

# V&V Reference Report

## L2 ASCDS Version : 8.1.2

Observation 245 - L2 Version 5  
Chandra X-Ray Center

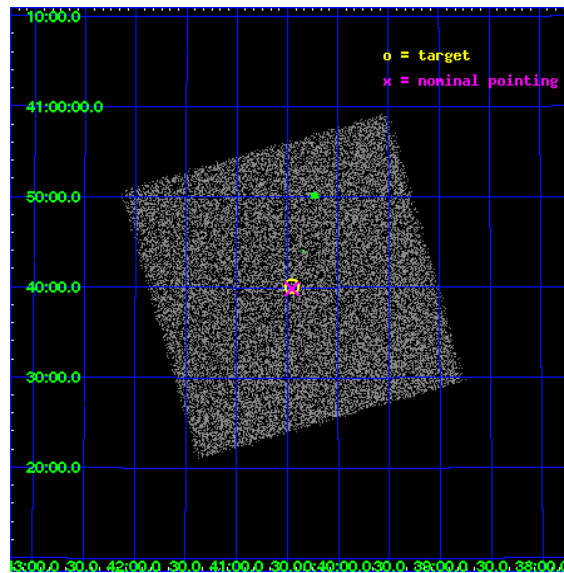
L2 Processing Date : Dec 4 2009

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# 1 Front

seq_num	600005	Sequence number
obs_id	245	Observation id
title	MONITORING M31	Proposal title
observer	Dr Steve Murray	Principal investigator
object	M31 - South 2	Source name
ra_targ	10.1125	Observer's specified target RA
dec_targ	40.67	Observer's specified target Dec
ra_nom	10.113900066977	Nominal RA
dec_nom	40.664382989848	Nominal Dec
roll_nom	298.88308160972	Nominal Roll
revision	5	Processing version of data
ontime	1160.5562921688	[s]
livetime	1153.5531985259	Ontime multiplied by DTCOR
l2events	33235	Number of level 2 events

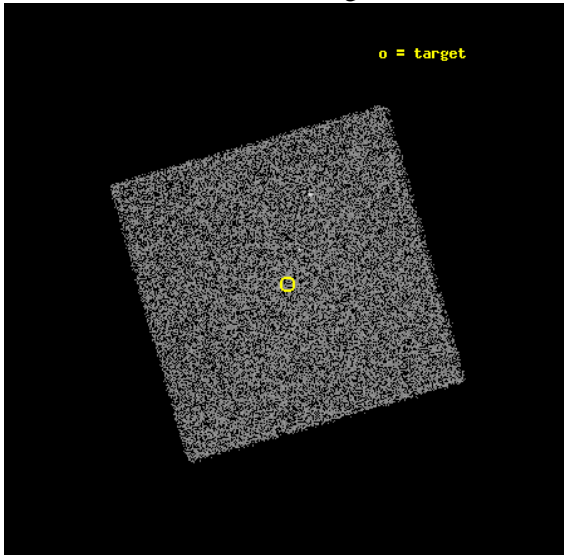


## 2 OBI

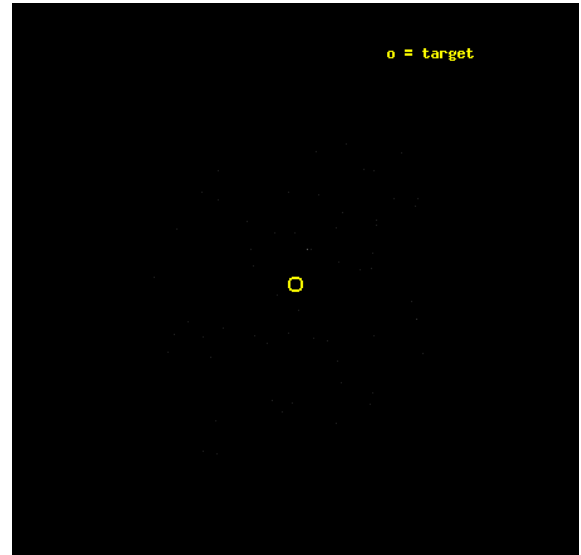
### 2.1 OBI

#### 2.1.1 Images

Level 1 Image



Level 1 Bad Events



## 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	Scheduled observation exposure time
ascdsver	8.1.2	Processing system revision	ontime	1160.5562921688	[s]
caldbver	4.1.4	&#160	l1events	53869	Number of level 1 events
date	2009-12-05T02:40:10	Date and time of file creation			
revision	4	Processing version of data			

## 2.1.3 Events

### Level 1 Events

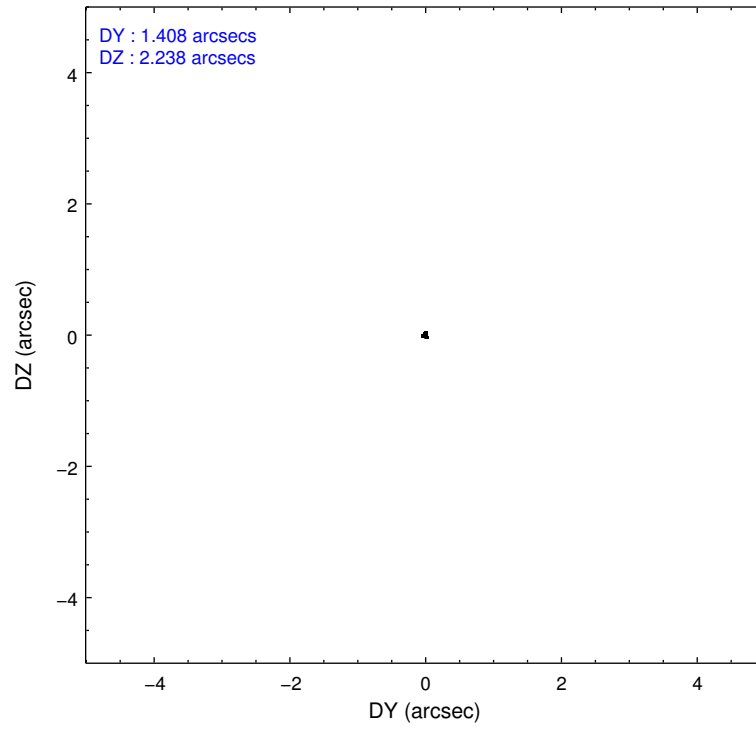
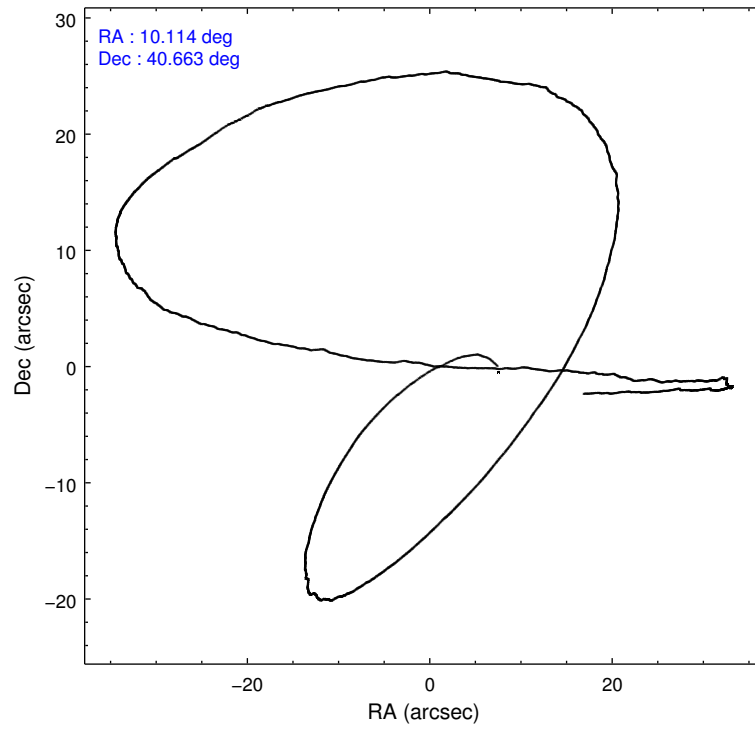
	<b>segment 0</b>
level 1 events	53869
rejected events	2418
rejected %	4%

