

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 5067 - L2 Version 4  
Chandra X-Ray Center

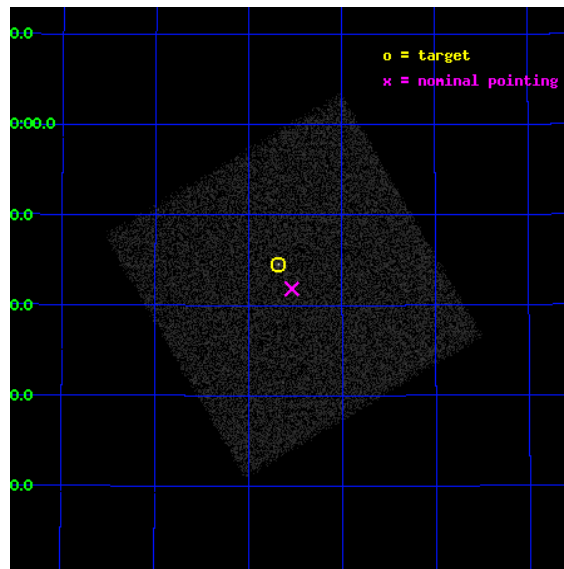
L2 Processing Date : Dec 11 2012

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# 1 Front

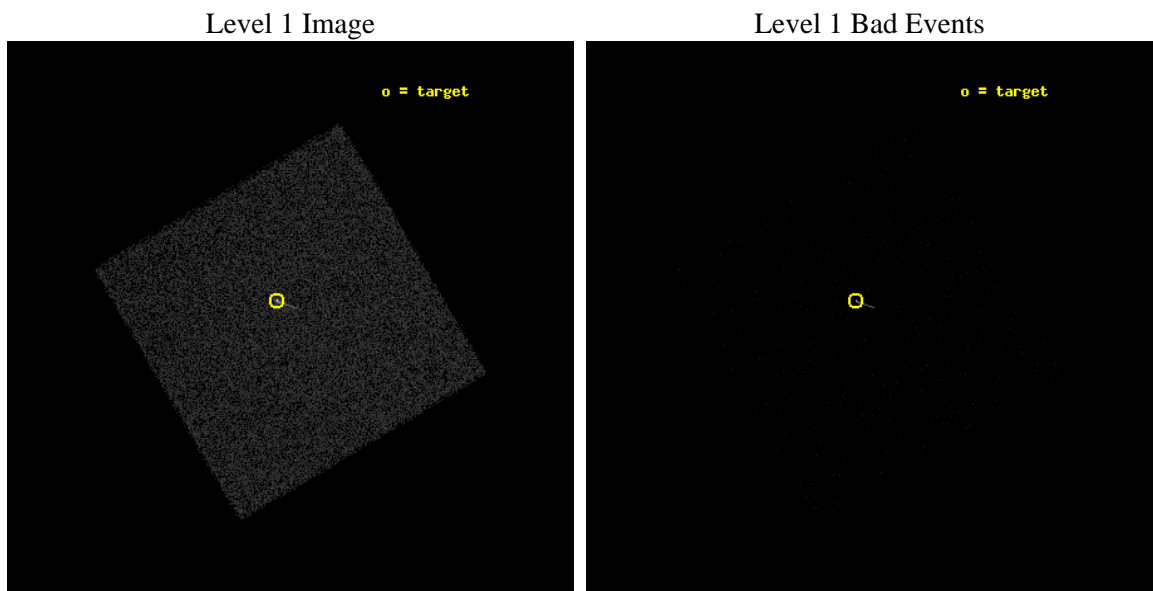
seq_num	290340	Sequence number
obs_id	5067	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13418886855	Nominal RA [deg]
dec_nom	45.697353034622	Nominal Dec [deg]
roll_nom	284.51973657641	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1089.8312990069	[s]
livetime	1081.9903819466	Ontime multiplied by DTCOR
l2events	43819	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	900.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	1089.8312990069	[s]
caldbver	4.5.4	&#160	l1events	81953	Number of level 1 events
date	2012-12-11T23:41:34	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

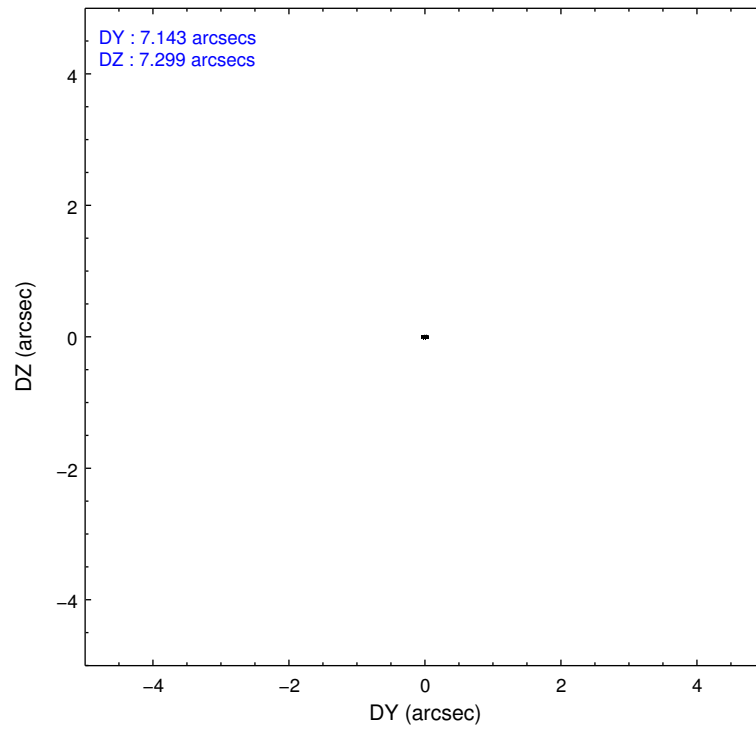
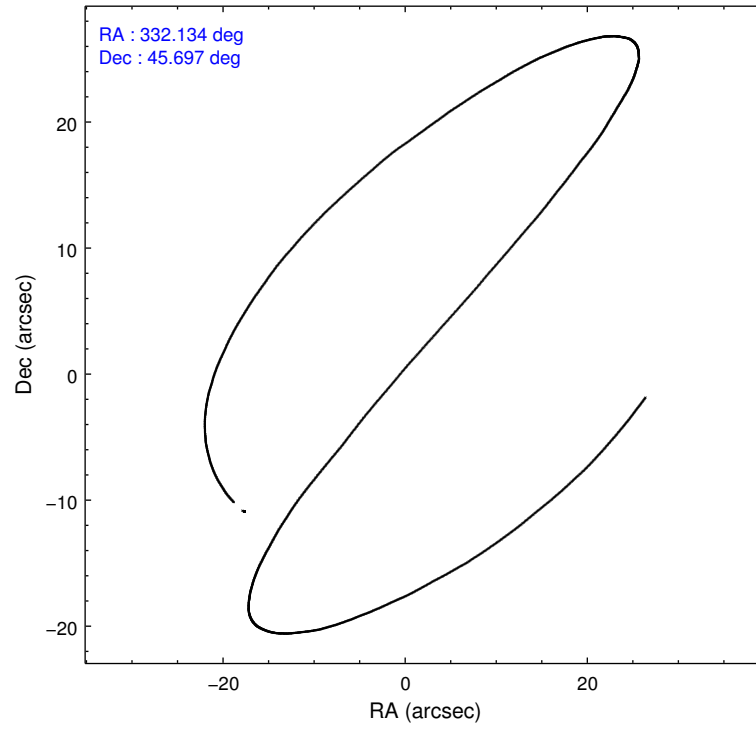
	<b>segment 0</b>
level 1 events	81953
rejected events	18583
rejected %	22%

