

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2605 - L2 Version 4  
Chandra X-Ray Center

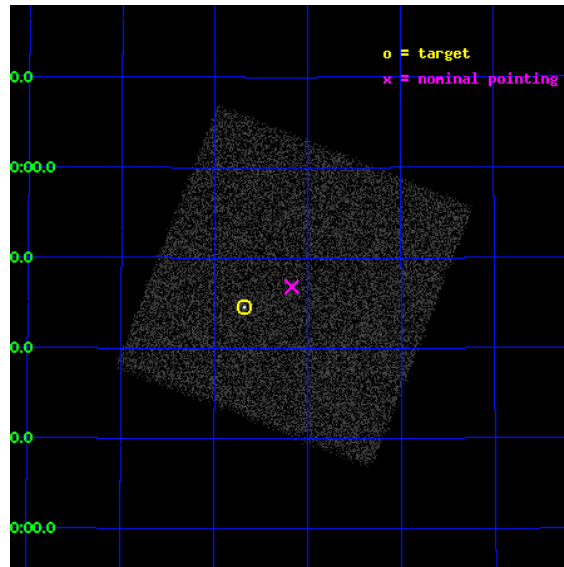
L2 Processing Date : Oct 1 2012

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# 1 Front

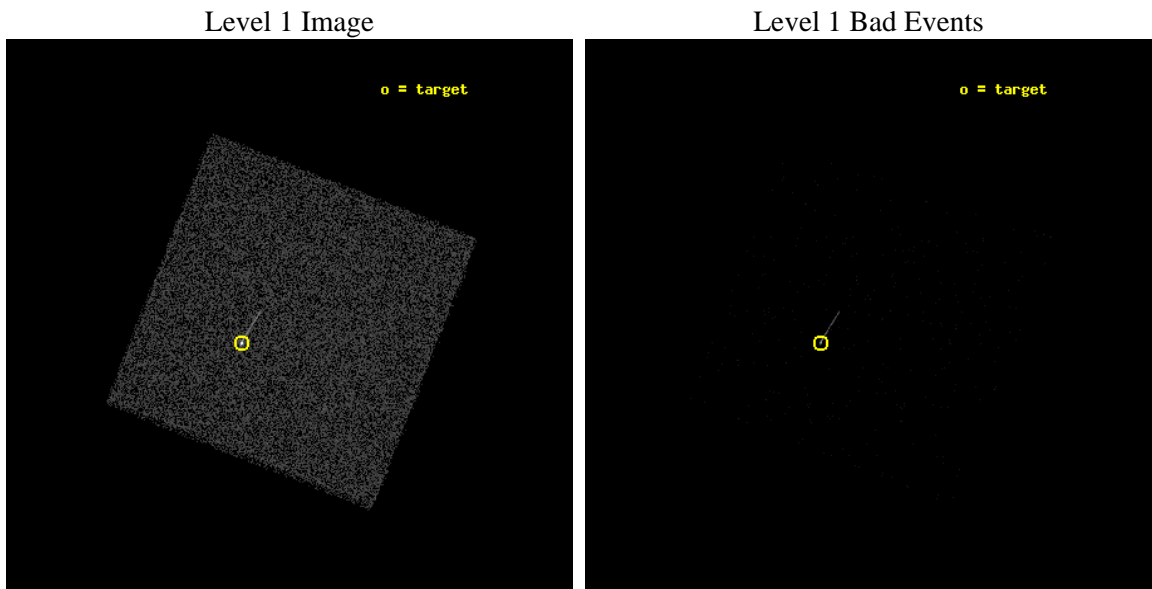
seq_num	290161	Sequence number
obs_id	2605	Observation id
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal tit
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.04256587318	Nominal RA [deg]
dec_nom	45.780102610603	Nominal Dec [deg]
roll_nom	336.5127776946	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1194.3812981397	[s]
liveltime	1187.7976417081	Ontime multiplied by DTCOR
l2events	36624	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	1194.3812981397	[s]
caldbver	4.5.2	&#160	l1events	66795	Number of level 1 events
date	2012-10-01T03:03:58	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

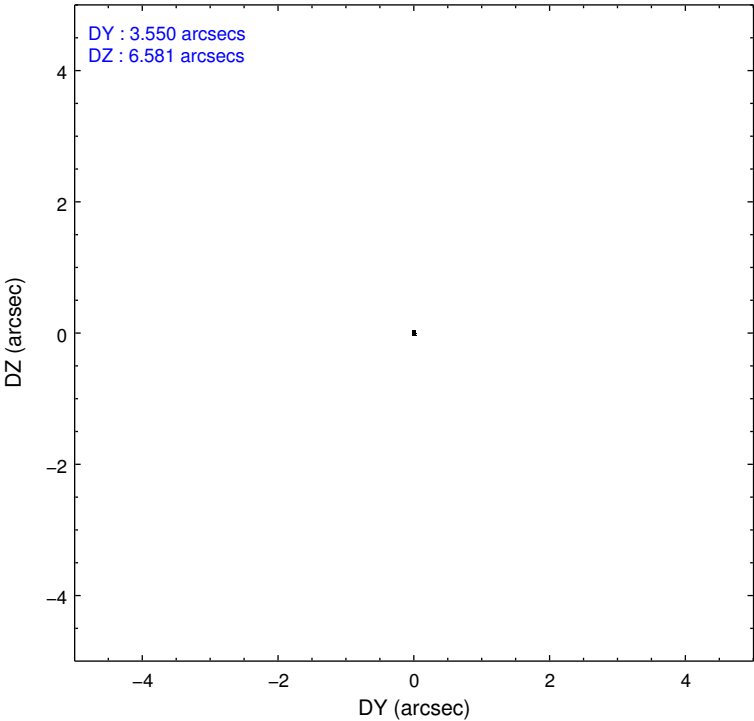
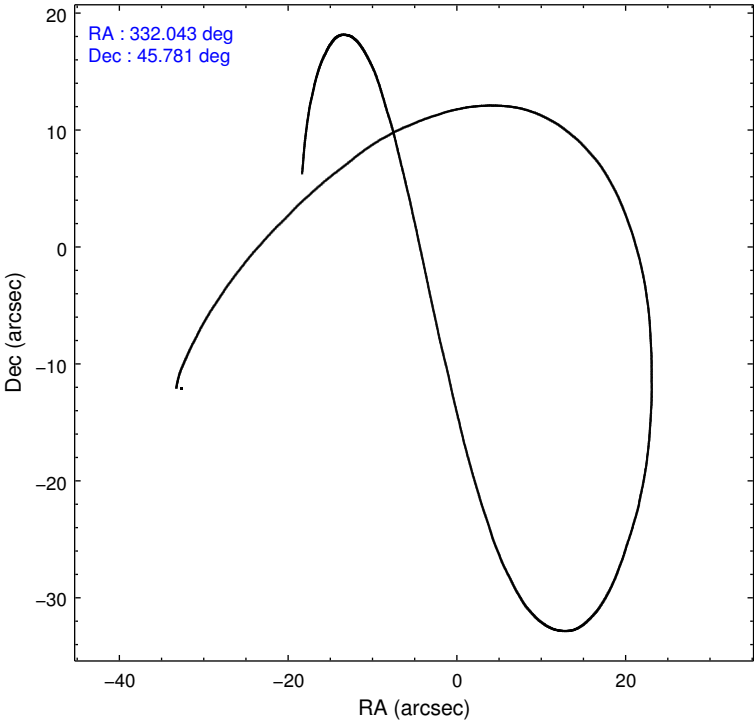
	<b>segment 0</b>
level 1 events	66795
rejected events	13915
rejected %	20%

