

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2352 - L2 Version 5  
Chandra X-Ray Center

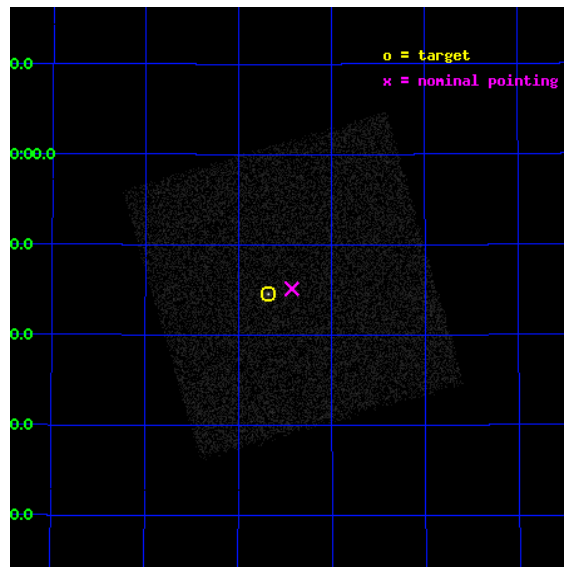
L2 Processing Date : Sep 4 2012

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# 1 Front

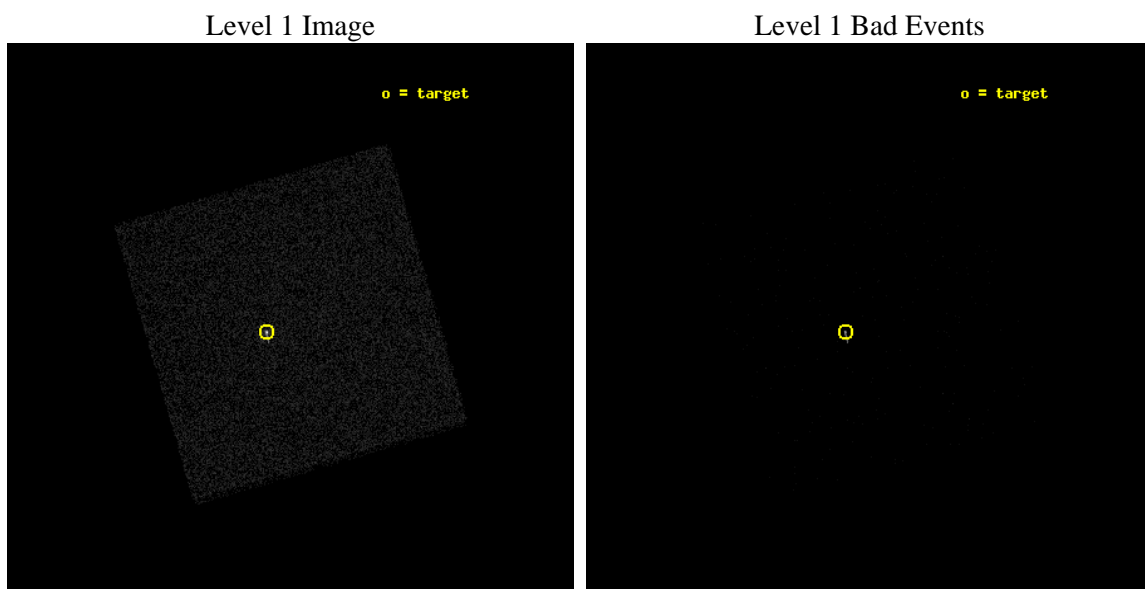
seq_num	290099	Sequence number
obs_id	2352	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-I,AO2A	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.10681393475	Nominal RA [deg]
dec_nom	45.752125858155	Nominal Dec [deg]
roll_nom	298.72706107119	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1202.581295982	[s]
livetime	1196.7044863044	Ontime multiplied by DTCOR
l2events	34230	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	1202.581295982	[s]
caldbver	4.5.1.1	&#160	l1events	59718	Number of level 1 events
date	2012-09-04T06:10:26	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

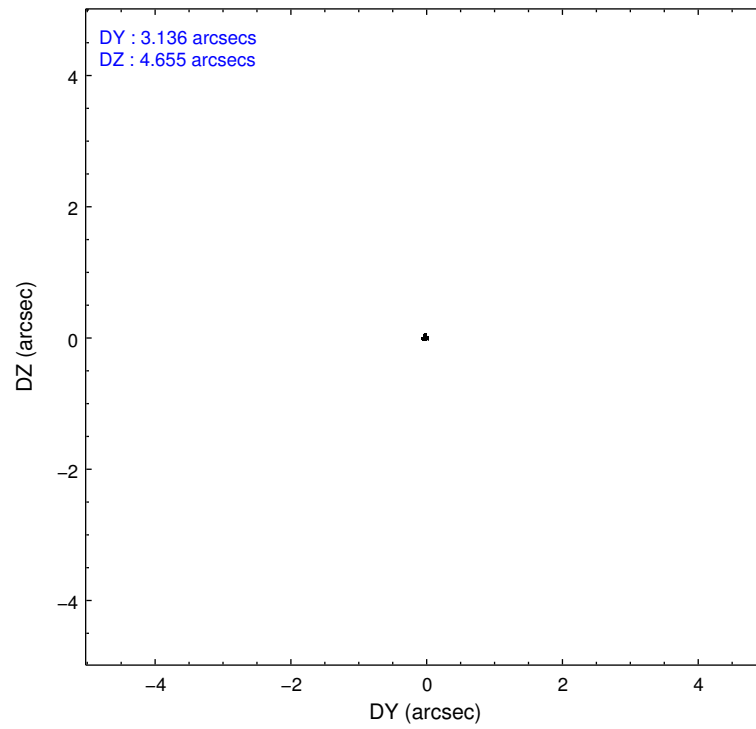
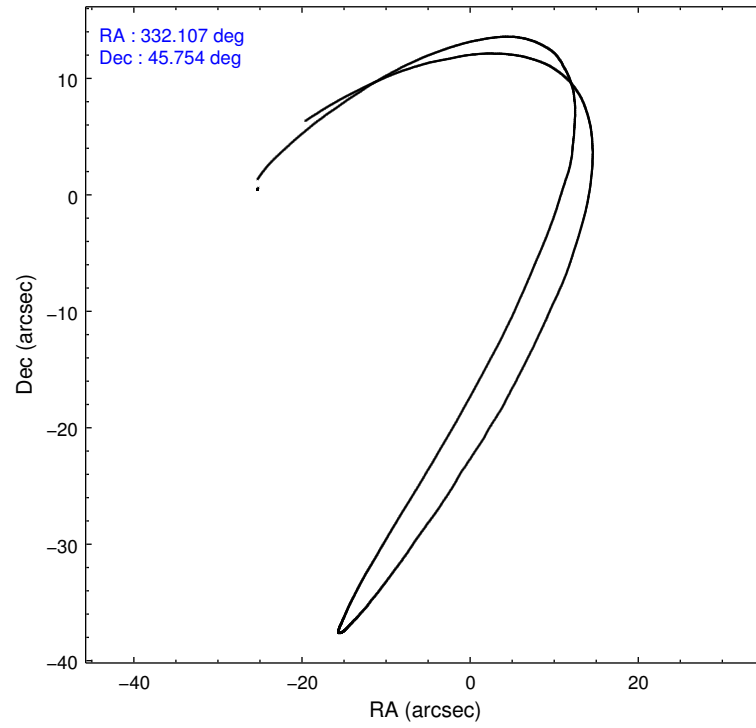
	<b>segment 0</b>
level 1 events	59718
rejected events	12055
rejected %	20%

