

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 6492 - L2 Version 3  
Chandra X-Ray Center

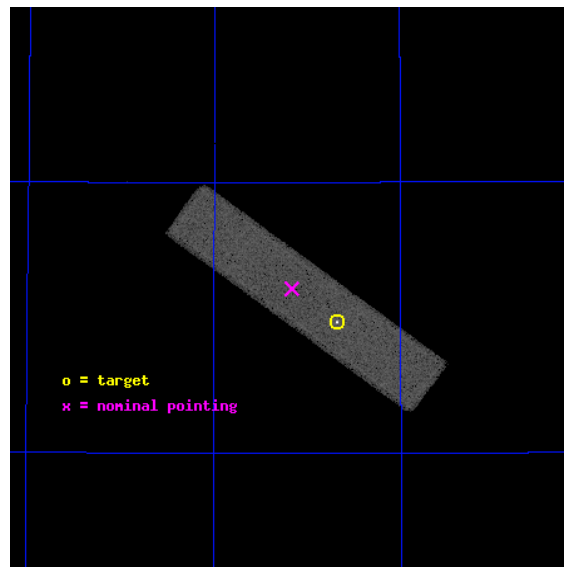
L2 Processing Date : Aug 11 2012

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# 1 Front

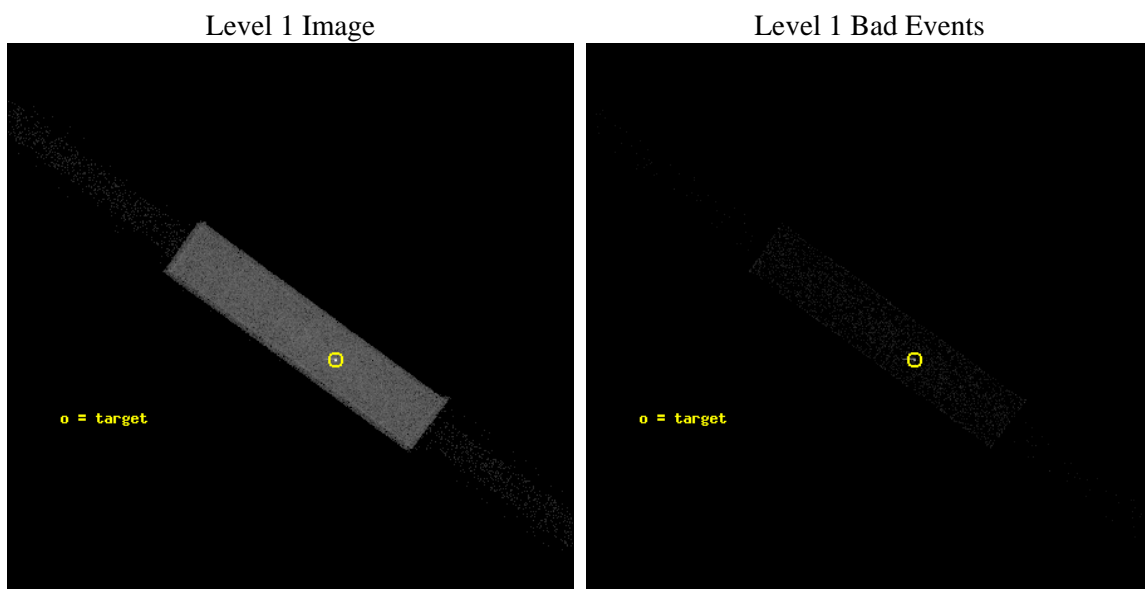
seq_num	290585	Sequence number
obs_id	6492	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.29096546105	Nominal RA [deg]
dec_nom	45.803927607281	Nominal Dec [deg]
roll_nom	35.90237660299	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1147.2313033938	[s]
livetime	1137.7114963634	Ontime multiplied by DTCOR
l2events	68678	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	1147.2313033938	[s]
caldbver	4.5.1.1	&#160	l1events	108503	Number of level 1 events
date	2012-08-11T04:54:26	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

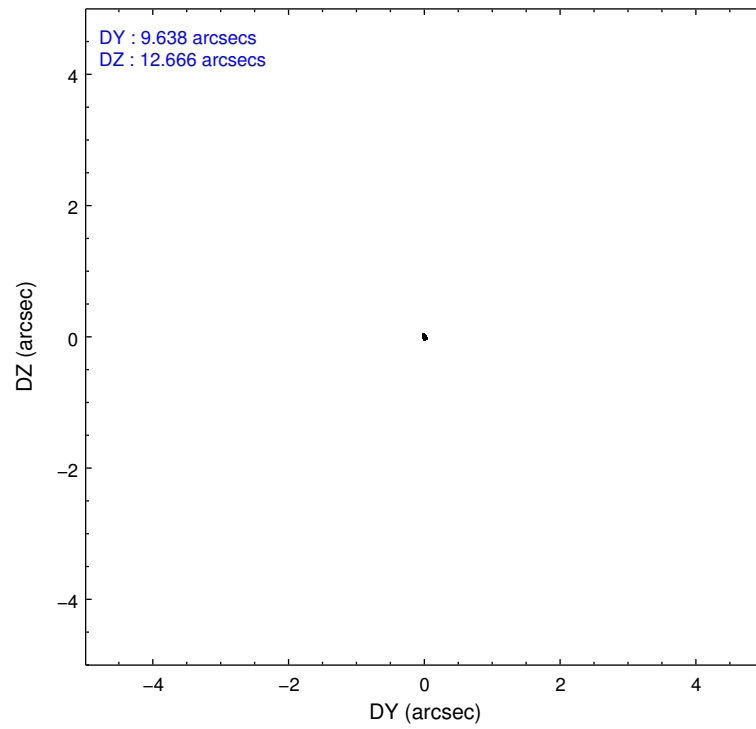
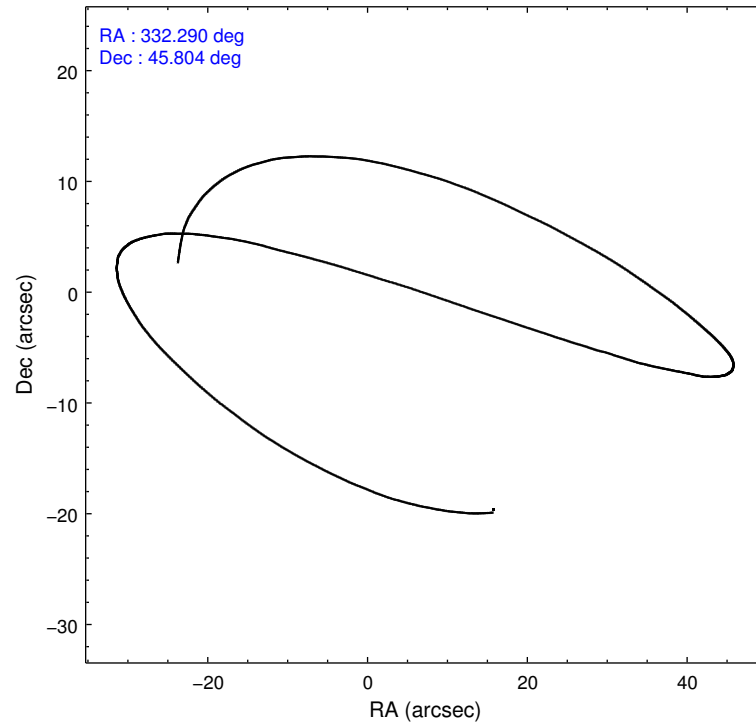
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1051	106495	957
rejected events	1051	24726	952
rejected %	100%	23%	99%

