

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3775 - L2 Version 001  
Chandra X-Ray Center

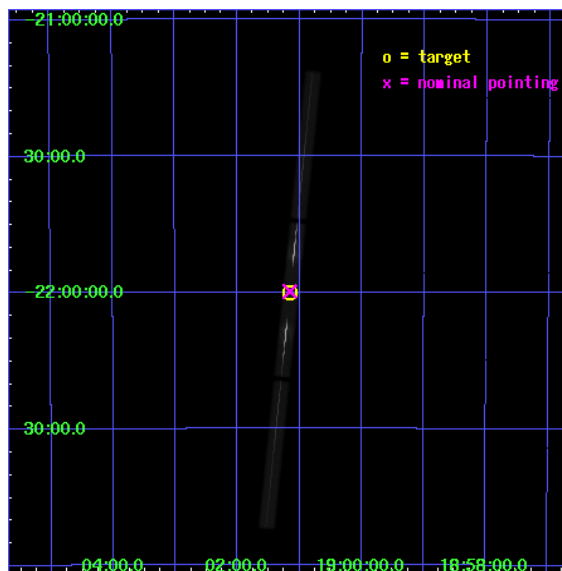
L2 Processing Date : Jul 25 2006

## 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

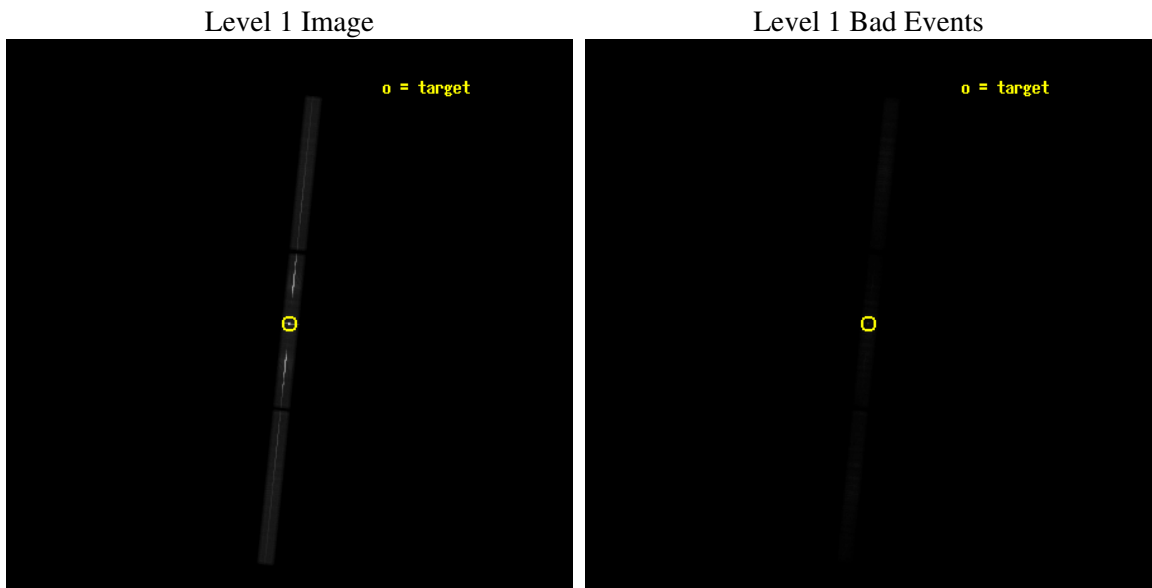
seq_num	300100
obs_id	3775
title	MULTIWAVELNGTH TARGET OF OPPORTUNITY OBSERVATIONS OF A BRIGHT NOVA IN OUTBURST
observer	Professor Sumner Starrfield
object	V4743 Sgr
ra_targ	285.289083
dec_targ	-22.001639
ra_nom	285.28871008104
dec_nom	-21.997039023583
roll_nom	95.870166168353
revision	2
ontime	25071.501056314
livedtime	24712.832728249
l2events	2765862



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-25T09:54:28
revision	2

sched_exp_time	25241.000000
ontime	25153.5010598
l1events	3308541

### 2.1.3 Events

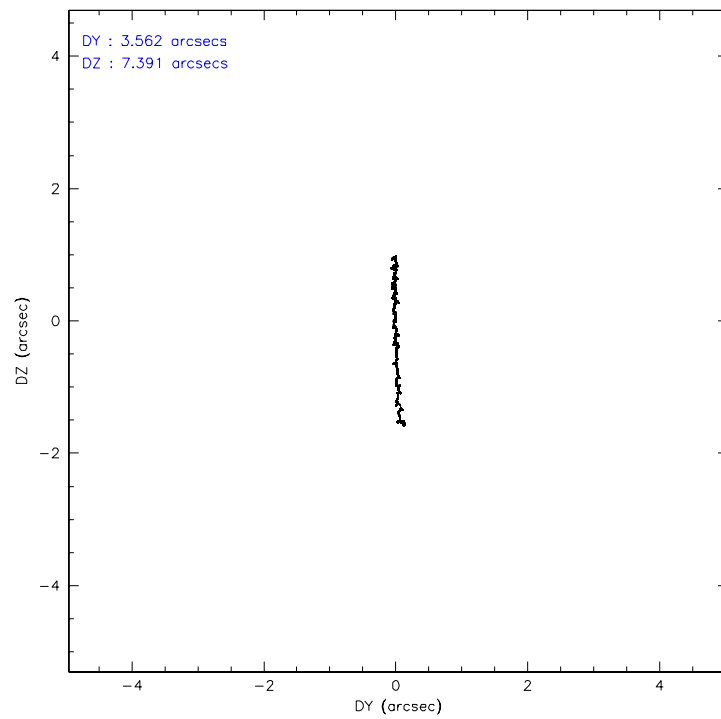
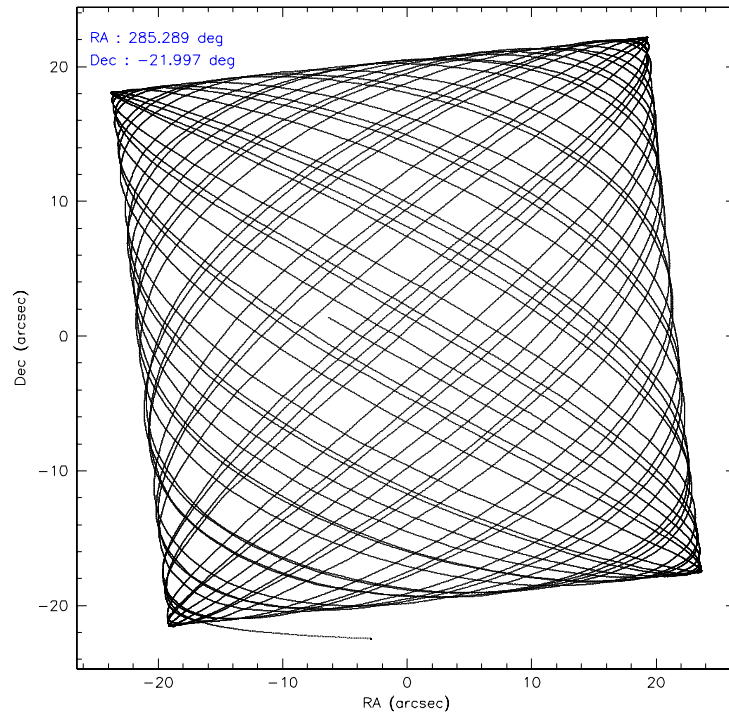
#### Level 1 Events

