

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2624 - L2 Version 4  
Chandra X-Ray Center

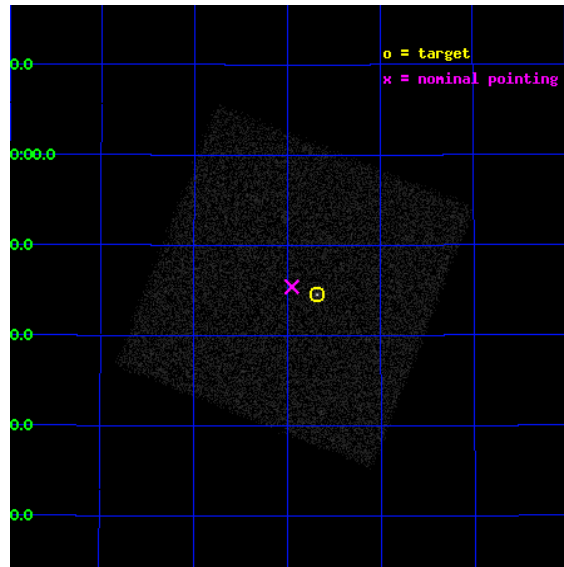
L2 Processing Date : Oct 1 2012

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# 1 Front

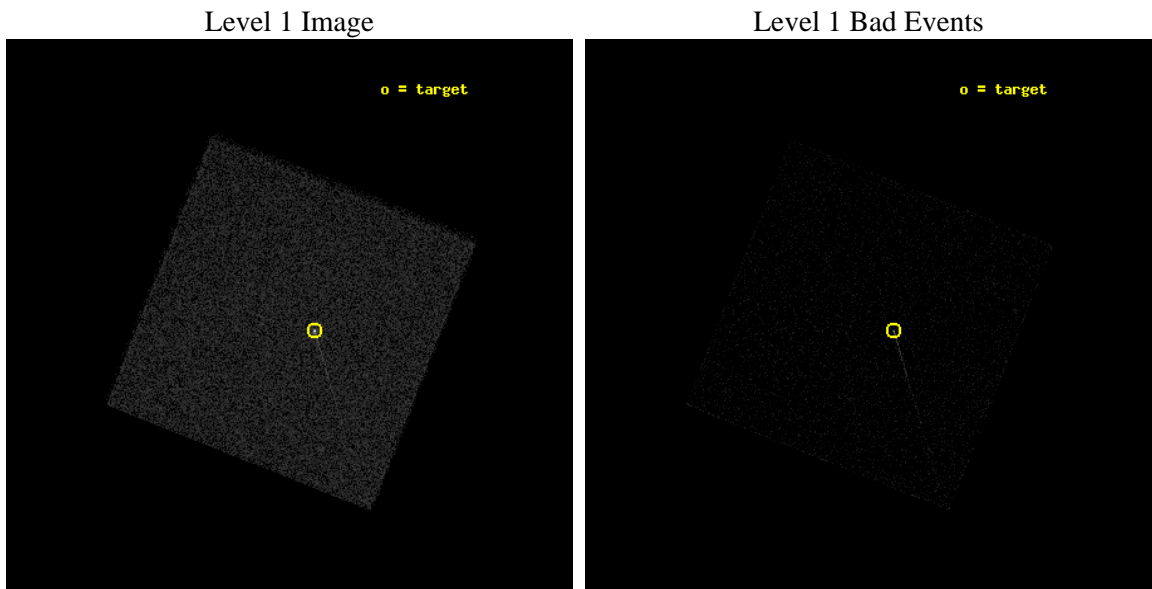
seq_num	290180	Sequence number
obs_id	2624	Observation id
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal tit
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.2375995244	Nominal RA [deg]
dec_nom	45.75673804899	Nominal Dec [deg]
roll_nom	336.63200315064	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1198.4812982976	[s]
livetime	1191.8036928184	Ontime multiplied by DTCOR
l2events	37626	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 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	1198.4812982976	[s]
caldbver	4.5.2	&#160	l1events	89871	Number of level 1 events
date	2012-10-01T03:14:25	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

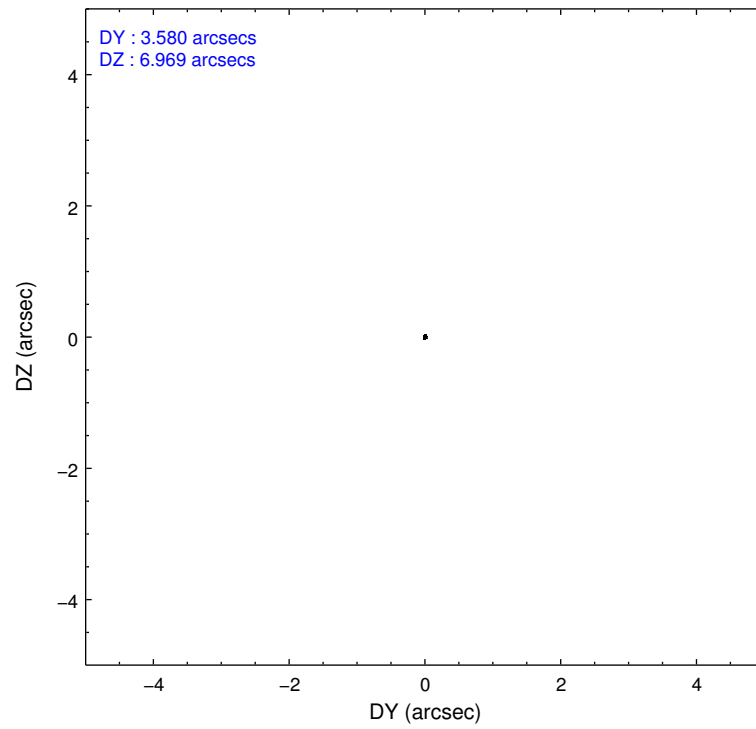
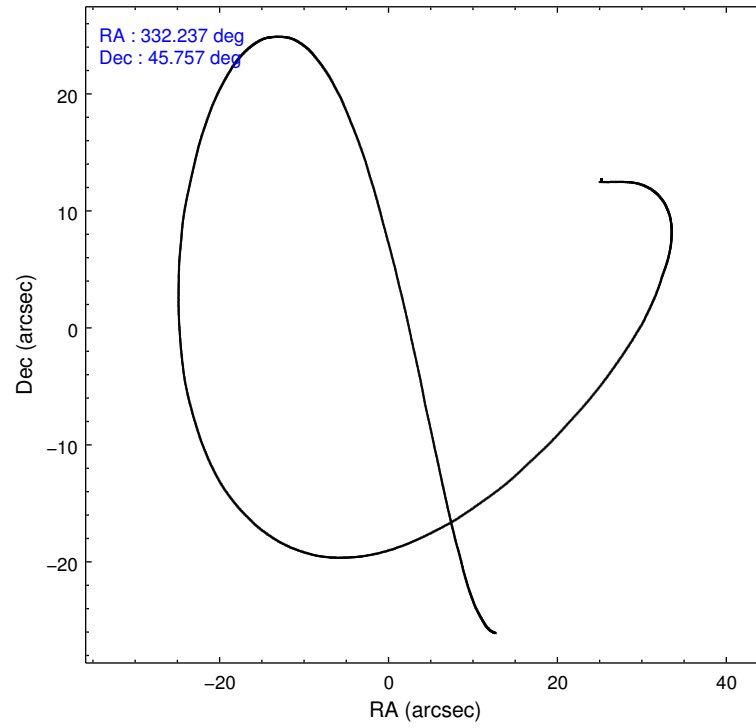
	<b>segment 0</b>
level 1 events	89871
rejected events	36082
rejected %	40%