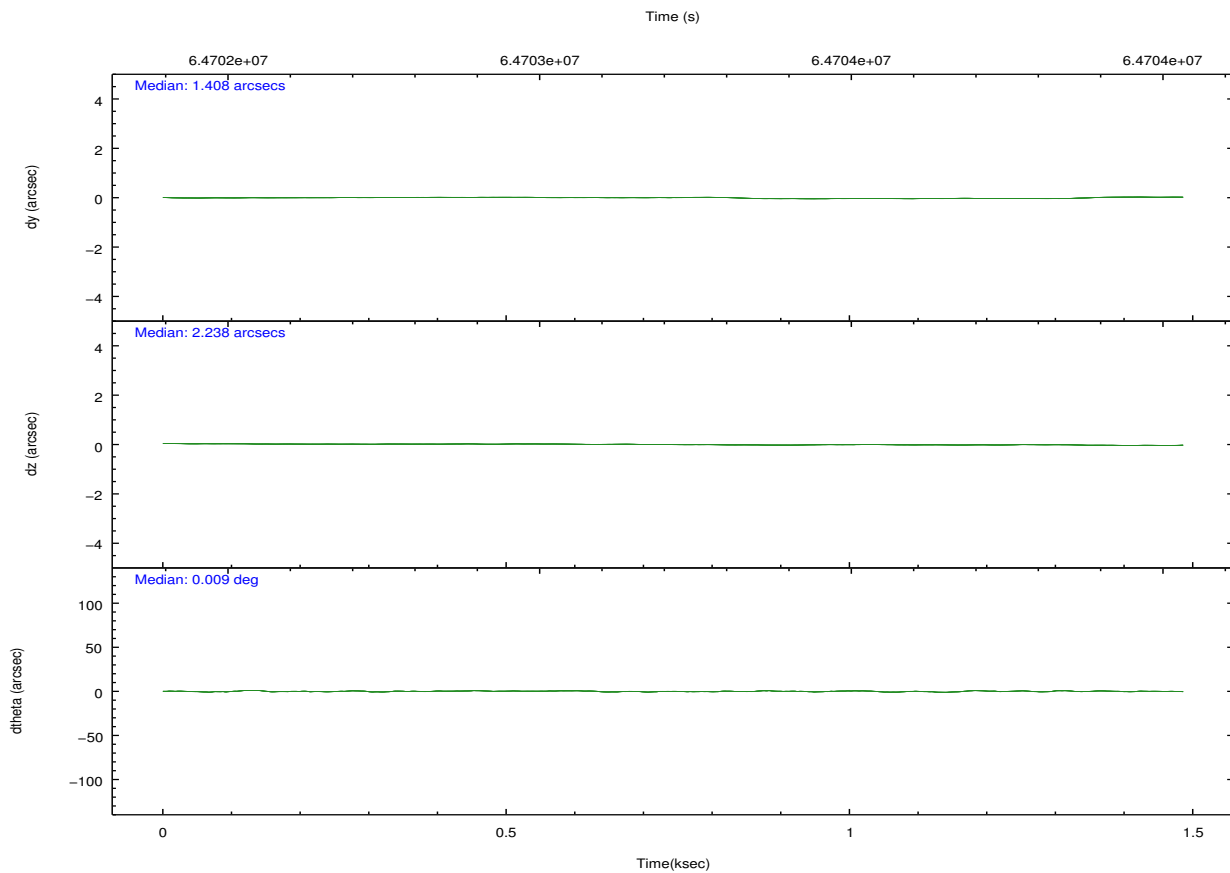
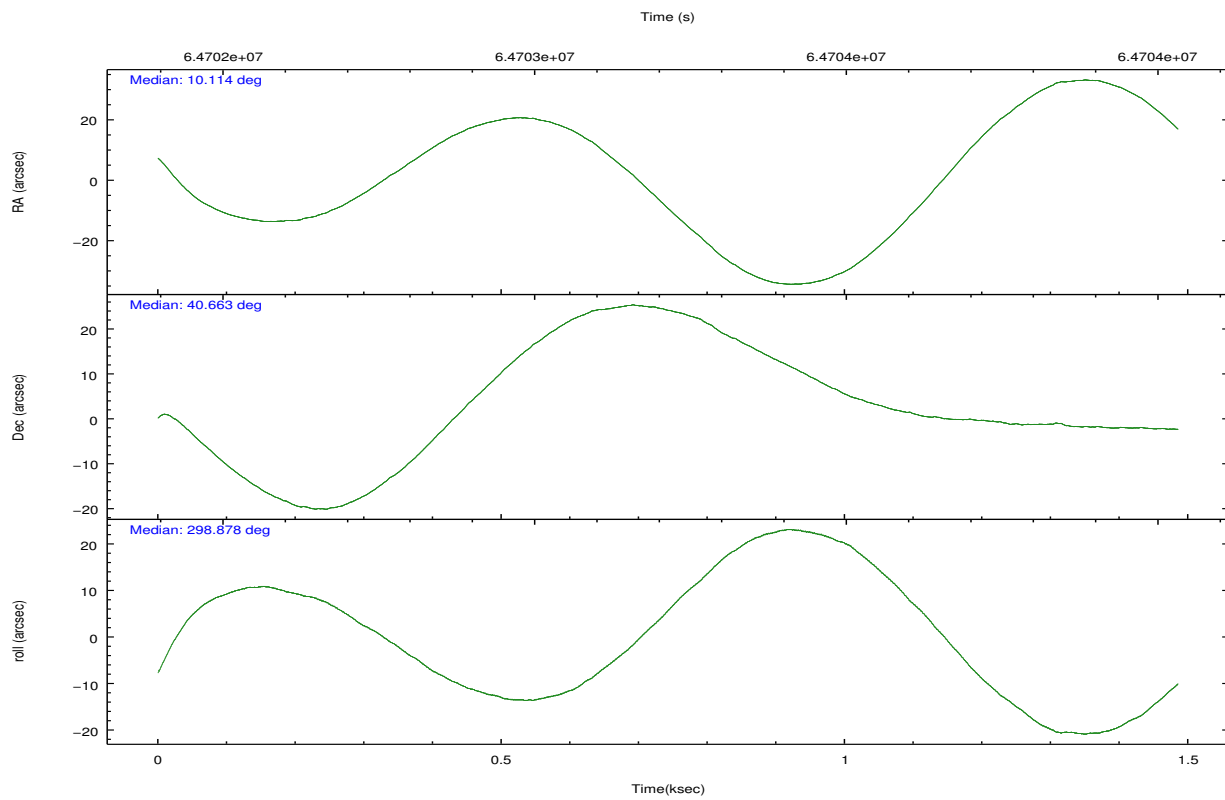
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	10.082080	10.11390006697702
Pointing Dec	40.679324	40.66438298984831
Pointing Roll	298.999326	298.883081609719
SIM focus pos (mm)	-1.040293	-1.038866356238299
SIM defocus (mm)	0	0.001426264420575141
SIM translation stage pos (mm)	126.985494	126.9854943052878
SIM translation stage offset (mm)	0	-5.413686238853188e-06
Observation start time	64702959.184000	64701981.669559
Observation start date	2000-01-19T21:01:35	2000-01-19T20:46:21
Observation end time	64703959.184000	64704092.657136
Observation end date	2000-01-19T21:18:15	2000-01-19T21:21:32

