

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1879 - L2 Version 001  
Chandra X-Ray Center

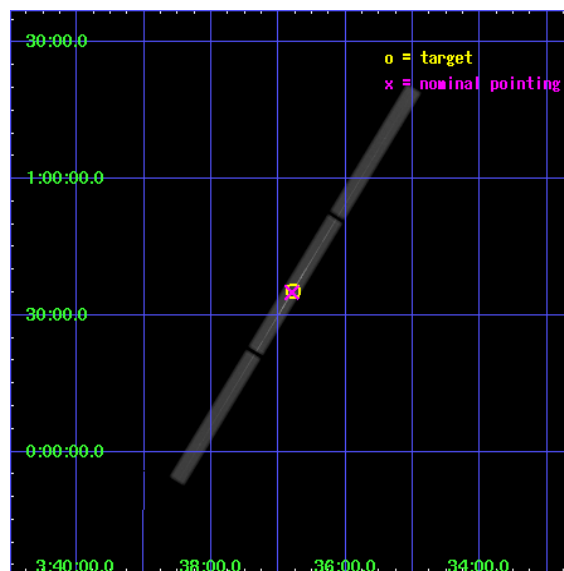
L2 Processing Date : Nov 3 2006

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# 1 Front

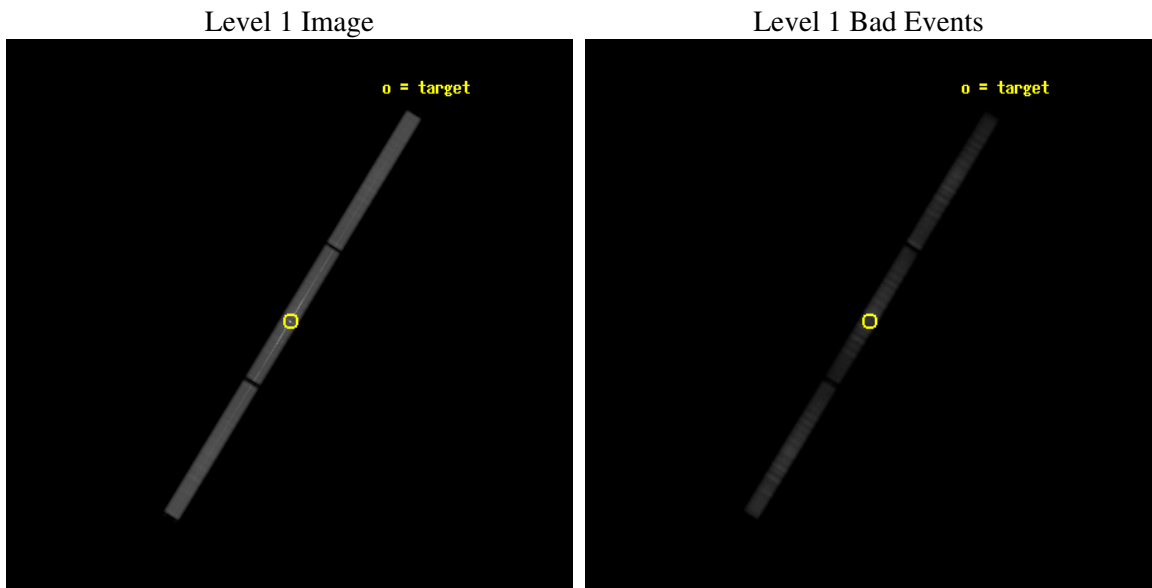
seq_num	200107
obs_id	1879
title	THE COOL AND HOT CORONAE OF HR 1099
observer	Dr. Manuel Guedel
object	HR 1099, V711 TAU
ra_targ	54.197083
dec_targ	0.58775
ra_nom	54.199434446377
dec_nom	0.58353445324715
roll_nom	301.45337685825
revision	3
ontime	95422.634910822
livetime	94897.399189051
l2events	3959856



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



## 2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-11-02T20:21:38
revision	3

sched_exp_time	95500.000000
ontime	95502.328664869
l1events	5962424

## 2.1.3 Events

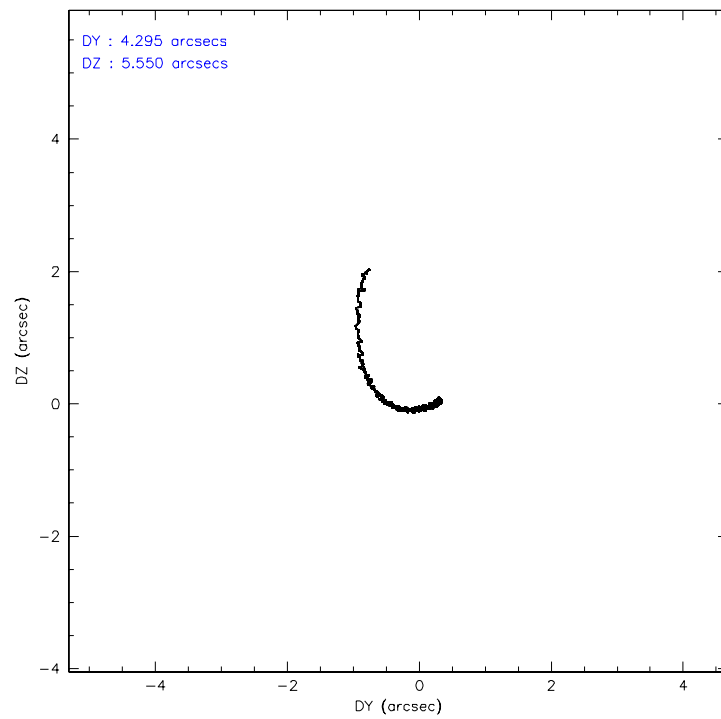
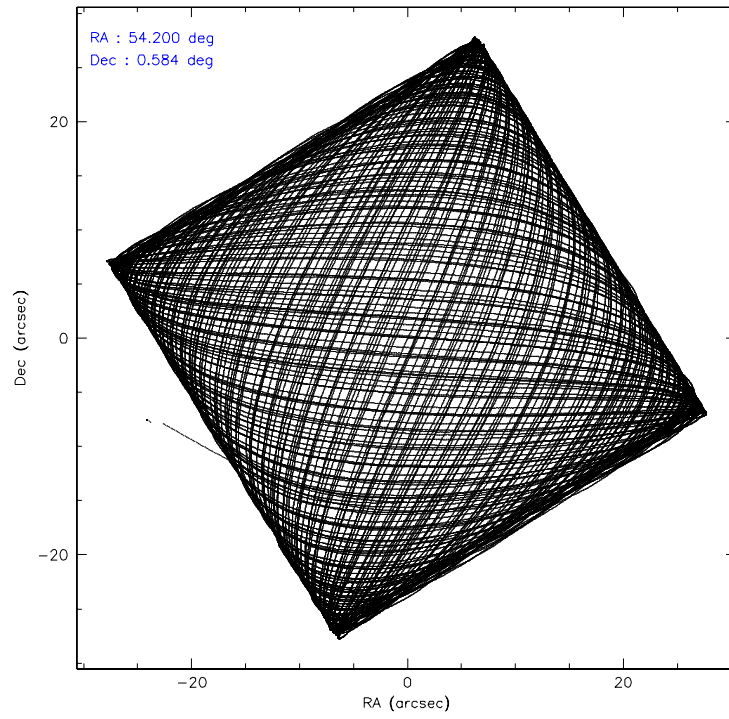
### Level 1 Events

