

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 4533 - L2 Version 002  
Chandra X-Ray Center

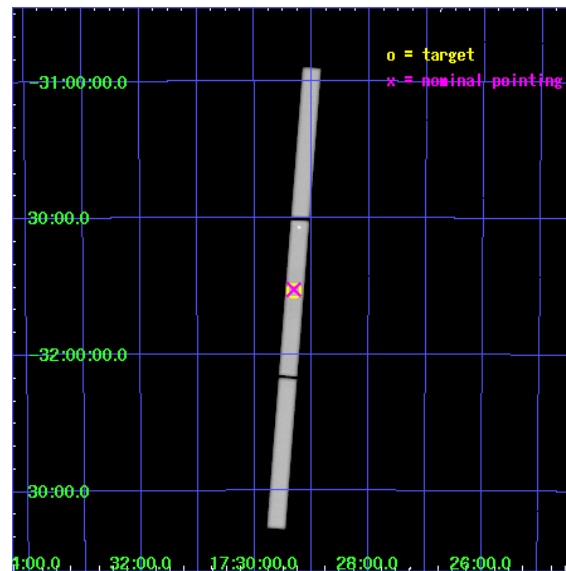
L2 Processing Date: Feb 21 2006

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Parameters . . . . .	4
2.1.3	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>3</b>	<b>Gratings</b>	<b>17</b>
3.1	LETG Arm . . . . .	17
<b>A</b>	<b>Summary</b>	<b>19</b>
A.1	Status . . . . .	19
A.2	Comments . . . . .	19

# 1 Front

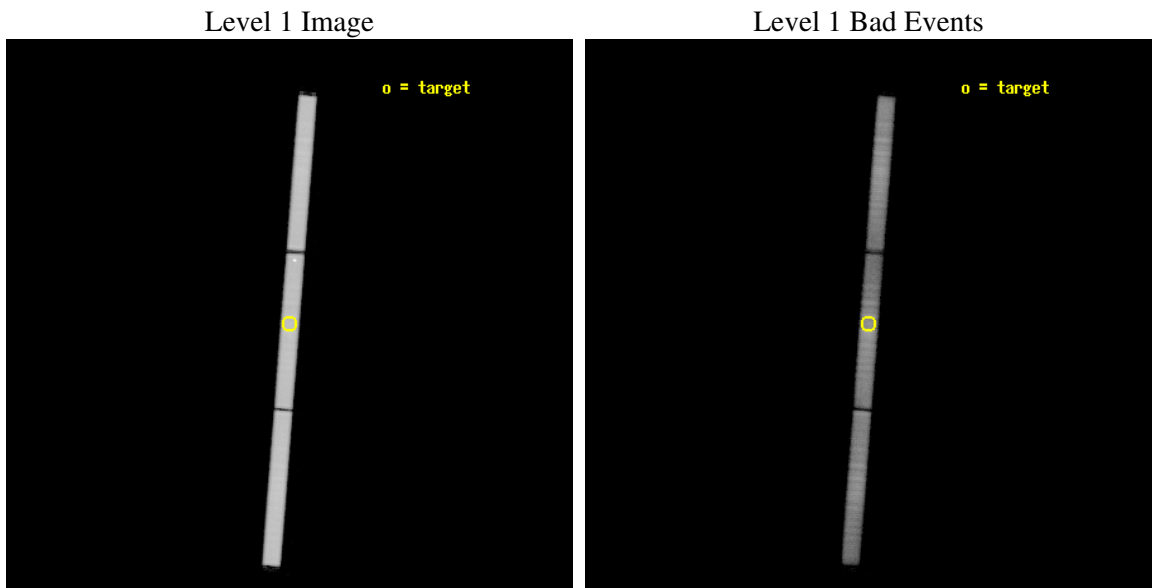
seq_num	300127
obs_id	4533
title	Multiwavelength Target of Opportunity Observations of One Bright Nova in Outburst
observer	Professor Sumner Starrfield
object	V1187 Sco
ra_targ	262.328333
dec_targ	-31.767083
ra_nom	262.32805224013
dec_nom	-31.762436663055
roll_nom	94.426900809727
revision	2
ontime	26126.482431591
livetime	25926.200273234
l2events	1711469



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-21T13:59:09
revision	2

sched_exp_time	26000.000000
ontime	26127.507431626
l1events	2480075

### 2.1.3 Events

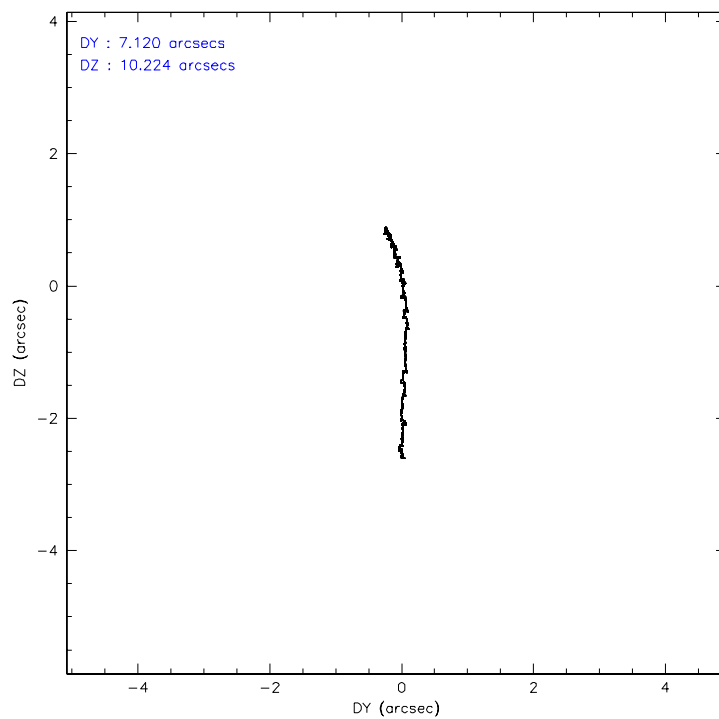
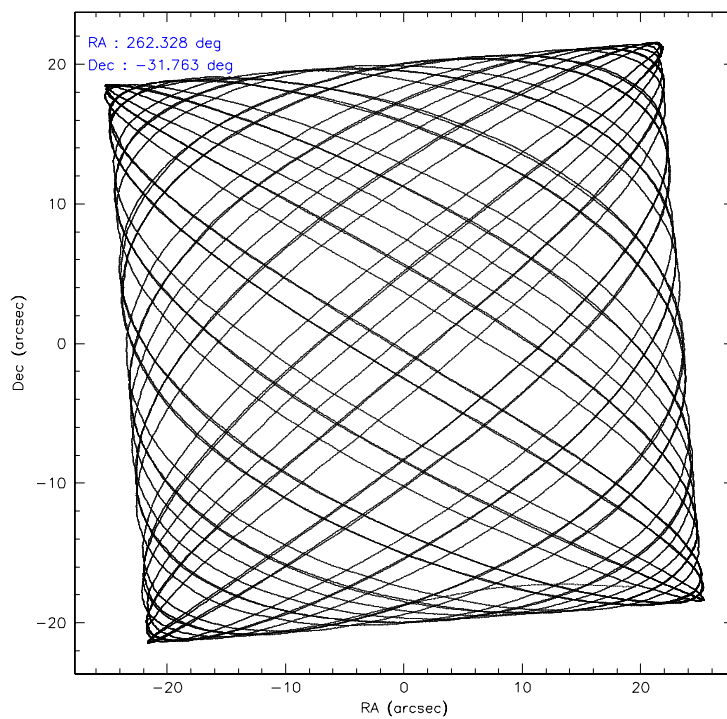
Level 1 Events

