

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2616 - L2 Version 4  
Chandra X-Ray Center

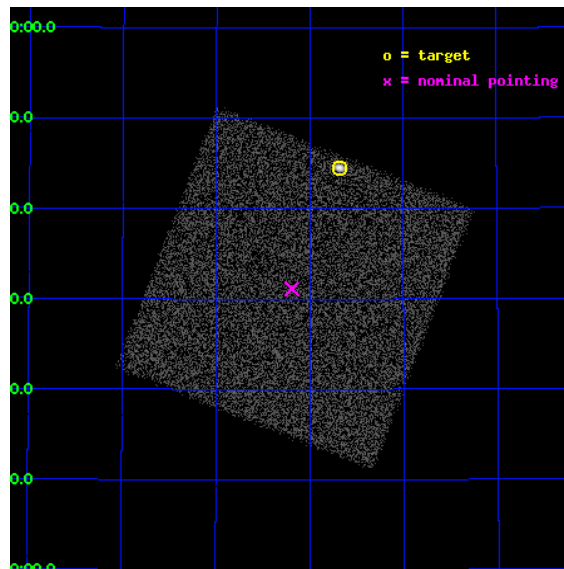
L2 Processing Date : Oct 1 2012

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# 1 Front

seq_num	290172	Sequence number
obs_id	2616	Observation id
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal tit
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.29751786602	Nominal RA [deg]
dec_nom	45.518943195374	Nominal Dec [deg]
roll_nom	336.40236149827	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1202.5812984705	[s]
livetime	1195.9718020196	Ontime multiplied by DTCOR
l2events	36155	Number of level 2 events

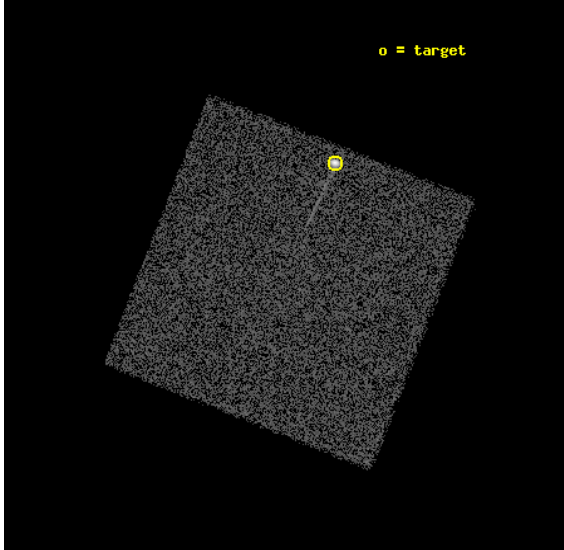


## 2 OBI

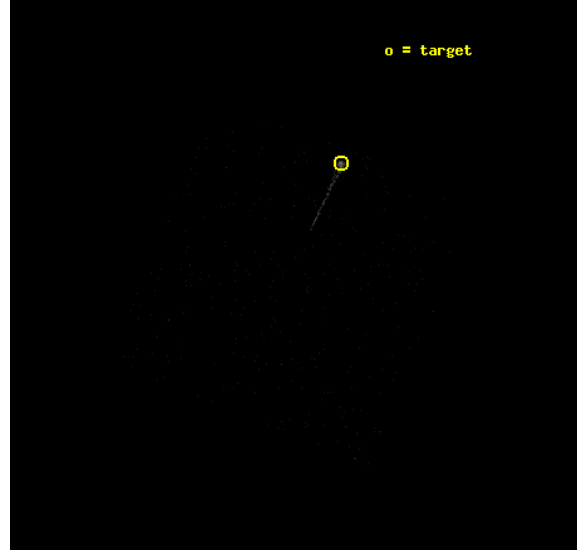
### 2.1 OBI

#### 2.1.1 Images

Level 1 Image



Level 1 Bad Events



### 2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1202.5812984705	[s]
caldbver	4.5.2	&#160	l1events	66100	Number of level 1 events
date	2012-10-01T03:14:00	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

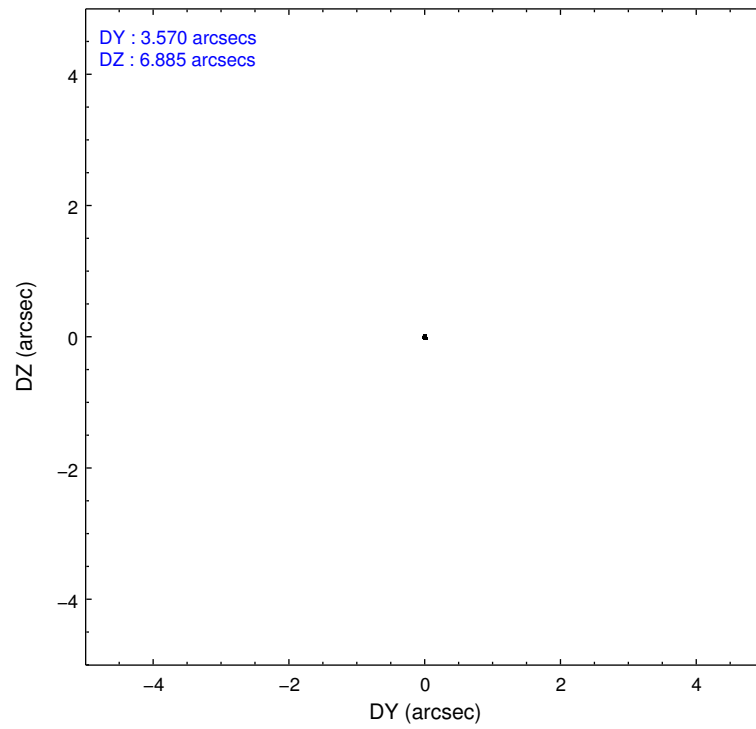
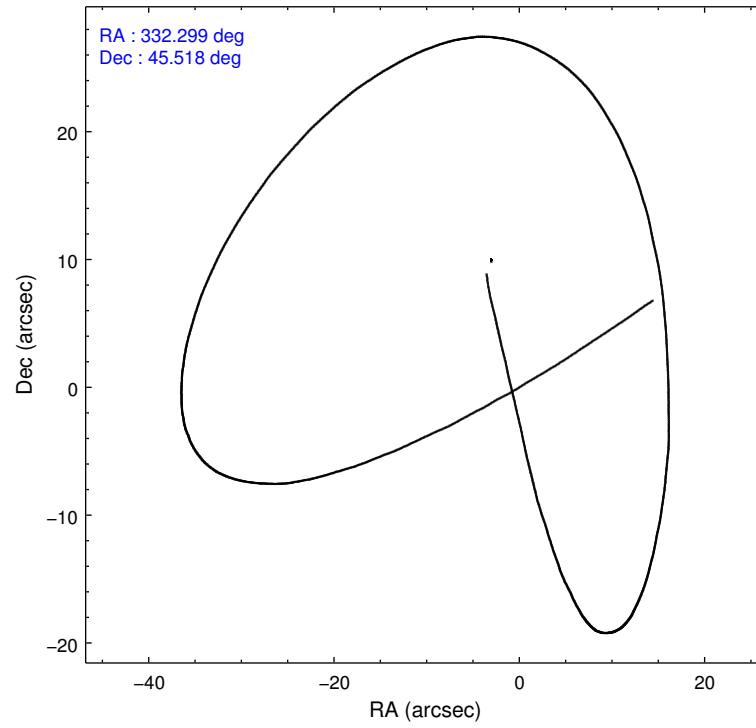
#### Level 1 Events

