

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2358 - L2 Version 5  
Chandra X-Ray Center

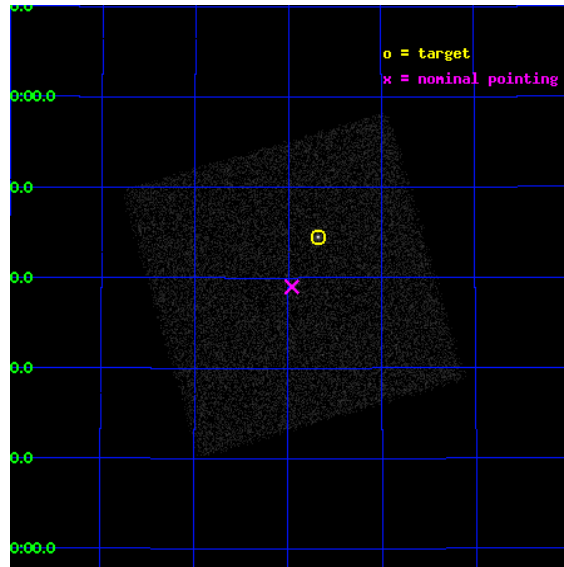
L2 Processing Date : Sep 4 2012

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# 1 Front

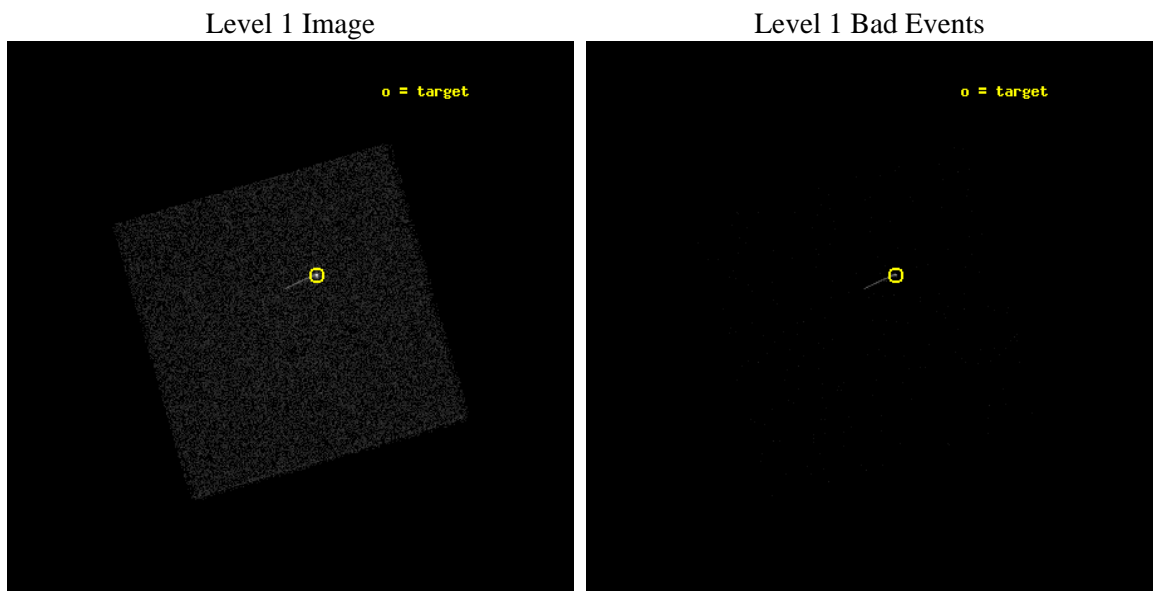
seq_num	290105	Sequence number
obs_id	2358	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-I,AO2A	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.239961651	Nominal RA [deg]
dec_nom	45.650296868116	Nominal Dec [deg]
roll_nom	298.72779985854	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1200.5312959105	[s]
livetime	1194.5863895879	Ontime multiplied by DTCOR
l2events	34912	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	1200.5312959105	[s]
caldbver	4.5.1.1	&#160	l1events	60950	Number of level 1 events
date	2012-09-04T06:20:33	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

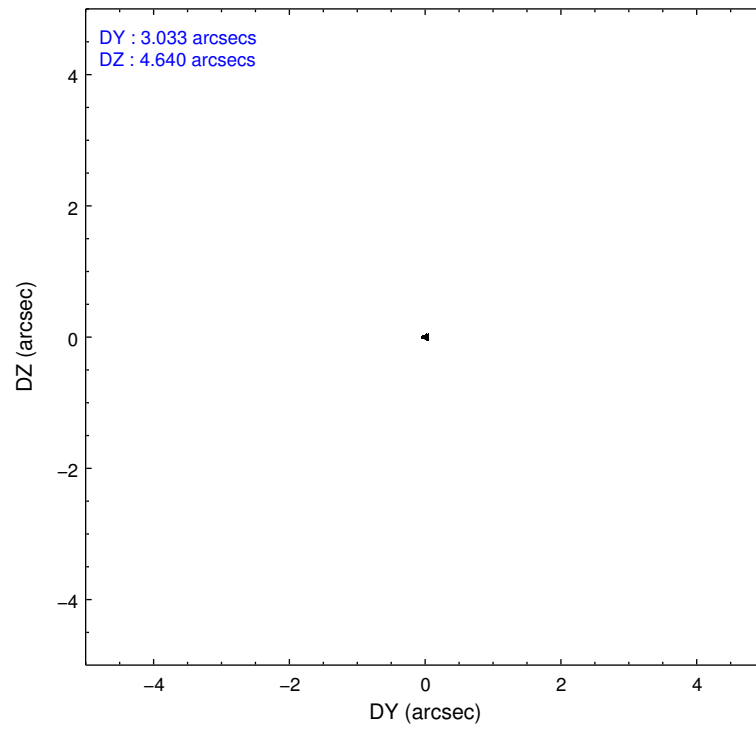
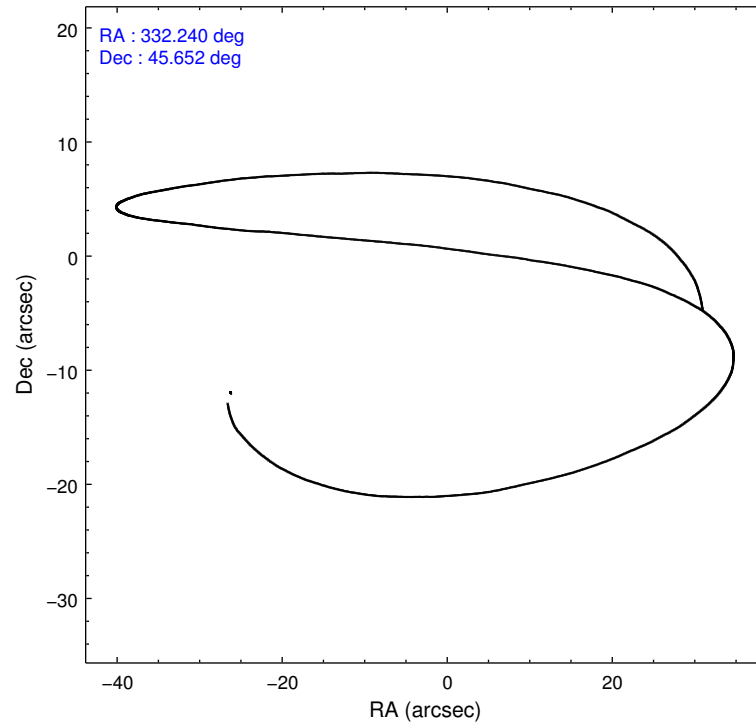
	<b>segment 0</b>
level 1 events	60950
rejected events	12290
rejected %	20%

