

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2380 - L2 Version 5  
Chandra X-Ray Center

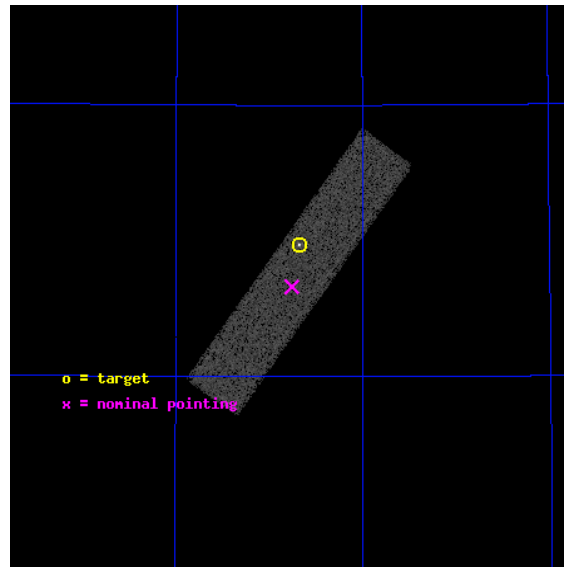
L2 Processing Date : Sep 4 2012

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# 1 Front

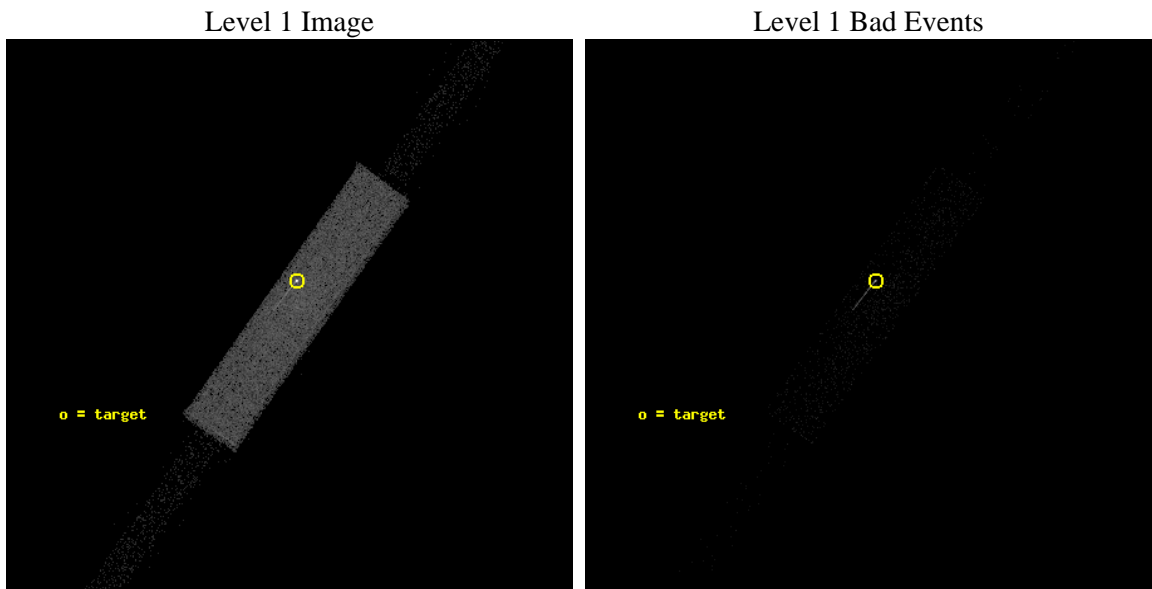
seq_num	290126	Sequence number
obs_id	2380	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-S,AO2	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.18958648794	Nominal RA [deg]
dec_nom	45.664948572413	Nominal Dec [deg]
roll_nom	305.29480246465	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1145.1812938154	[s]
livetime	1139.9279215304	Ontime multiplied by DTCOR
l2events	34681	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	1145.1812938154	[s]
caldbver	4.5.1.1	&#160	l1events	59029	Number of level 1 events
date	2012-09-05T01:36:41	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

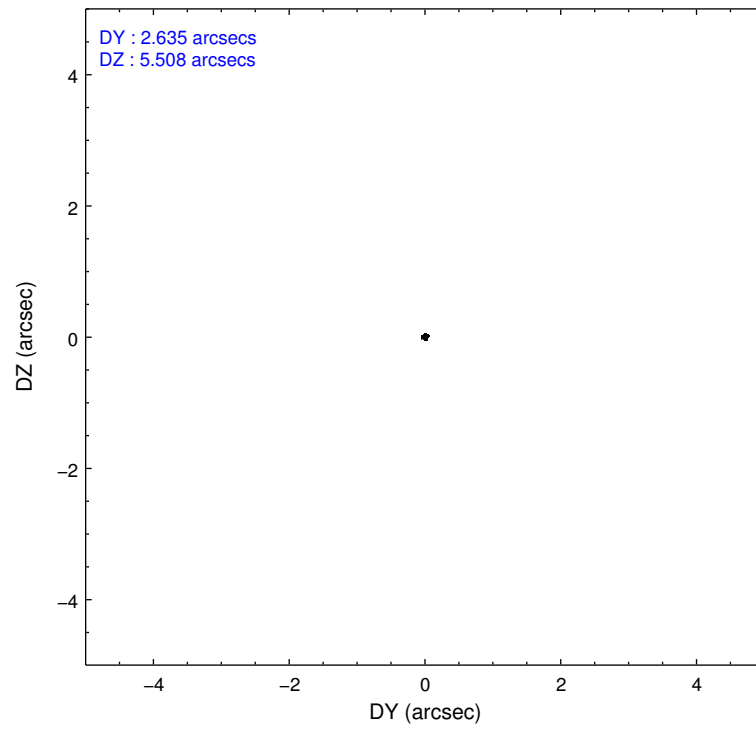
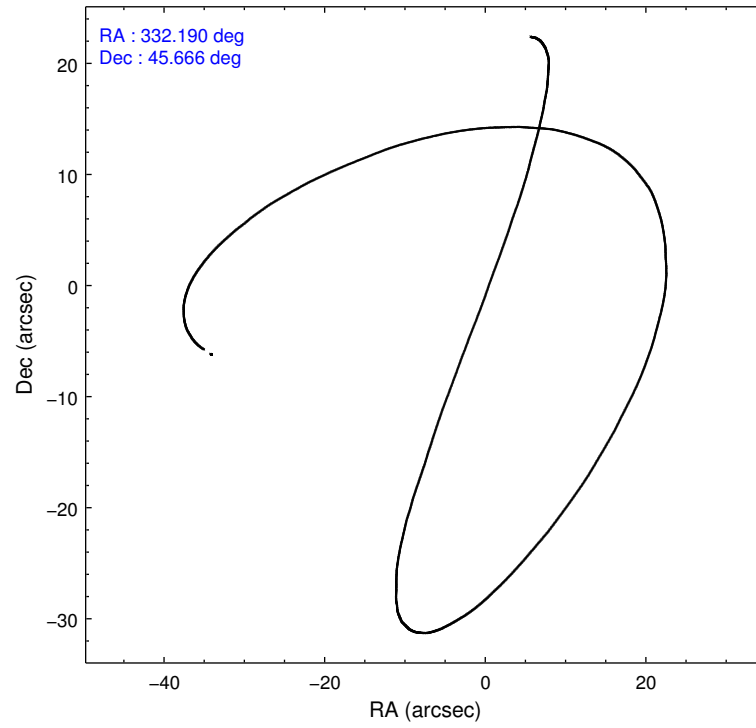
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	898	57148	983
rejected events	898	13035	983
rejected %	100%	22%	100%

