

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13049 - L2 Version 3  
Chandra X-Ray Center

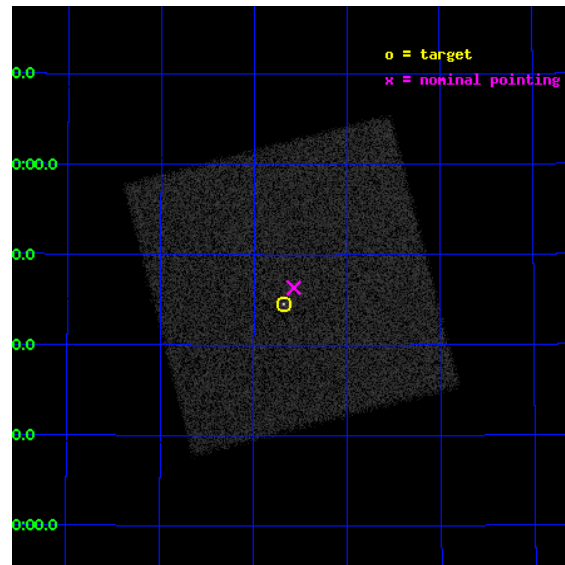
L2 Processing Date : Jul 27 2012

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# 1 Front

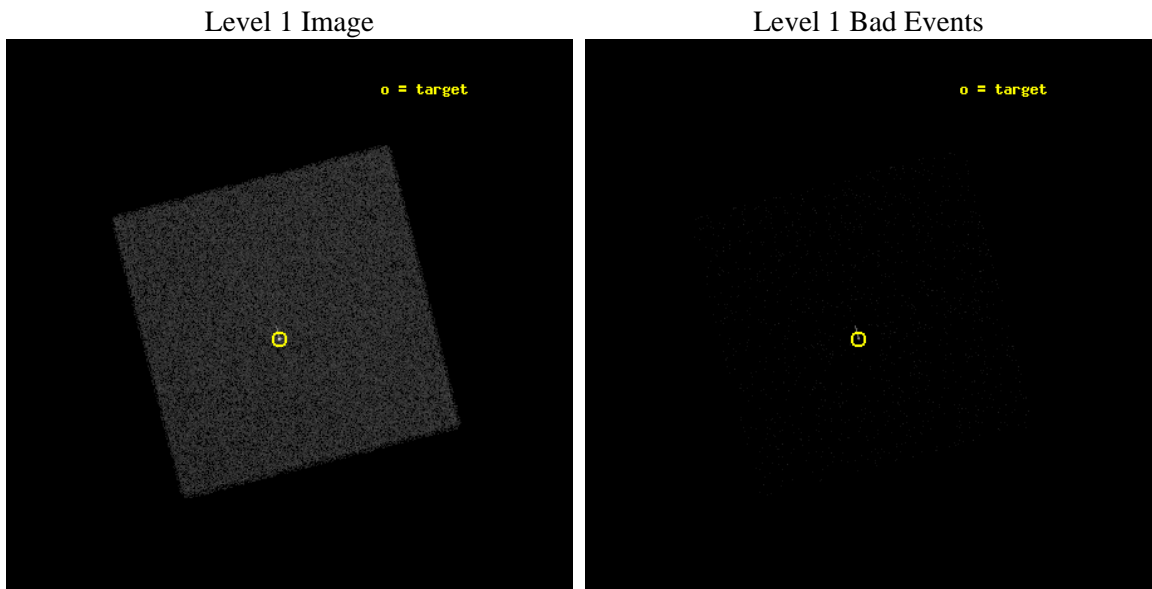
seq_num	290968	Sequence number
obs_id	13049	Observation id
title	AO-12 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.14261634546	Nominal RA [deg]
dec_nom	45.772525897721	Nominal Dec [deg]
roll_nom	210.59008528968	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1188.231302321	[s]
livetime	1177.0087943262	Ontime multiplied by DTCOR
l2events	82111	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	1188.2313123345	[s]
caldbver	4.5.1	&#160	l1events	142081	Number of level 1 events
date	2012-07-28T01:33:46	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

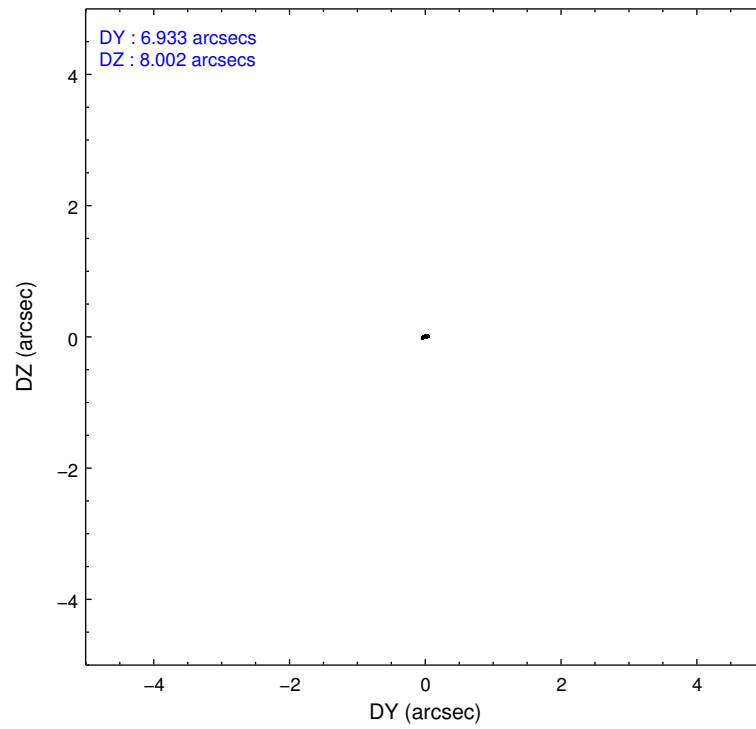
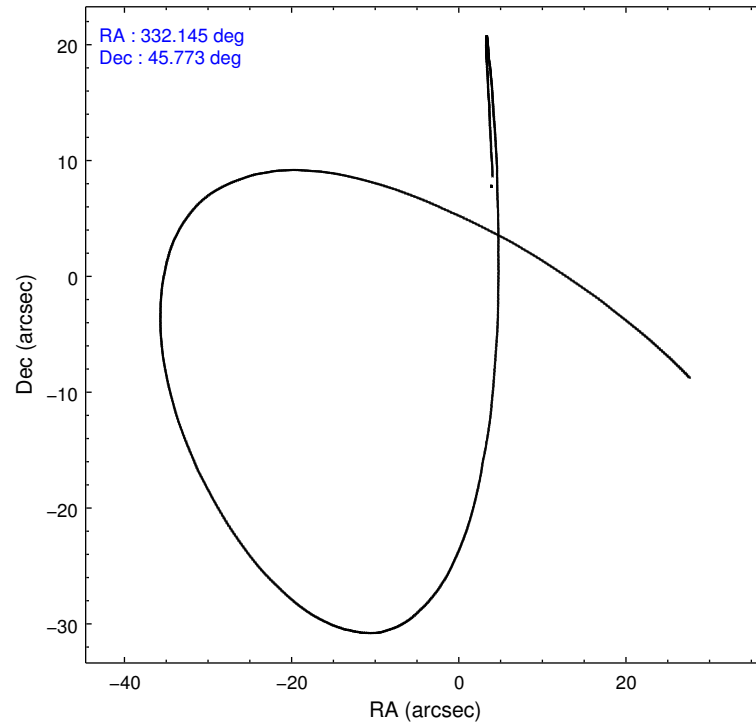
	<b>segment 0</b>
level 1 events	142081
rejected events	29934
rejected %	21%

