

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 6490 - L2 Version 3  
Chandra X-Ray Center

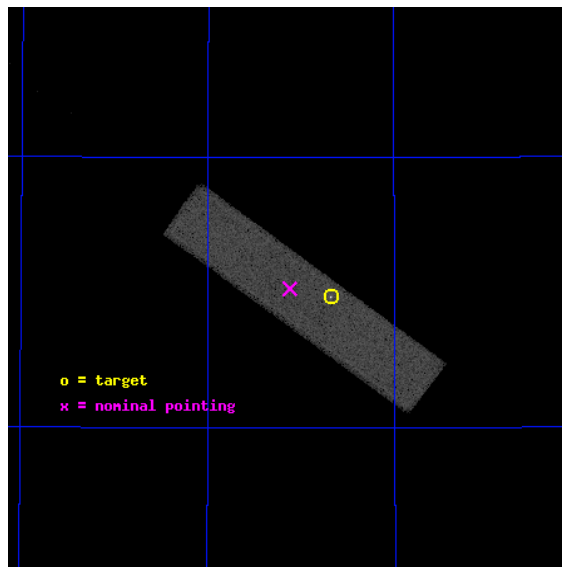
L2 Processing Date : Aug 11 2012

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# 1 Front

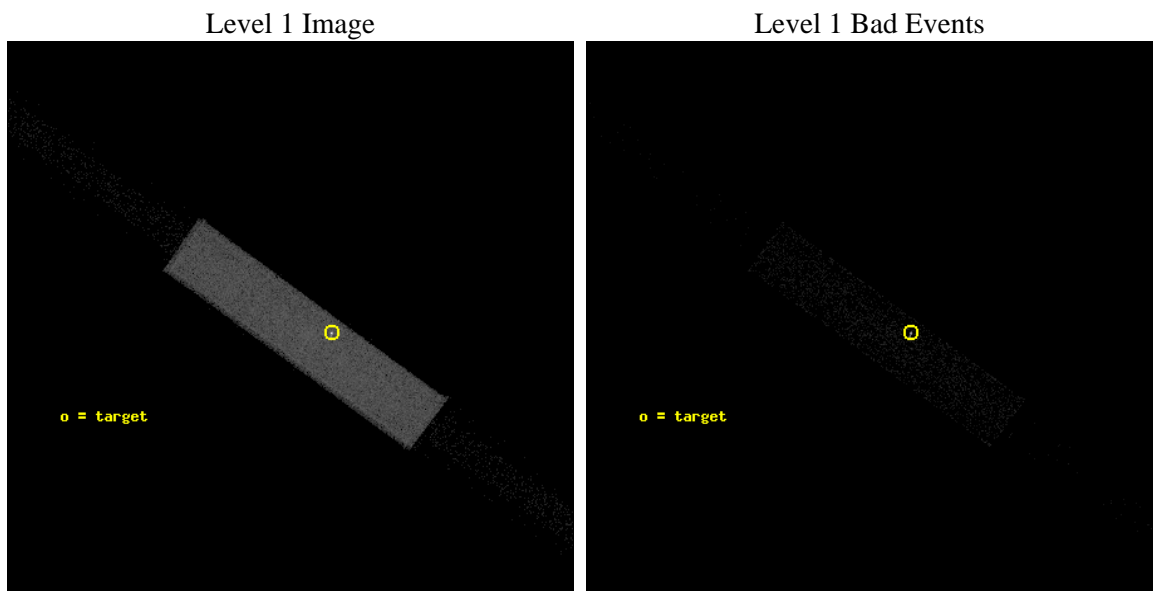
seq_num	290583	Sequence number
obs_id	6490	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.2796632472	Nominal RA [deg]
dec_nom	45.757521646704	Nominal Dec [deg]
roll_nom	35.891157603108	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1153.3813036978	[s]
livetime	1144.0162408286	Ontime multiplied by DTCOR
l2events	66421	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	1153.3813036978	[s]
caldsver	4.5.1.1	&#160	l1events	103760	Number of level 1 events
date	2012-08-11T03:42:56	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

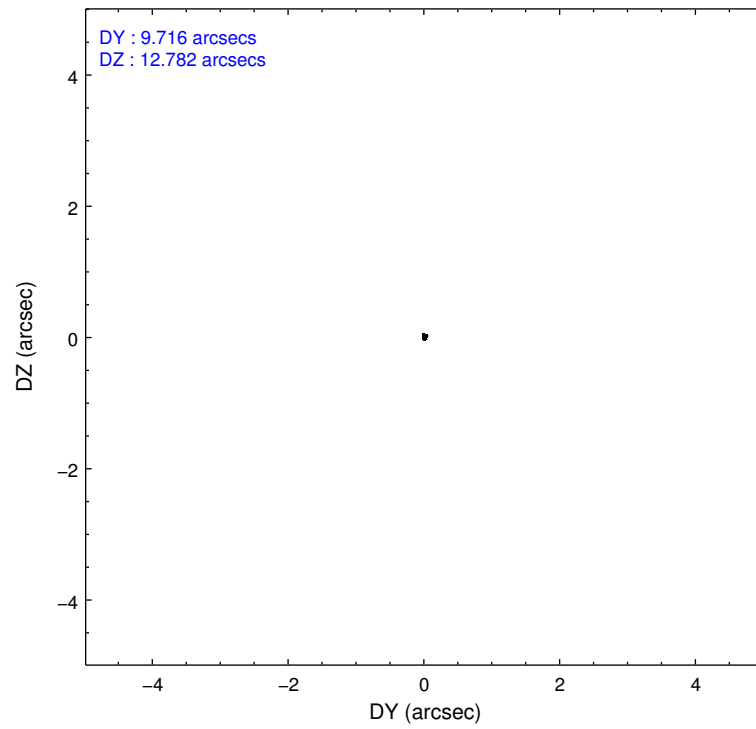
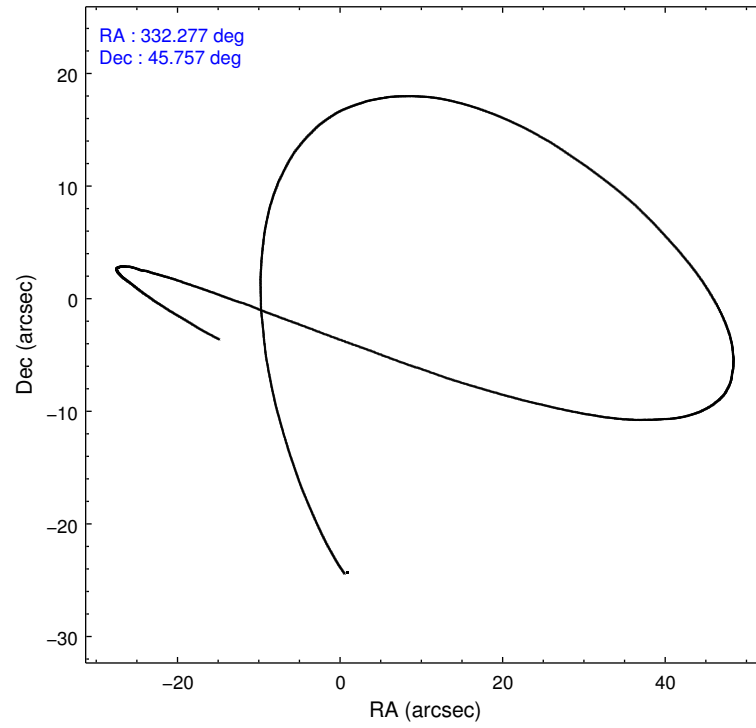
Level 1 Events

