

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2619 - L2 Version 4  
Chandra X-Ray Center

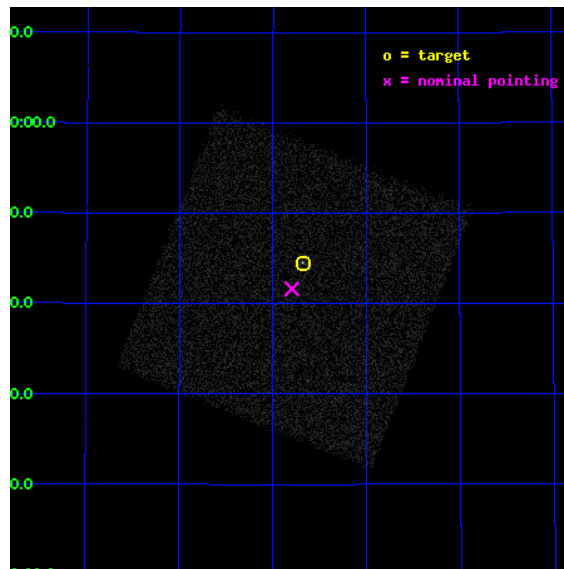
L2 Processing Date : Oct 1 2012

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# 1 Front

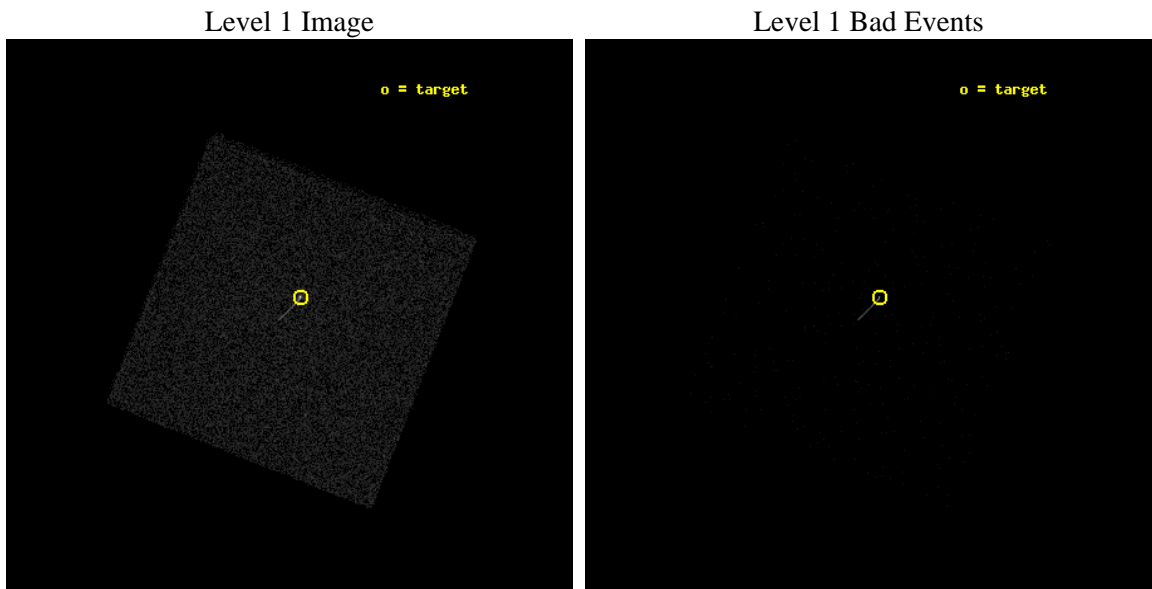
seq_num	290175	Sequence number
obs_id	2619	Observation id
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal tit
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.19923453278	Nominal RA [deg]
dec_nom	45.694413647413	Nominal Dec [deg]
roll_nom	336.57757179015	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1194.1250481158	[s]
livetime	1187.4689779583	Ontime multiplied by DTCOR
l2events	37078	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	1194.1250481158	[s]
caldbver	4.5.2	&#160	l1events	67638	Number of level 1 events
date	2012-10-01T03:13:26	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

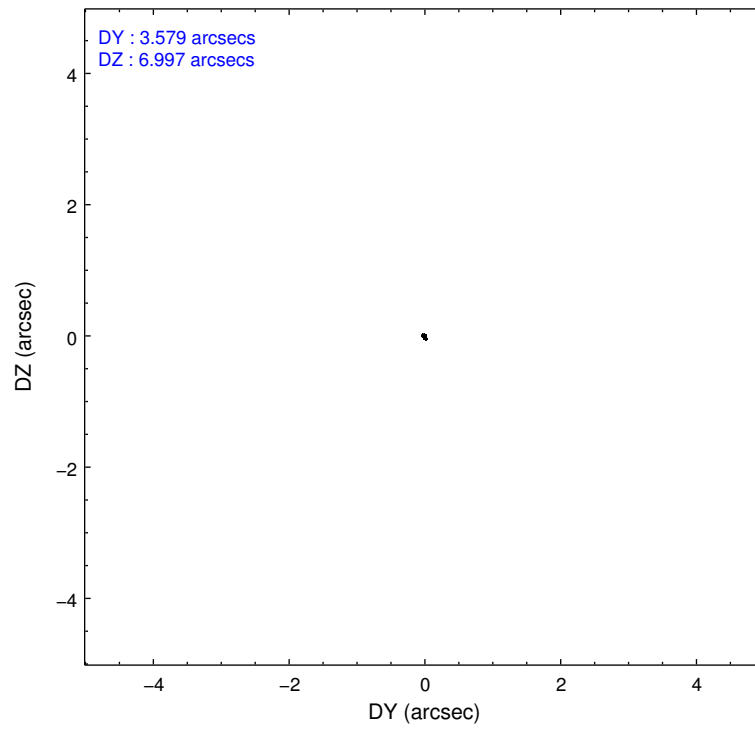
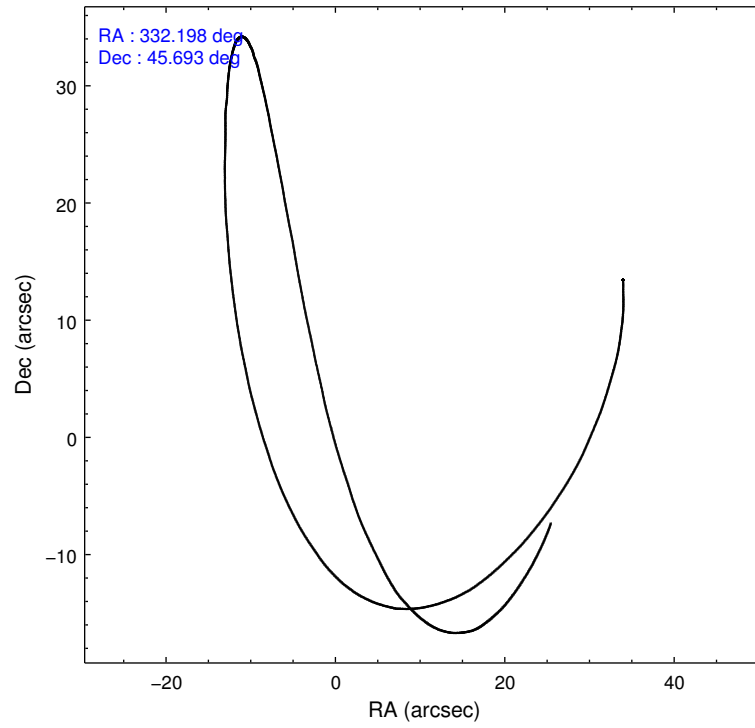
#### Level 1 Events