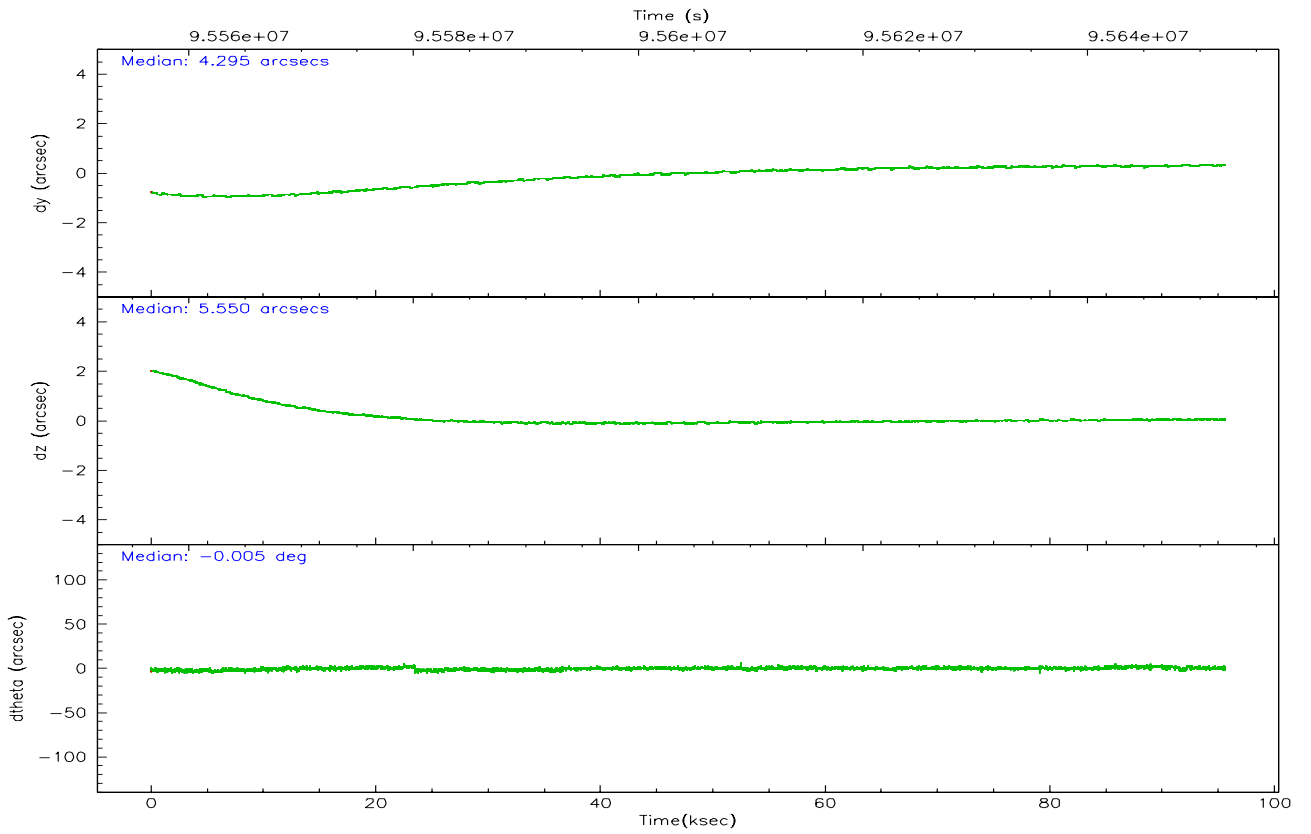
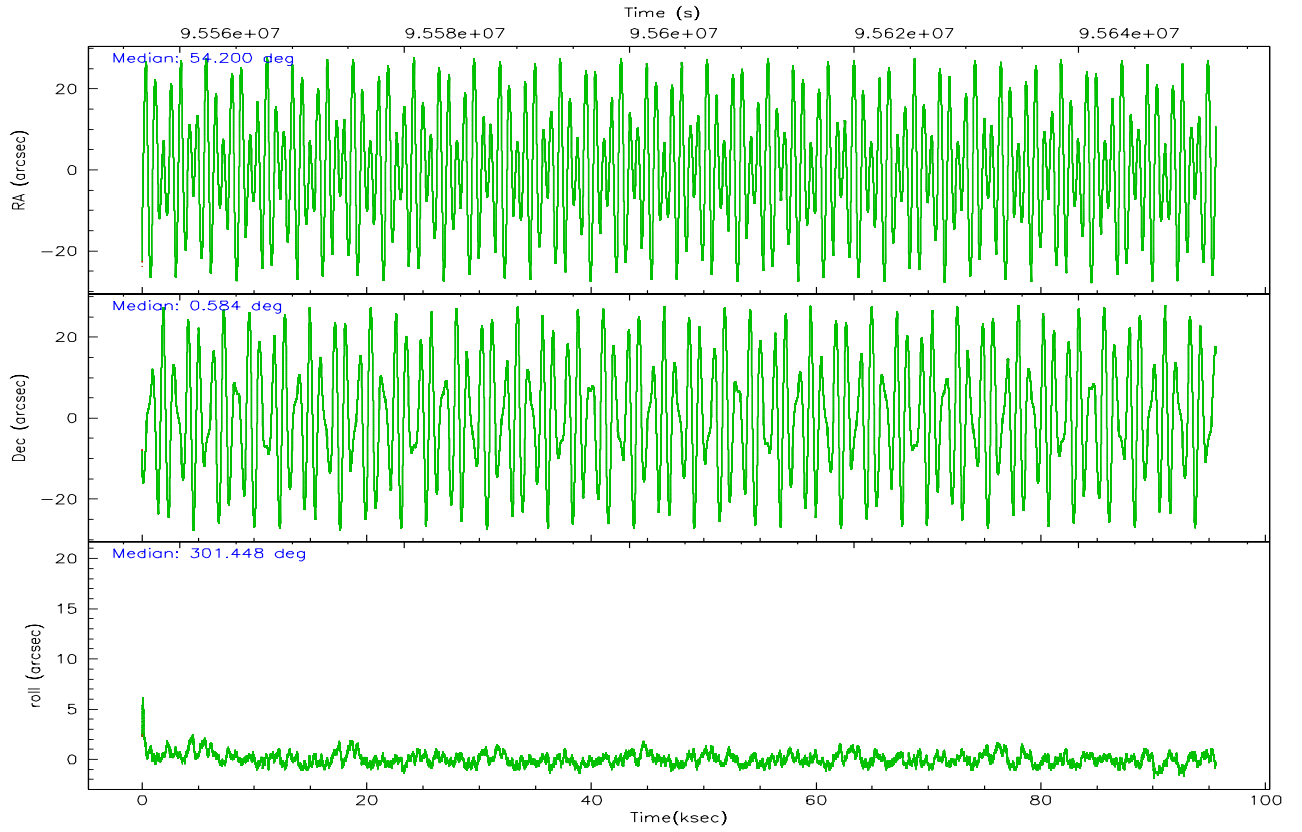
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1877192	2199389	1885843
rejected events	457424	487842	550688
rejected %	24%	22%	29%

## 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	54.173639	54.19943444637661			
Pointing Dec	0.596100	0.5835344532471508			
Pointing Roll	301.386303	301.4533768582475			
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	95556756.184000	95555689.296792			
Observation start date	2001-01-10T23:31:32	2001-01-10T23:14:49			
Observation end time	95652256.184000	95653181.66303401			
Observation end date	2001-01-12T02:03:12	2001-01-12T02:19:41			