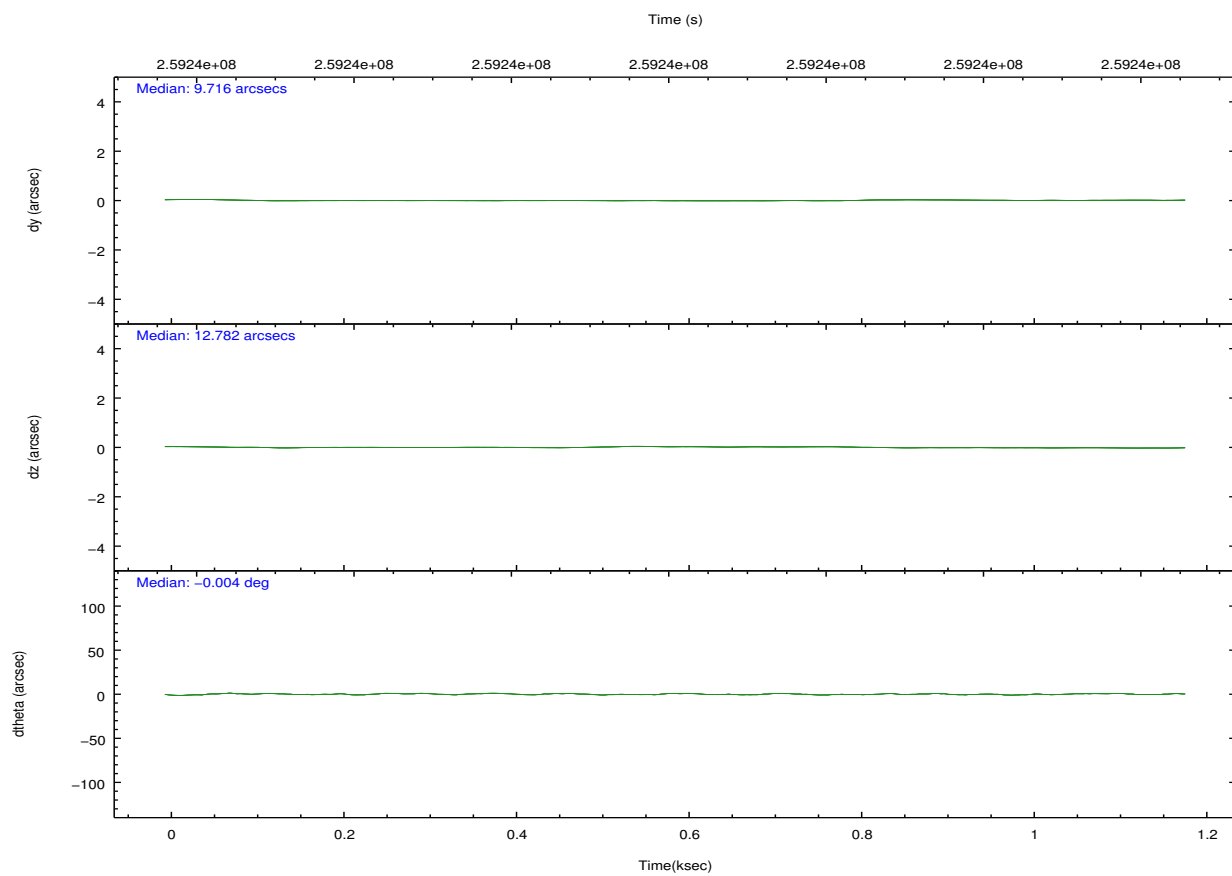
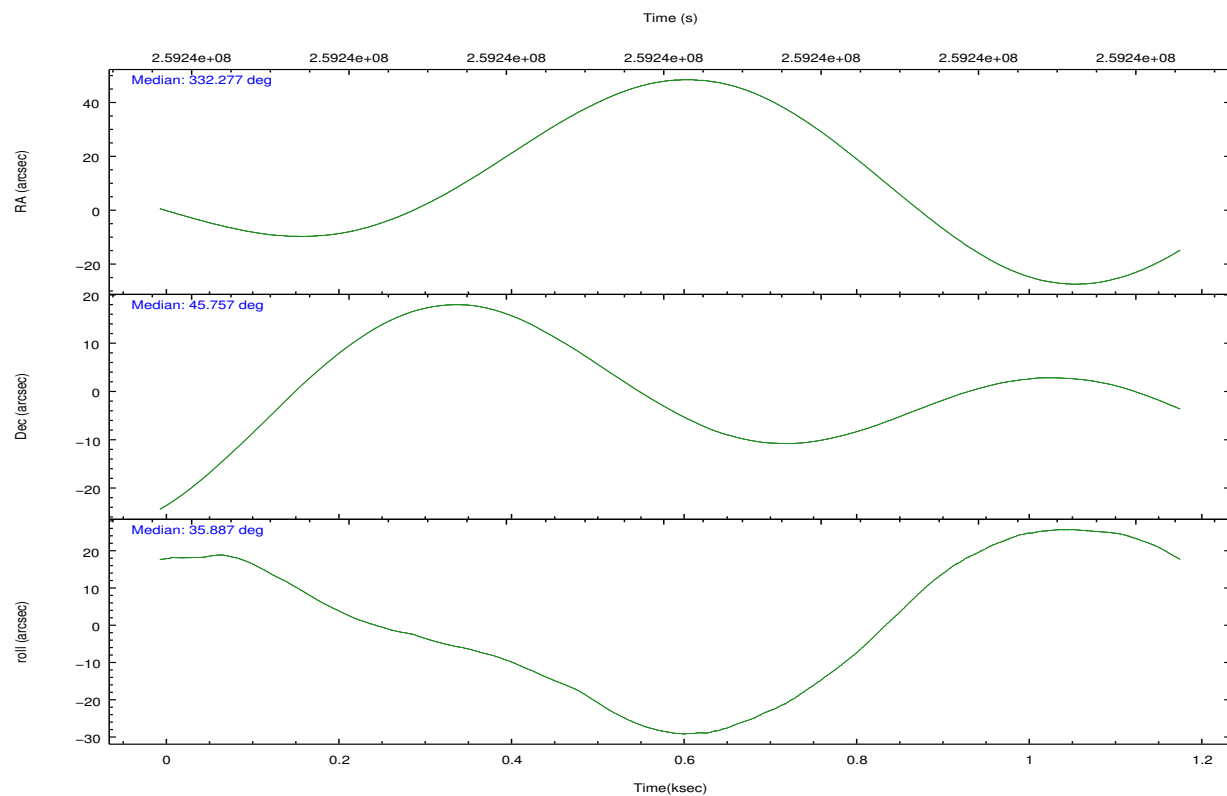
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	884	102040	836
rejected events	884	22667	827
rejected %	100%	22%	98%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.266091	332.2796632472			
[deg] Pointing Dec	45.730331	45.75752164670423			
[deg] Pointing Roll	35.833537	35.8911576031083			
[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)	259241599.184000	259241223.7307			
Observation start date	2006-03-20T11:32:14	2006-03-20T11:27:03			
[s] Observation end time (MET)	259242599.184000	259242733.55577			
Observation end date	2006-03-20T11:48:54	2006-03-20T11:52:13			