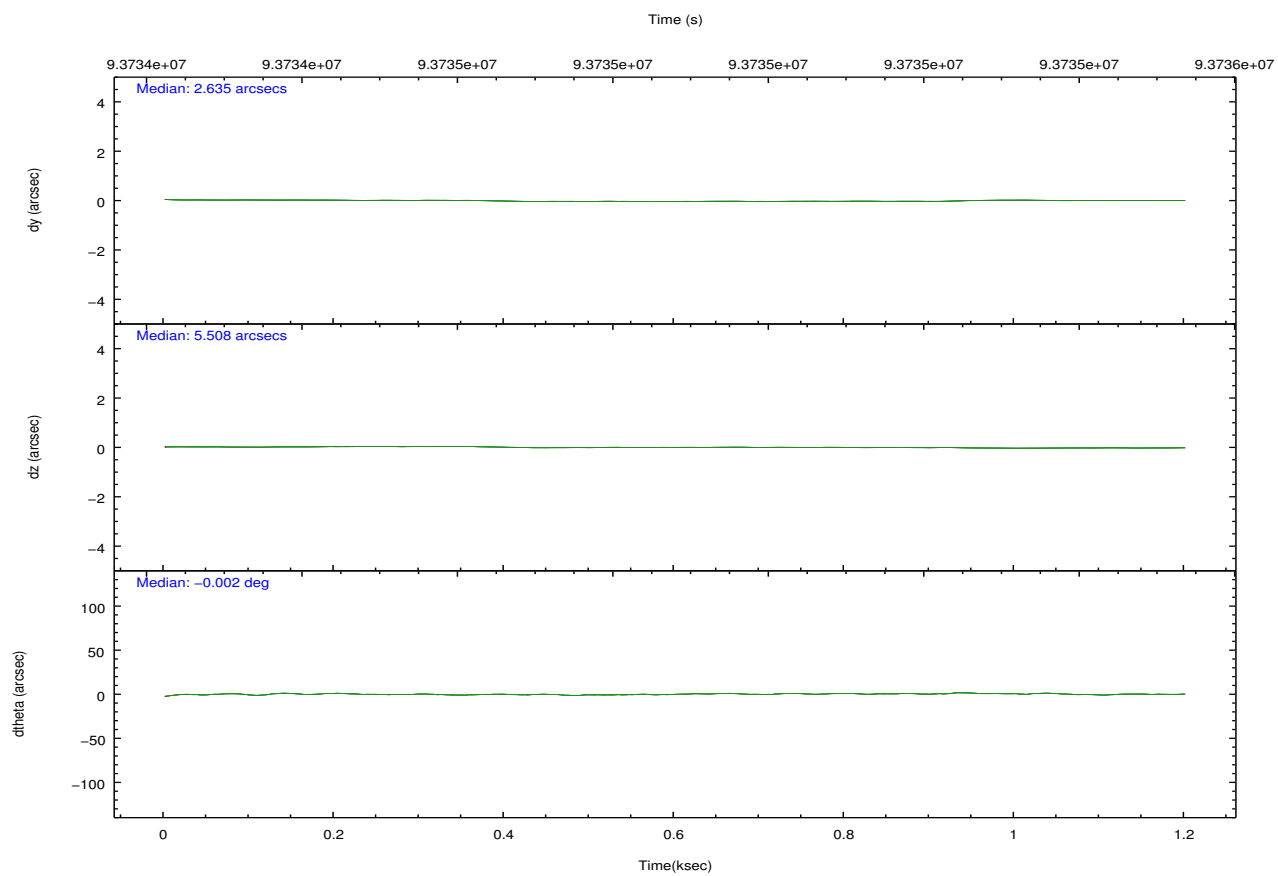
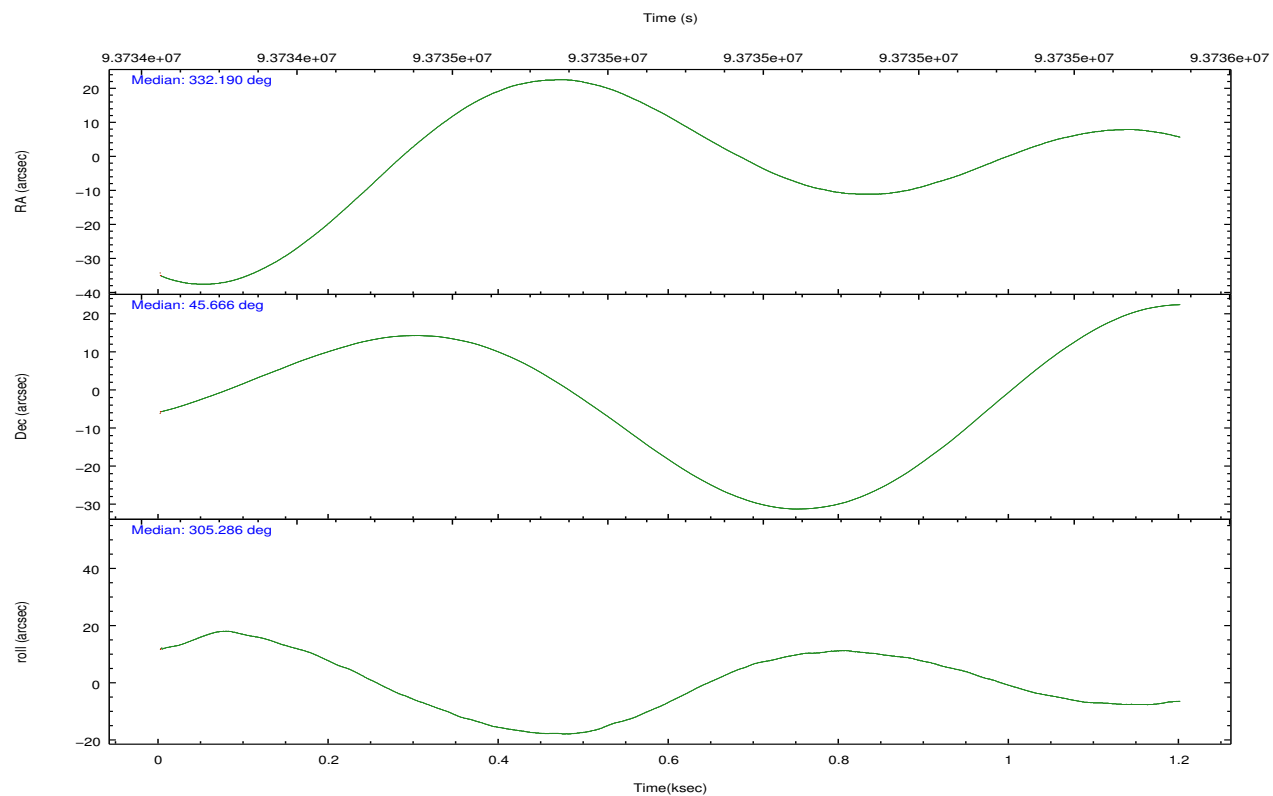
## 2.2 Compared Parameters

