

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6491 - L2 Version 3  
Chandra X-Ray Center

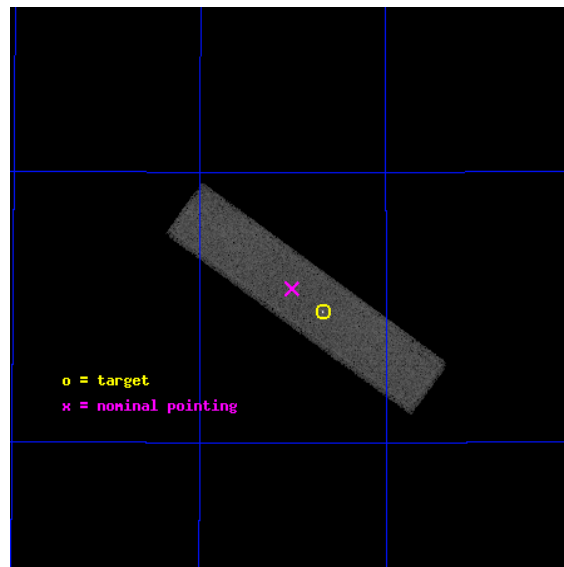
L2 Processing Date : Aug 11 2012

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# 1 Front

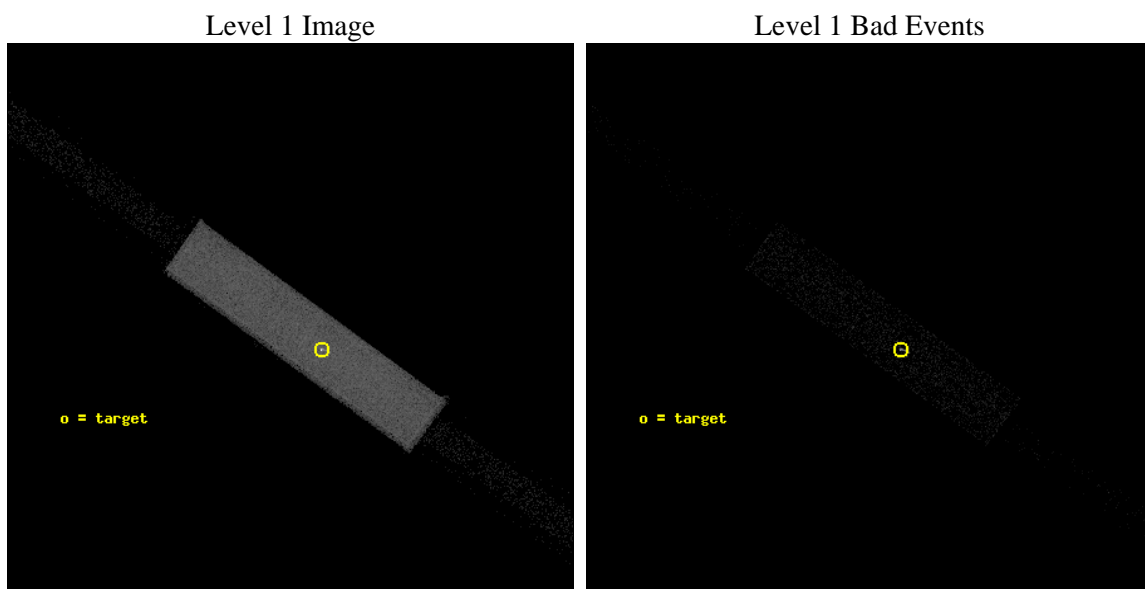
seq_num	290584	Sequence number
obs_id	6491	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.25279090816	Nominal RA [deg]
dec_nom	45.784921577922	Nominal Dec [deg]
roll_nom	35.933162846421	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1151.3313035965	[s]
livetime	1140.880205274	Ontime multiplied by DTCOR
l2events	76743	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	1151.3313035965	[s]
caldbver	4.5.1.1	&#160	l1events	117358	Number of level 1 events
date	2012-08-11T05:06:09	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

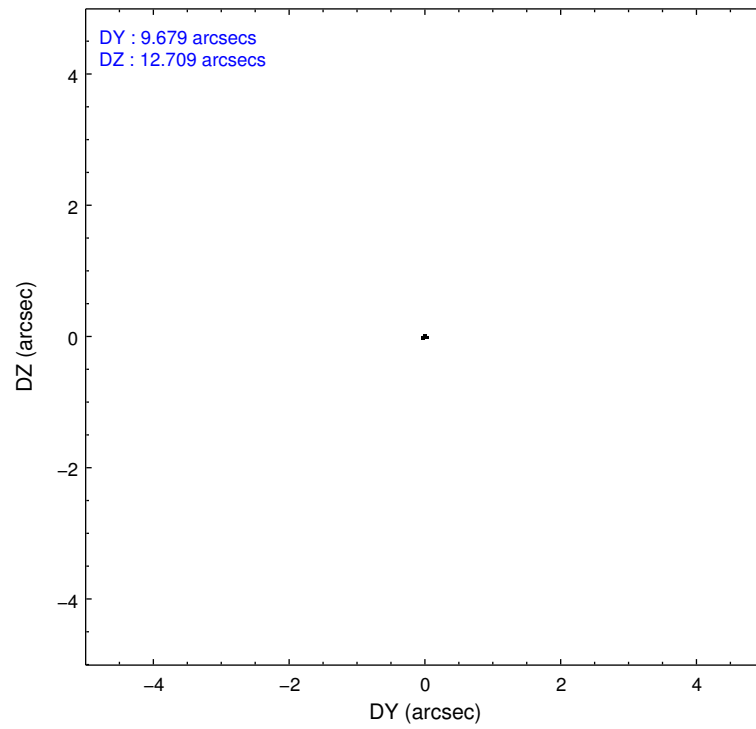
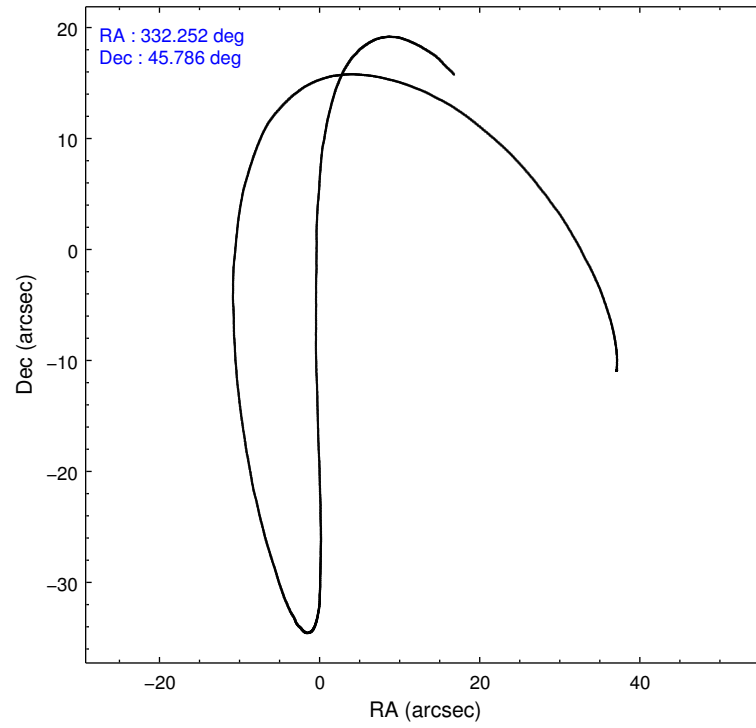
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1340	114753	1265
rejected events	1340	24904	1265
rejected %	100%	21%	100%

