

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 12505 - L2 Version 3  
Chandra X-Ray Center

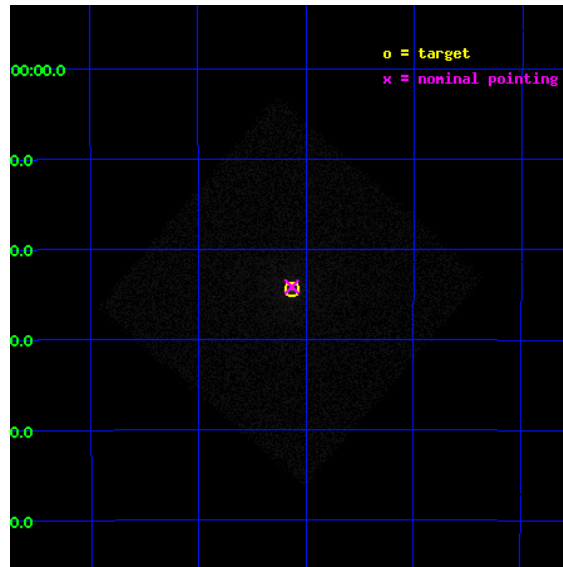
L2 Processing Date : Jul 27 2012

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# 1 Front

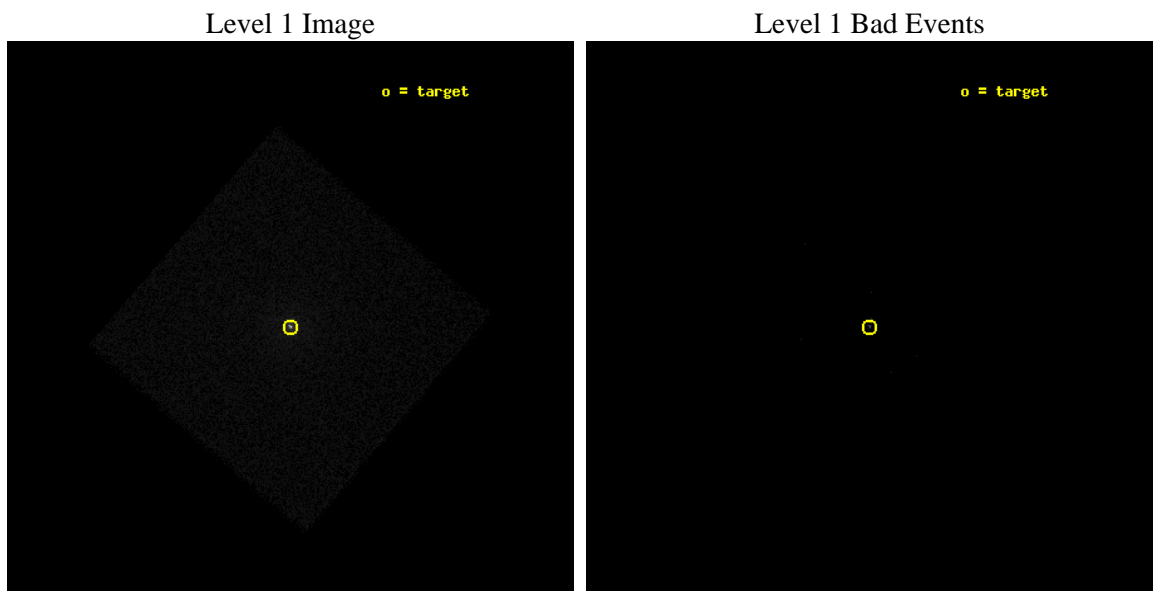
seq_num	401246	Sequence number
obs_id	12505	Observation id
title	Refining the positions of soft gamma-ray sources with Chandra	Prop
observer	Dr. Arash Bodaghee	Principal investigator
object	IGR J17091-3624	Source name
ra_targ	257.281667	Observer's specified target RA [deg]
dec_targ	-36.406917	Observer's specified target Dec [deg]
ra_nom	257.28259830421	Nominal RA [deg]
dec_nom	-36.402873179389	Nominal Dec [deg]
roll_nom	85.770869484877	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1141.0813090801	[s]
livetime	1125.1254487489	Ontime multiplied by DTCOR
l2events	138461	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1141.0813090801	[s]
caldbver	4.5.1	&#160	l1events	281489	Number of level 1 events
date	2012-07-27T21:29:44	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

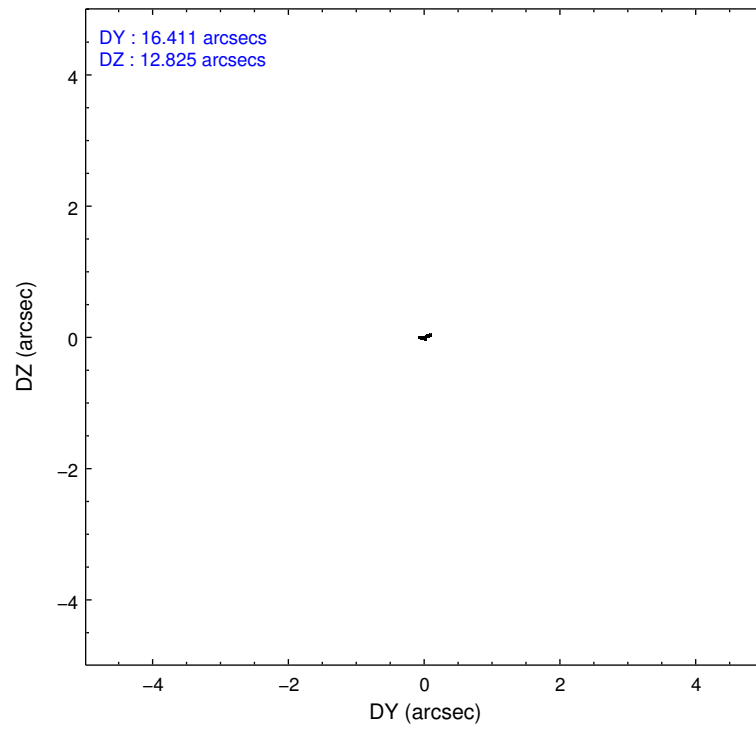
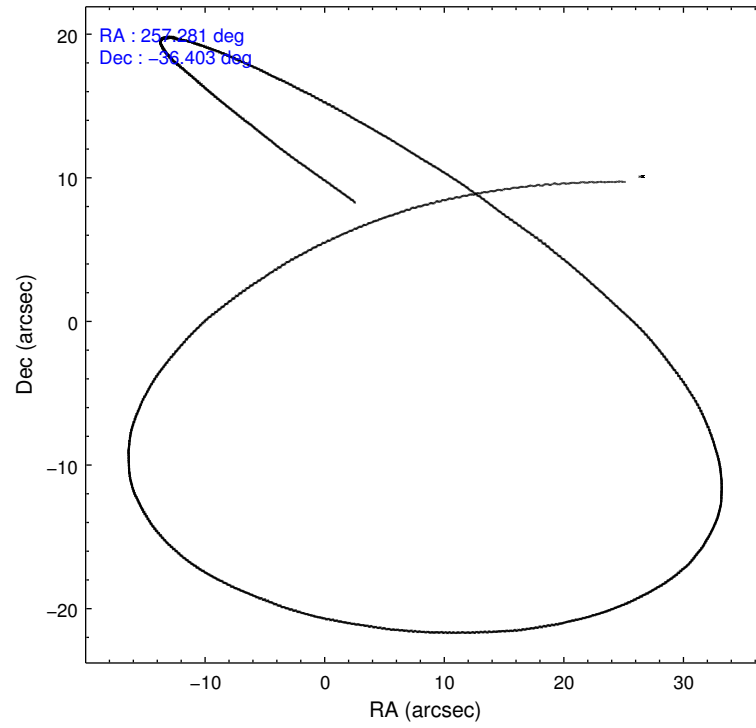
#### Level 1 Events

