

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 7389 - L2 Version 3  
Chandra X-Ray Center

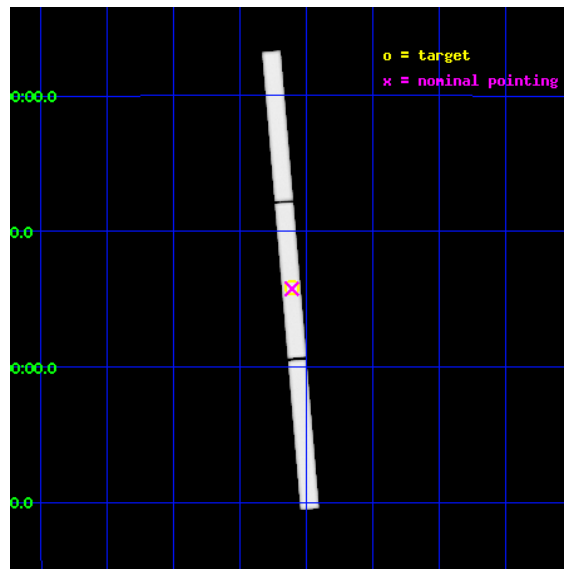
L2 Processing Date : Aug 11 2012

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# 1 Front

seq_num	300183	Sequence number
obs_id	7389	Observation id
title	RS Oph: Exploring the Site of a Recurrent Symbiotic Nova Explosion	&#160
observer	Regents' Professor Sumner Starrfield	Principal investigator
object	RS Oph	Source name
ra_targ	267.555	Observer's specified target RA [deg]
dec_targ	-6.707917	Observer's specified target Dec [deg]
ra_nom	267.55450275969	Nominal RA [deg]
dec_nom	-6.7125684835495	Nominal Dec [deg]
roll_nom	265.06727638266	Nominal Roll [deg]
revision	3	Processing version of data
ontime	40189.483139277	[s]
livetime	39824.577008311	Ontime multiplied by DTCOR
l2events	3081279	Number of level 2 events

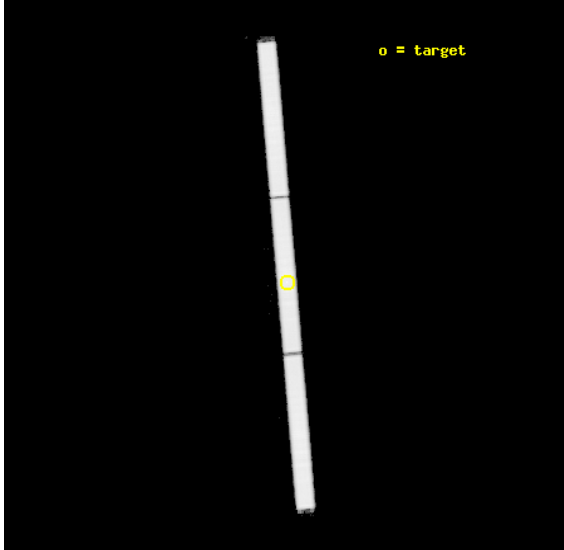


## 2 OBI

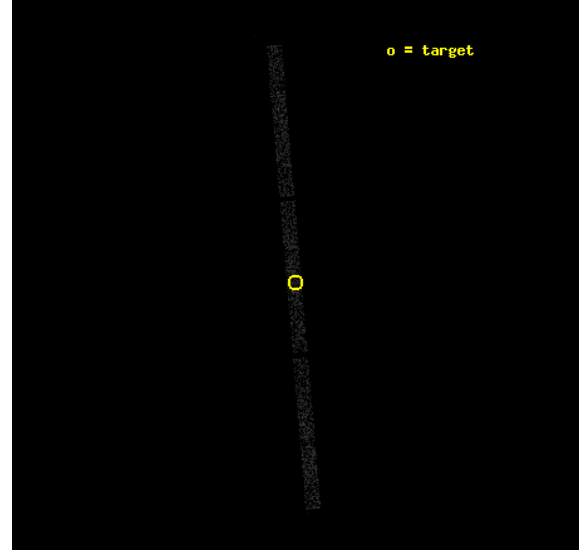
### 2.1 OBI

#### 2.1.1 Images

Level 1 Image



Level 1 Bad Events



## 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40189.483139277	[s]
caldbver	4.5.1.1	&#160	l1events	4114421	Number of level 1 events
date	2012-08-11T10:23:35	Date and time of file creation			
revision	3	Processing version of data			

## 2.1.3 Events

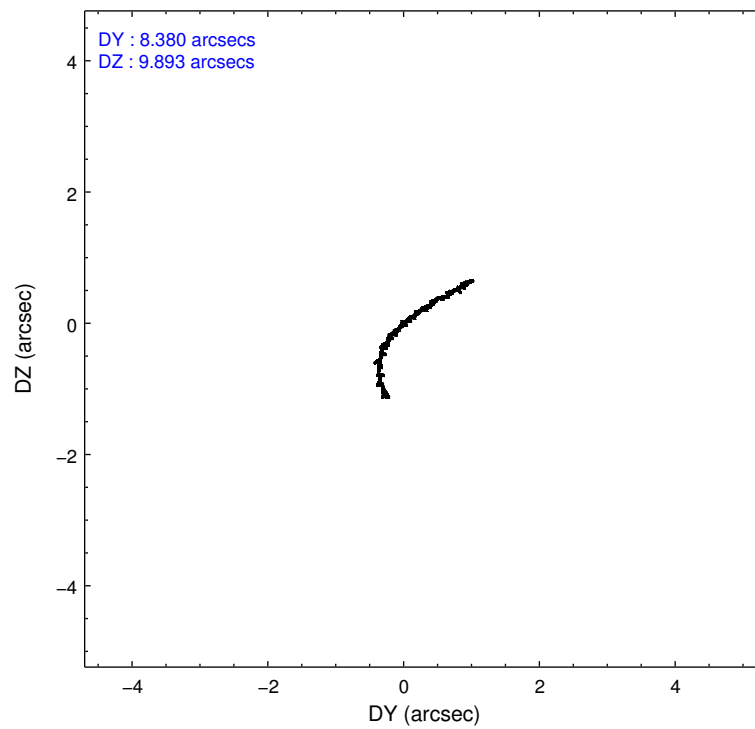
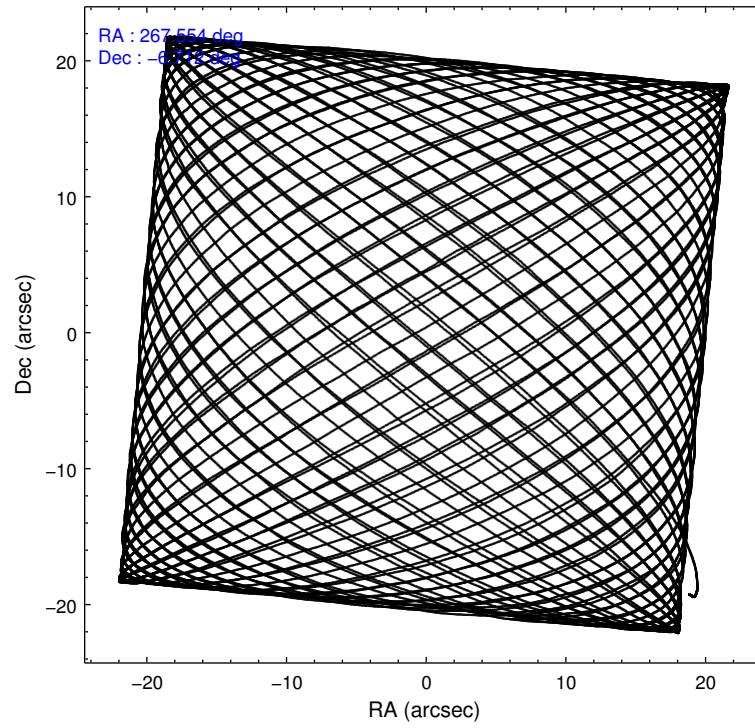
### Level 1 Events