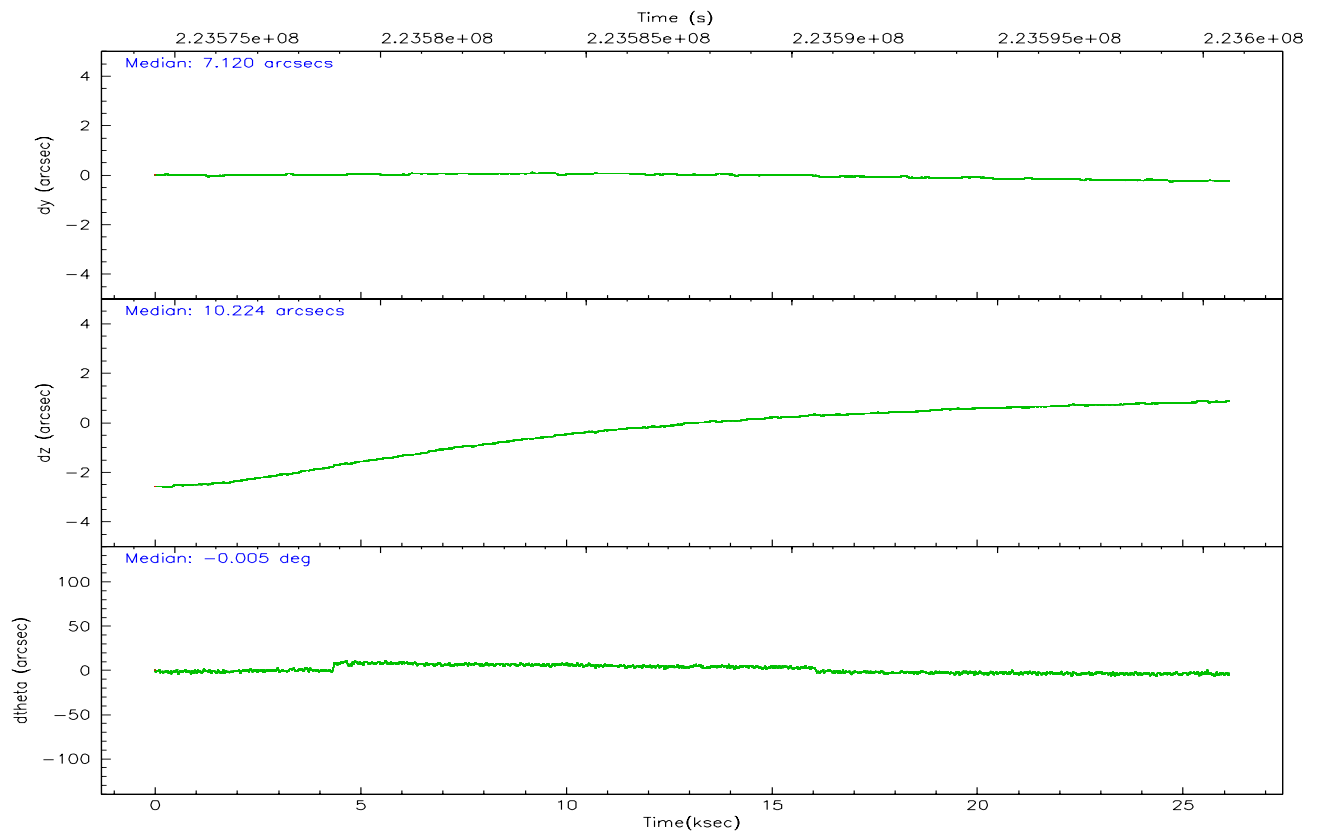
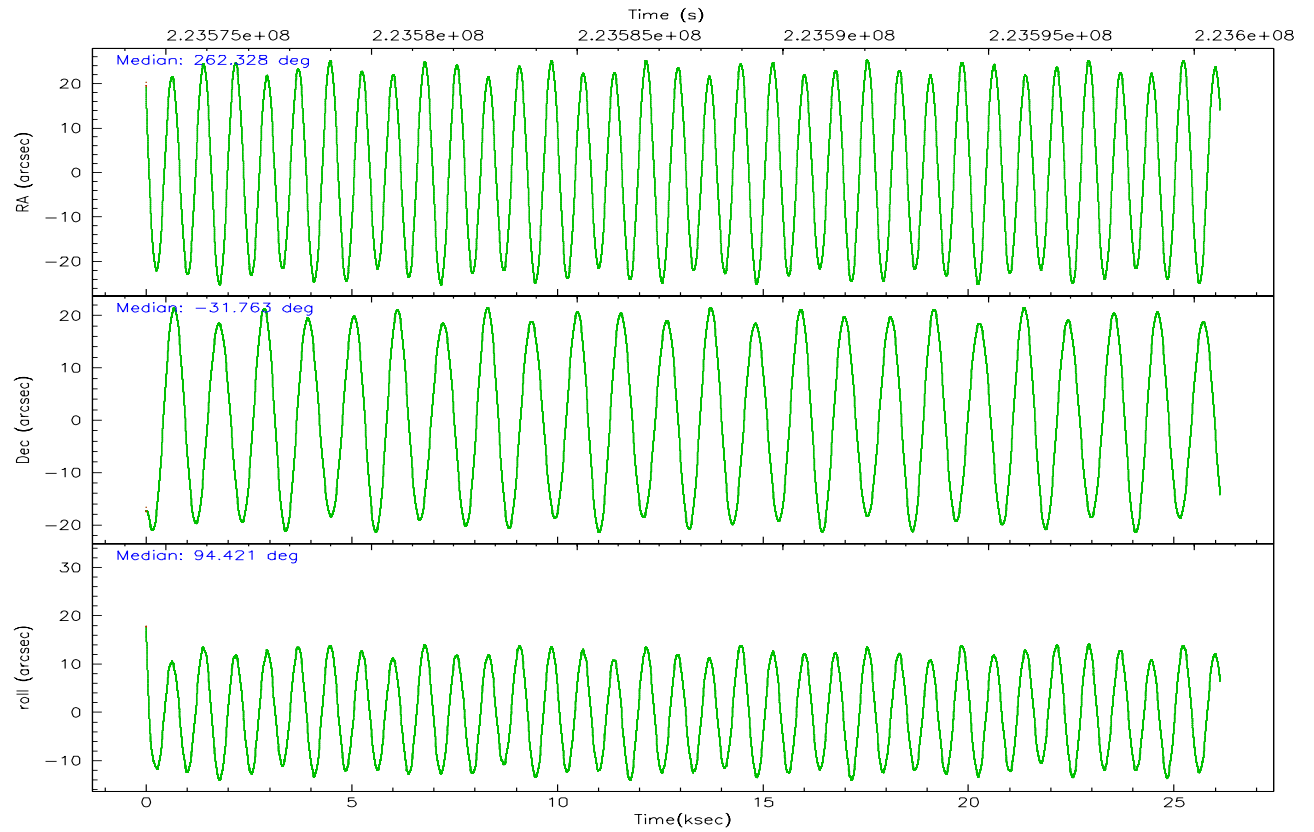
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	856708	803847	819520
rejected events	178582	186641	204915
rejected %	20%	23%	25%