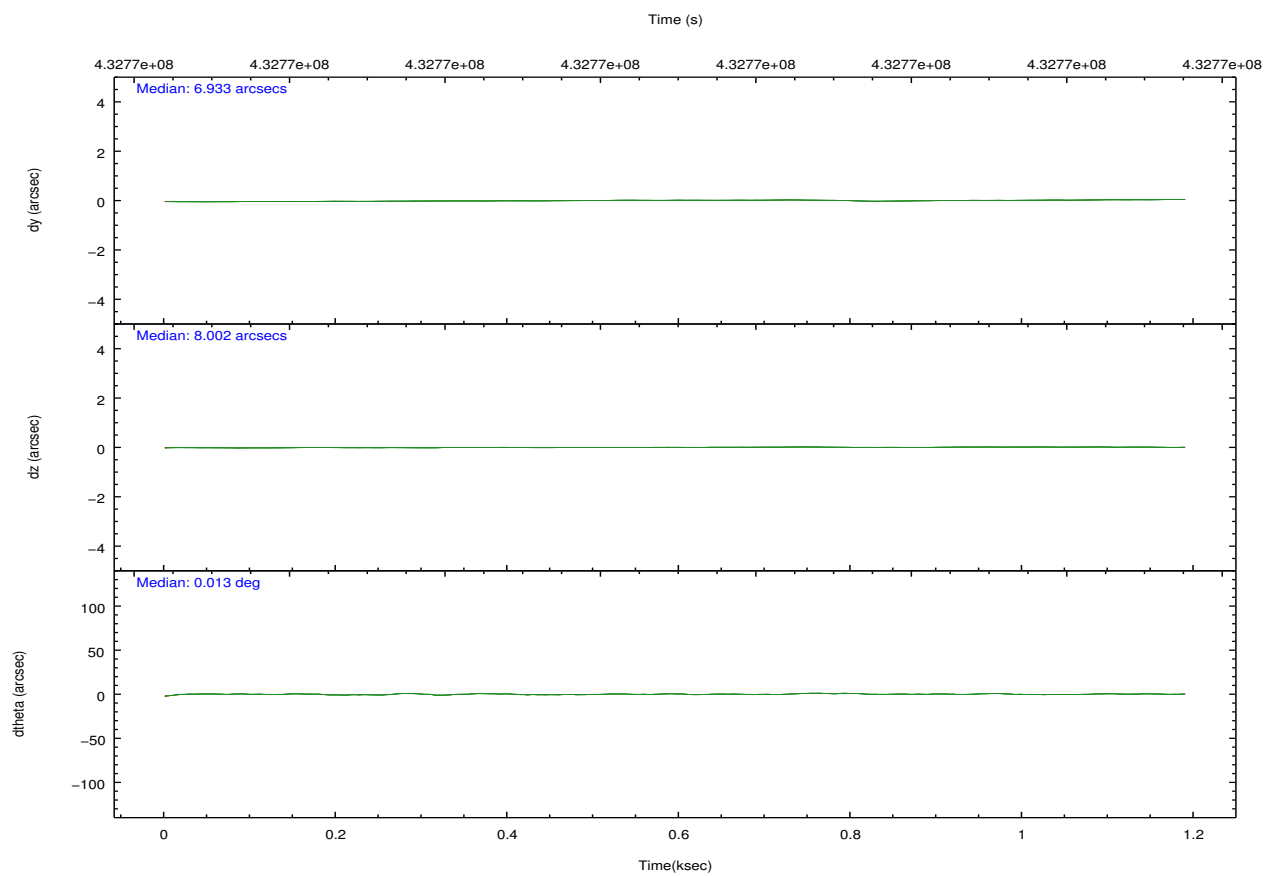
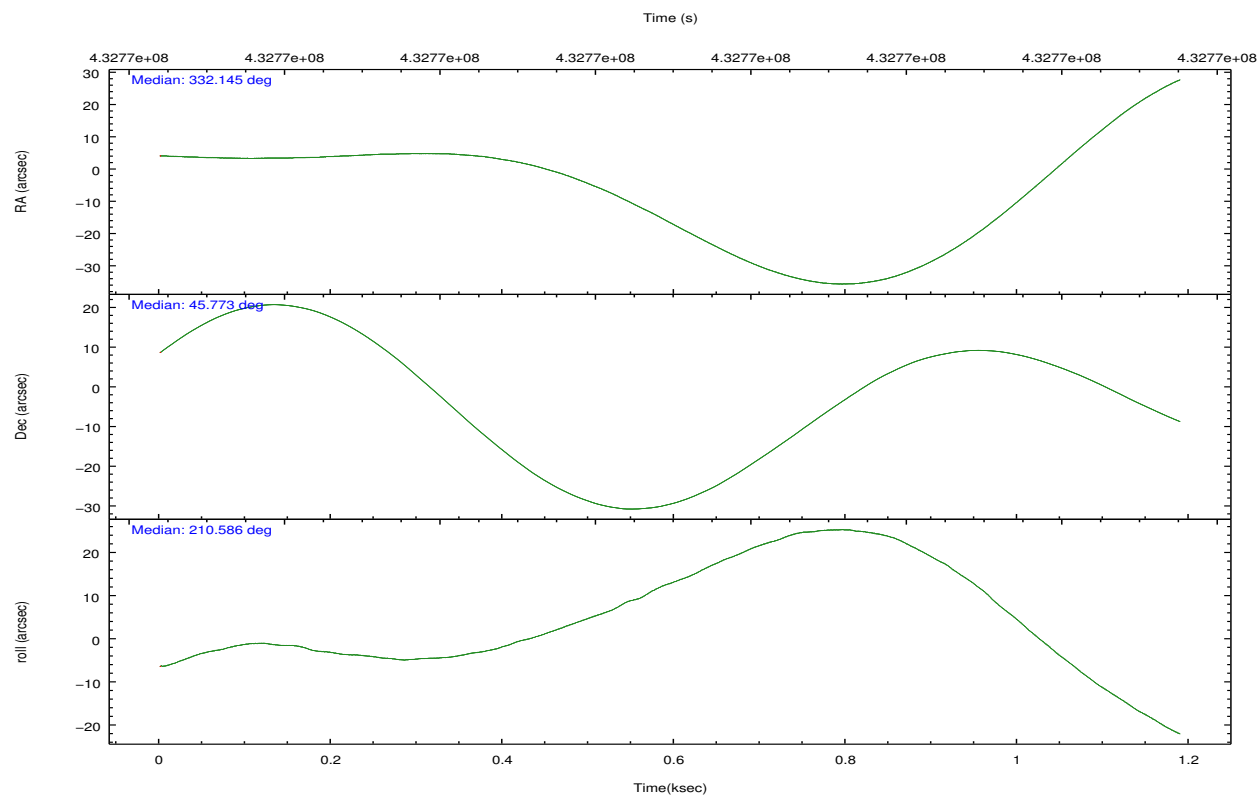
## 2.2 Compared Parameters

