

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2367 - L2 Version 5  
Chandra X-Ray Center

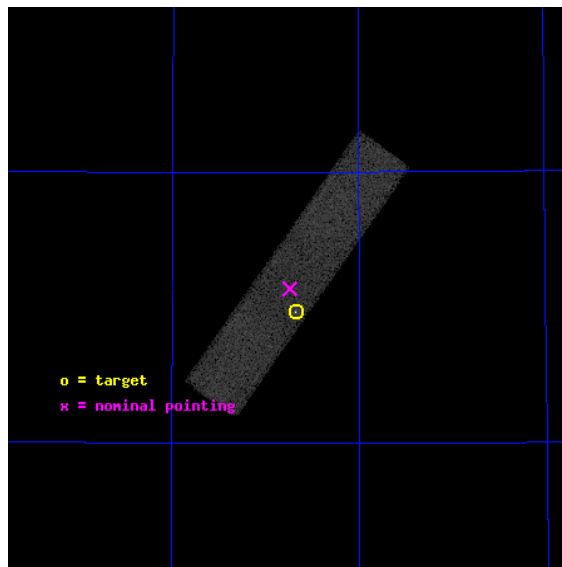
L2 Processing Date : Sep 4 2012

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# 1 Front

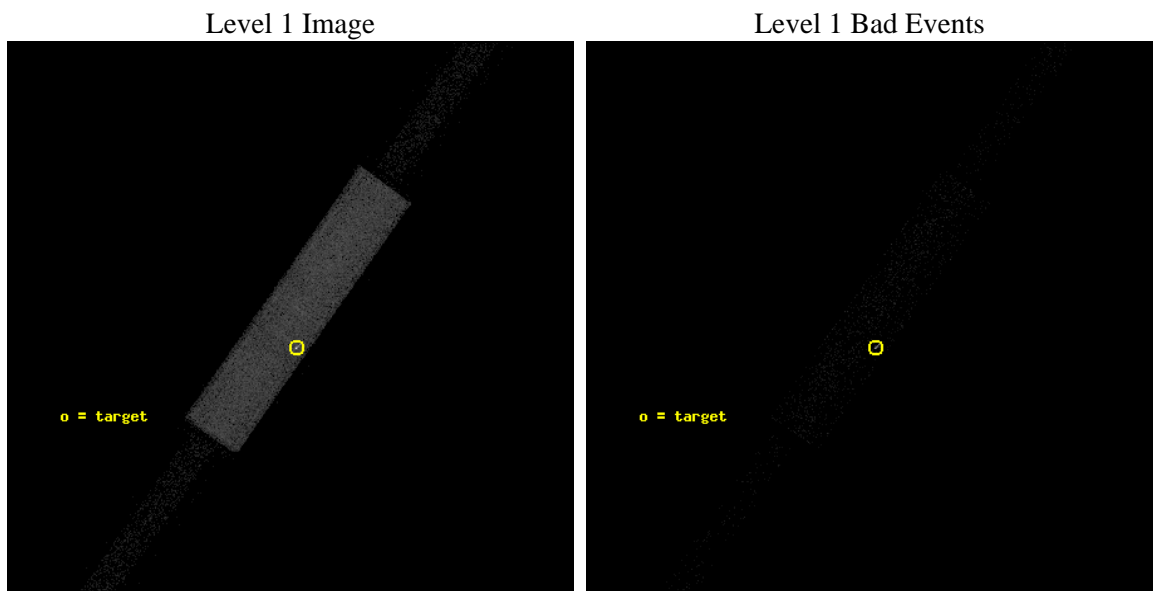
seq_num	290113	Sequence number
obs_id	2367	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-S,AO2	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.18535487096	Nominal RA [deg]
dec_nom	45.784985621358	Nominal Dec [deg]
roll_nom	305.11212573245	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1142.1062936932	[s]
livetime	1135.3766498204	Ontime multiplied by DTCOR
l2events	46557	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	1142.1062936932	[s]
caldsver	4.5.1.1	&#160	l1events	76853	Number of level 1 events
date	2012-09-05T01:20:47	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

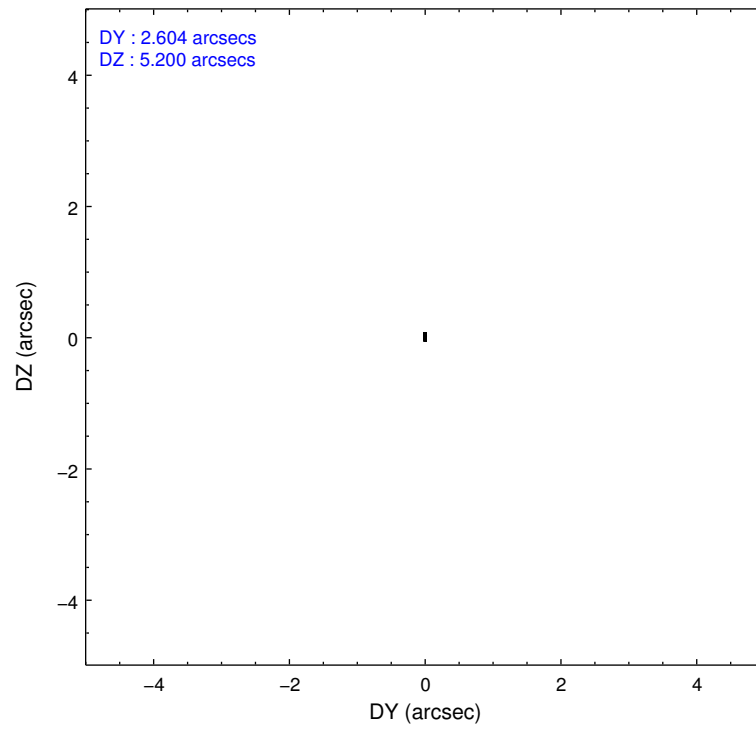
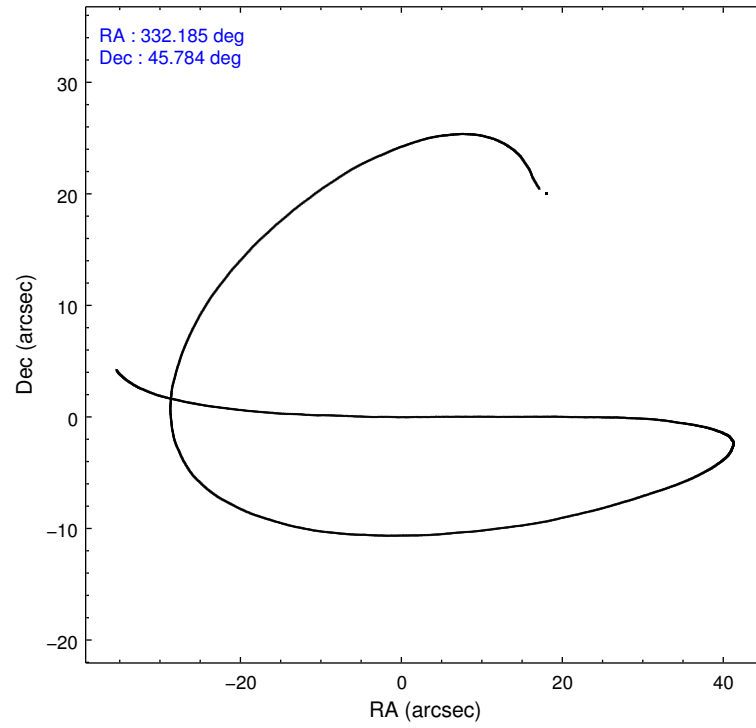
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	2829	71673	2351
rejected events	2829	15575	2351
rejected %	100%	21%	100%

