

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1824 - L2 Version 001  
Chandra X-Ray Center

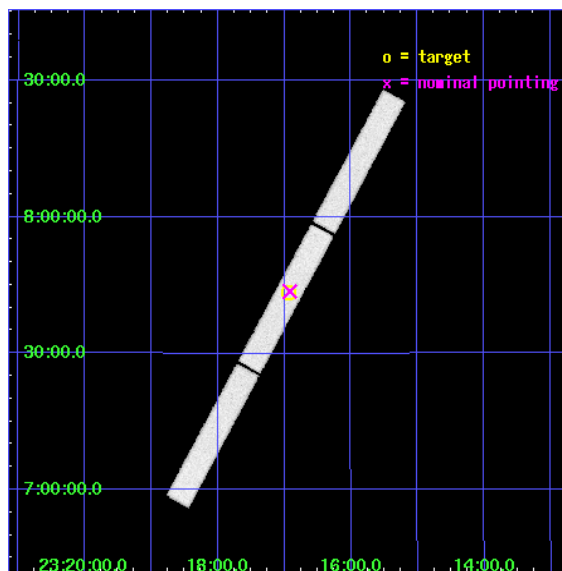
L2 Processing Date : Dec 11 2006

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# 1 Front

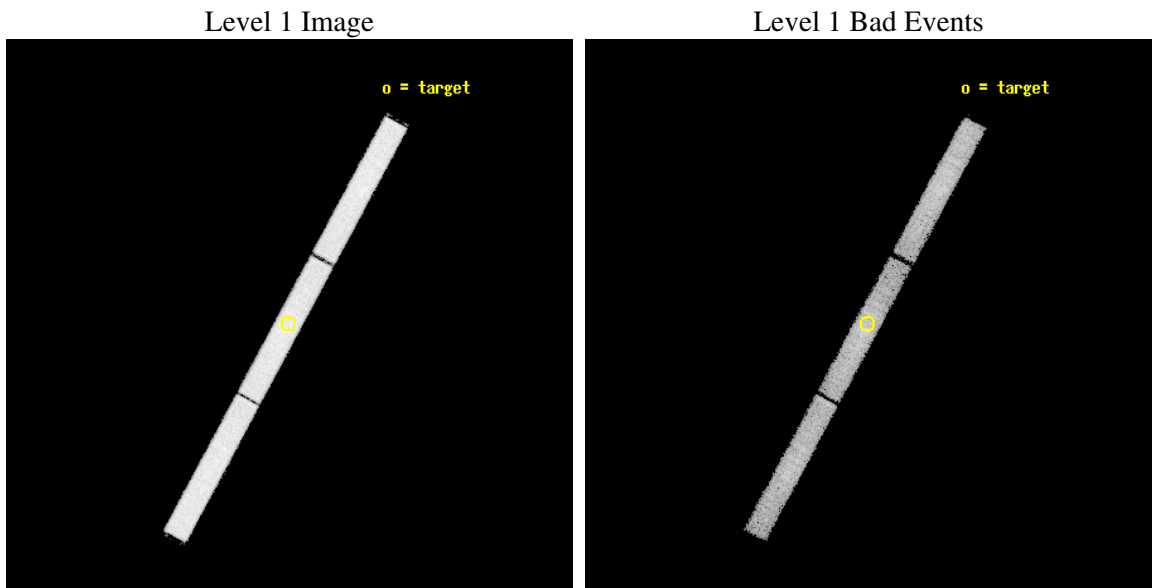
seq_num	100008
obs_id	1824
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2
observer	DR W. THOMAS VESTRAND
object	LINEAR 2001 A2
ra_targ	349.231608
dec_targ	7.722879
ra_nom	349.22895407004
dec_nom	7.7274111175343
roll_nom	118.37914308043
revision	2
ontime	2394.6563436687
livetime	2378.1723821911
l2events	140593



## 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	2006-12-11T22:33:10
revision	2

sched_exp_time	2250.000000
ontime	2444.6250956208
l1events	242874

### 2.1.3 Events

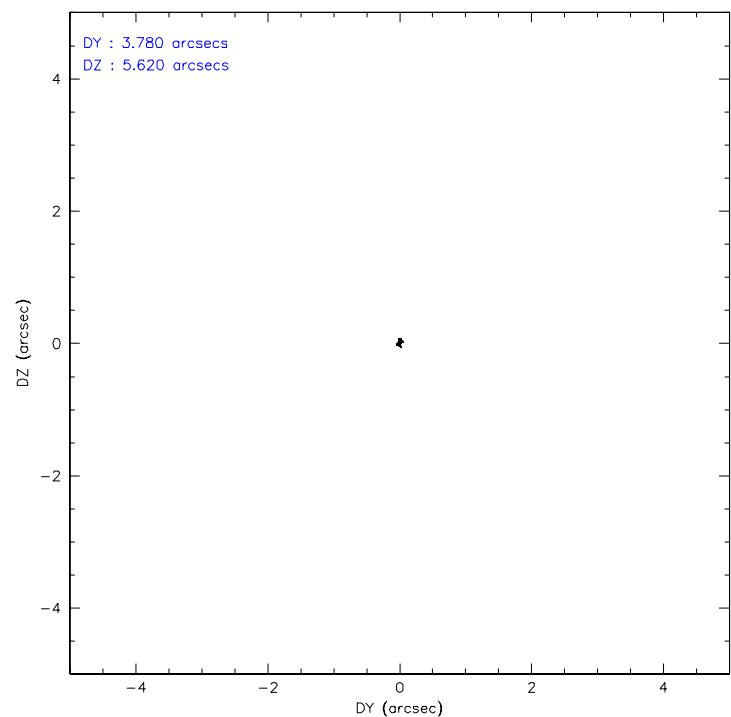
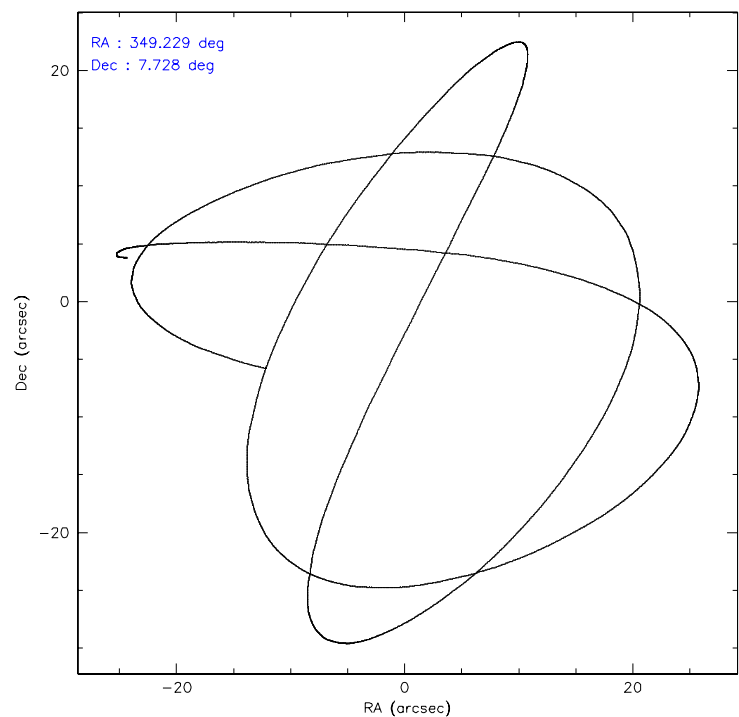
Level 1 Events

