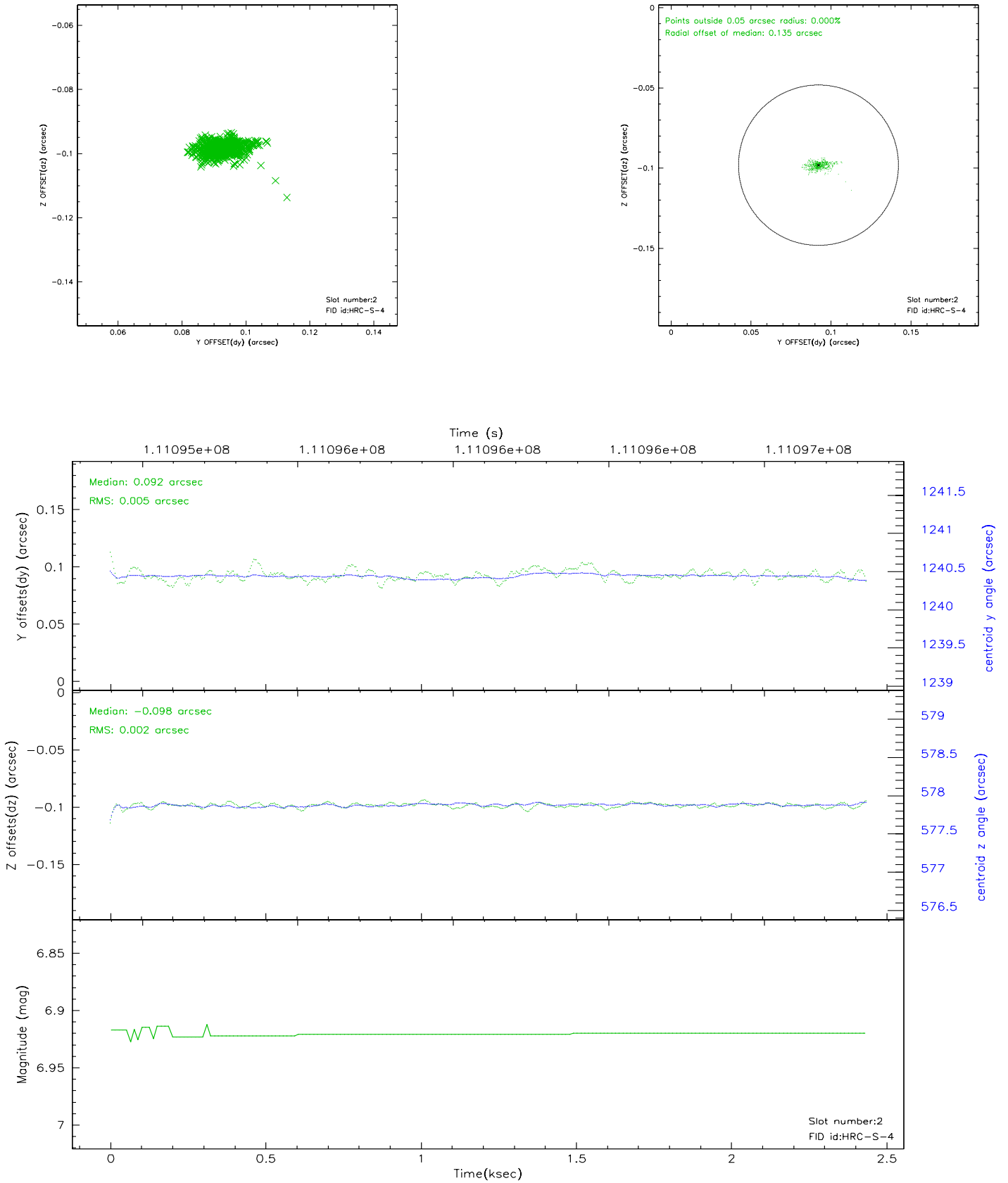
### 2.5.1 Slot 0



## 2.5.2 Slot 1



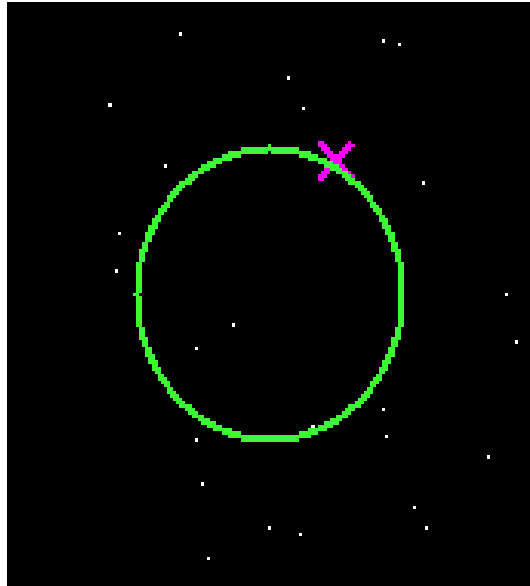
### 2.5.3 Slot 2



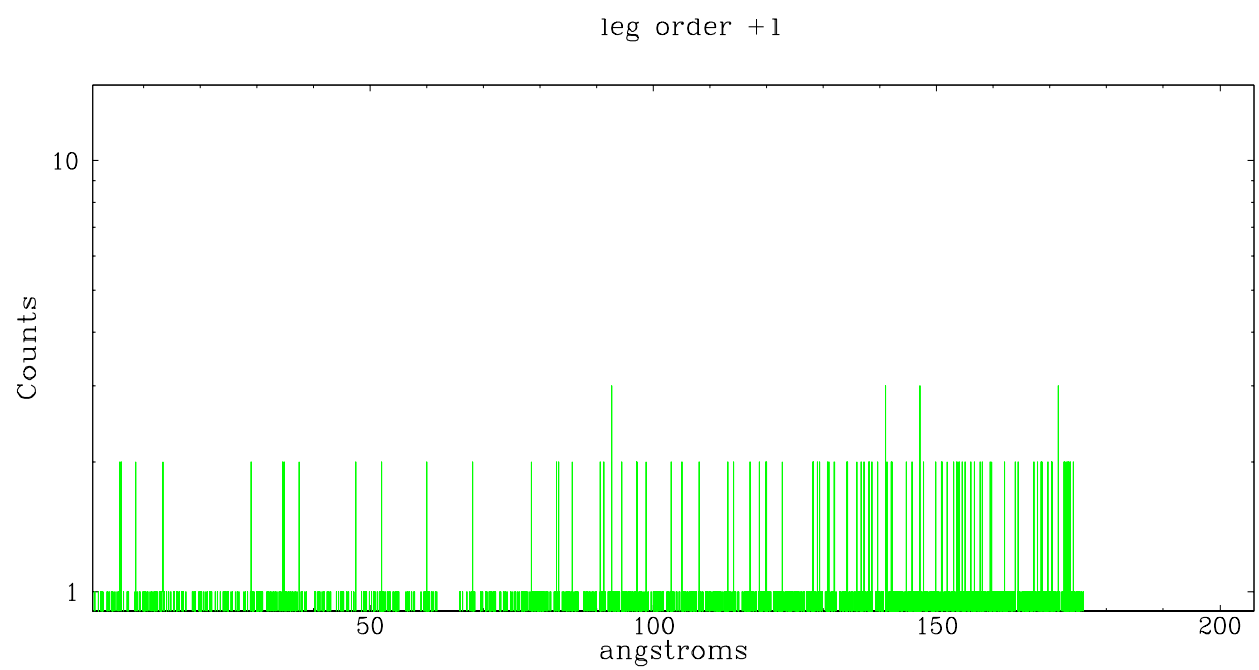