## 2.3 Aspect



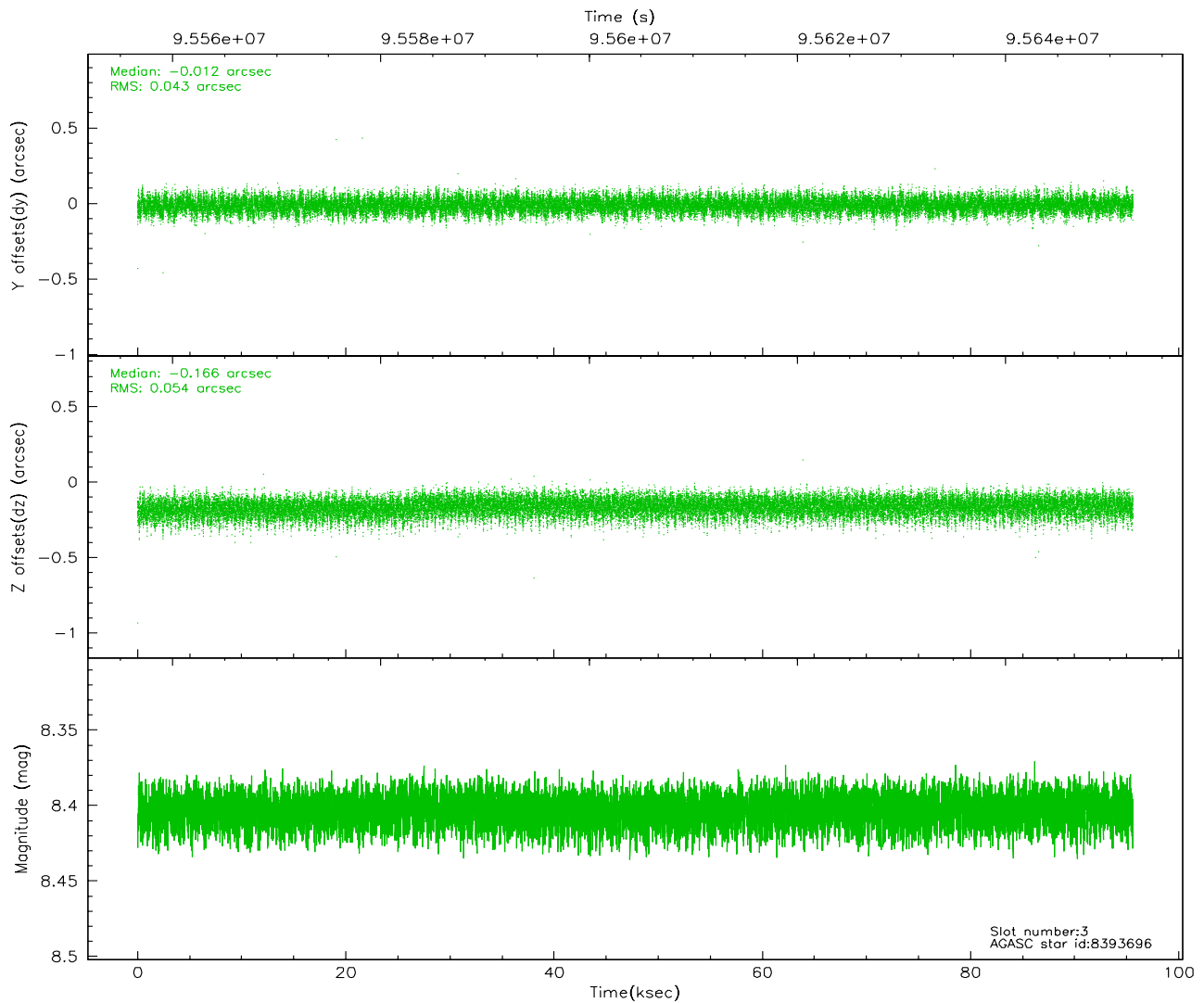
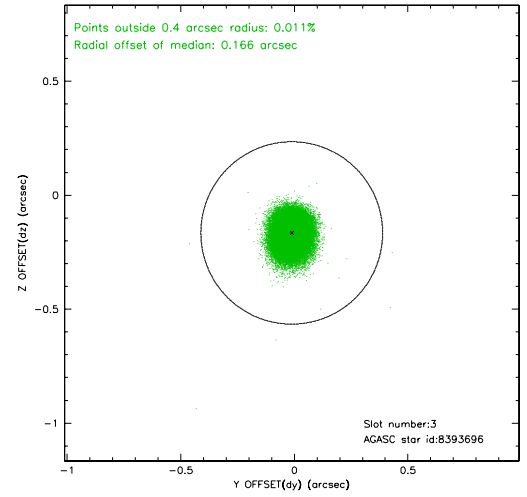
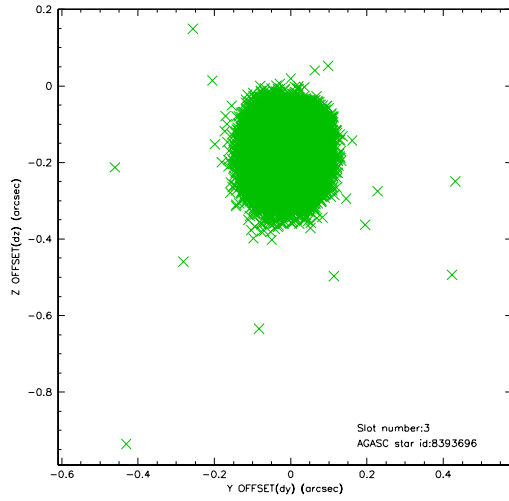


### Slot Statistics

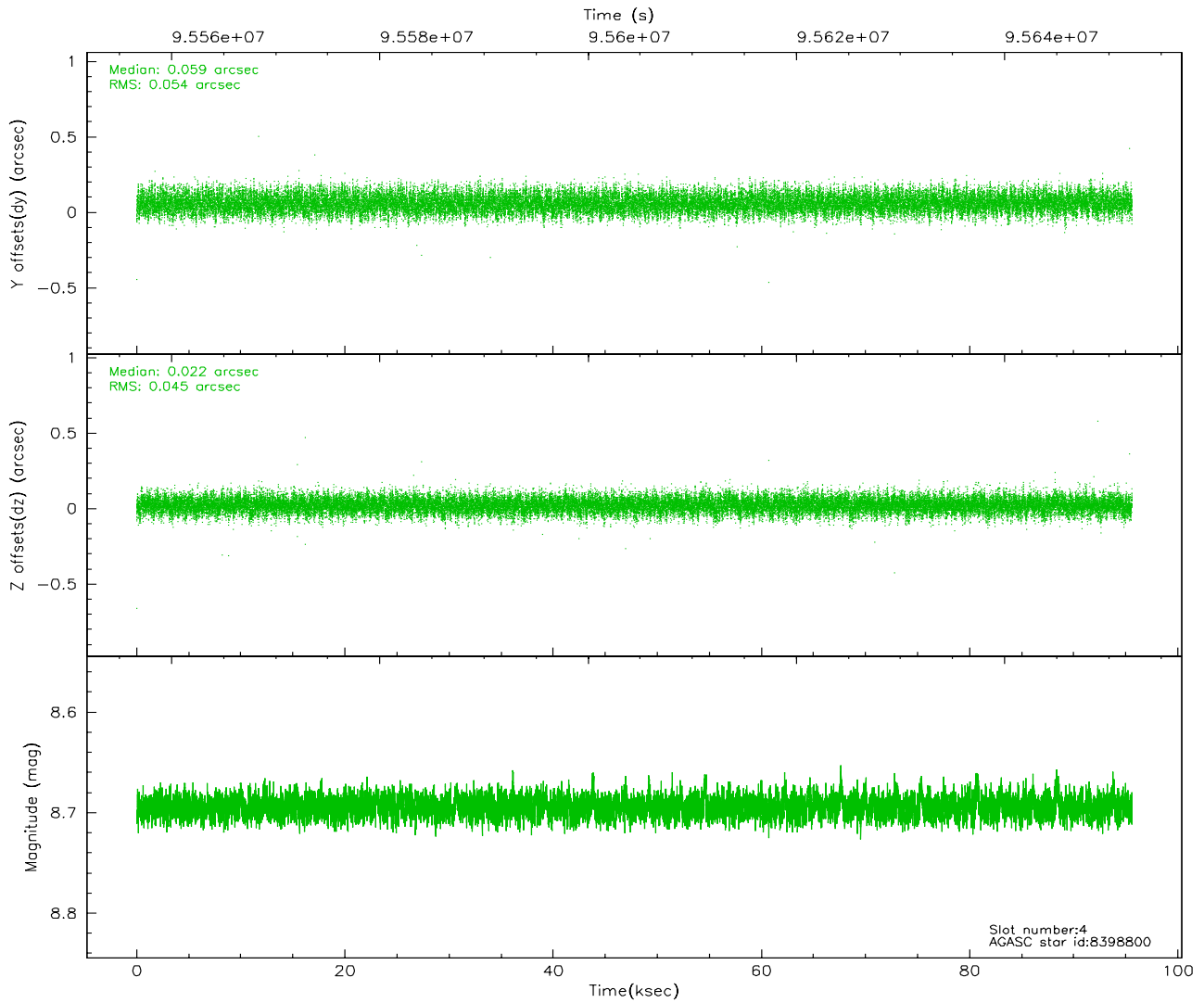
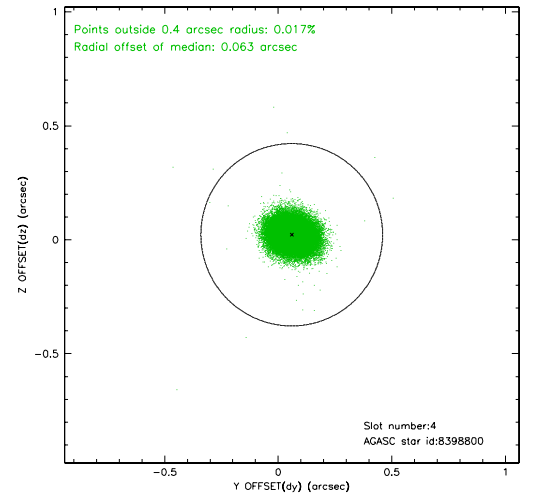
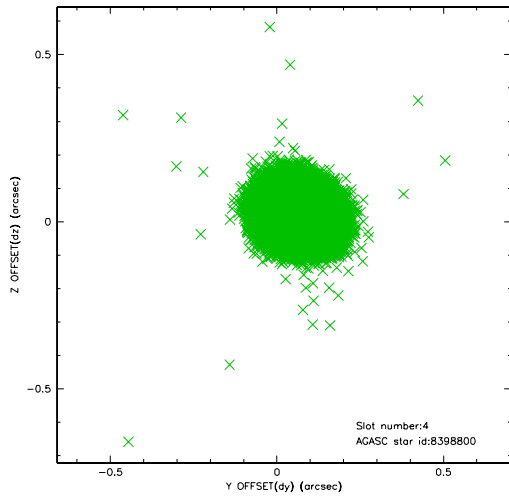
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	23320	0.122	-0.163	0.010	0.069	0.000000	0.000000	-1158.21	-454.32
1	FID	HRC-S-3	7.02	23321	0.182	-0.037	0.013	0.079	0.000000	0.000000	-1160.96	575.30
2	FID	HRC-S-4	6.96	23318	0.081	-0.097	0.010	0.046	0.000000	0.000000	1239.93	577.94
3	GUIDE	8393696	8.40	46636	-0.012	-0.166	0.074	0.119	53.645666	0.680479	-1249.34	-1464.78
4	GUIDE	8398800	8.69	46629	0.059	0.022	0.074	0.120	54.242352	0.922024	-873.13	821.88
5	GUIDE	8395104	8.68	46635	0.028	0.033	0.118	0.203	54.744893	0.796520	454.51	2131.15
6	GUIDE	8390744	9.01	46631	0.011	-0.074	0.076	0.122	53.677290	0.926294	-1945.49	-906.56
7	GUIDE	8398376	9.12	46543	-0.086	0.182	0.124	0.195	54.366184	1.480689	-2358.32	2249.84