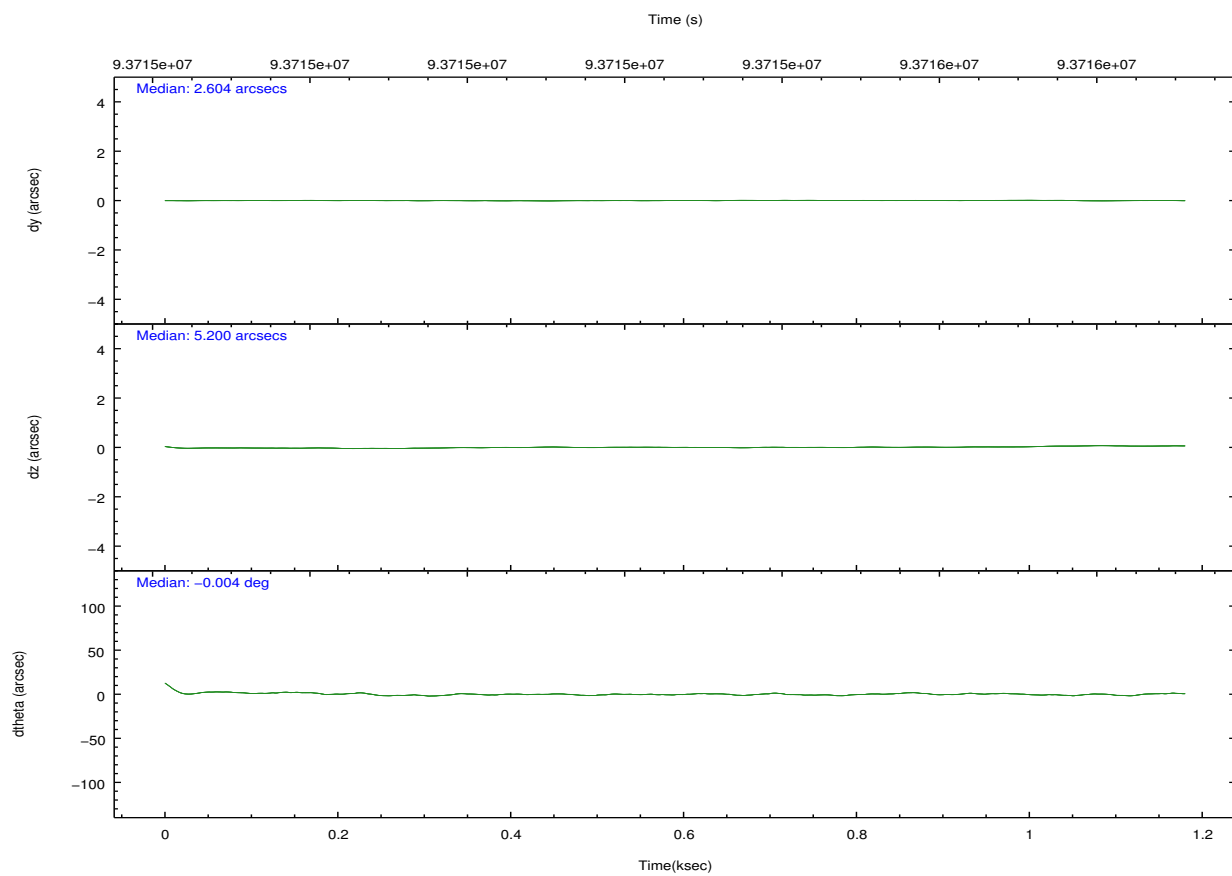
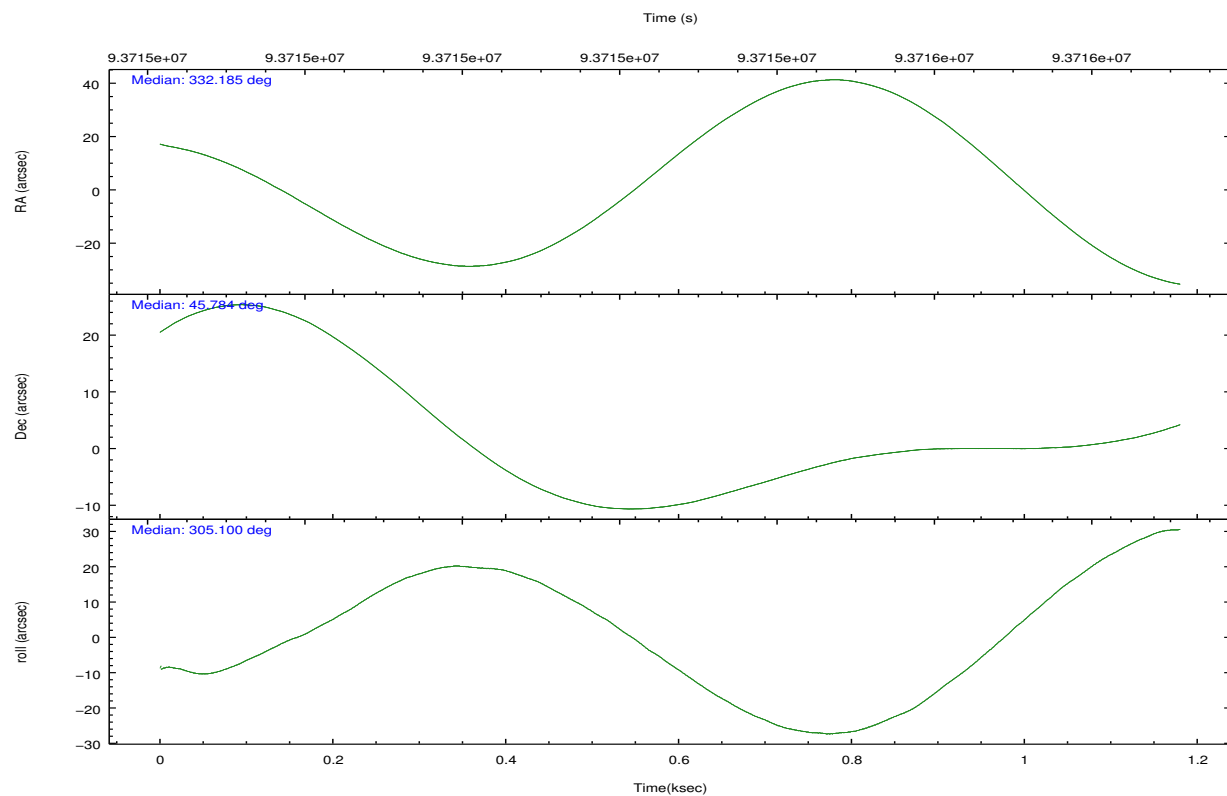
## 2.2 Compared Parameters

