

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2356 - L2 Version 5  
Chandra X-Ray Center

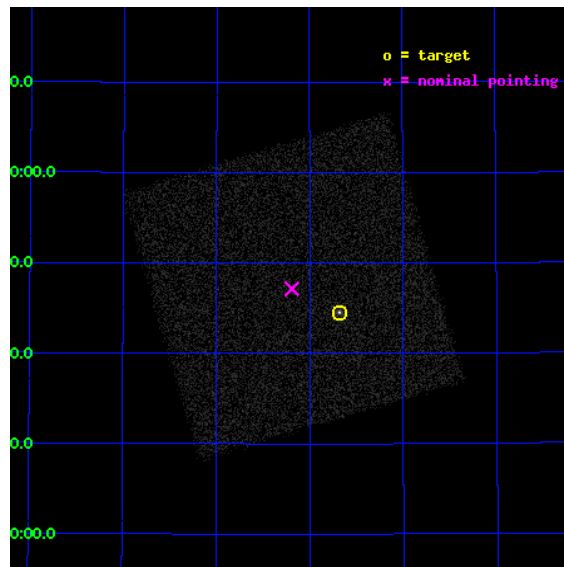
L2 Processing Date : Sep 4 2012

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# 1 Front

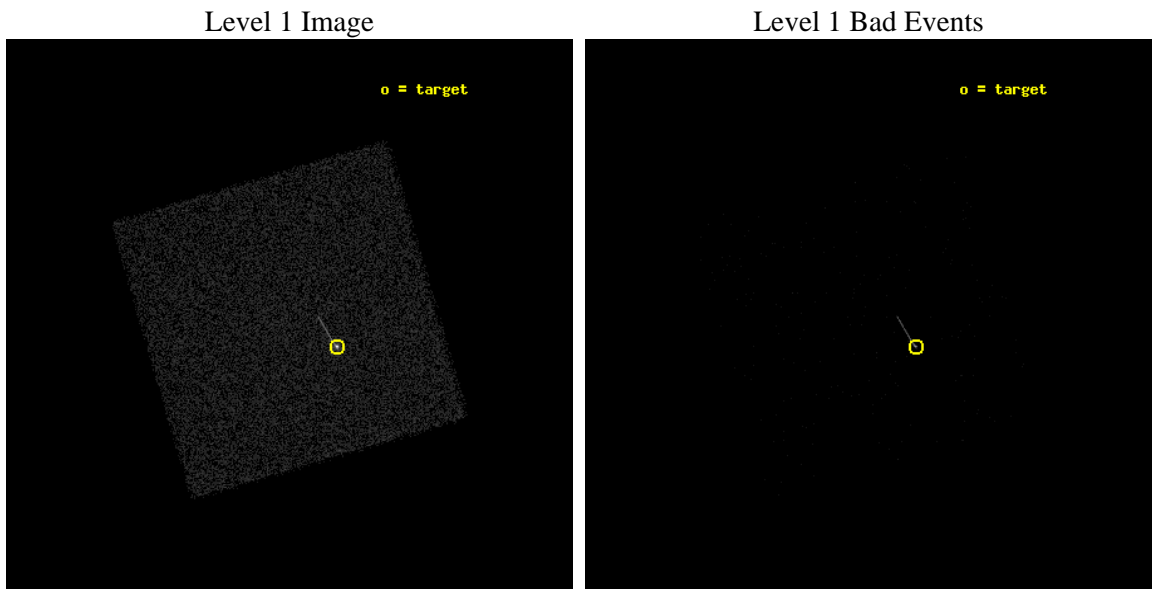
seq_num	290103	Sequence number
obs_id	2356	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-I,AO2A	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.29736396824	Nominal RA [deg]
dec_nom	45.785968979948	Nominal Dec [deg]
roll_nom	298.65012700528	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1198.481295839	[s]
livetime	1192.6008355966	Ontime multiplied by DTCOR
l2events	34223	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	1198.481295839	[s]
caldbver	4.5.1.1	&#160	l1events	59917	Number of level 1 events
date	2012-09-04T06:20:58	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

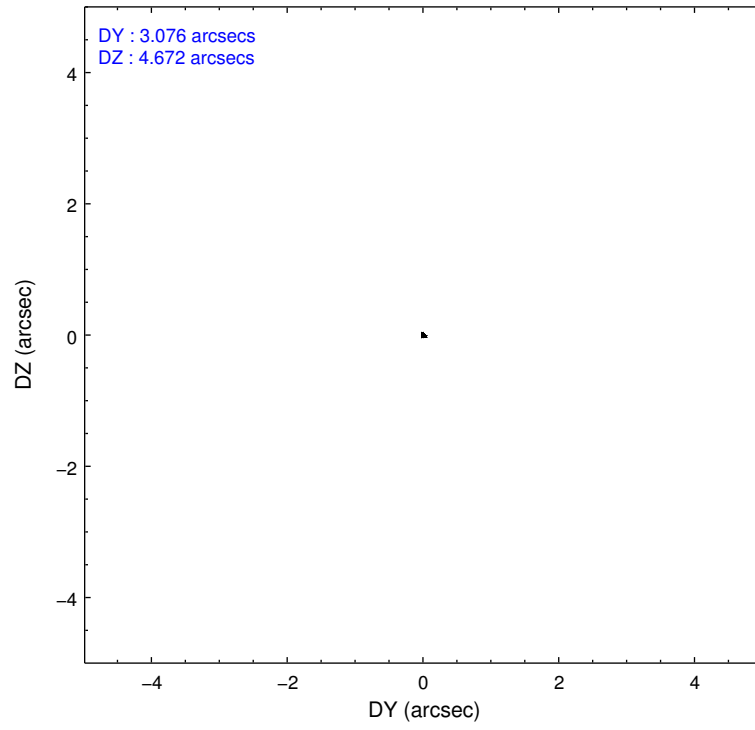
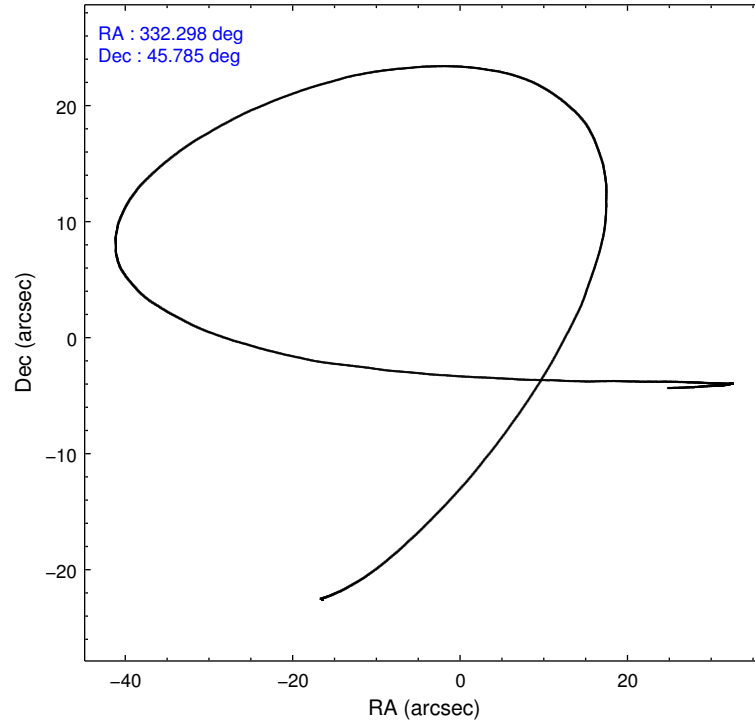
	<b>segment 0</b>
level 1 events	59917
rejected events	12252
rejected %	20%

