

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 5998 - L2 Version 4  
Chandra X-Ray Center

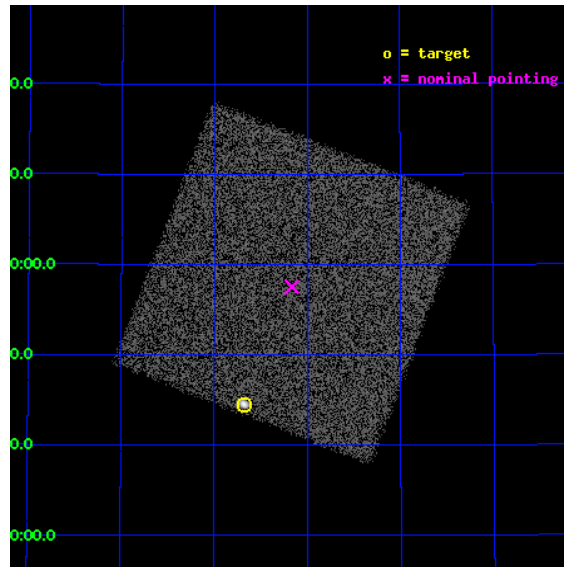
L2 Processing Date : Dec 30 2012

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# 1 Front

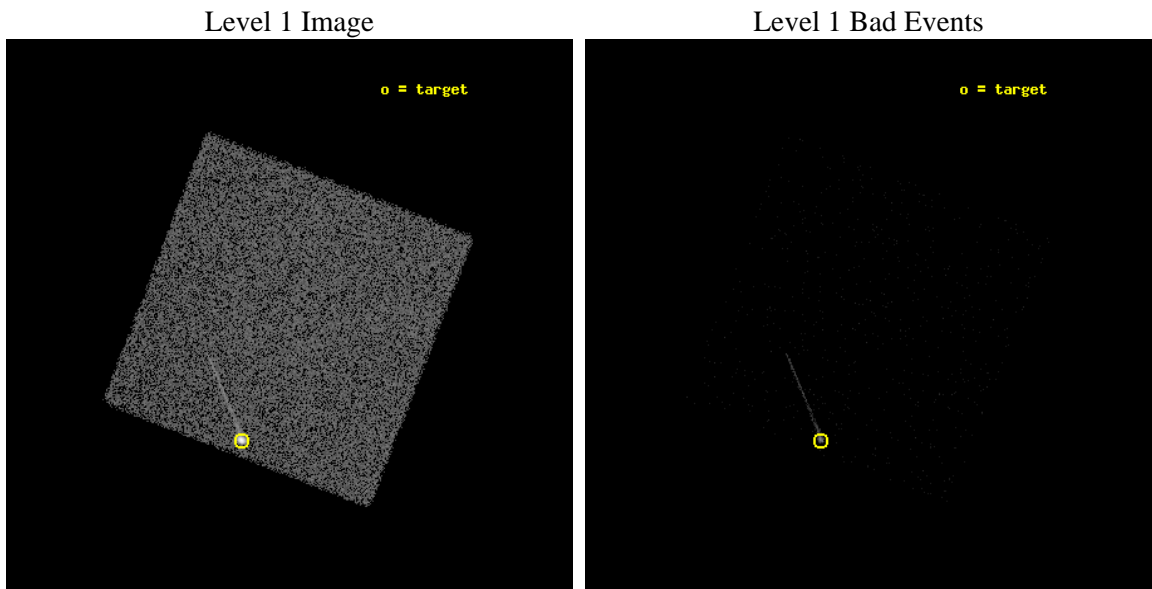
seq_num	290490	Sequence number
obs_id	5998	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.0413529412	Nominal RA [deg]
dec_nom	45.95922534025	Nominal Dec [deg]
roll_nom	246.27618694748	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1188.2313047349	[s]
livetime	1179.2811041691	Ontime multiplied by DTCOR
l2events	50589	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	8.5.1.1	Processing system revision	ontime	1188.2313047349	[s]
caldbver	4.5.5	&#160	l1events	94074	Number of level 1 events
date	2012-12-30T19:37:53	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

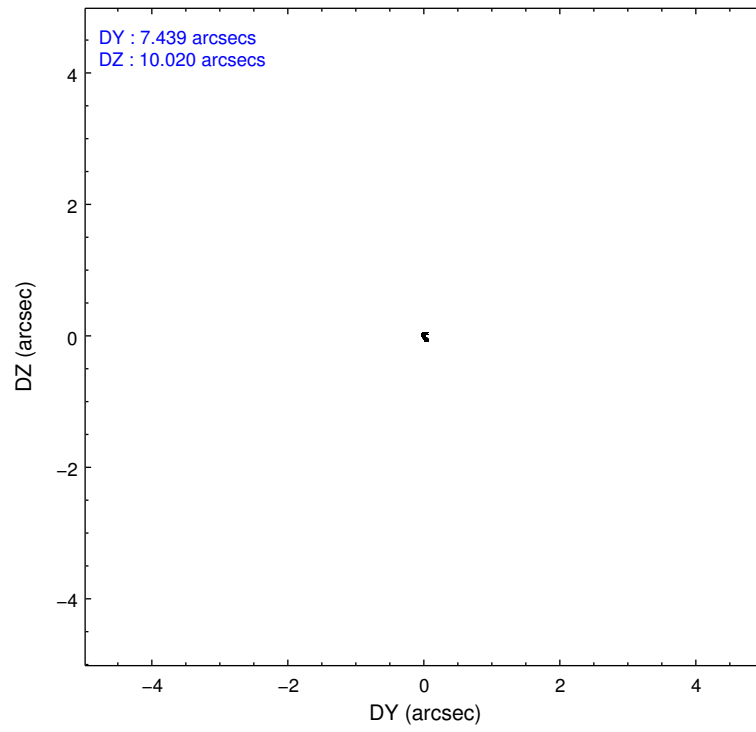
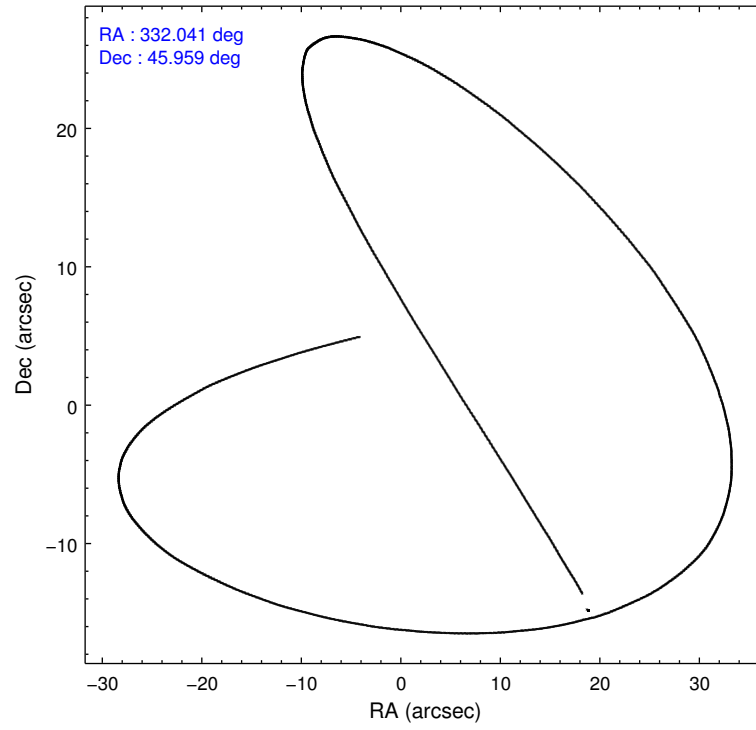
#### Level 1 Events

