

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2357 - L2 Version 6  
Chandra X-Ray Center

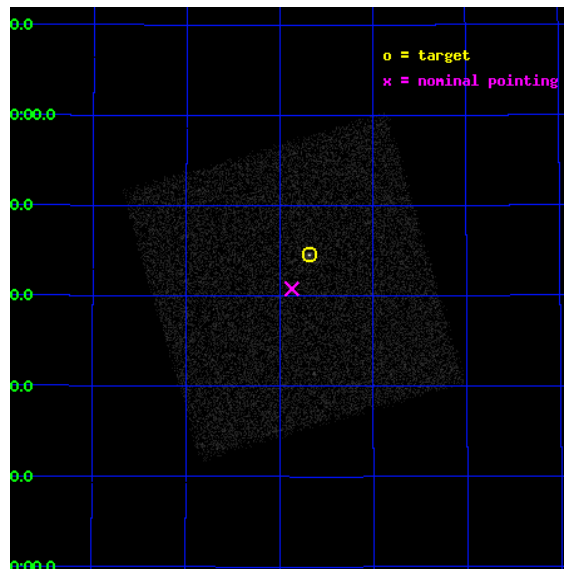
L2 Processing Date : Sep 4 2012

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# 1 Front

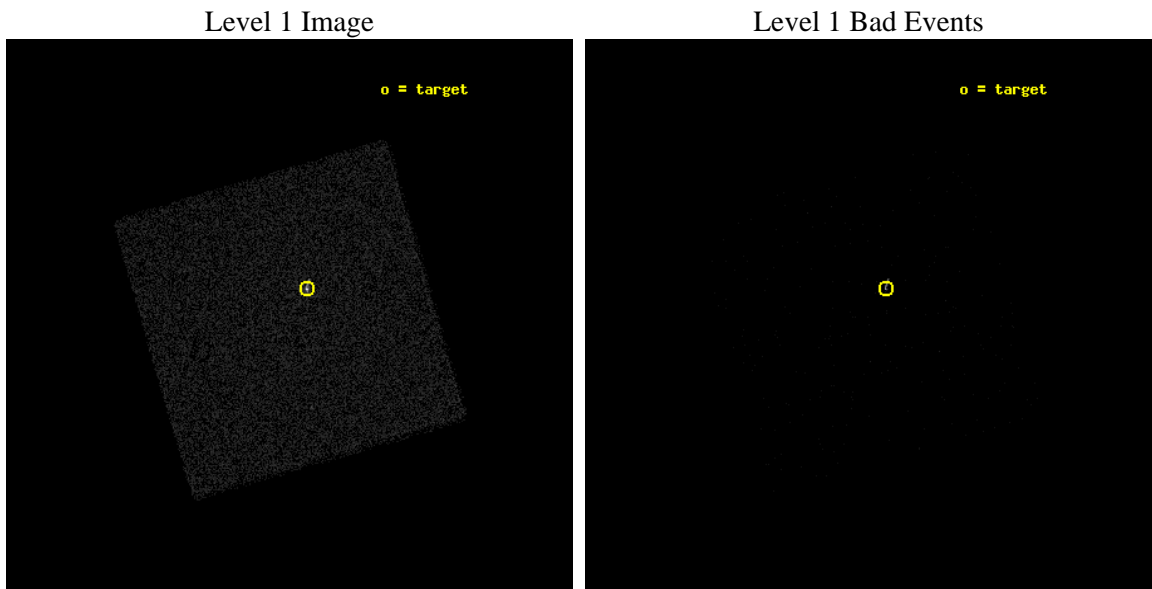
seq_num	290104	Sequence number
obs_id	2357	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-I,AO2A	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.21693112692	Nominal RA [deg]
dec_nom	45.680133677136	Nominal Dec [deg]
roll_nom	298.72740790456	Nominal Roll [deg]
revision	6	Processing version of data
ontime	1188.2312954366	[s]
livetime	1182.383736522	Ontime multiplied by DTCOR
l2events	34546	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	1188.2312954366	[s]
caldsver	4.5.1.1	&#160	l1events	60770	Number of level 1 events
date	2012-09-04T06:21:18	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

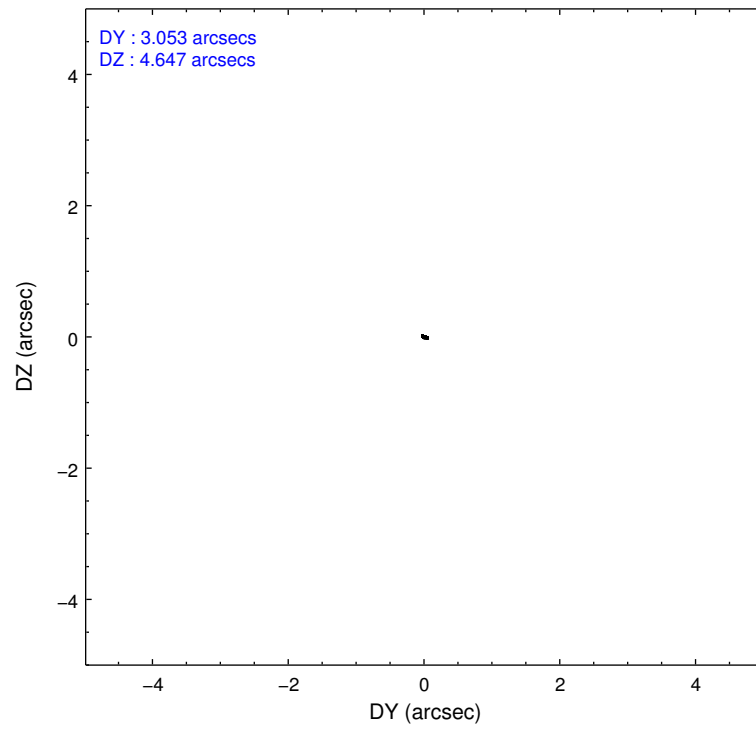
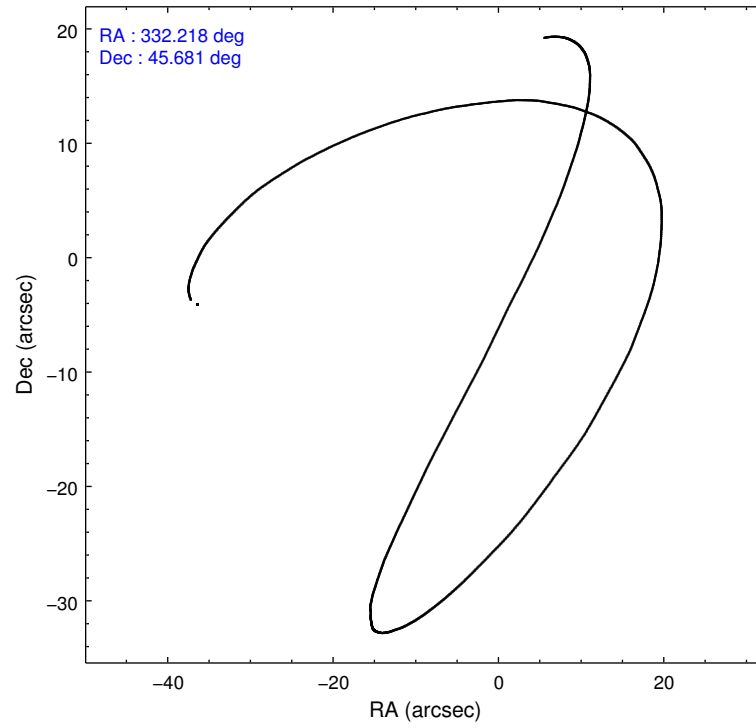
	<b>segment 0</b>
level 1 events	60770
rejected events	12817
rejected %	21%

