

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11922 - L2 Version 2  
Chandra X-Ray Center

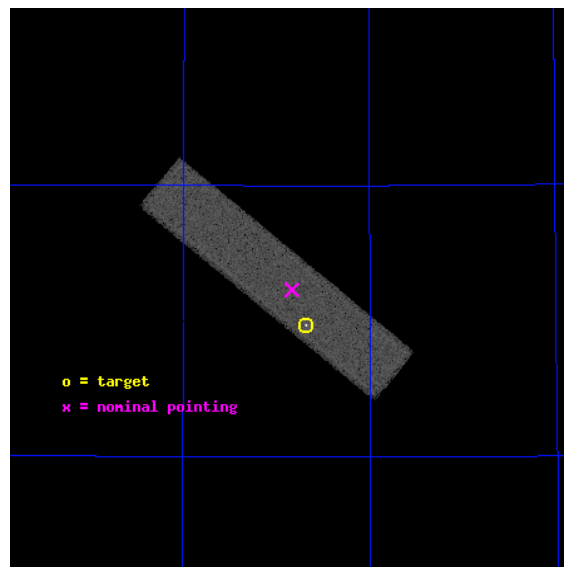
L2 Processing Date : Jul 3 2012

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# 1 Front

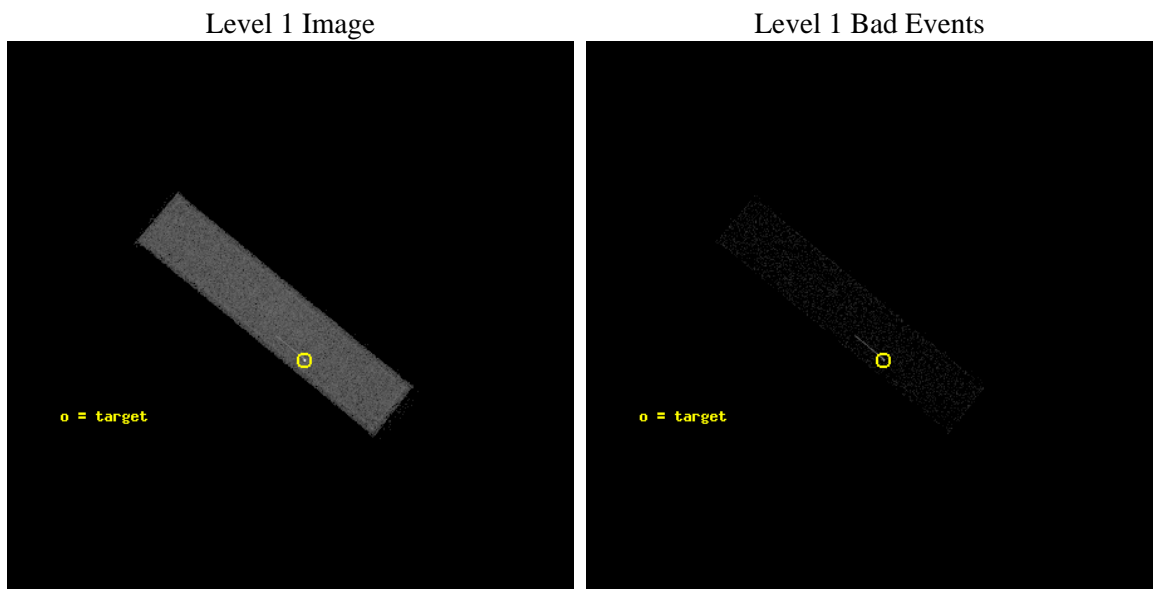
seq_num	290911	Sequence number
obs_id	11922	Observation id
title	AO-11 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.20826736451	Nominal RA [deg]
dec_nom	45.808134245374	Nominal Dec [deg]
roll_nom	219.16120420643	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1159.531309545	[s]
livetime	1149.7791040072	Ontime multiplied by DTCOR
l2events	72768	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	1159.531309545	[s]
caldsver	4.5.0	&#160	l1events	98298	Number of level 1 events
date	2012-07-03T23:51:37	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

Level 1 Events

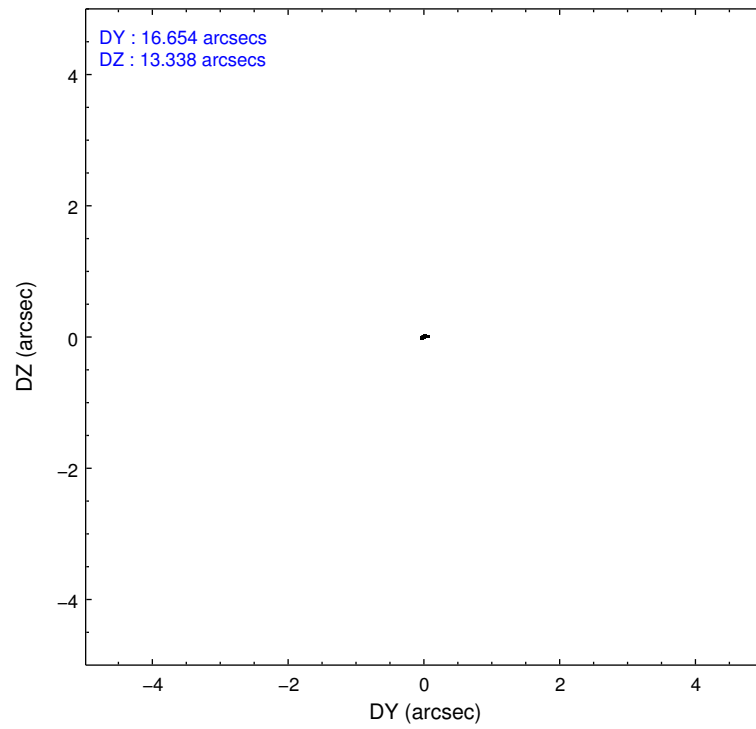
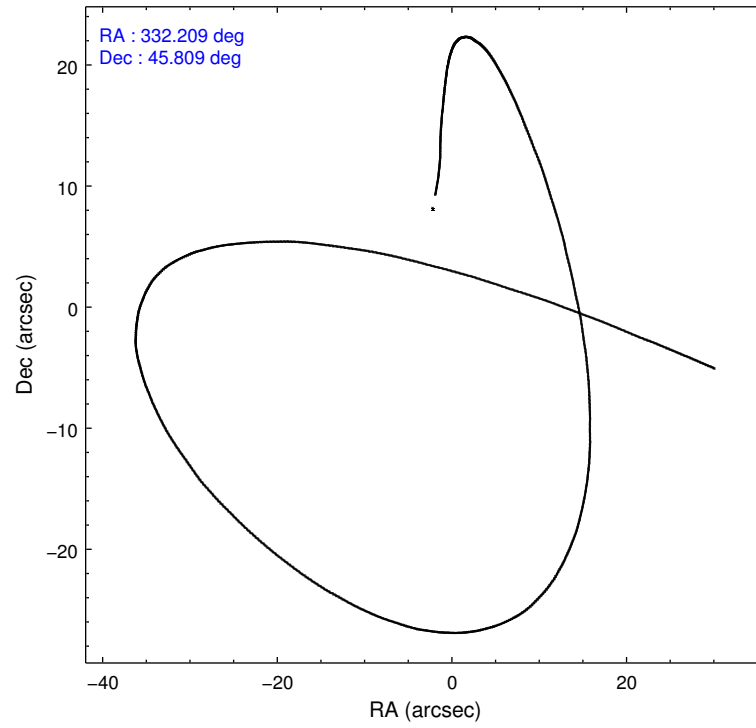
	segment 1	segment 2	segment 3
level 1 events	0	98298	0
rejected events	0	12921	0
rejected %	0%	13%	0%