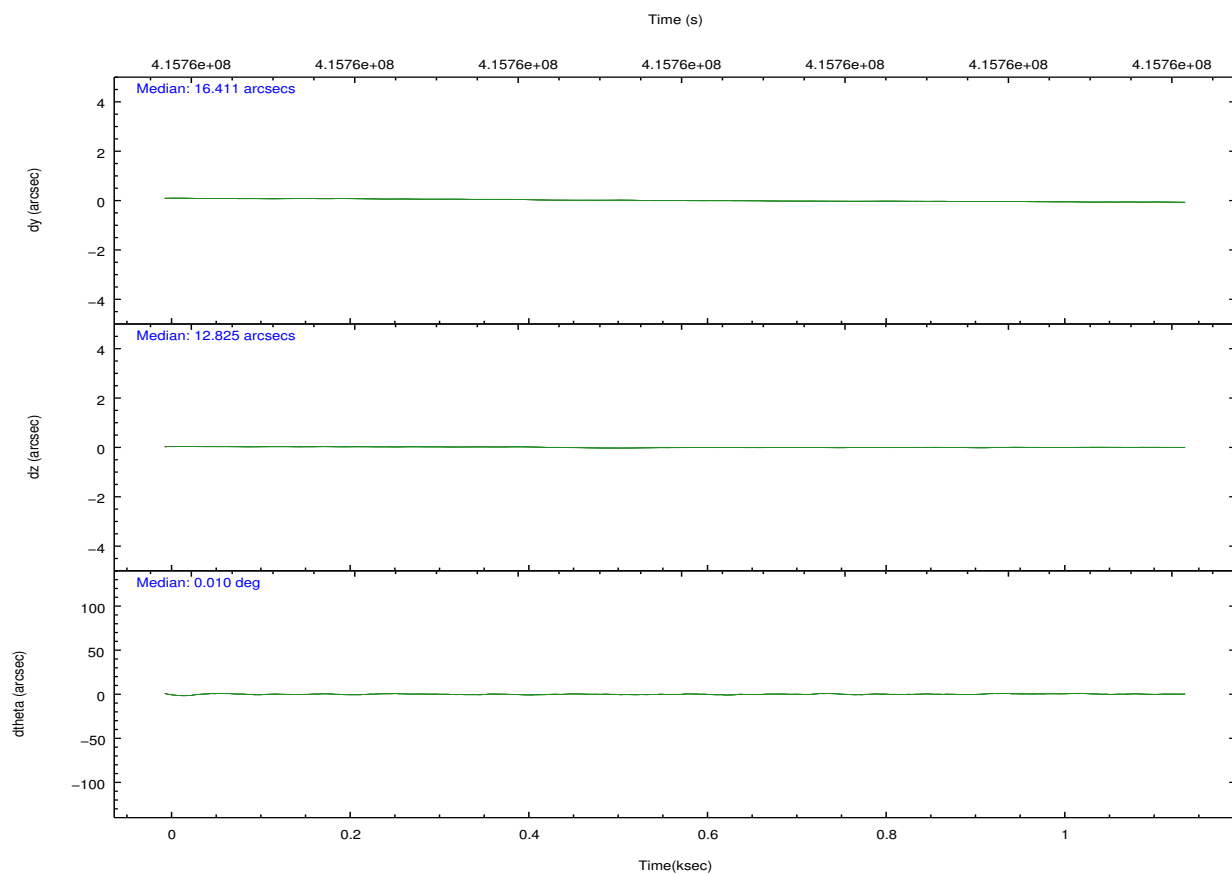
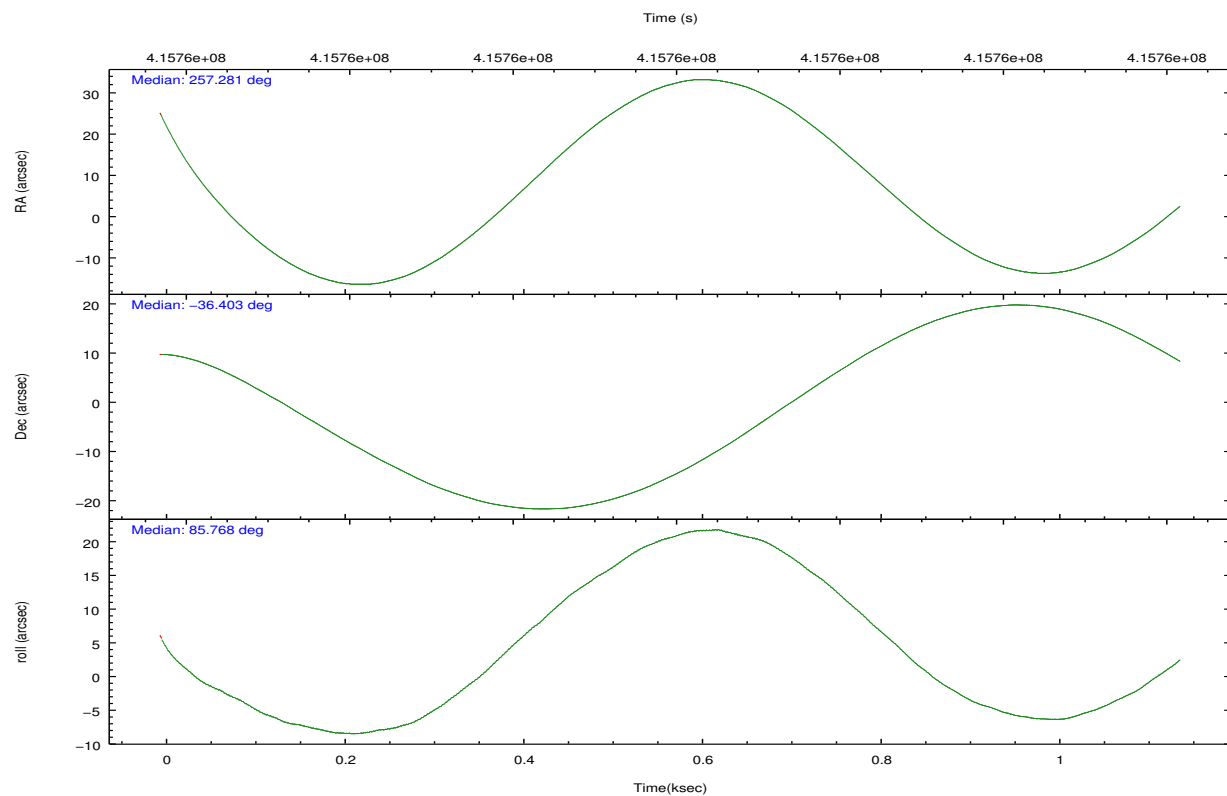
	<b>segment 0</b>
level 1 events	281489
rejected events	107861
rejected %	38%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	257.299352	257.2825983042059			
[deg] Pointing Dec	-36.427329	-36.40287317938905			
[deg] Pointing Roll	85.876381	85.77086948487687			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	415760167.184000	415759115.57124			
Observation start date	2011-03-06T00:55:01	2011-03-06T00:38:35			
[s] Observation end time (MET)	415761167.184000	415762005.55889			
Observation end date	2011-03-06T01:11:41	2011-03-06T01:26:45			