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	332.147362	332.1853548709613
[deg] Pointing Dec	45.795565	45.78498562135843
[deg] Pointing Roll	305.072063	305.1121257324472
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	93714852.184000	93714476.08875801
Observation start date	2000-12-20T15:53:08	2000-12-20T15:47:56
[s] Observation end time (MET)	93715852.184000	93715985.913816
Observation end date	2000-12-20T16:09:48	2000-12-20T16:13:05

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

## 2.3 Aspect





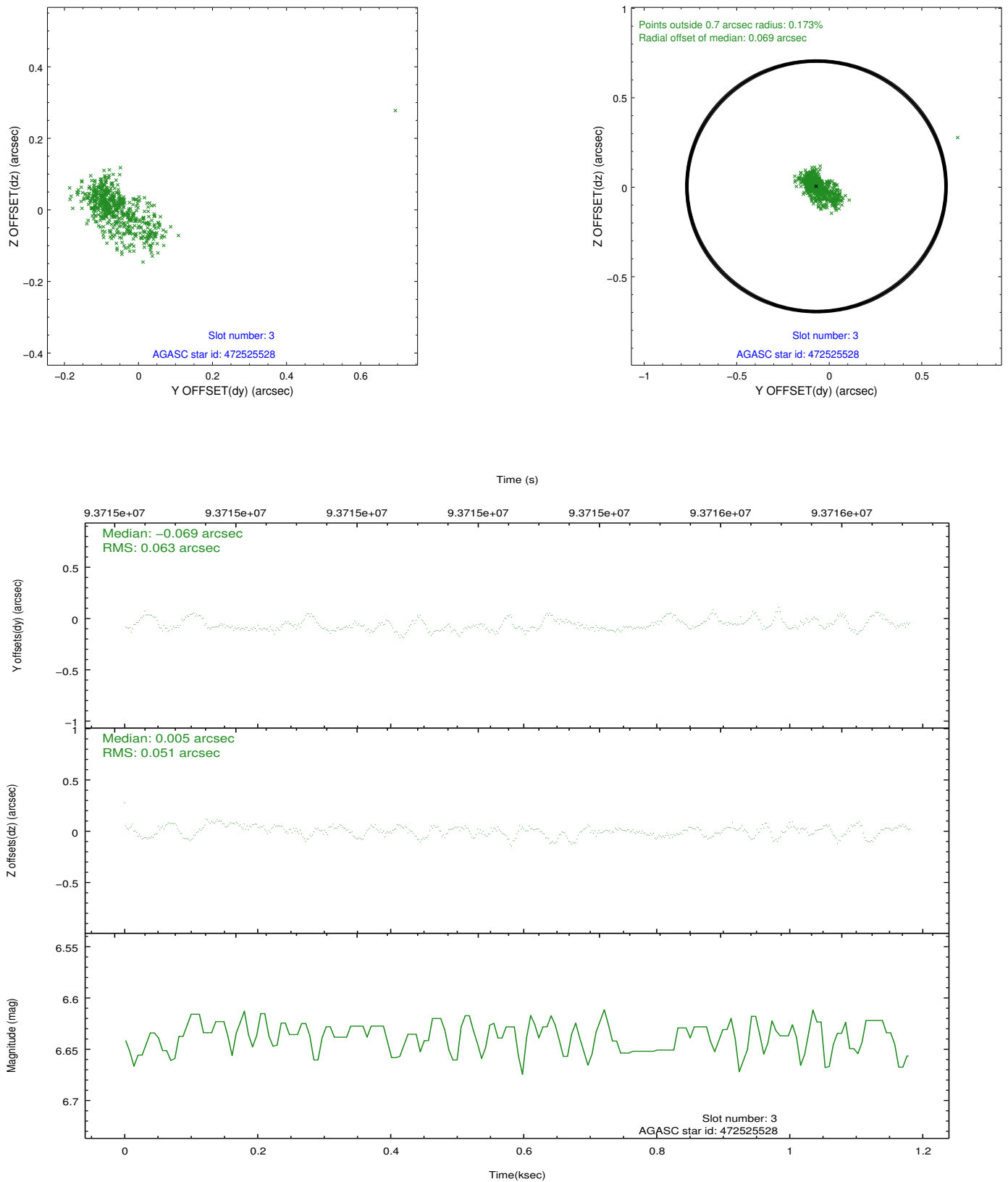
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	288	0.118	-0.158	0.007	0.011	0.000000	0.000000	-1156.65	-453.75
1	FID	HRC-S-3	7.00	288	0.144	-0.044	0.008	0.014	0.000000	0.000000	-1163.37	574.32
2	FID	HRC-S-4	6.94	288	0.126	-0.095	0.005	0.009	0.000000	0.000000	1237.57	580.43
3	GUIDE	472525528	6.64	577	-0.069	0.005	0.076	0.135	331.551102	45.248694	739.48	-2366.23
4	GUIDE	472523760	8.23	577	-0.059	-0.147	0.057	0.094	331.645363	45.403260	425.85	-1853.38
5	GUIDE	472665256	9.02	577	-0.115	-0.105	0.074	0.120	332.808125	46.195041	-235.55	2173.01
6	GUIDE	472655152	9.43	577	0.042	0.089	0.084	0.137	332.504239	45.862991	313.98	875.27
7	GUIDE	472646552	9.63	576	0.197	0.179	0.106	0.177	333.120915	45.571877	2057.72	1554.37