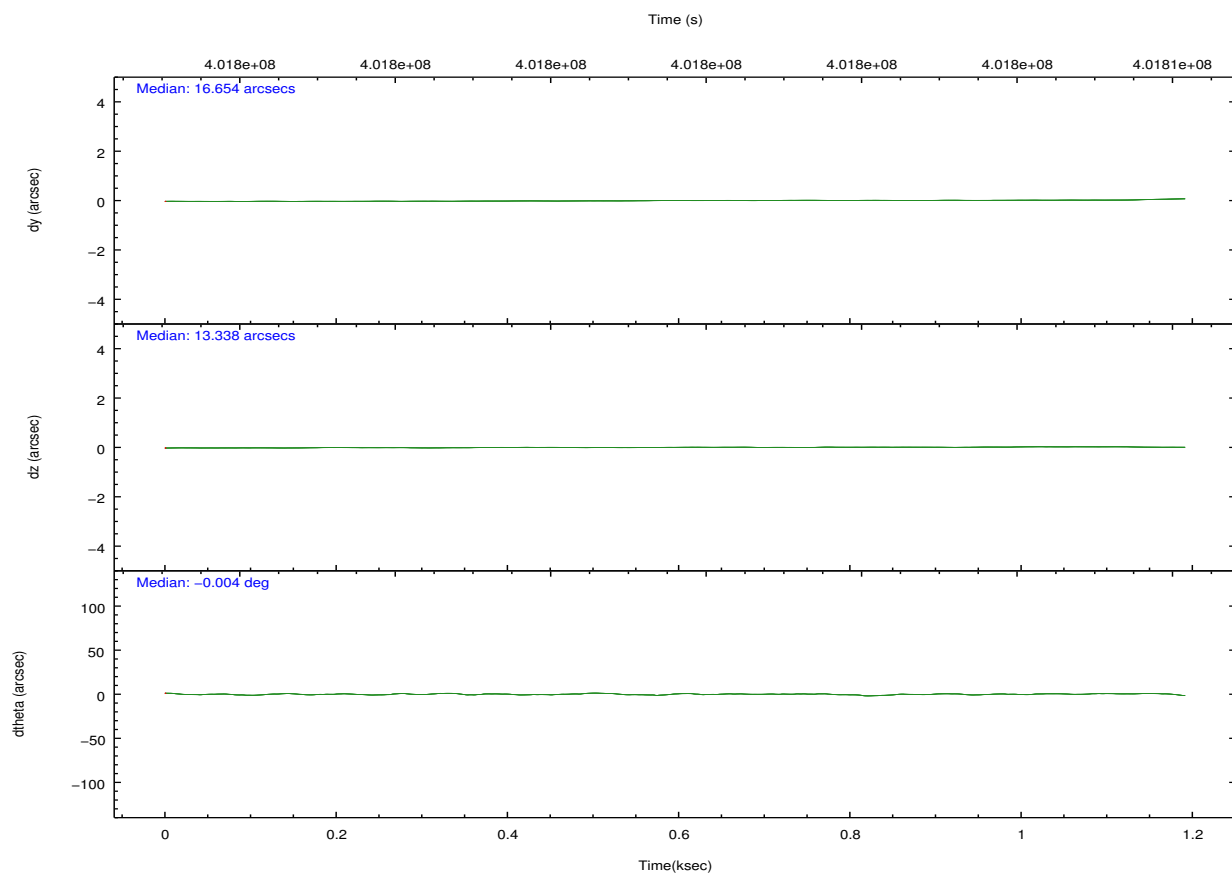
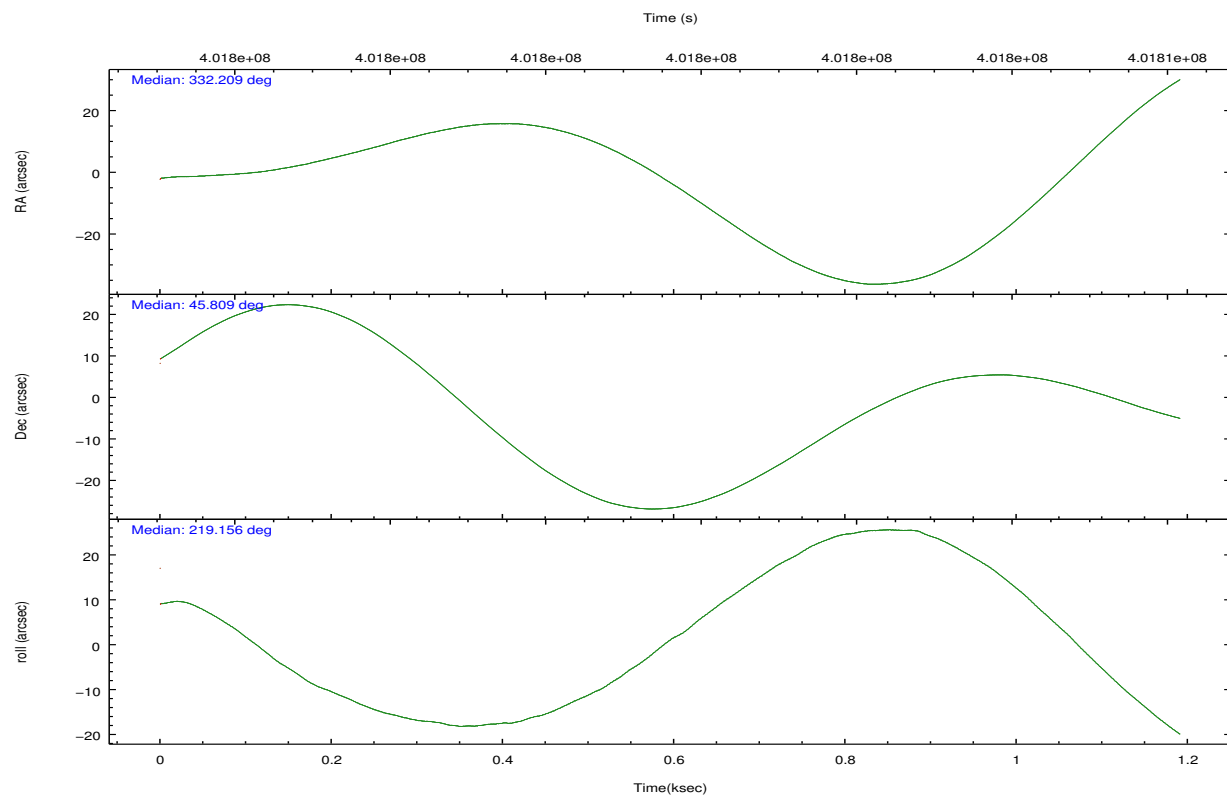
## 2.2 Compared Parameters