## 2.3 Aspect





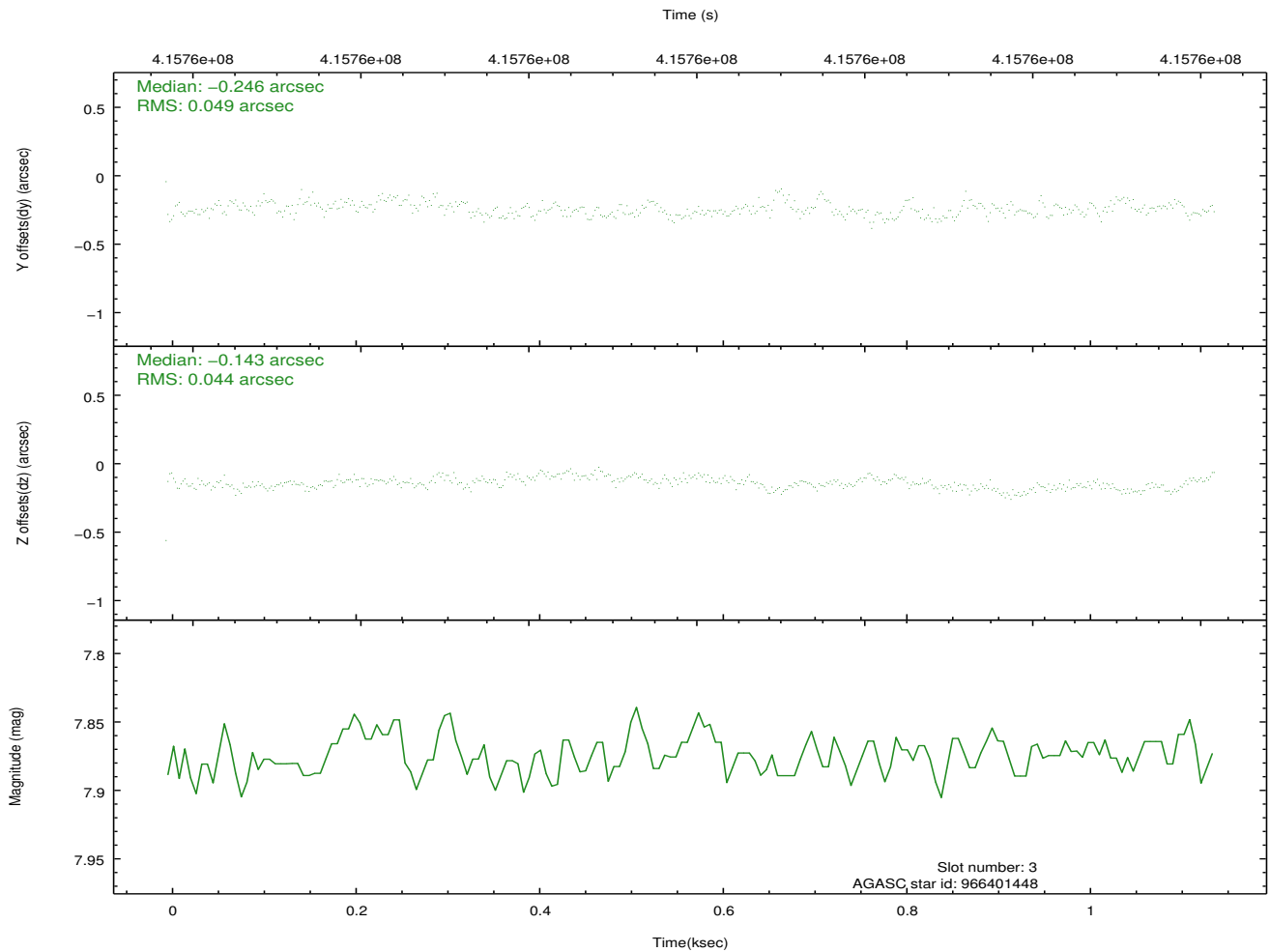
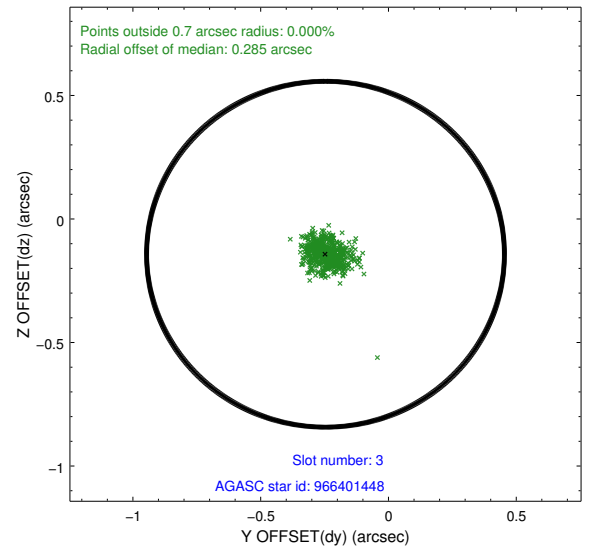
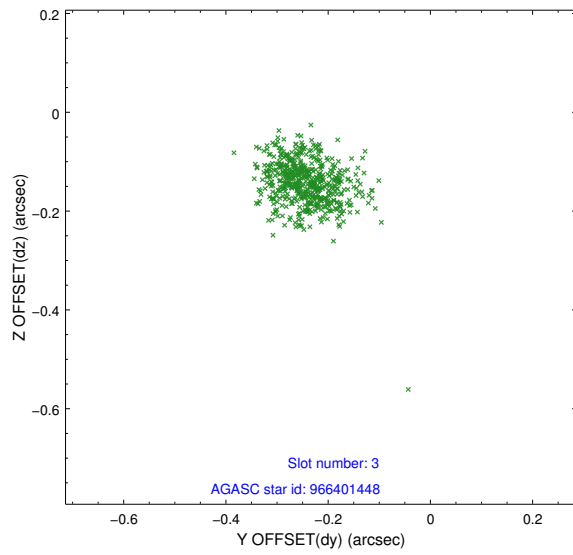
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	279	-0.076	0.025	0.007	0.011	0.000000	0.000000	-772.37	-1300.86
1	FID	HRC-I-2	7.03	279	0.241	-0.139	0.006	0.012	0.000000	0.000000	837.80	-1307.30
2	FID	HRC-I-3	7.08	279	-0.046	0.026	0.007	0.011	0.000000	0.000000	-1197.77	999.03
3	GUIDE	966401448	7.88	558	-0.246	-0.143	0.068	0.108	256.771484	-35.758991	2283.93	1706.91
4	GUIDE	966402904	8.12	558	-0.192	0.378	0.070	0.112	257.709598	-36.005094	1602.91	-1082.98
5	GUIDE	966396120	7.85	557	0.173	-0.046	0.073	0.125	256.737004	-36.720258	-1170.91	1536.31
6	GUIDE	966398520	8.31	558	-0.163	-0.140	0.081	0.132	256.842646	-35.892866	1816.90	1465.18
7	GUIDE	966394144	8.63	557	0.426	-0.059	0.071	0.119	256.902901	-37.062041	-2360.51	970.52