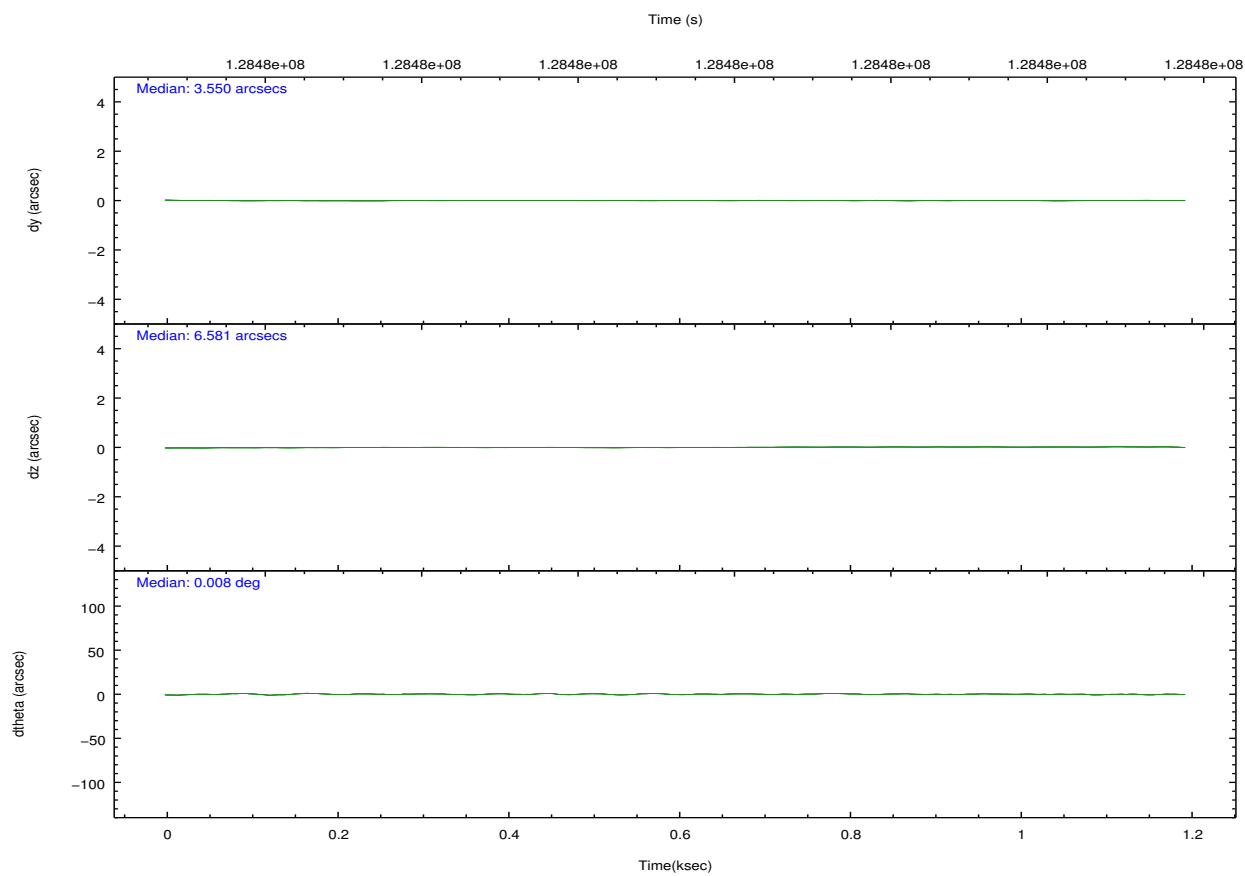
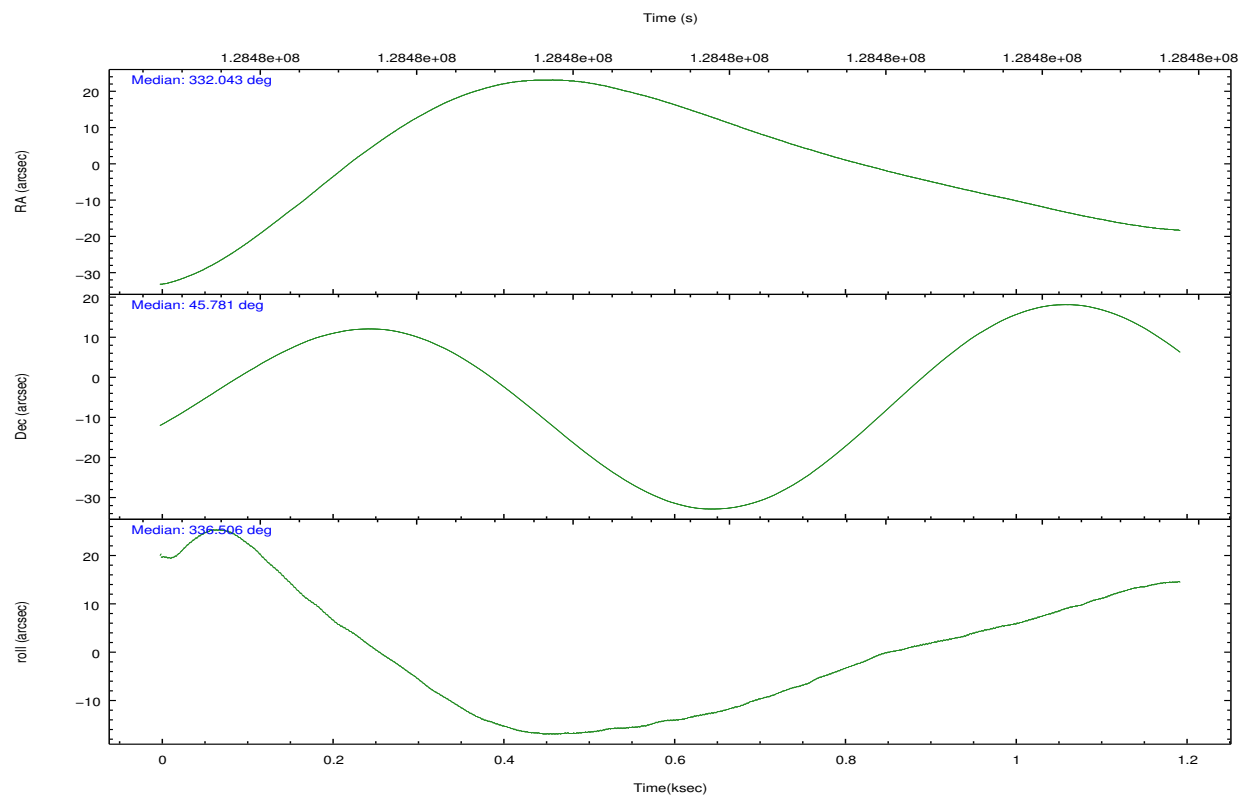
## 2.2 Compared Parameters