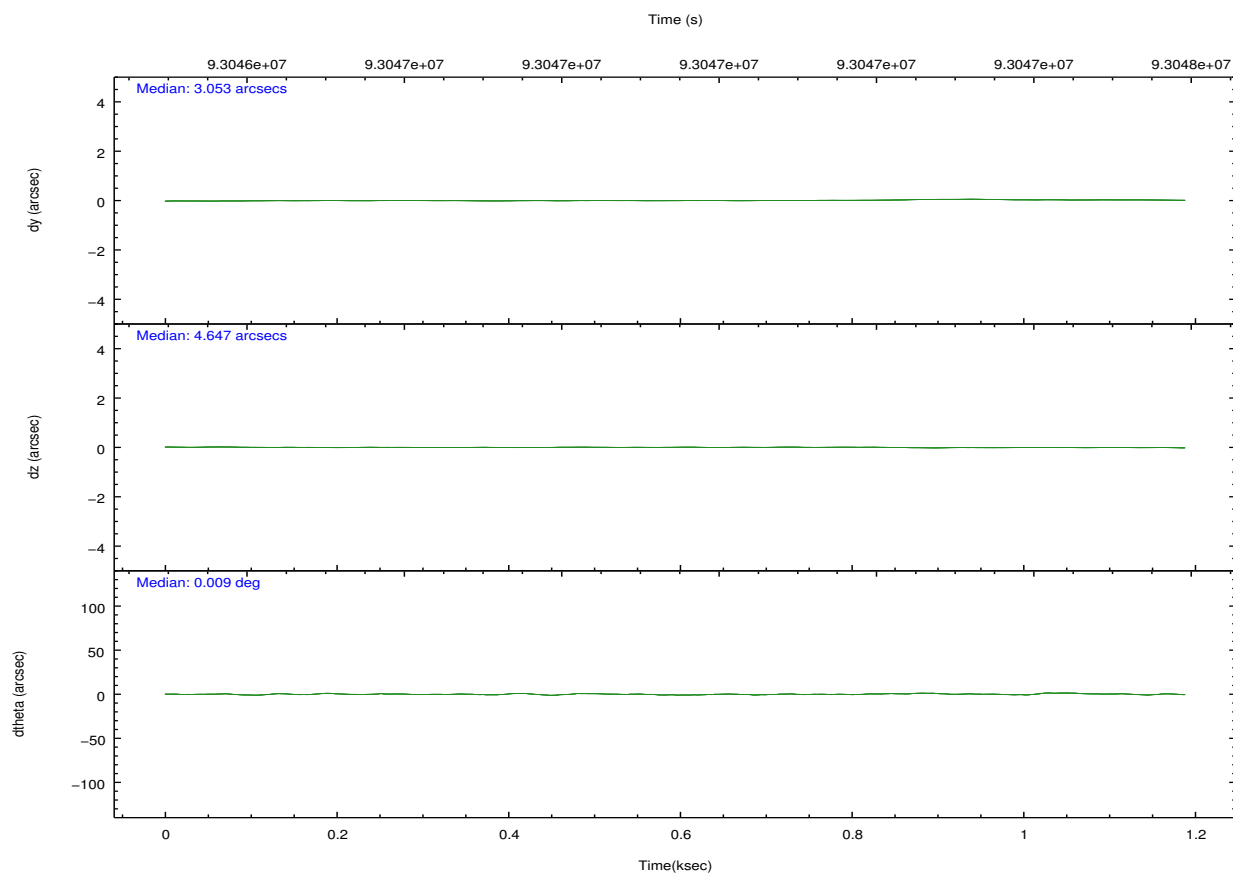
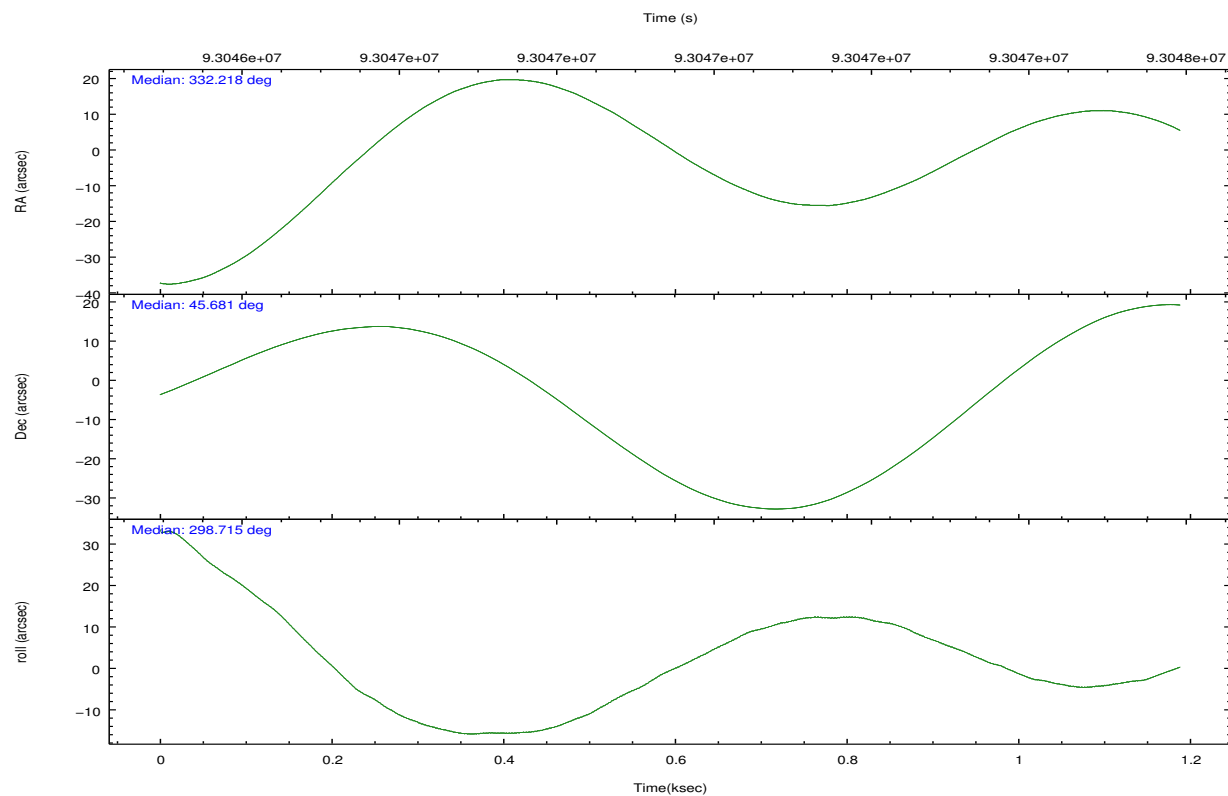
## 2.2 Compared Parameters