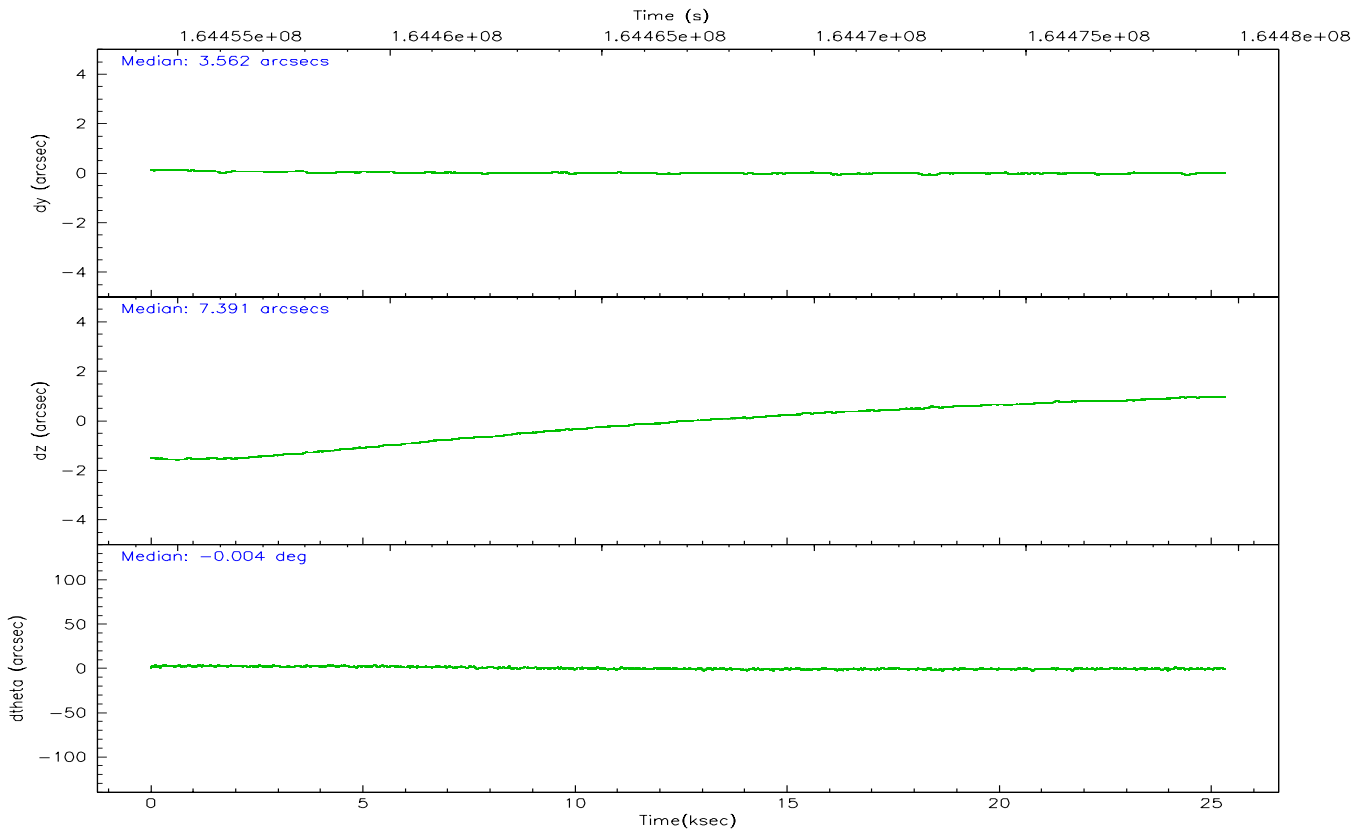
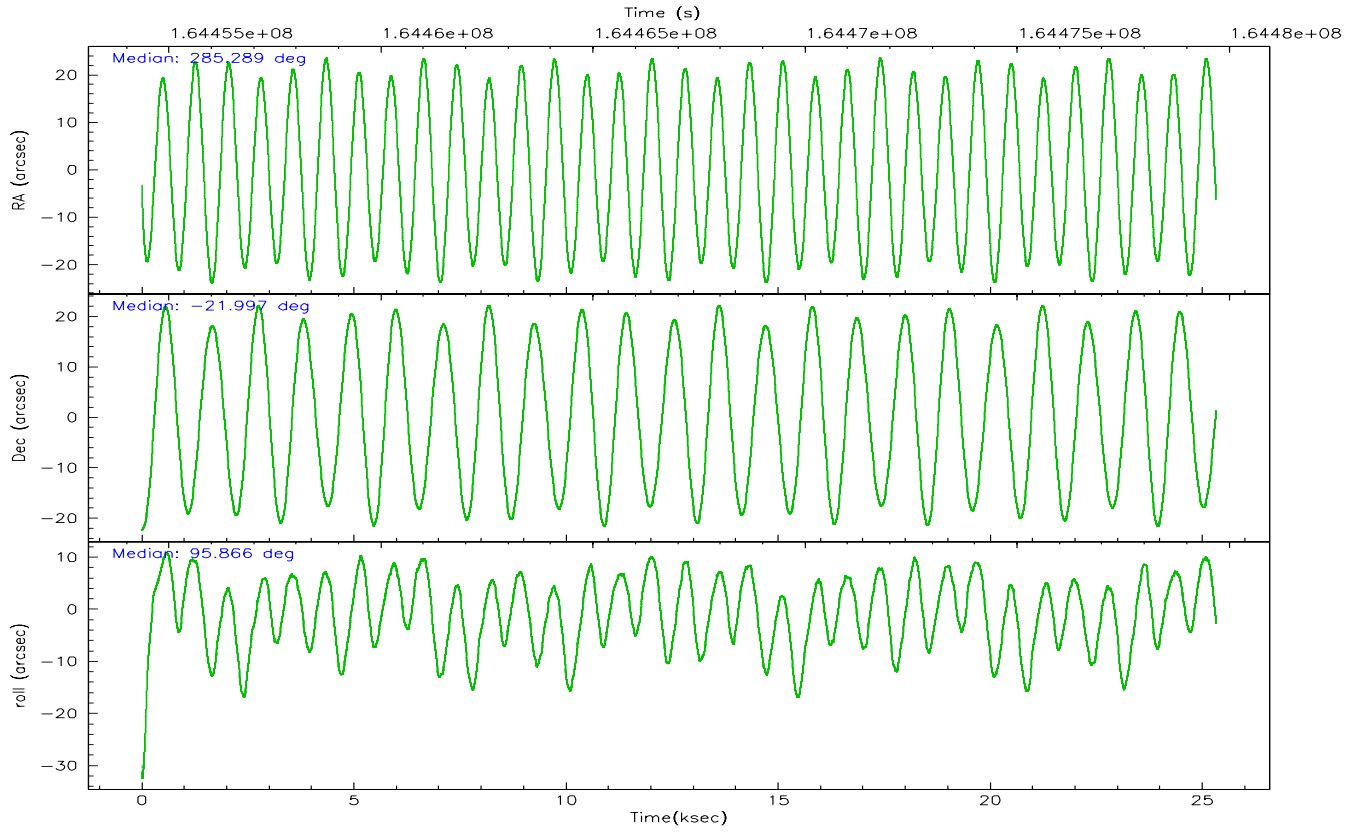
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	598899	2107123	602519
rejected events	115957	128520	141026
rejected %	19%	6%	23%

## 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	285.308010	285.2887100810404			
Pointing Dec	-22.019287	-21.99703902358321			
Pointing Roll	95.810075	95.87016616835342			
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	164454455.184000	164453412.27295			
Observation start date	2003-03-19T09:46:31	2003-03-19T09:30:12			
Observation end time	164479696.184000	164480470.22409			
Observation end date	2003-03-19T16:47:12	2003-03-19T17:01:10			