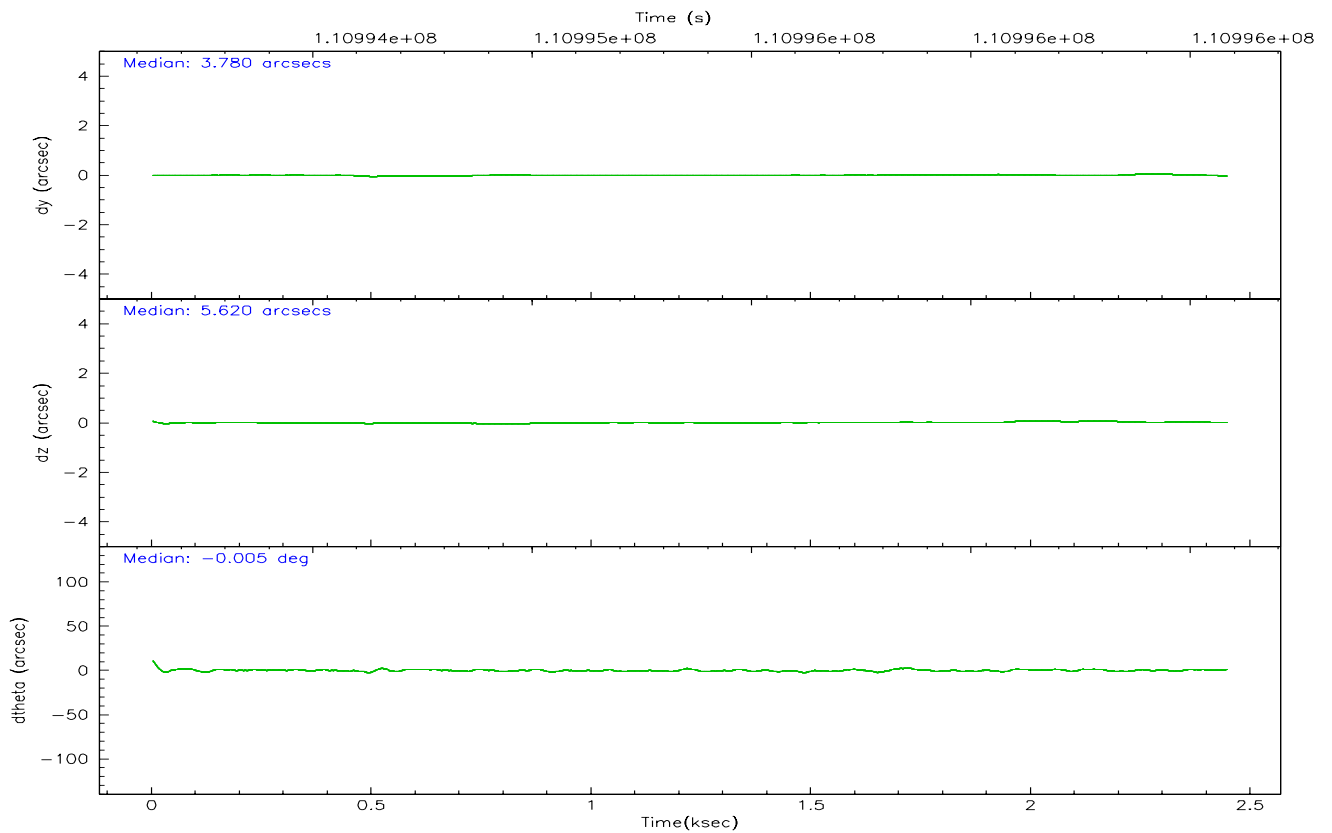
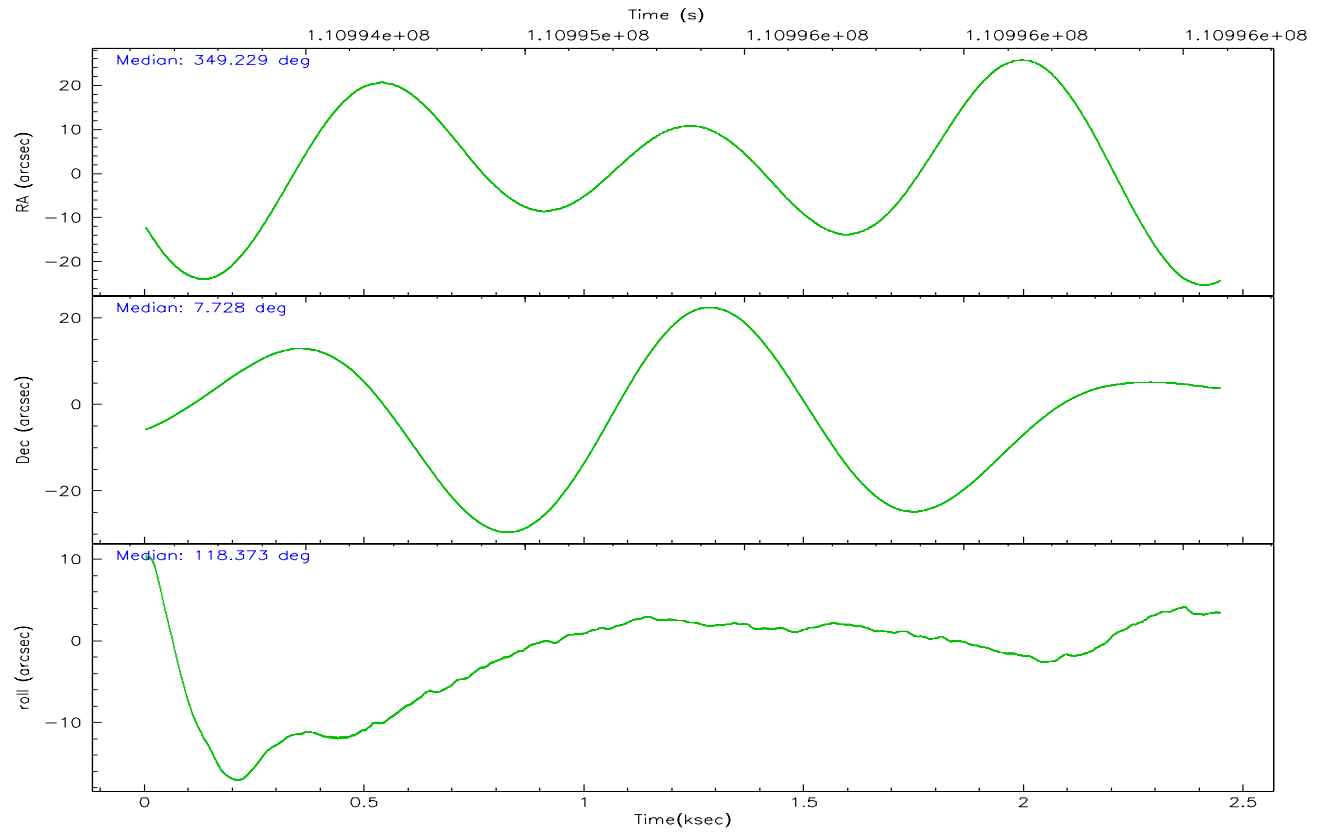
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	81517	79809	81548
rejected events	26535	27344	29943
rejected %	32%	34%	36%