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	332.183061	332.2169311269221
[deg] Pointing Dec	45.693288	45.68013367713596
[deg] Pointing Roll	298.847157	298.7274079045584
[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)	93046541.184000	93046164.788204
Observation start date	2000-12-12T22:14:37	2000-12-12T22:09:24
[s] Observation end time (MET)	93047541.184000	93047674.613262
Observation end date	2000-12-12T22:31:17	2000-12-12T22:34:34

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

## 2.3 Aspect





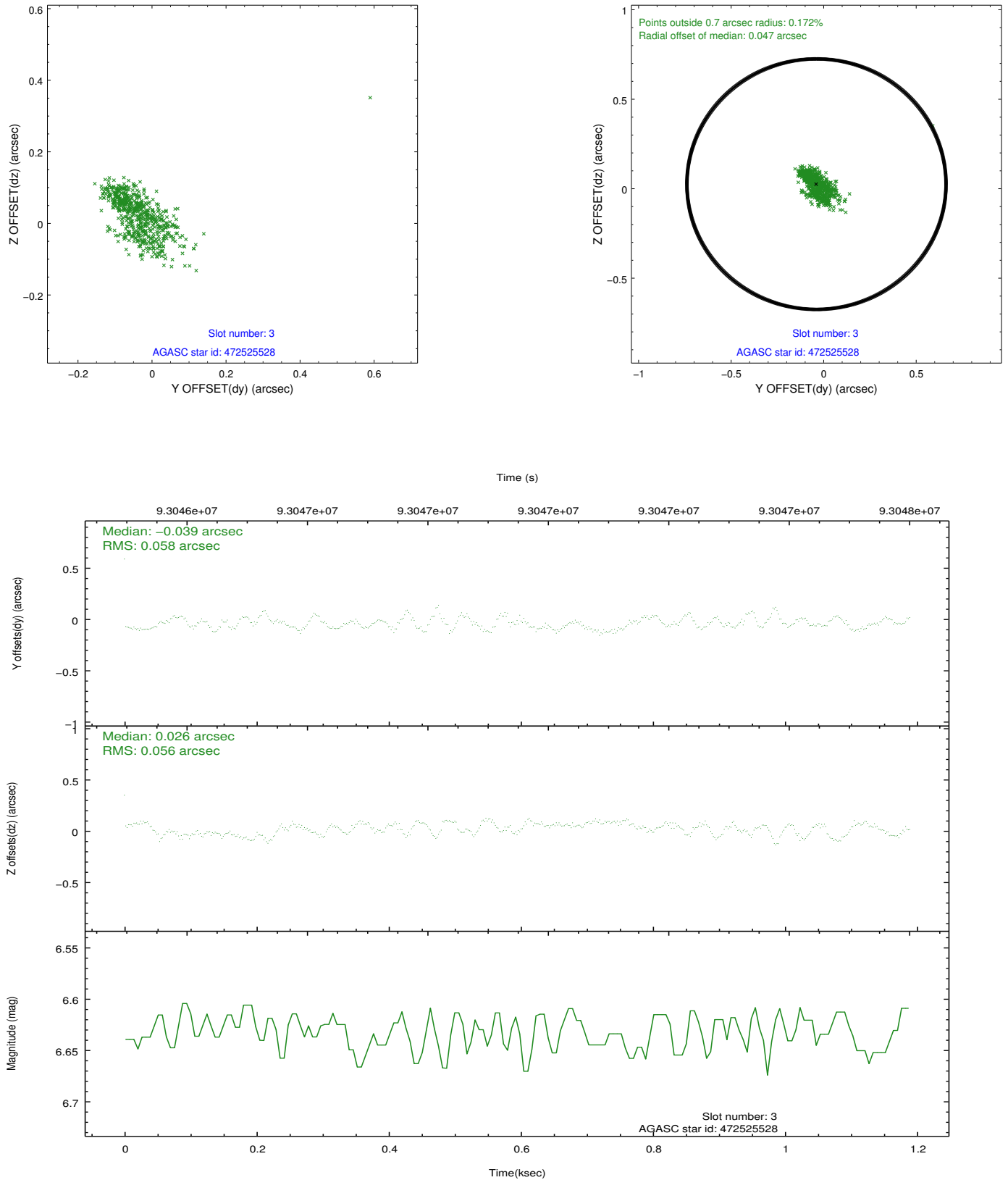
### Slot Statistics

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	290	0.048	0.065	0.007	0.011	0.000000	0.000000	-758.50	-1292.40
1	FID	HRC-I-3	7.05	290	0.033	-0.098	0.007	0.011	0.000000	0.000000	-1189.60	1007.55
2	FID	HRC-I-4	6.98	290	0.034	-0.057	0.005	0.007	0.000000	0.000000	1280.19	1013.10
3	GUIDE	472525528	6.63	581	-0.039	0.026	0.080	0.126	331.551102	45.248694	625.70	-2174.17
4	GUIDE	472523760	8.23	581	-0.044	-0.121	0.057	0.097	331.645363	45.403260	257.86	-1698.00
5	GUIDE	472665256	9.01	581	-0.089	-0.104	0.078	0.124	332.808125	46.195041	-834.50	2233.40
6	GUIDE	472659832	9.47	581	-0.012	0.045	0.102	0.158	332.780399	46.098139	-562.29	2013.58
7	GUIDE	472646552	9.62	580	0.178	0.147	0.097	0.160	333.120915	45.571877	1511.47	1867.71