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	332.161096	332.1426163454575
[deg] Pointing Dec	45.795582	45.7725258977209
[deg] Pointing Roll	210.672304	210.5900852896825
[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)	432771295.184000	432770919.62274
Observation start date	2011-09-18T22:13:49	2011-09-18T22:08:39
[s] Observation end time (MET)	432772295.184000	432772429.44782
Observation end date	2011-09-18T22:30:29	2011-09-18T22:33:49

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

## 2.3 Aspect





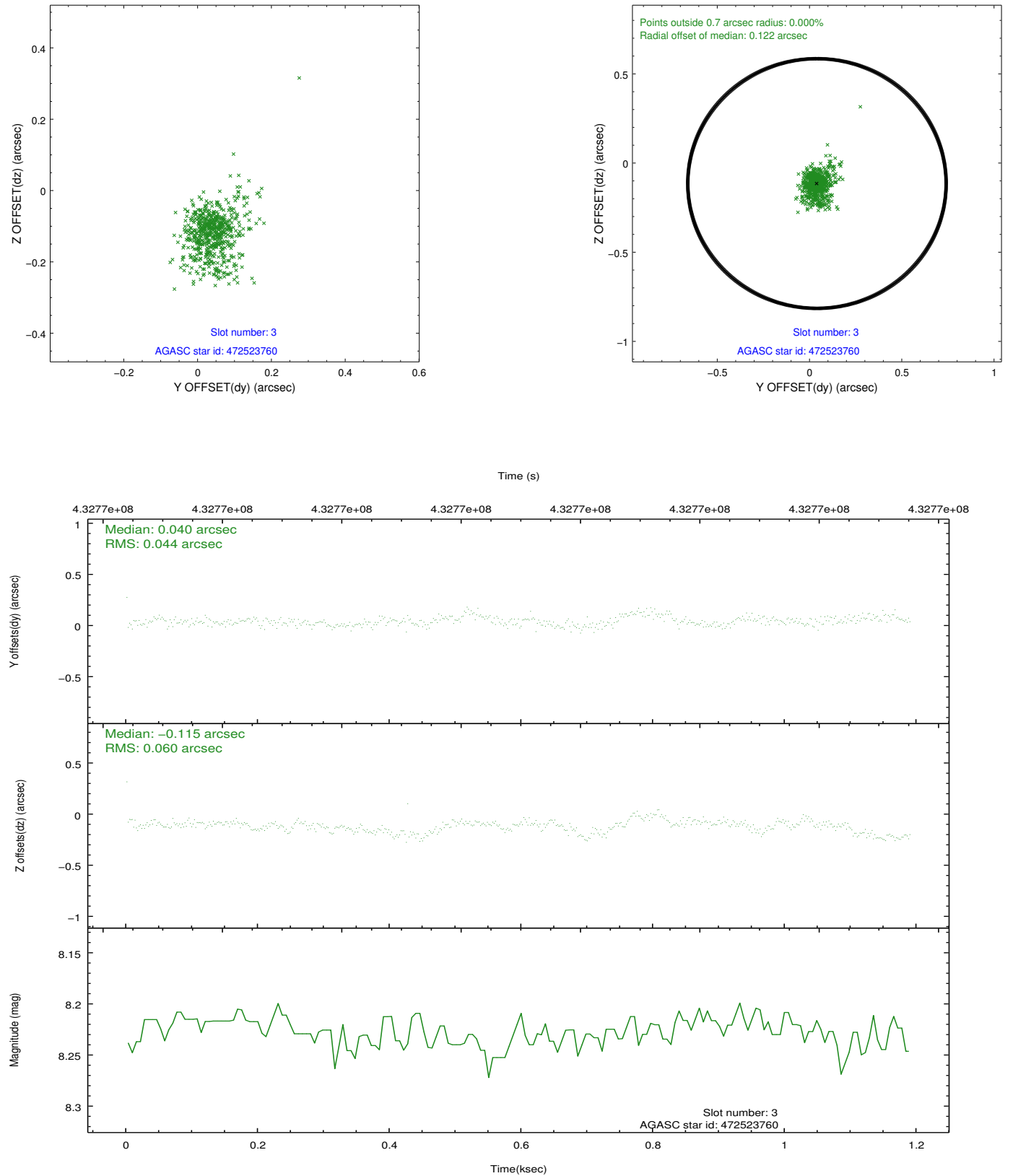
### Slot Statistics

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	291	0.035	-0.018	0.006	0.010	0.000000	0.000000	-762.58	-1295.84
1	FID	HRC-I-3	7.03	291	-0.125	-0.041	0.007	0.012	0.000000	0.000000	-1193.67	1004.28
2	FID	HRC-I-4	6.97	291	0.205	-0.031	0.005	0.009	0.000000	0.000000	1276.46	1009.62
3	GUIDE	472523760	8.23	581	0.040	-0.115	0.073	0.132	331.645363	45.403260	1841.45	549.48
4	GUIDE	472533912	9.15	581	0.072	0.017	0.145	0.451	331.791136	46.368695	-258.05	-2240.94
5	GUIDE	472655152	9.42	581	0.090	-0.140	0.130	0.216	332.504239	45.862991	-863.25	227.93
6	GUIDE	472665256	9.01	581	0.173	0.203	0.090	0.140	332.808125	46.195041	-2123.24	-416.21
7	GUIDE	472525528	6.61	580	-0.379	0.025	0.080	0.185	331.551102	45.248694	2328.75	902.44