## 2.3 Aspect



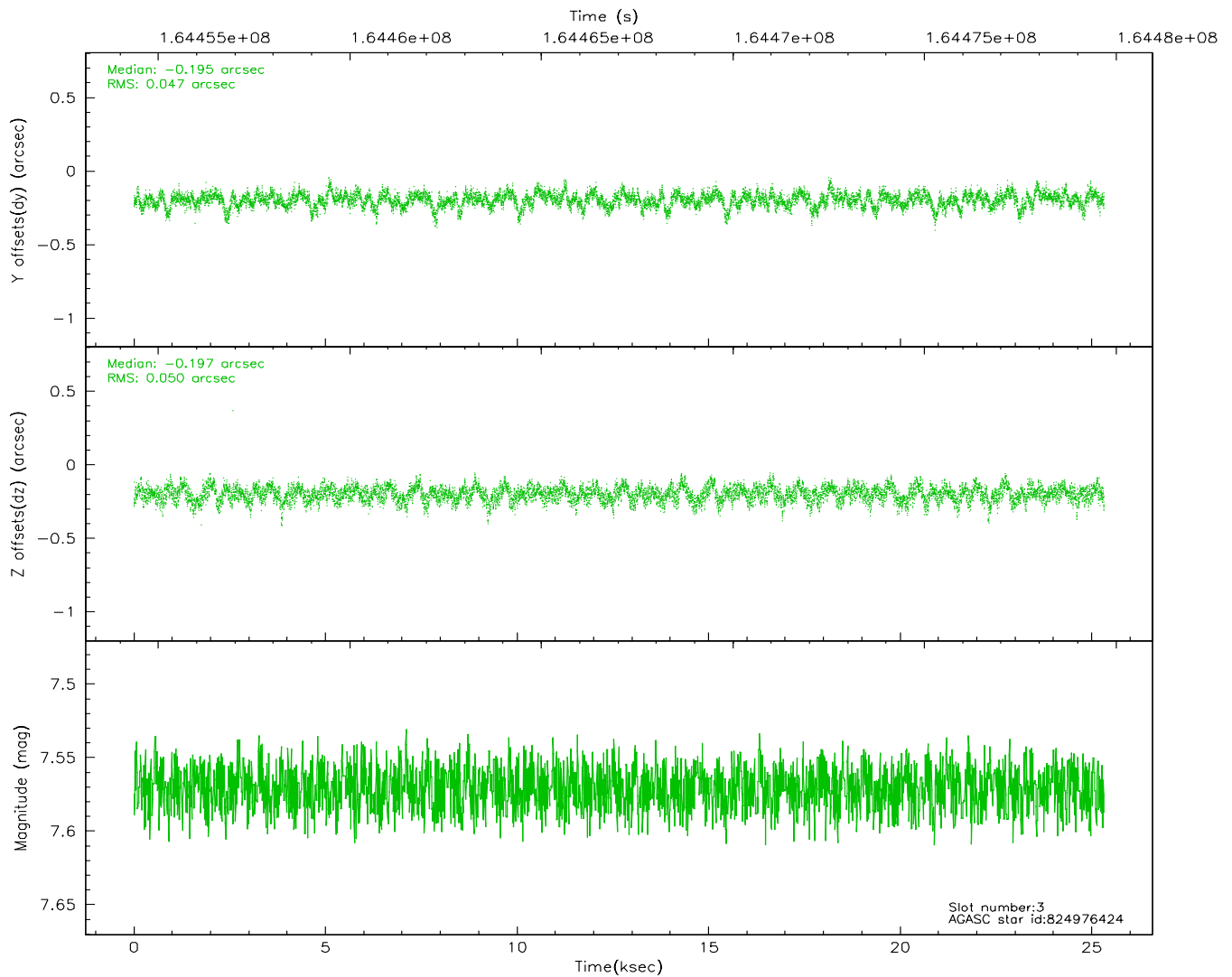
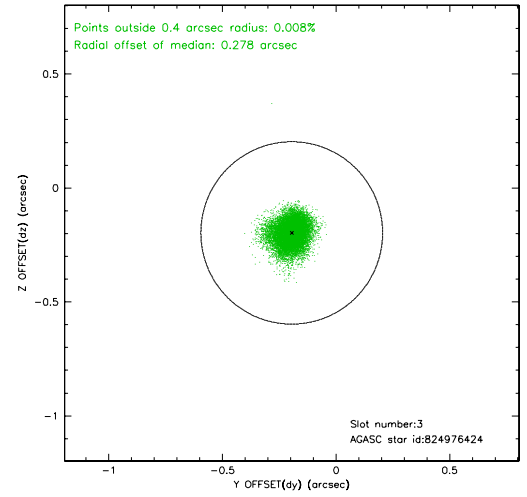
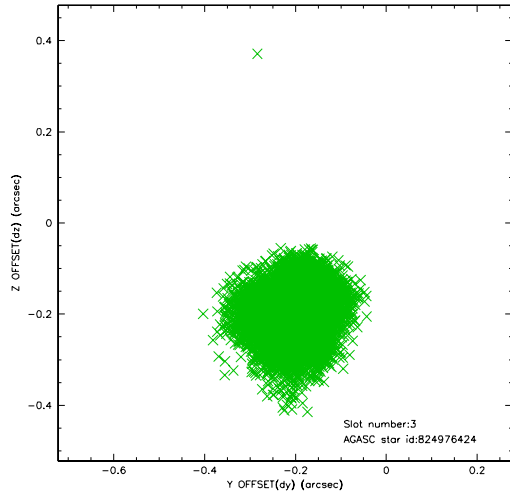


### Slot Statistics

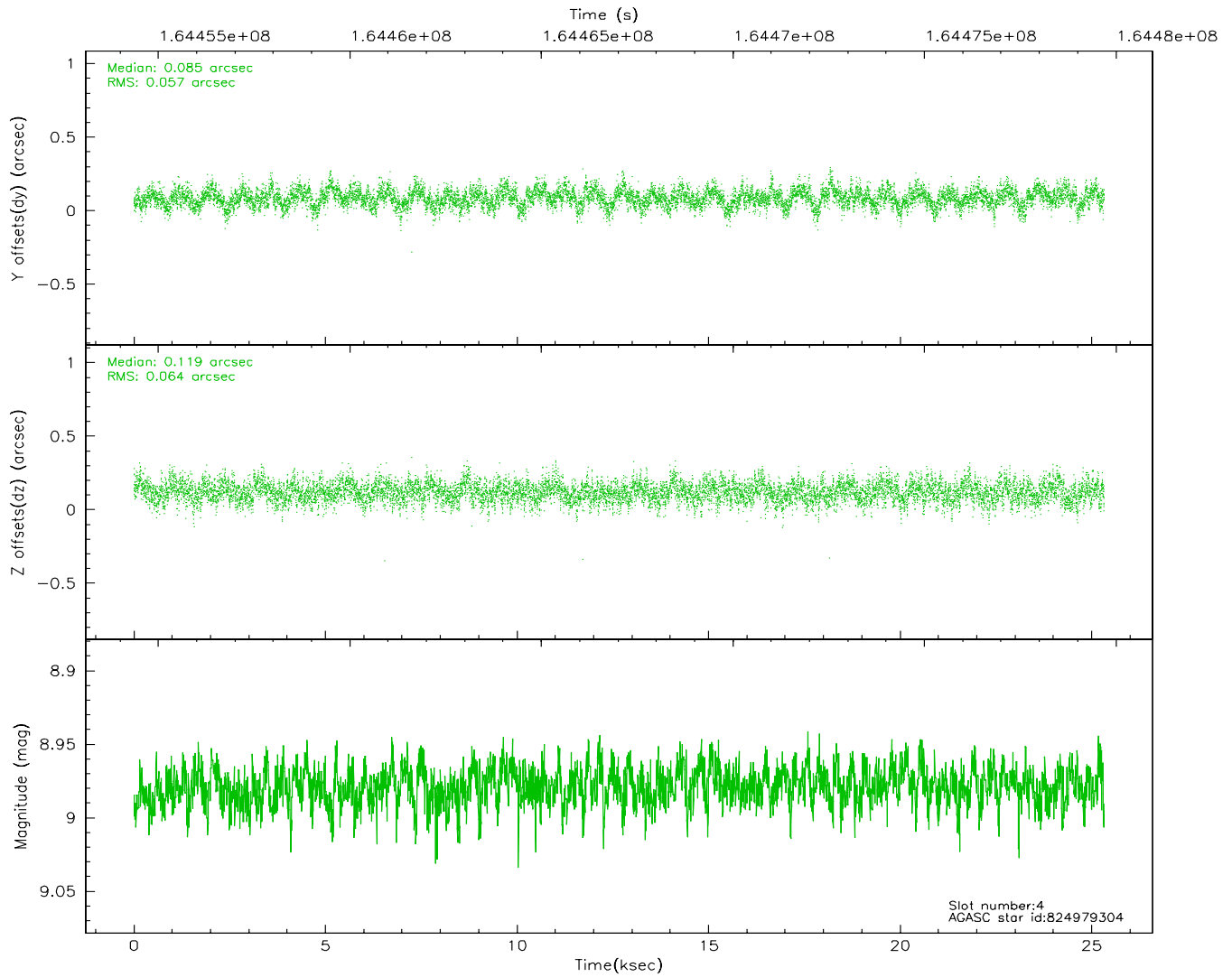
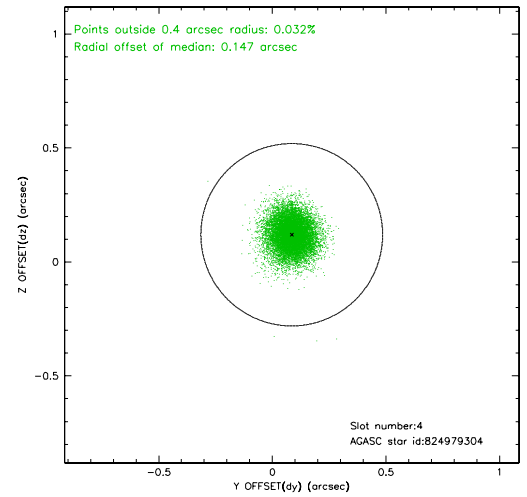
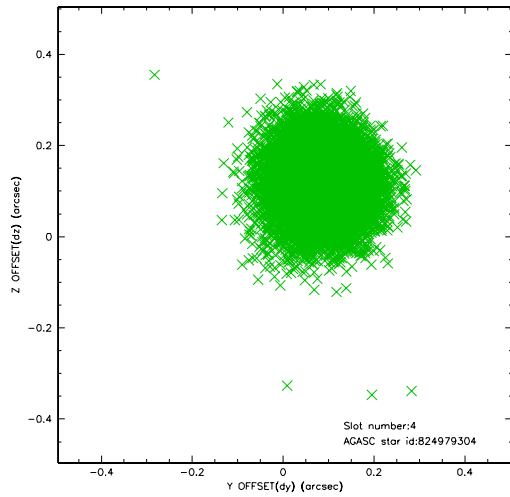
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	6177	0.150	-0.116	0.018	0.061	0.000000	0.000000	-1157.61	-455.79
1	FID	HRC-S-2	6.99	6177	0.090	-0.092	0.008	0.014	0.000000	0.000000	1241.83	-448.47
2	FID	HRC-S-3	7.01	6175	0.151	-0.095	0.019	0.067	0.000000	0.000000	-1160.13	573.71
3	GUIDE	824976424	7.57	12352	-0.195	-0.197	0.072	0.118	284.900091	-21.828249	820.46	1286.78
4	GUIDE	824979304	8.98	12347	0.085	0.119	0.091	0.147	285.497931	-22.093264	-328.92	-602.94
5	GUIDE	824979864	9.38	12350	-0.181	-0.300	0.133	0.226	284.670947	-21.972498	378.45	2099.11
6	GUIDE	824977840	9.18	12340	0.062	0.153	0.092	0.149	285.448876	-22.329632	-1158.73	-353.22
7	GUIDE	824977064	9.80	12336	0.212	0.222	0.158	0.305	285.607583	-22.499923	-1822.68	-815.85

