

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11904 - L2 Version 2  
Chandra X-Ray Center

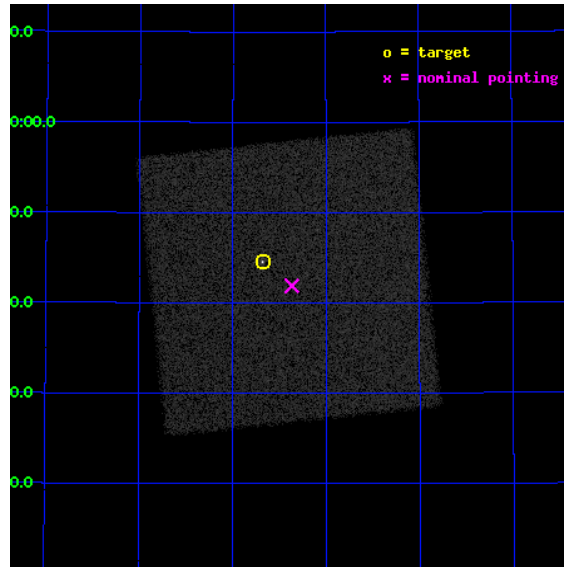
L2 Processing Date : Jul 3 2012

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# 1 Front

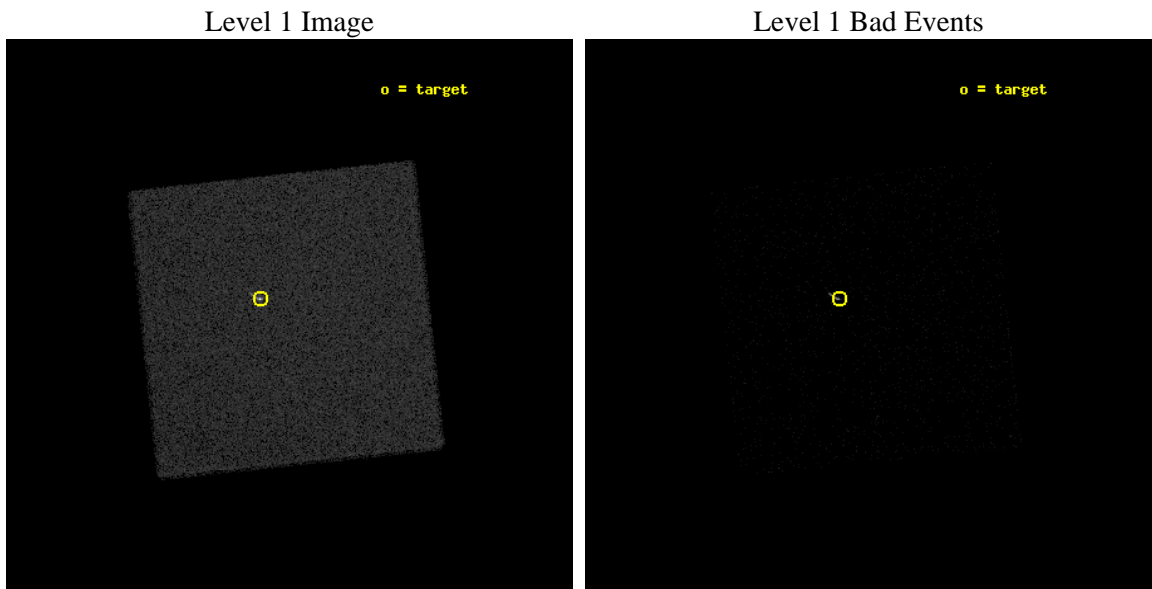
seq_num	290893	Sequence number
obs_id	11904	Observation id
title	AO-11 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09119931586	Nominal RA [deg]
dec_nom	45.69823964197	Nominal Dec [deg]
roll_nom	218.93109144584	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1186.1813108921	[s]
livetime	1173.2408530924	Ontime multiplied by DTCOR
l2events	91112	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	1186.1813108921	[s]
caldbver	4.5.0	&#160	l1events	160316	Number of level 1 events
date	2012-07-03T23:48:10	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

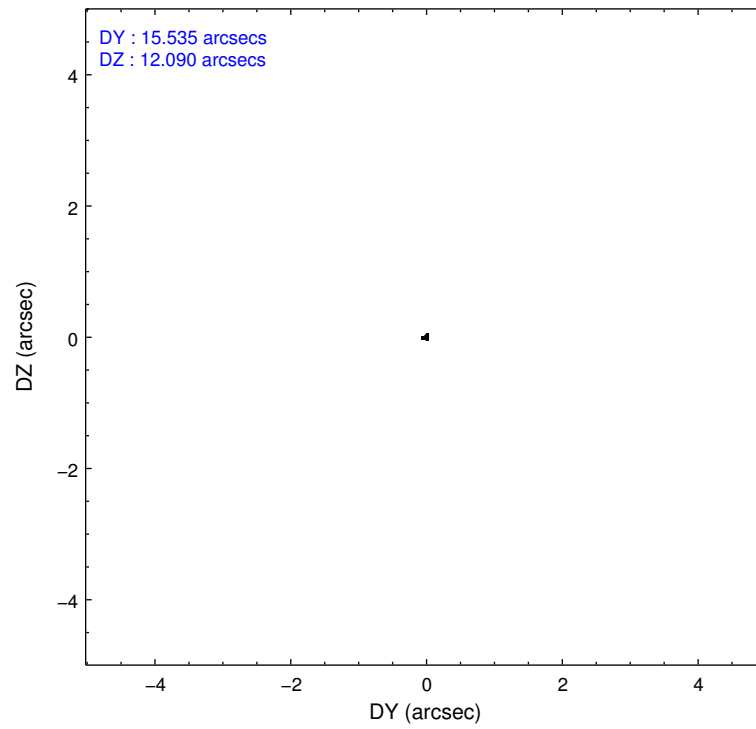
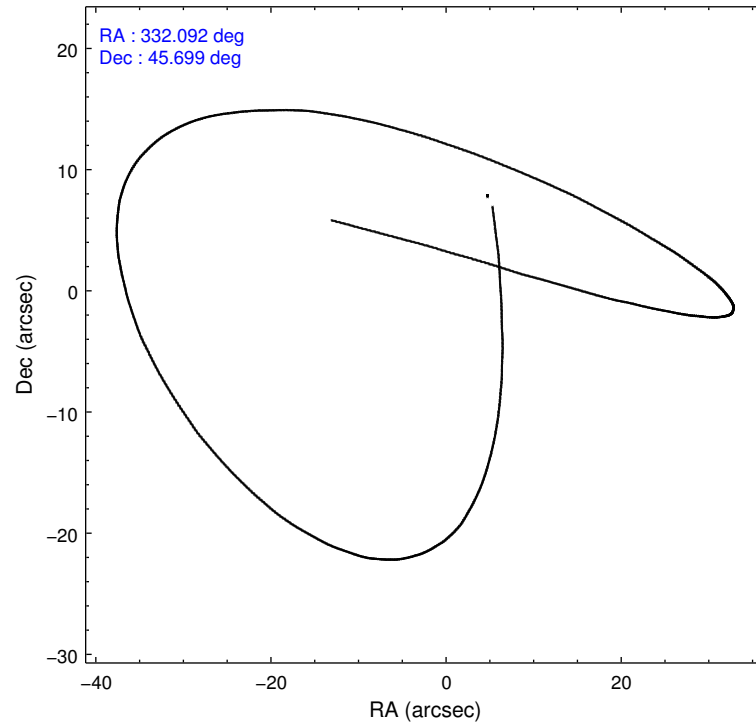
	<b>segment 0</b>
level 1 events	160316
rejected events	34163
rejected %	21%