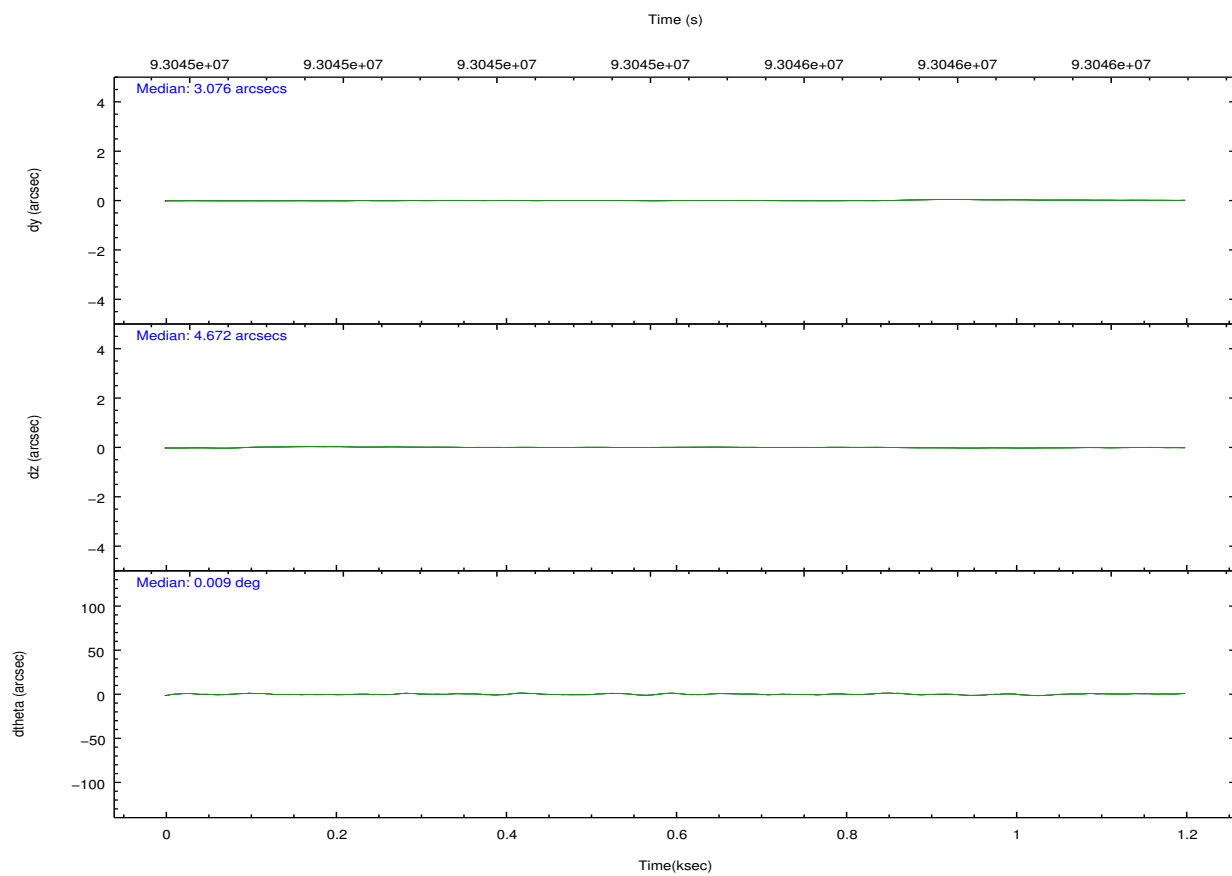
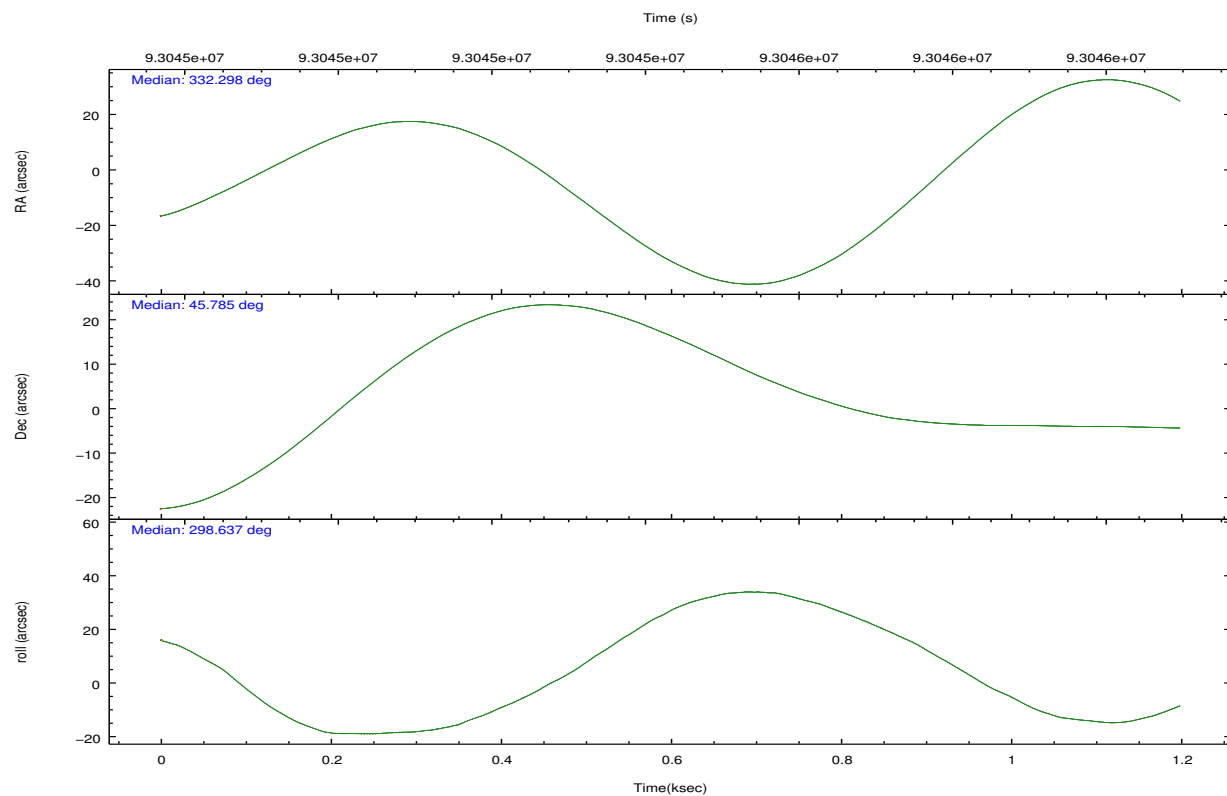
## 2.2 Compared Parameters