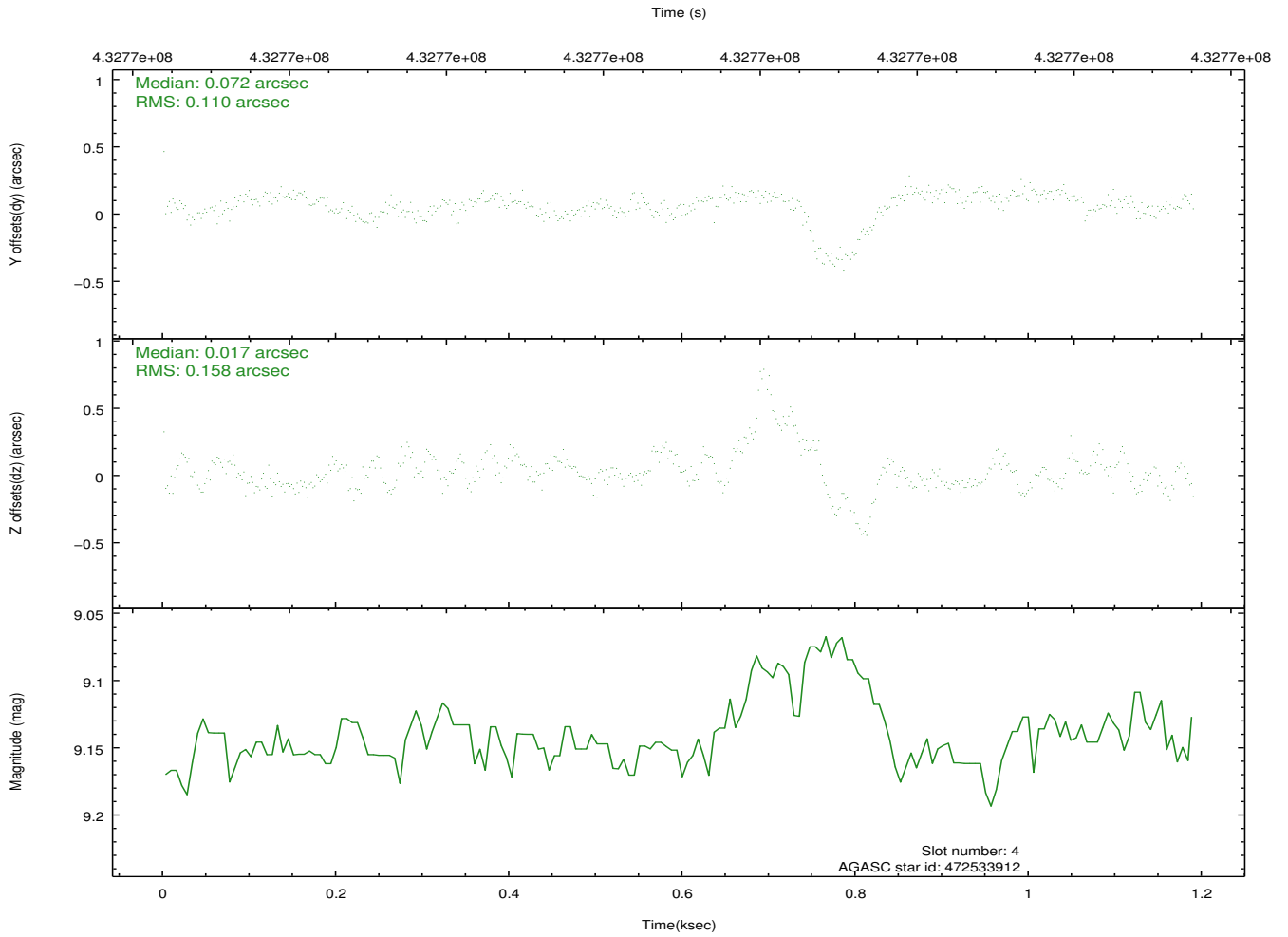
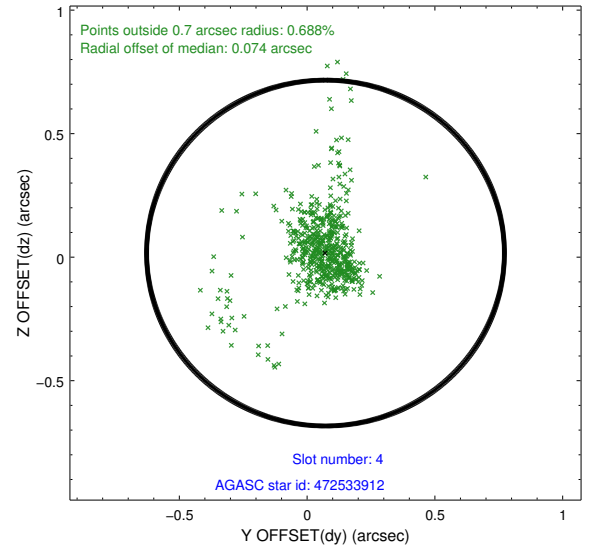
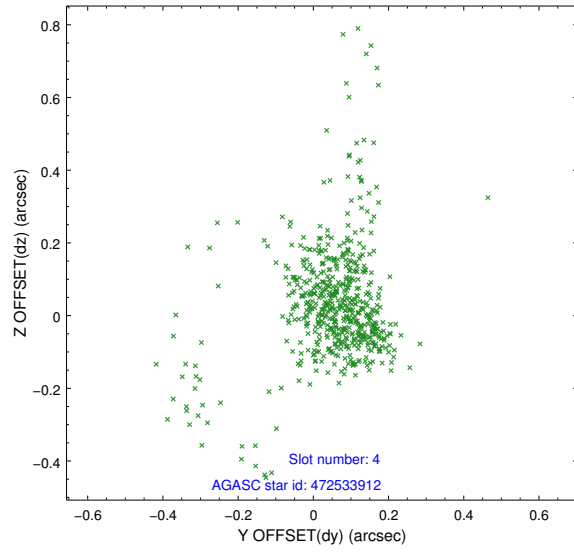