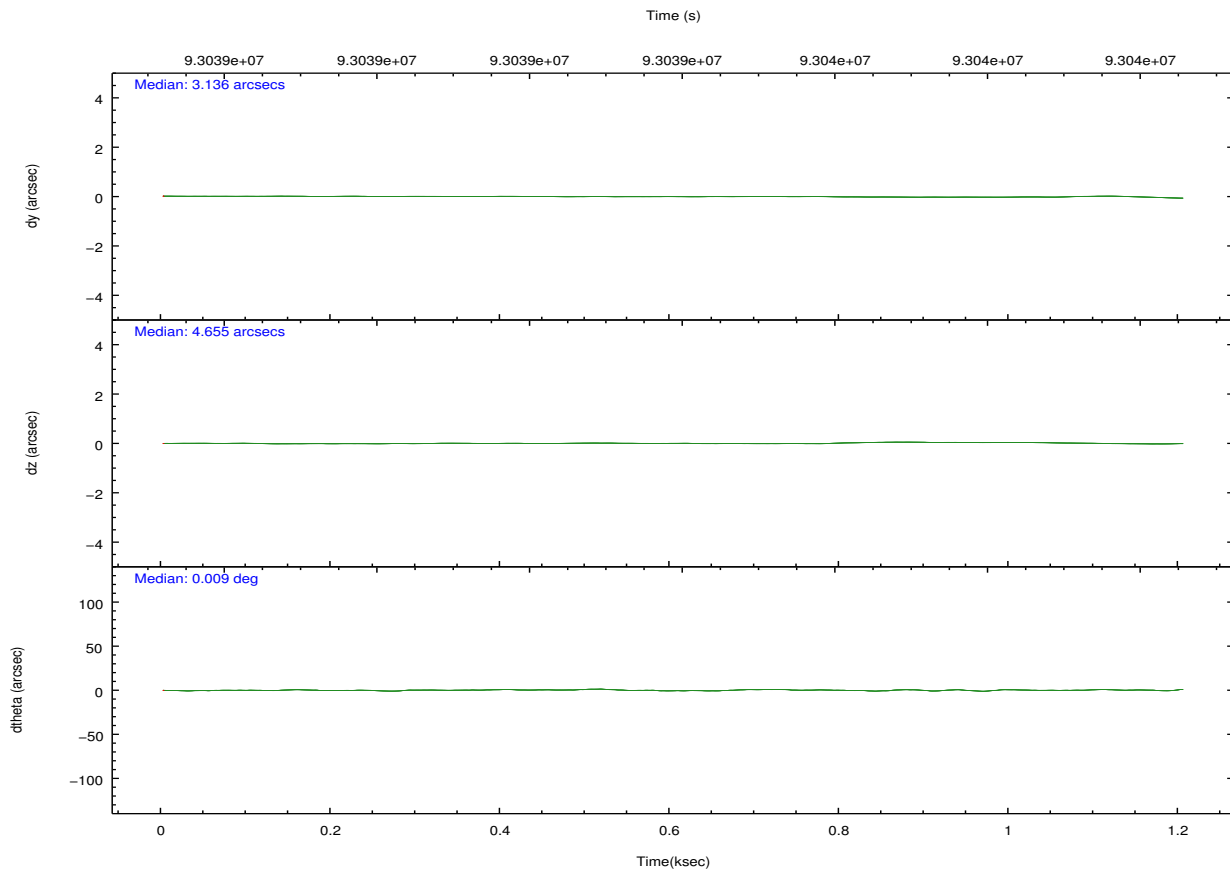
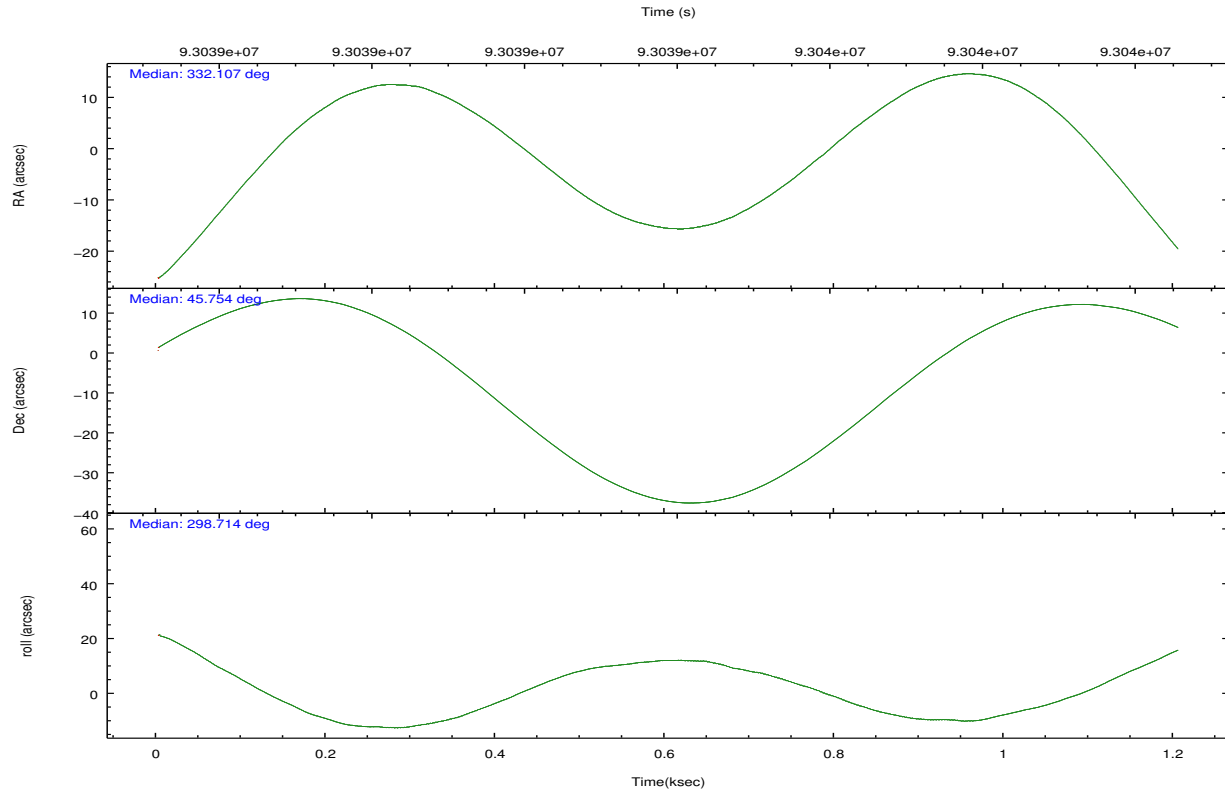
## 2.2 Compared Parameters