## 2.4 Star Slots

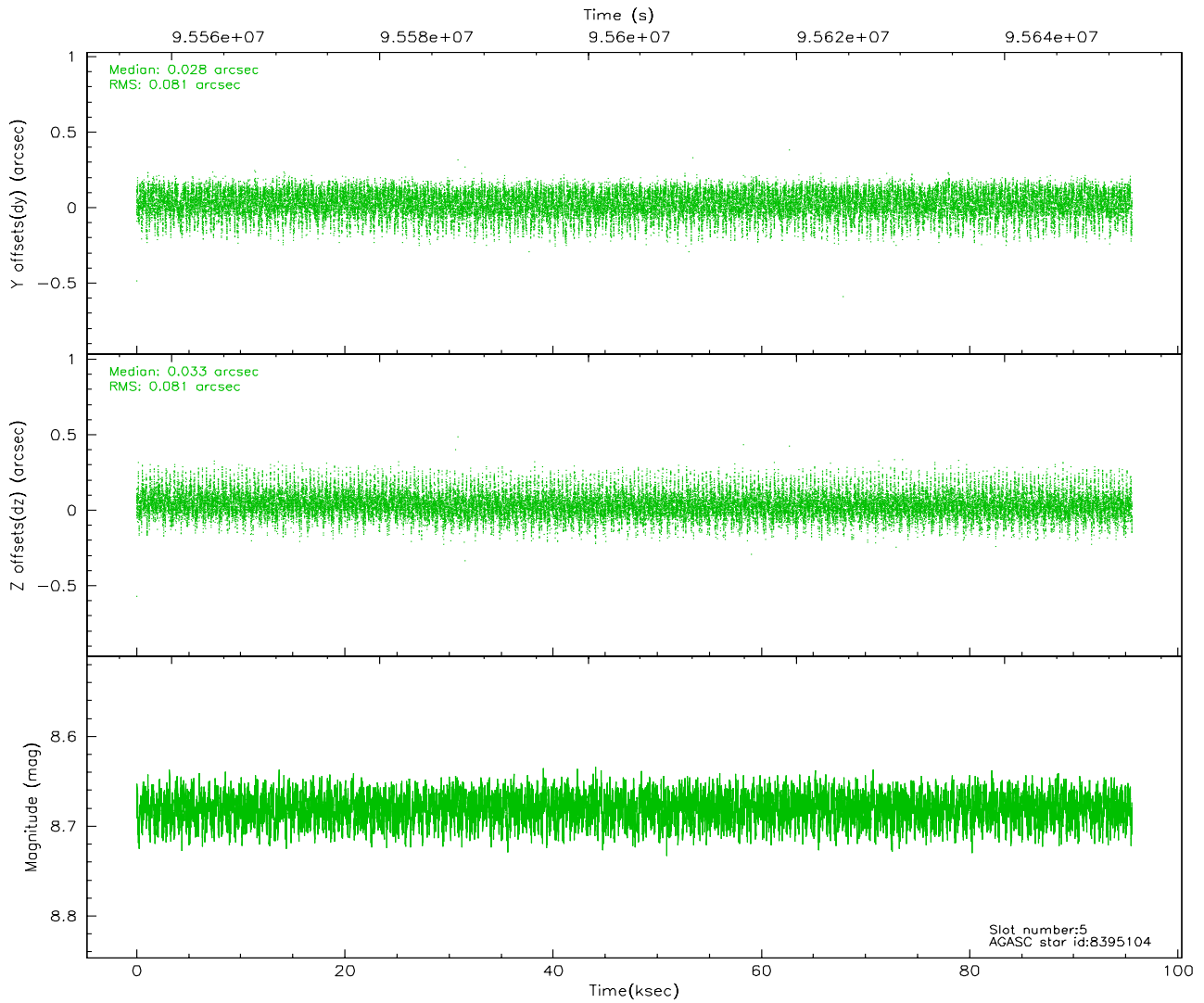
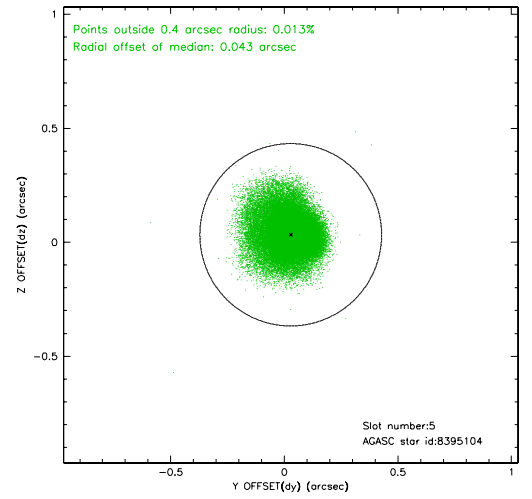
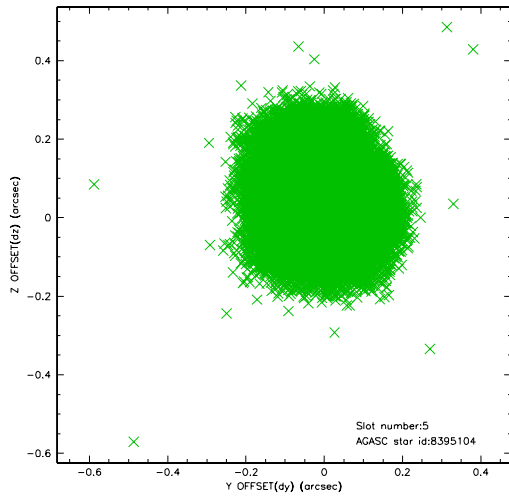
### 2.4.1 Slot 3



