

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2379 - L2 Version 5  
Chandra X-Ray Center

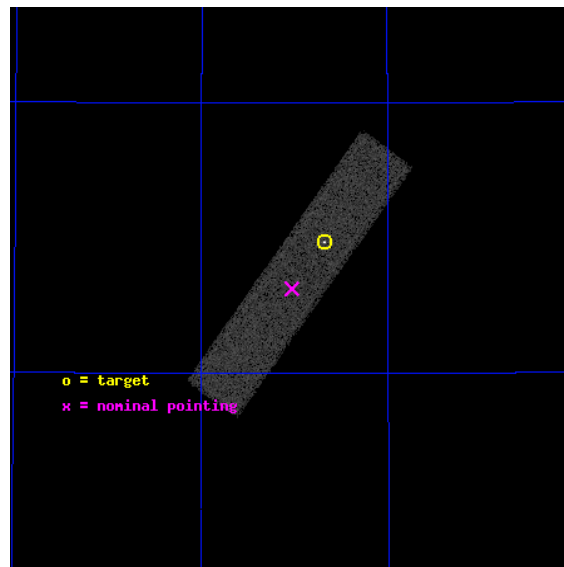
L2 Processing Date : Sep 4 2012

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# 1 Front

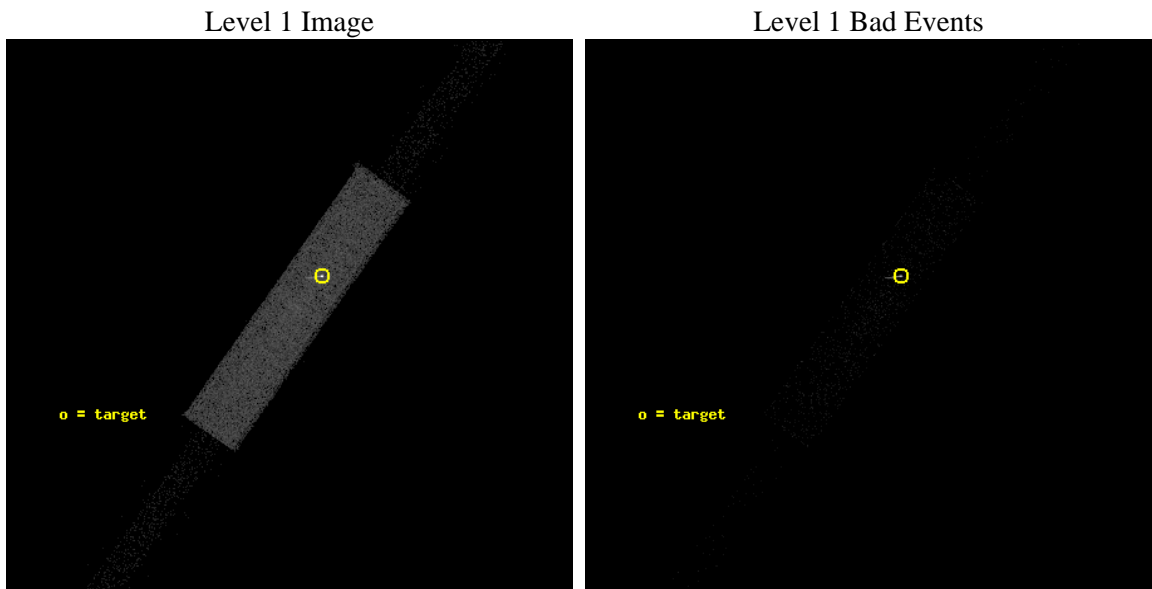
seq_num	290125	Sequence number
obs_id	2379	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-S,AO2	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.25711713157	Nominal RA [deg]
dec_nom	45.656338436393	Nominal Dec [deg]
roll_nom	305.2322115712	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1142.1062937081	[s]
livetime	1136.4531152543	Ontime multiplied by DTCOR
l2events	38495	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	1142.1062937081	[s]
caldbver	4.5.1.1	&#160	l1events	64191	Number of level 1 events
date	2012-09-05T01:26:17	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