## 2.4 Star Slots

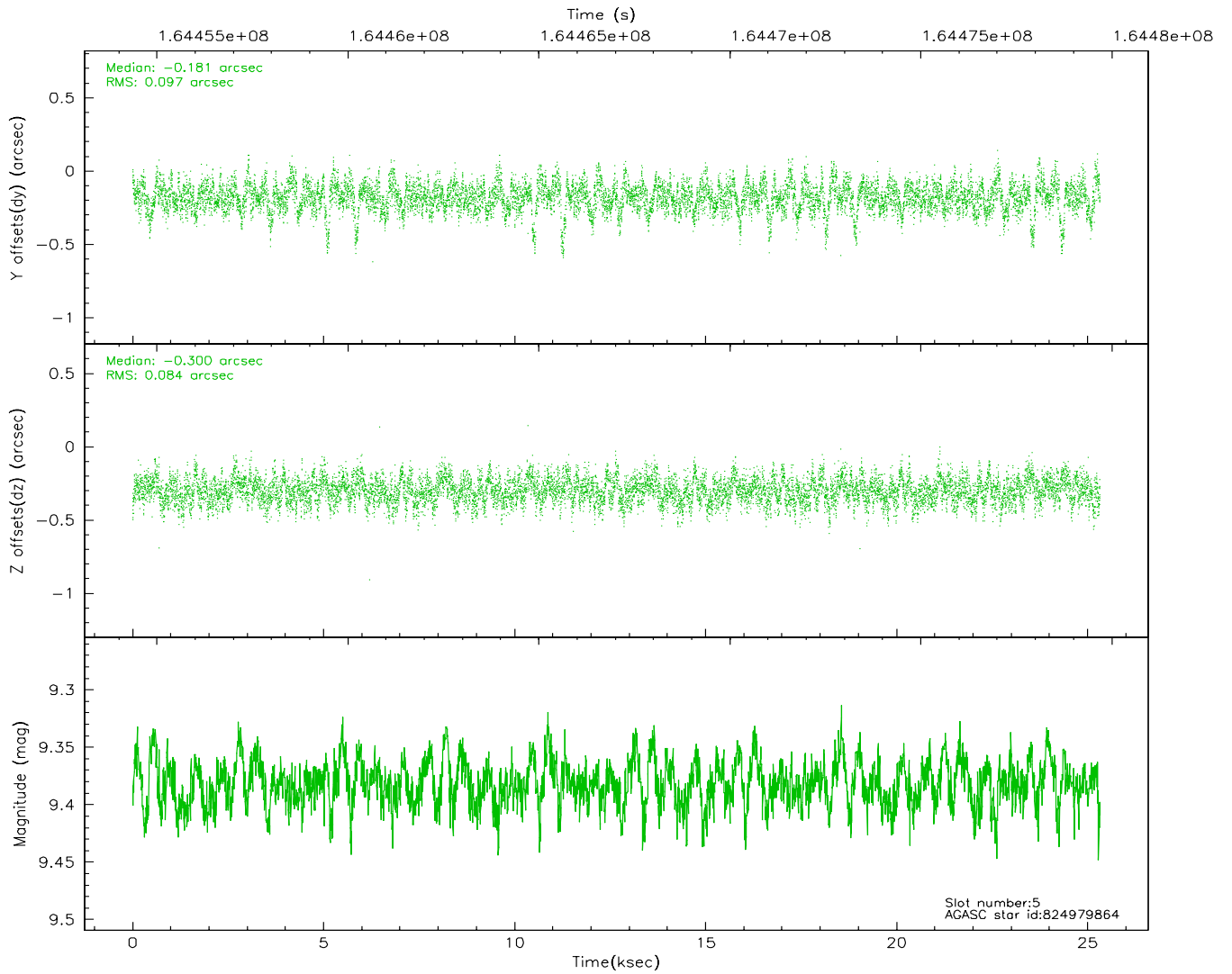
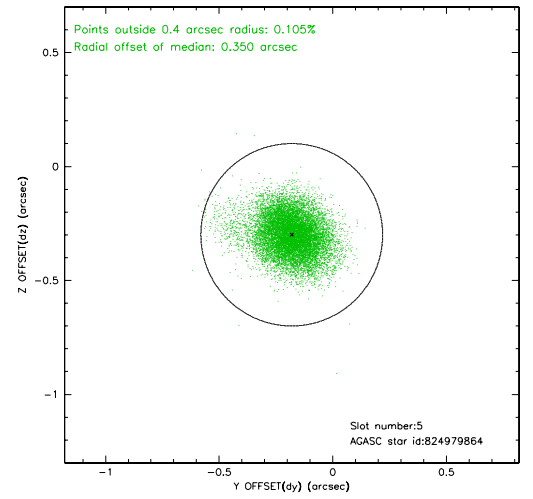
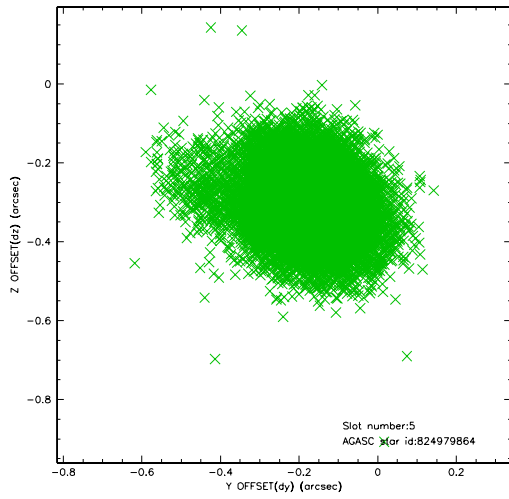
### 2.4.1 Slot 3