## 2.3 Aspect





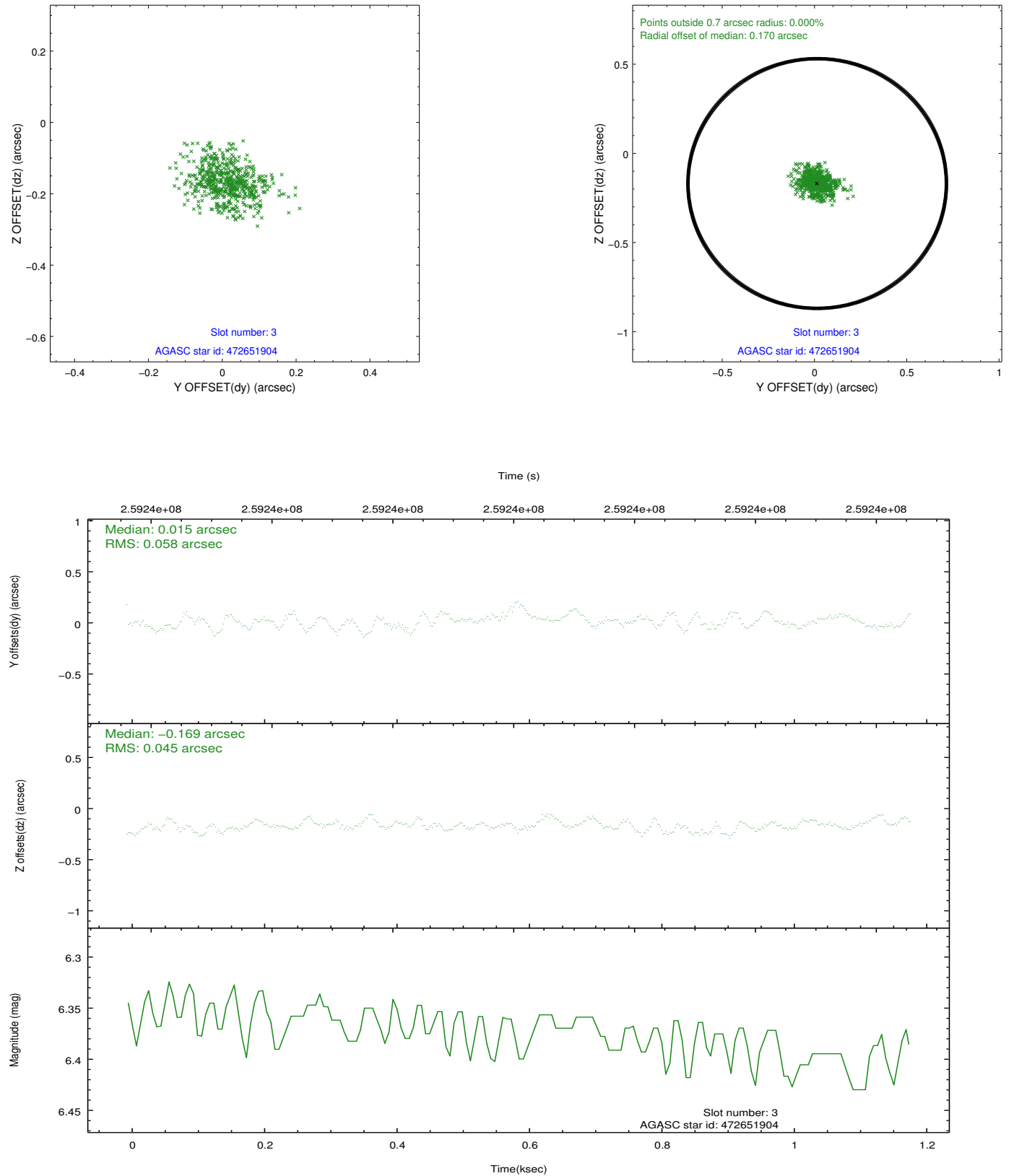
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.05	289	0.135	-0.141	0.006	0.010	0.000000	0.000000	-1163.91	-461.55
1	FID	HRC-S-2	7.04	289	0.134	-0.105	0.005	0.009	0.000000	0.000000	1231.72	-455.72
2	FID	HRC-S-3	7.05	289	0.120	-0.057	0.007	0.011	0.000000	0.000000	-1162.40	566.48
3	GUIDE	472651904	6.37	578	0.015	-0.169	0.078	0.125	332.170077	45.742257	-168.70	173.06
4	GUIDE	472654568	9.43	577	-0.050	0.148	0.097	0.172	332.194449	45.063576	-1551.35	-1842.34
5	GUIDE	472655152	9.43	577	0.207	-0.065	0.110	0.179	332.504239	45.862991	763.34	31.79
6	GUIDE	472665256	9.02	576	-0.119	-0.010	0.079	0.134	332.808125	46.195041	2080.09	566.06
7	GUIDE	472663080	9.42	574	-0.048	0.085	0.108	0.175	332.652741	46.473840	2350.64	1608.75