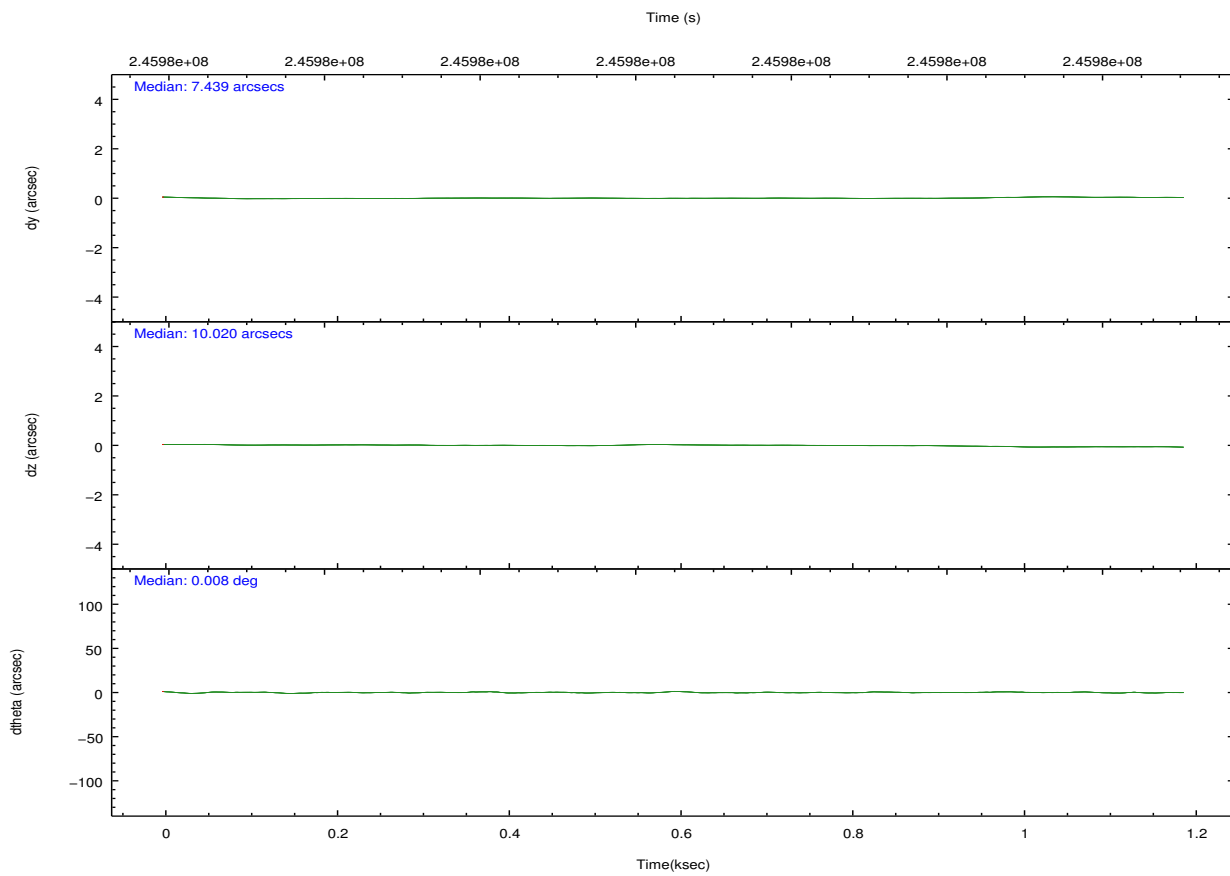
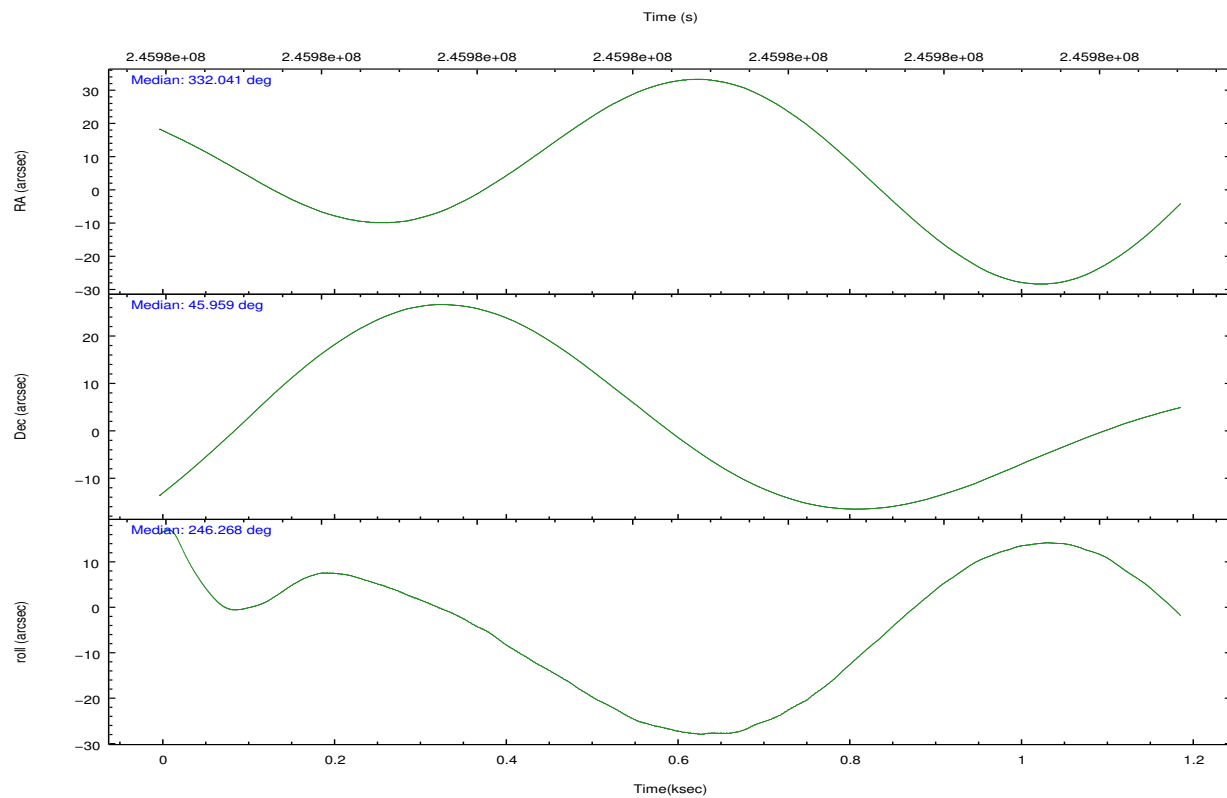
	<b>segment 0</b>
level 1 events	94074
rejected events	20296
rejected %	21%

