

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11893 - L2 Version 2  
Chandra X-Ray Center

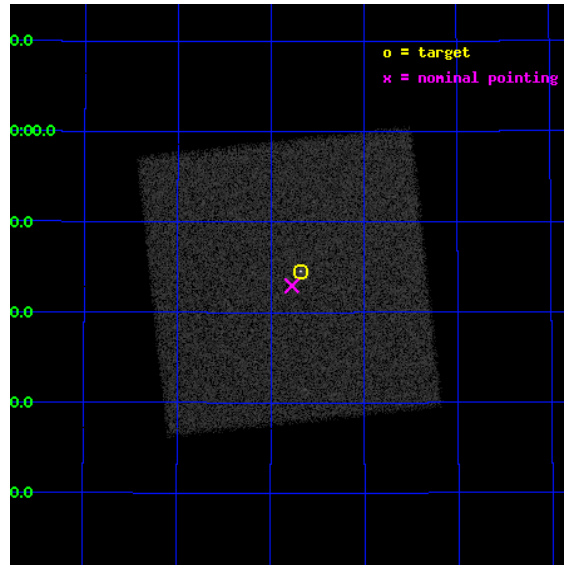
L2 Processing Date : Jul 3 2012

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# 1 Front

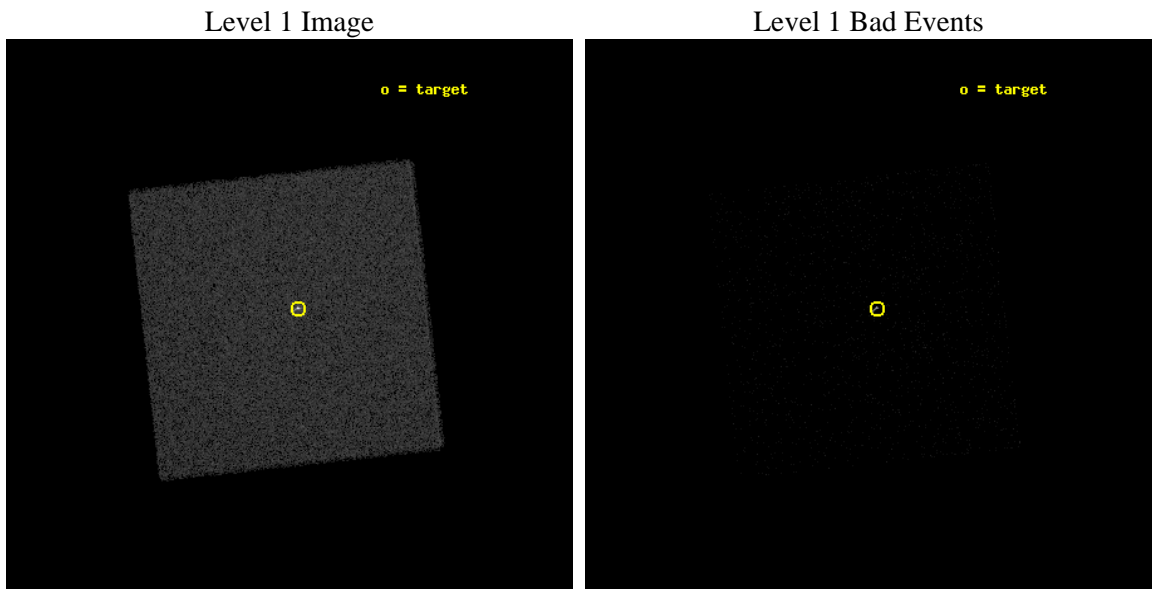
seq_num	290882	Sequence number
obs_id	11893	Observation id
title	AO-11 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.19330951324	Nominal RA [deg]
dec_nom	45.715965378966	Nominal Dec [deg]
roll_nom	218.71345067892	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1175.9313102365	[s]
livetime	1161.8897148373	Ontime multiplied by DTCOR
l2events	104649	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	1175.9313102365	[s]
caldbver	4.5.0	&#160	l1events	178114	Number of level 1 events
date	2012-07-03T23:48:08	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

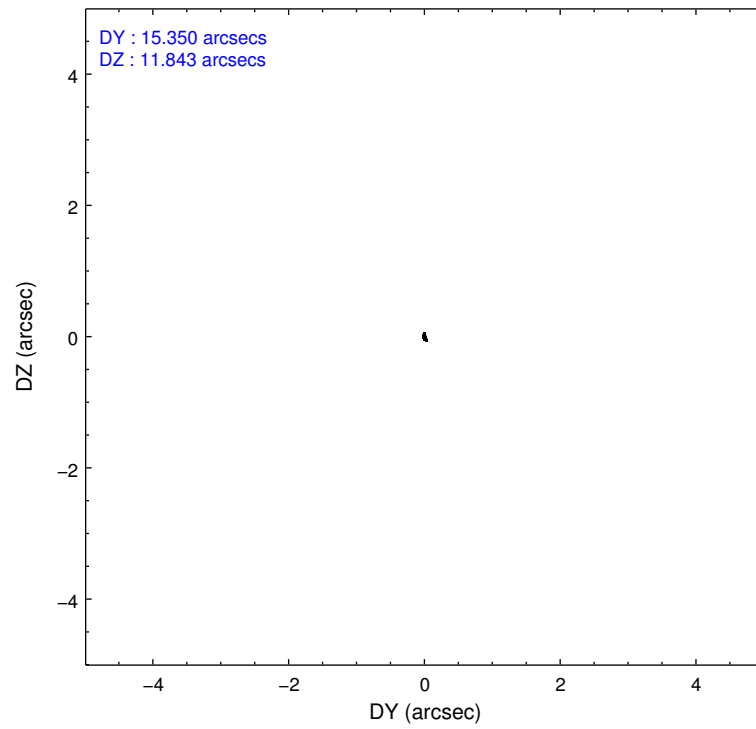
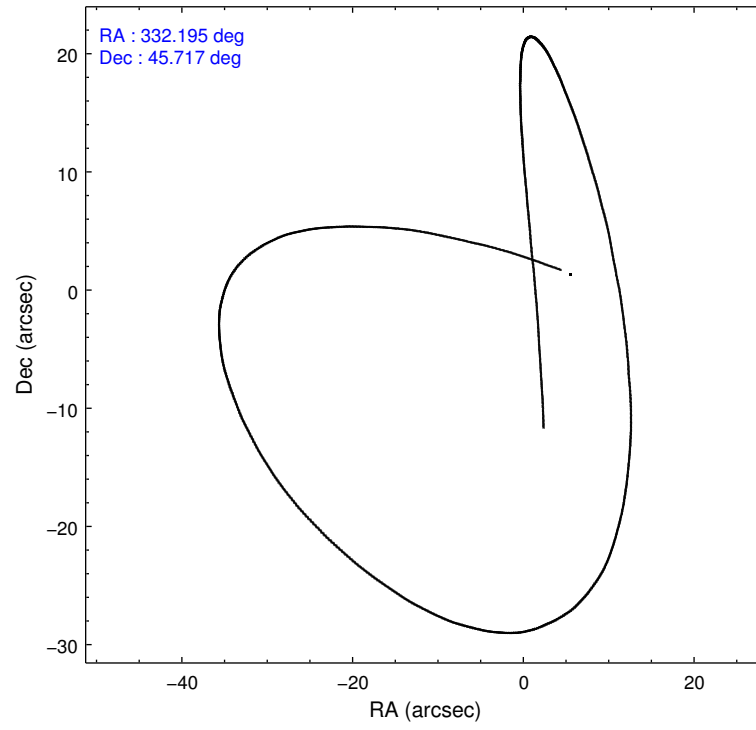
	<b>segment 0</b>
level 1 events	178114
rejected events	35678
rejected %	20%