## 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	349.254778	349.2289540700434			
Pointing Dec	7.713284	7.727411117534293			
Pointing Roll	118.308315	118.3791430804339			
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	110994334.184000	110993958.53251			
Observation start date	2001-07-08T15:44:30	2001-07-08T15:39:18			
Observation end time	110996584.184000	110996717.83262			
Observation end date	2001-07-08T16:22:00	2001-07-08T16:25:17			

### 2.3 Aspect





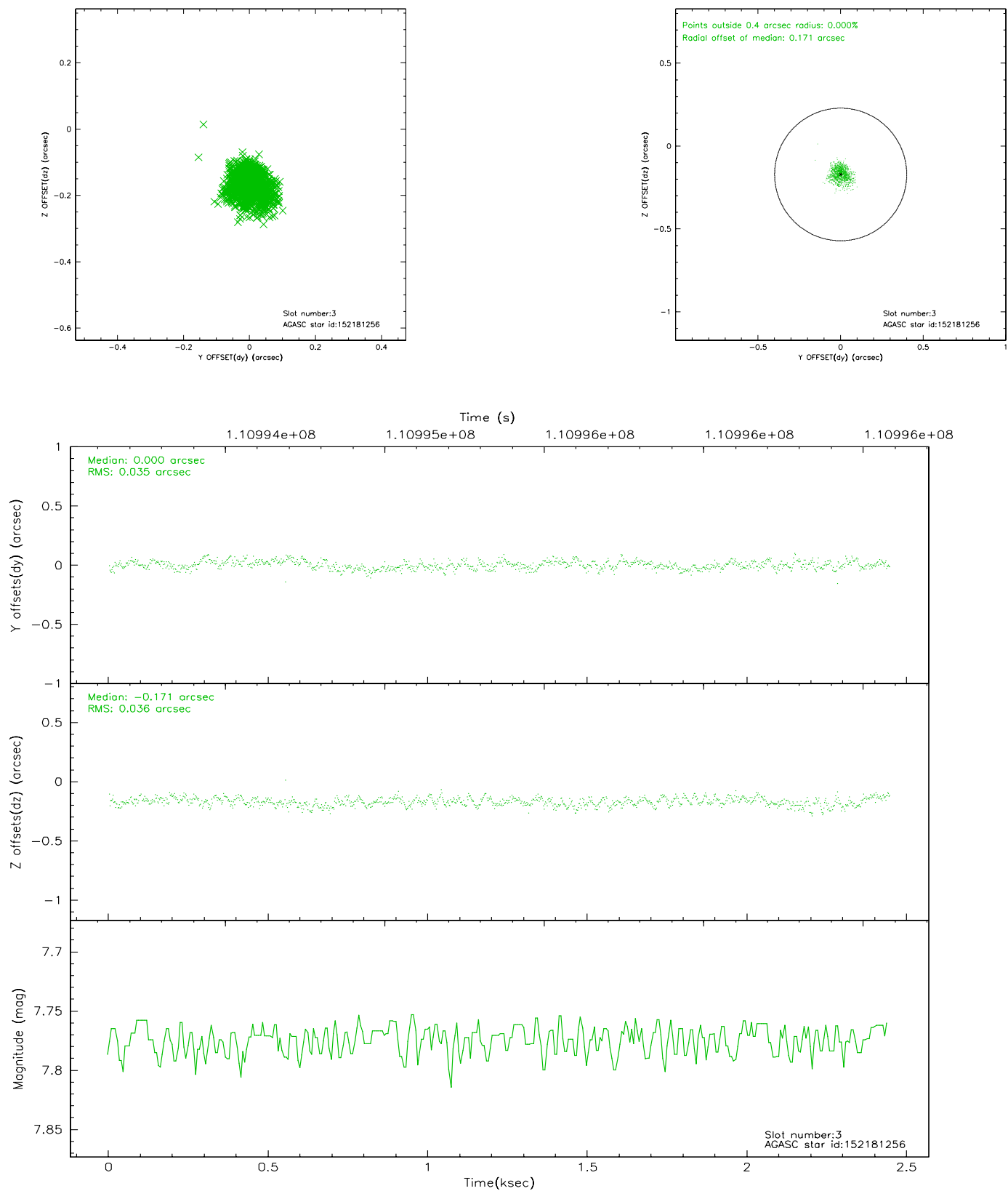
### Slot Statistics

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	597	0.130	-0.165	0.006	0.010	0.000000	0.000000	-1157.83	-454.22
1	FID	HRC-S-3	7.02	597	0.167	-0.032	0.007	0.013	0.000000	0.000000	-1162.49	574.68
2	FID	HRC-S-4	6.95	597	0.091	-0.100	0.005	0.009	0.000000	0.000000	1238.41	578.98
3	GUIDE	152181256	7.77	1194	0.000	-0.171	0.053	0.083	349.141958	7.580367	-232.73	579.85
4	GUIDE	152188192	8.62	1194	-0.235	0.167	0.082	0.135	349.535028	8.548285	2171.24	-2304.52
5	GUIDE	152180776	8.42	1194	0.107	0.052	0.063	0.103	349.576658	7.835091	-158.22	-1222.09
6	GUIDE	152180360	8.59	1194	-0.093	0.039	0.055	0.091	349.110181	8.037159	1268.43	-101.31
7	GUIDE	76419040	9.10	1192	0.223	-0.085	0.073	0.118	349.315769	7.117648	-1992.34	823.37