## 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	332.037437	332.041352941205			
[deg] Pointing Dec	45.985864	45.95922534025013			
[deg] Pointing Roll	246.374161	246.2761869474782			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	245975641.184000	245975265.67885			
Observation start date	2005-10-17T22:32:57	2005-10-17T22:27:45			
[s] Observation end time (MET)	245976641.184000	245976776.01642			
Observation end date	2005-10-17T22:49:37	2005-10-17T22:52:56			

## 2.3 Aspect



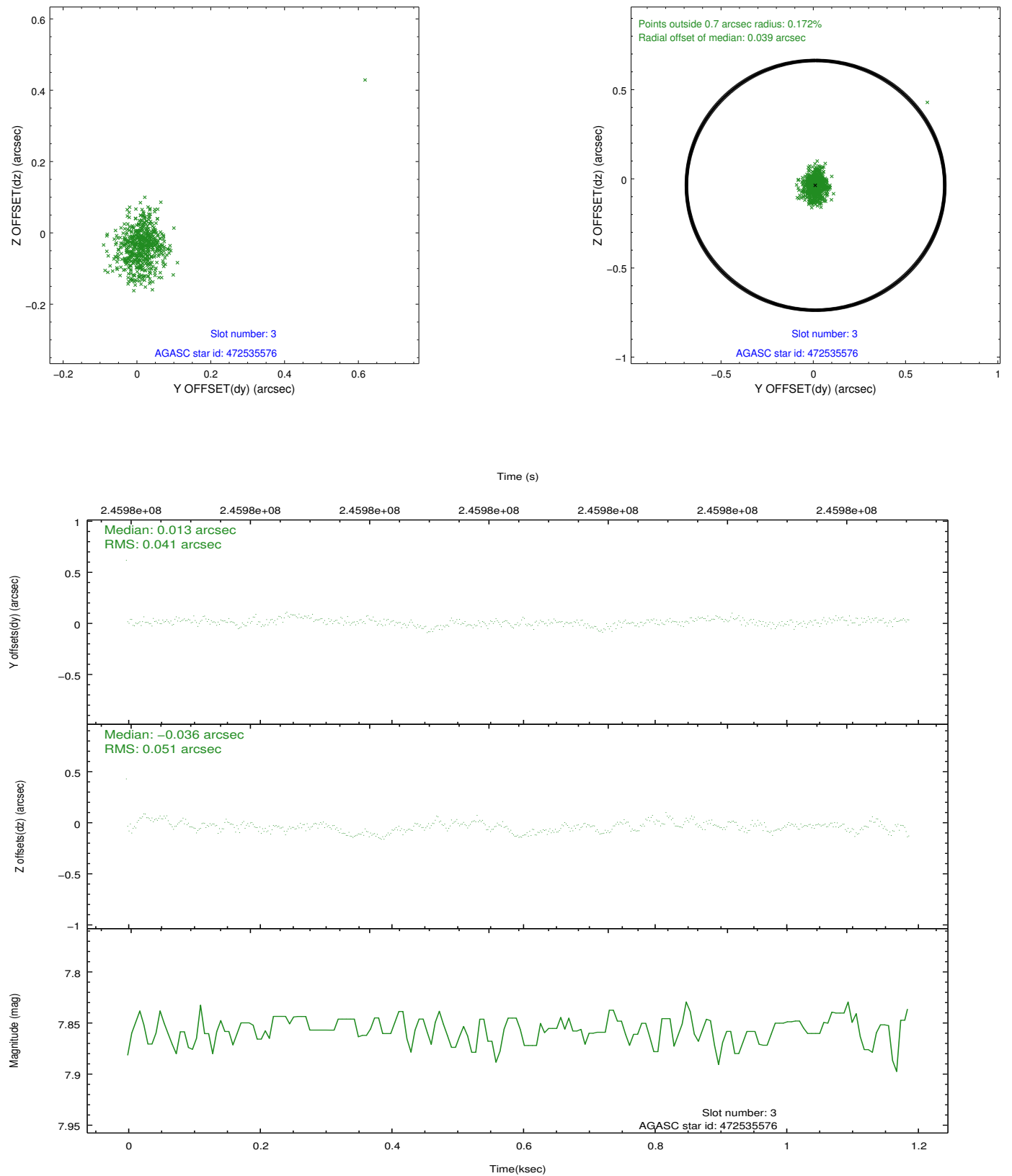


Slot Statistics

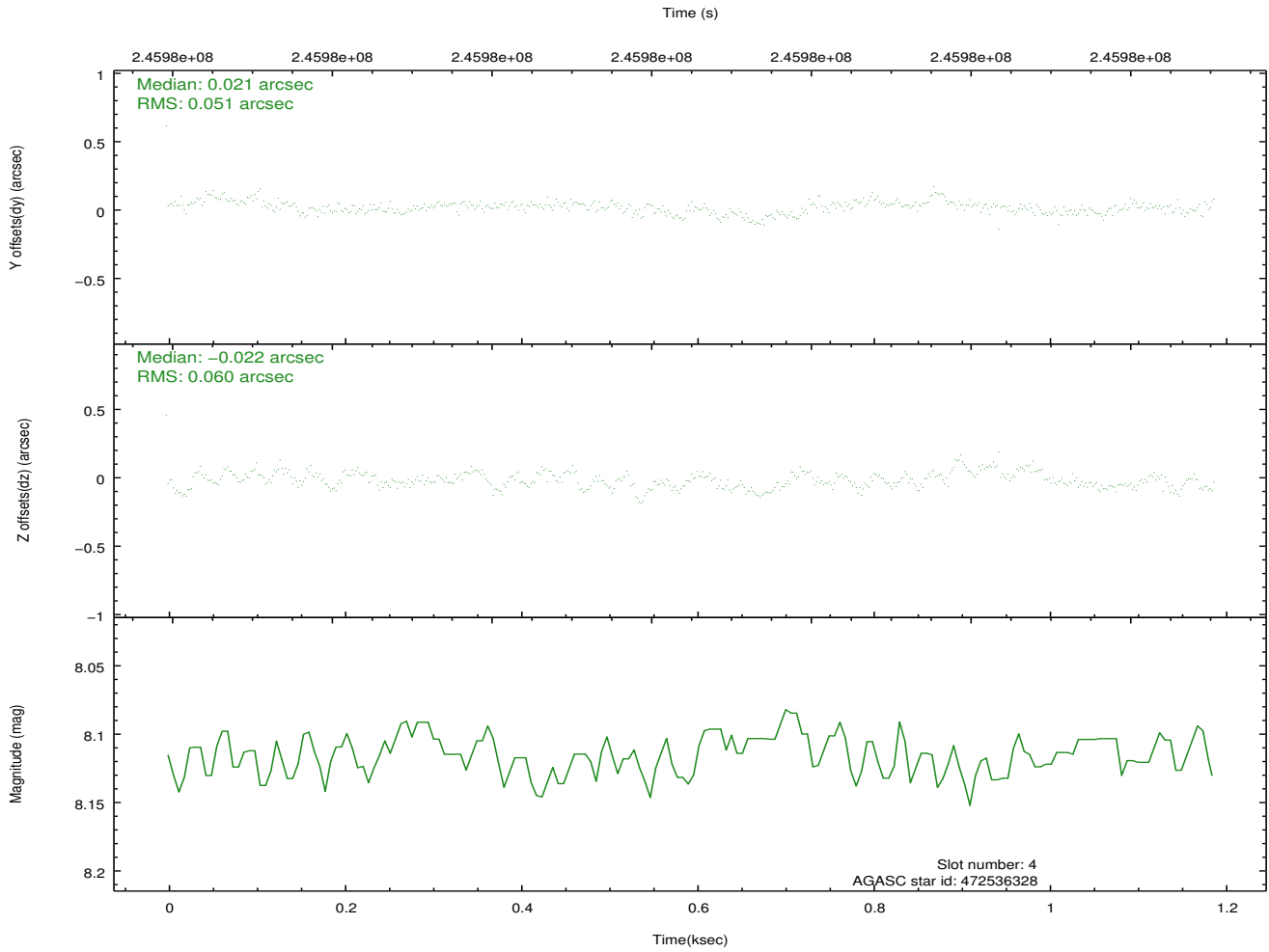
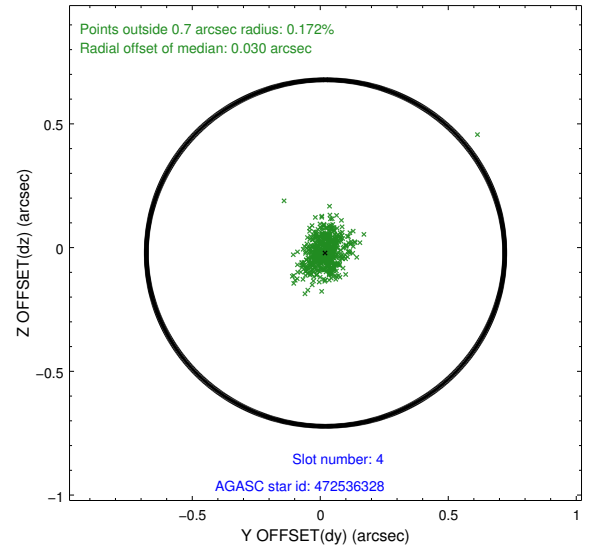
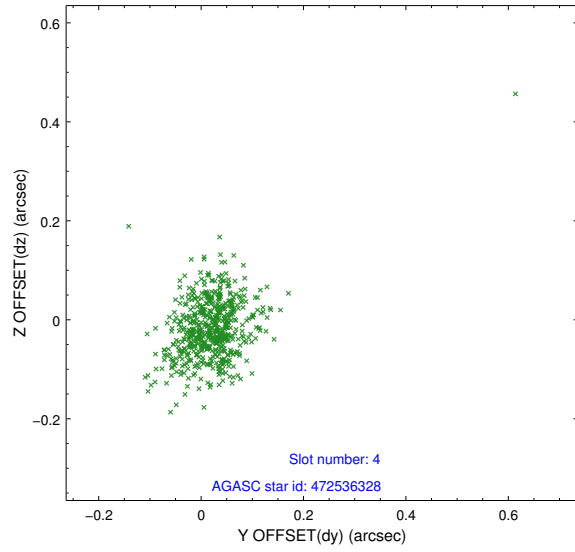
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.06	291	0.043	-0.060	0.006	0.010	0.000000	0.000000	849.66	-1299.56
1	FID	HRC-I-3	7.10	291	-0.076	-0.021	0.006	0.011	0.000000	0.000000	-1188.70	1002.11
2	FID	HRC-I-4	7.04	291	0.152	-0.005	0.006	0.010	0.000000	0.000000	1275.81	1007.68
3	GUIDE	472535576	7.86	581	0.013	-0.036	0.062	0.102	331.438373	46.291802	-416.89	-1805.50
4	GUIDE	472536328	8.11	581	0.021	-0.022	0.075	0.123	331.496671	46.454831	-1014.07	-1906.96
5	GUIDE	472537064	8.93	581	-0.066	0.065	0.102	0.165	331.323423	46.483499	-940.96	-2342.57
6	GUIDE	472655152	9.43	581	0.047	0.117	0.114	0.184	332.504239	45.862991	-68.80	1247.73
7	GUIDE	472665256	9.03	580	-0.007	-0.115	0.088	0.147	332.808125	46.195041	-1468.68	1459.34

