

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13063 - L2 Version 3  
Chandra X-Ray Center

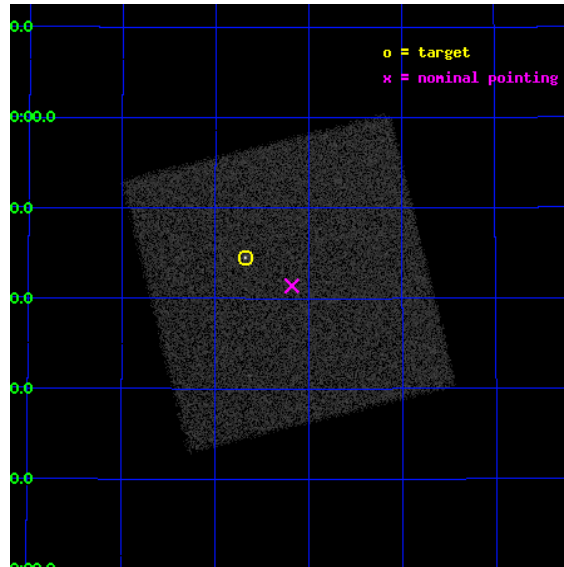
L2 Processing Date : Jul 27 2012

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# 1 Front

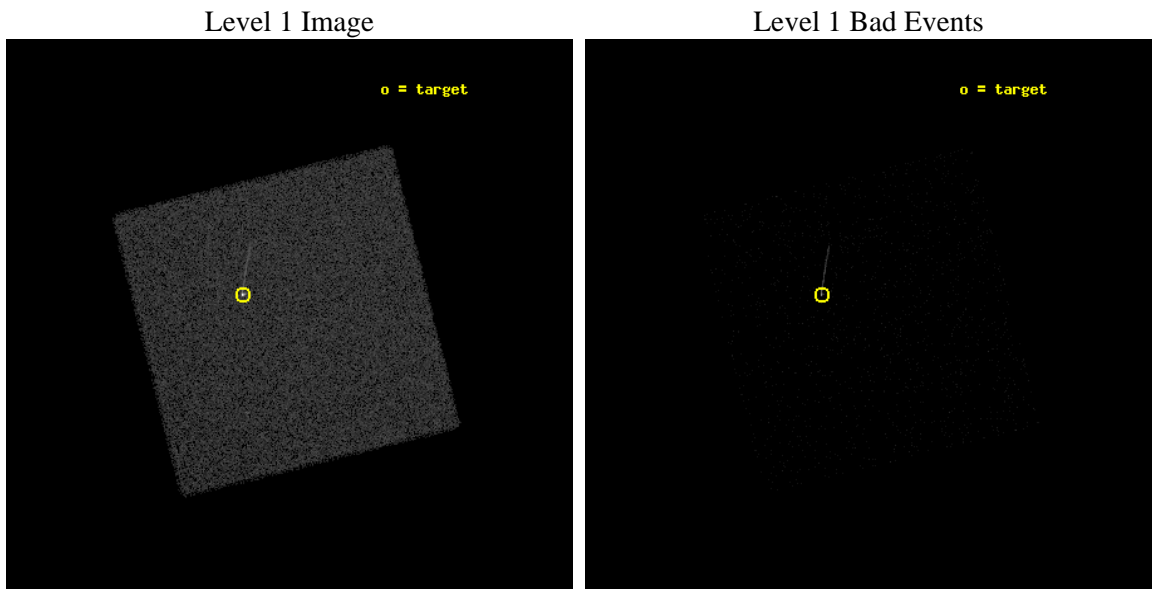
seq_num	290982	Sequence number
obs_id	13063	Observation id
title	AO-12 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.04478330191	Nominal RA [deg]
dec_nom	45.690270945794	Nominal Dec [deg]
roll_nom	211.04875460554	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1184.1313121319	[s]
livetime	1172.7424491646	Ontime multiplied by DTCOR
l2events	83387	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	1184.1313121319	[s]
caldbver	4.5.1	&#160	l1events	145224	Number of level 1 events
date	2012-07-28T02:24:47	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

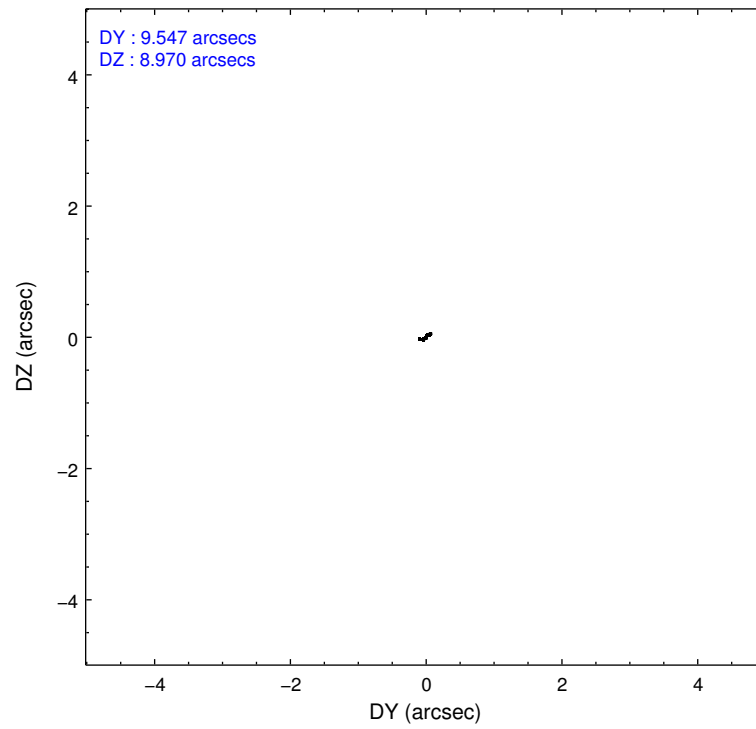
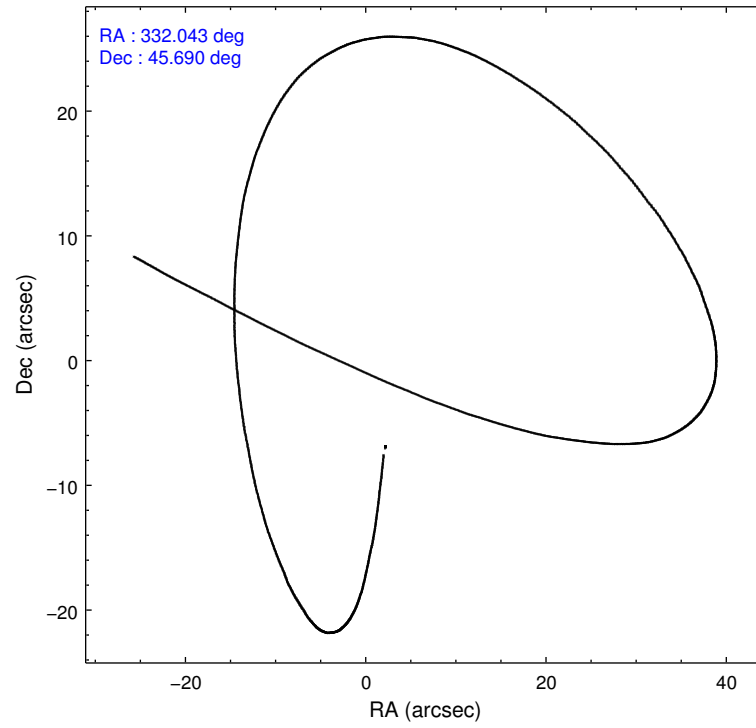
	<b>segment 0</b>
level 1 events	145224
rejected events	31397
rejected %	21%

