

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3145 - L2 Version 001  
Chandra X-Ray Center

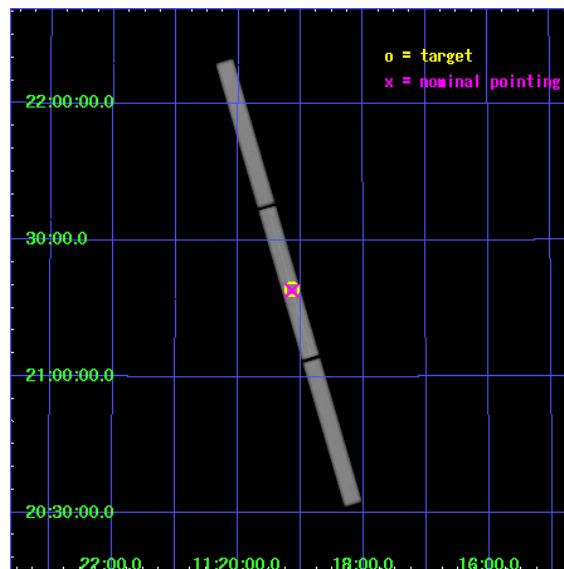
L2 Processing Date : Sep 21 2006

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# 1 Front

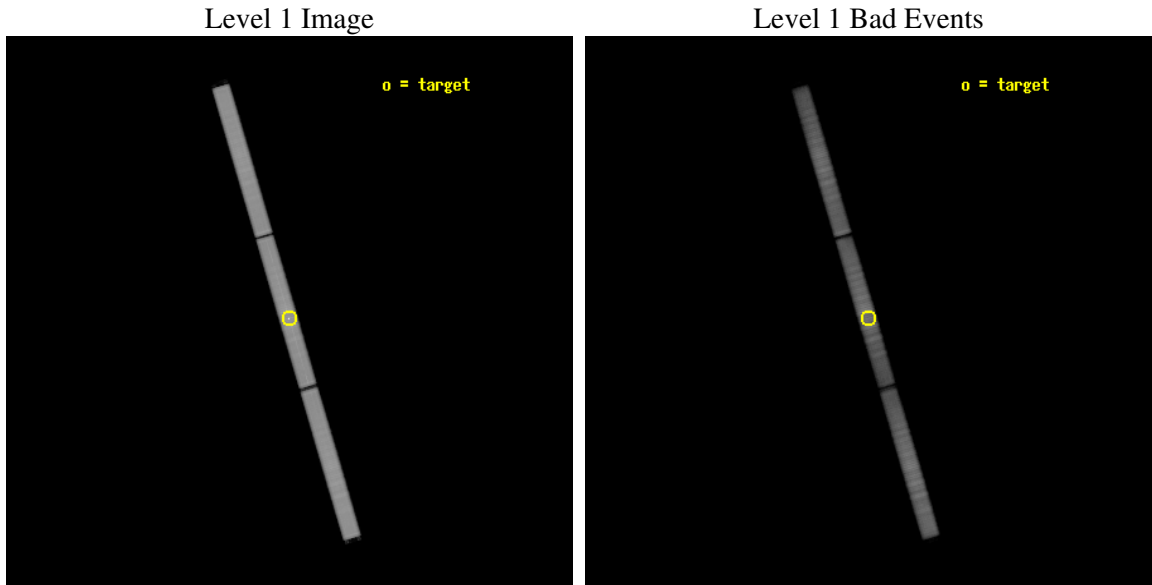
seq_num	700584
obs_id	3145
title	SOFT X-RAY EMISSION AND ABSORPTION IN TON 1388
observer	Dr Mariano Mendez
object	TON 1388
ra_targ	169.786667
dec_targ	21.321639
ra_nom	169.78510109648
dec_nom	21.317194041334
roll_nom	253.46150831281
revision	2
ontime	88581.784881204
livetime	88055.475046177
l2events	3821224



## 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	2006-09-21T08:10:08
revision	2

sched_exp_time	88500.000000
ontime	88619.709882915
l1events	5833403

## 2.1.3 Events

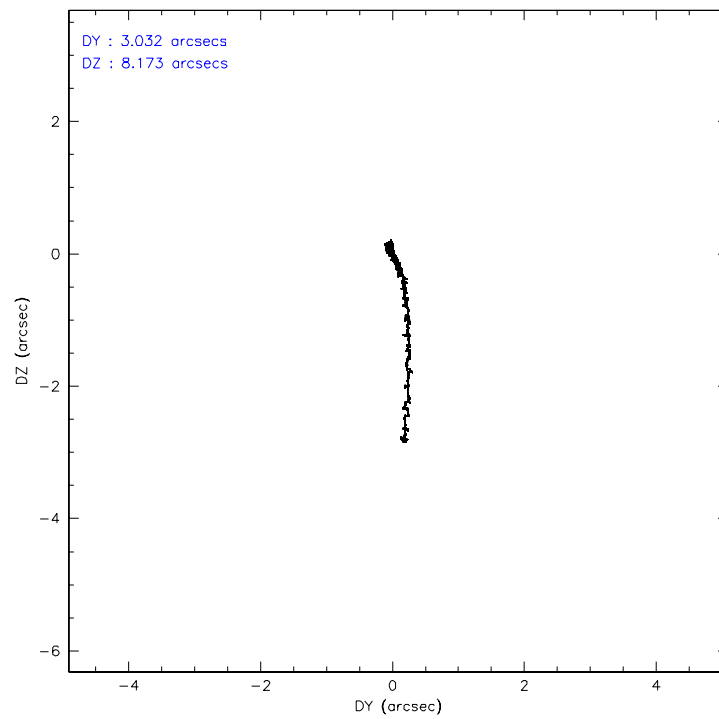
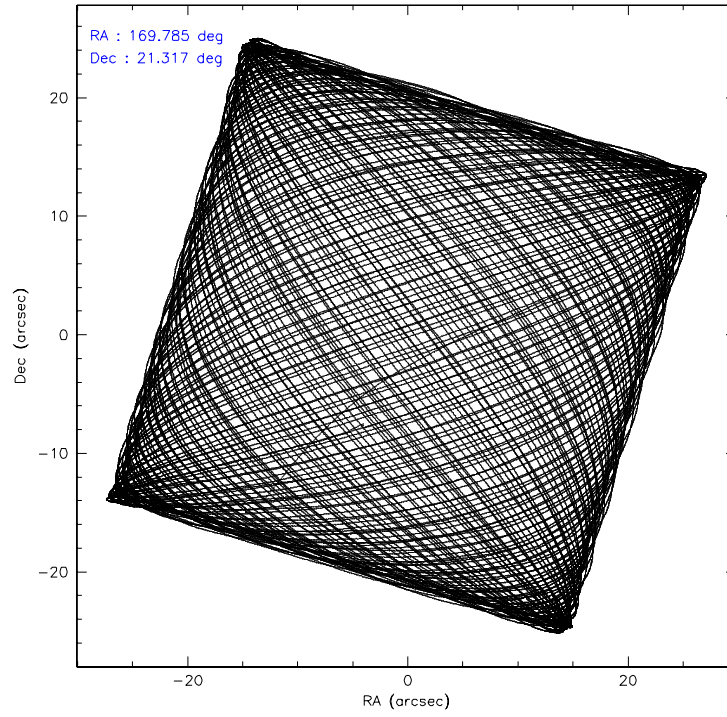
### Level 1 Events