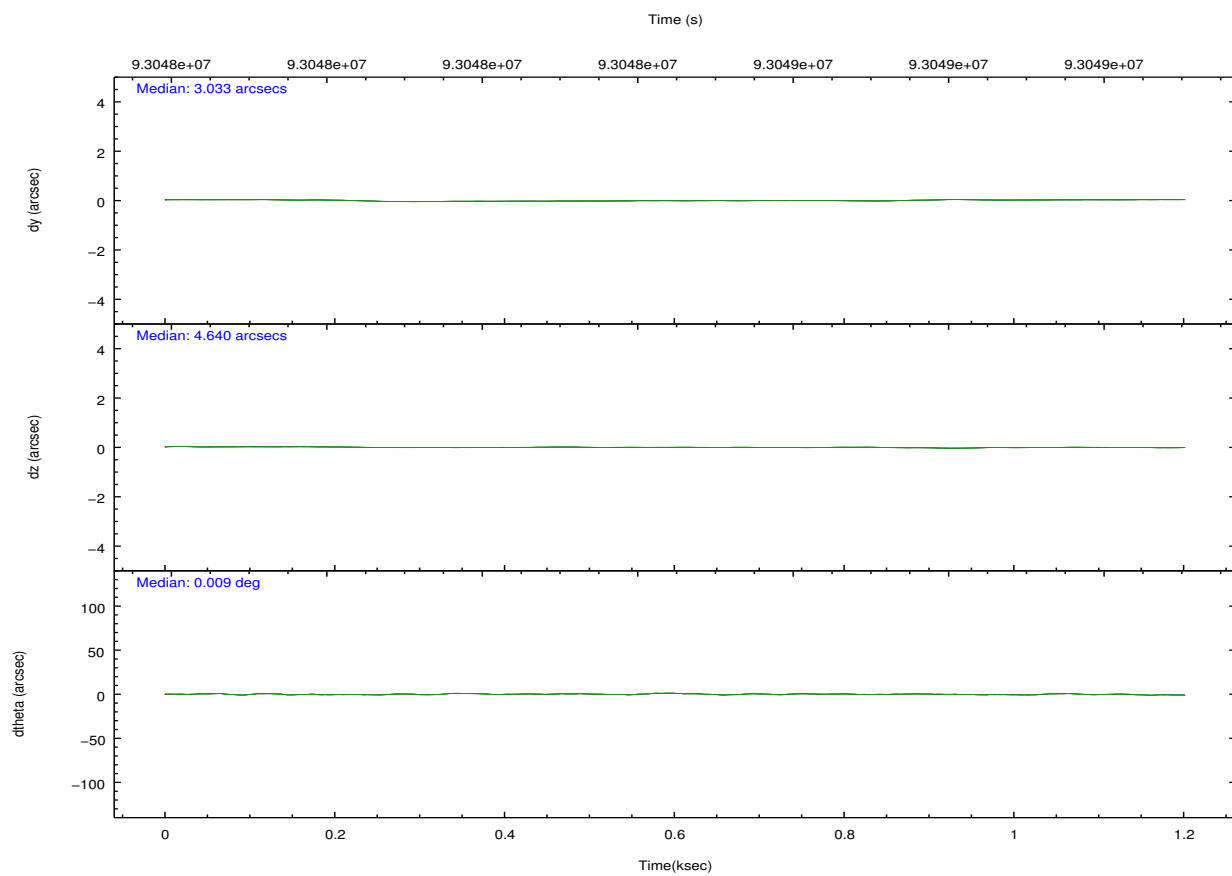
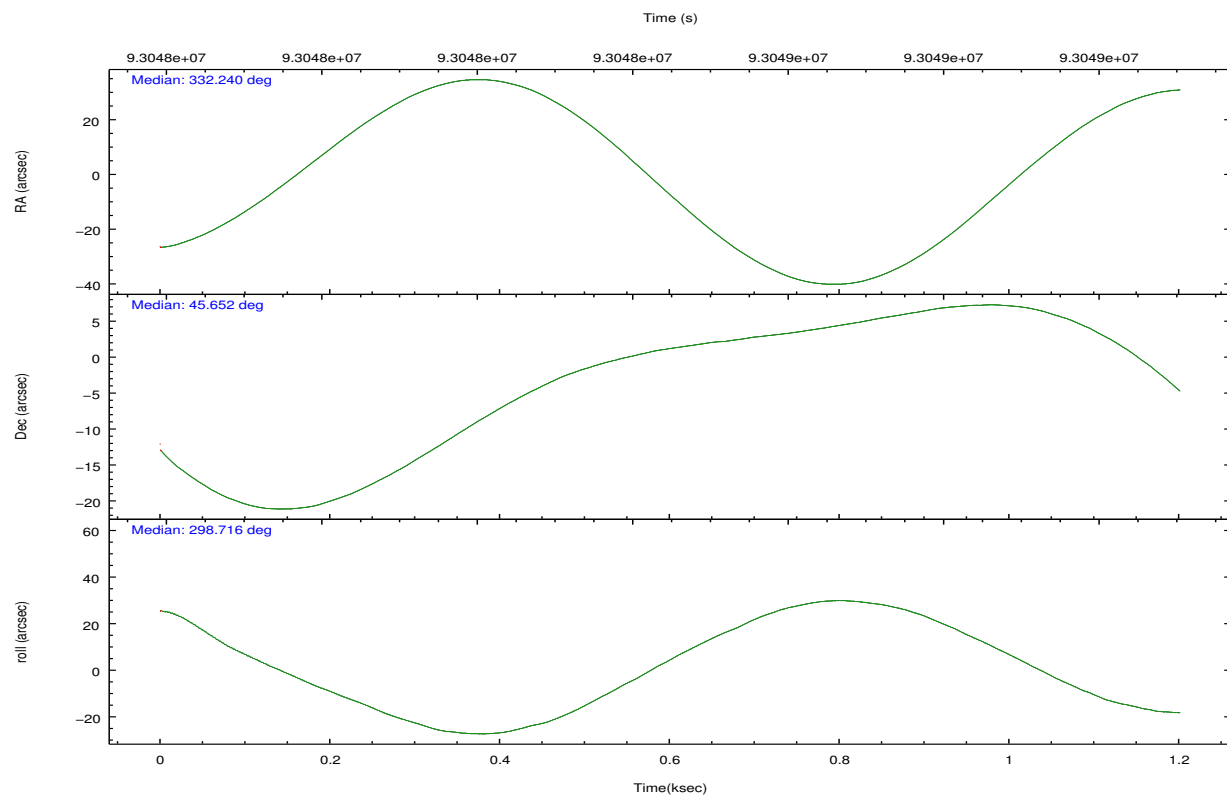
## 2.2 Compared Parameters