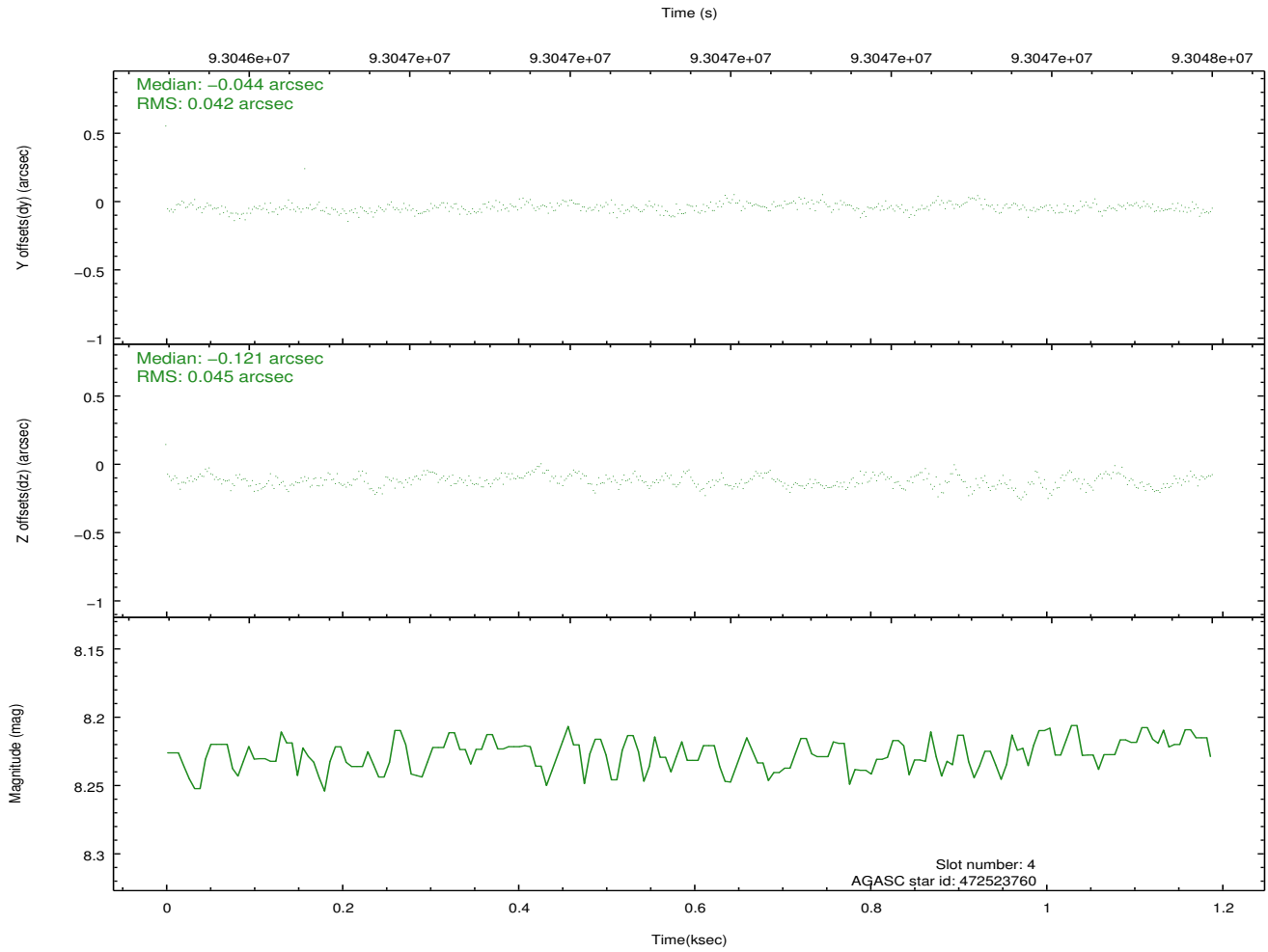
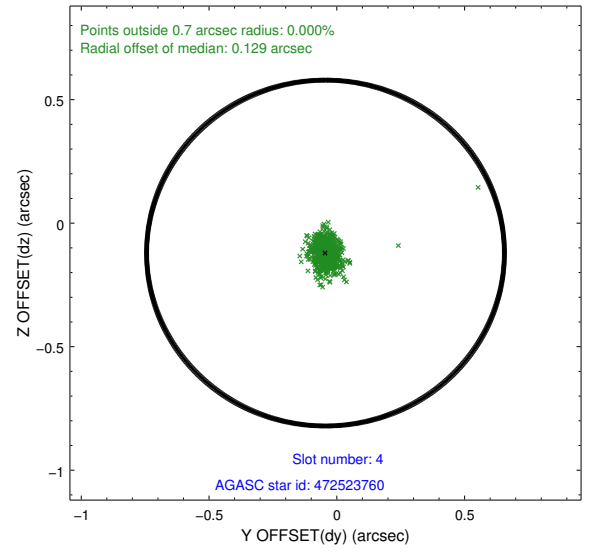
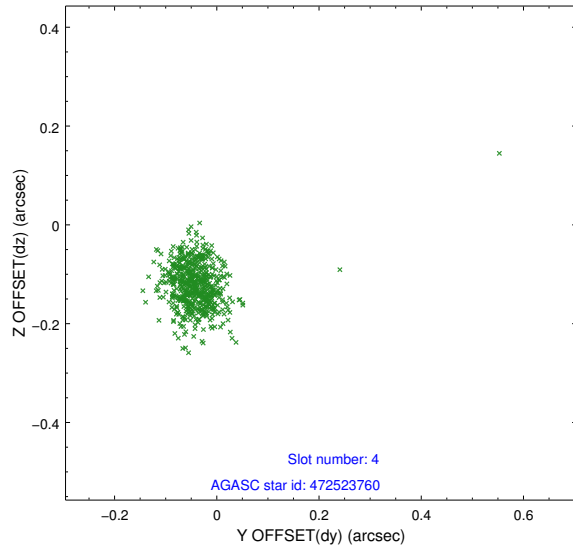


## 2.4 Star Slots

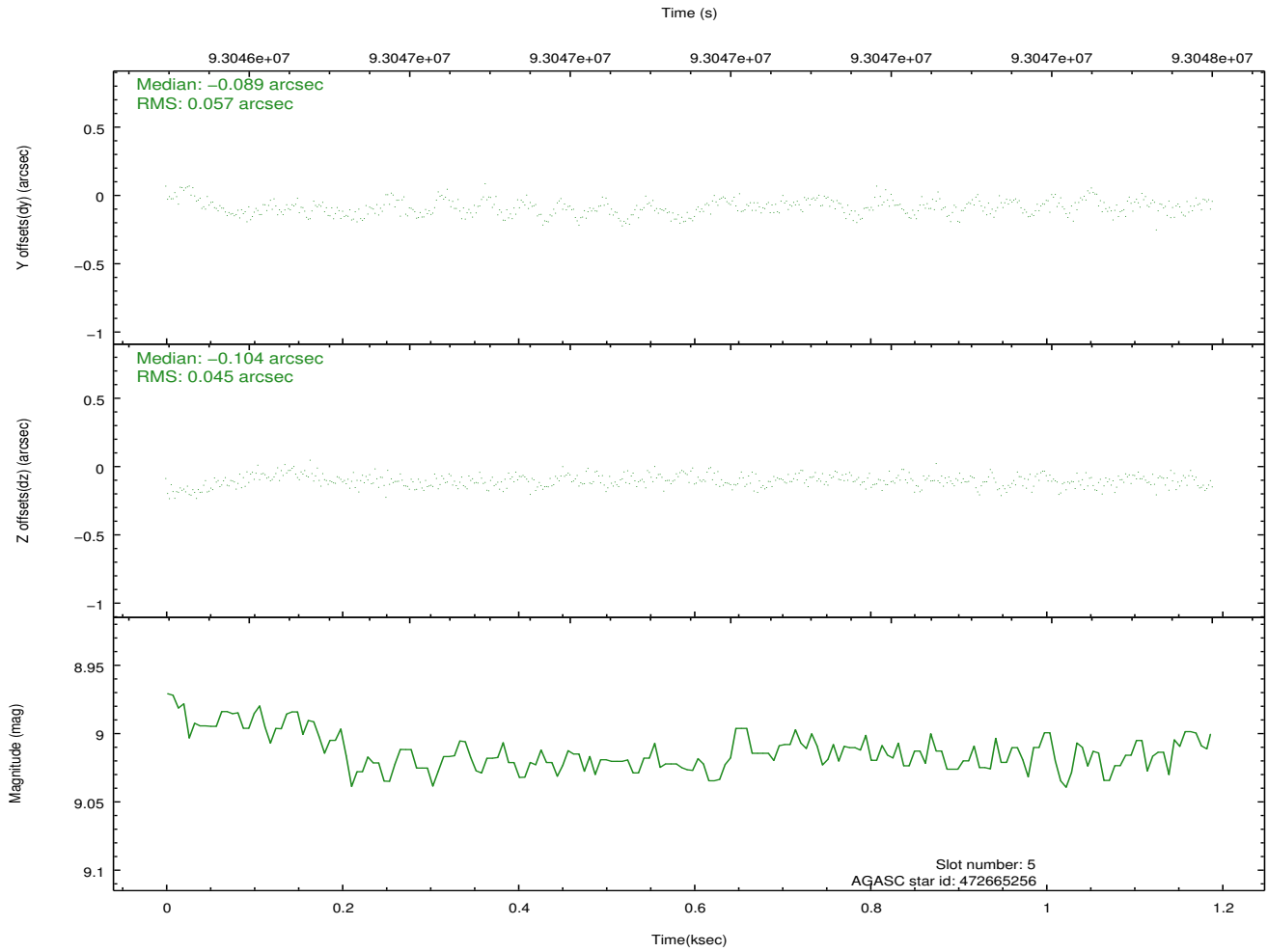
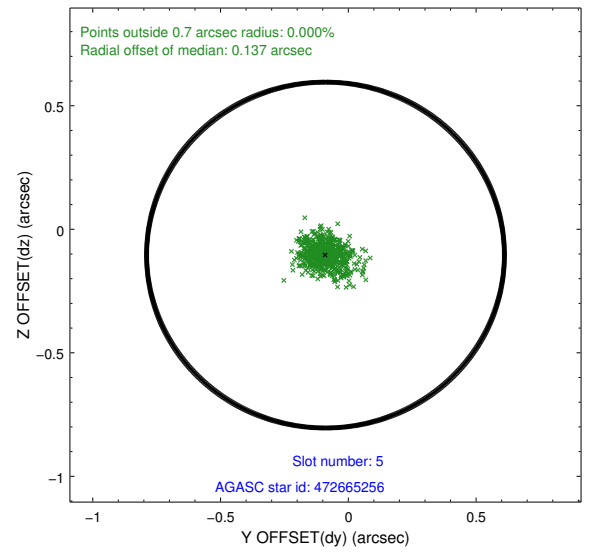
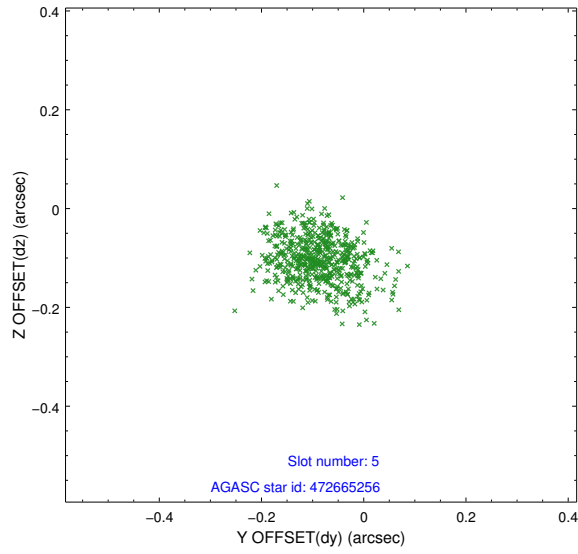
### 2.4.1 Slot 3