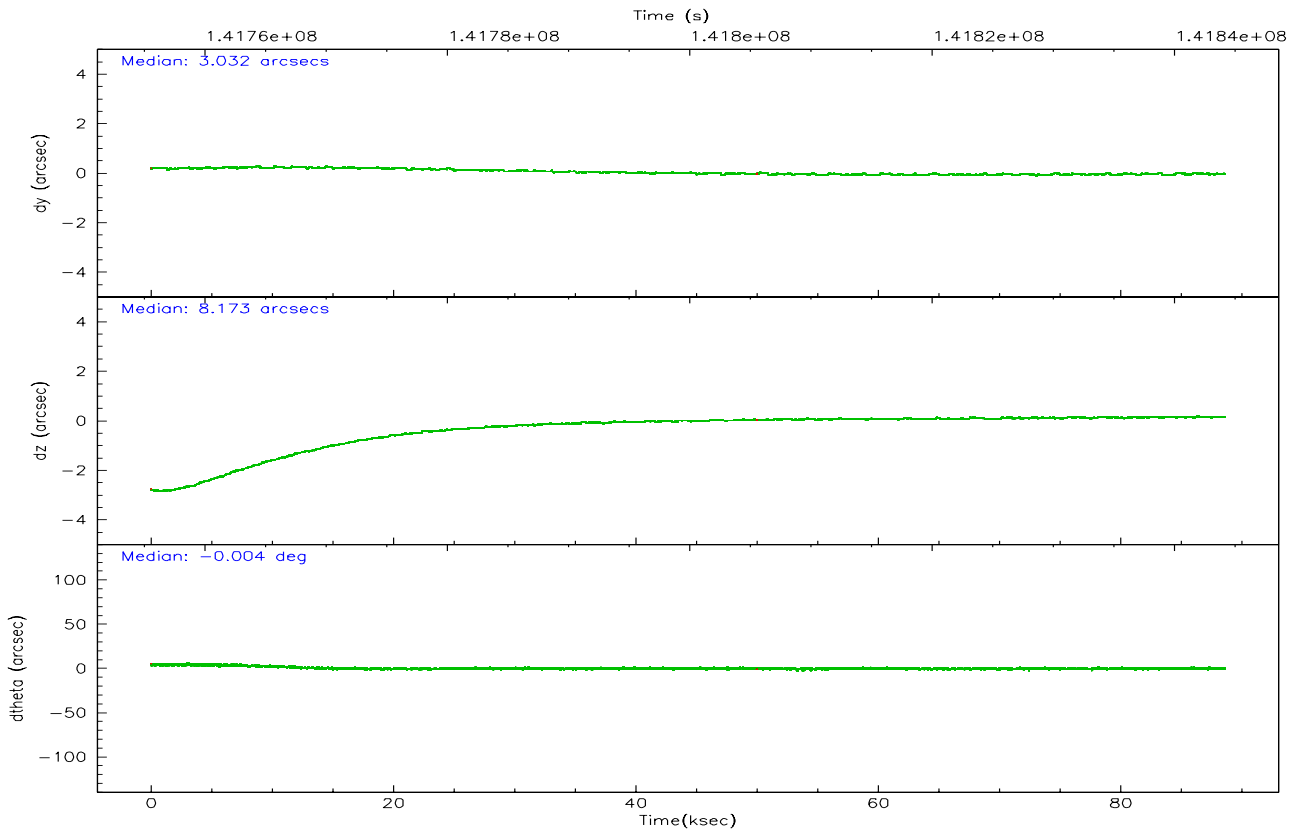
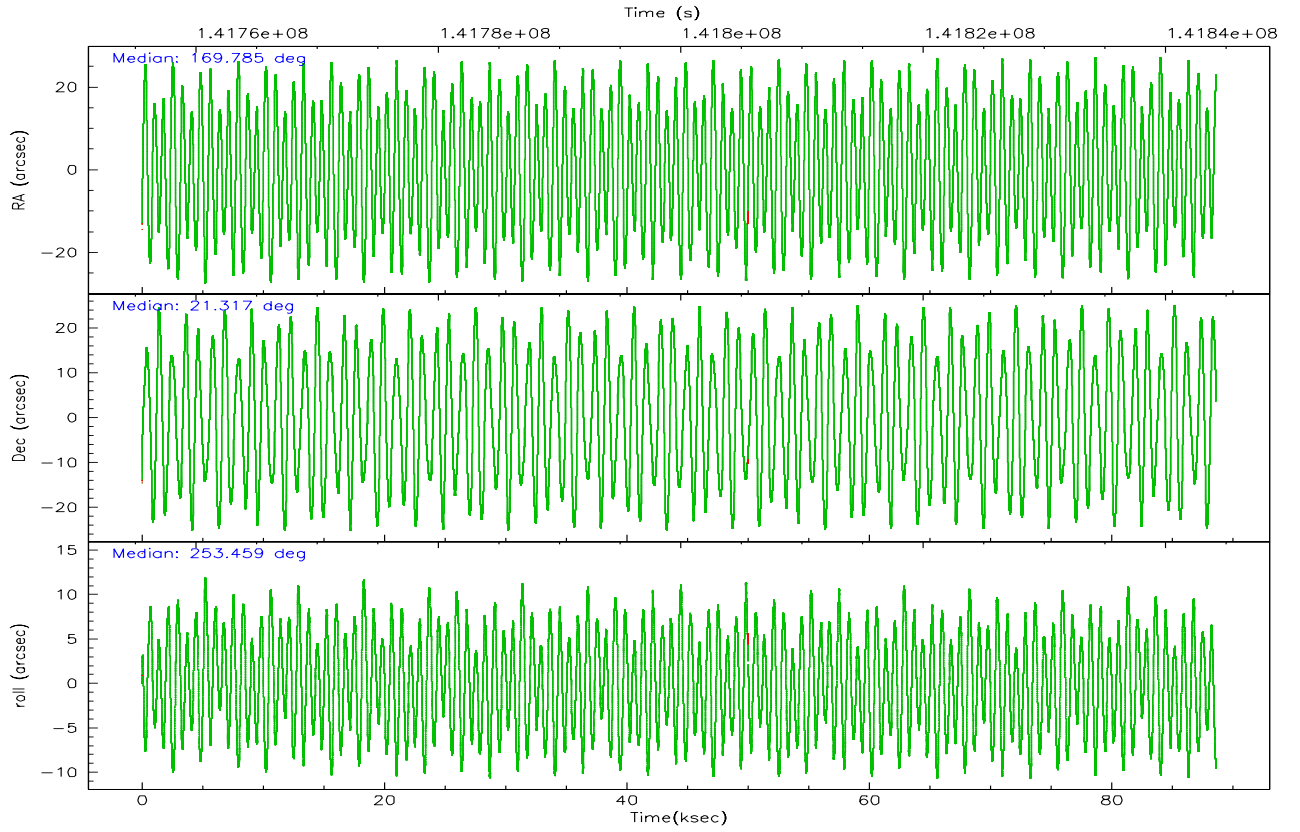
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1936409	1947227	1949767
rejected events	444096	477971	539175
rejected %	22%	24%	27%

## 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	169.776486	169.7851010964757			
Pointing Dec	21.344641	21.31719404133447			
Pointing Roll	253.397315	253.4615083128084			
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	141755670.184000	141754662.30429			
Observation start date	2002-06-29T16:33:26	2002-06-29T16:17:42			
Observation end time	141844170.184000	141844550.70797			
Observation end date	2002-06-30T17:08:26	2002-06-30T17:15:50			