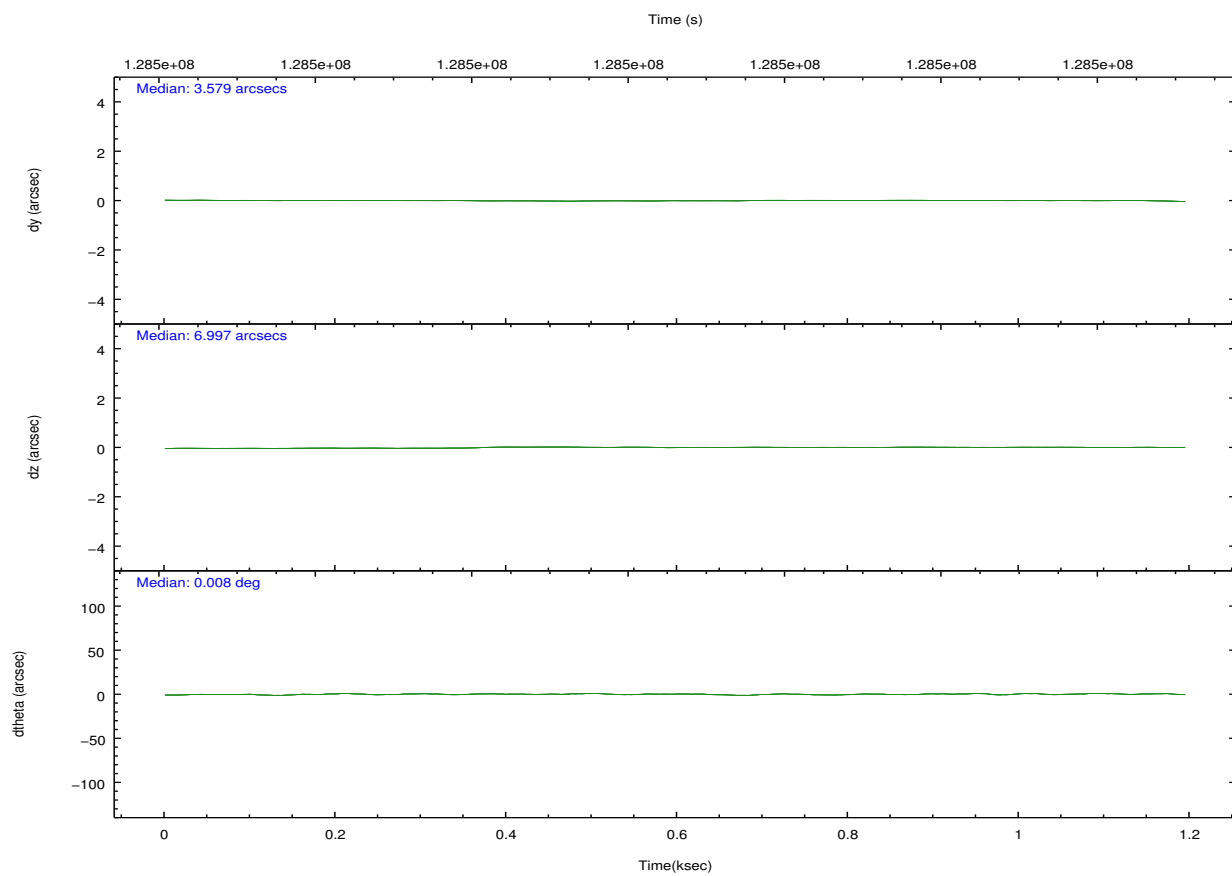
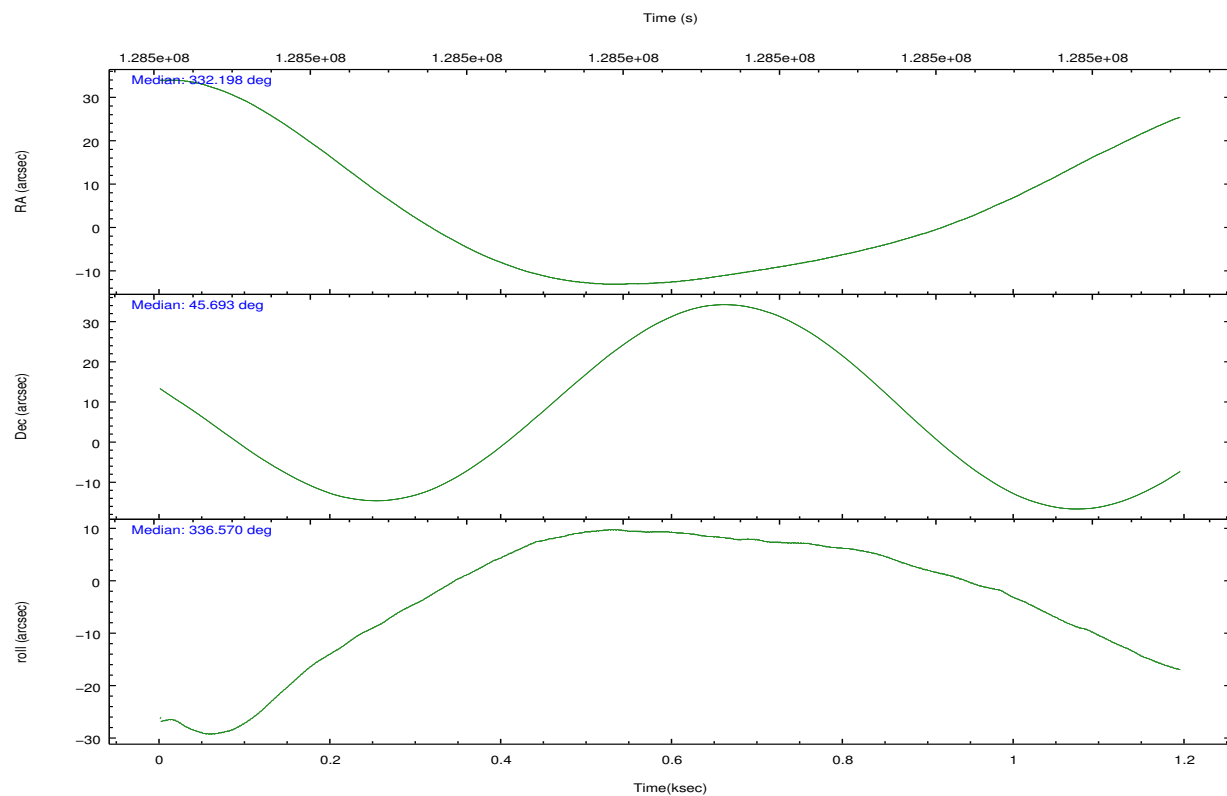
	<b>segment 0</b>
level 1 events	67638
rejected events	14059
rejected %	20%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.160655	332.1992345327796			
[deg] Pointing Dec	45.691772	45.69441364741275			
[deg] Pointing Roll	336.700650	336.5775717901473			
[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)	128496459.184000	128496083.30299			
Observation start date	2002-01-27T05:26:35	2002-01-27T05:21:23			
[s] Observation end time (MET)	128497459.184000	128497593.12805			
Observation end date	2002-01-27T05:43:15	2002-01-27T05:46:33			