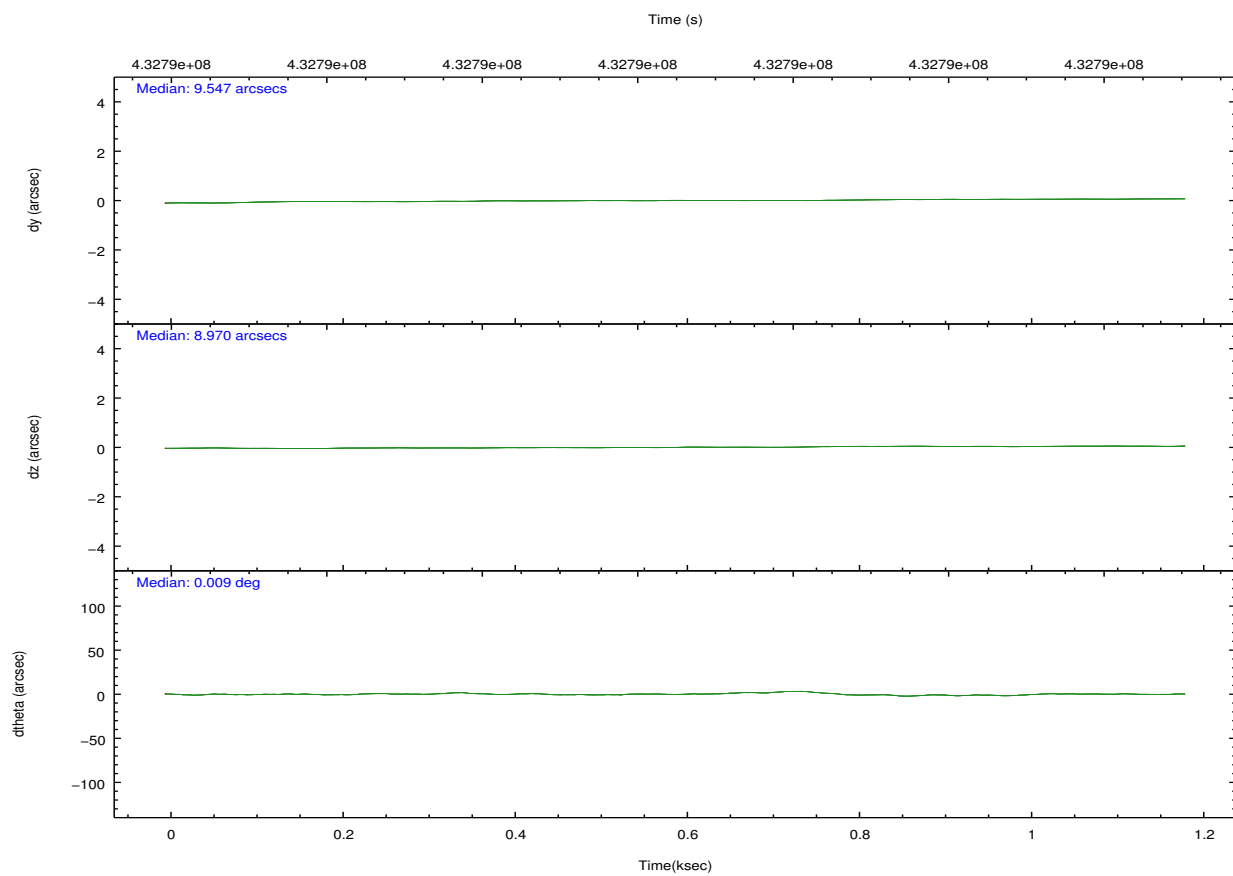
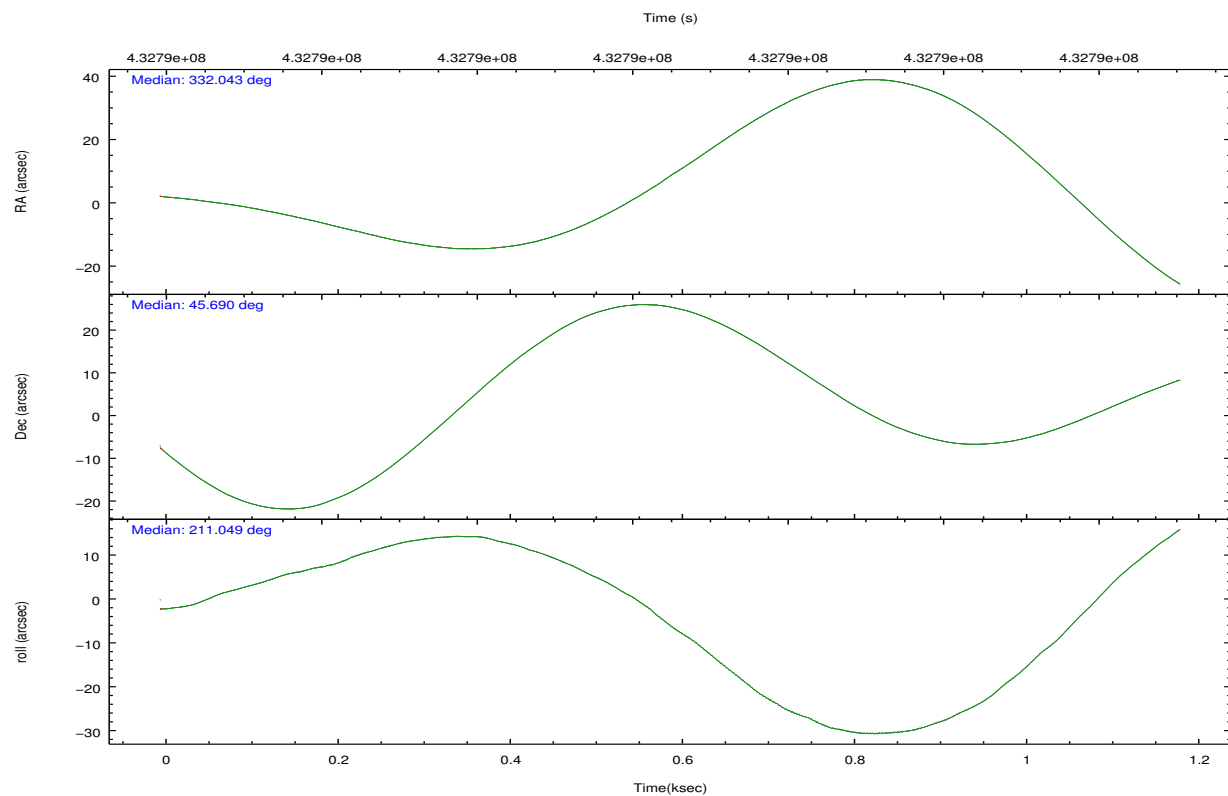
## 2.2 Compared Parameters

