

# V&V Reference Report

## L2 ASCDS Version : 10

Observation 14564 - L2 Version 1  
Chandra X-Ray Center

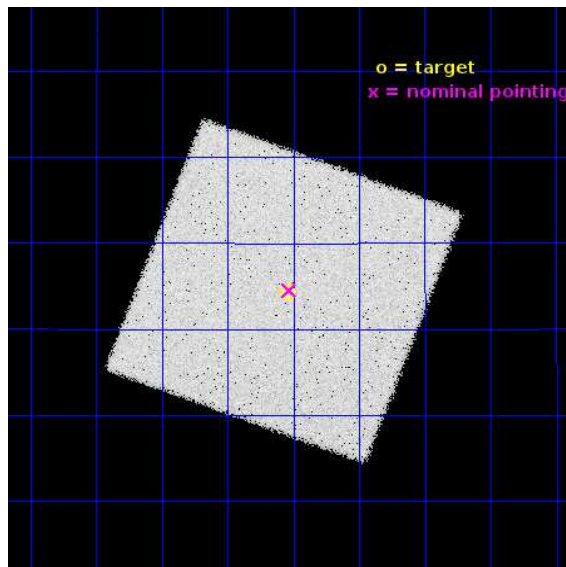
L2 Processing Date : Jul 17 2013

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# 1 Front

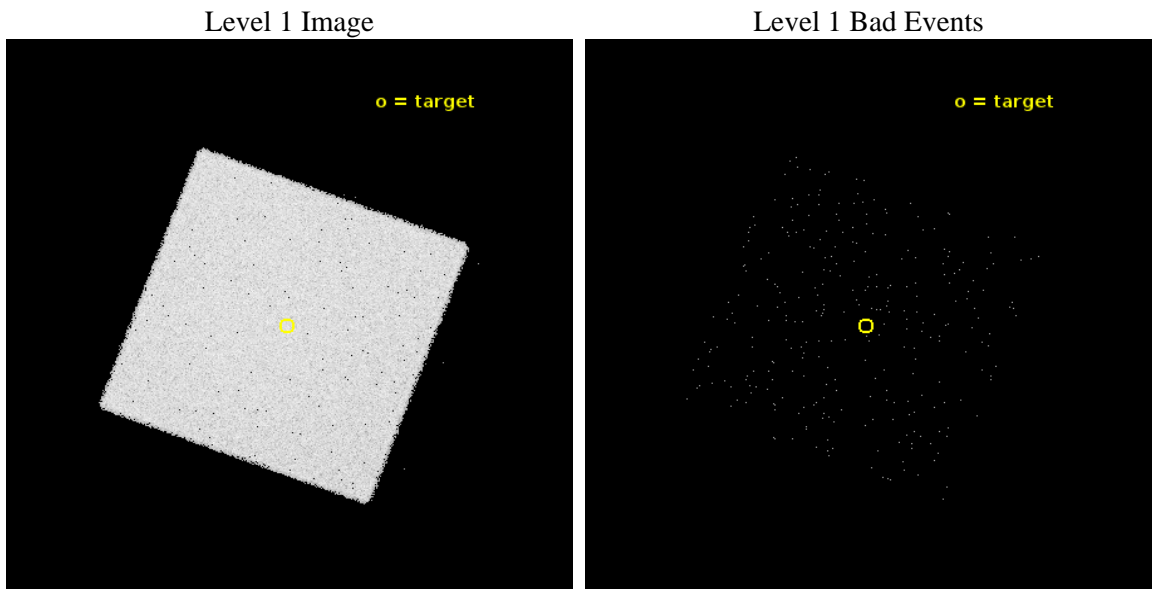
seq_num	200865	Sequence number
obs_id	14564	Observation id
title	Search for X-ray emission from a sample of luminous O-type subdwarfs	&#160
observer	Mr. Nicola La Palombara	Principal investigator
object	LS IV +10 9	Source name
ra_targ	310.760417	Observer's specified target RA [deg]
dec_targ	10.572503	Observer's specified target Dec [deg]
ra_nom	310.75742316554	Nominal RA [deg]
dec_nom	10.575319752816	Nominal Dec [deg]
roll_nom	155.57101535504	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4131.7752251029	[s]
livetime	4101.2721642976	Ontime multiplied by DTCOR
l2events	235101	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	4131.7752251029	[s]
caldbver	4.5.7	&#160	l1events	405447	Number of level 1 events
date	2013-07-17T12:50:43	Date and time of file creation			
revision	1	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

	<b>segment 0</b>
level 1 events	405447
rejected events	87528
rejected %	21%

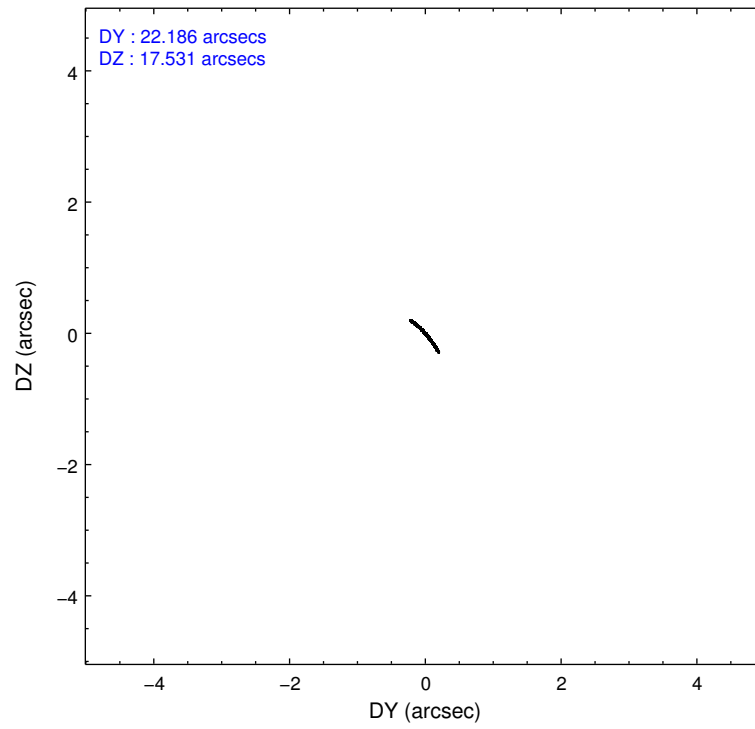
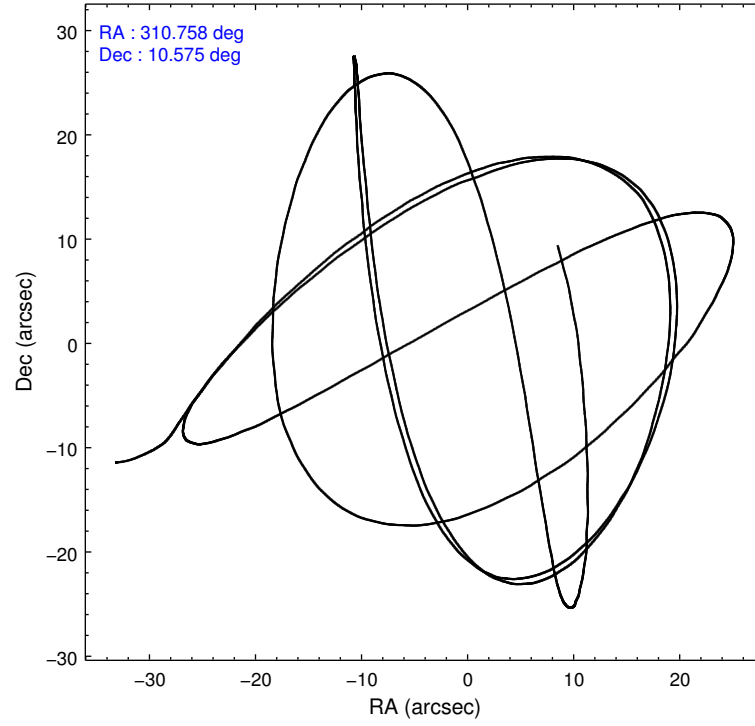