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	332.206103	332.2399616509995
[deg] Pointing Dec	45.664101	45.65029686811619
[deg] Pointing Roll	298.847486	298.7277998585396
[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)	93048051.184000	93047674.613262
Observation start date	2000-12-12T22:39:47	2000-12-12T22:34:34
[s] Observation end time (MET)	93049051.184000	93049184.43832
Observation end date	2000-12-12T22:56:27	2000-12-12T22:59:44

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

## 2.3 Aspect





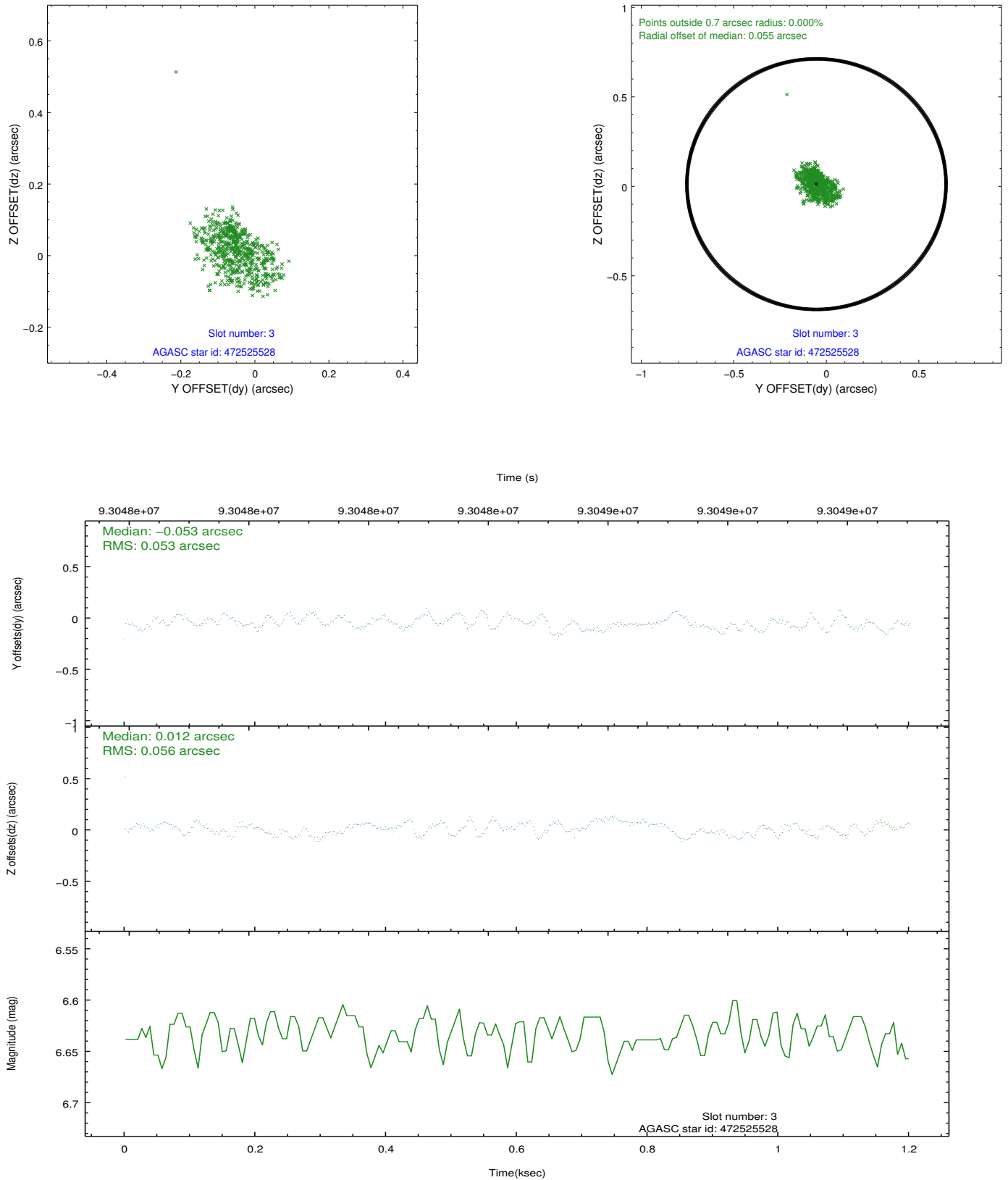
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	294	0.048	0.067	0.006	0.010	0.000000	0.000000	-758.48	-1292.40
1	FID	HRC-I-3	7.05	294	0.033	-0.099	0.008	0.011	0.000000	0.000000	-1189.54	1007.61
2	FID	HRC-I-4	6.99	294	0.033	-0.057	0.004	0.007	0.000000	0.000000	1280.27	1013.06
3	GUIDE	472525528	6.63	587	-0.053	0.012	0.082	0.124	331.551102	45.248694	502.96	-2173.33
4	GUIDE	472523760	8.23	587	-0.038	-0.123	0.062	0.101	331.645363	45.403260	135.06	-1697.00
5	GUIDE	472665256	9.02	587	-0.120	-0.094	0.081	0.129	332.808125	46.195041	-956.13	2234.74
6	GUIDE	472659832	9.46	586	0.015	0.037	0.107	0.165	332.780399	46.098139	-683.89	2014.76
7	GUIDE	472646552	9.62	586	0.179	0.147	0.131	0.302	333.120915	45.571877	1389.82	1868.28