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	332.004126	332.0425658731801
[deg] Pointing Dec	45.775370	45.7801026106032
[deg] Pointing Roll	336.635885	336.512777694598
[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)	128475319.184000	128474943.70214
Observation start date	2002-01-26T23:34:15	2002-01-26T23:29:03
[s] Observation end time (MET)	128476319.184000	128476453.5272
Observation end date	2002-01-26T23:50:55	2002-01-26T23:54:13

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

2.3 Aspect





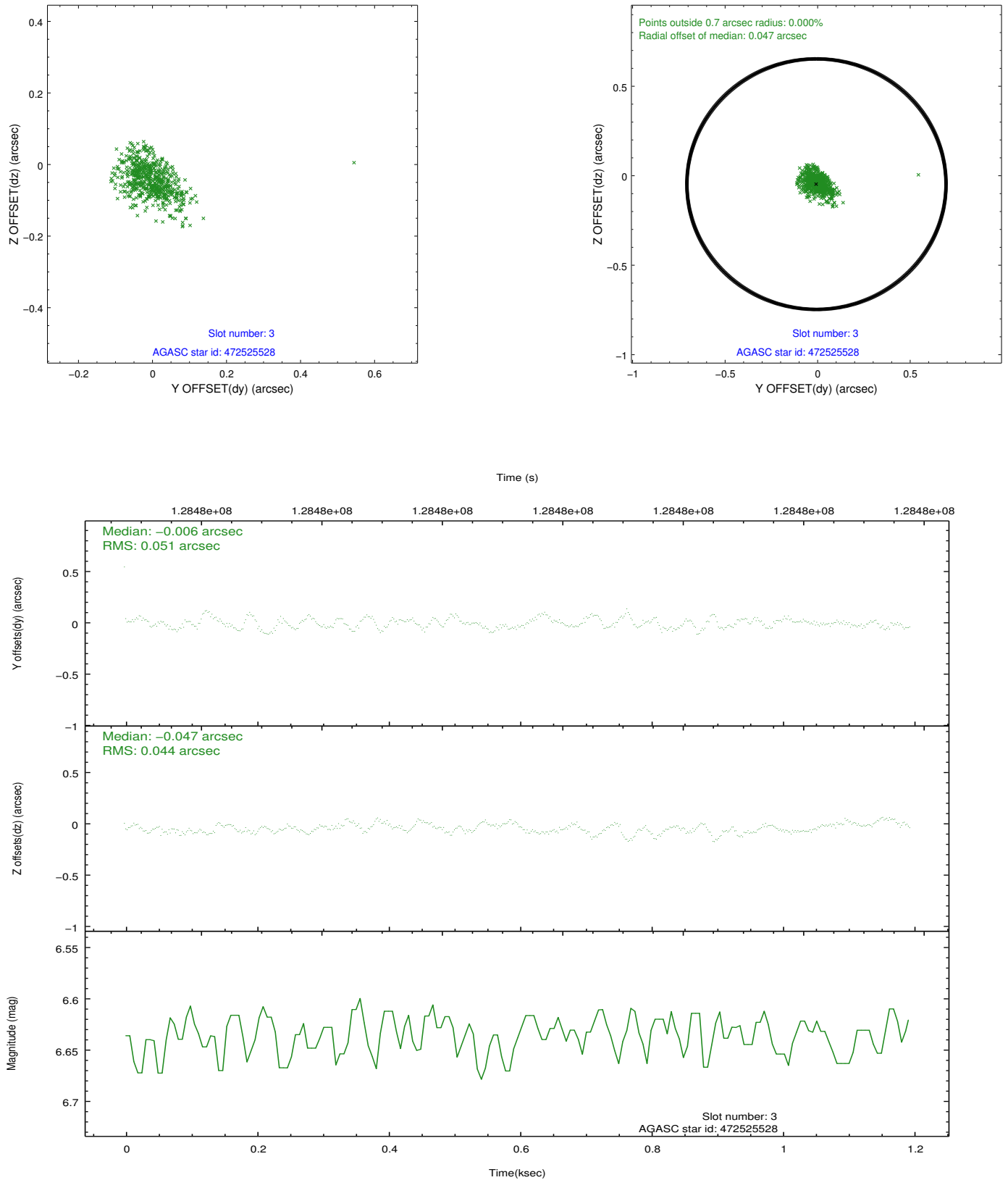
### Slot Statistics

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	292	0.022	0.025	0.007	0.011	0.000000	0.000000	-758.99	-1294.45
1	FID	HRC-I-2	7.00	292	0.071	-0.057	0.005	0.008	0.000000	0.000000	851.09	-1300.51
2	FID	HRC-I-3	7.04	292	0.027	-0.058	0.004	0.008	0.000000	0.000000	-1184.60	1005.57
3	GUIDE	472525528	6.63	584	-0.006	-0.047	0.067	0.111	331.551102	45.248694	-301.71	-2196.91
4	GUIDE	472535576	7.85	584	-0.084	0.014	0.062	0.108	331.438373	46.291802	-2030.51	1145.33
5	GUIDE	472536328	8.12	584	-0.062	0.058	0.064	0.104	331.496671	46.454831	-2129.34	1747.98
6	GUIDE	472659832	9.46	584	0.085	0.034	0.104	0.168	332.780399	46.098139	1312.10	1843.14
7	GUIDE	472654568	9.44	583	0.066	-0.062	0.090	0.154	332.194449	45.063576	1464.32	-2160.54