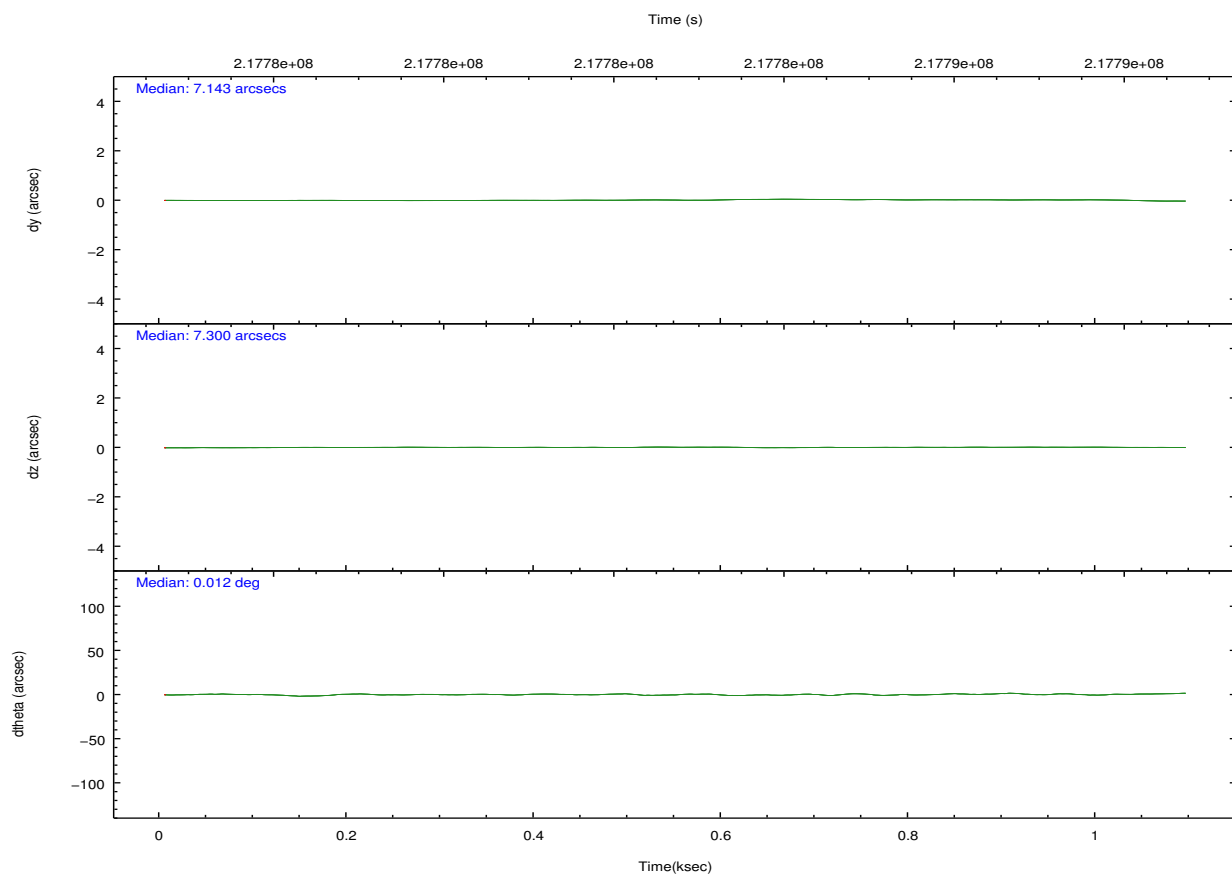
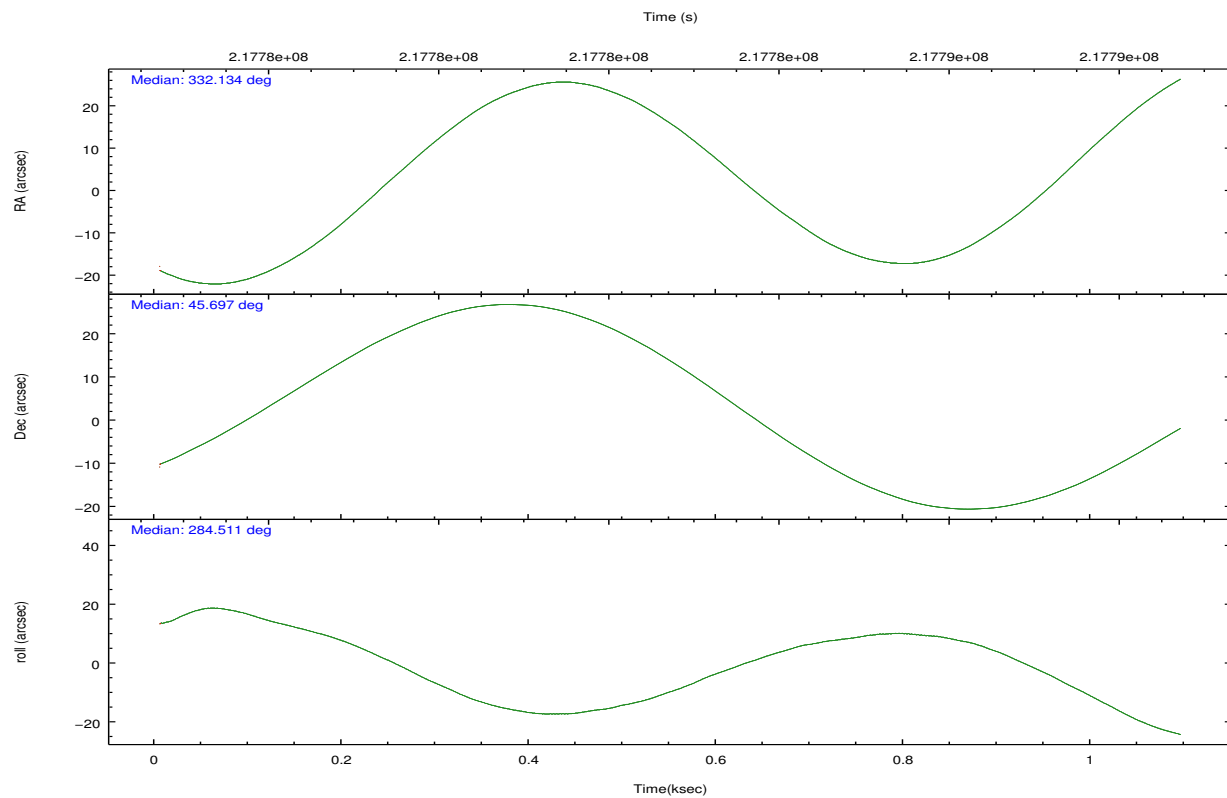
## 2.2 Compared Parameters