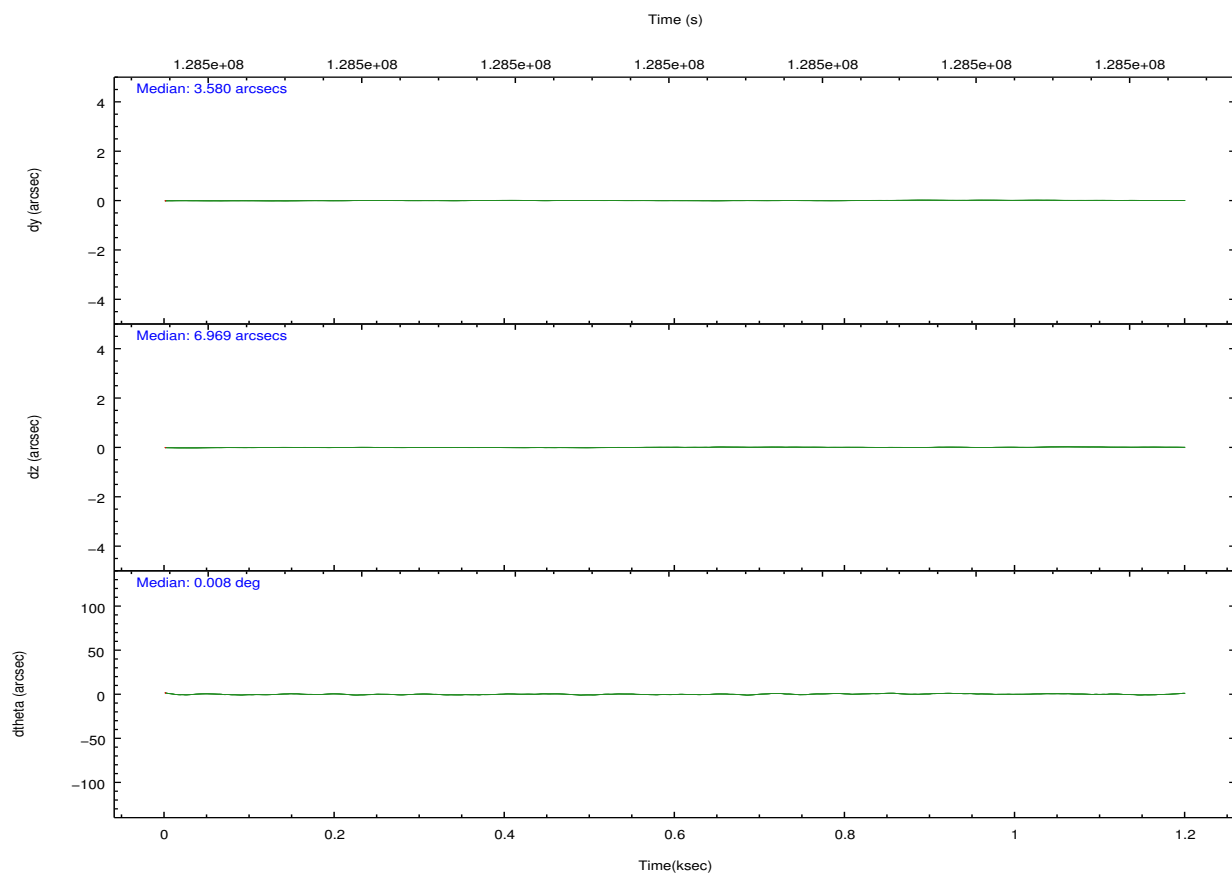
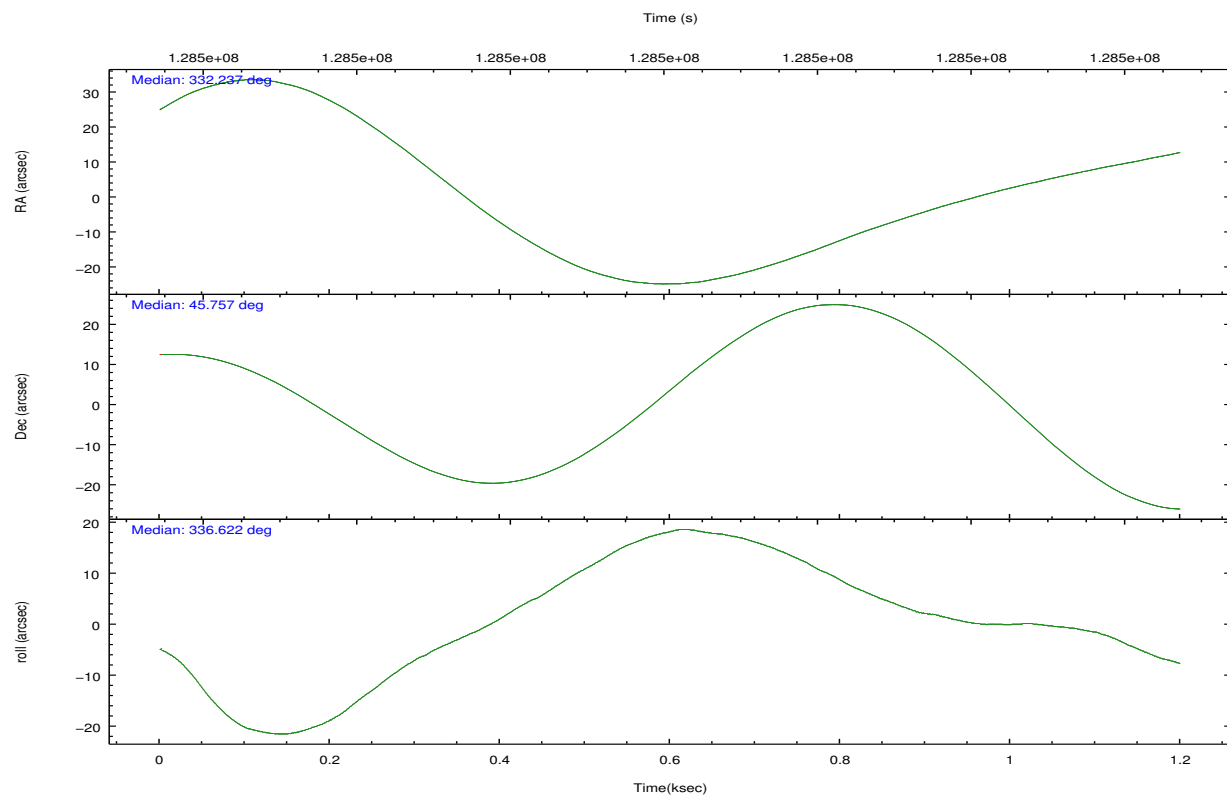
## 2.2 Compared Parameters