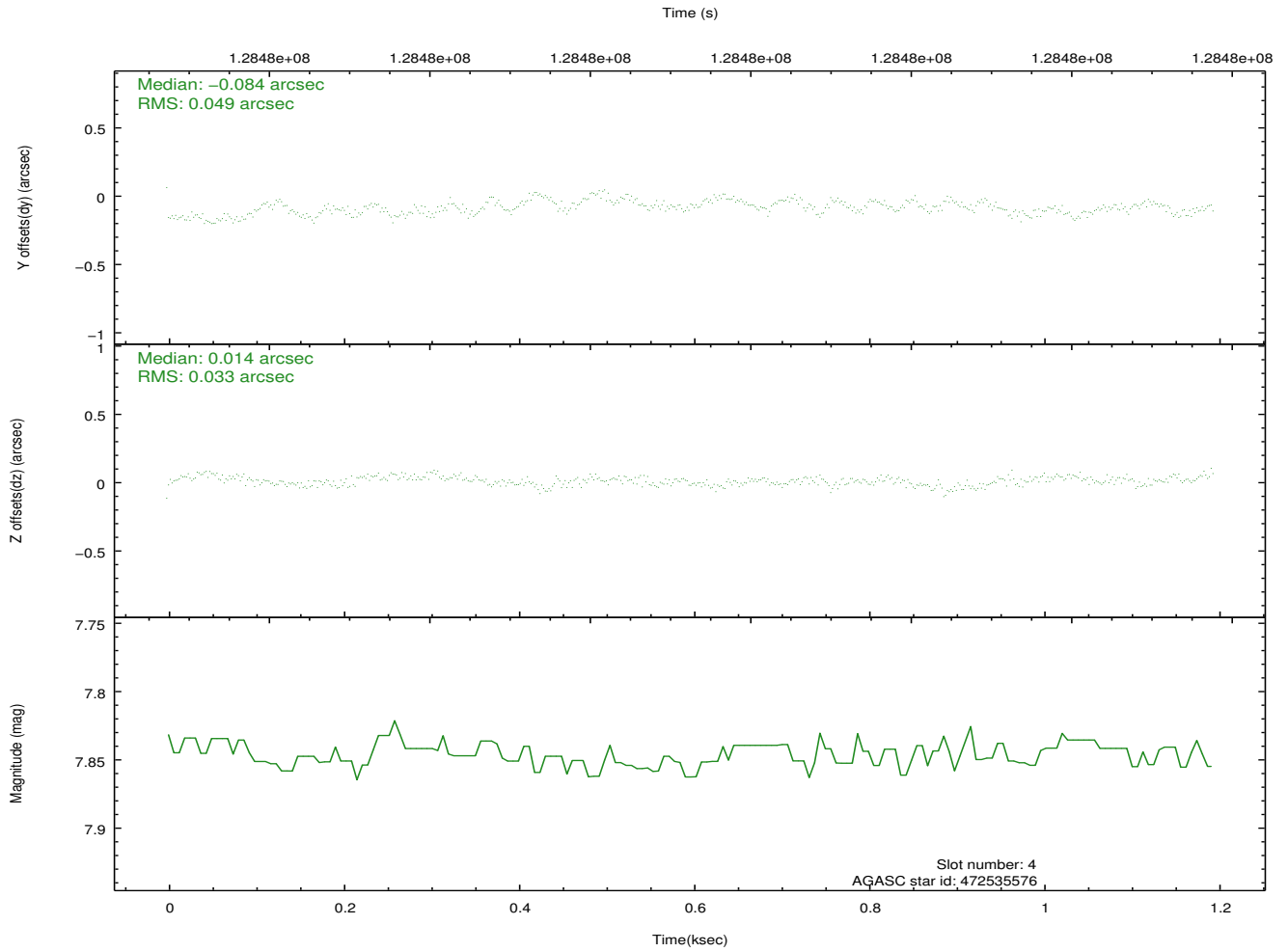
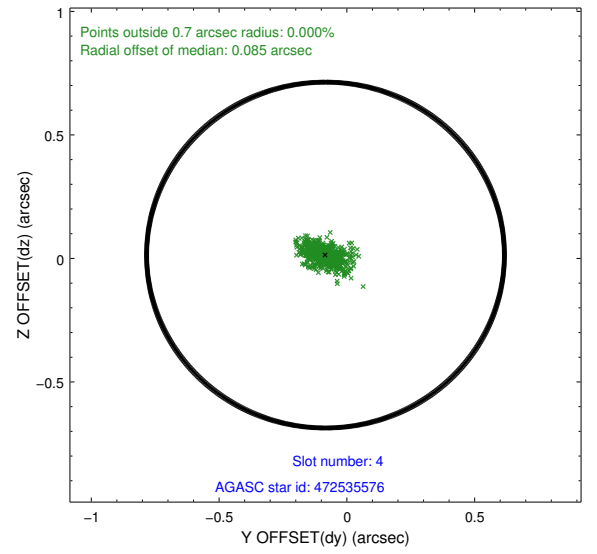
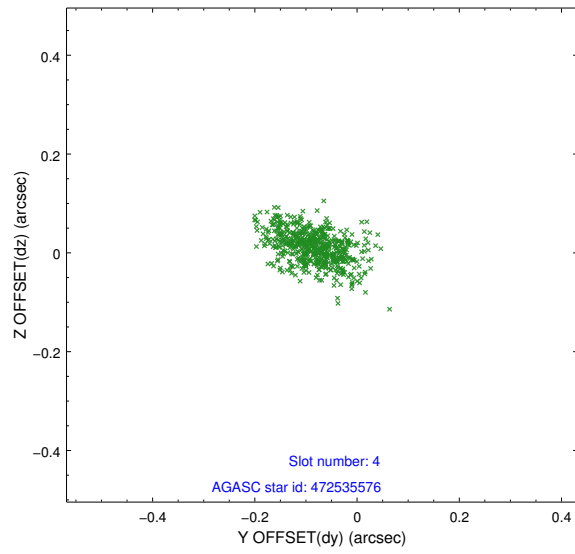