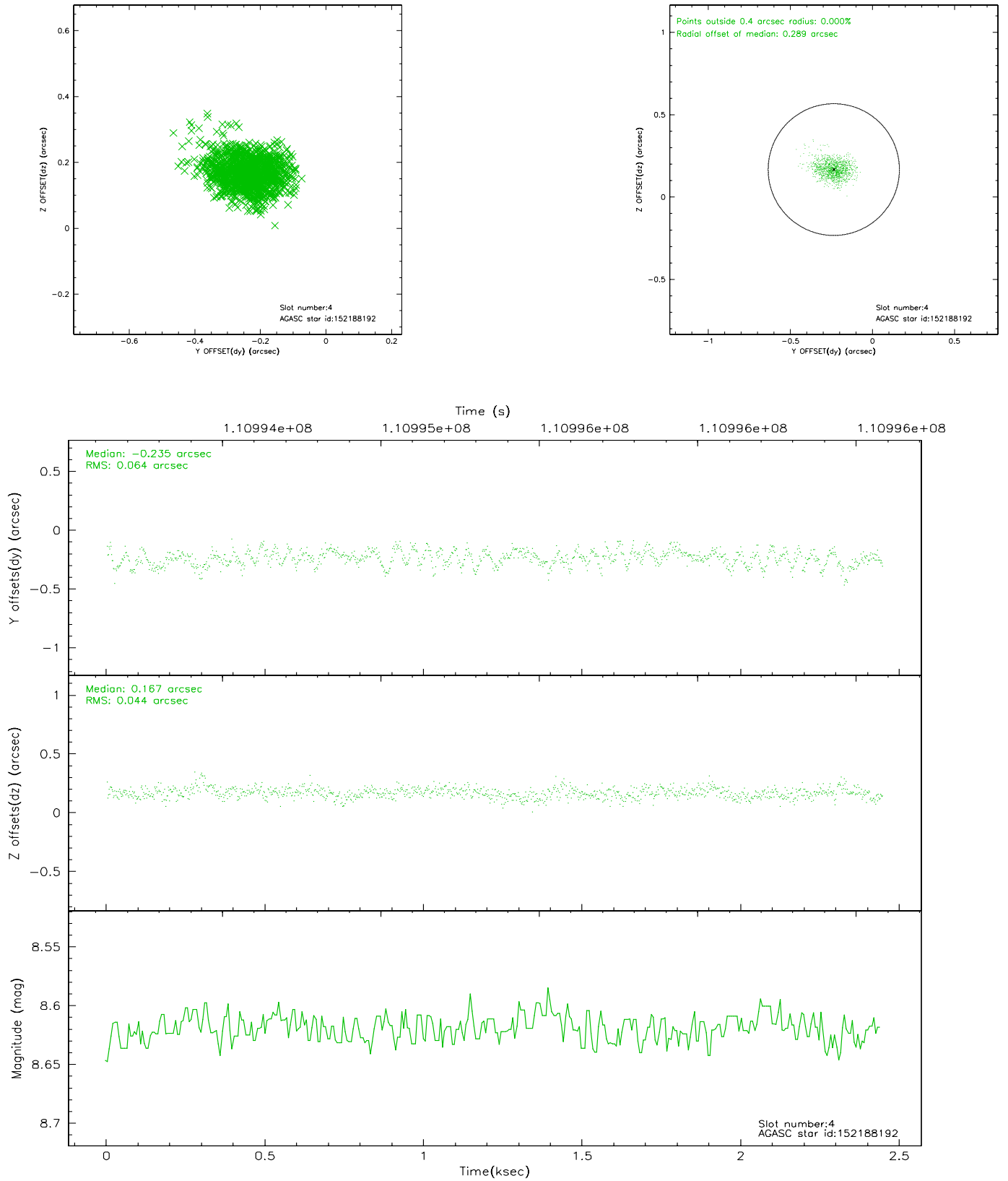


## 2.4 Star Slots

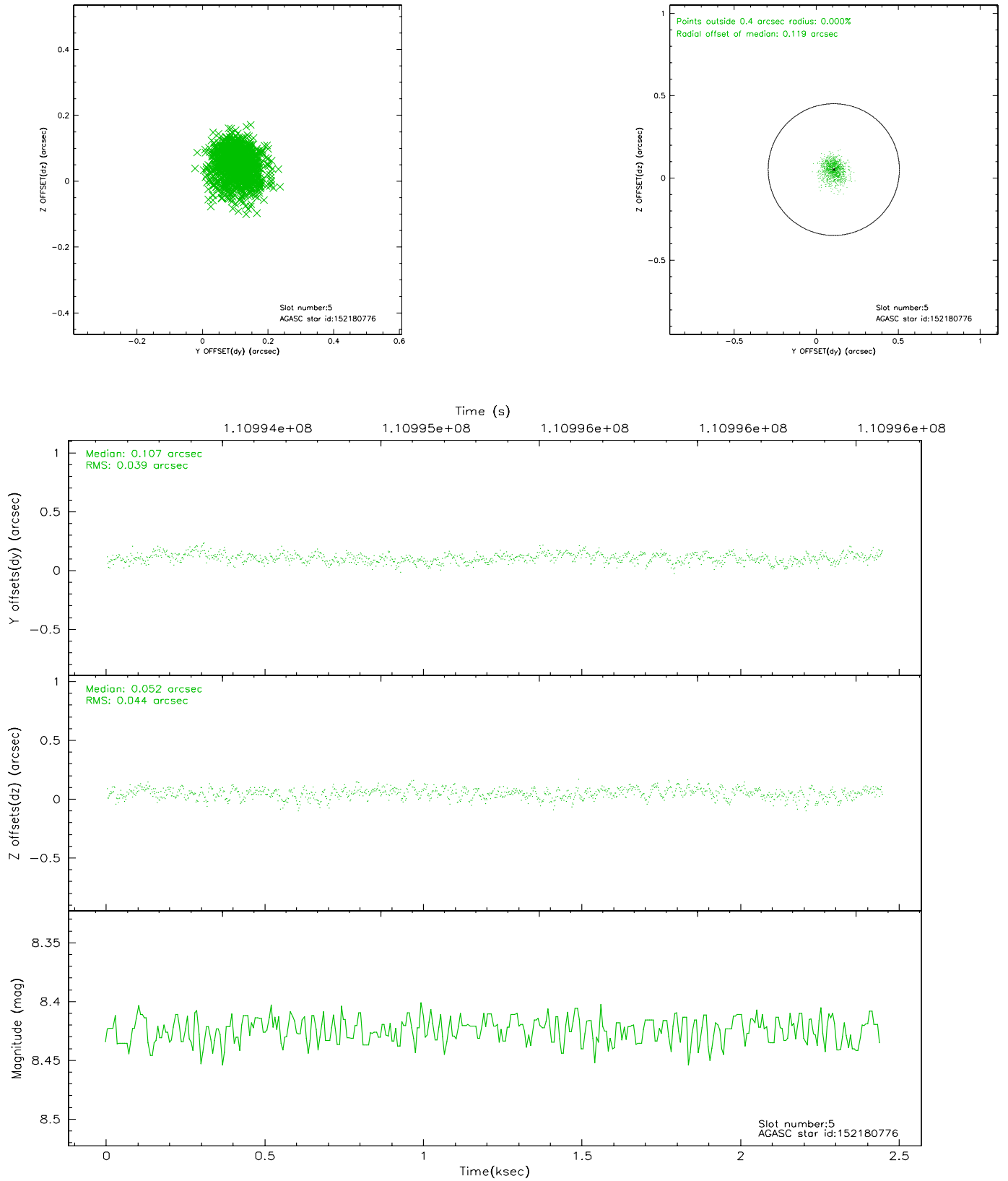
### 2.4.1 Slot 3