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	332.072084	332.1068139347487
[deg] Pointing Dec	45.764841	45.75212585815509
[deg] Pointing Roll	298.847435	298.7270610711878
[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)	93038991.184000	93038614.637915
Observation start date	2000-12-12T20:08:47	2000-12-12T20:03:34
[s] Observation end time (MET)	93039991.184000	93040124.462973
Observation end date	2000-12-12T20:25:27	2000-12-12T20:28:44

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

## 2.3 Aspect





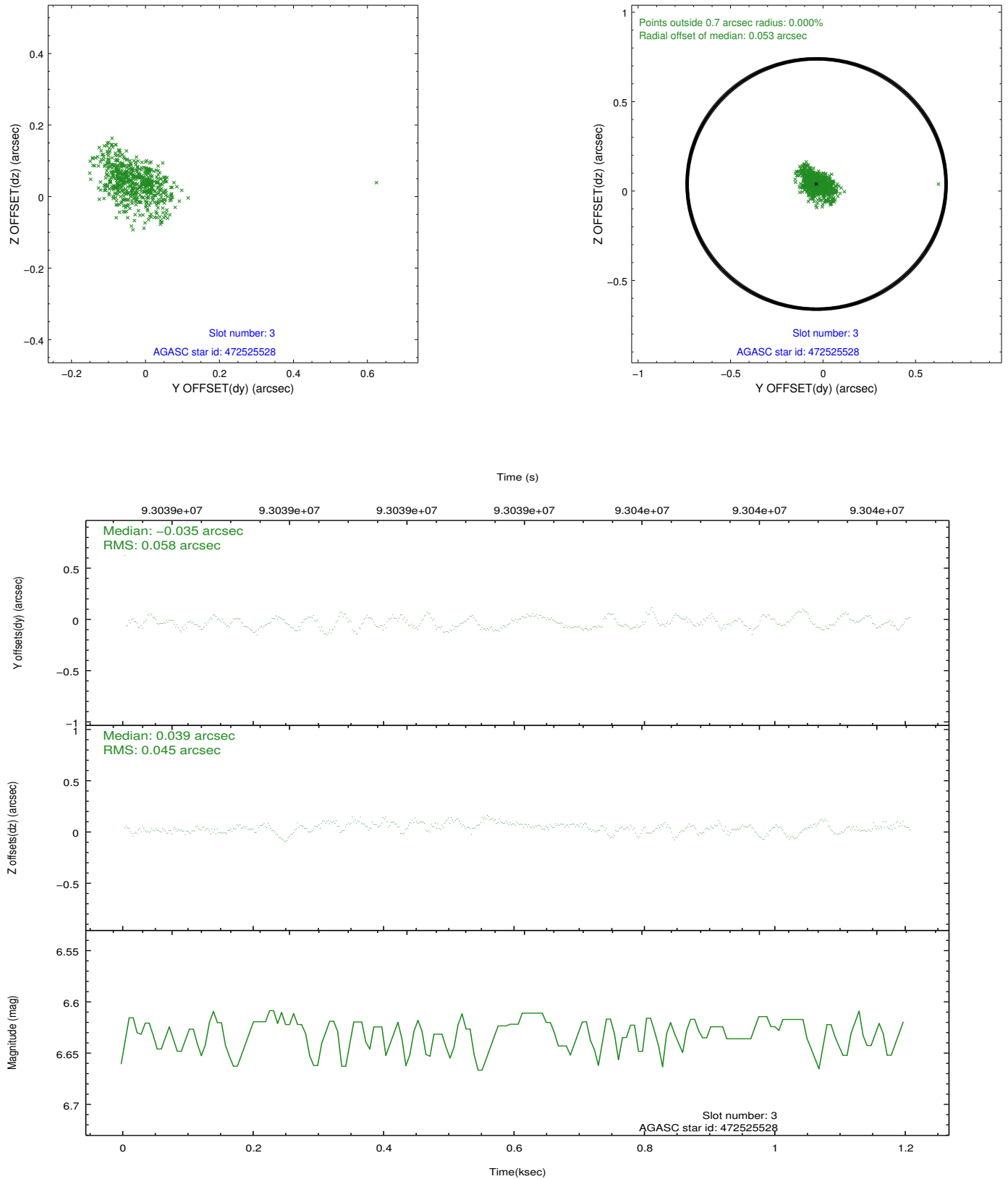
### Slot Statistics

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	294	0.048	0.066	0.006	0.010	0.000000	0.000000	-758.57	-1292.42
1	FID	HRC-I-3	7.05	294	0.028	-0.098	0.006	0.011	0.000000	0.000000	-1189.65	1007.59
2	FID	HRC-I-4	6.99	294	0.039	-0.057	0.005	0.009	0.000000	0.000000	1280.18	1013.04
3	GUIDE	472525528	6.63	588	-0.035	0.039	0.072	0.121	331.551102	45.248694	989.04	-2055.80
4	GUIDE	472523760	8.23	588	-0.064	-0.115	0.054	0.087	331.645363	45.403260	621.12	-1579.90
5	GUIDE	472665256	9.01	588	-0.112	-0.131	0.090	0.141	332.808125	46.195041	-476.69	2349.93
6	GUIDE	472659832	9.47	588	0.035	0.050	0.099	0.151	332.780399	46.098139	-204.09	2130.45
7	GUIDE	472646552	9.63	587	0.180	0.162	0.115	0.178	333.120915	45.571877	1869.84	1987.47