## 2.4 Star Slots

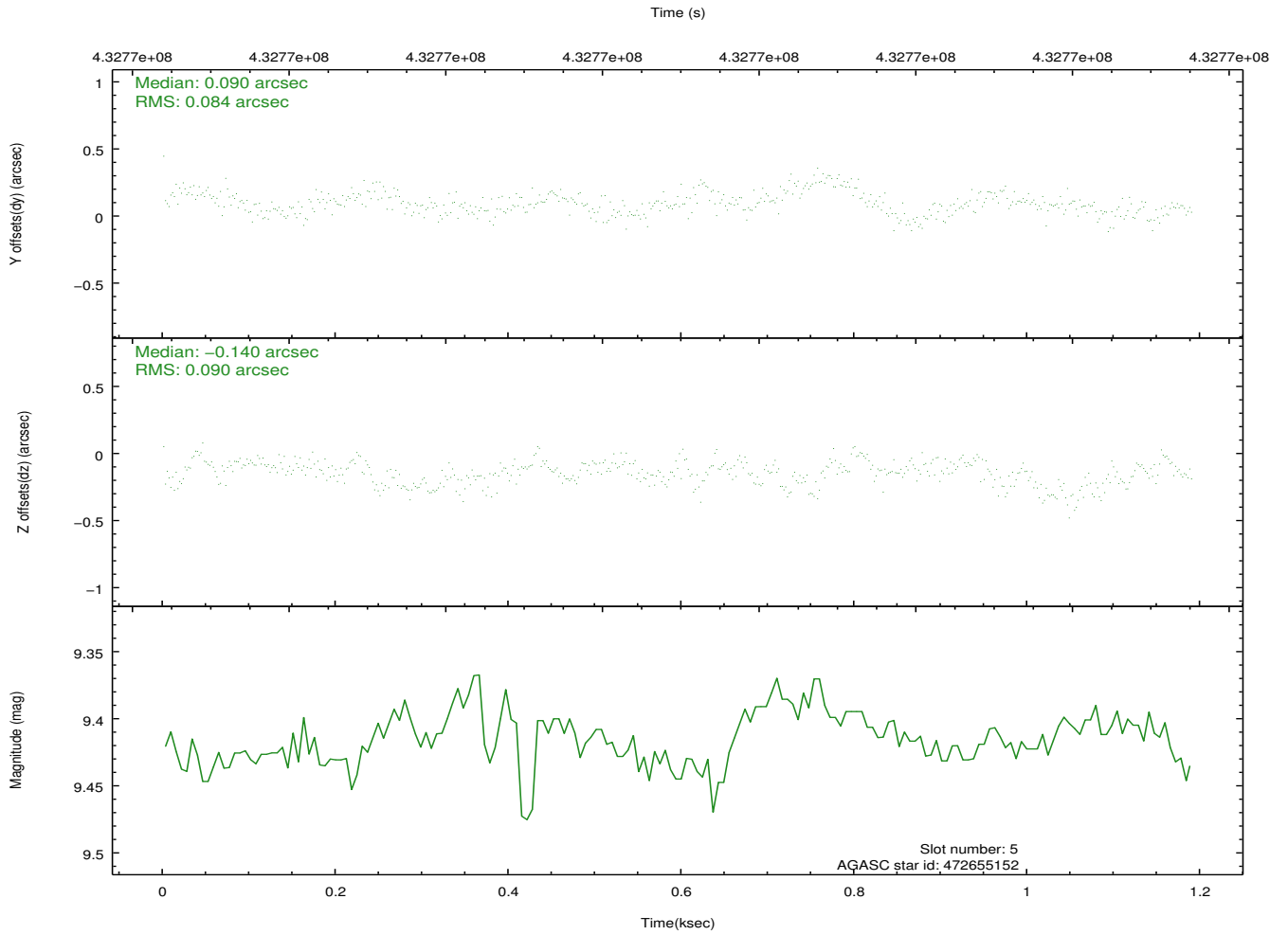
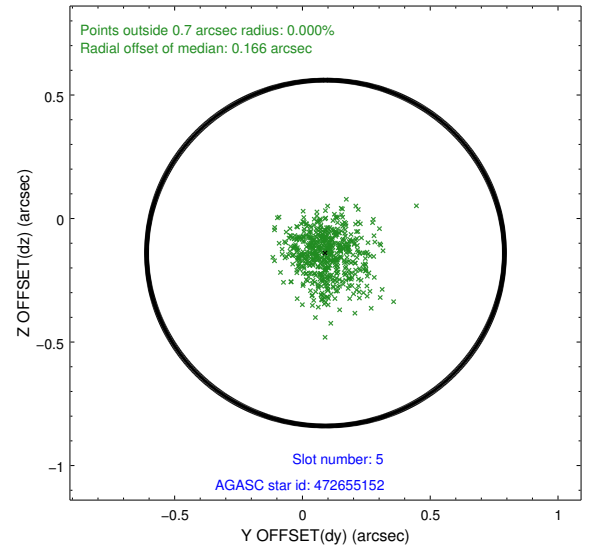
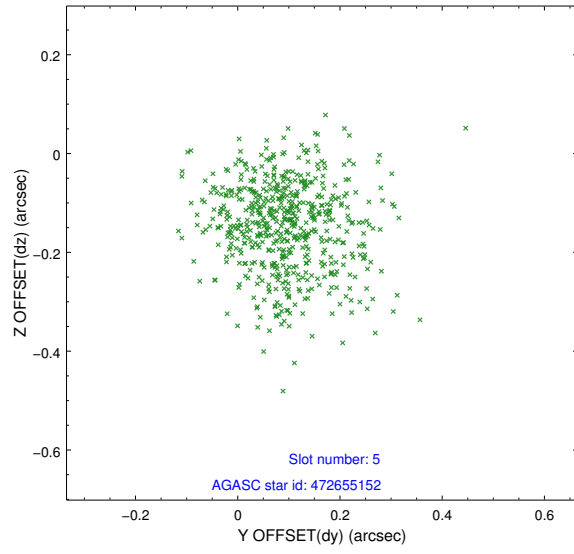
### 2.4.1 Slot 3



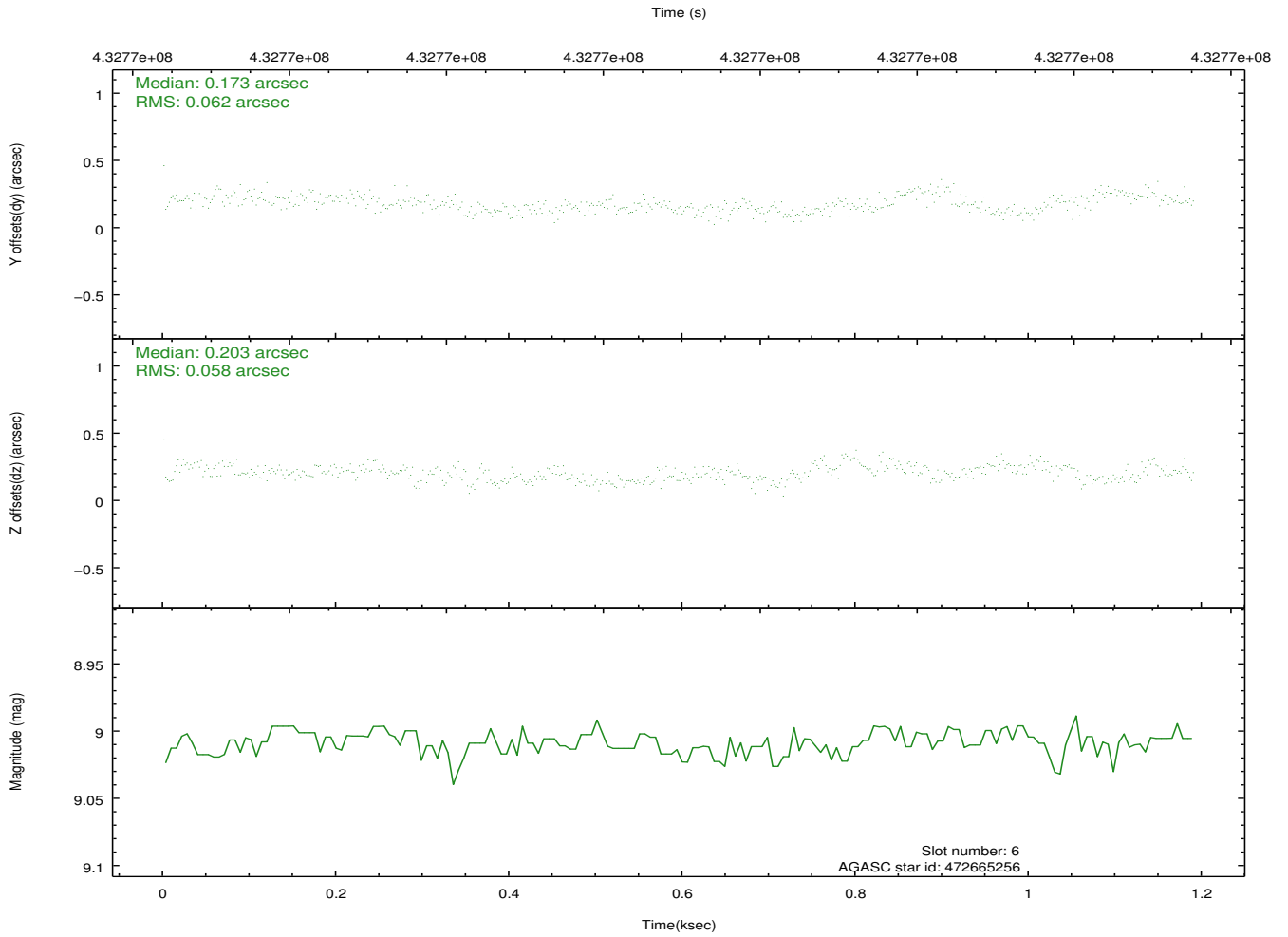
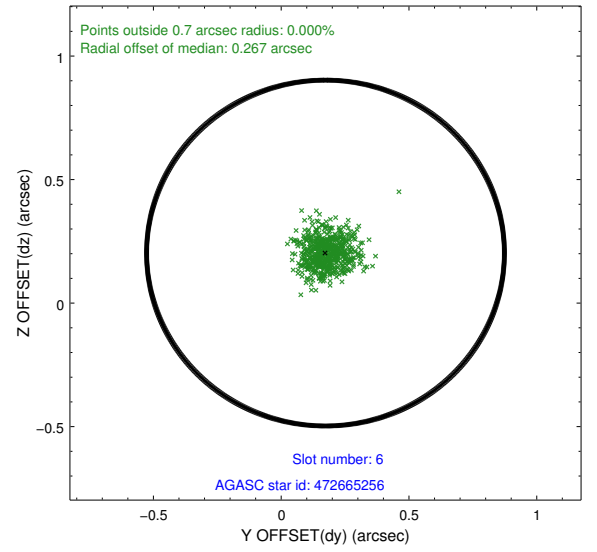
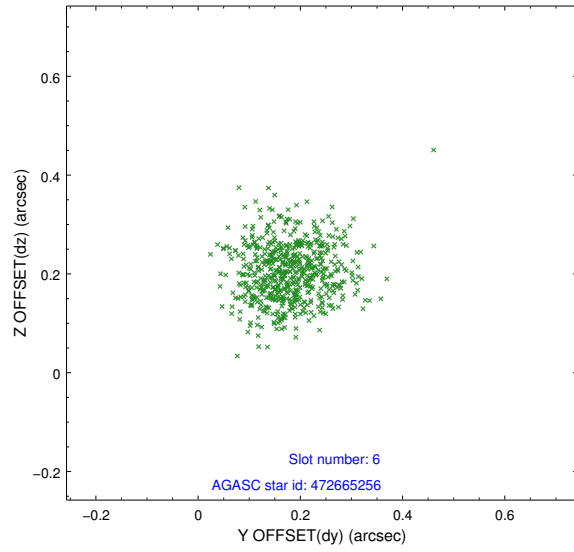
## 2.4.2 Slot 4