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect



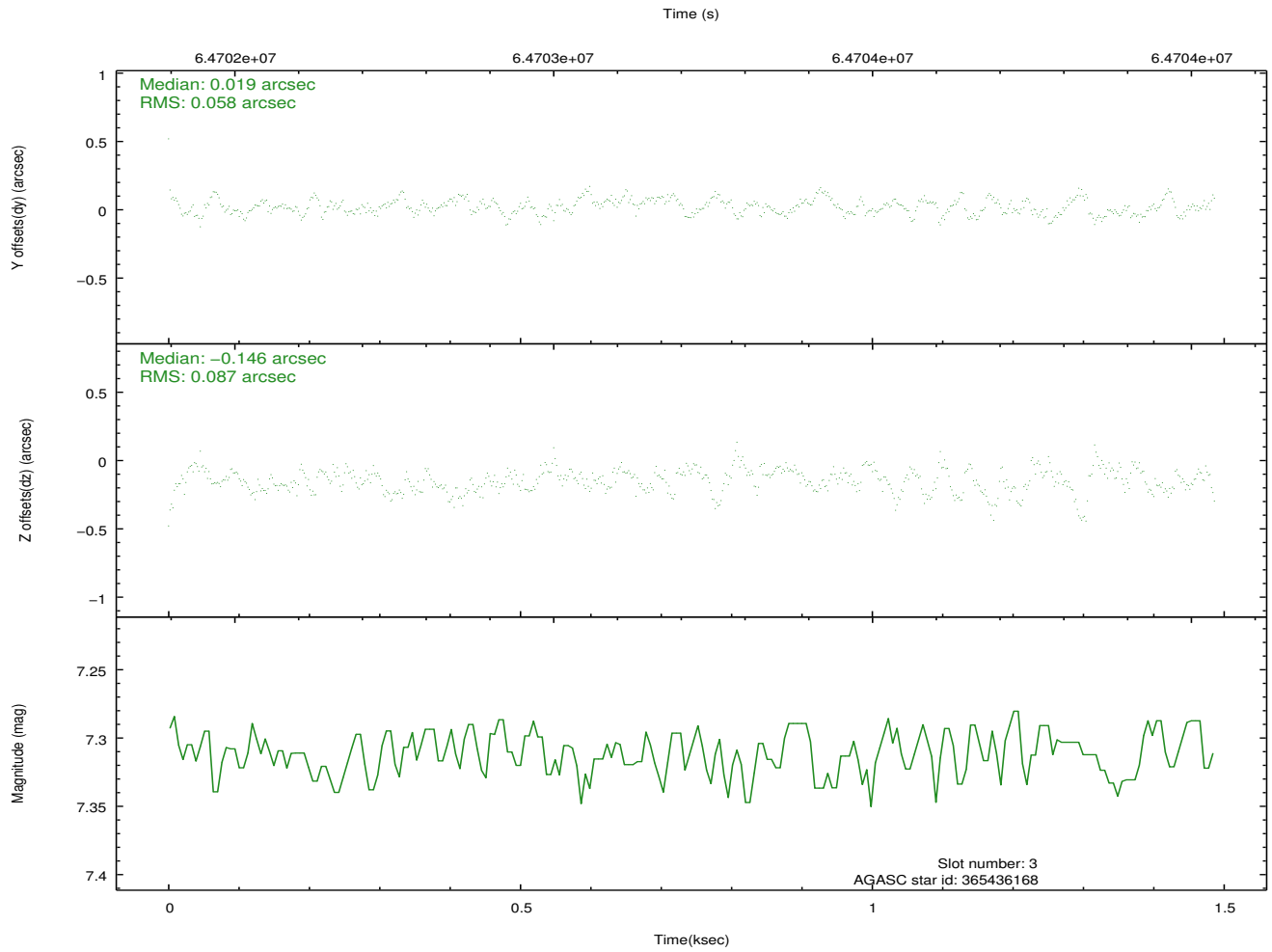
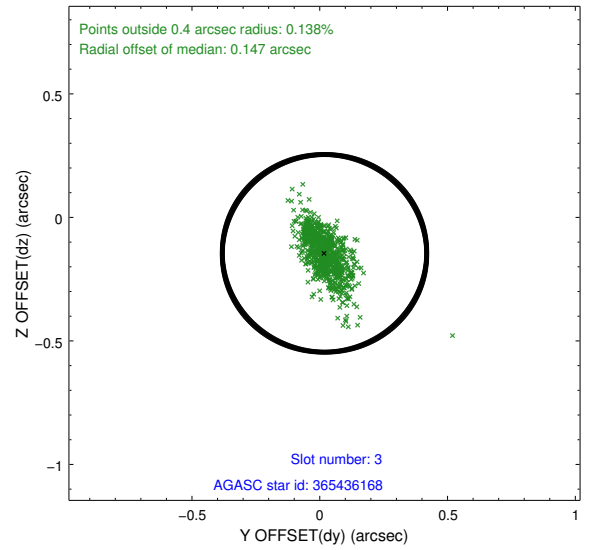
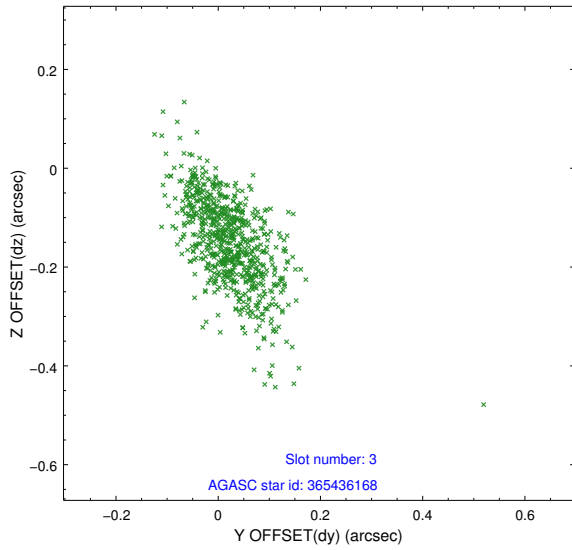