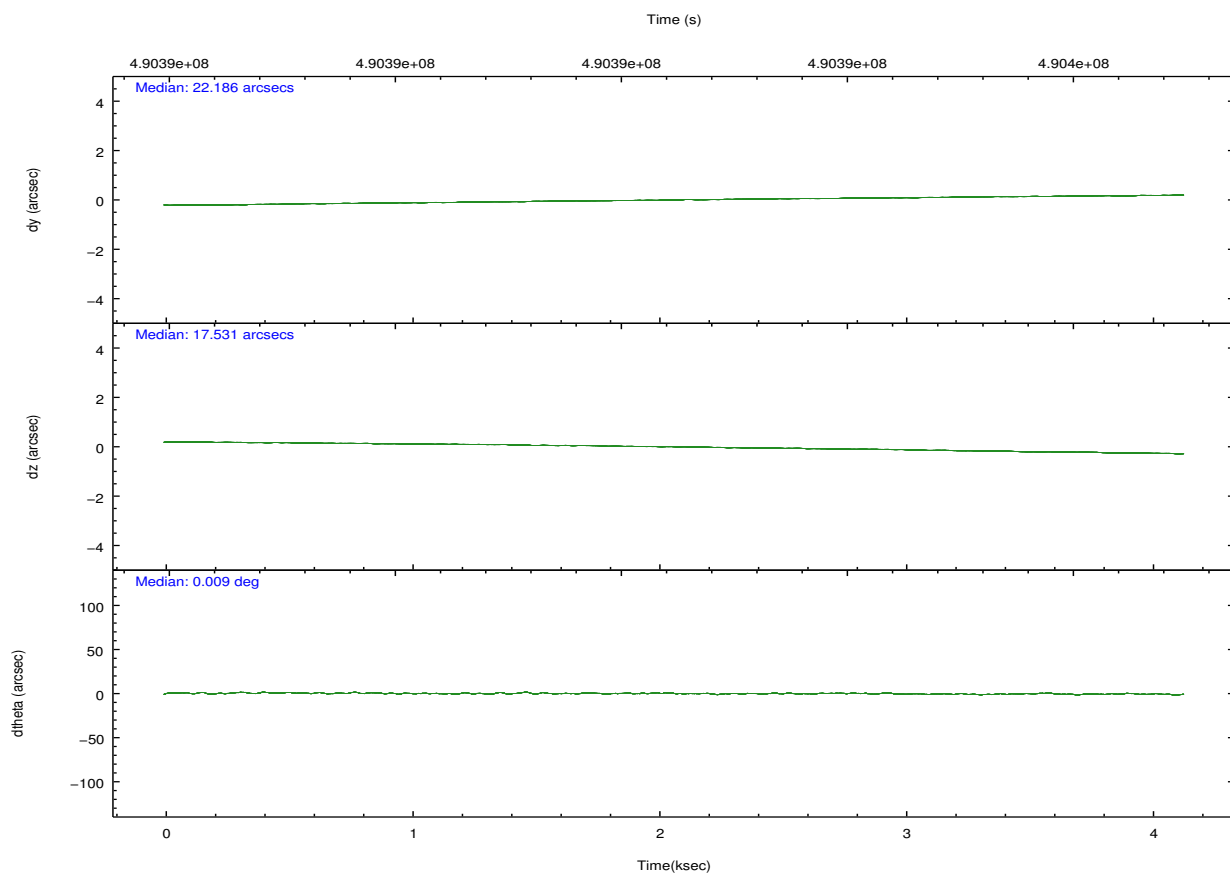
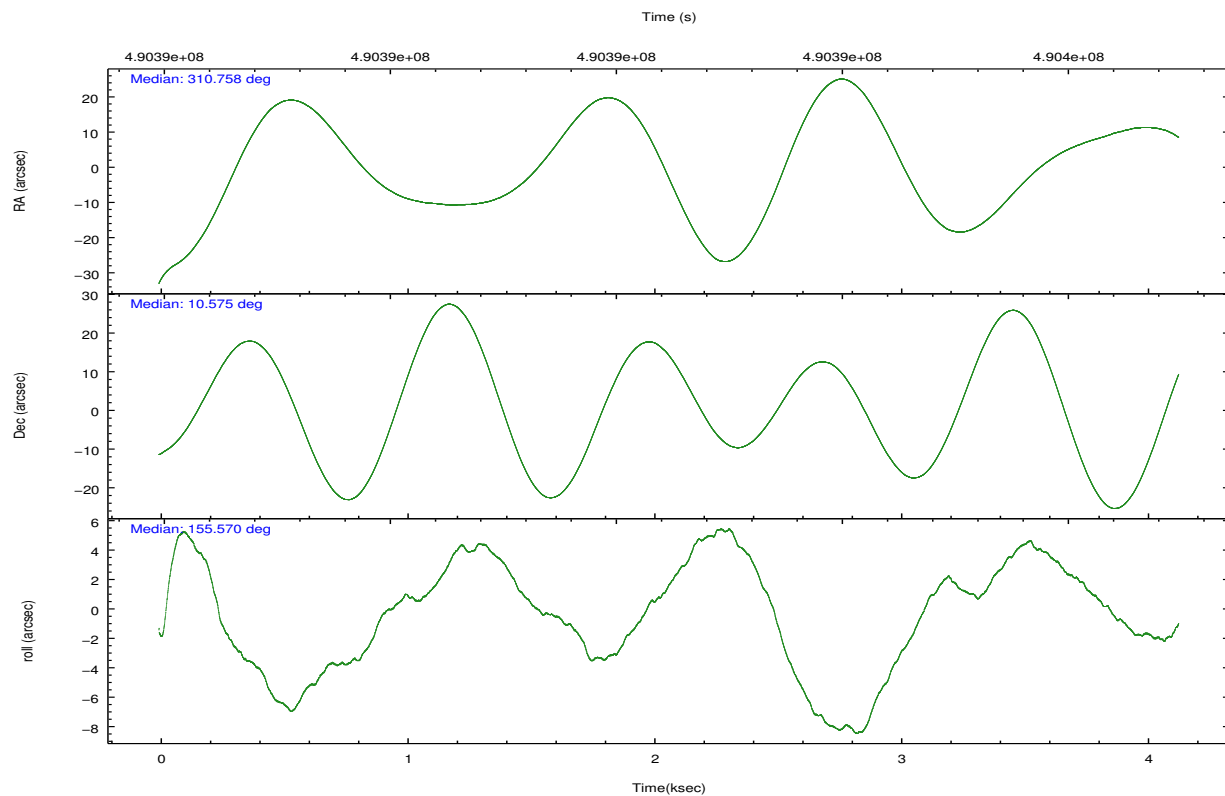
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	310.784901	310.7574231655358
[deg] Pointing Dec	10.578808	10.57531975281627
[deg] Pointing Roll	155.661486	155.5710153550443
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	490391291.184000	490390086.96188
Observation start date	2013-07-16T19:47:04	2013-07-16T19:28:06
[s] Observation end time (MET)	490395291.184000	490396446.57477
Observation end date	2013-07-16T20:53:44	2013-07-16T21:14:06