## 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	262.348432	262.3280522401308			
Pointing Dec	-31.785166	-31.76243666305468			
Pointing Roll	94.370293	94.42690080972747			
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	223574635.184000	223573335.644			
Observation start date	2005-01-31T16:02:51	2005-01-31T15:42:15			
Observation end time	223600635.184000	223601538.00778			
Observation end date	2005-01-31T23:16:11	2005-01-31T23:32:18			

## 2.3 Aspect





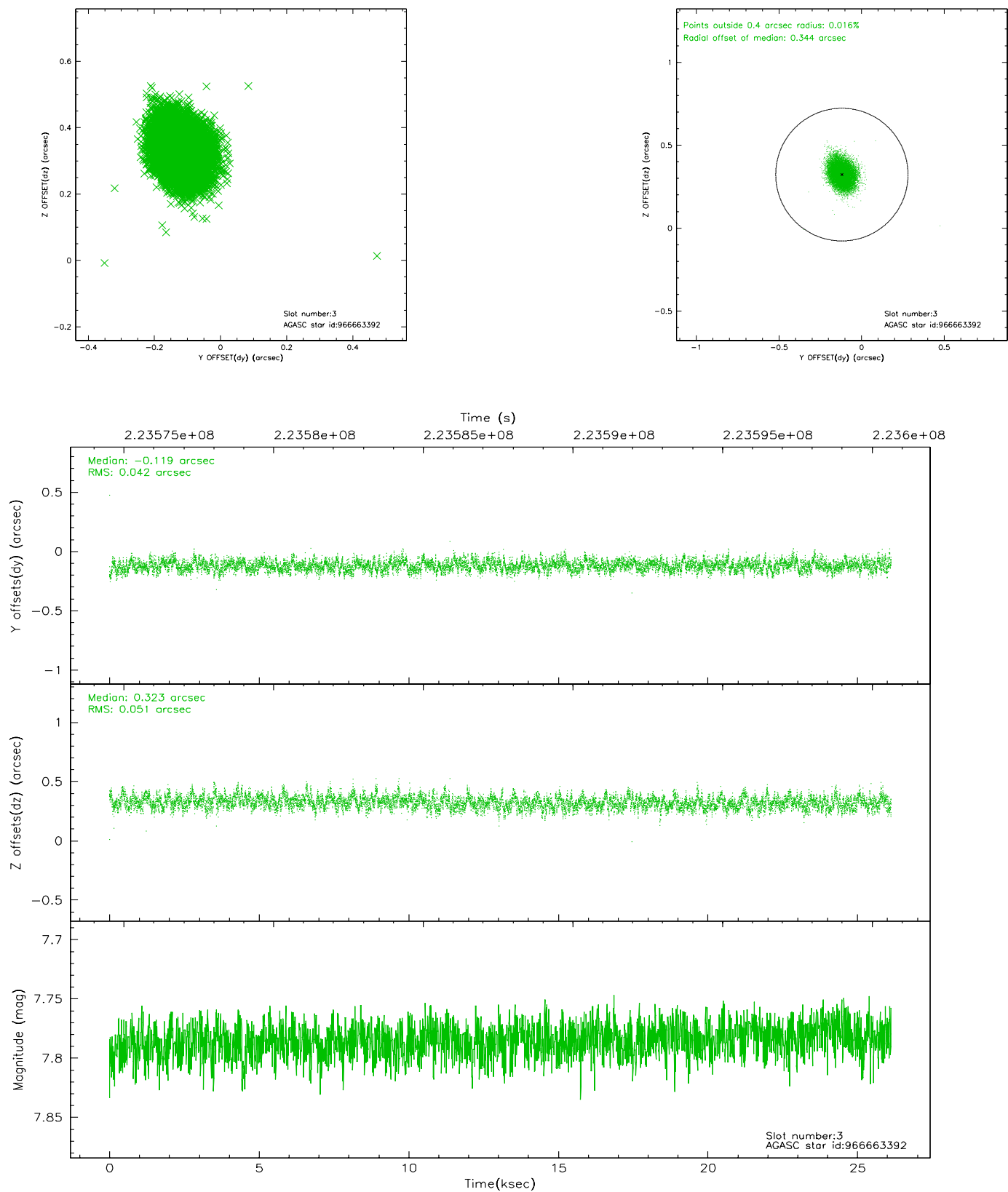
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	6371	0.083	-0.187	0.029	0.060	0.000000	0.000000	-1161.26	-458.57
1	FID	HRC-S-3	7.03	6373	0.098	-0.032	0.030	0.058	0.000000	0.000000	-1164.18	571.03
2	FID	HRC-S-4	6.98	6373	0.207	-0.080	0.010	0.017	0.000000	0.000000	1236.91	573.77
3	GUIDE	966663392	7.78	12746	-0.119	0.323	0.070	0.113	263.029690	-31.549104	681.97	-2147.68
4	GUIDE	967181504	7.86	12742	-0.003	-0.244	0.080	0.126	261.671808	-32.022142	-699.78	2124.30
5	GUIDE	967183712	9.02	12733	0.220	0.173	0.093	0.152	263.055109	-32.283332	-1958.65	-2007.01
6	GUIDE	966663720	7.84	12740	-0.081	-0.089	0.064	0.103	262.170068	-31.384212	1480.46	436.85
7	GUIDE	966659496	7.39	12743	-0.022	-0.165	0.076	0.116	262.303854	-31.534290	911.27	67.67