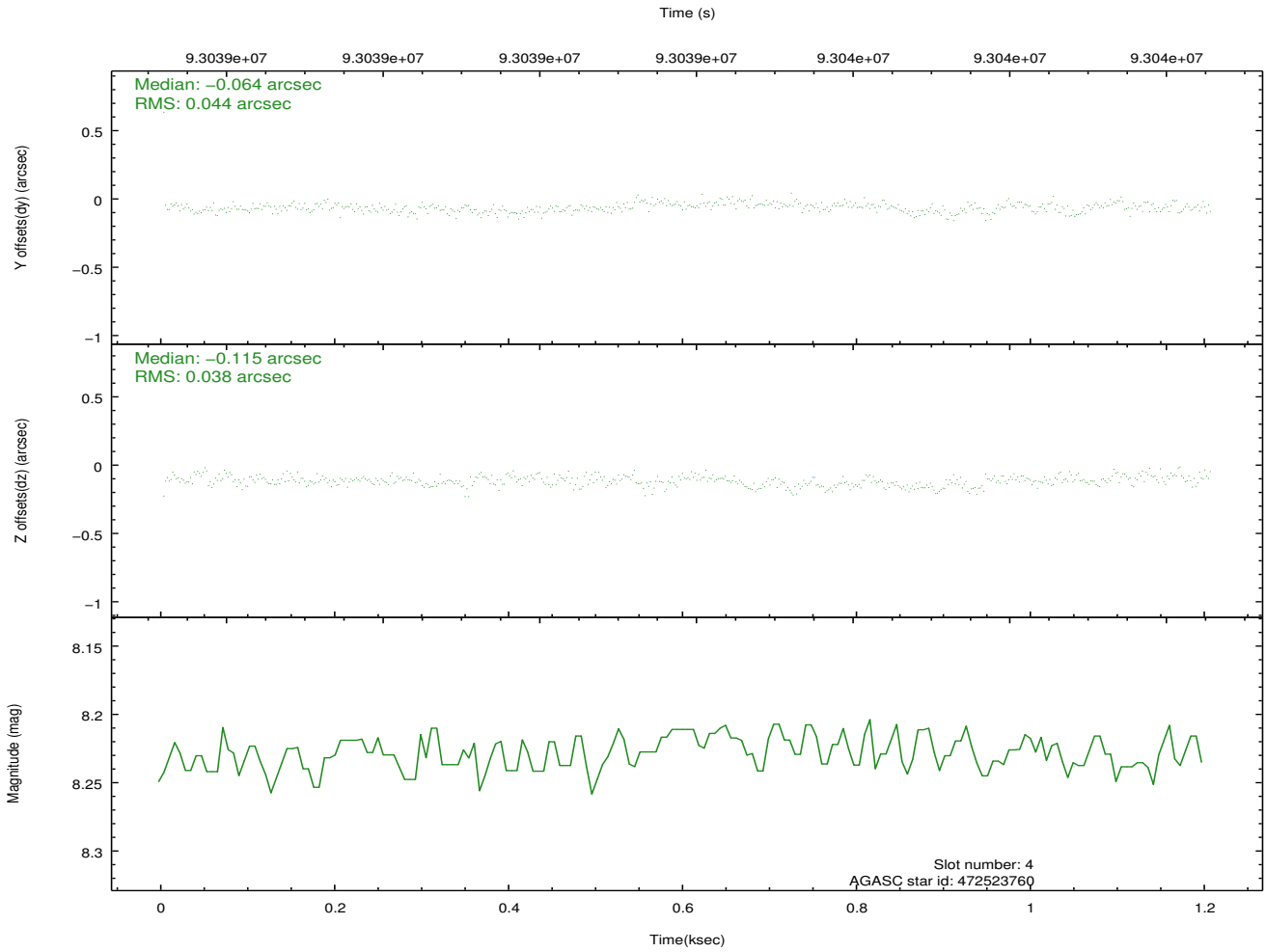
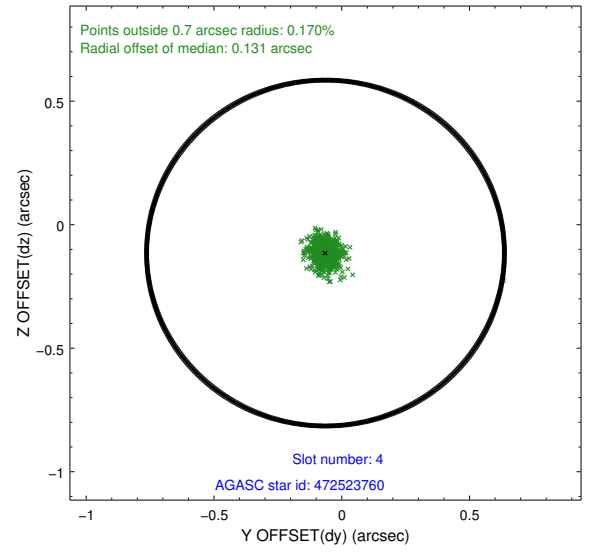
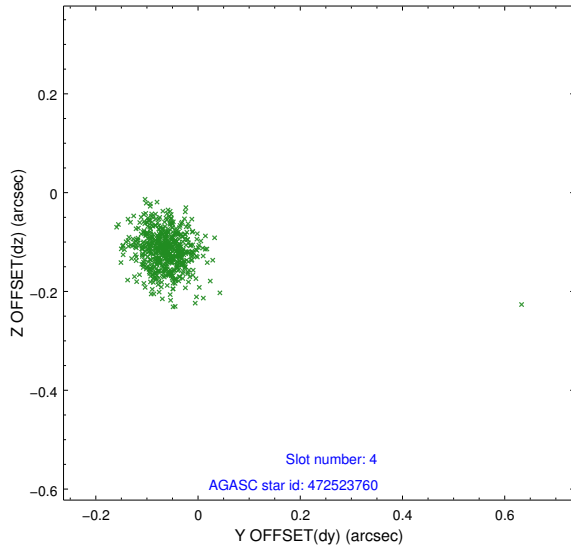


