

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11911 - L2 Version 2  
Chandra X-Ray Center

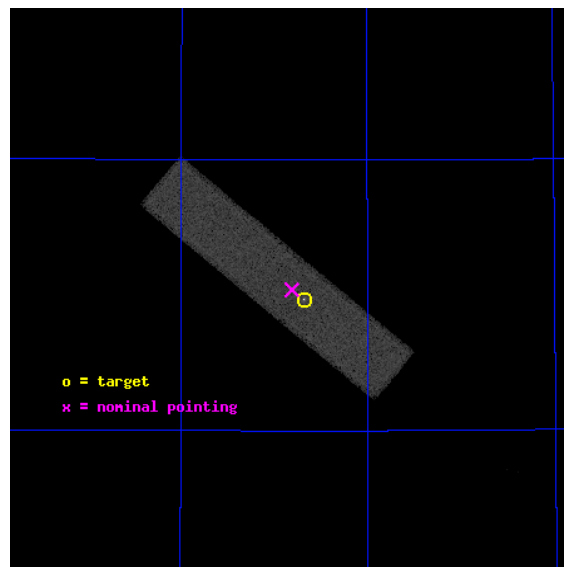
L2 Processing Date : Jul 3 2012

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# 1 Front

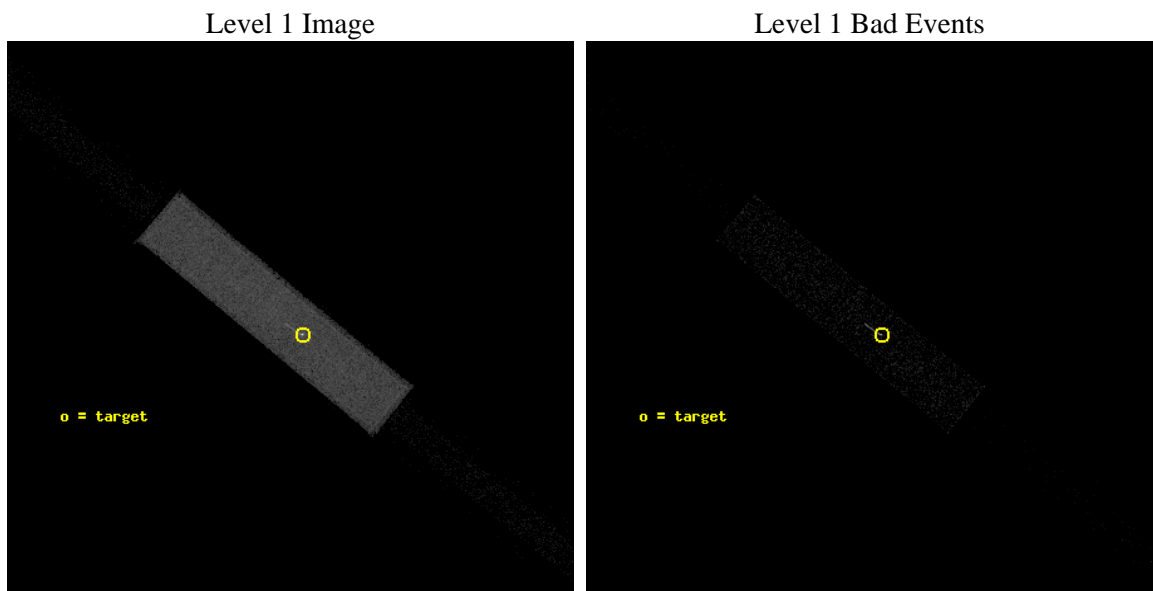
seq_num	290900	Sequence number
obs_id	11911	Observation id
title	AO-11 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.20253430962	Nominal RA [deg]
dec_nom	45.760380035007	Nominal Dec [deg]
roll_nom	219.45227916775	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1153.3813092113	[s]
livetime	1143.1789220061	Ontime multiplied by DTCOR
l2events	76543	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	1153.3813092113	[s]
caldsver	4.5.0	&#160	l1events	120417	Number of level 1 events
date	2012-07-03T23:55:34	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

Level 1 Events

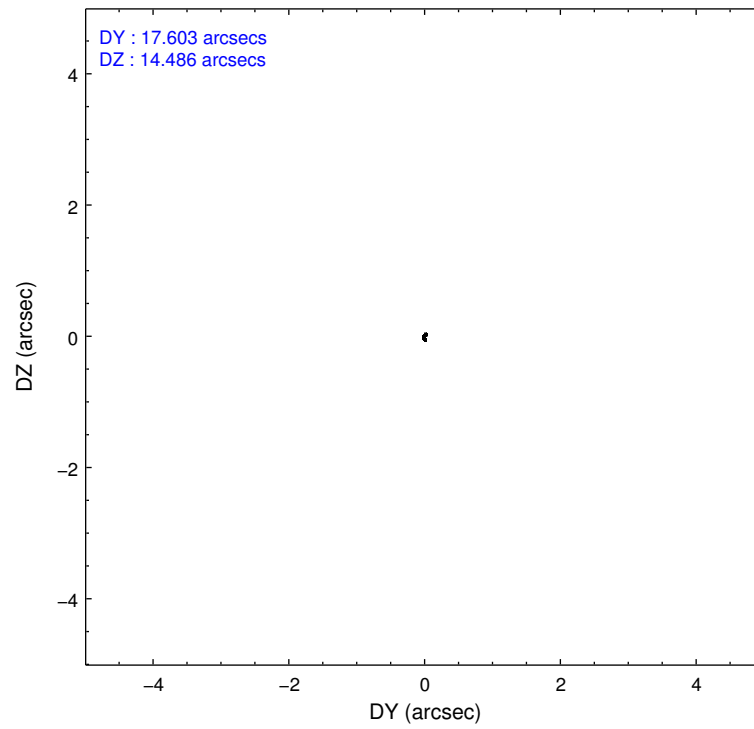
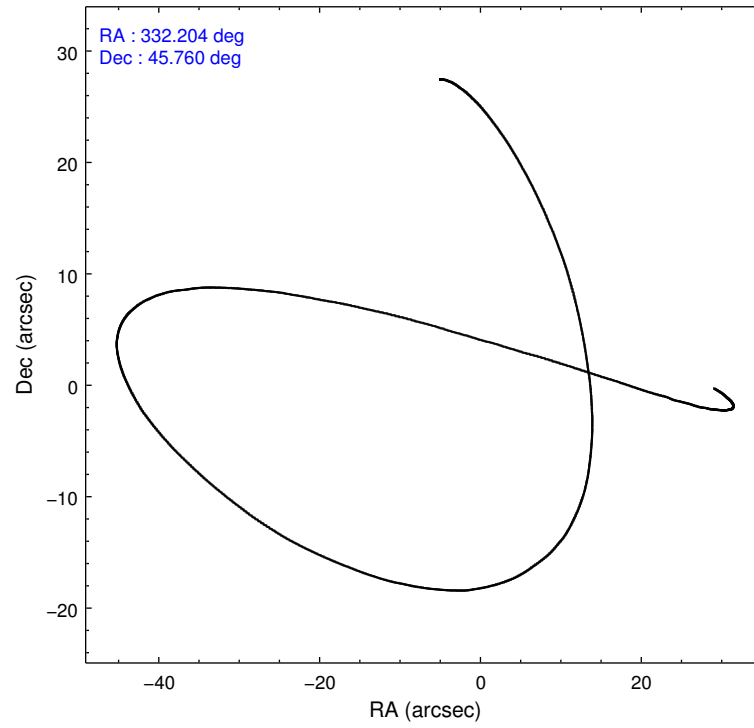
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1042	118421	954
rejected events	1042	29266	952
rejected %	100%	24%	99%