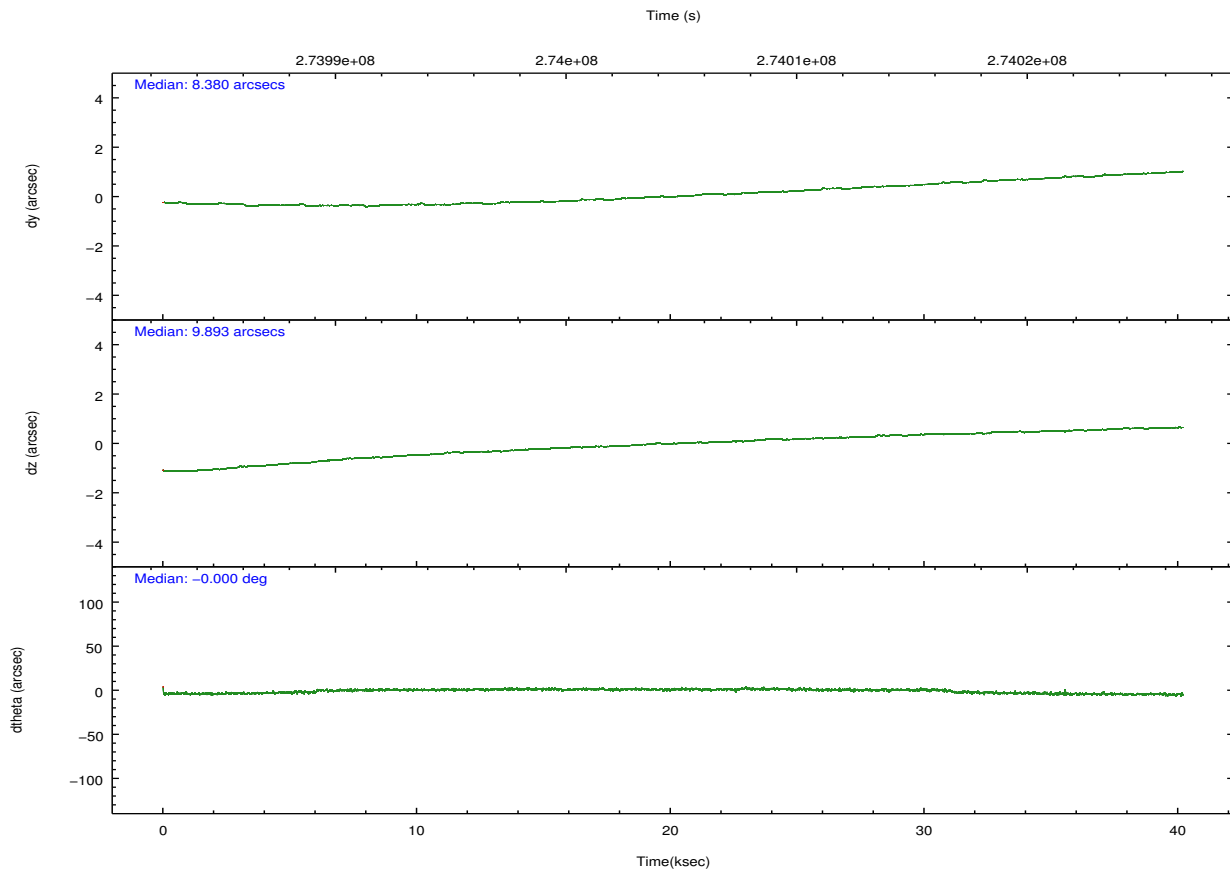
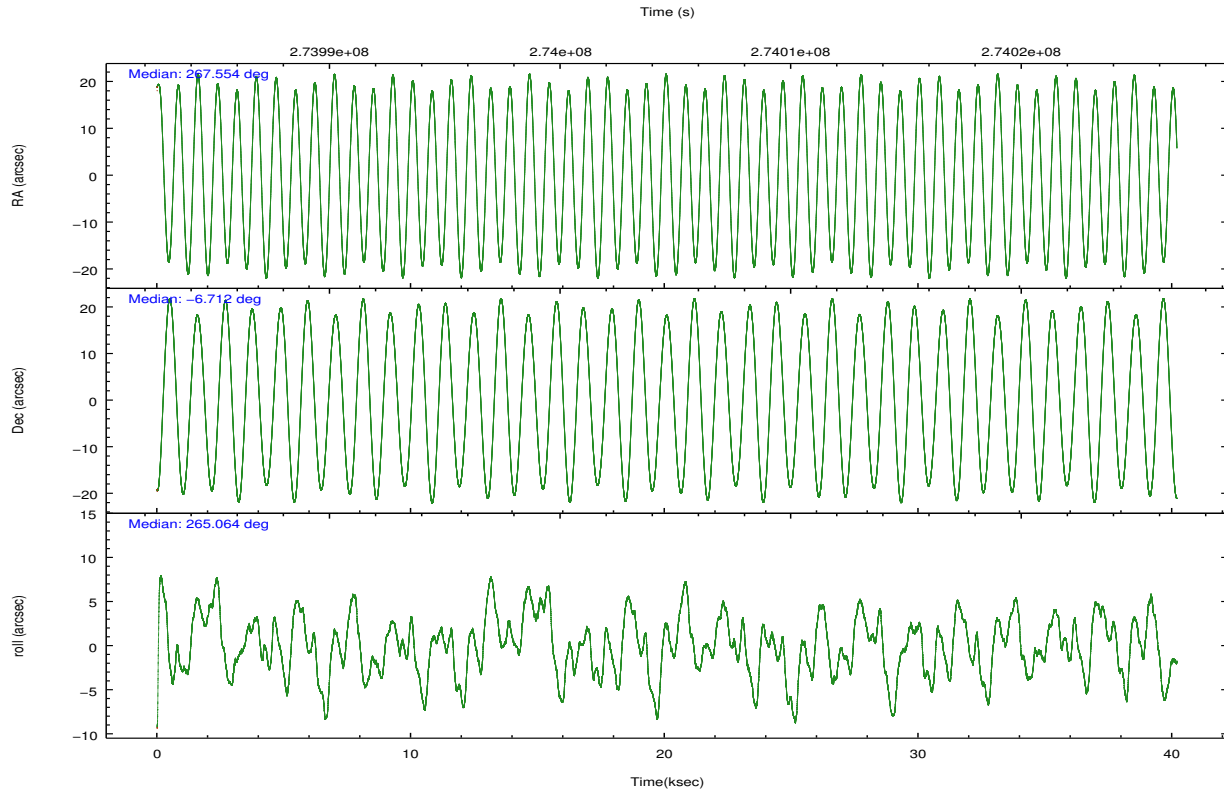
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1395087	1338468	1380866
rejected events	26532	25993	26551
rejected %	1%	1%	1%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
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			
[deg] Pointing RA	267.540980	267.5545027596927			
[deg] Pointing Dec	-6.687290	-6.712568483549496			
[deg] Pointing Roll	264.998369	265.0672763826617			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	273984751.184000	273983837.85757			
Observation start date	2006-09-07T02:51:26	2006-09-07T02:37:17			
[s] Observation end time (MET)	274024751.184000	274026519.37208			
Observation end date	2006-09-07T13:58:06	2006-09-07T14:28:39			