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	332.198421	332.2375995243988
[deg] Pointing Dec	45.753024	45.75673804898973
[deg] Pointing Roll	336.755541	336.6320031506386
[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)	128504009.184000	128503633.45329
Observation start date	2002-01-27T07:32:25	2002-01-27T07:27:13
[s] Observation end time (MET)	128505009.184000	128505697.29088
Observation end date	2002-01-27T07:49:05	2002-01-27T08:01:37

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

## 2.3 Aspect





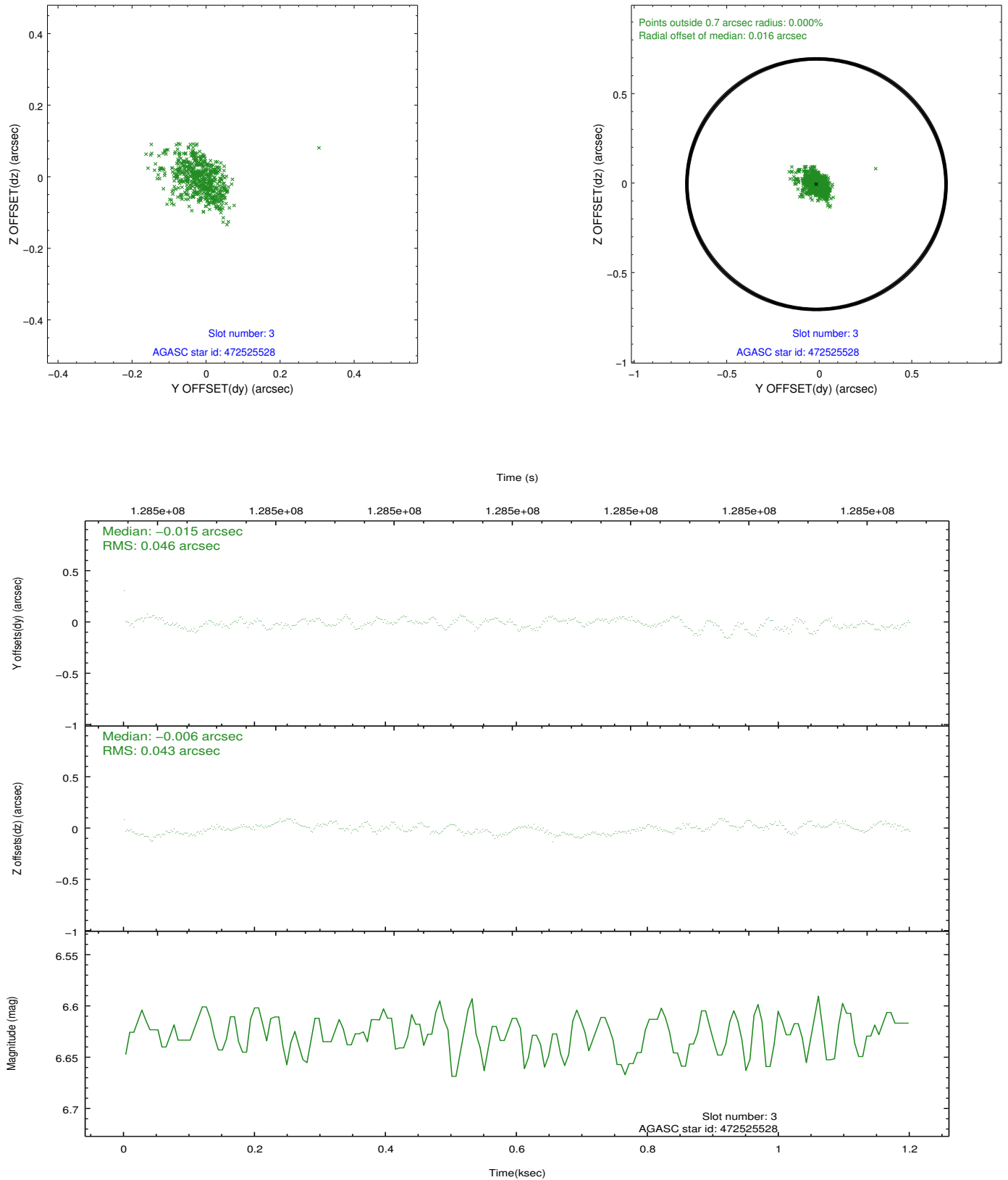
### Slot Statistics

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	0.028	0.032	0.006	0.010	0.000000	0.000000	-759.03	-1294.84
1	FID	HRC-I-2	7.00	293	0.077	-0.073	0.006	0.010	0.000000	0.000000	851.06	-1300.92
2	FID	HRC-I-3	7.05	293	0.014	-0.048	0.005	0.010	0.000000	0.000000	-1184.65	1005.20
3	GUIDE	472525528	6.63	586	-0.015	-0.006	0.065	0.111	331.551102	45.248694	-794.51	-2310.97
4	GUIDE	472523760	8.23	586	-0.045	-0.102	0.075	0.122	331.645363	45.403260	-791.86	-1709.61
5	GUIDE	472665256	9.01	584	-0.035	0.012	0.111	0.239	332.808125	46.195041	762.69	2063.09
6	GUIDE	472659832	9.48	586	0.102	0.094	0.128	0.198	332.780399	46.098139	842.26	1722.37
7	GUIDE	472654568	9.44	584	0.002	0.014	0.117	0.191	332.194449	45.063576	970.83	-2282.64