### Slot Statistics

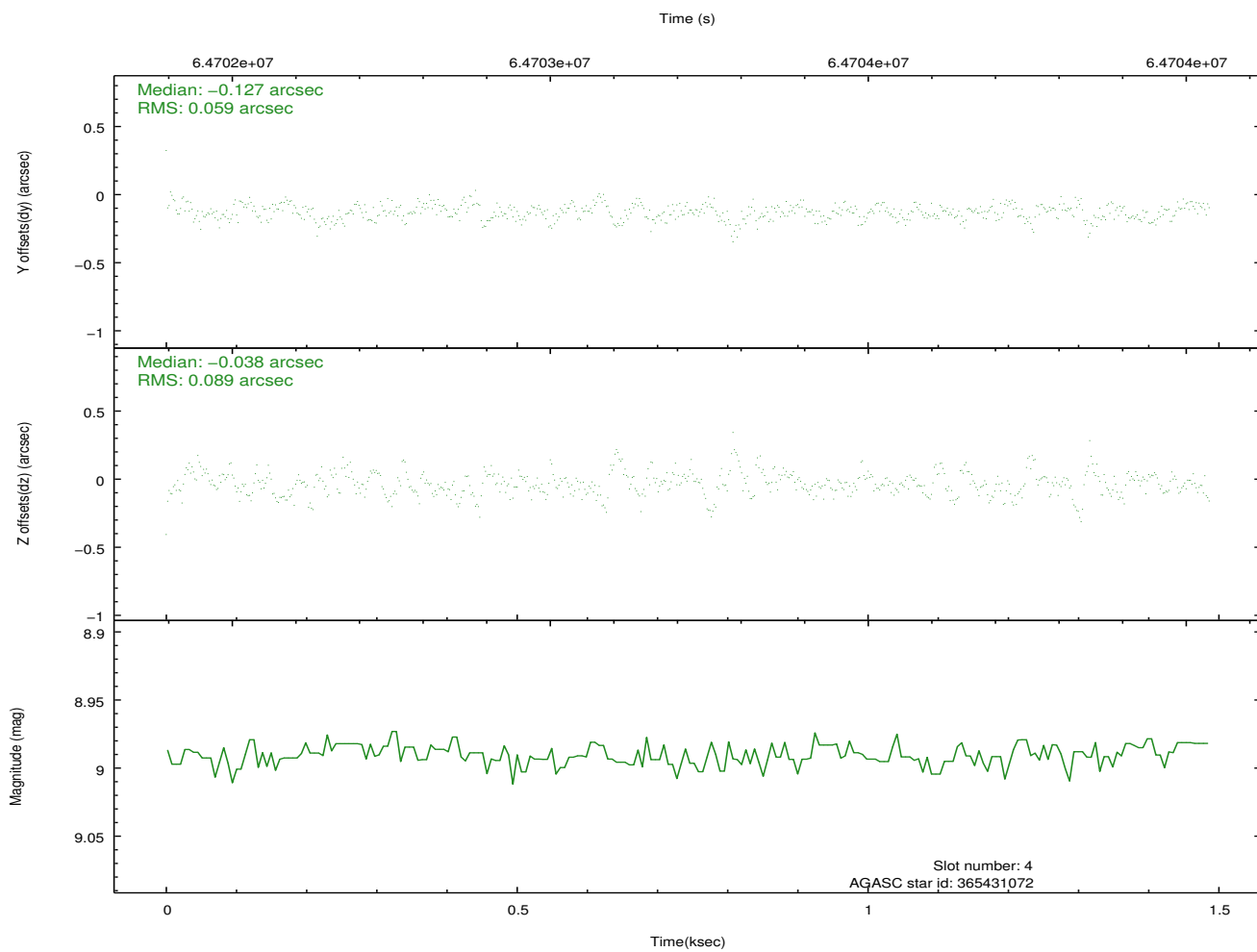
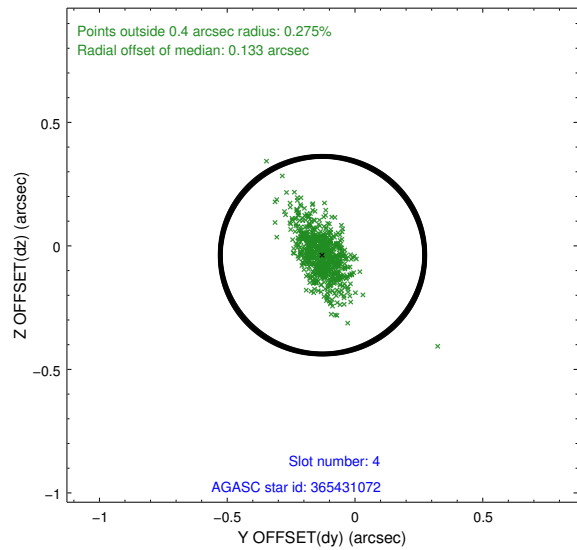
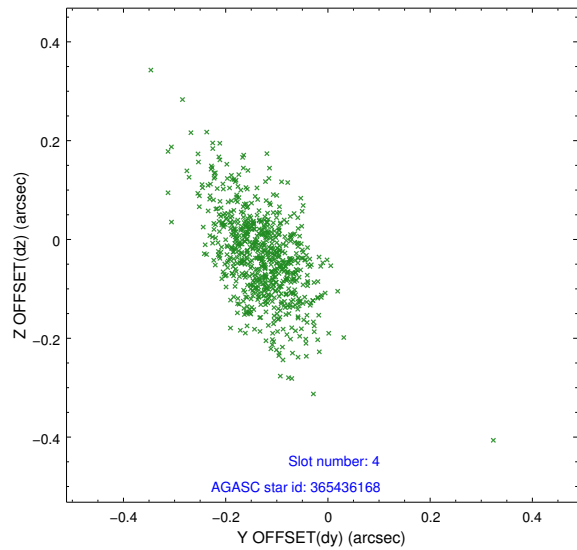
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.93	363	0.054	-0.014	0.006	0.009	0.000000	0.000000	-756.80	-1290.00
1	FID	HRC-I-3	7.02	363	0.043	-0.027	0.006	0.009	0.000000	0.000000	-1187.35	1011.00
2	FID	HRC-I-4	6.96	363	0.018	-0.049	0.004	0.007	0.000000	0.000000	1282.72	1014.89
3	GUIDE	365436168	7.31	726	0.019	-0.146	0.104	0.181	9.360006	40.332380	119.88	-2335.69
4	GUIDE	365431072	8.99	726	-0.127	-0.038	0.103	0.197	9.376278	41.092224	-2240.06	-954.80
5	GUIDE	367144424	8.64	726	0.093	-0.069	0.091	0.158	10.464515	40.309136	1664.60	271.19
6	GUIDE	367658664	9.61	726	-0.134	0.107	0.133	0.233	10.374070	41.369746	-1795.61	1895.13
7	GUIDE	367145856	9.29	724	0.155	0.138	0.106	0.183	10.744946	40.402085	1740.58	1110.91