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	332.107139	332.1341888685482
[deg] Pointing Dec	45.716394	45.69735303462225
[deg] Pointing Roll	284.634560	284.5197365764149
[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)	217784517.184000	217784141.02065
Observation start date	2004-11-25T15:40:53	2004-11-25T15:35:41
[s] Observation end time (MET)	217785417.184000	217785550.90821
Observation end date	2004-11-25T15:55:53	2004-11-25T15:59:10

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

## 2.3 Aspect





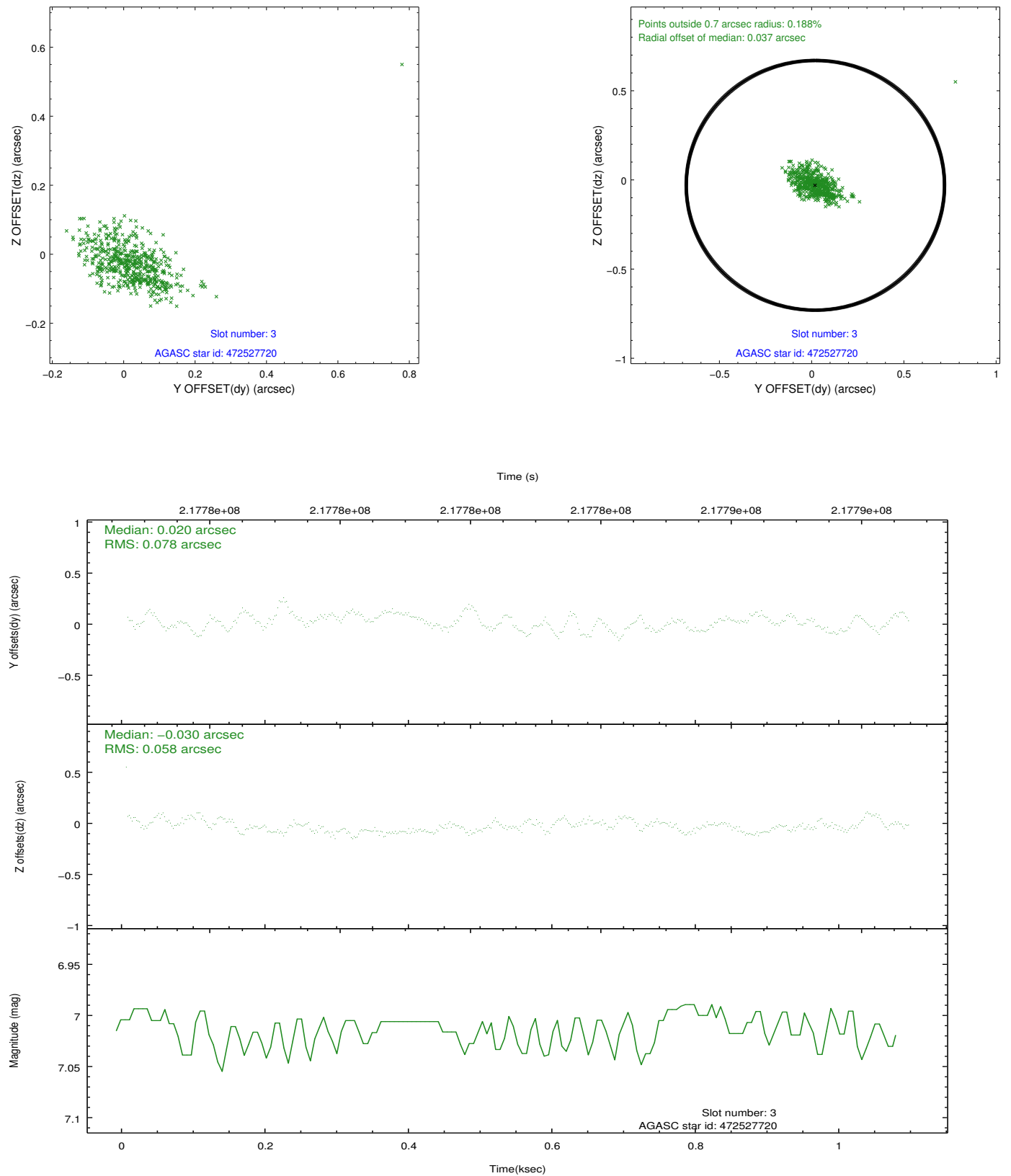
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.02	267	-0.021	-0.030	0.006	0.010	0.000000	0.000000	-762.84	-1295.19
1	FID	HRC-I-2	7.05	267	0.098	-0.056	0.007	0.013	0.000000	0.000000	847.05	-1301.73
2	FID	HRC-I-4	7.05	267	0.039	-0.007	0.005	0.011	0.000000	0.000000	1283.33	1002.01
3	GUIDE	472527720	7.02	533	0.020	-0.030	0.095	0.151	331.460205	45.112509	1682.56	-2135.56
4	GUIDE	472654568	9.44	533	0.114	0.045	0.102	0.172	332.194449	45.063576	2333.55	-380.42
5	GUIDE	472655152	9.43	532	-0.007	0.078	0.105	0.177	332.504239	45.862991	-256.93	1098.67
6	GUIDE	472659832	9.46	533	-0.058	0.040	0.108	0.201	332.780399	46.098139	-912.45	1979.24
7	GUIDE	472523760	8.23	531	-0.076	-0.135	0.079	0.128	331.645363	45.403260	791.37	-1407.45