## 2.3 Aspect



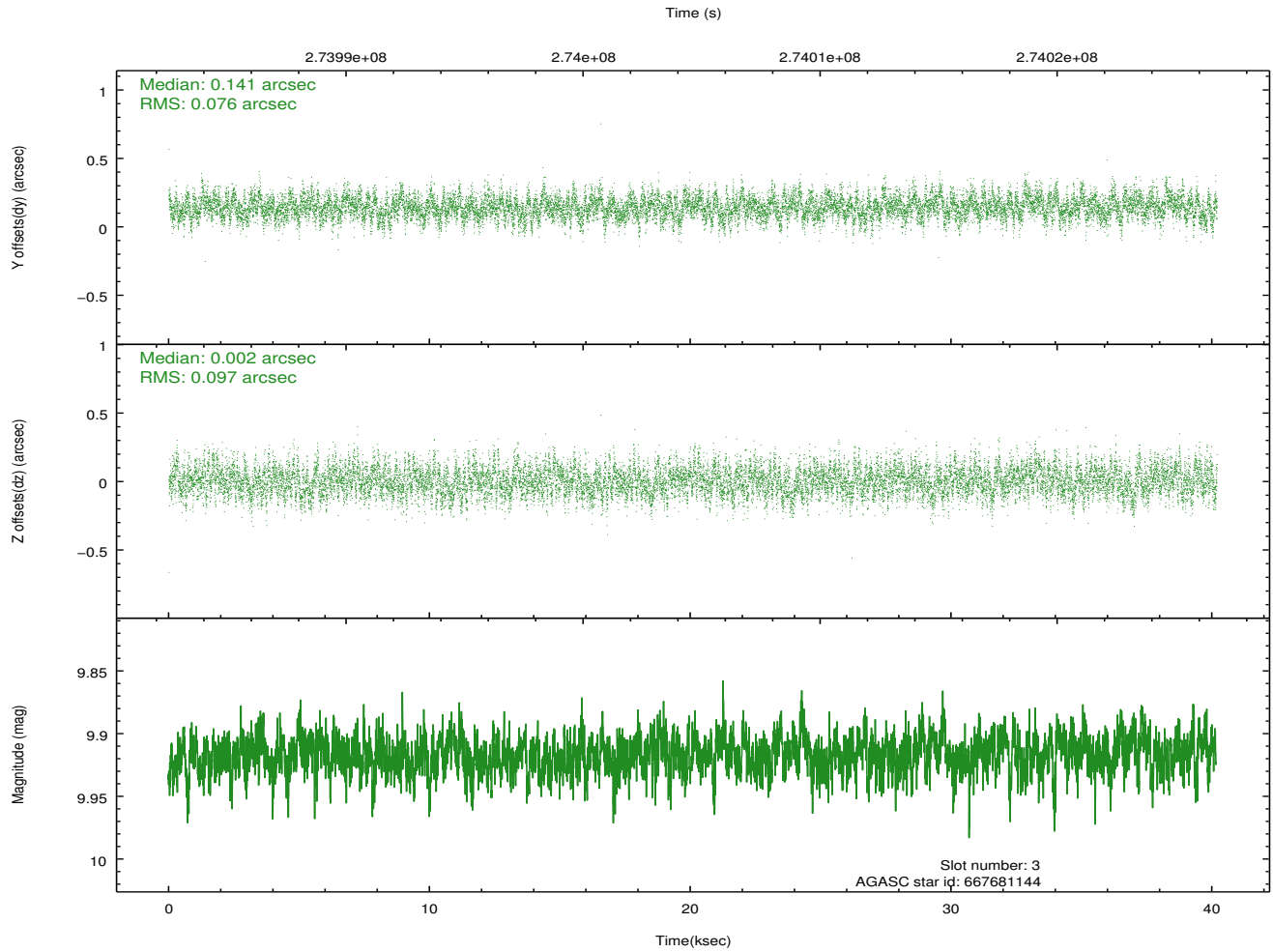
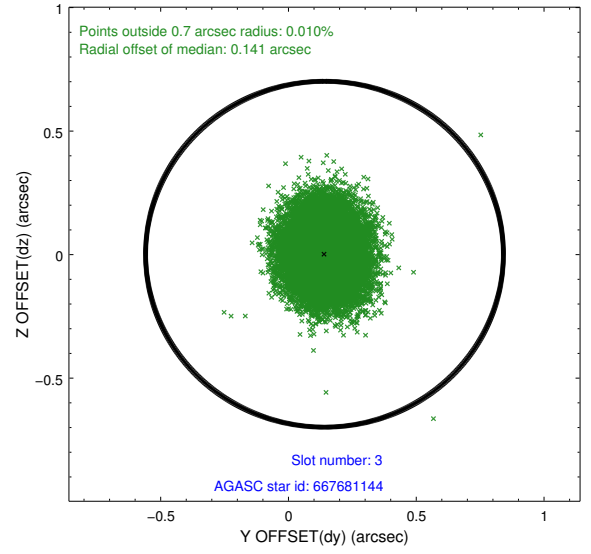
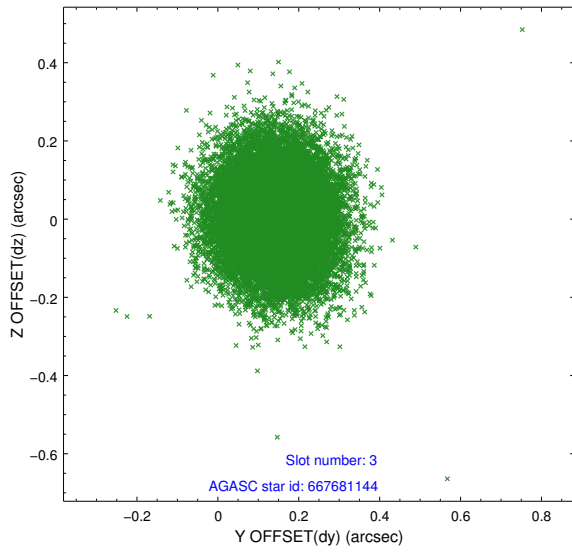


### Slot Statistics

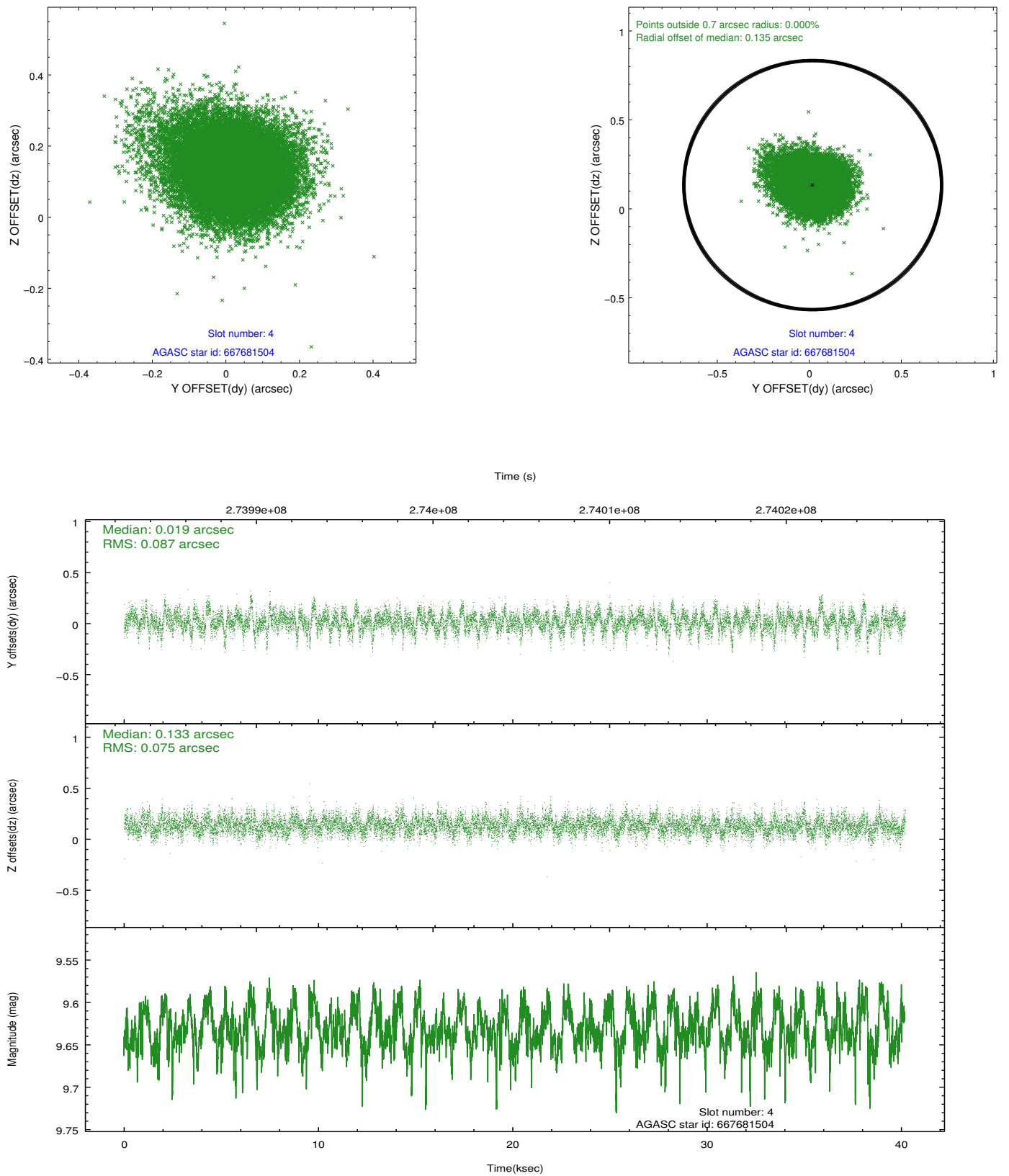
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.02	9803	0.150	-0.101	0.028	0.058	0.000000	0.000000	1236.98	-451.14
1	FID	HRC-S-3	7.04	9802	0.027	-0.092	0.016	0.054	0.000000	0.000000	-1165.35	571.12
2	FID	HRC-S-4	7.01	9803	0.225	-0.104	0.029	0.074	0.000000	0.000000	1235.56	573.66
3	GUIDE	667681144	9.92	19576	0.141	0.002	0.132	0.213	267.013326	-6.291734	-1252.29	-2004.93
4	GUIDE	667681504	9.63	19574	0.019	0.133	0.120	0.202	267.752861	-6.895149	680.26	820.34
5	GUIDE	667683168	9.37	19504	0.197	0.020	0.107	0.181	267.624316	-7.281951	2107.54	483.42
6	GUIDE	667683800	8.86	19593	-0.162	-0.156	0.096	0.155	266.906535	-6.565778	-235.97	-2298.37
7	GUIDE	667681872	9.46	19513	-0.191	0.004	0.114	0.190	267.641810	-6.050285	-2314.84	159.53