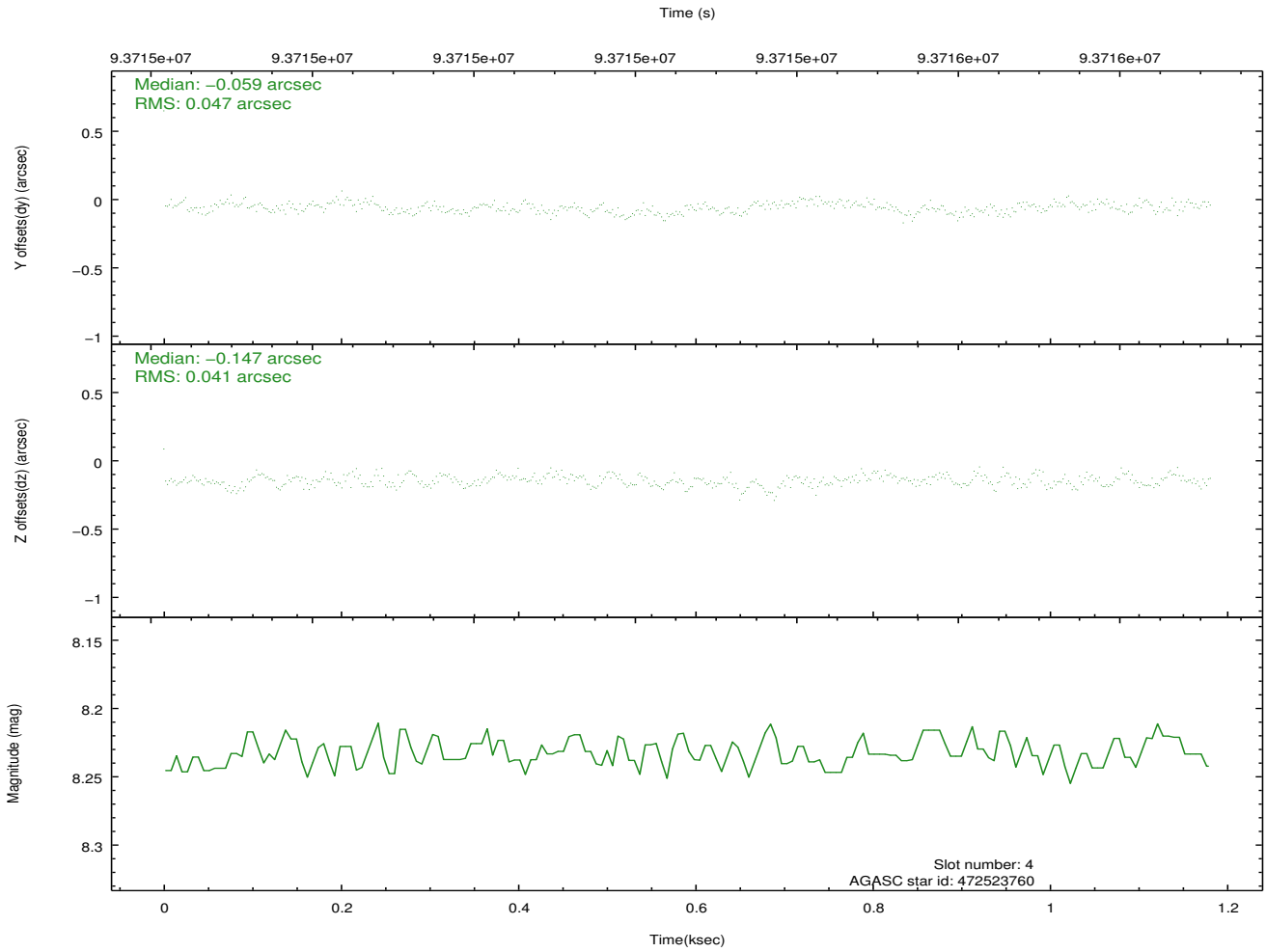
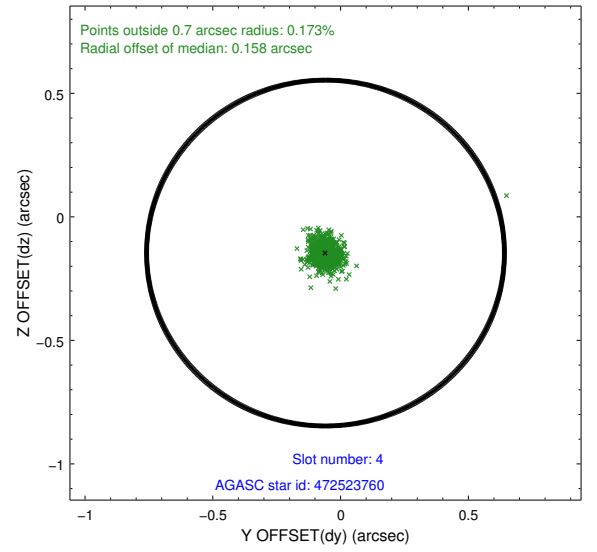
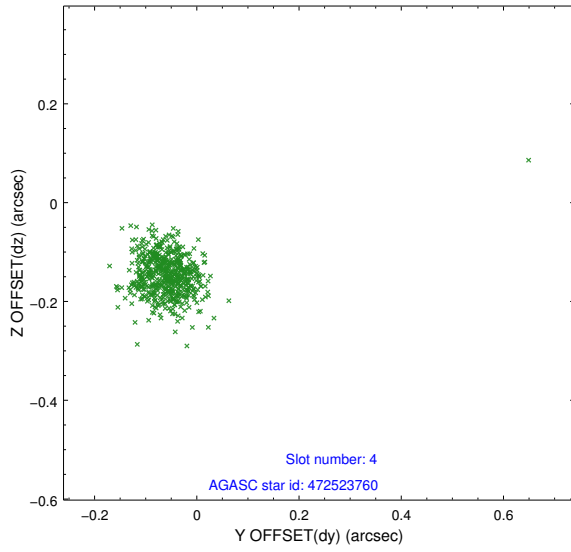


## 2.4 Star Slots

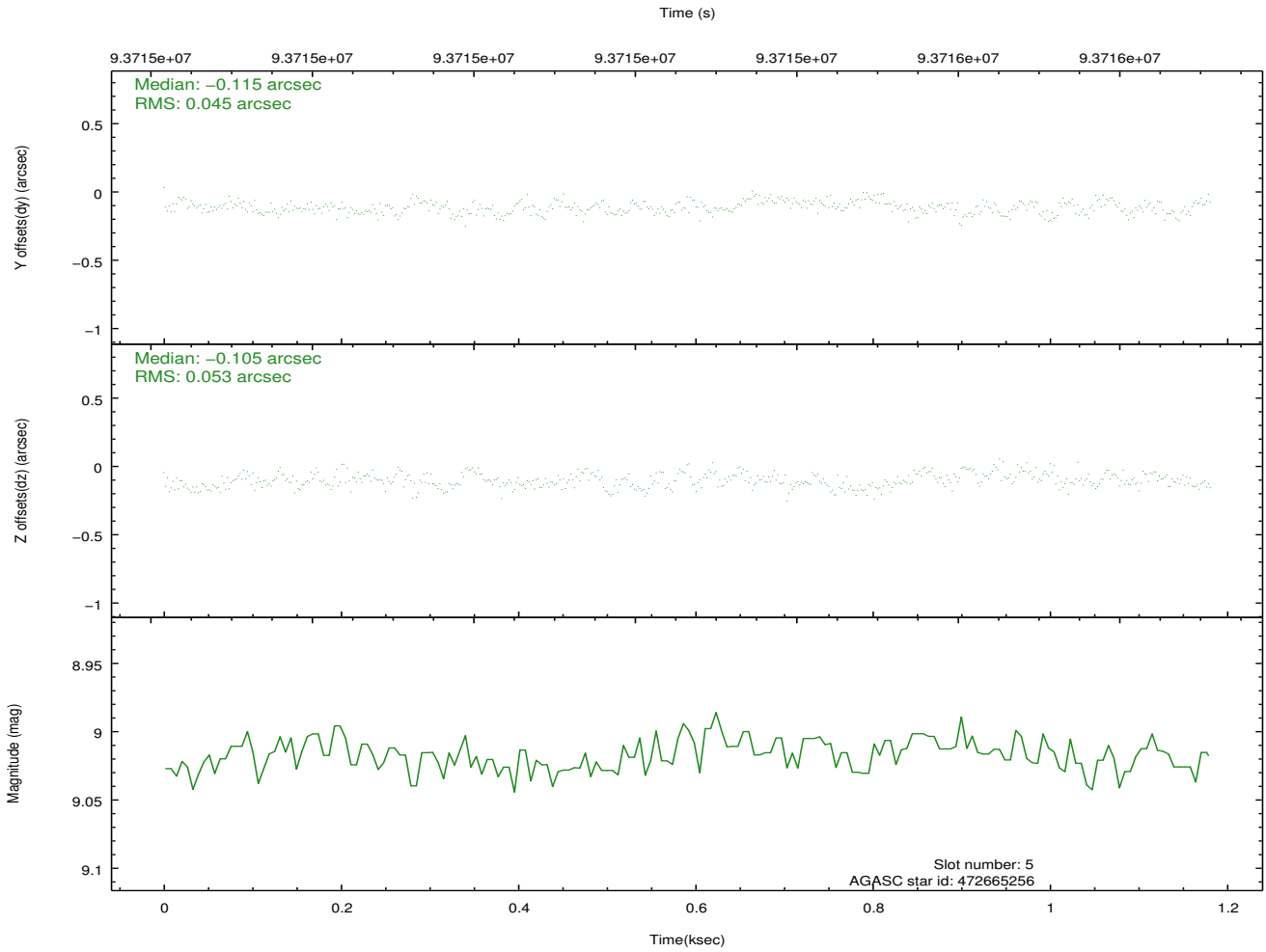
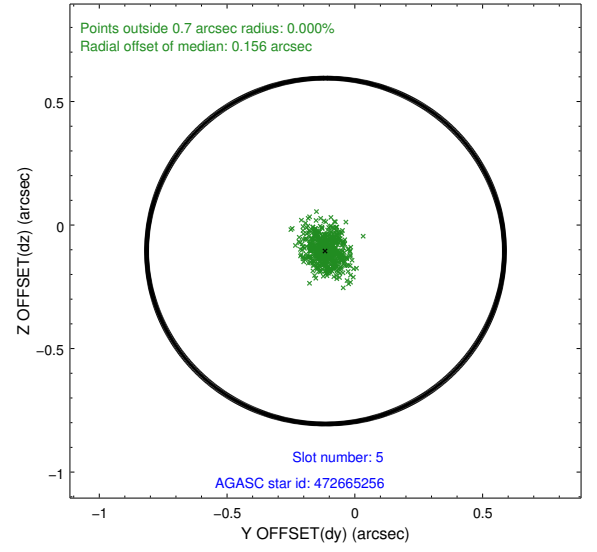
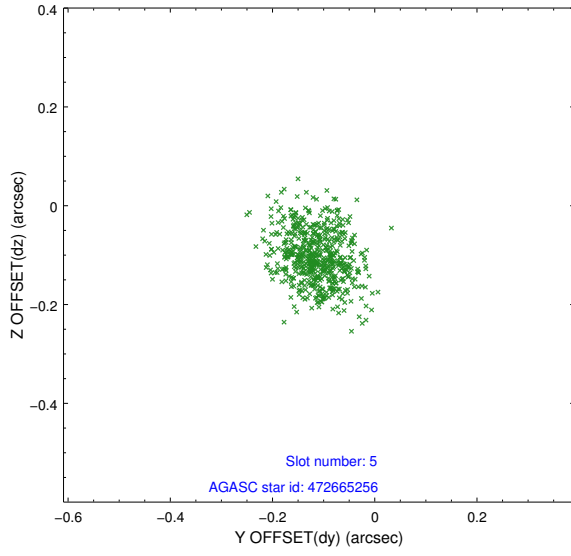
### 2.4.1 Slot 3