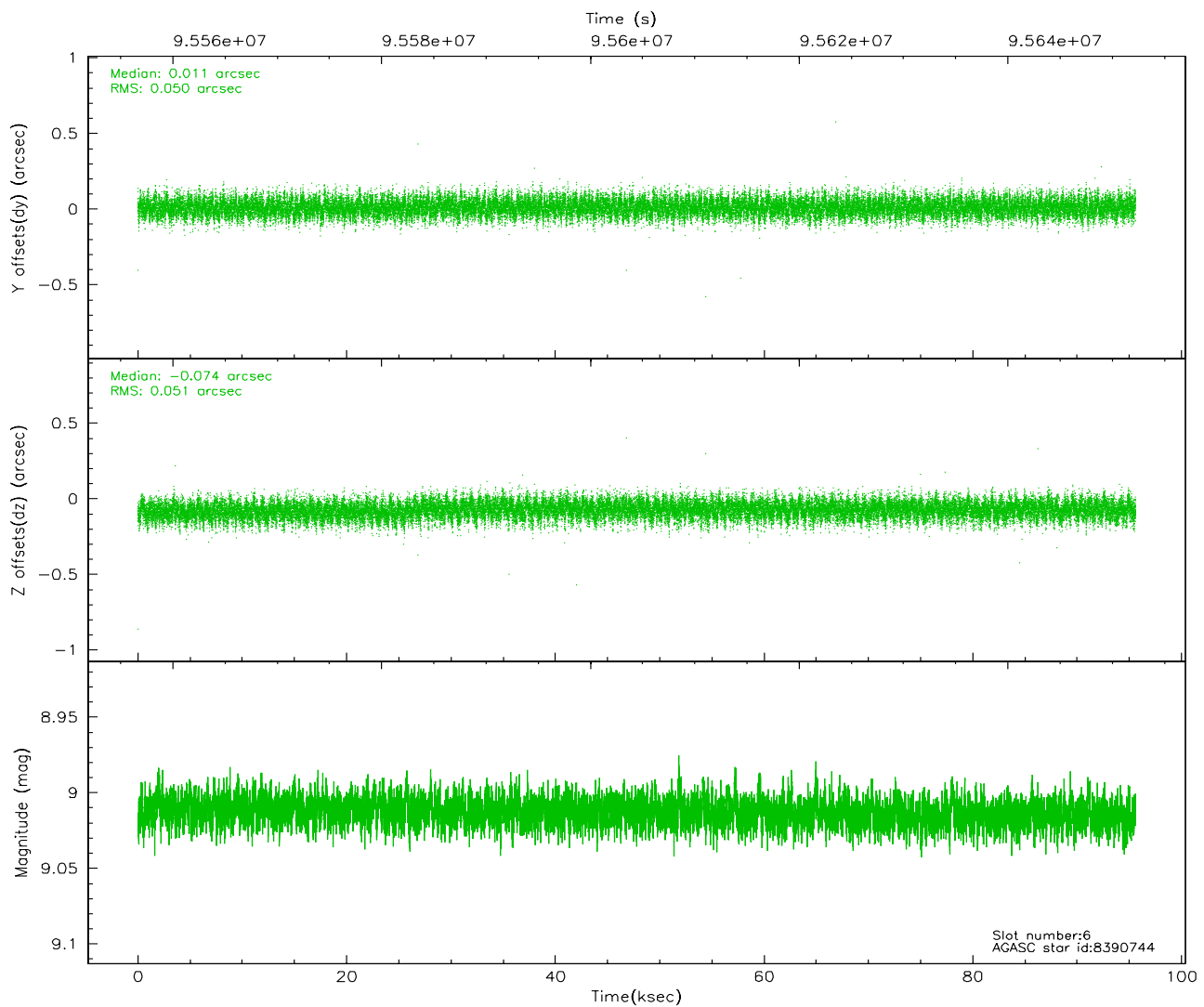
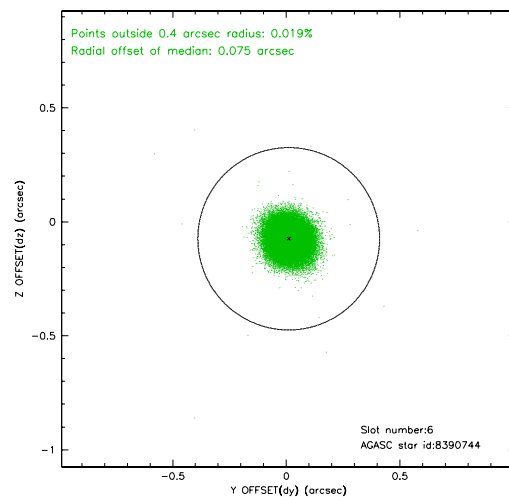
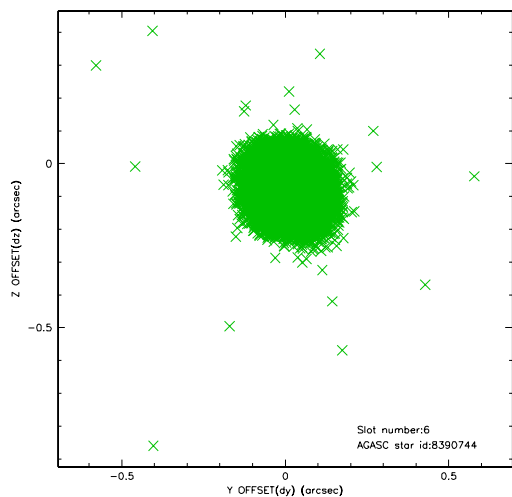
## 2.4.2 Slot 4



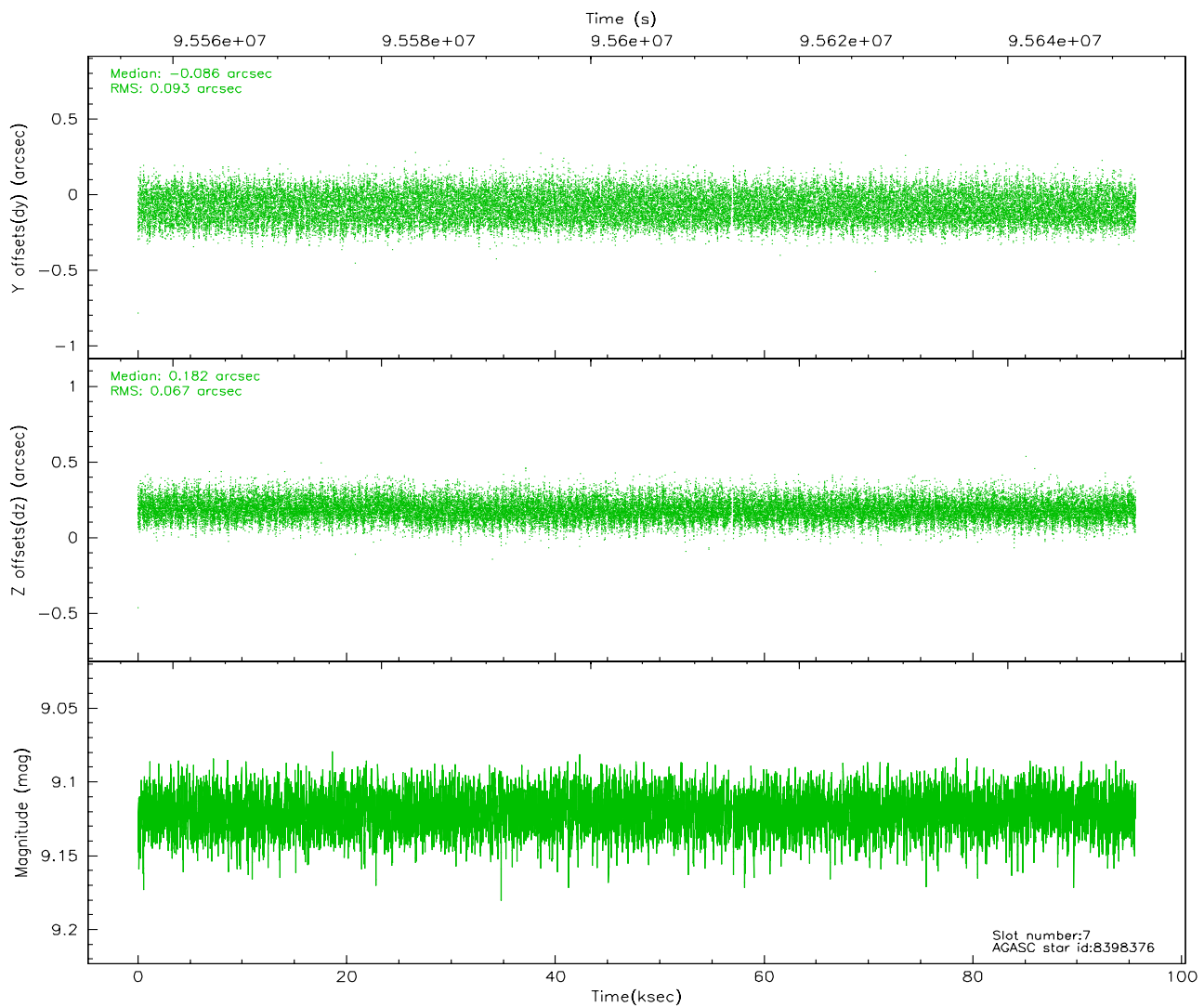
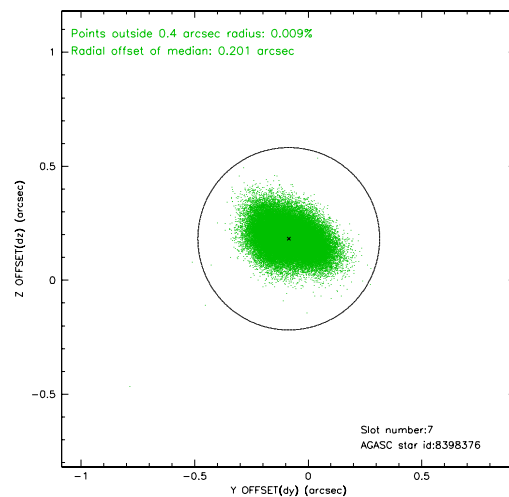
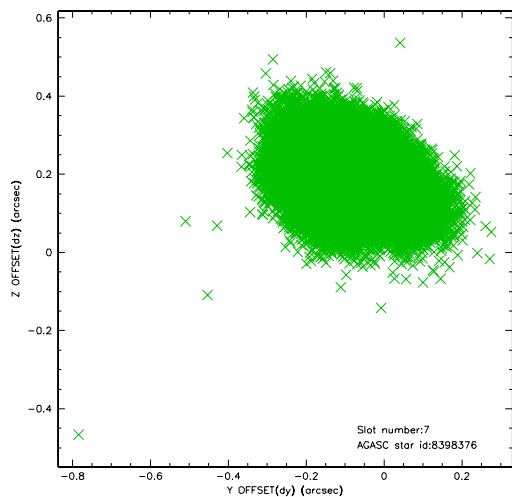
### 2.4.3 Slot 5