## 2.4 Star Slots

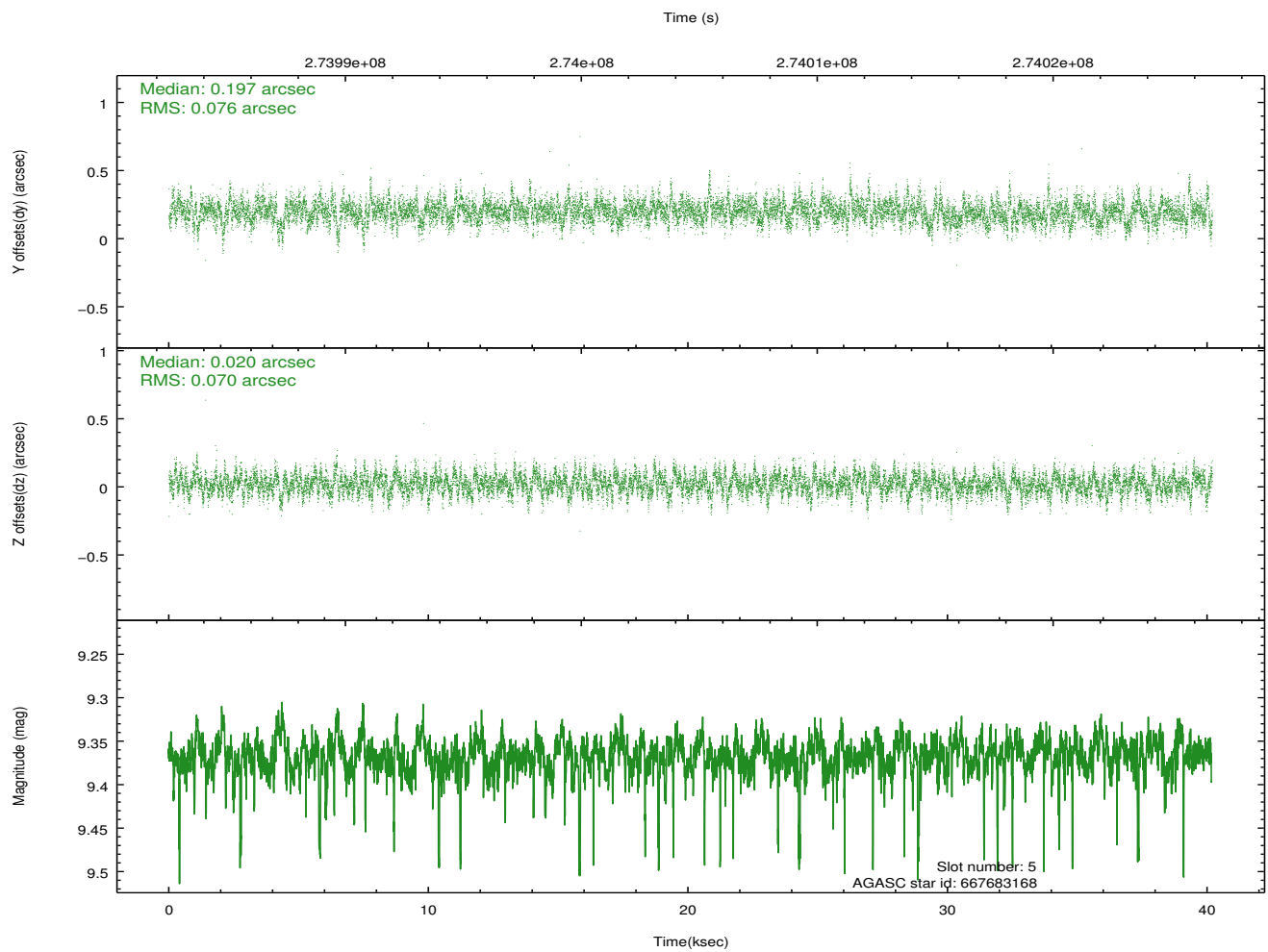
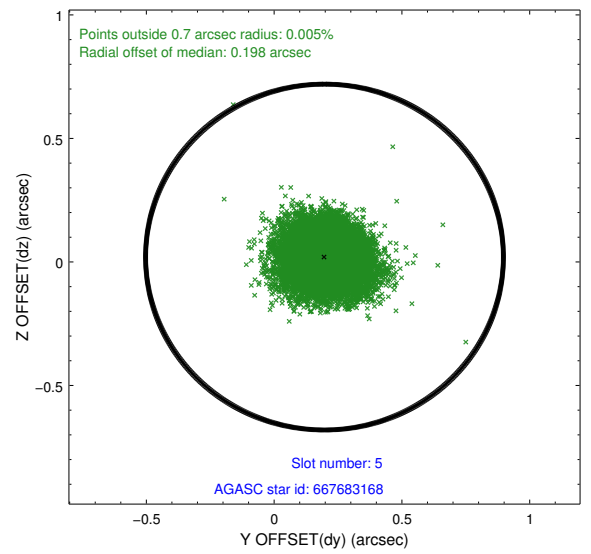
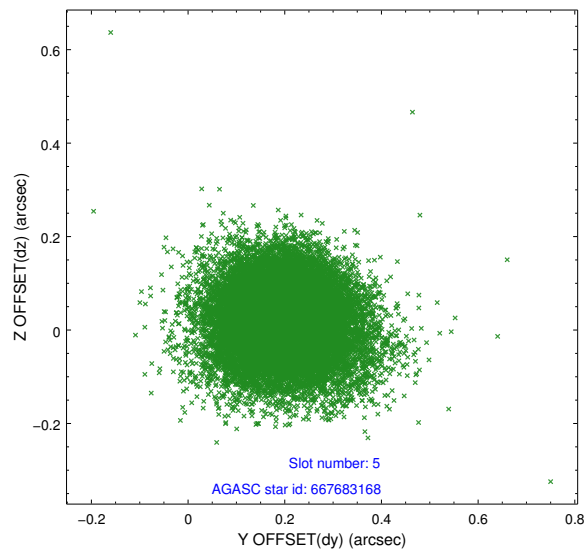
### 2.4.1 Slot 3



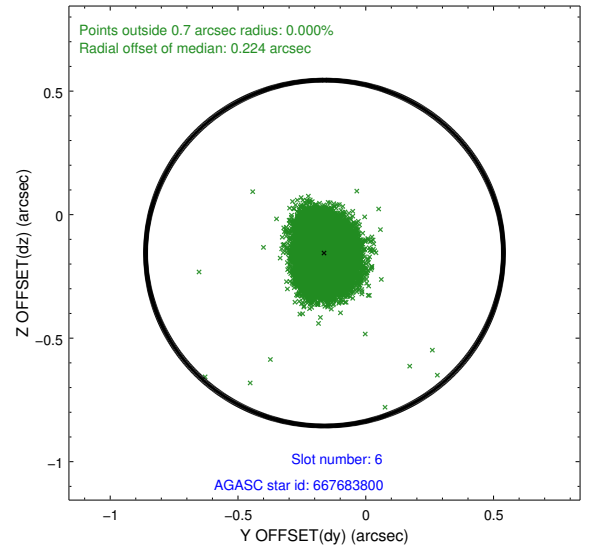
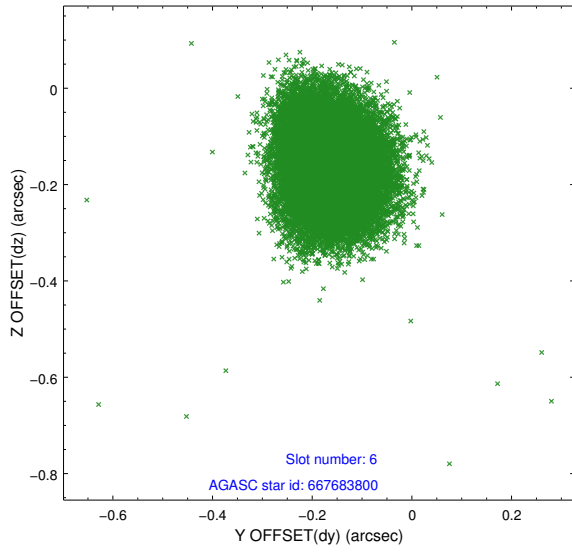
## 2.4.2 Slot 4