## 2.3 Aspect



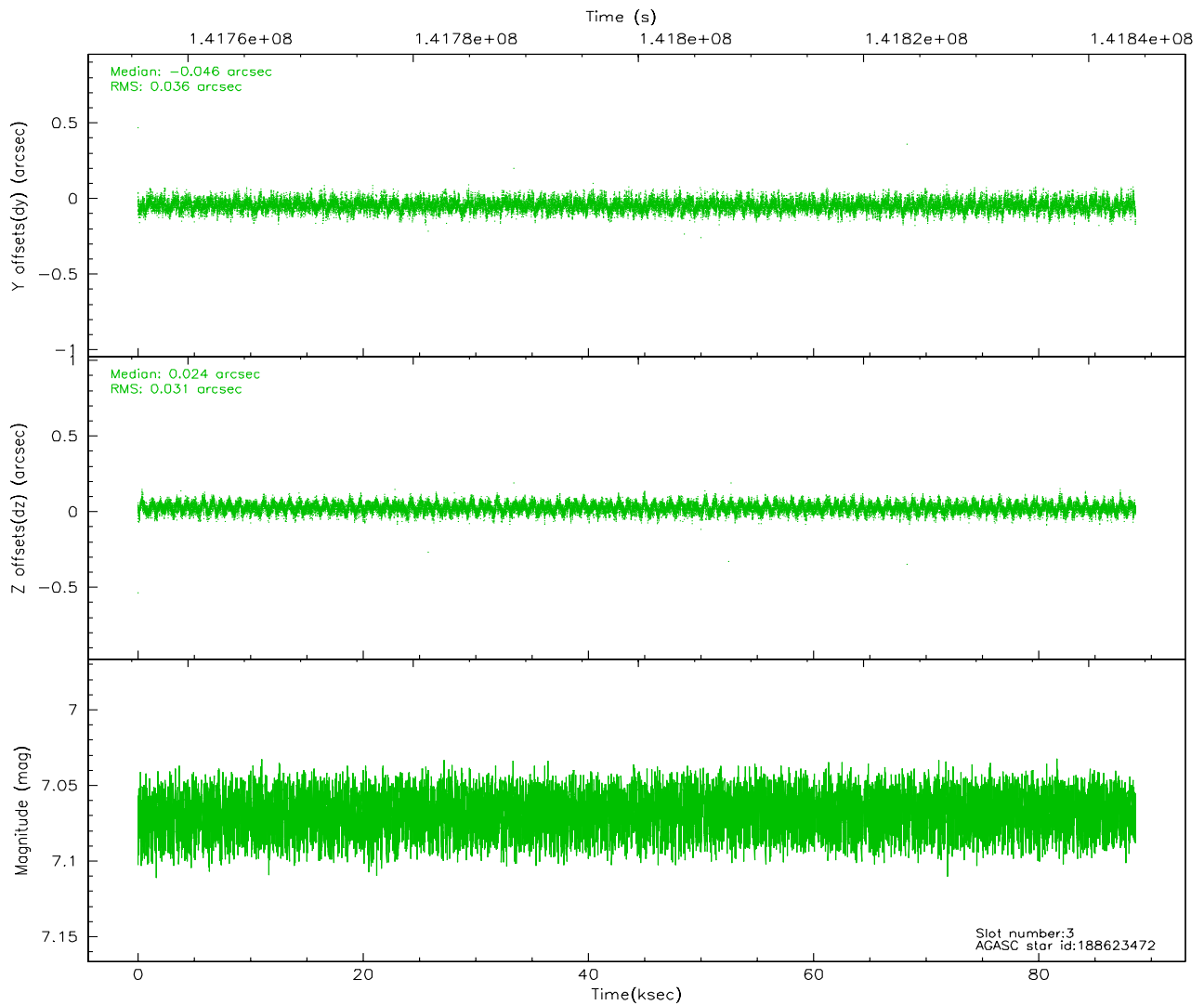
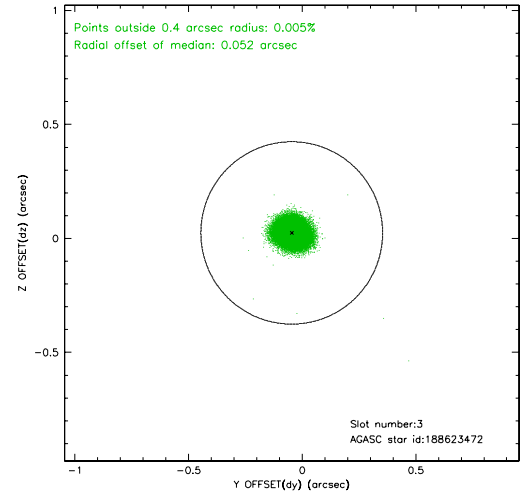
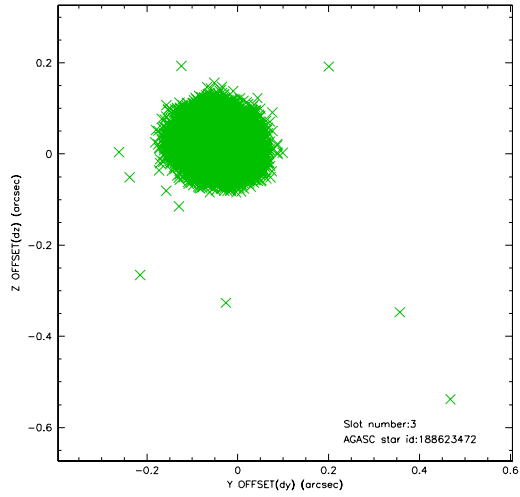


### Slot Statistics

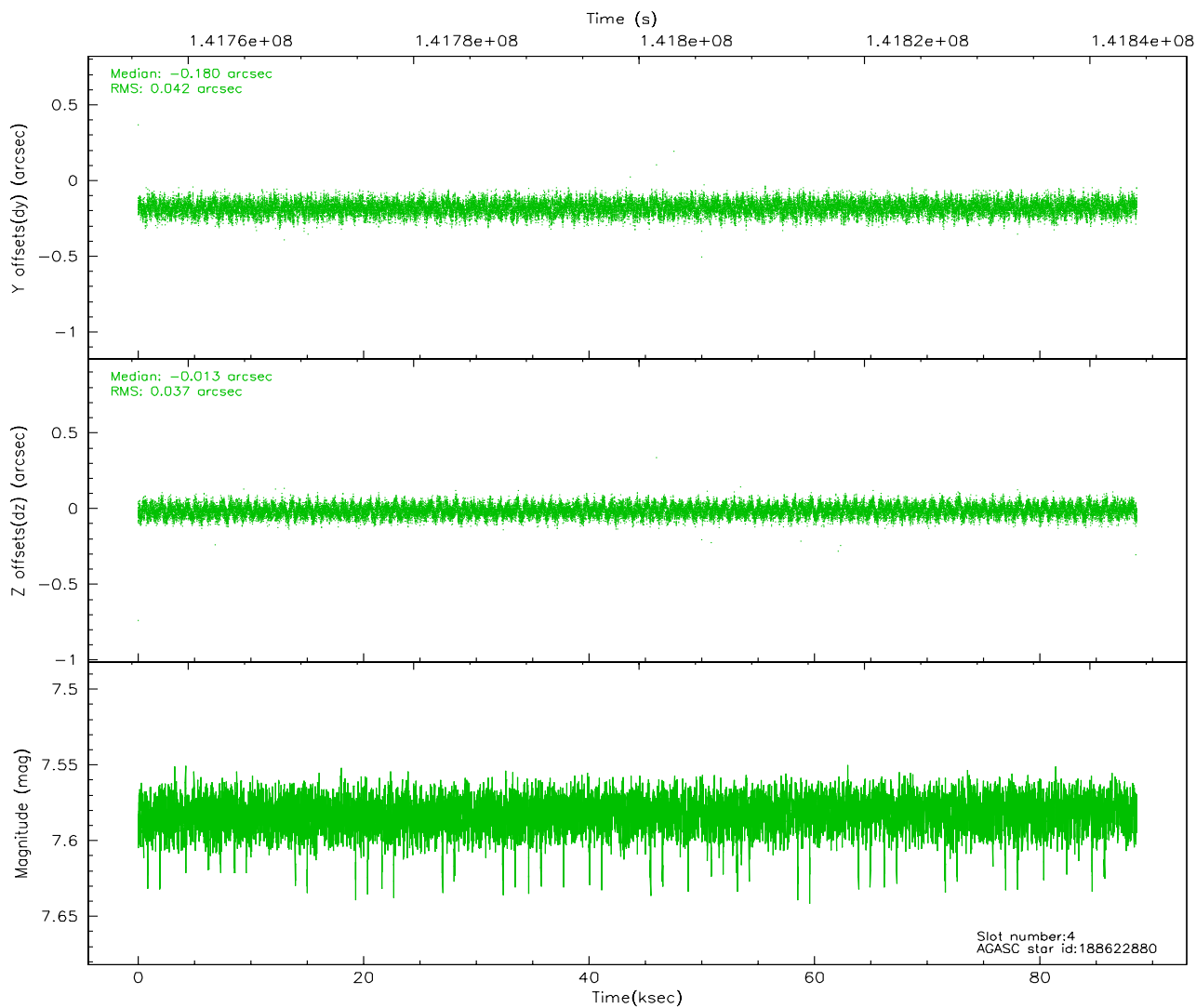
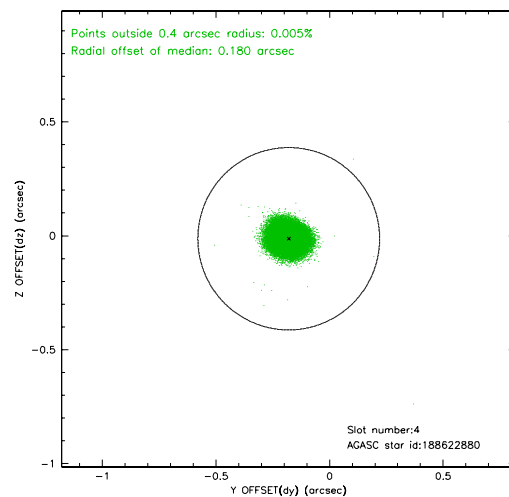
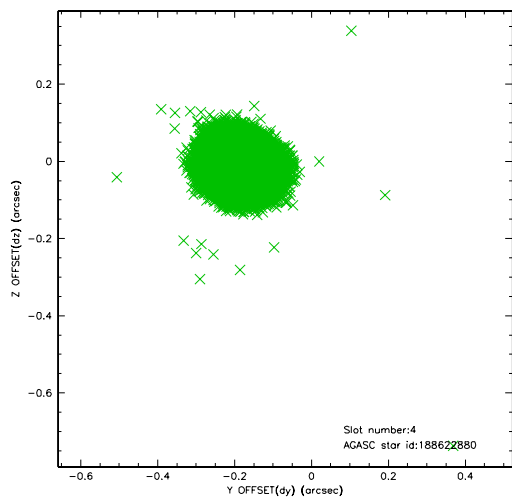
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	21605	0.153	-0.091	0.010	0.067	0.000000	0.000000	-1157.10	-456.34
1	FID	HRC-S-2	6.99	21602	0.083	-0.090	0.006	0.011	0.000000	0.000000	1242.46	-448.98
2	FID	HRC-S-3	7.00	21605	0.155	-0.121	0.010	0.075	0.000000	0.000000	-1159.77	573.15
3	GUIDE	188623472	7.07	43201	-0.046	0.024	0.050	0.081	169.895324	20.725289	2022.64	1020.67
4	GUIDE	188622880	7.58	43173	-0.180	-0.013	0.060	0.095	170.025103	21.913955	-2201.54	210.00
5	GUIDE	188615912	8.43	43194	0.142	0.038	0.075	0.115	170.246329	20.858006	1225.51	2014.80
6	GUIDE	188614552	8.97	43187	0.002	-0.092	0.068	0.112	169.490657	21.468678	-154.58	-1045.56
7	GUIDE	188616136	8.97	43106	0.083	0.043	0.068	0.113	169.590378	21.286471	379.40	-538.30