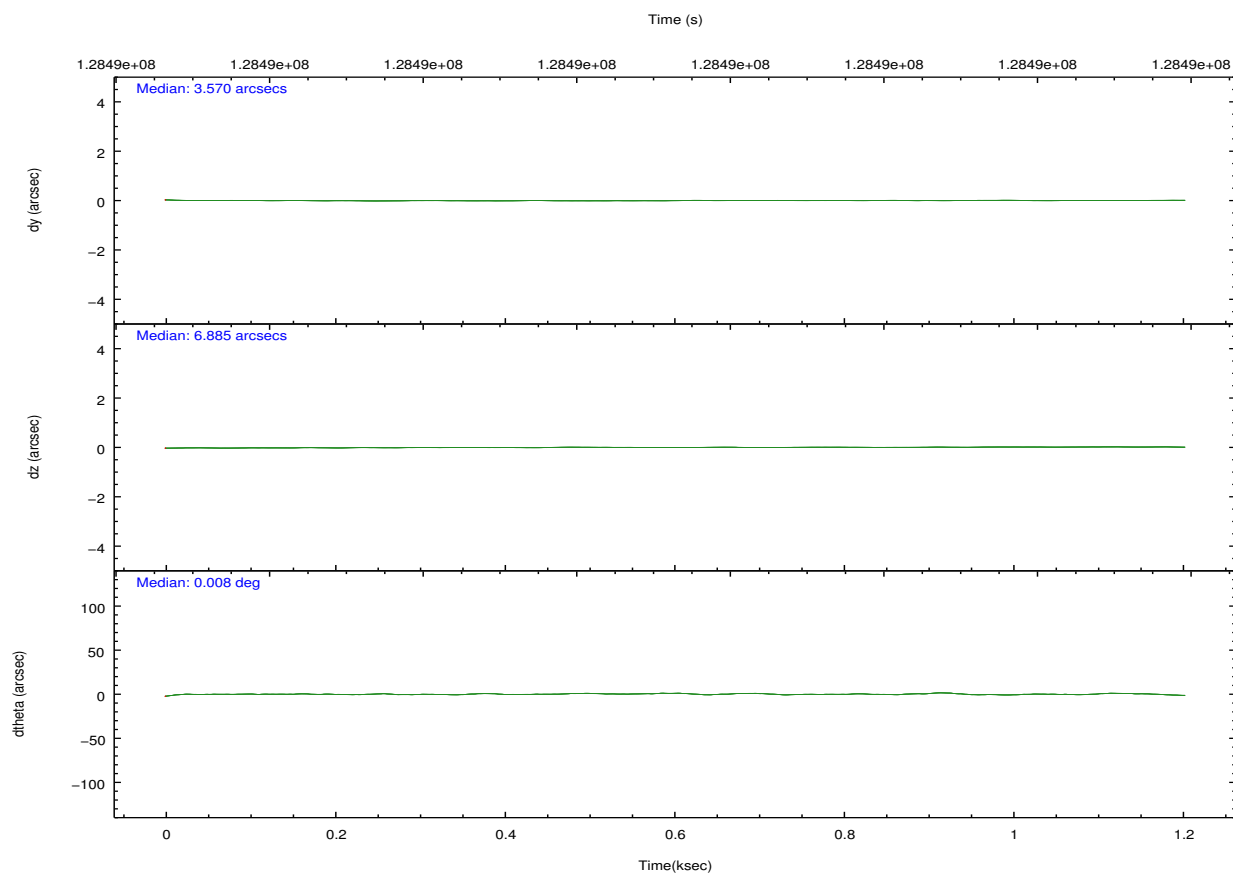
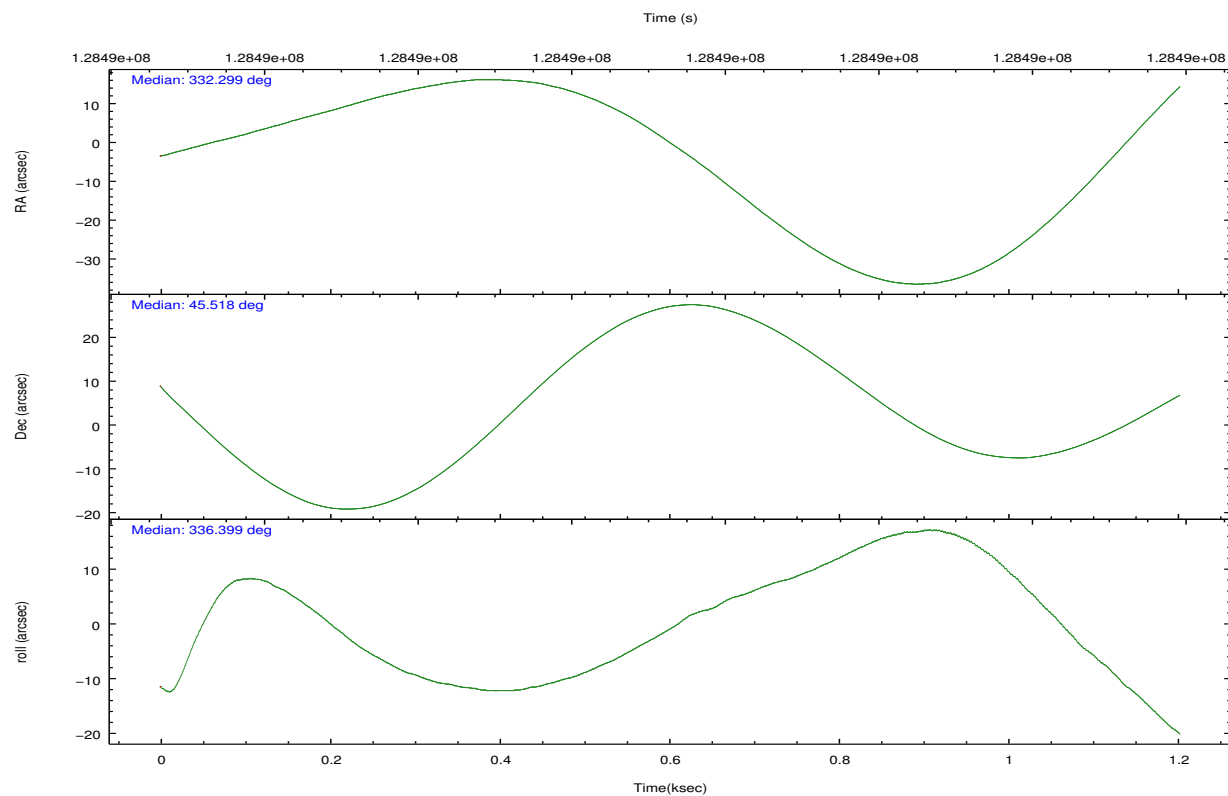
	<b>segment 0</b>
level 1 events	66100
rejected events	13474
rejected %	20%