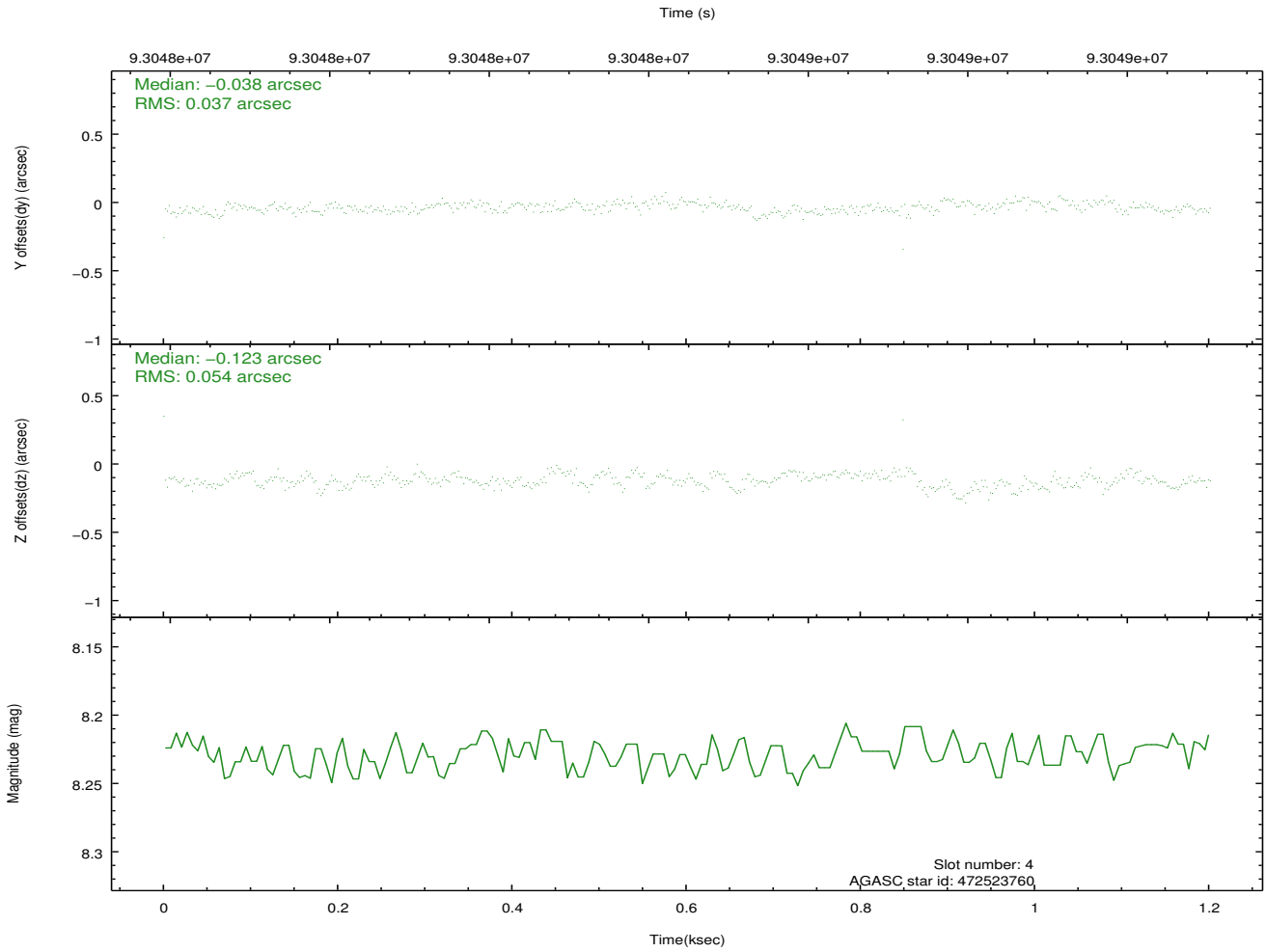
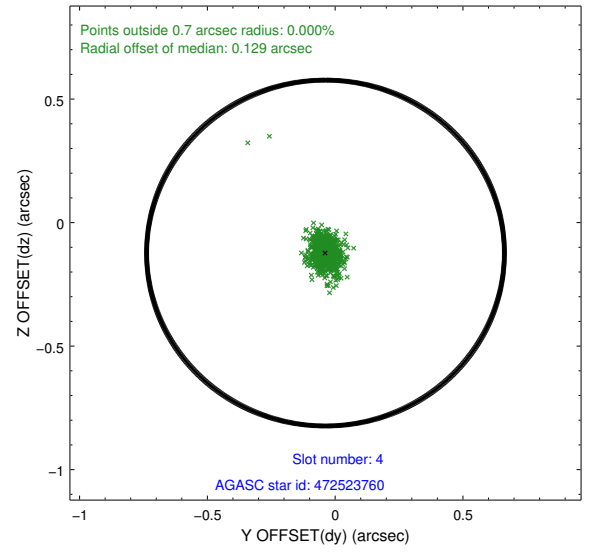
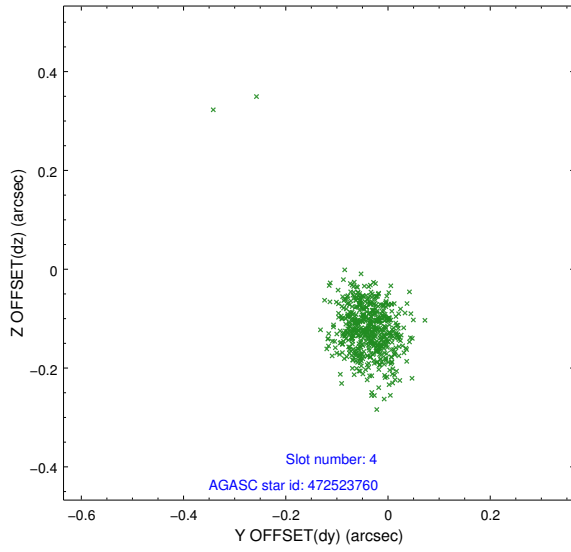


## 2.4 Star Slots

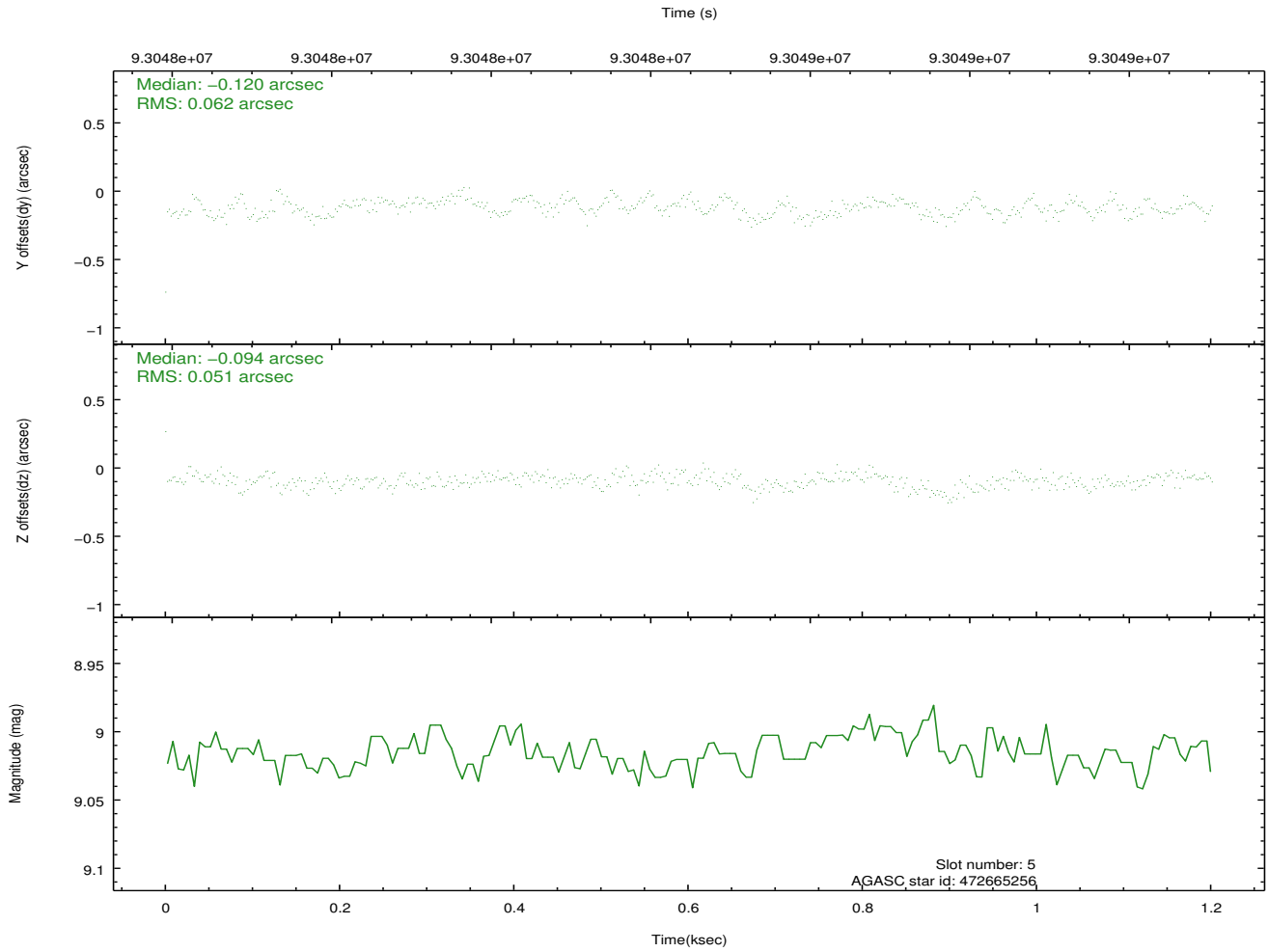
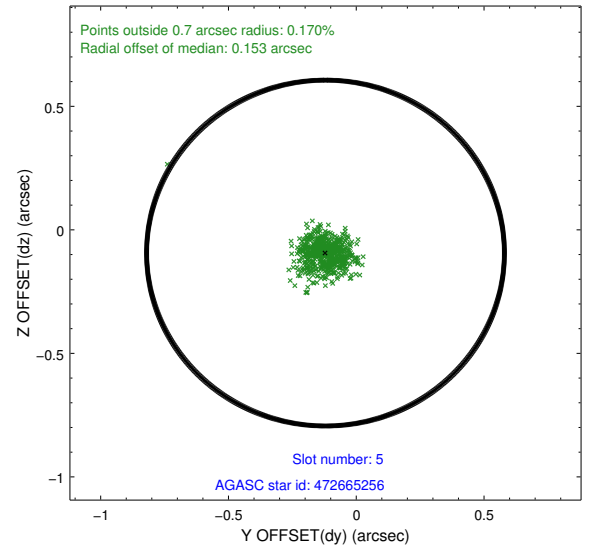
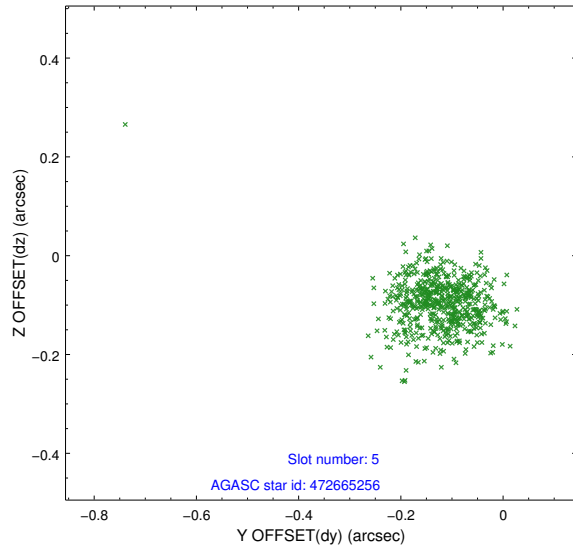
### 2.4.1 Slot 3