## 2.4 Star Slots

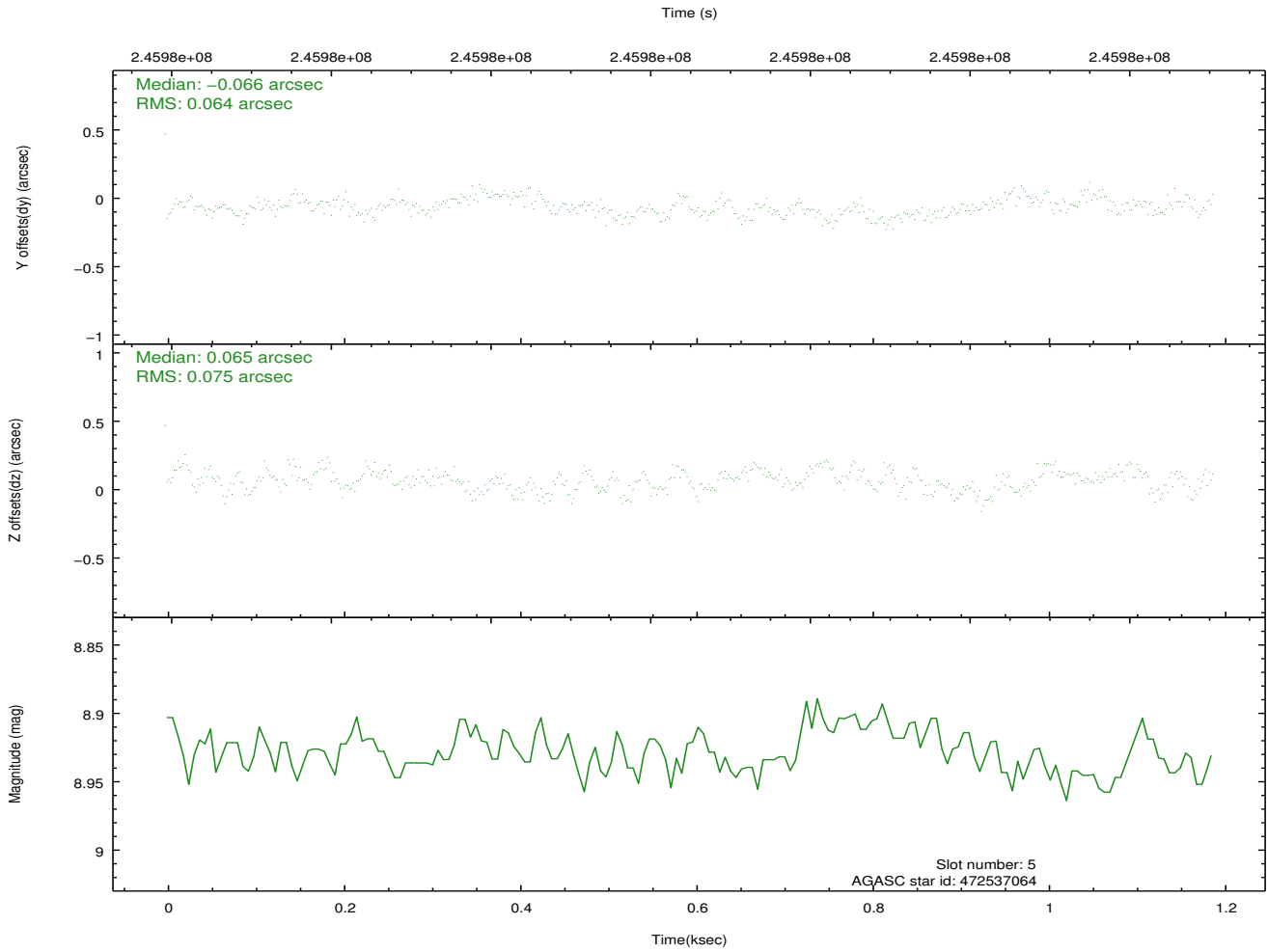
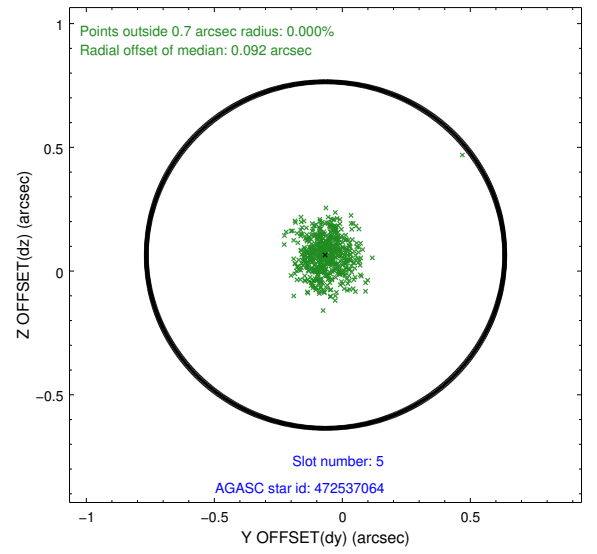
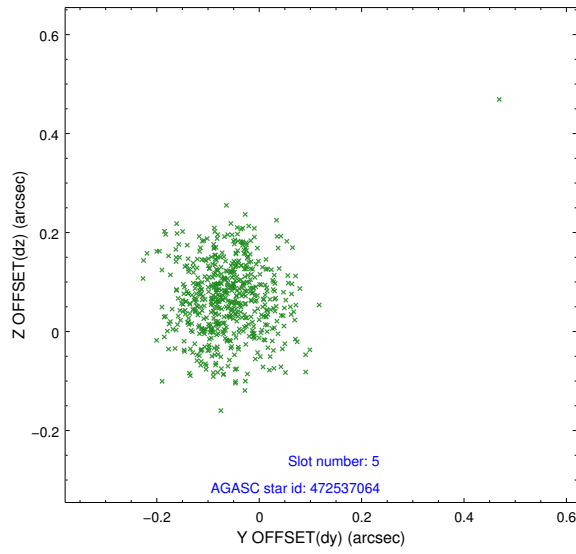
### 2.4.1 Slot 3