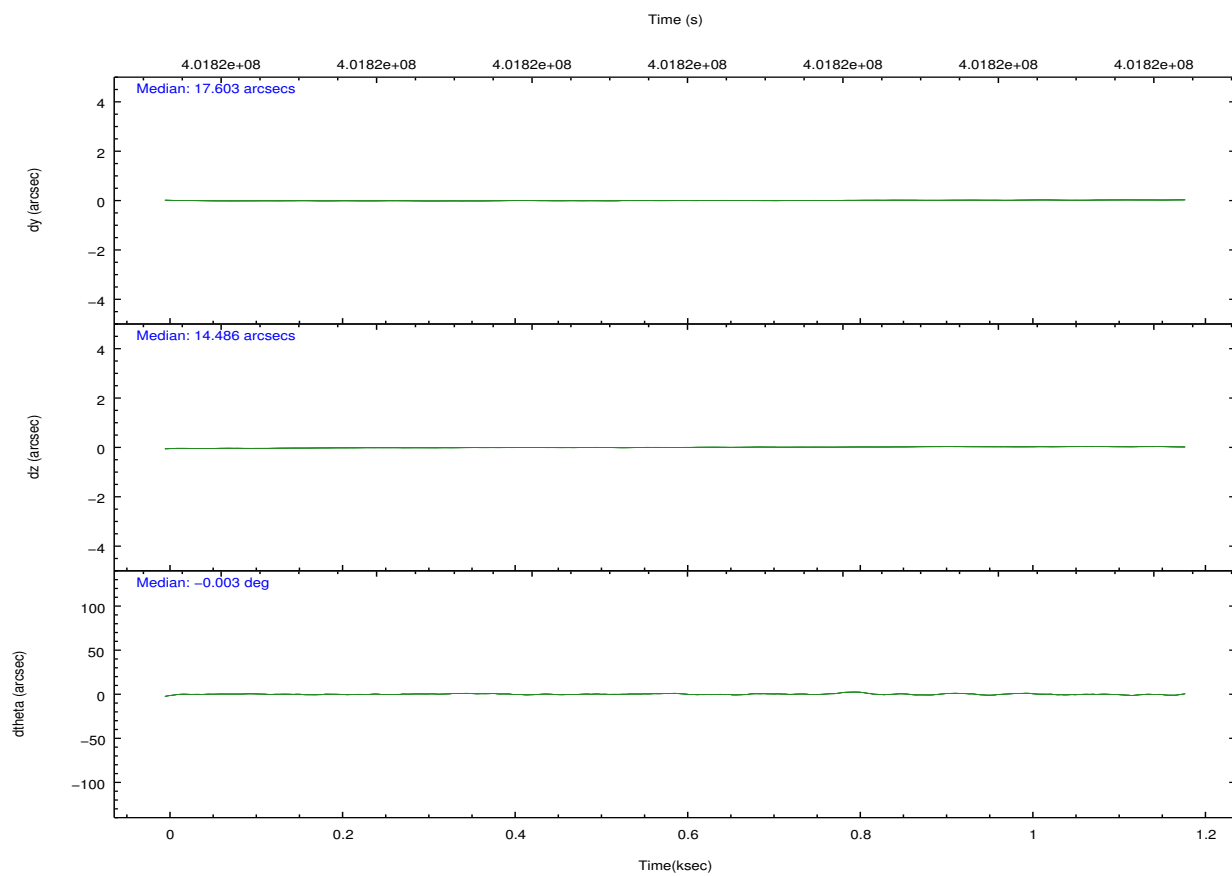
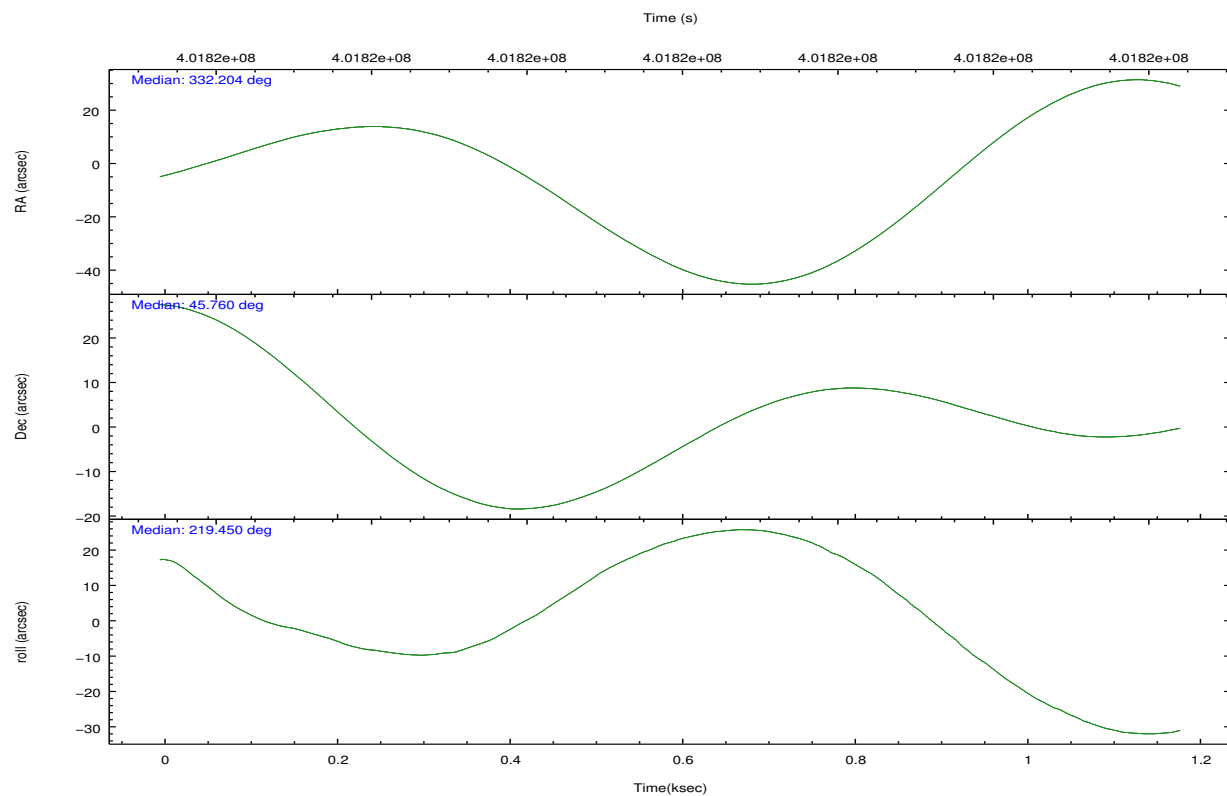
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.214093	332.2025343096215
[deg] Pointing Dec	45.787846	45.76038003500656
[deg] Pointing Roll	219.376544	219.4522791677542
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	401822769.184000	401822393.31469
Observation start date	2010-09-25T17:25:03	2010-09-25T17:19:53
[s] Observation end time (MET)	401823769.184000	401823903.13977
Observation end date	2010-09-25T17:41:43	2010-09-25T17:45:03