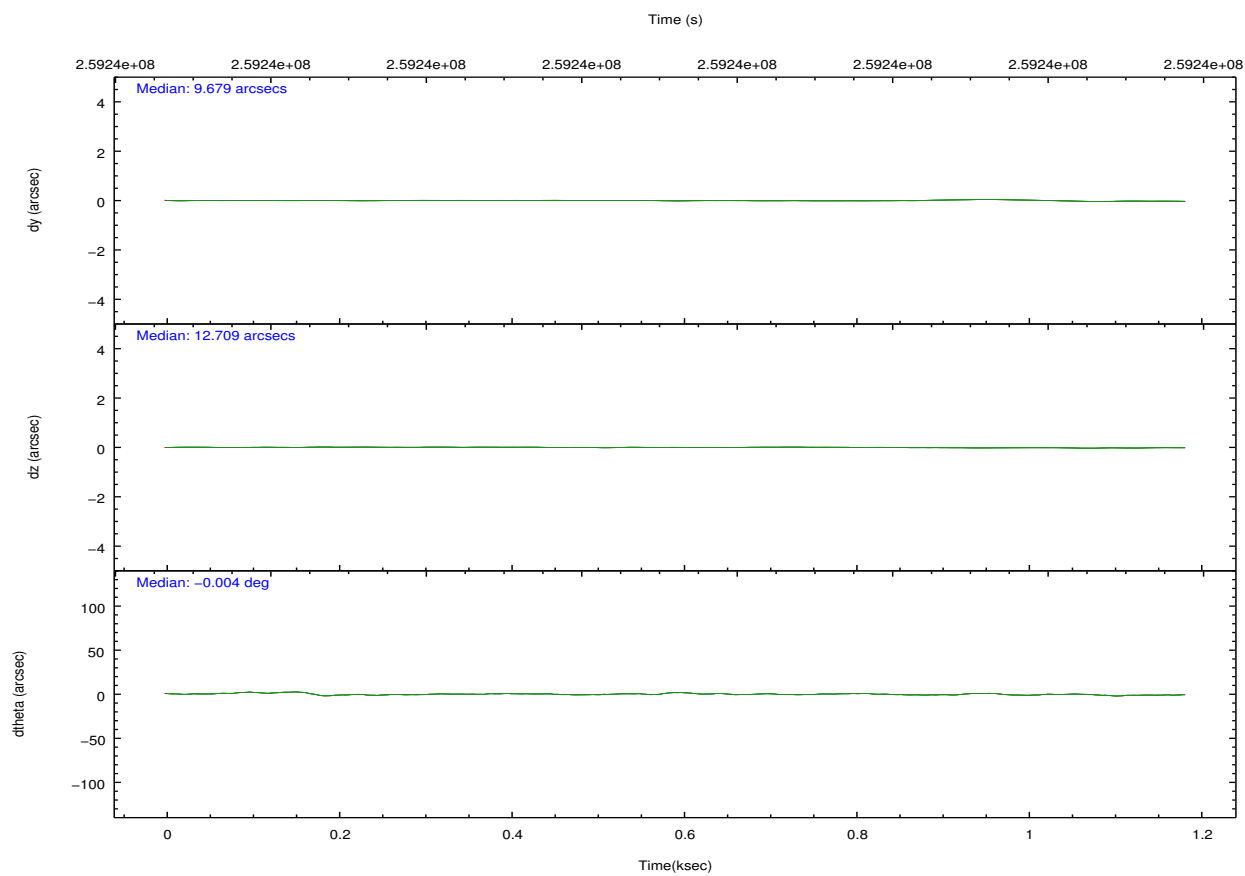
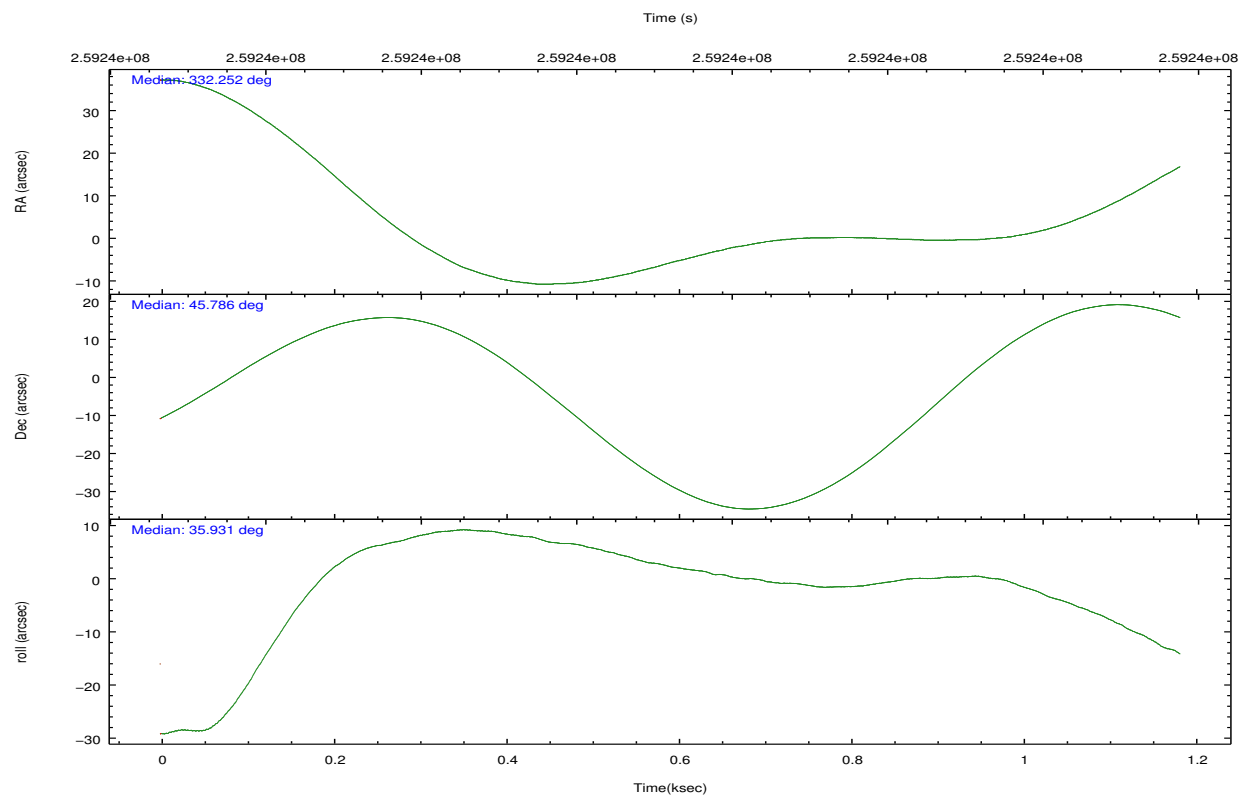
## 2.2 Compared Parameters