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect



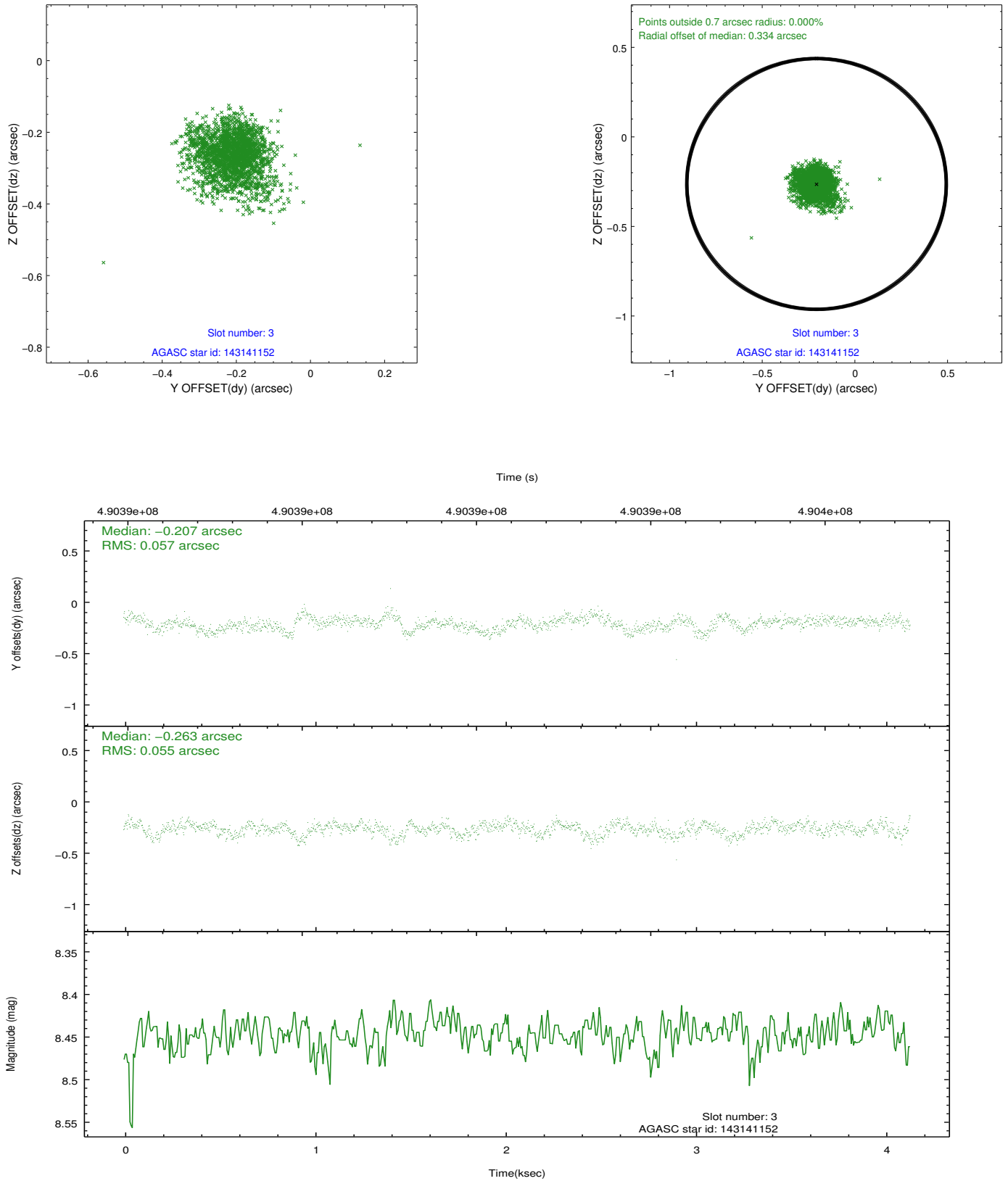


### Slot Statistics

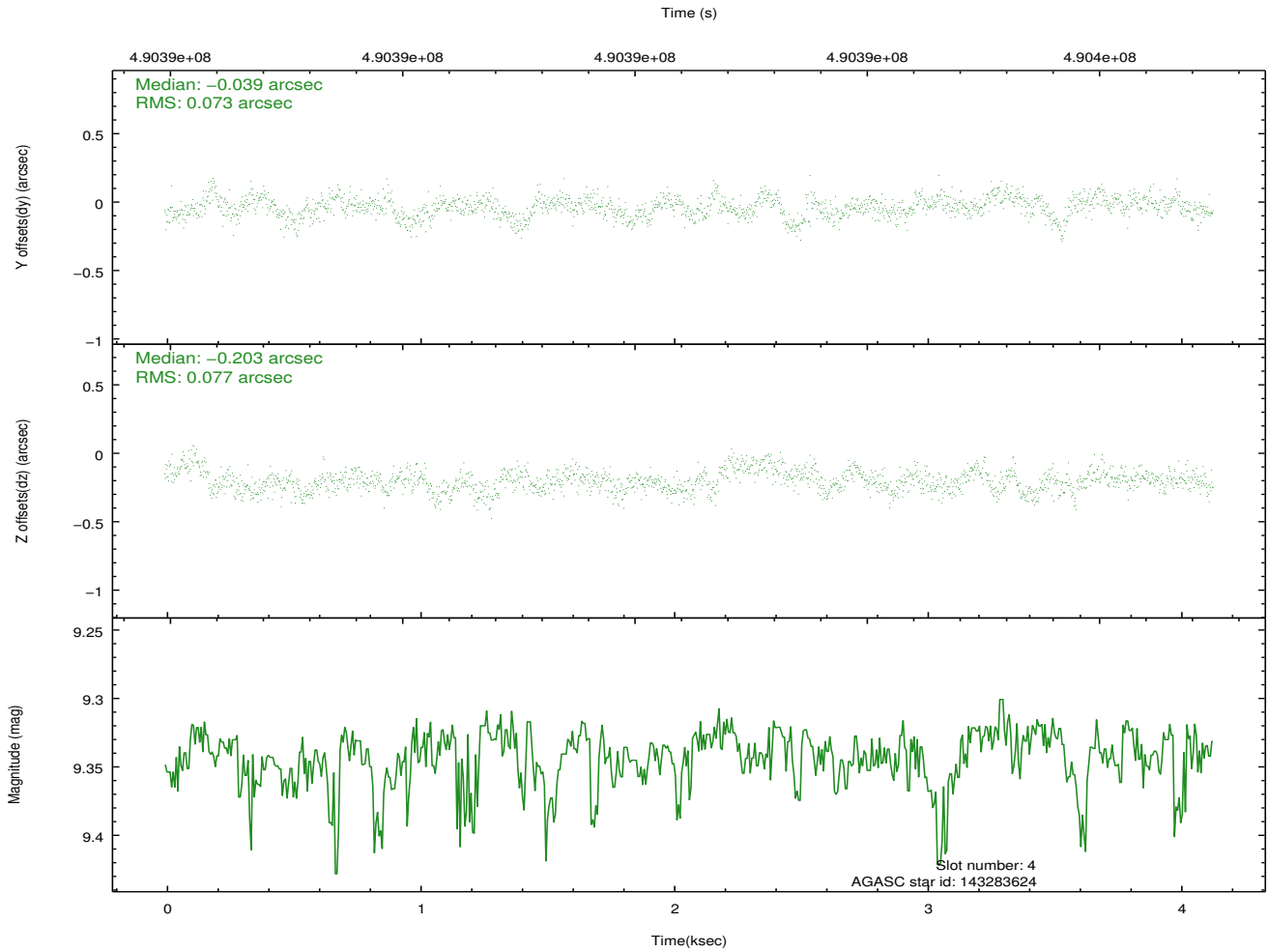
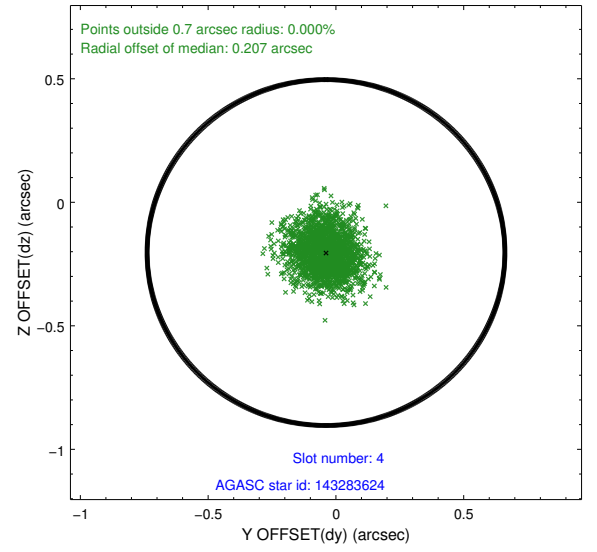
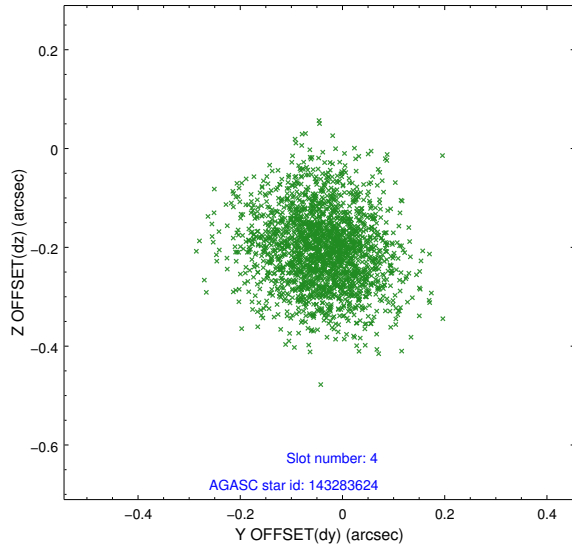
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	1008	-0.082	0.053	0.008	0.012	0.000000	0.000000	-778.27	-1305.62
1	FID	HRC-I-2	7.00	1008	0.233	-0.128	0.008	0.013	0.000000	0.000000	833.90	-1308.67
2	FID	HRC-I-3	7.06	1008	-0.031	-0.014	0.009	0.014	0.000000	0.000000	-1205.87	997.59