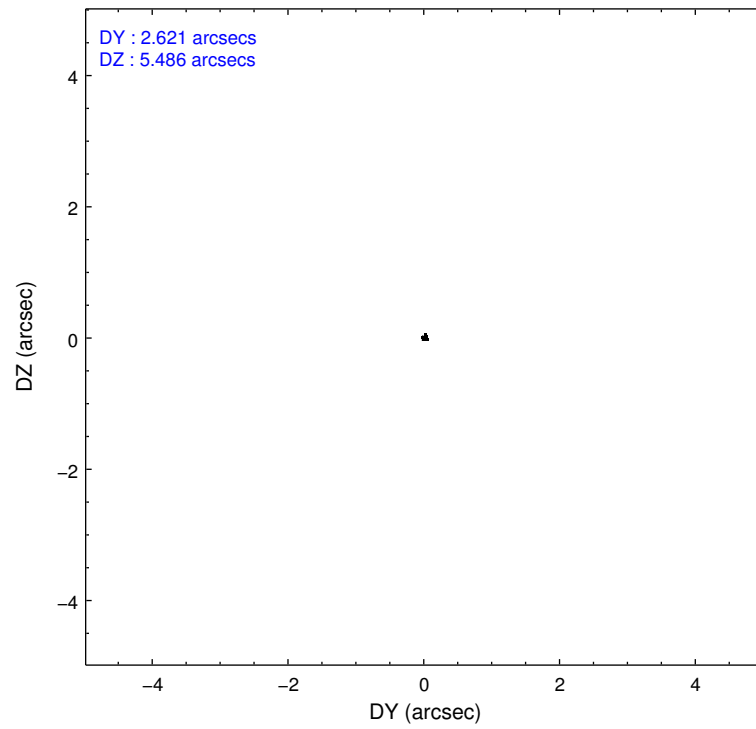
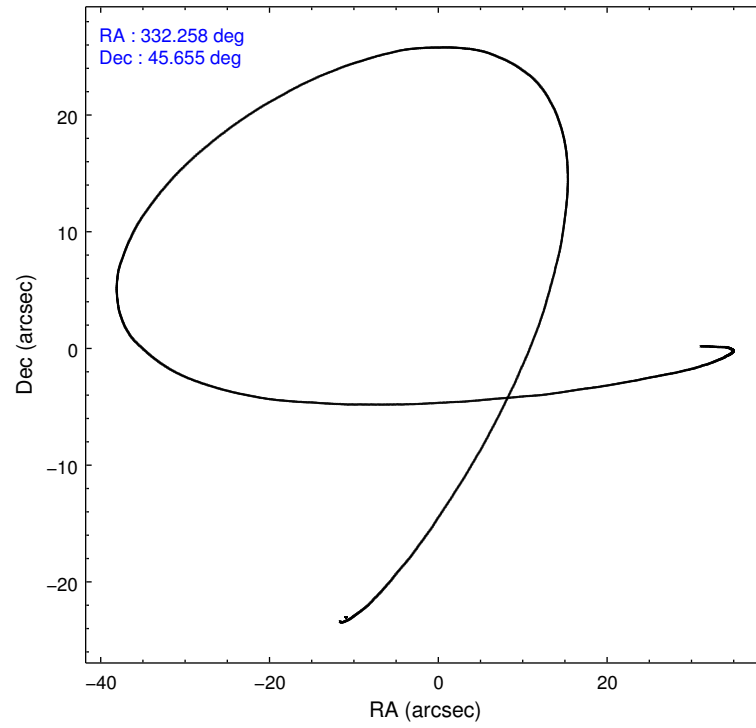
	segment 1	segment 2	segment 3
level 1 events	1063	62065	1063
rejected events	1063	14189	1063
rejected %	100%	22%	100%