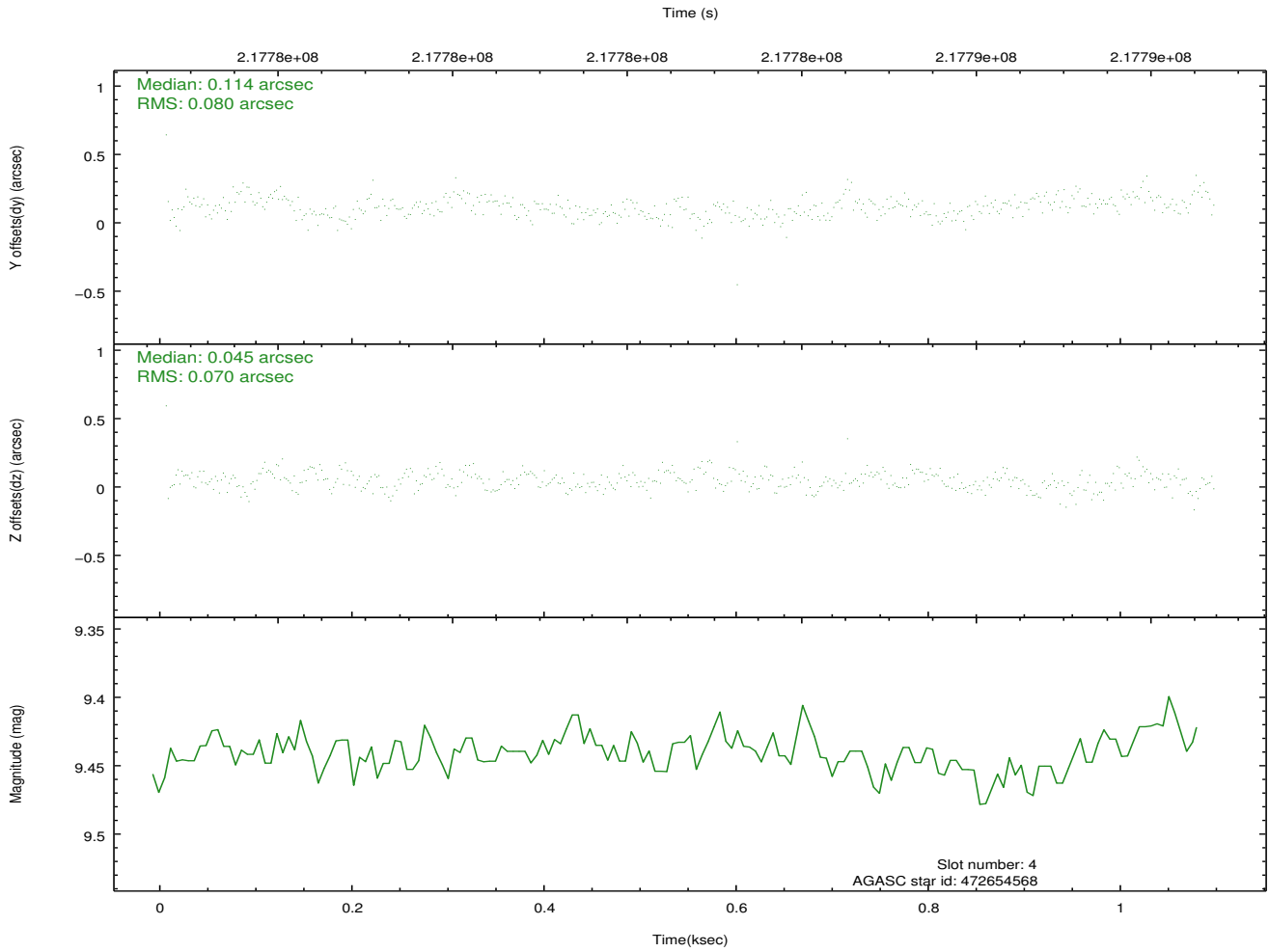
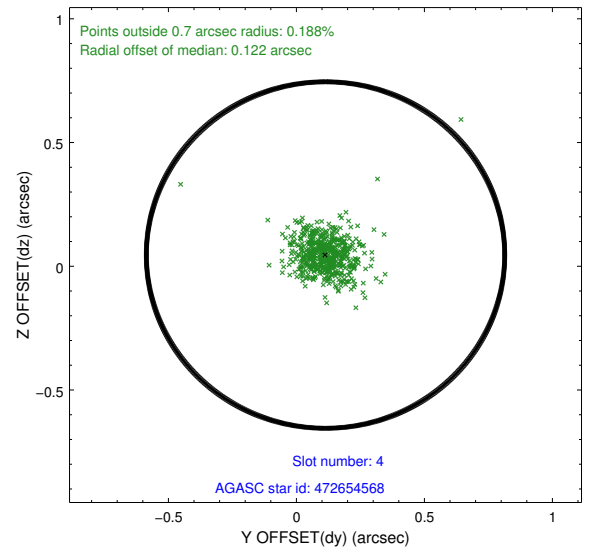
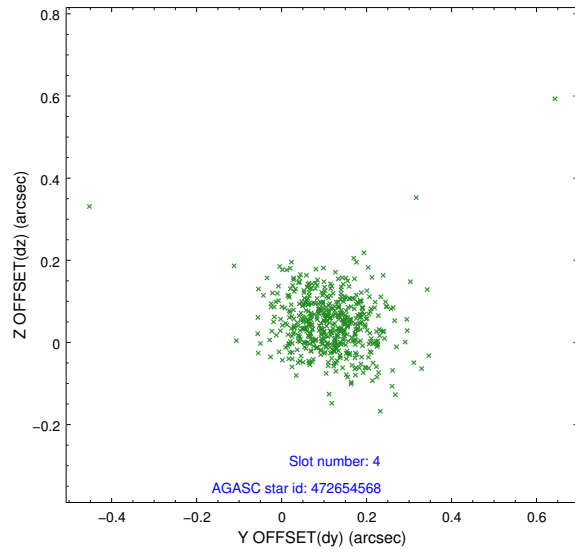