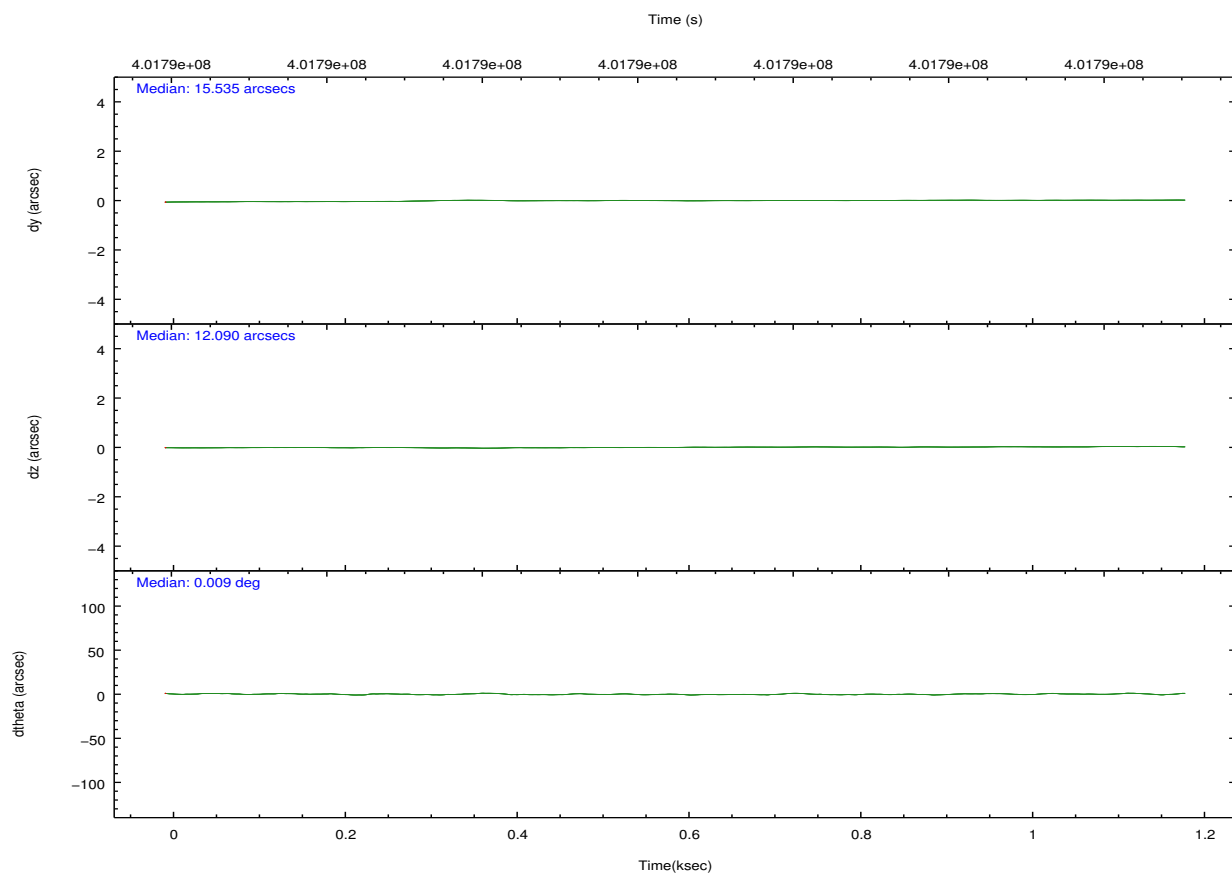
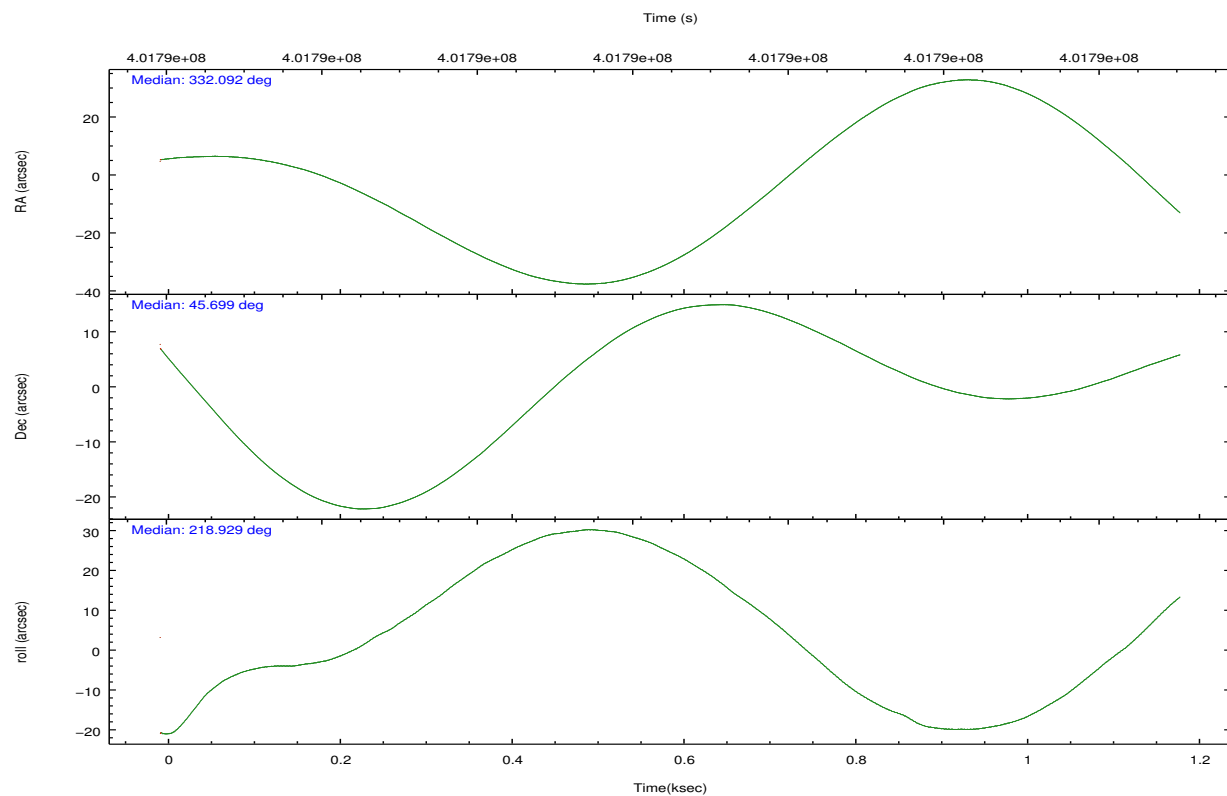
## 2.2 Compared Parameters