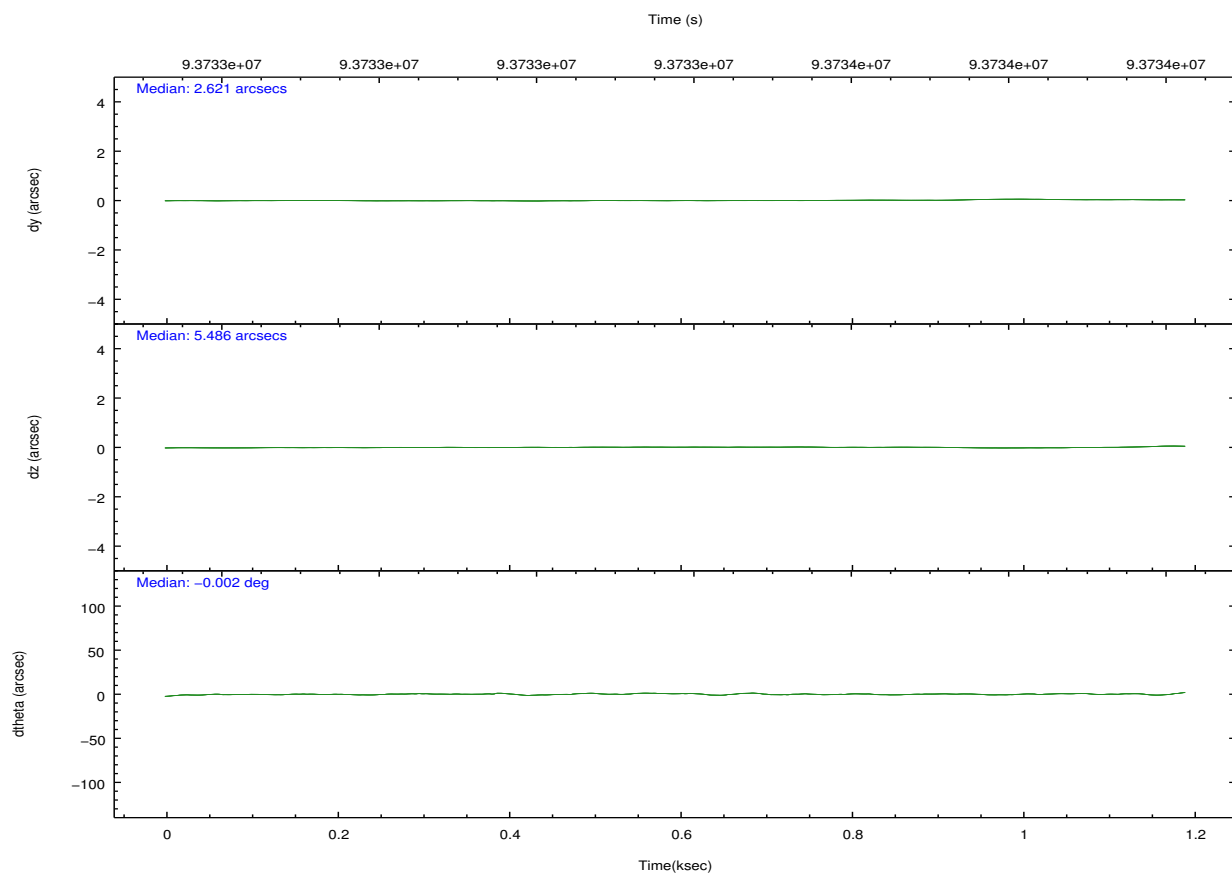