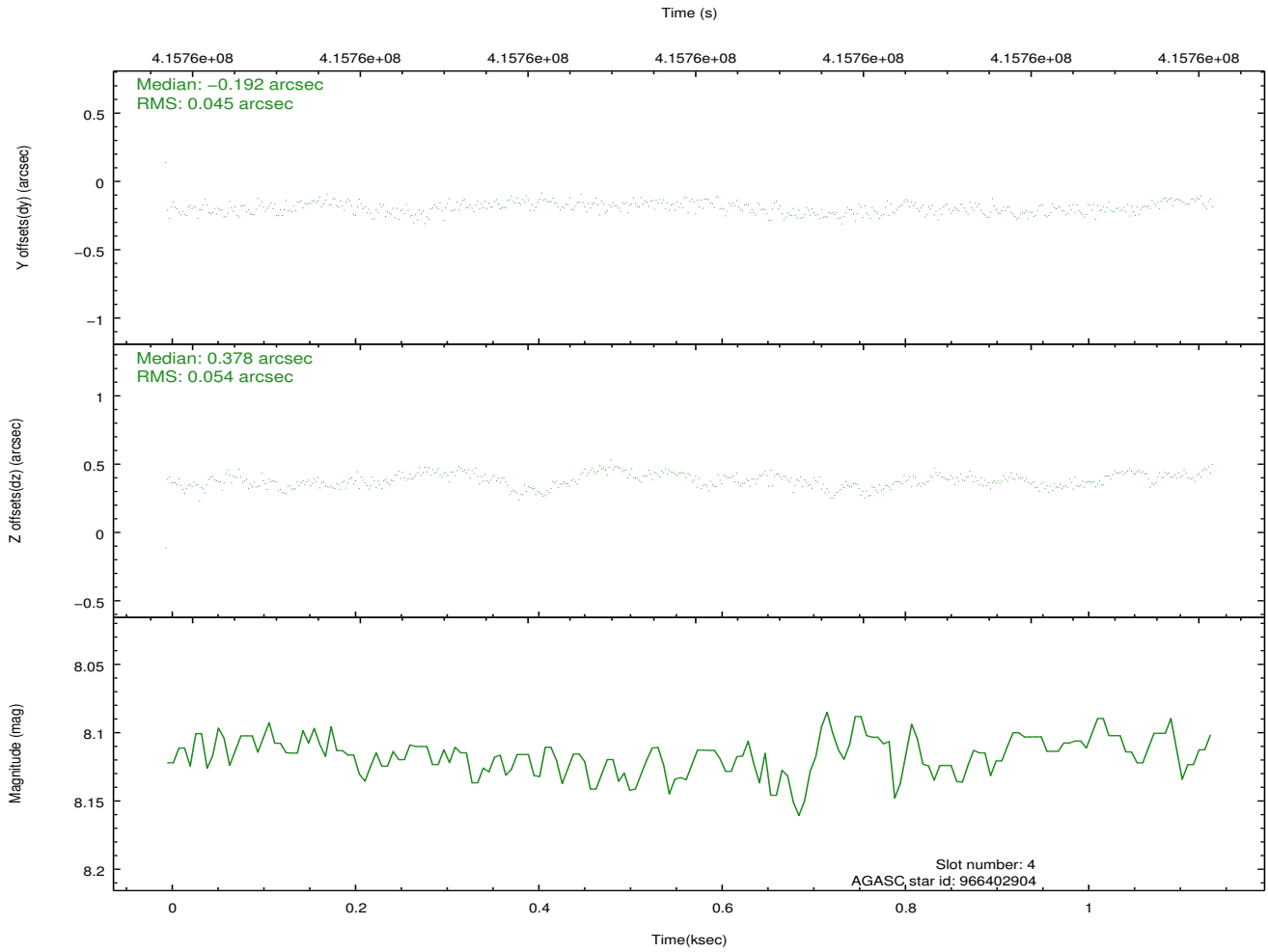
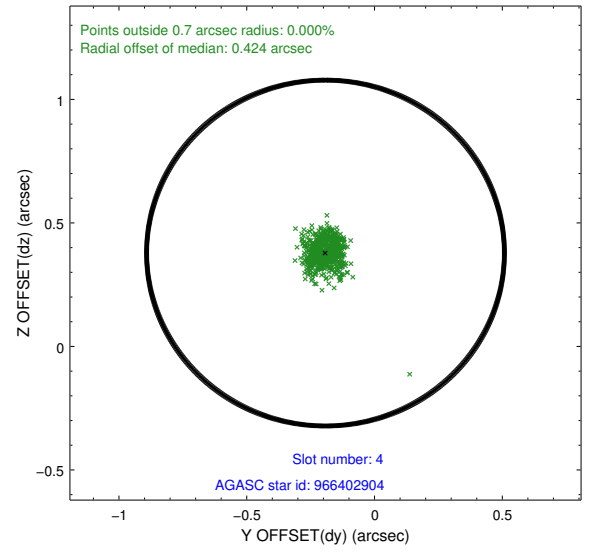
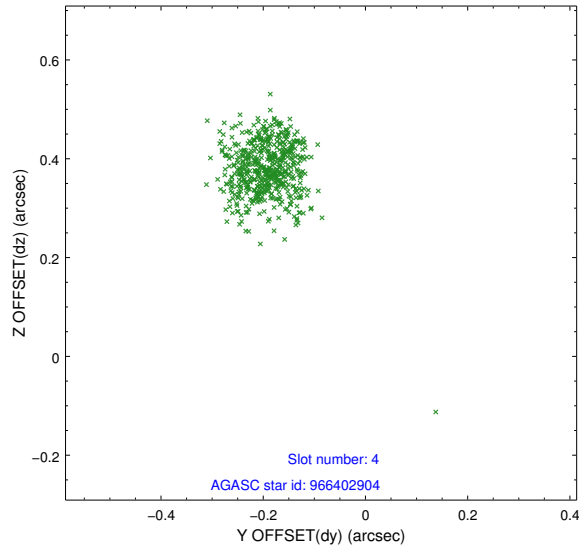