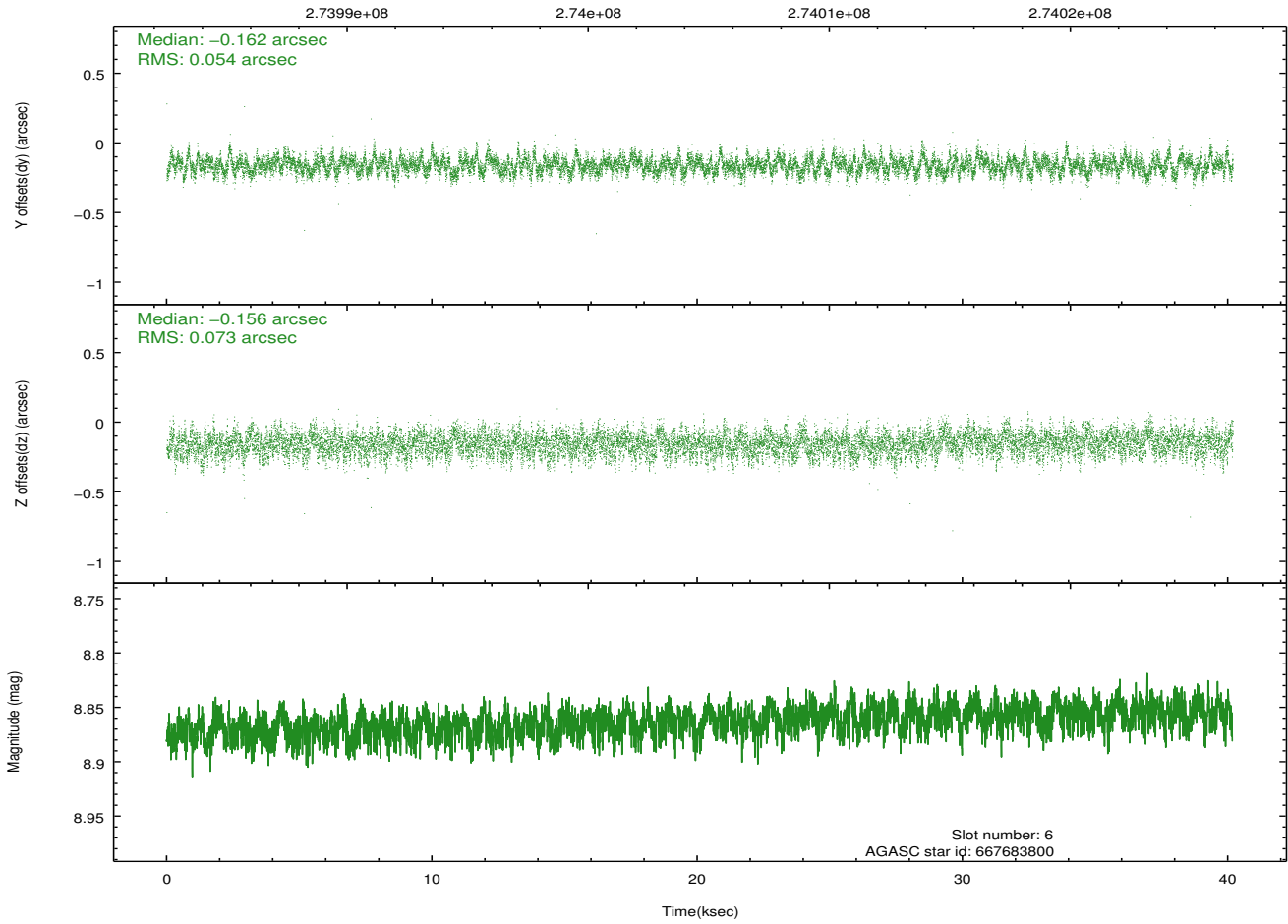
### 2.4.3 Slot 5



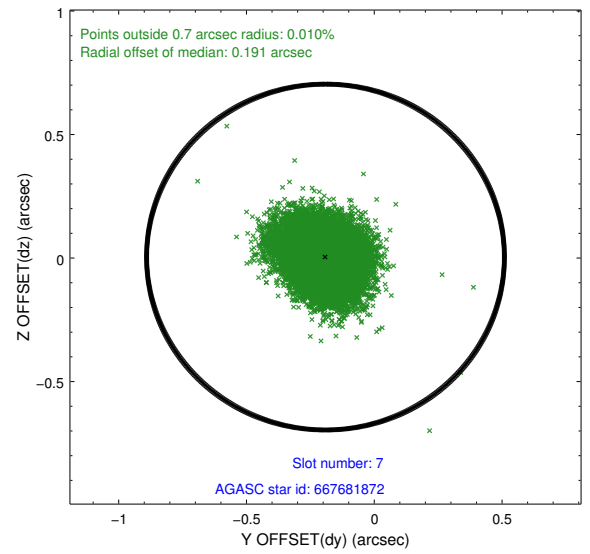
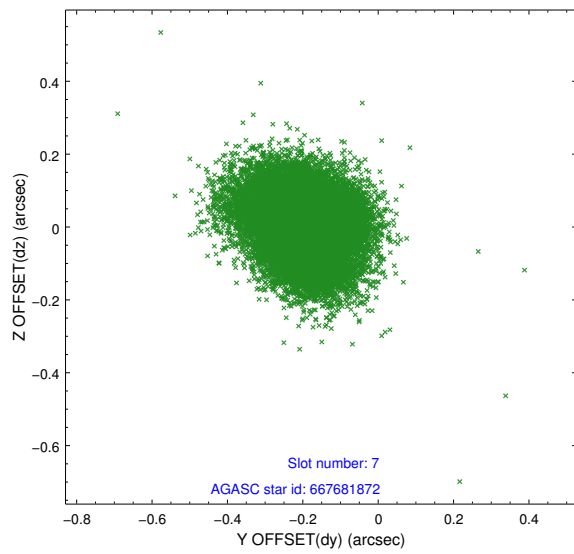
### 2.4.4 Slot 6



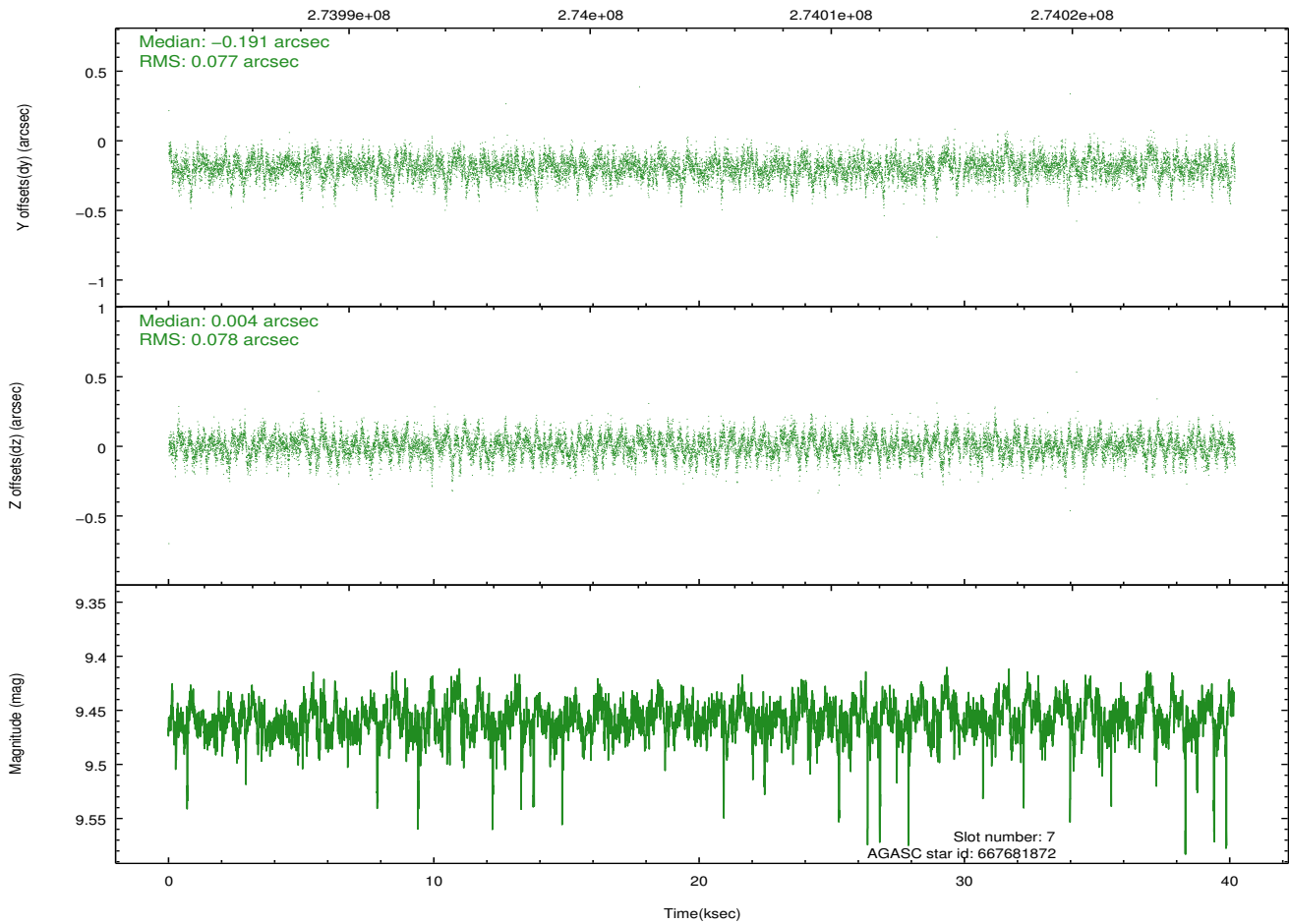
Time (s)