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	332.103174	332.0911993158642
[deg] Pointing Dec	45.724707	45.69823964197012
[deg] Pointing Roll	219.018210	218.9310914458441
[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)	401786033.184000	401785657.31281
Observation start date	2010-09-25T07:12:47	2010-09-25T07:07:37
[s] Observation end time (MET)	401787033.184000	401787167.13788
Observation end date	2010-09-25T07:29:27	2010-09-25T07:32:47

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

## 2.3 Aspect





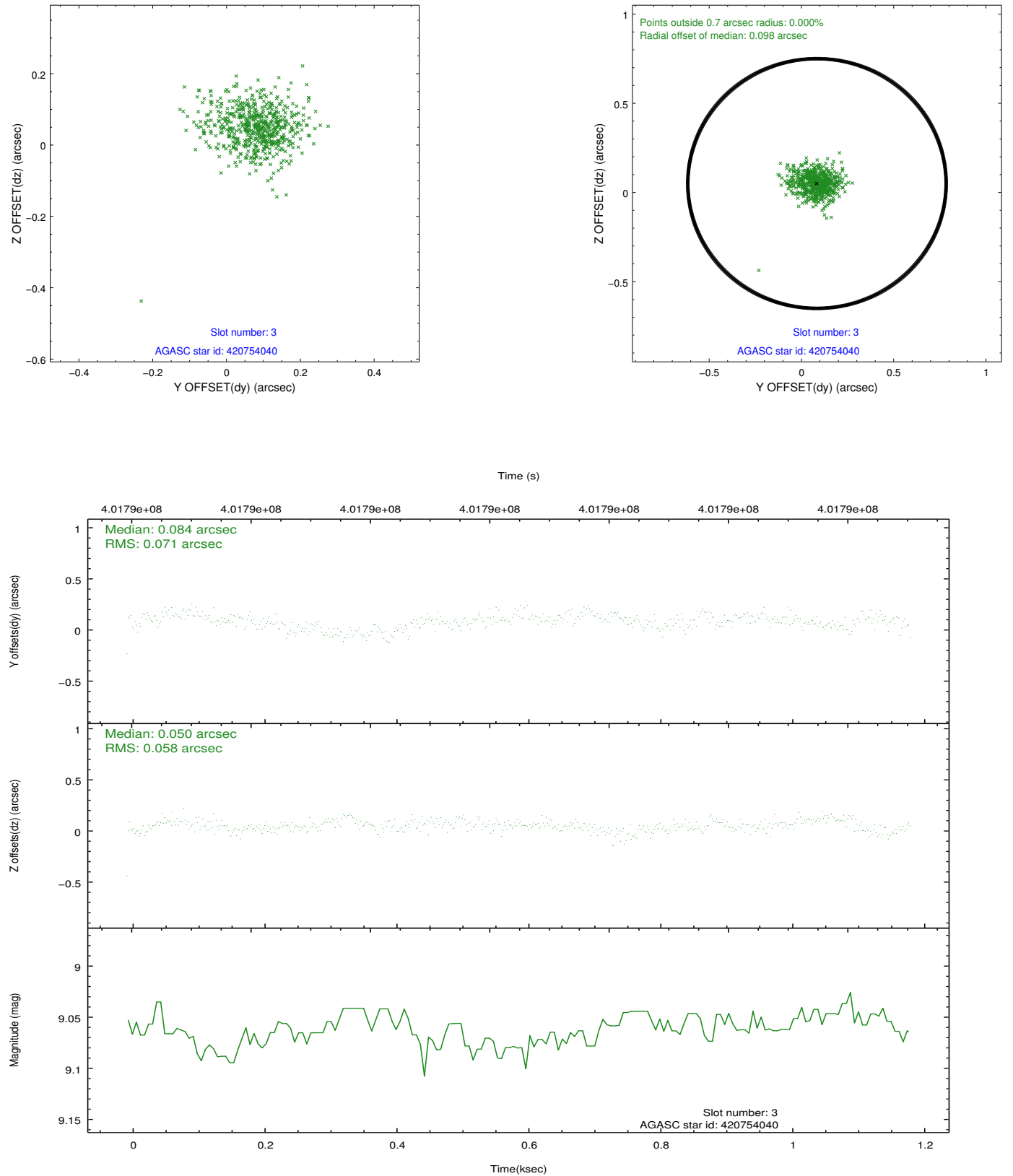
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.00	290	0.123	-0.106	0.006	0.010	0.000000	0.000000	841.40	-1301.77
1	FID	HRC-I-3	7.05	290	-0.119	0.062	0.006	0.010	0.000000	0.000000	-1197.04	1000.05
2	FID	HRC-I-4	6.97	290	0.115	-0.043	0.006	0.010	0.000000	0.000000	1267.44	1005.47
3	GUIDE	420754040	9.06	580	0.084	0.050	0.092	0.160	331.917939	44.882543	2275.05	2054.15
4	GUIDE	472523760	8.24	579	0.106	-0.091	0.068	0.109	331.645363	45.403260	1630.33	167.37
5	GUIDE	472525528	6.65	580	-0.235	0.051	0.094	0.144	331.551102	45.248694	2166.19	443.03
6	GUIDE	472533912	9.15	580	0.079	0.249	0.118	0.188	331.791136	46.368695	-853.79	-2293.57
7	GUIDE	472651904	6.09	579	-0.028	-0.249	0.092	0.147	332.170077	45.742257	-171.15	47.55