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	332.238108	332.252790908155
[deg] Pointing Dec	45.757363	45.78492157792154
[deg] Pointing Roll	35.876333	35.93316284642064
[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)	259243109.184000	259242733.55577
Observation start date	2006-03-20T11:57:24	2006-03-20T11:52:13
[s] Observation end time (MET)	259244109.184000	259244243.38084
Observation end date	2006-03-20T12:14:04	2006-03-20T12:17:23

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

## 2.3 Aspect





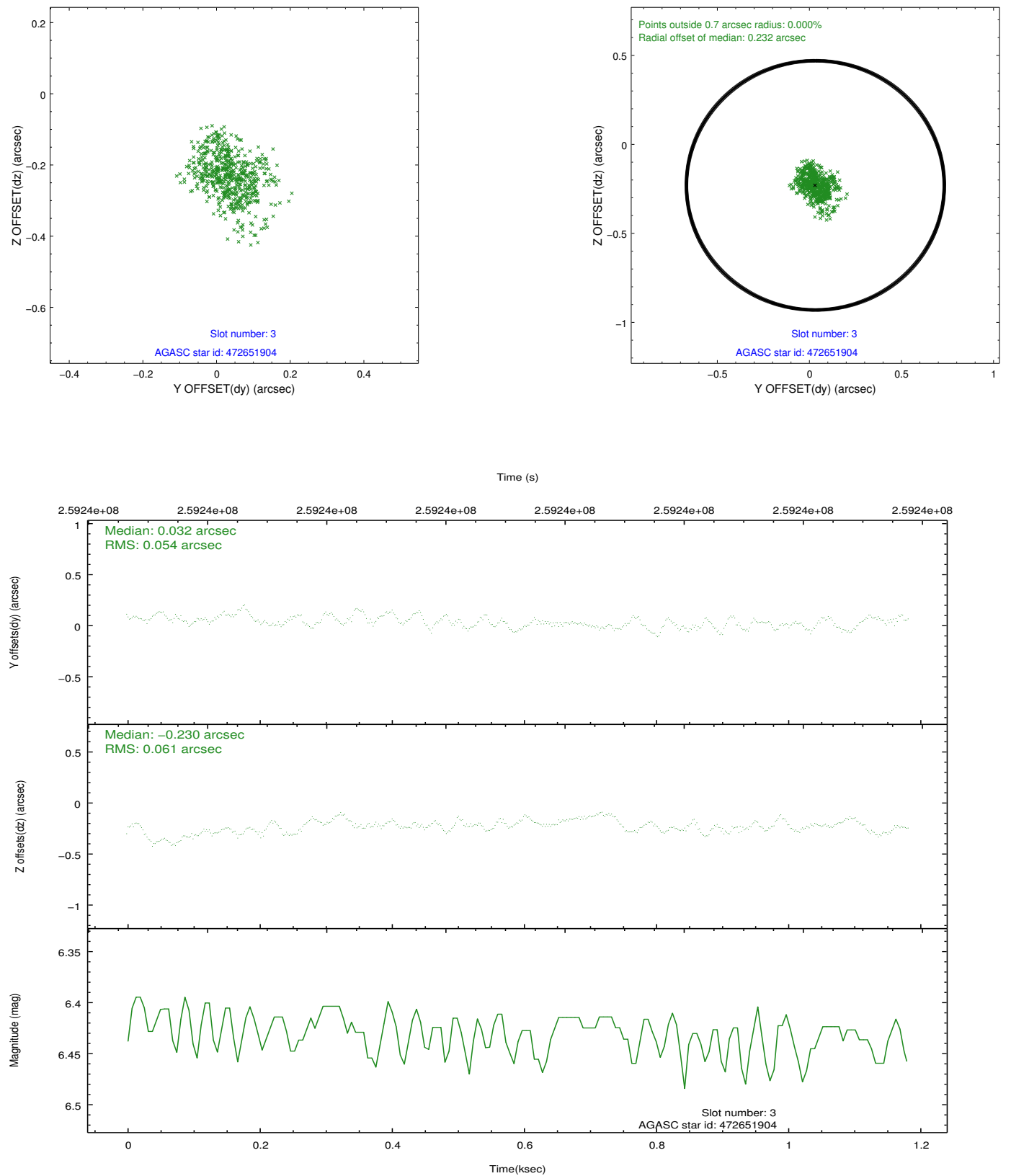
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.05	289	0.138	-0.140	0.010	0.016	0.000000	0.000000	-1163.86	-461.47
1	FID	HRC-S-2	7.04	289	0.131	-0.104	0.006	0.011	0.000000	0.000000	1231.76	-455.64
2	FID	HRC-S-3	7.05	289	0.121	-0.057	0.010	0.016	0.000000	0.000000	-1162.35	566.56
3	GUIDE	472651904	6.43	578	0.032	-0.230	0.088	0.147	332.170077	45.742257	-171.67	53.62
4	GUIDE	472654568	9.43	577	-0.026	0.106	0.107	0.171	332.194449	45.063576	-1555.20	-1961.37
5	GUIDE	472655152	9.43	577	0.201	0.187	0.108	0.244	332.504239	45.862991	760.33	-87.92
6	GUIDE	472665256	9.02	578	-0.124	-0.064	0.083	0.133	332.808125	46.195041	2077.20	445.55
7	GUIDE	472663080	9.42	577	-0.088	-0.033	0.111	0.179	332.652741	46.473840	2348.33	1487.90