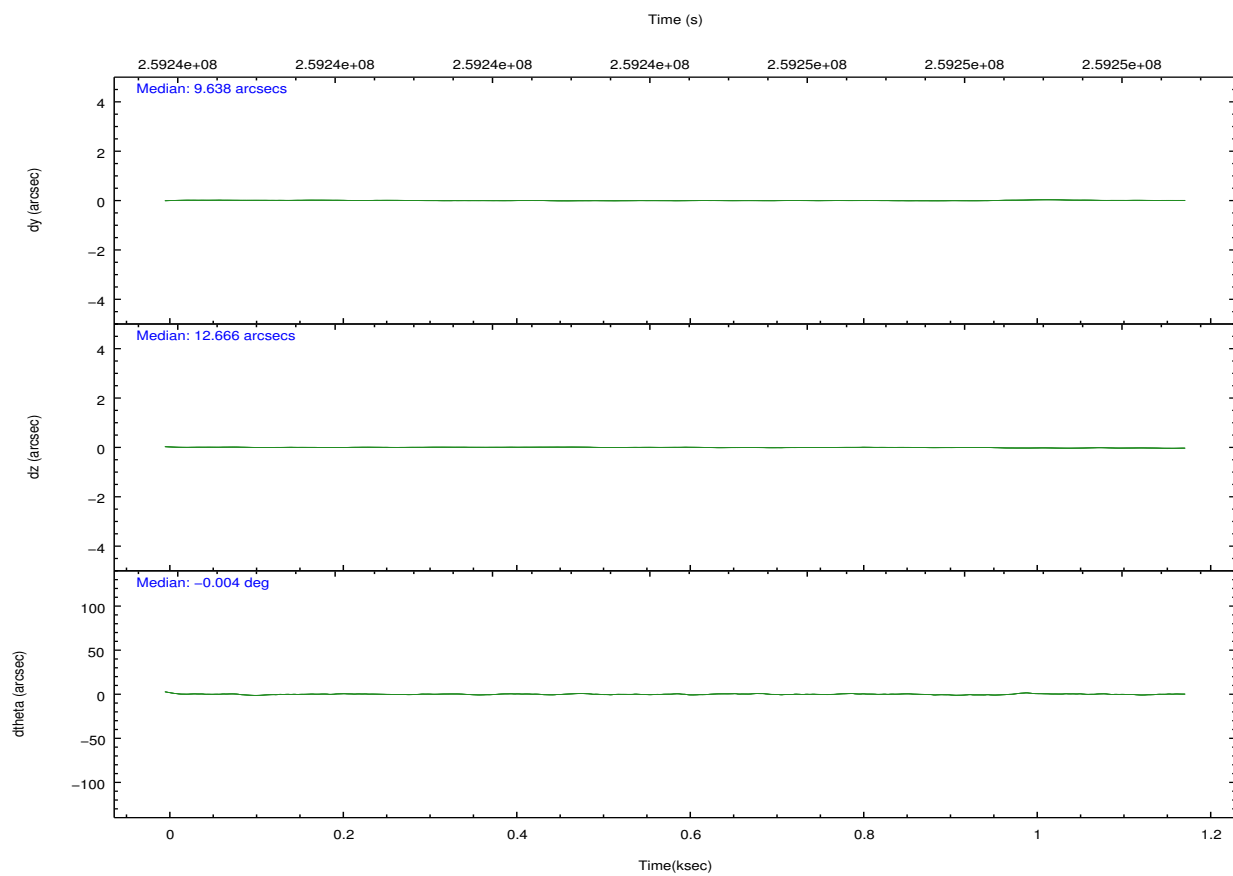
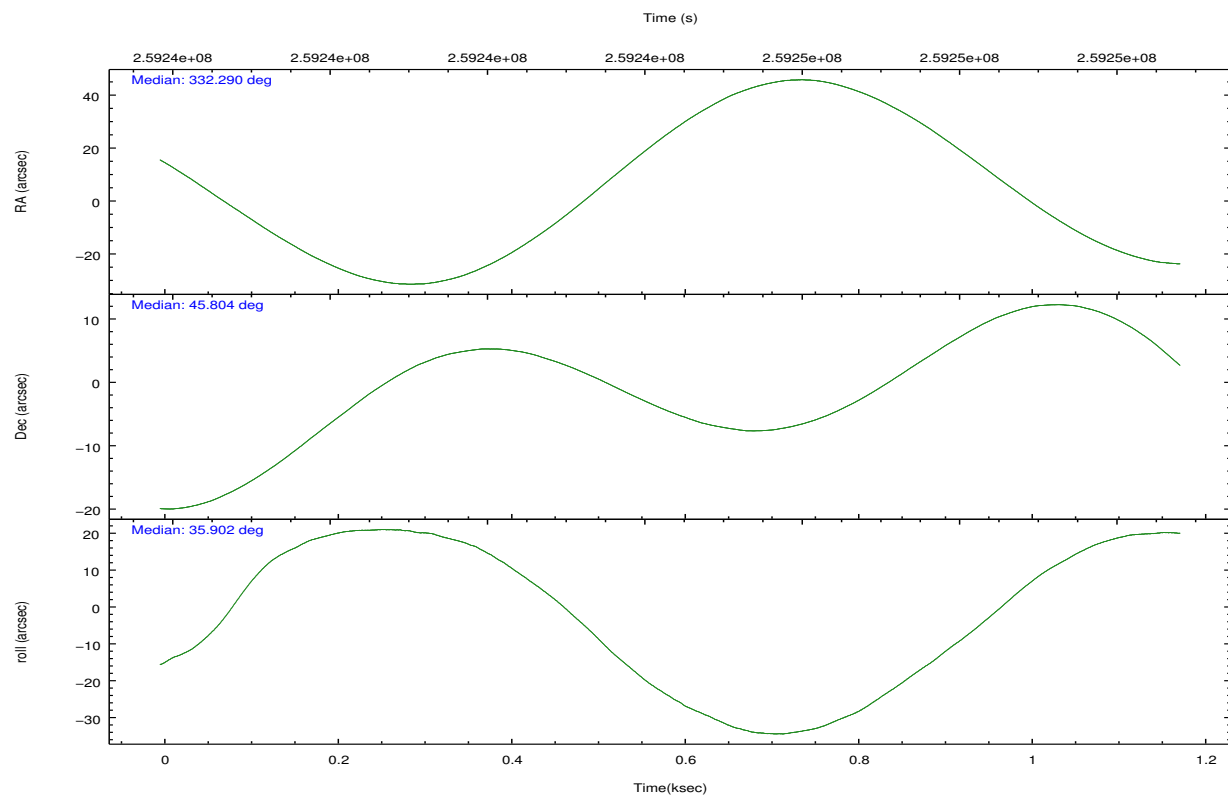
## 2.2 Compared Parameters