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

## 2.3 Aspect





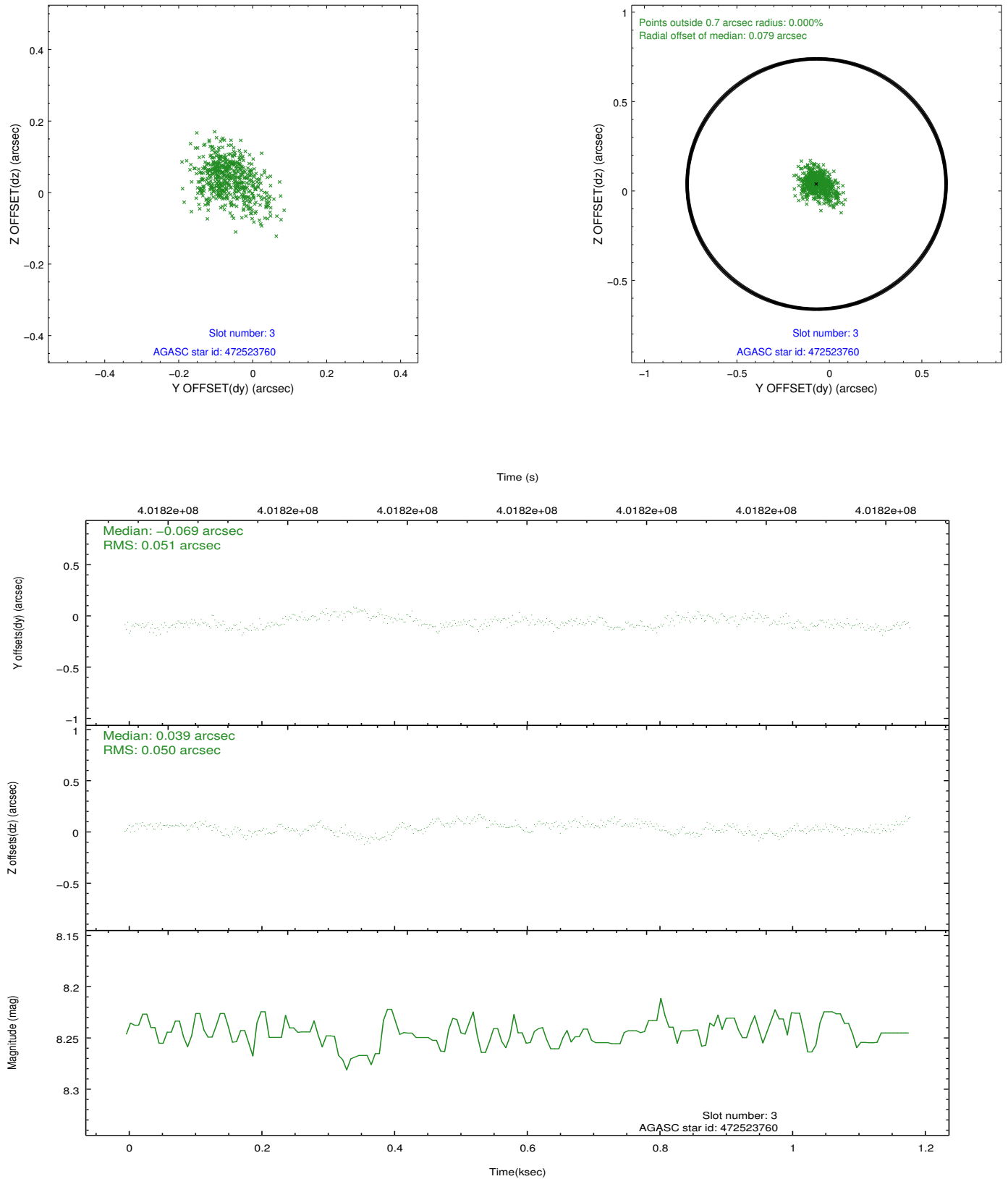
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	289	0.048	-0.210	0.008	0.014	0.000000	0.000000	-1172.11	-463.38
1	FID	HRC-S-2	6.98	289	0.268	-0.124	0.005	0.010	0.000000	0.000000	1223.71	-457.54
2	FID	HRC-S-3	7.01	289	0.074	0.032	0.007	0.012	0.000000	0.000000	-1170.56	564.80
3	GUIDE	472523760	8.25	578	-0.069	0.039	0.074	0.131	331.645363	45.403260	1988.31	152.90
4	GUIDE	472533912	9.16	578	0.152	0.148	0.123	0.206	331.791136	46.368695	-510.61	-2286.18
5	GUIDE	472651904	6.10	578	-0.182	-0.301	0.085	0.135	332.170077	45.742257	190.55	50.19
6	GUIDE	472655152	9.43	574	0.004	-0.089	0.160	0.243	332.504239	45.862991	-732.43	250.00
7	GUIDE	472665256	9.03	576	0.087	0.180	0.082	0.140	332.808125	46.195041	-2077.03	-199.20