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	332.262587	332.2973639682396
[deg] Pointing Dec	45.799872	45.78596897994753
[deg] Pointing Roll	298.770581	298.6501270052848
[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)	93045031.184000	93044654.963146
Observation start date	2000-12-12T21:49:27	2000-12-12T21:44:14
[s] Observation end time (MET)	93046031.184000	93046164.788204
Observation end date	2000-12-12T22:06:07	2000-12-12T22:09:24

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

## 2.3 Aspect





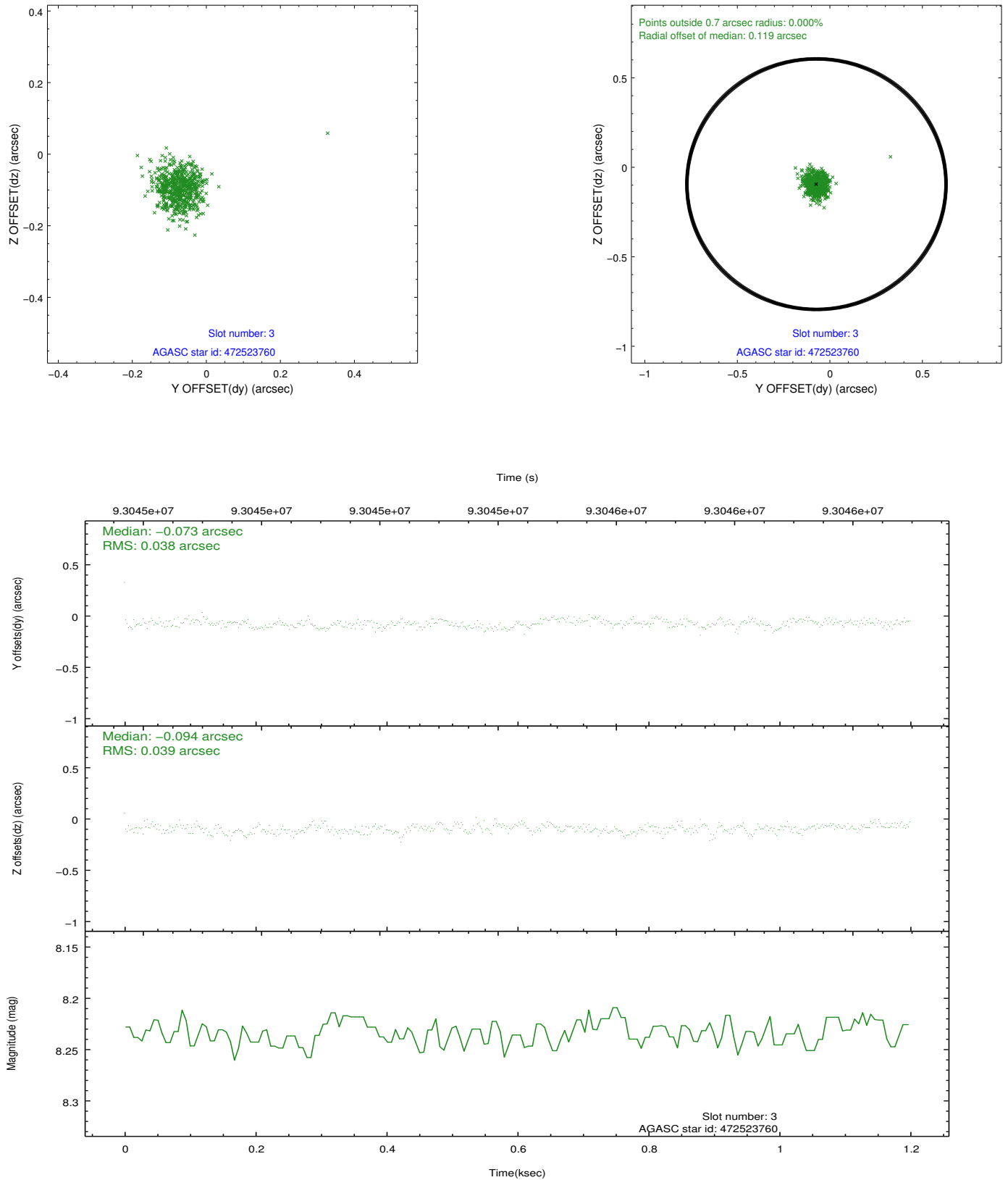
### Slot Statistics

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	293	0.047	0.065	0.006	0.010	0.000000	0.000000	-758.52	-1292.43
1	FID	HRC-I-3	7.05	293	0.030	-0.098	0.006	0.011	0.000000	0.000000	-1189.60	1007.56
2	FID	HRC-I-4	6.99	293	0.037	-0.056	0.005	0.008	0.000000	0.000000	1280.22	1013.04
3	GUIDE	472523760	8.23	586	-0.073	-0.094	0.055	0.091	331.645363	45.403260	494.11	-2054.86
4	GUIDE	472665256	9.01	586	-0.095	-0.046	0.069	0.109	332.808125	46.195041	-598.09	1871.87
5	GUIDE	472659832	9.46	586	0.038	0.095	0.101	0.163	332.780399	46.098139	-325.75	1652.07
6	GUIDE	472654568	9.44	586	0.097	-0.018	0.124	0.199	332.194449	45.063576	2238.21	-1427.43
7	GUIDE	472655152	9.43	585	0.035	0.050	0.085	0.143	332.504239	45.862991	93.70	635.46