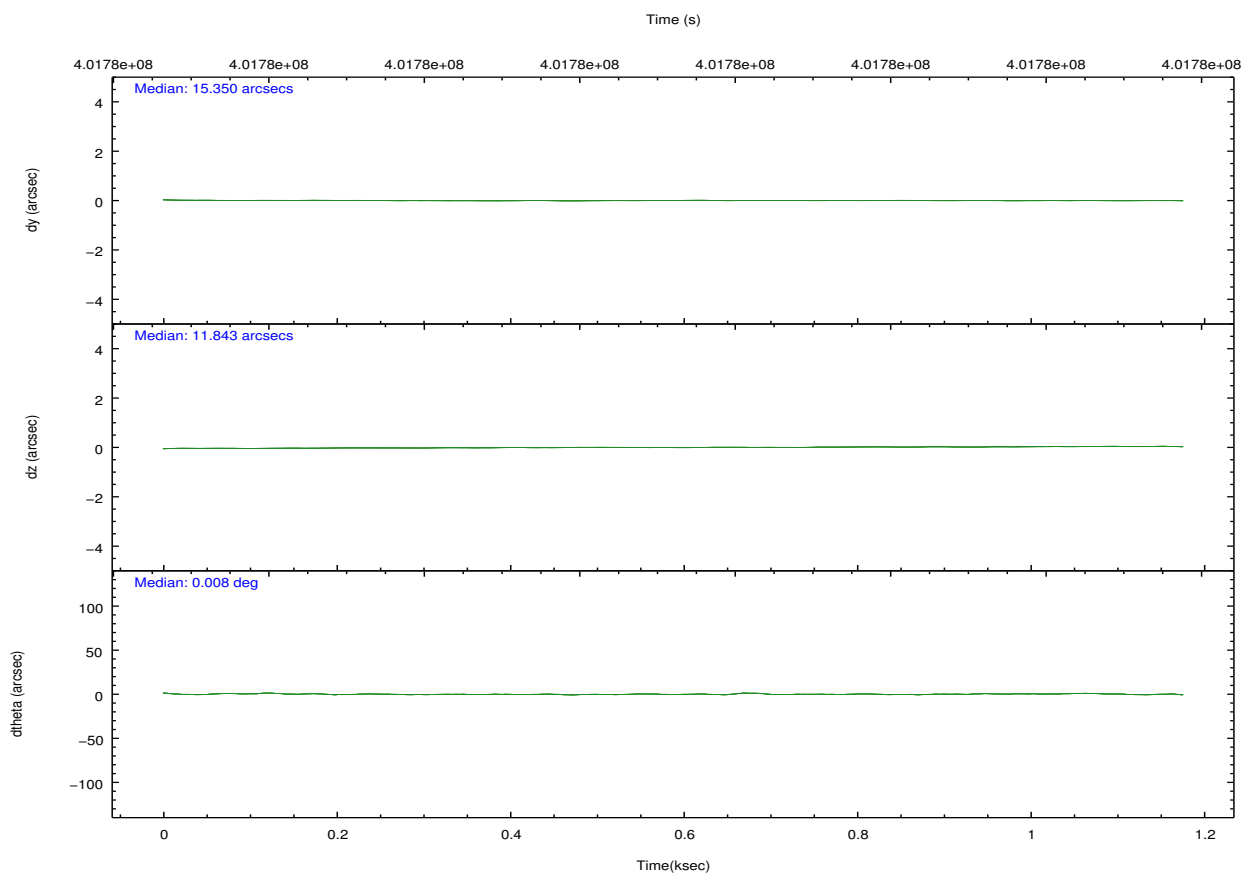
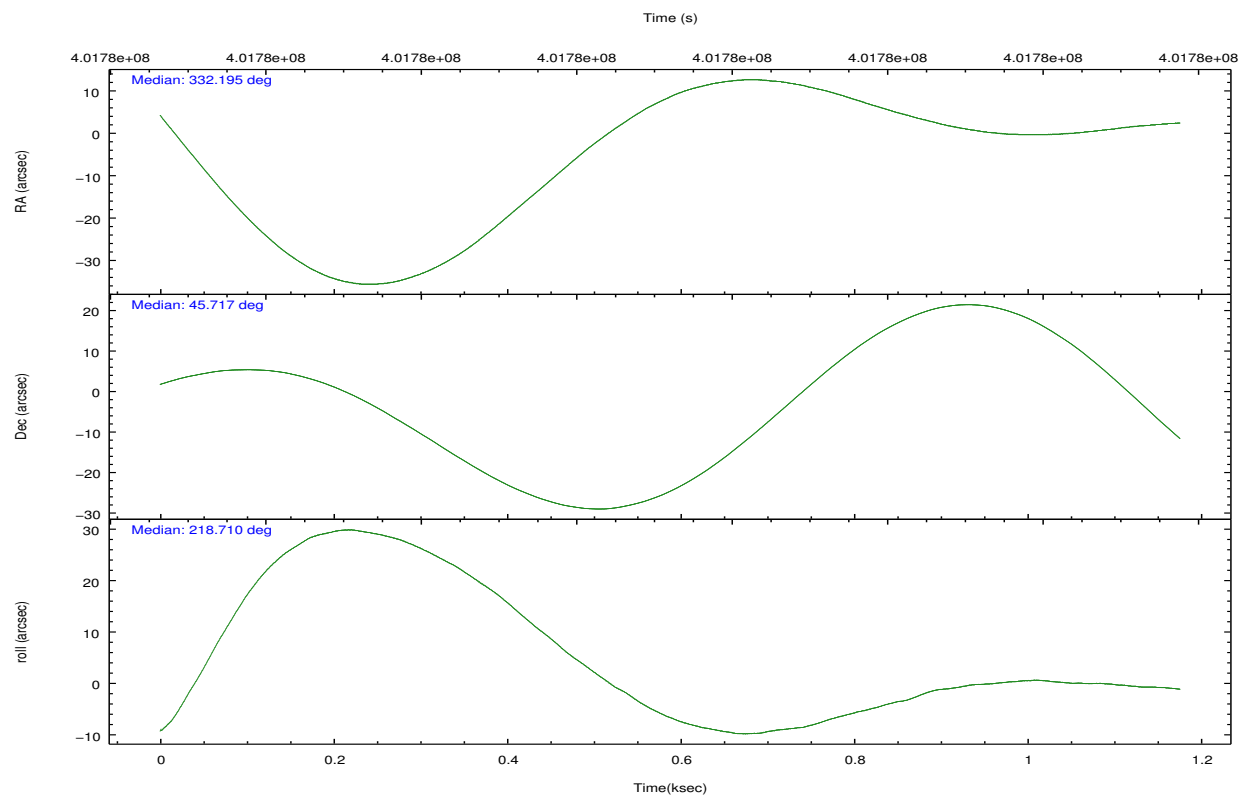
## 2.2 Compared Parameters

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	332.207450	332.1933095132381
[deg] Pointing Dec	45.740652	45.71596537896633
[deg] Pointing Roll	218.798846	218.7134506789197
[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)	401779503.184000	401779127.03747
Observation start date	2010-09-25T05:23:57	2010-09-25T05:18:47
[s] Observation end time (MET)	401780503.184000	401780636.86255
Observation end date	2010-09-25T05:40:37	2010-09-25T05:43:56