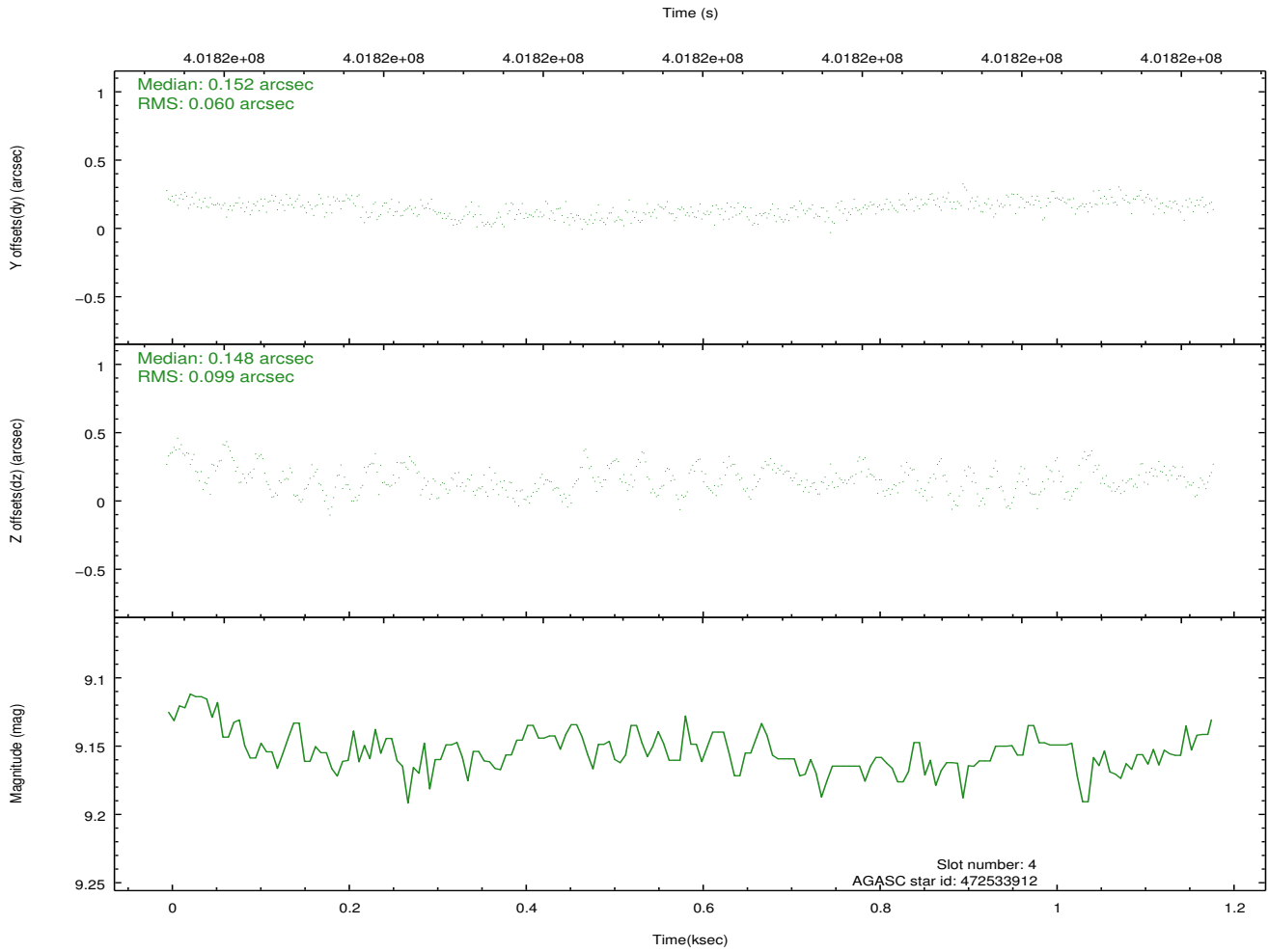
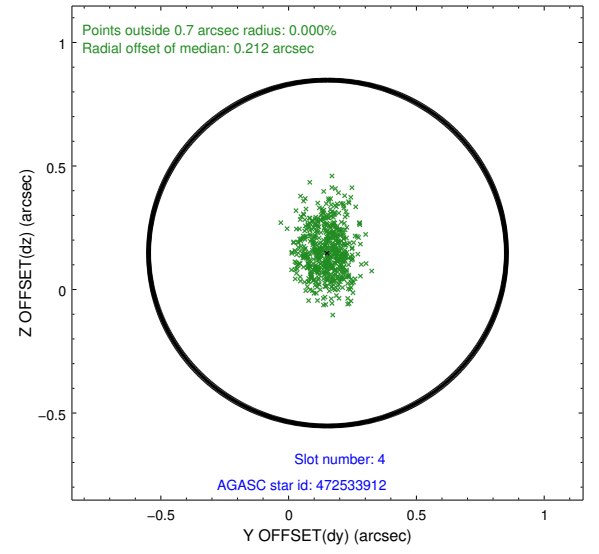
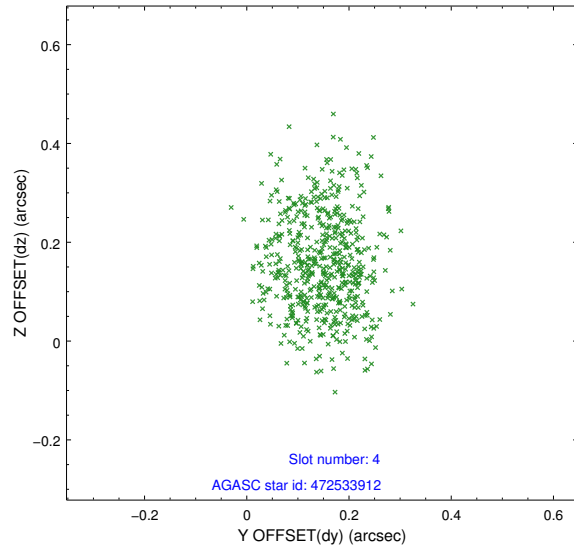


## 2.4 Star Slots

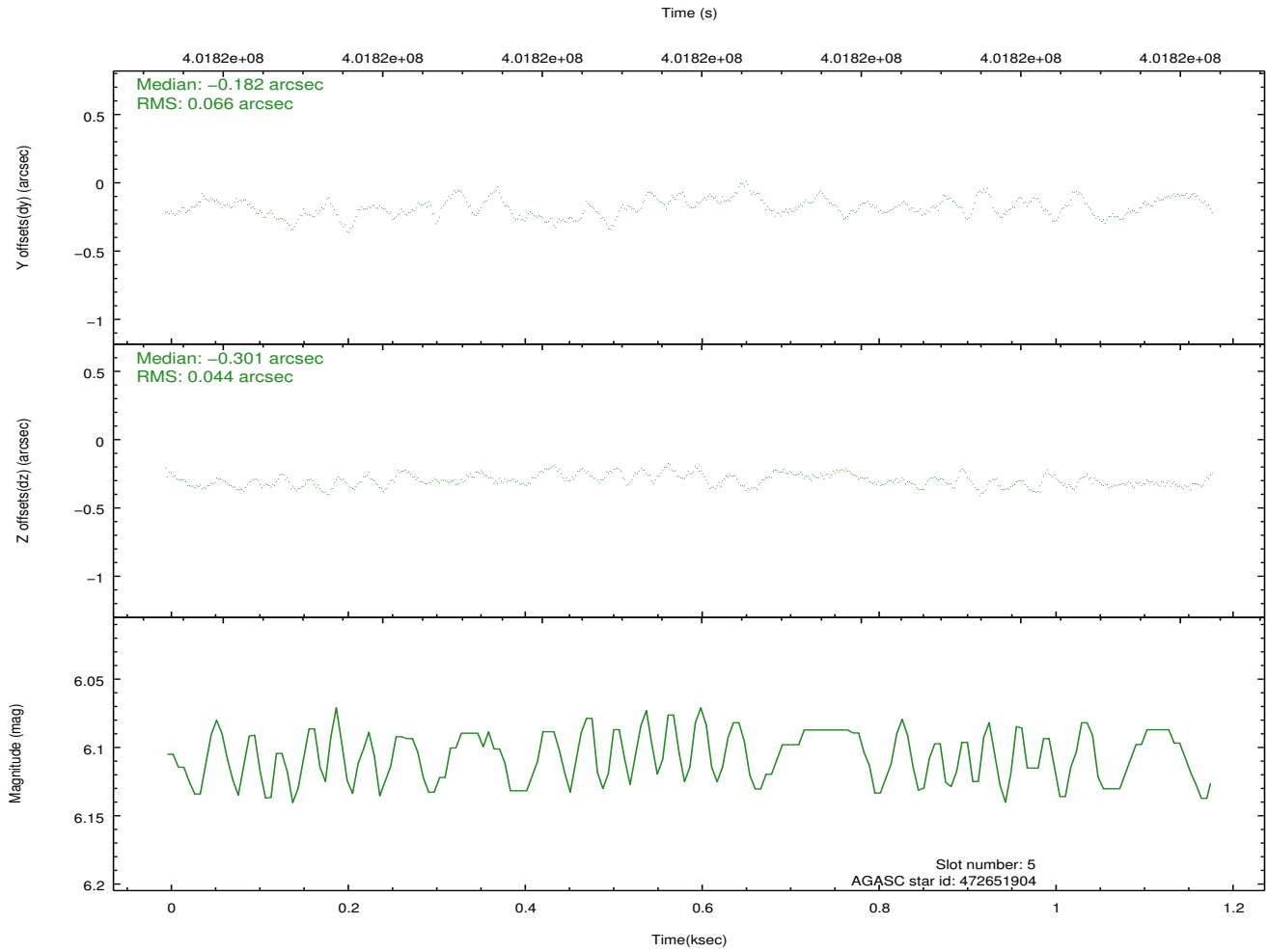
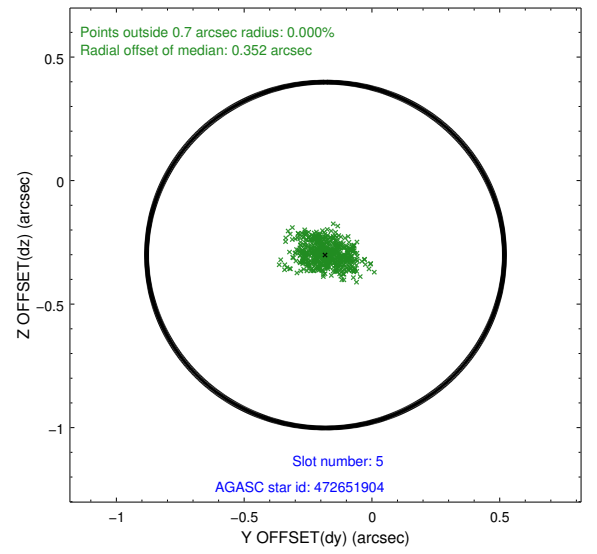
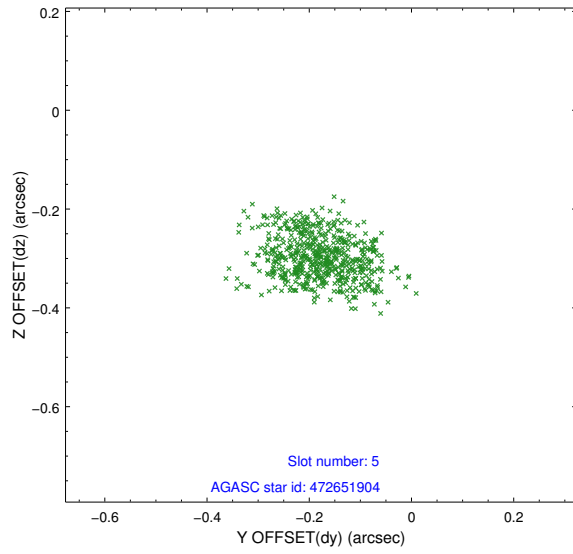
### 2.4.1 Slot 3