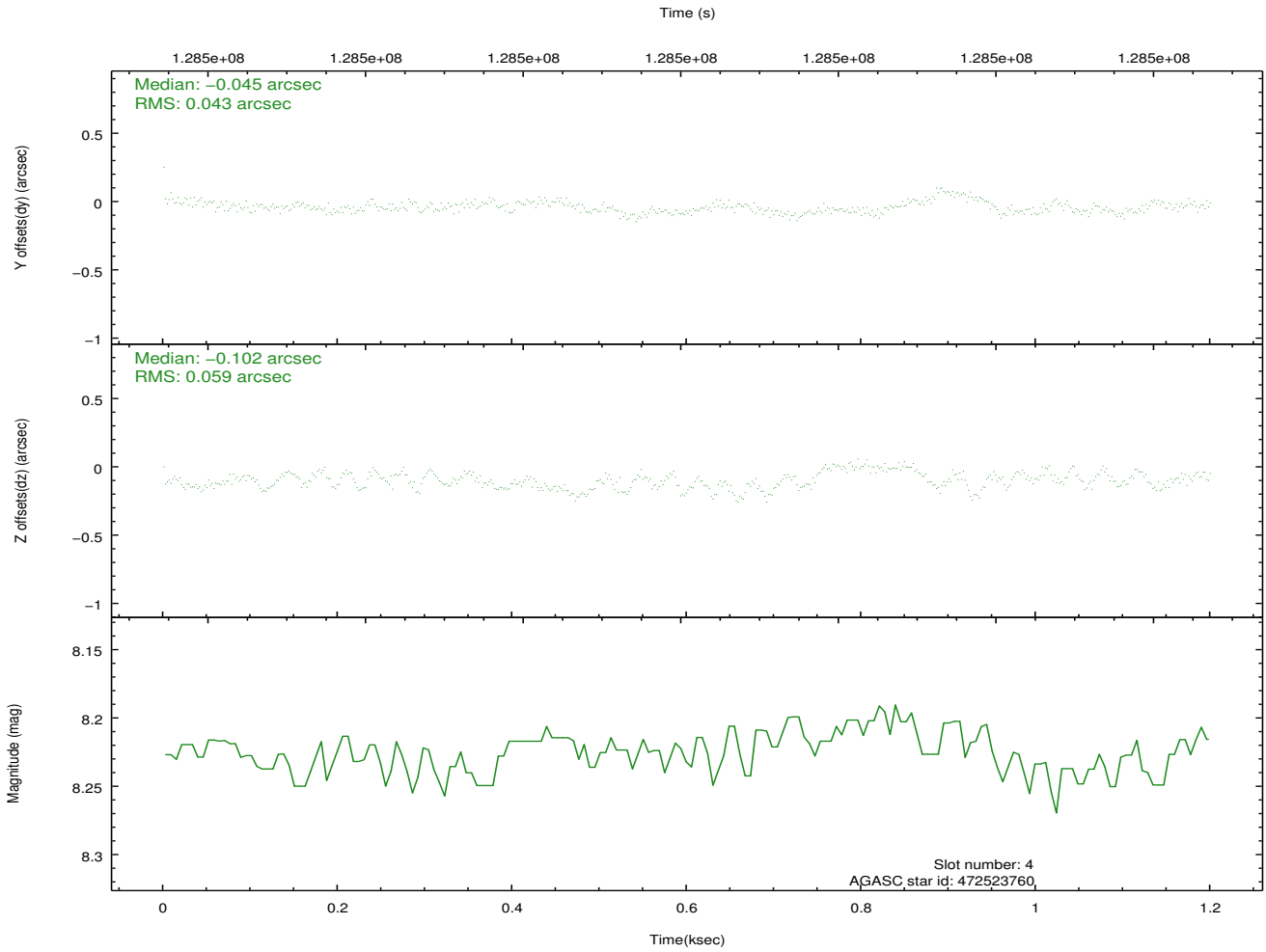
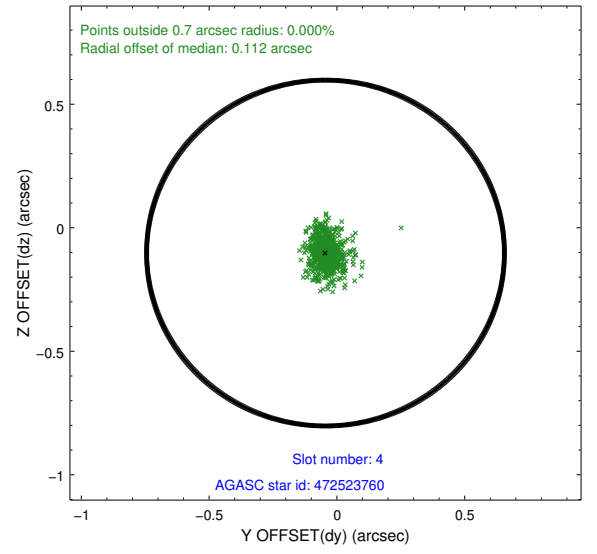
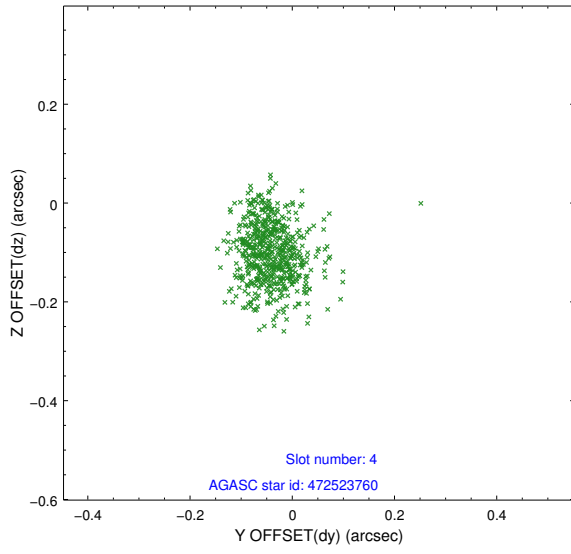