## 2.4 Star Slots

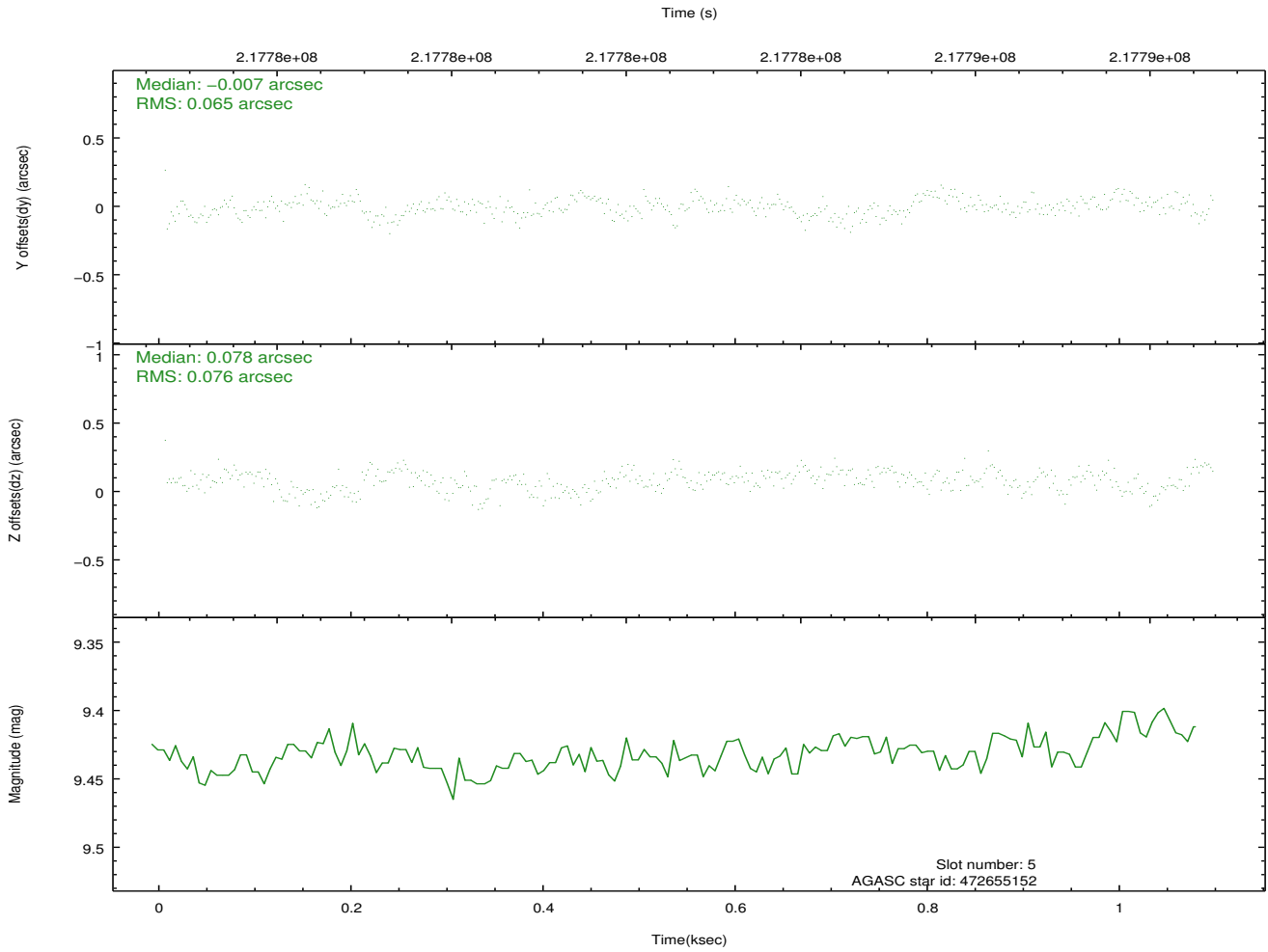
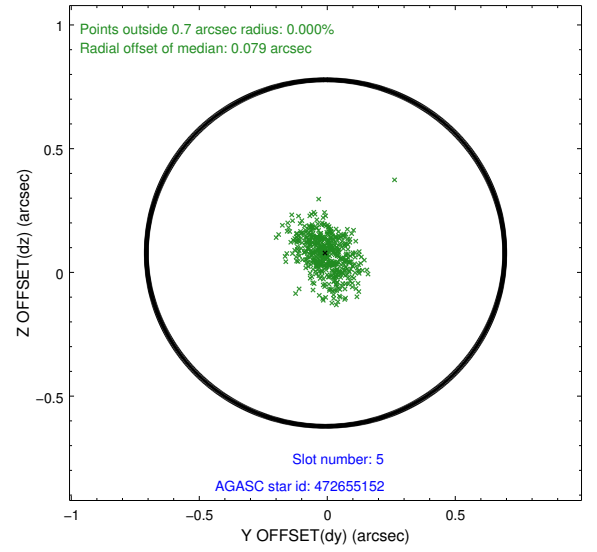
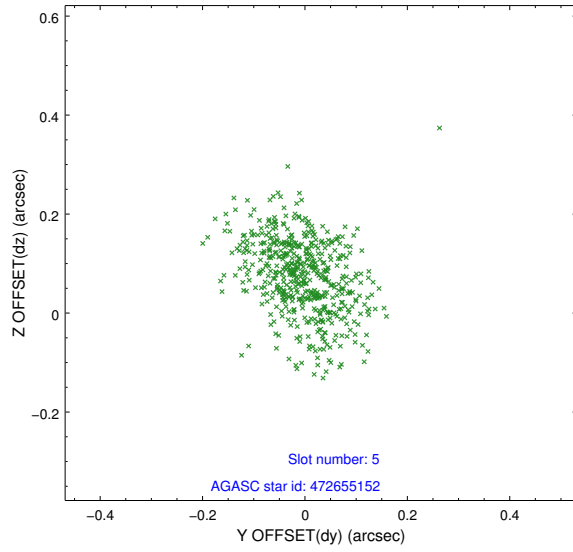
### 2.4.1 Slot 3