## 2.4 Star Slots

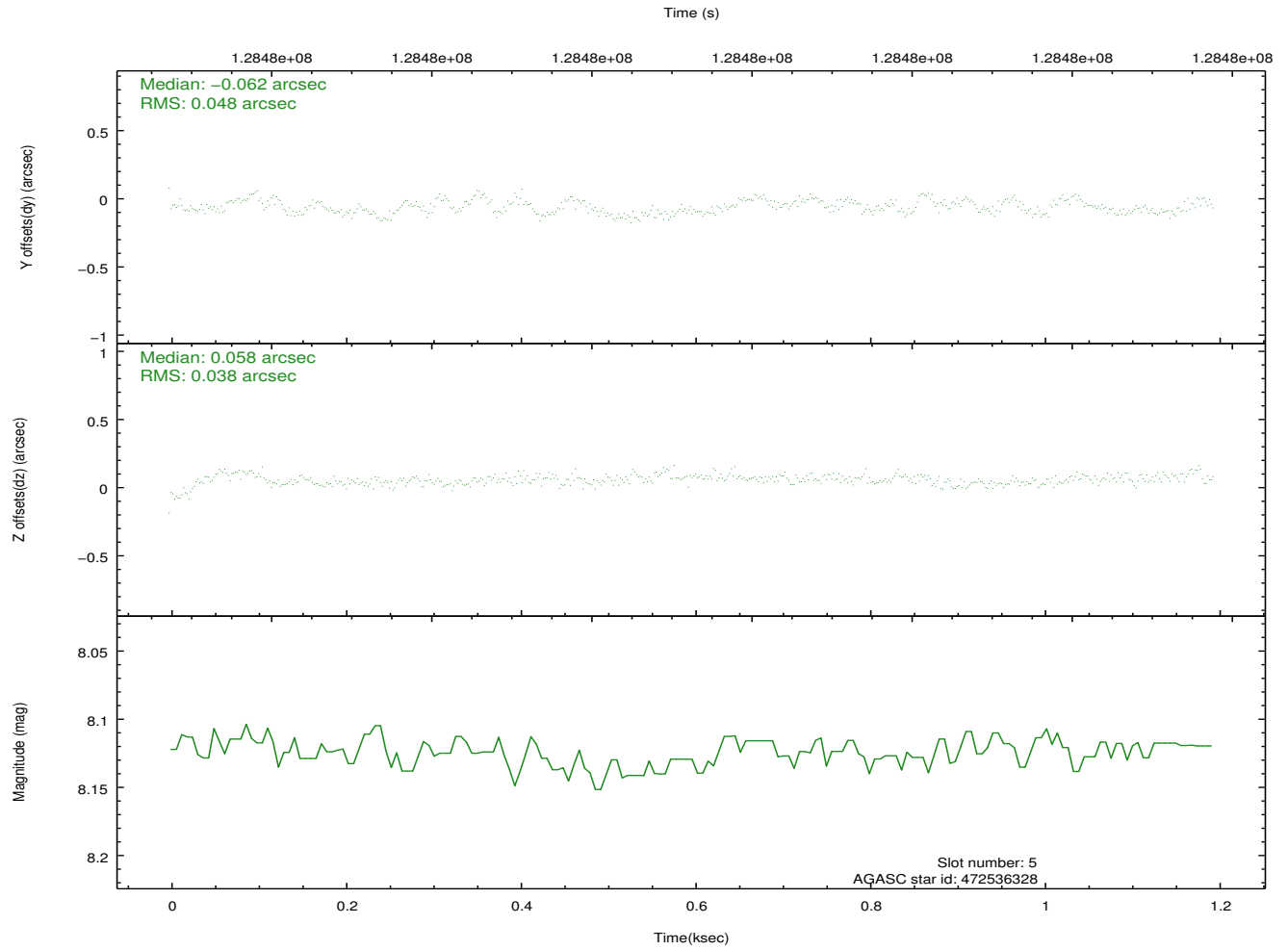
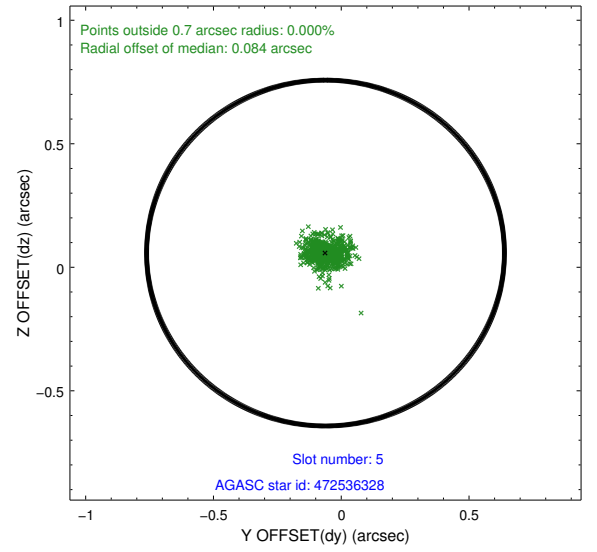
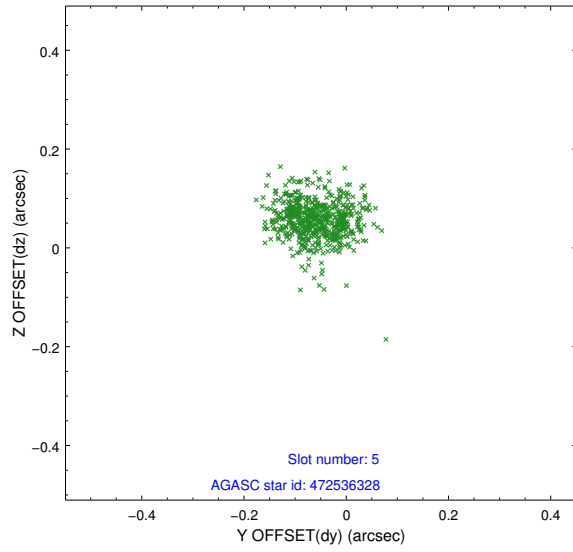
### 2.4.1 Slot 3