## 2.4 Star Slots

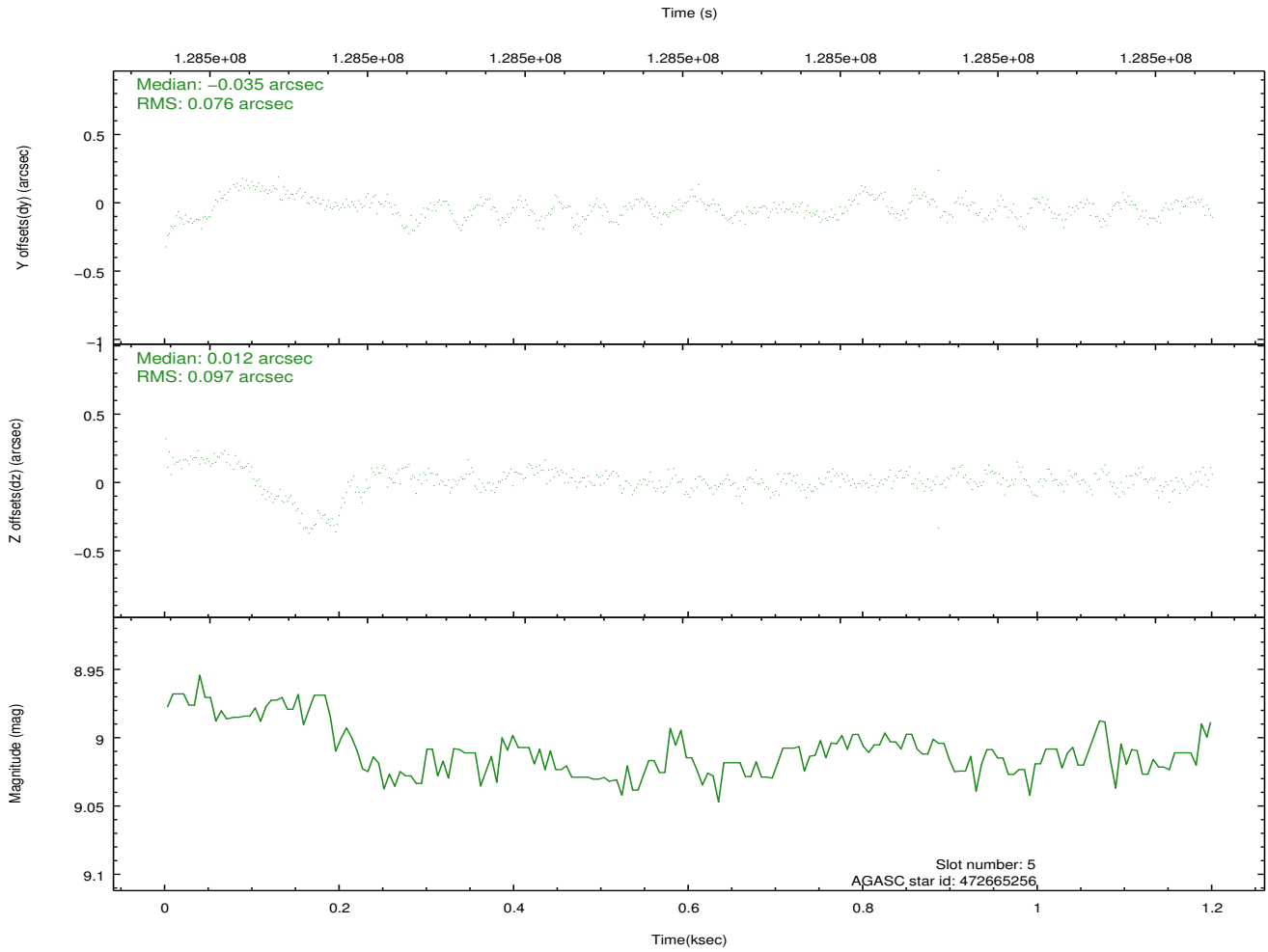
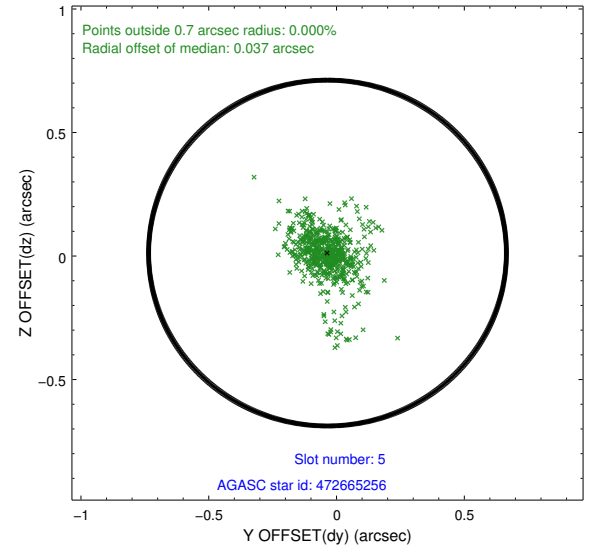
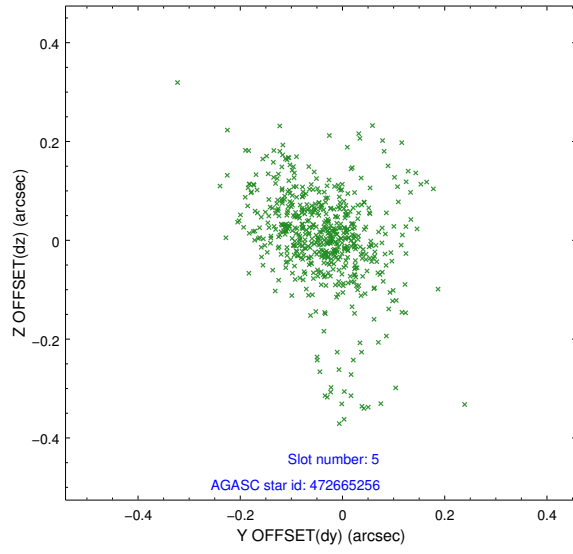
### 2.4.1 Slot 3