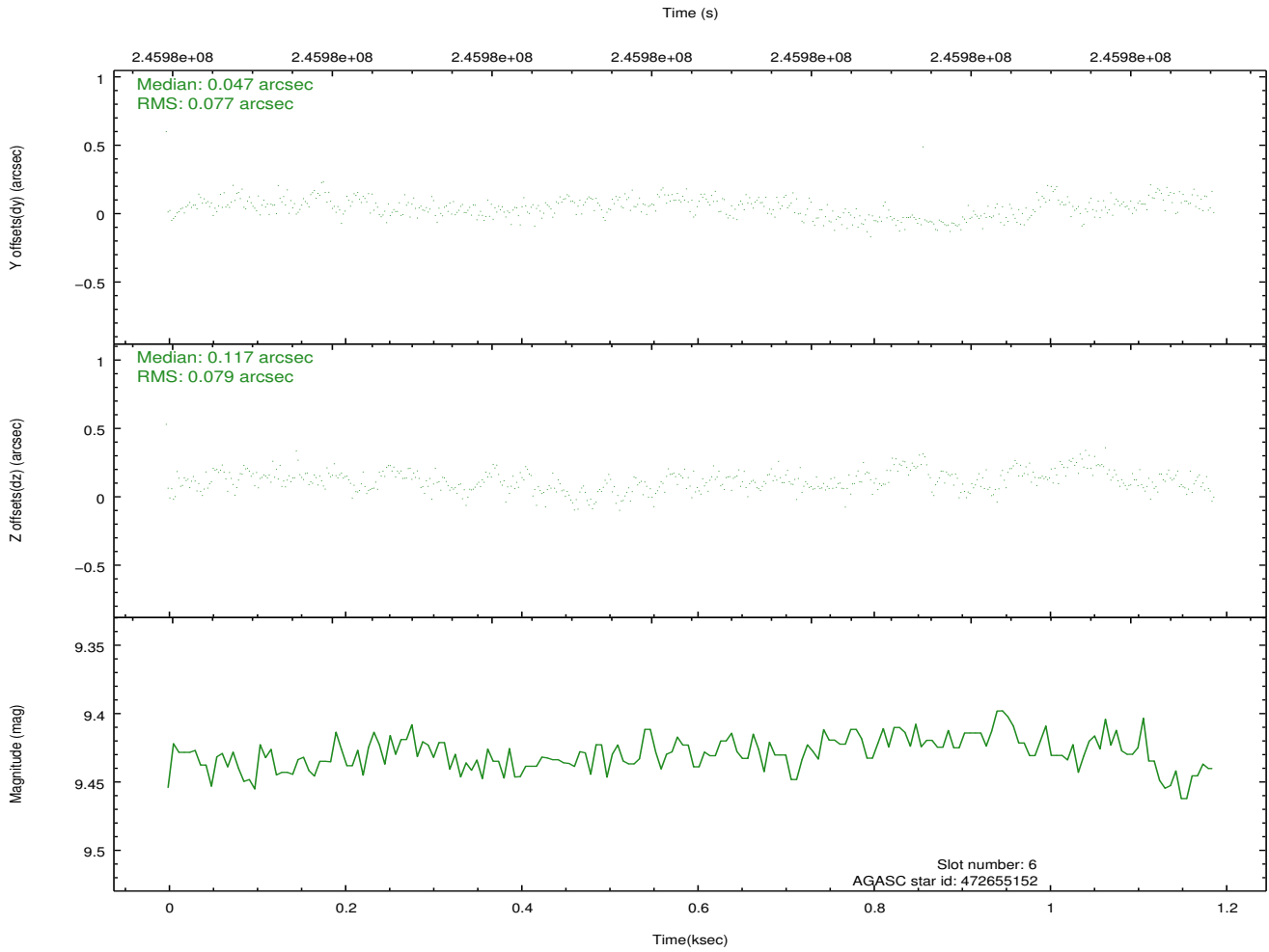
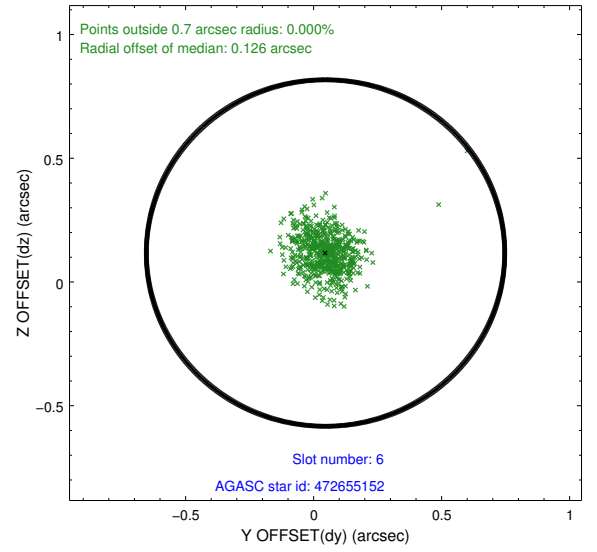
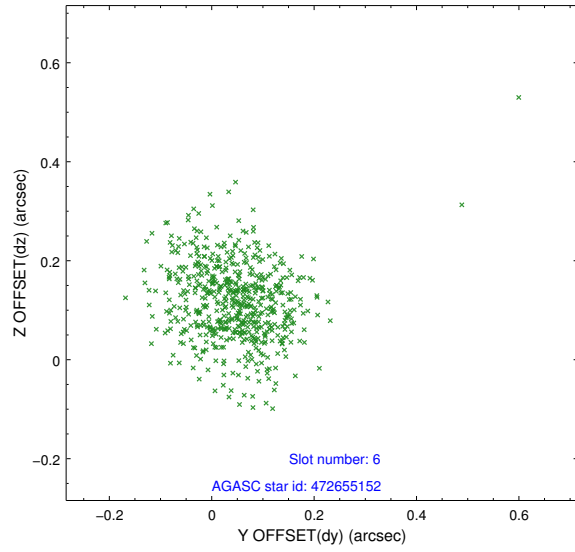