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	332.062512	332.0447833019062
[deg] Pointing Dec	45.715346	45.69027094579417
[deg] Pointing Roll	211.131502	211.0487546055445
[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)	432792435.184000	432792059.73635
Observation start date	2011-09-19T04:06:09	2011-09-19T04:00:59
[s] Observation end time (MET)	432793435.184000	432793569.56143
Observation end date	2011-09-19T04:22:49	2011-09-19T04:26:09

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

## 2.3 Aspect



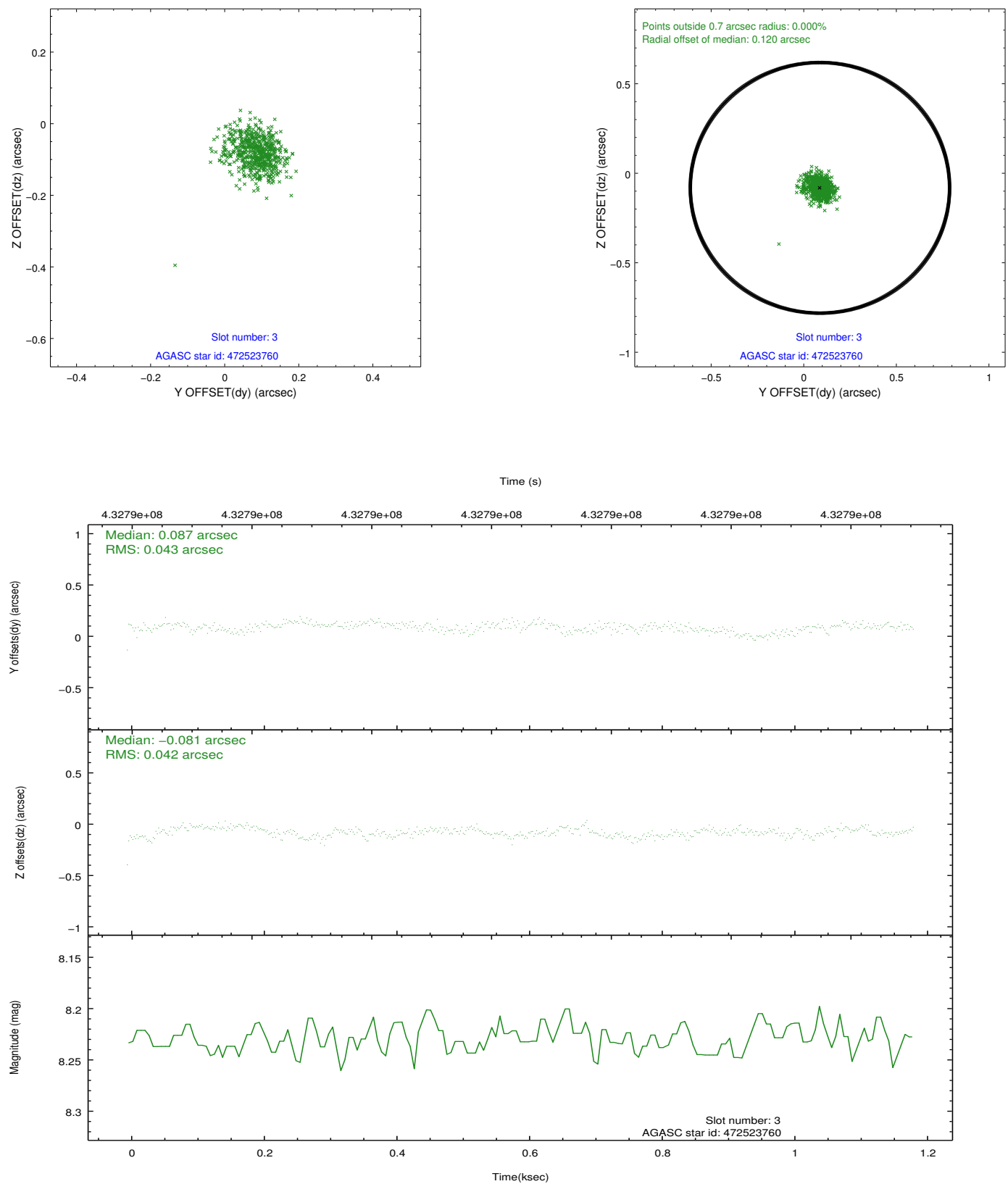


Slot Statistics

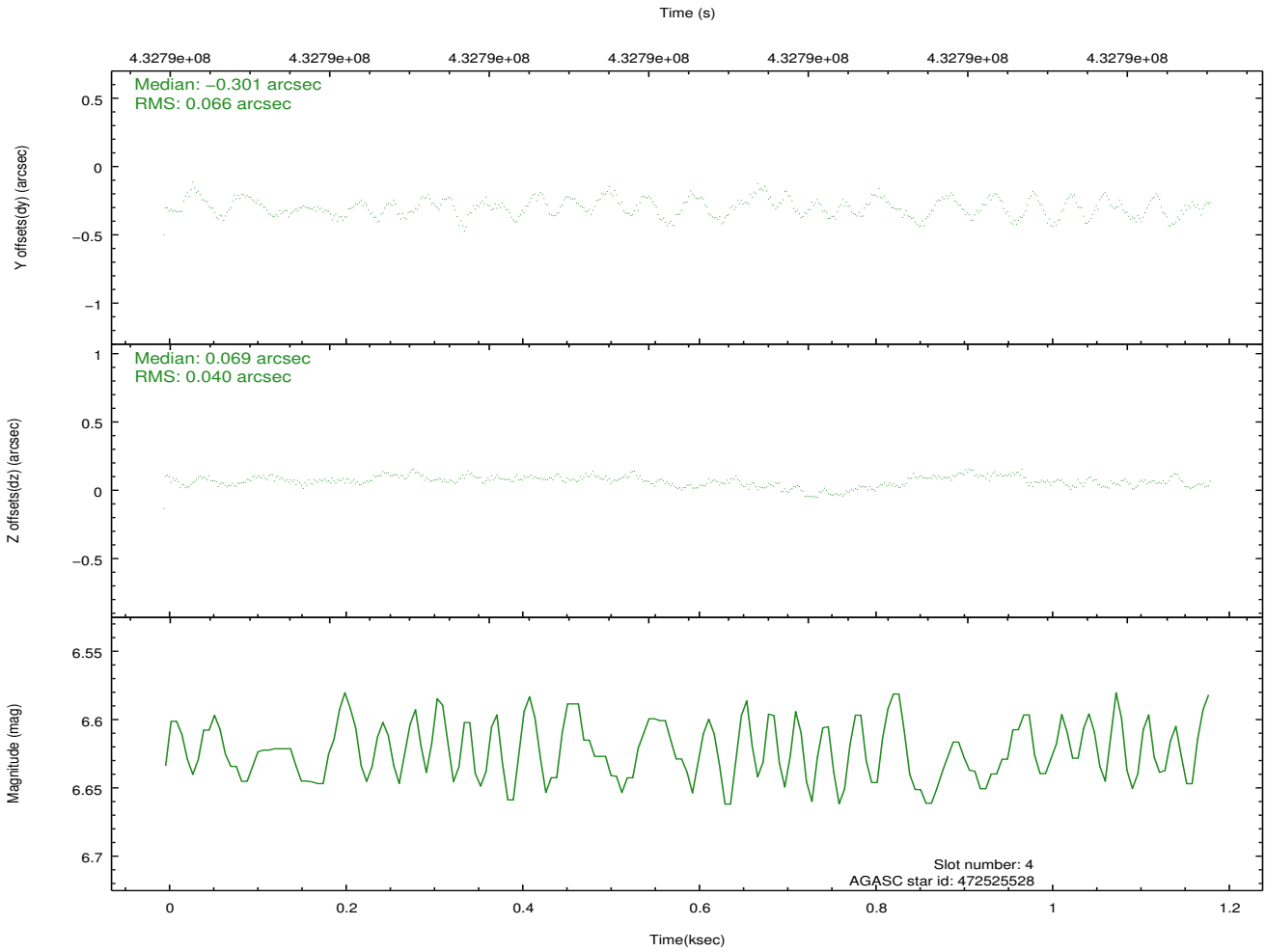
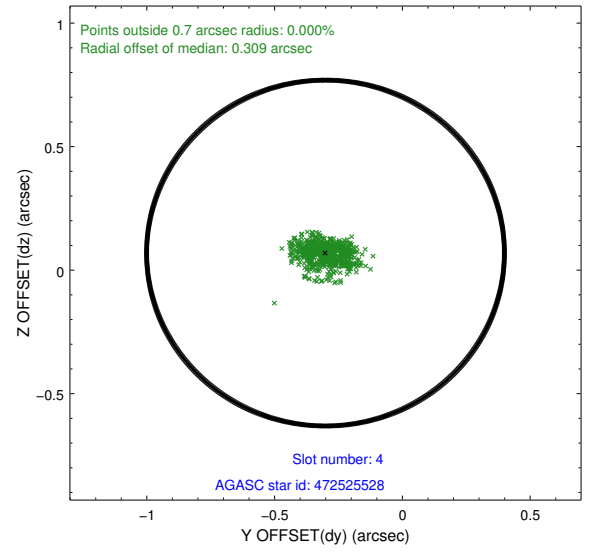
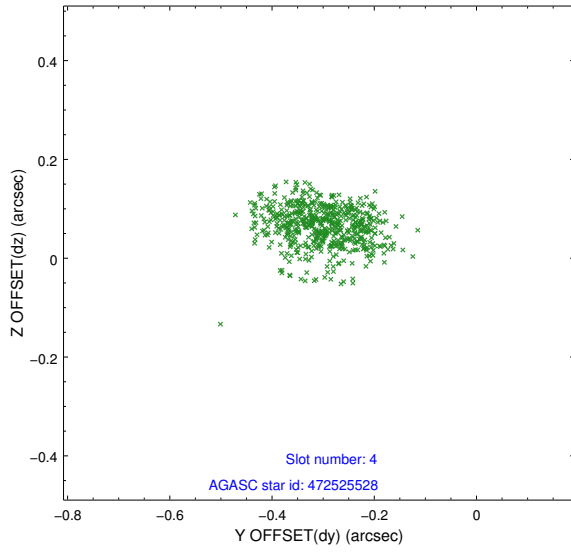
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	290	-0.049	0.031	0.011	0.025	0.000000	0.000000	-765.25	-1296.85
1	FID	HRC-I-2	6.99	290	0.215	-0.143	0.008	0.014	0.000000	0.000000	845.01	-1303.06
2	FID	HRC-I-3	7.04	290	-0.049	0.024	0.010	0.031	0.000000	0.000000	-1190.82	1003.21
3	GUIDE	472523760	8.23	578	0.087	-0.081	0.064	0.101	331.645363	45.403260	1481.42	410.91
4	GUIDE	472525528	6.63	579	-0.301	0.069	0.082	0.133	331.551102	45.248694	1977.43	761.87
5	GUIDE	472533912	9.15	579	0.078	0.176	0.133	0.211	331.791136	46.368695	-636.83	-2364.63
6	GUIDE	472655152	9.41	579	0.069	-0.048	0.130	0.216	332.504239	45.862991	-1226.07	107.65
7	GUIDE	420754040	9.04	577	0.067	-0.098	0.093	0.161	331.917939	44.882543	1861.42	2372.56