## 2.3 Aspect





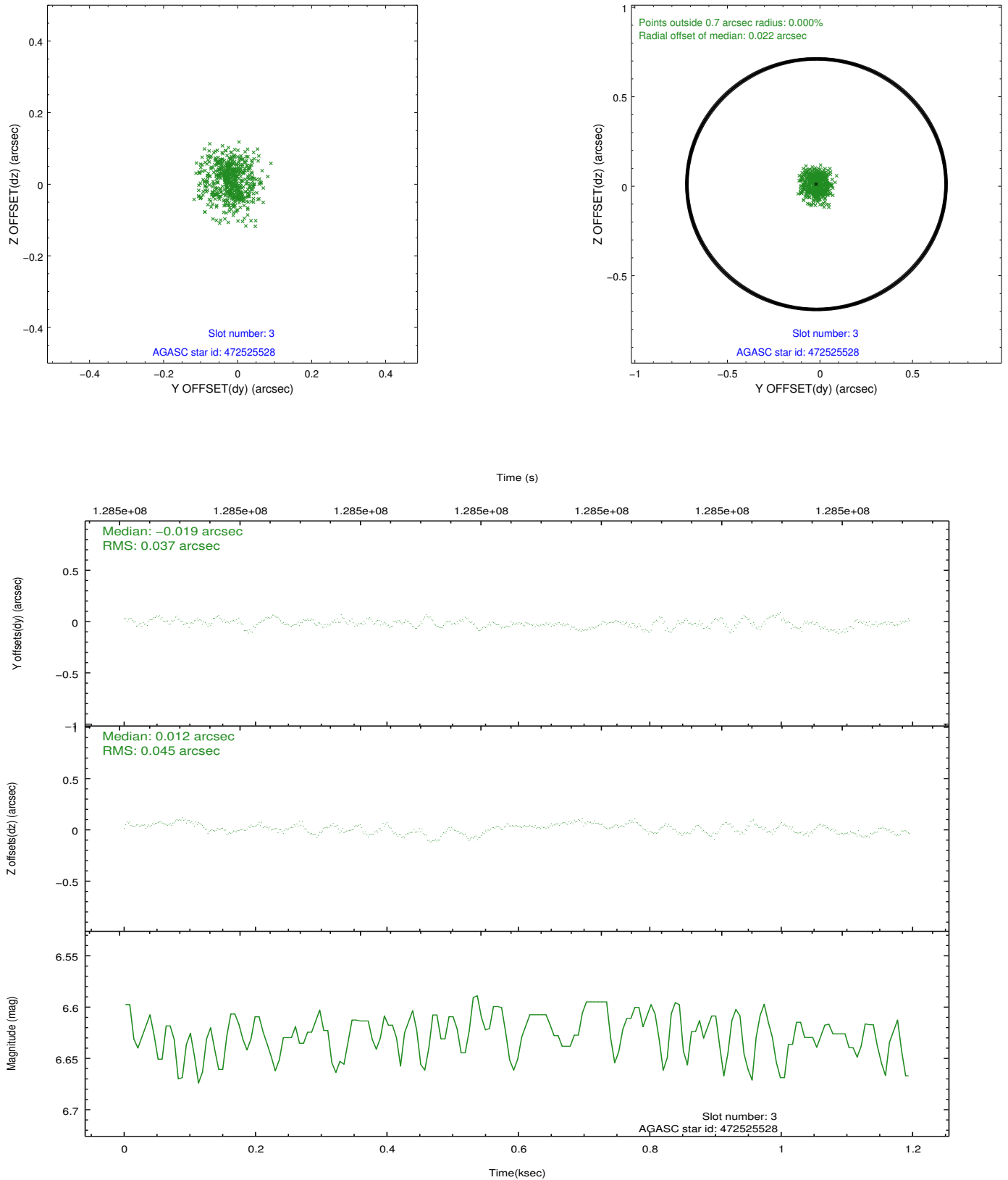
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.00	292	0.081	-0.007	0.006	0.010	0.000000	0.000000	853.66	-1296.45
1	FID	HRC-I-3	7.05	292	-0.001	0.005	0.006	0.010	0.000000	0.000000	-1184.64	1005.24
2	FID	HRC-I-4	6.99	292	0.039	-0.085	0.006	0.009	0.000000	0.000000	1279.70	1010.65
3	GUIDE	472525528	6.63	584	-0.019	0.012	0.063	0.099	331.551102	45.248694	-791.67	-2068.07
4	GUIDE	472523760	8.23	583	-0.048	-0.087	0.068	0.137	331.645363	45.403260	-789.87	-1466.35
5	GUIDE	472665256	9.02	583	-0.047	-0.019	0.099	0.164	332.808125	46.195041	759.34	2308.56
6	GUIDE	472659832	9.47	584	0.098	0.078	0.119	0.207	332.780399	46.098139	839.46	1967.96
7	GUIDE	472654568	9.43	583	0.022	0.025	0.095	0.156	332.194449	45.063576	973.66	-2036.82