## 2.4 Star Slots

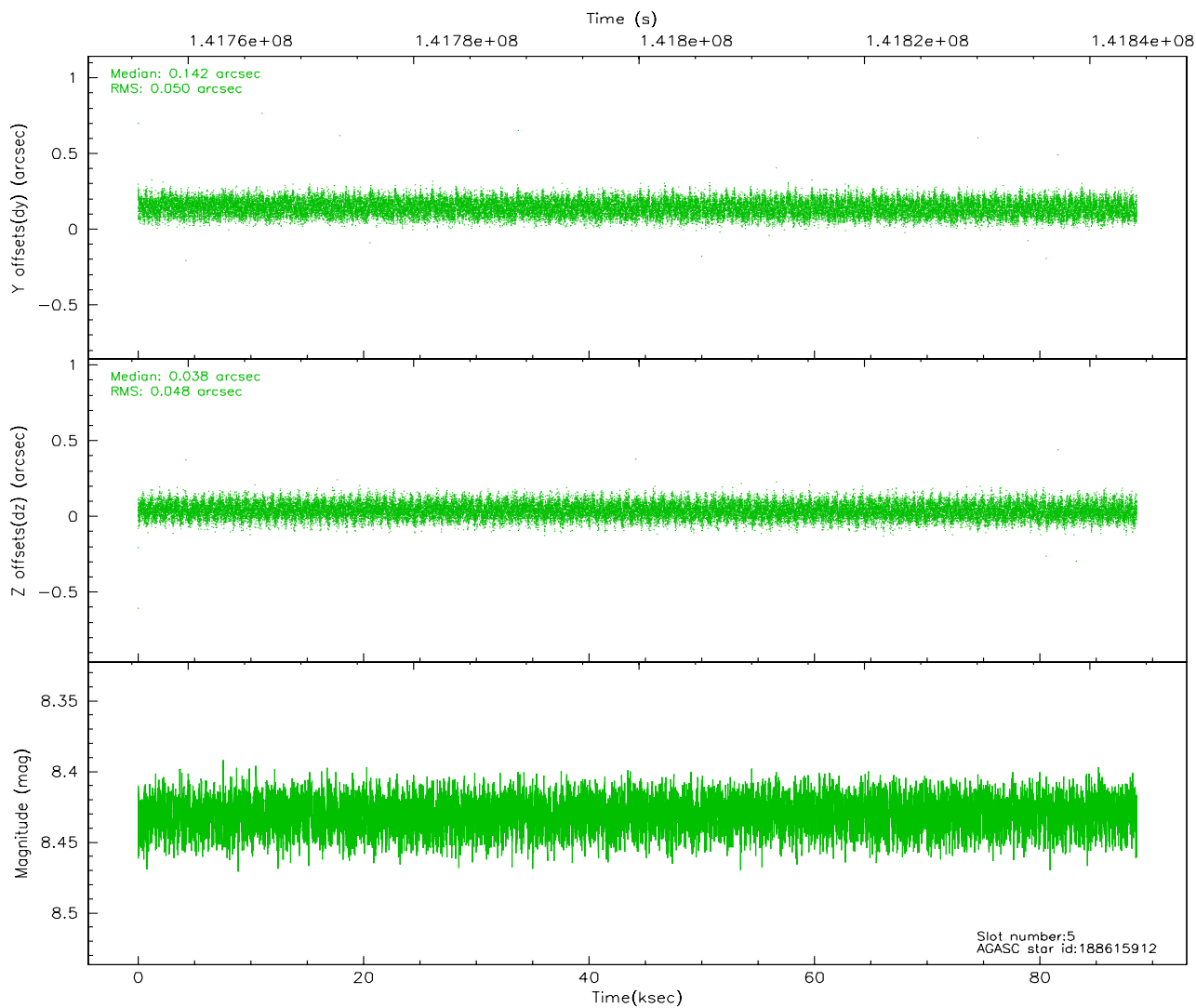
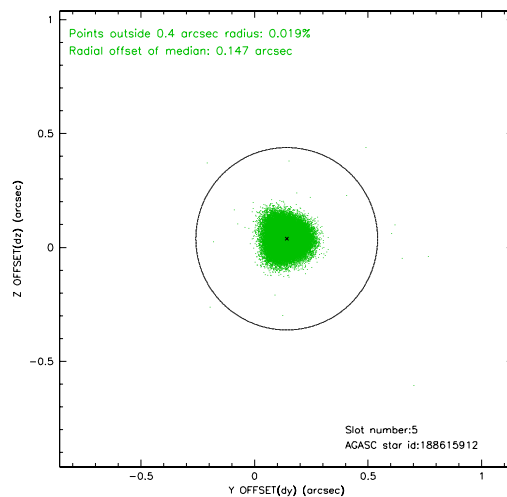
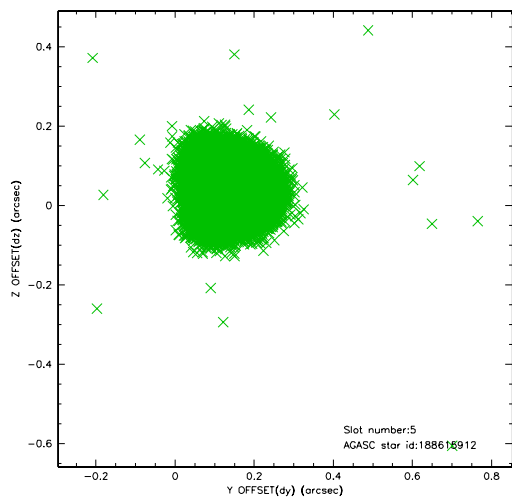
### 2.4.1 Slot 3