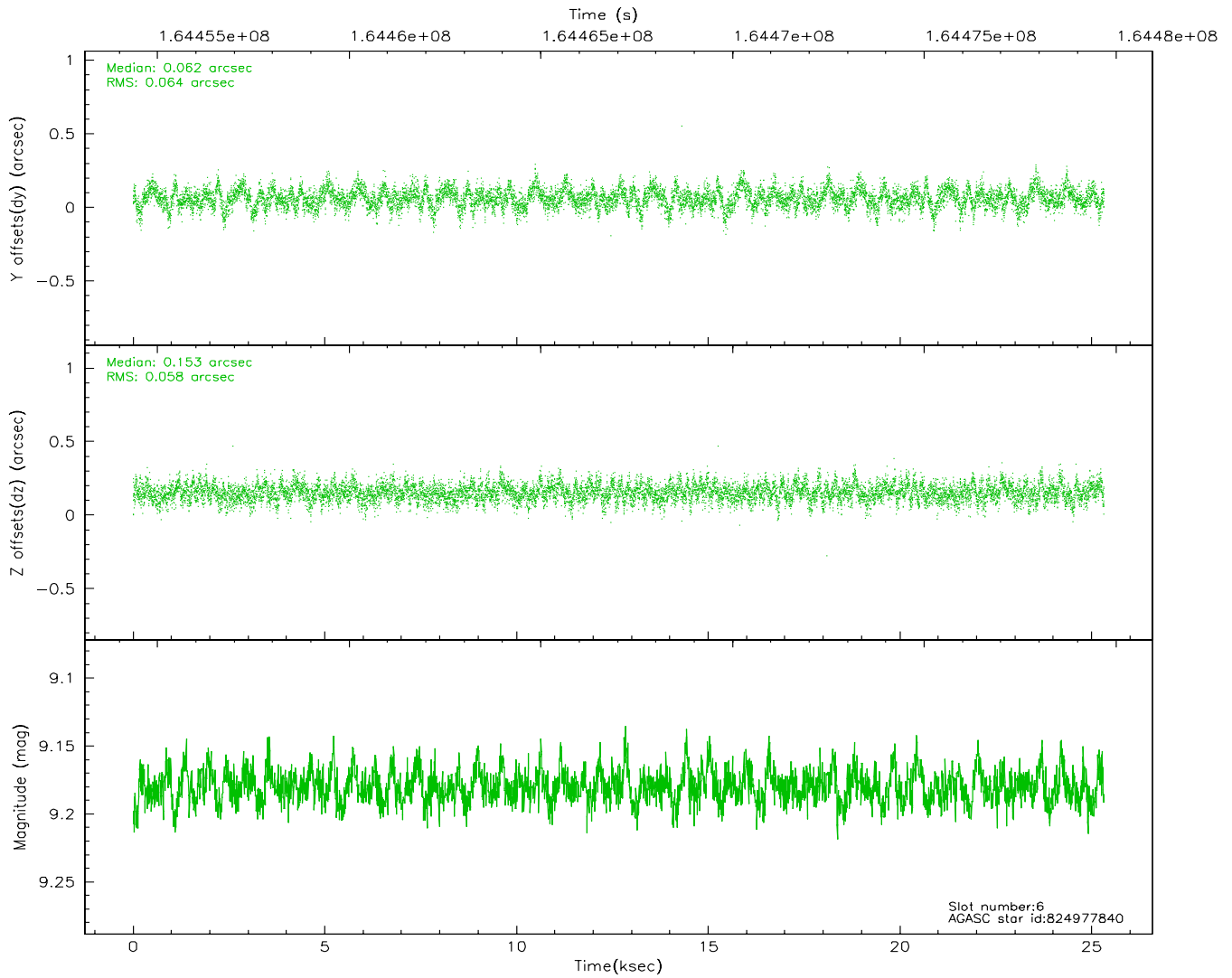
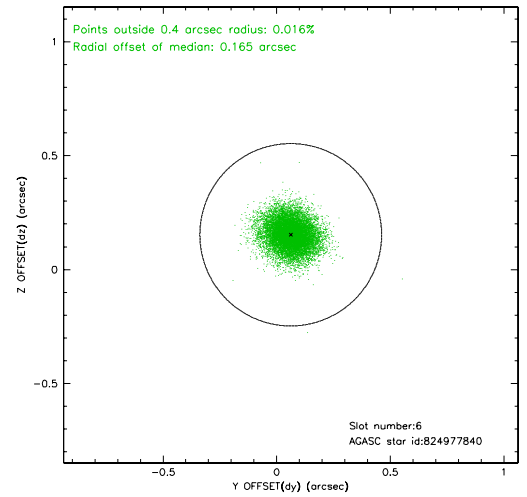
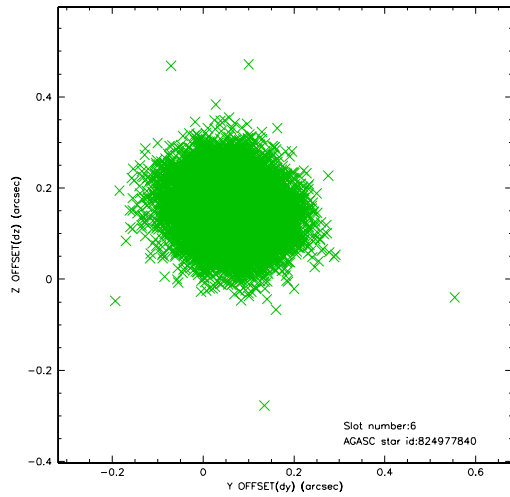
## 2.4.2 Slot 4



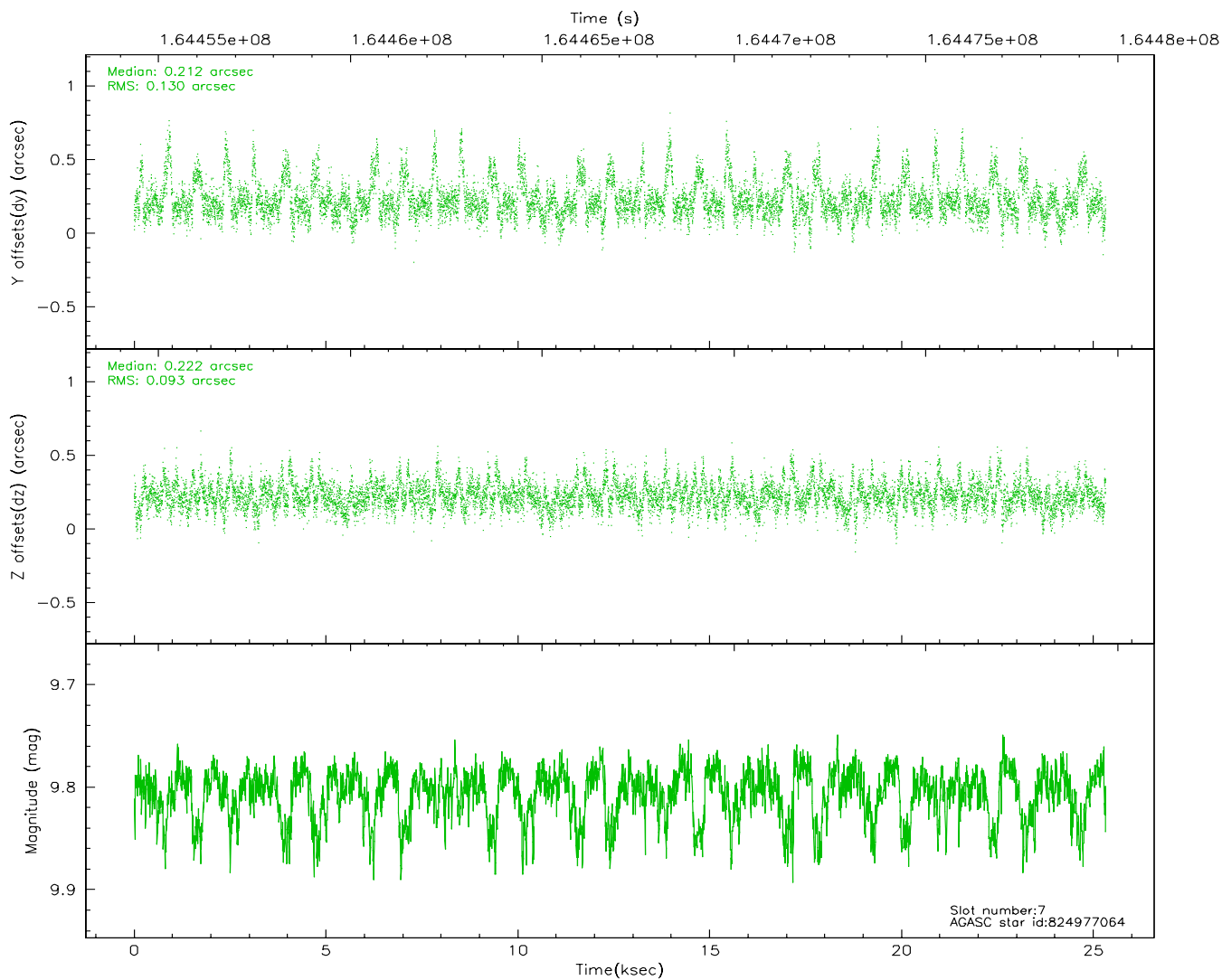
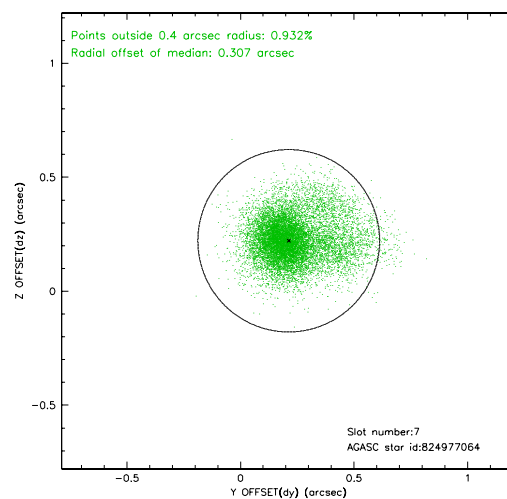
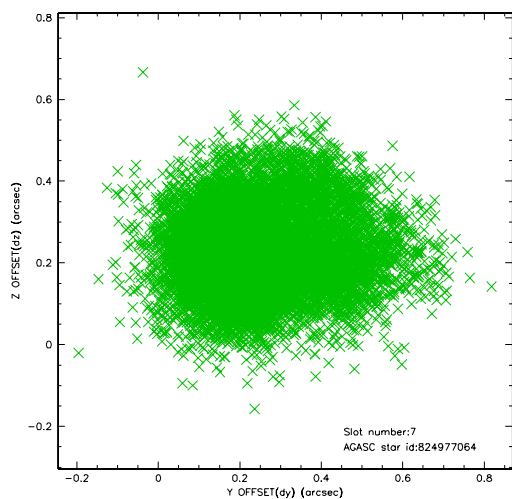
### 2.4.3 Slot 5