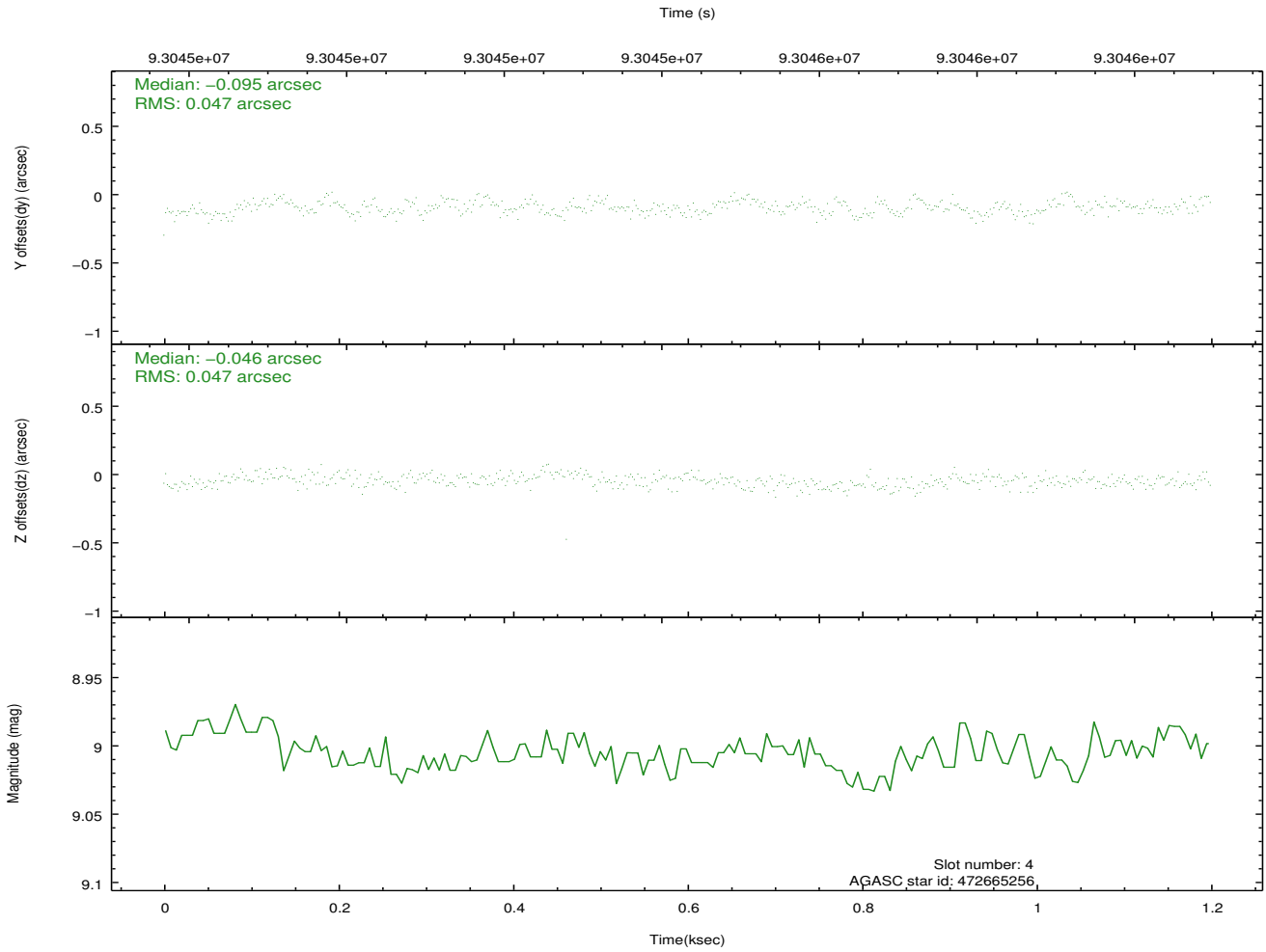
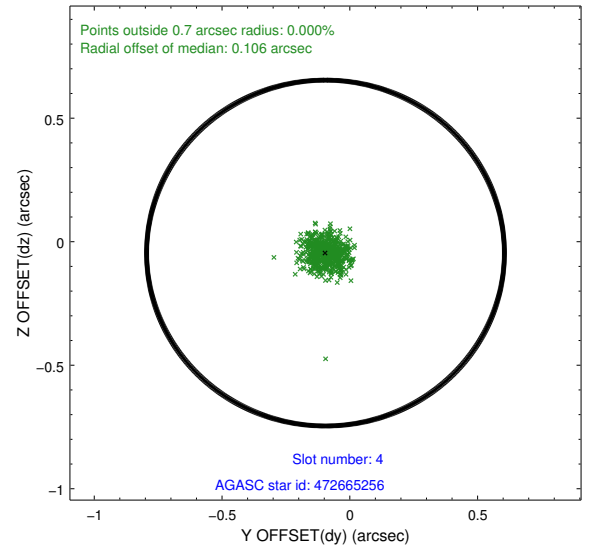
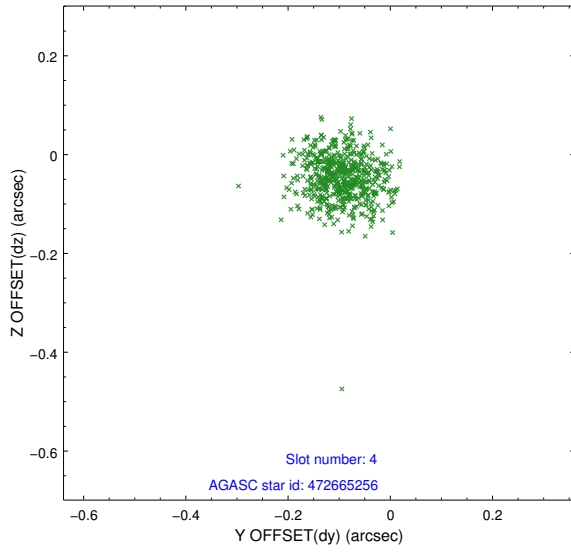