## 2.4 Star Slots

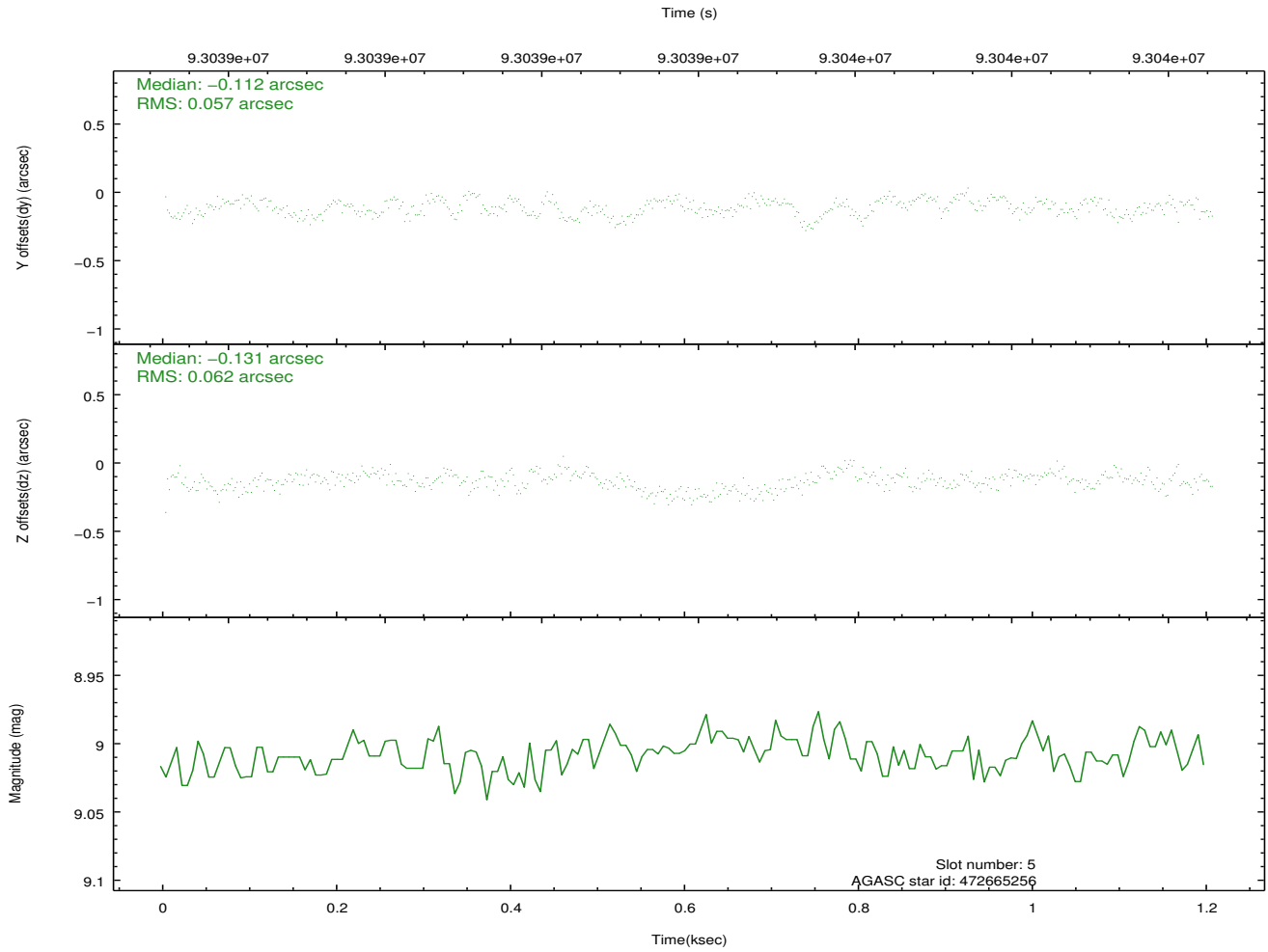
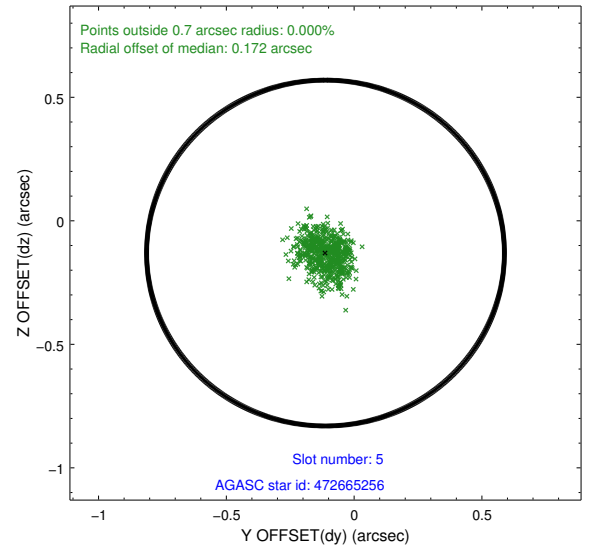
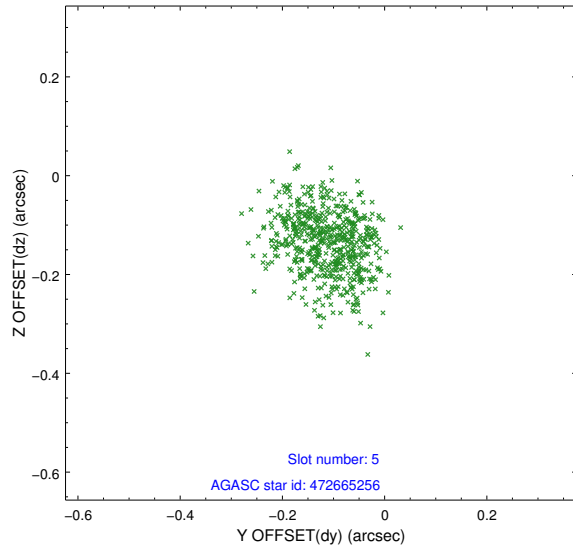
### 2.4.1 Slot 3