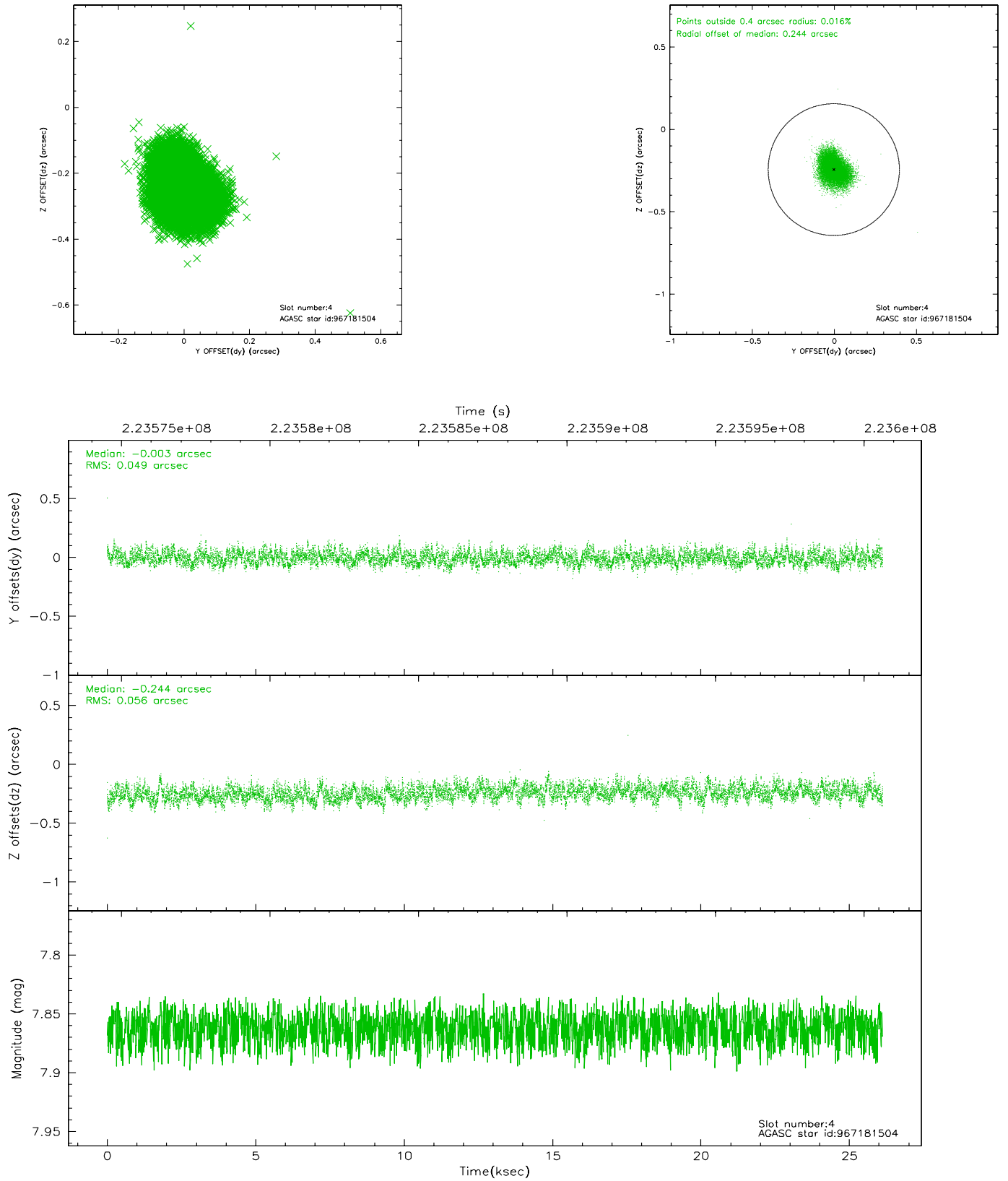


## 2.4 Star Slots

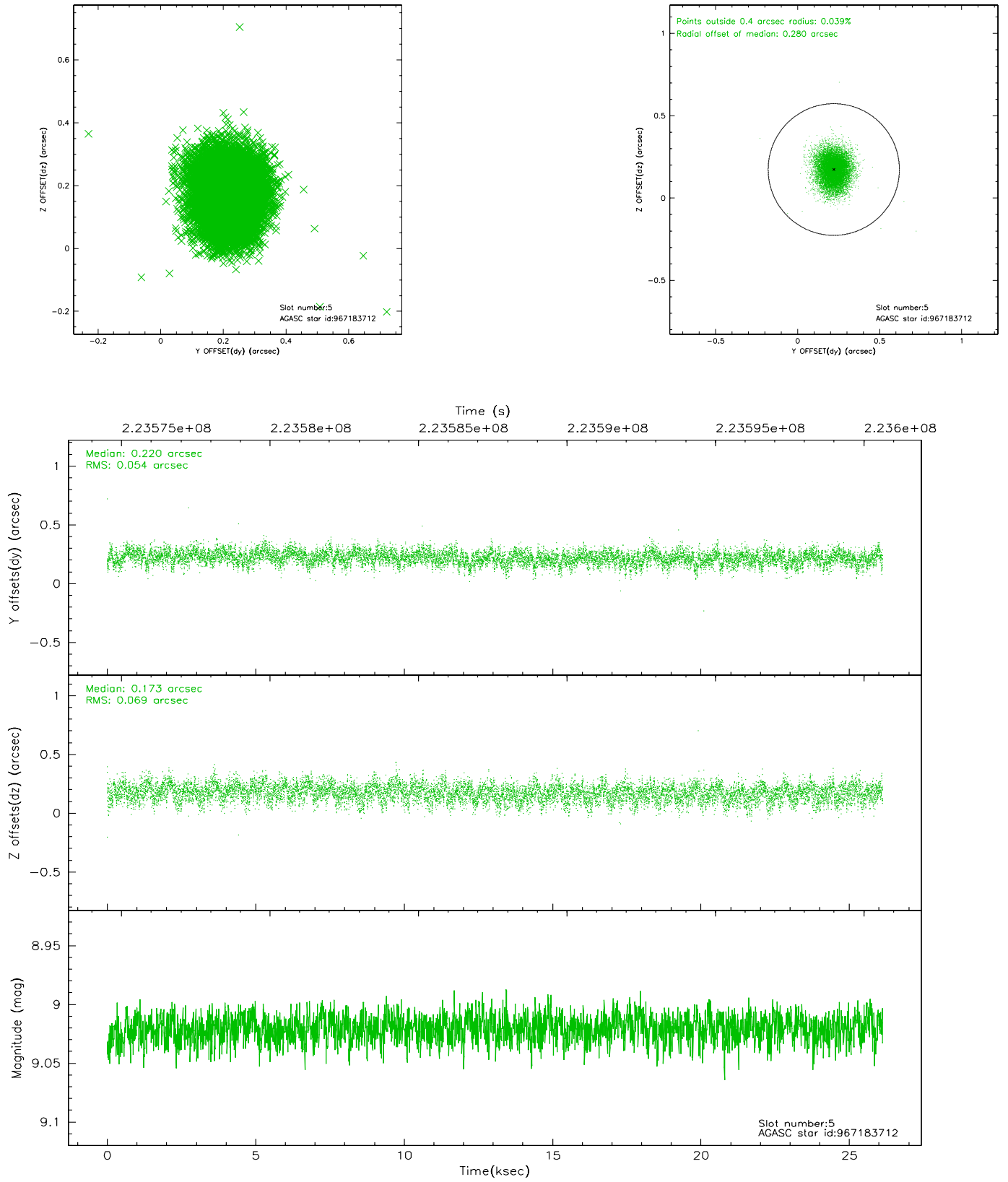
### 2.4.1 Slot 3