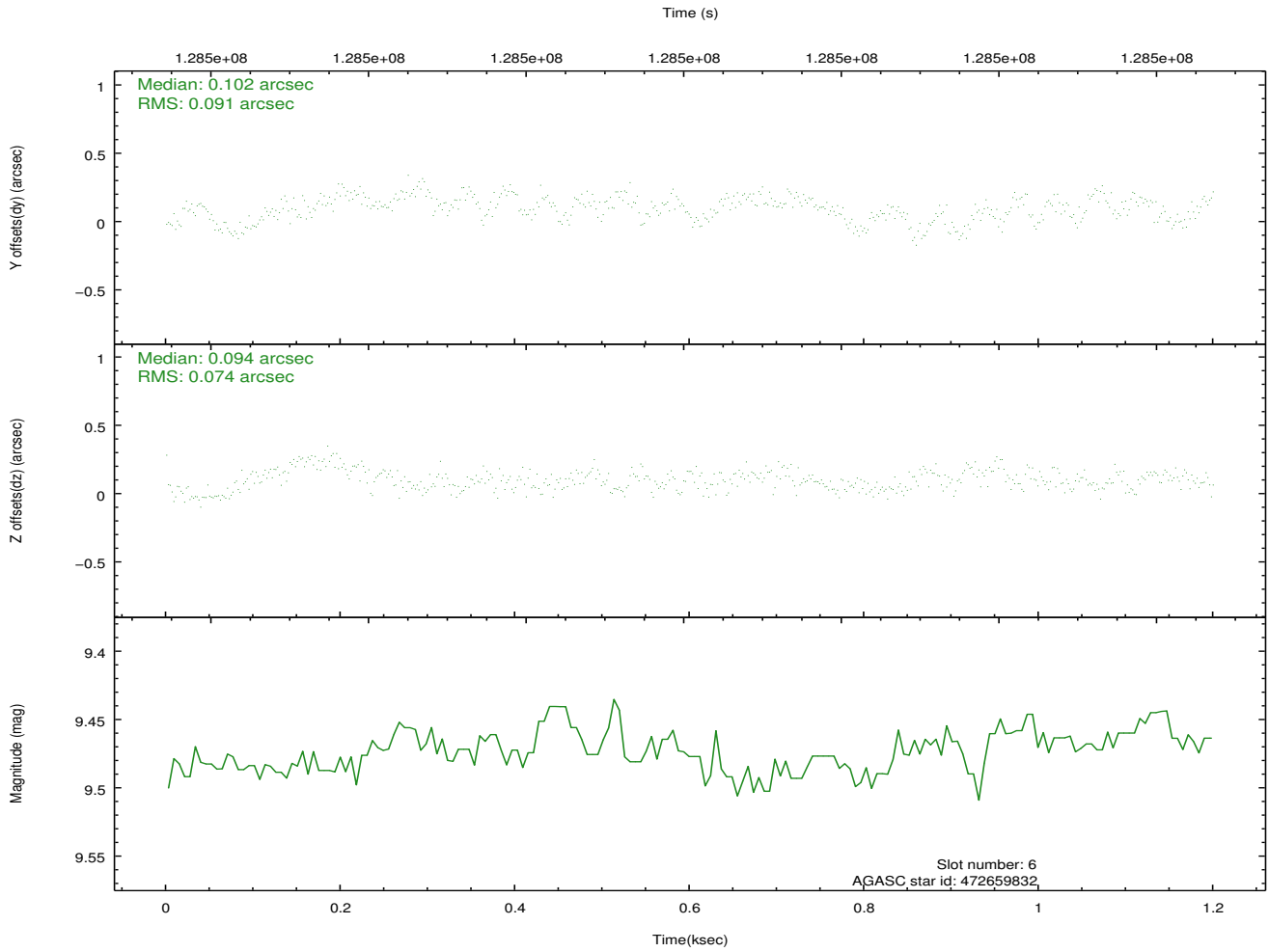
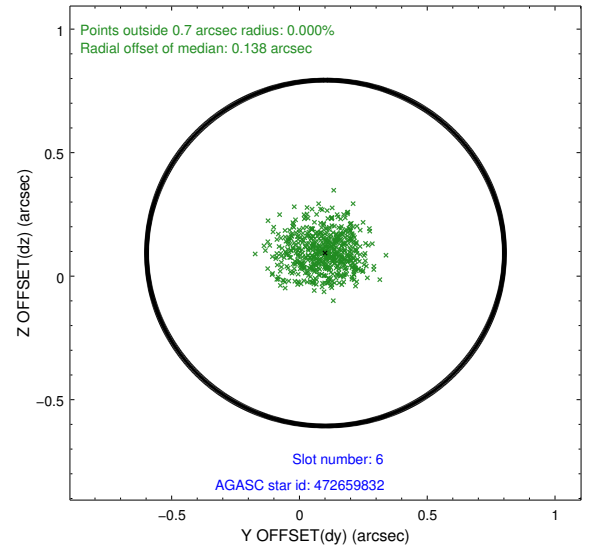
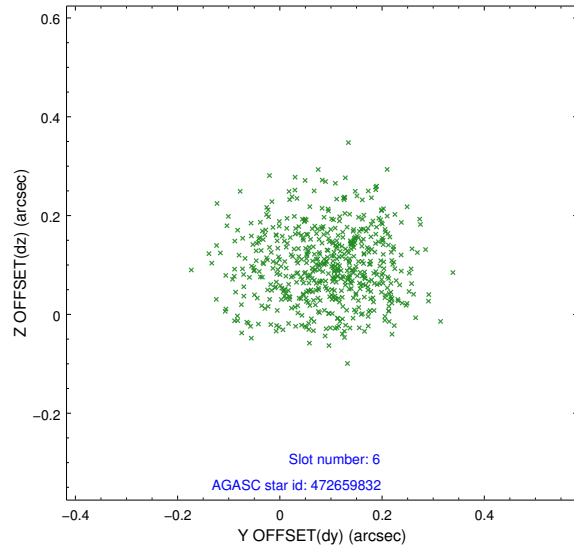