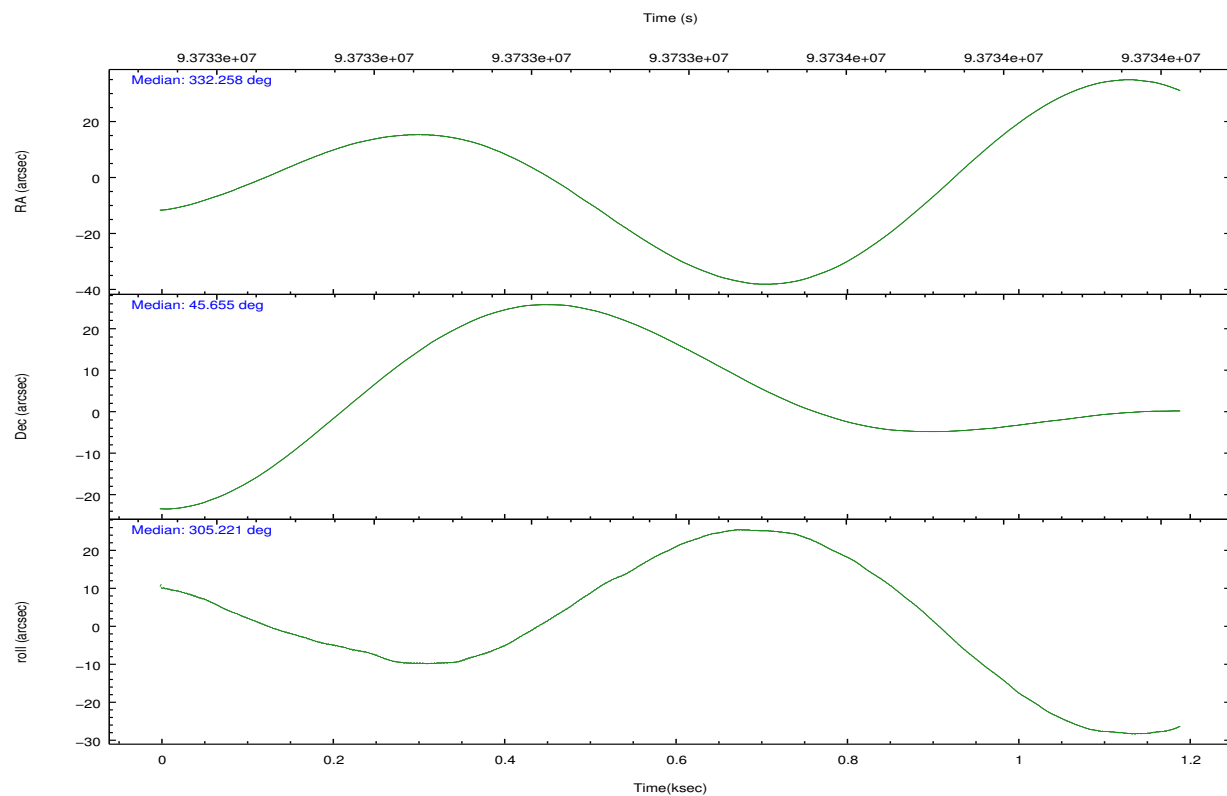
## 2.2 Compared Parameters