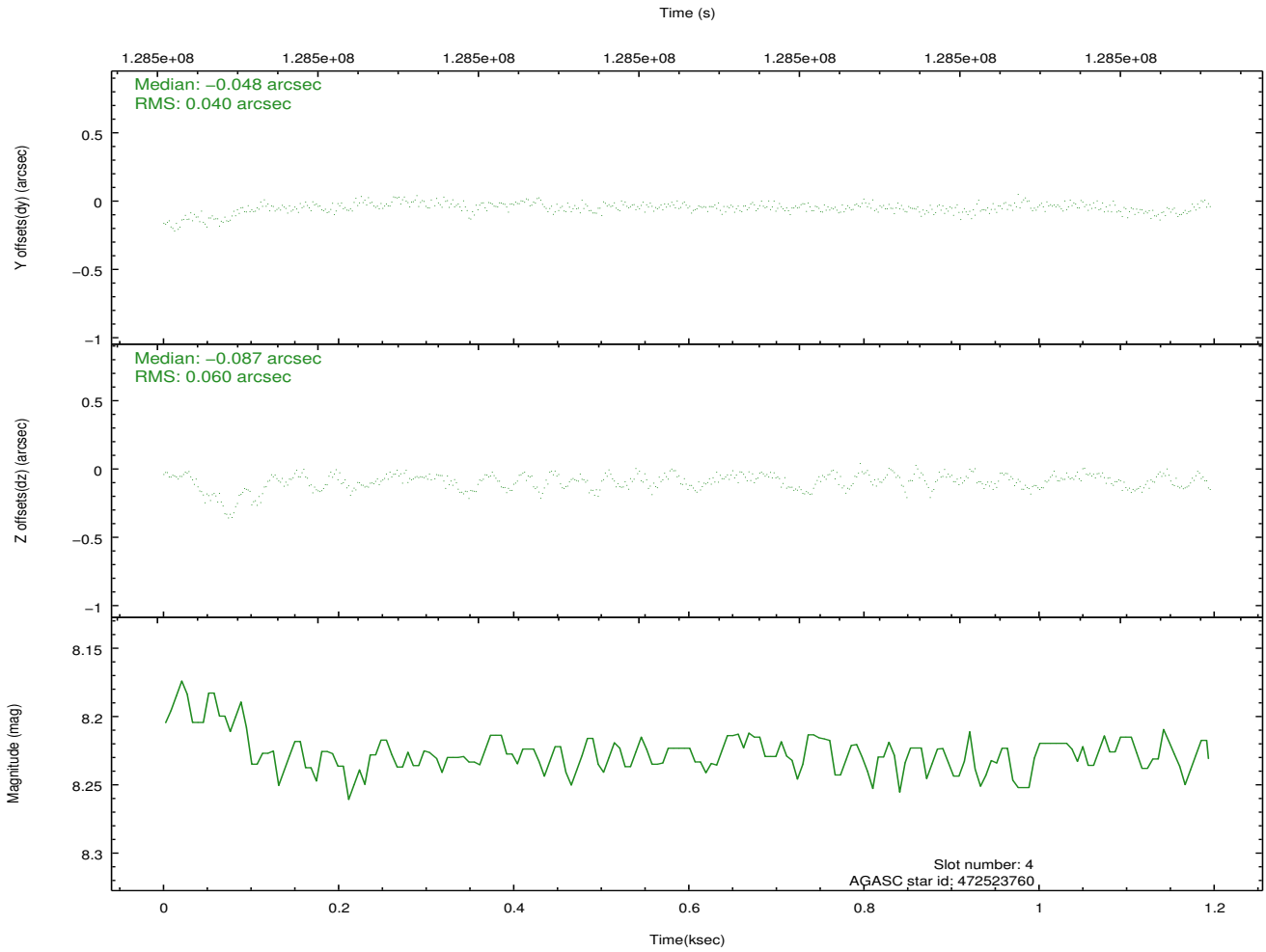
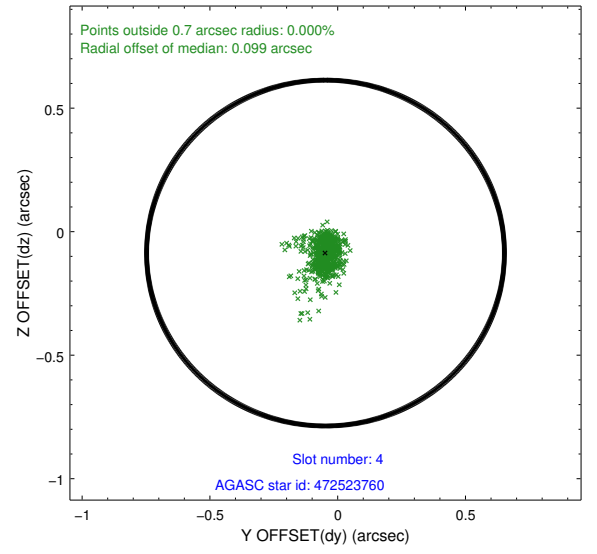
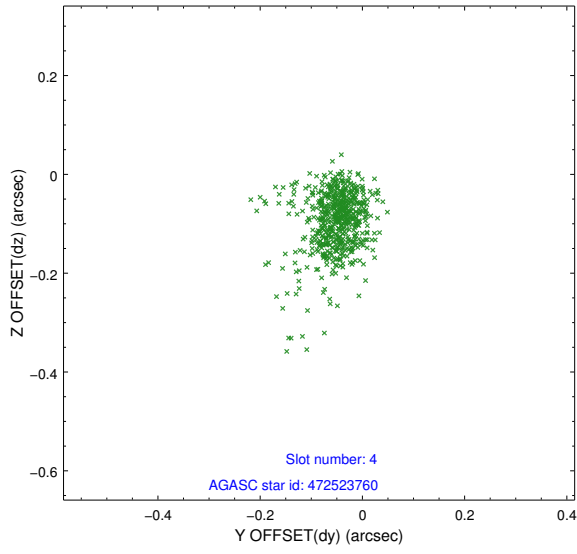