## 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	332.259572	332.2975178660219			
[deg] Pointing Dec	45.516409	45.51894319537431			
[deg] Pointing Roll	336.525170	336.4023614982724			
[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)	128491929.184000	128491553.31531			
Observation start date	2002-01-27T04:11:05	2002-01-27T04:05:53			
[s] Observation end time (MET)	128492929.184000	128493063.65287			
Observation end date	2002-01-27T04:27:45	2002-01-27T04:31:03			

## 2.3 Aspect





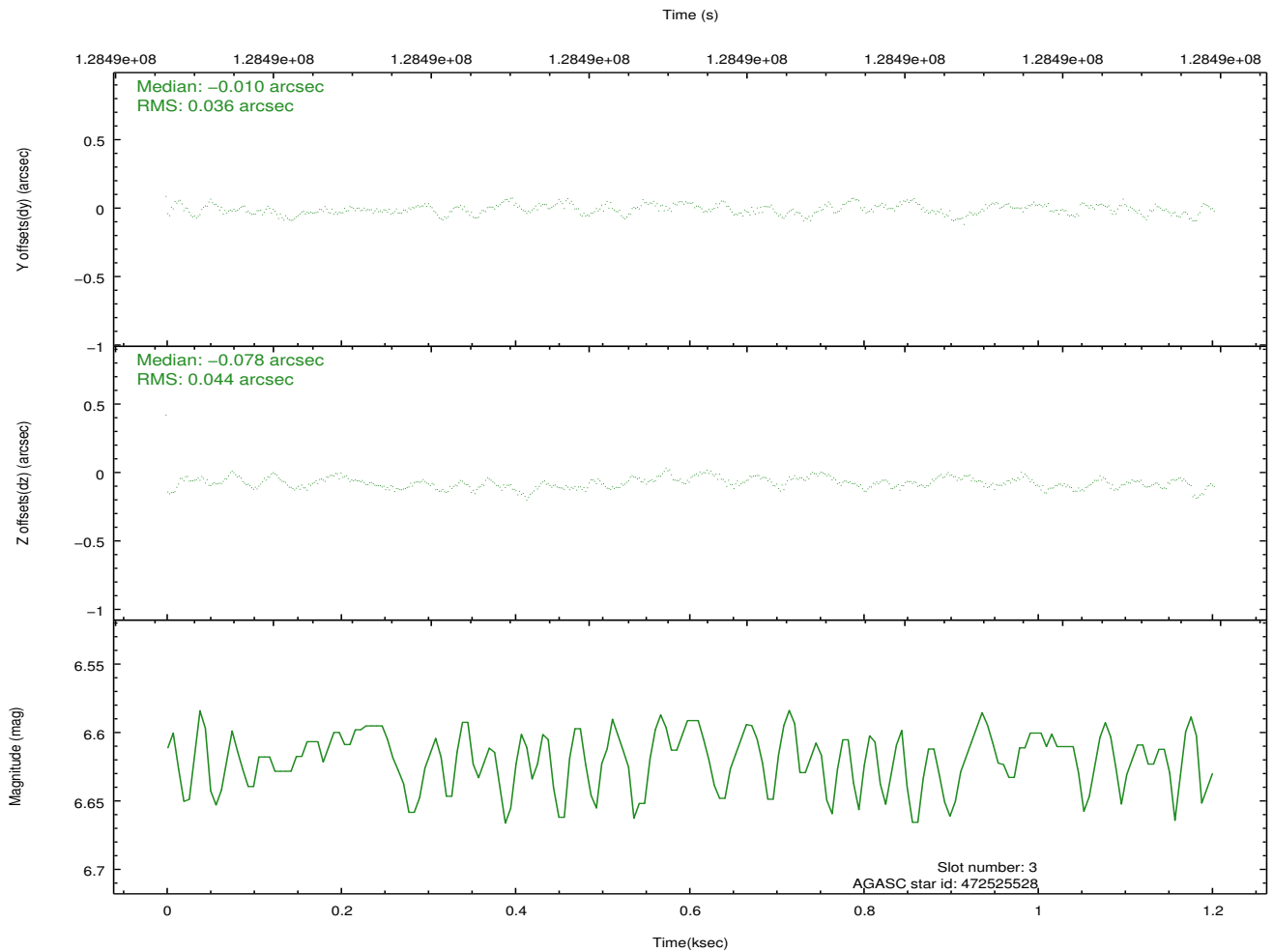
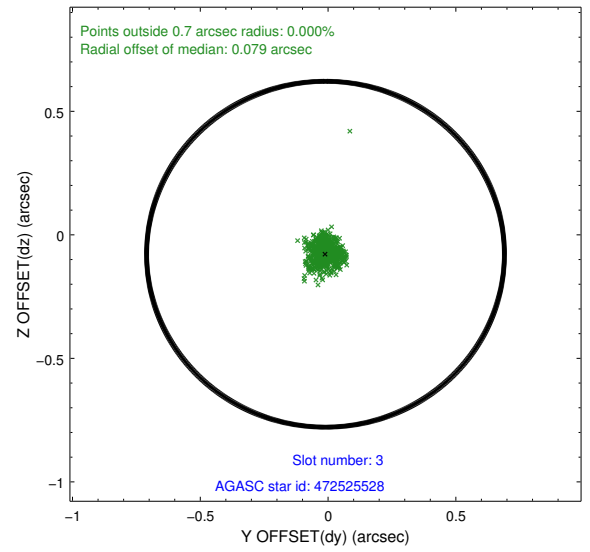
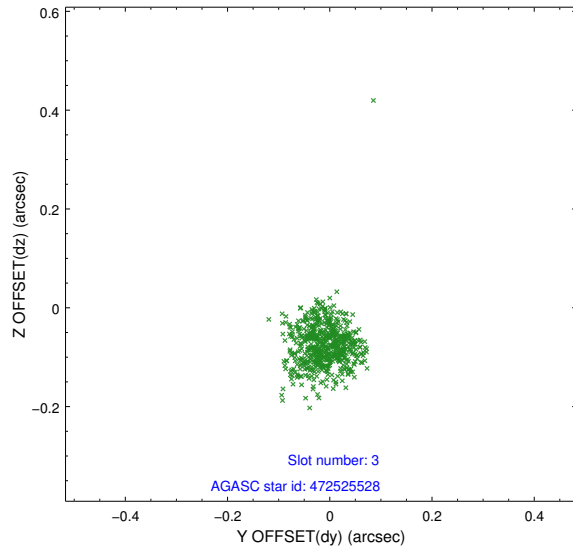
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	294	0.026	0.031	0.006	0.010	0.000000	0.000000	-759.01	-1294.76
1	FID	HRC-I-2	7.00	294	0.076	-0.070	0.005	0.009	0.000000	0.000000	851.09	-1300.81
2	FID	HRC-I-3	7.04	294	0.017	-0.051	0.005	0.010	0.000000	0.000000	-1184.65	1005.30
3	GUIDE	472525528	6.62	588	-0.010	-0.078	0.057	0.087	331.551102	45.248694	-1266.53	-1588.75
4	GUIDE	472527720	6.99	588	-0.064	-0.060	0.068	0.099	331.460205	45.112509	-1290.06	-2132.85
5	GUIDE	472523760	8.23	588	-0.075	-0.080	0.063	0.110	331.645363	45.403260	-1266.67	-986.97
6	GUIDE	420754040	9.07	588	-0.060	0.082	0.101	0.158	331.917939	44.882543	106.69	-2436.47
7	GUIDE	472646552	9.63	584	0.205	0.138	0.115	0.189	333.120915	45.571877	1906.80	1058.12