## 2.4 Star Slots

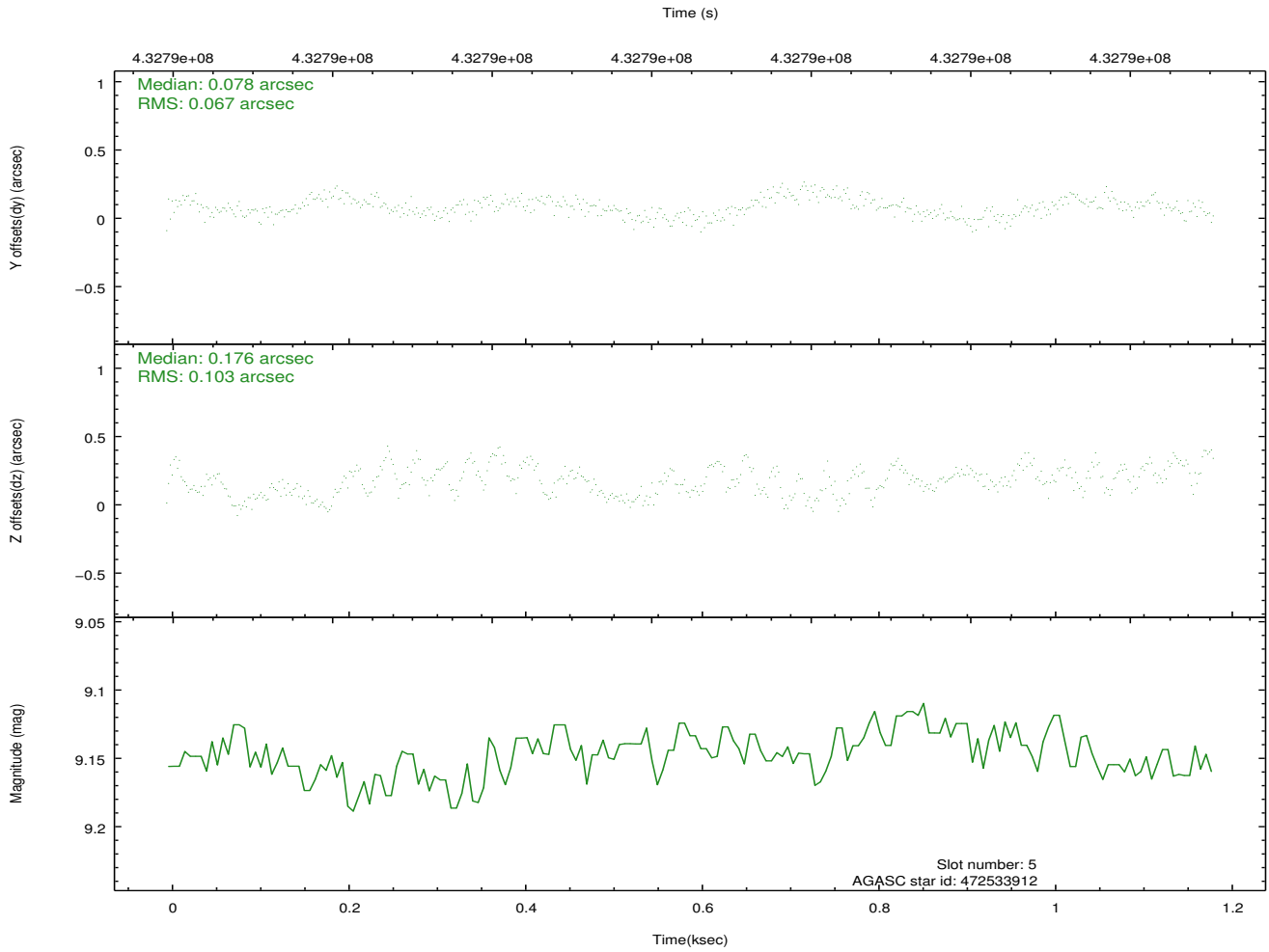
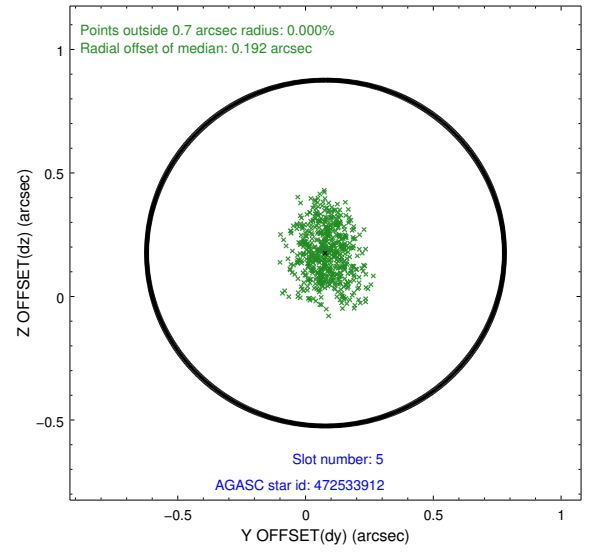
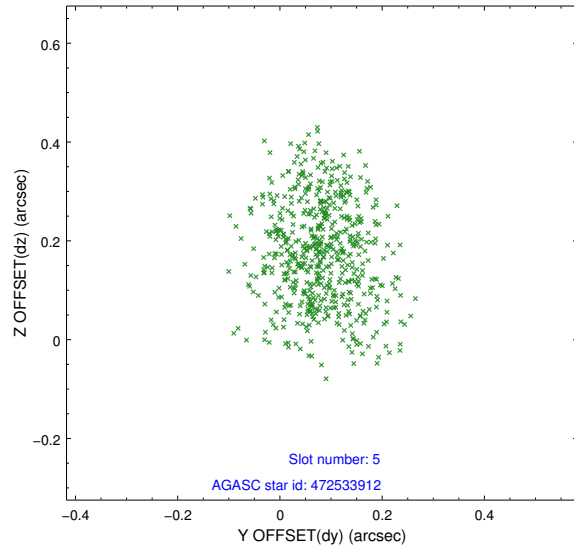
### 2.4.1 Slot 3