## 2.4 Star Slots

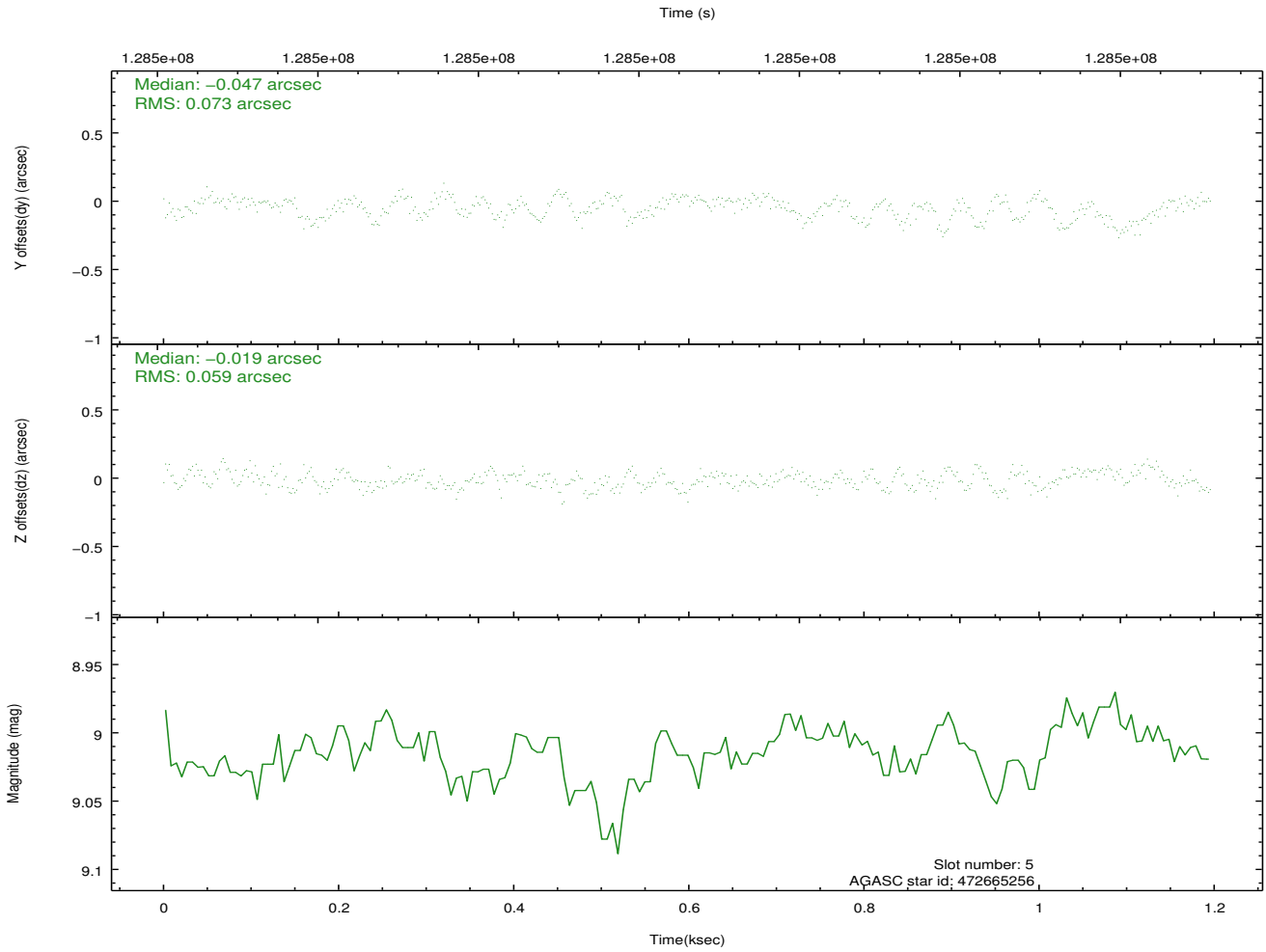
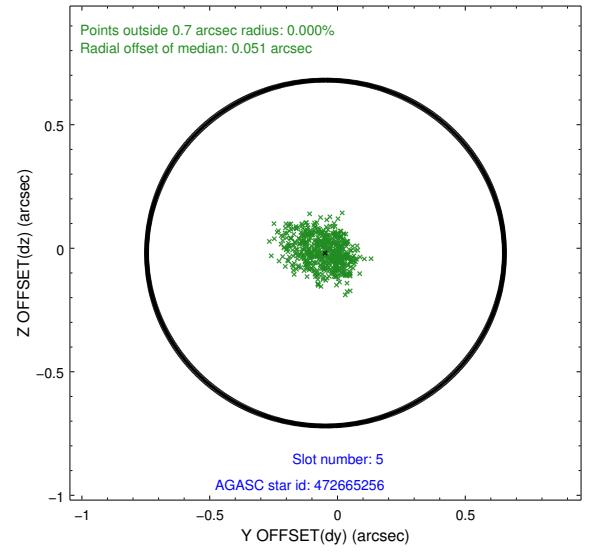
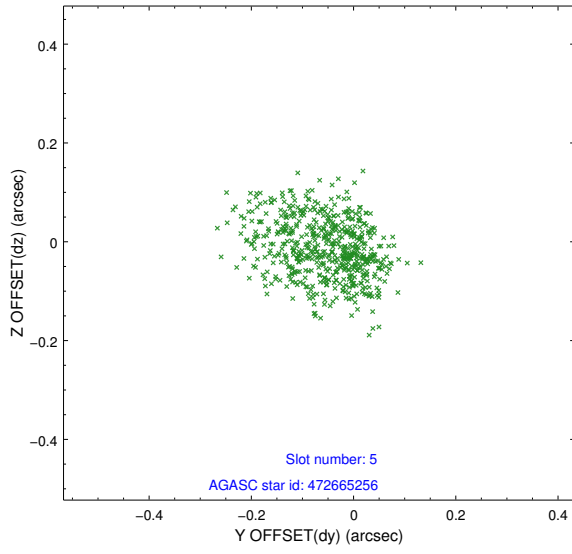
### 2.4.1 Slot 3