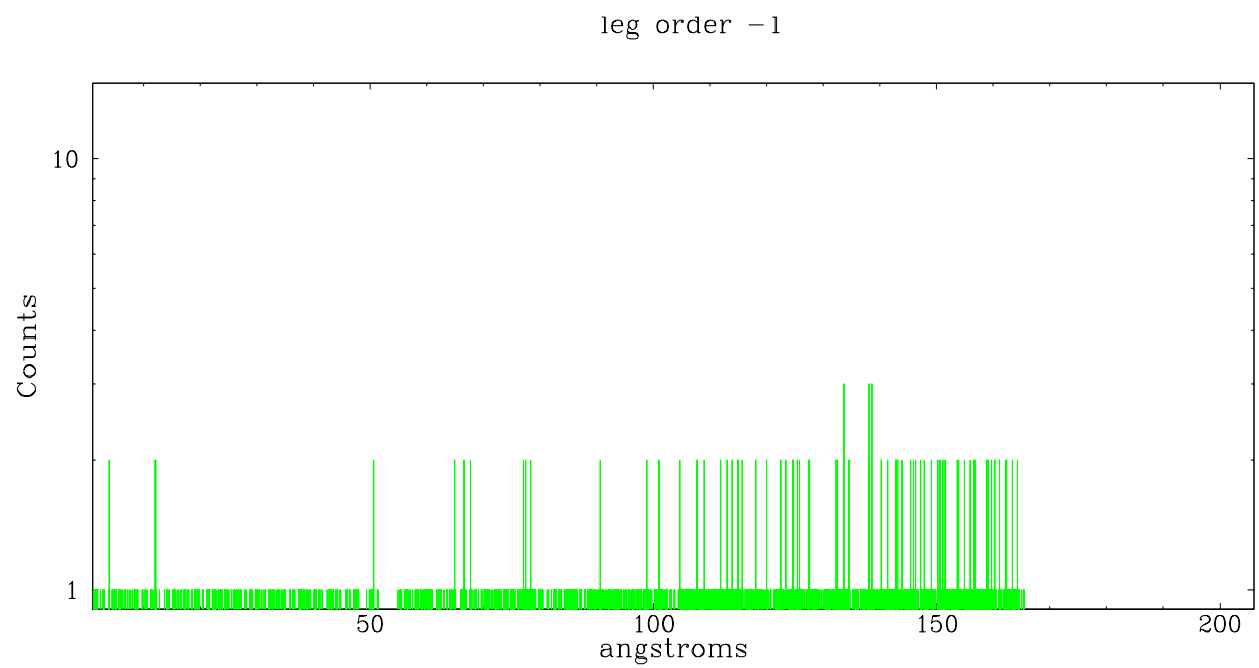


## 3 Gratings

### 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	2.432

## 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.