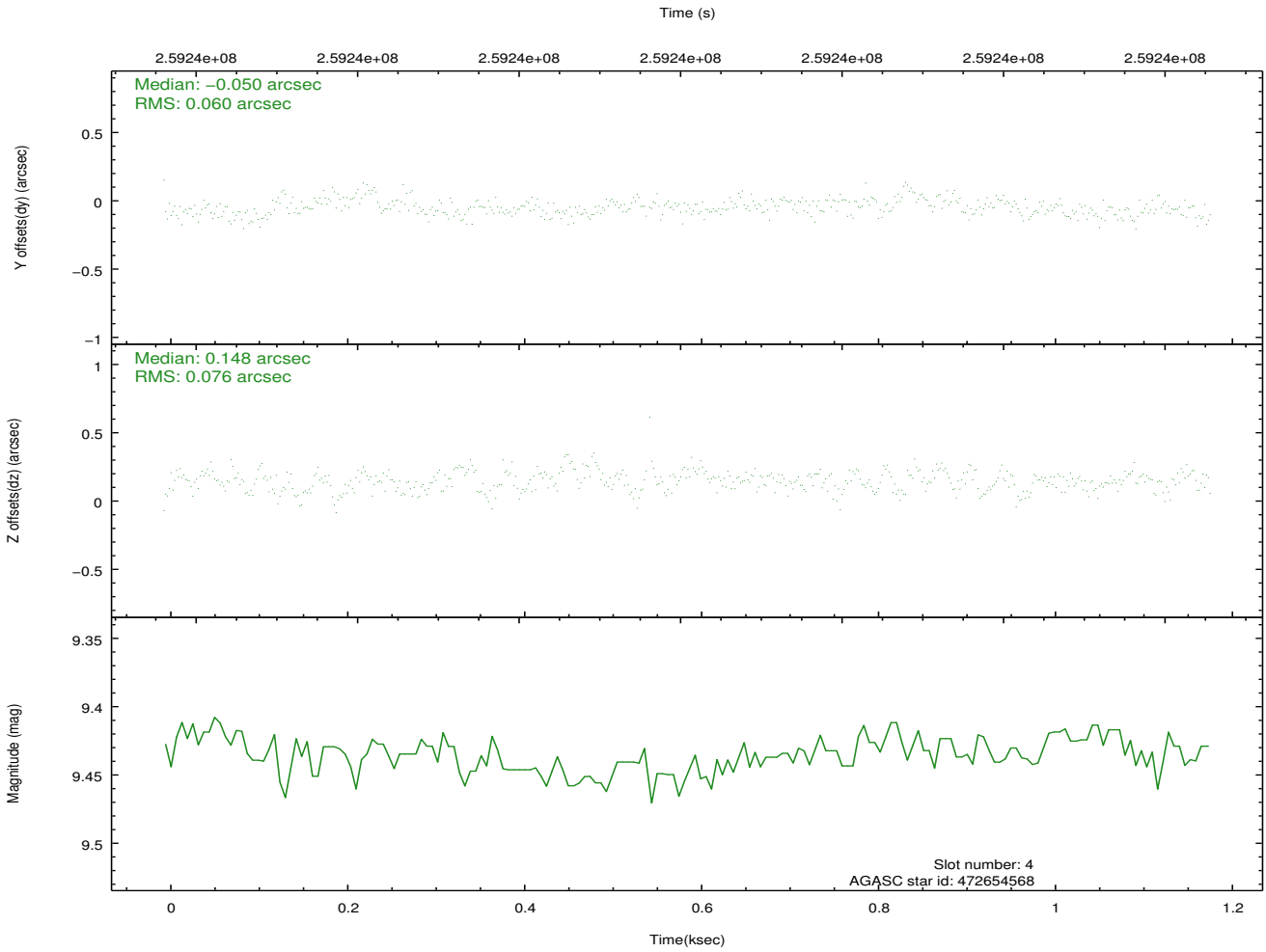
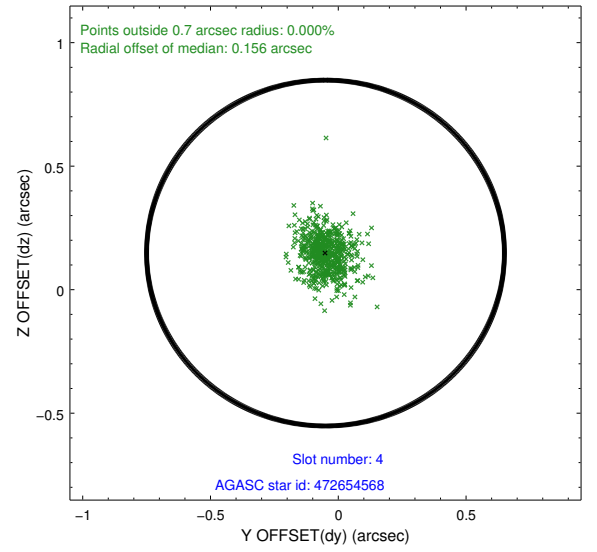
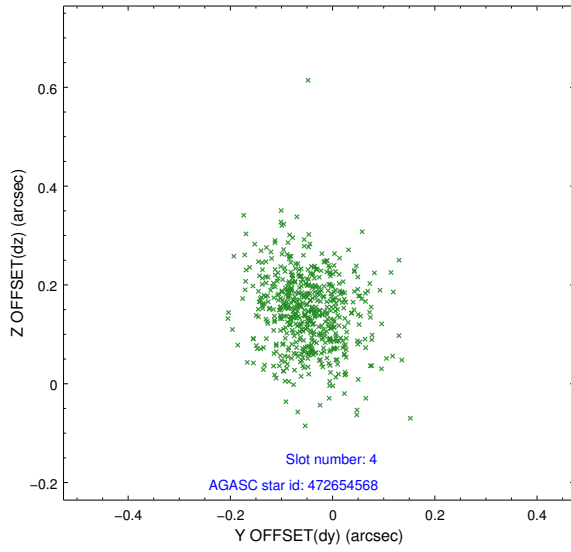


## 2.4 Star Slots

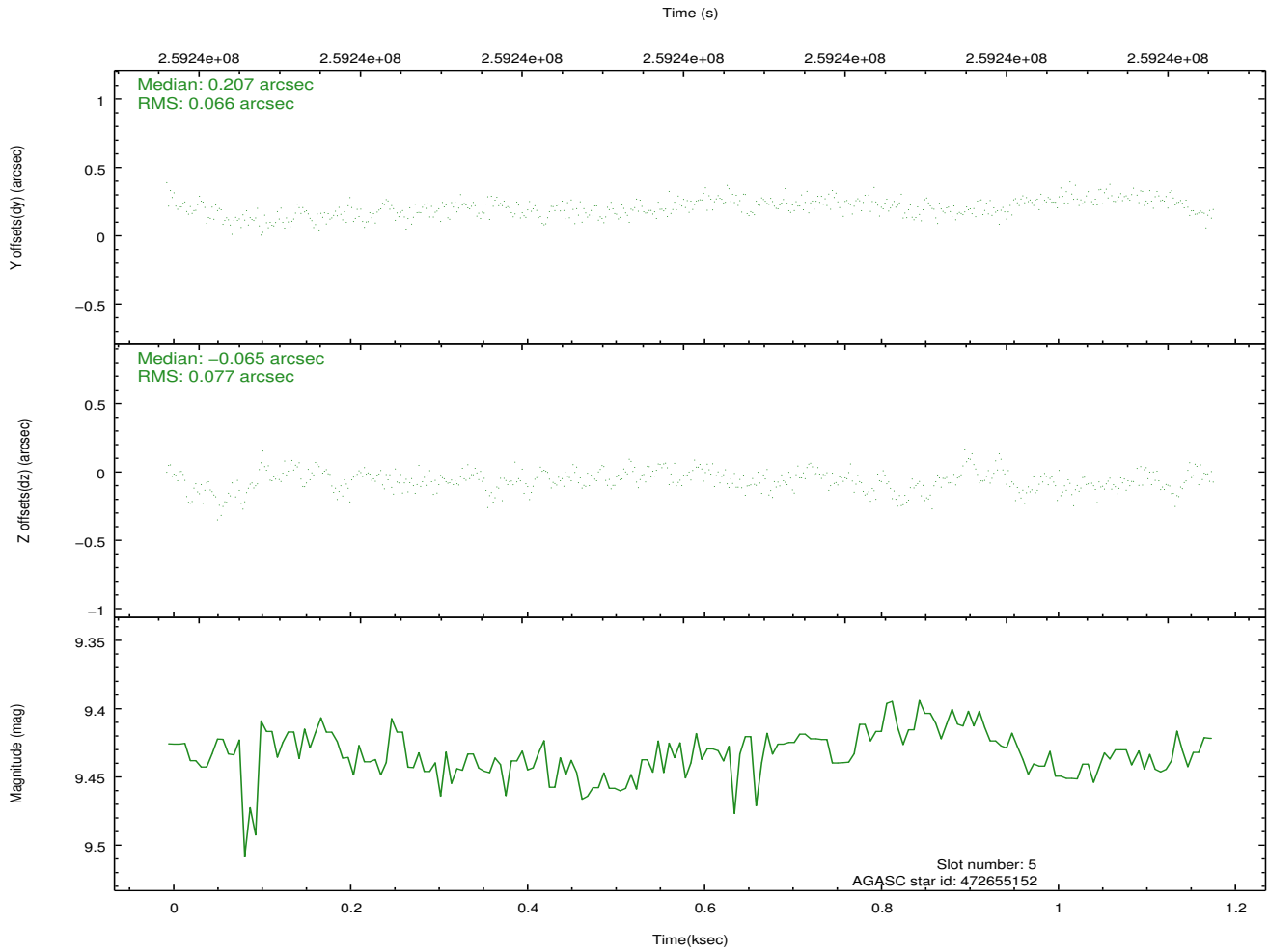
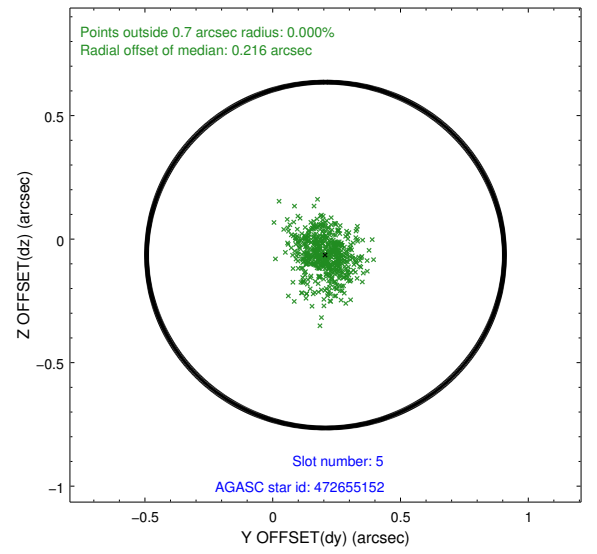
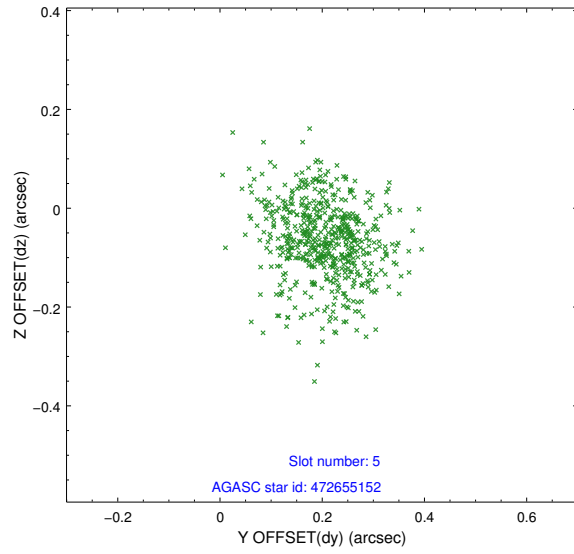
### 2.4.1 Slot 3