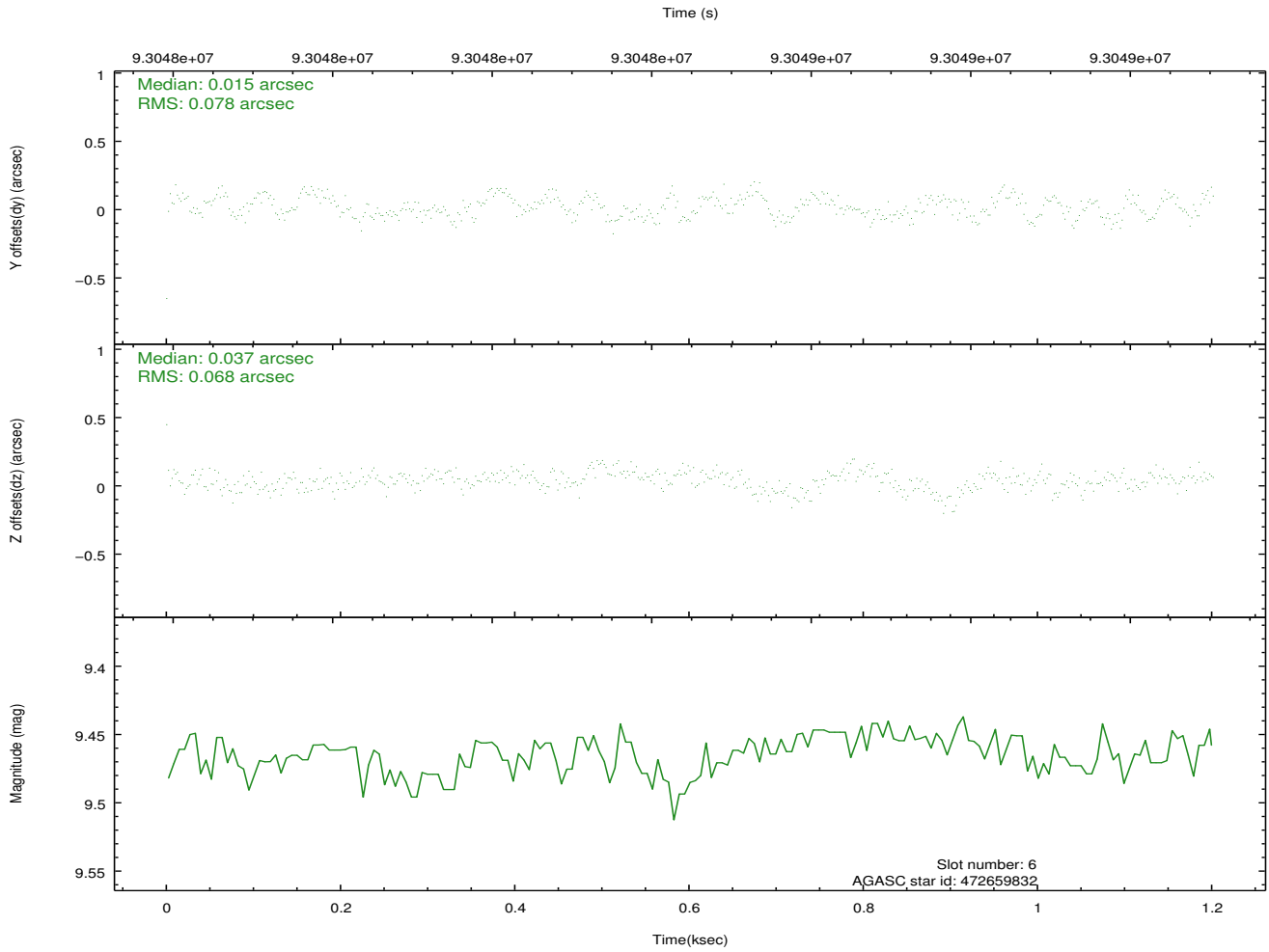
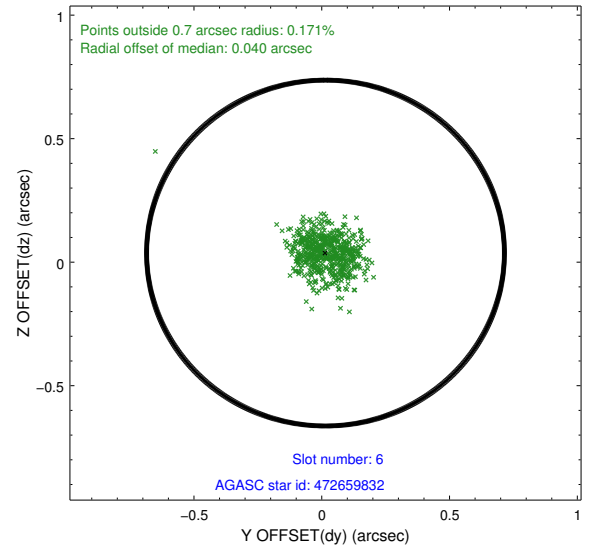
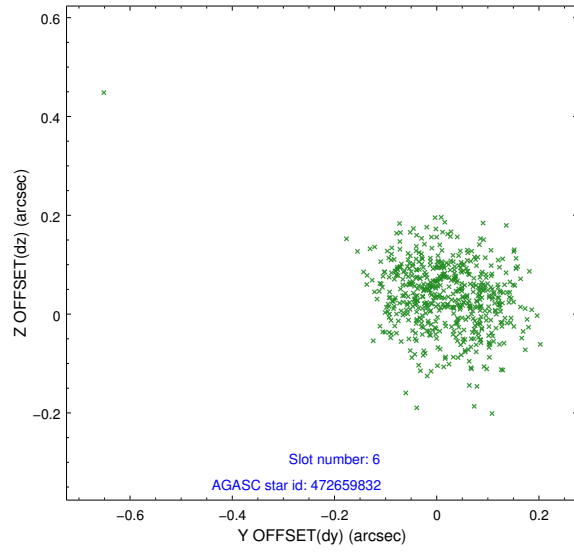
## 2.4.2 Slot 4