3	GUIDE	143141152	8.45	2013	-0.207	-0.263	0.084	0.138	310.184067	10.472473	1781.33	1222.78
4	GUIDE	143283624	9.34	2017	-0.039	-0.203	0.113	0.187	311.157417	10.020666	-2029.73	1285.61
5	GUIDE	143142144	8.23	2017	-0.475	-0.302	0.079	0.126	310.042174	10.572437	2385.69	1101.19
6	GUIDE	143280856	9.05	2010	0.310	0.503	0.124	0.197	311.380291	10.816549	-1562.61	-1648.90
7	GUIDE	143284664	9.42	2010	0.416	0.273	0.172	0.273	311.399900	10.802102	-1649.75	-1632.59

## 2.4 Star Slots

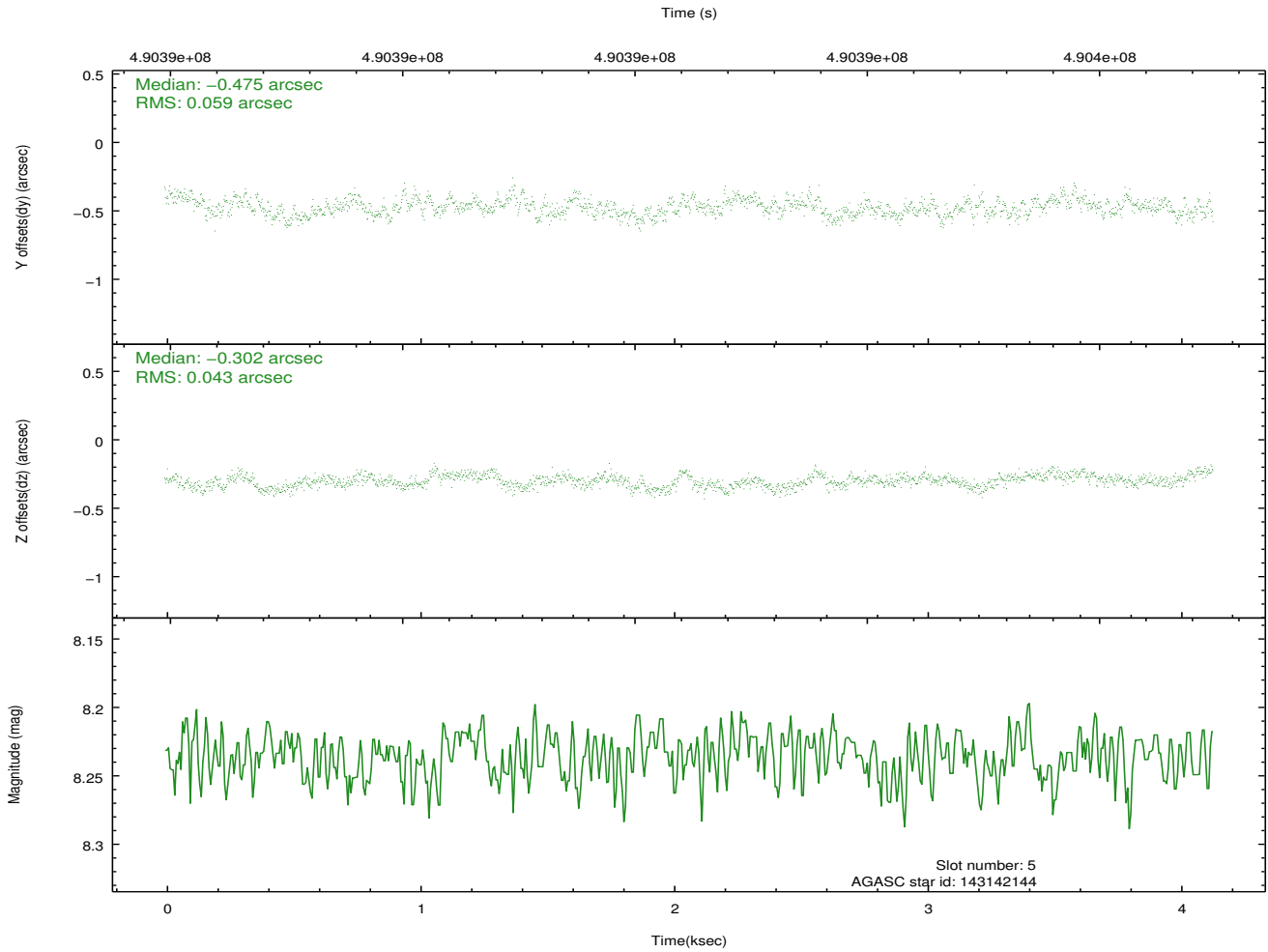
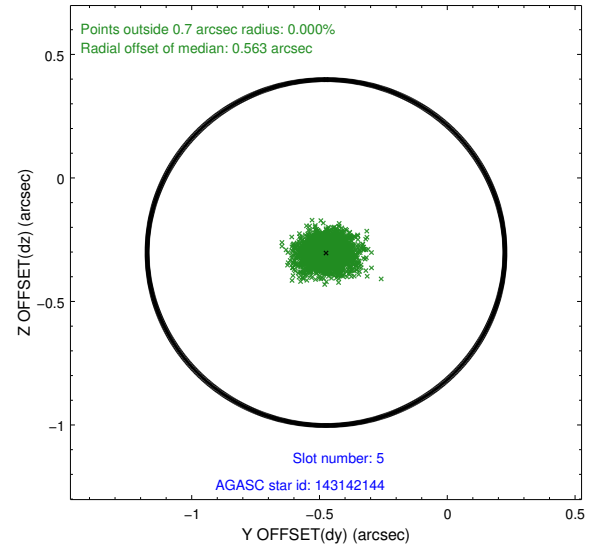
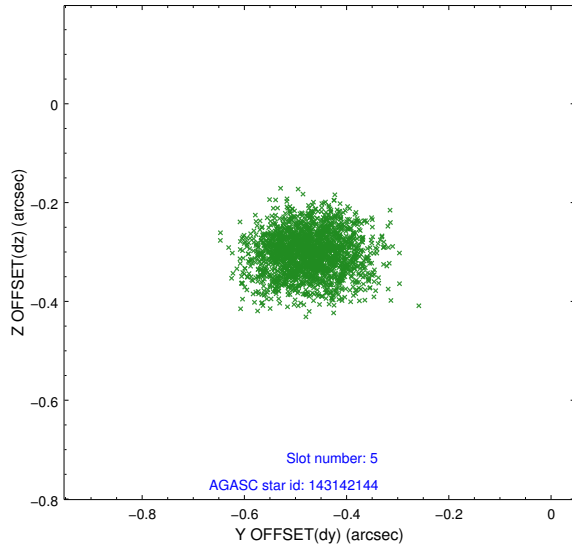
### 2.4.1 Slot 3