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

## 2.3 Aspect





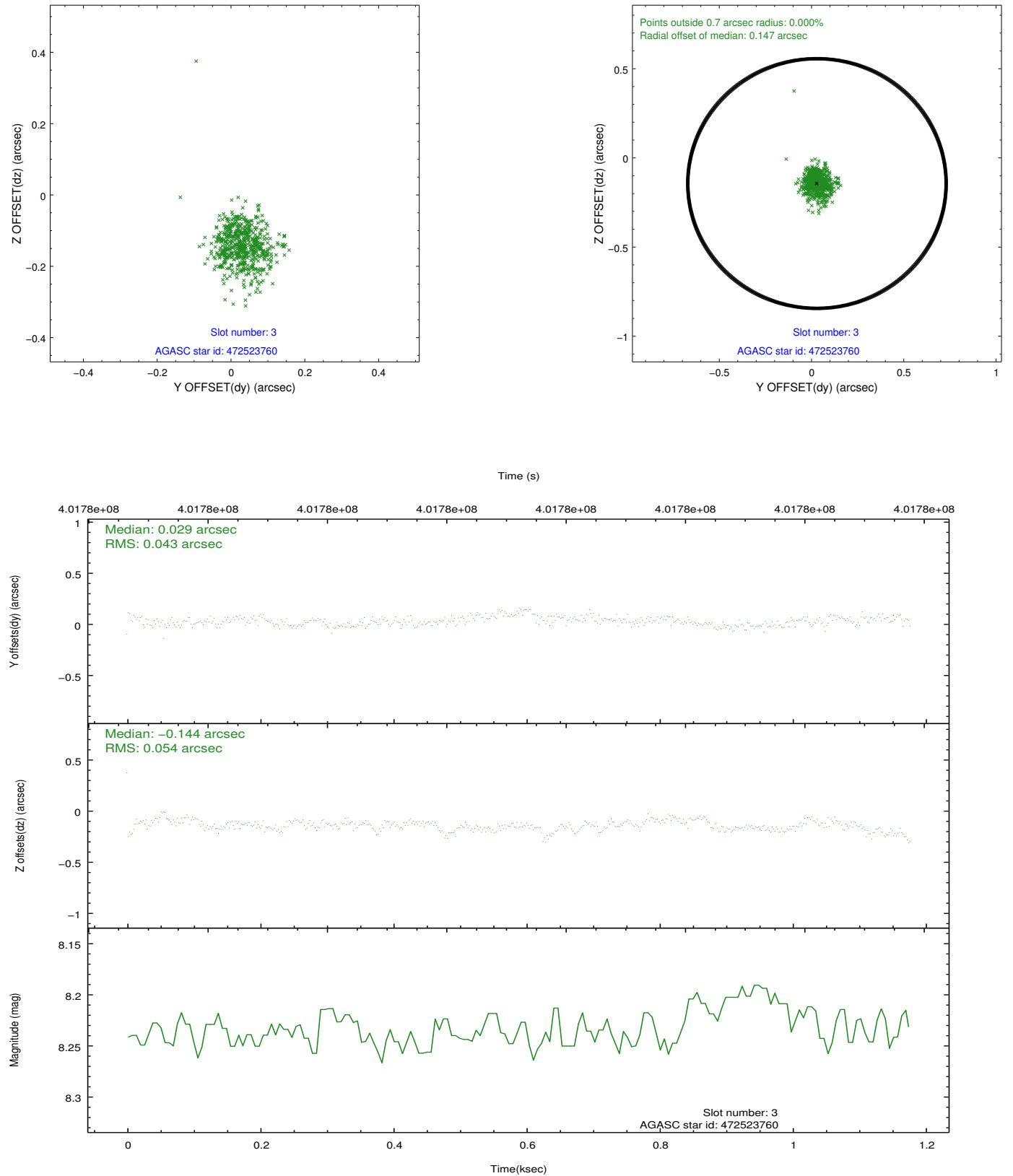
### Slot Statistics

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	287	0.118	-0.100	0.006	0.010	0.000000	0.000000	841.59	-1301.50
1	FID	HRC-I-3	7.05	287	-0.115	0.056	0.005	0.009	0.000000	0.000000	-1196.84	1000.25
2	FID	HRC-I-4	6.97	287	0.117	-0.043	0.006	0.010	0.000000	0.000000	1267.57	1005.78
3	GUIDE	472523760	8.23	575	0.029	-0.144	0.069	0.114	331.645363	45.403260	1866.07	56.50
4	GUIDE	472533912	9.15	574	0.100	0.132	0.138	0.231	331.791136	46.368695	-608.30	-2407.92
5	GUIDE	472655152	9.43	572	0.069	-0.168	0.132	0.231	332.504239	45.862991	-856.95	121.80
6	GUIDE	472665256	9.02	575	0.154	0.143	0.110	0.165	332.808125	46.195041	-2195.67	-337.01
7	GUIDE	472525528	6.65	574	-0.351	0.046	0.071	0.115	331.551102	45.248694	2398.46	336.28