## 2.4 Star Slots

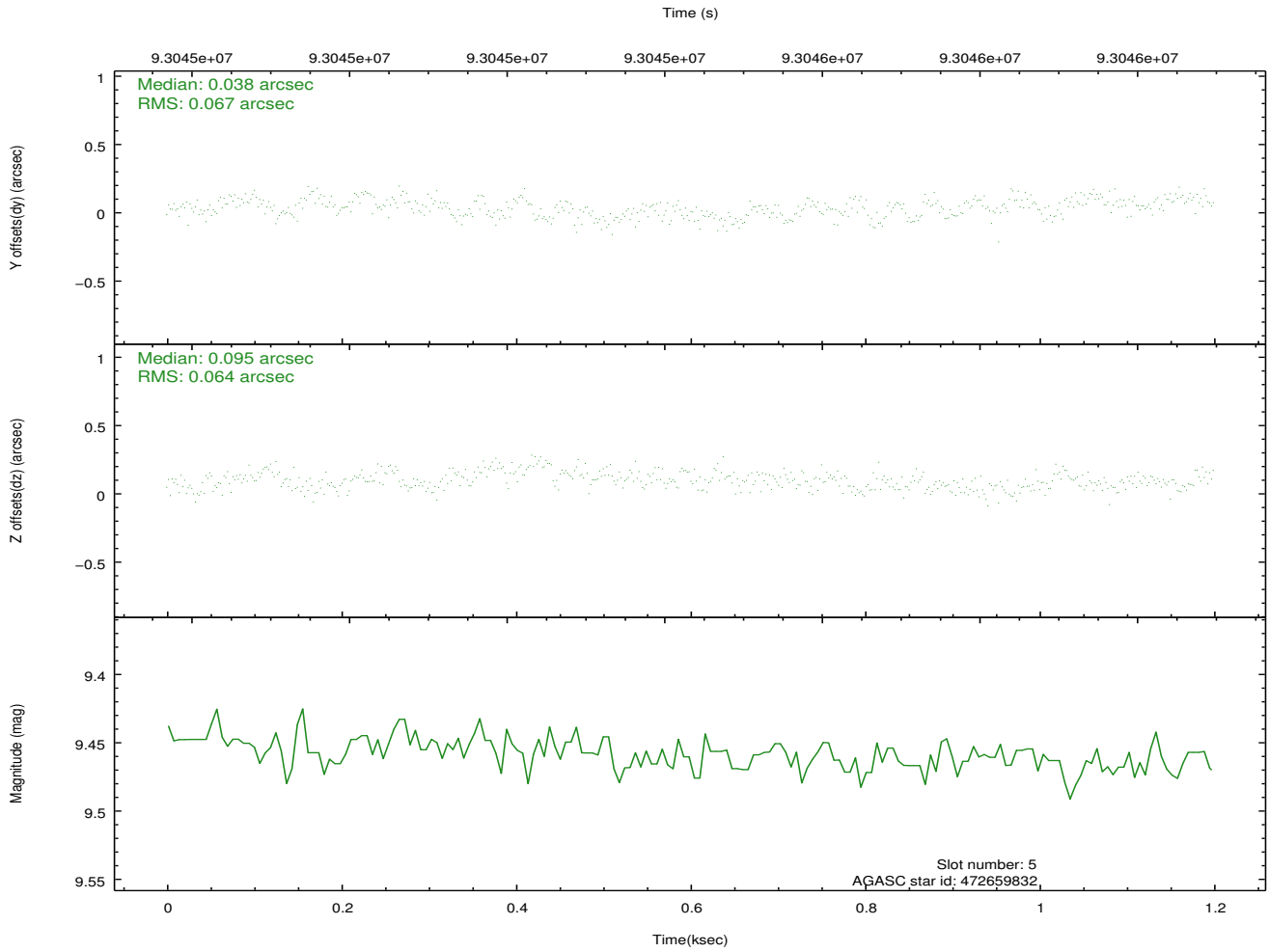
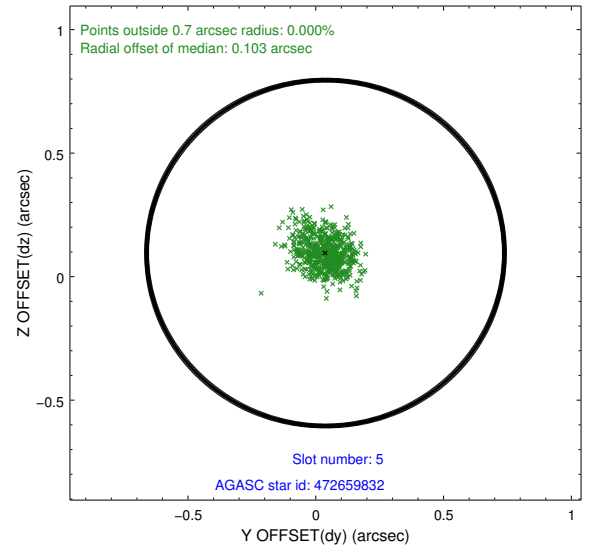
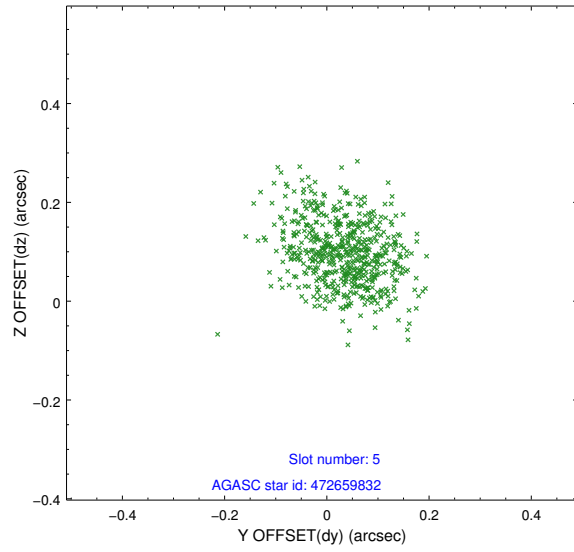
### 2.4.1 Slot 3