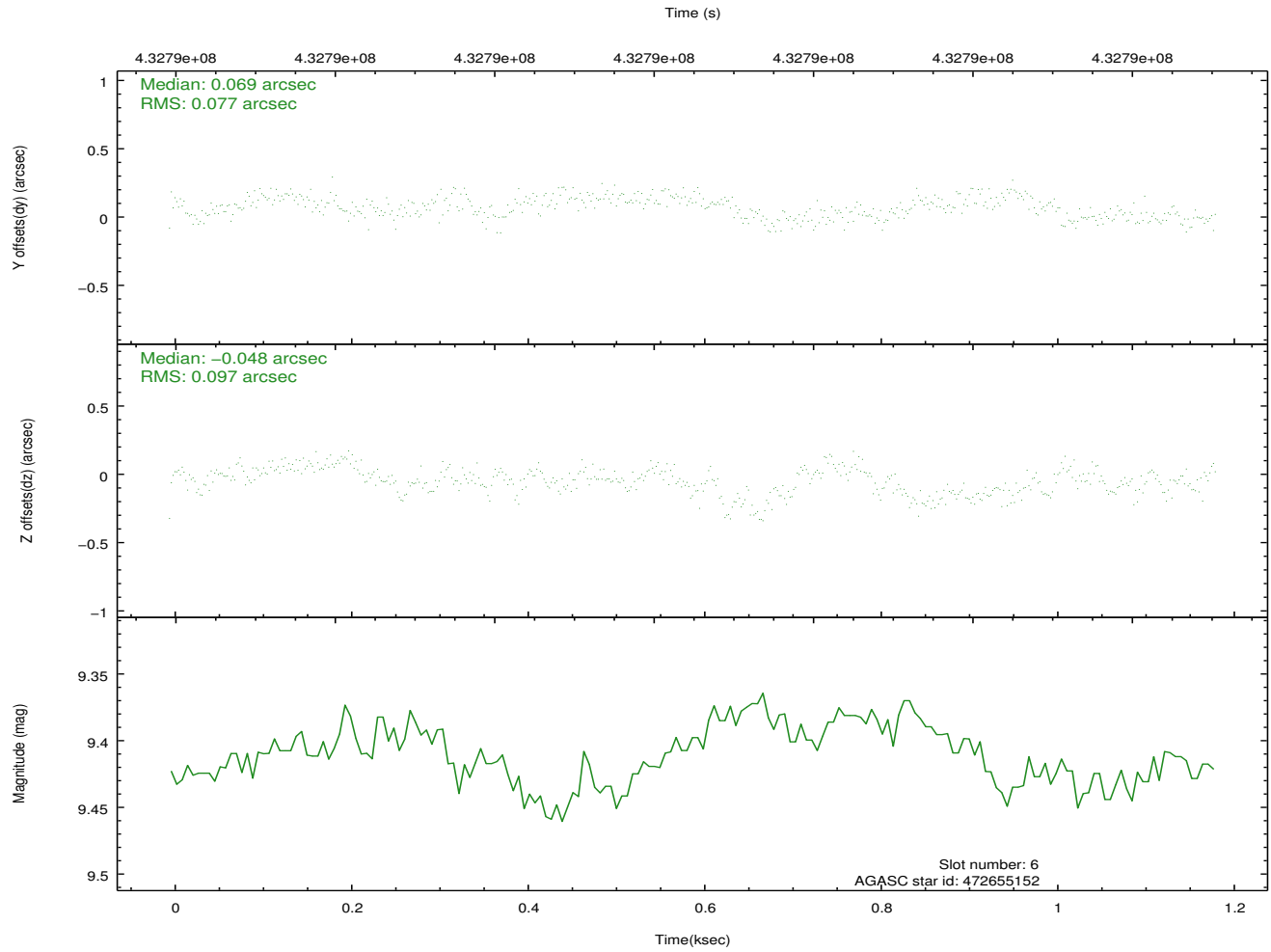
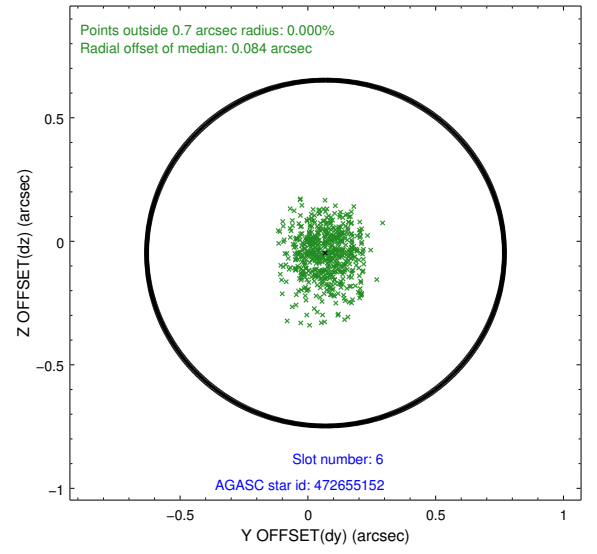
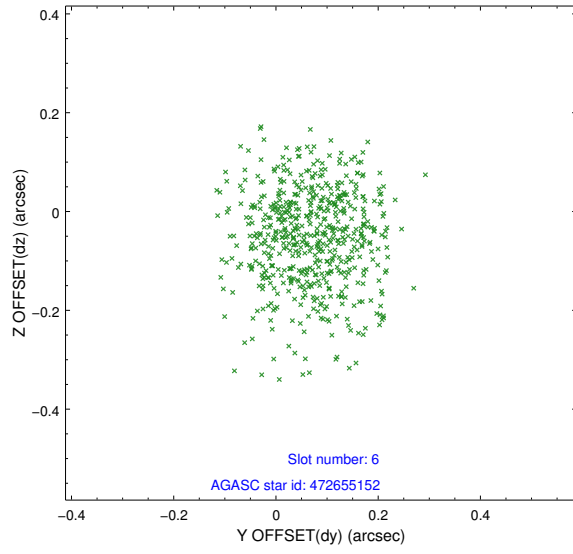