## 2.4.2 Slot 4



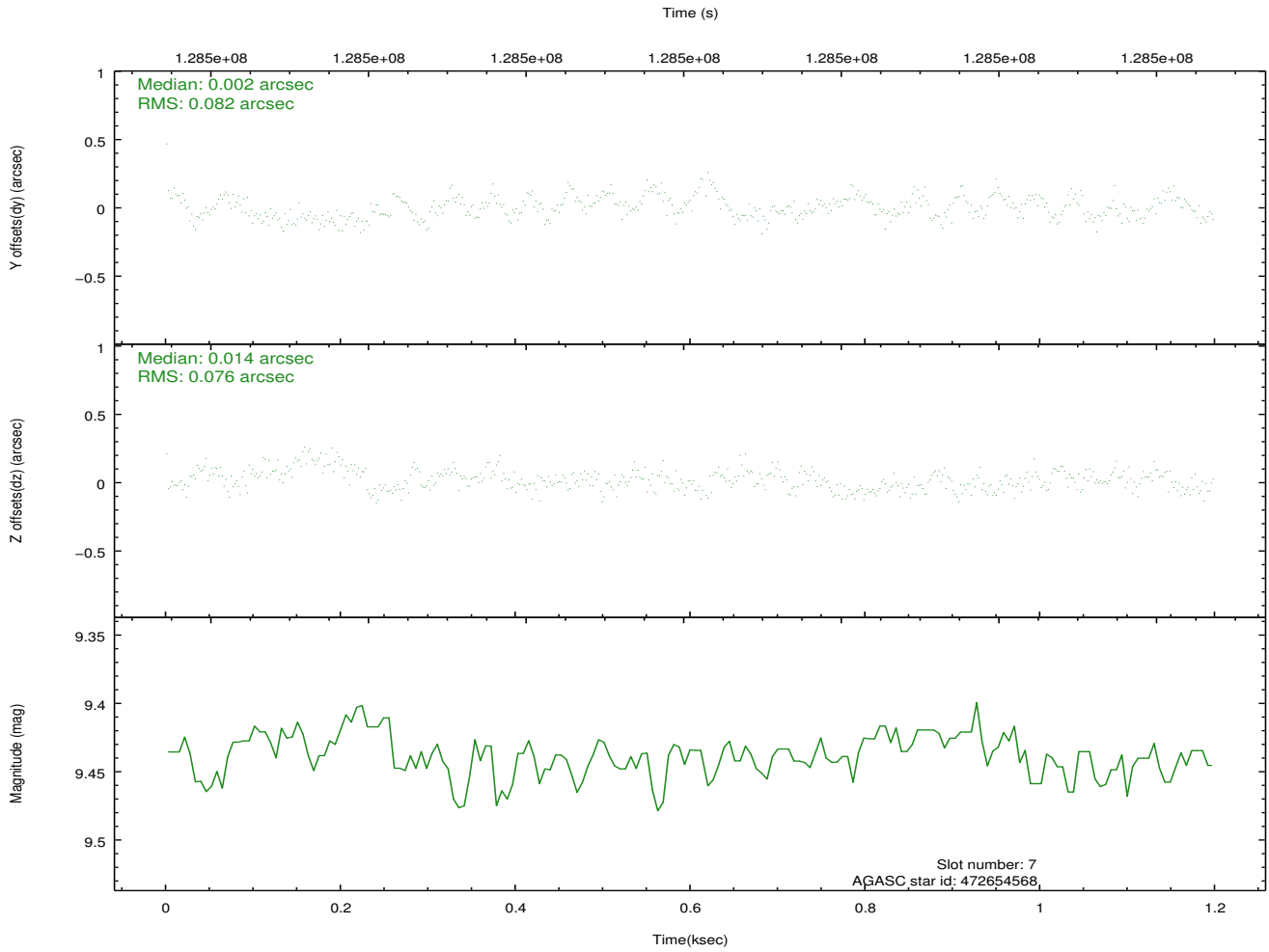
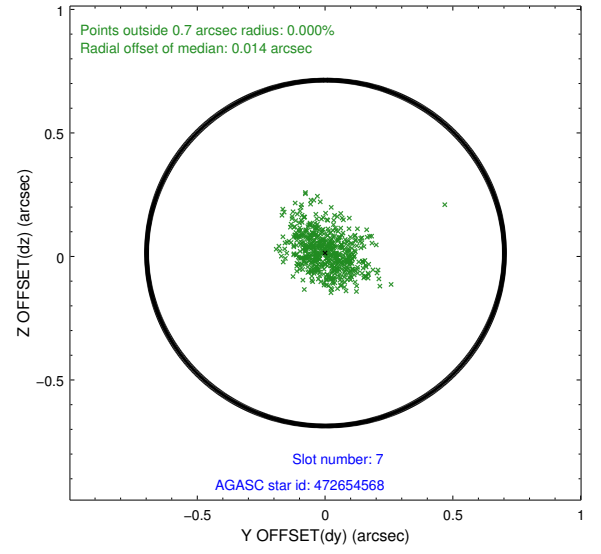
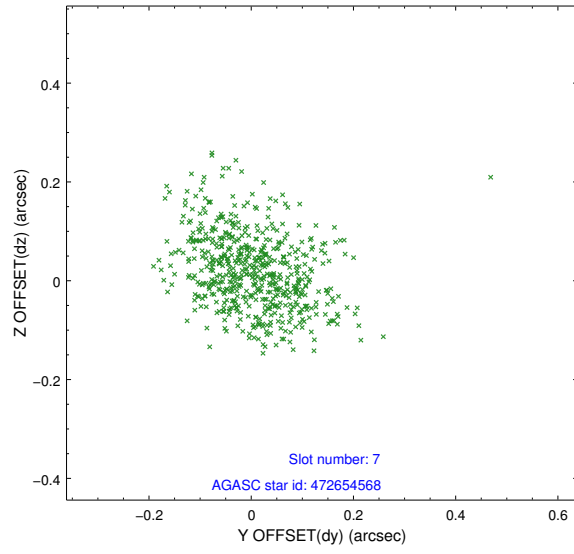
### 2.4.3 Slot 5