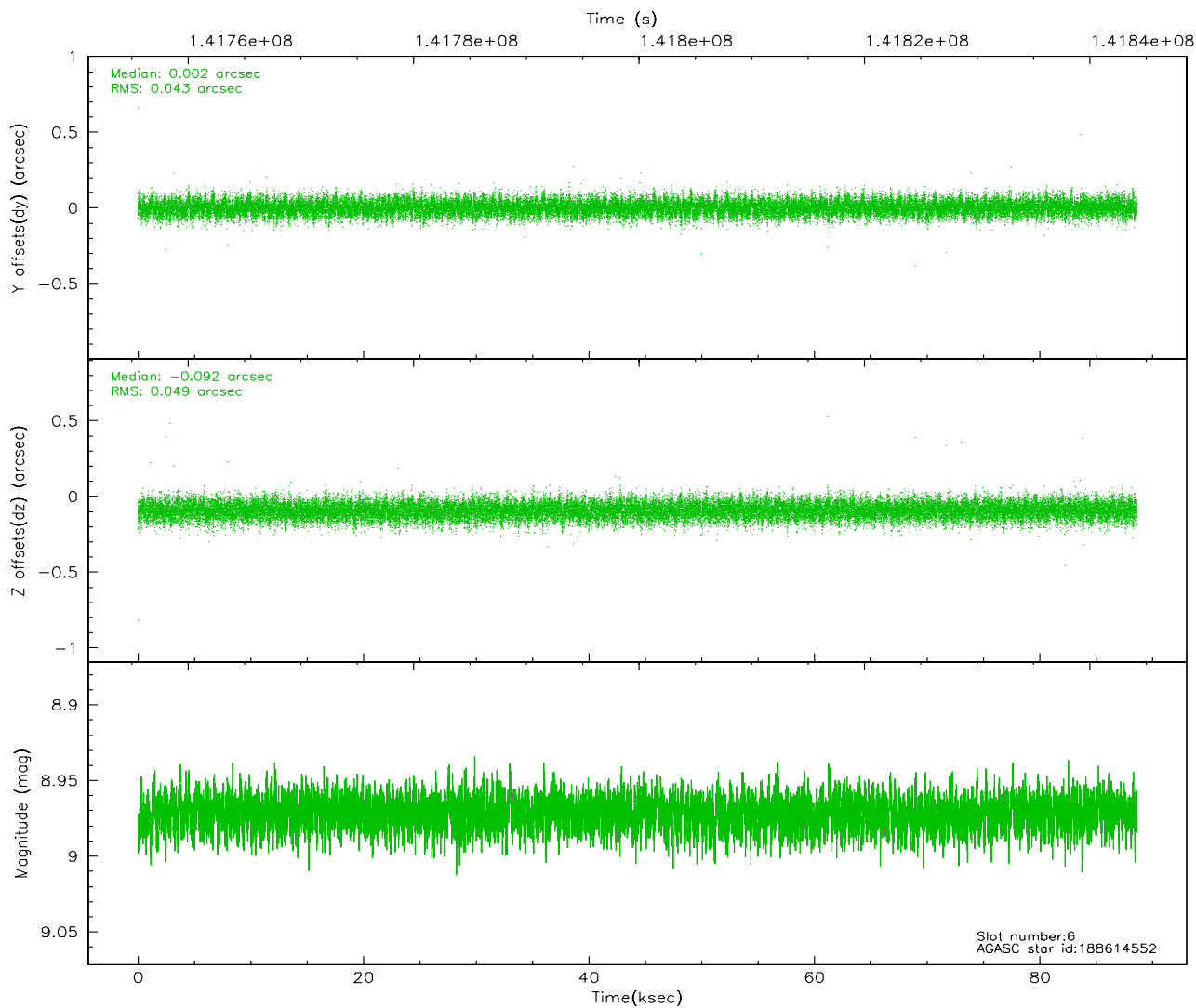
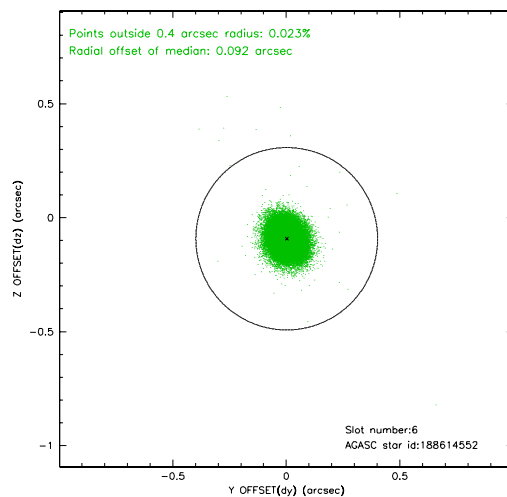
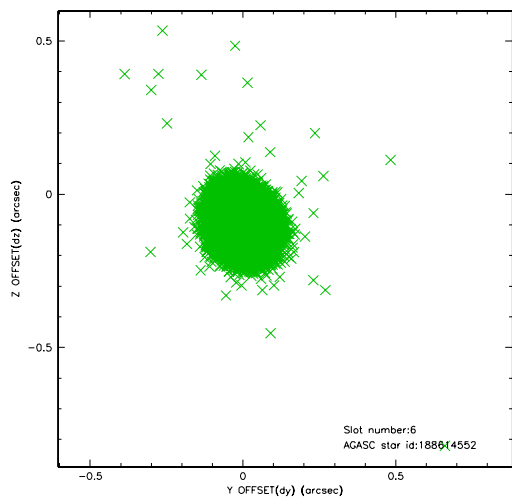
## 2.4.2 Slot 4



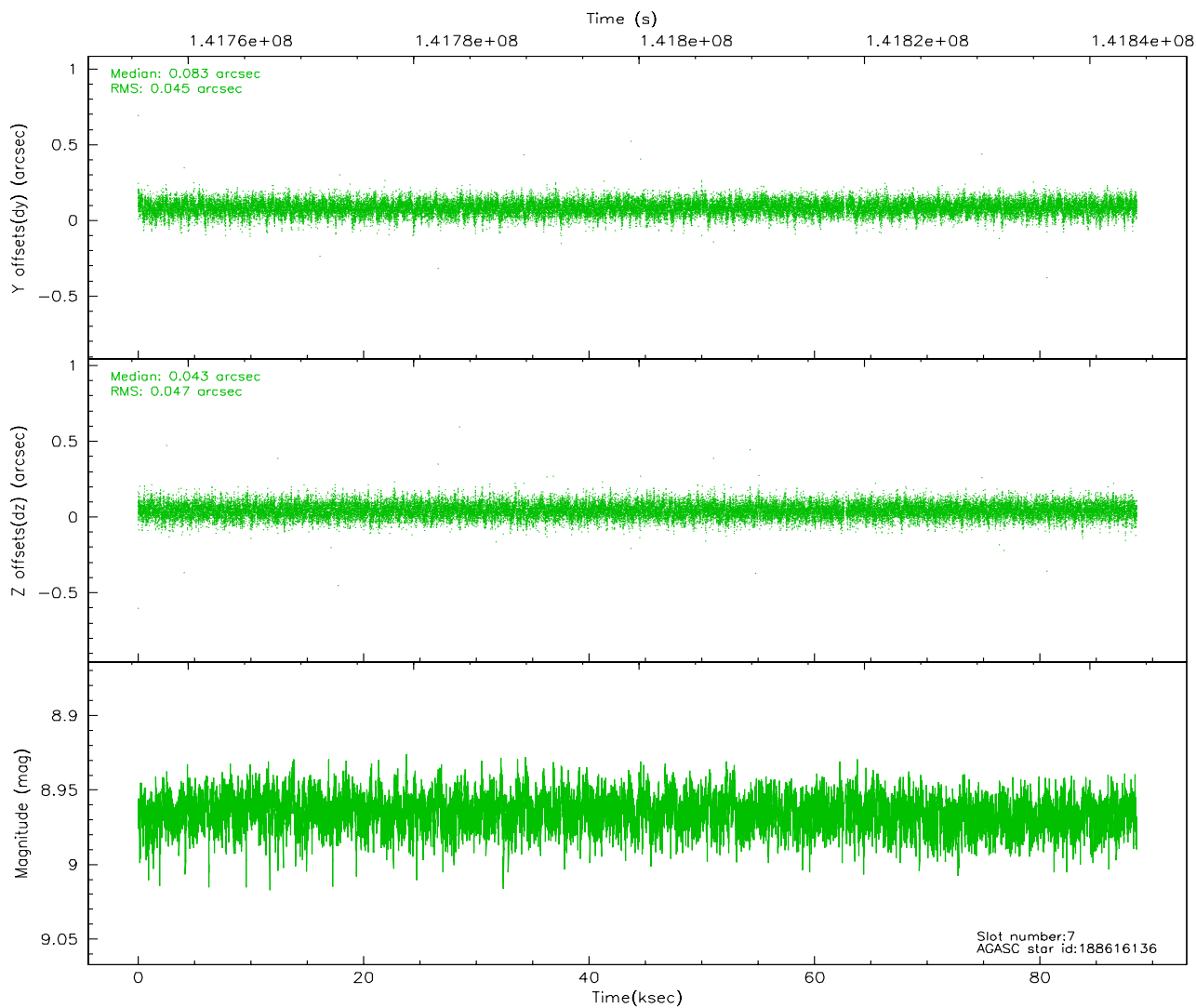
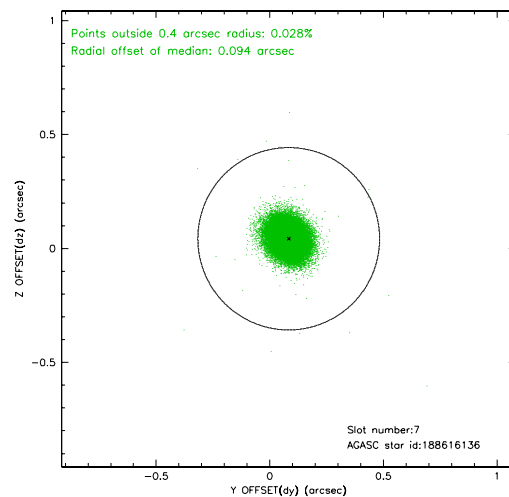
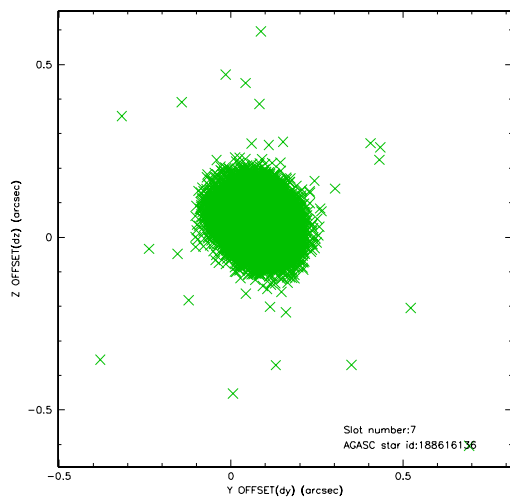
### 2.4.3 Slot 5