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	332.151820	332.1895864879403
[deg] Pointing Dec	45.675366	45.66494857241277
[deg] Pointing Roll	305.254505	305.2948024646508
[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)	93734482.184000	93734105.864509
Observation start date	2000-12-20T21:20:18	2000-12-20T21:15:05
[s] Observation end time (MET)	93735482.184000	93735615.689567
Observation end date	2000-12-20T21:36:58	2000-12-20T21:40:15

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

## 2.3 Aspect





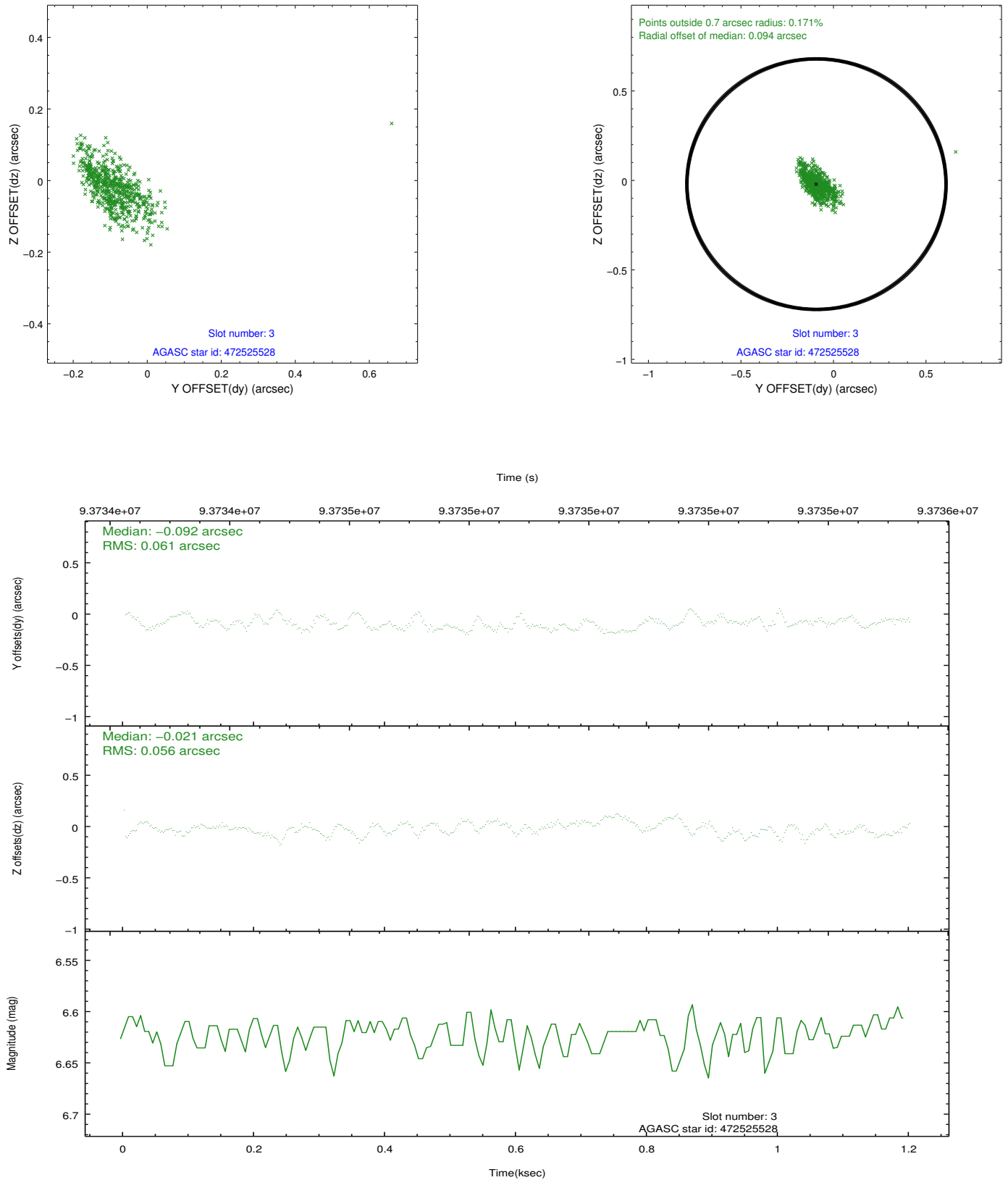
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	293	0.137	-0.152	0.009	0.015	0.000000	0.000000	-1156.67	-454.01
1	FID	HRC-S-2	6.97	293	0.127	-0.102	0.006	0.010	0.000000	0.000000	1239.05	-448.21
2	FID	HRC-S-3	6.99	293	0.125	-0.049	0.008	0.013	0.000000	0.000000	-1155.15	574.09
3	GUIDE	472525528	6.62	586	-0.092	-0.021	0.079	0.142	331.551102	45.248694	372.94	-2127.61
4	GUIDE	420754040	9.09	586	0.026	-0.046	0.102	0.178	331.917939	44.882543	1988.58	-2138.50
5	GUIDE	472659832	9.47	586	-0.050	0.034	0.094	0.156	332.780399	46.098139	-337.30	2158.71
6	GUIDE	472654568	9.43	586	0.046	-0.001	0.126	0.296	332.194449	45.063576	1862.58	-1179.85
7	GUIDE	472655704	9.47	585	0.055	0.025	0.092	0.152	332.167195	45.285228	1174.57	-781.72