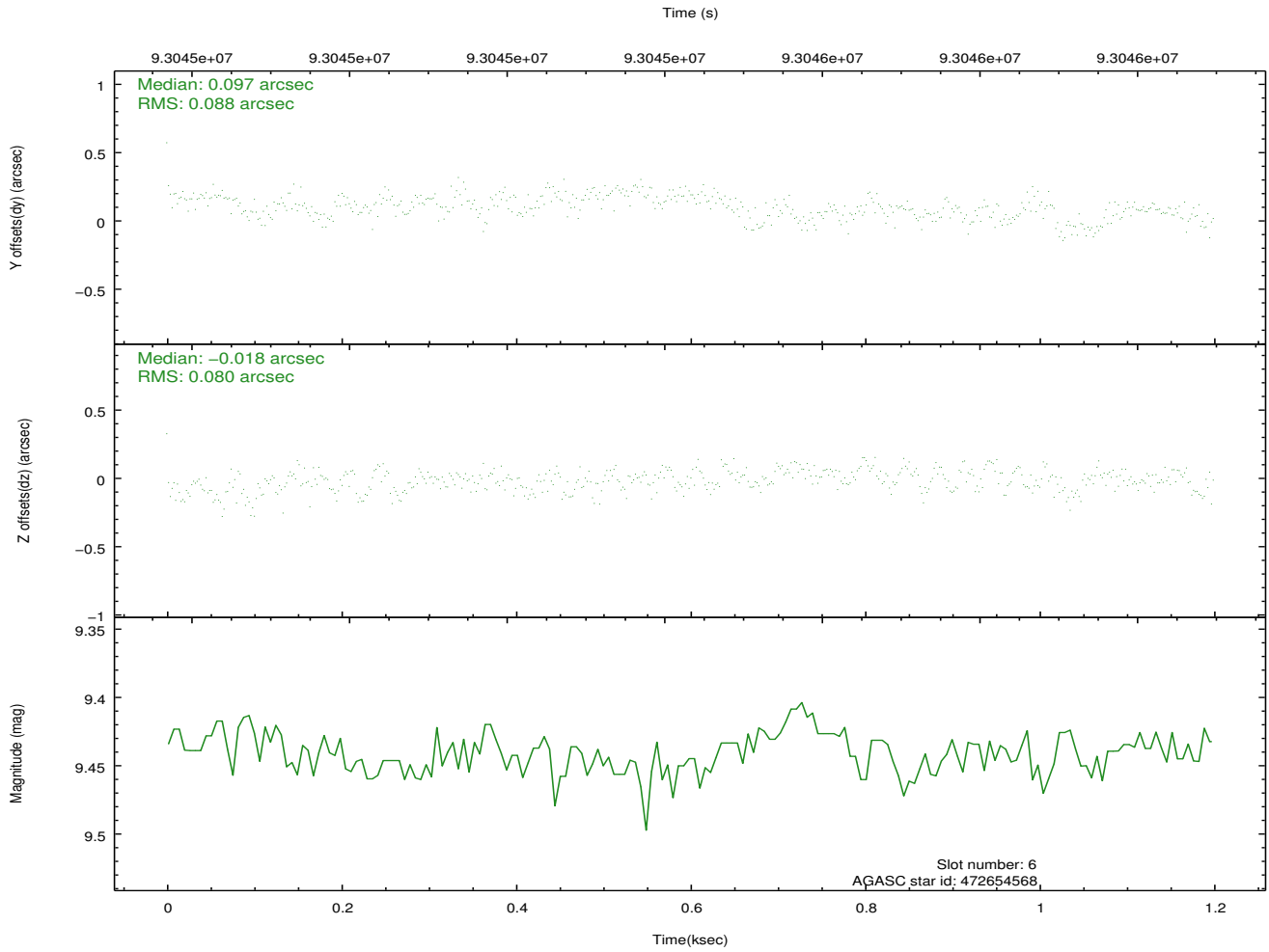
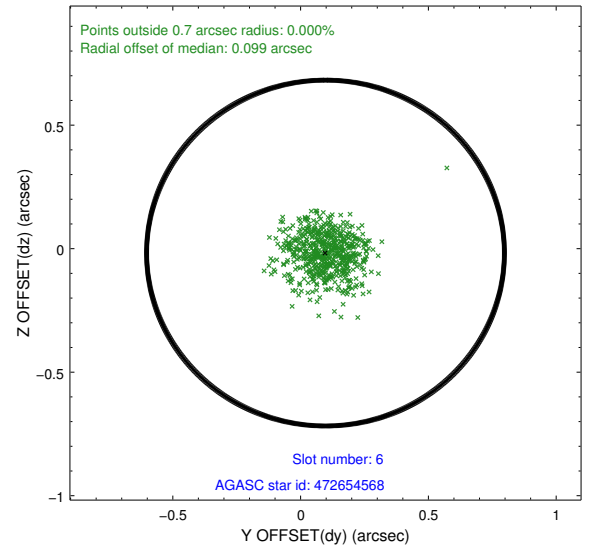
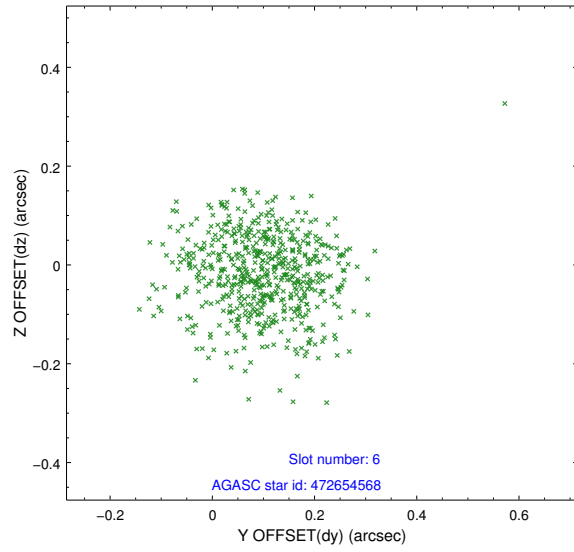