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	332.276846	332.2909654610544
[deg] Pointing Dec	45.776894	45.80392760728061
[deg] Pointing Roll	35.845186	35.90237660298995
[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)	259244619.184000	259244243.38084
Observation start date	2006-03-20T12:22:34	2006-03-20T12:17:23
[s] Observation end time (MET)	259245619.184000	259245753.20592
Observation end date	2006-03-20T12:39:14	2006-03-20T12:42:33

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

## 2.3 Aspect





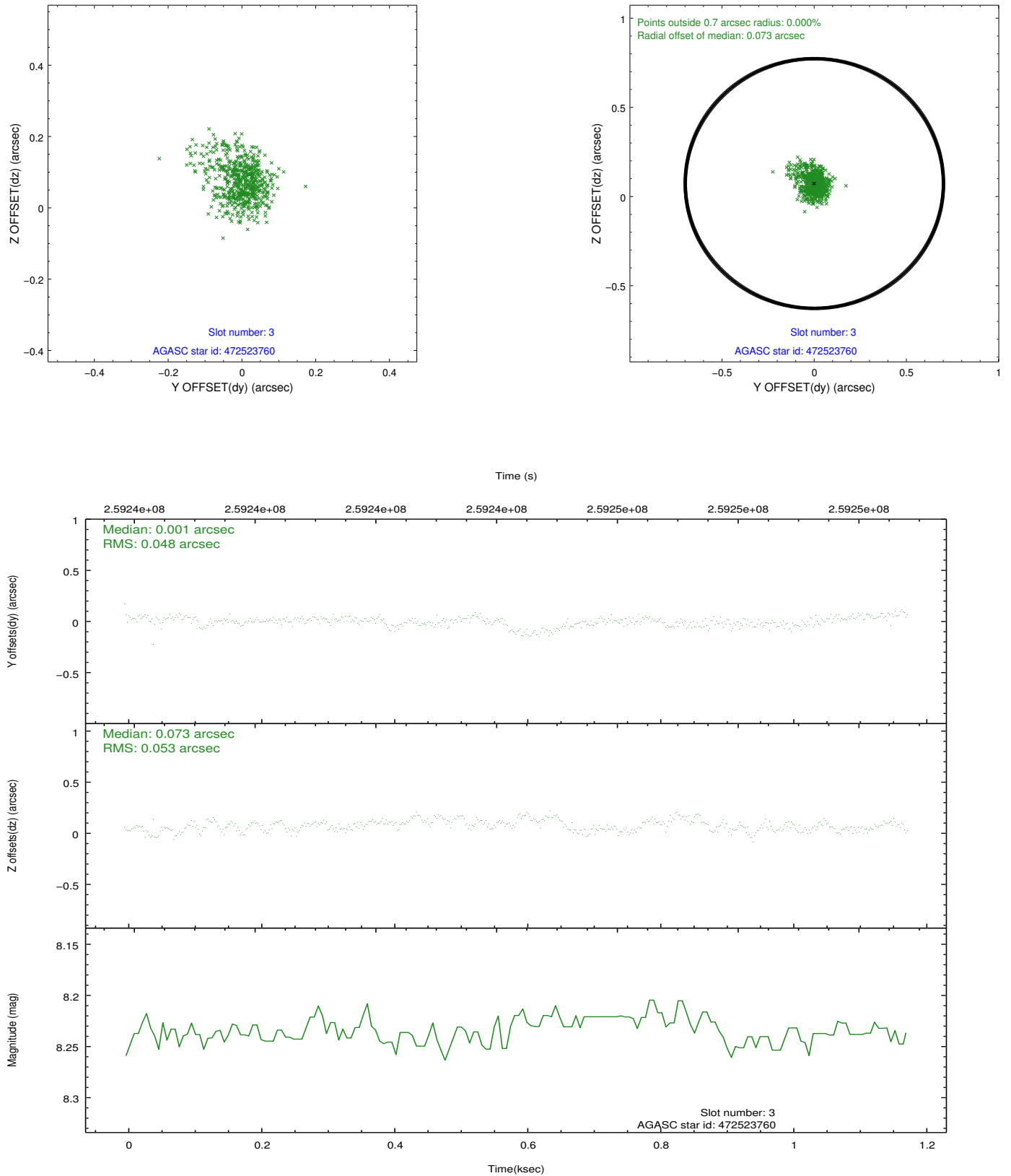
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	287	0.140	-0.135	0.006	0.011	0.000000	0.000000	-1163.82	-461.42
1	FID	HRC-S-2	7.04	287	0.131	-0.105	0.005	0.008	0.000000	0.000000	1231.77	-455.61
2	FID	HRC-S-3	7.05	287	0.119	-0.062	0.007	0.010	0.000000	0.000000	-1162.29	566.59
3	GUIDE	472523760	8.23	575	0.001	0.073	0.074	0.127	331.645363	45.403260	-2076.93	-152.53
4	GUIDE	472655152	9.42	575	0.197	0.093	0.117	0.177	332.504239	45.862991	641.62	-84.20
5	GUIDE	472663080	9.42	575	-0.129	-0.004	0.102	0.173	332.652741	46.473840	2227.97	1487.75
6	GUIDE	472665256	9.02	572	-0.091	-0.142	0.081	0.137	332.808125	46.195041	1962.06	449.05
7	GUIDE	472654568	9.43	574	0.029	-0.040	0.112	0.191	332.194449	45.063576	-1669.18	-1960.14