## 2.4.2 Slot 4



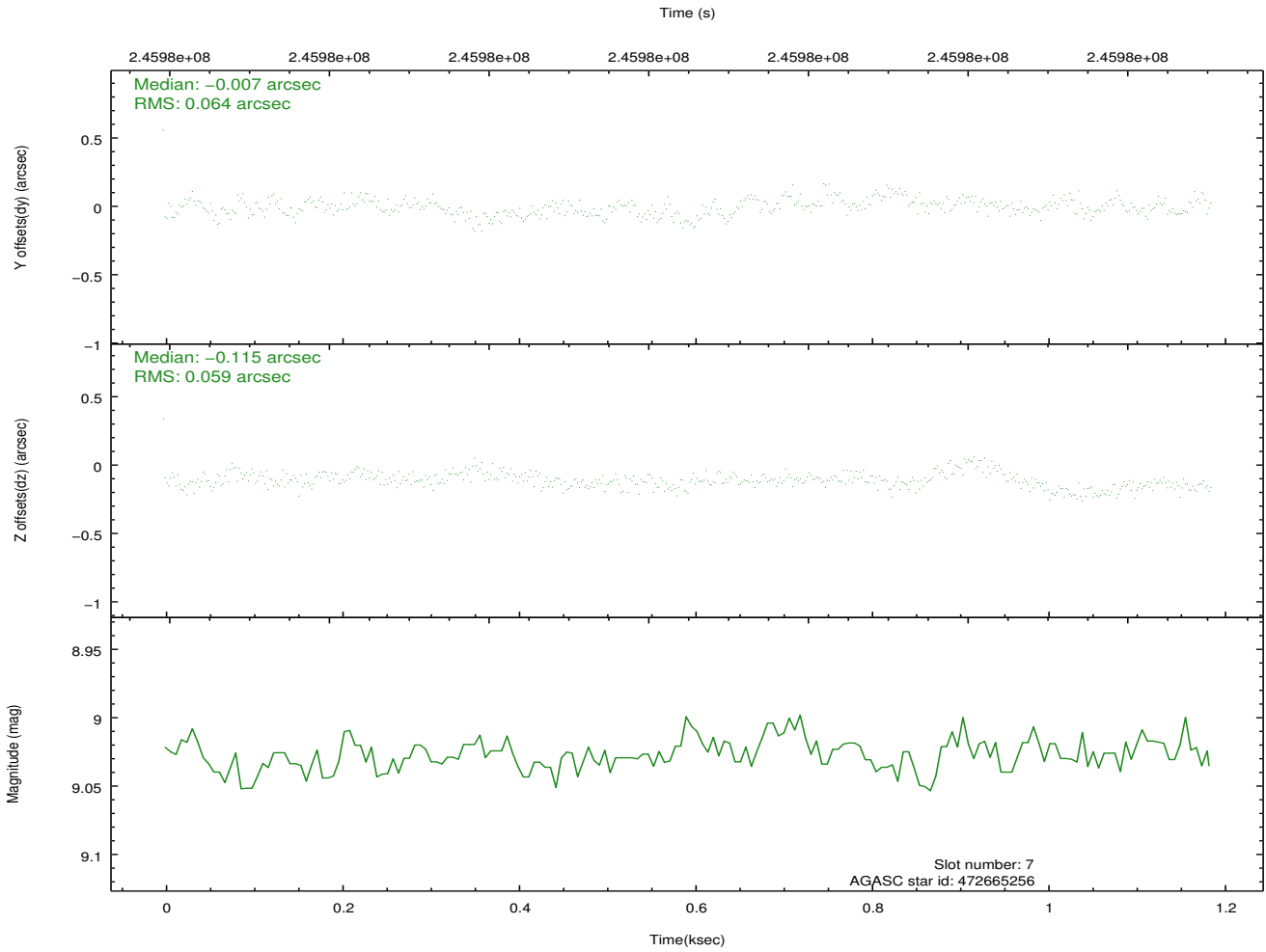
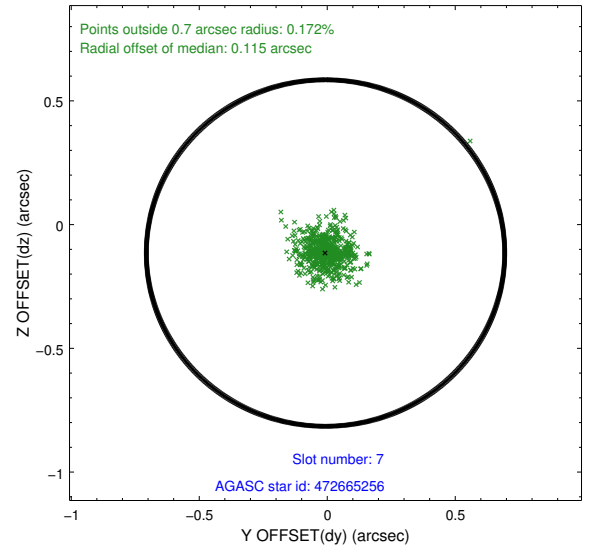
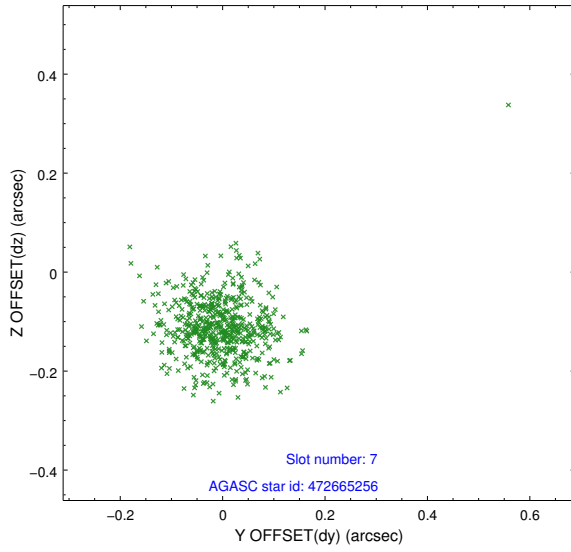
### 2.4.3 Slot 5