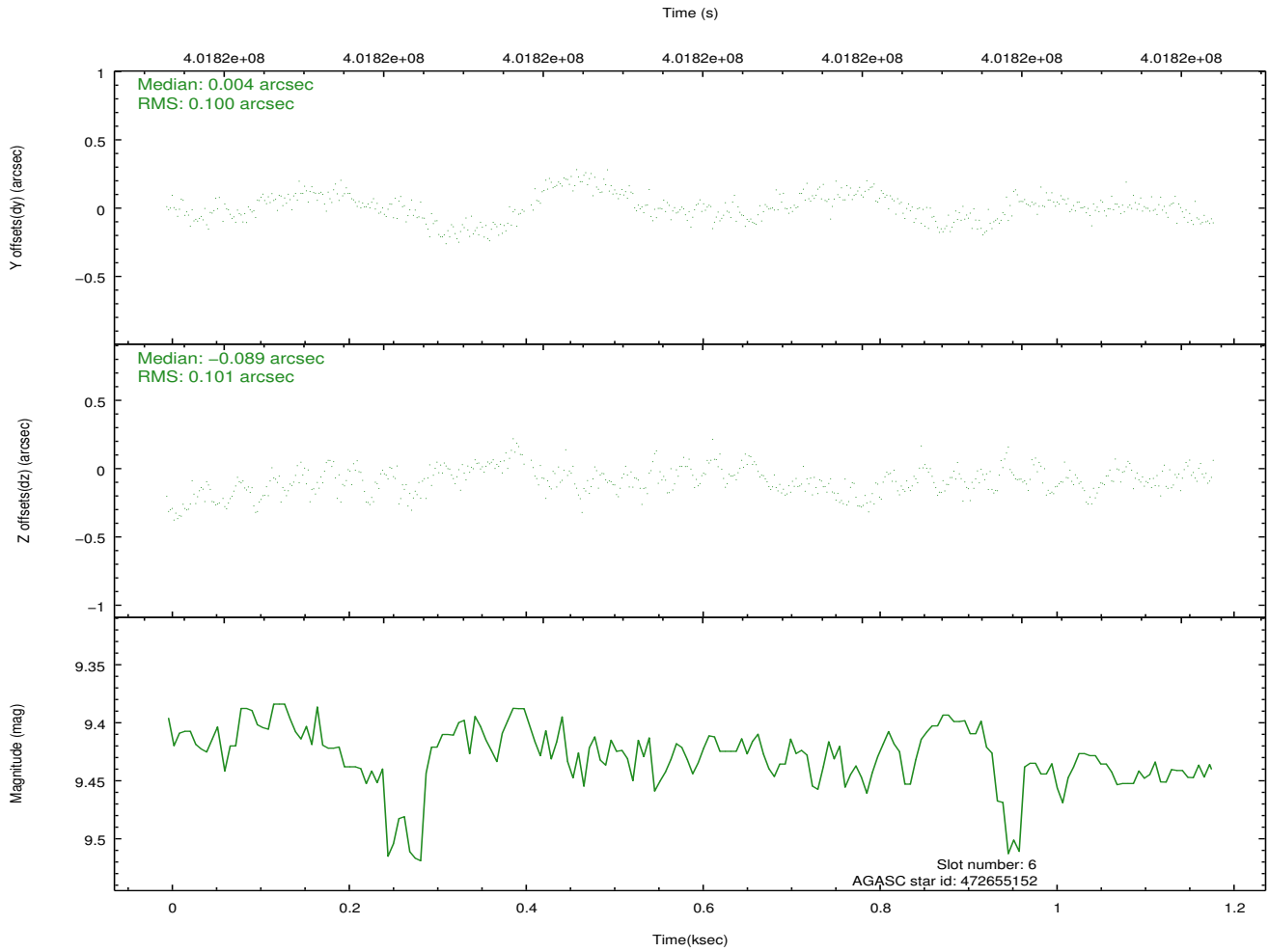
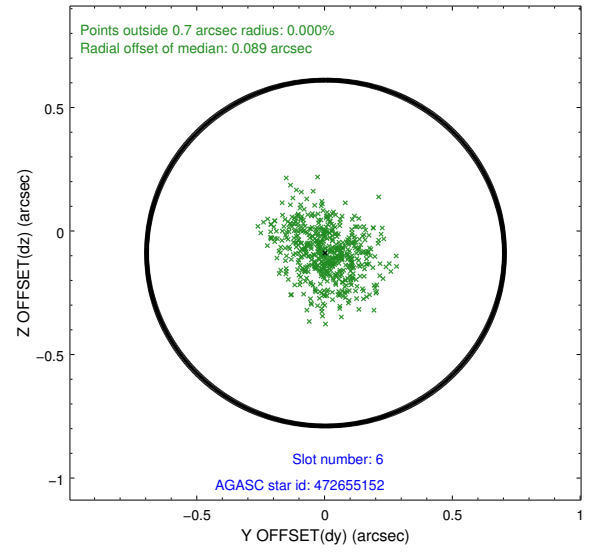
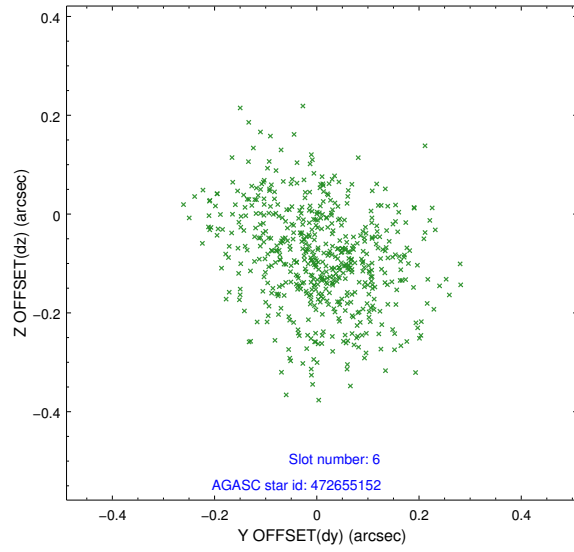
## 2.4.2 Slot 4