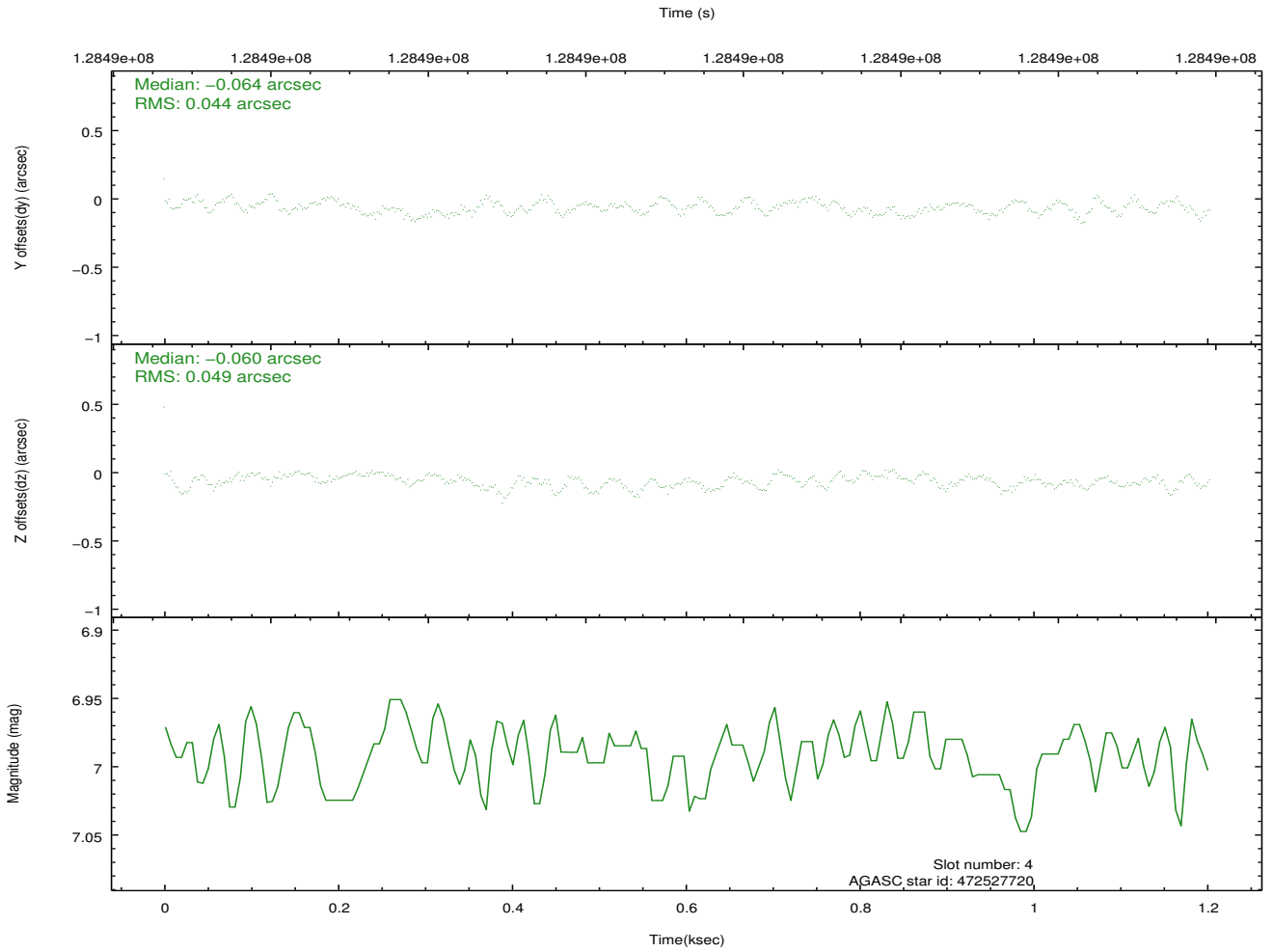
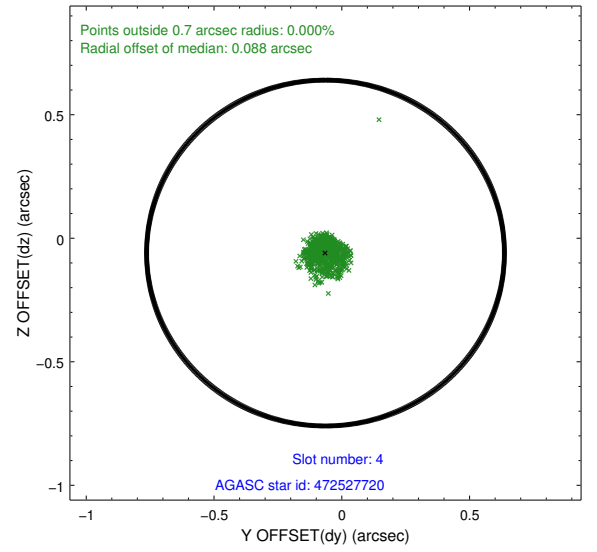
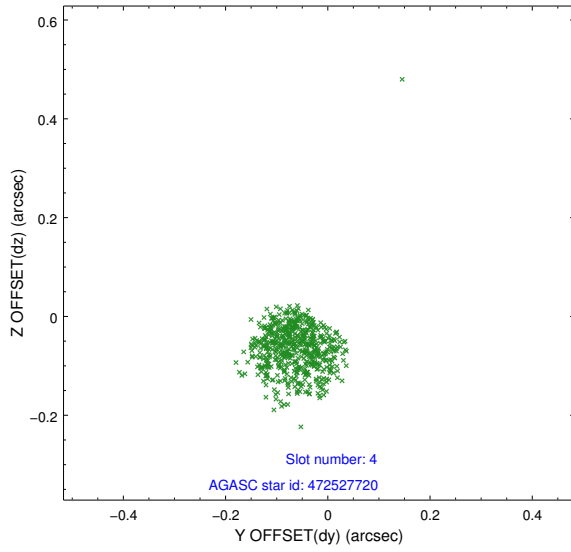