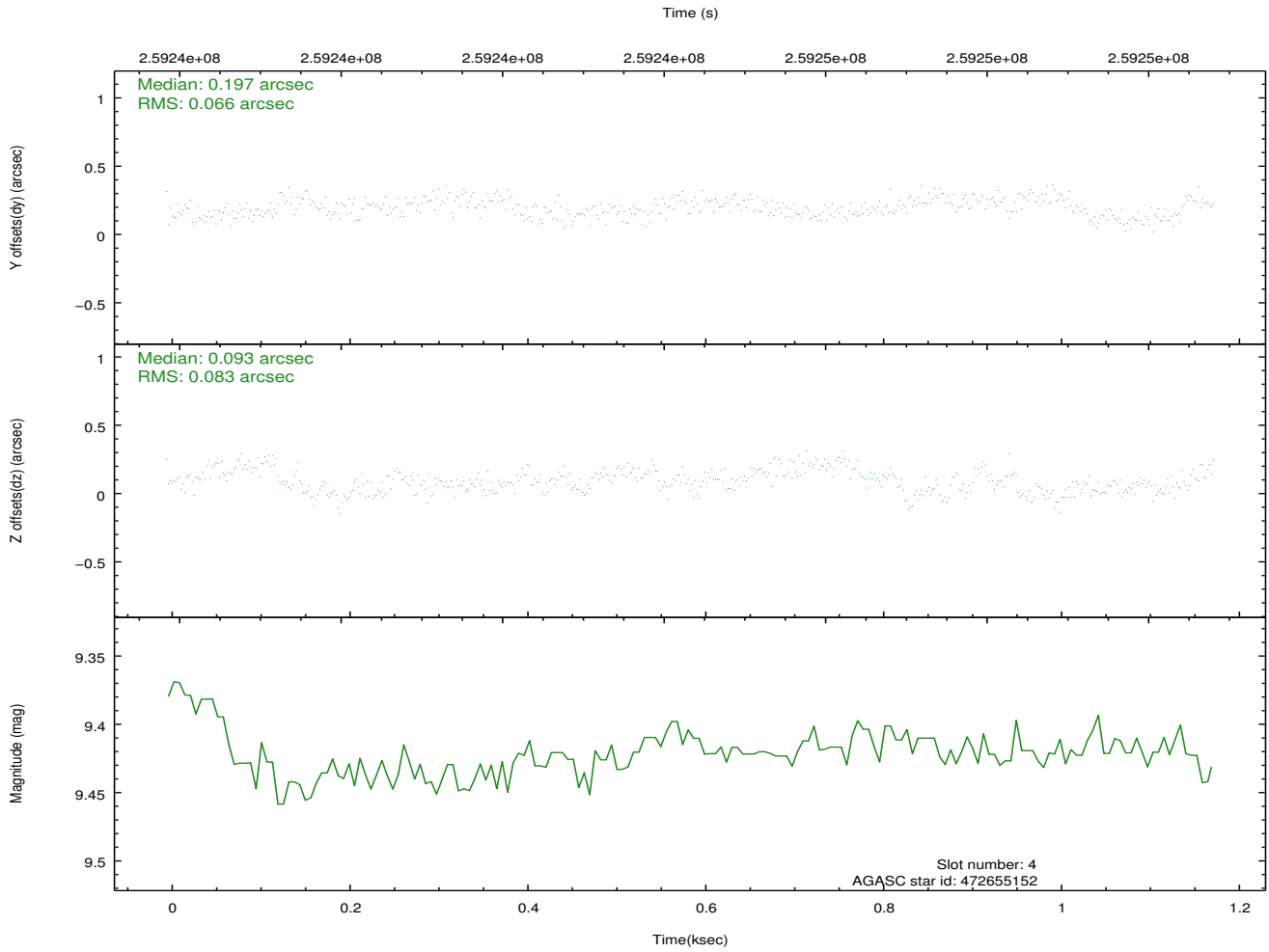
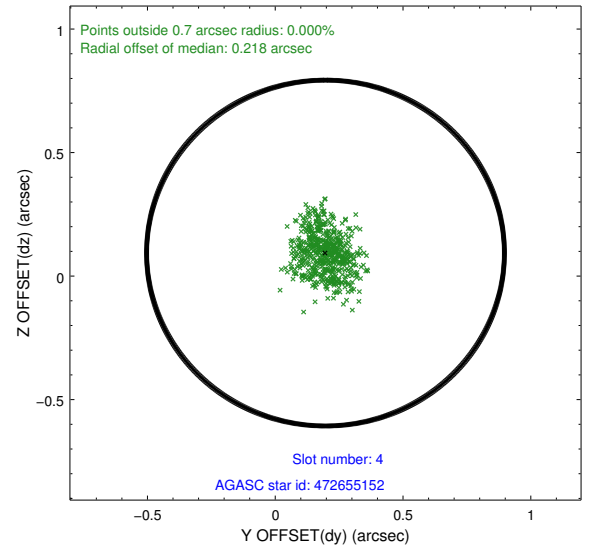
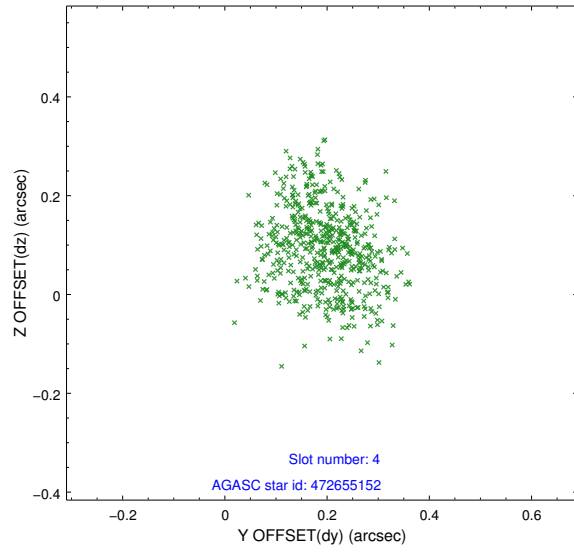


## 2.4 Star Slots

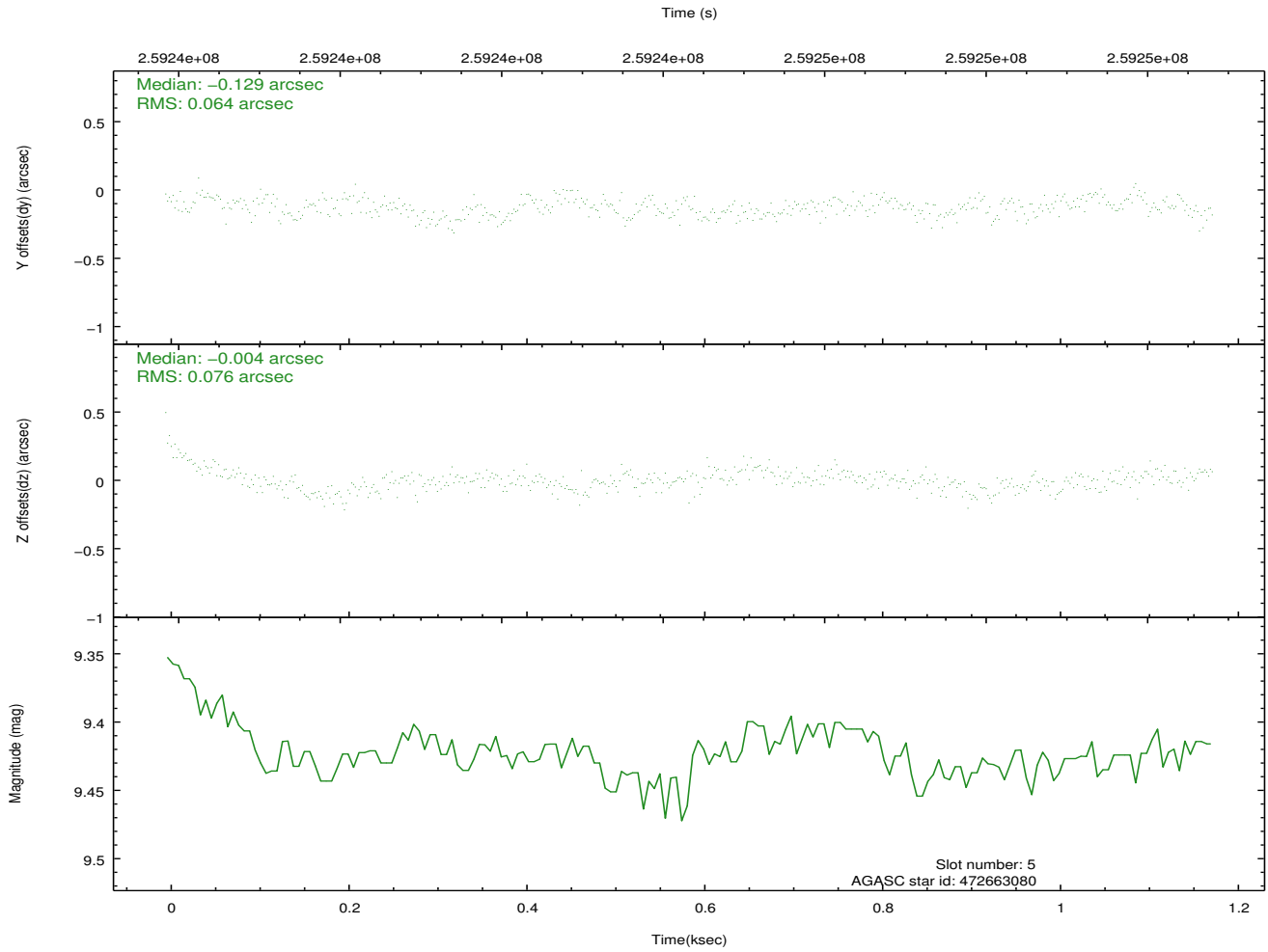
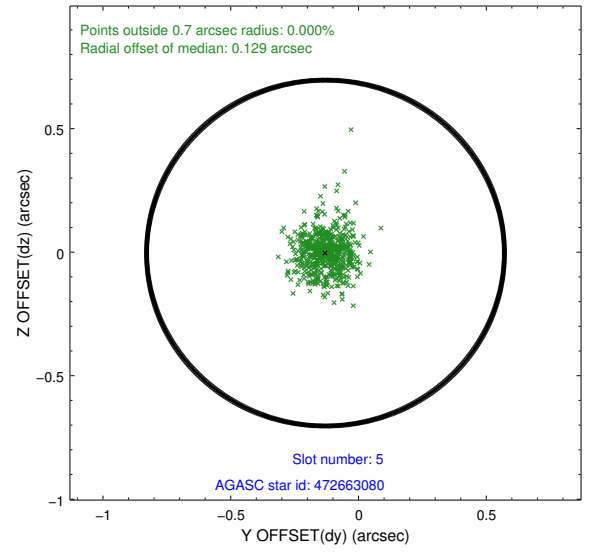
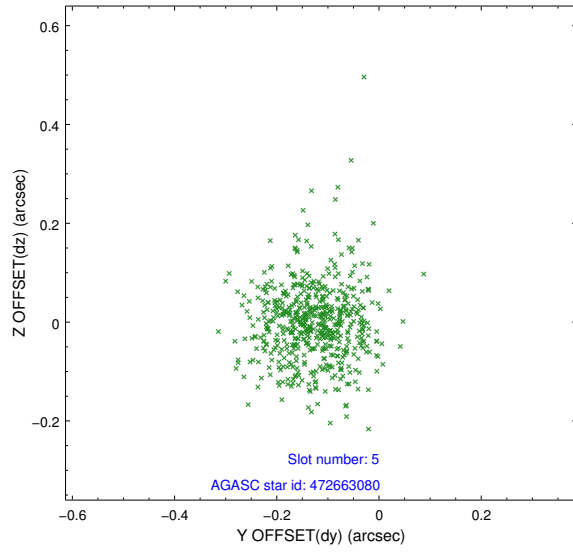
### 2.4.1 Slot 3