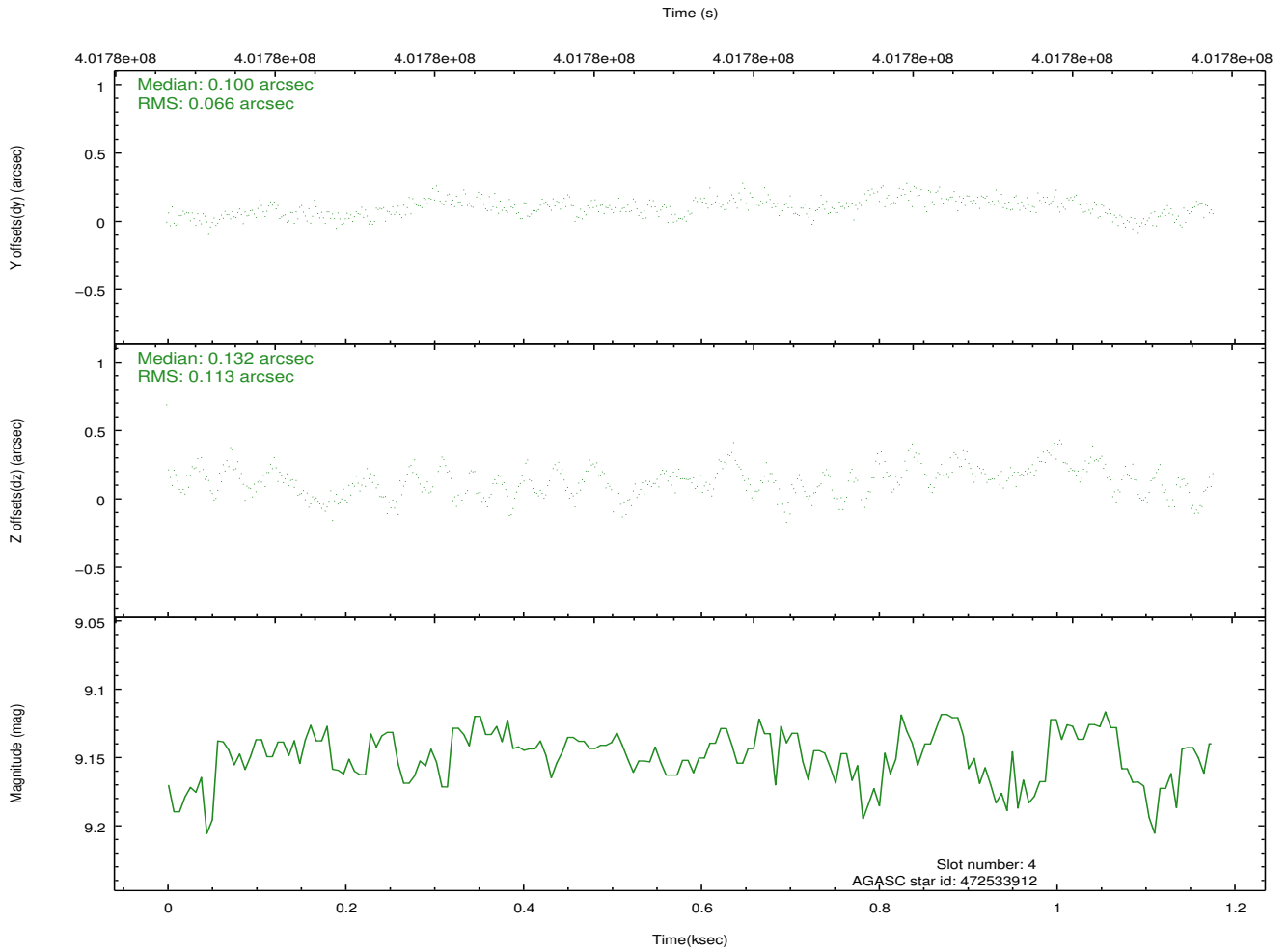
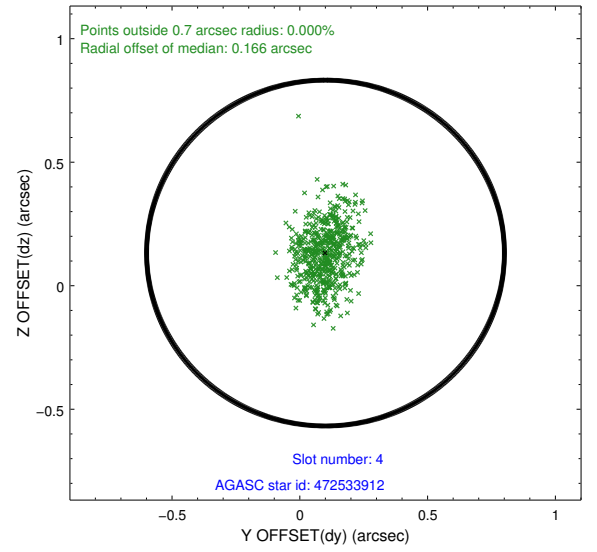
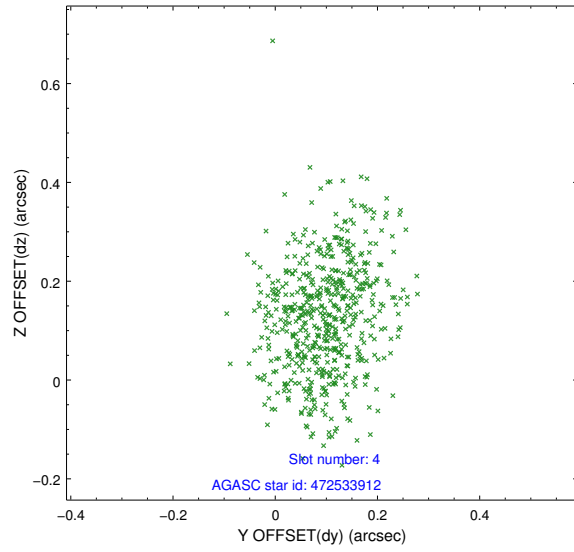


## 2.4 Star Slots

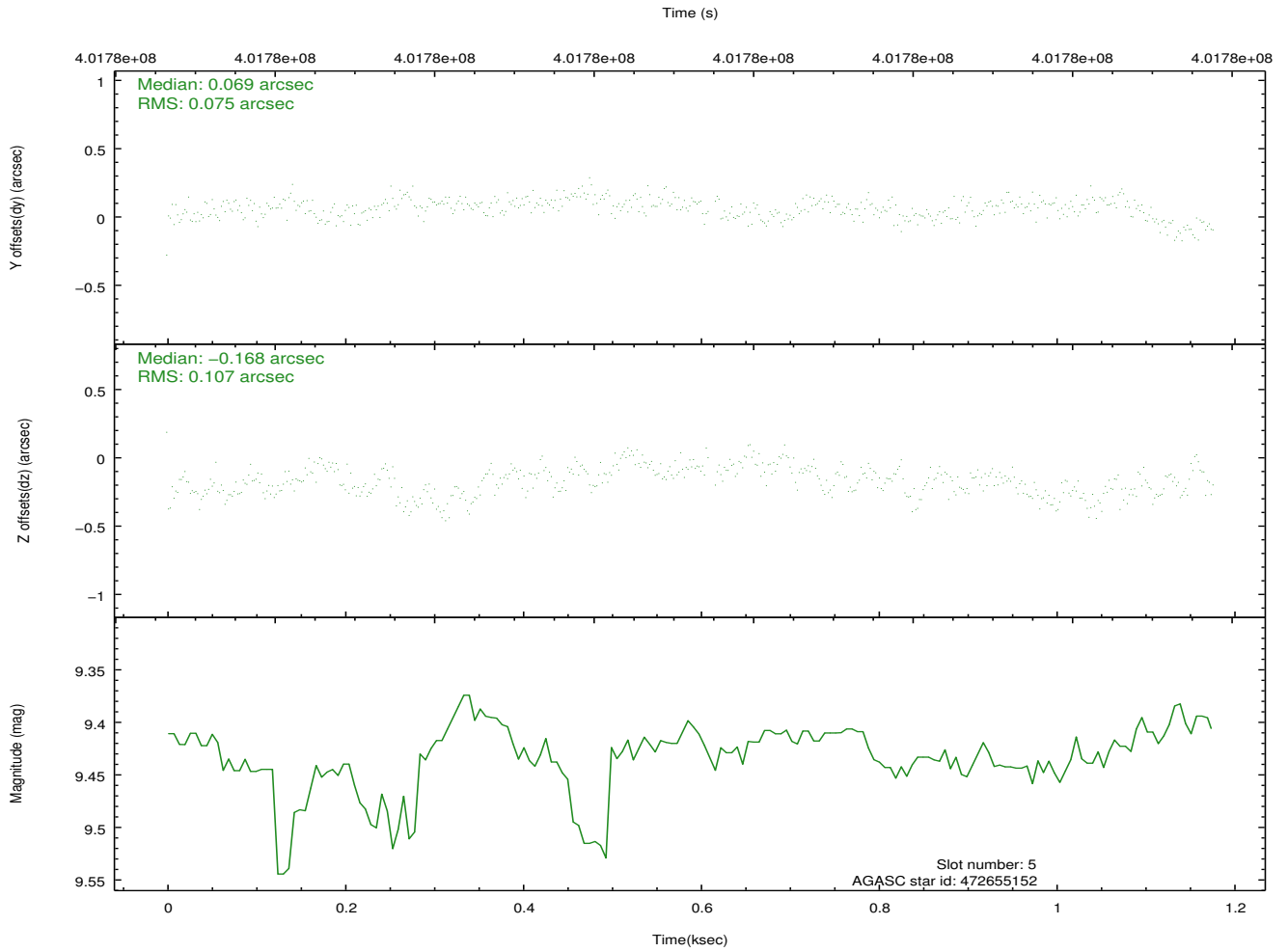
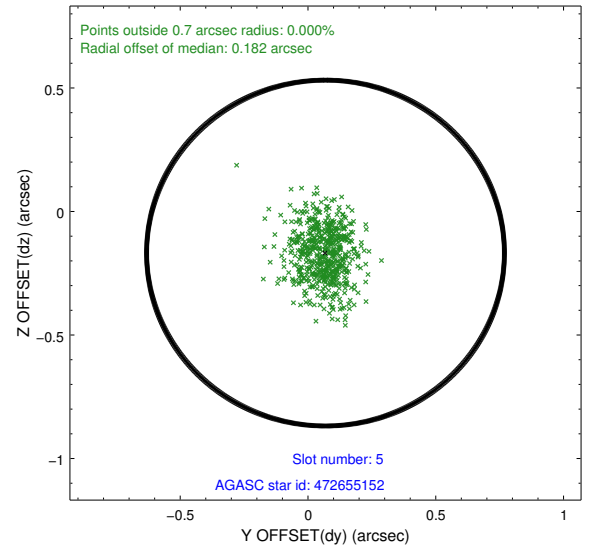
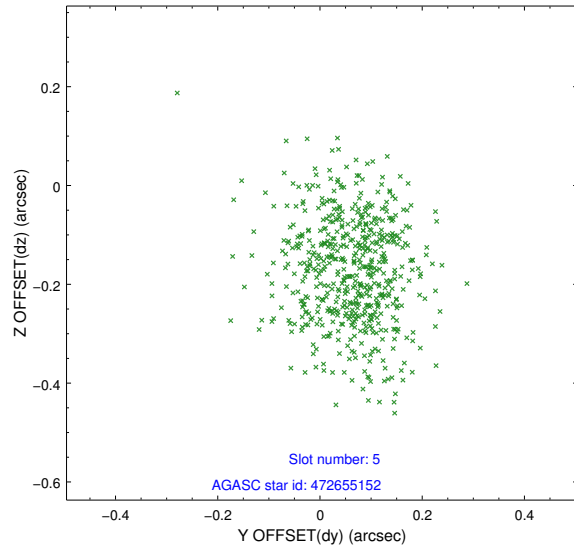
### 2.4.1 Slot 3