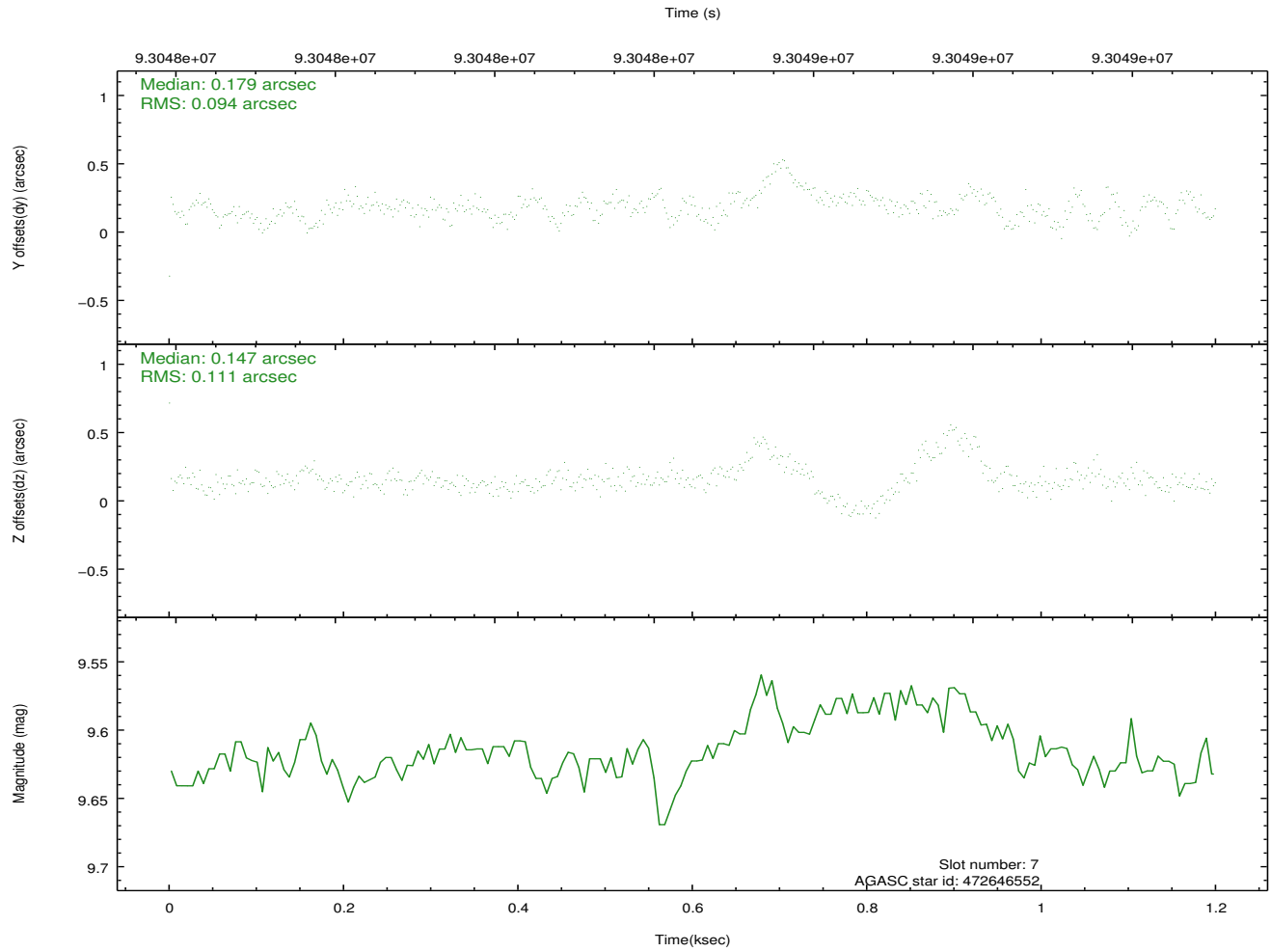
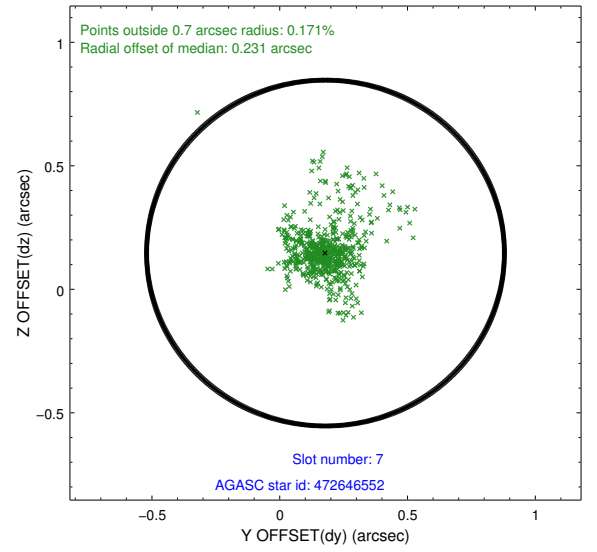
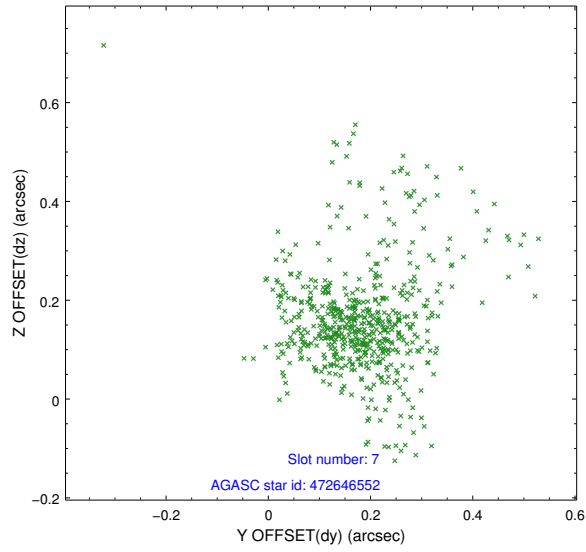
### 2.4.3 Slot 5