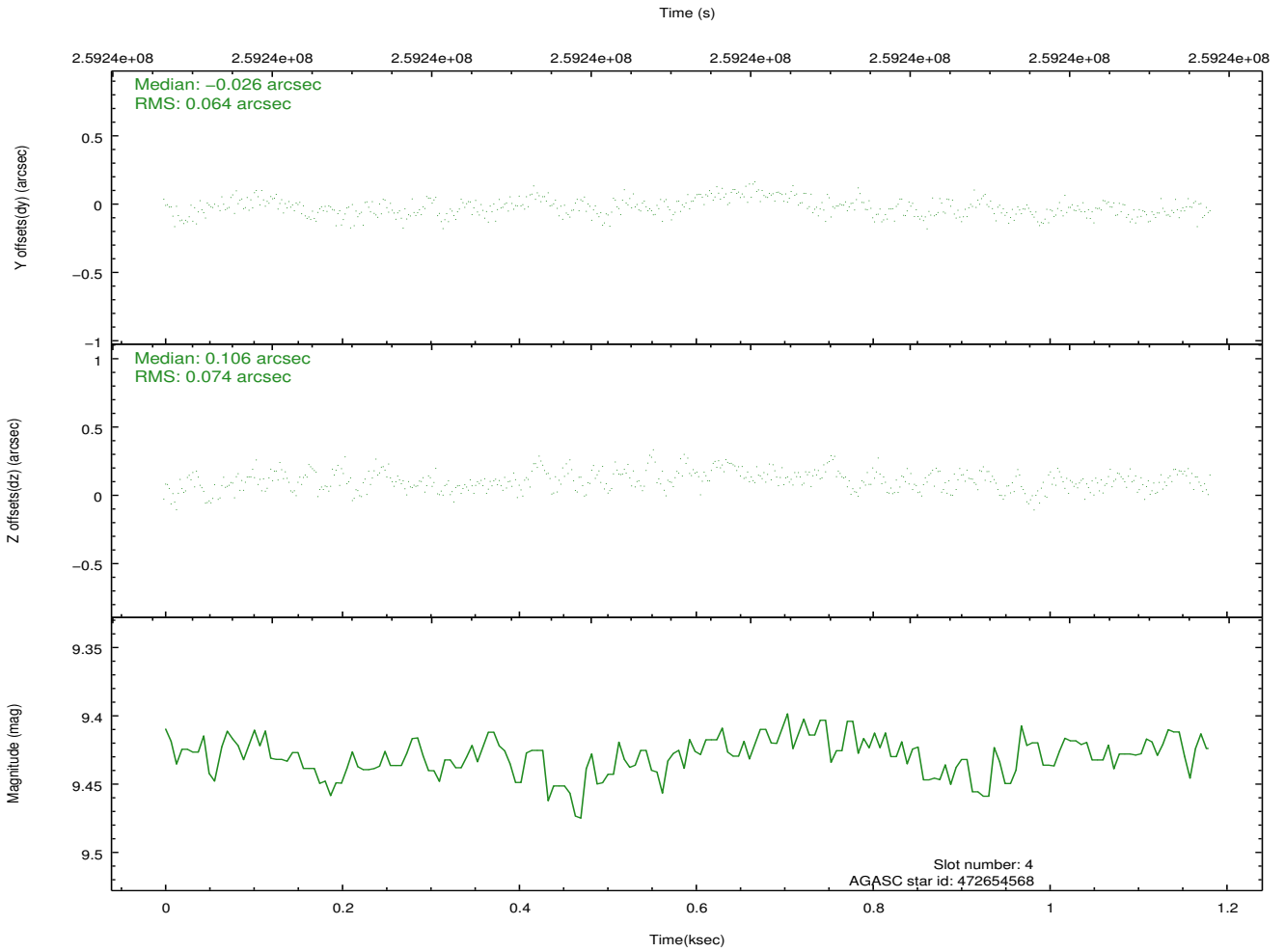
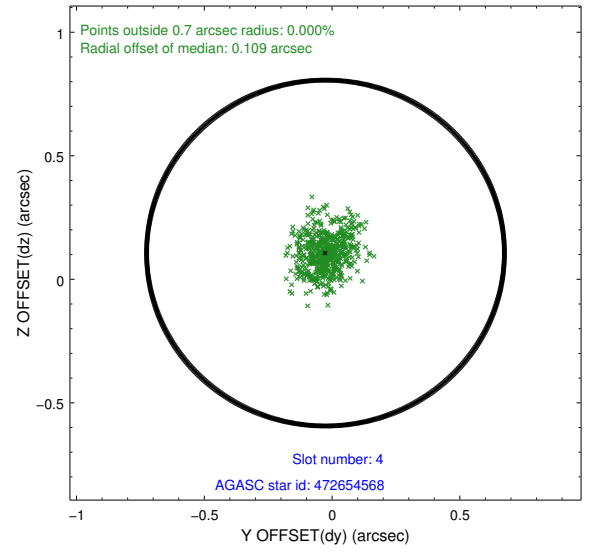
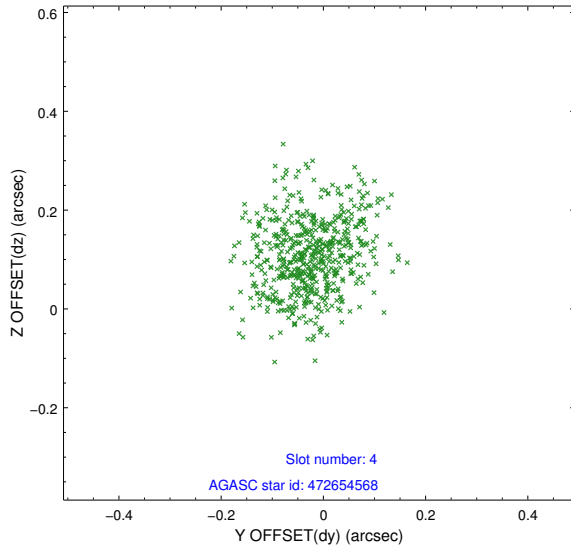


## 2.4 Star Slots

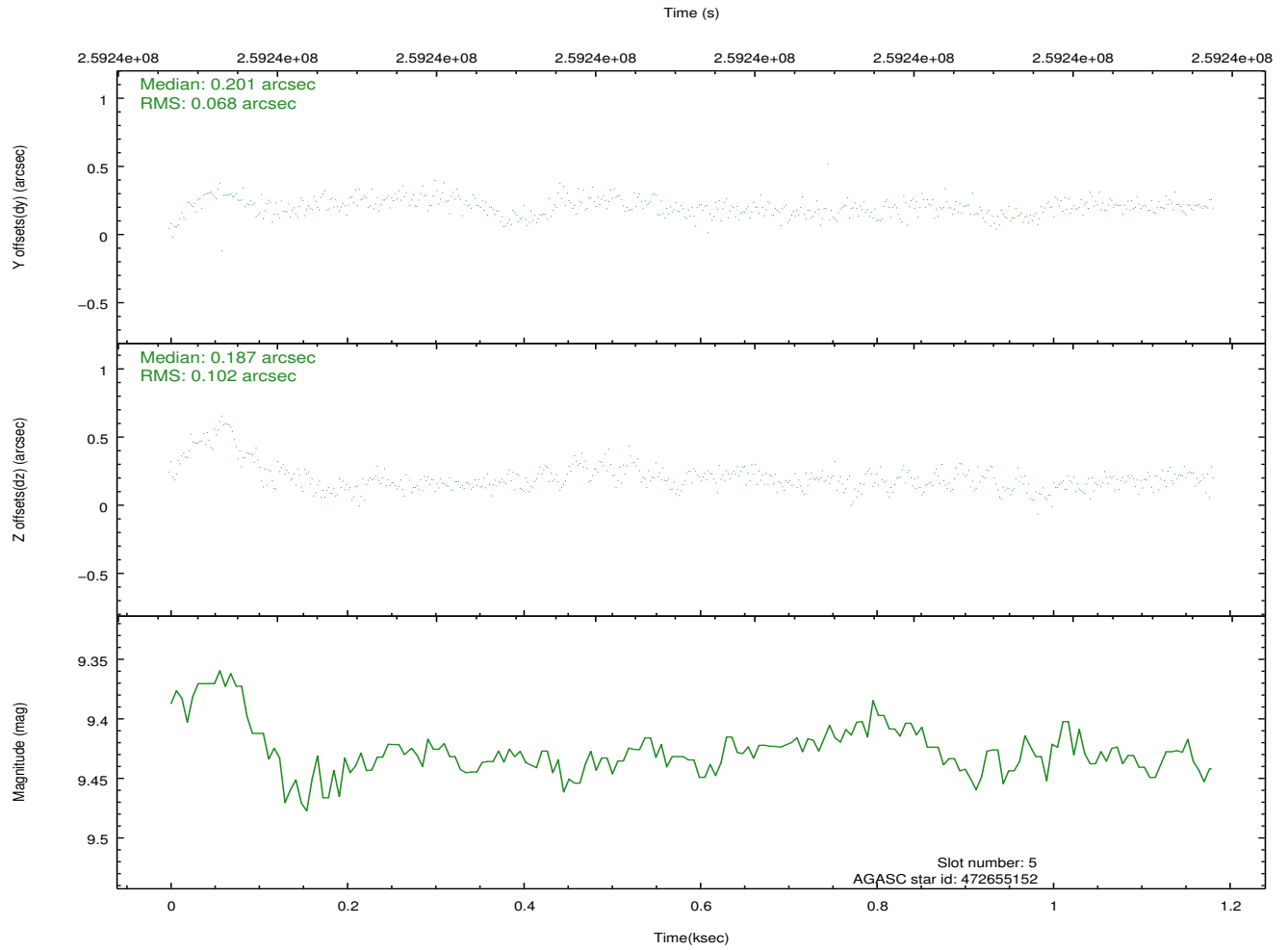
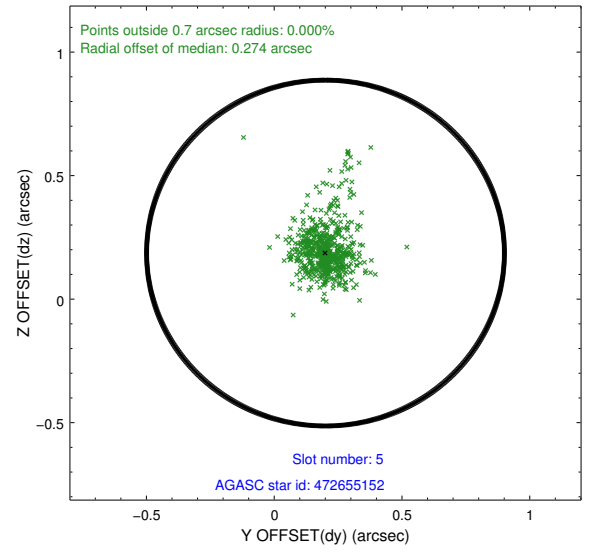
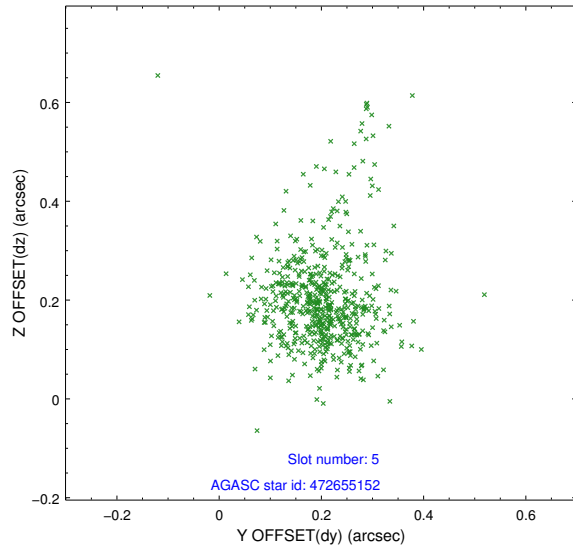
### 2.4.1 Slot 3