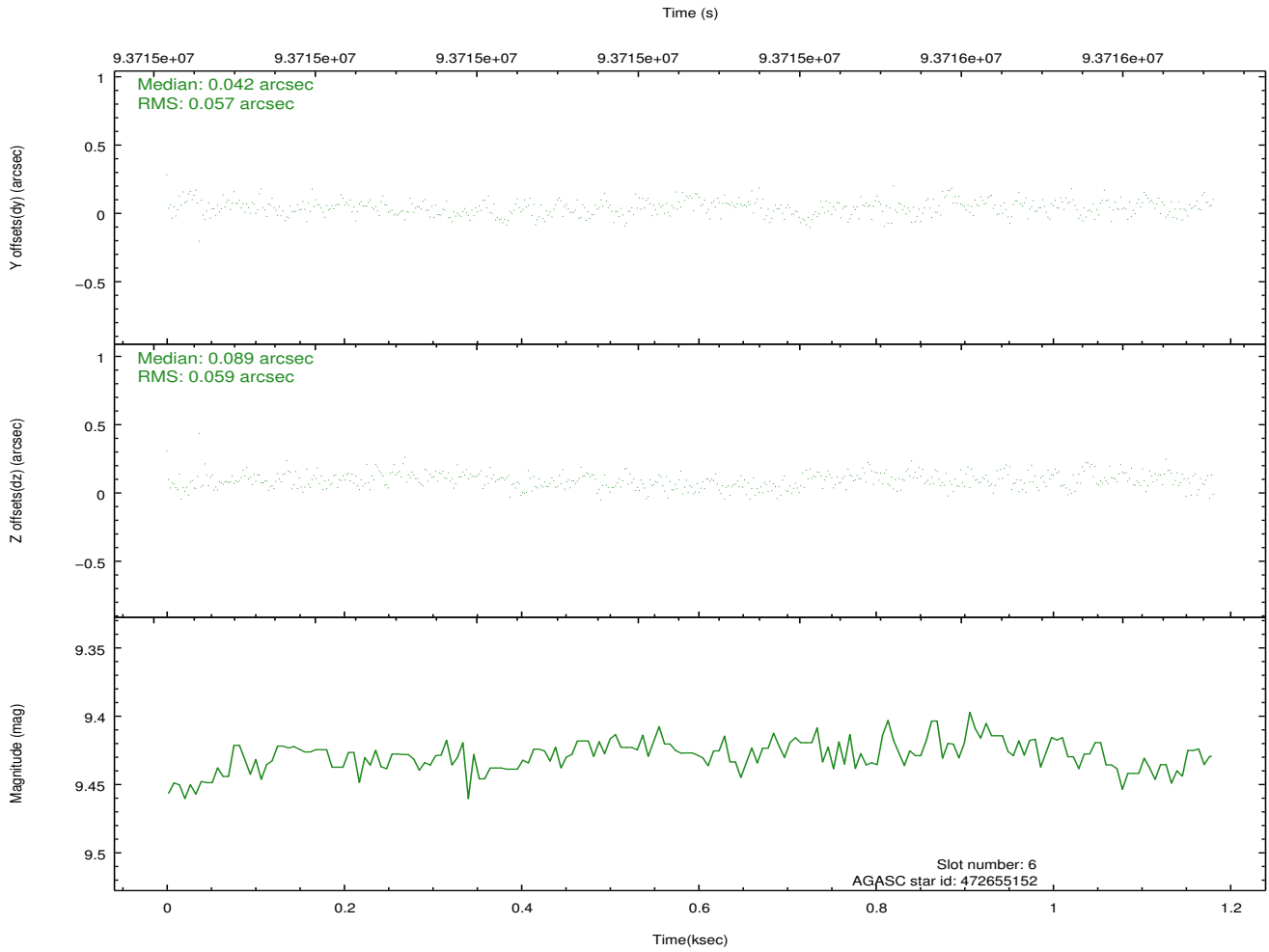
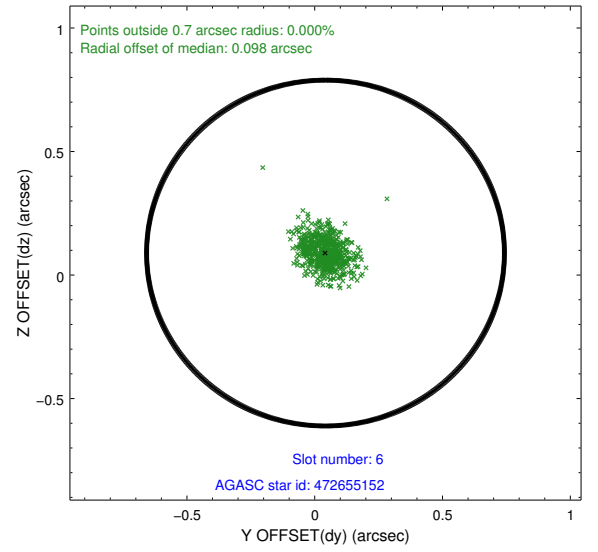
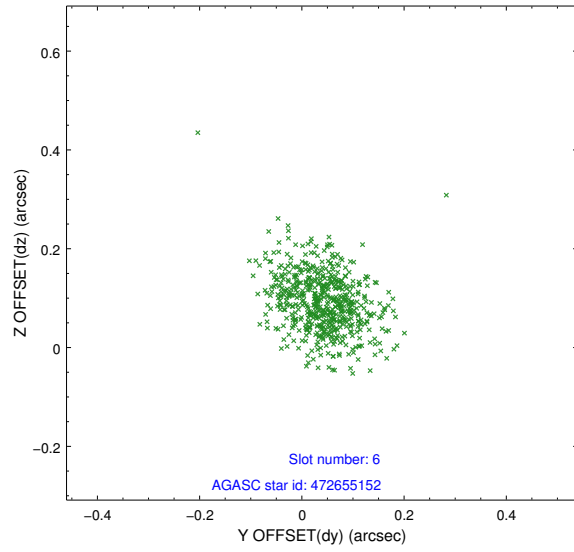
## 2.4.2 Slot 4