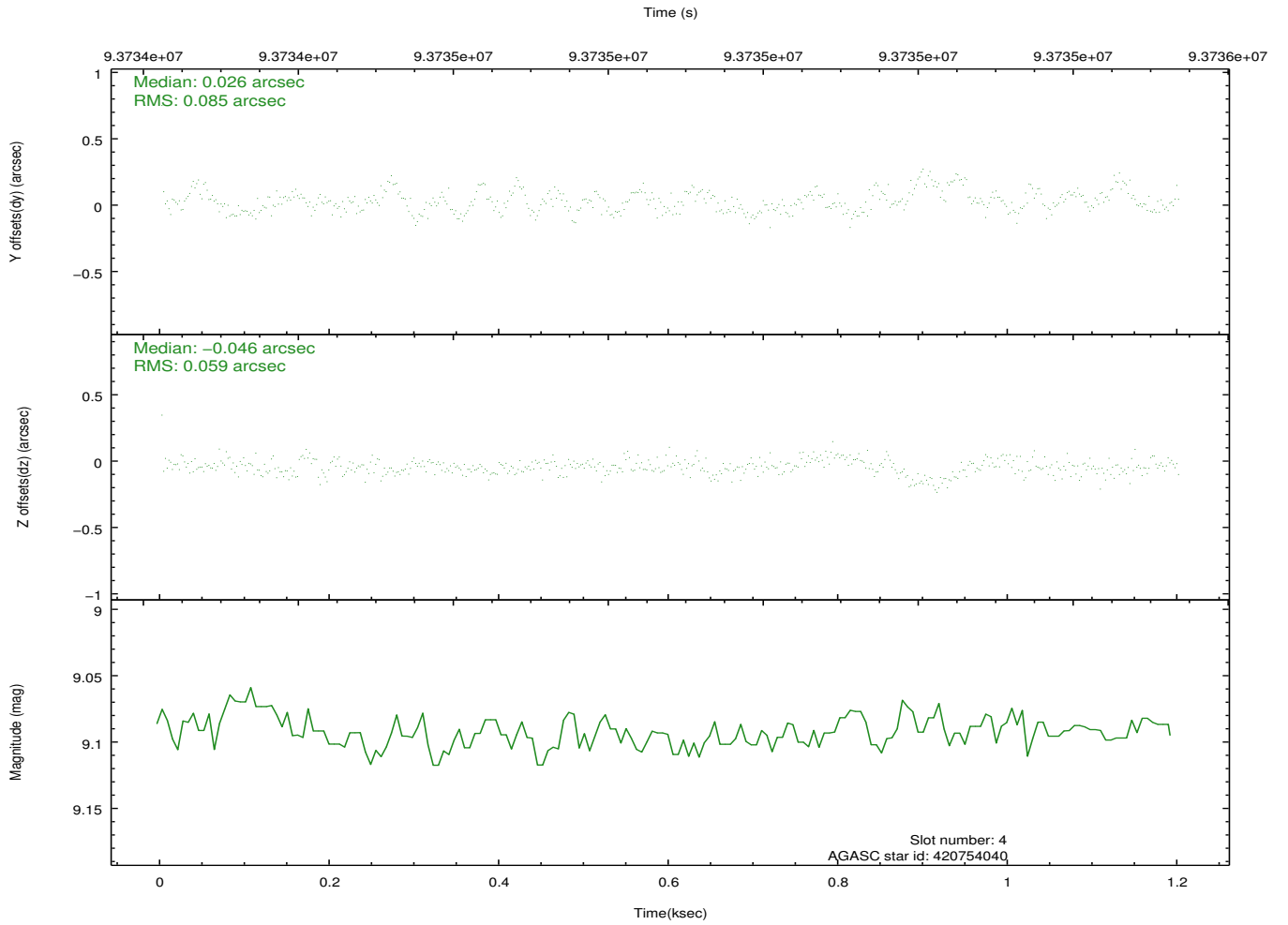
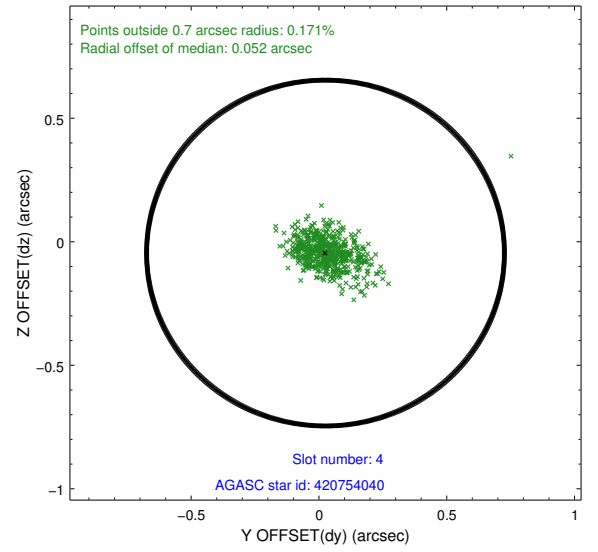
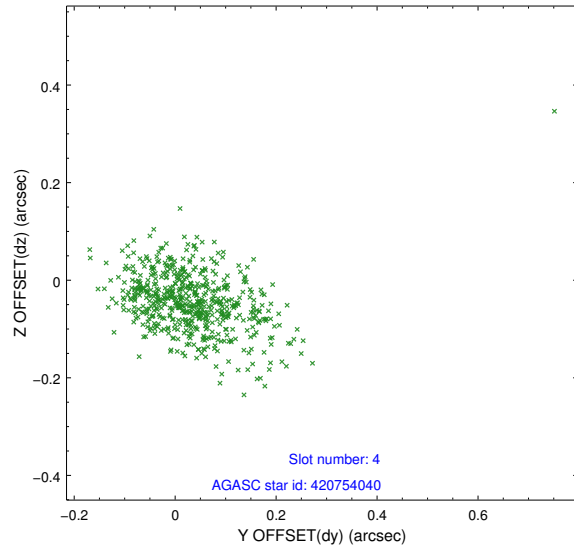


## 2.4 Star Slots

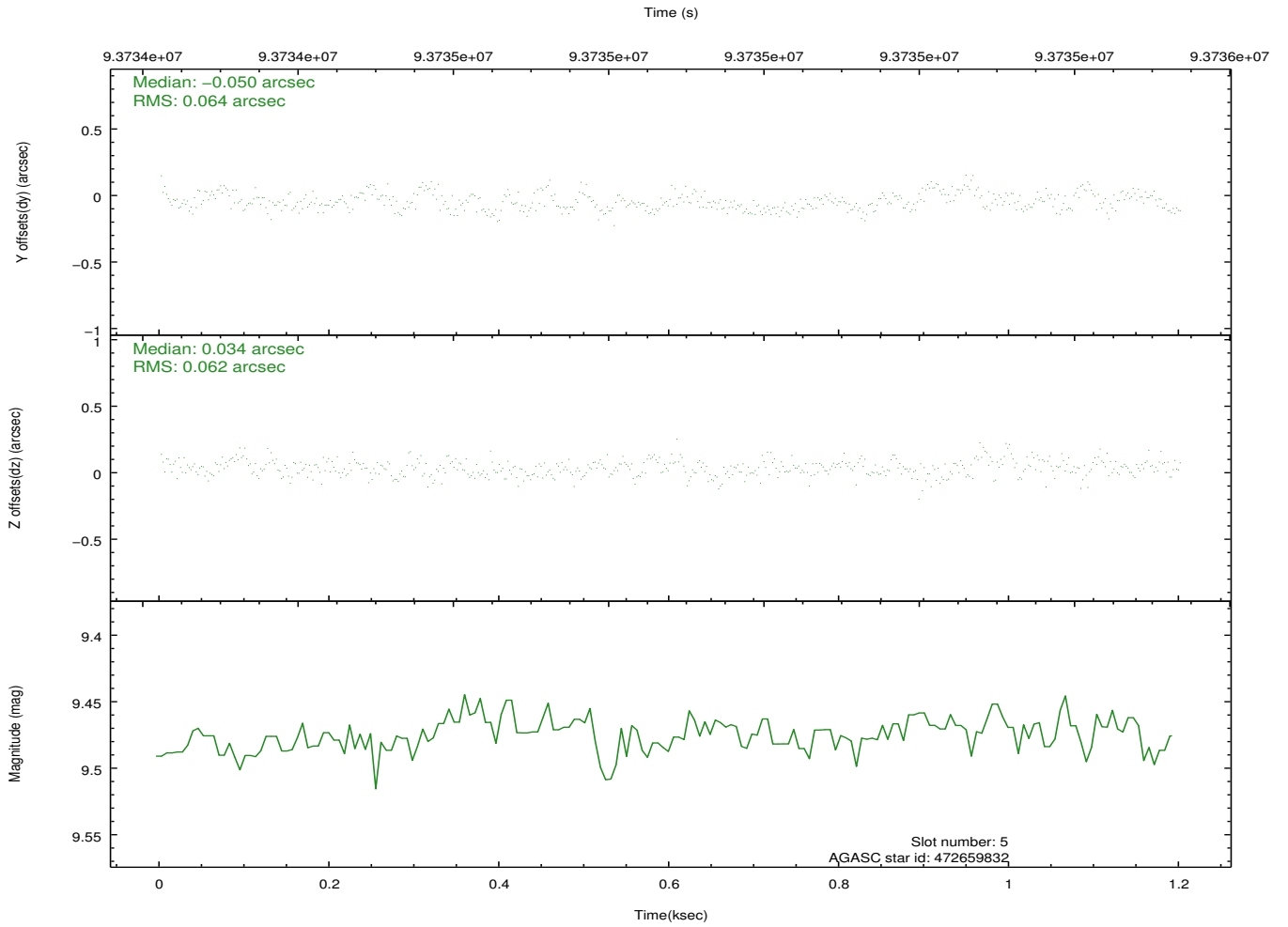
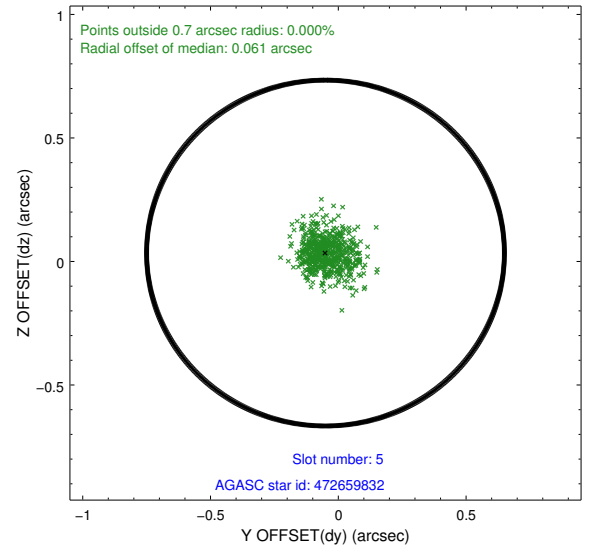
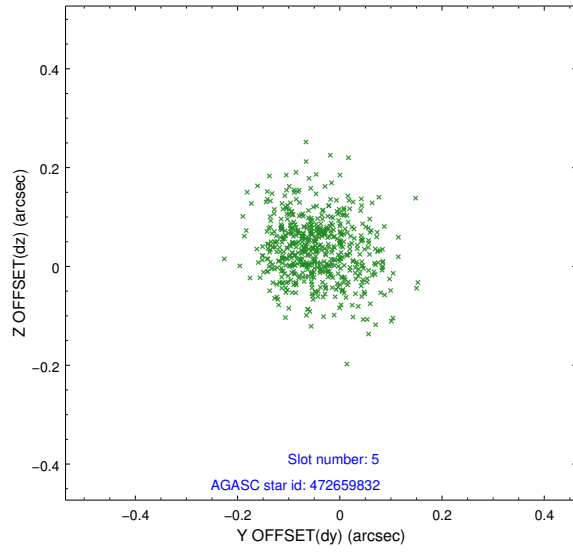
### 2.4.1 Slot 3