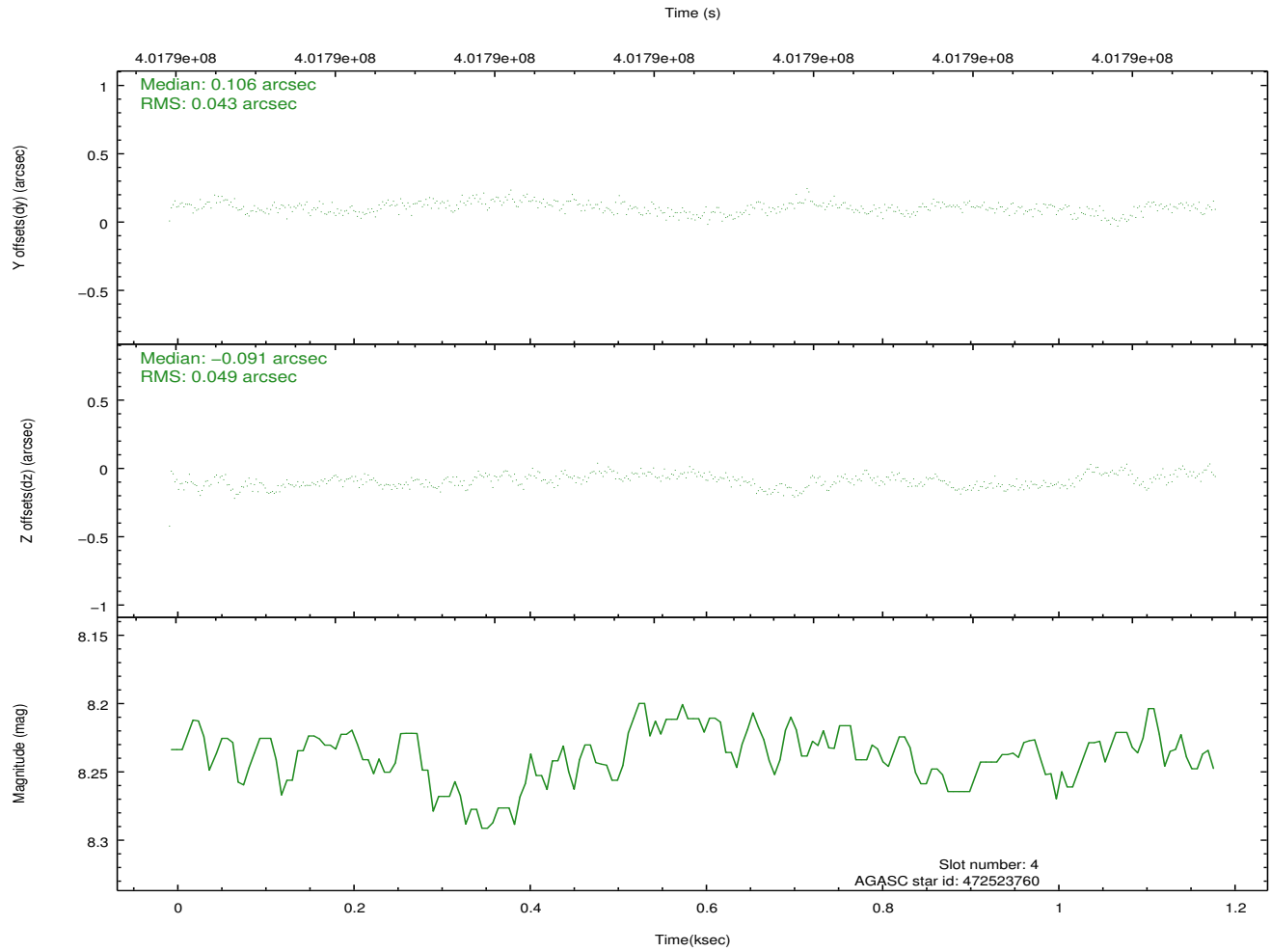
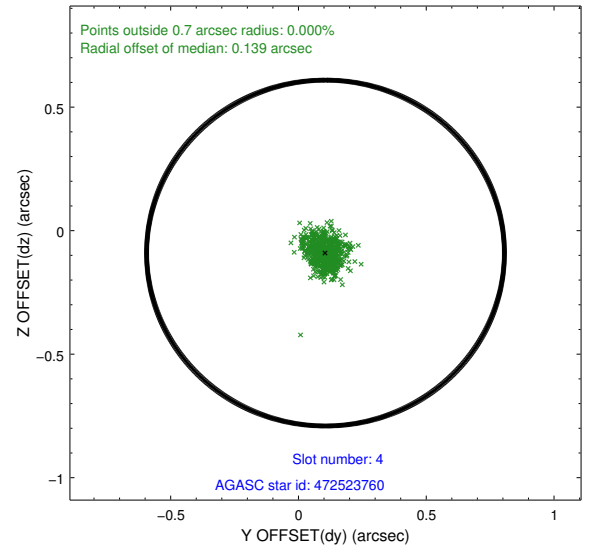
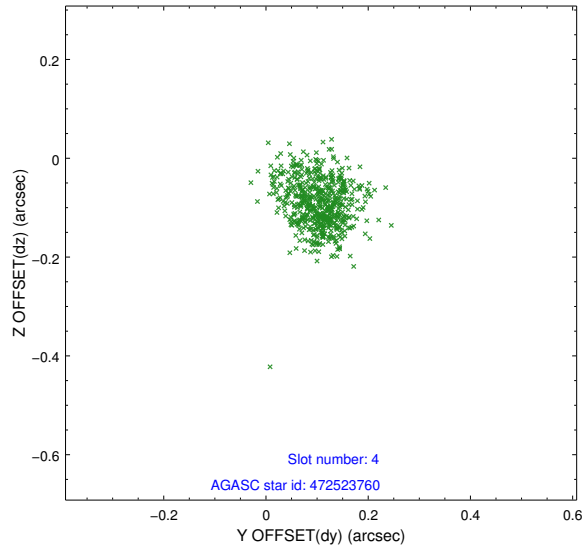