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	332.221388	332.208267364506
[deg] Pointing Dec	45.834571	45.80813424537399
[deg] Pointing Roll	219.084452	219.1612042064301
[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)	401804159.184000	401803780.33874
Observation start date	2010-09-25T12:14:53	2010-09-25T12:09:40
[s] Observation end time (MET)	401805159.184000	401805293.23881
Observation end date	2010-09-25T12:31:33	2010-09-25T12:34:53

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

## 2.3 Aspect





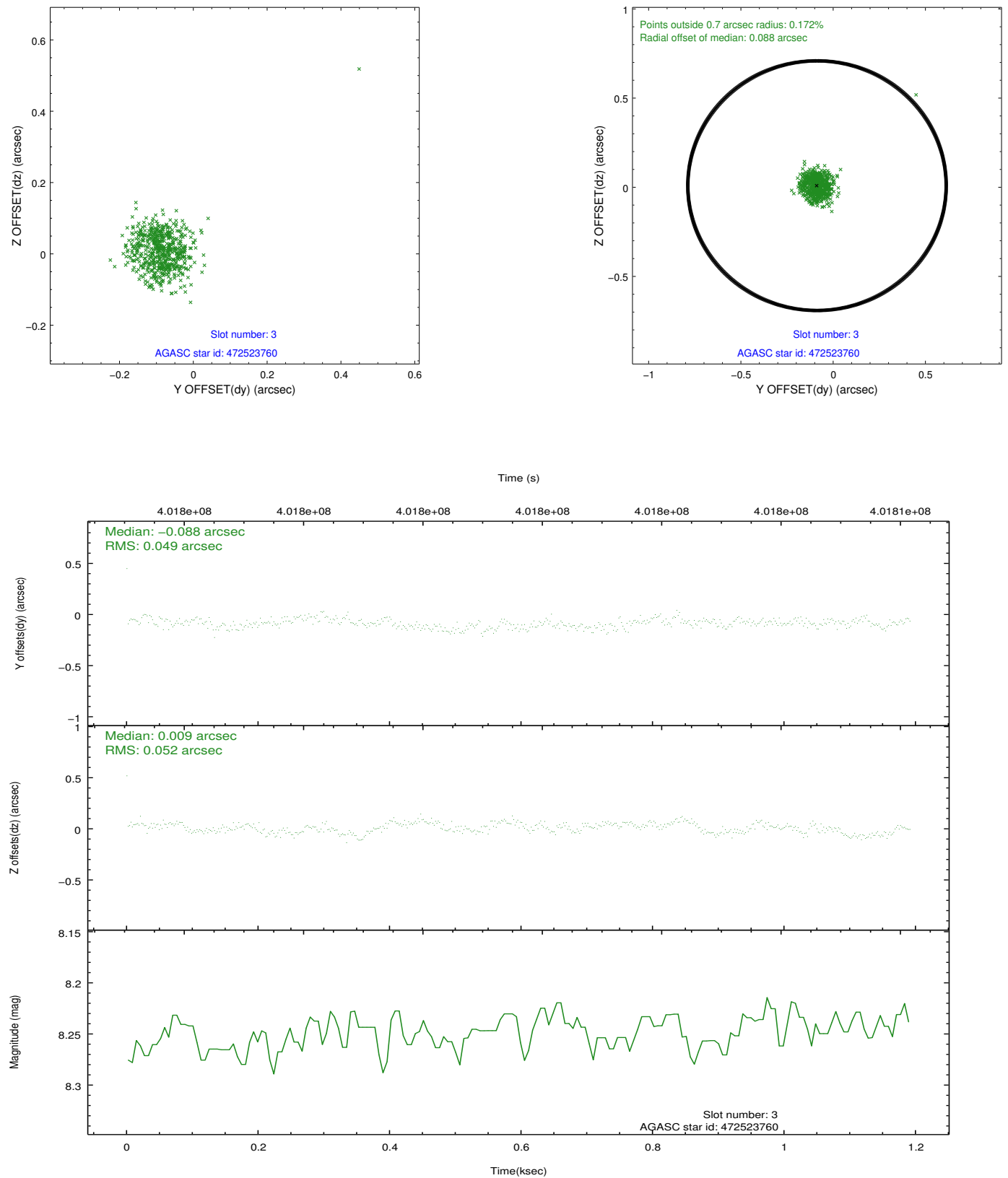
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	291	0.034	-0.139	0.006	0.011	0.000000	0.000000	-1171.13	-462.15
1	FID	HRC-S-2	6.96	291	0.285	-0.125	0.004	0.009	0.000000	0.000000	1224.75	-456.32
2	FID	HRC-S-3	7.00	291	0.071	-0.038	0.006	0.010	0.000000	0.000000	-1169.62	565.90
3	GUIDE	472523760	8.25	582	-0.088	0.009	0.068	0.104	331.645363	45.403260	2107.34	286.80
4	GUIDE	472533912	9.15	582	0.158	0.138	0.105	0.181	331.791136	46.368695	-379.00	-2164.65
5	GUIDE	472651904	6.35	582	-0.211	-0.250	0.085	0.139	332.170077	45.742257	310.33	175.33
6	GUIDE	472655152	9.42	582	0.039	-0.076	0.132	0.197	332.504239	45.862991	-613.62	370.35
7	GUIDE	472665256	9.02	581	0.105	0.177	0.094	0.158	332.808125	46.195041	-1955.88	-85.61