## 2.4 Star Slots

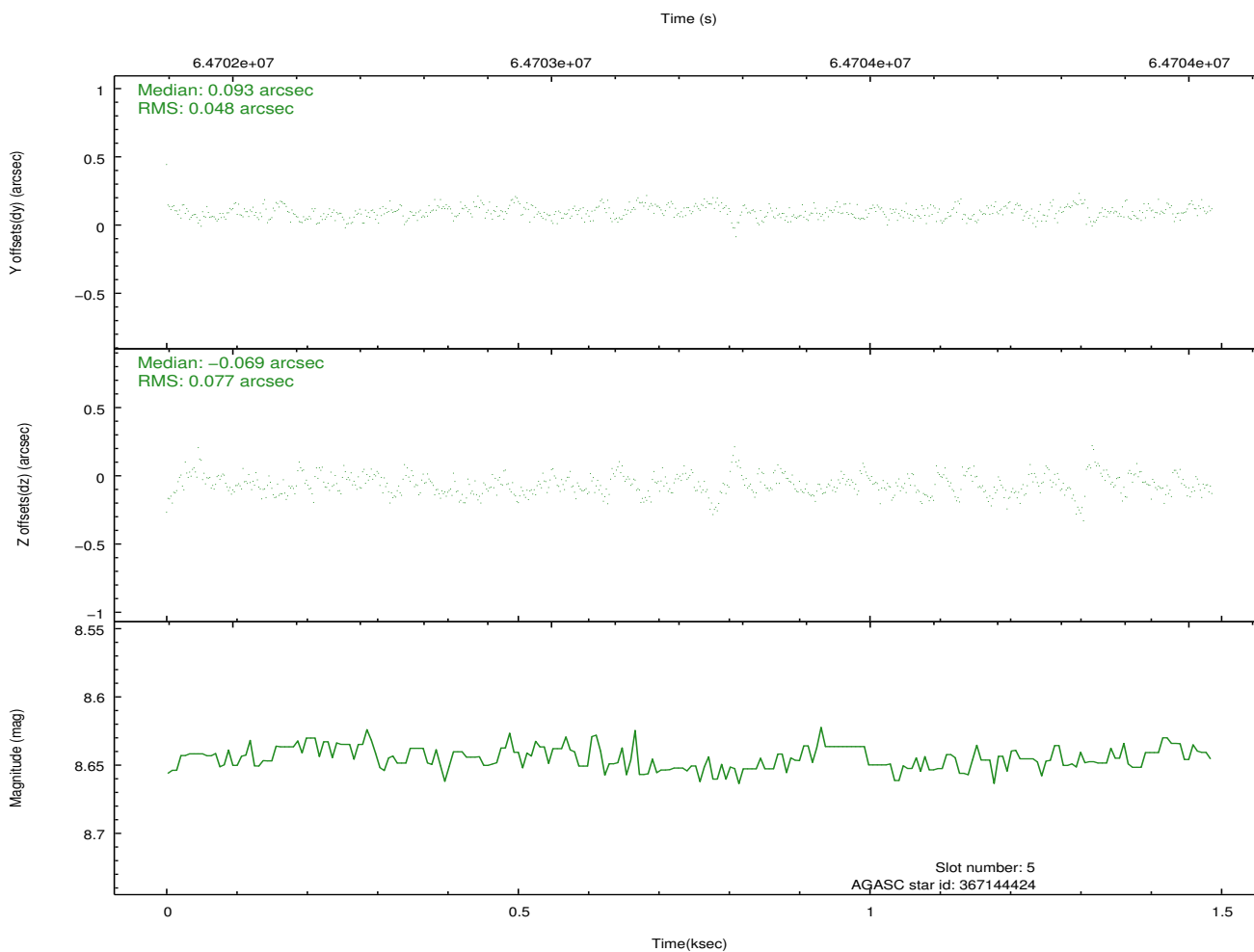
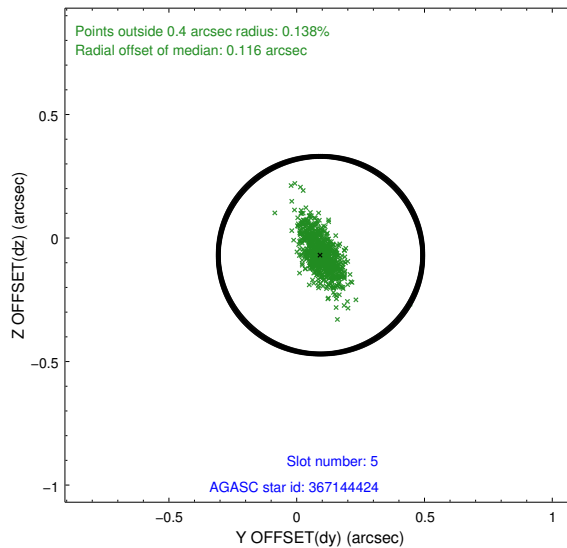
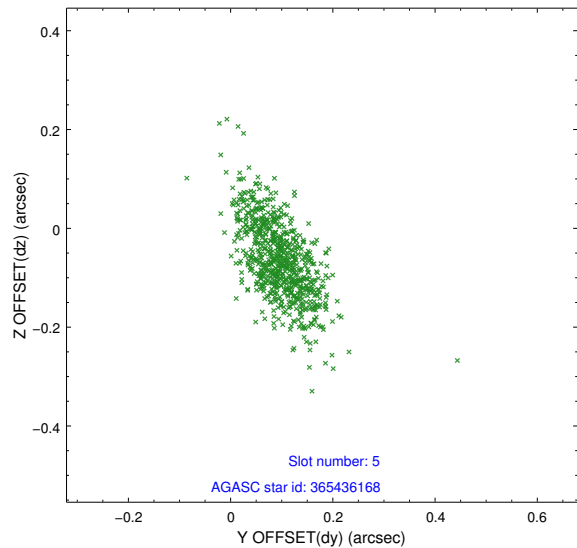
### 2.4.1 Slot 3