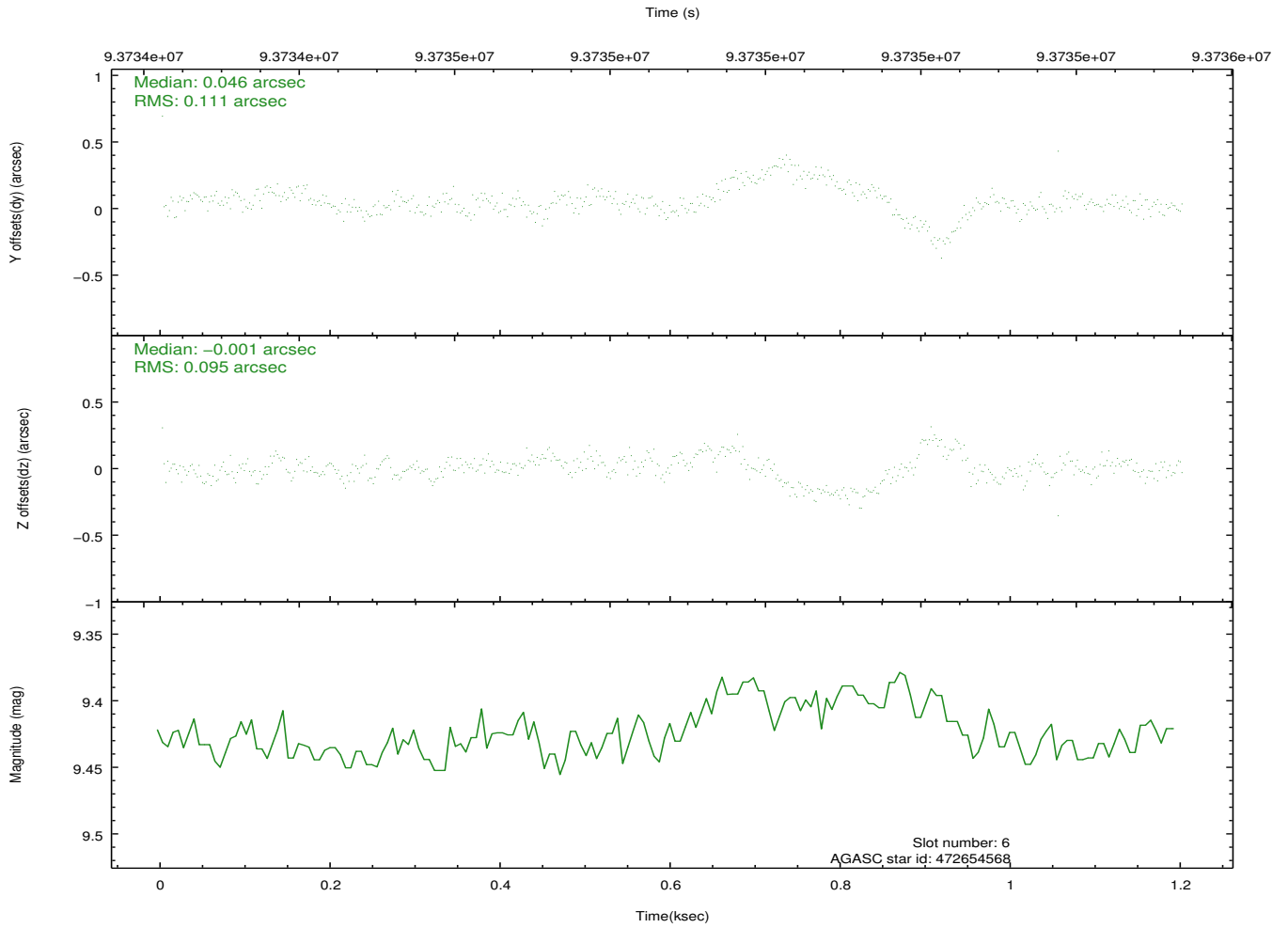
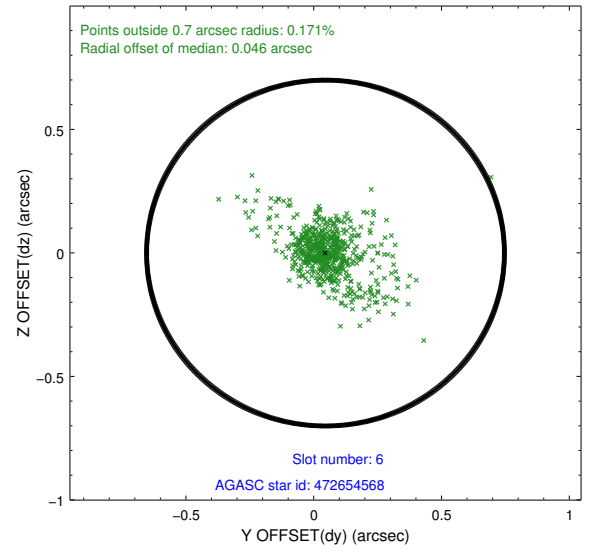
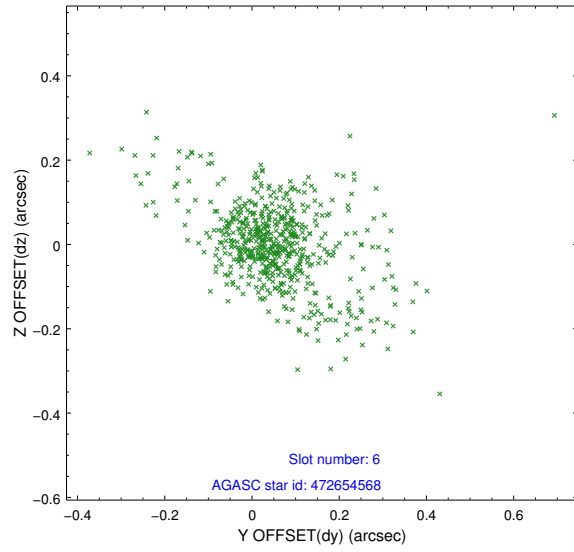
## 2.4.2 Slot 4