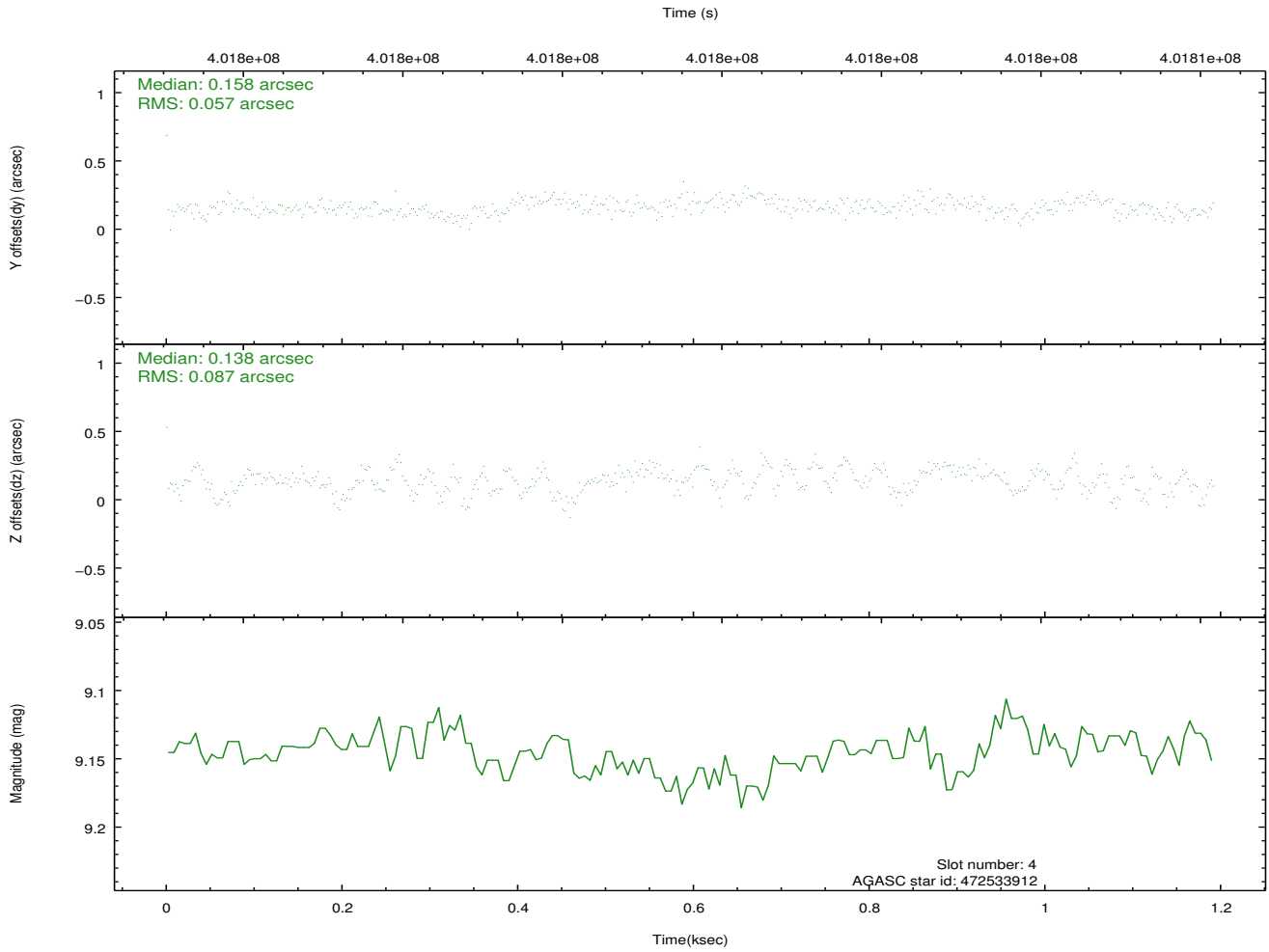
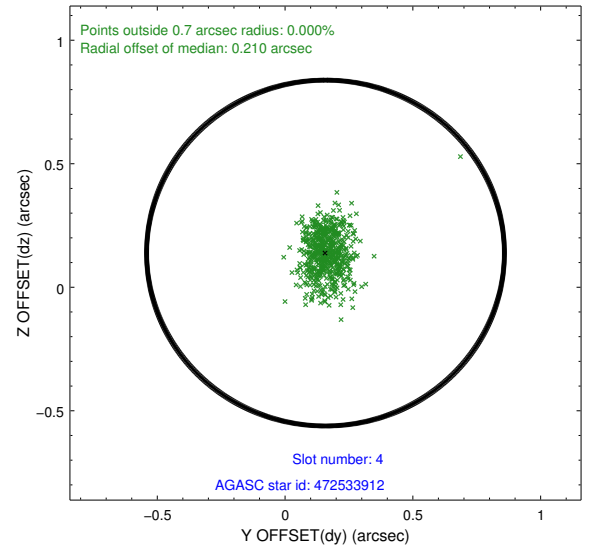
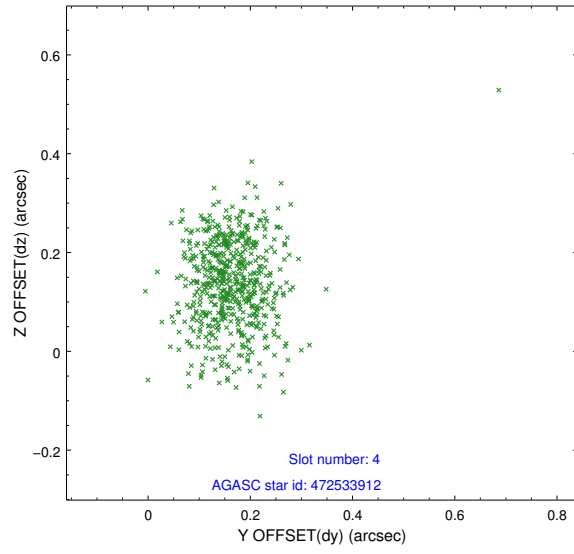


## 2.4 Star Slots

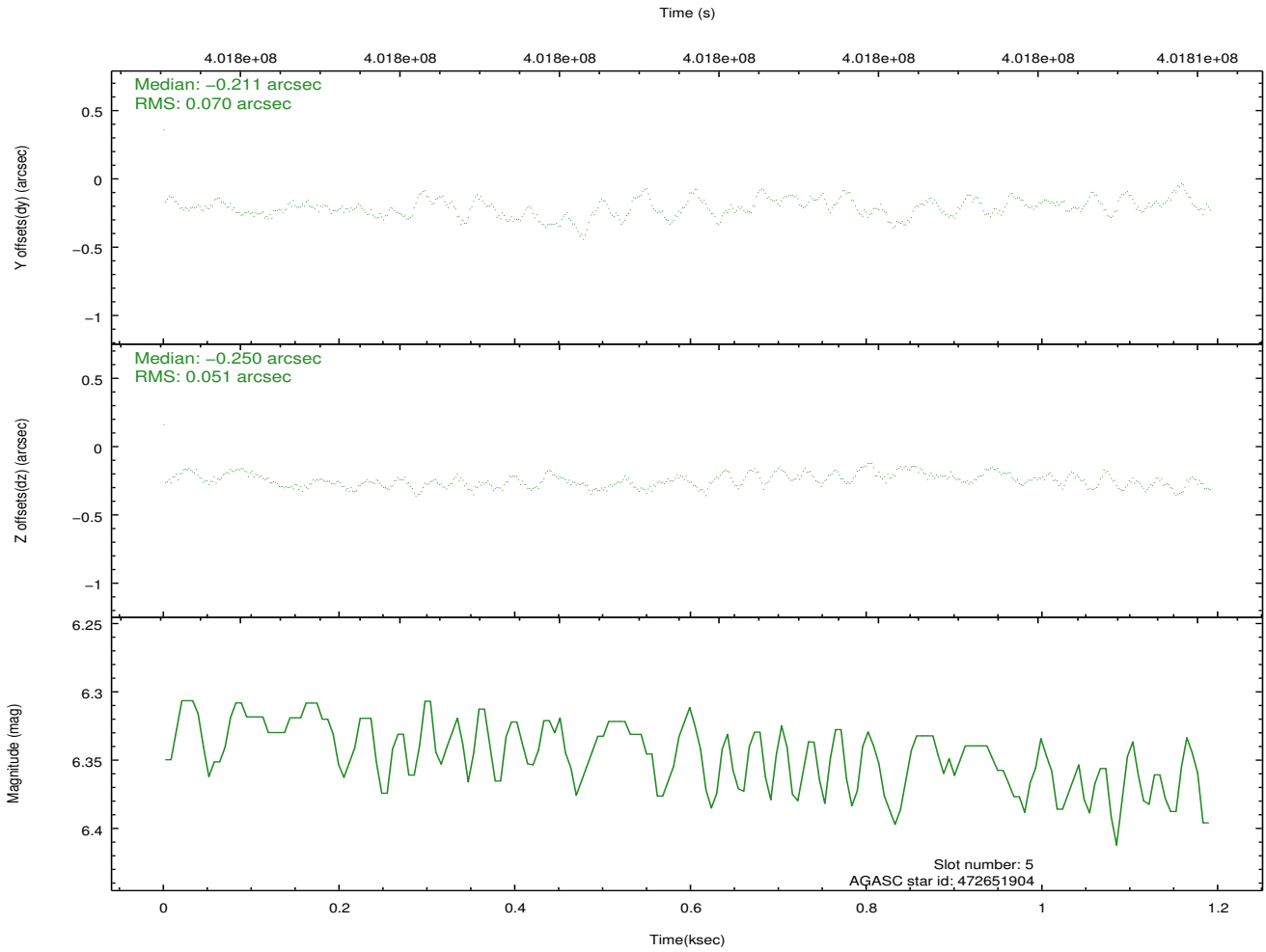
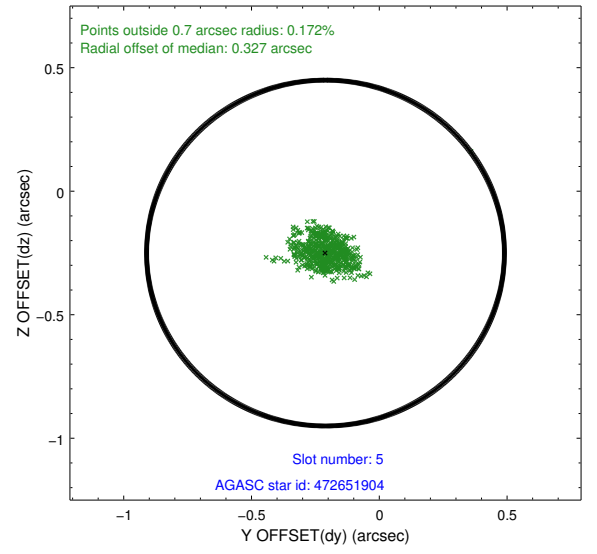
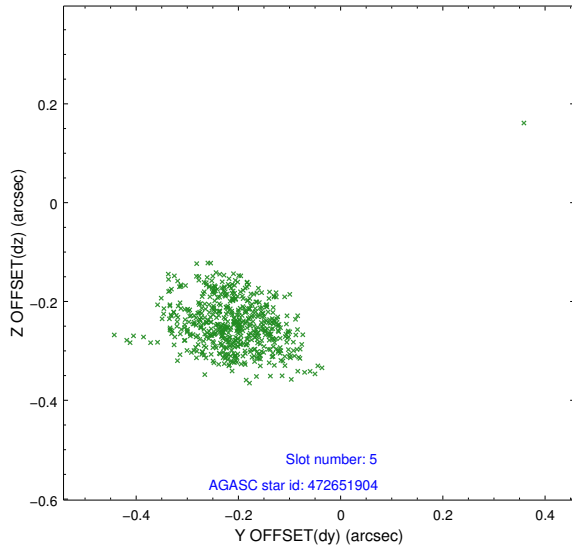
### 2.4.1 Slot 3