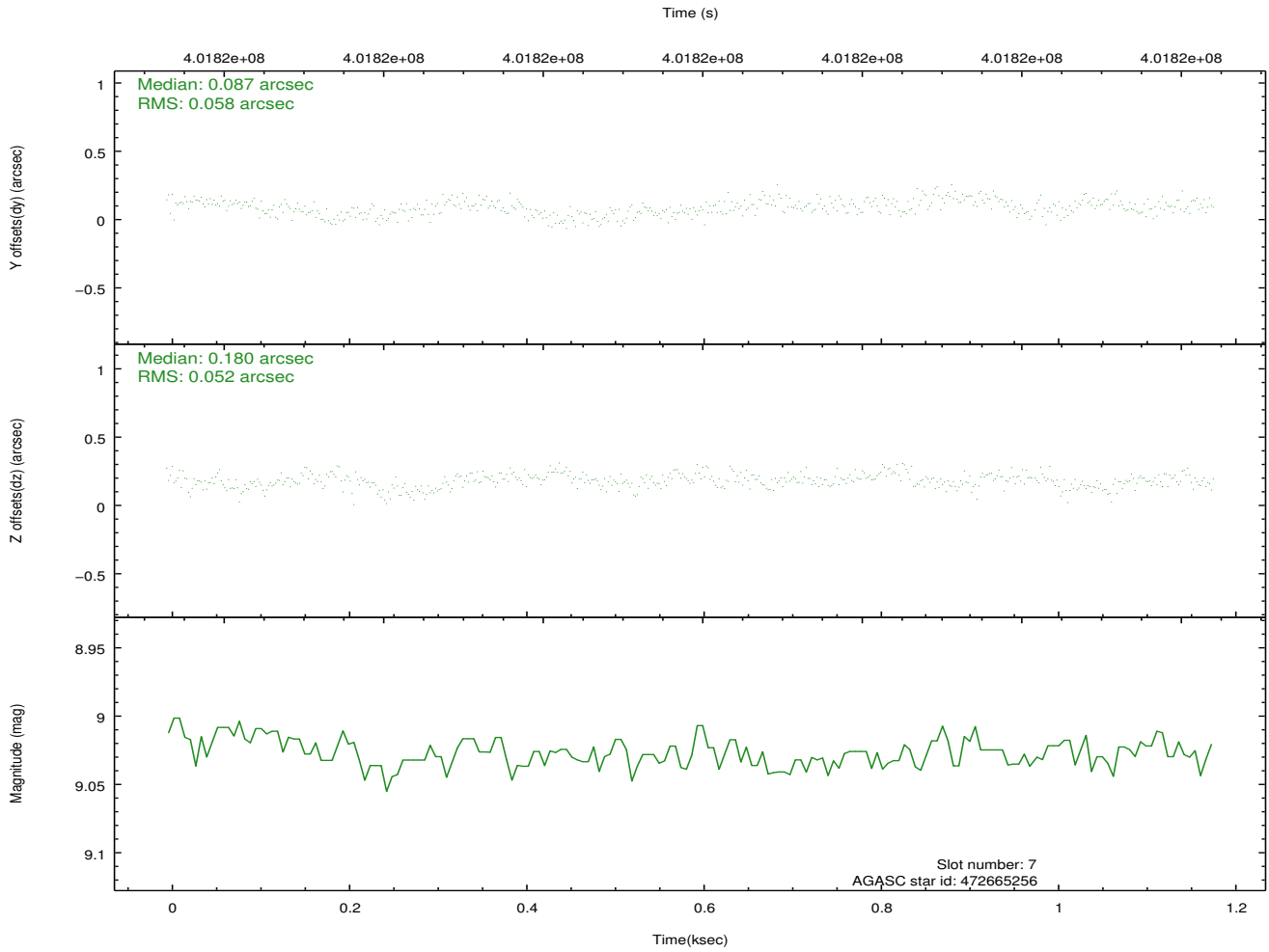
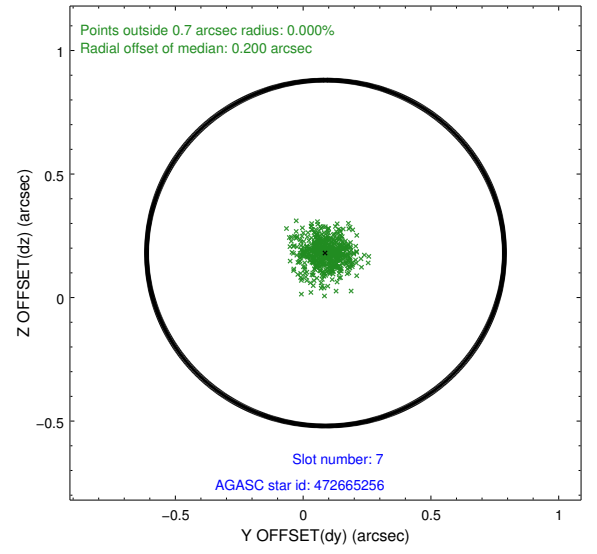
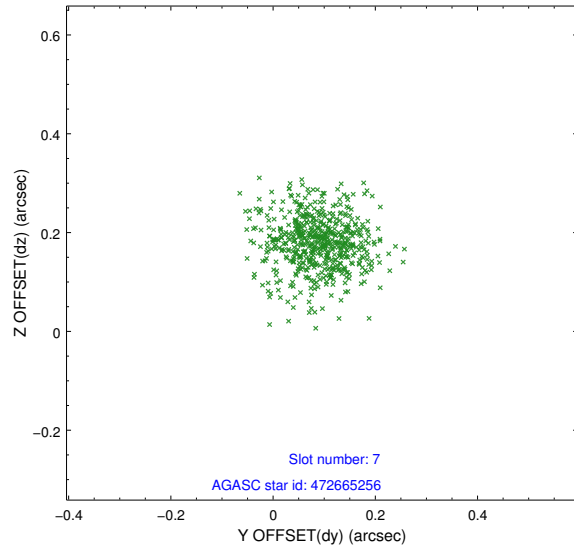
### 2.4.3 Slot 5