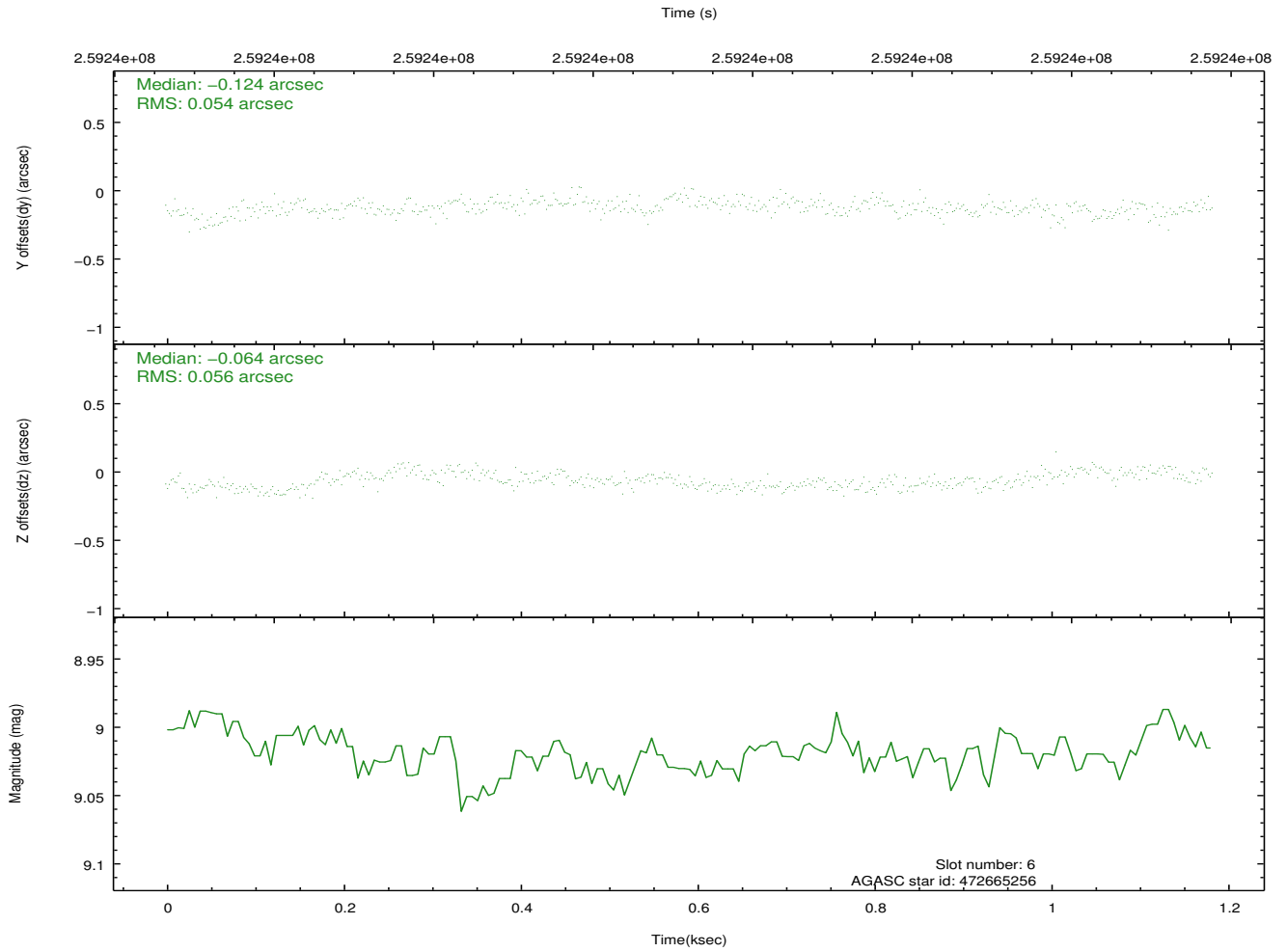
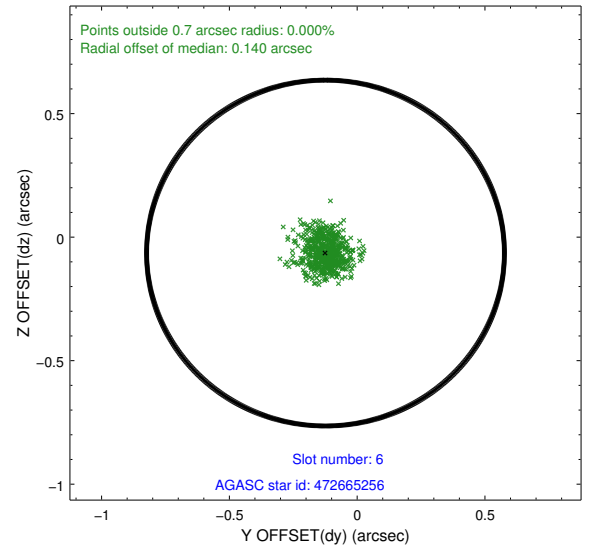
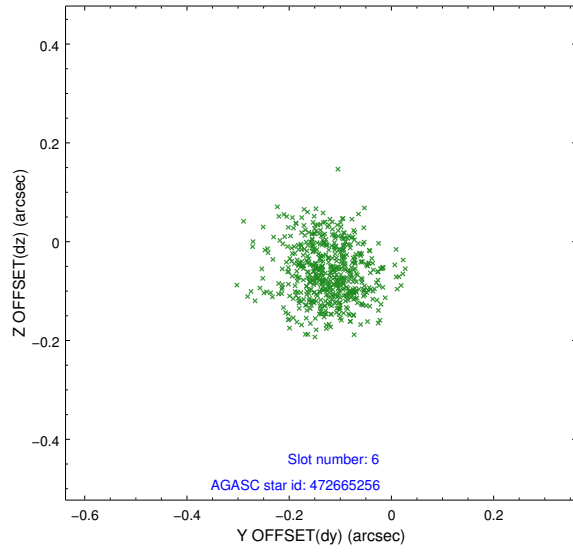
### 2.4.2 Slot 4