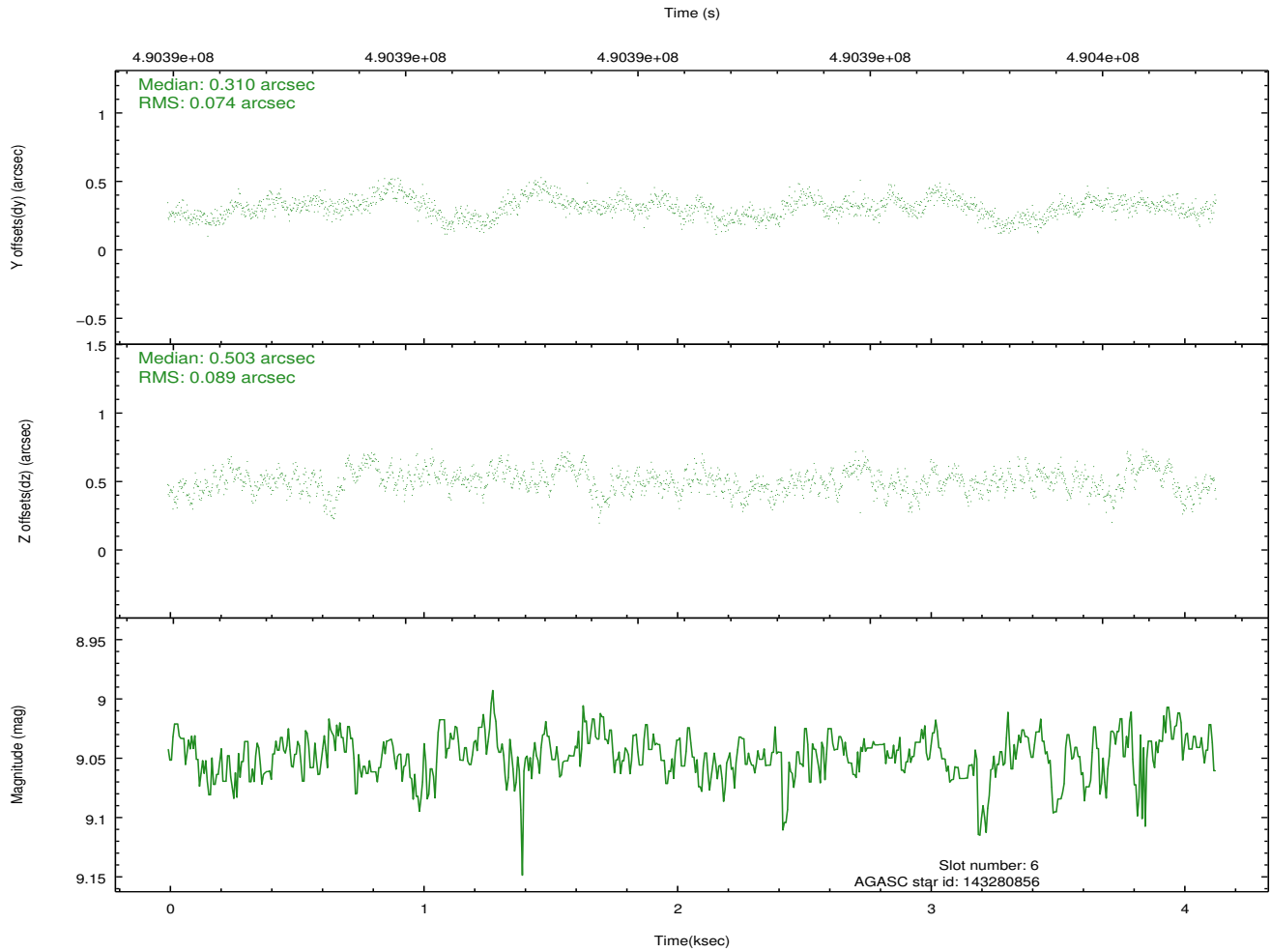
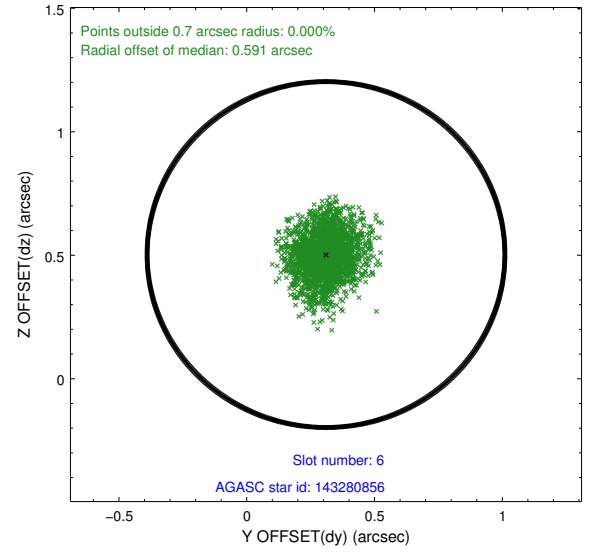
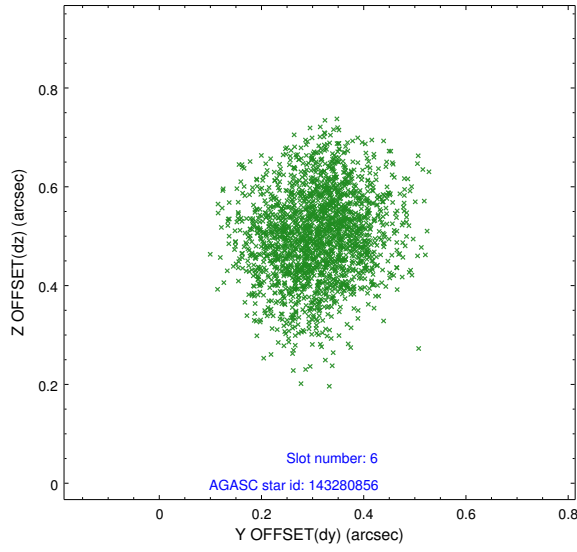
## 2.4.2 Slot 4