## 2.4.4 Slot 6

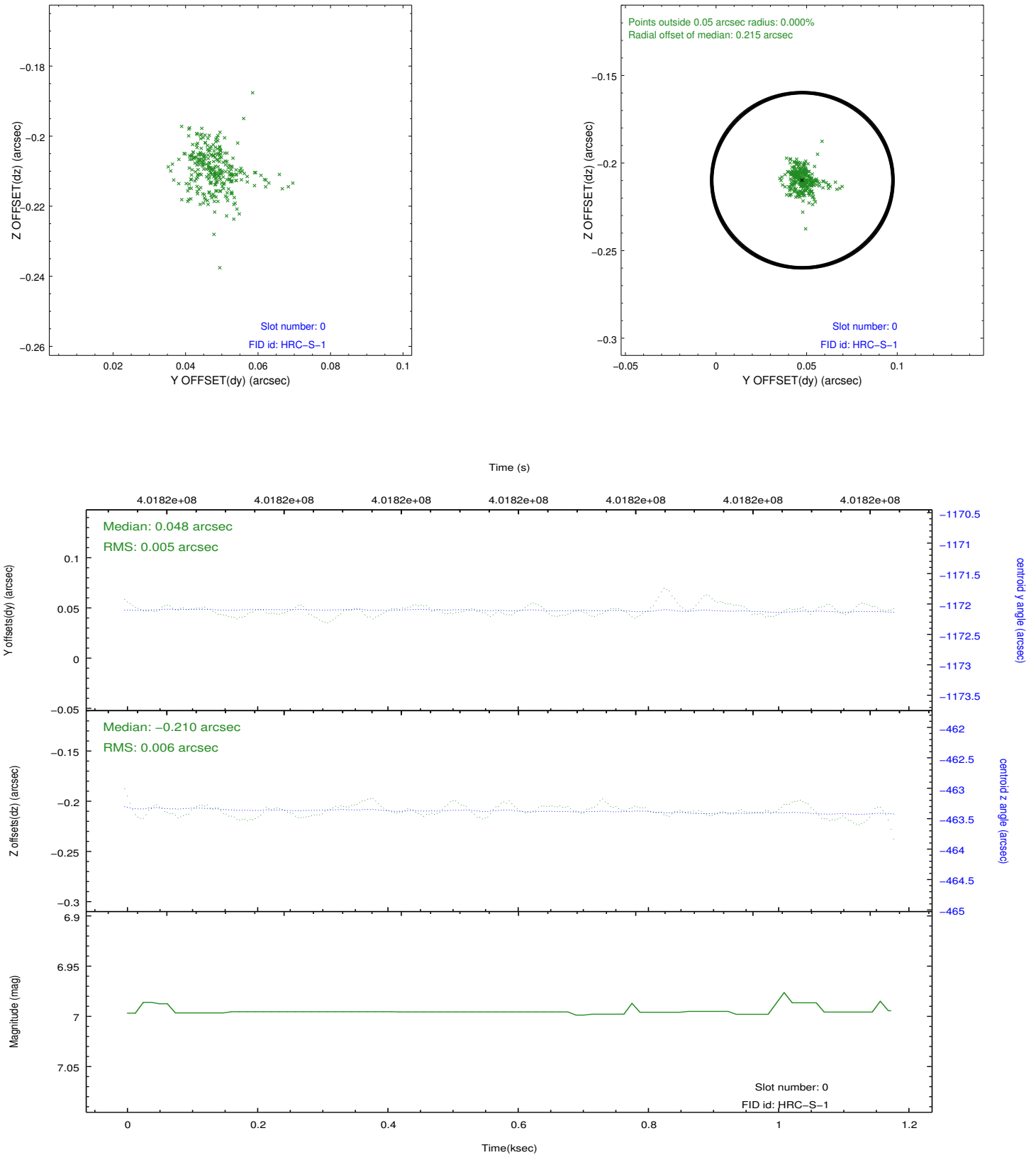


## 2.4.5 Slot 7

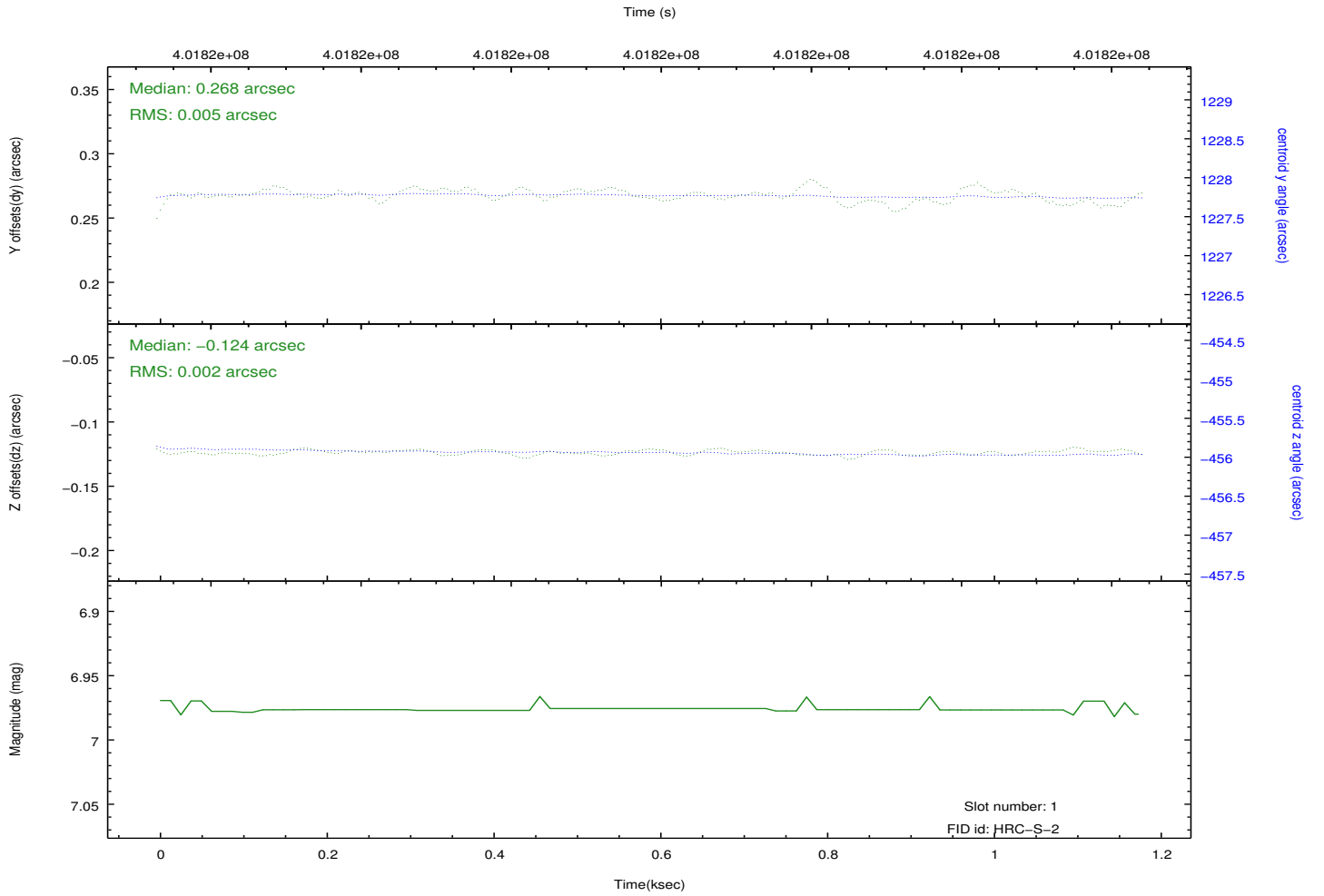
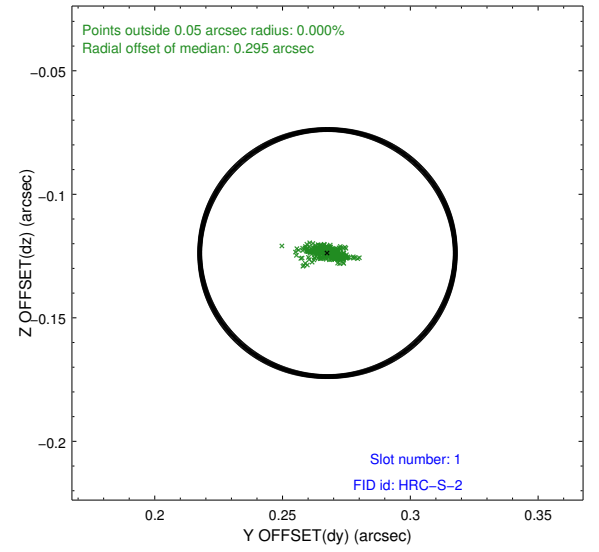
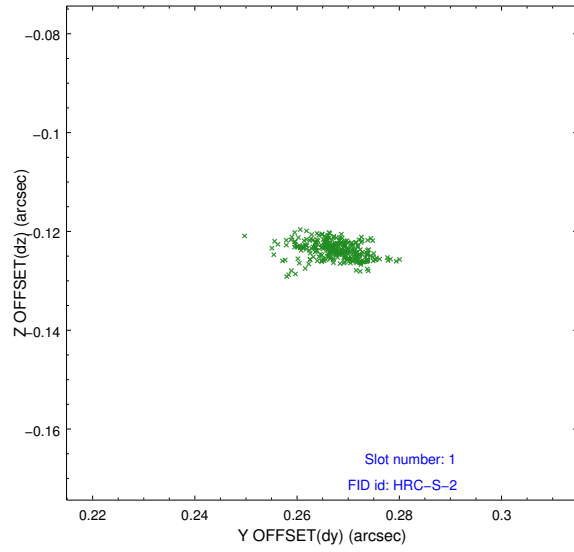