### 2.4.4 Slot 6

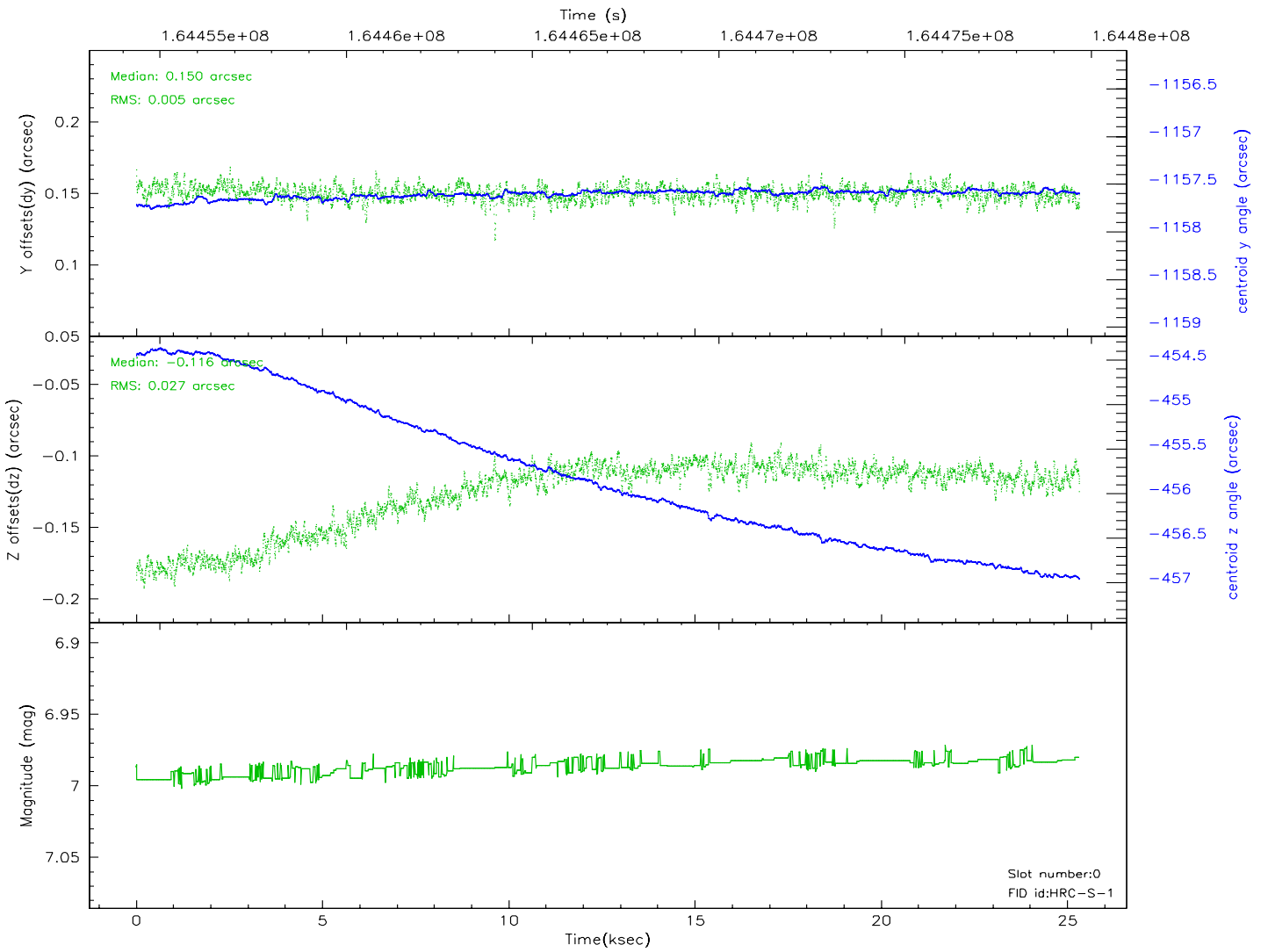
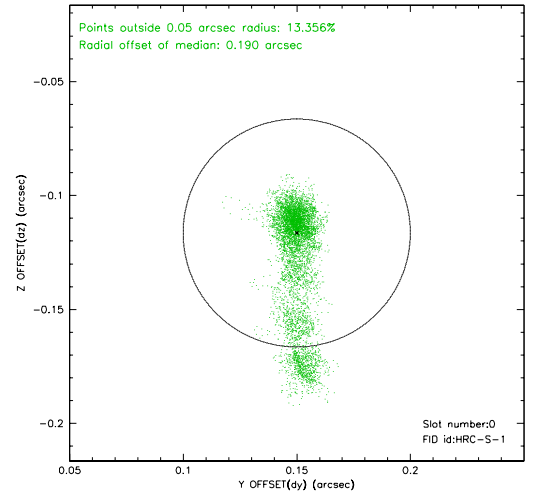
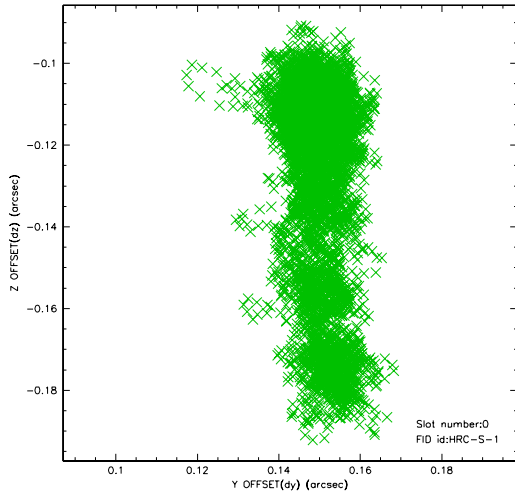