## 2.4.4 Slot 6

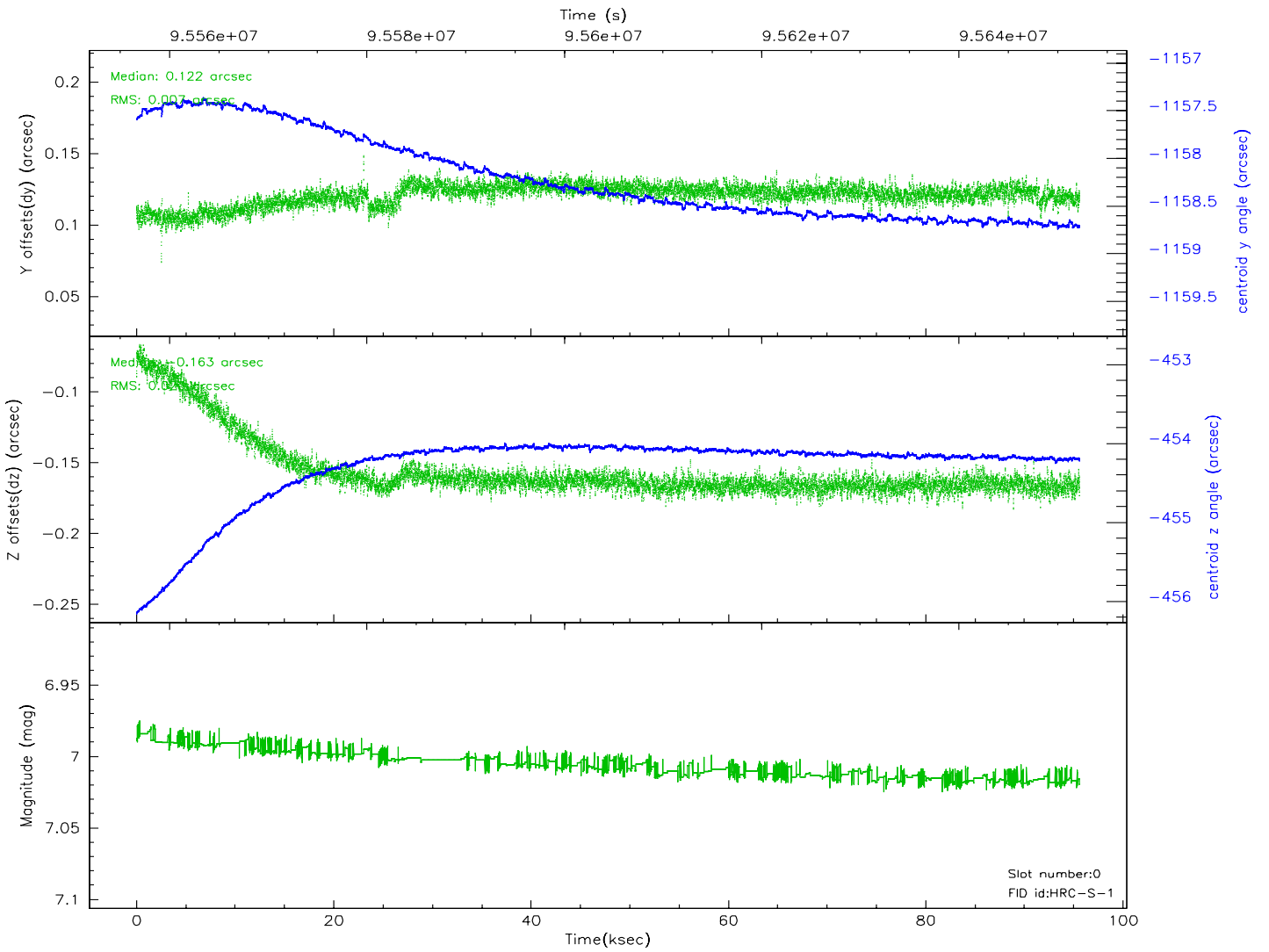
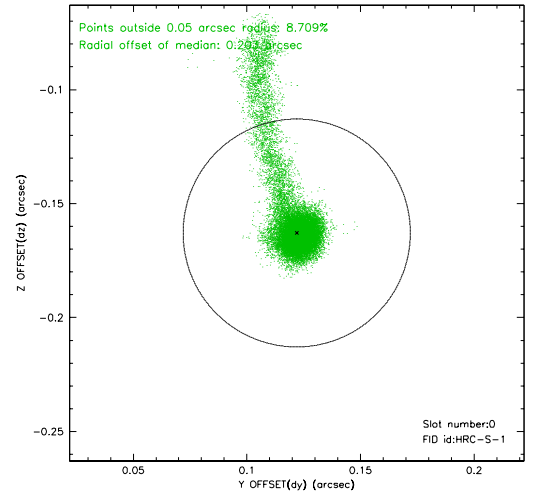
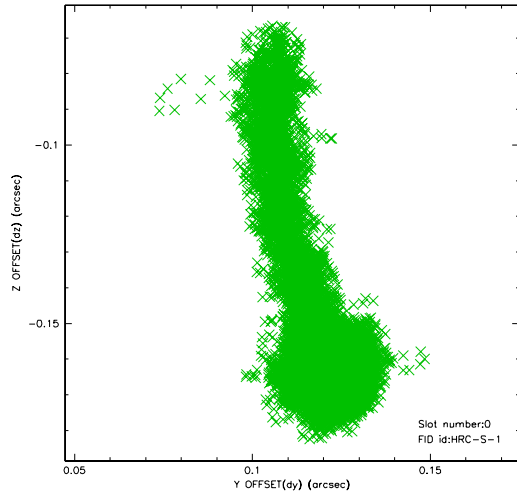