## 2.4.4 Slot 6

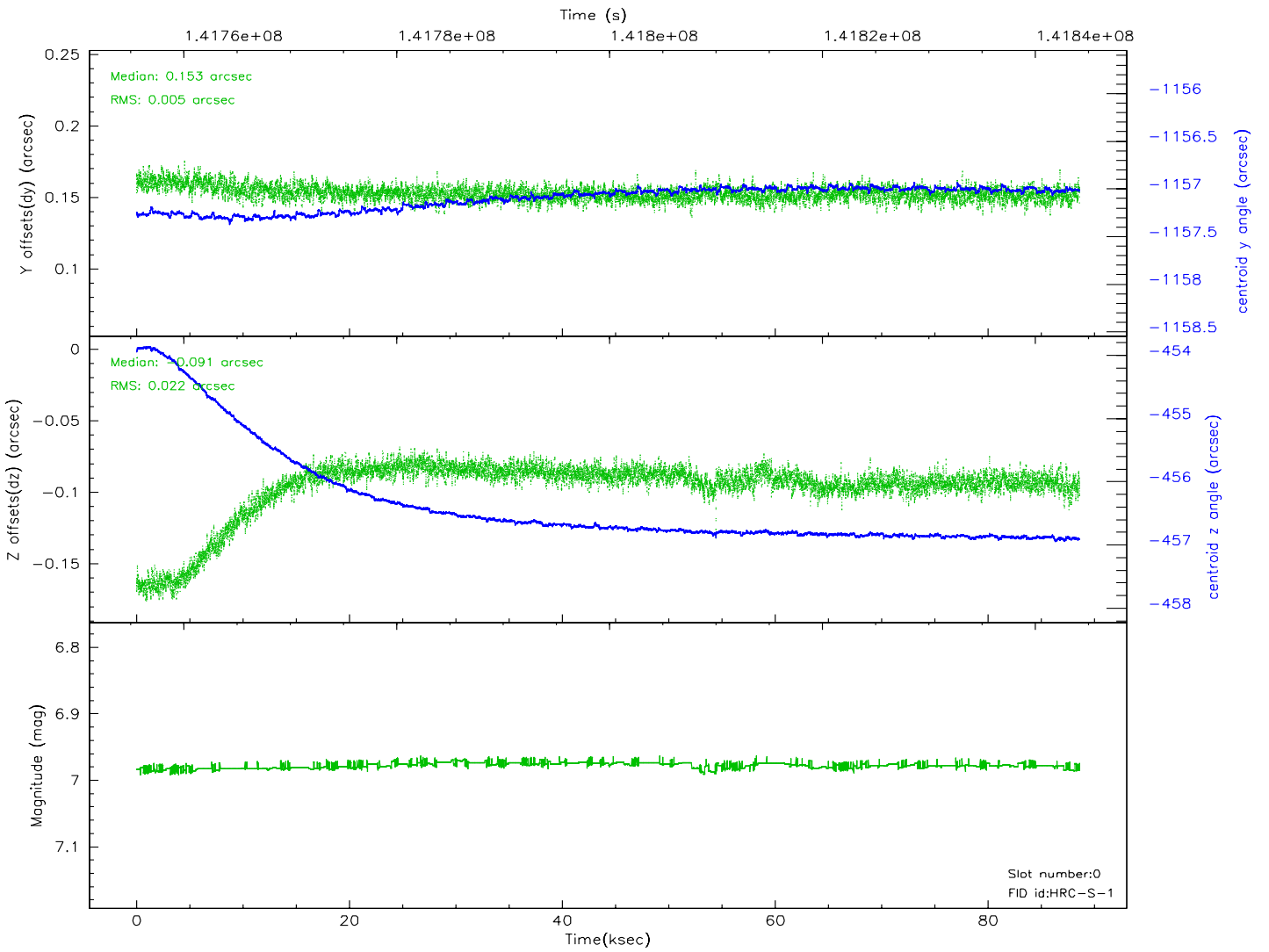
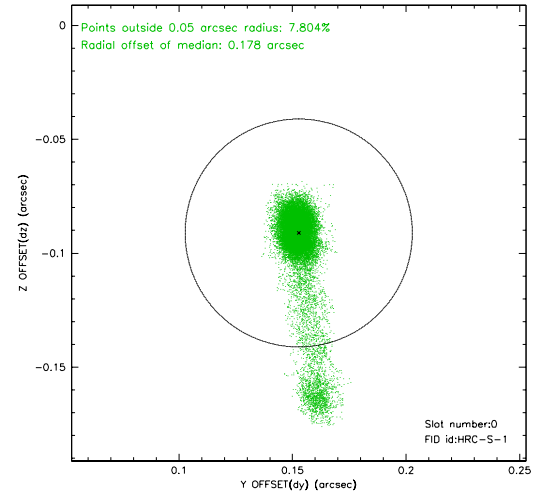
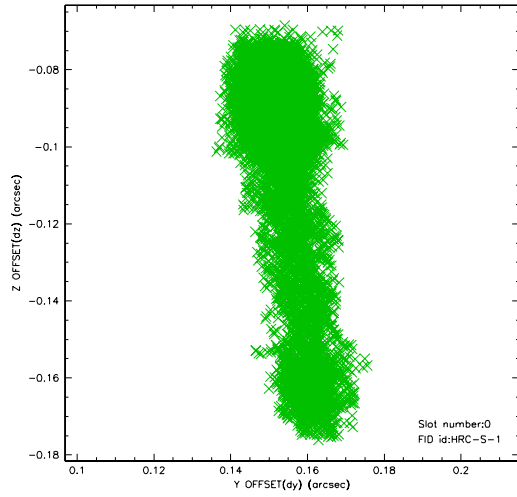