## 2.4.4 Slot 6

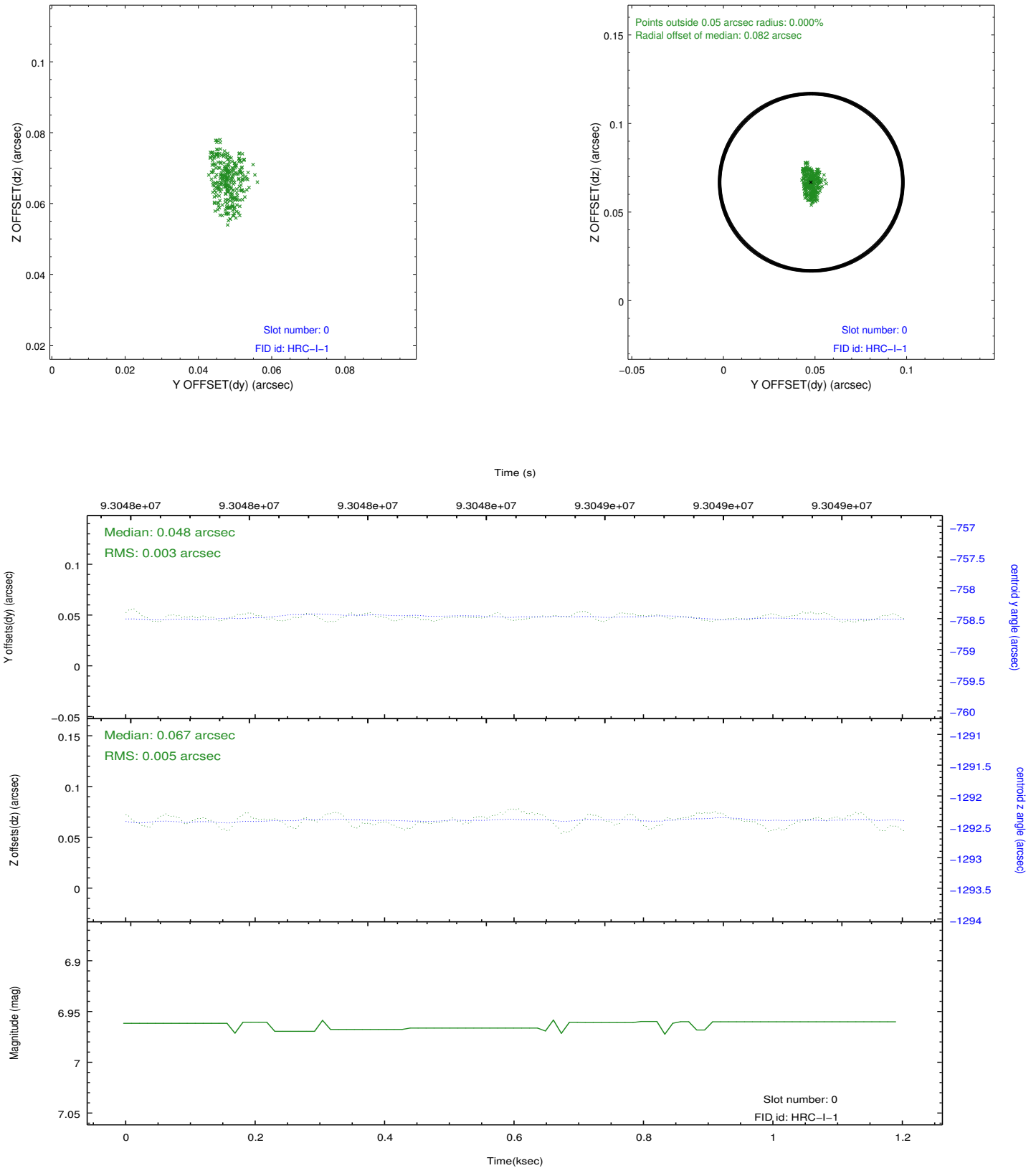


## 2.4.5 Slot 7

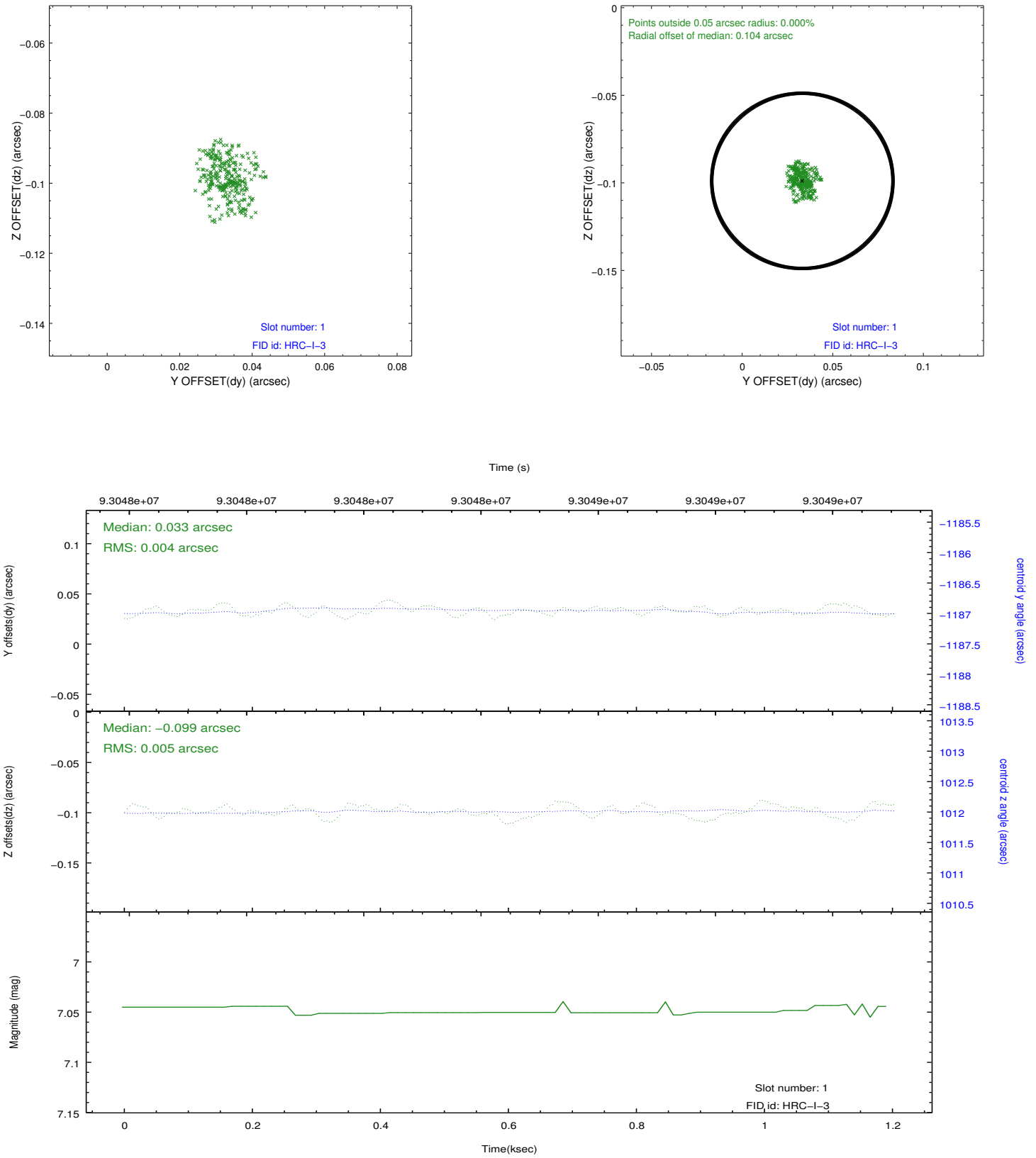


## 2.5 FID Slots

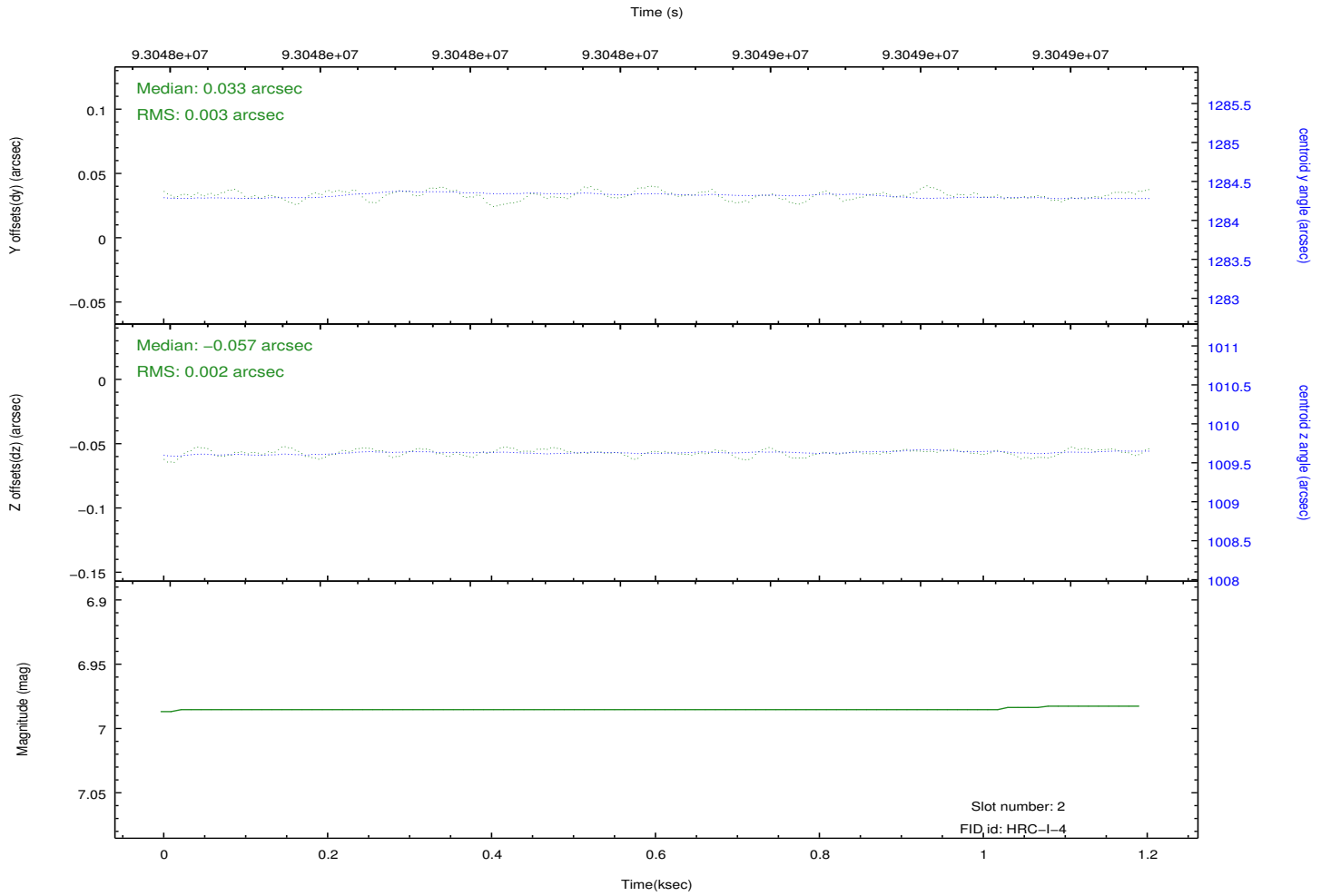