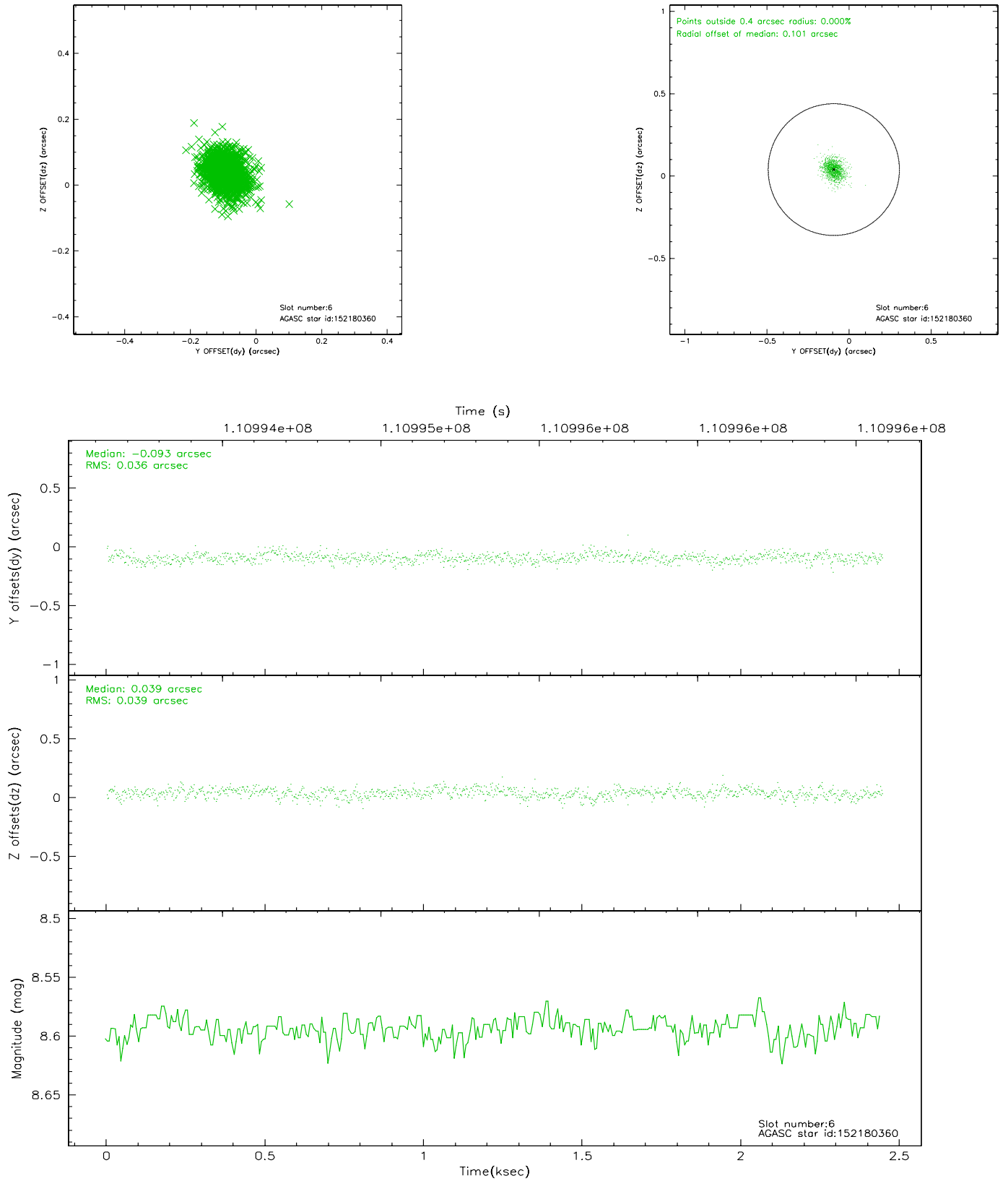
## 2.4.2 Slot 4



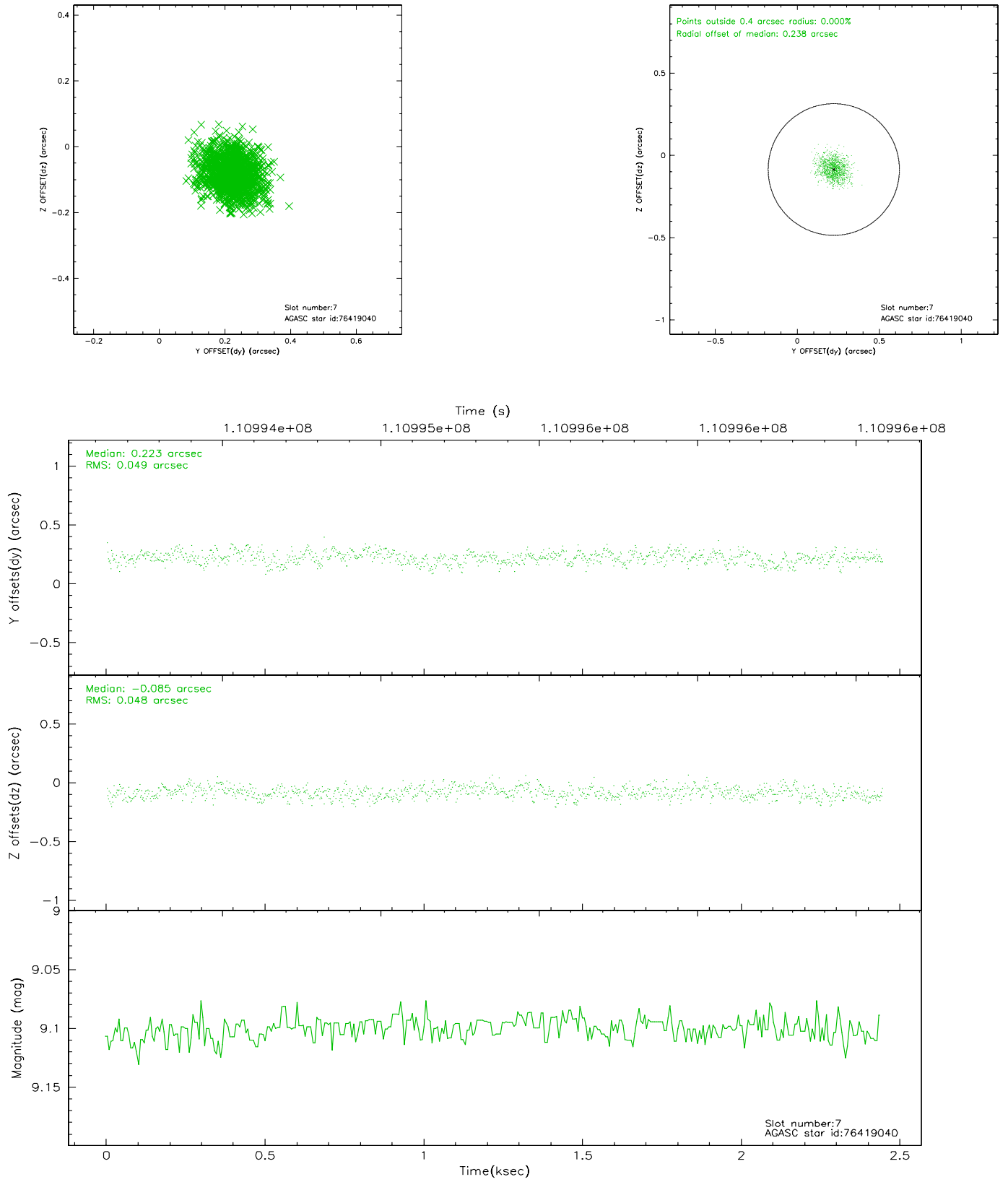
### 2.4.3 Slot 5



## 2.4.4 Slot 