## 2.4 Star Slots

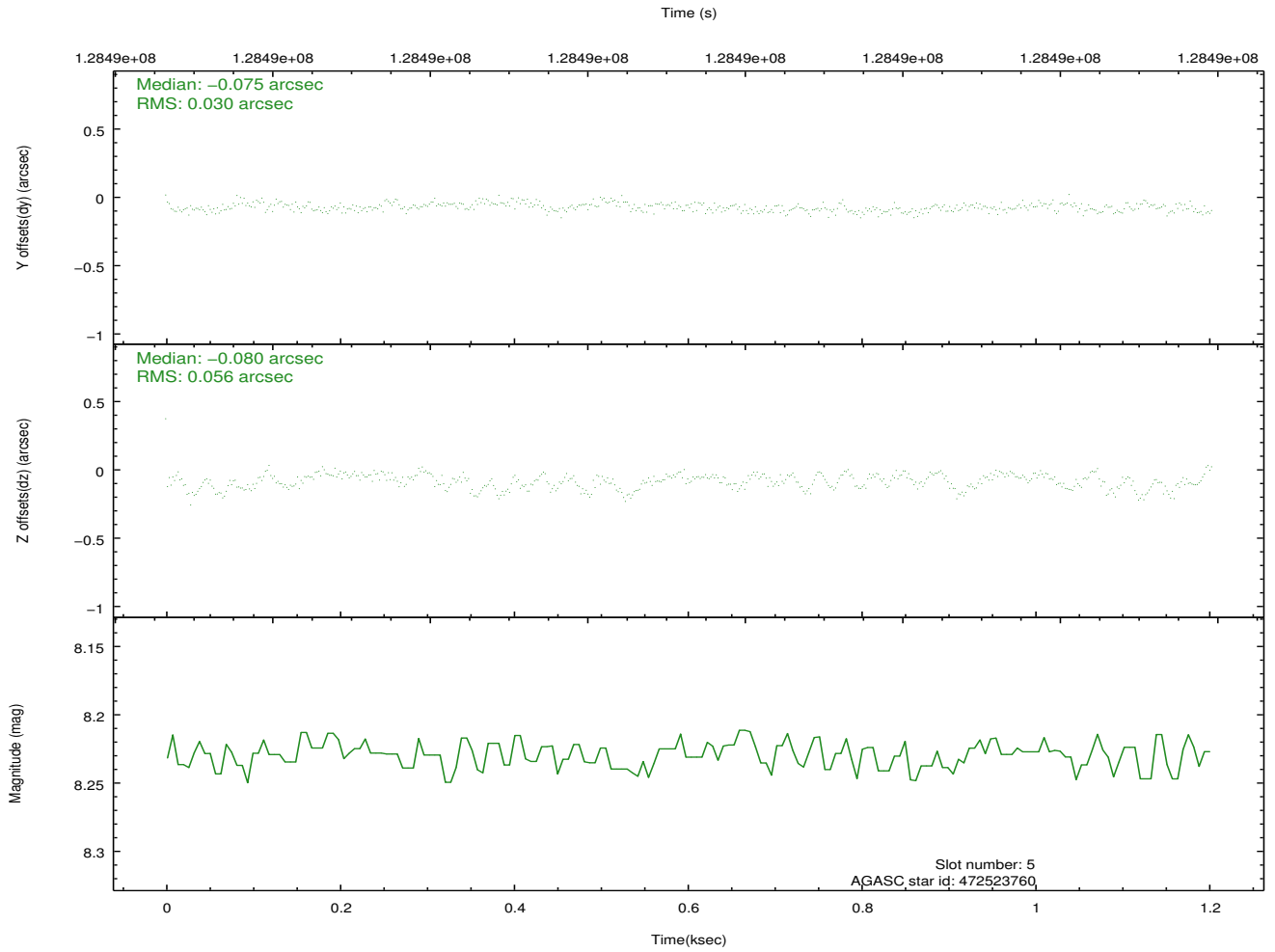
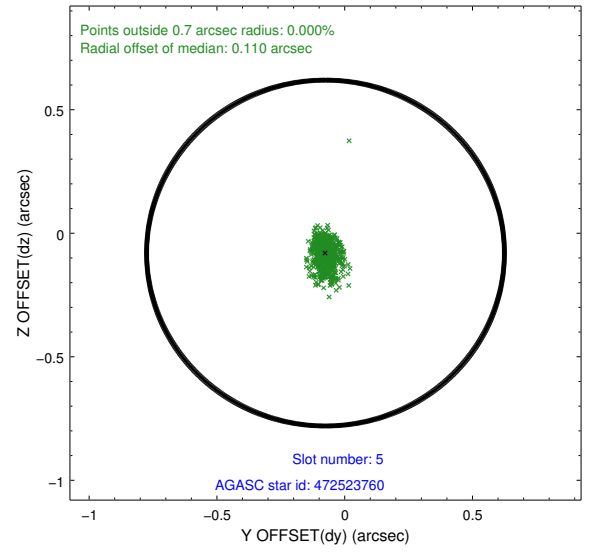
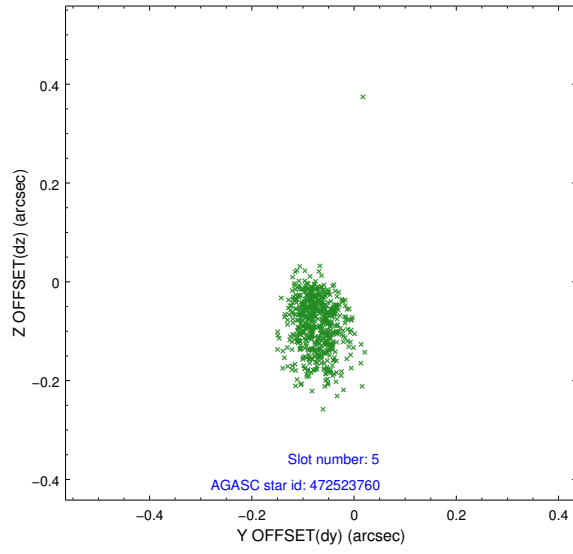
### 2.4.1 Slot 3