## 2.4 Star Slots

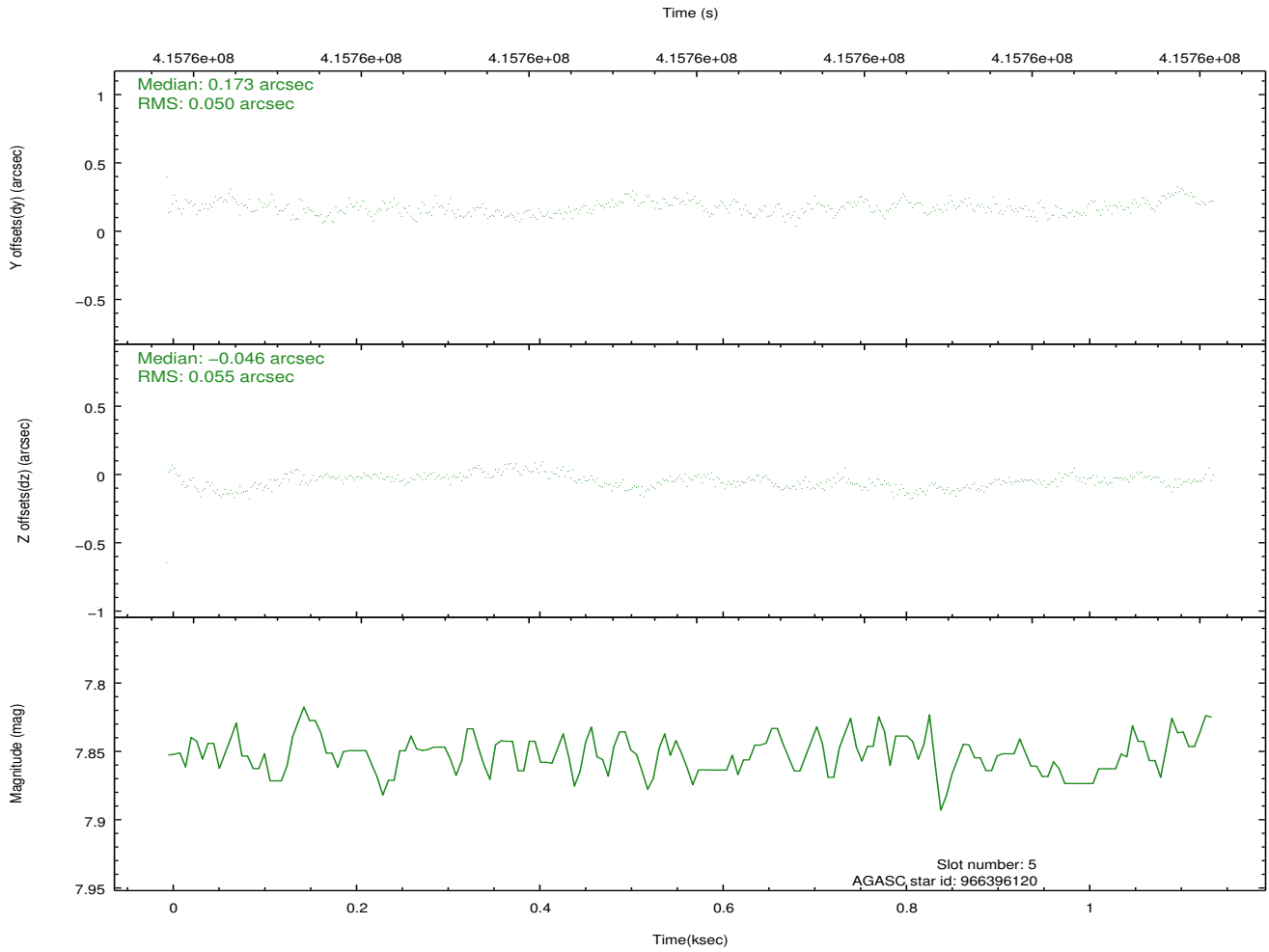
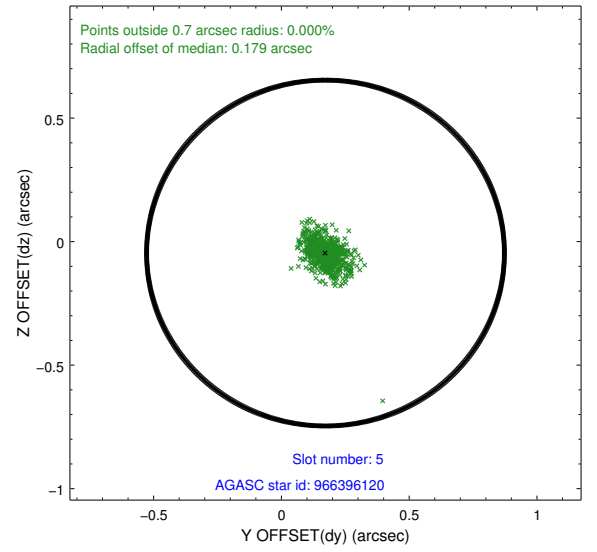
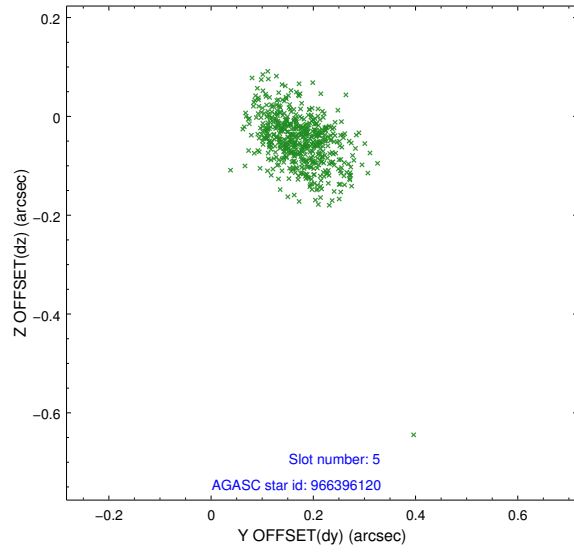
### 2.4.1 Slot 3



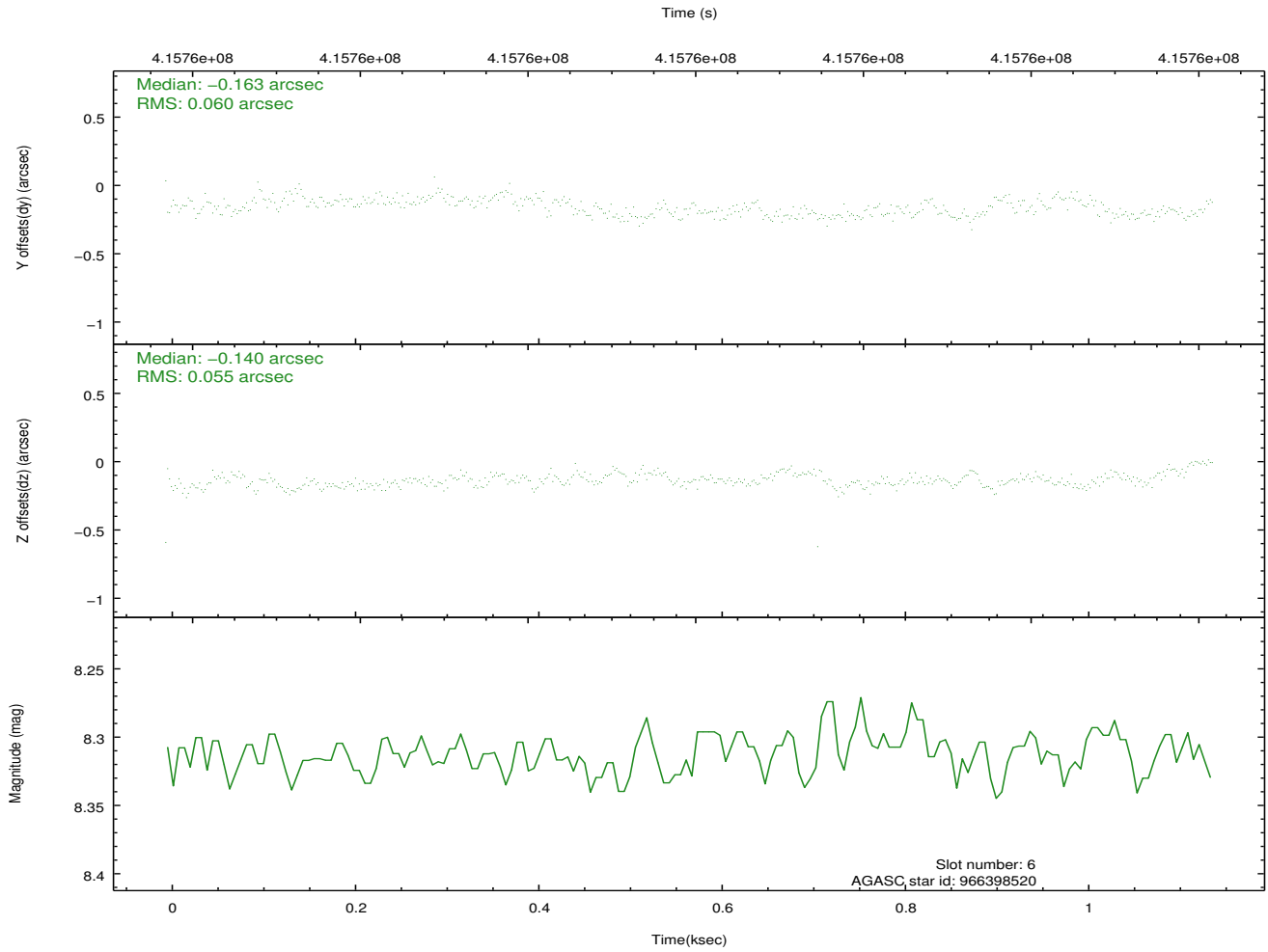
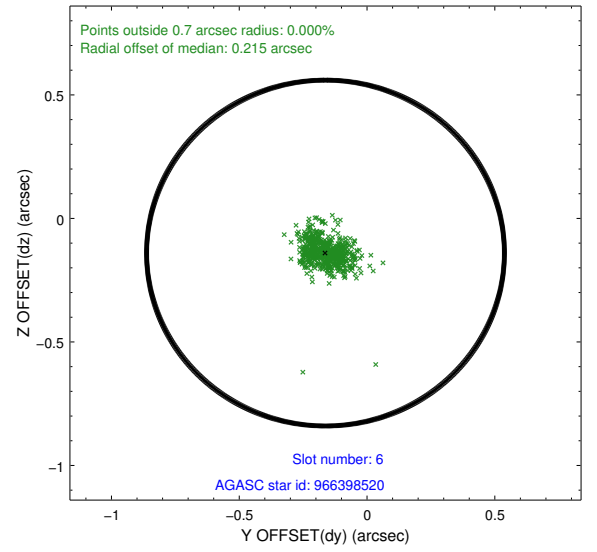
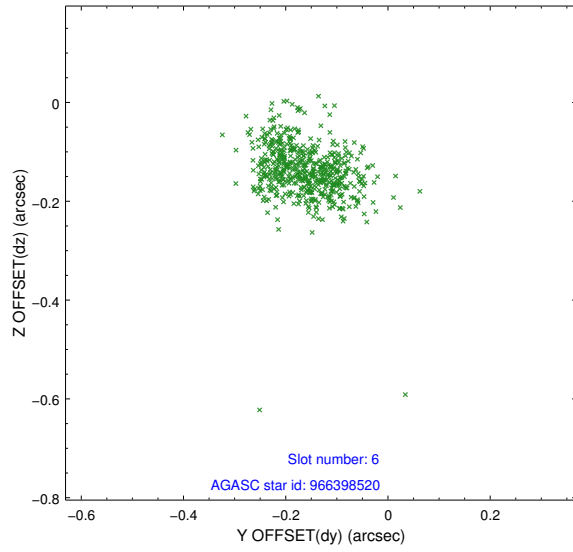
## 2.4.2 Slot 4