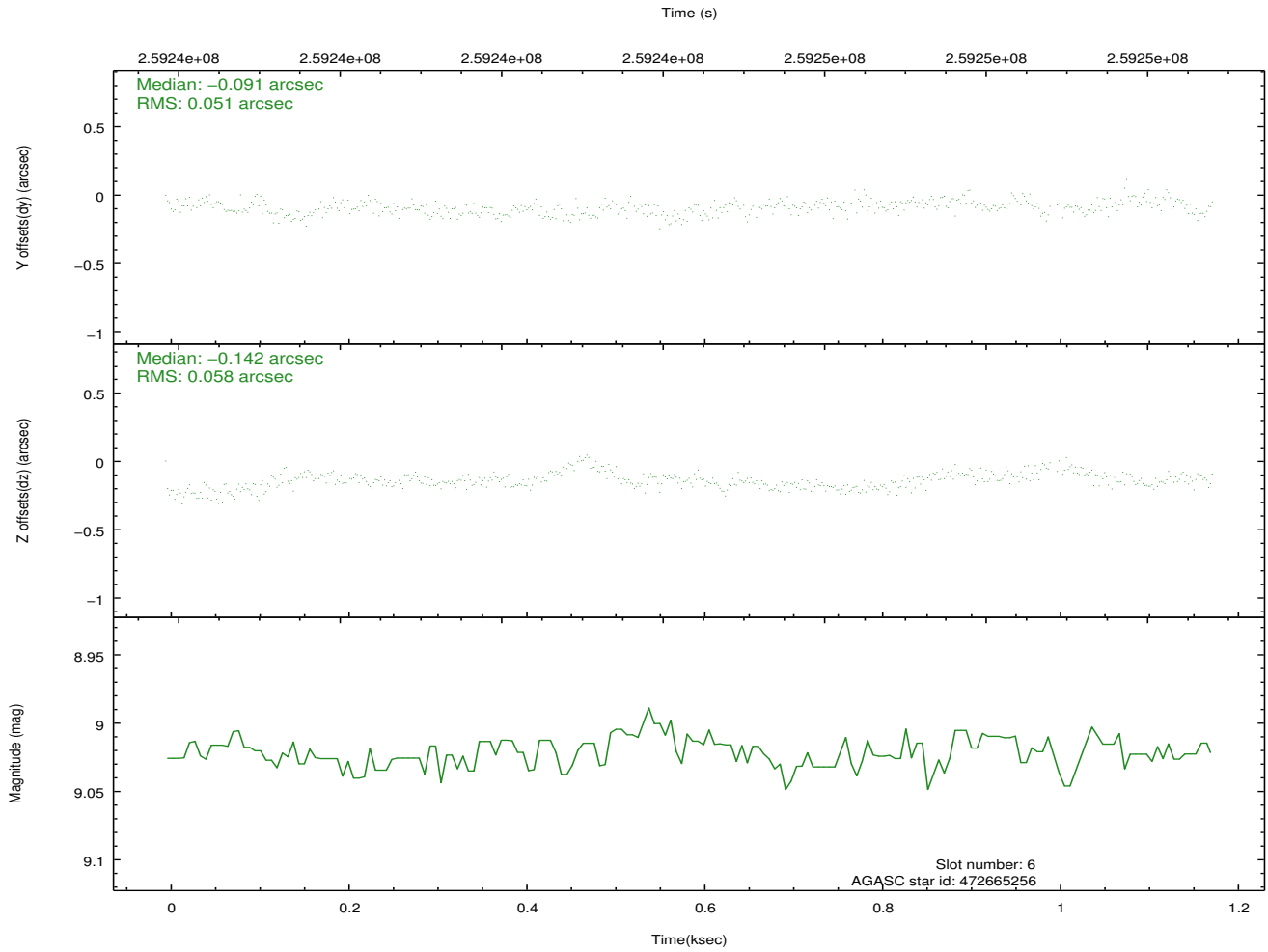
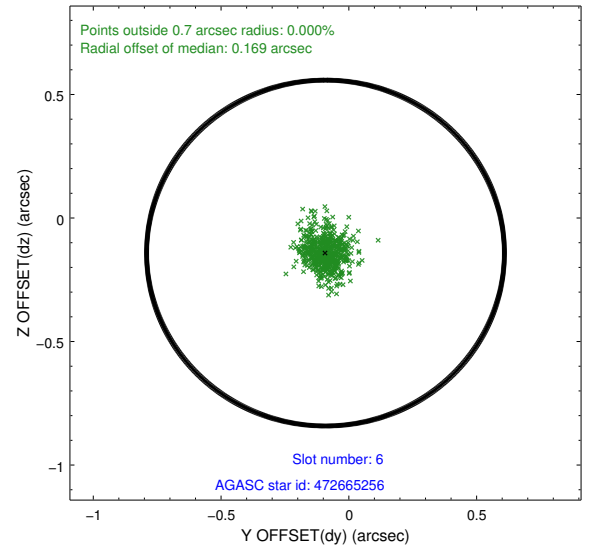
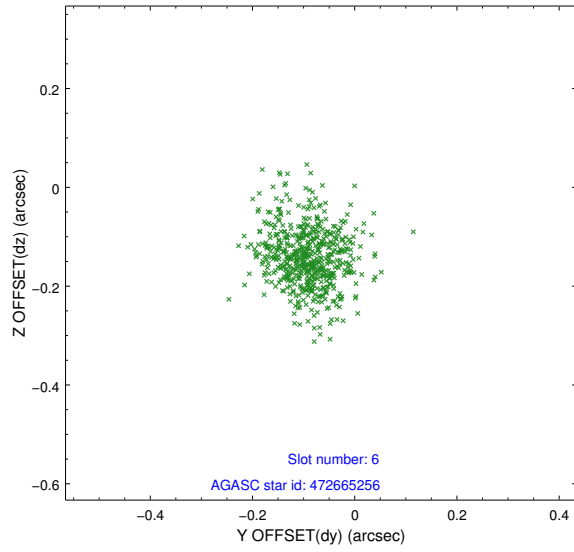
## 2.4.2 Slot 4