## 2.4.5 Slot 7

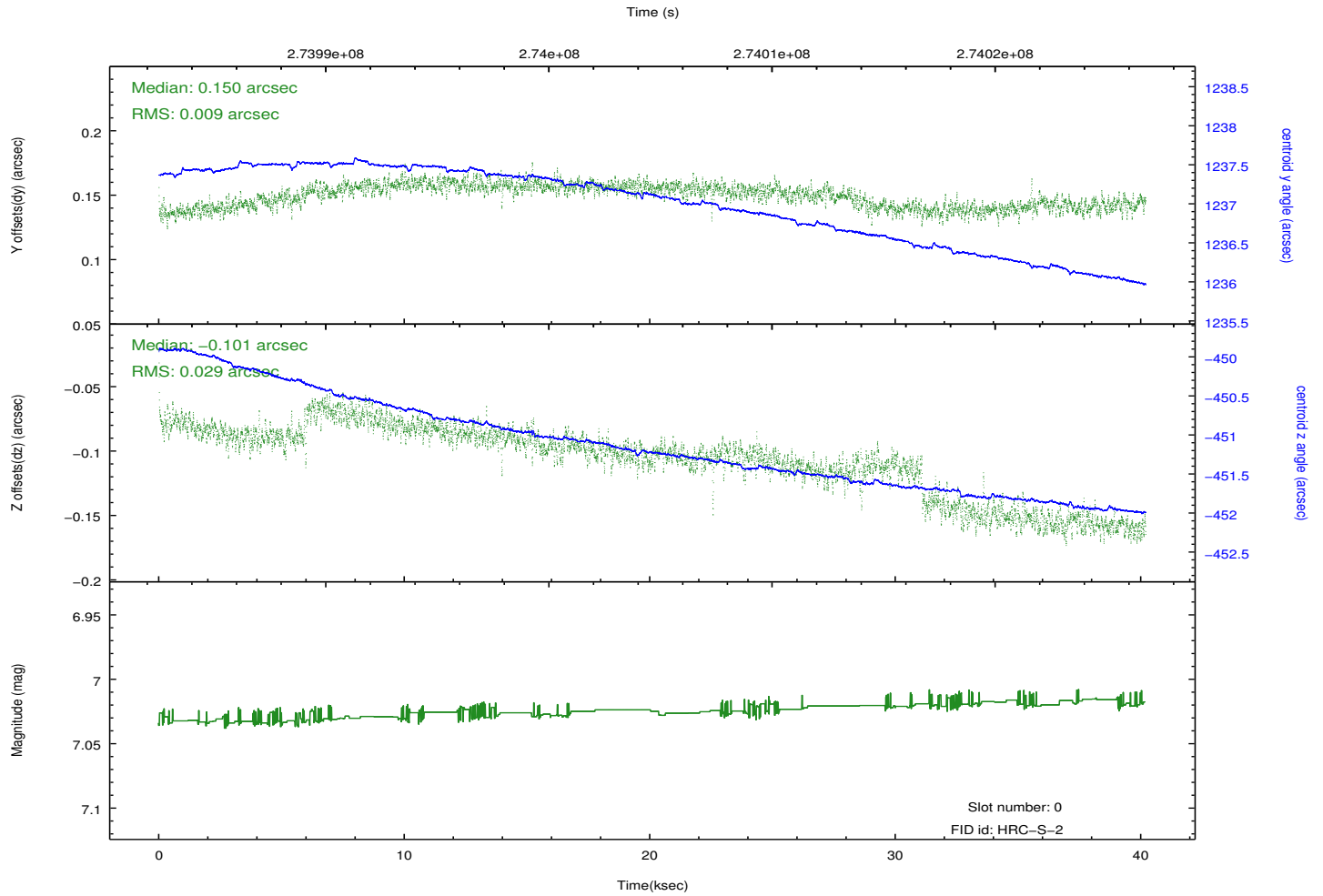
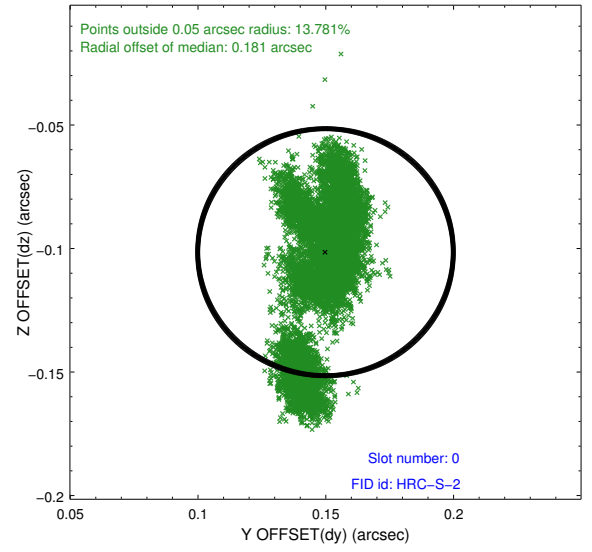
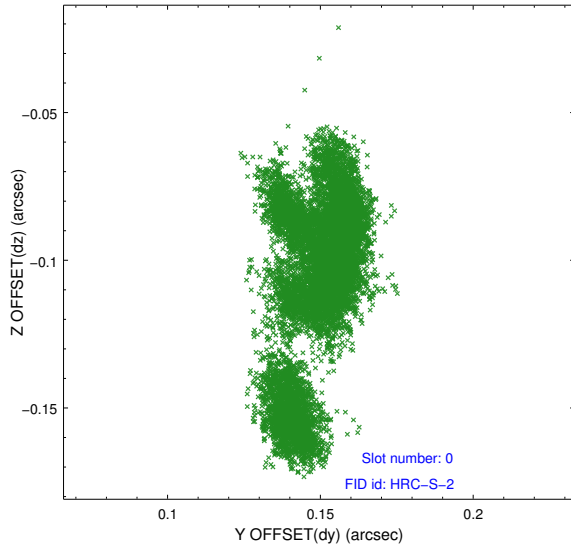


Time (s)