## 2.4.5 Slot 7

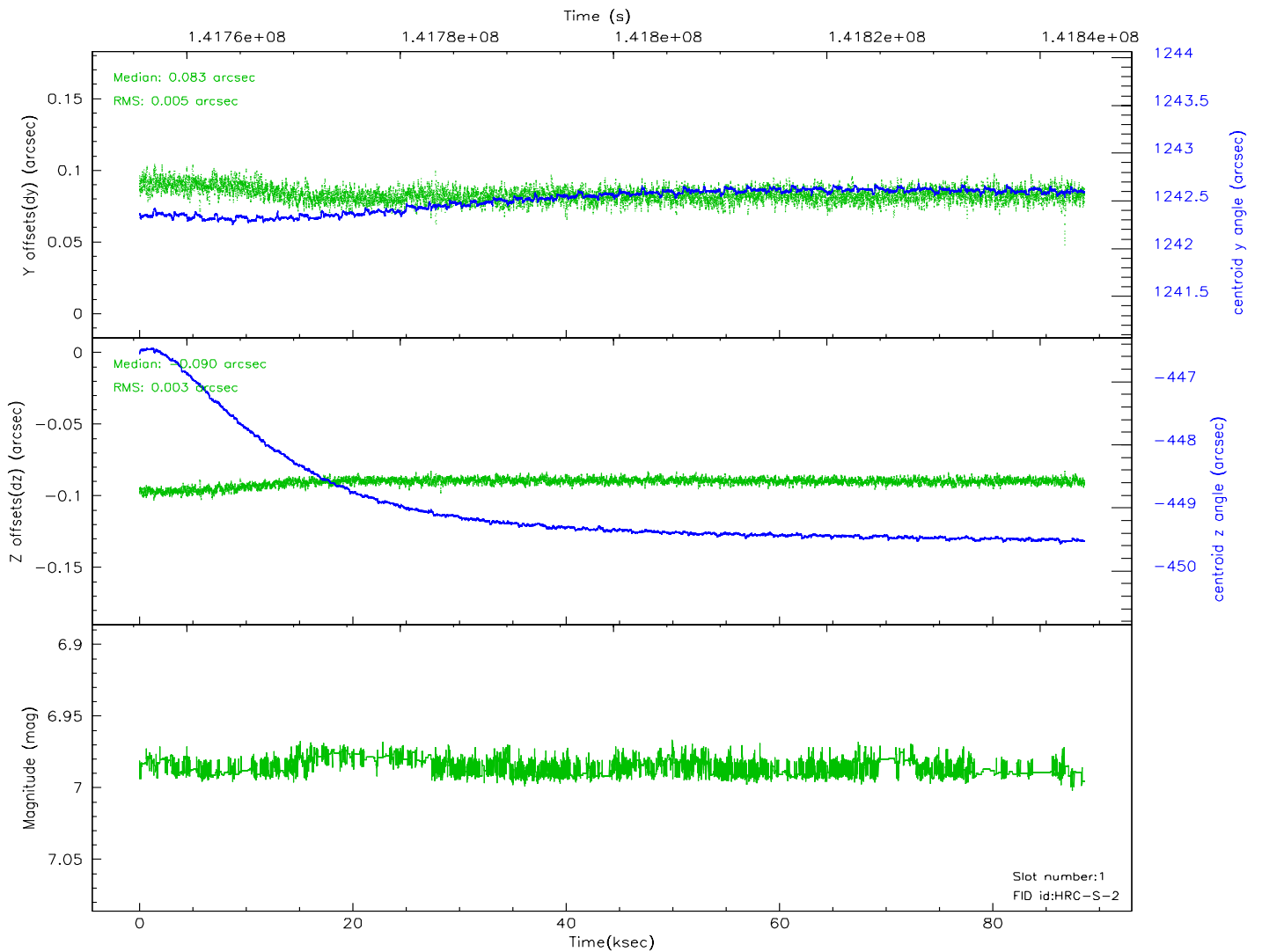
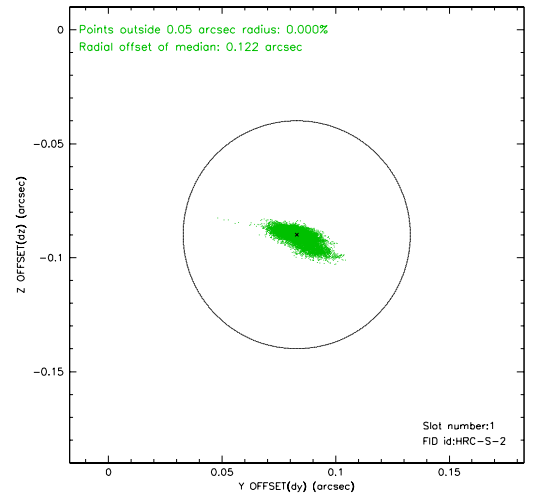
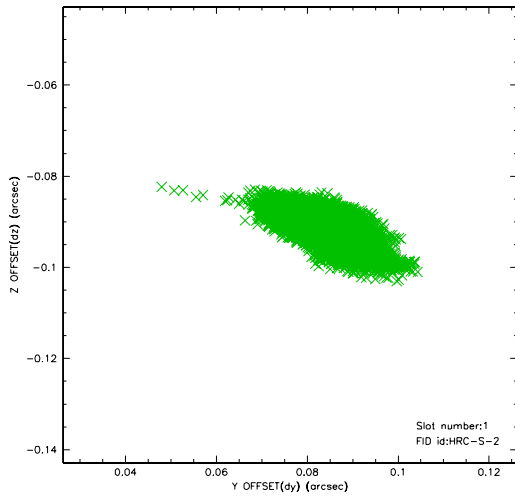


## 2.5 FID Slots

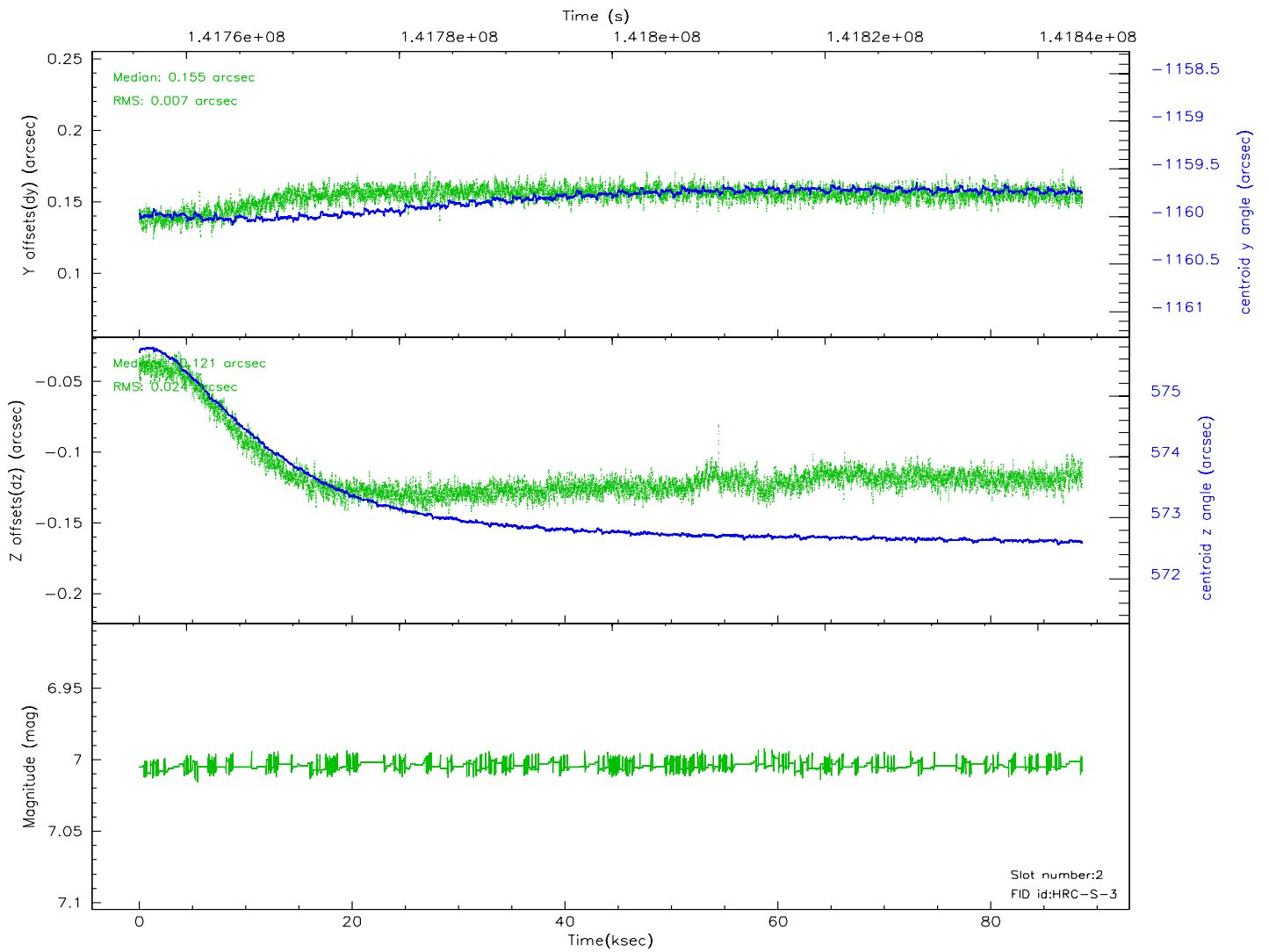
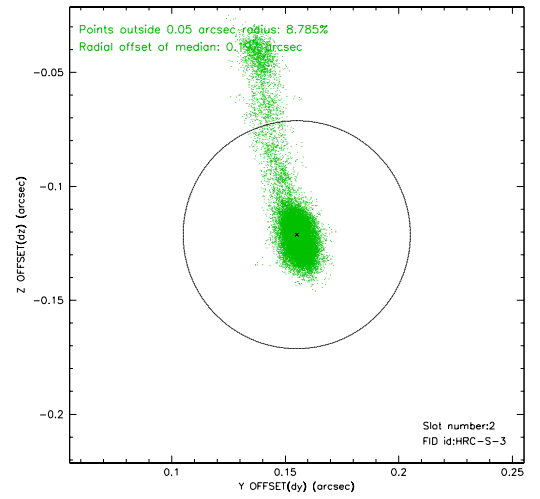
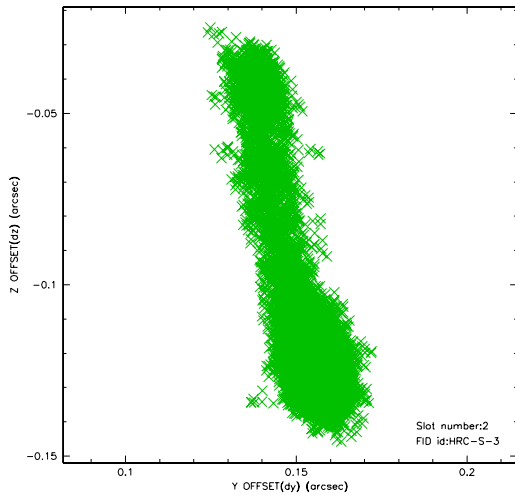
### 2.5.1 Slot 0