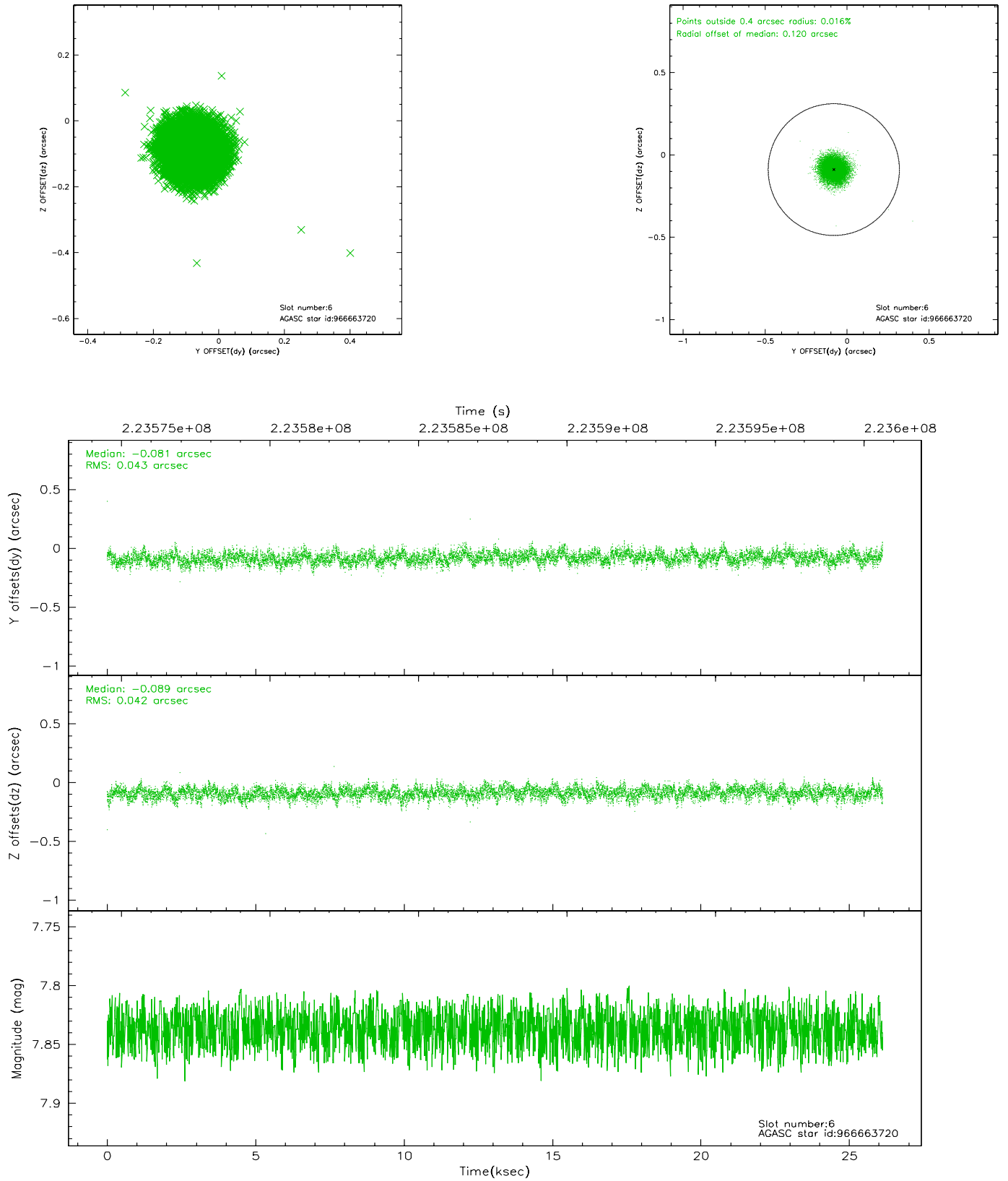
## 2.4.2 Slot 4



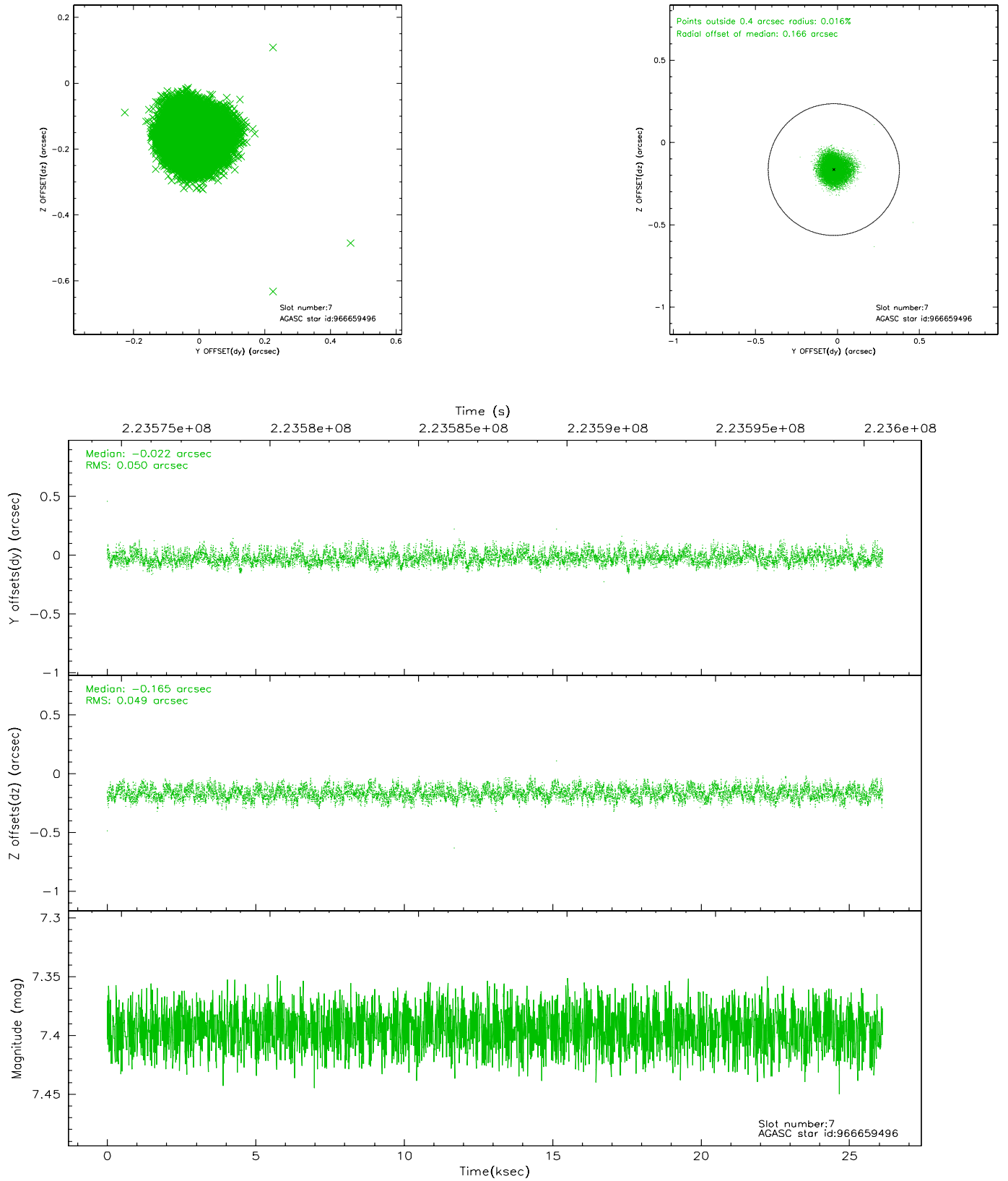
### 2.4.3 Slot 5



## 2.4.4 Slot 