## 2.4.5 Slot 7

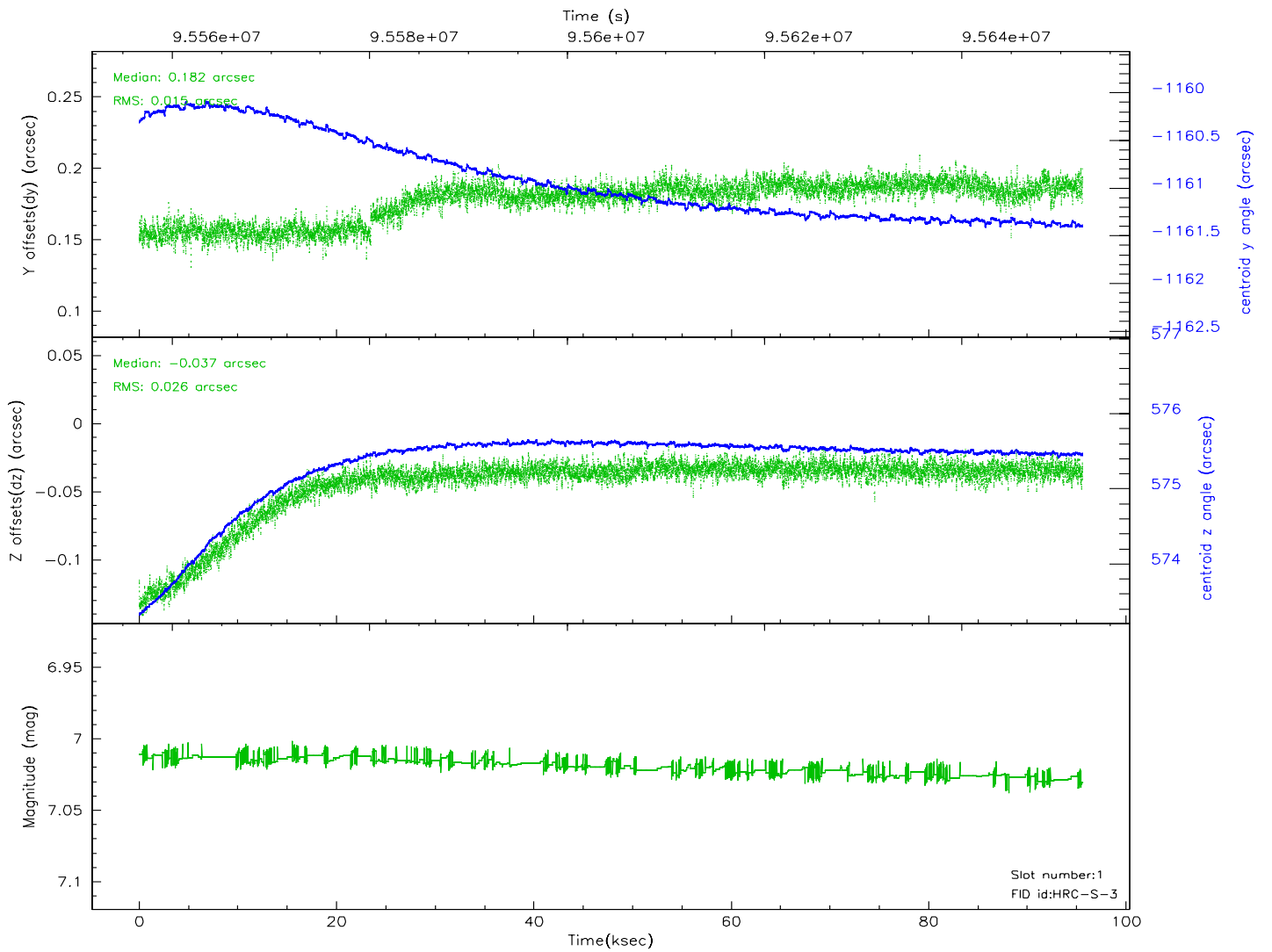
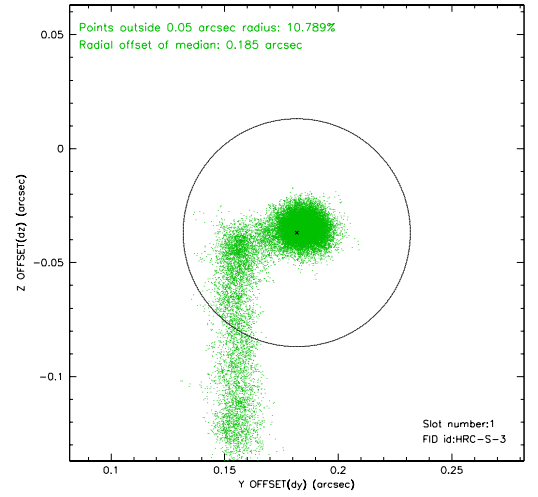
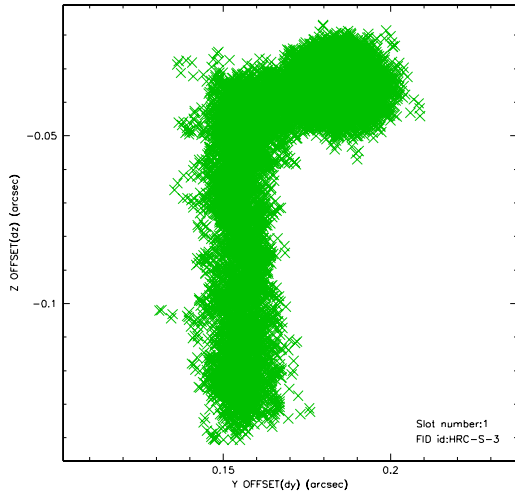


## 2.5 FID Slots

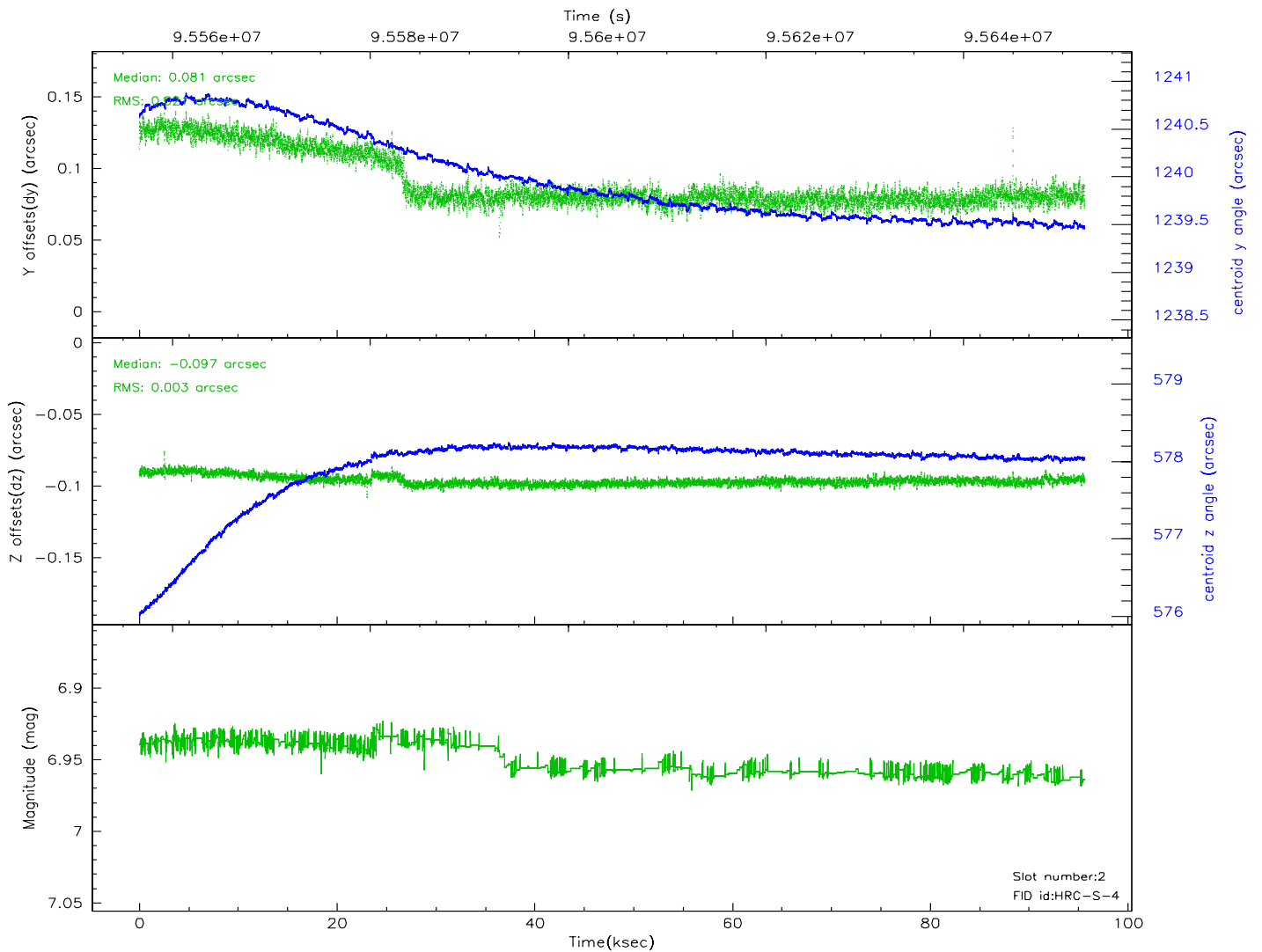
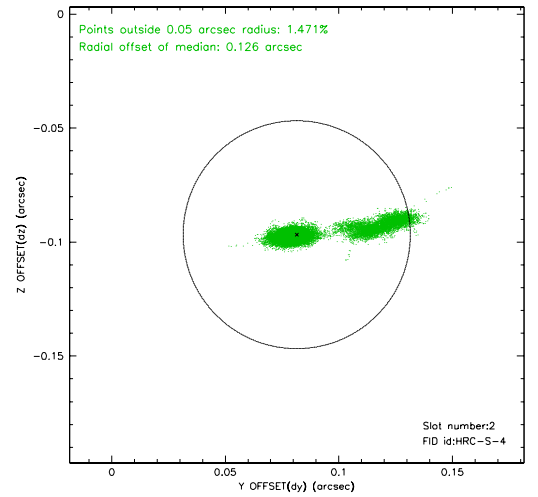
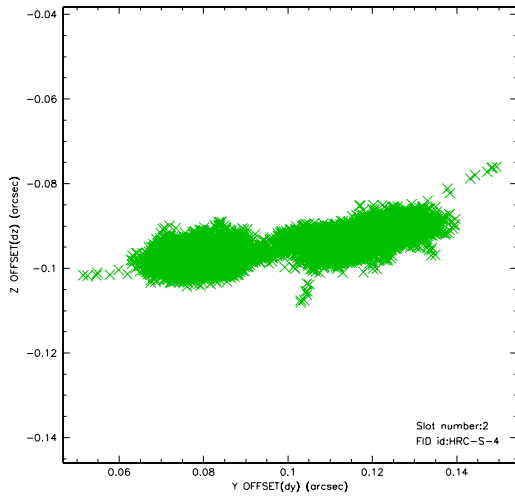
### 2.5.1 Slot 0