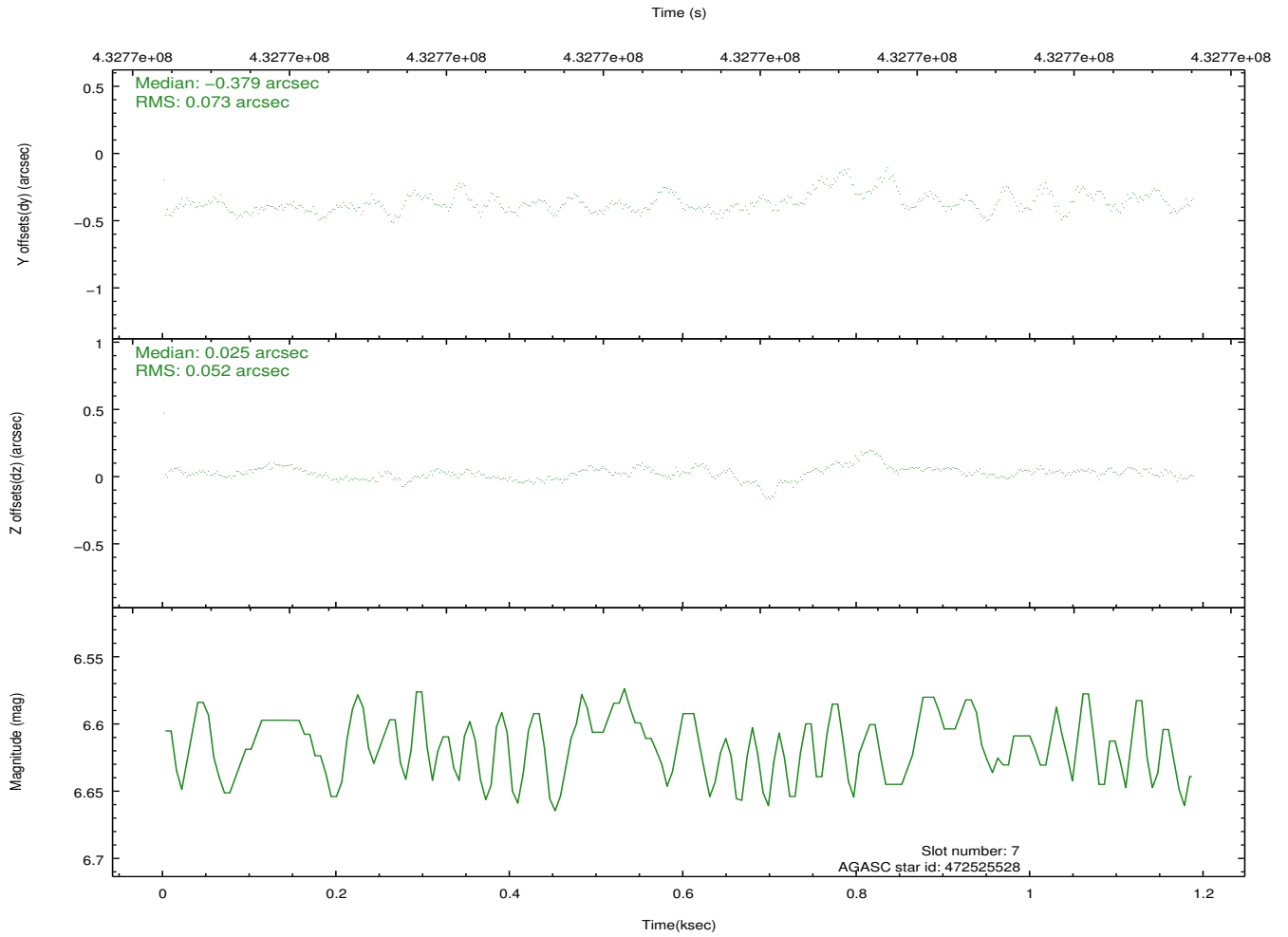
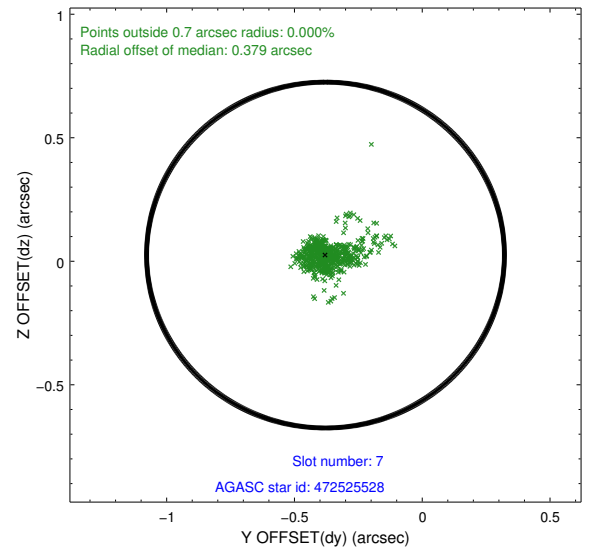
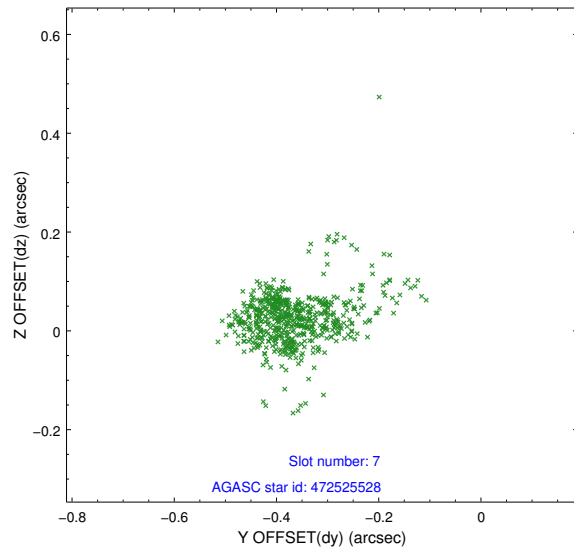
### 2.4.3 Slot 5