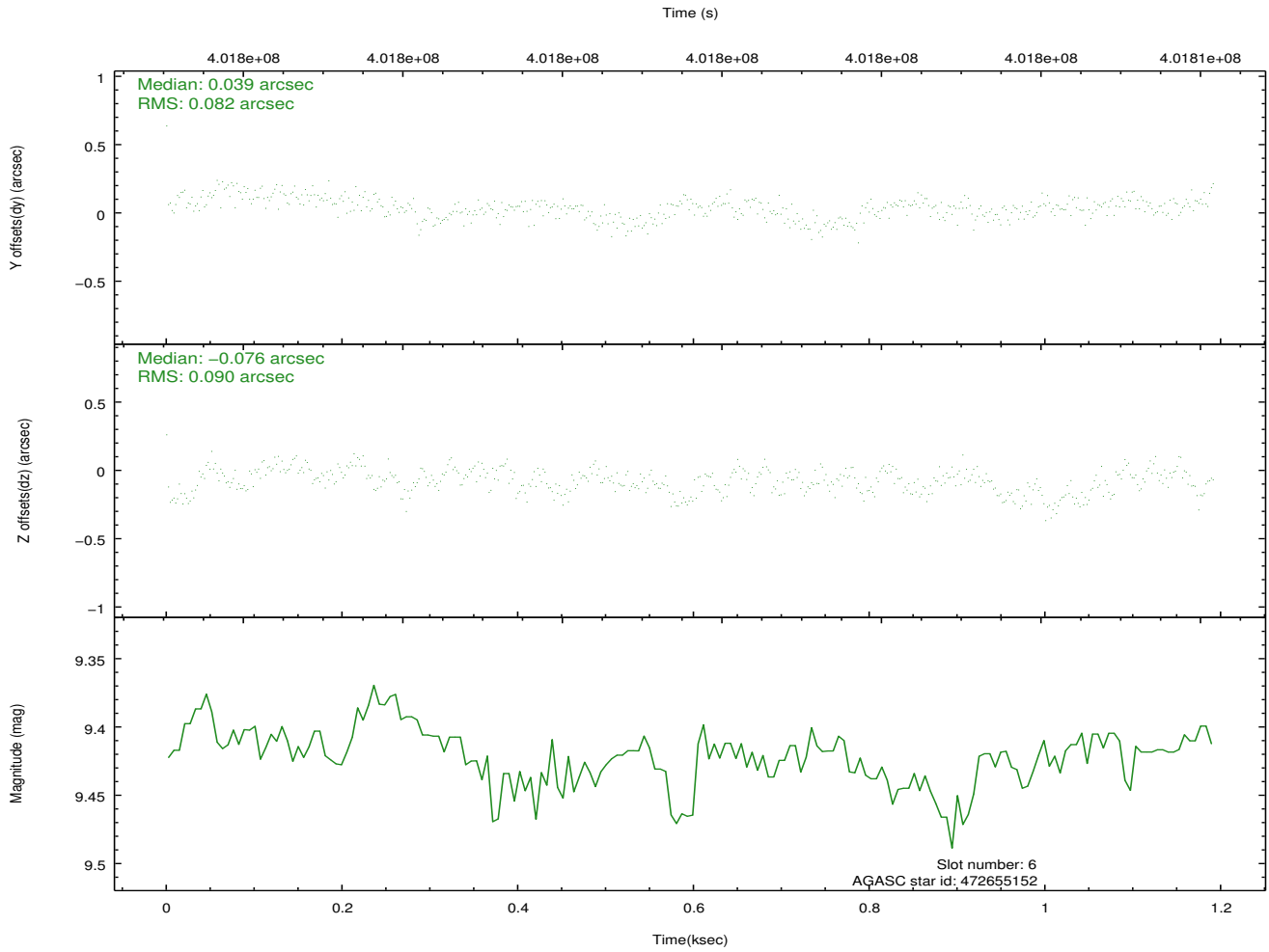
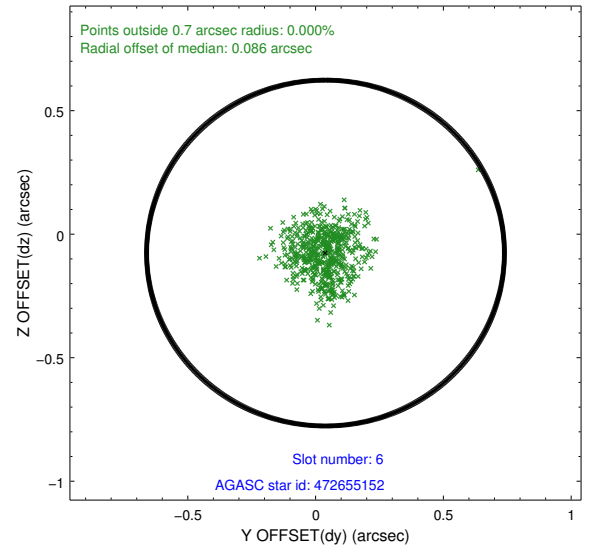
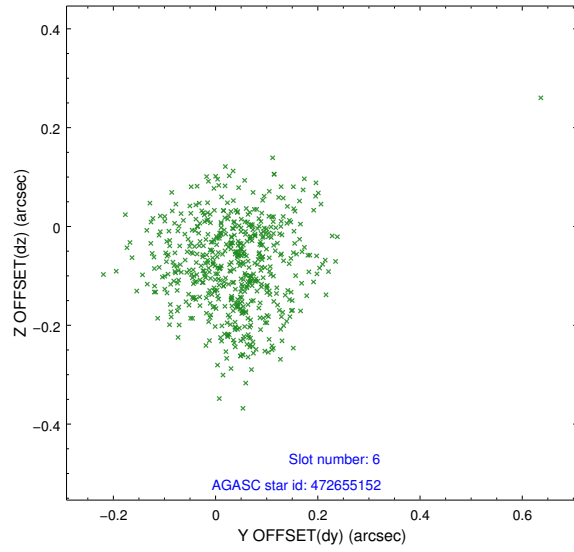
## 2.4.2 Slot 4