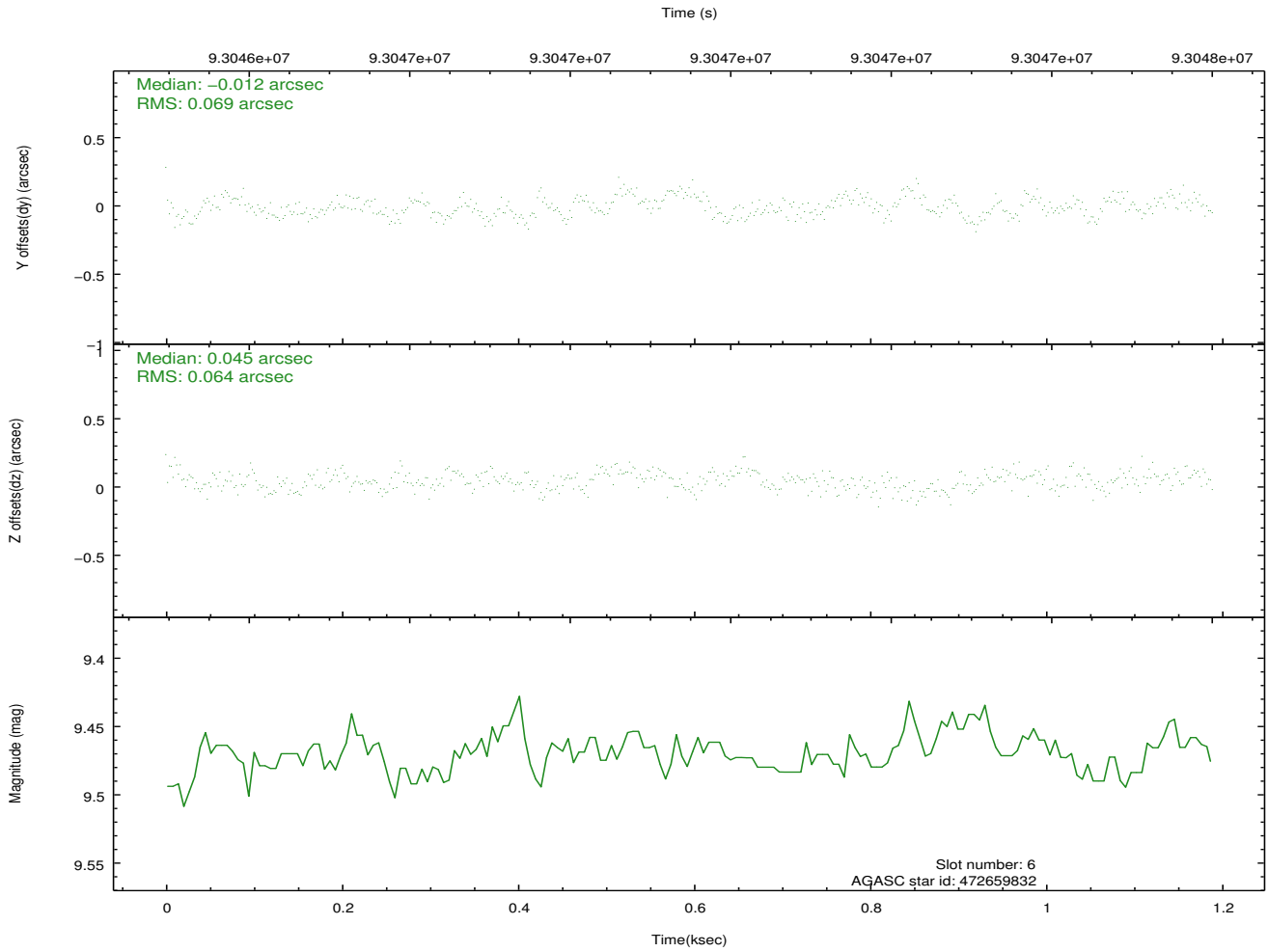
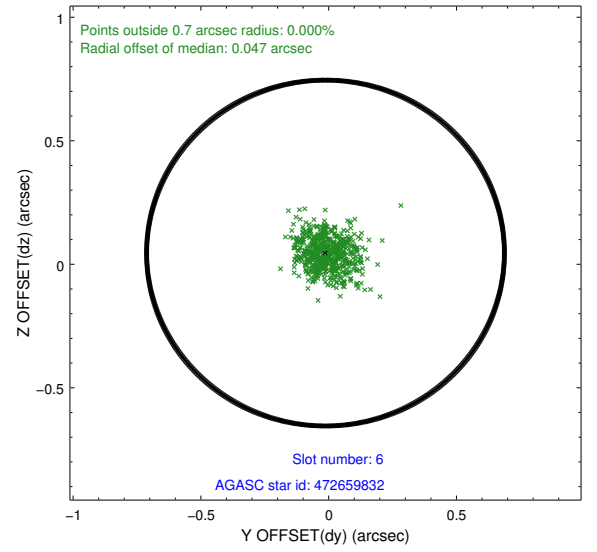
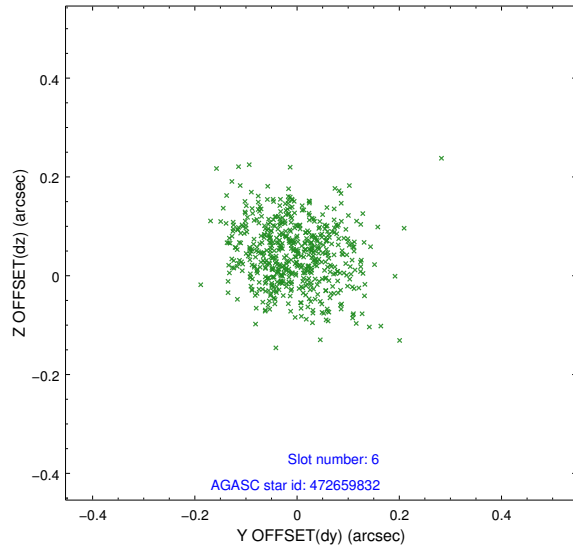
## 2.4.2 Slot 4