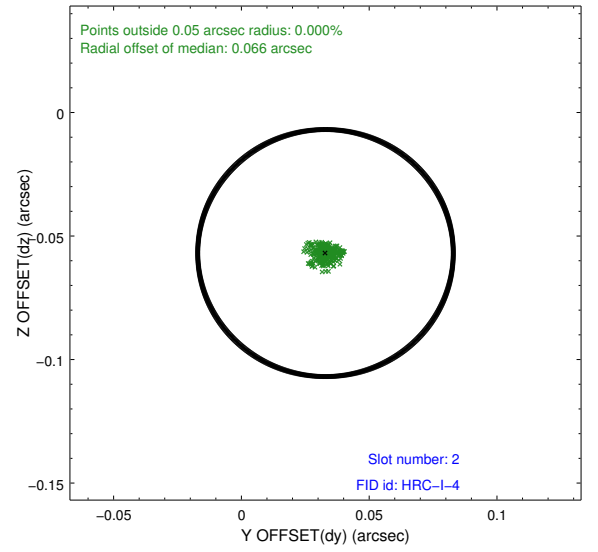
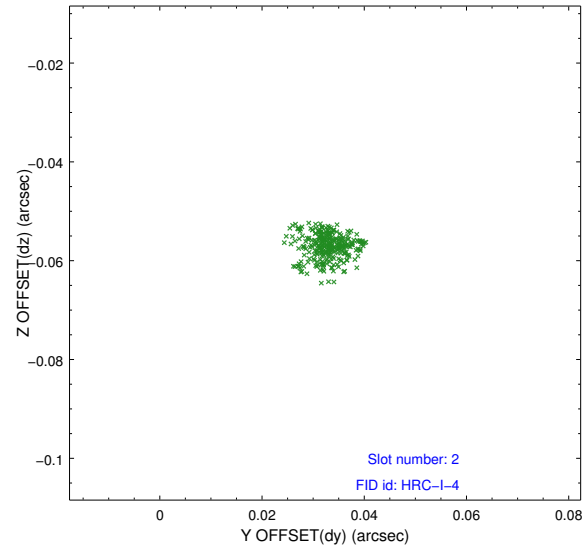
### 2.5.1 Slot 0



## 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	1.2

### A.2 Comments