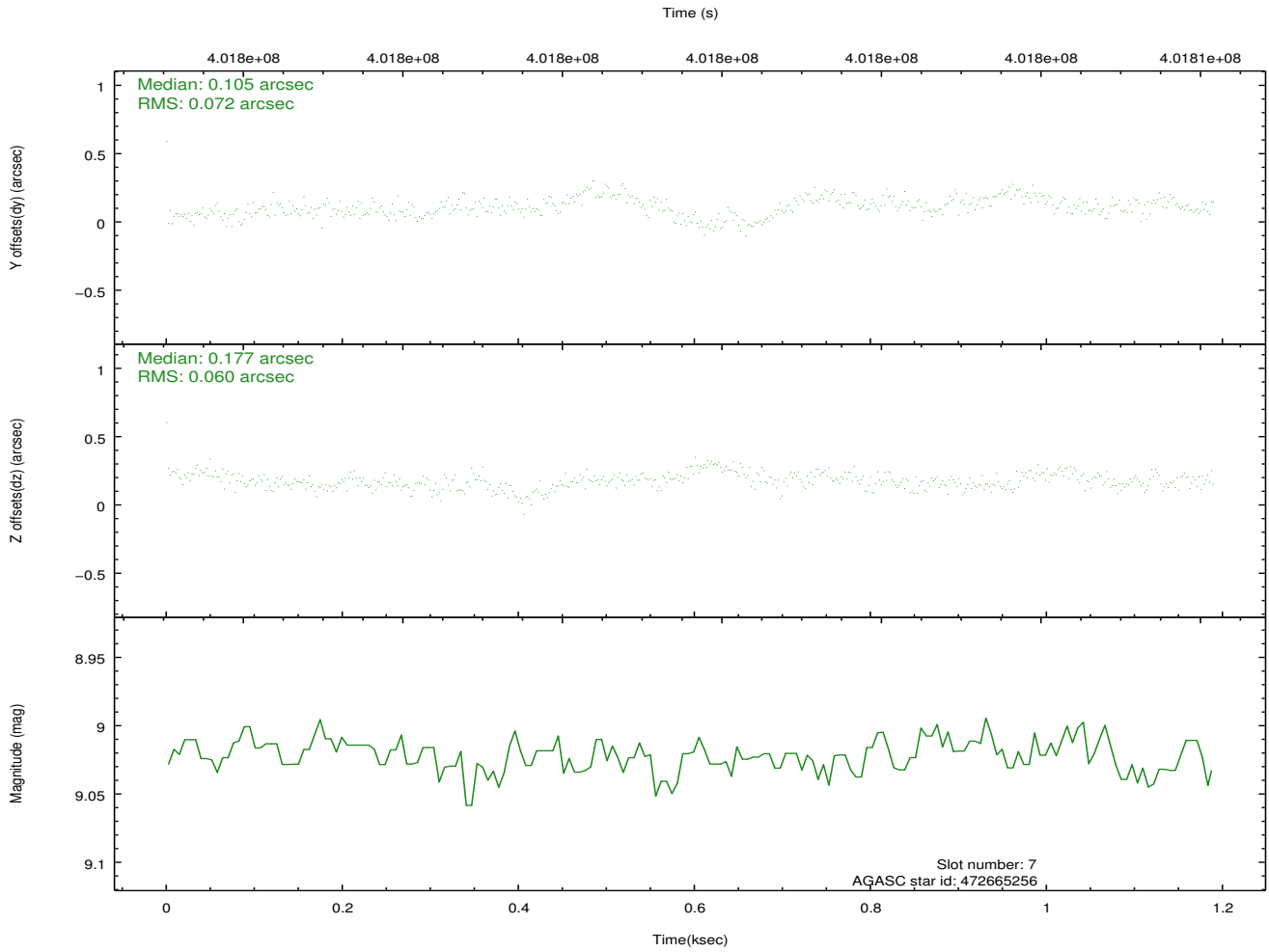
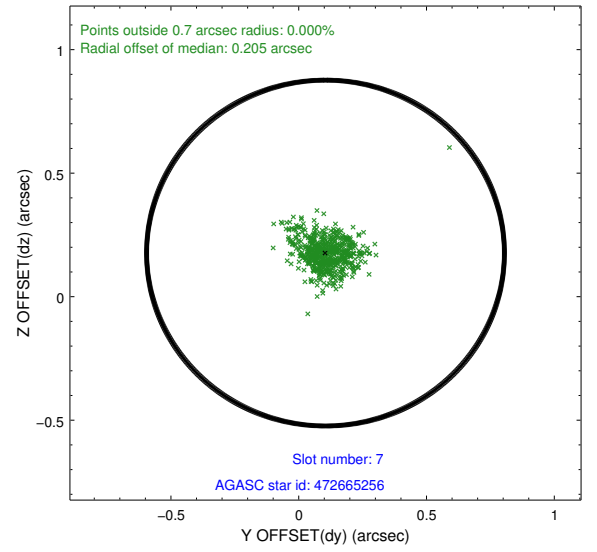
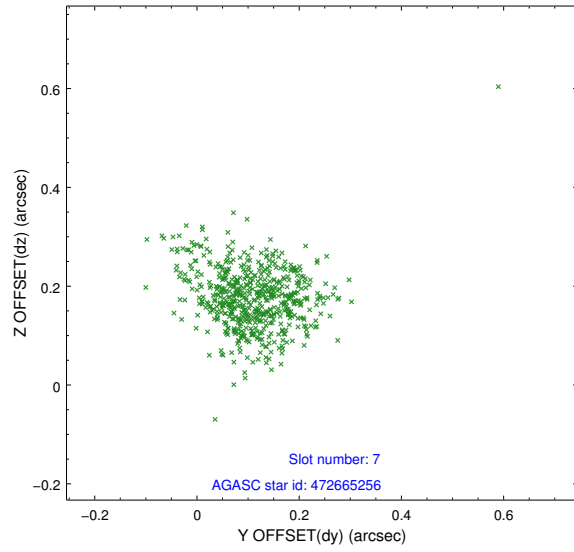
### 2.4.3 Slot 5