## 2.5.2 Slot 1

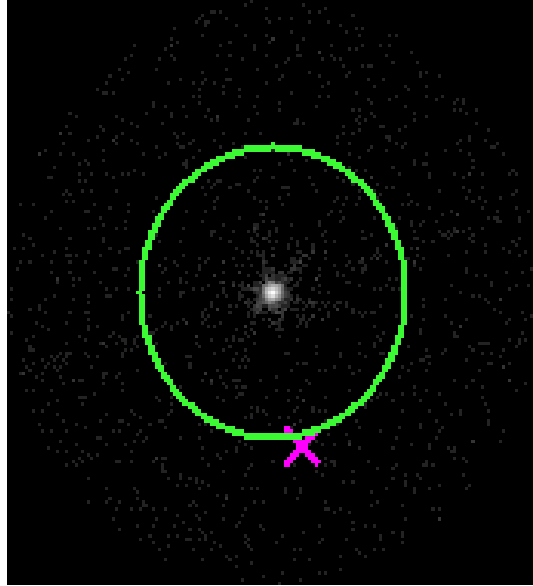


### 2.5.3 Slot 2



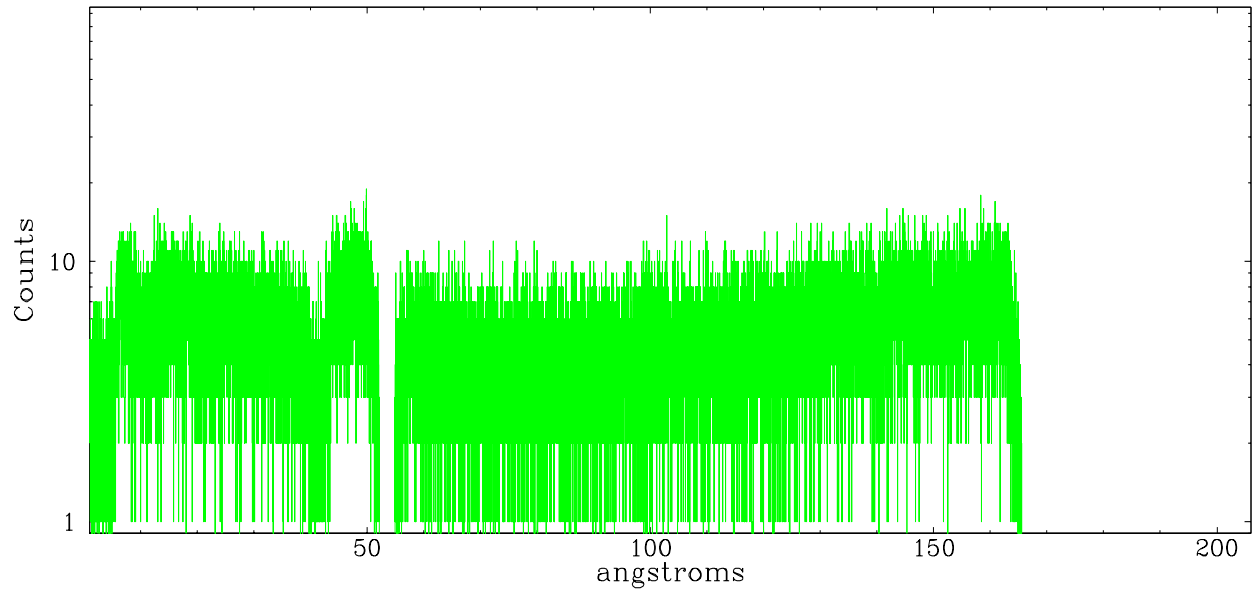
## 3 Gratings

### 3.1 LETG Arm

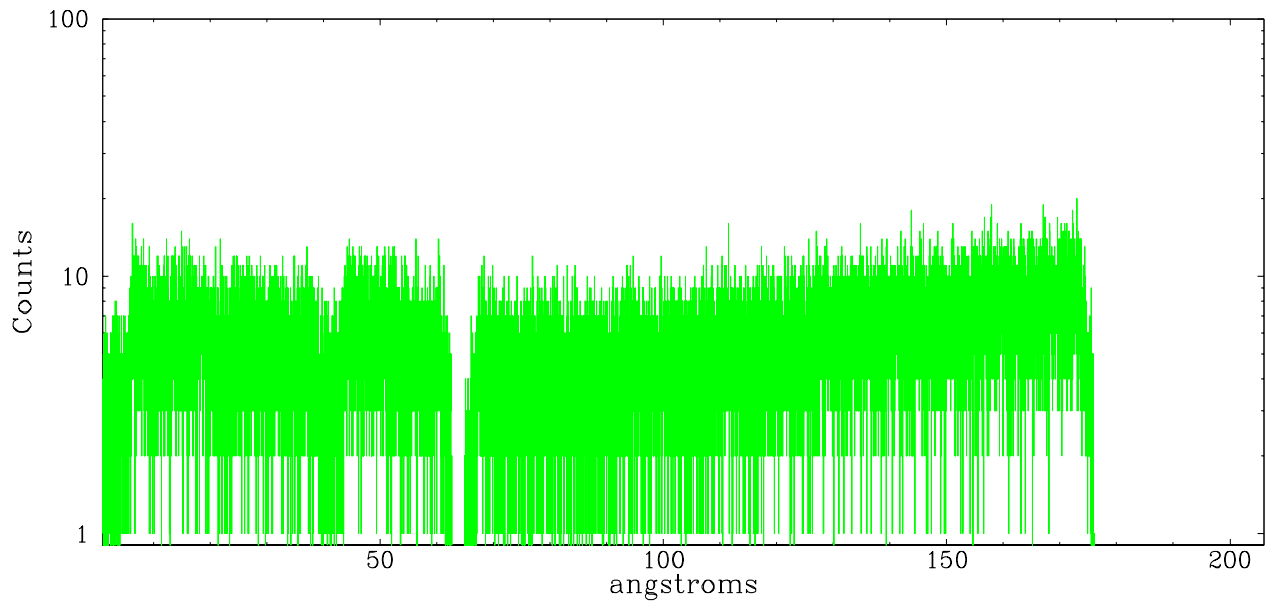


LETG Zero Order

leg order -1



leg order +1



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	88.571

## A.2 Comments