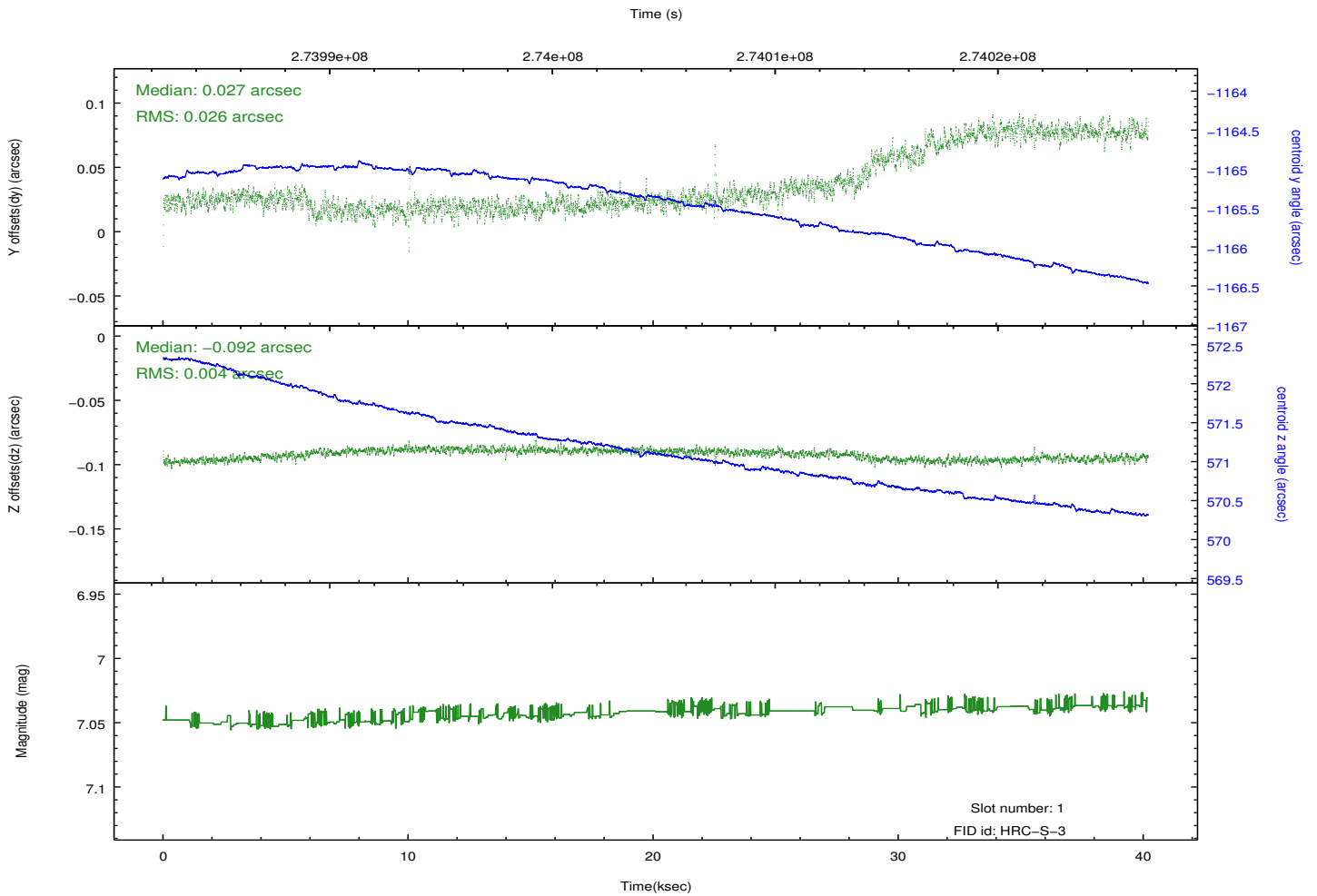
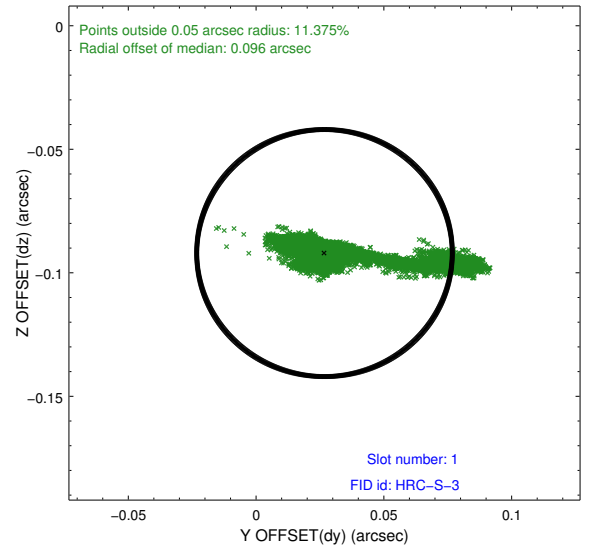
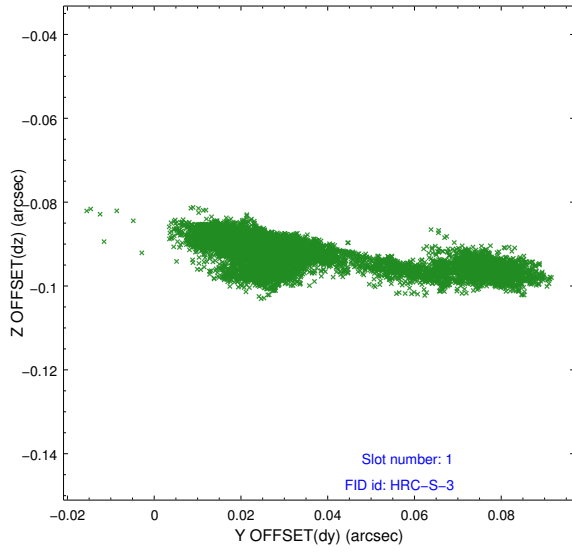


## 2.5 FID Slots

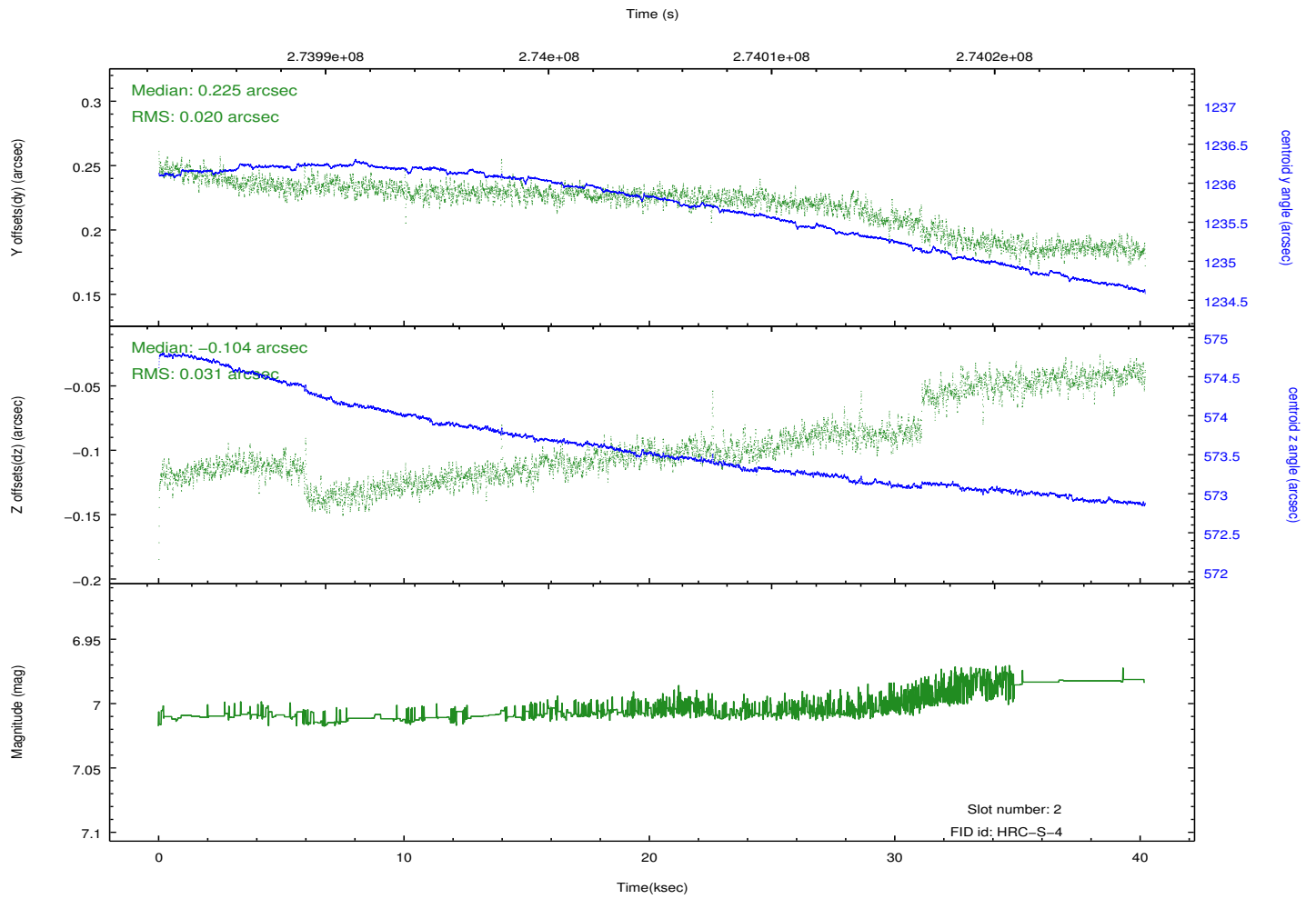
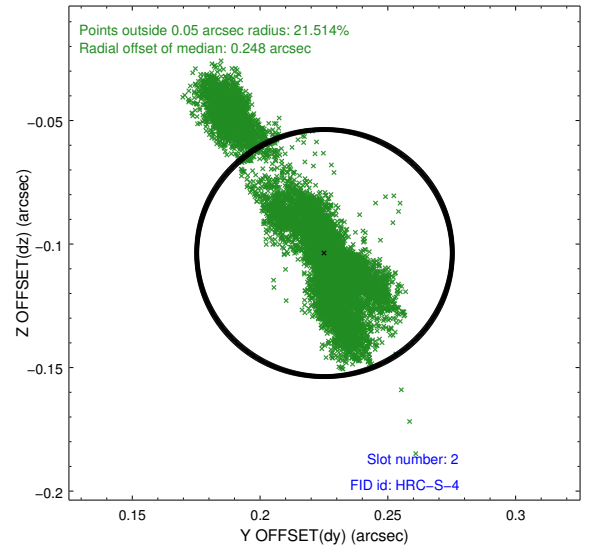
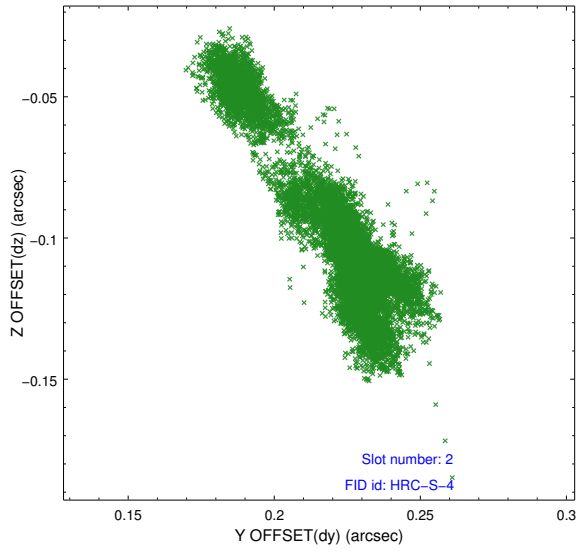
### 2.5.1 Slot 0