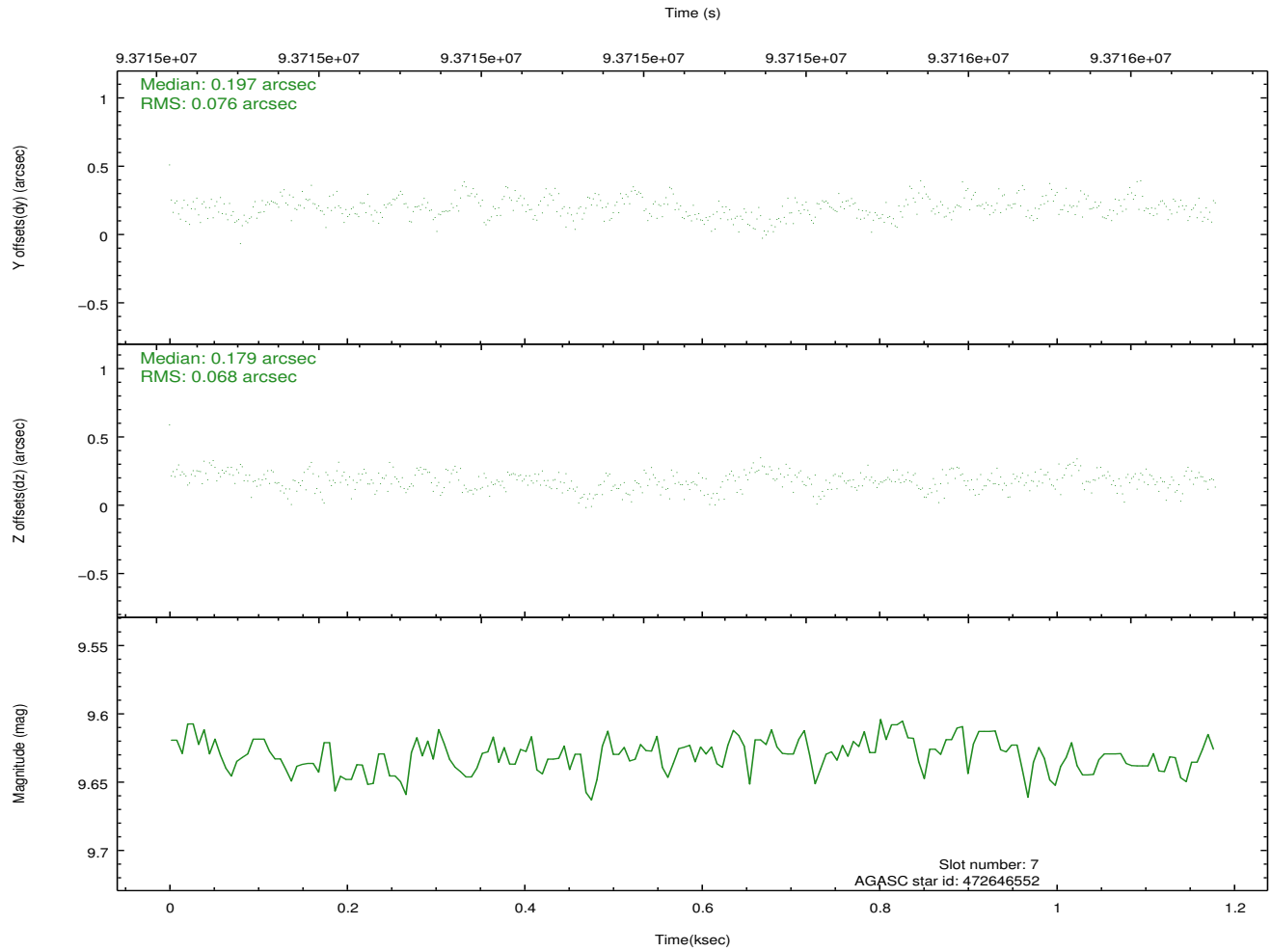
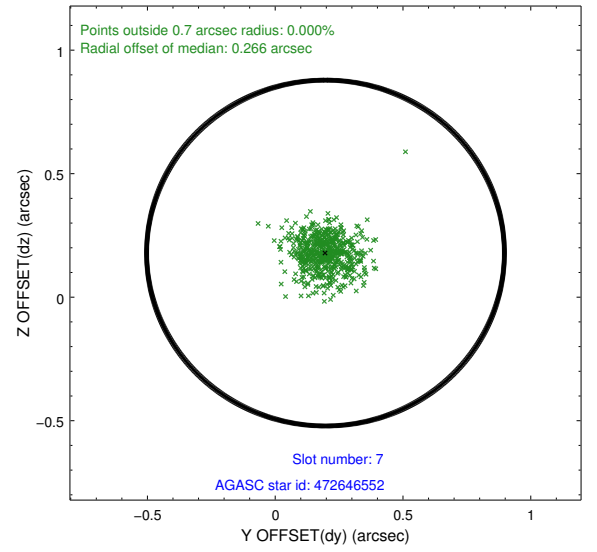
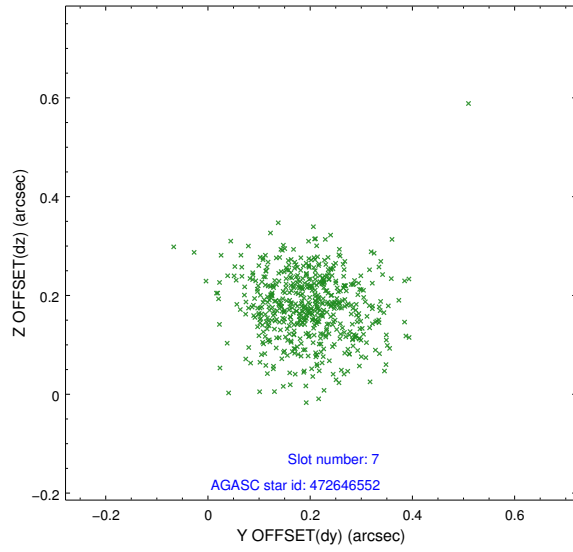
### 2.4.3 Slot 5