## 2.4.4 Slot 6

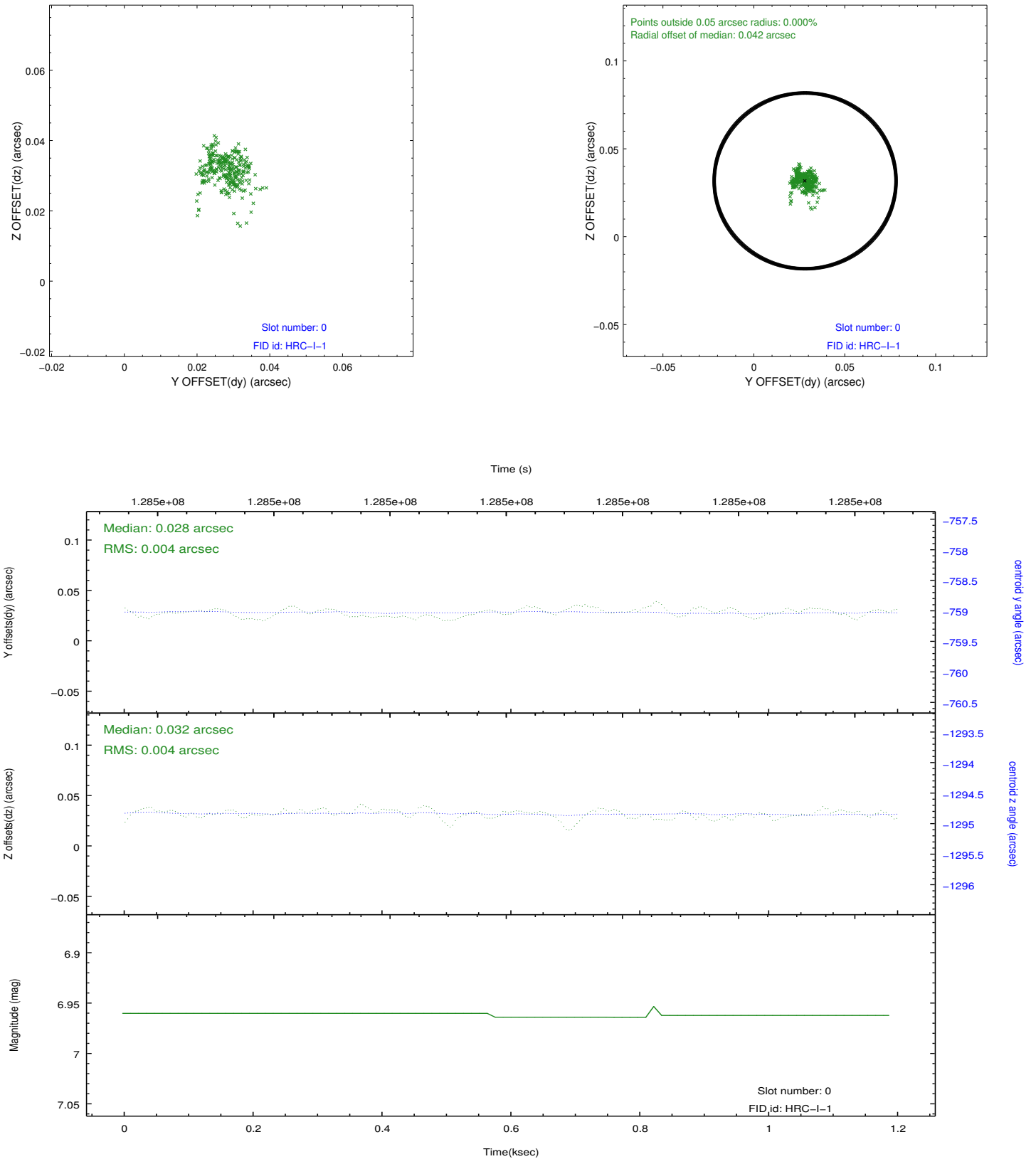


## 2.4.5 Slot 7

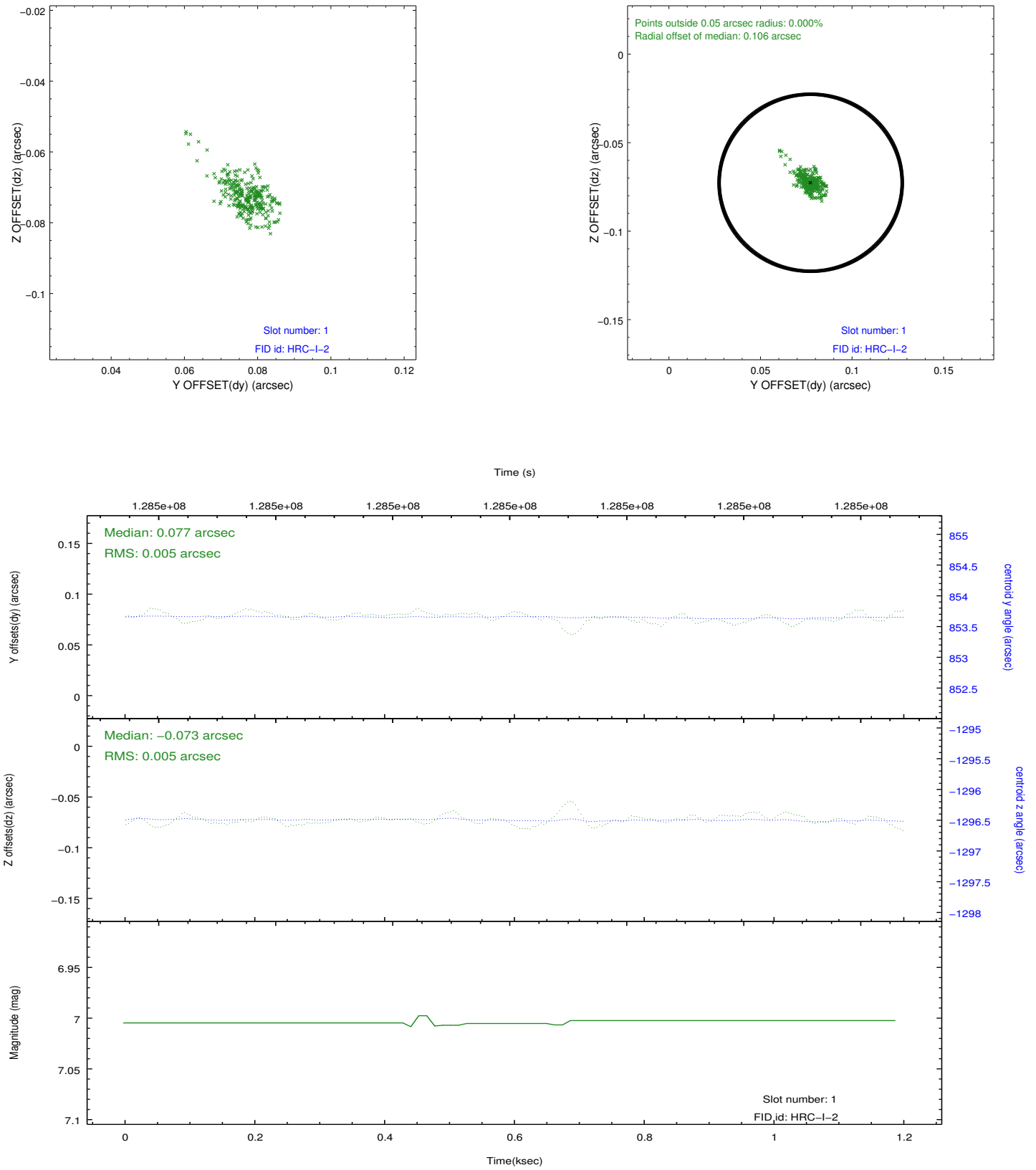


## 2.5 FID Slots

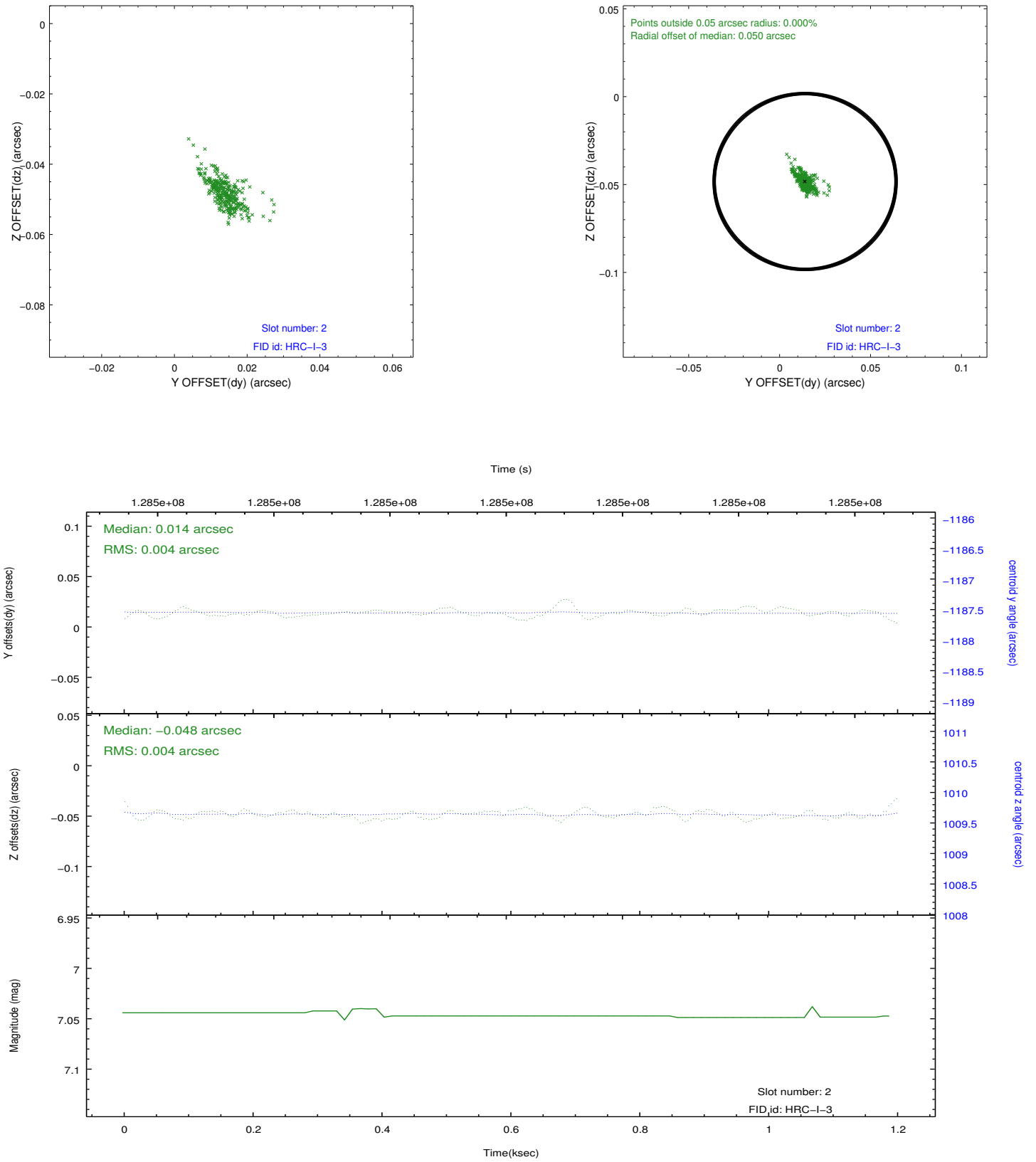
### 2.5.1 Slot 0



## 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	1.198

### A.2 Comments