6

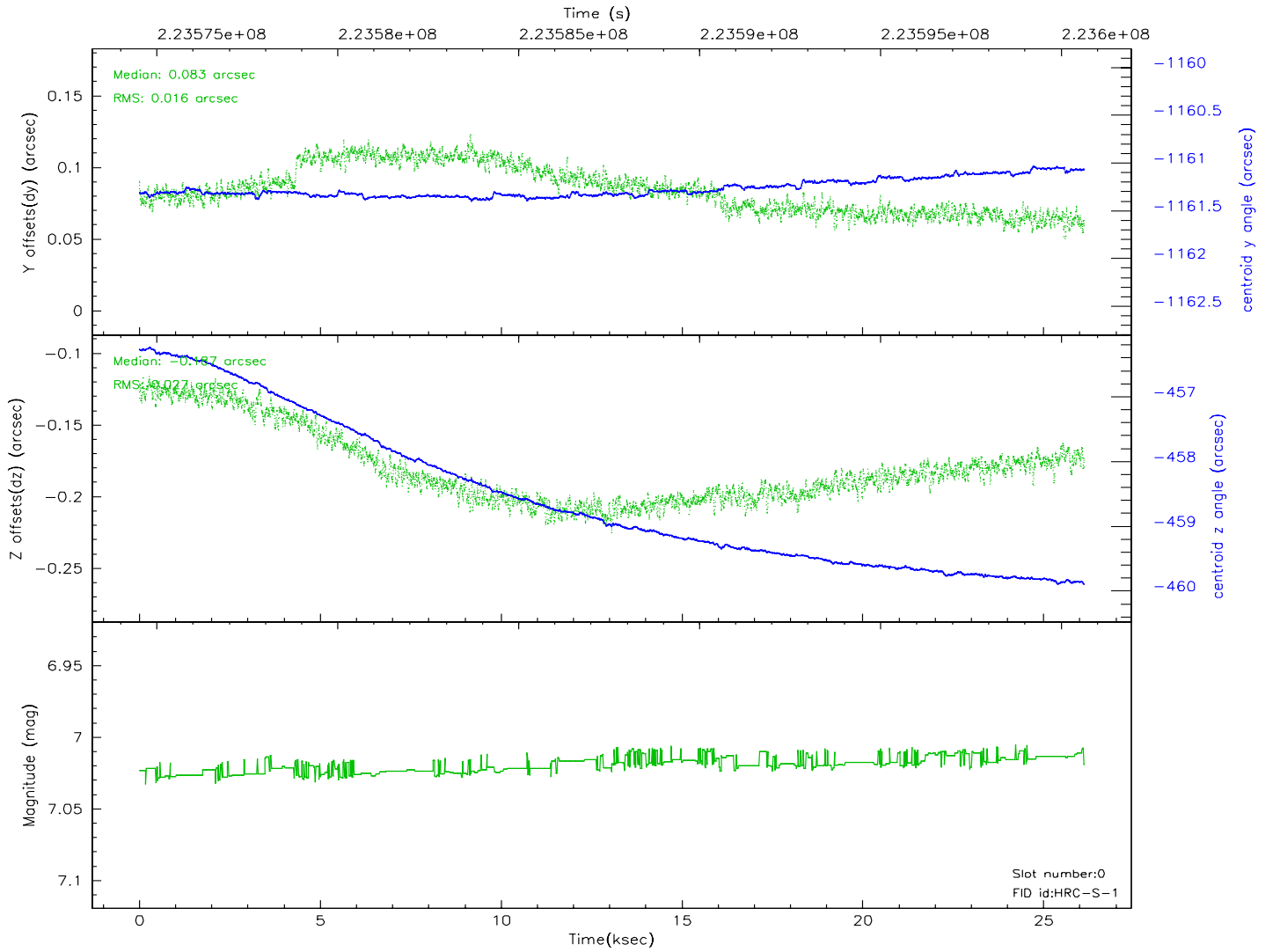
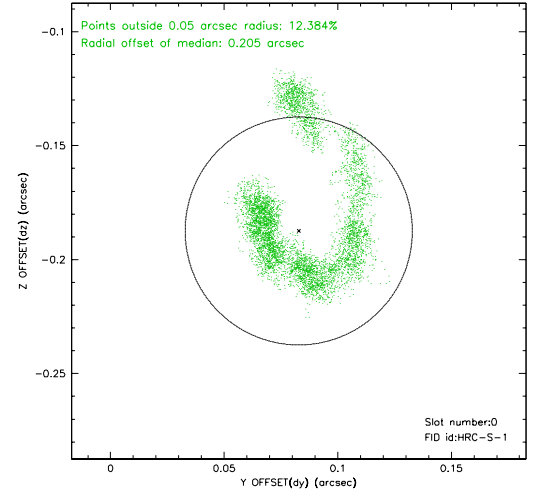
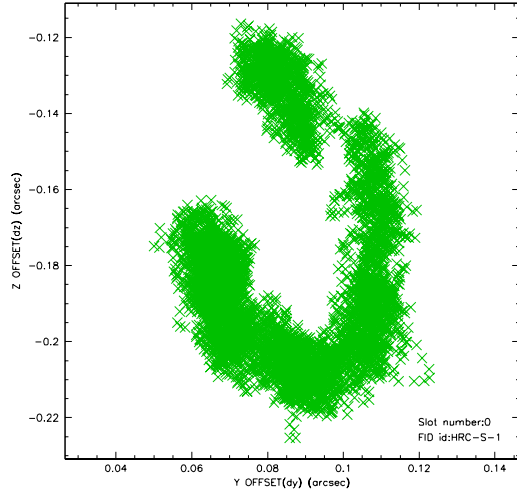