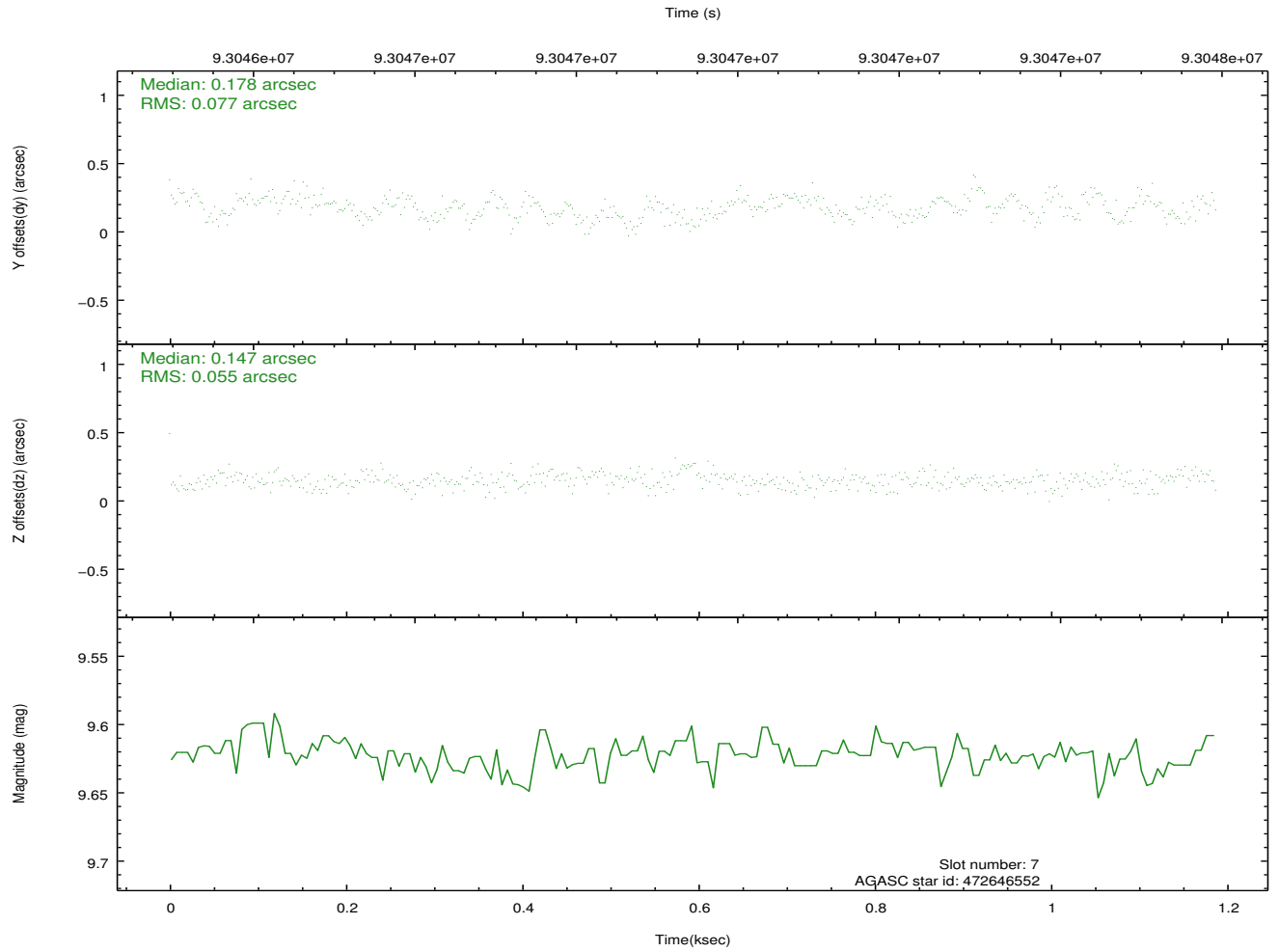
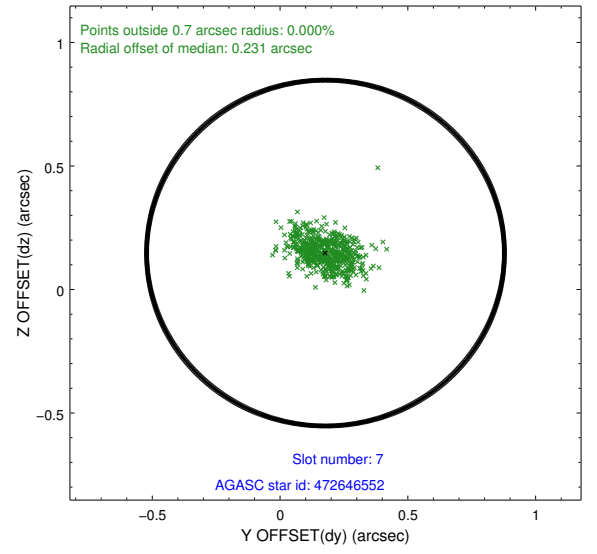
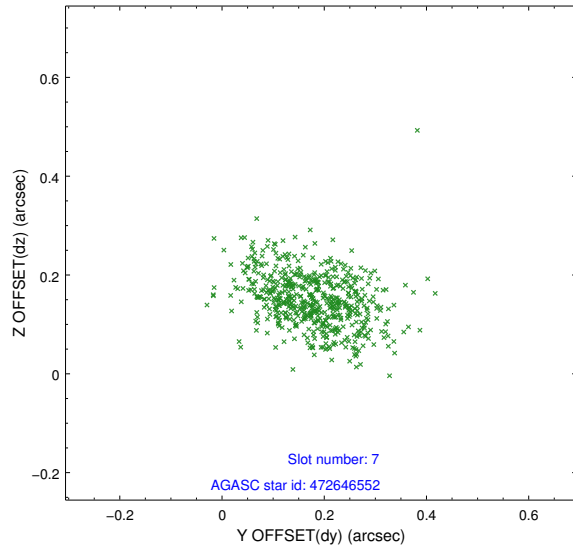
### 2.4.3 Slot 5