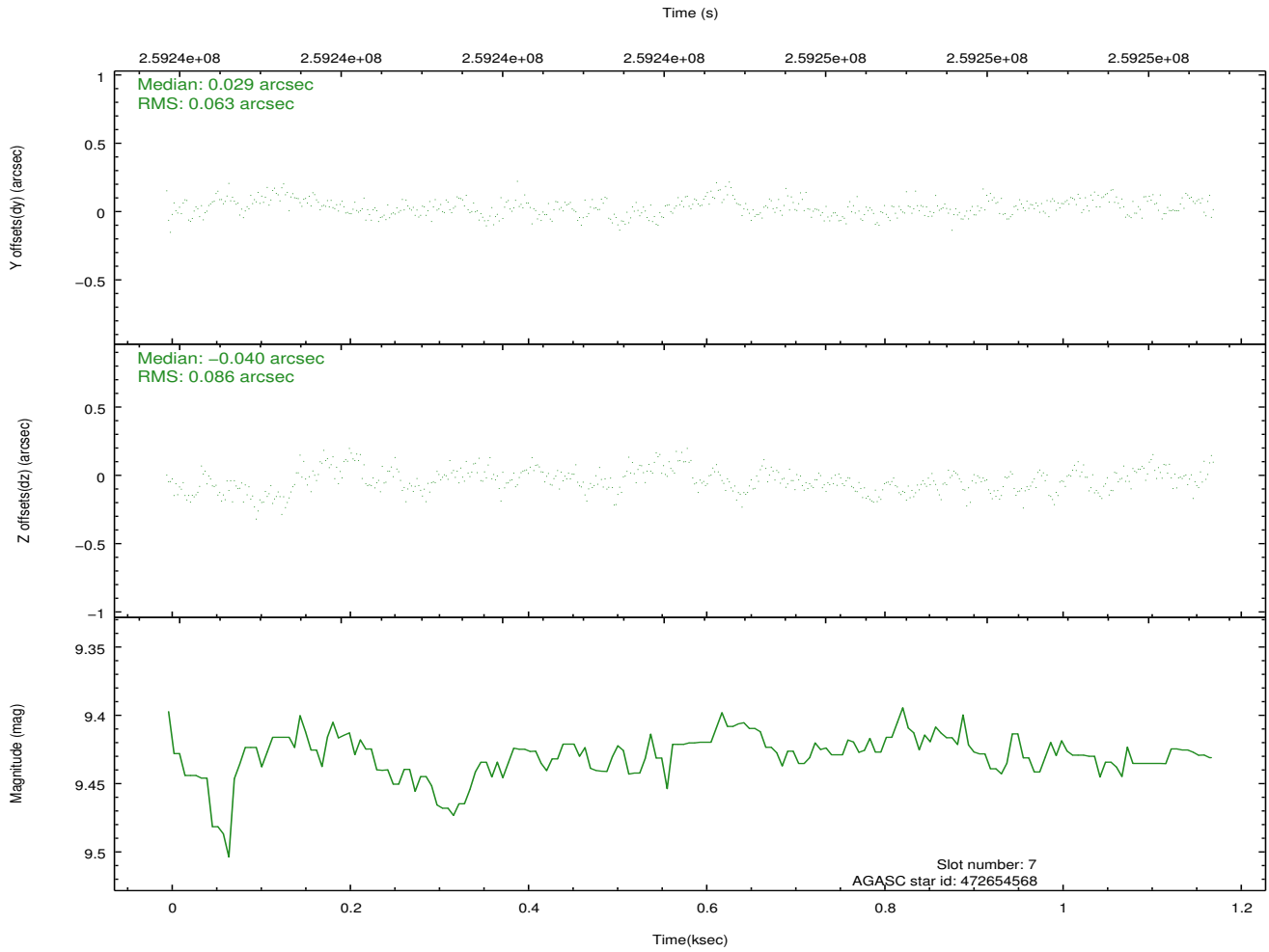
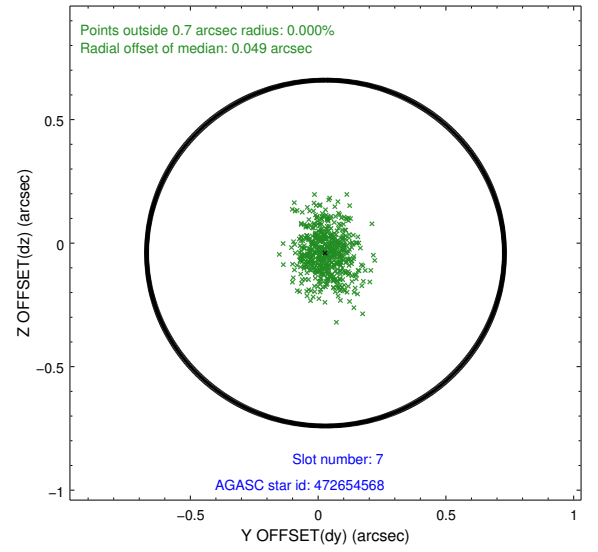
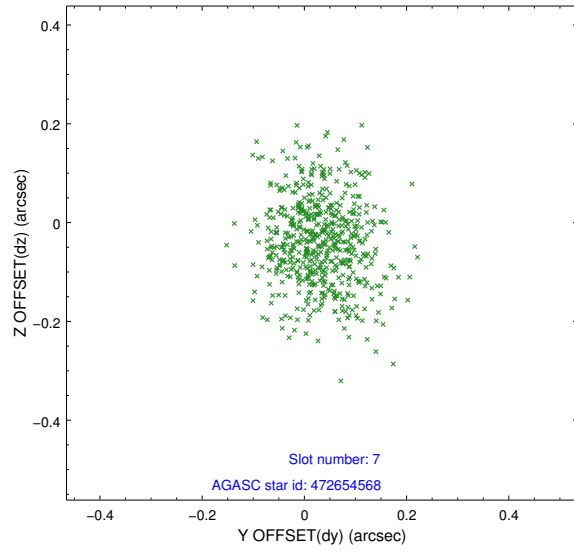
### 2.4.3 Slot 5