## 2.4.5 Slot 7

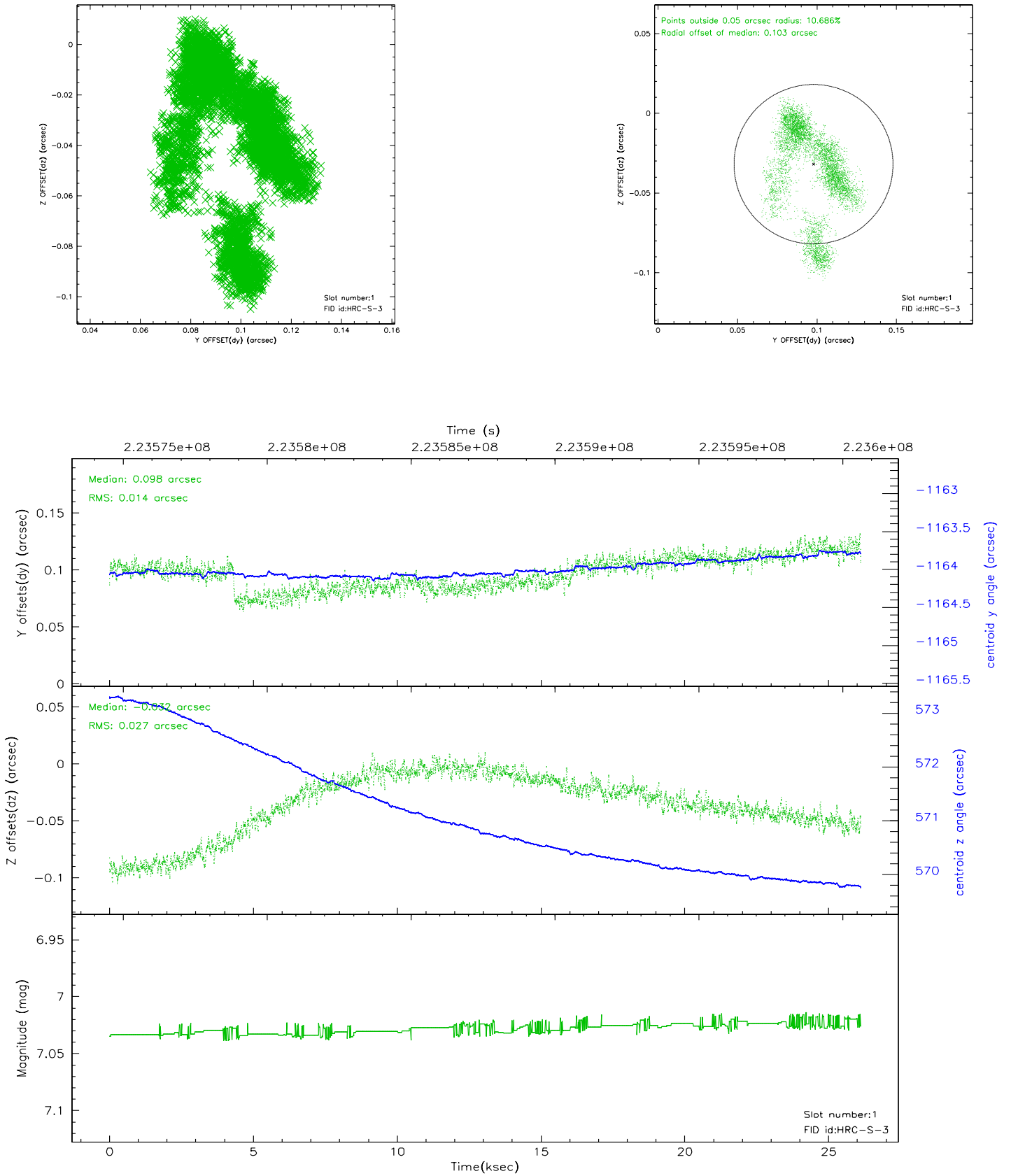


## 2.5 FID Slots

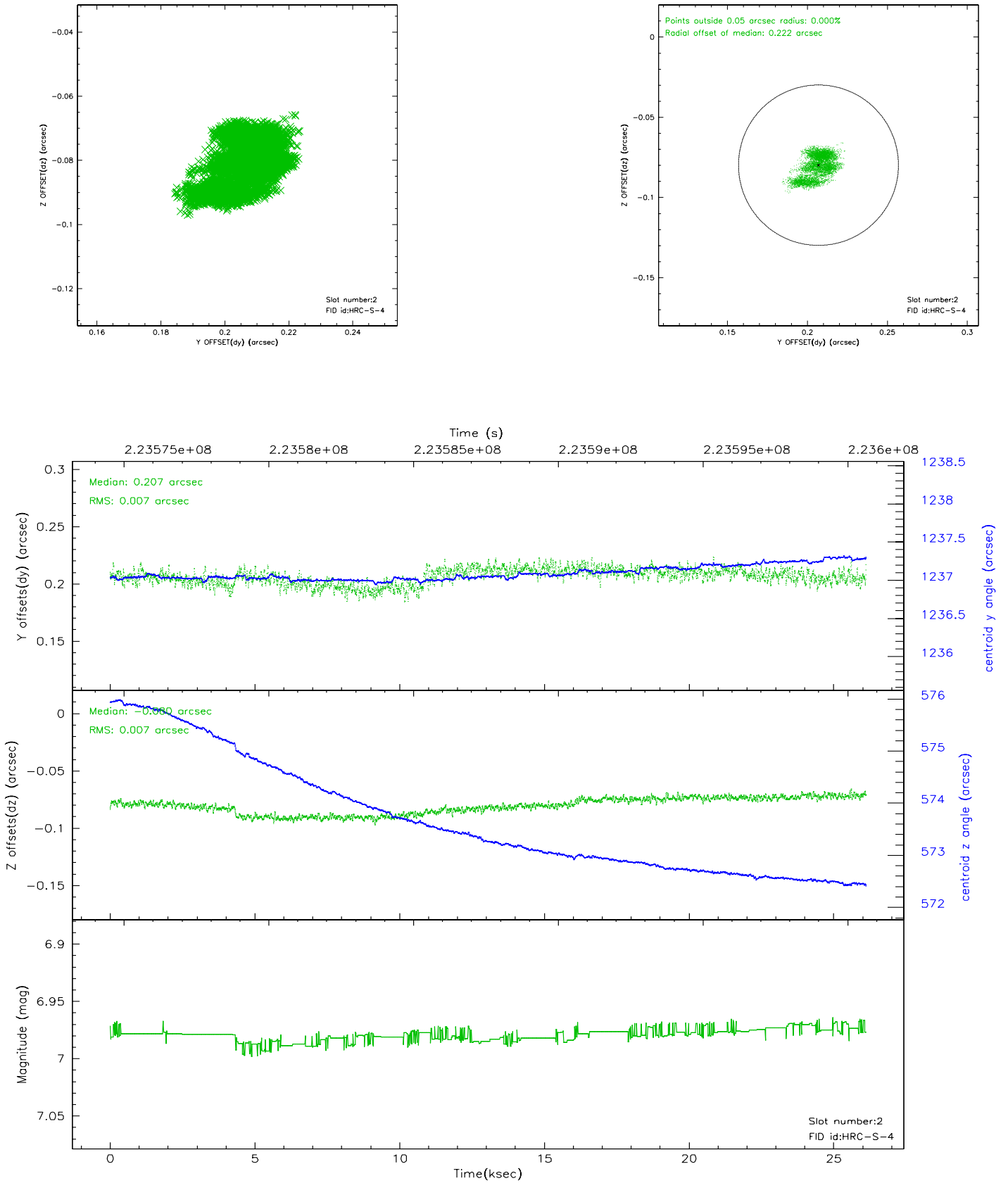
### 2.5.1 Slot 0



## 2.5.2 Slot 1



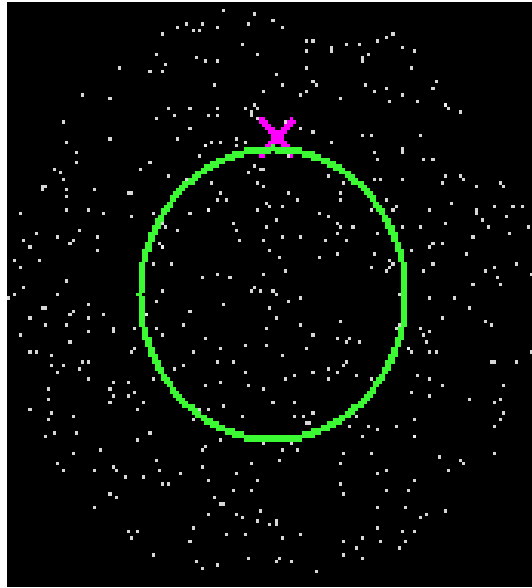
### 2.5.3 Slot 2





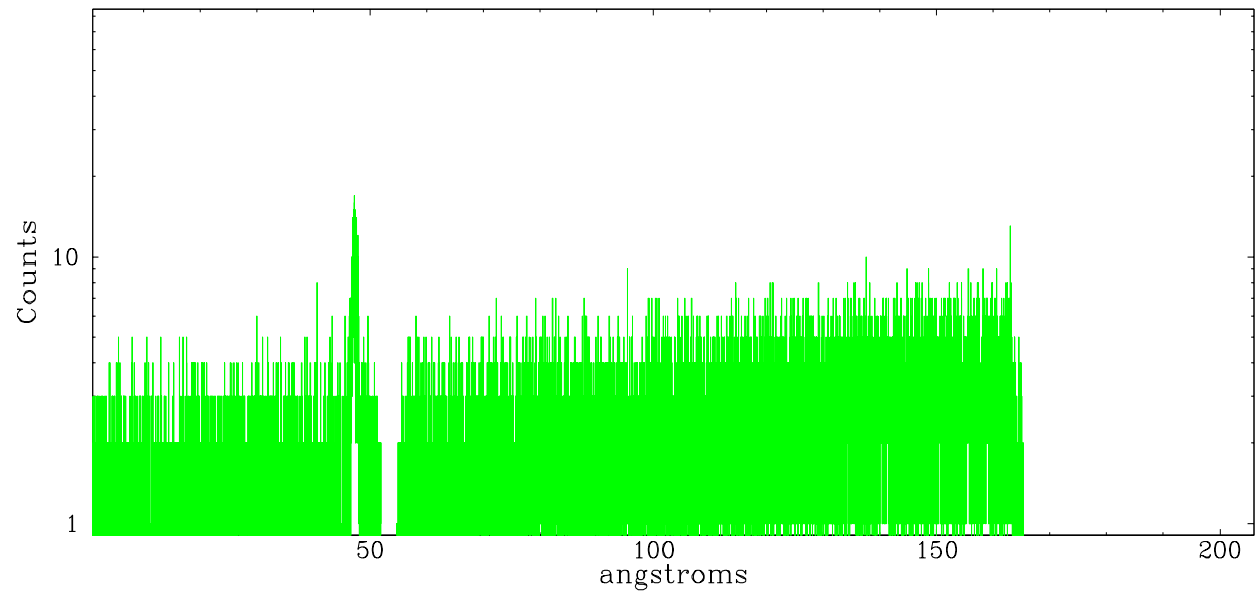