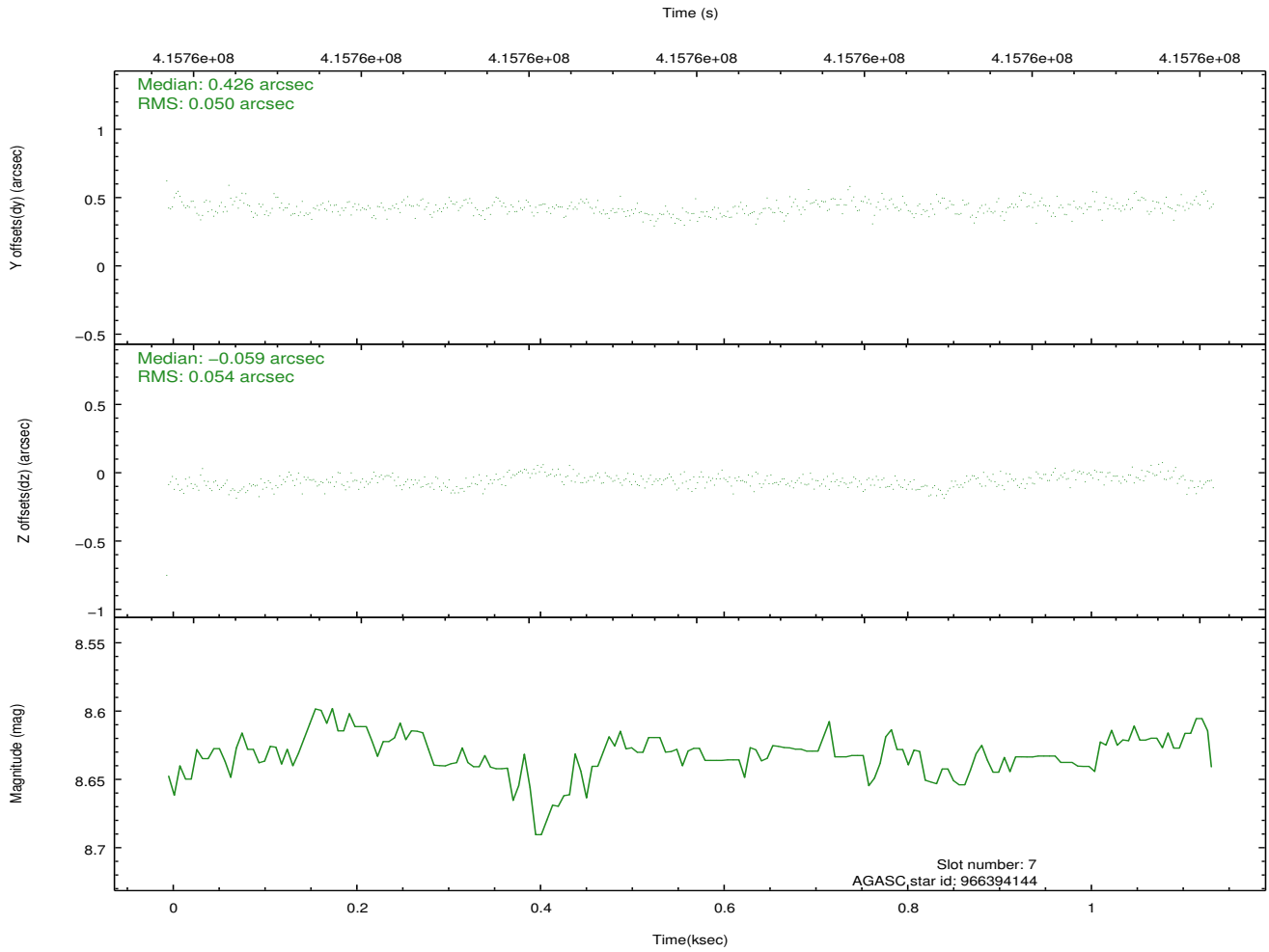
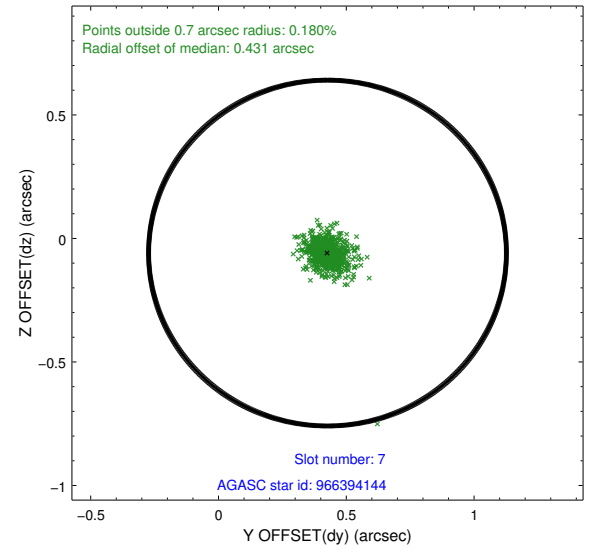
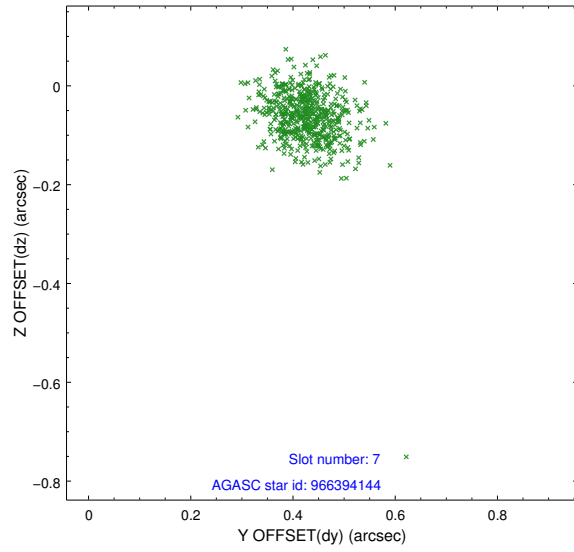
### 2.4.3 Slot 5