## 2.4 Star Slots

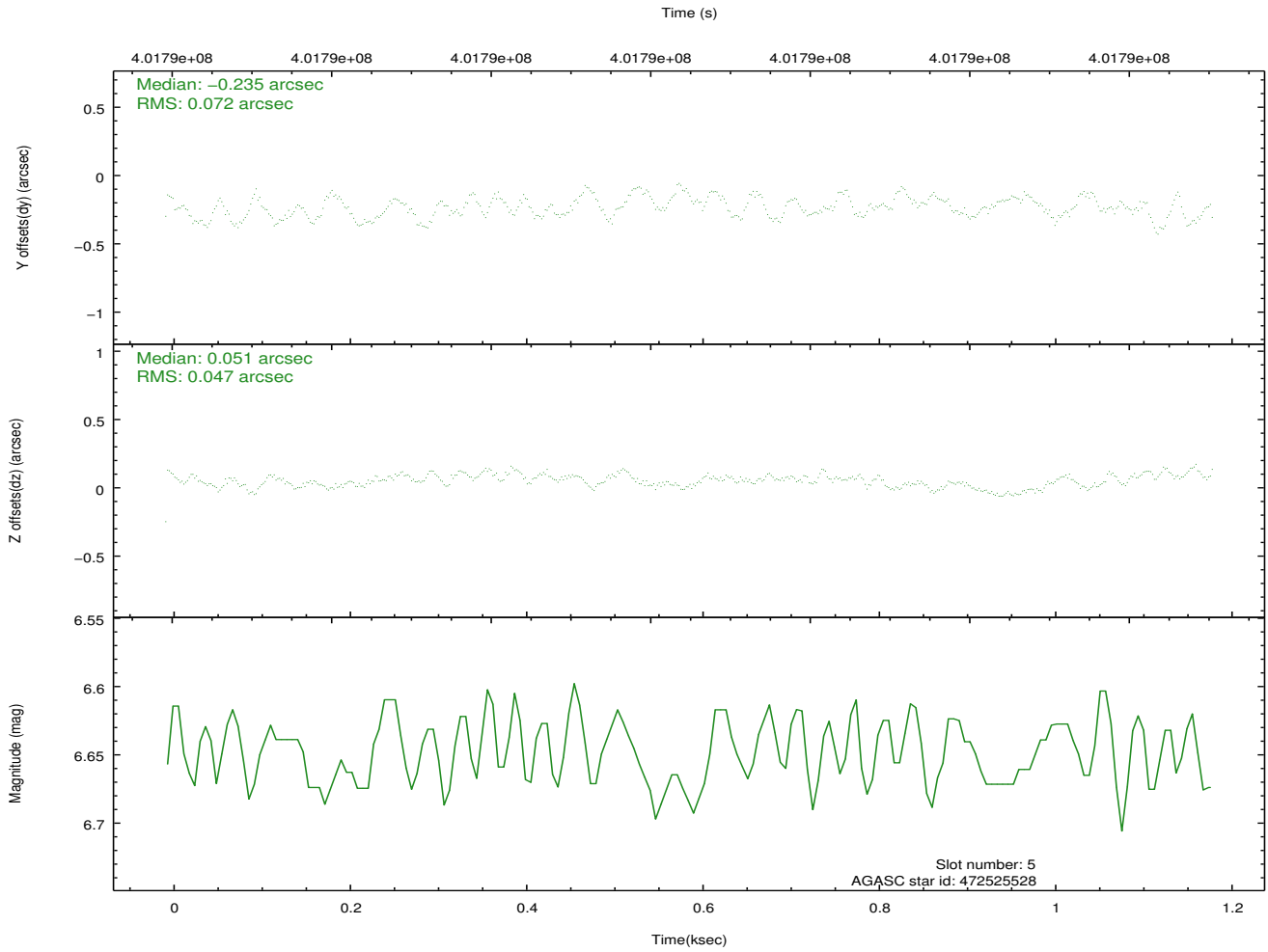
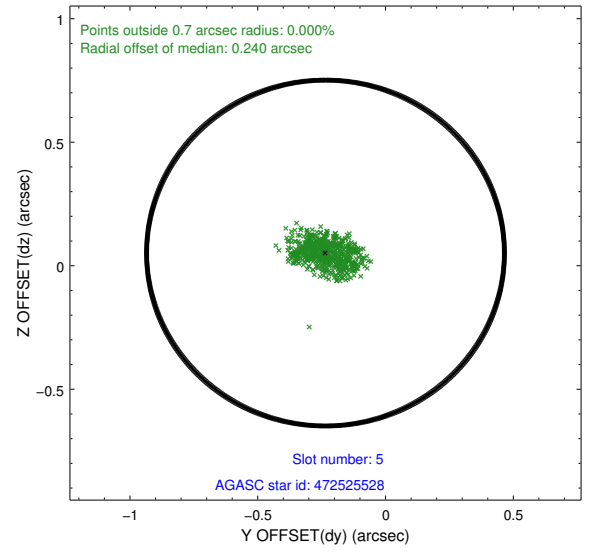
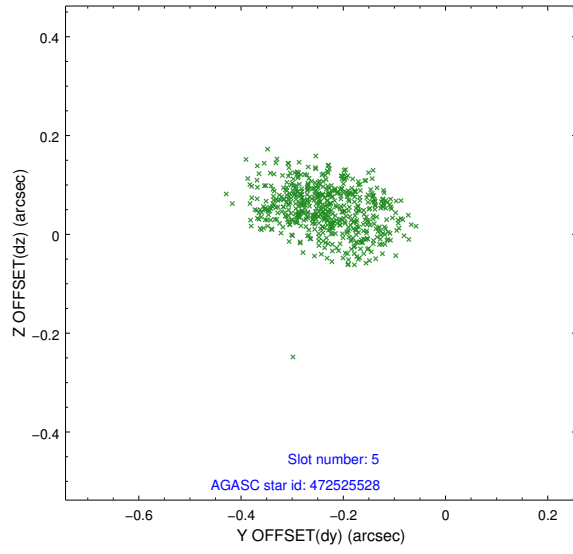
### 2.4.1 Slot 3