## 2.4.4 Slot 6

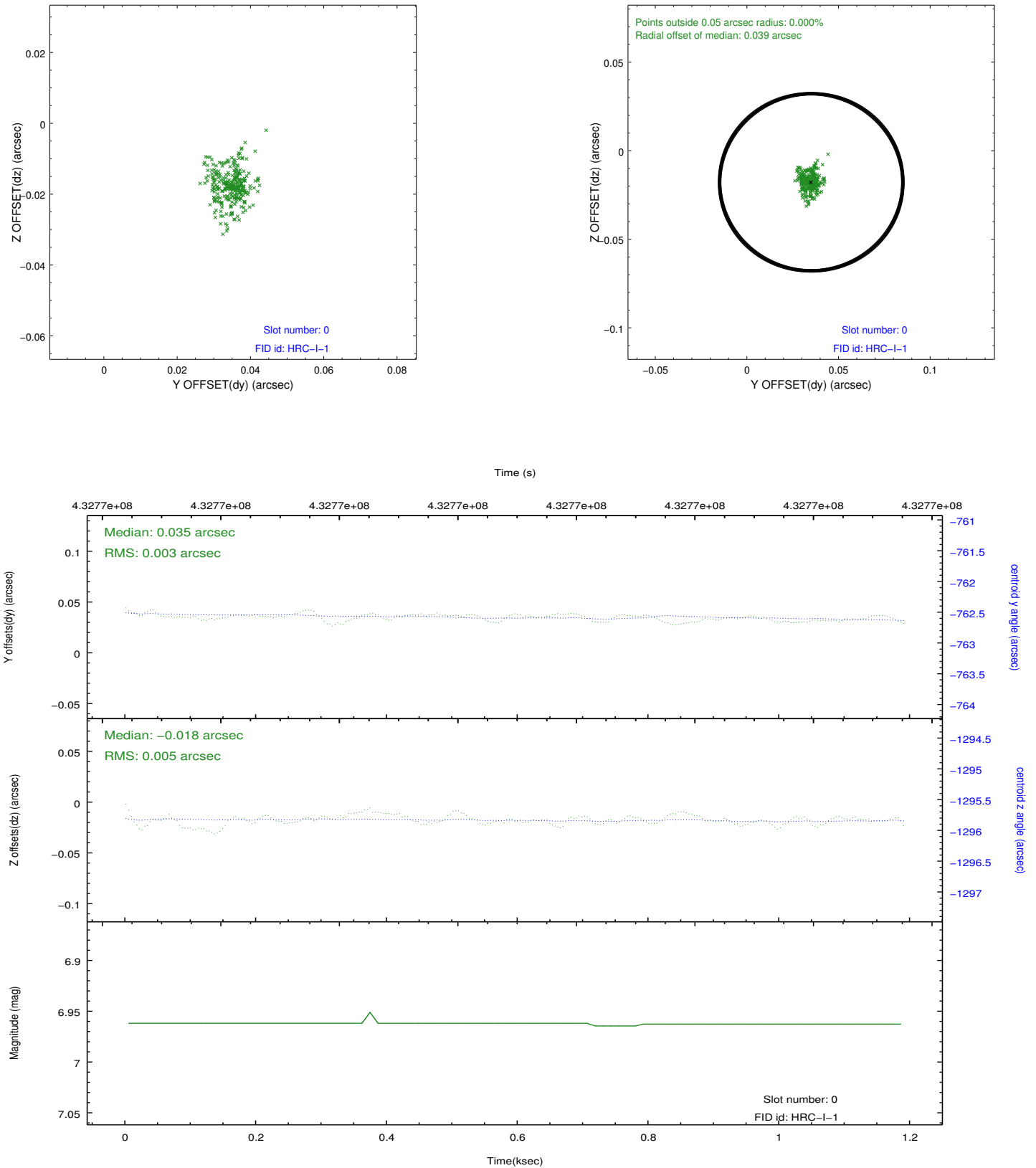


## 2.4.5 Slot 7

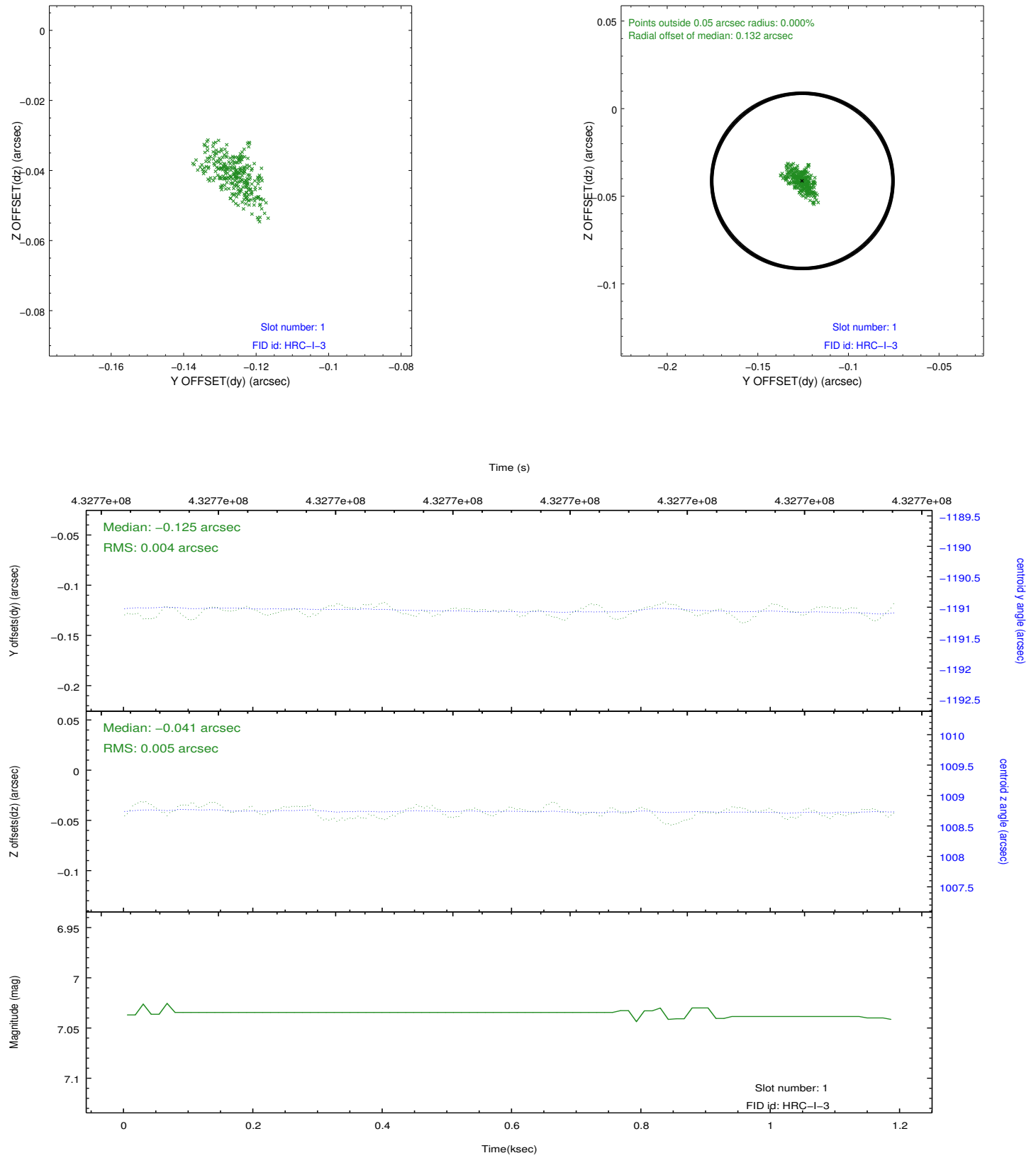


## 2.5 FID Slots

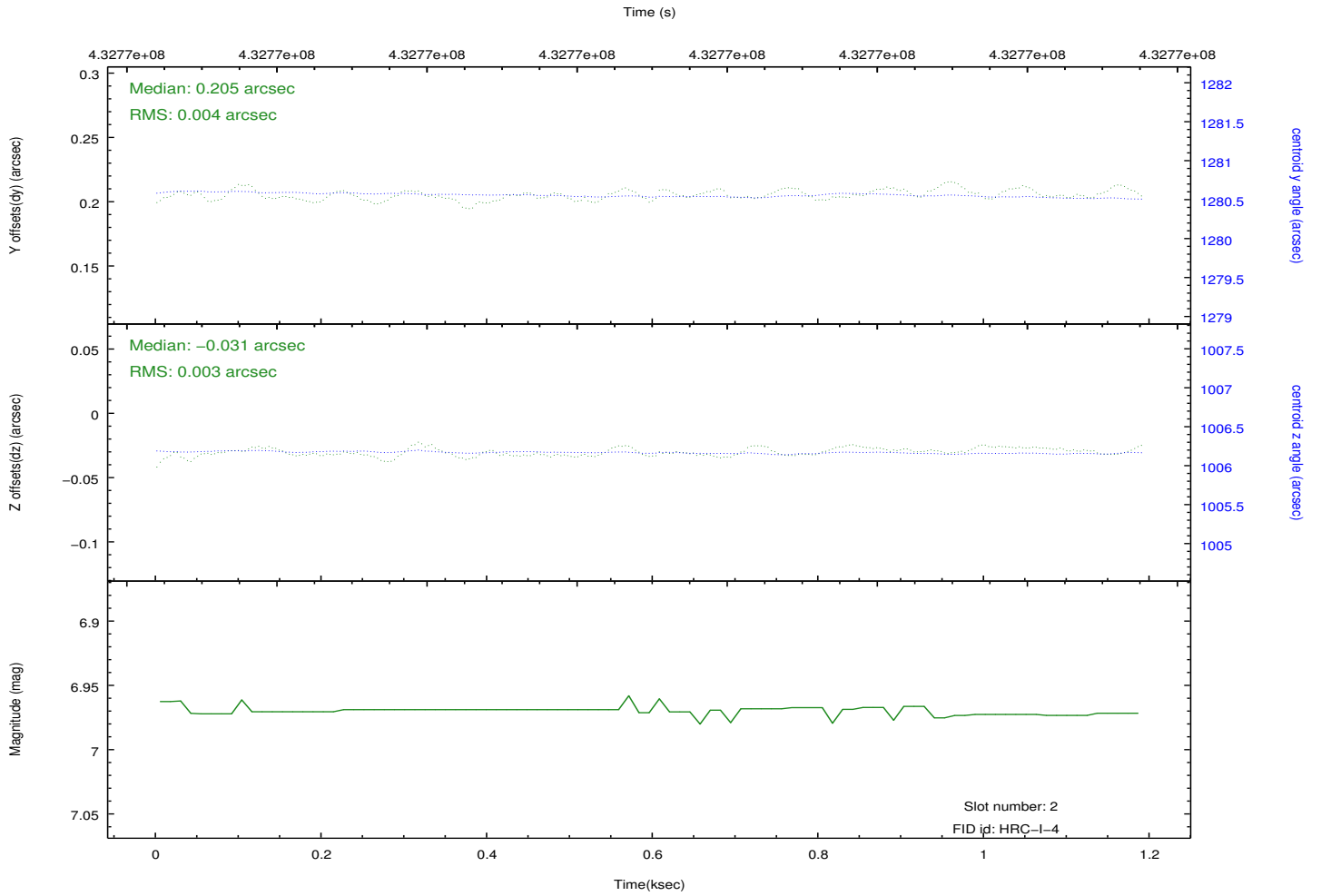
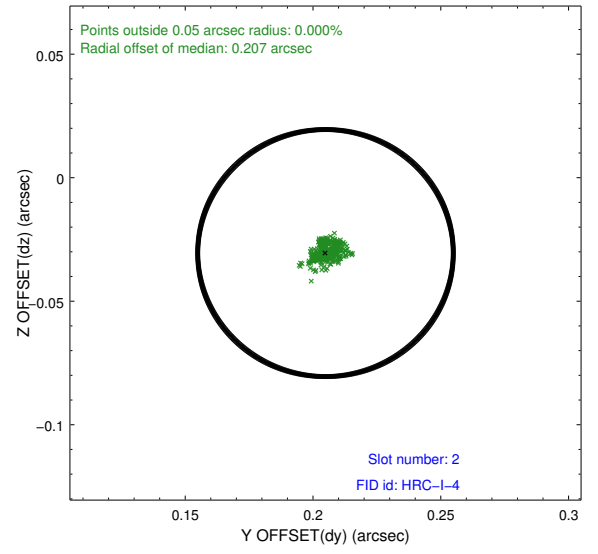
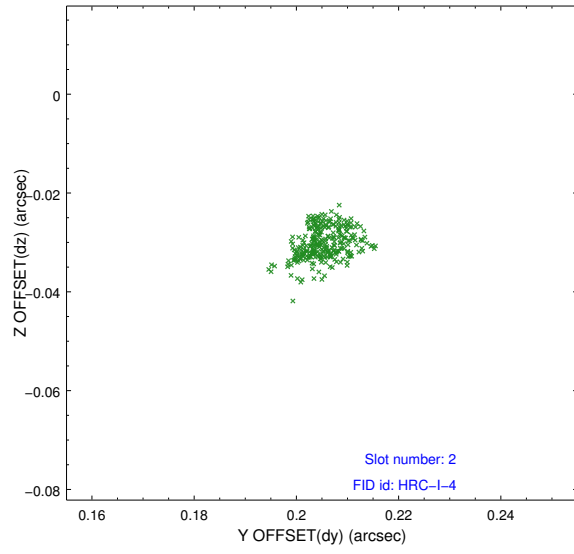
### 2.5.1 Slot 0



## 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)	2012.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1882313122749

### A.2 Comments