### 2.4.3 Slot 5

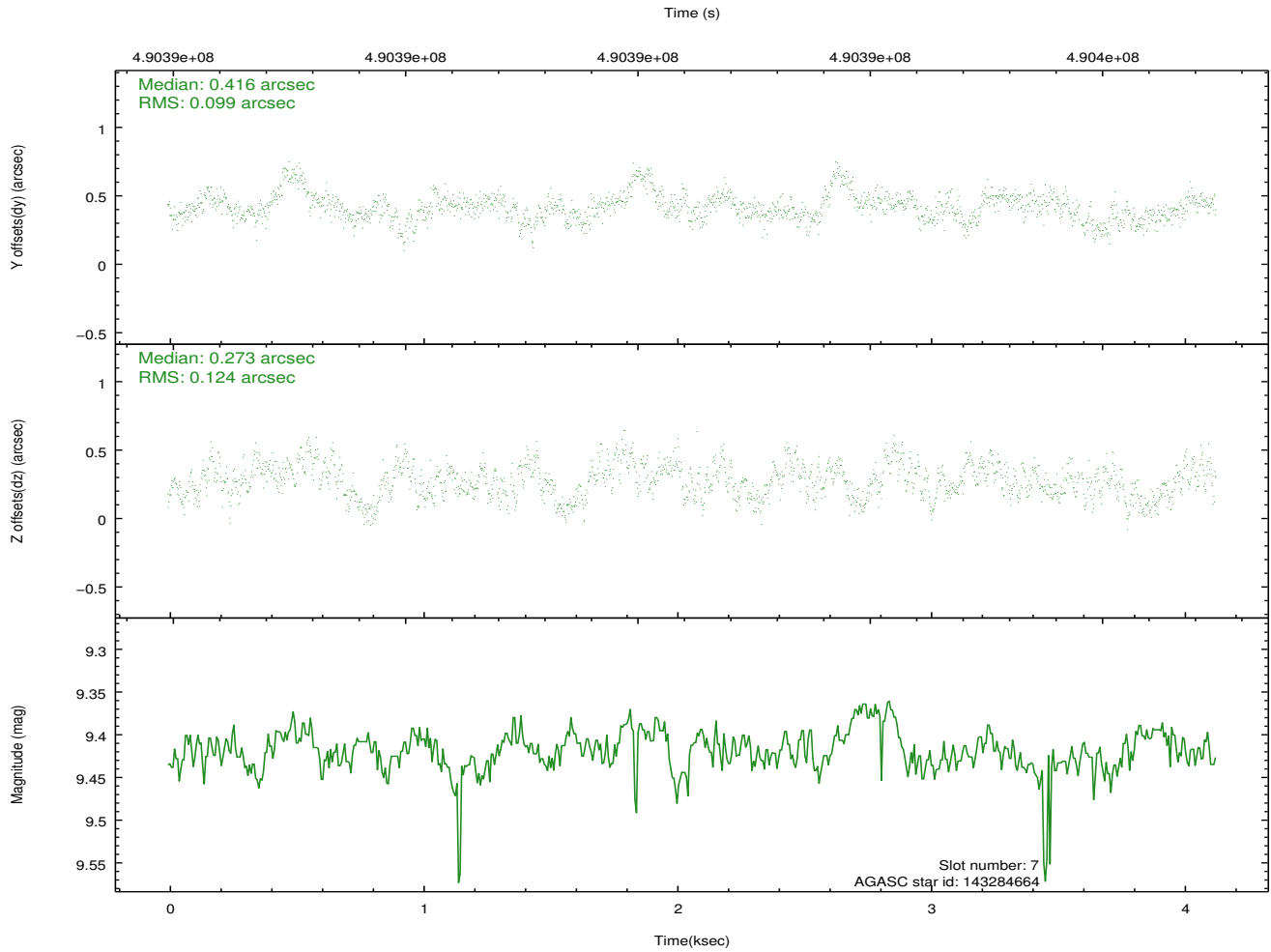
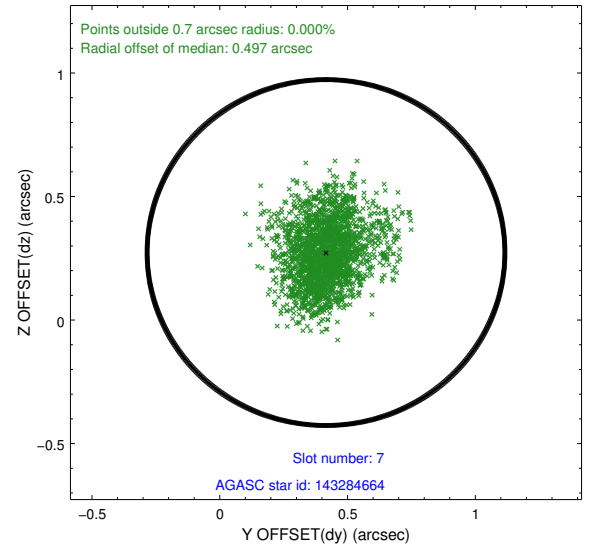
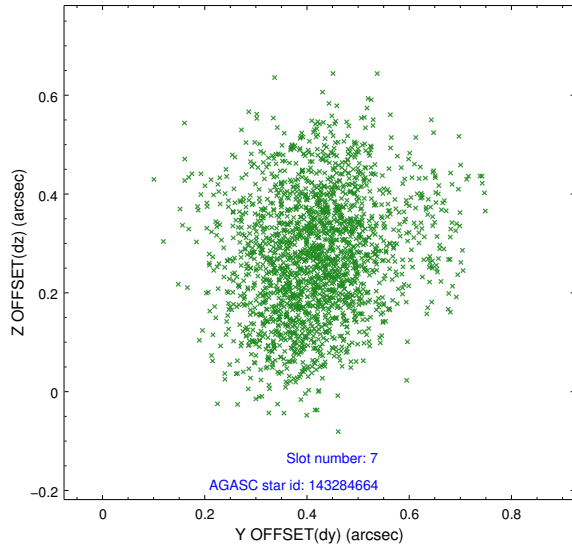