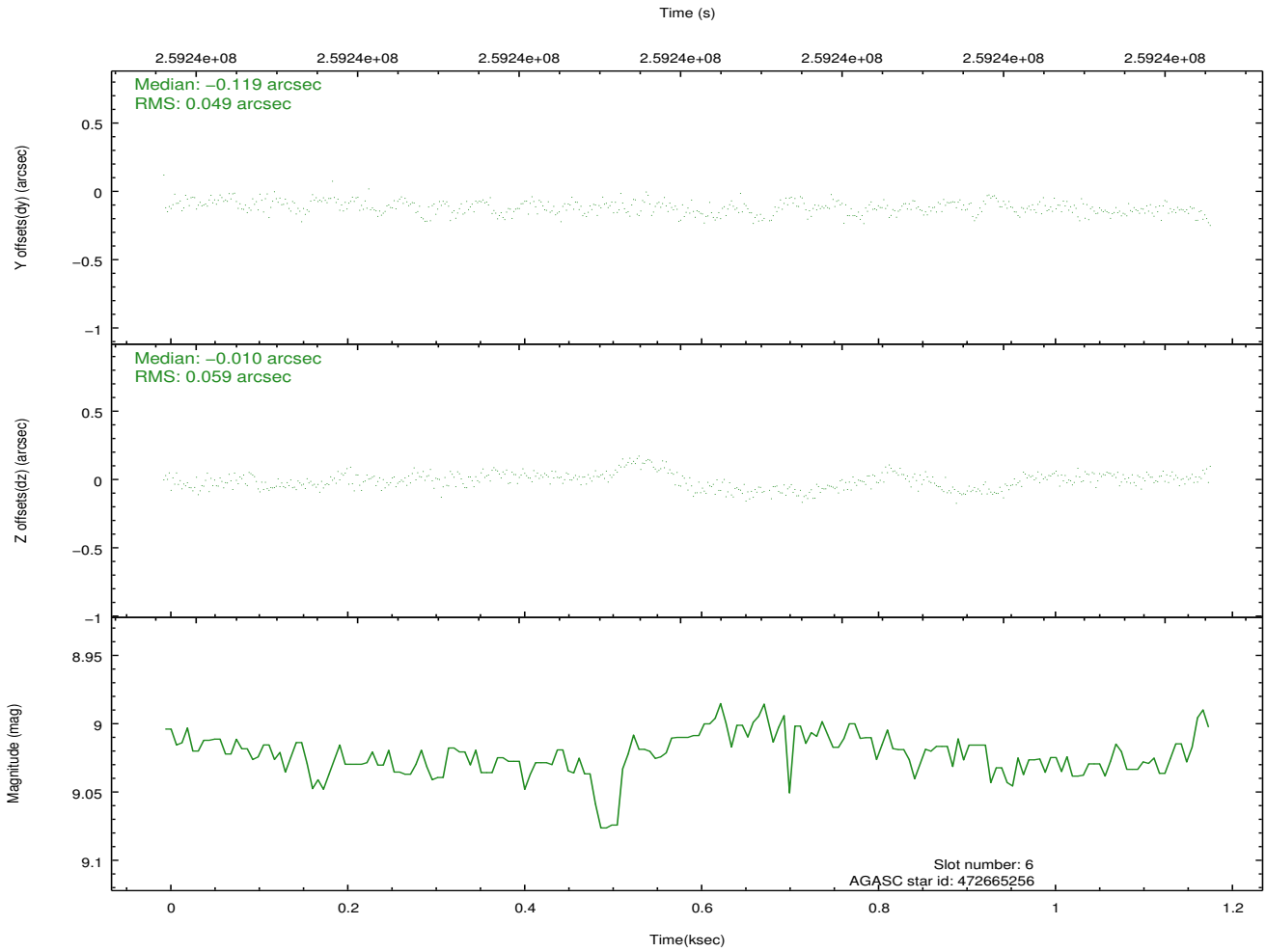
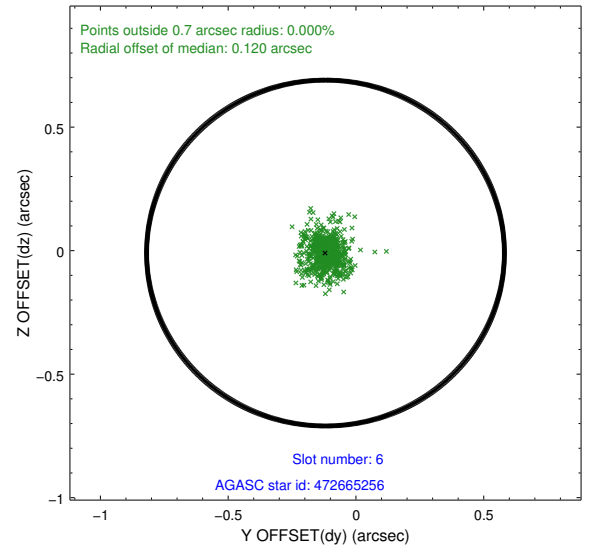
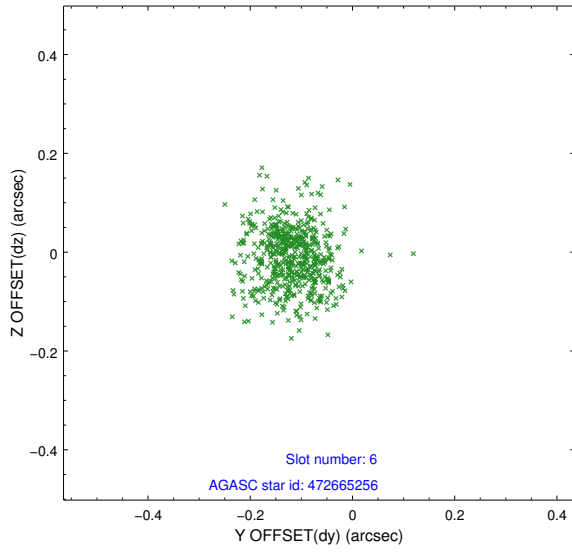
## 2.4.2 Slot 4