6

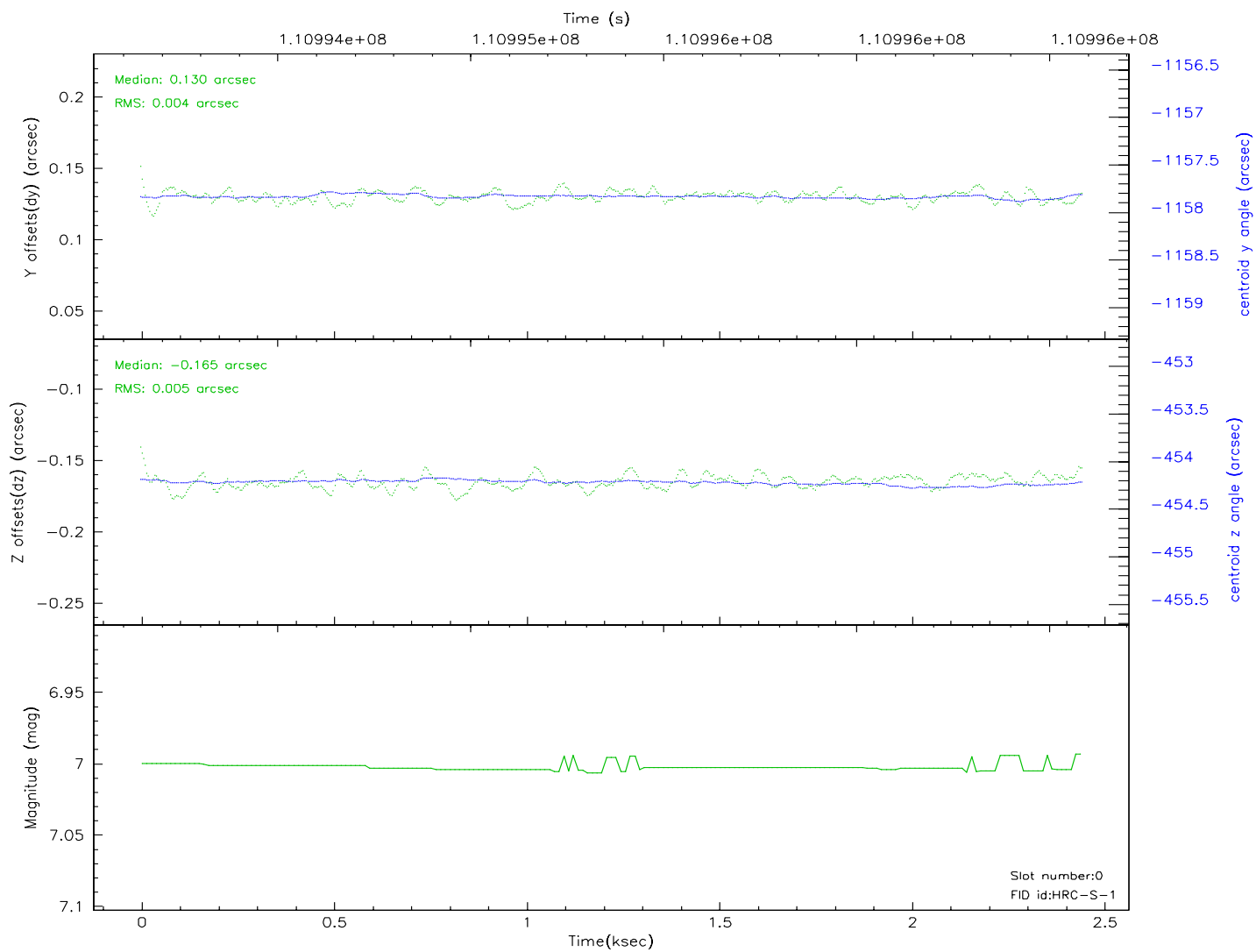
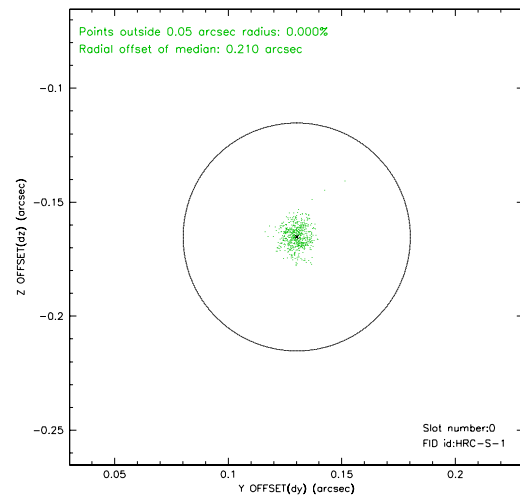
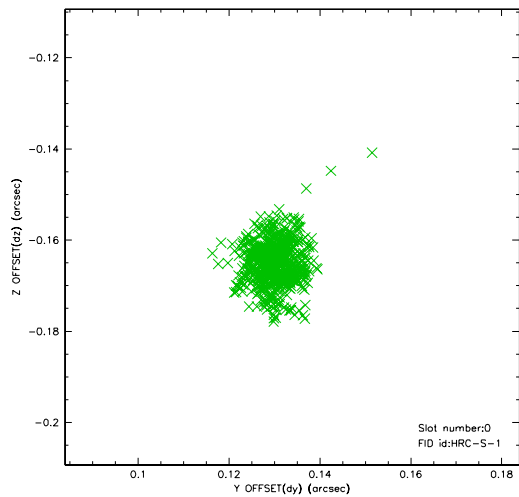