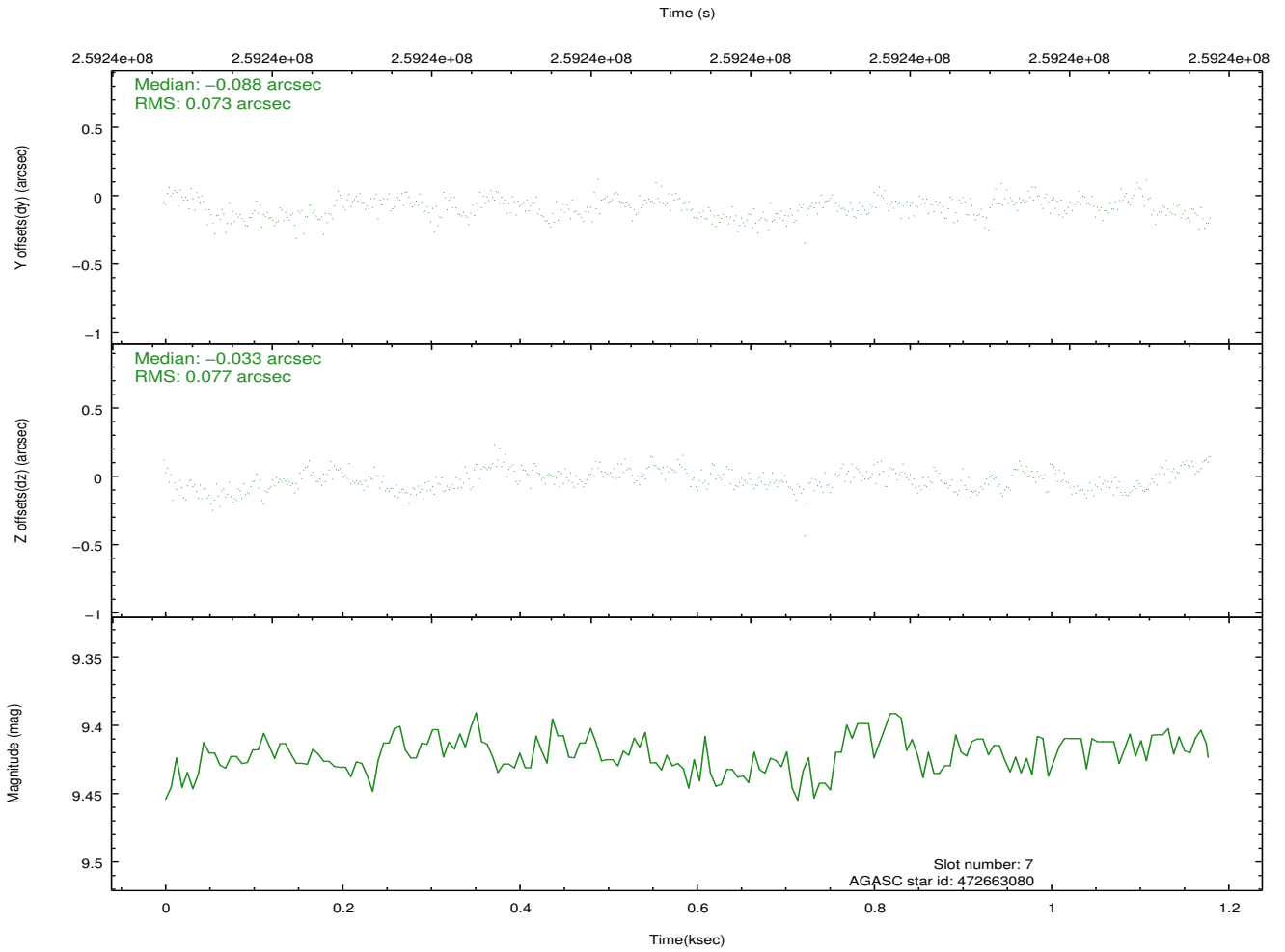
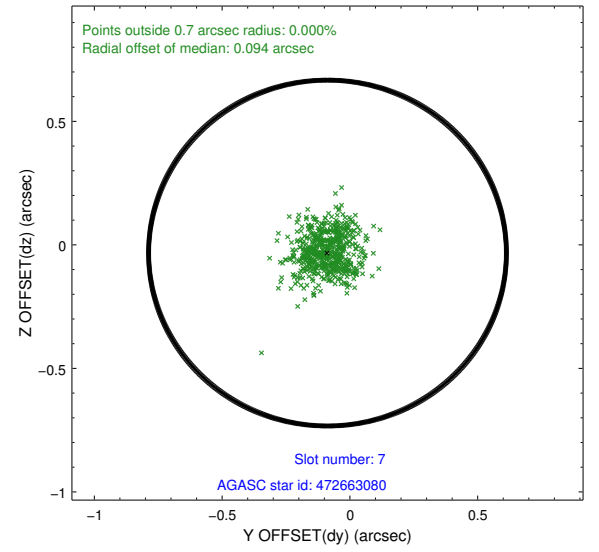
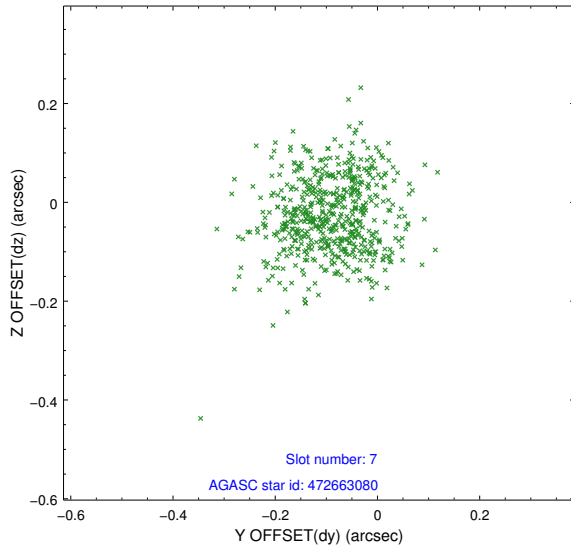
### 2.4.3 Slot 5