## 2.4.2 Slot 4



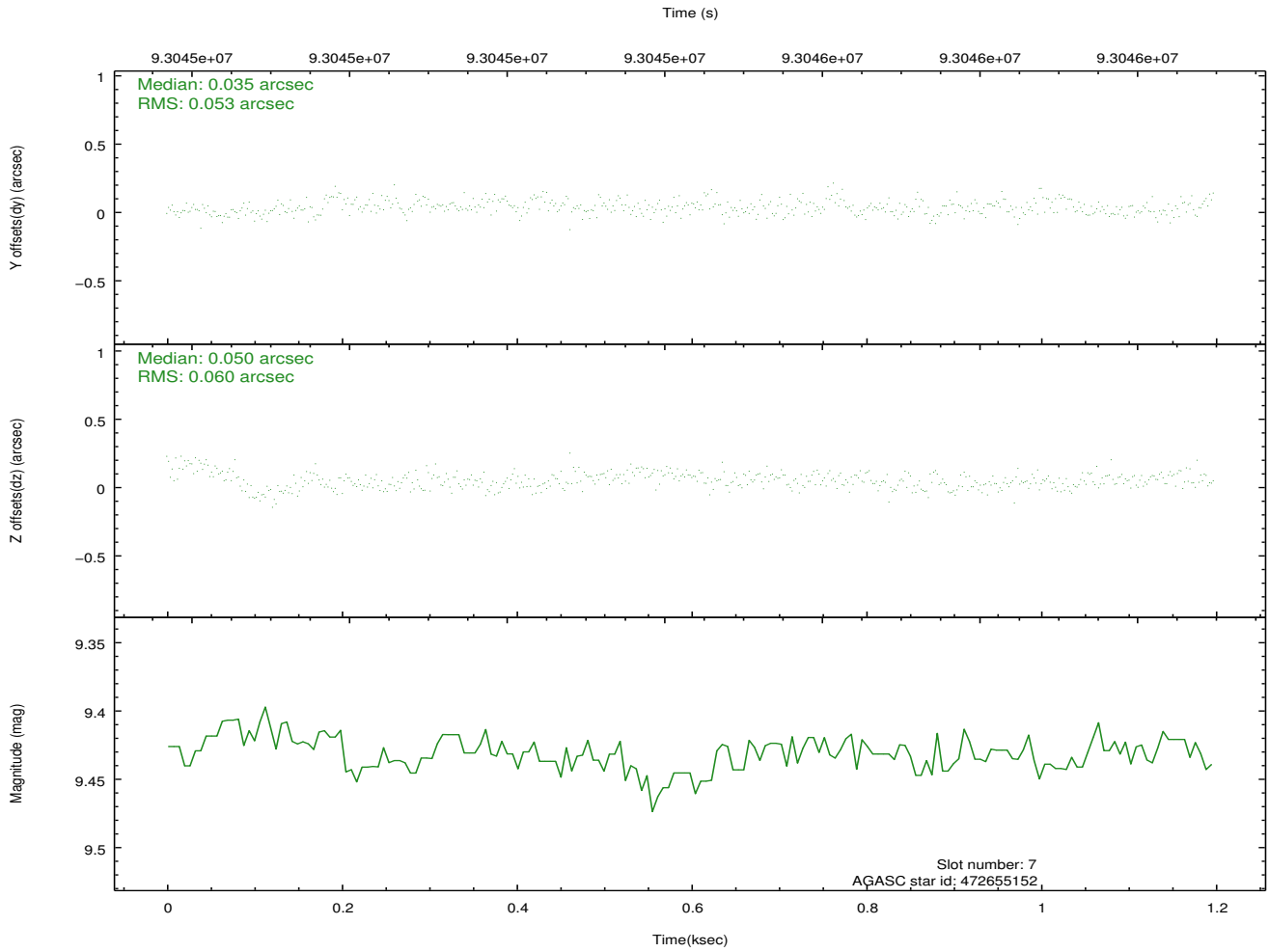
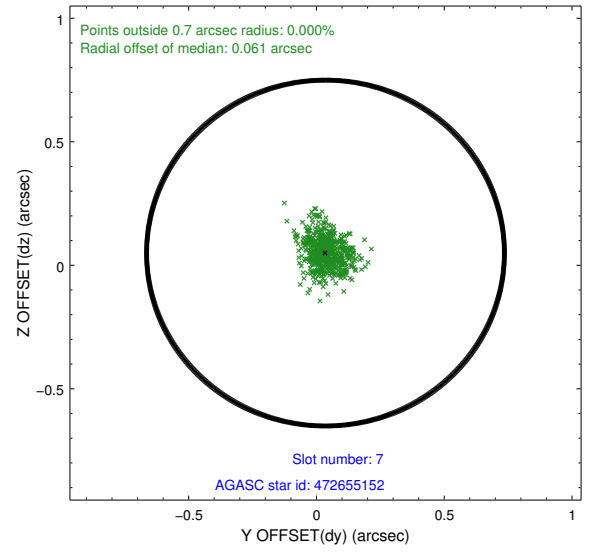
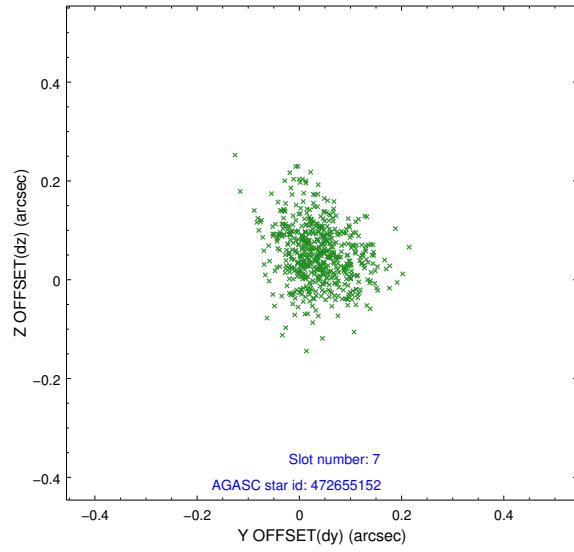
### 2.4.3 Slot 5