## 2.4.4 Slot 6

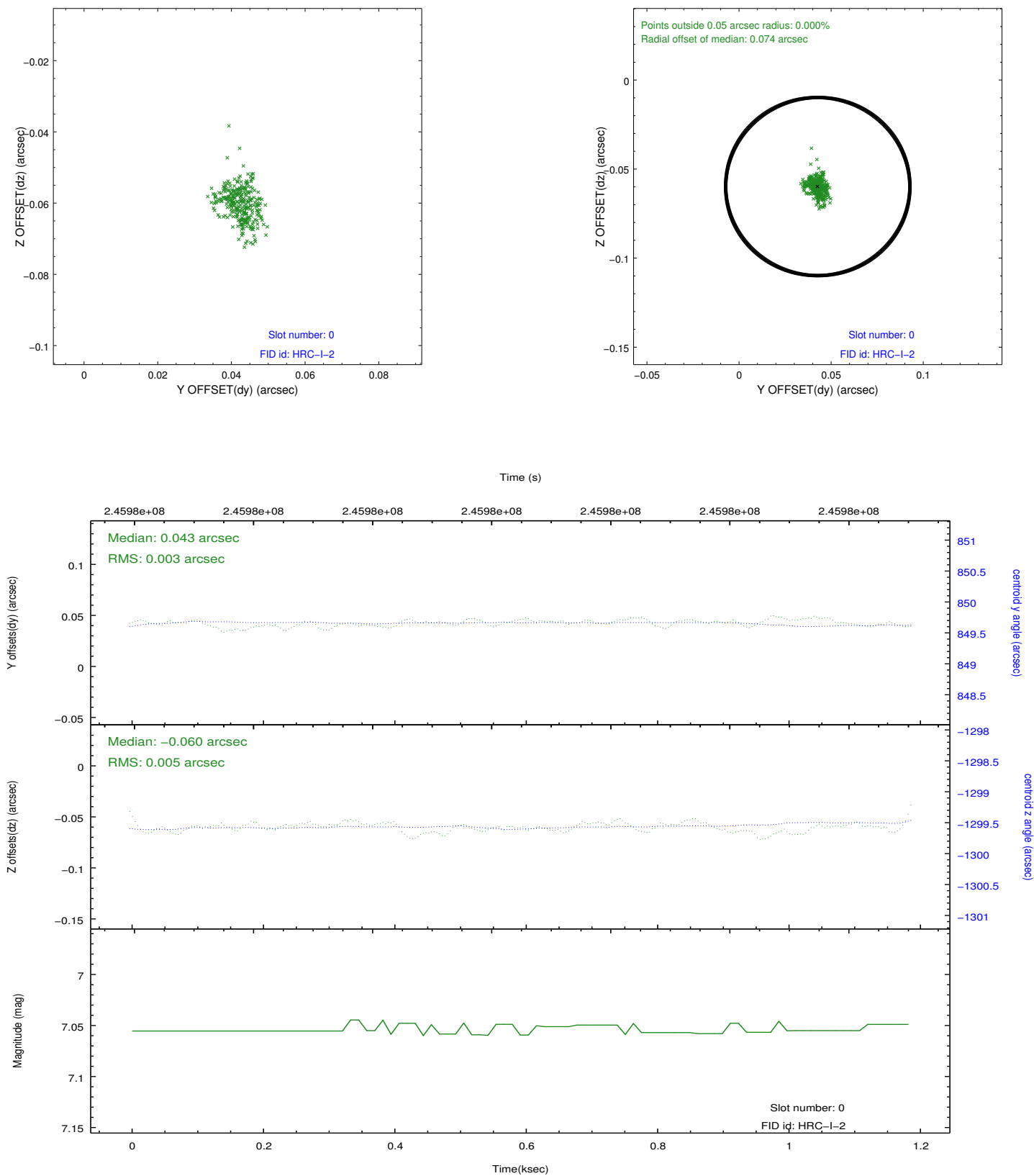


## 2.4.5 Slot 7

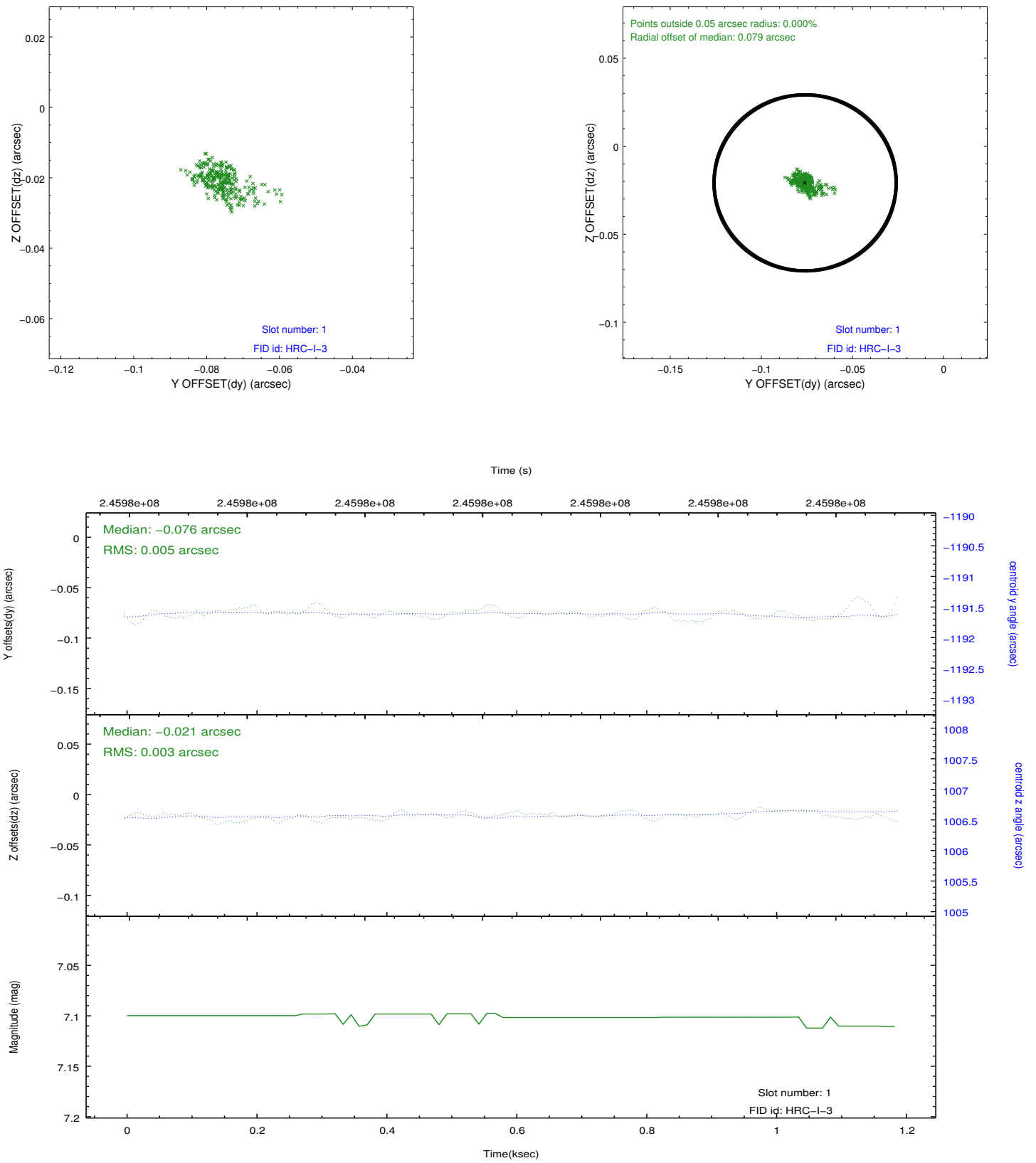