## 2.5.2 Slot 1

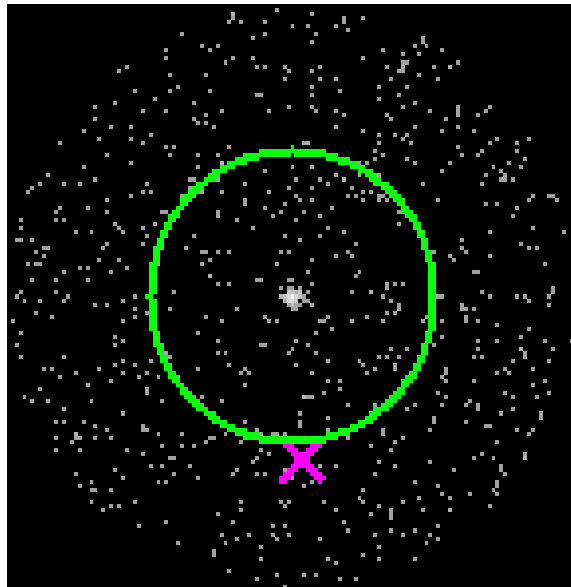


### 2.5.3 Slot 2

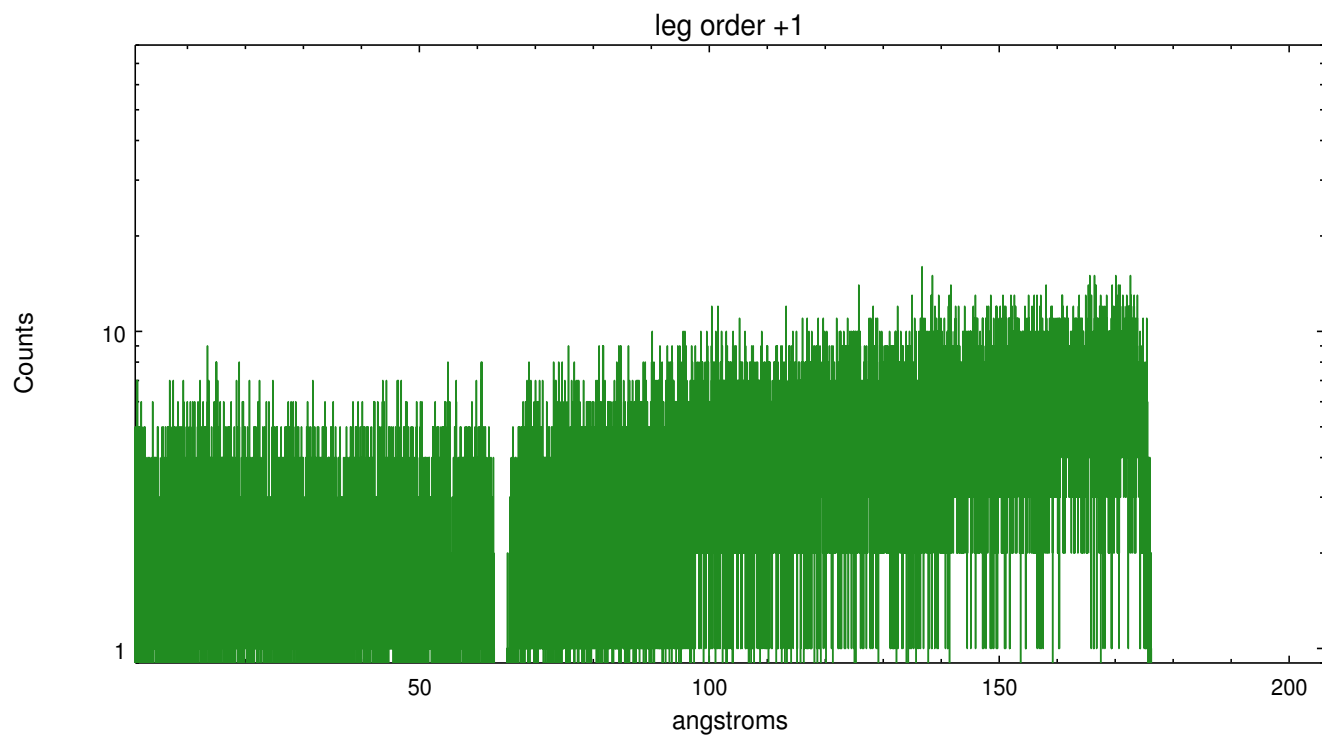
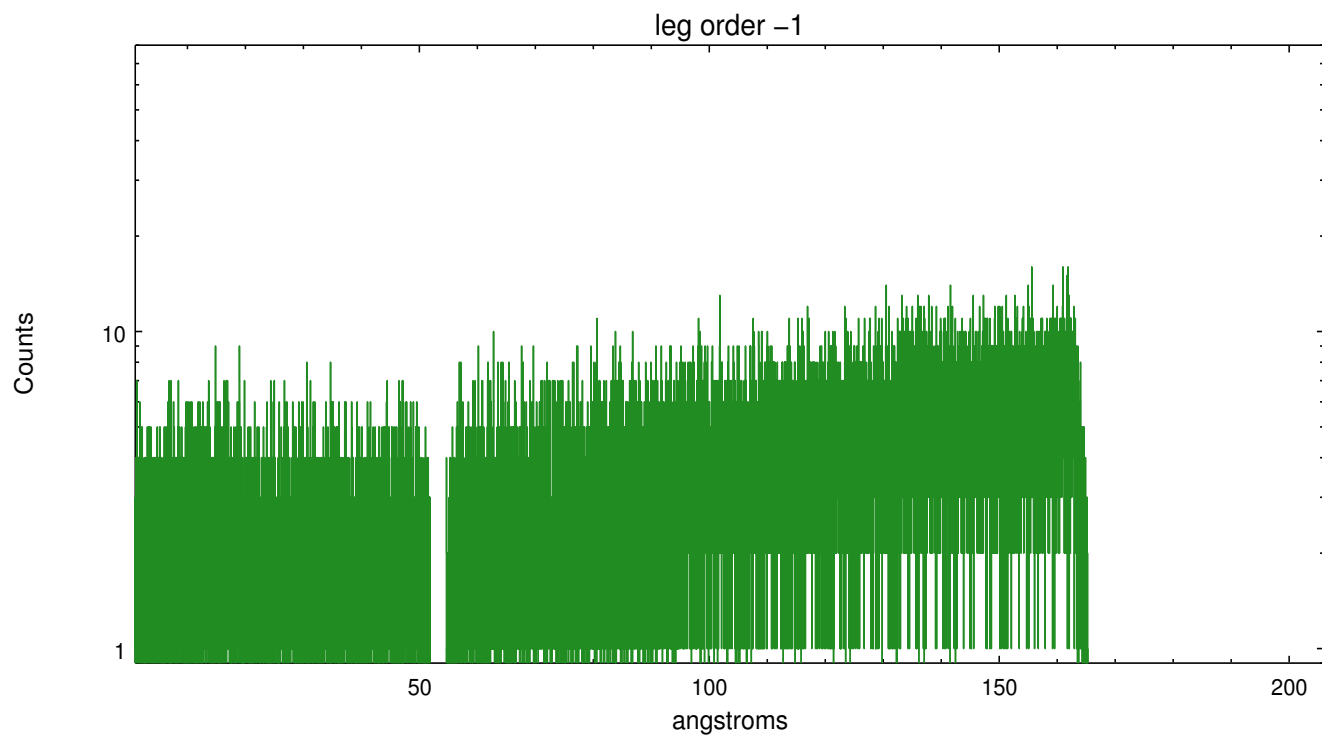


## 3 Gratings

### 3.1 LETG Arm



LETG Zero Order



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.1894831

## A.2 Comments