## 2.4.4 Slot 6

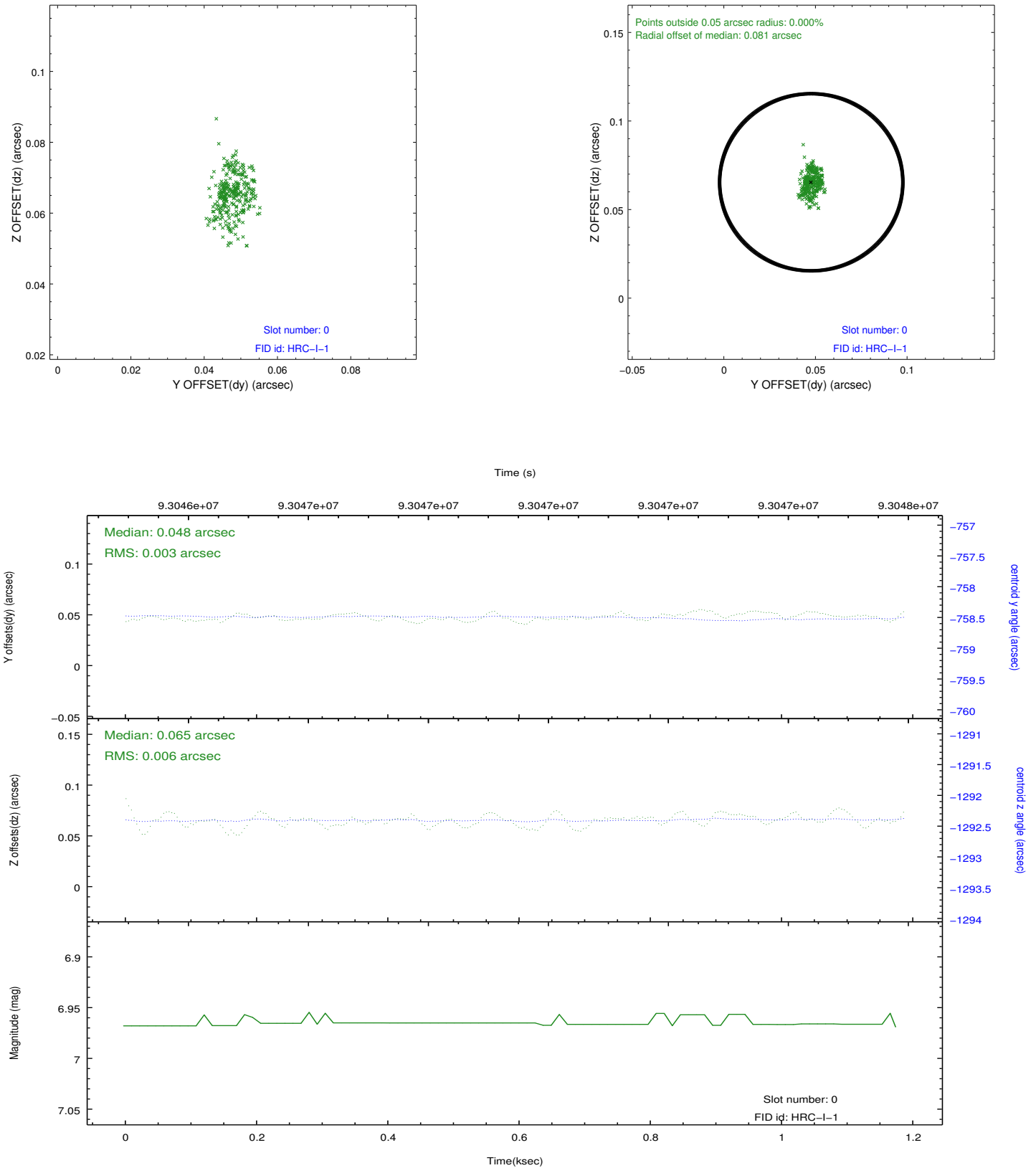


## 2.4.5 Slot 7

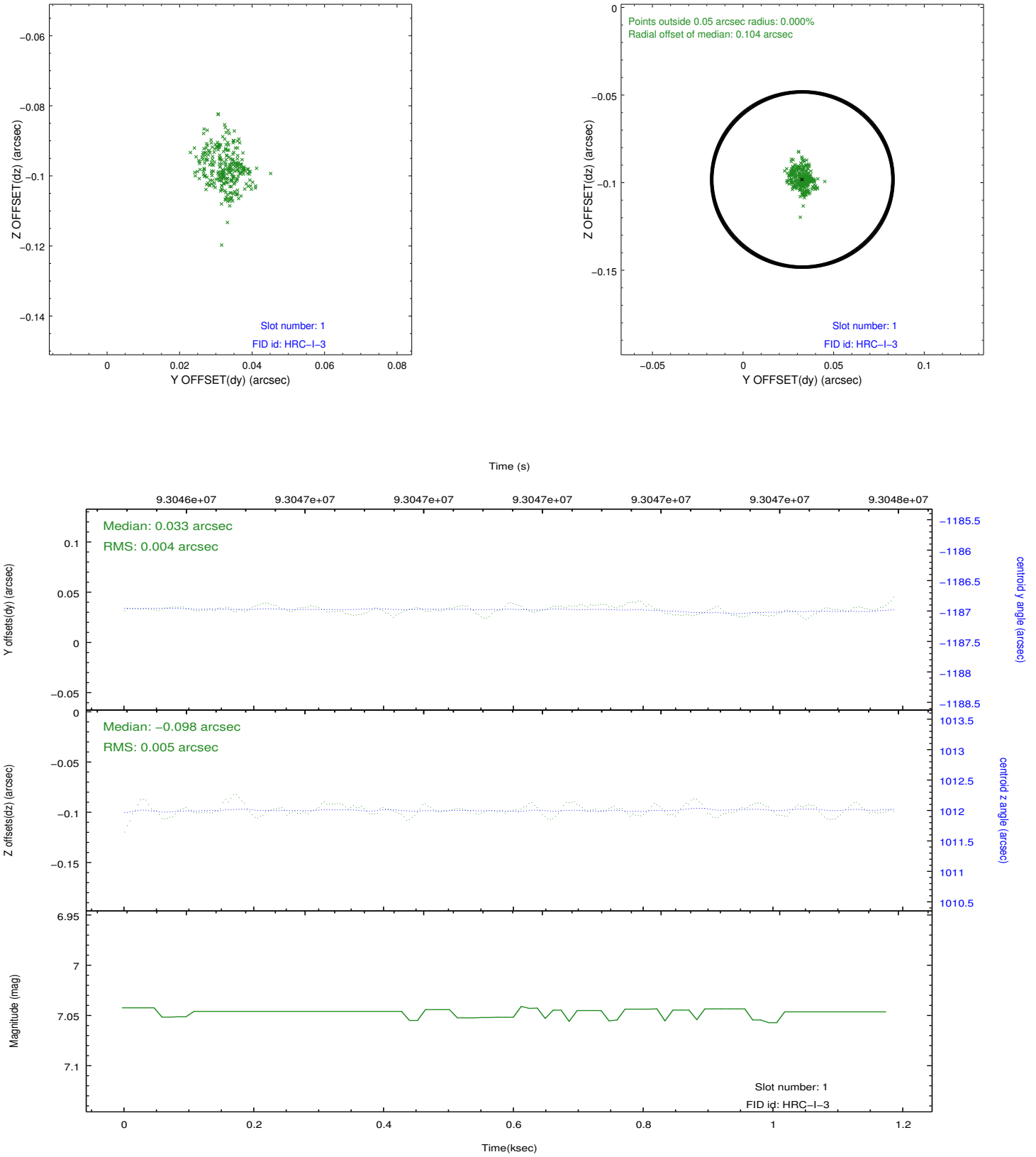


## 2.5 FID Slots

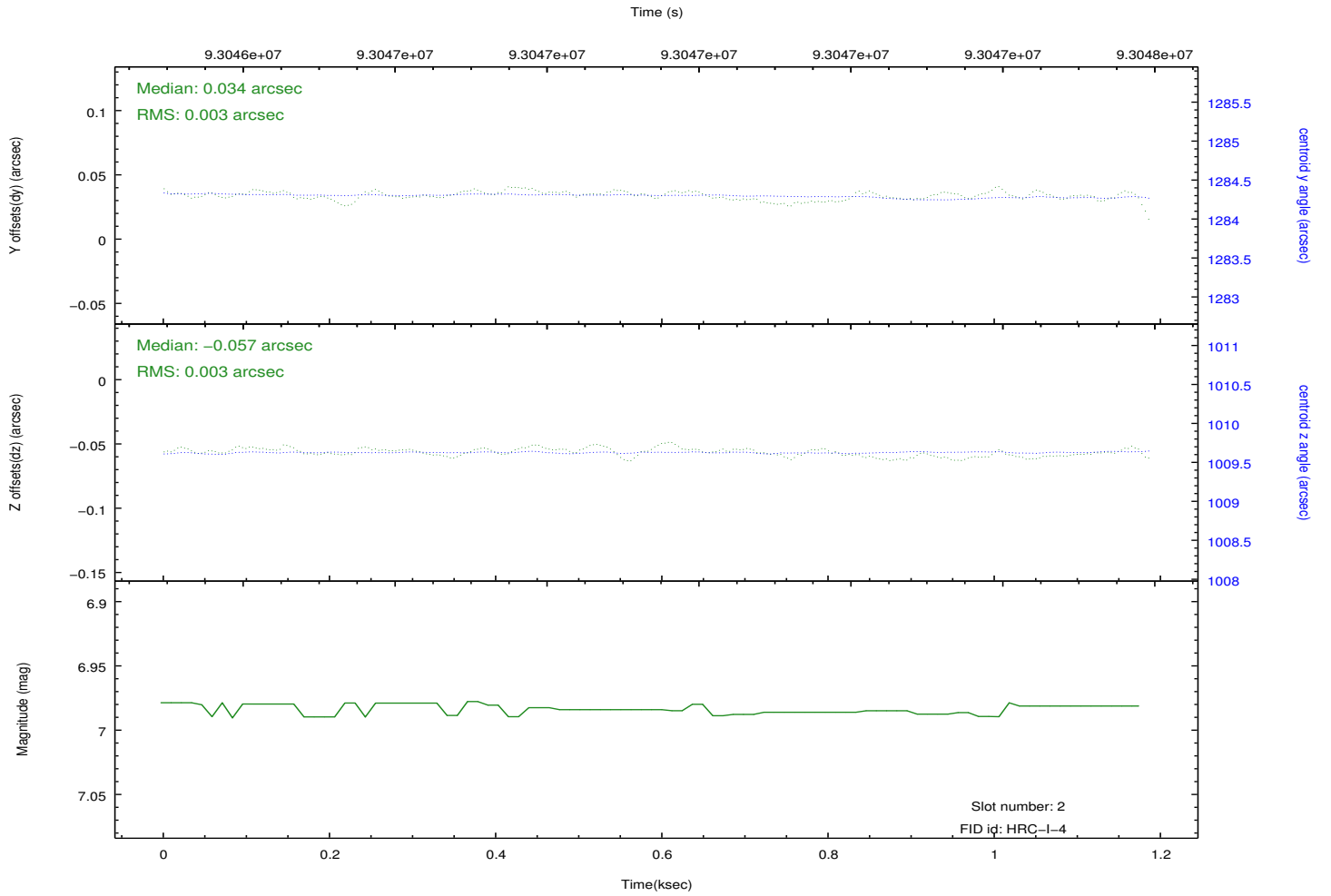