## 2.4.4 Slot 6

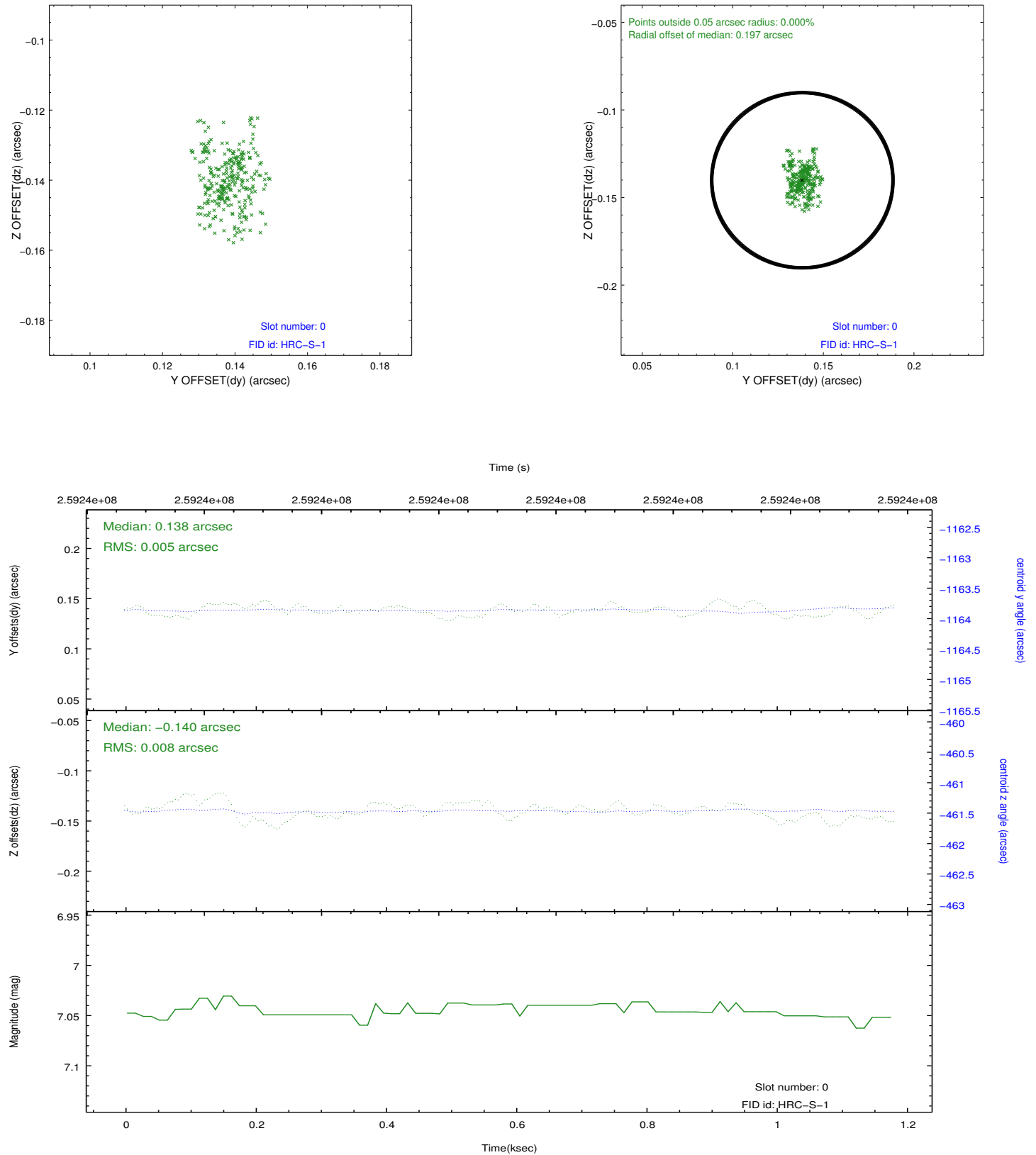


## 2.4.5 Slot 7

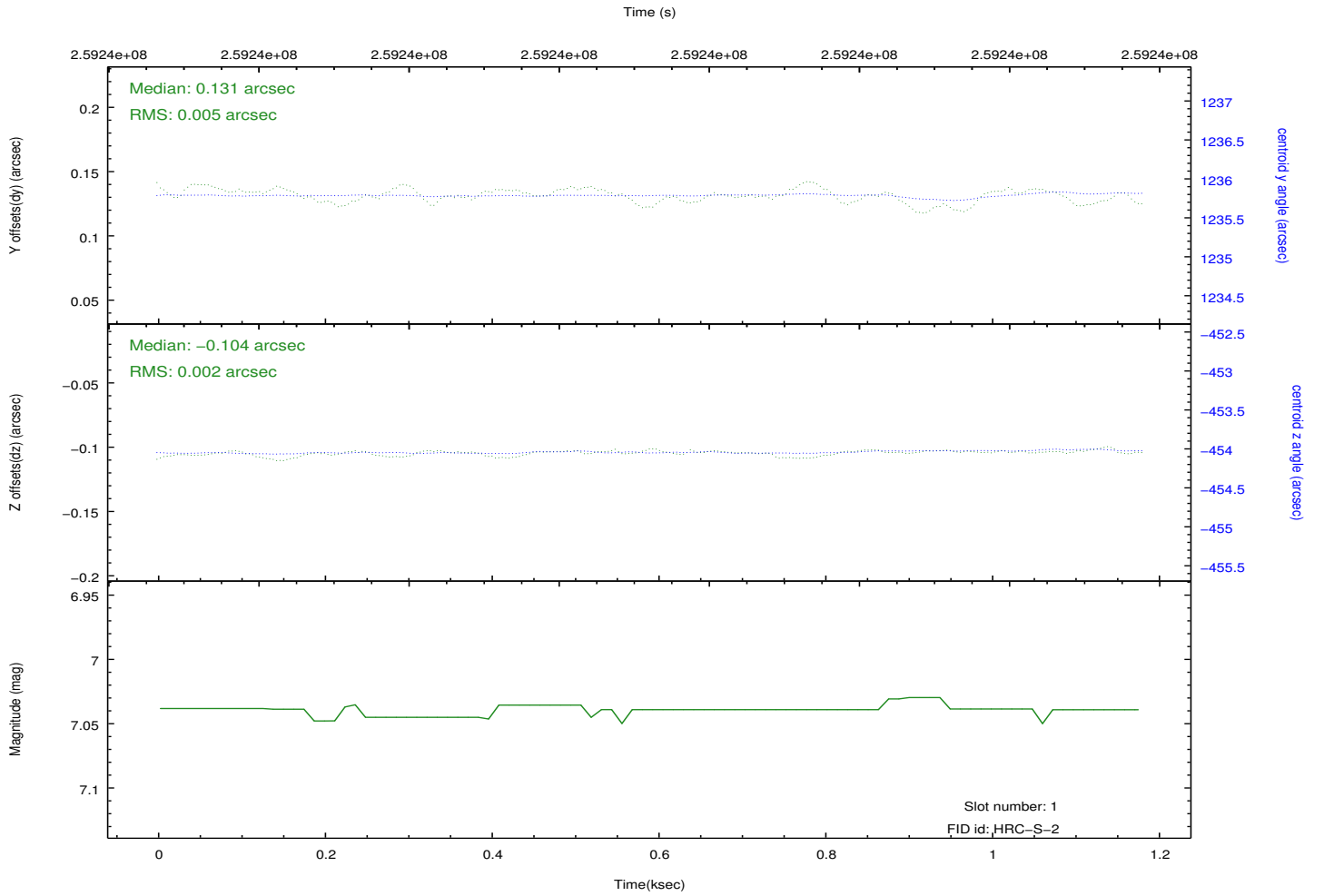
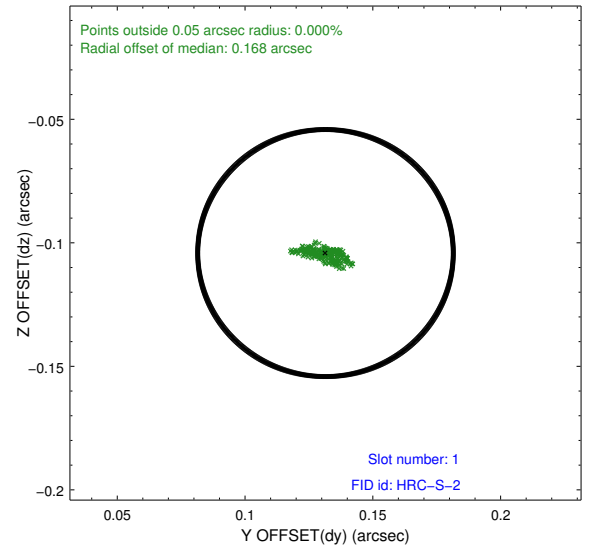
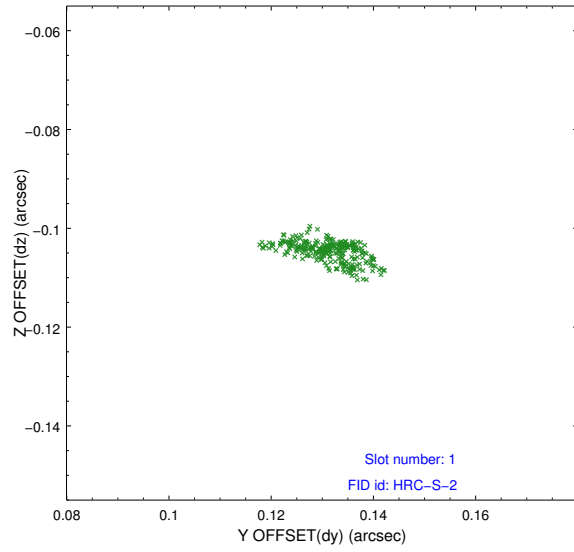