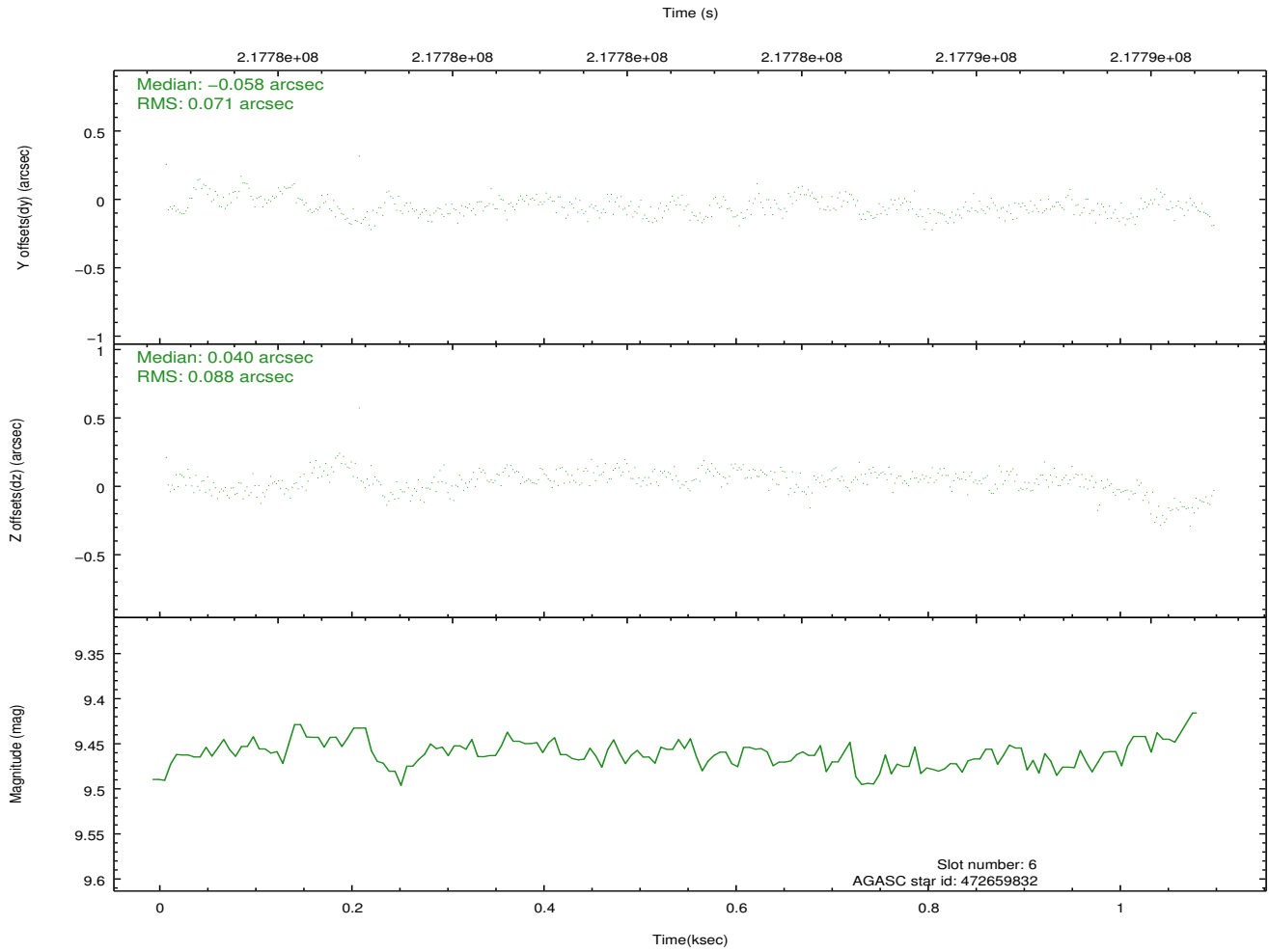
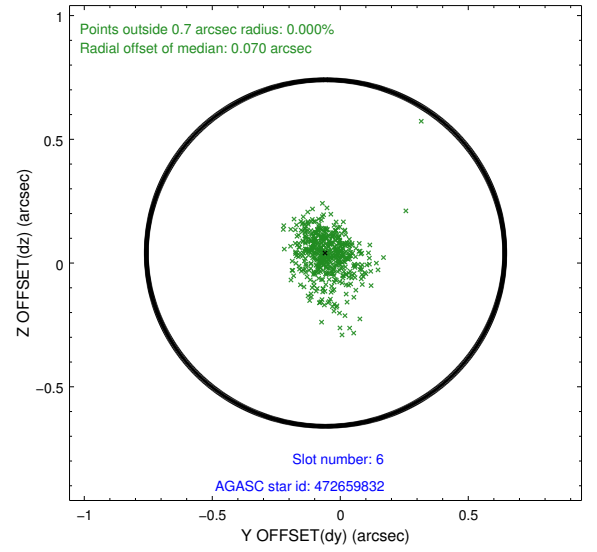
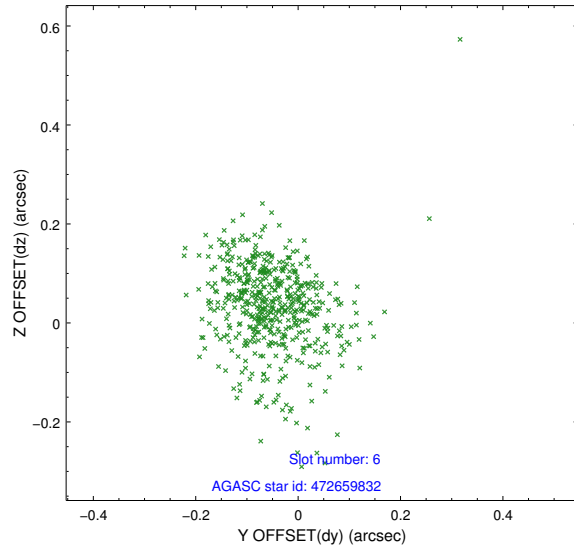