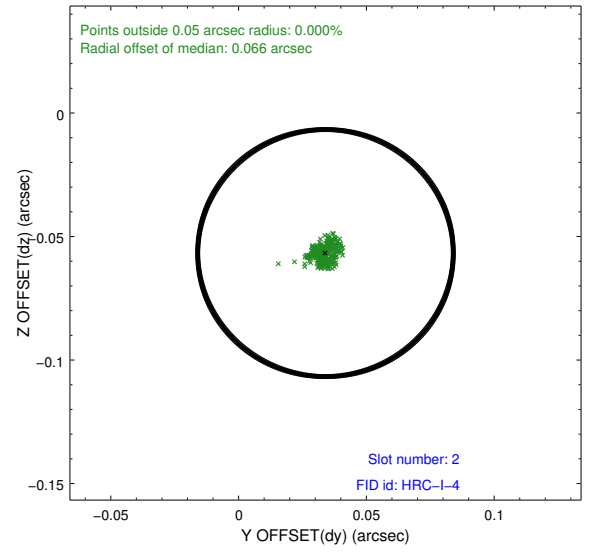
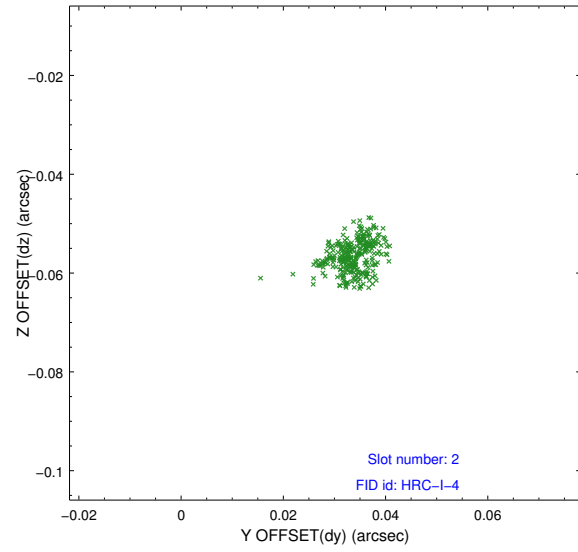
### 2.5.1 Slot 0



## 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	1.186

### **A.2 Comments**