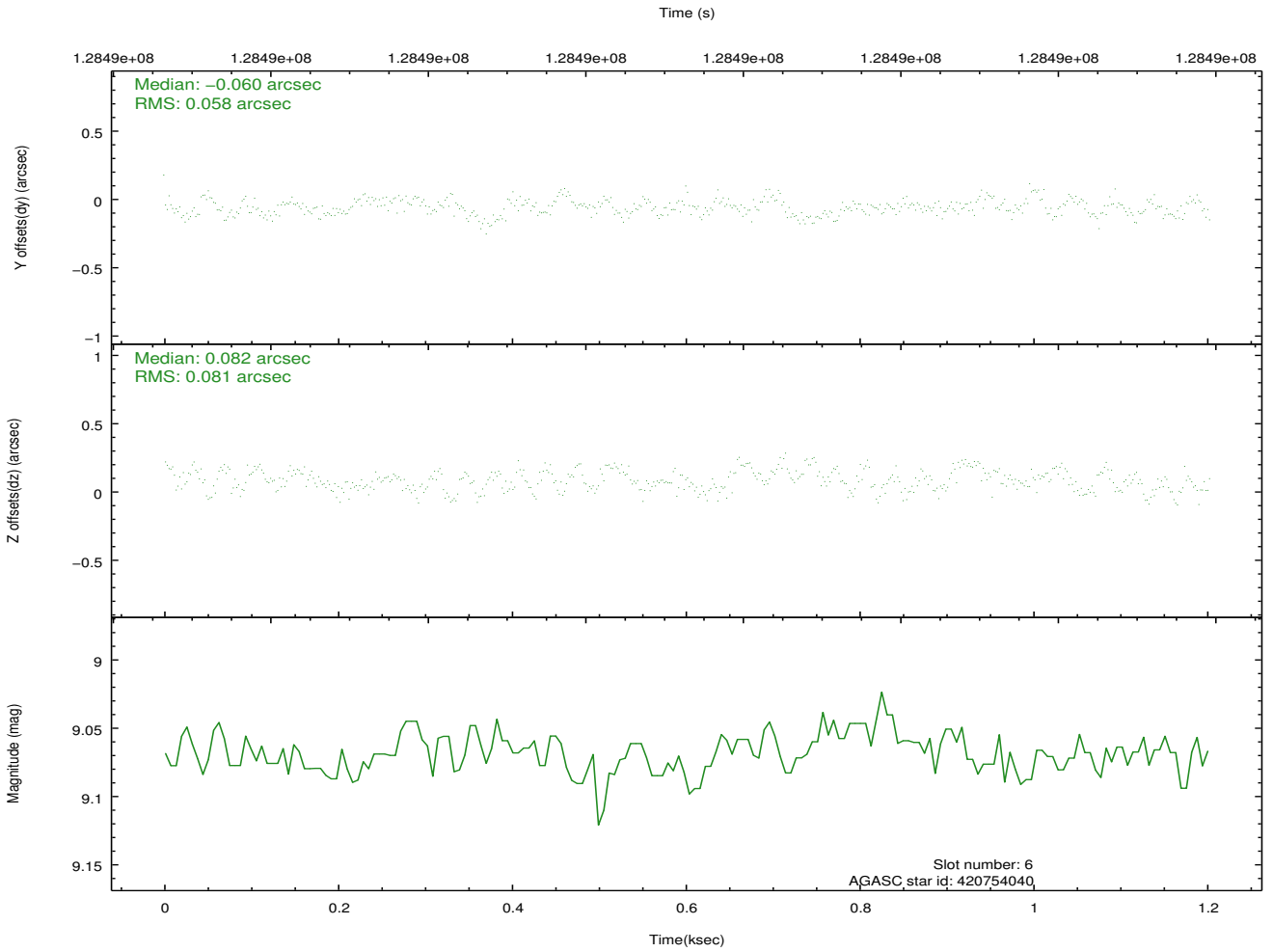
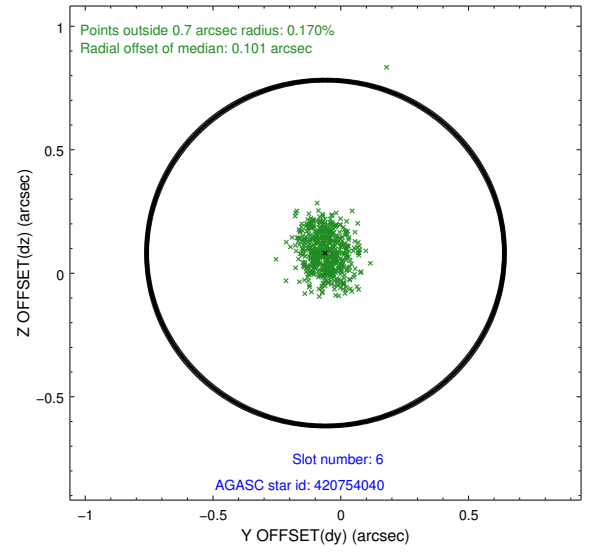
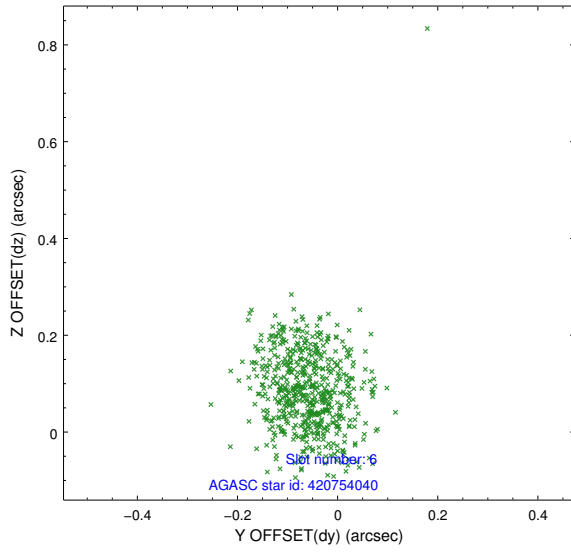