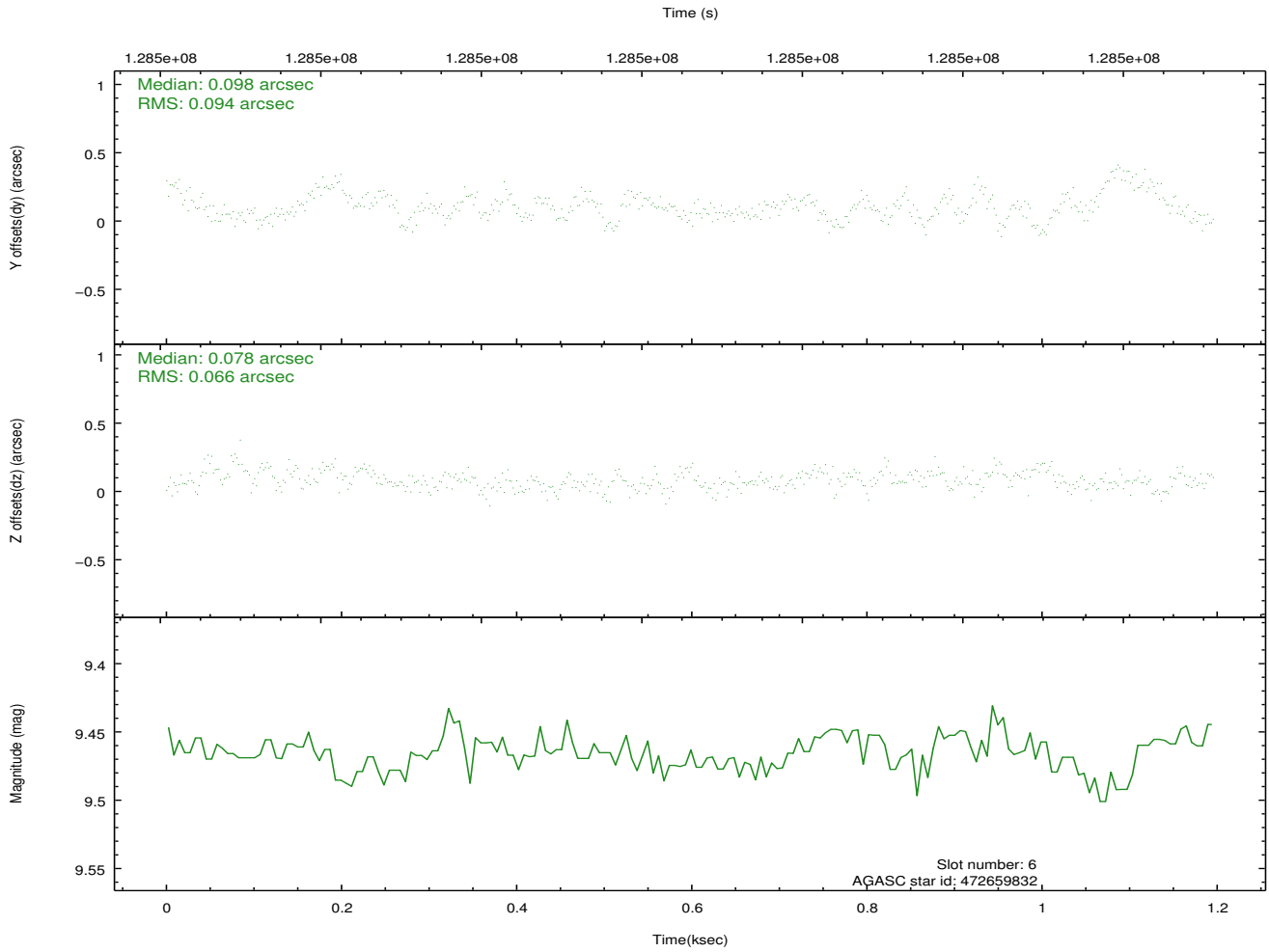
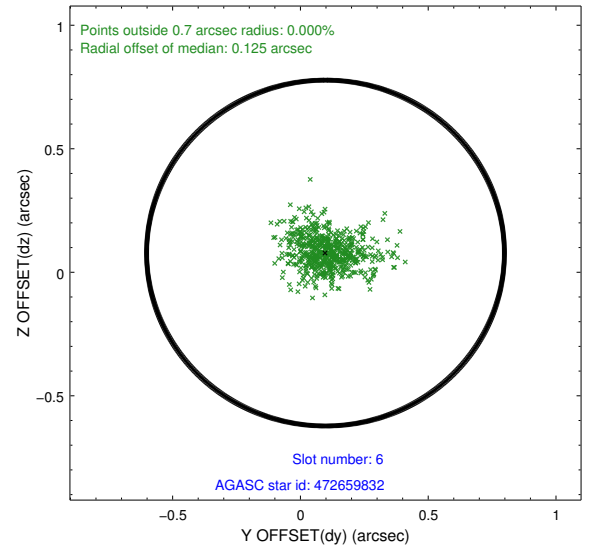
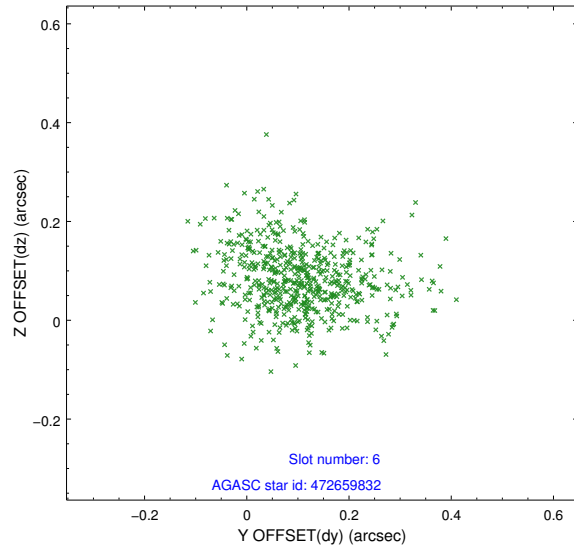