## 2.4.4 Slot 6

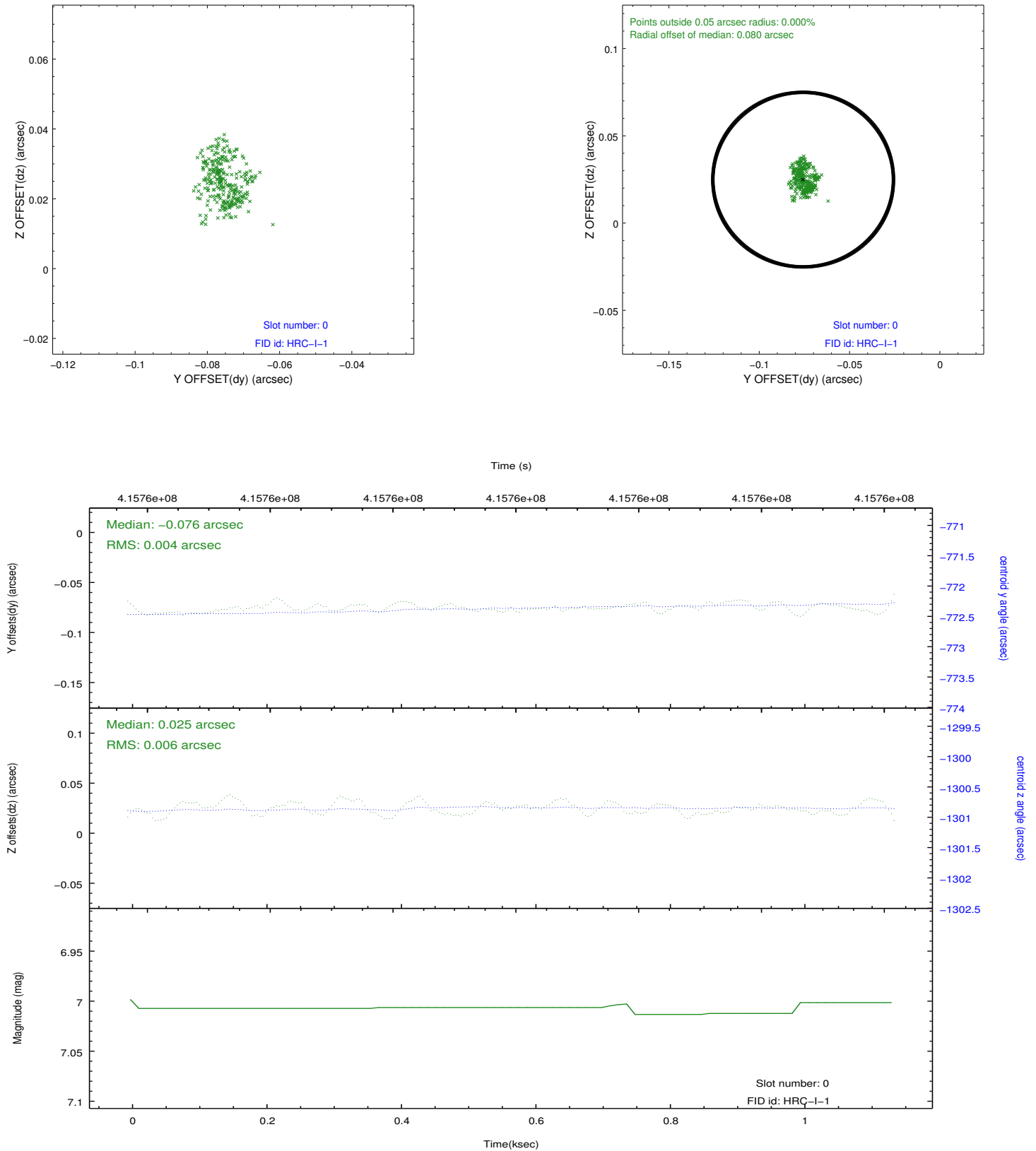


## 2.4.5 Slot 7

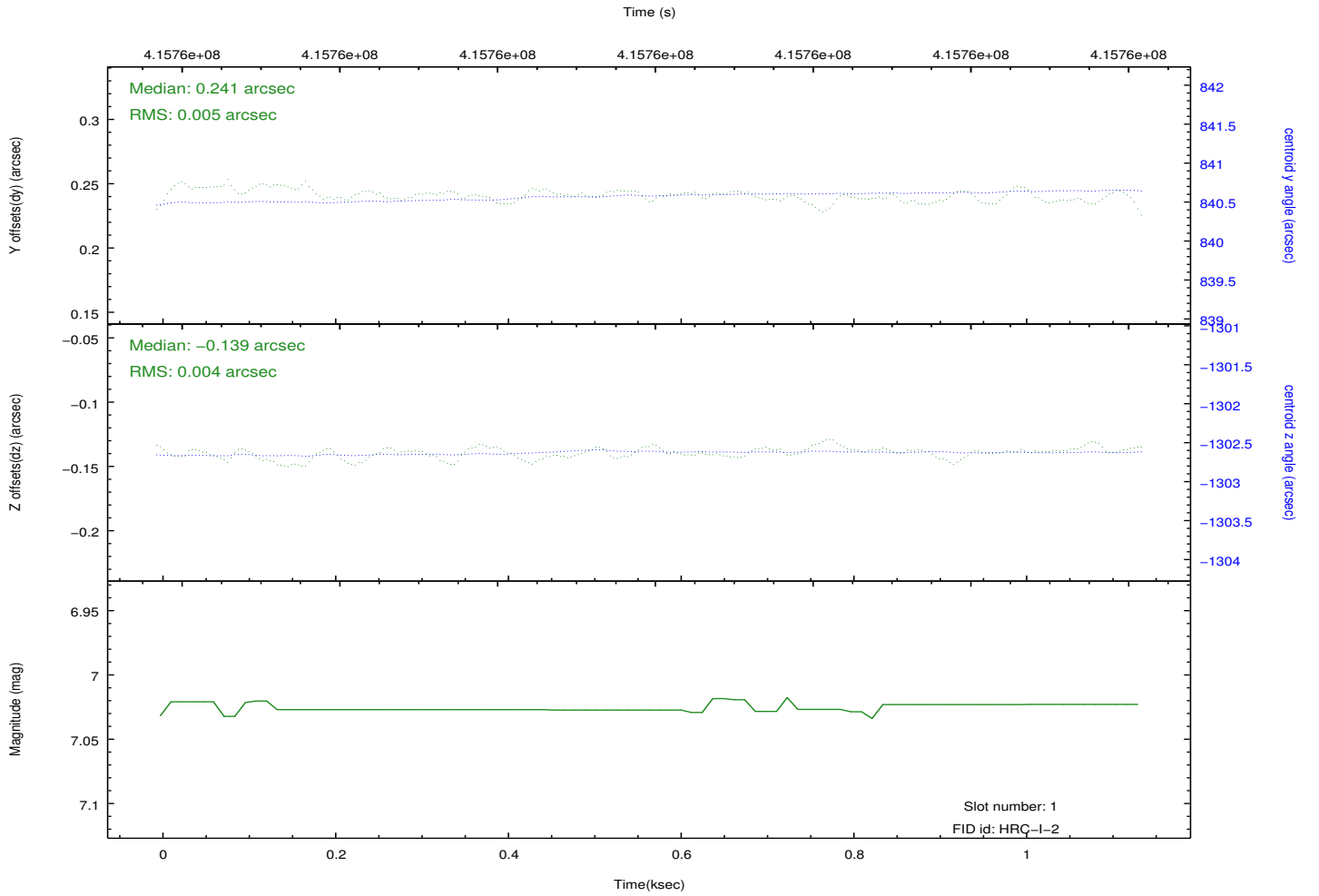
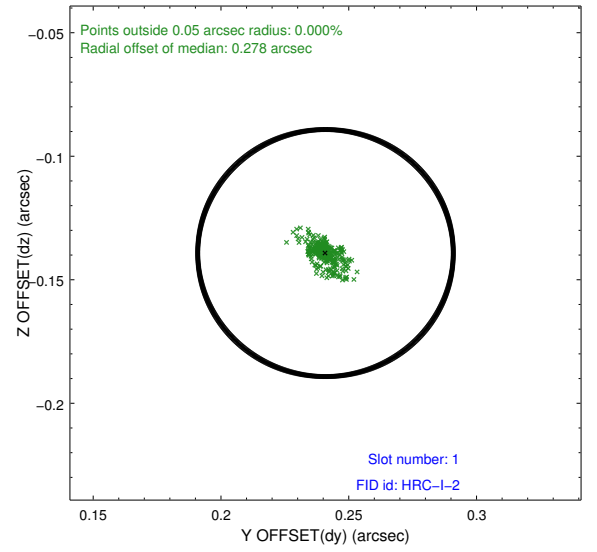