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	332.218266	332.2571171315688
[deg] Pointing Dec	45.667359	45.65633843639291
[deg] Pointing Roll	305.192635	305.2322115711977
[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)	93732972.184000	93732596.039451
Observation start date	2000-12-20T20:55:08	2000-12-20T20:49:56
[s] Observation end time (MET)	93733972.184000	93734105.864509
Observation end date	2000-12-20T21:11:48	2000-12-20T21:15:05

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

## 2.3 Aspect





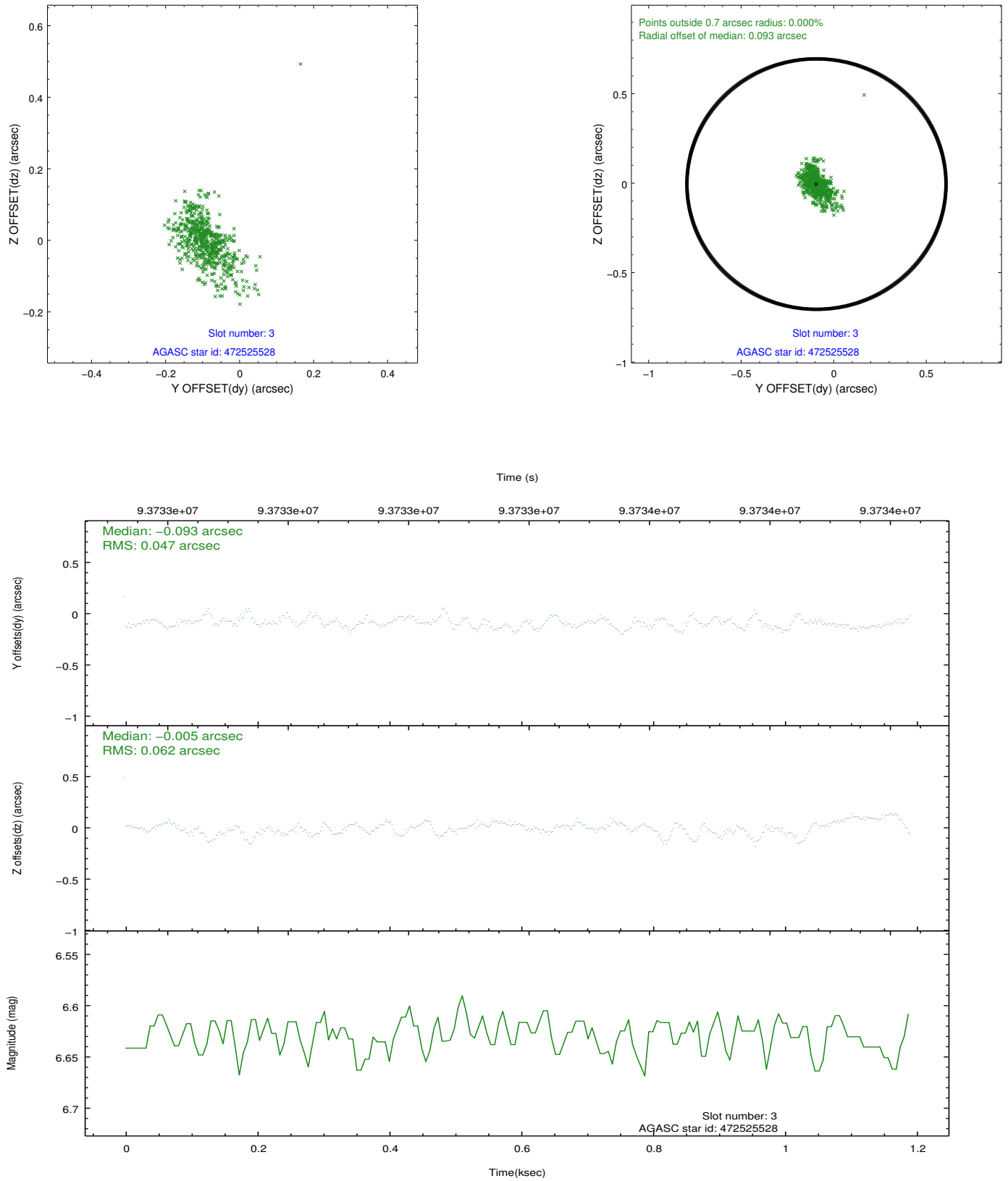
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.96	291	0.130	-0.155	0.007	0.013	0.000000	0.000000	-1156.68	-453.99
1	FID	HRC-S-2	6.97	291	0.131	-0.100	0.005	0.009	0.000000	0.000000	1239.03	-448.19
2	FID	HRC-S-3	6.99	291	0.130	-0.046	0.007	0.012	0.000000	0.000000	-1155.12	574.11
3	GUIDE	472525528	6.63	582	-0.093	-0.005	0.076	0.140	331.551102	45.248694	250.18	-2248.42
4	GUIDE	472665256	9.02	582	-0.106	-0.088	0.077	0.124	332.808125	46.195041	-711.48	2293.10
5	GUIDE	420754040	9.09	582	0.094	-0.080	0.099	0.159	331.917939	44.882543	1864.04	-2251.30
6	GUIDE	472659832	9.47	582	0.030	0.063	0.097	0.154	332.780399	46.098139	-461.42	2037.49
7	GUIDE	472655152	9.43	581	0.071	0.121	0.108	0.333	332.504239	45.862991	-165.89	994.10