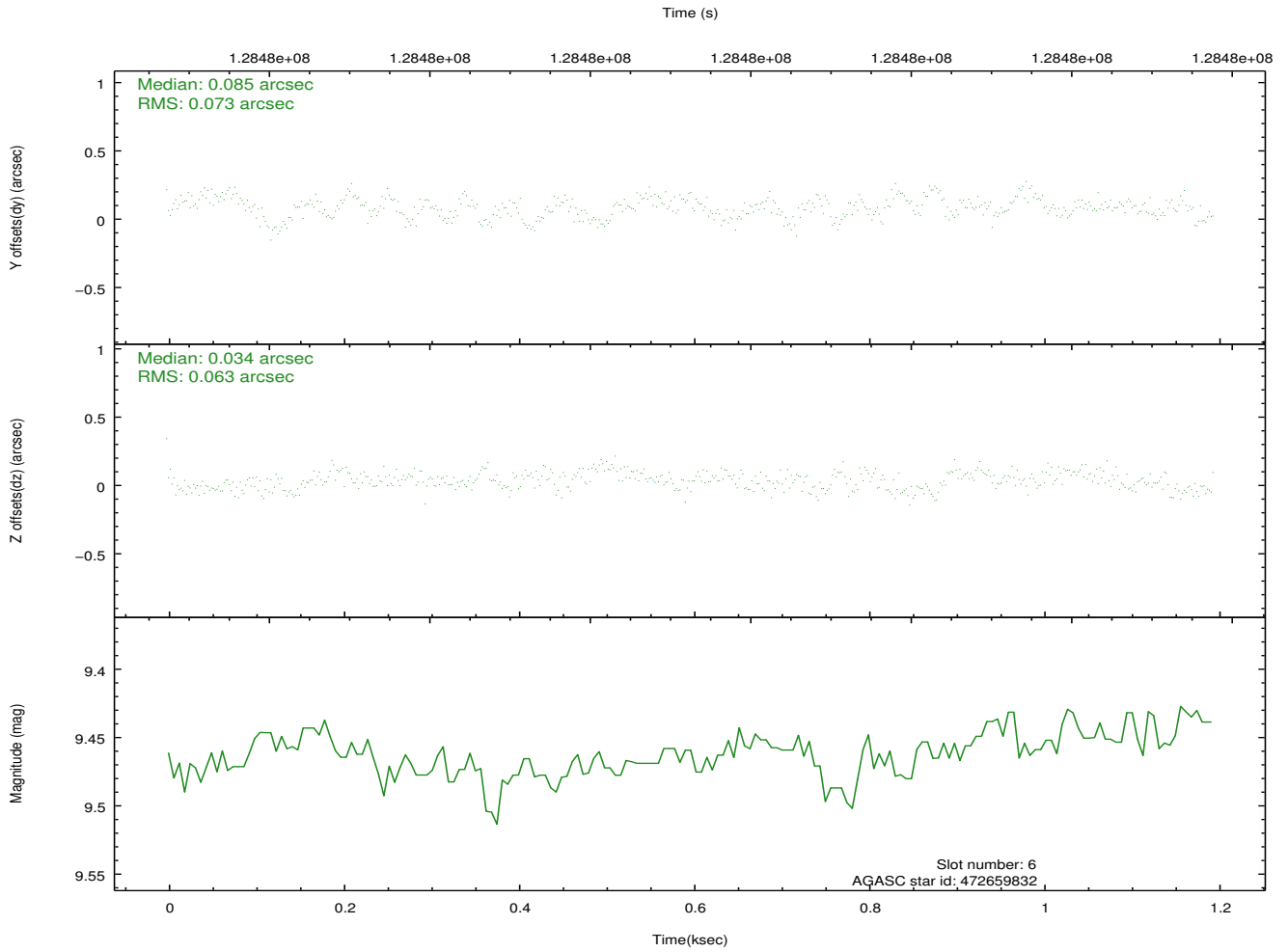
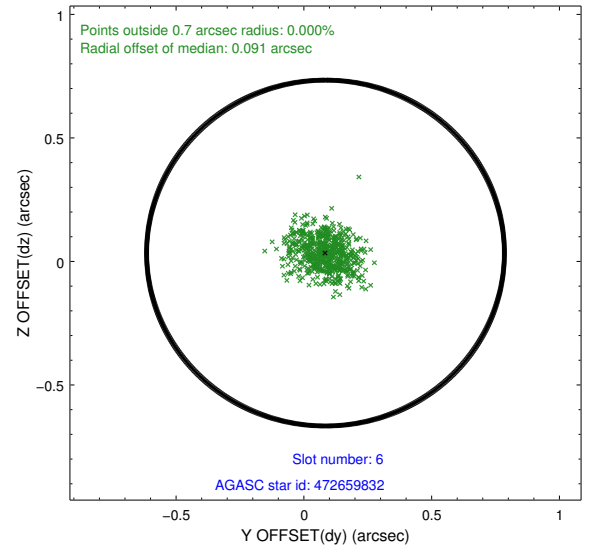
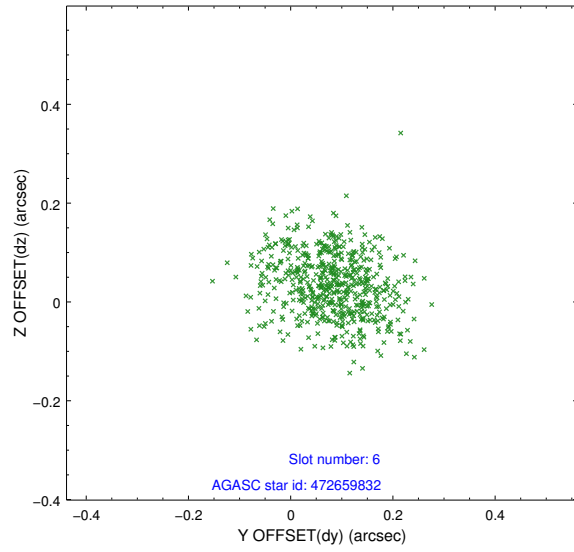