## 2.5.2 Slot 1

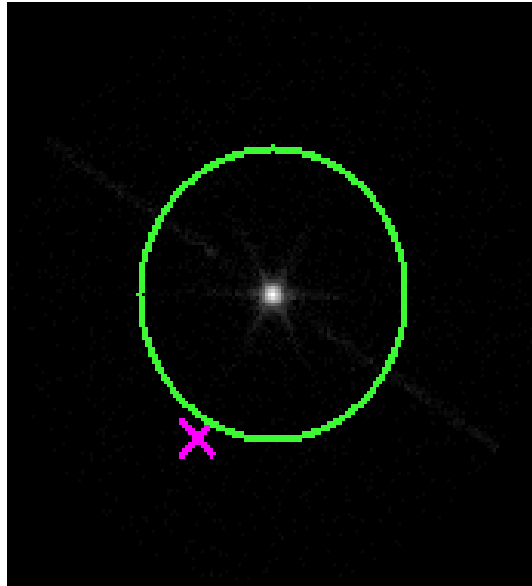


### 2.5.3 Slot 2



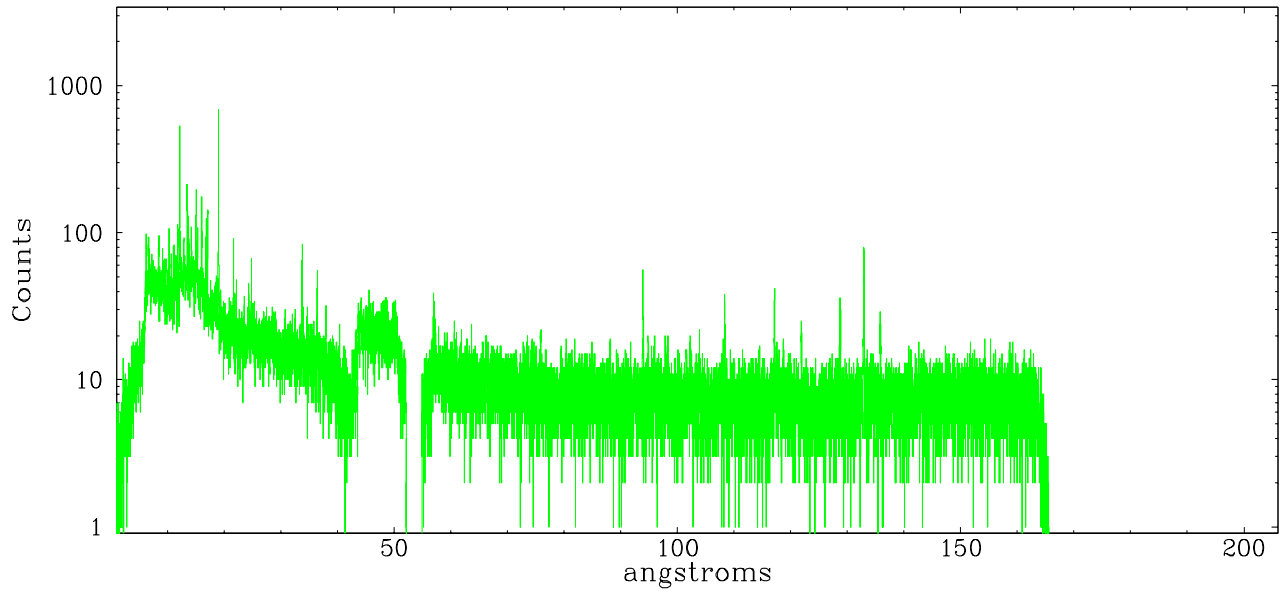
# 3 Gratings

## 3.1 LETG Arm

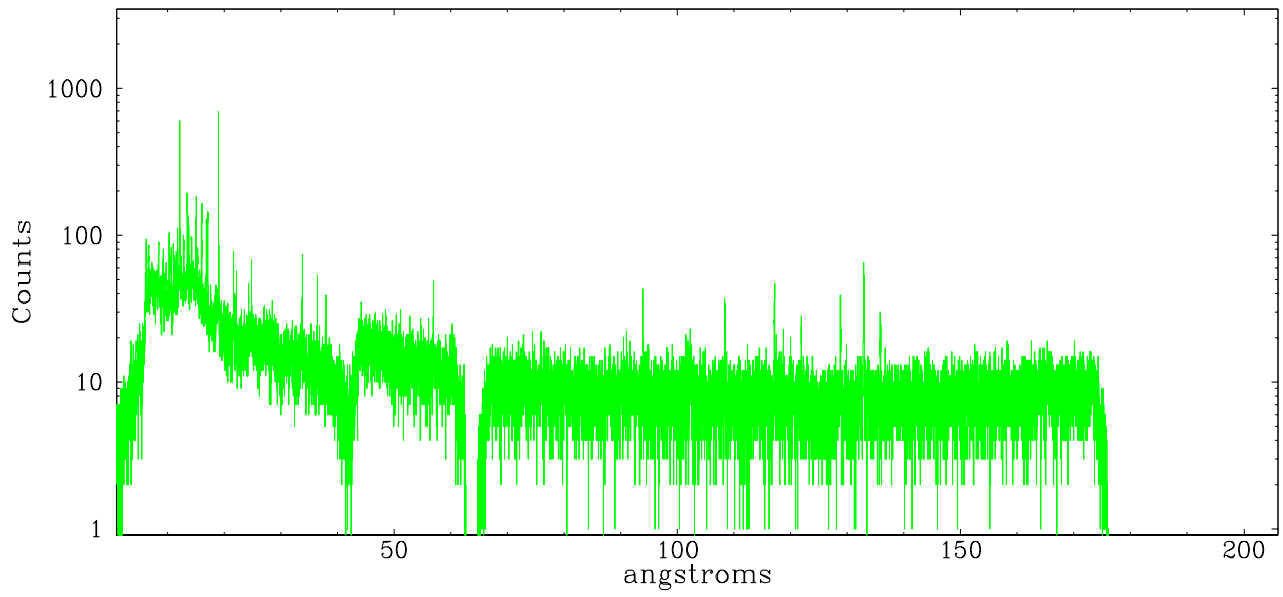


LETG Zero Order

leg order -1



leg order +1



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	95.391

## A.2 Comments