## 2.4.5 Slot 7

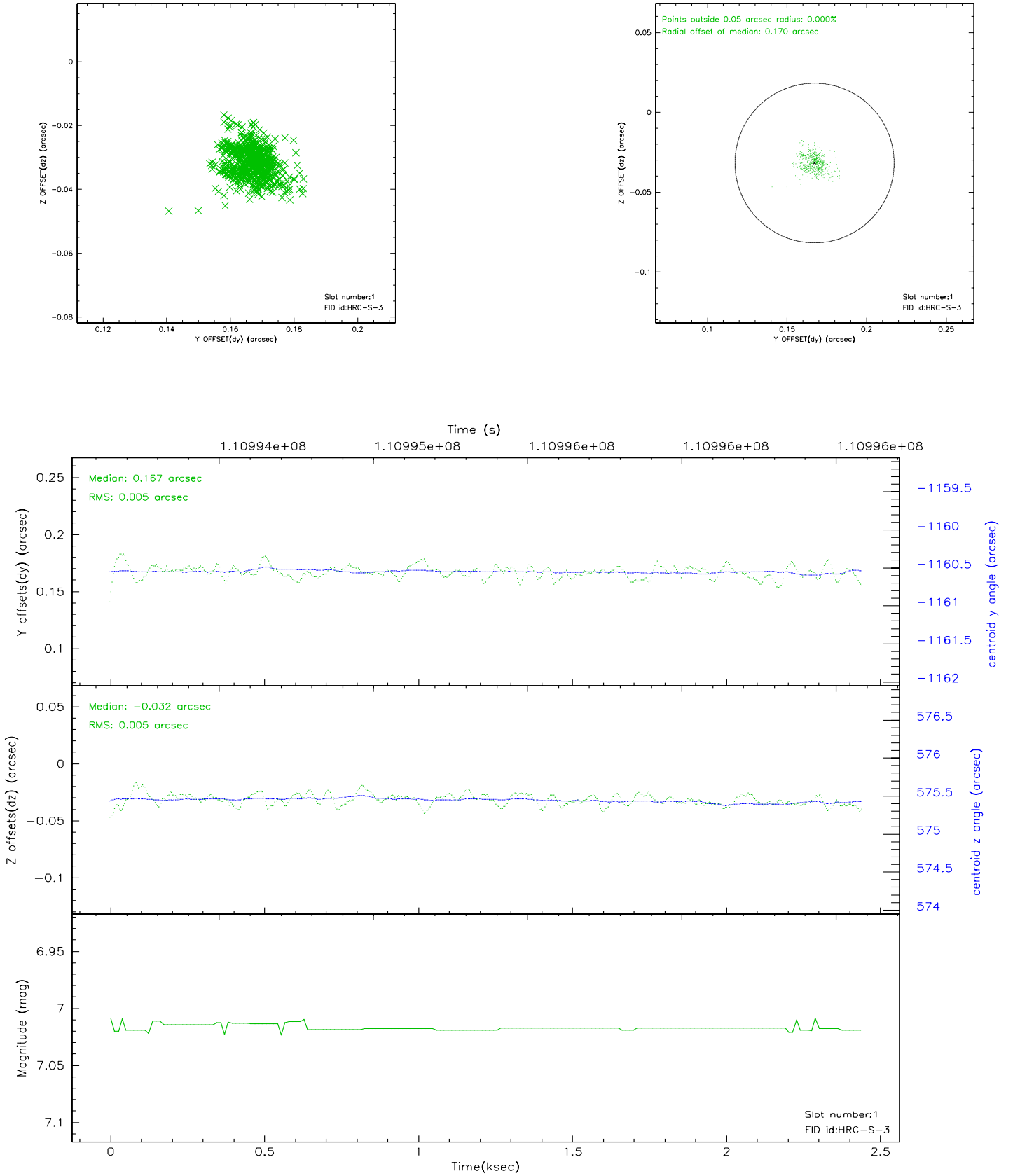


## 2.5 FID Slots

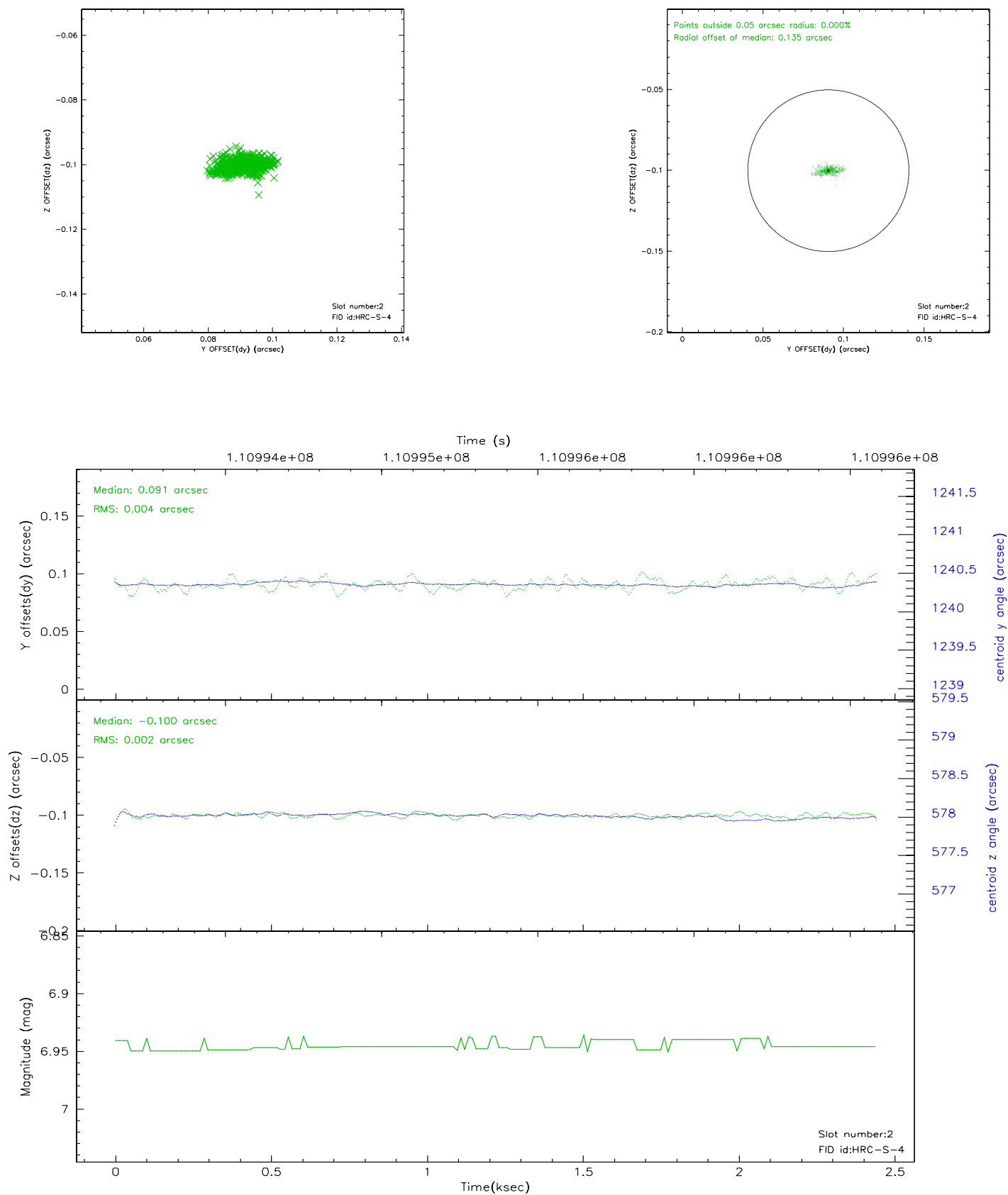
### 2.5.1 Slot 0



## 2.5.2 Slot 1



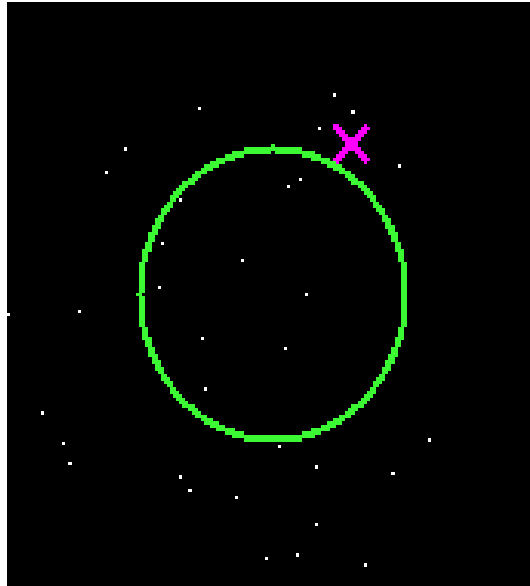