## 2.4.2 Slot 4



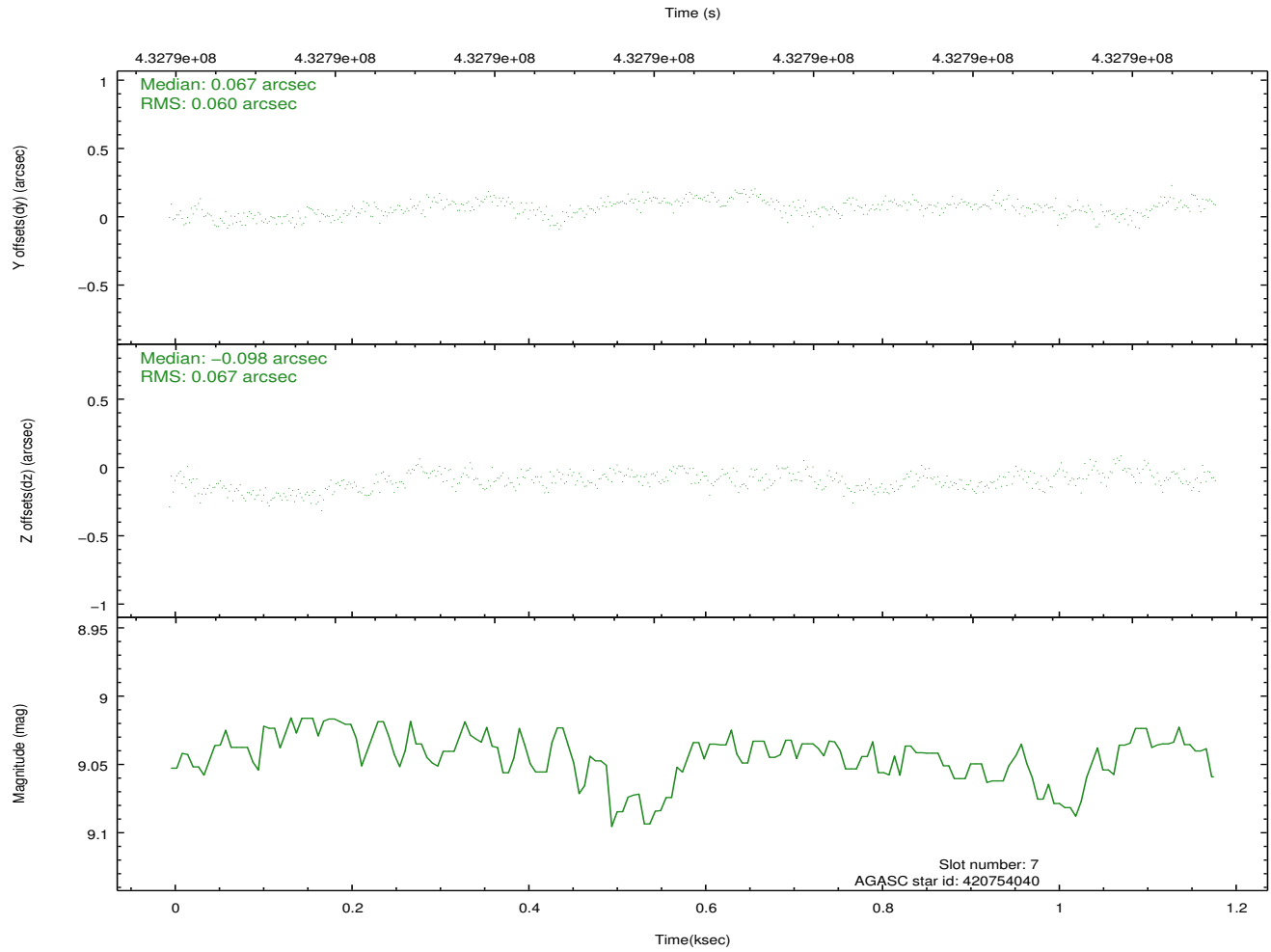
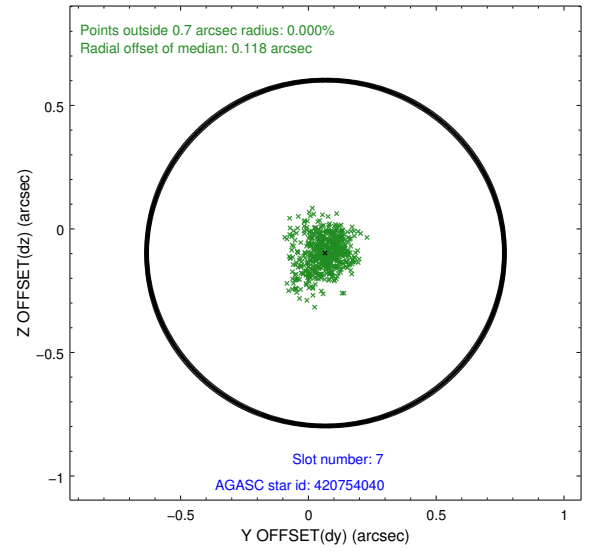
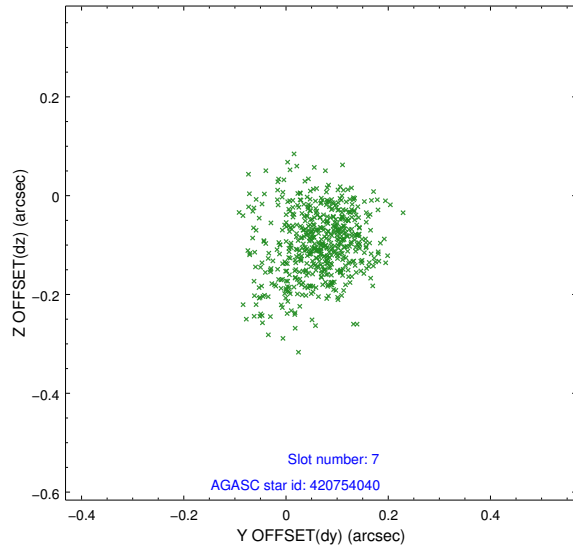
### 2.4.3 Slot 5