## 2.5 FID Slots

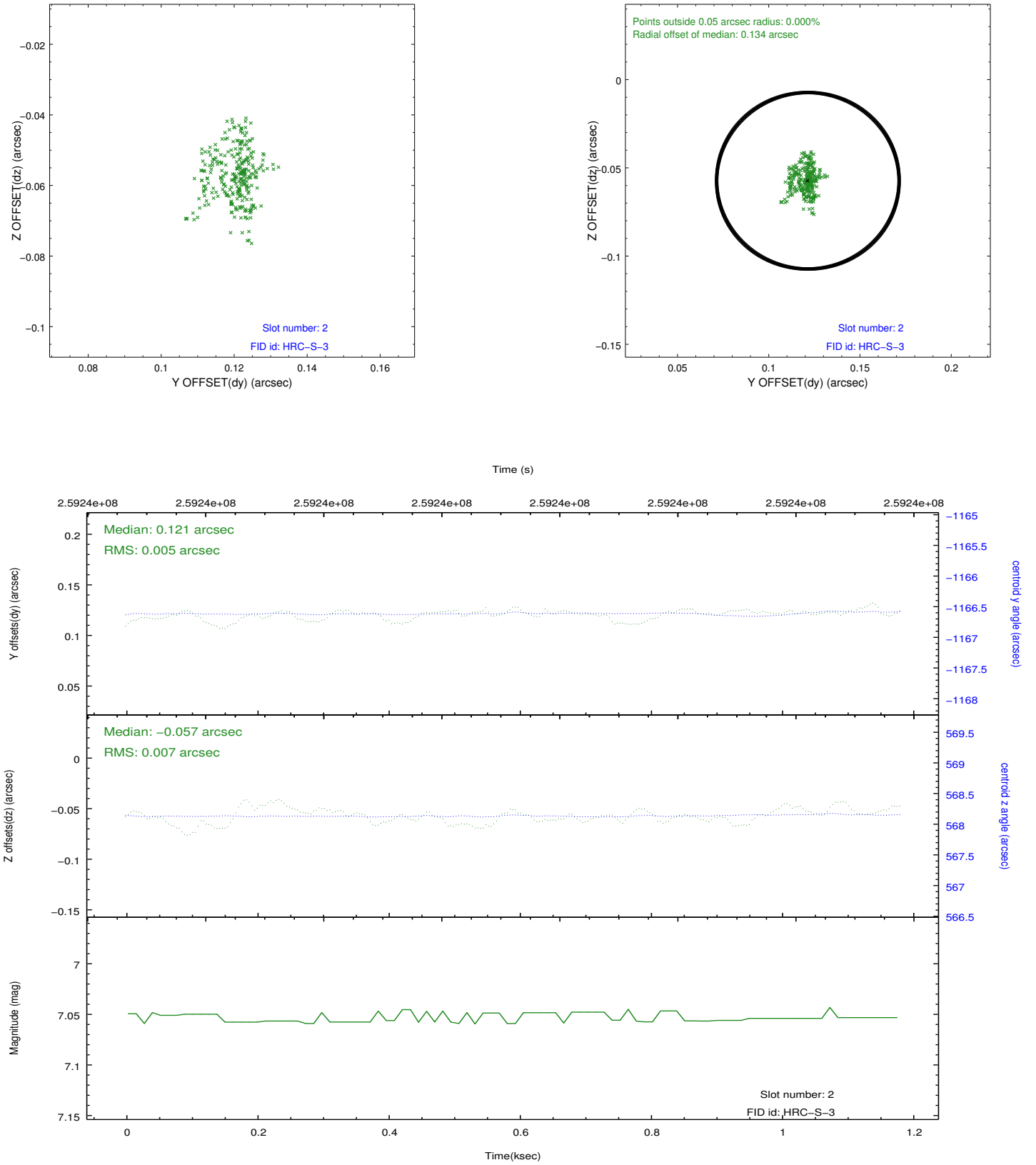
### 2.5.1 Slot 0



## 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	1.1513313

### A.2 Comments