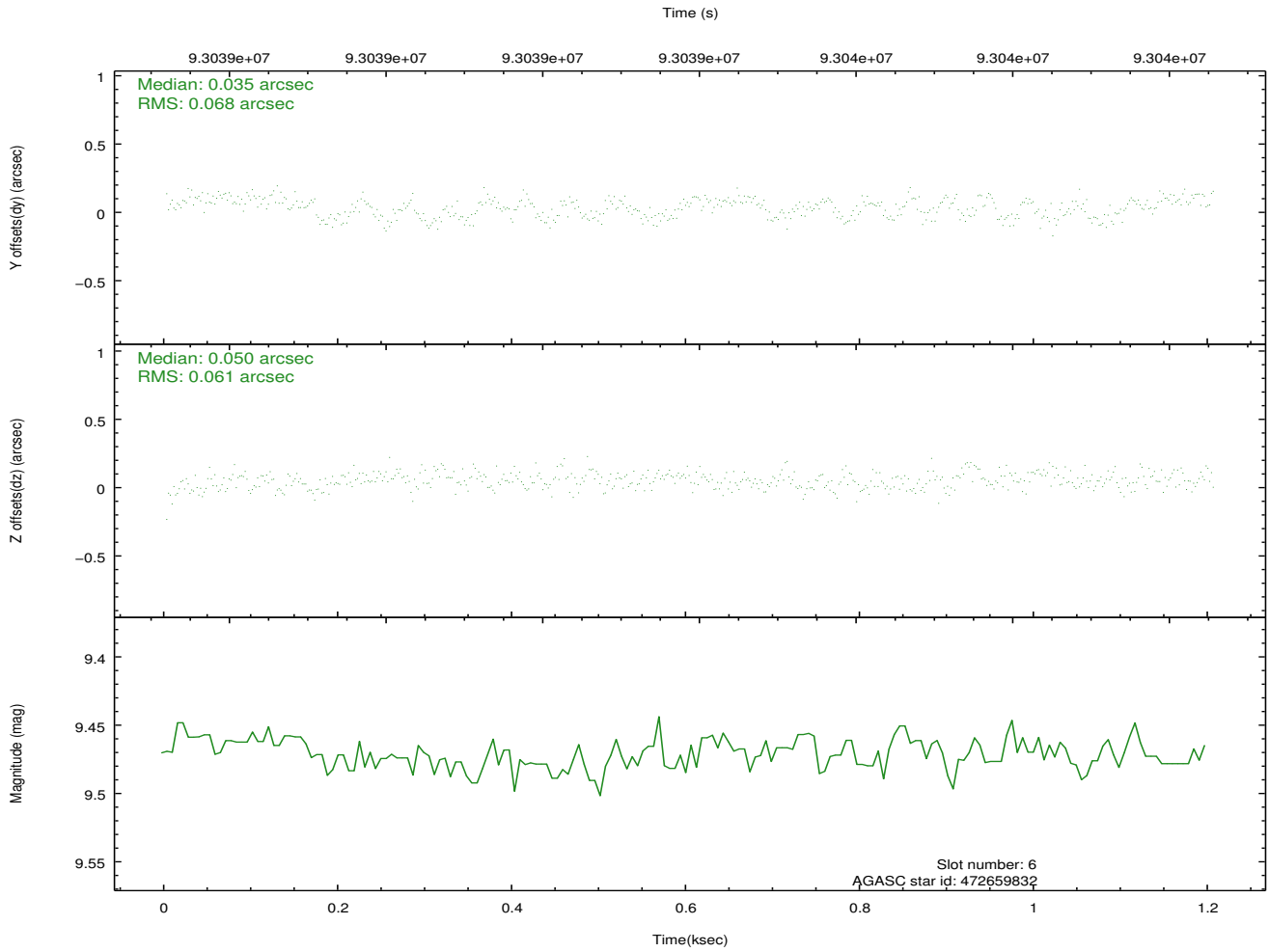
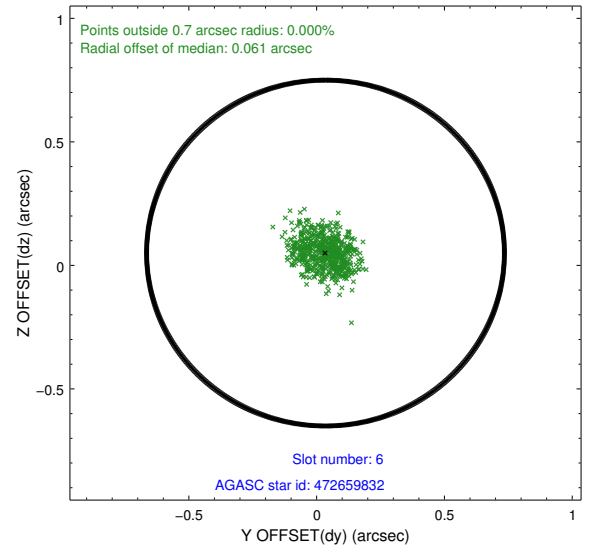
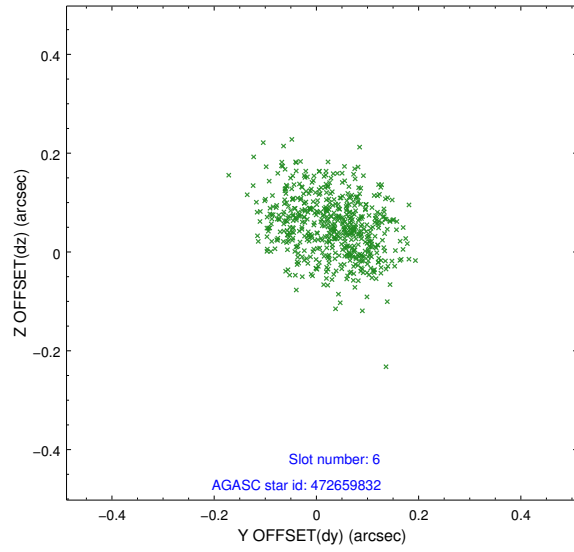