## 2.5 FID Slots

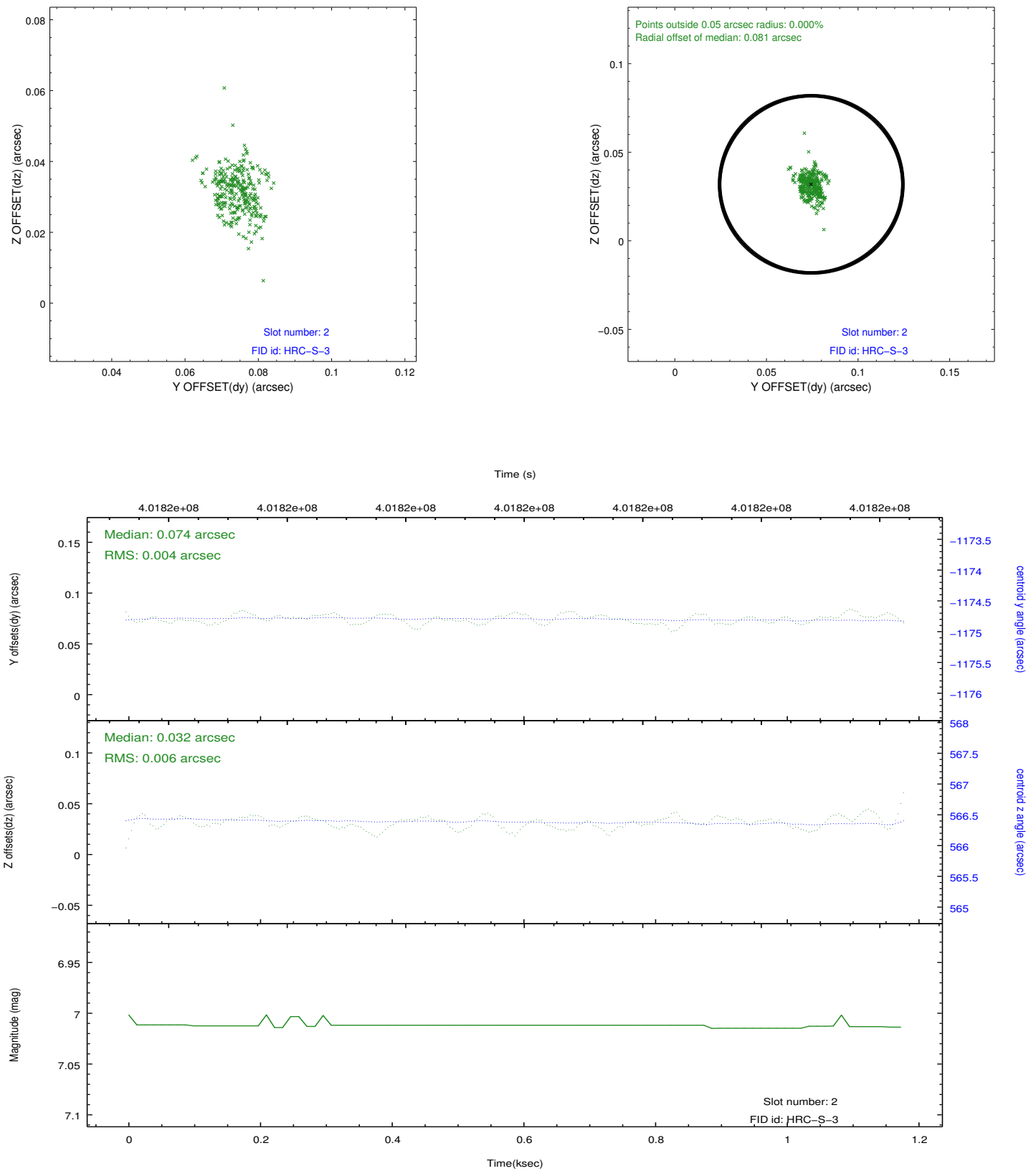
### 2.5.1 Slot 0



## 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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1533813092113

### **A.2 Comments**