## 2.4.2 Slot 4



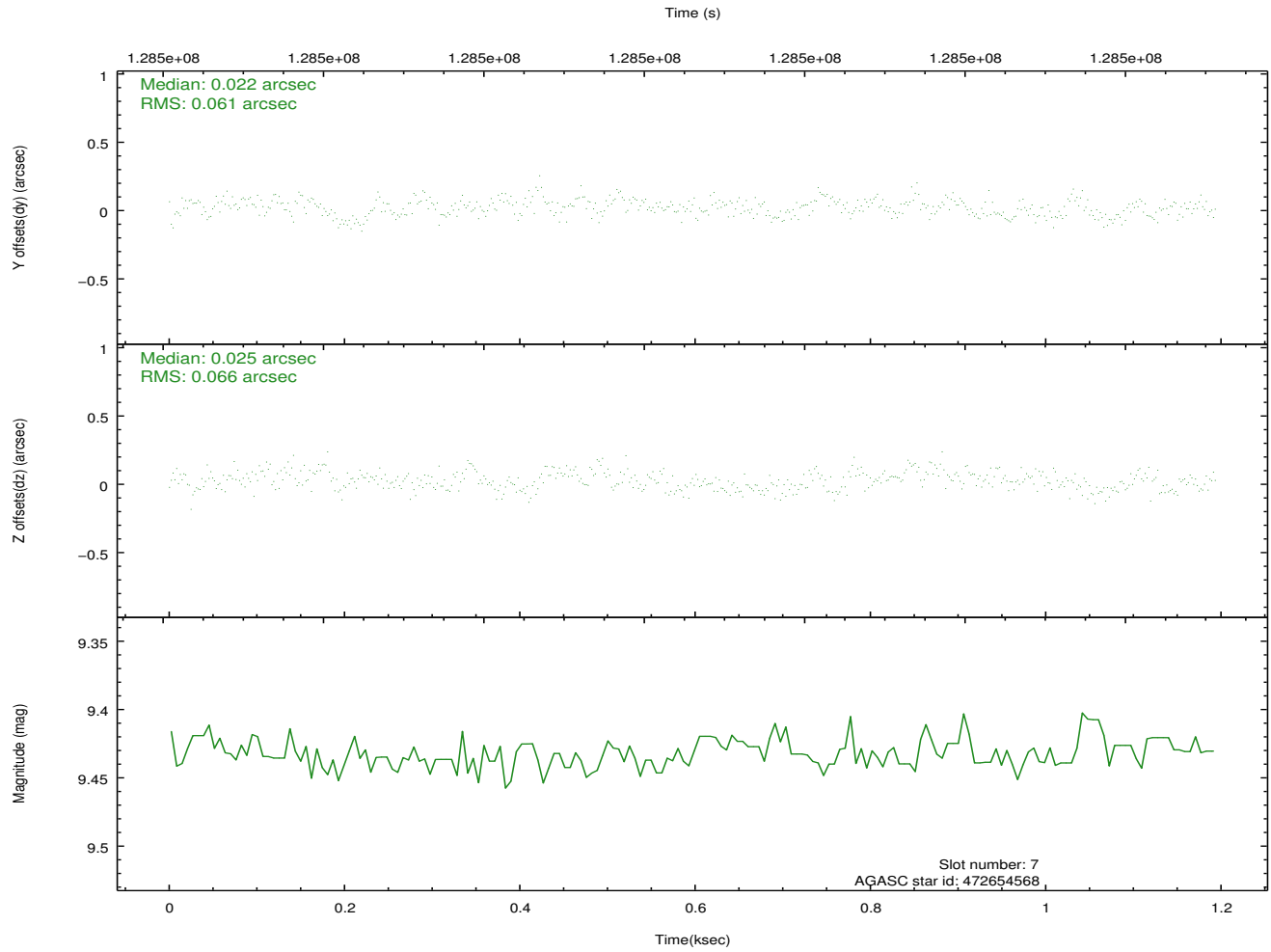
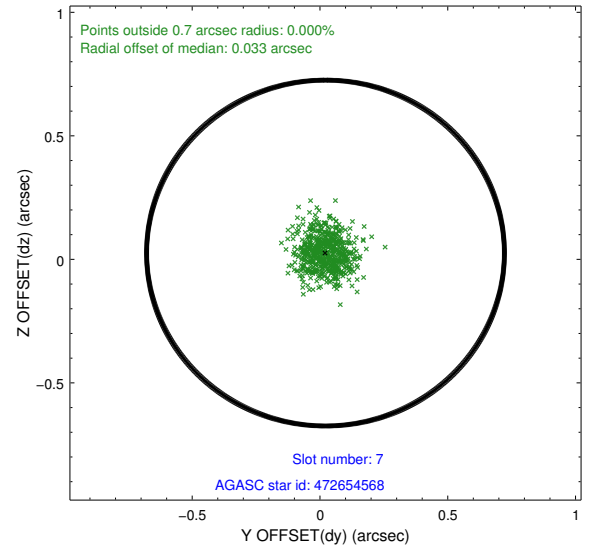
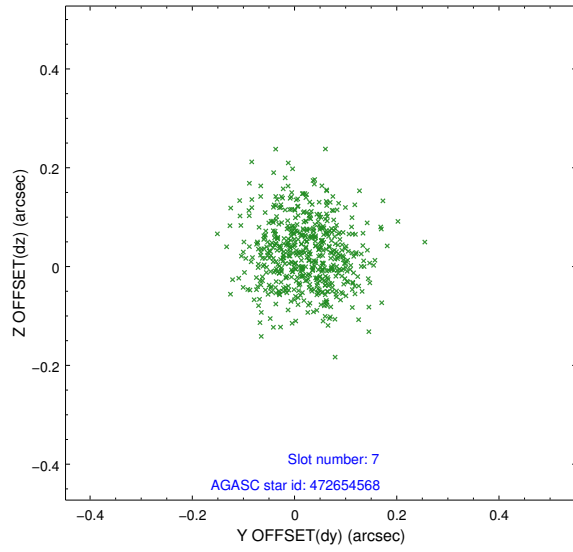
### 2.4.3 Slot 5