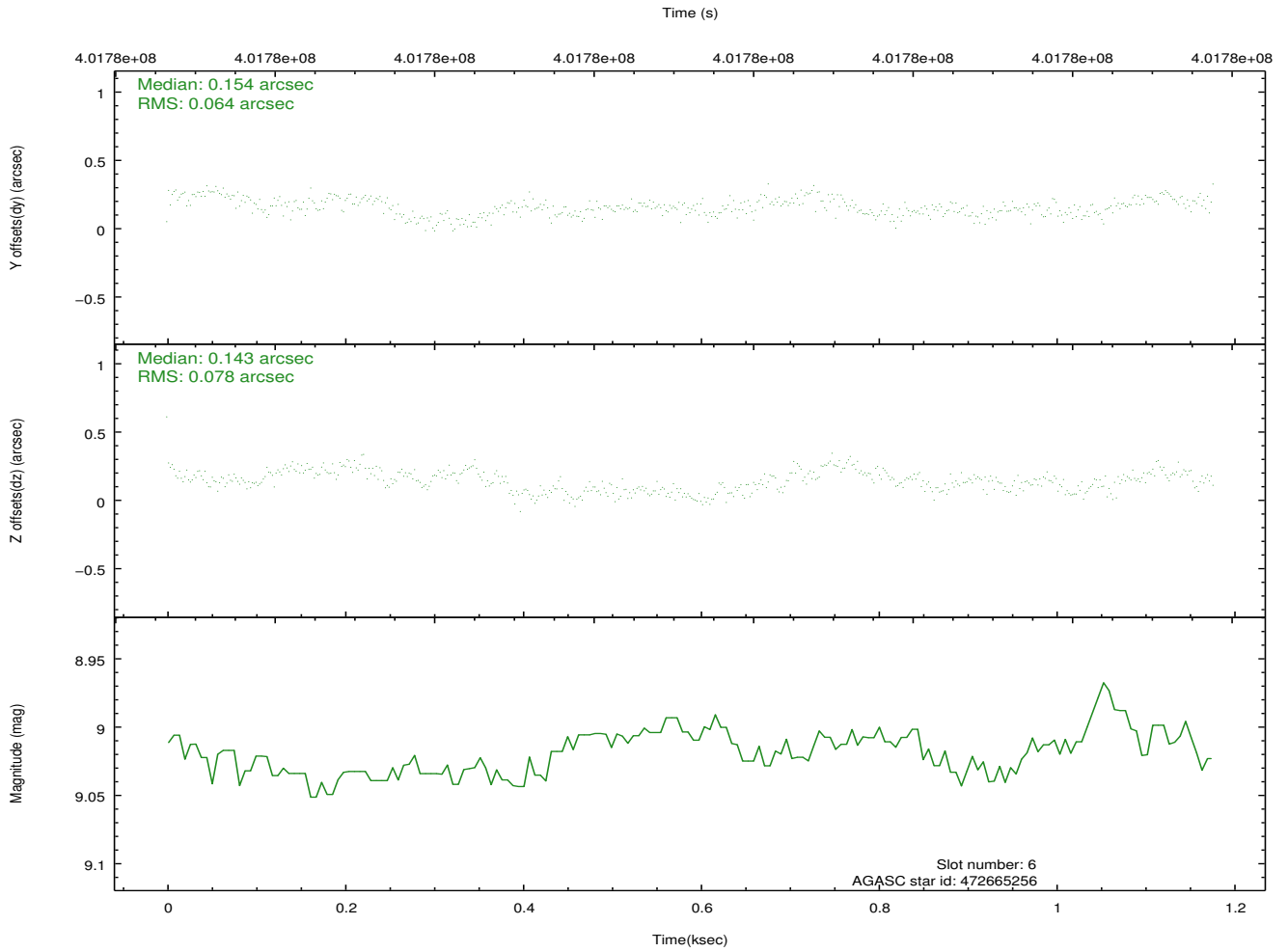
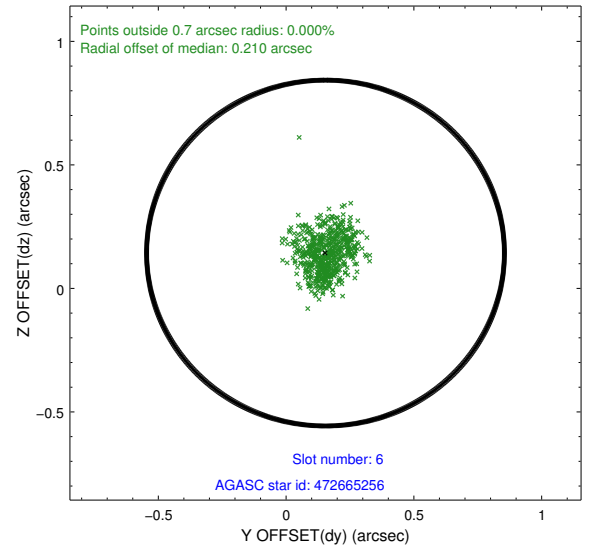
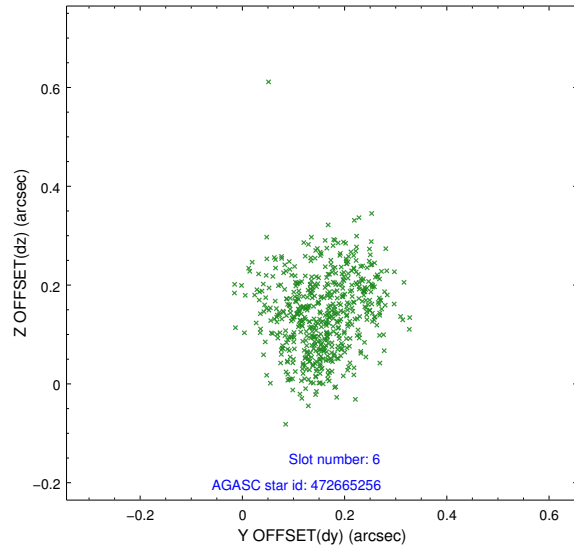
## 2.4.2 Slot 4