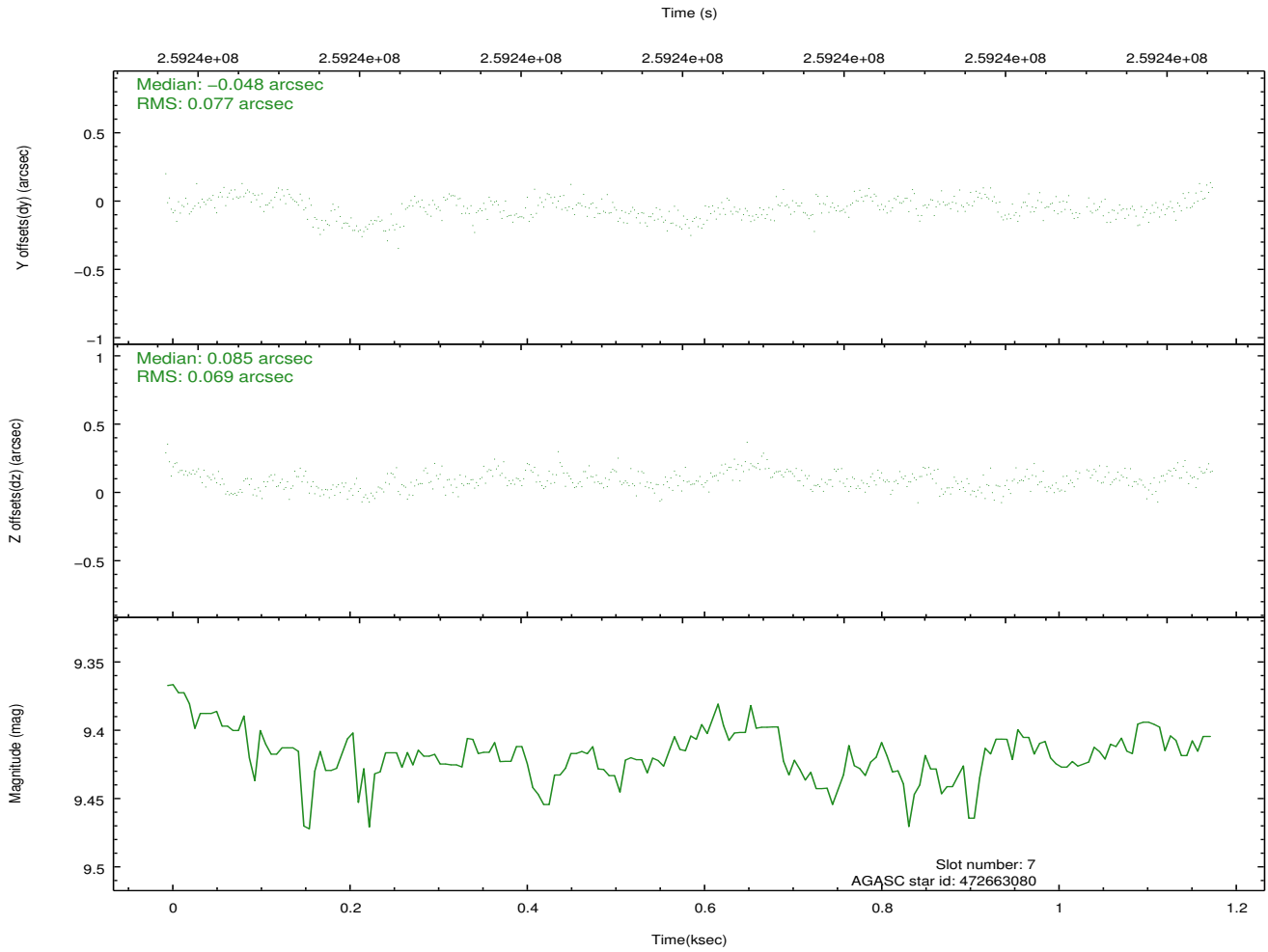
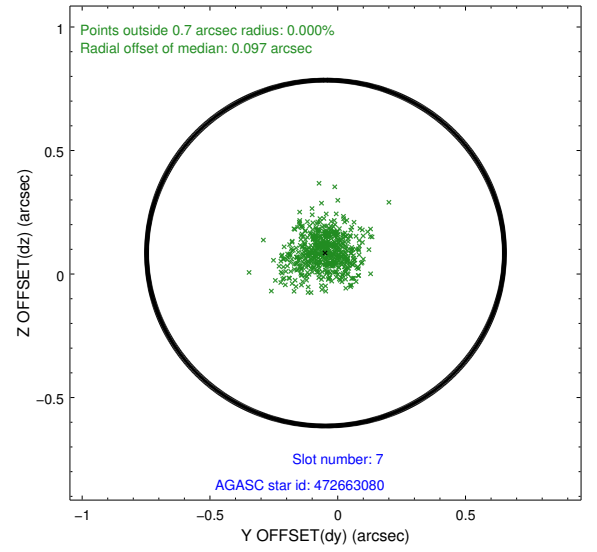
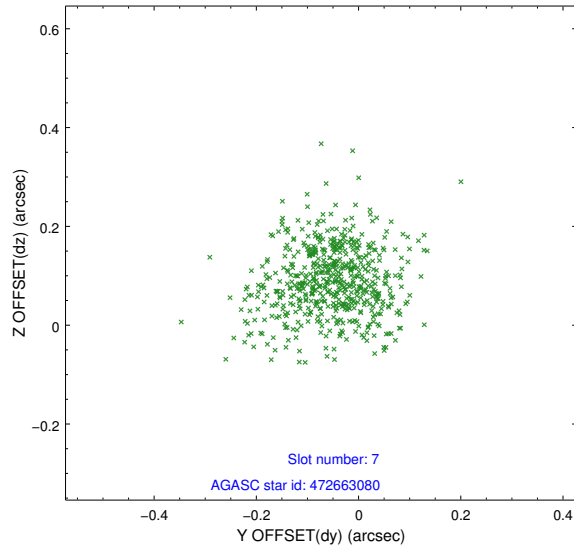
### 2.4.3 Slot 5