## 2.4.4 Slot 6

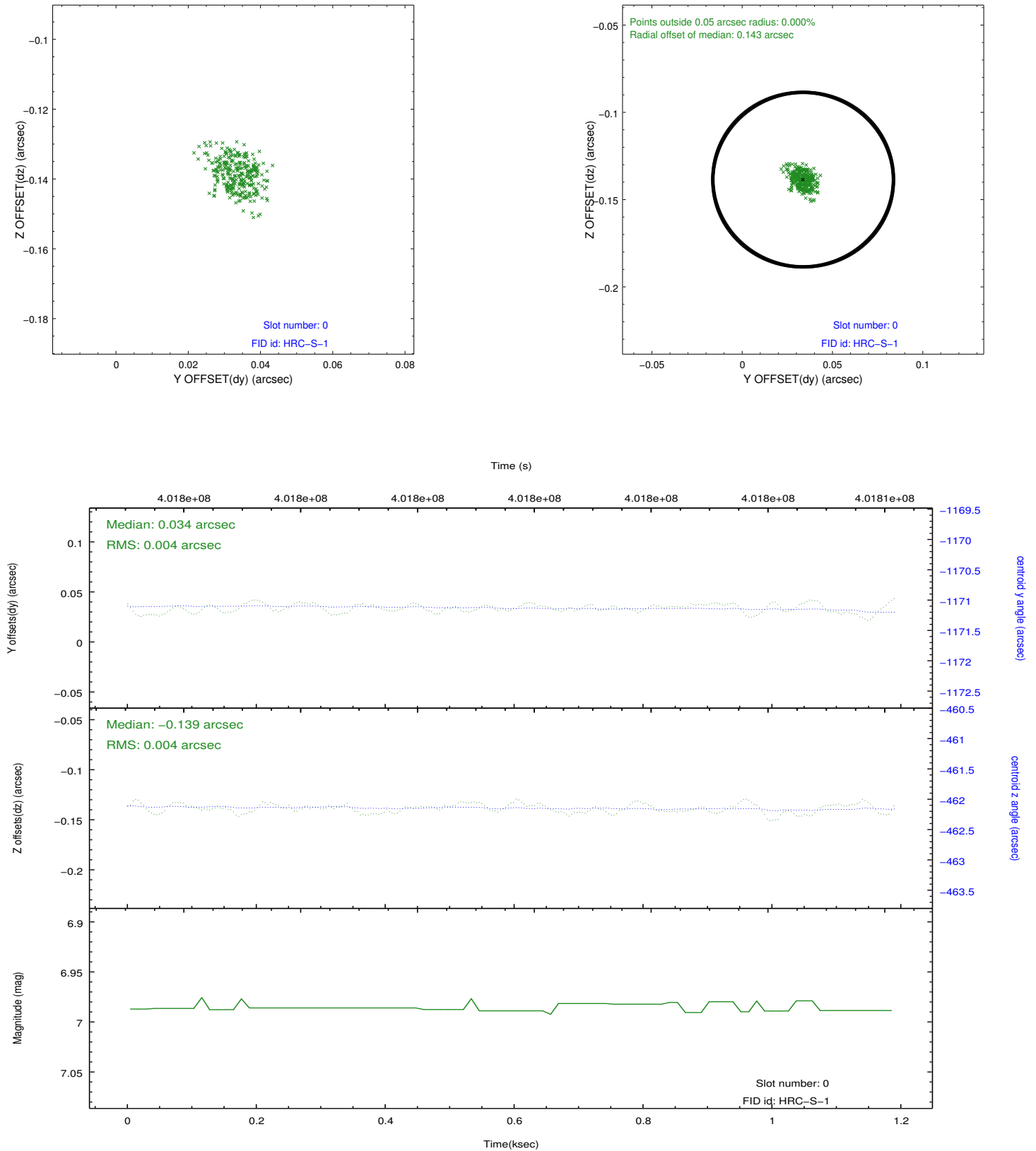


## 2.4.5 Slot 7

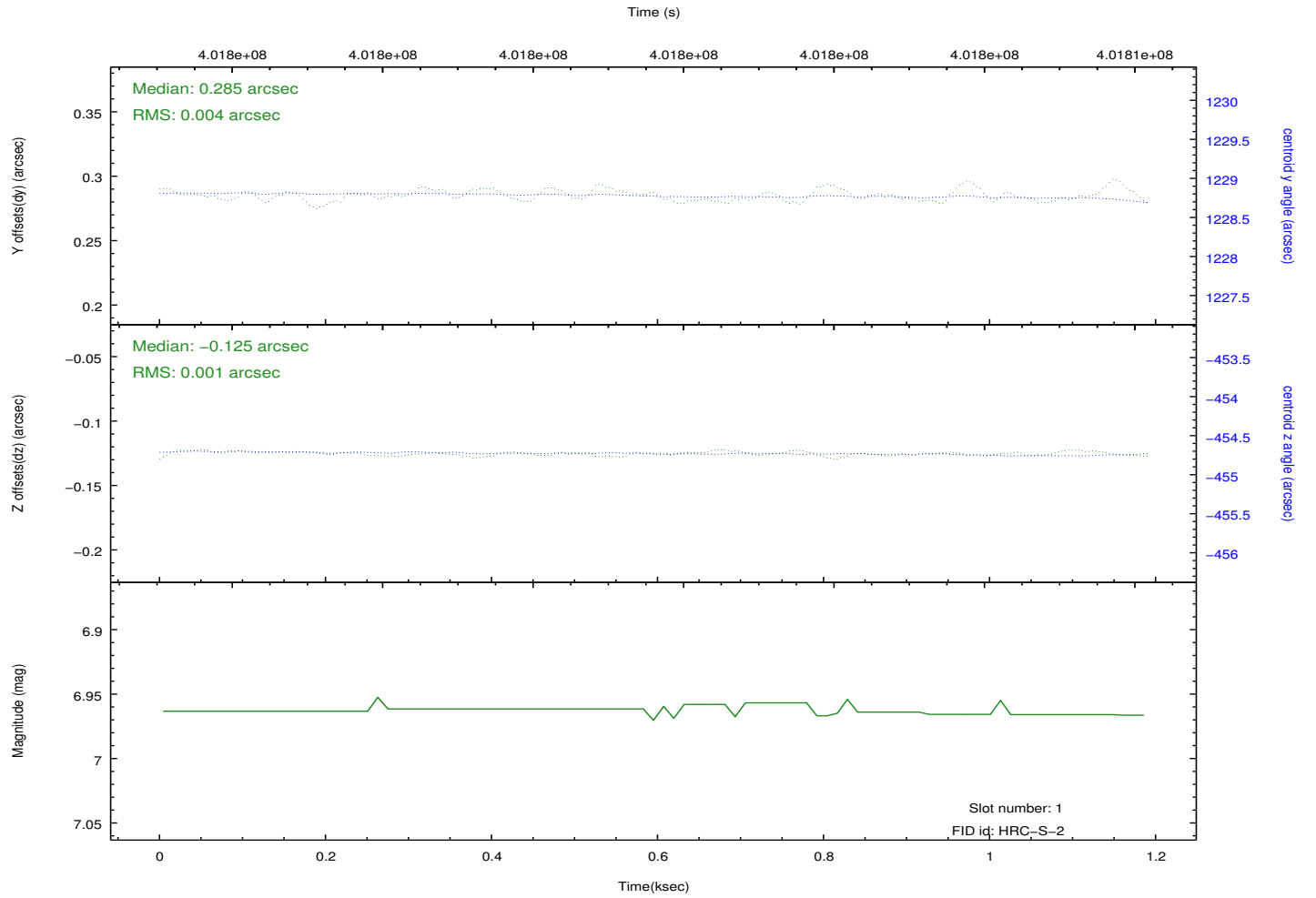
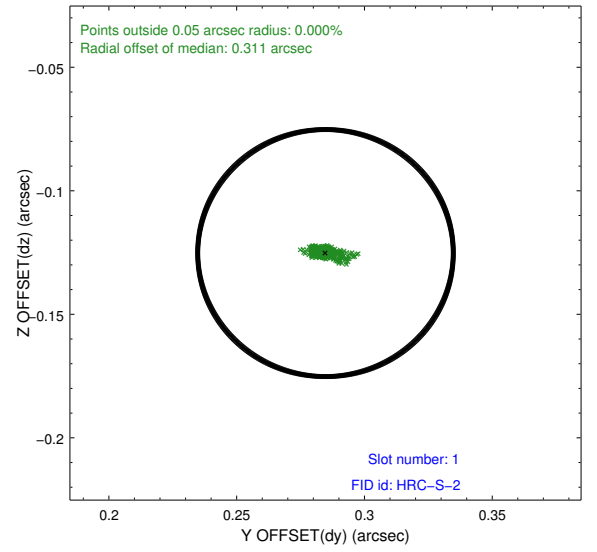
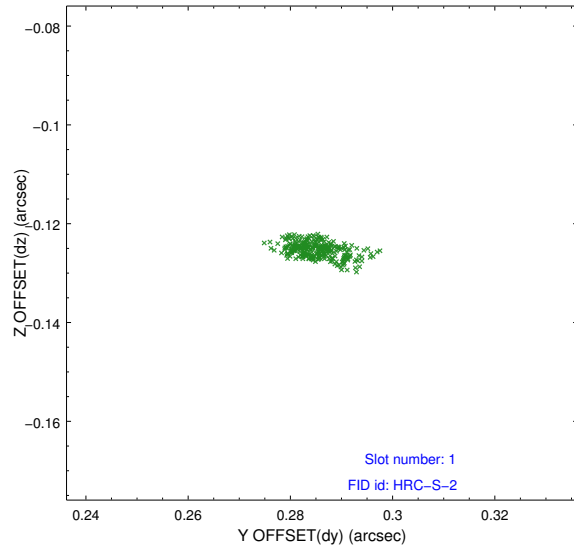