## 2.4.2 Slot 4



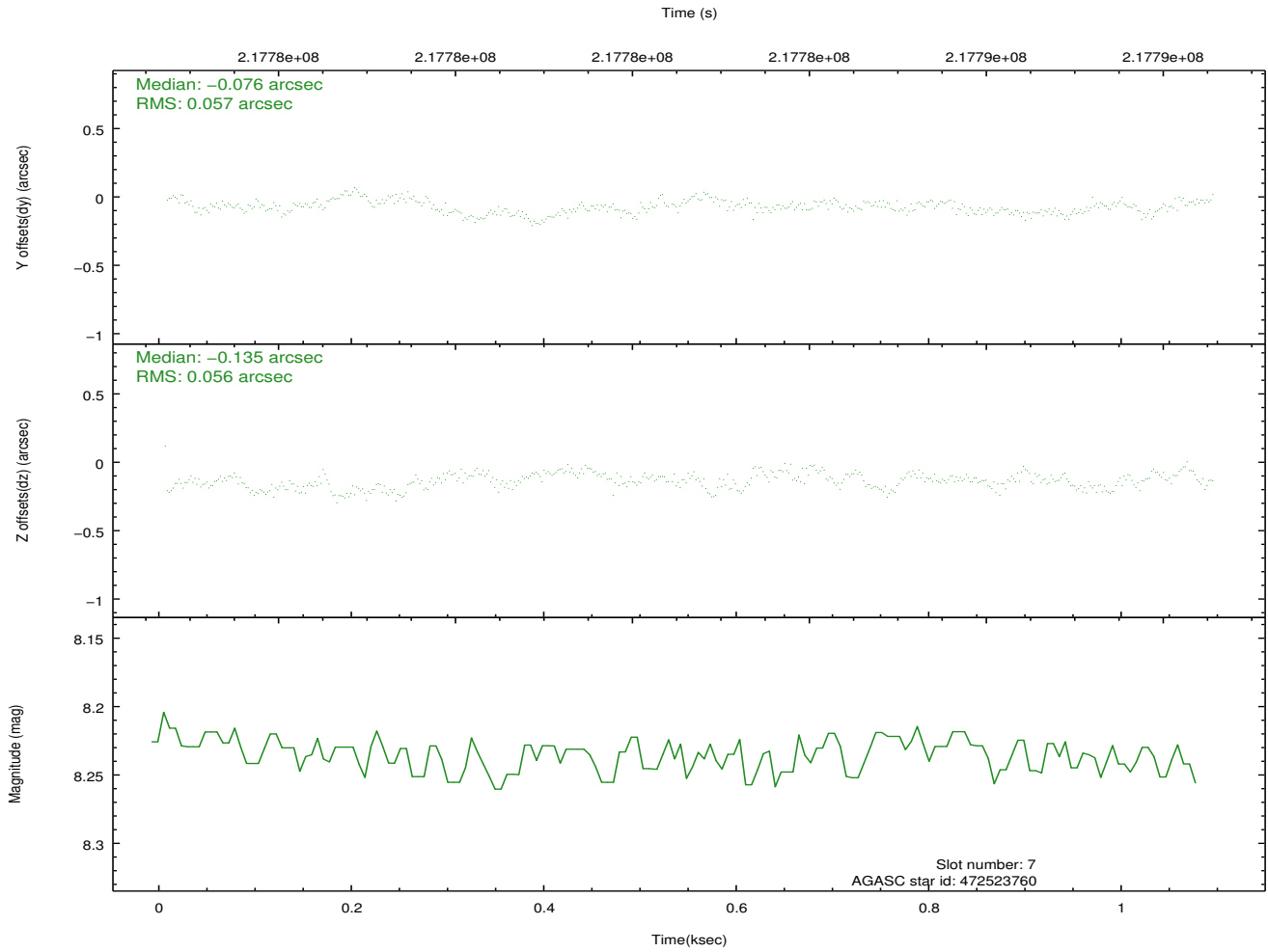
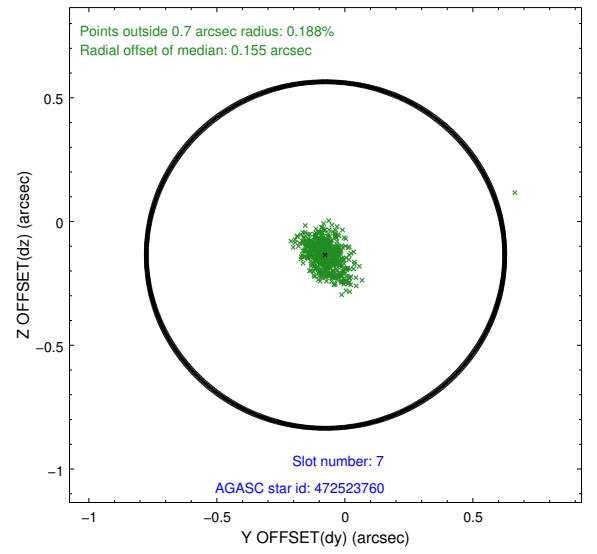
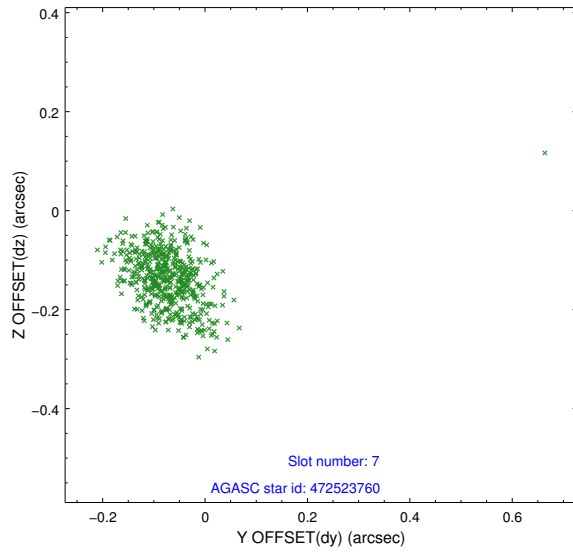
### 2.4.3 Slot 5