## 2.4.4 Slot 6



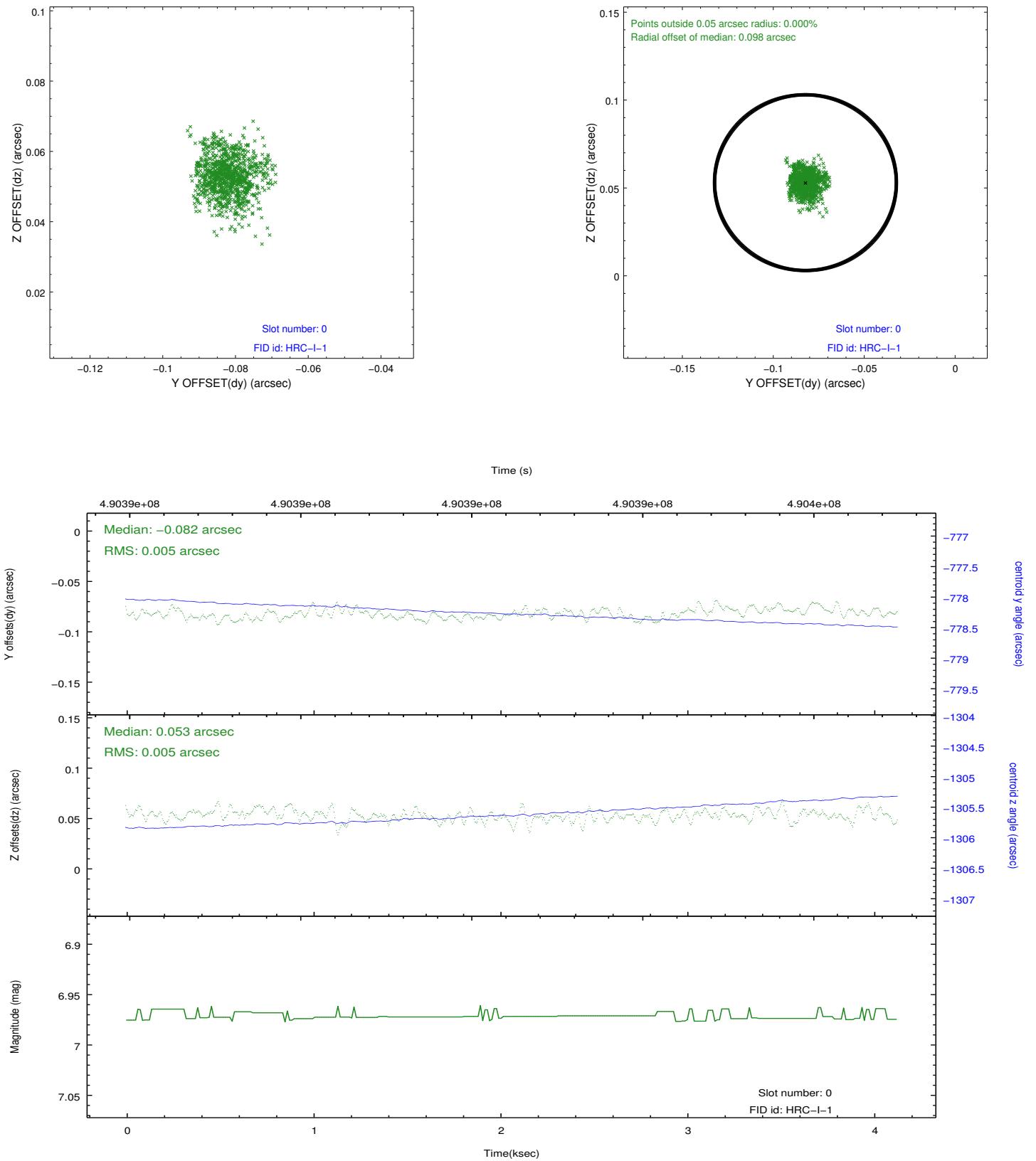


## 2.4.5 Slot 7

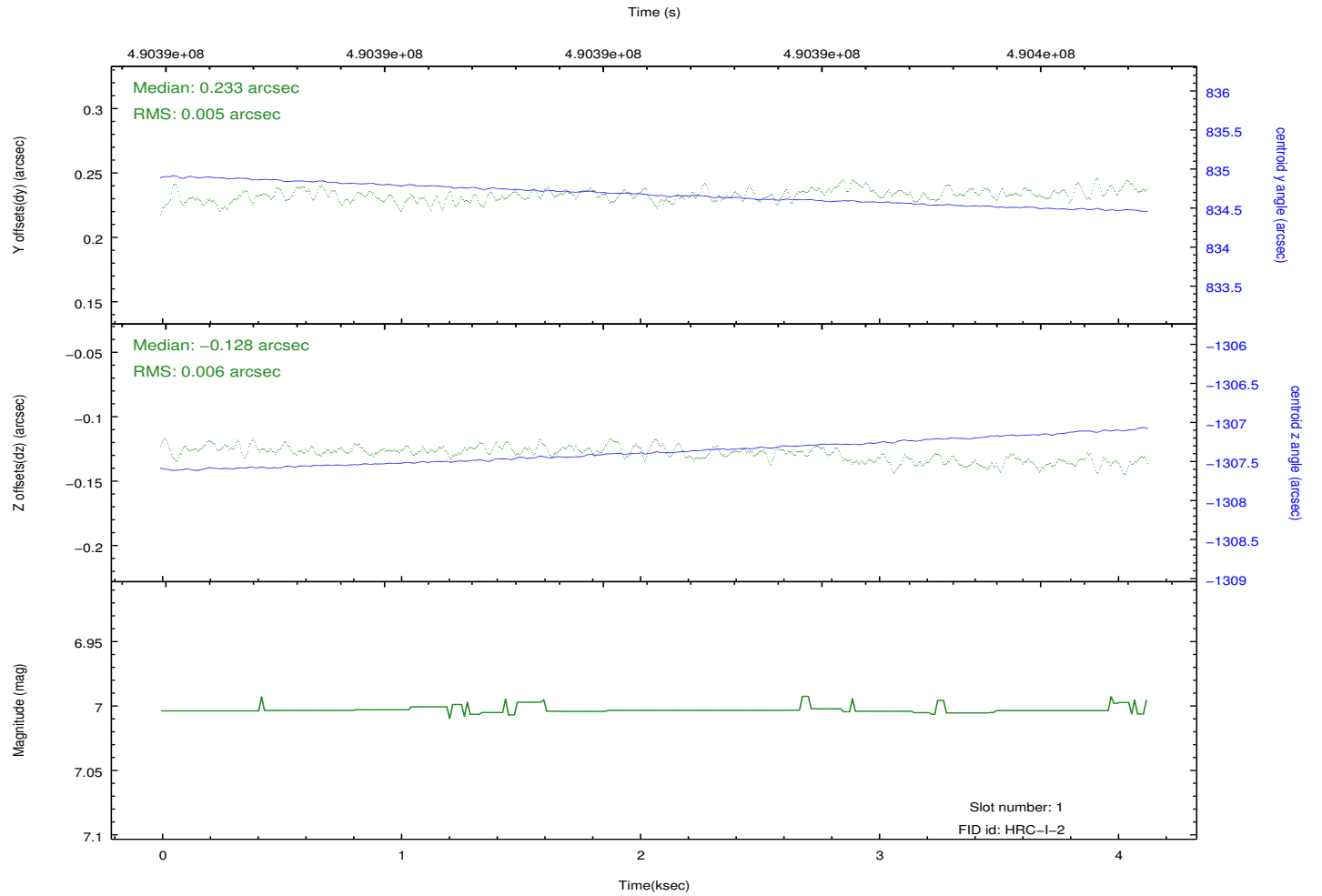
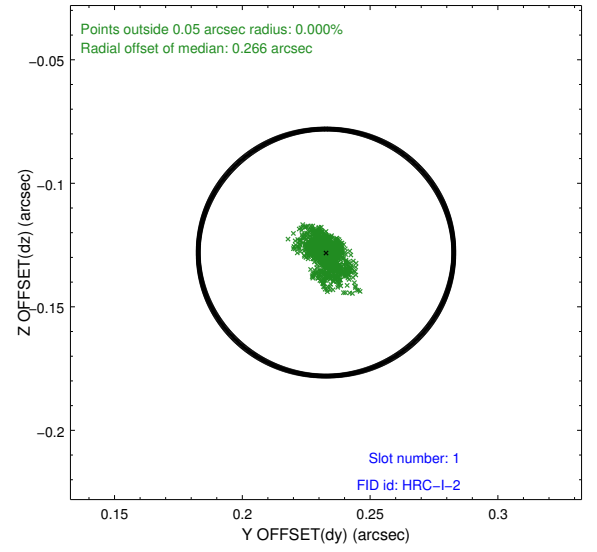
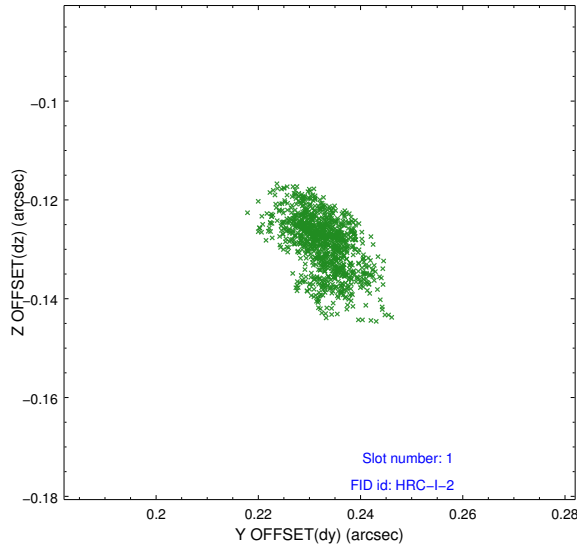