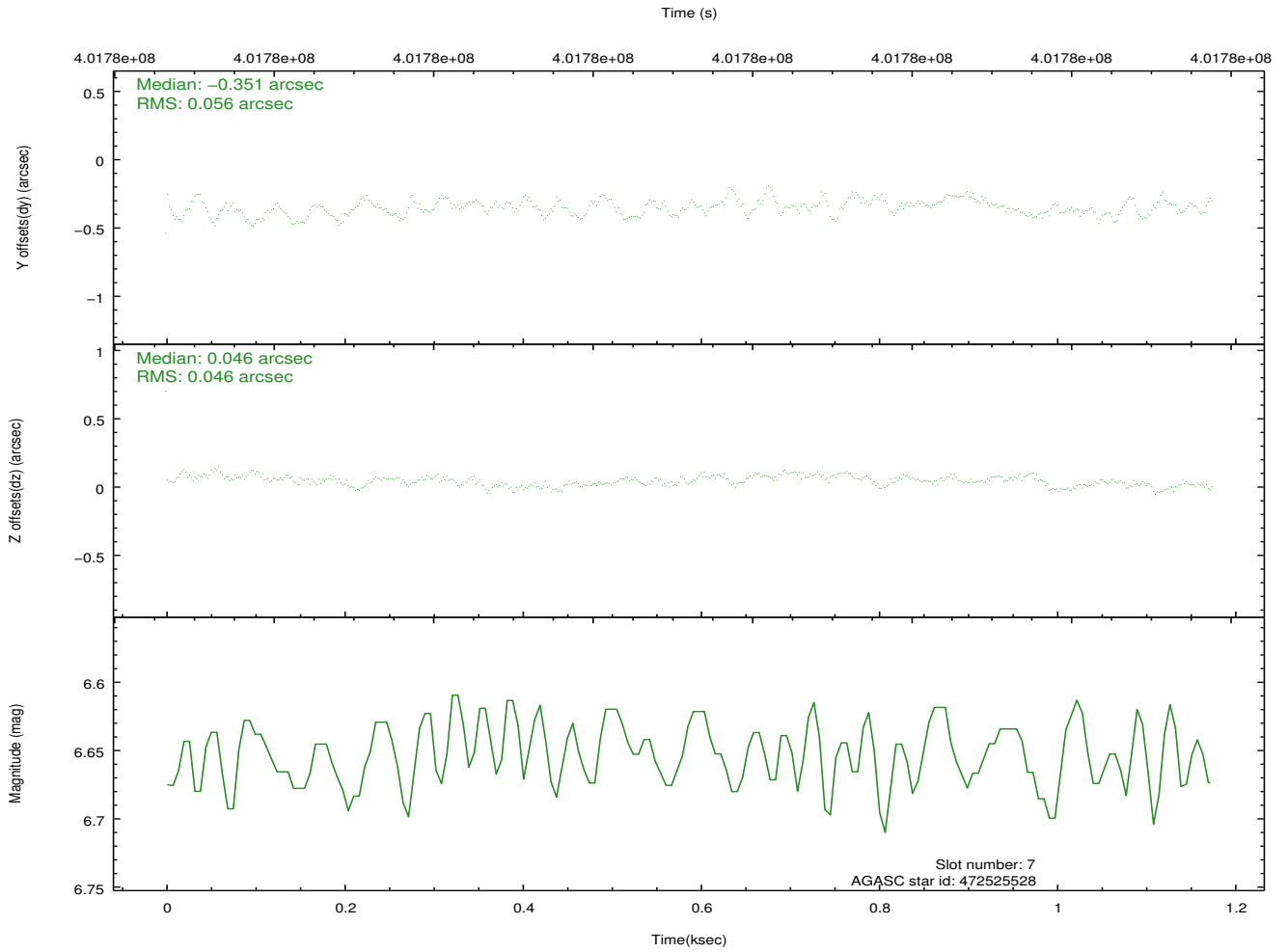
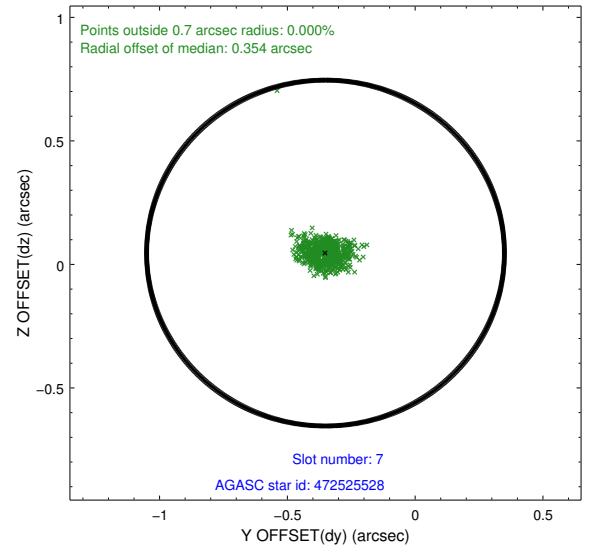
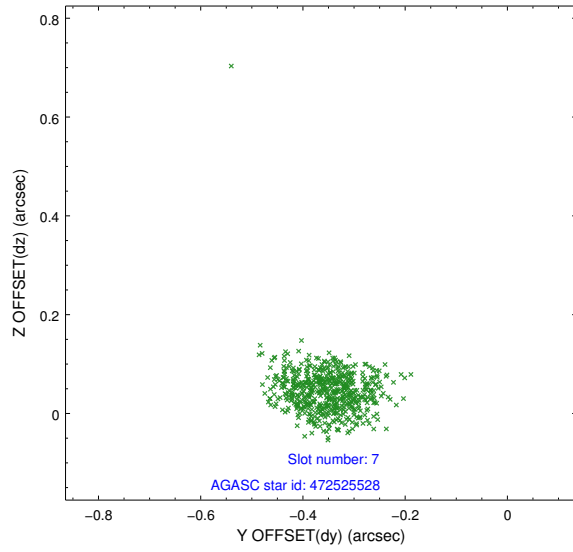
### 2.4.3 Slot 5