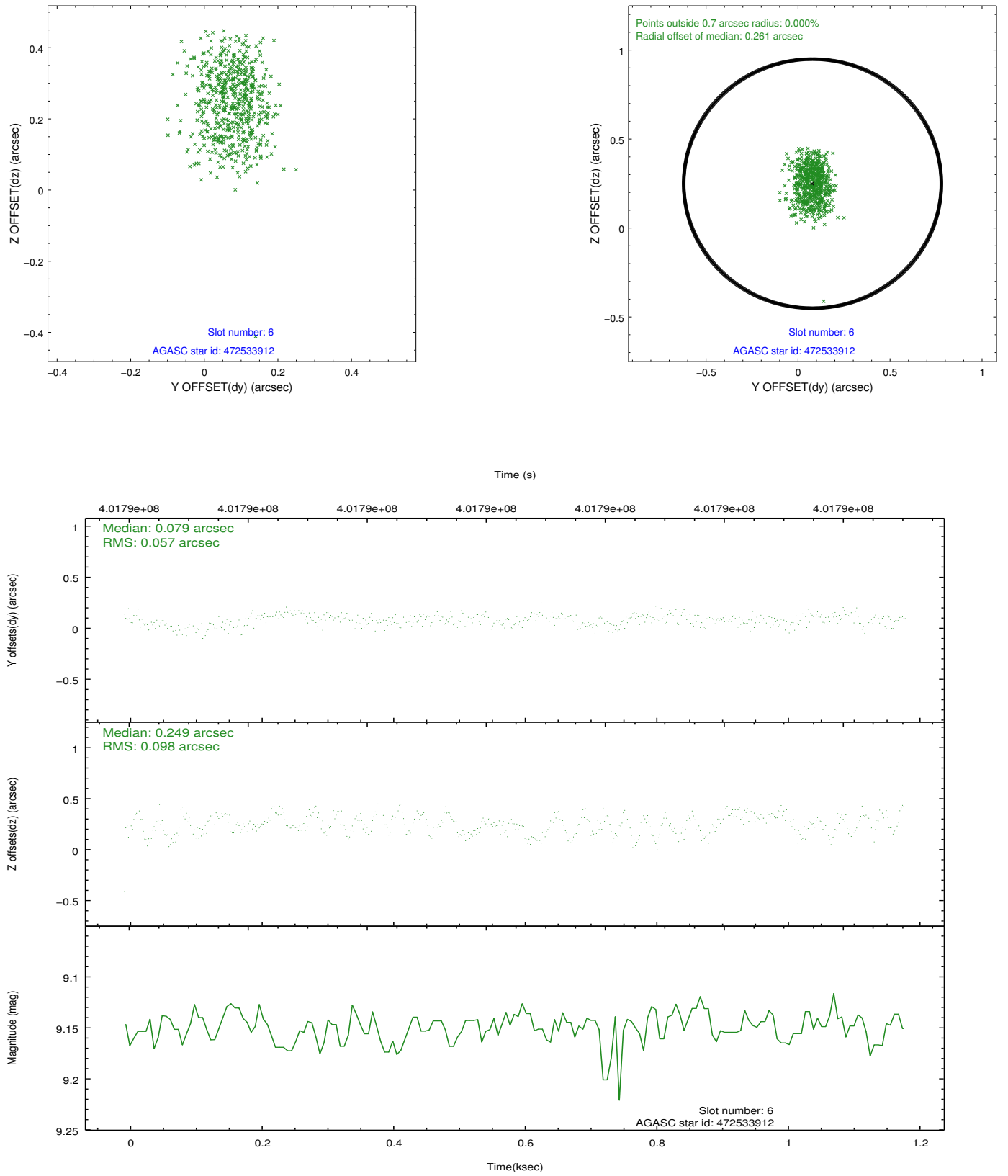
## 2.4.2 Slot 4



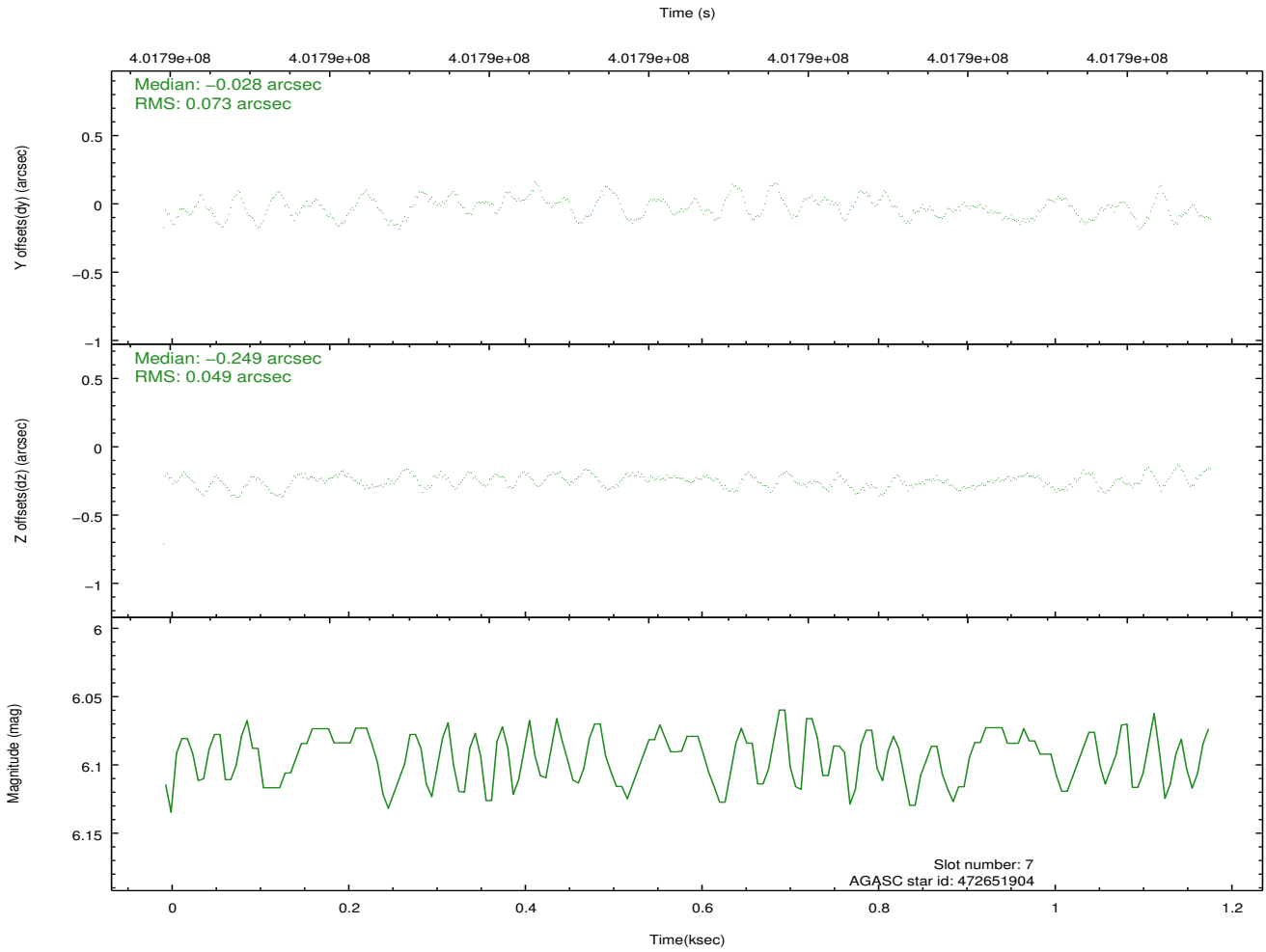
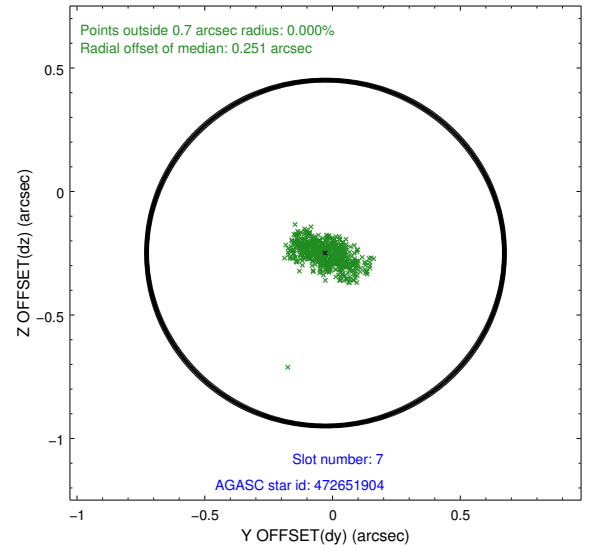
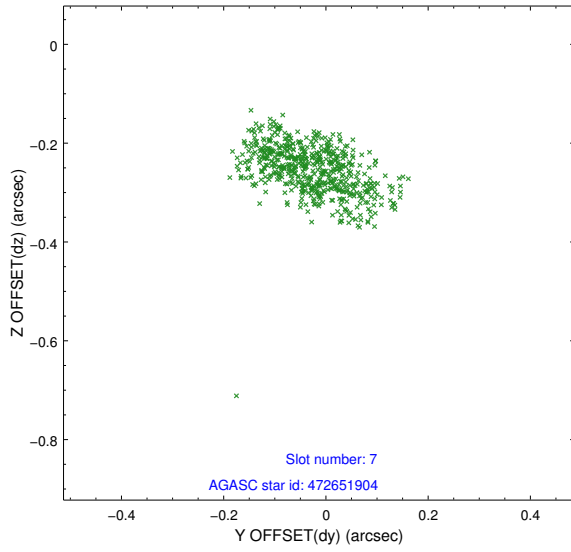
### 2.4.3 Slot 5