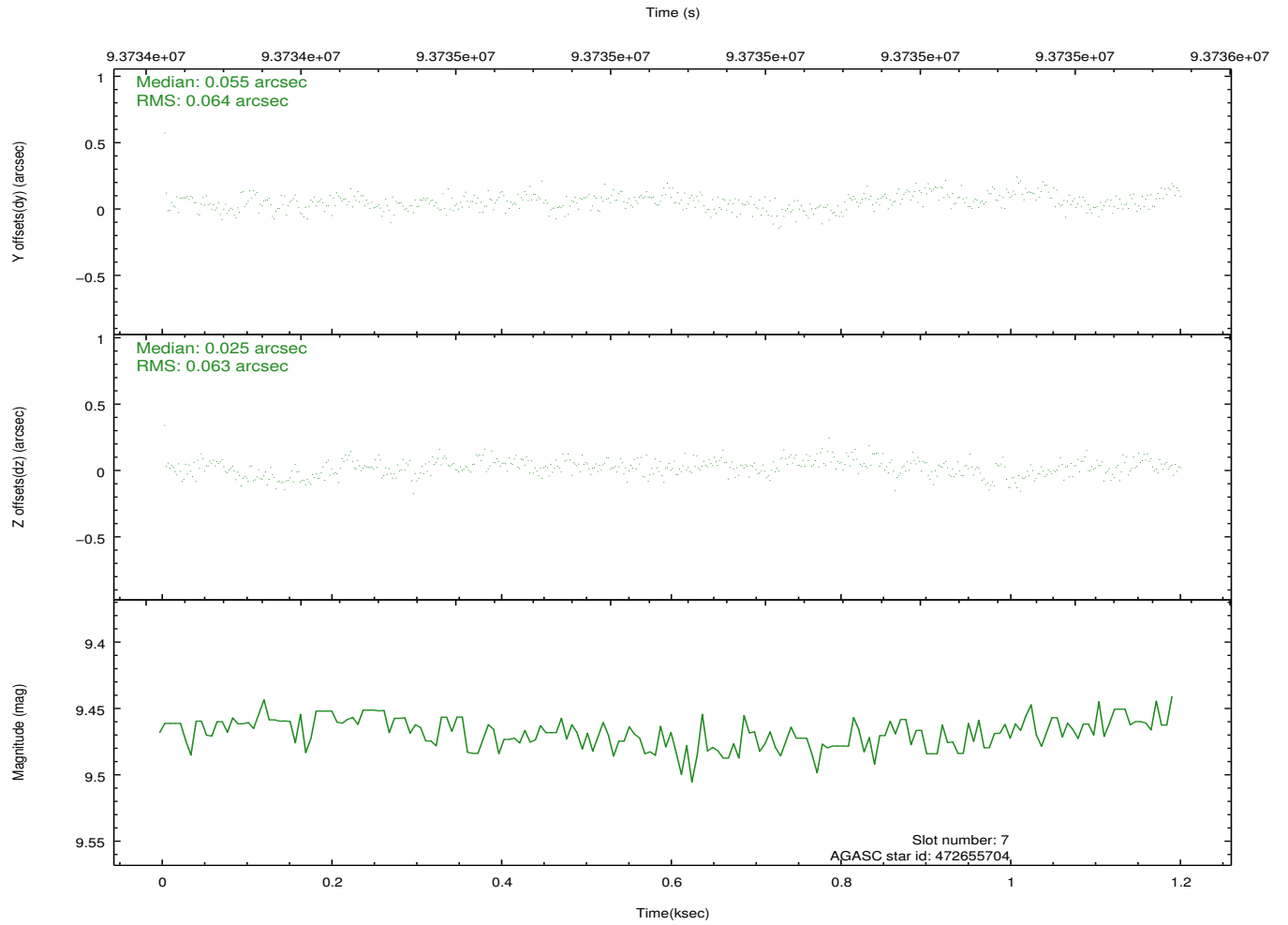
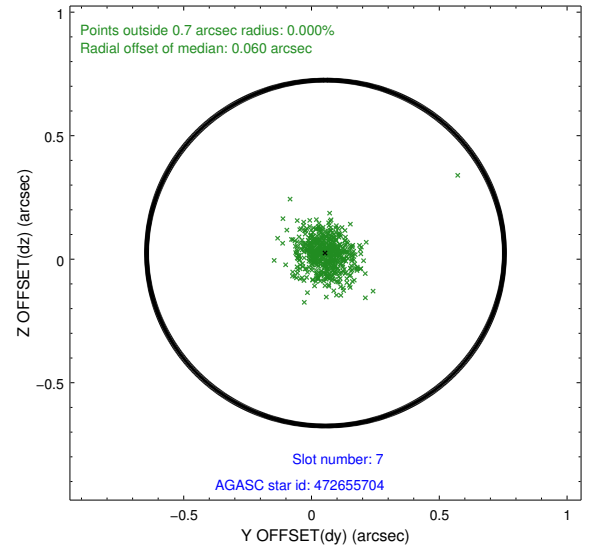
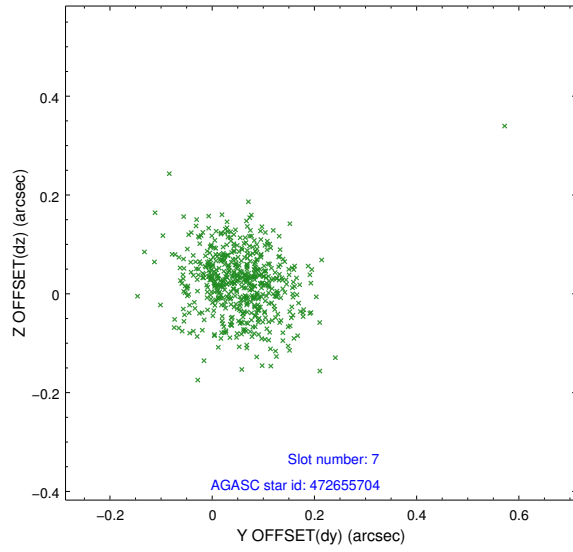
### 2.4.3 Slot 5