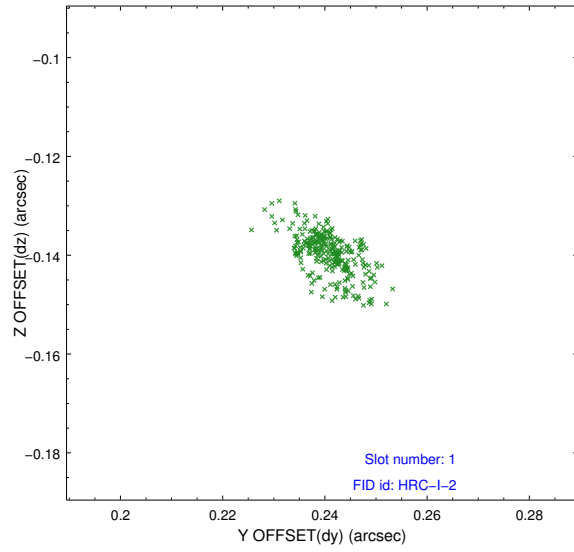


## 2.5 FID Slots

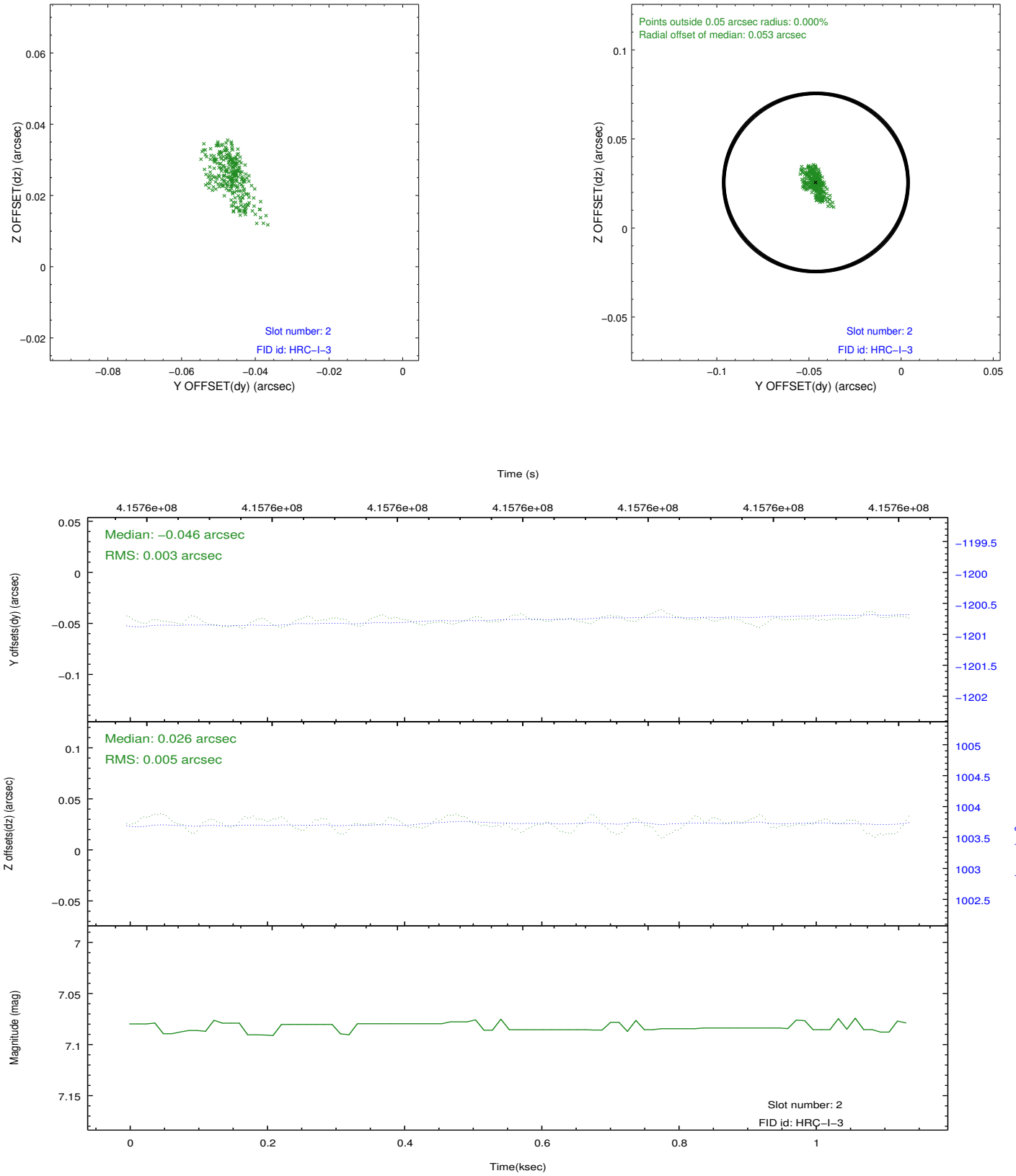
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1410813089609

### A.2 Comments