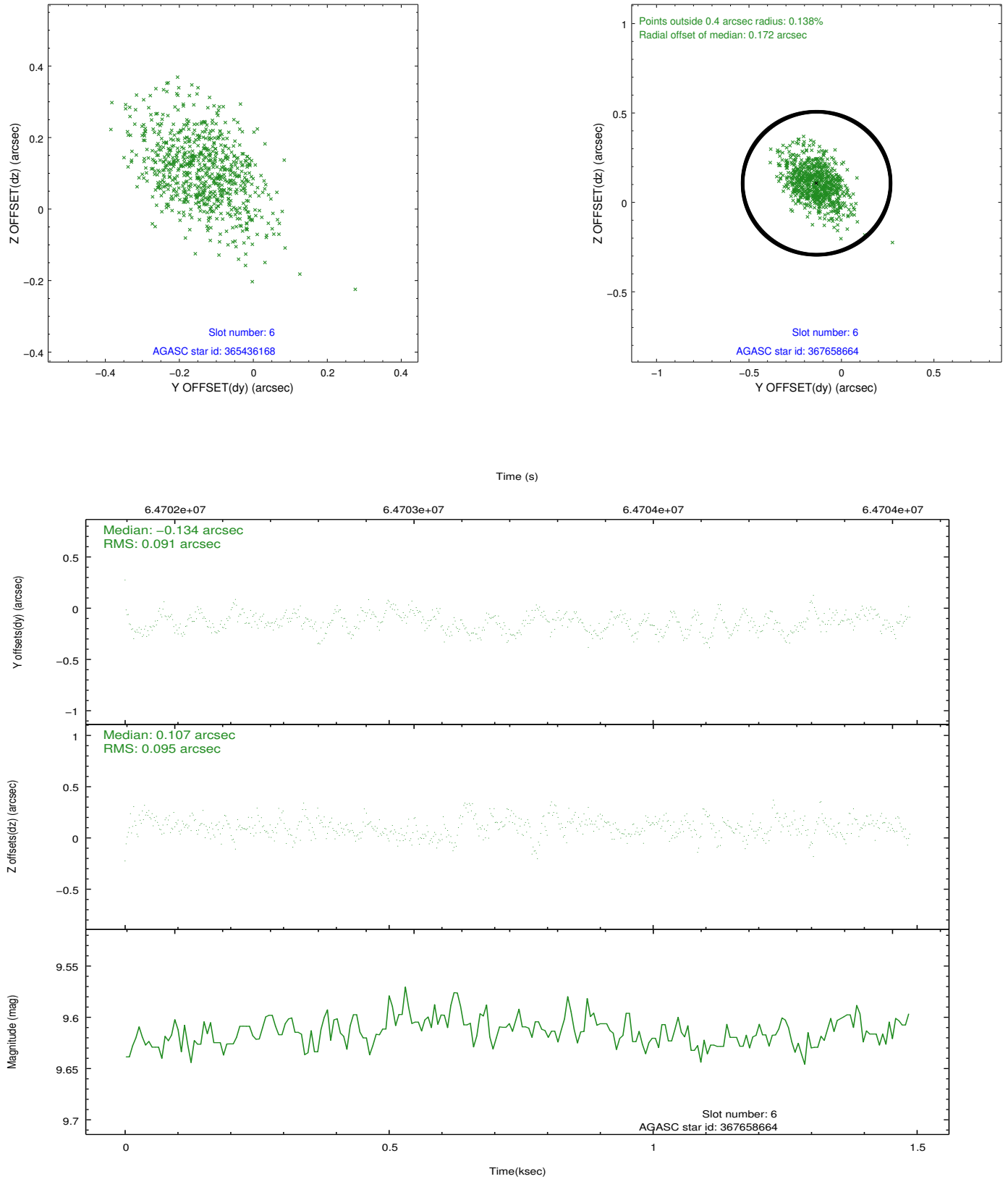
## 2.4.2 Slot 4



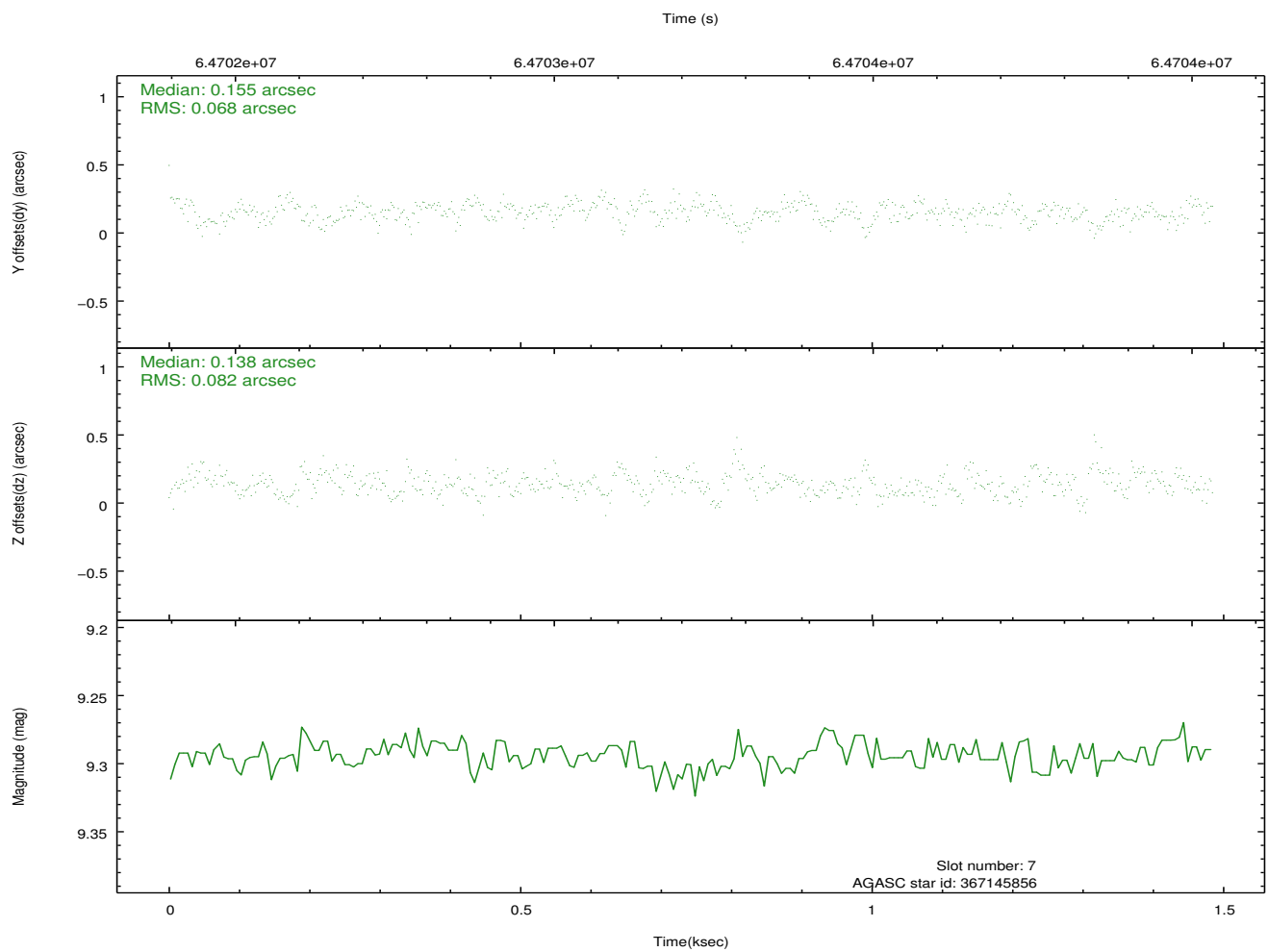
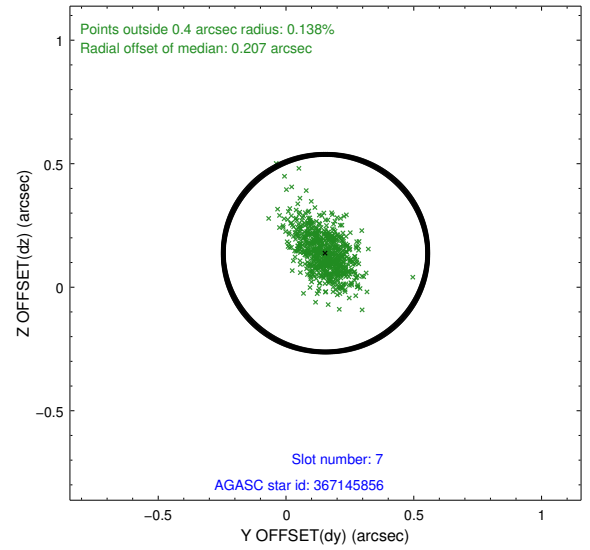
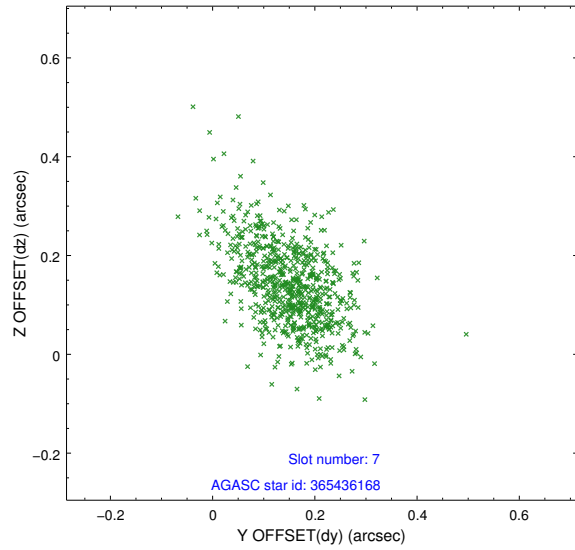
### 2.4.3 Slot 5