## 2.4.4 Slot 6

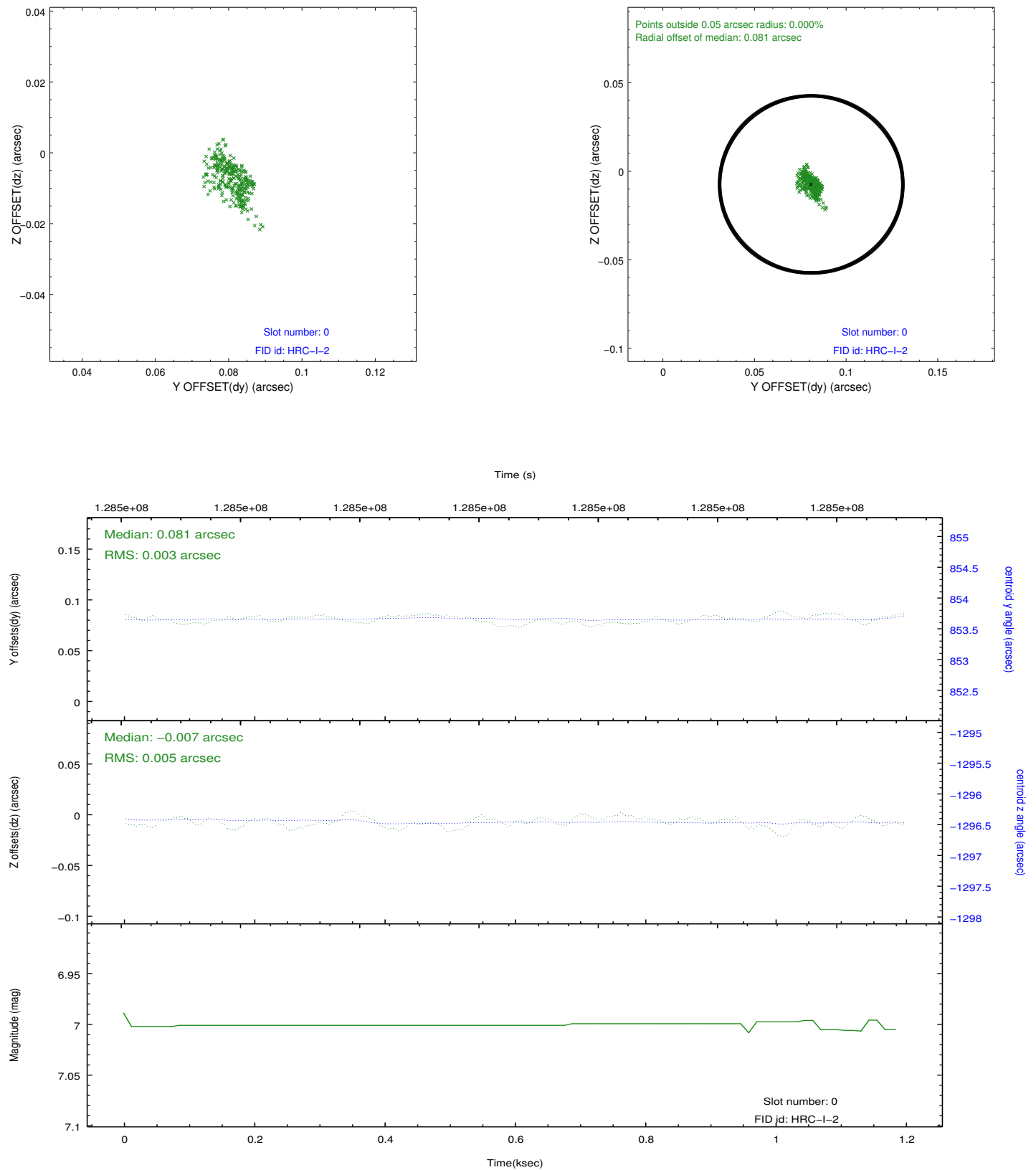


## 2.4.5 Slot 7

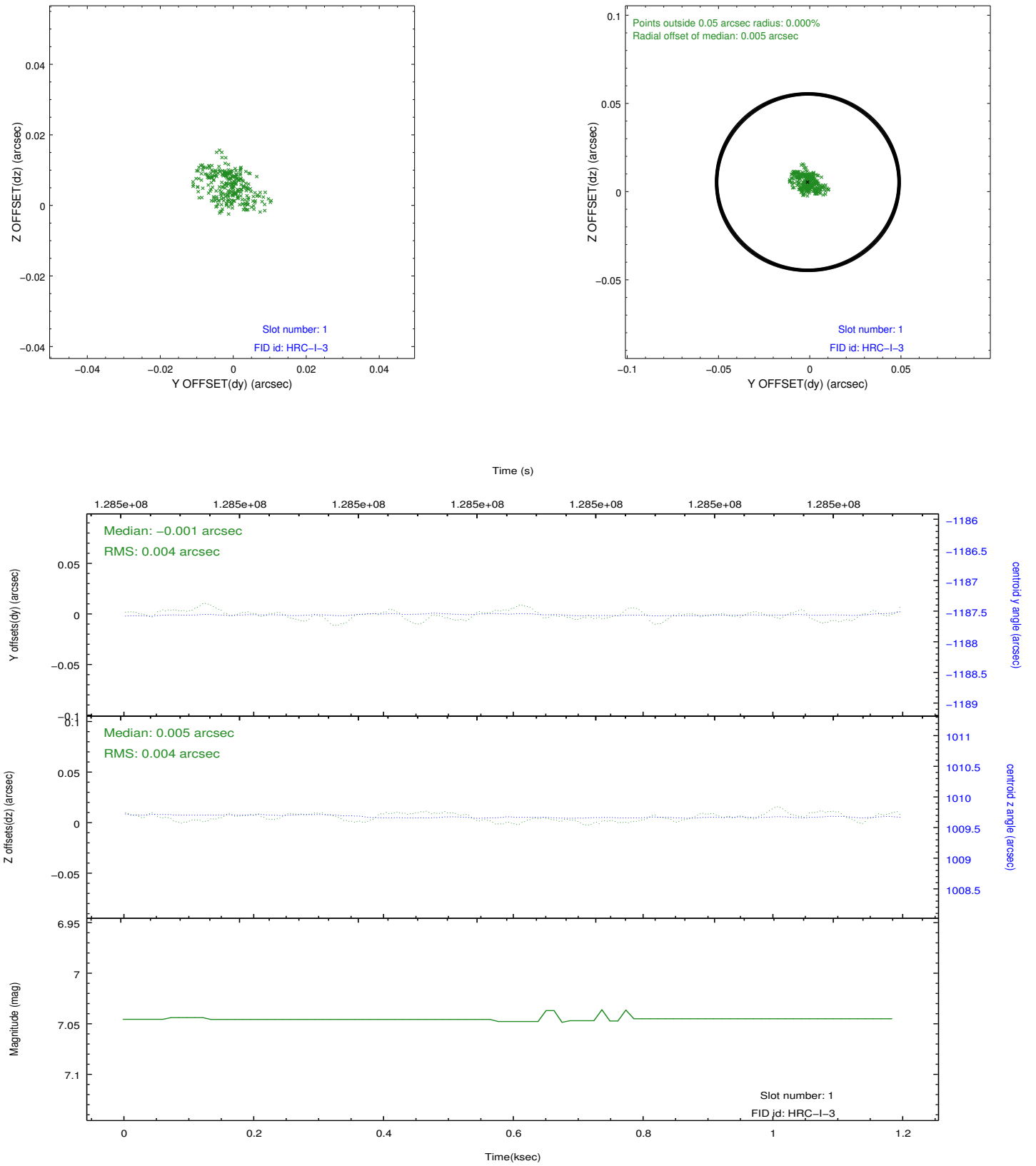


## 2.5 FID Slots

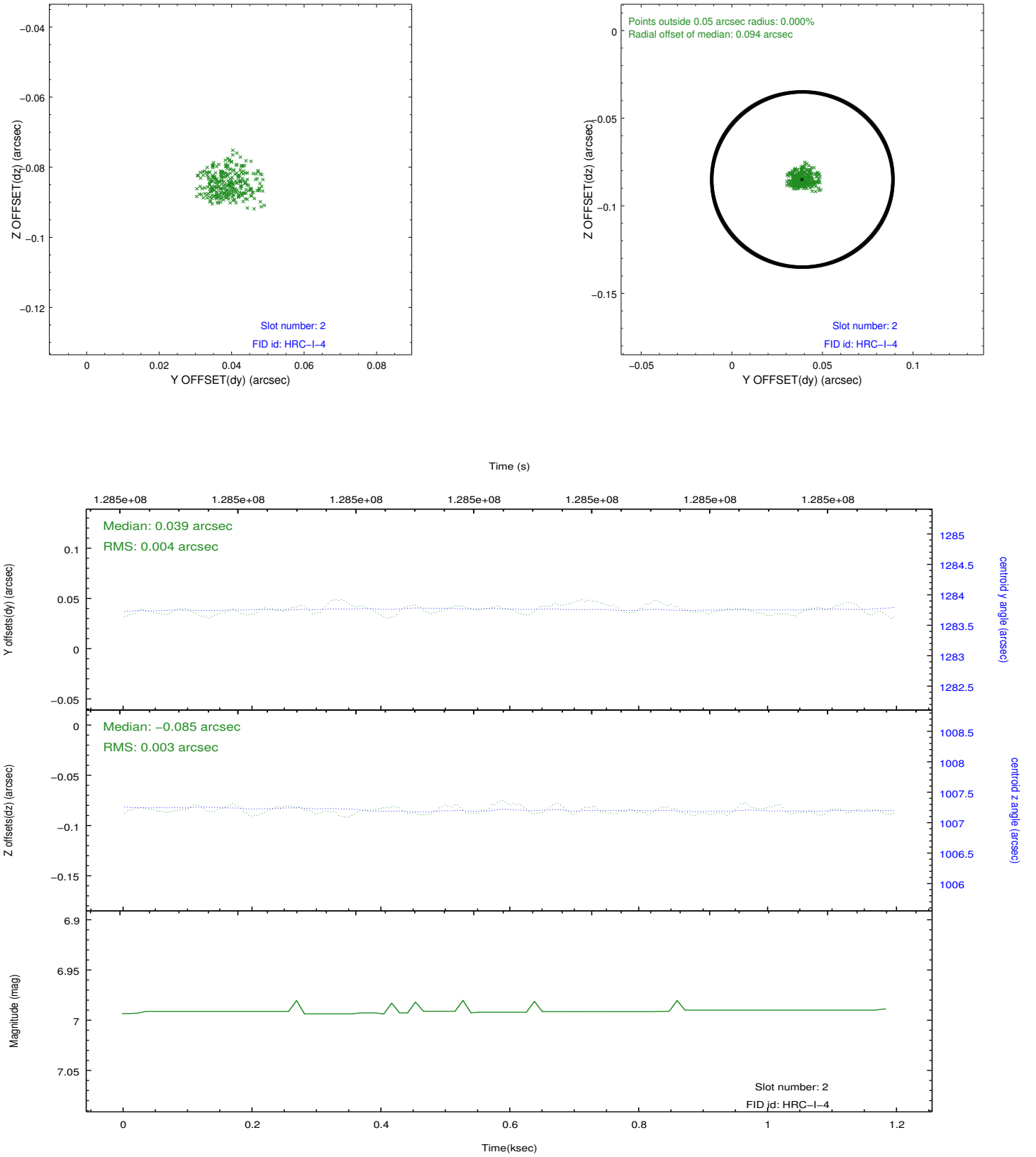
### 2.5.1 Slot 0



## 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**