## 2.4.2 Slot 4



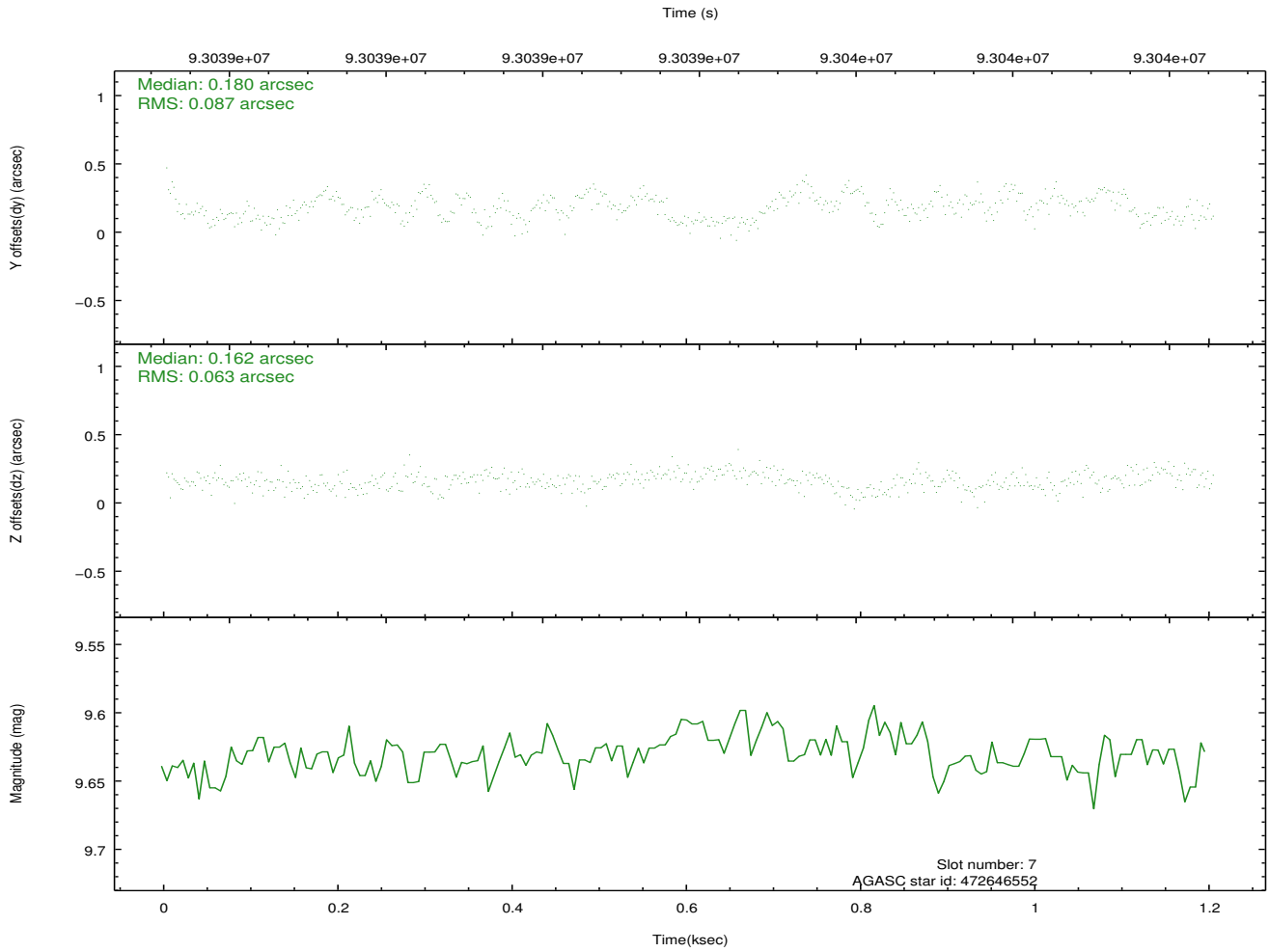
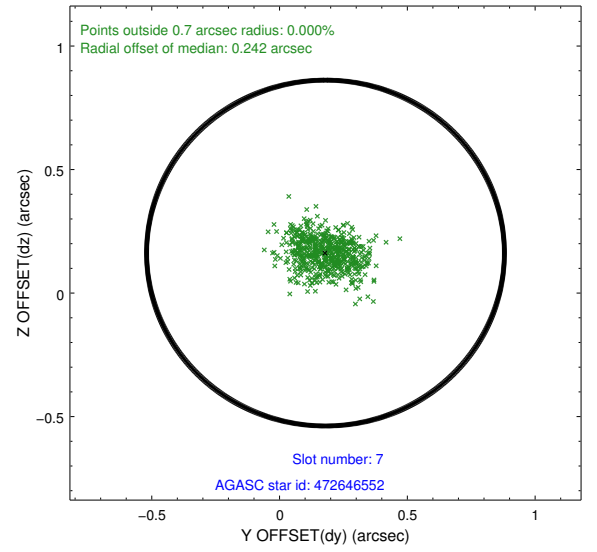
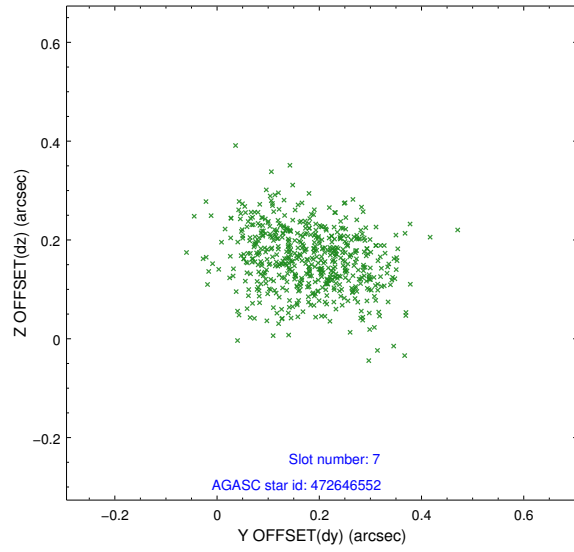
### 2.4.3 Slot 5