## 2.4.4 Slot 6

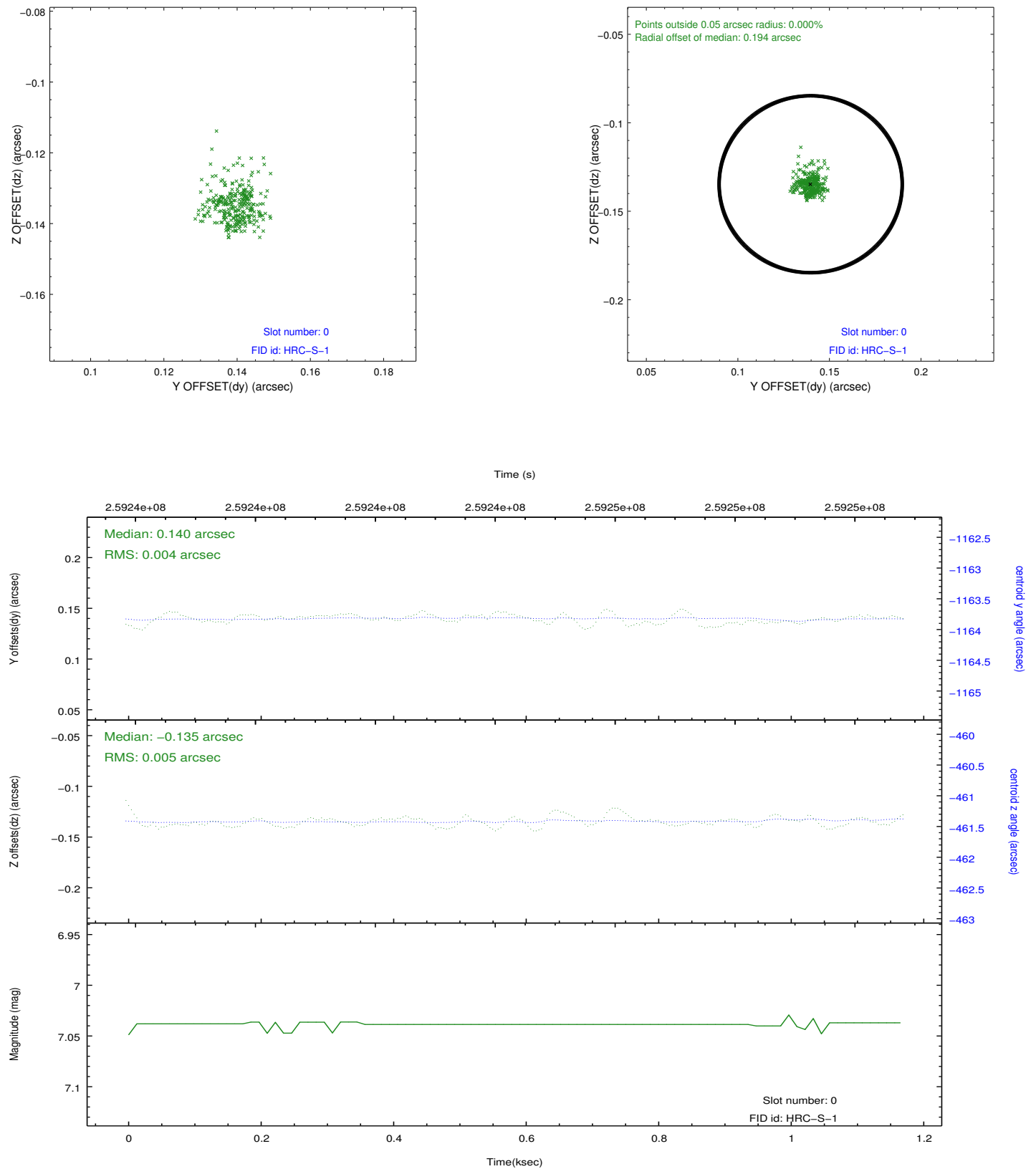


## 2.4.5 Slot 7

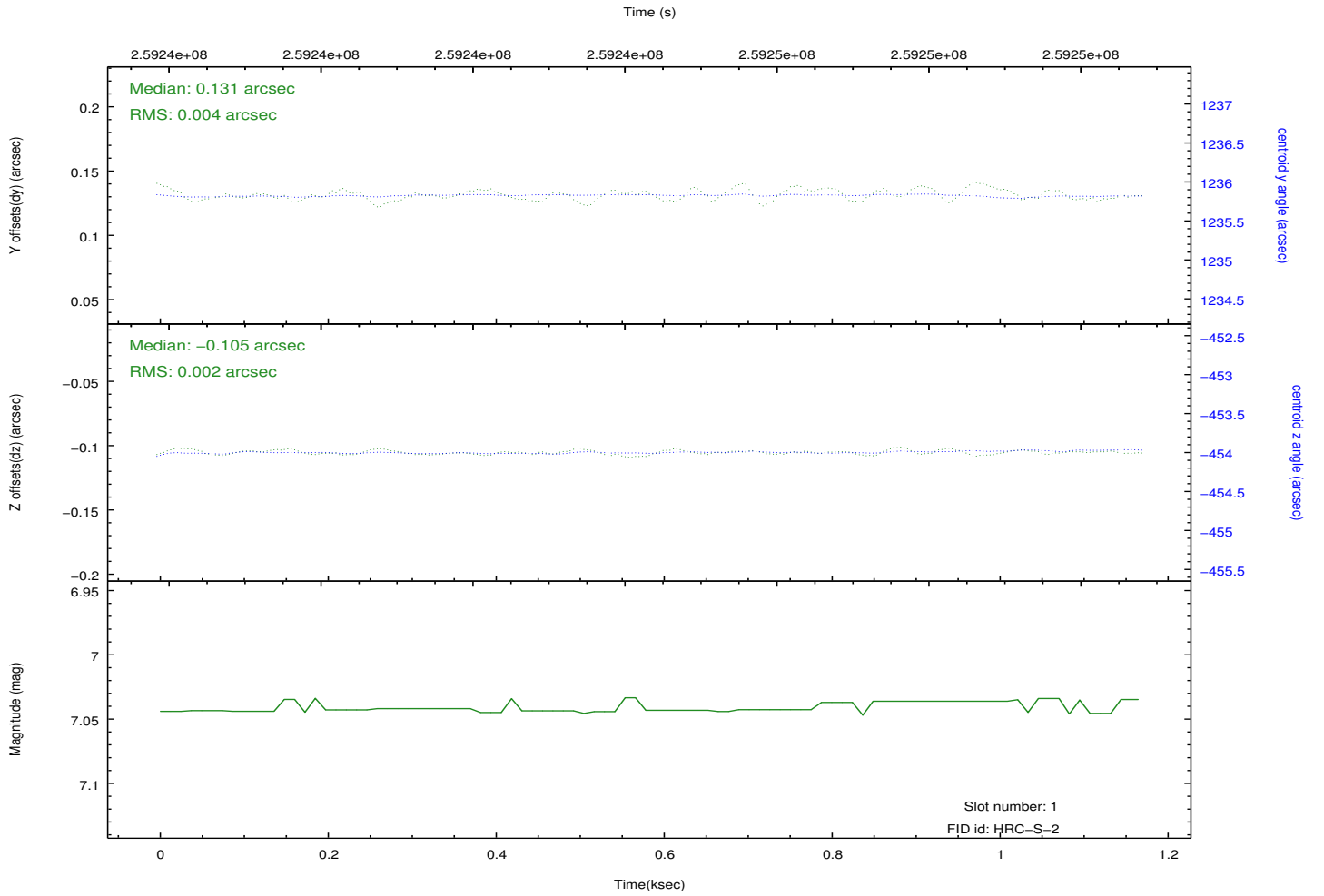
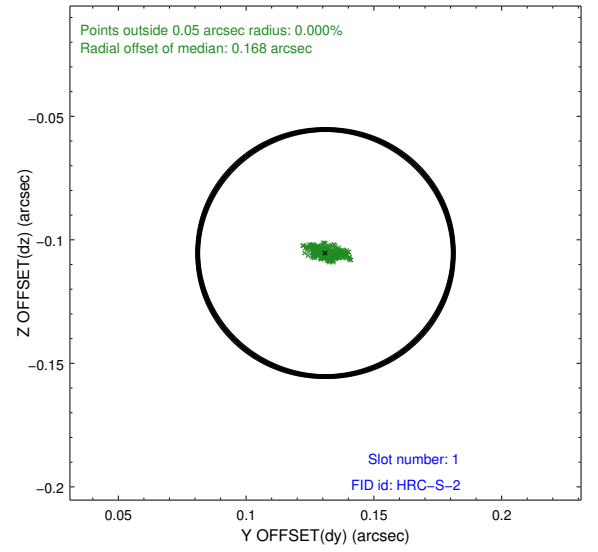
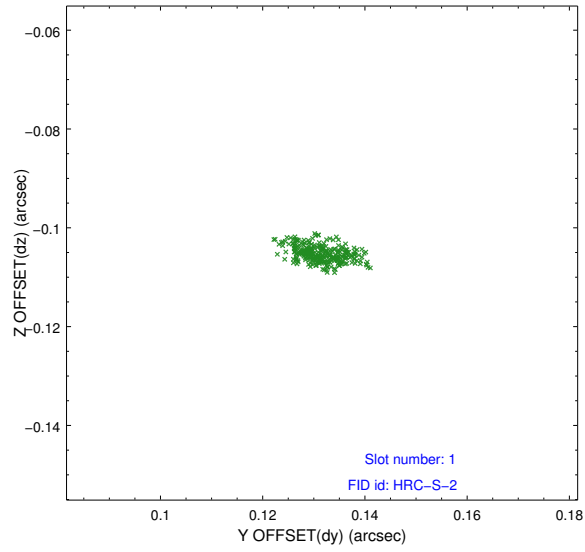