## 2.4.4 Slot 6

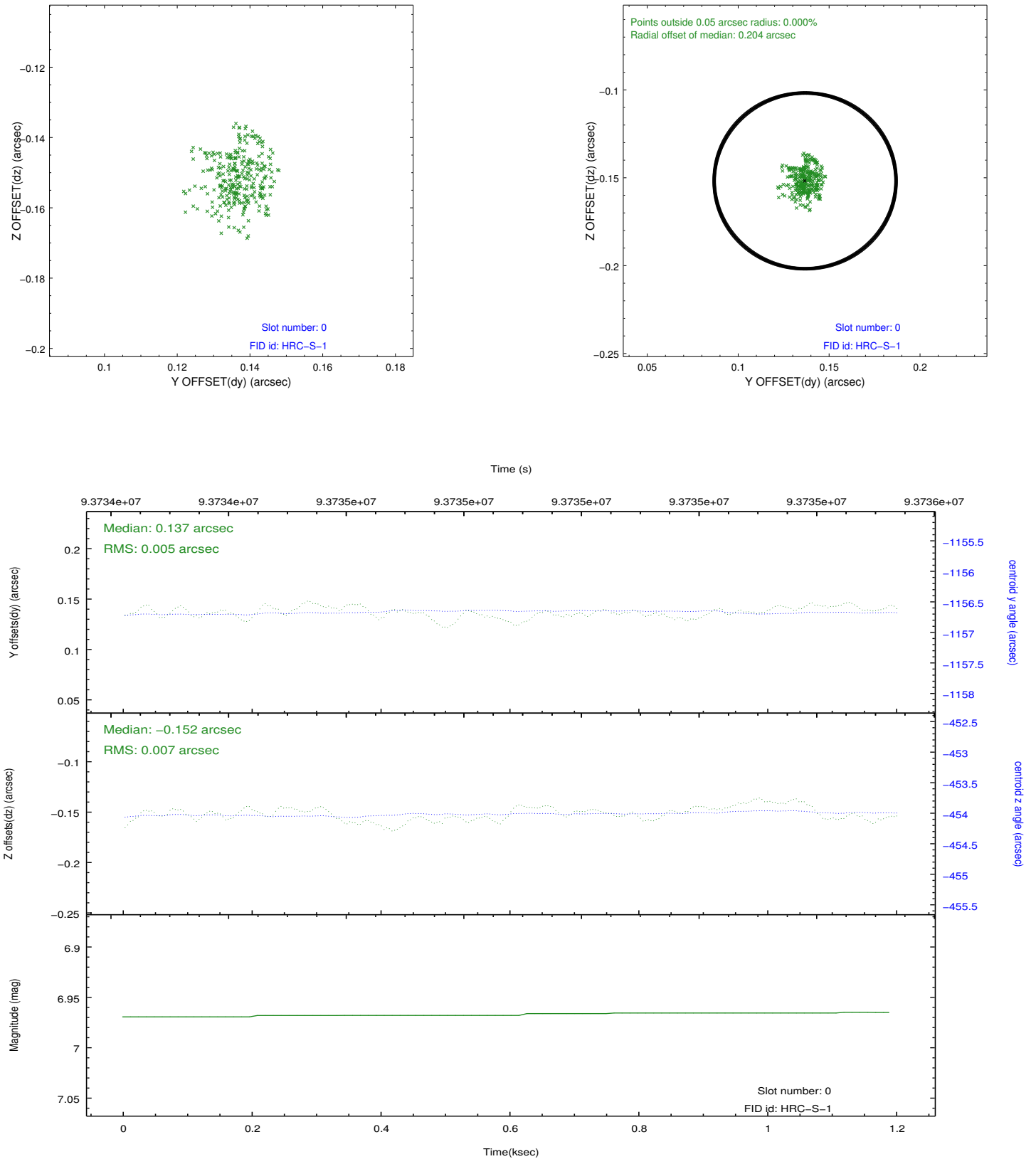


## 2.4.5 Slot 7

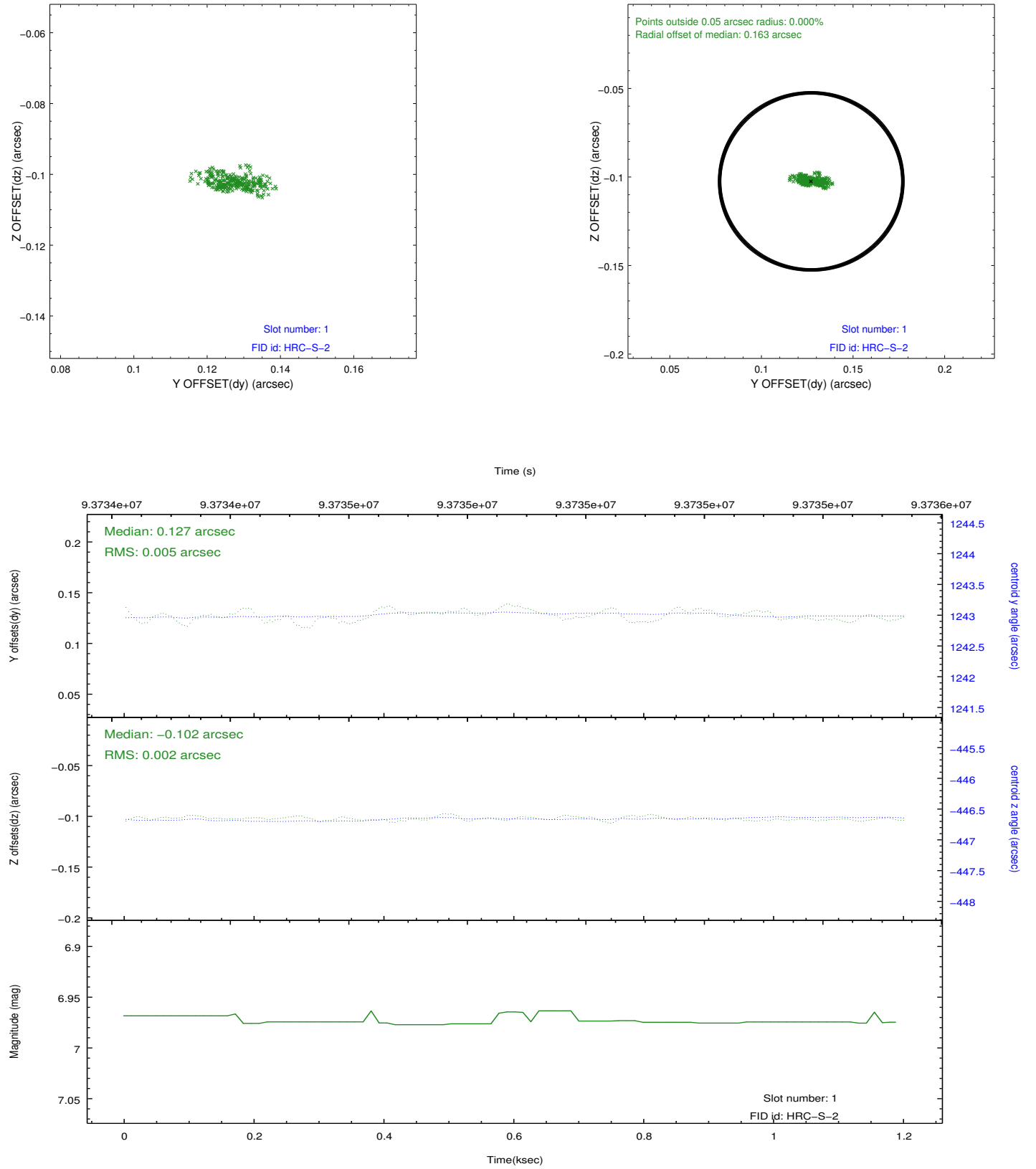


## 2.5 FID Slots

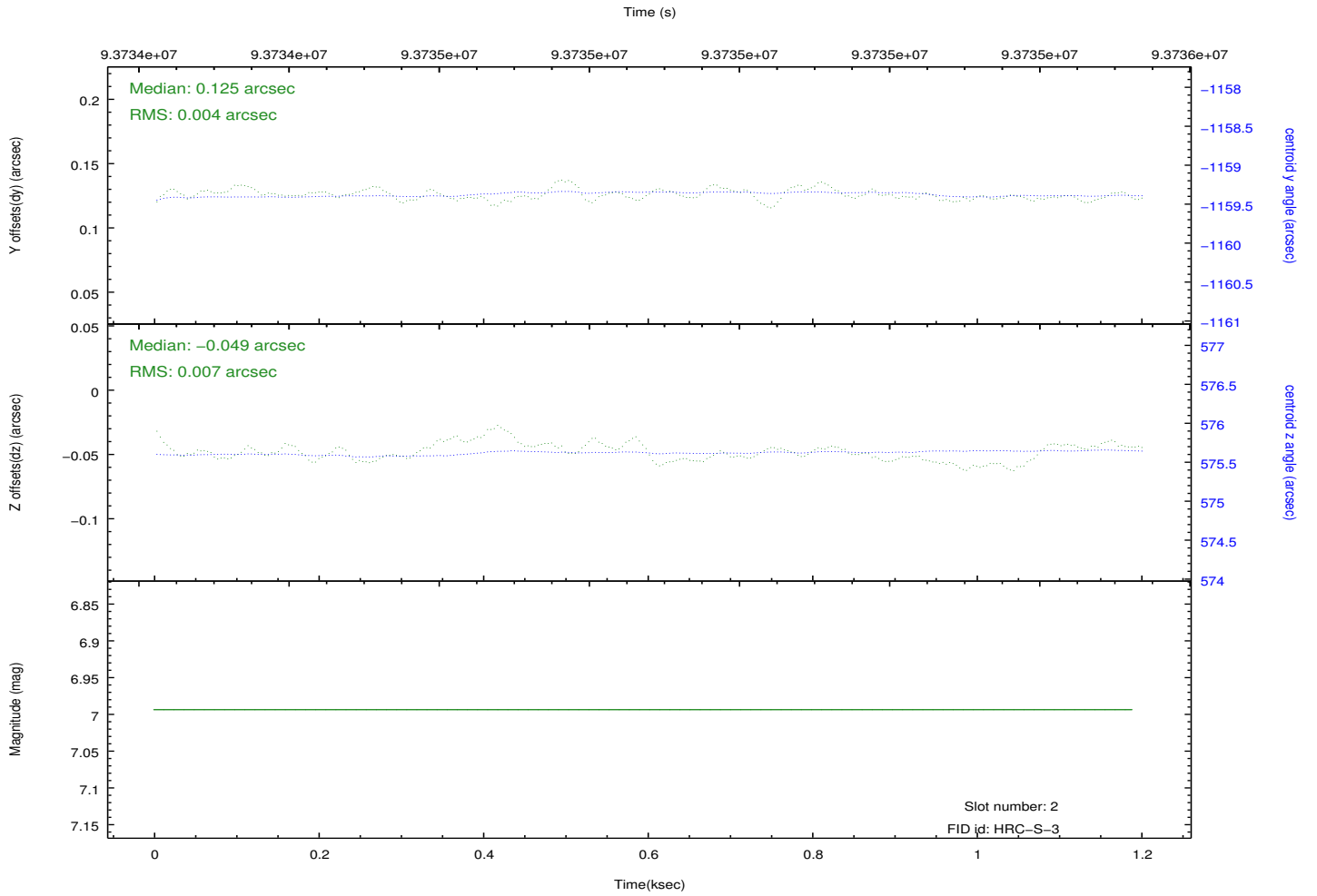
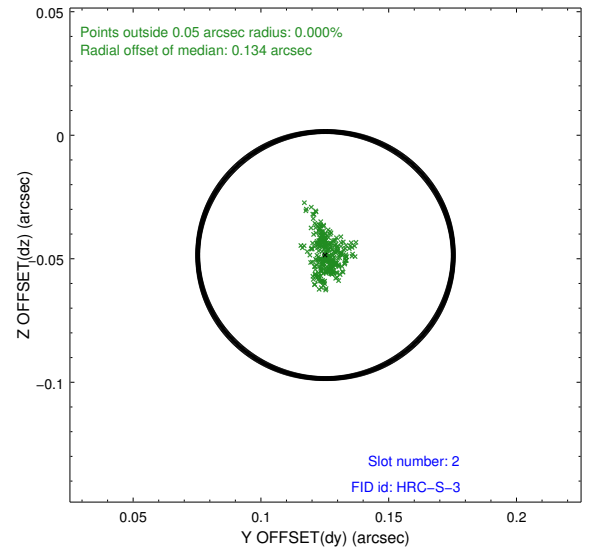
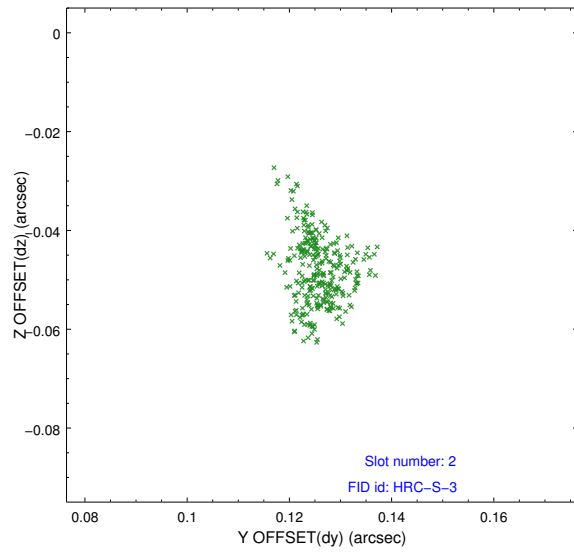
### 2.5.1 Slot 0



## 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)	2012.09.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.192

### A.2 Comments

Charge time for this ObsId remains at previous value of 1.192 ks, although with the current processing the charge time would have been 1.14 ksec.