## 2.4.4 Slot 6

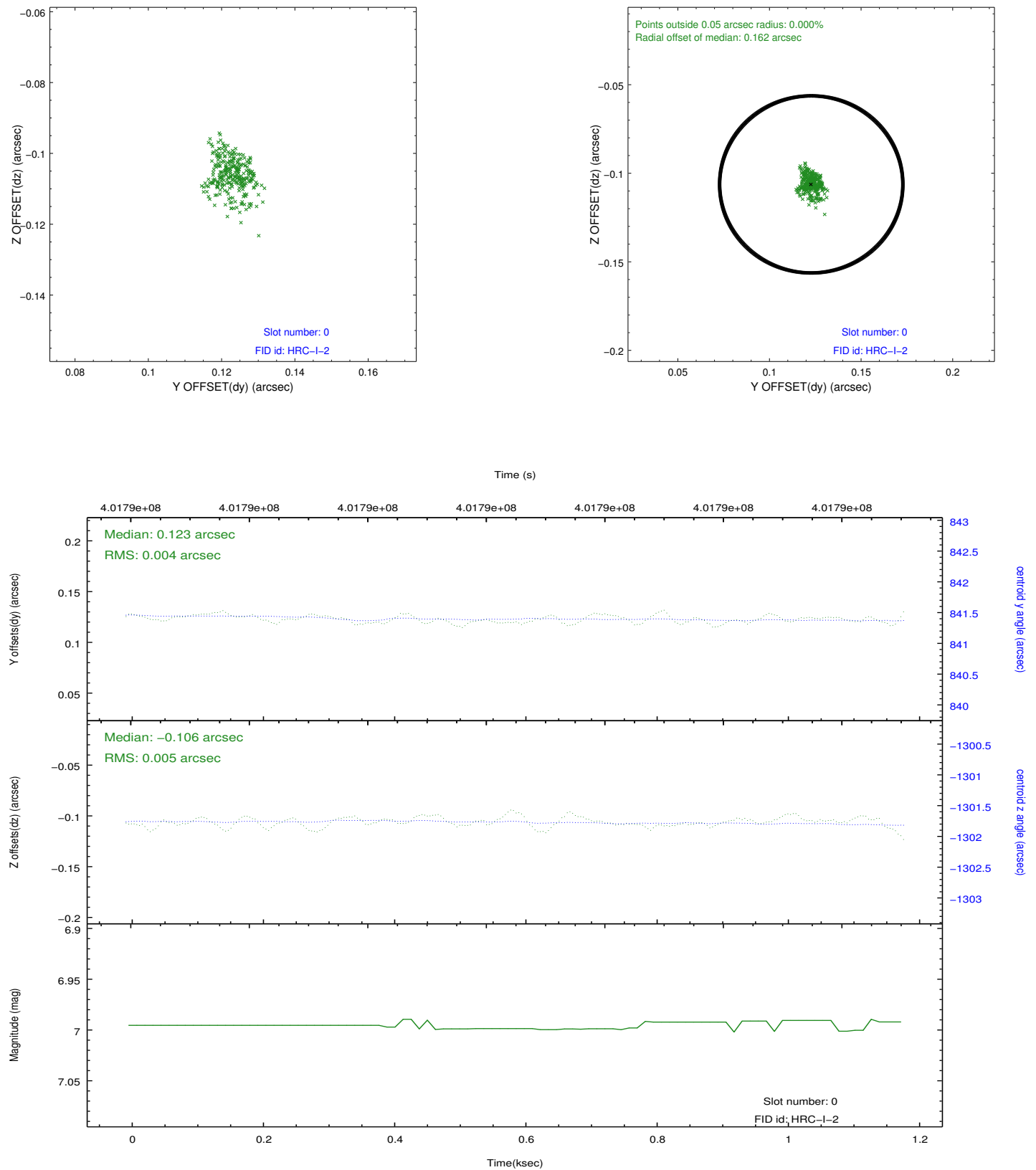


## 2.4.5 Slot 7

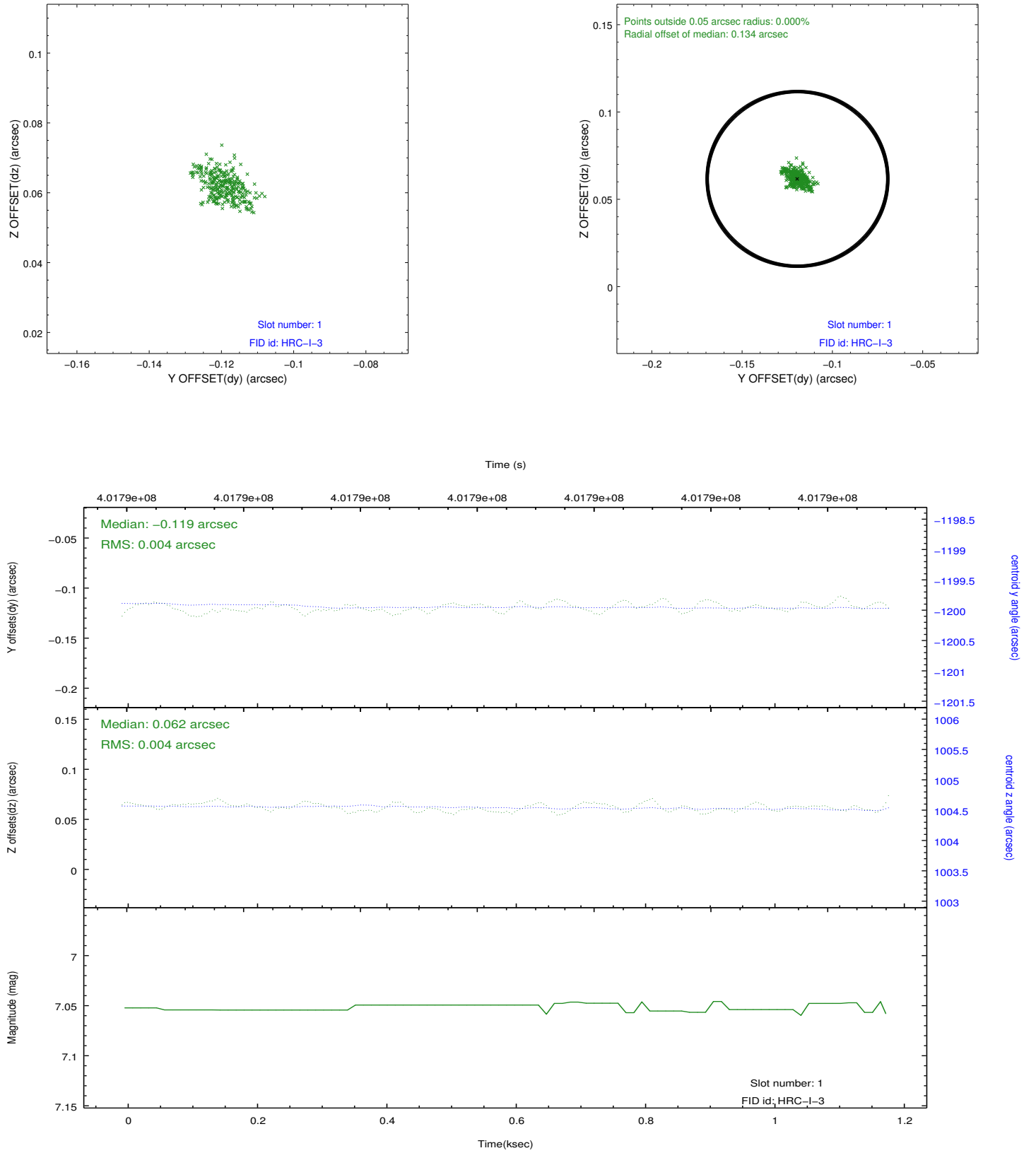


## 2.5 FID Slots

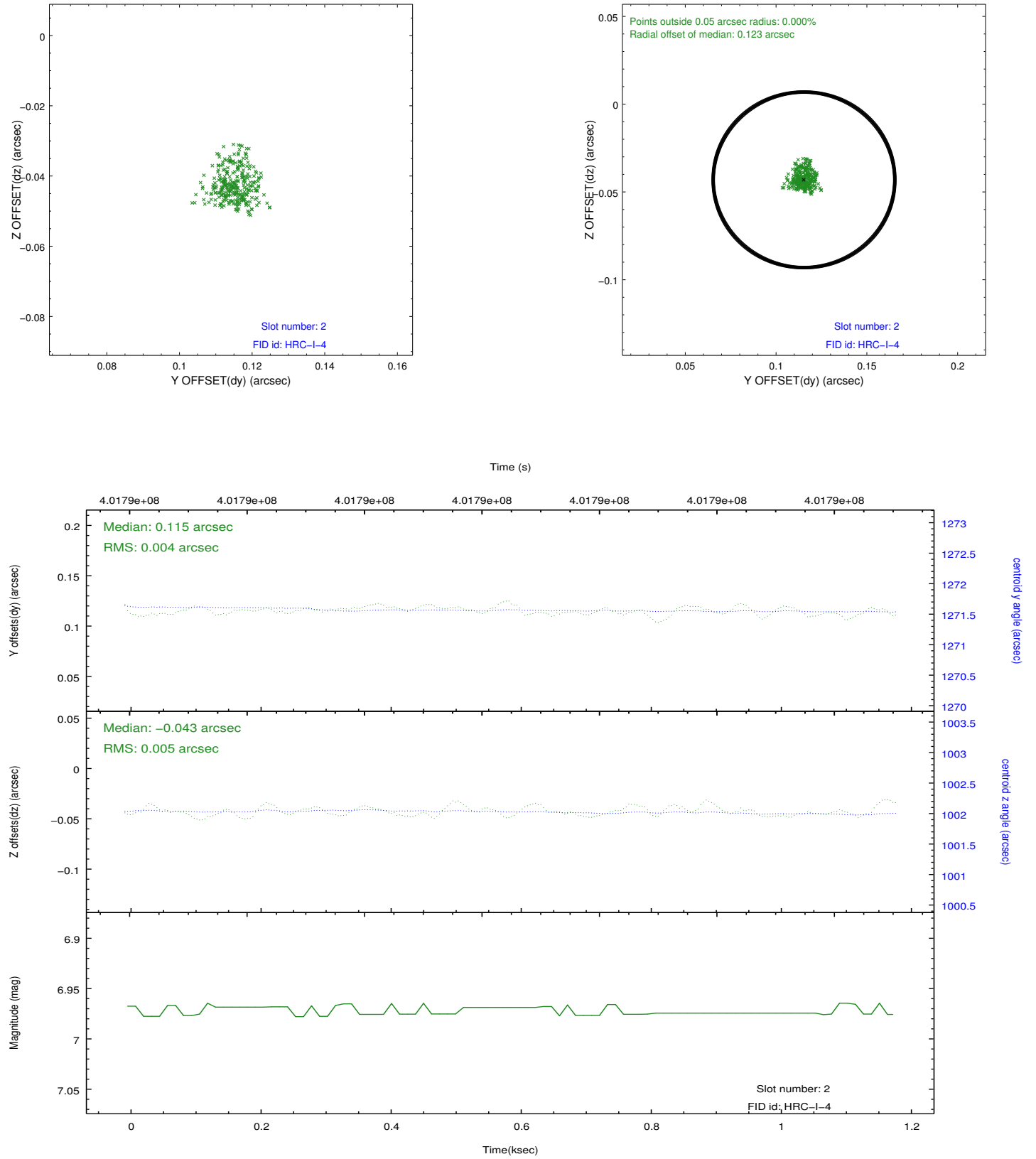
### 2.5.1 Slot 0



## 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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1861813108921

### A.2 Comments