## 2.4.4 Slot 6

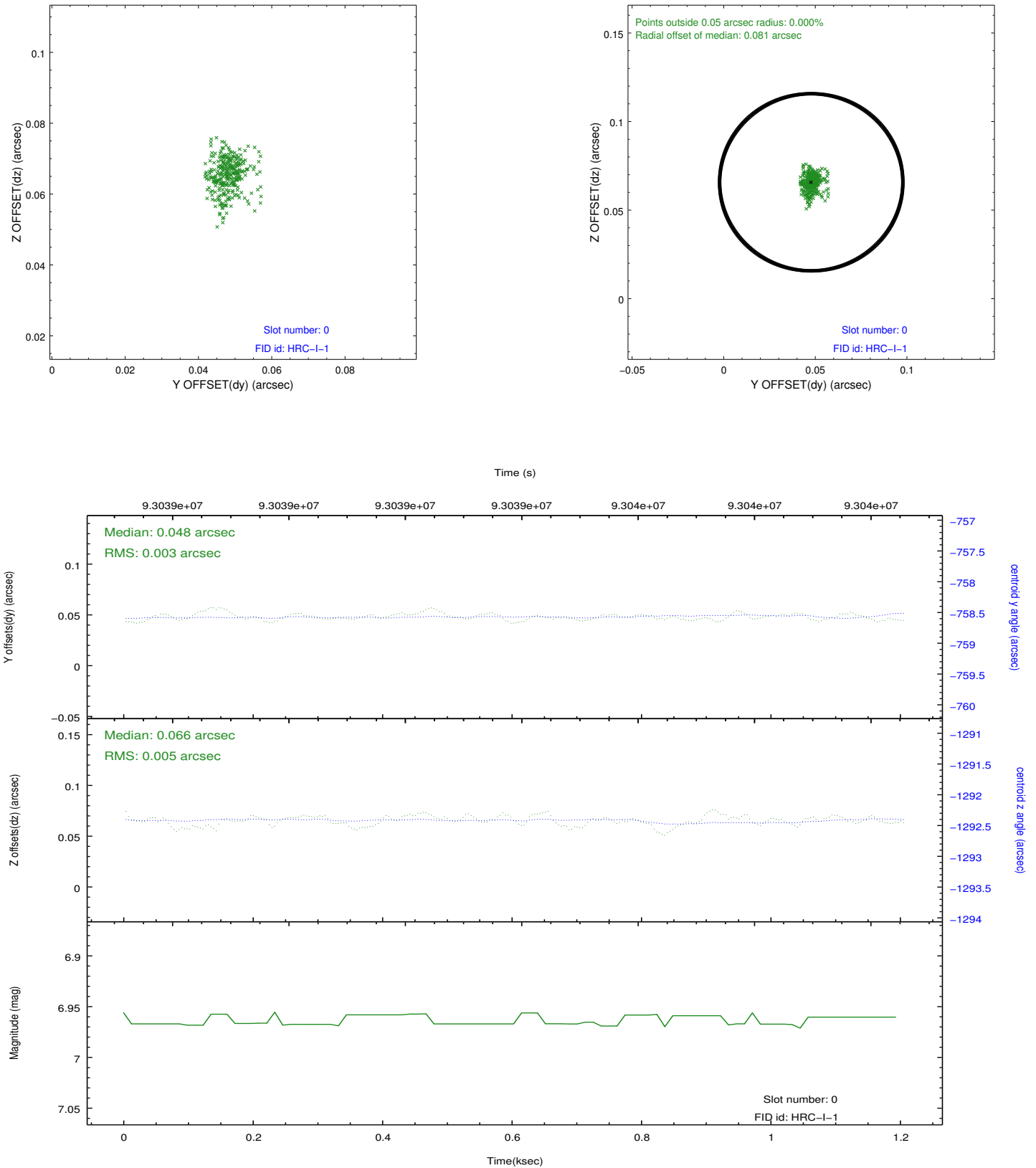


## 2.4.5 Slot 7

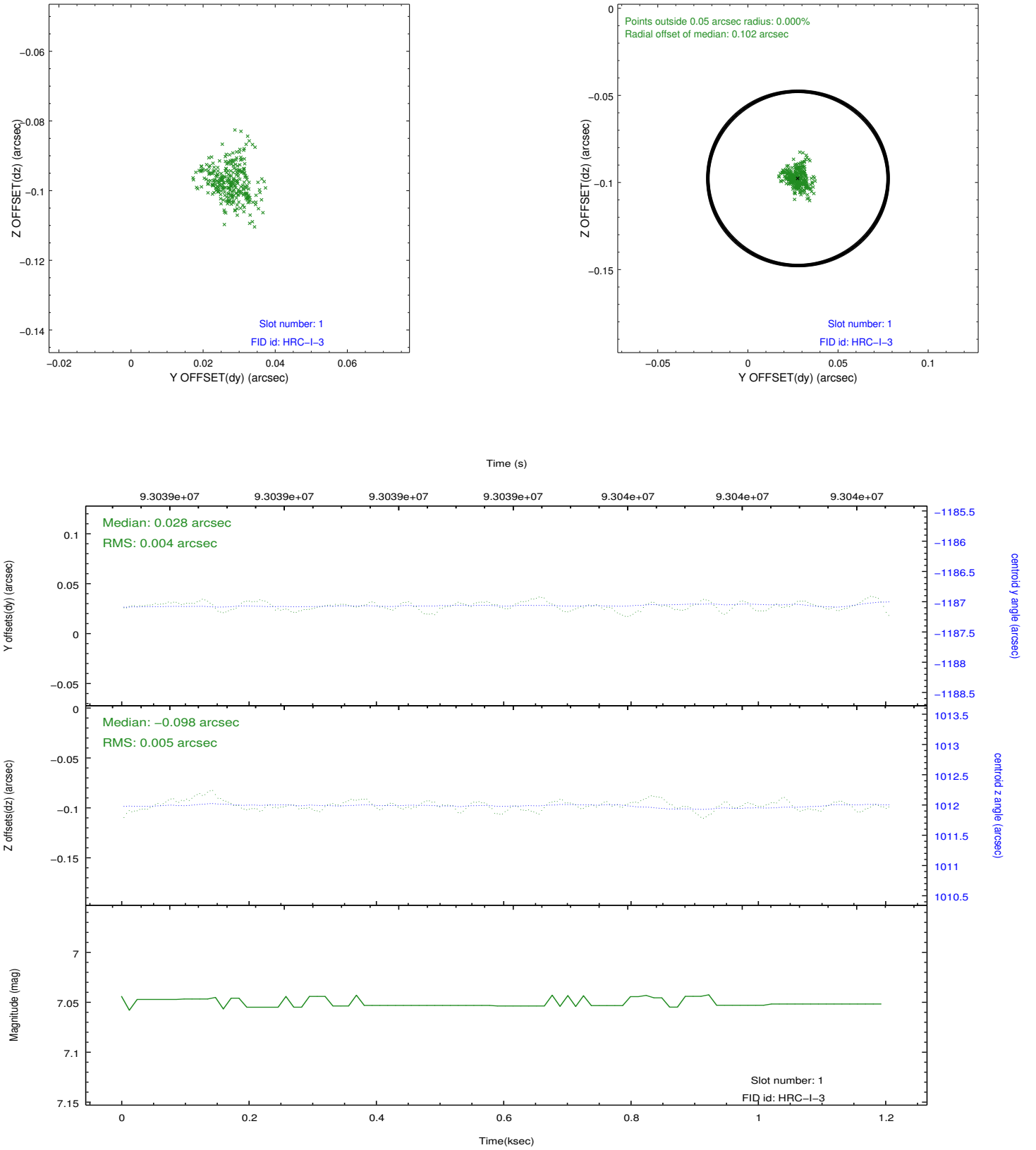


## 2.5 FID Slots

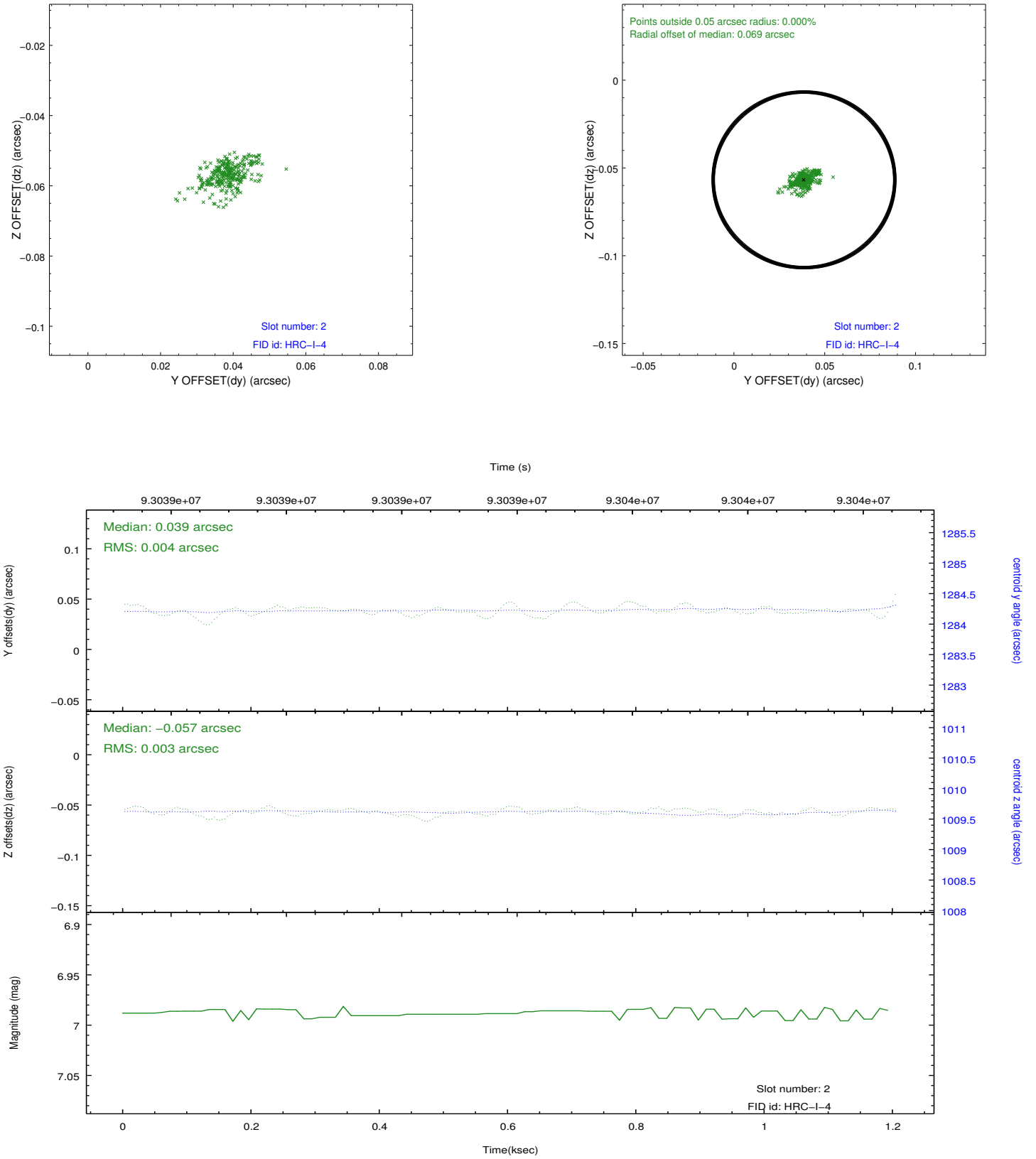
### 2.5.1 Slot 0



## 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)	2012.09.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.202

### **A.2 Comments**