## 2.4.5 Slot 7

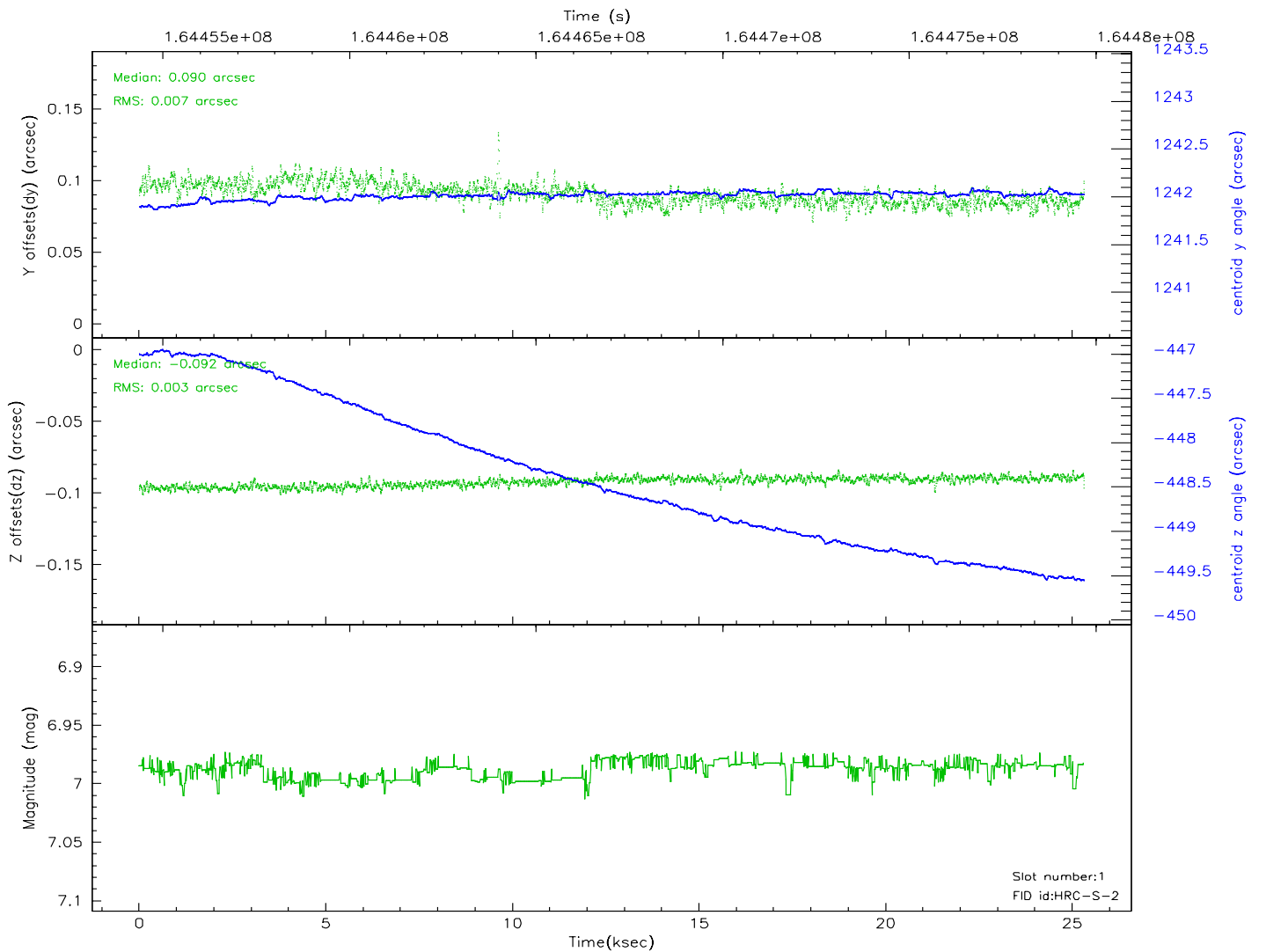
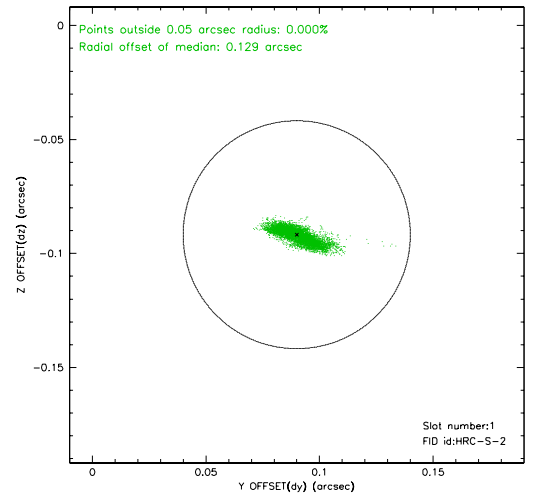
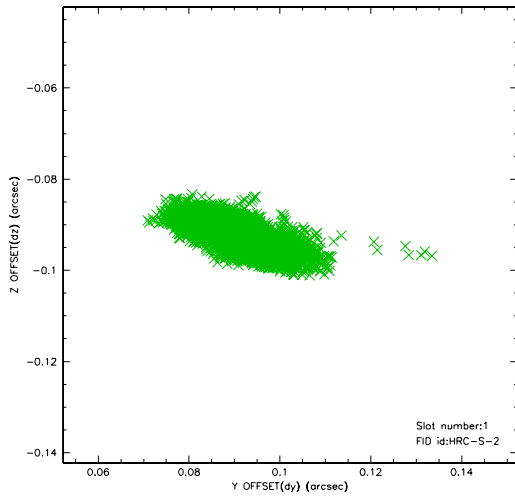


## 2.5 FID Slots

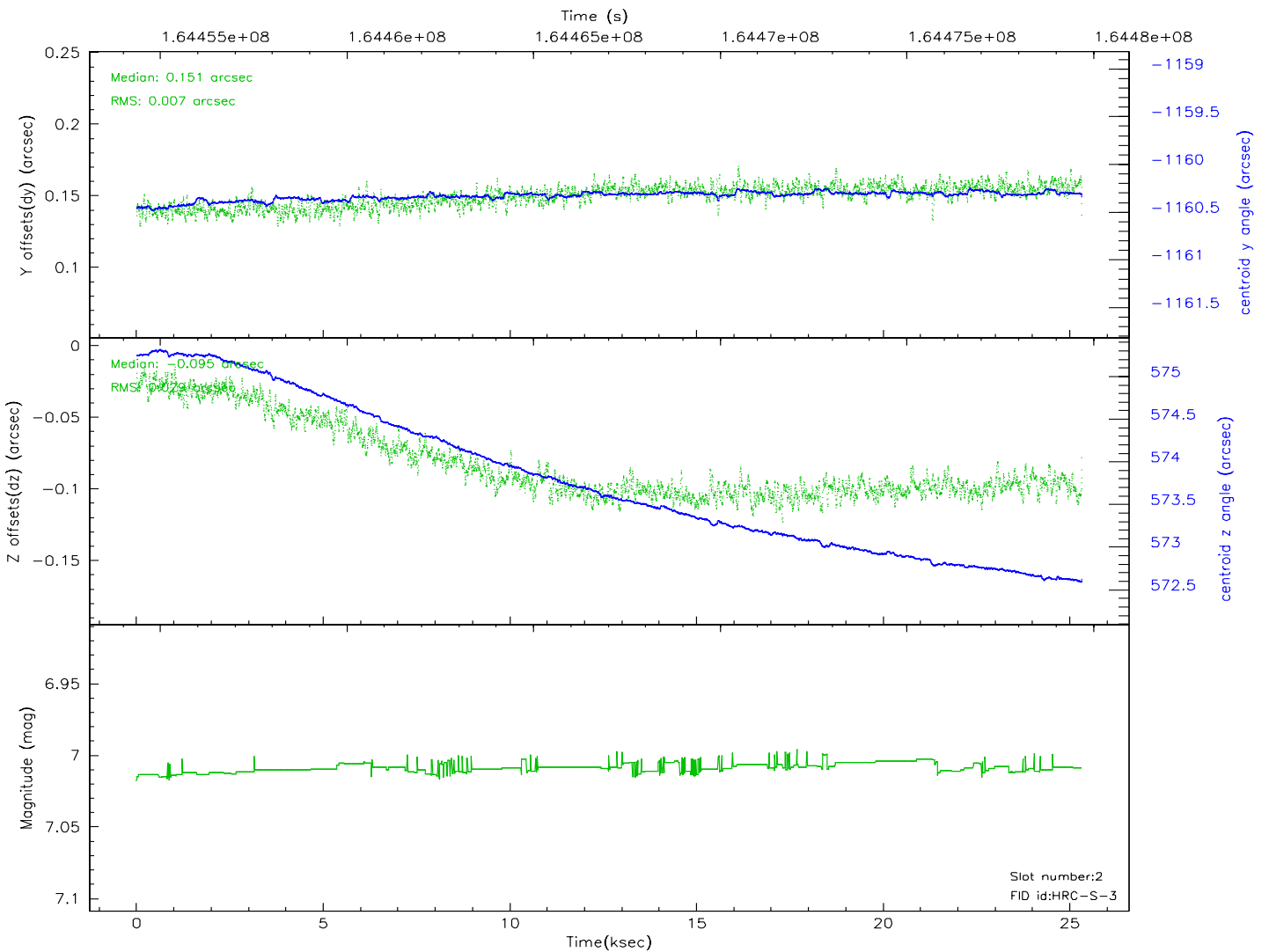
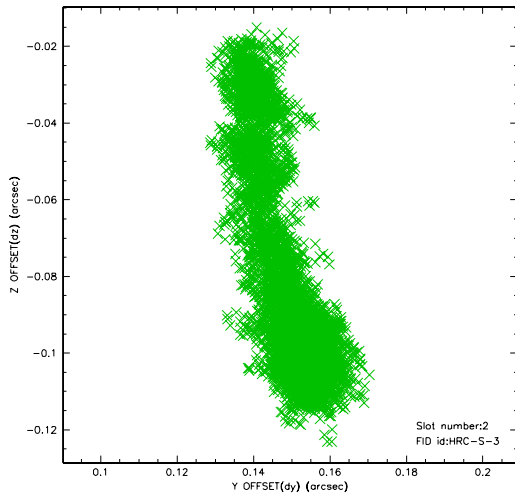
### 2.5.1 Slot 0