## 2.4.4 Slot 6

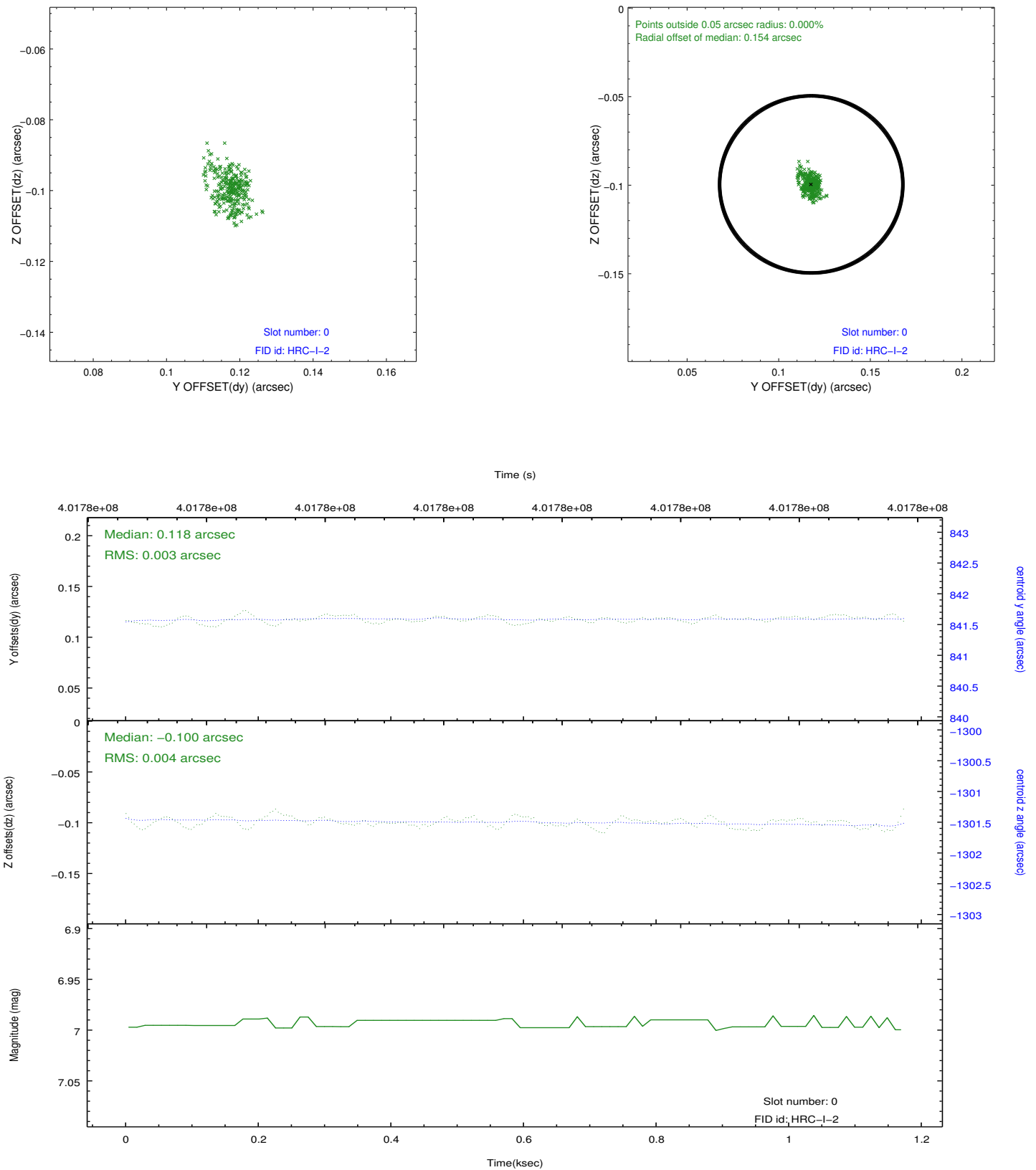


## 2.4.5 Slot 7

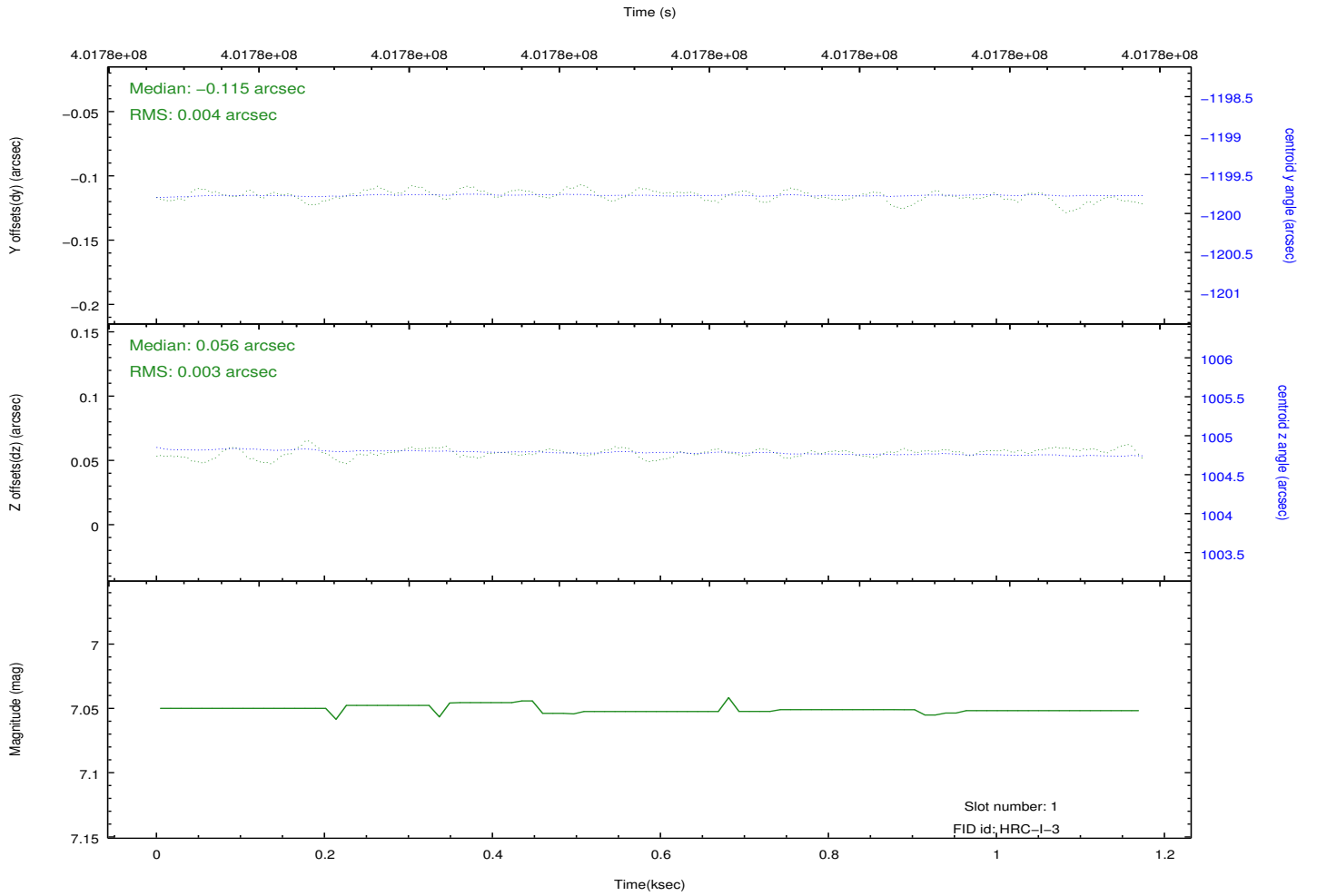
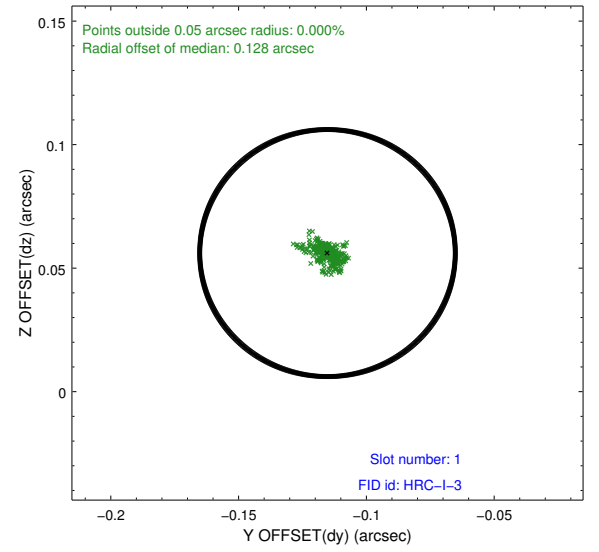
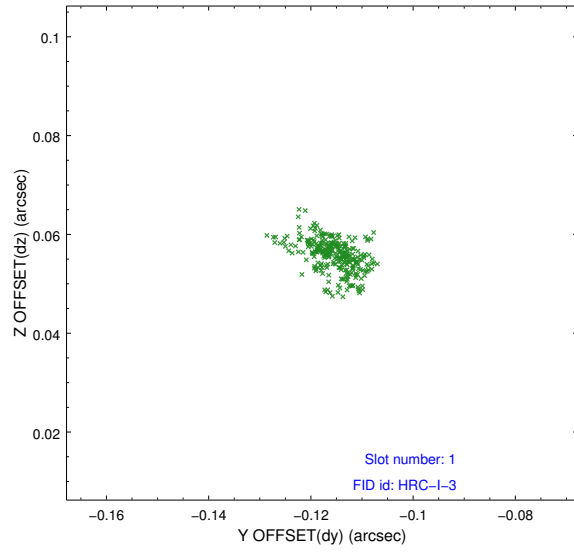