## 2.4.4 Slot 6

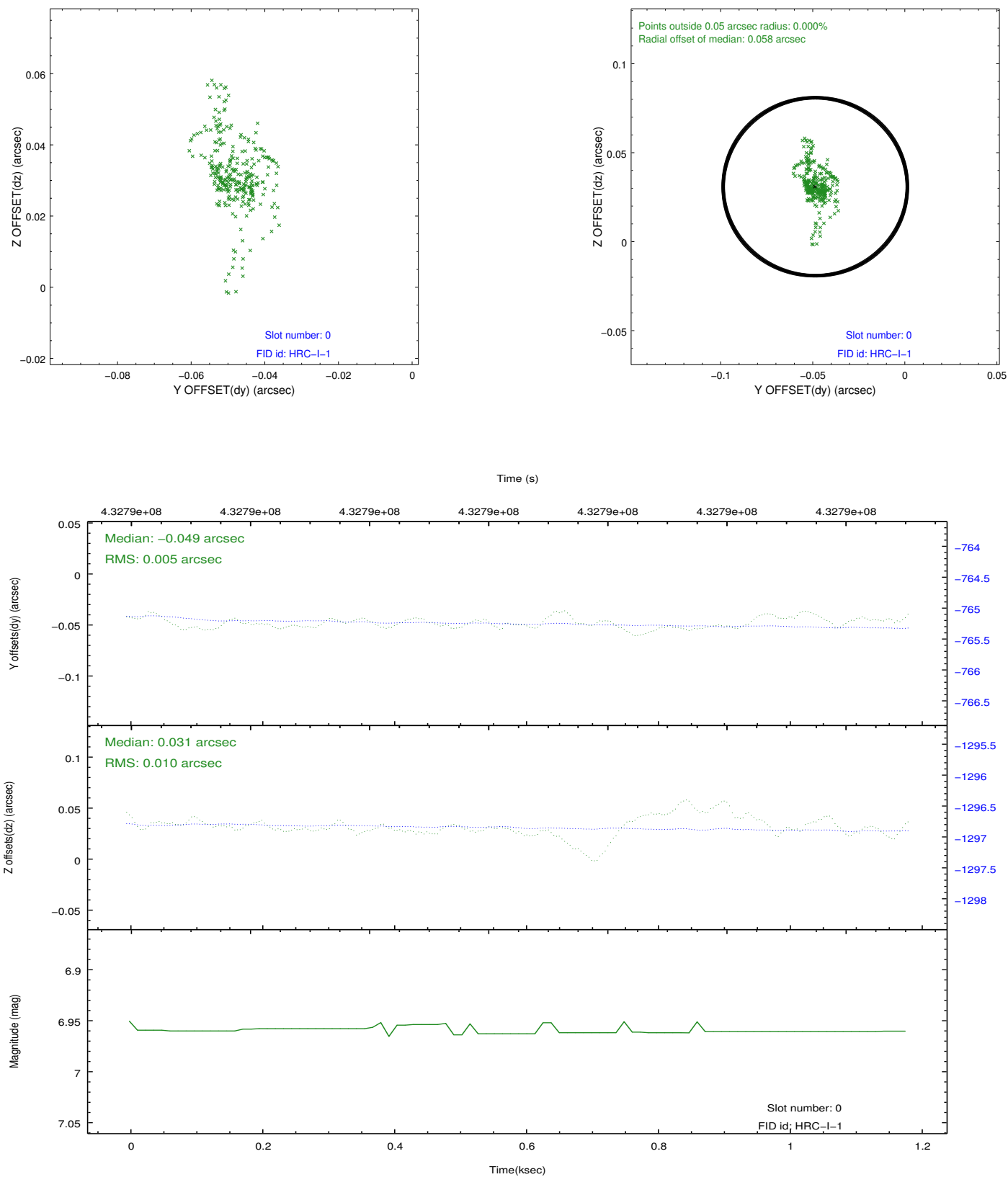


## 2.4.5 Slot 7

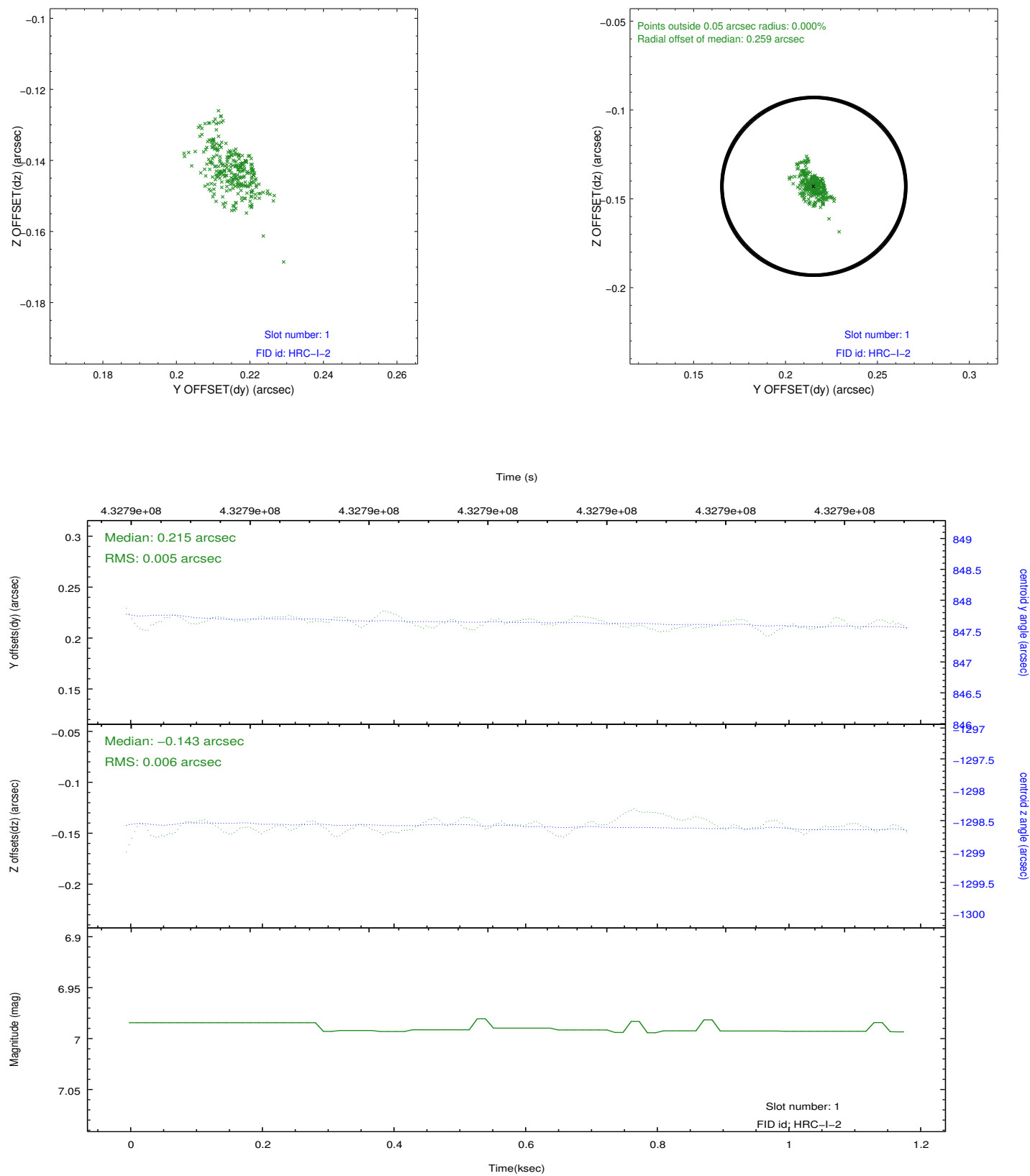


## 2.5 FID Slots

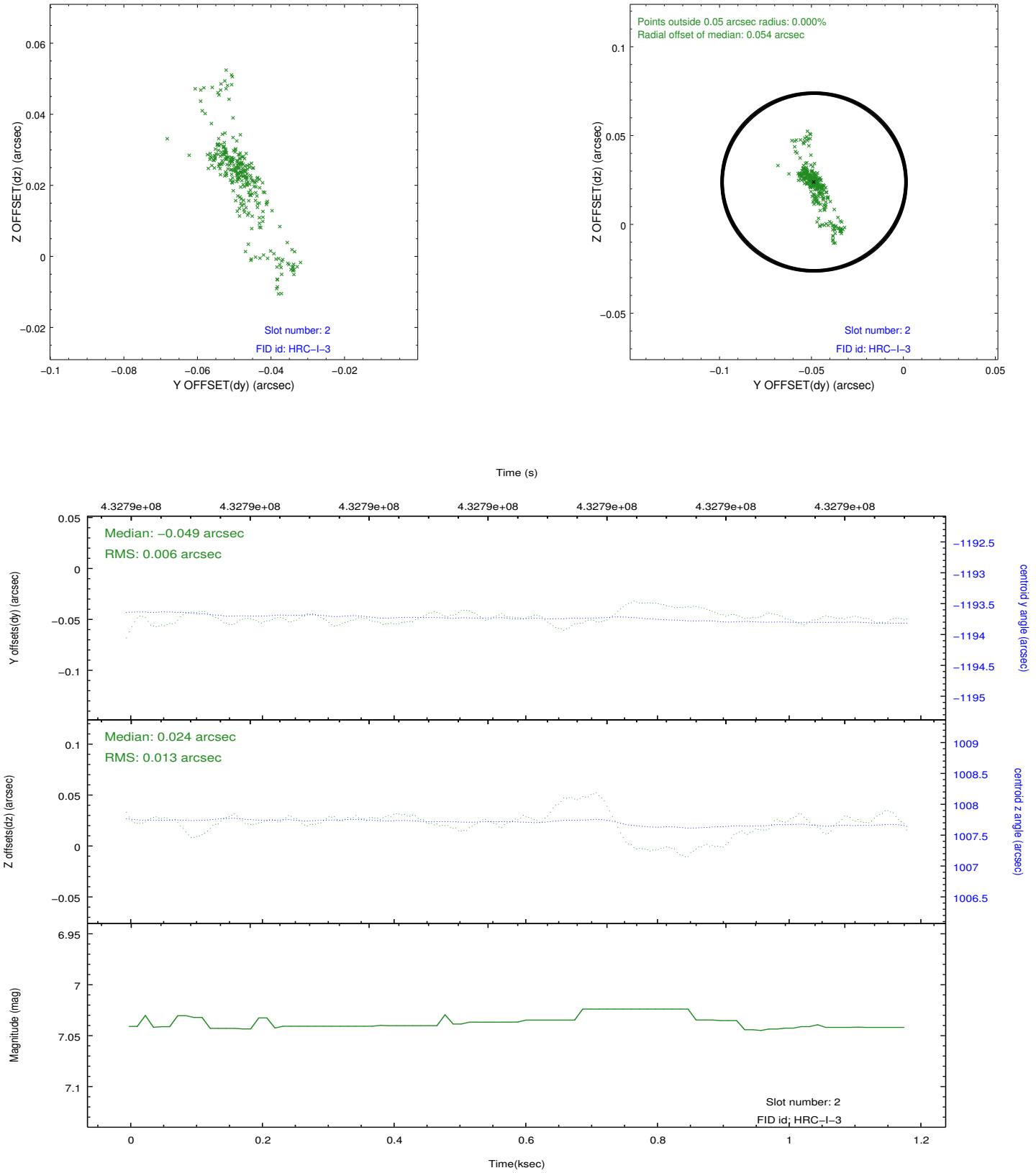
### 2.5.1 Slot 0



## 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)	2012.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1841313120723

### **A.2 Comments**