## 2.4.2 Slot 4



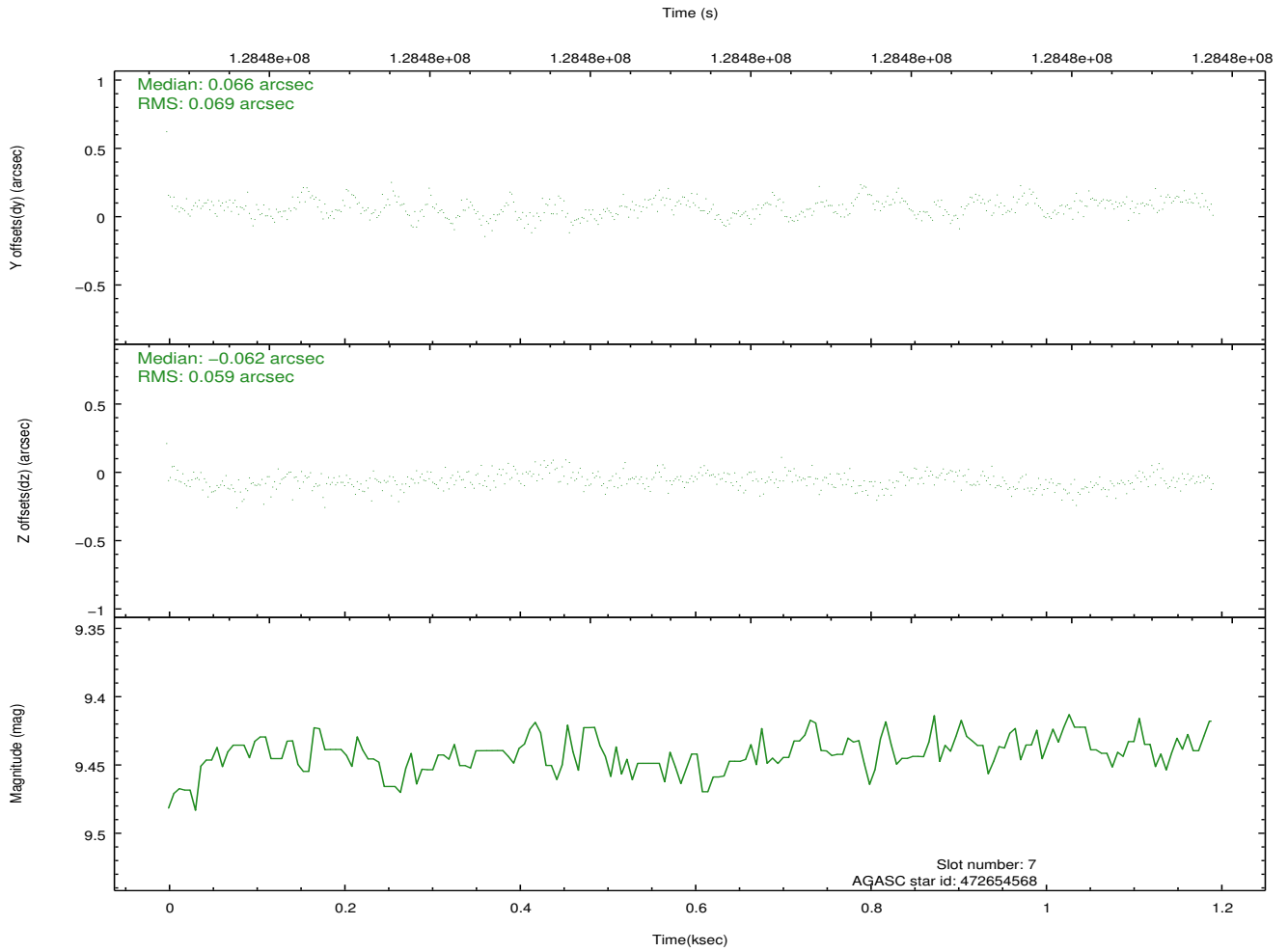
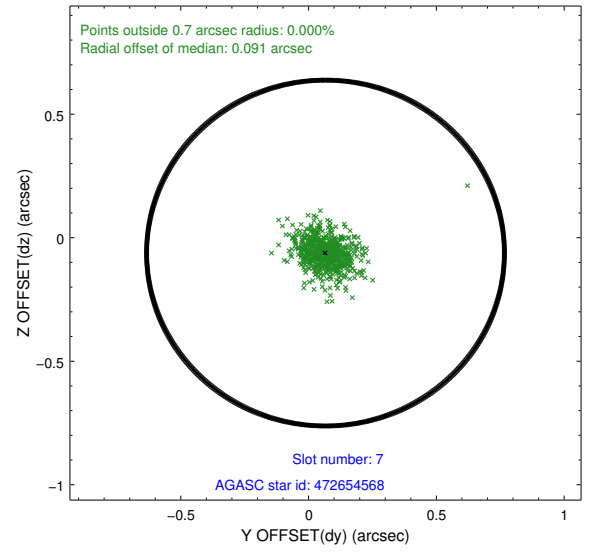
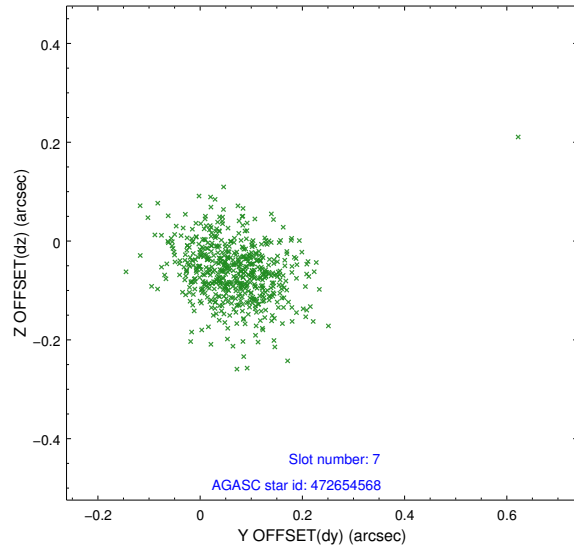
### 2.4.3 Slot 5