## 2.4.2 Slot 4



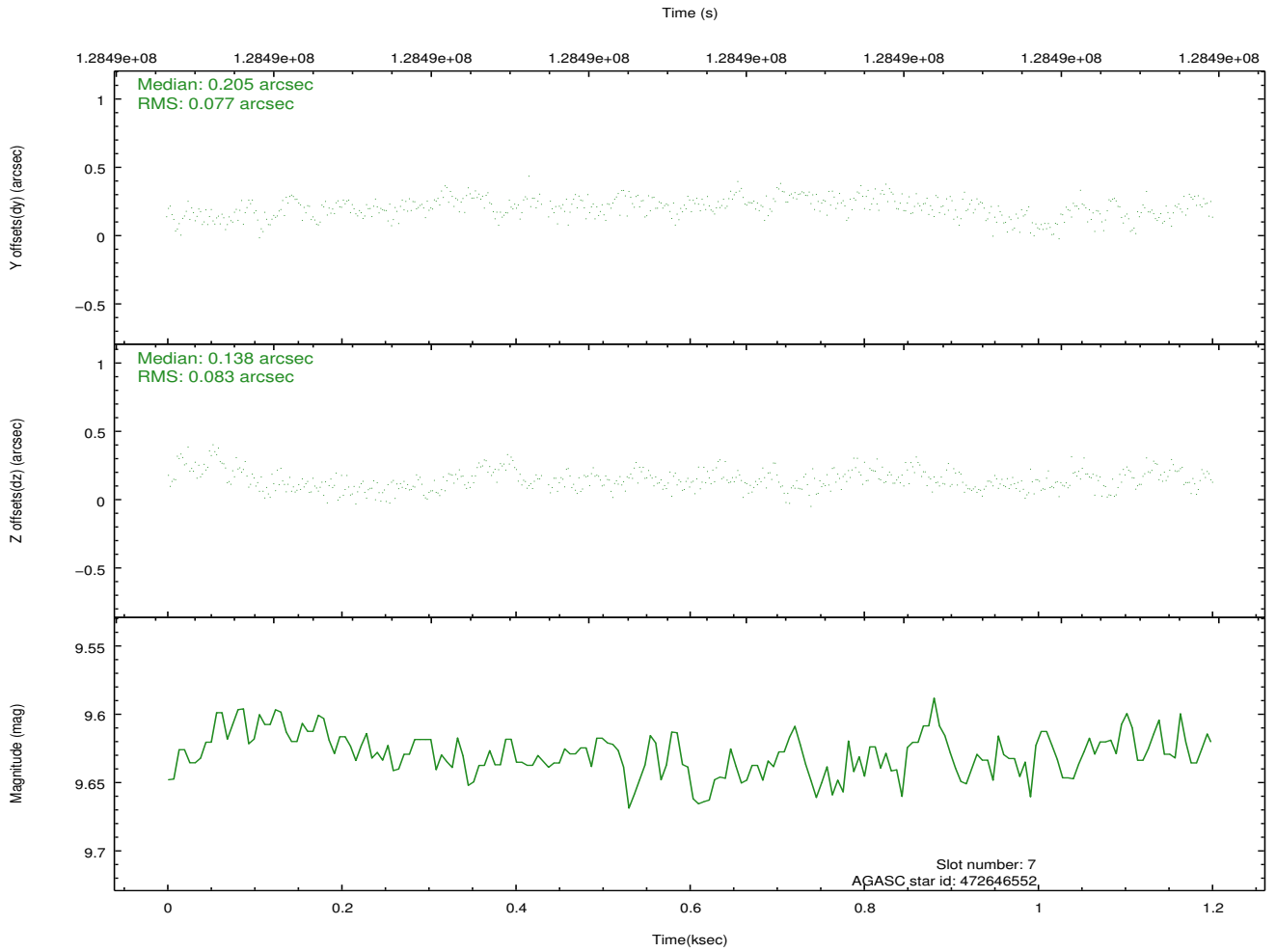
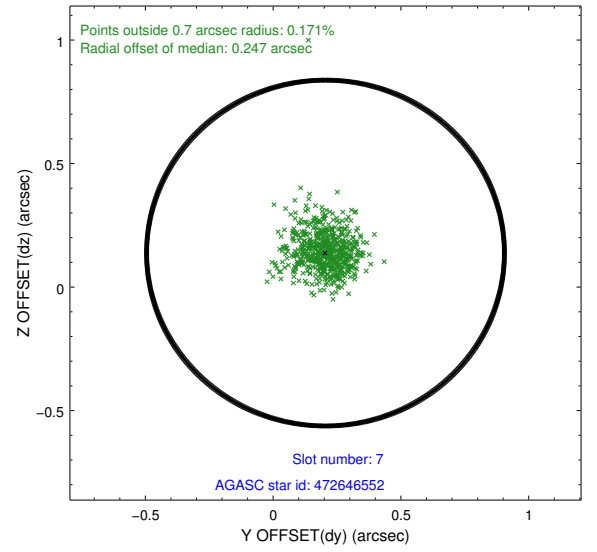
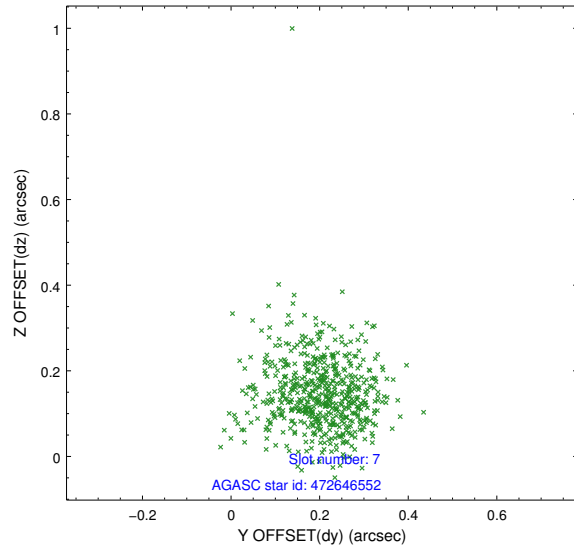
### 2.4.3 Slot 5