## 2.5 FID Slots

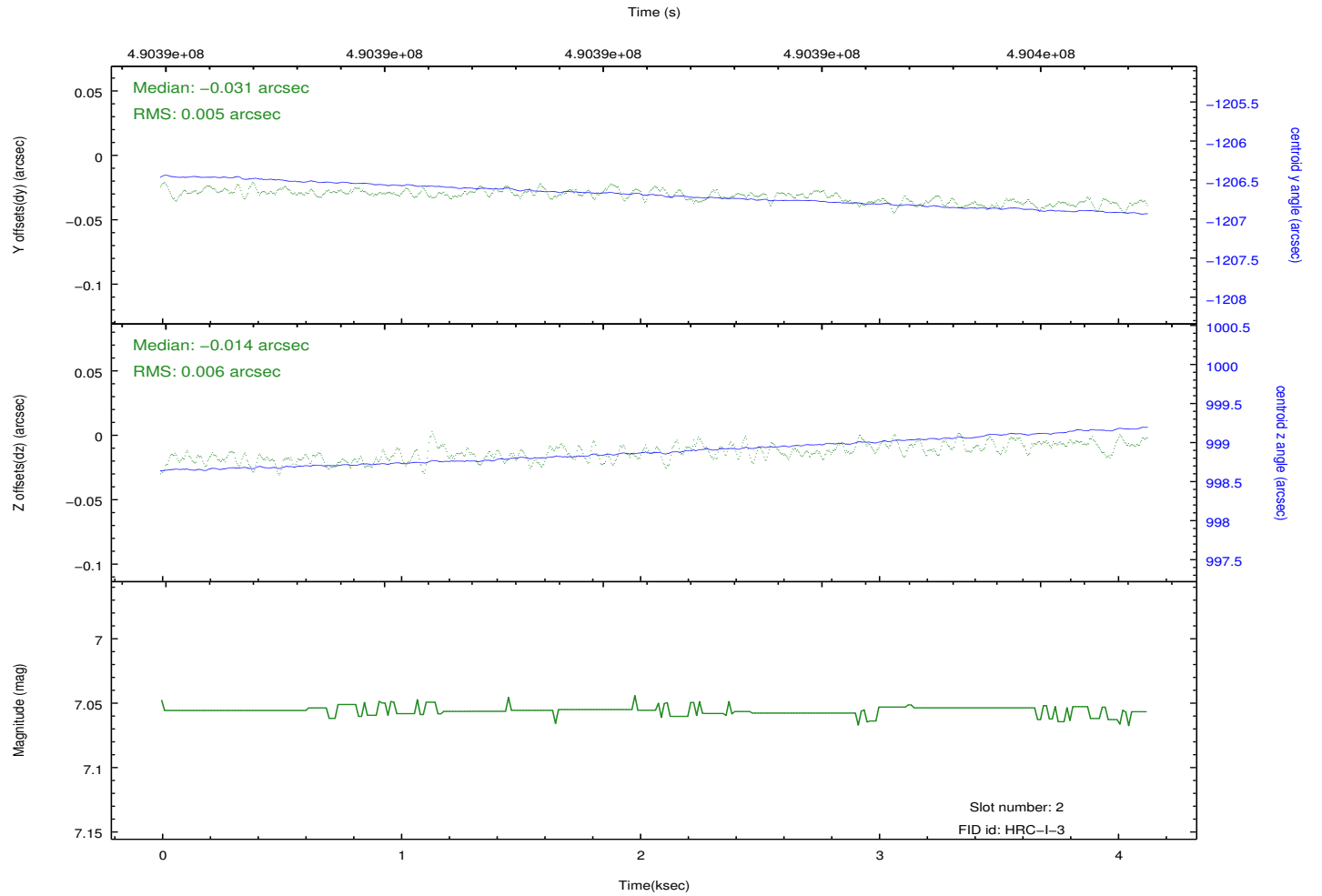
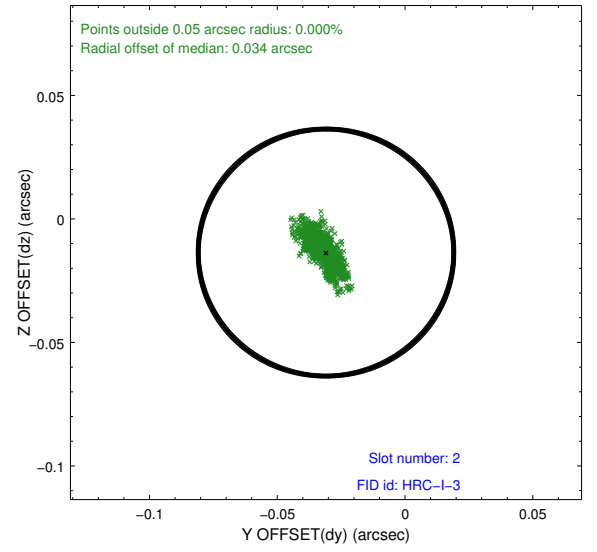
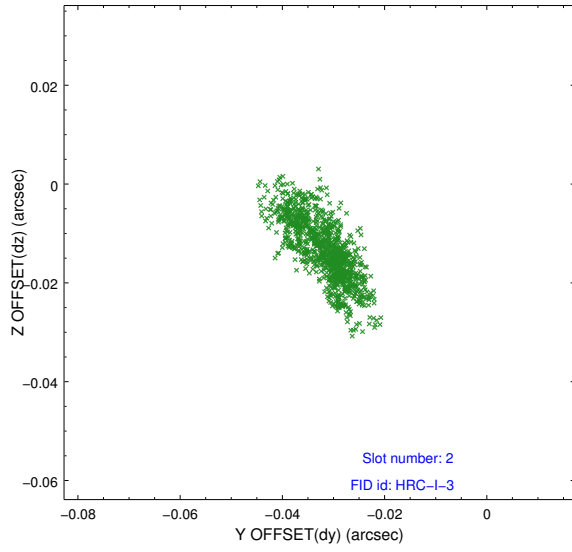
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1317752251029

### A.2 Comments