## 2.4.4 Slot 6

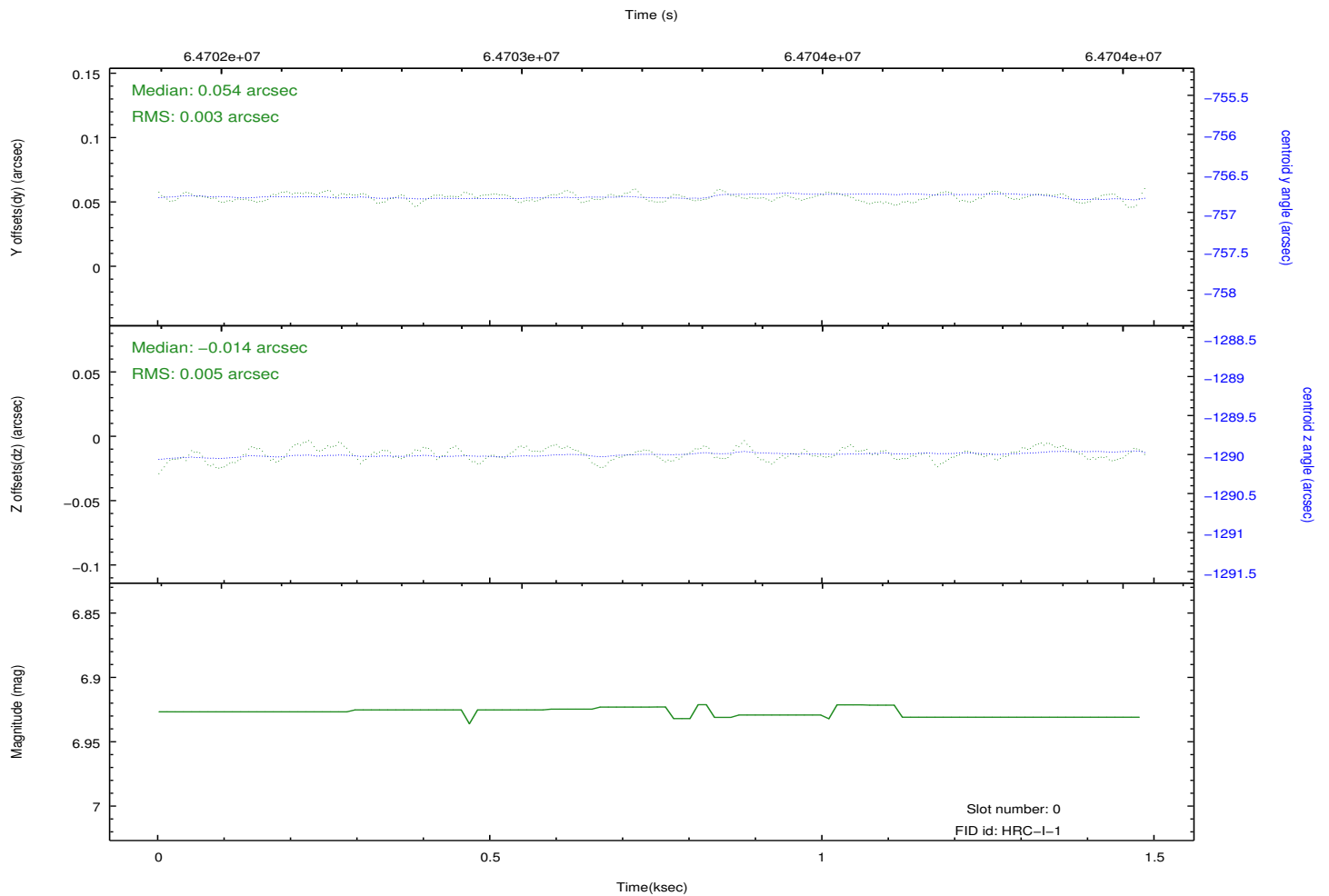
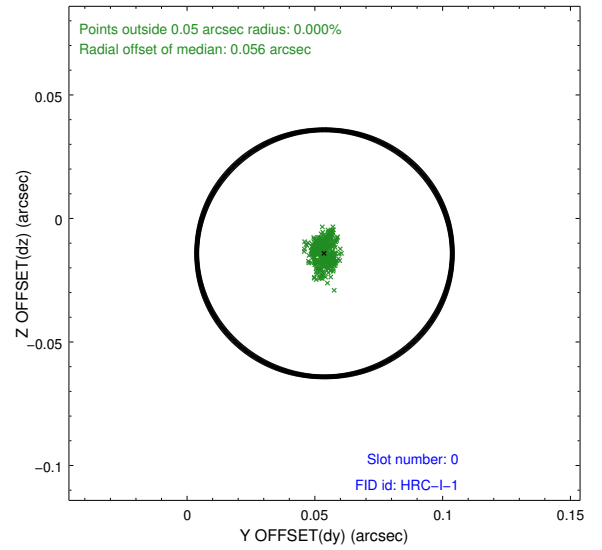
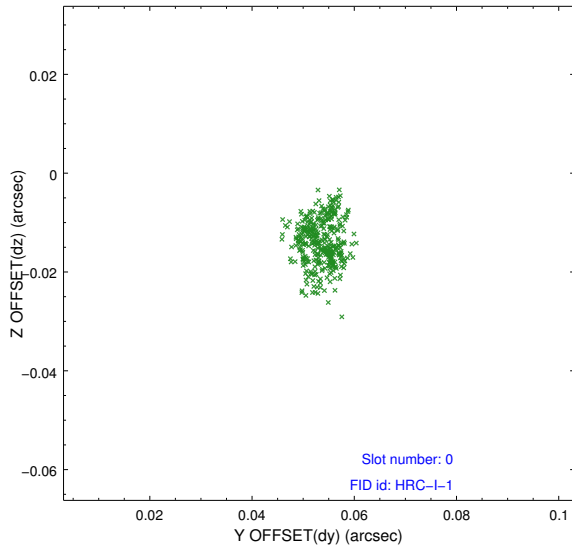


## 2.4.5 Slot 7

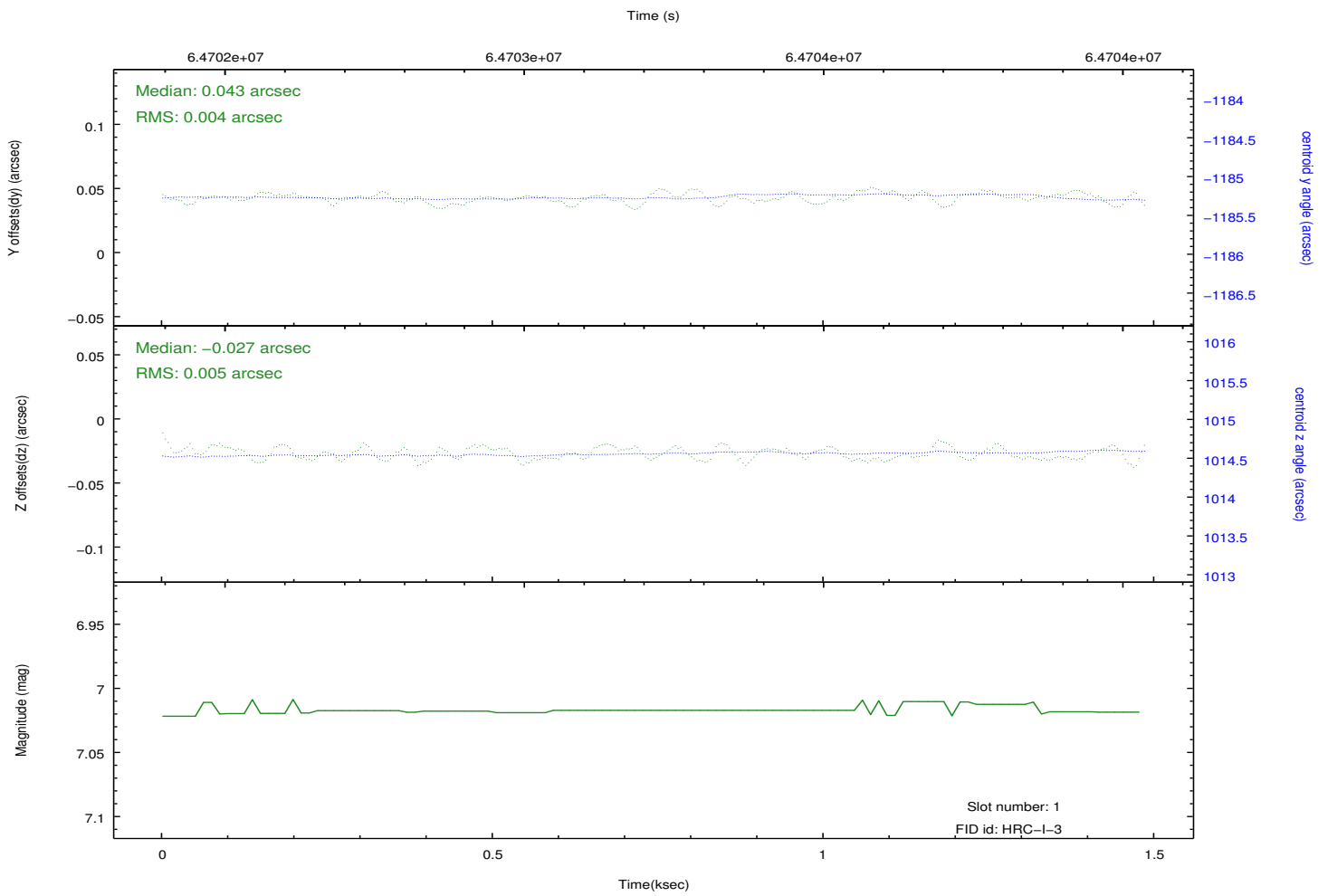
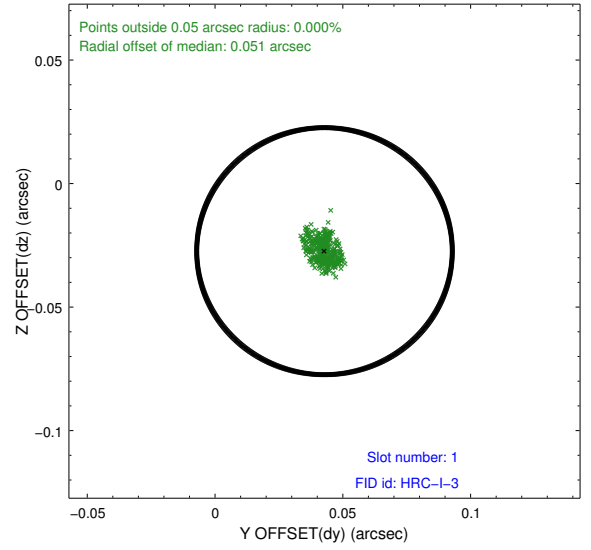
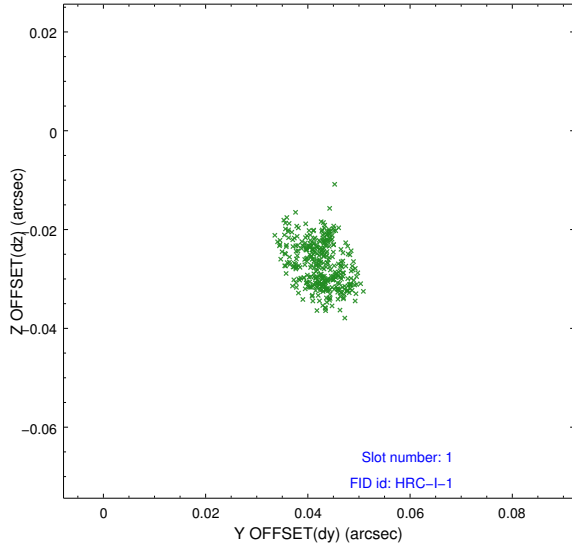