## 2.4.4 Slot 6

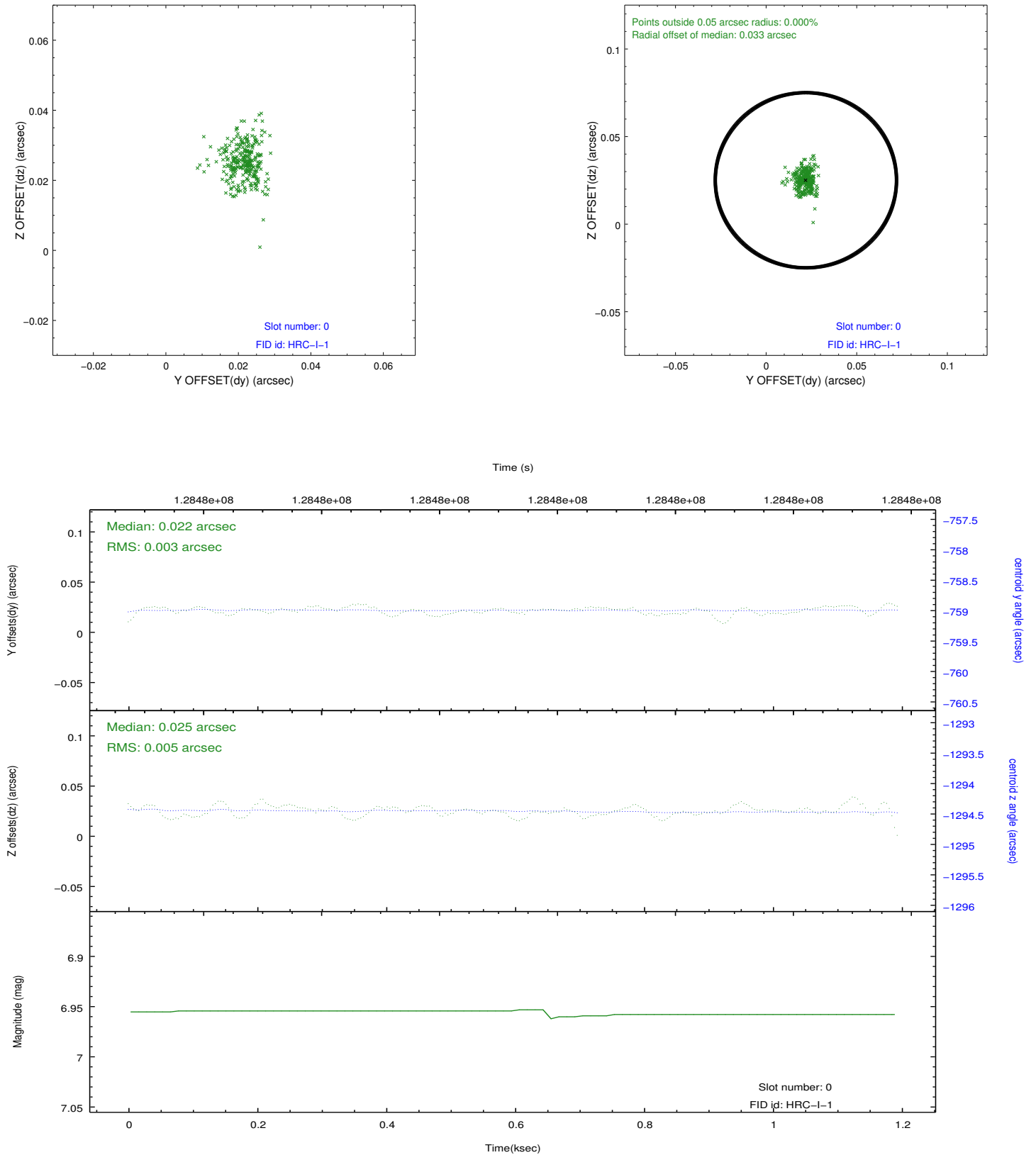


## 2.4.5 Slot 7

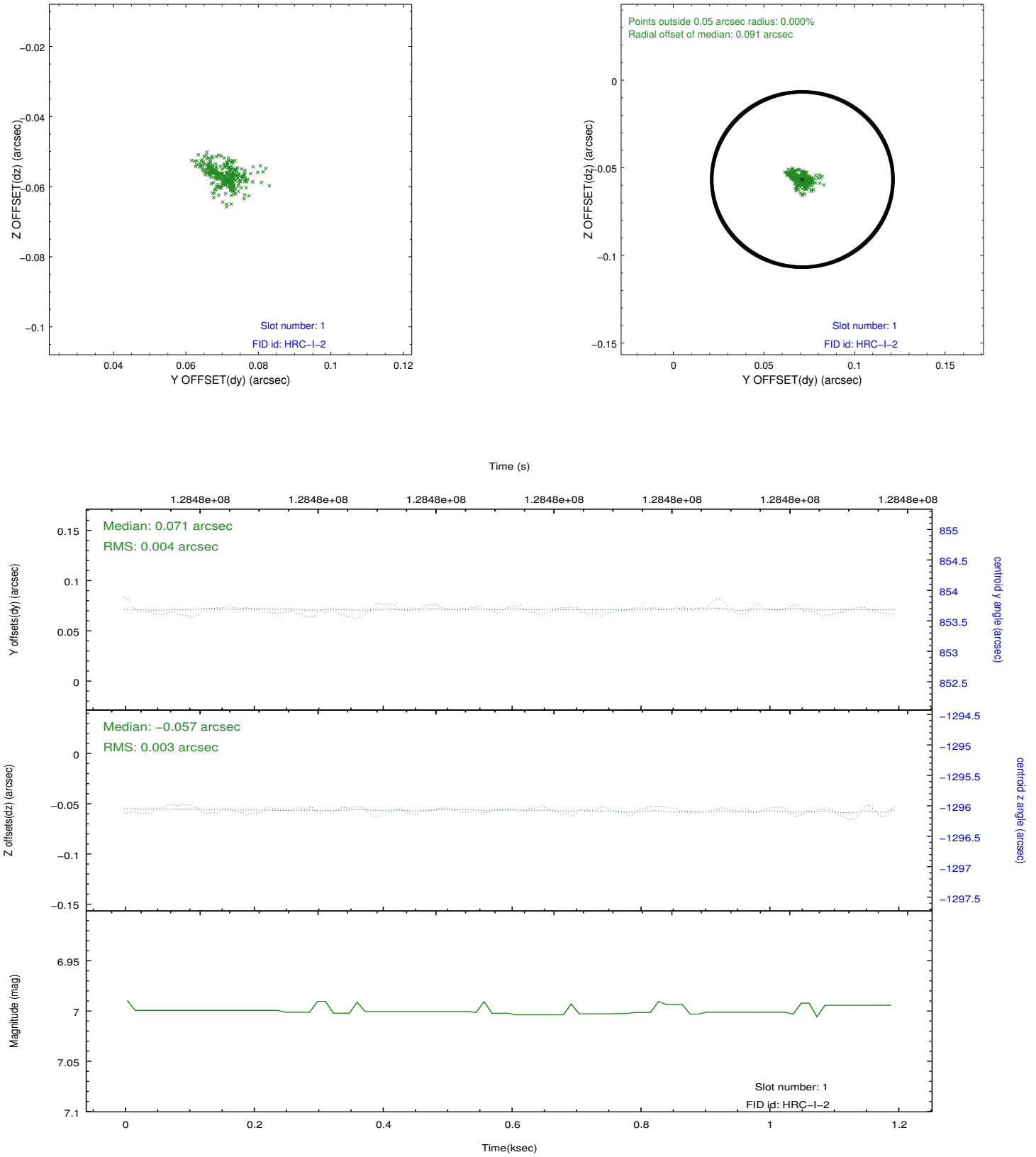


## 2.5 FID Slots

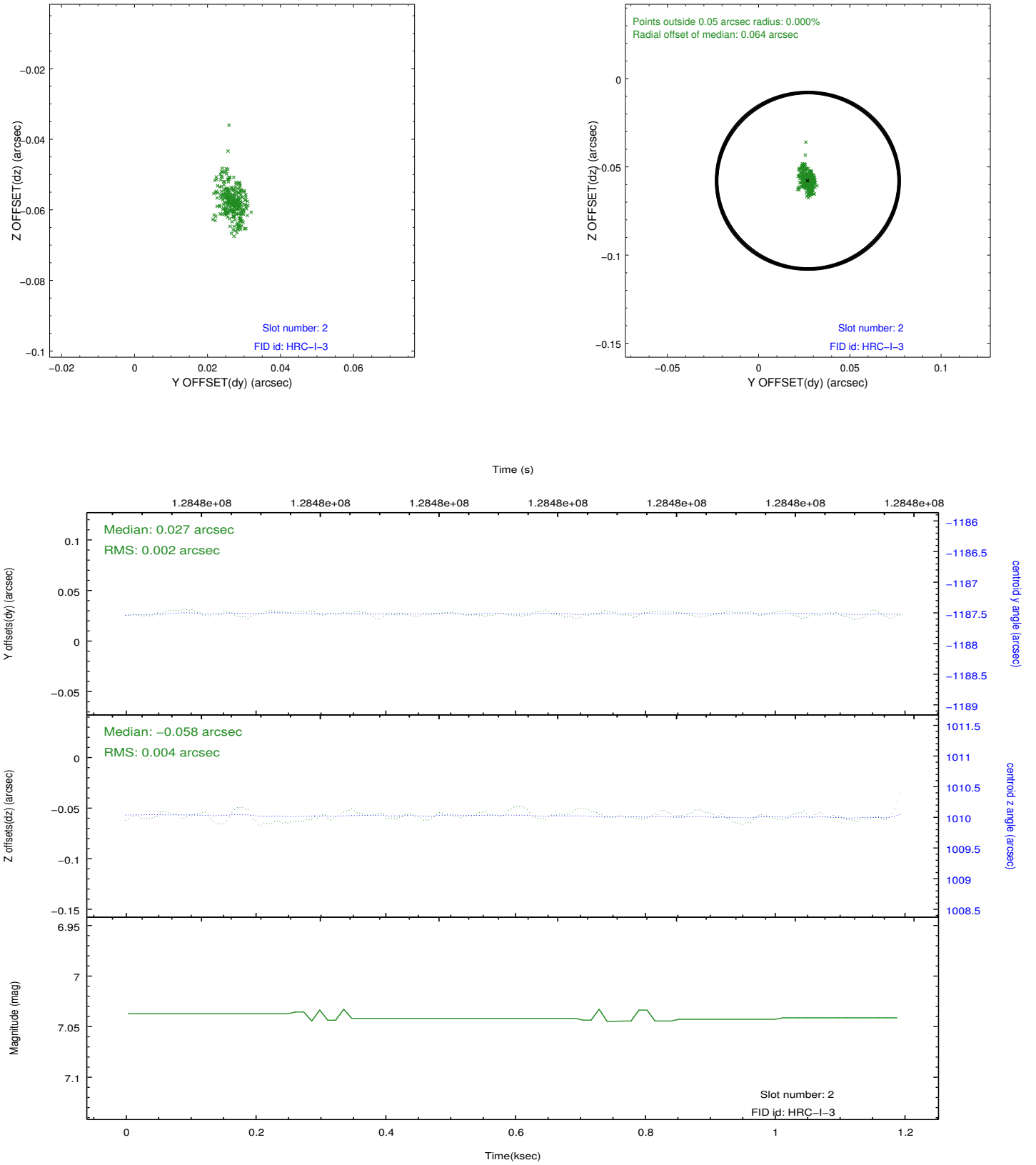
### 2.5.1 Slot 0



## 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	1.194

### **A.2 Comments**