## 2.4.4 Slot 6

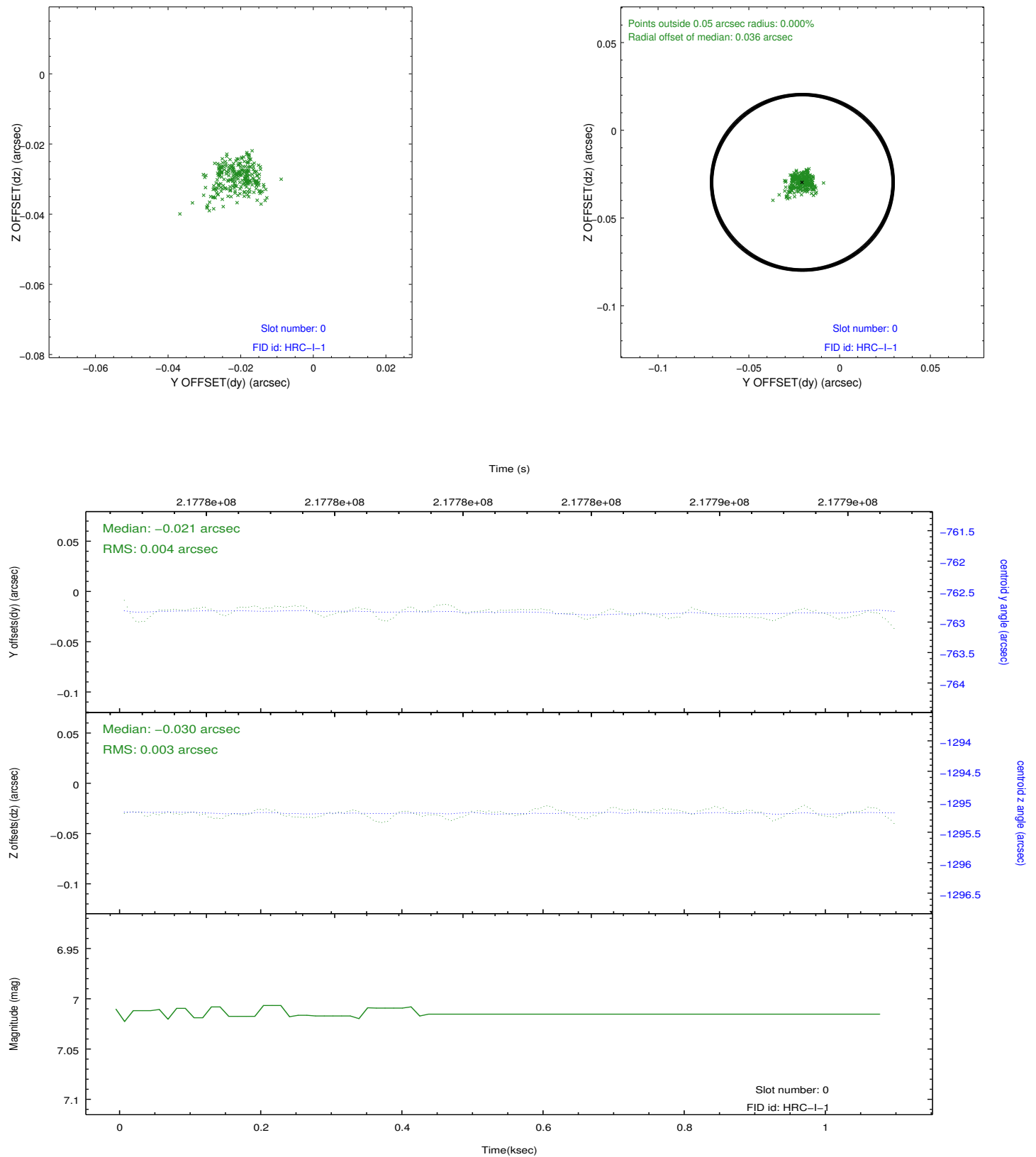


## 2.4.5 Slot 7

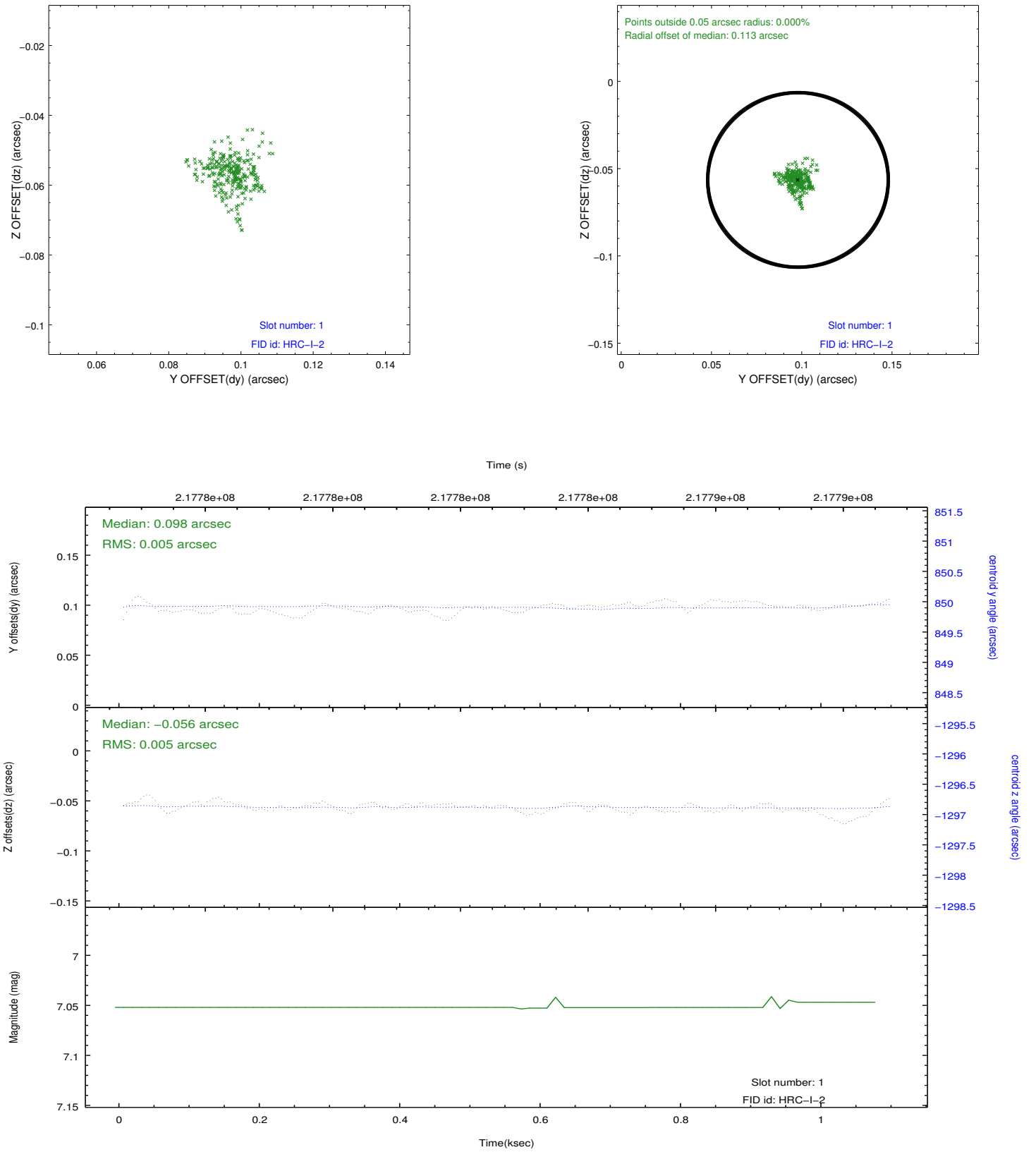


## 2.5 FID Slots

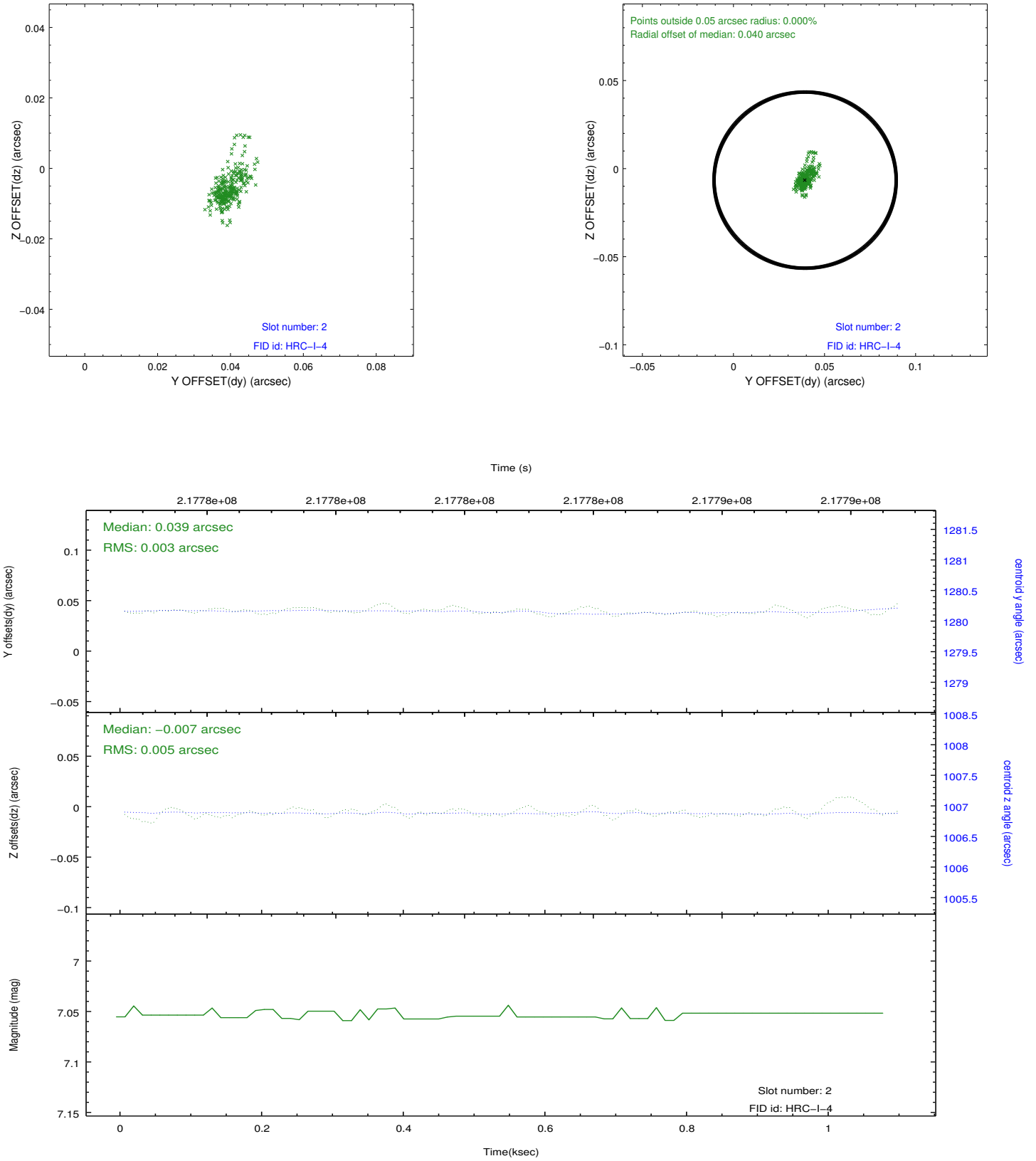
### 2.5.1 Slot 0



## 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)	2012.12.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.089831

### A.2 Comments