## 2.4.4 Slot 6

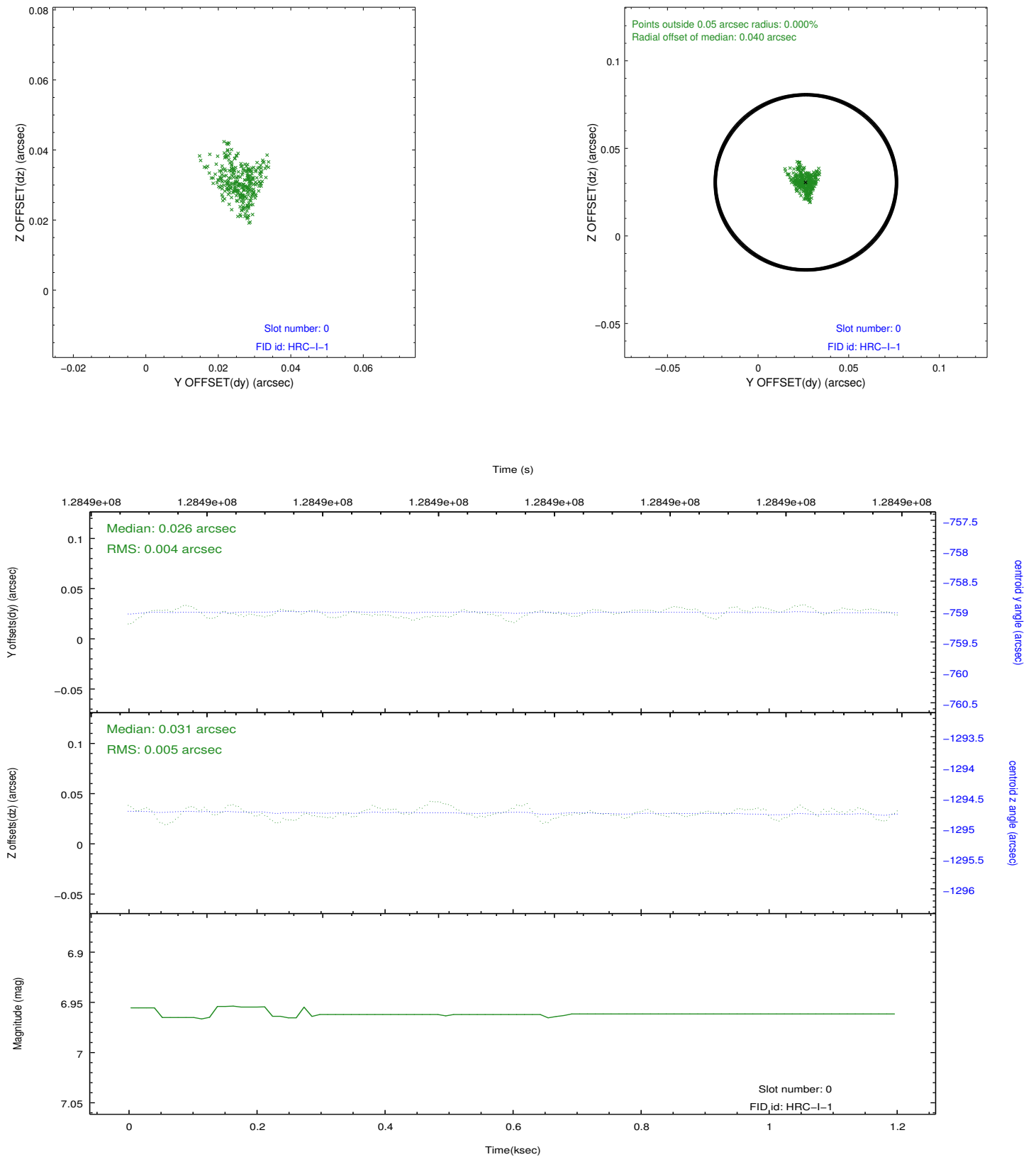


### 2.4.5 Slot 7

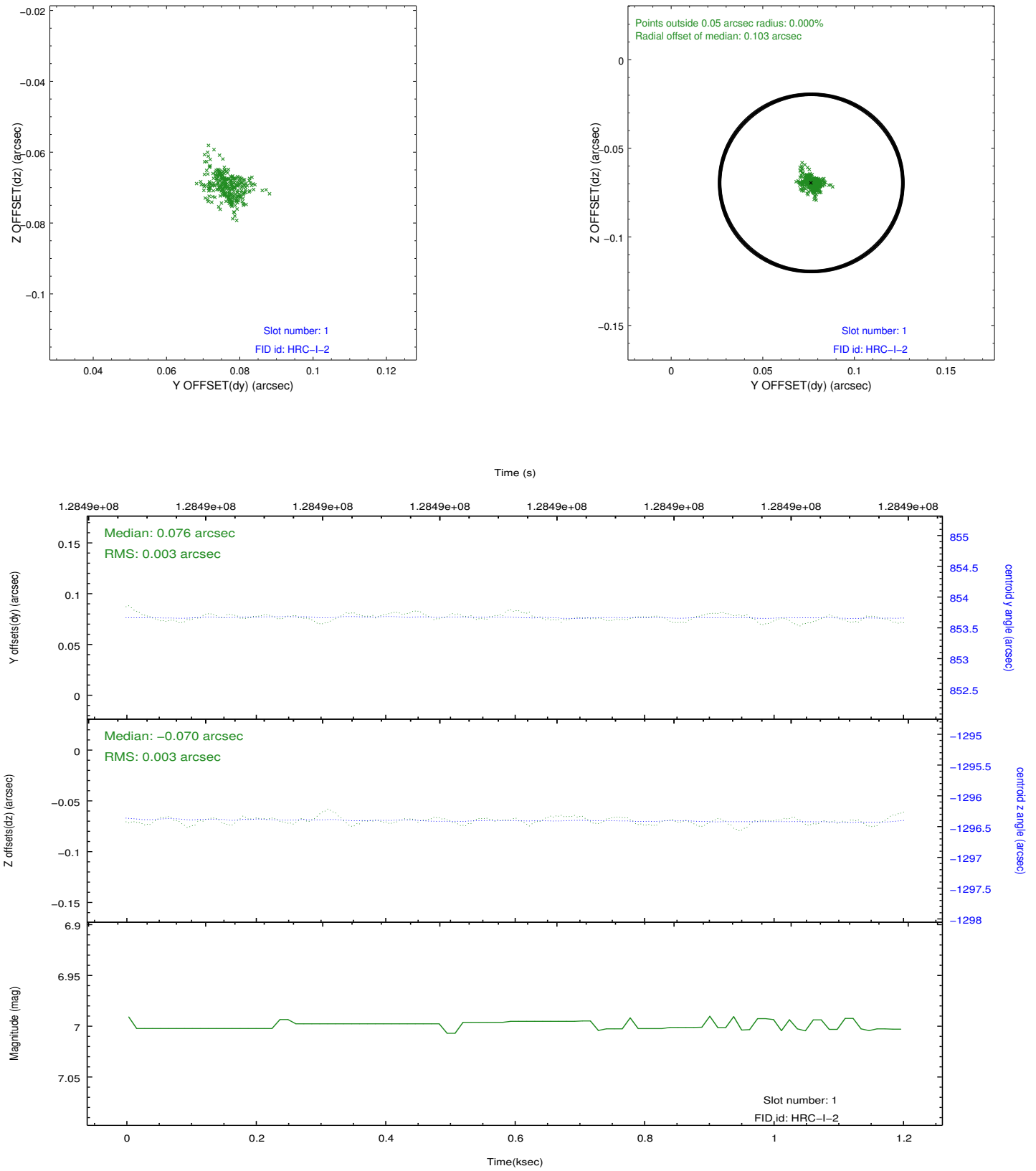


## 2.5 FID Slots

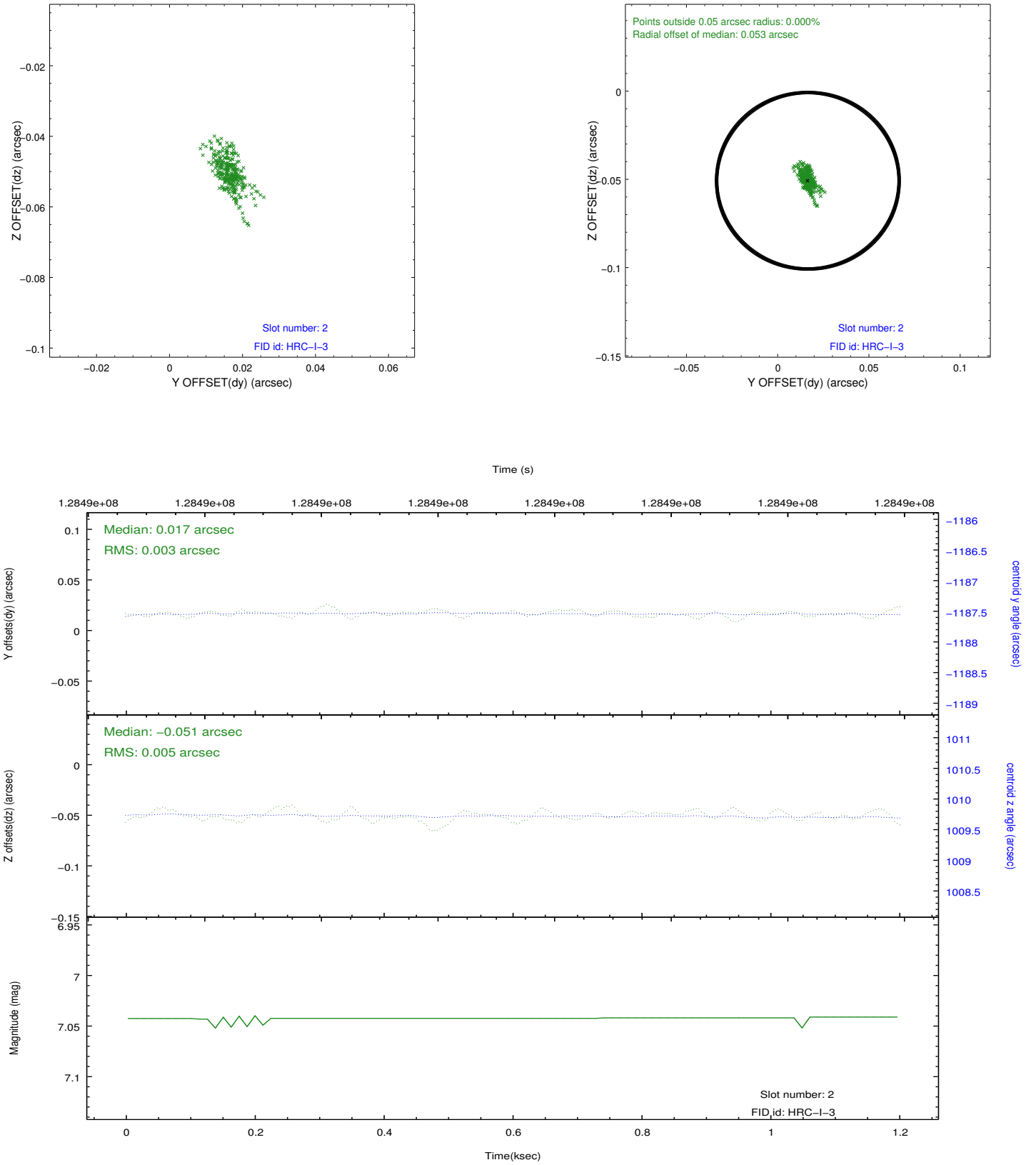
### 2.5.1 Slot 0



## 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)	2012.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.2

### A.2 Comments