## 2.5 FID Slots

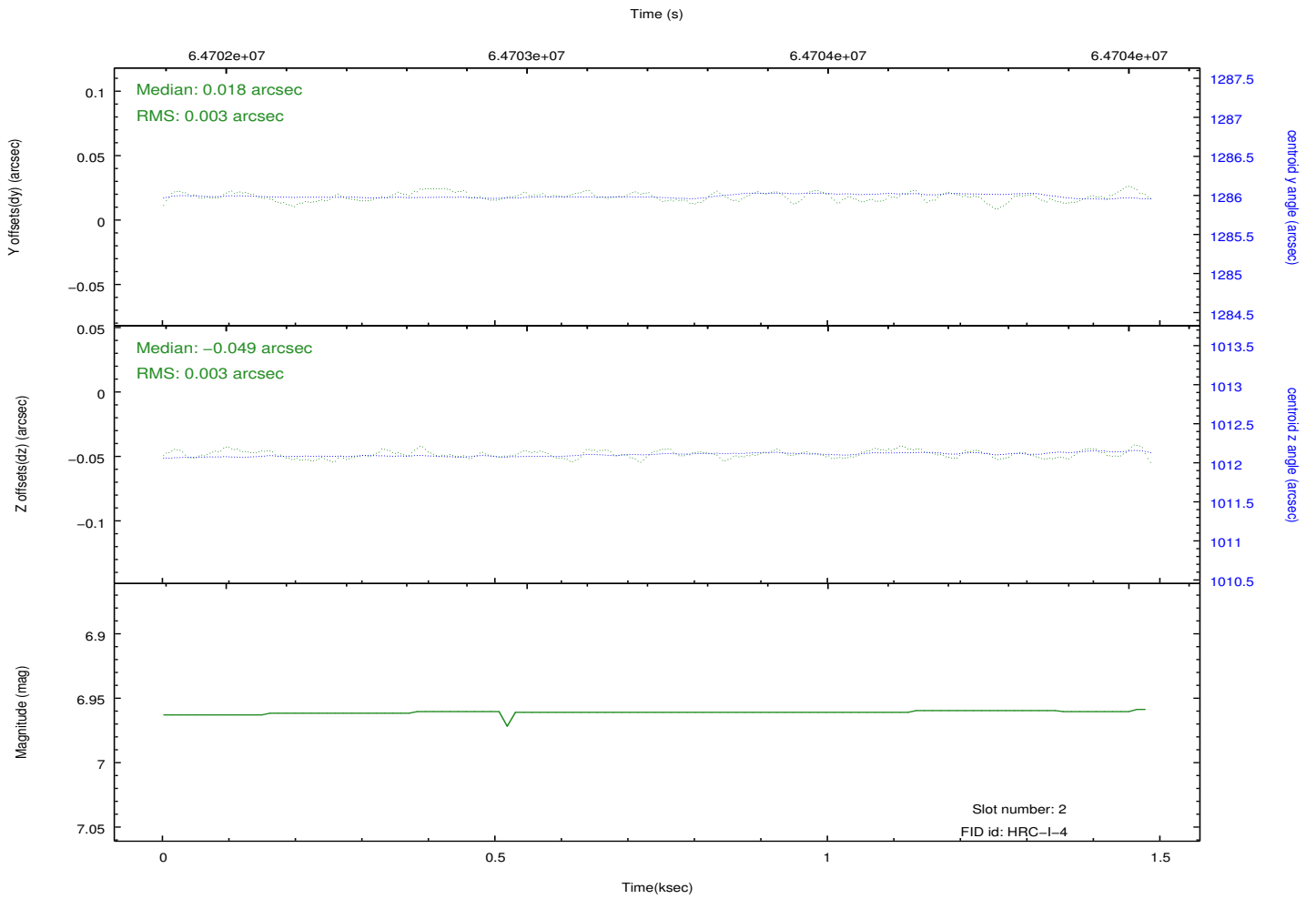
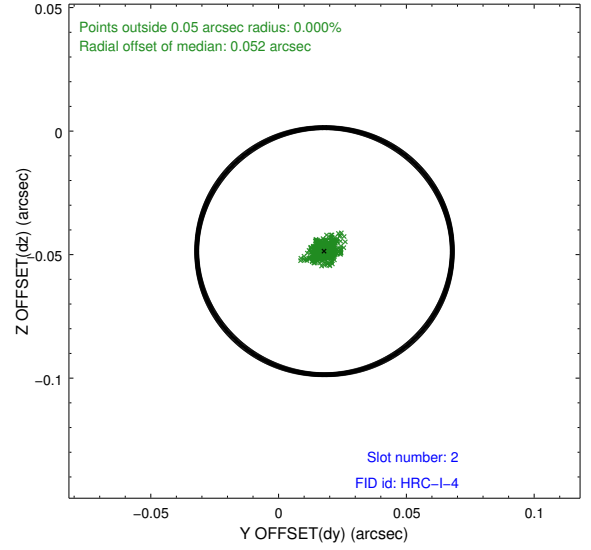
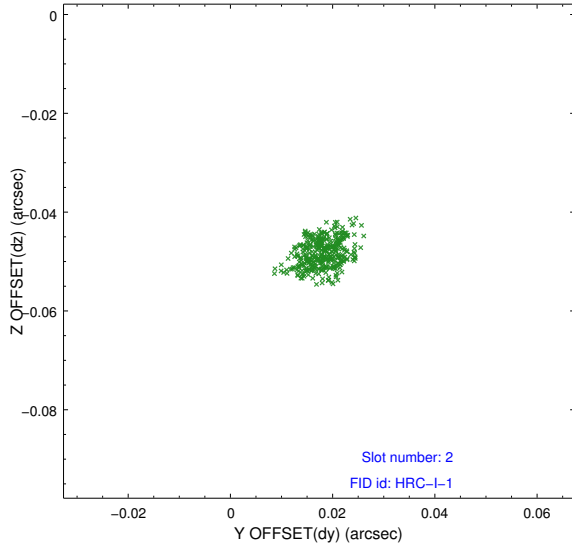
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources

10.53 arcmin



10.54 arcmin



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.16

## A.2 Comments