## 2.5 FID Slots

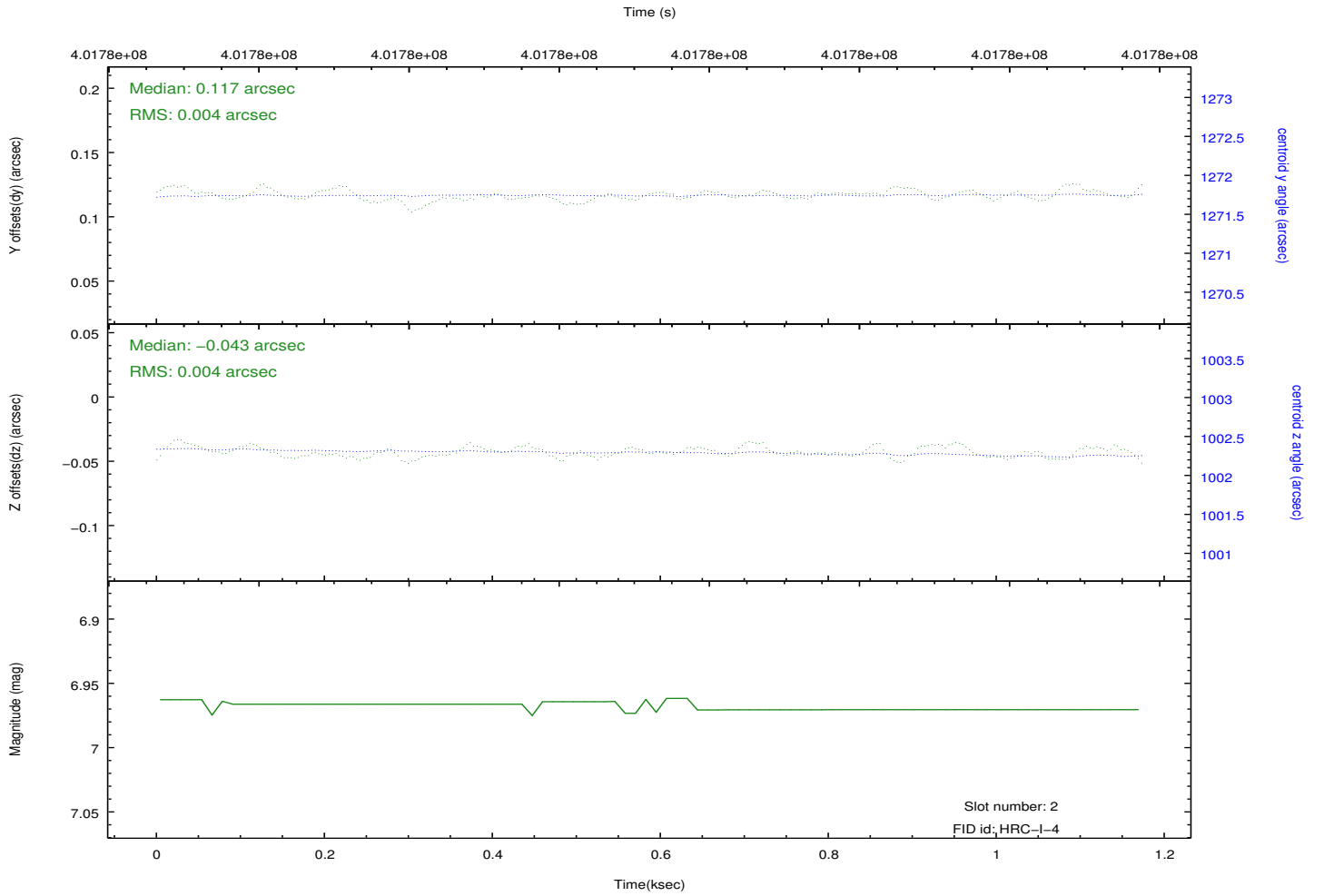
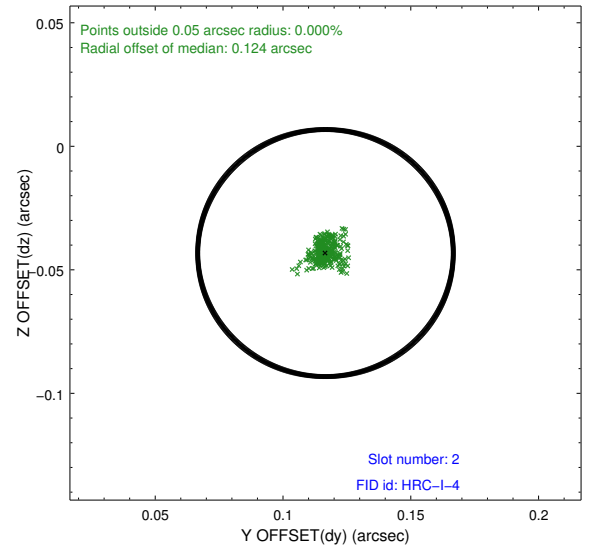
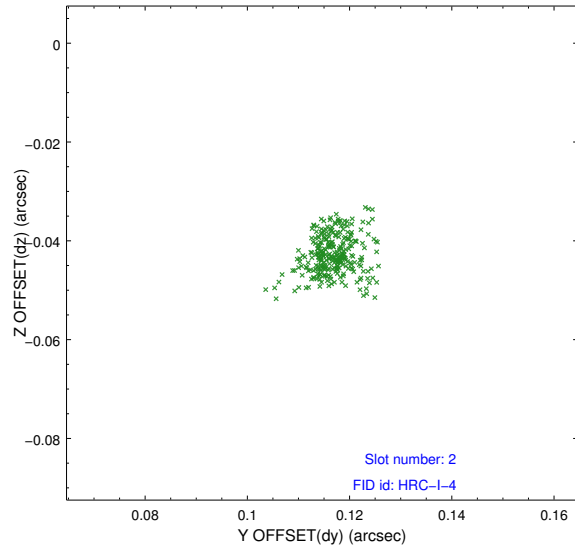
### 2.5.1 Slot 0



## 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	1.1759313103557

### A.2 Comments