## 2.5.2 Slot 1

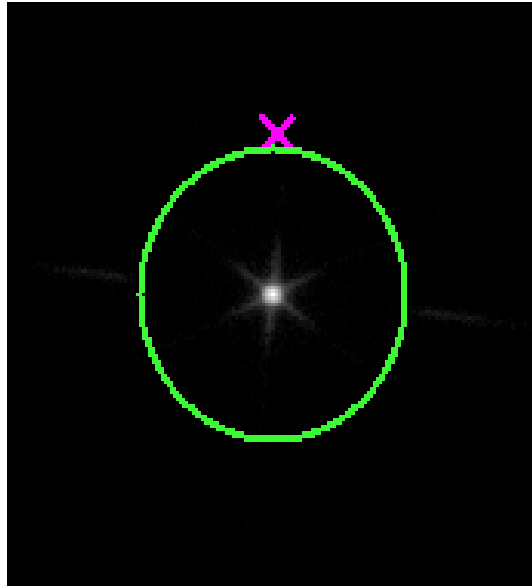


### 2.5.3 Slot 2



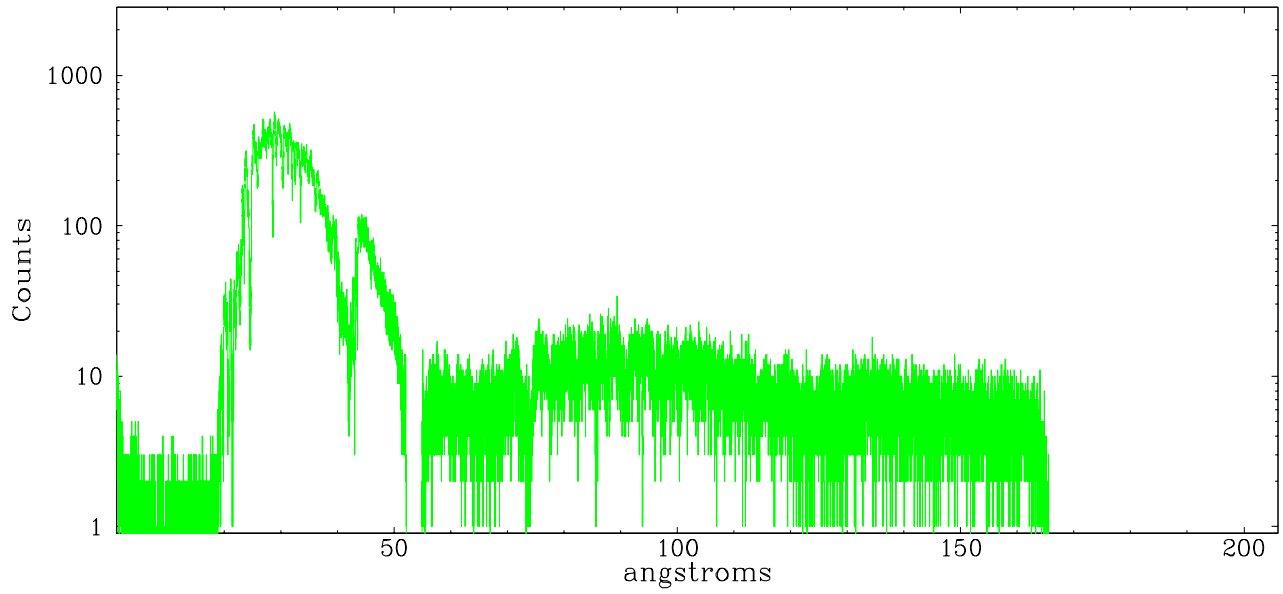
## 3 Gratings

### 3.1 LETG Arm

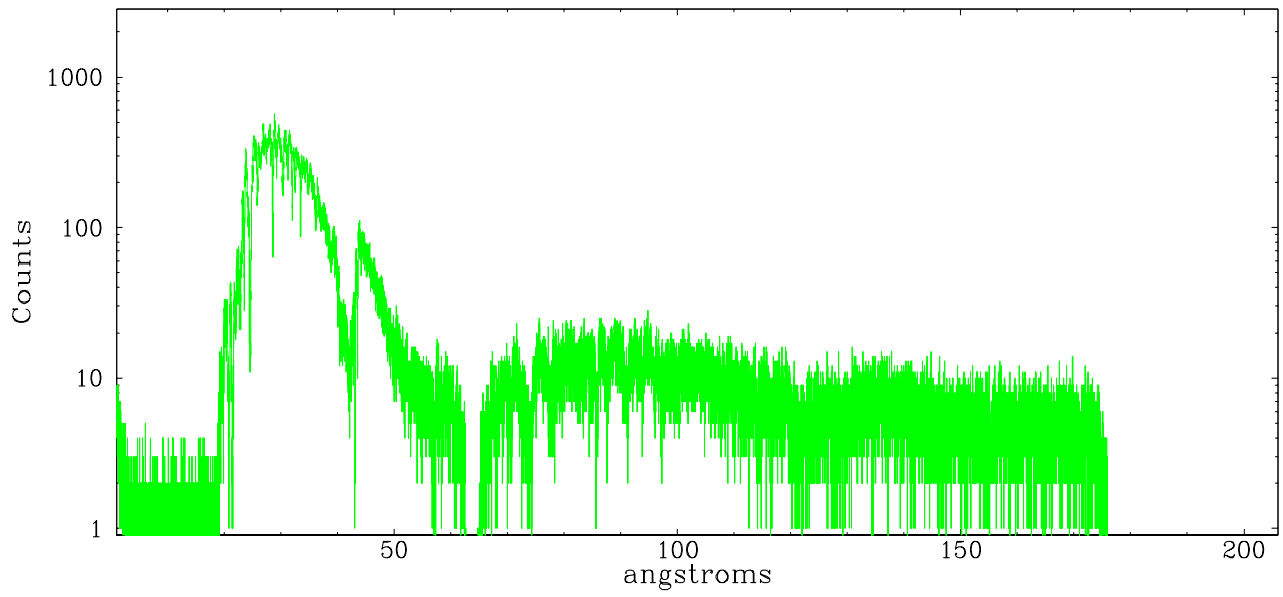


LETG Zero Order

leg order -1



leg order +1



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.07

## A.2 Comments