## 2.4.4 Slot 6

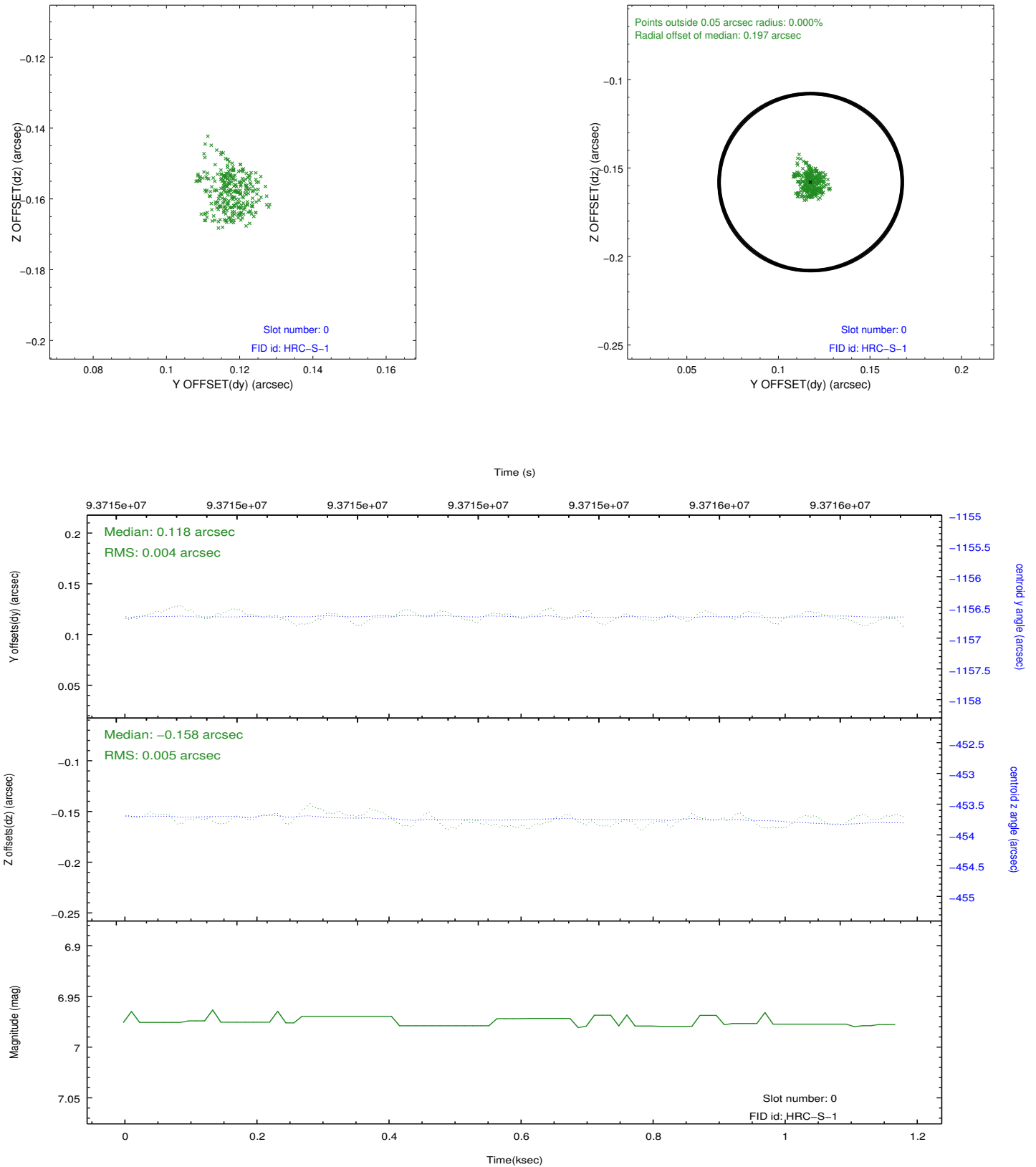


## 2.4.5 Slot 7

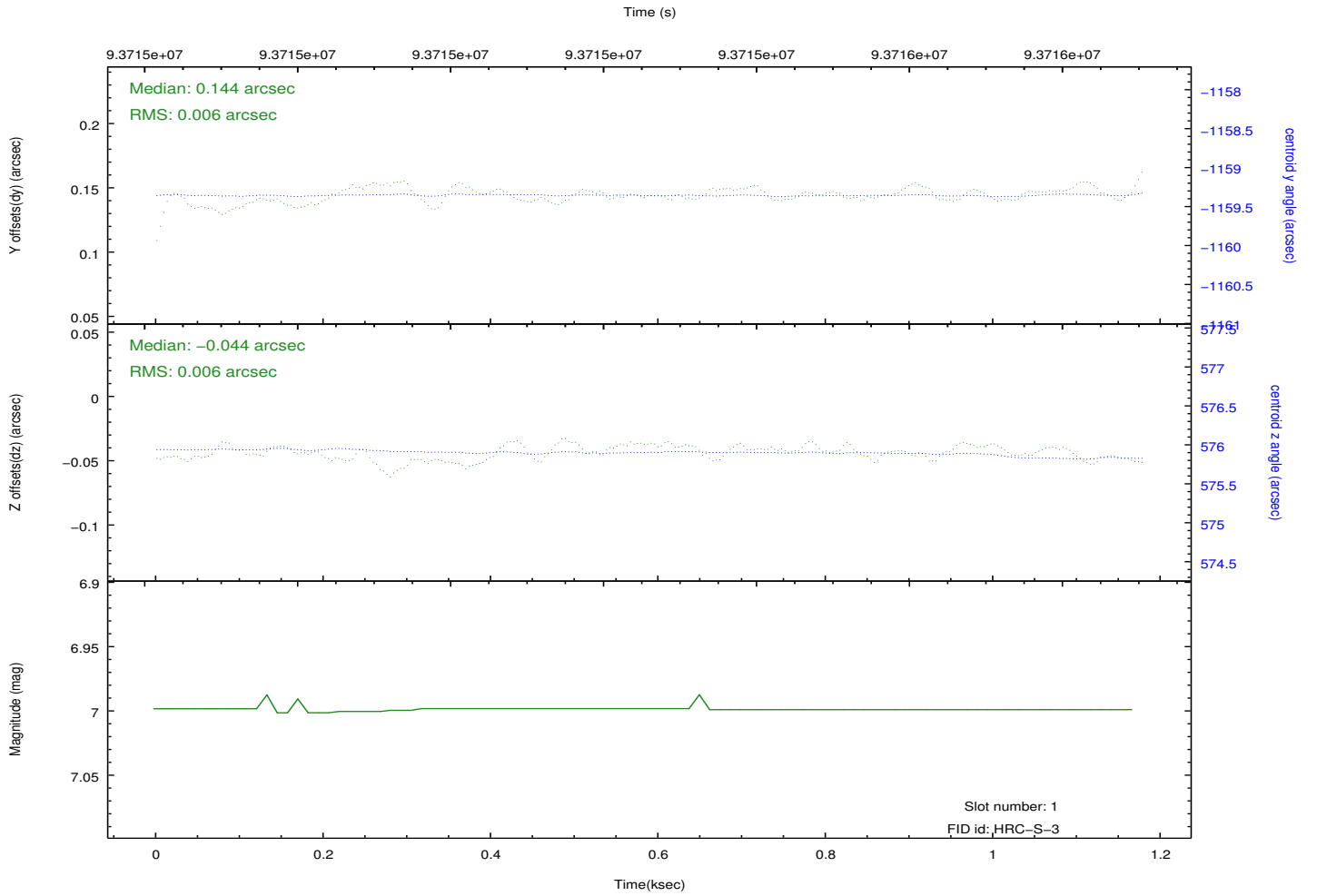
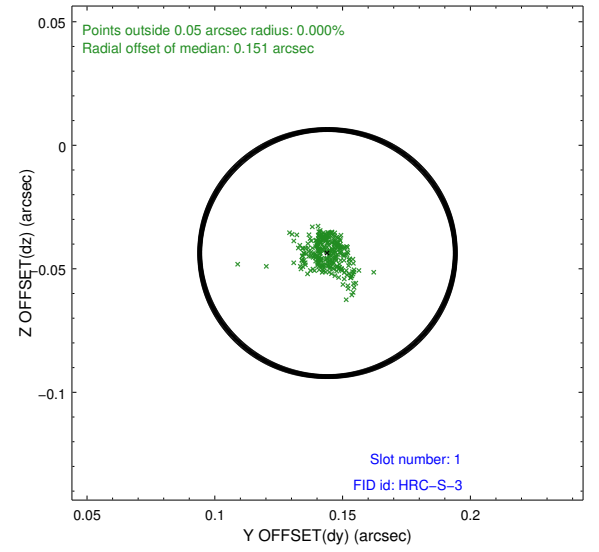
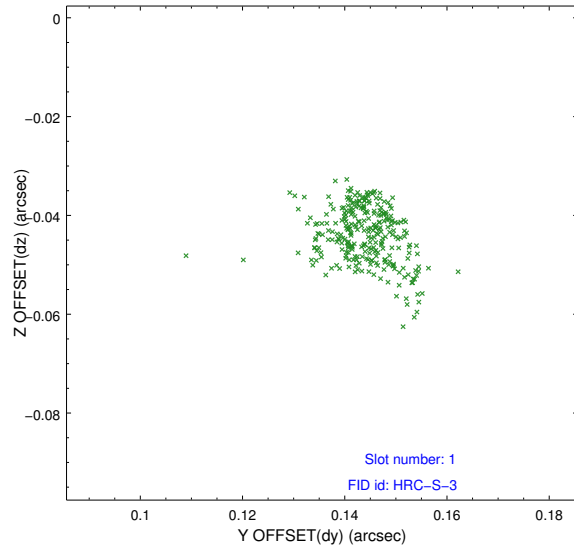


## 2.5 FID Slots

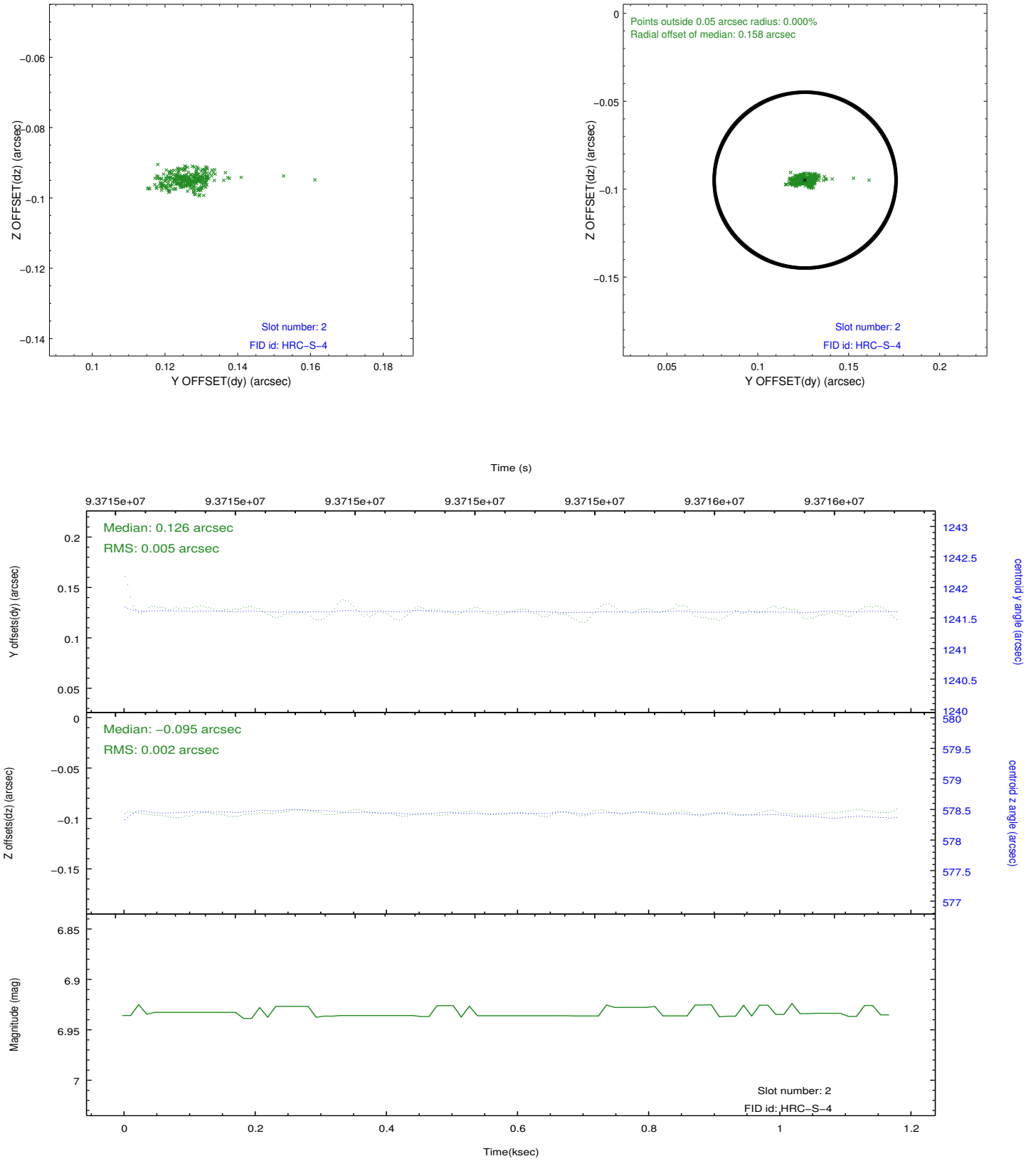
### 2.5.1 Slot 0



## 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)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.18

### A.2 Comments

Charge time for this ObsId remains at previous value of 1.18 ks although with the current processing the charge time would have been 1.14 ksec.