## 2.5 FID Slots

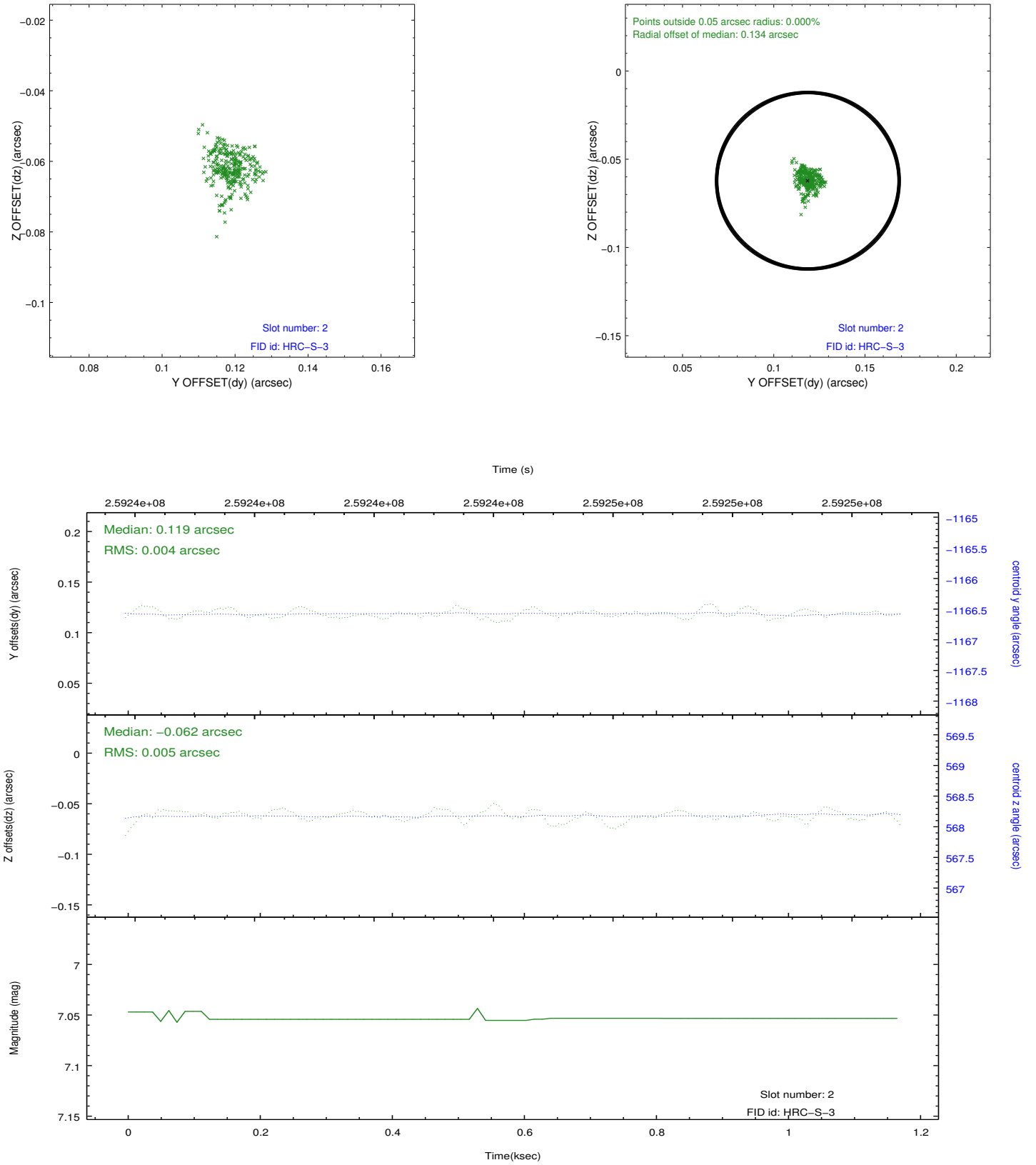
### 2.5.1 Slot 0



## 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)	2012.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.14697505

### A.2 Comments