## 2.4.4 Slot 6

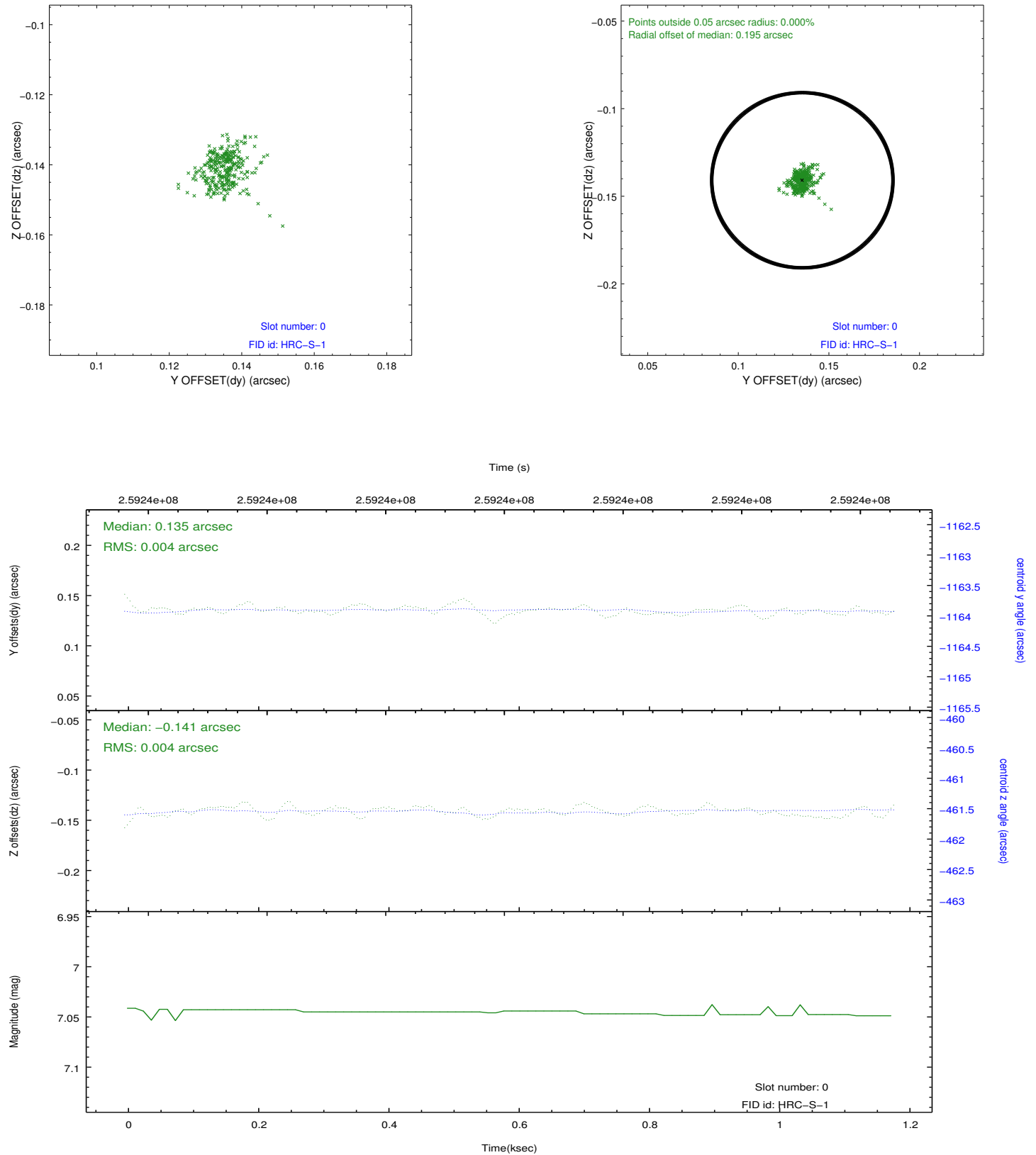


### 2.4.5 Slot 7

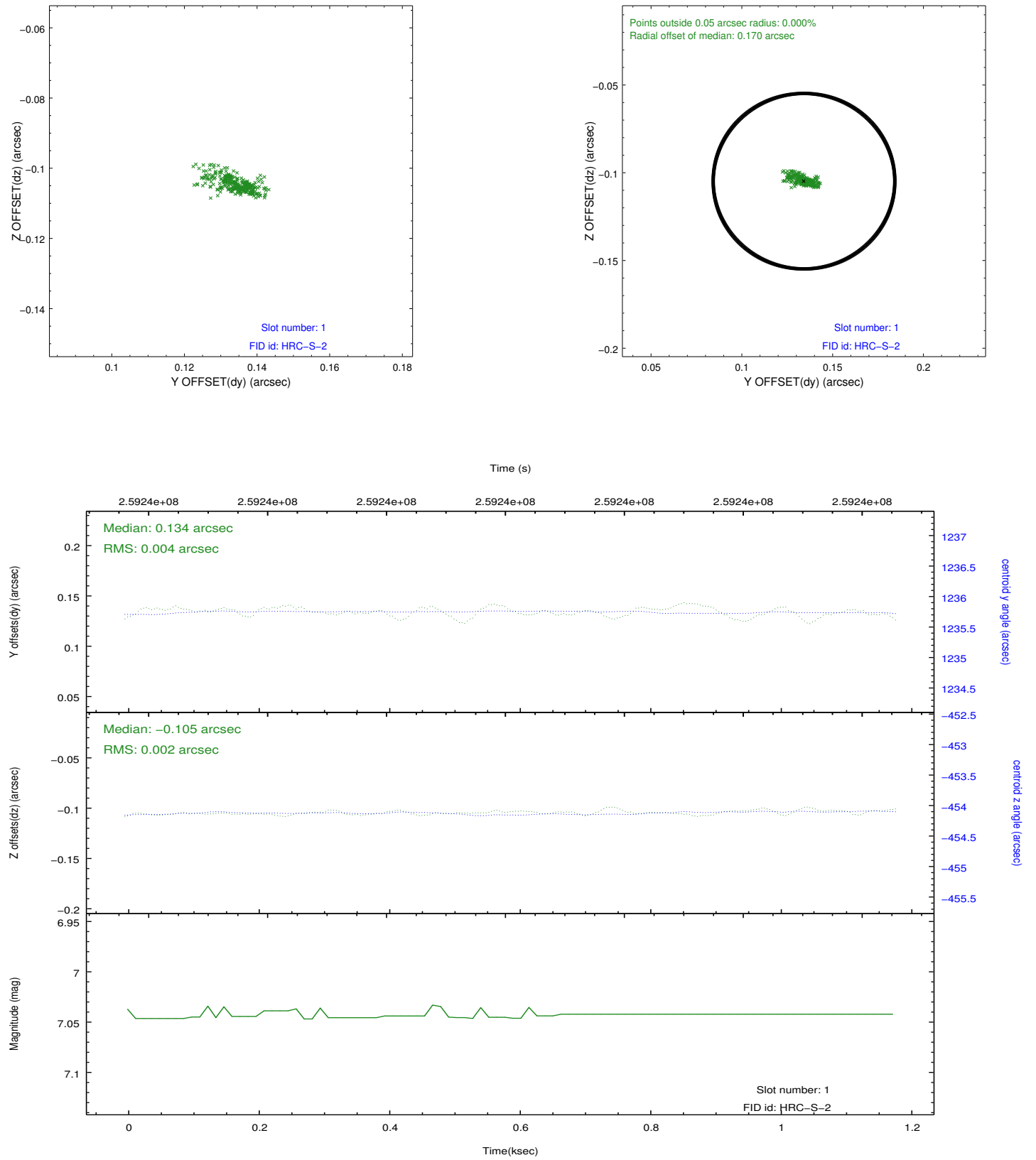


## 2.5 FID Slots

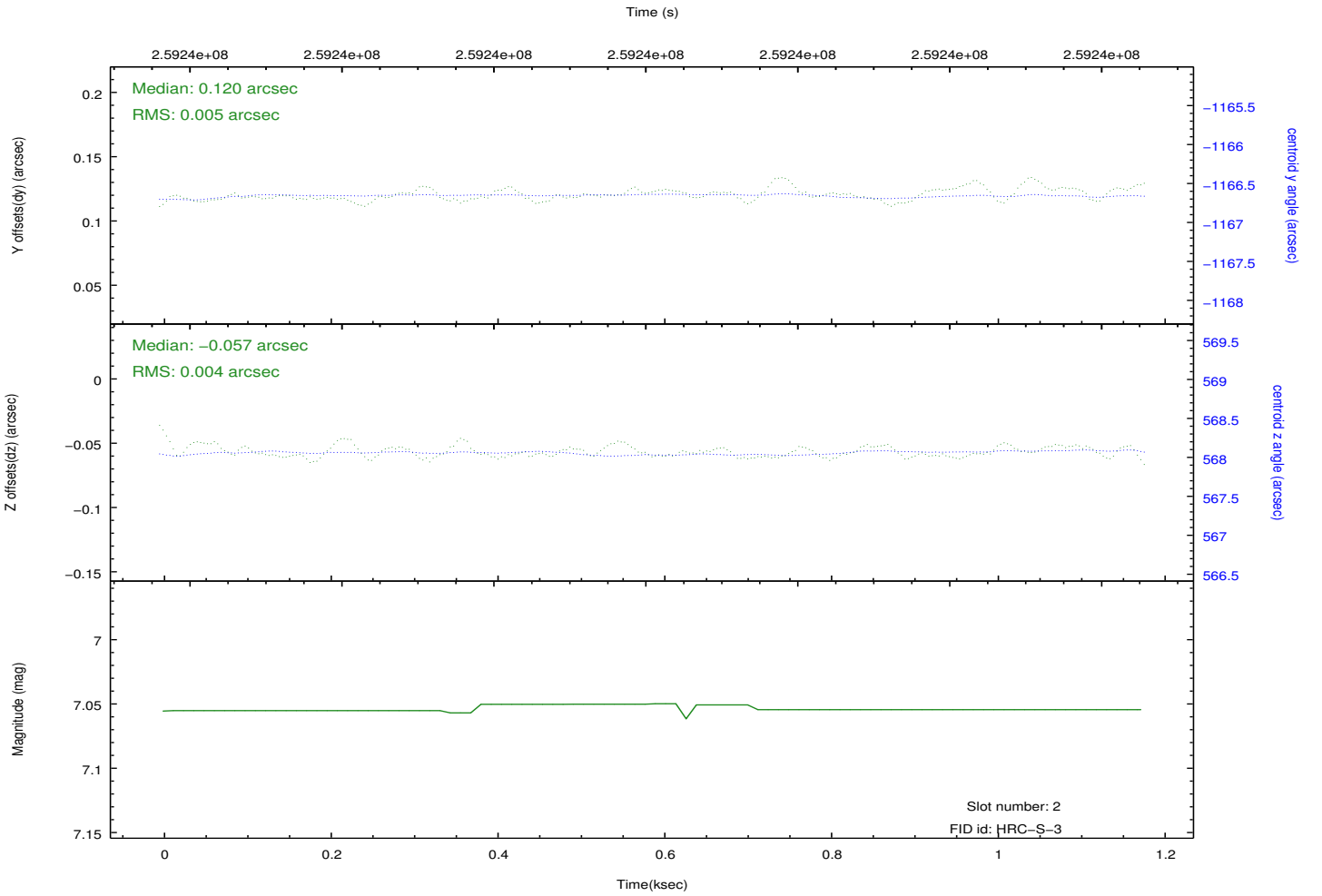
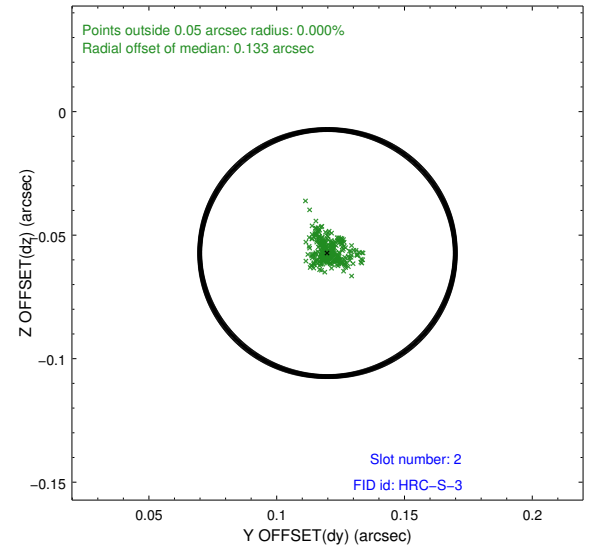
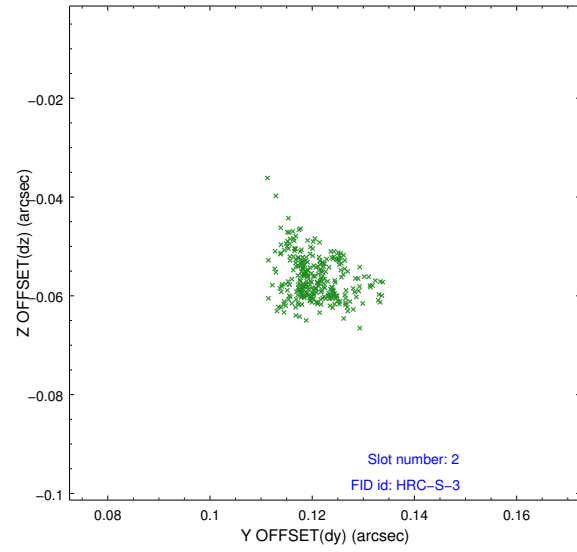
### 2.5.1 Slot 0



## 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)	2012.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1533813

### A.2 Comments