## 2.5 FID Slots

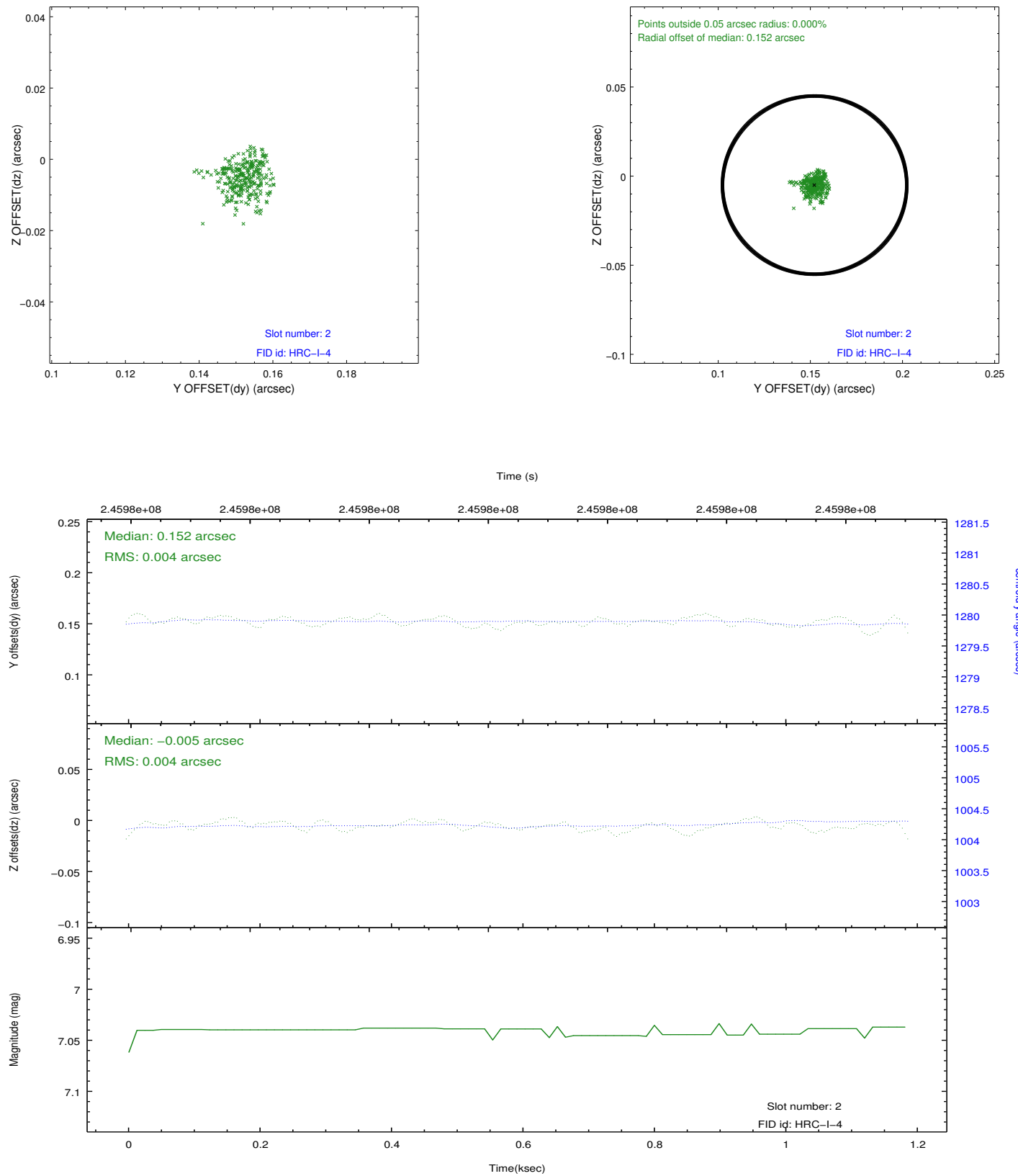
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.188231

### A.2 Comments