## 2.5 FID Slots

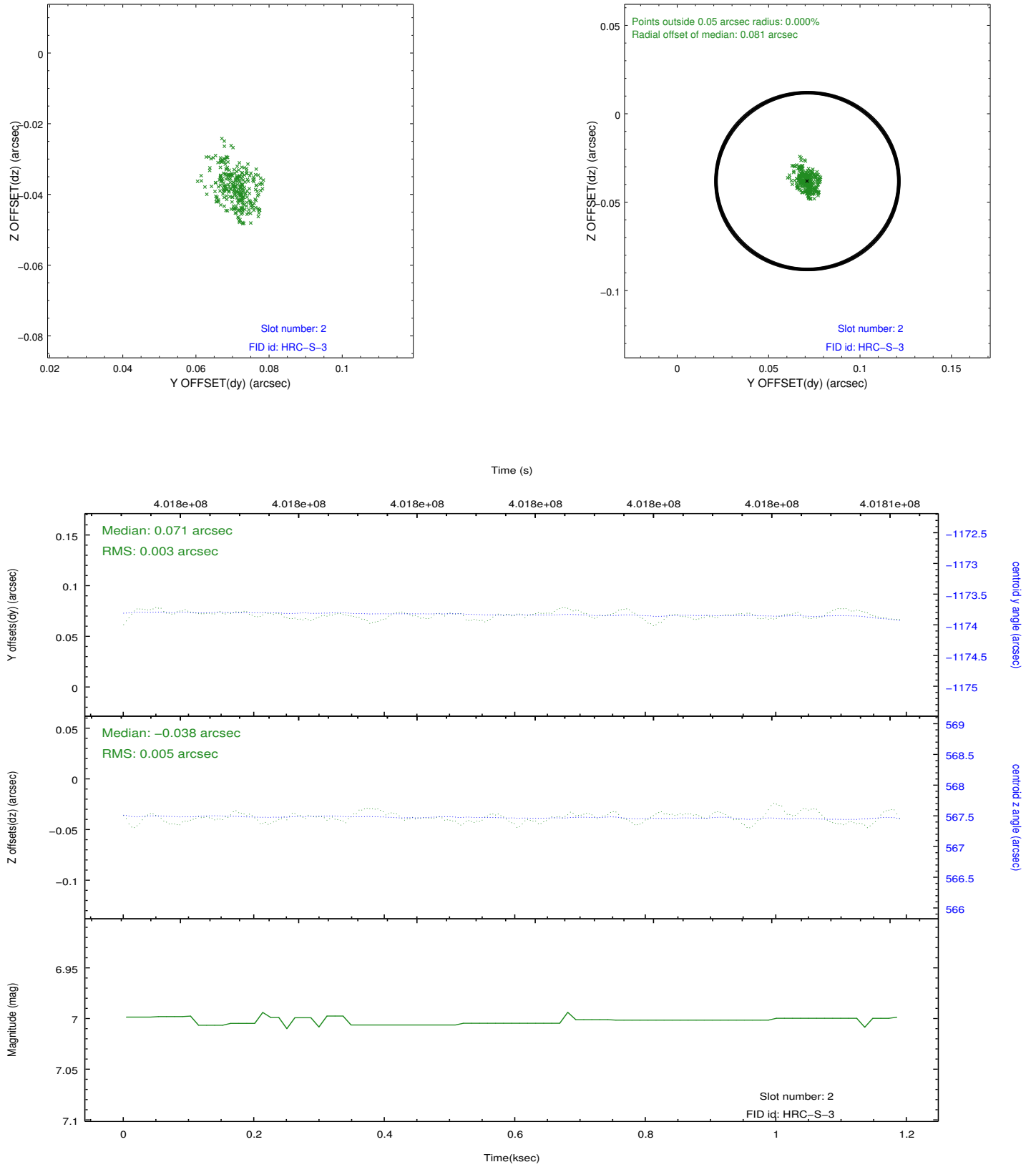
### 2.5.1 Slot 0



## 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	1.159531309545

### A.2 Comments