## 2.4.4 Slot 6

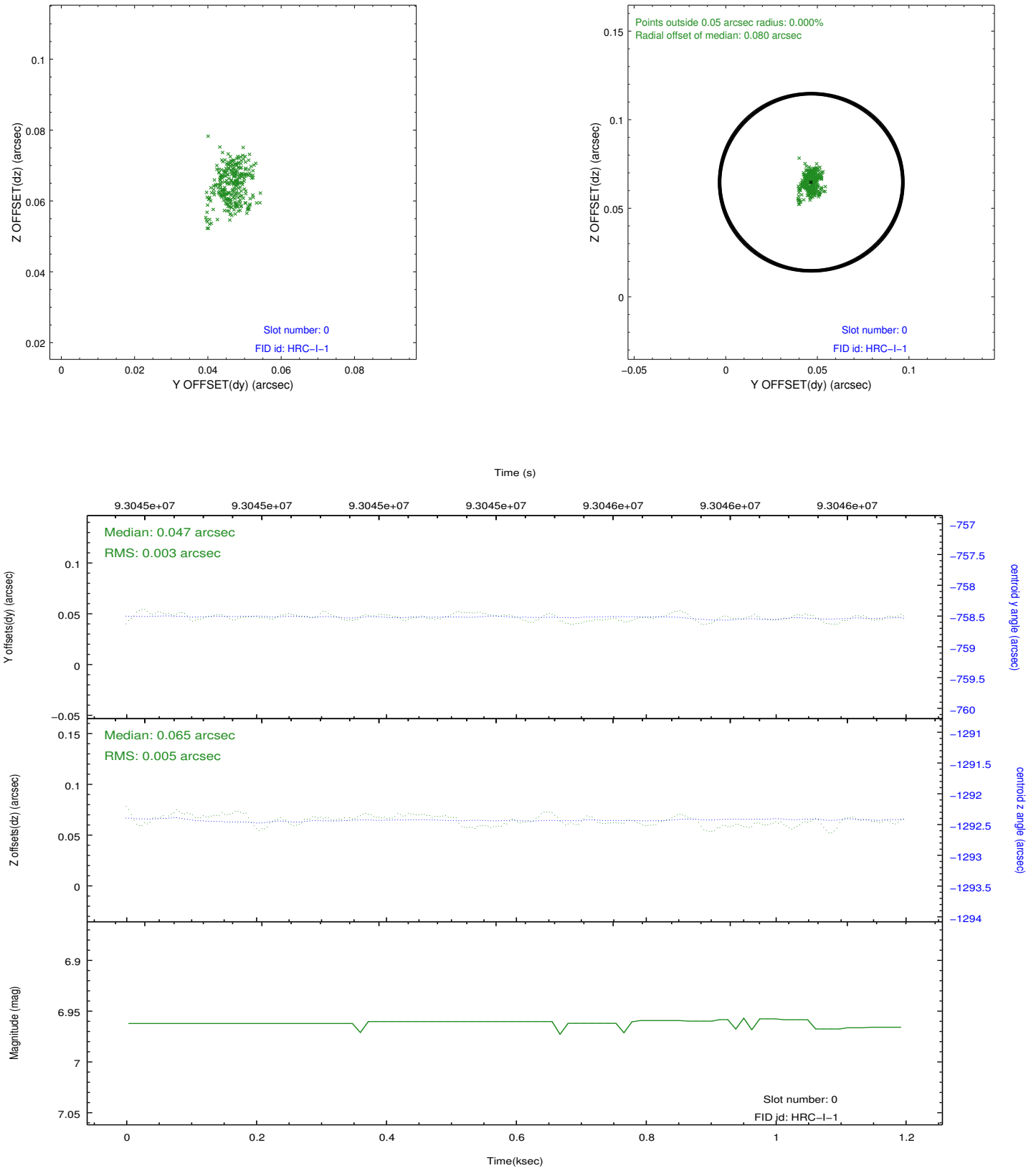


## 2.4.5 Slot 7

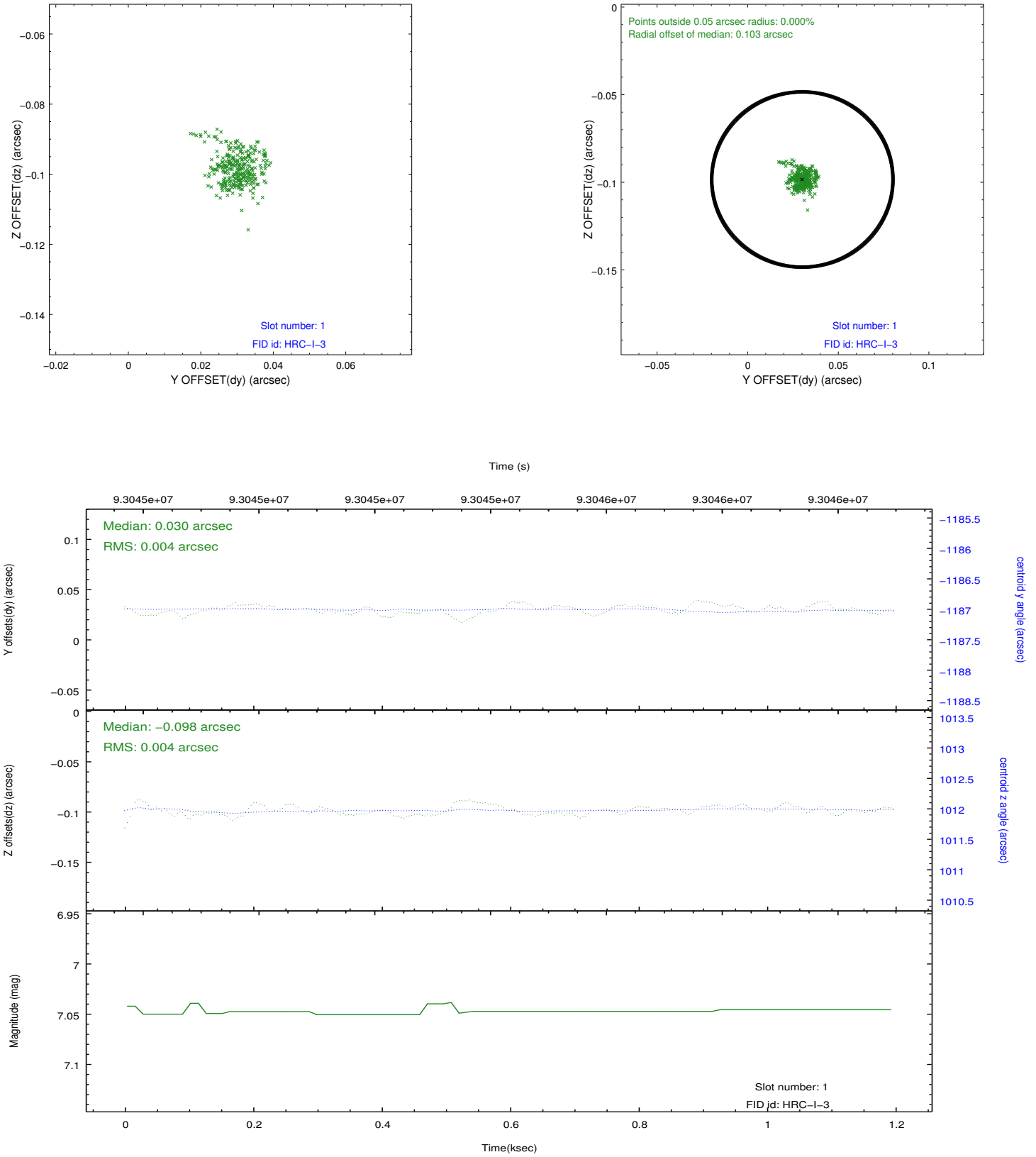


## 2.5 FID Slots

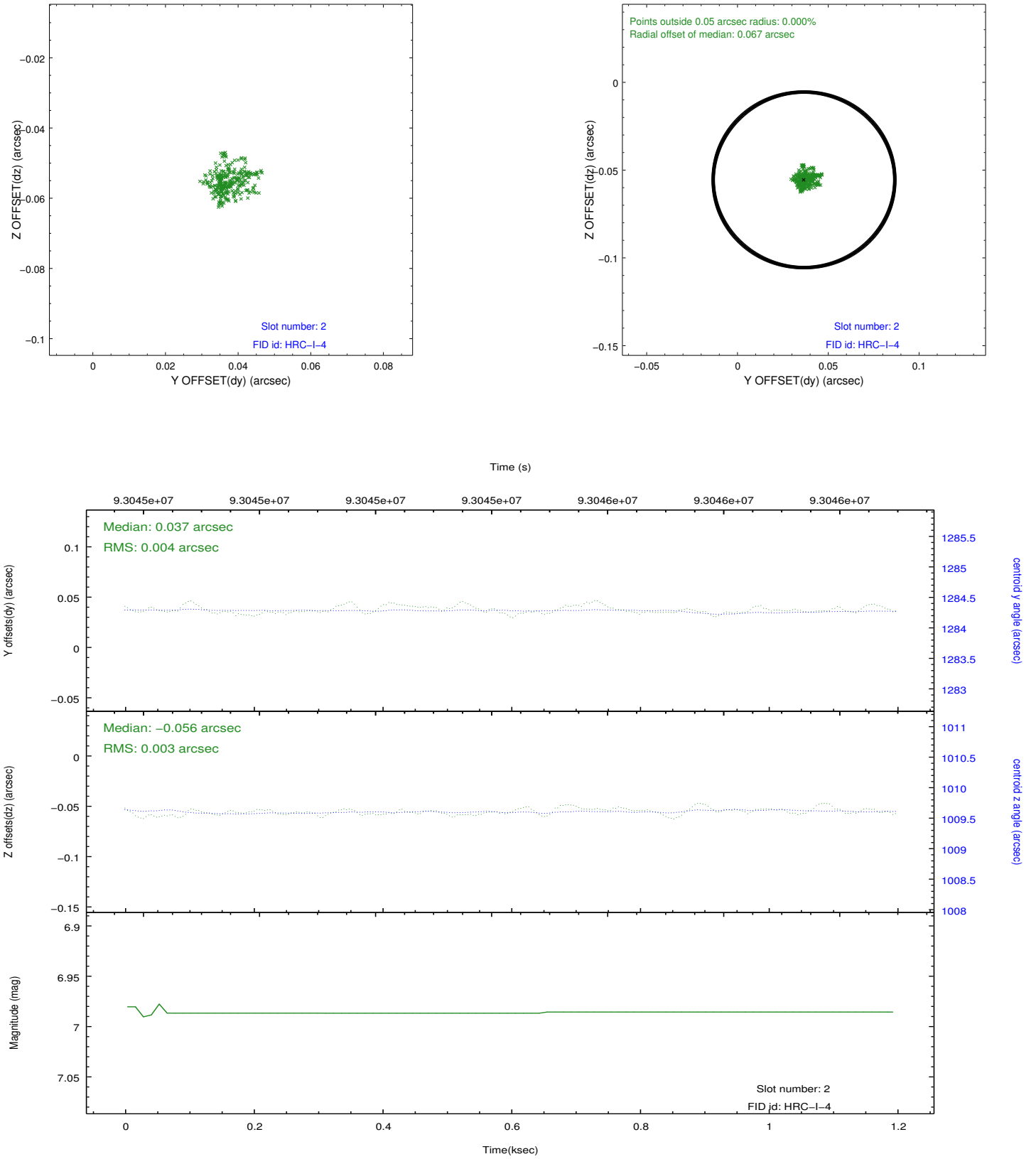
### 2.5.1 Slot 0



## 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	1.196

### A.2 Comments