## 3 Gratings

### 3.1 LETG Arm

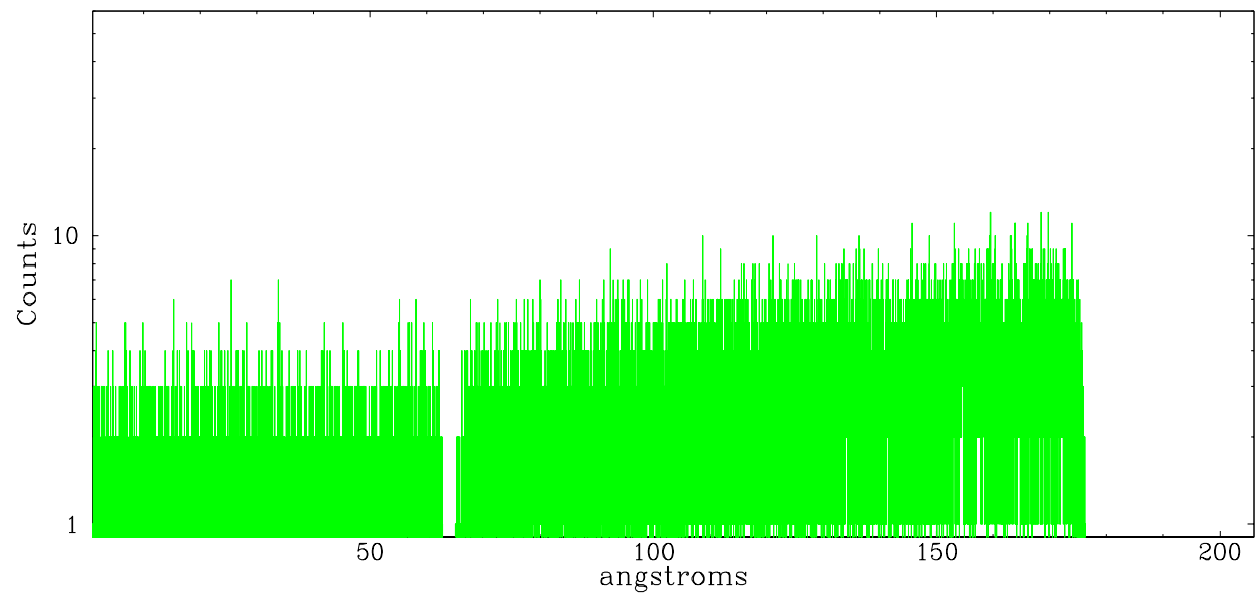


LETG Zero Order

leg order -1



leg order +1



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.12648

### A.2 Comments

Count rate spikes several times during the first half of the observation.