## 2.5.3 Slot 2



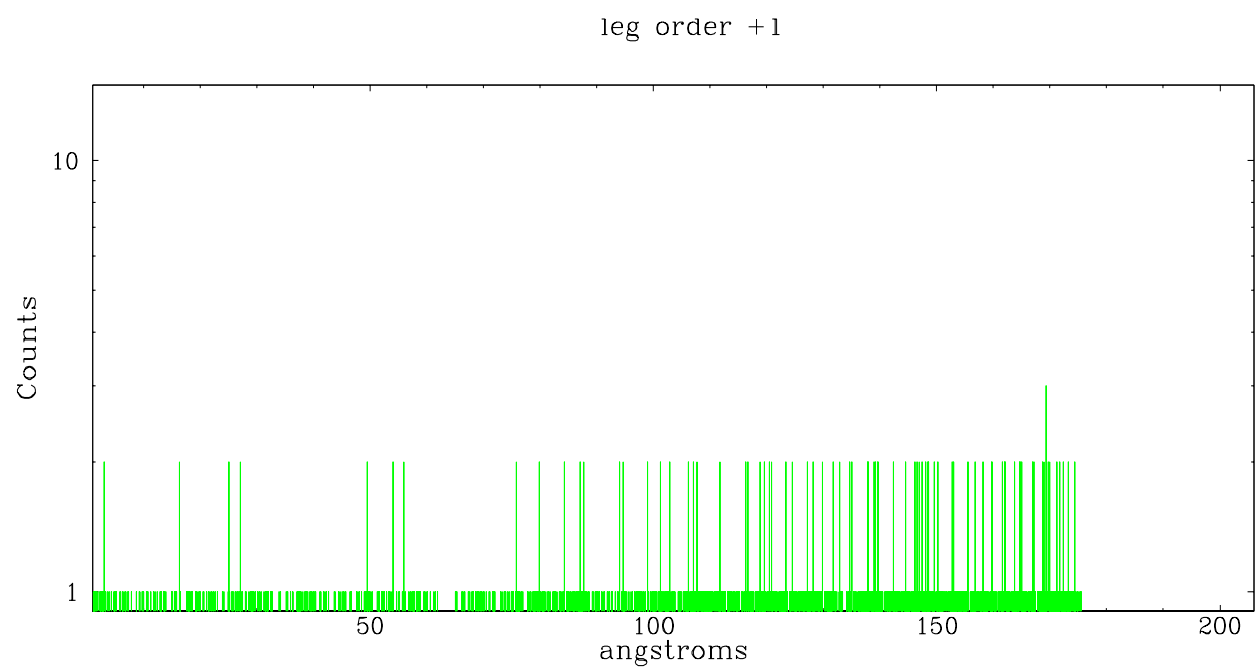
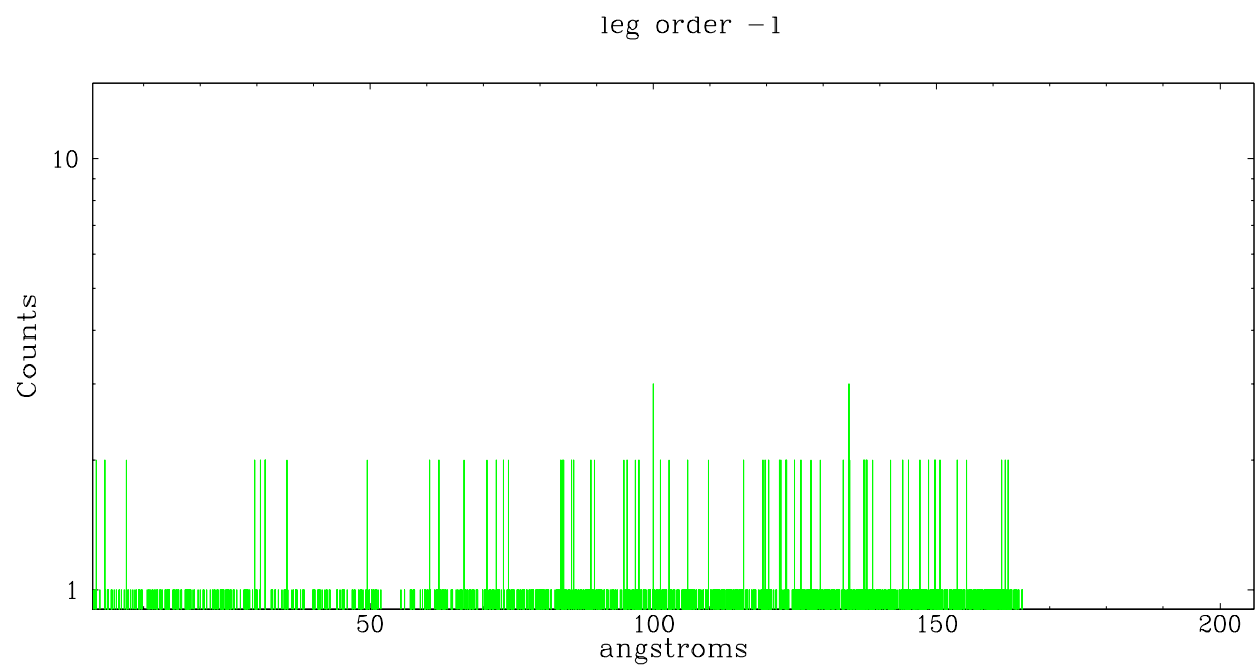


## 3 Gratings

### 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	2.4

## 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.