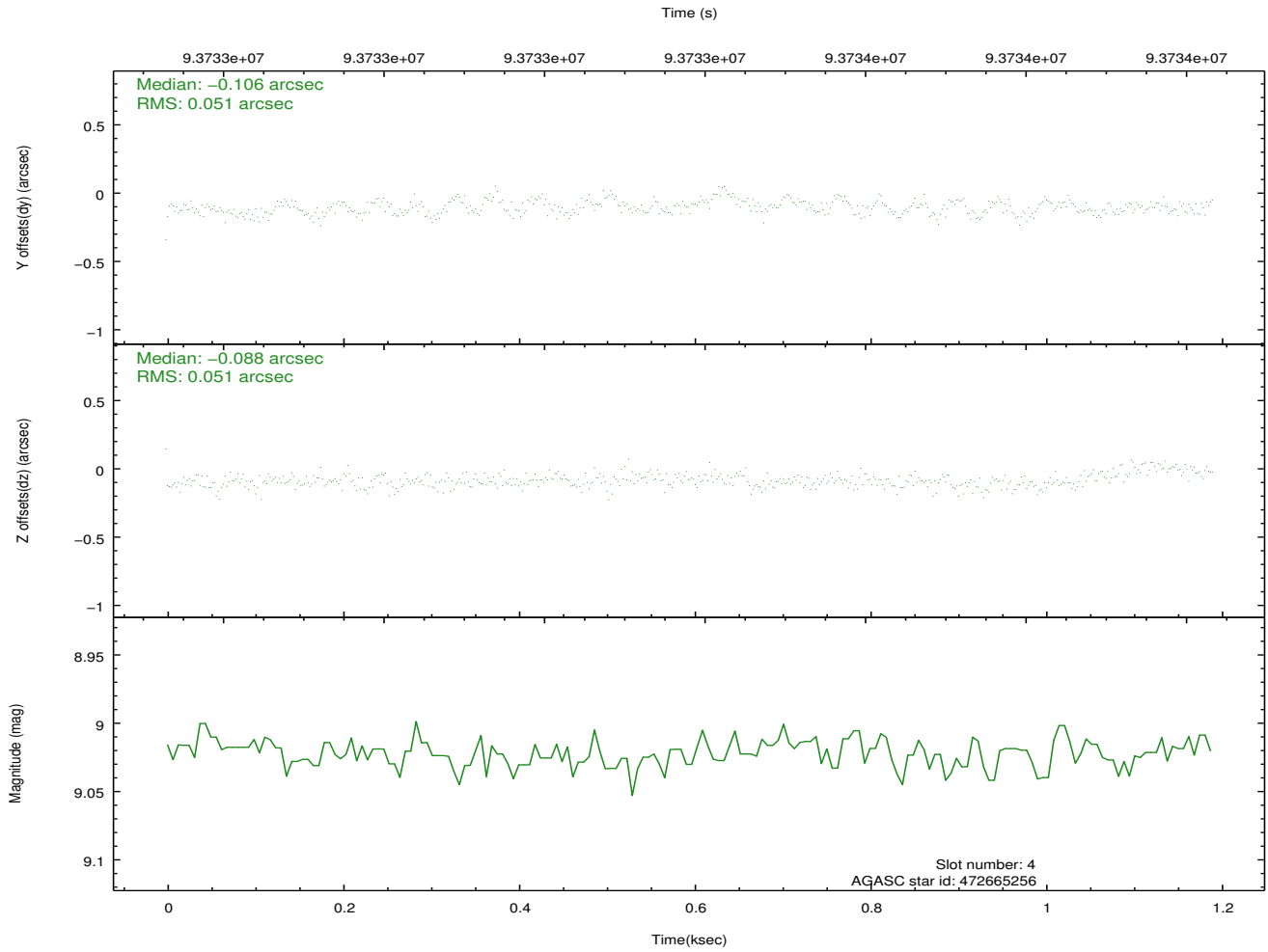
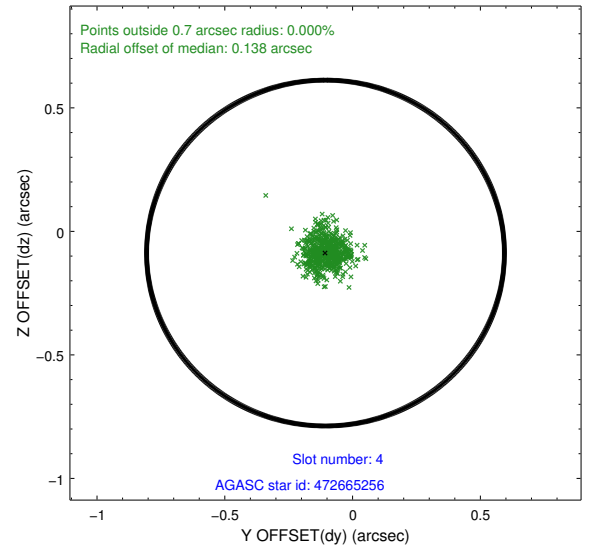
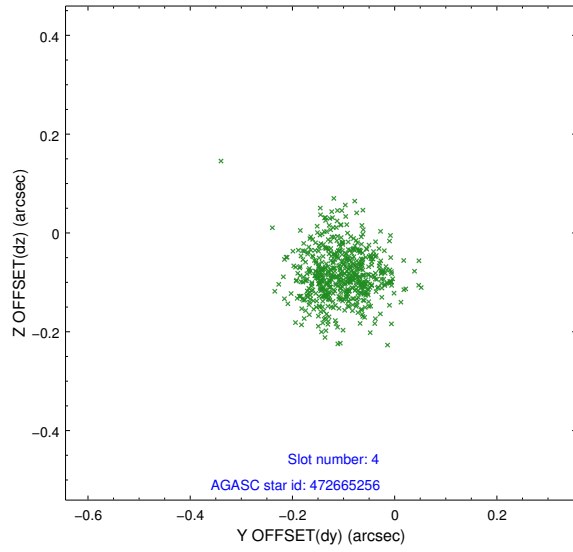


## 2.4 Star Slots

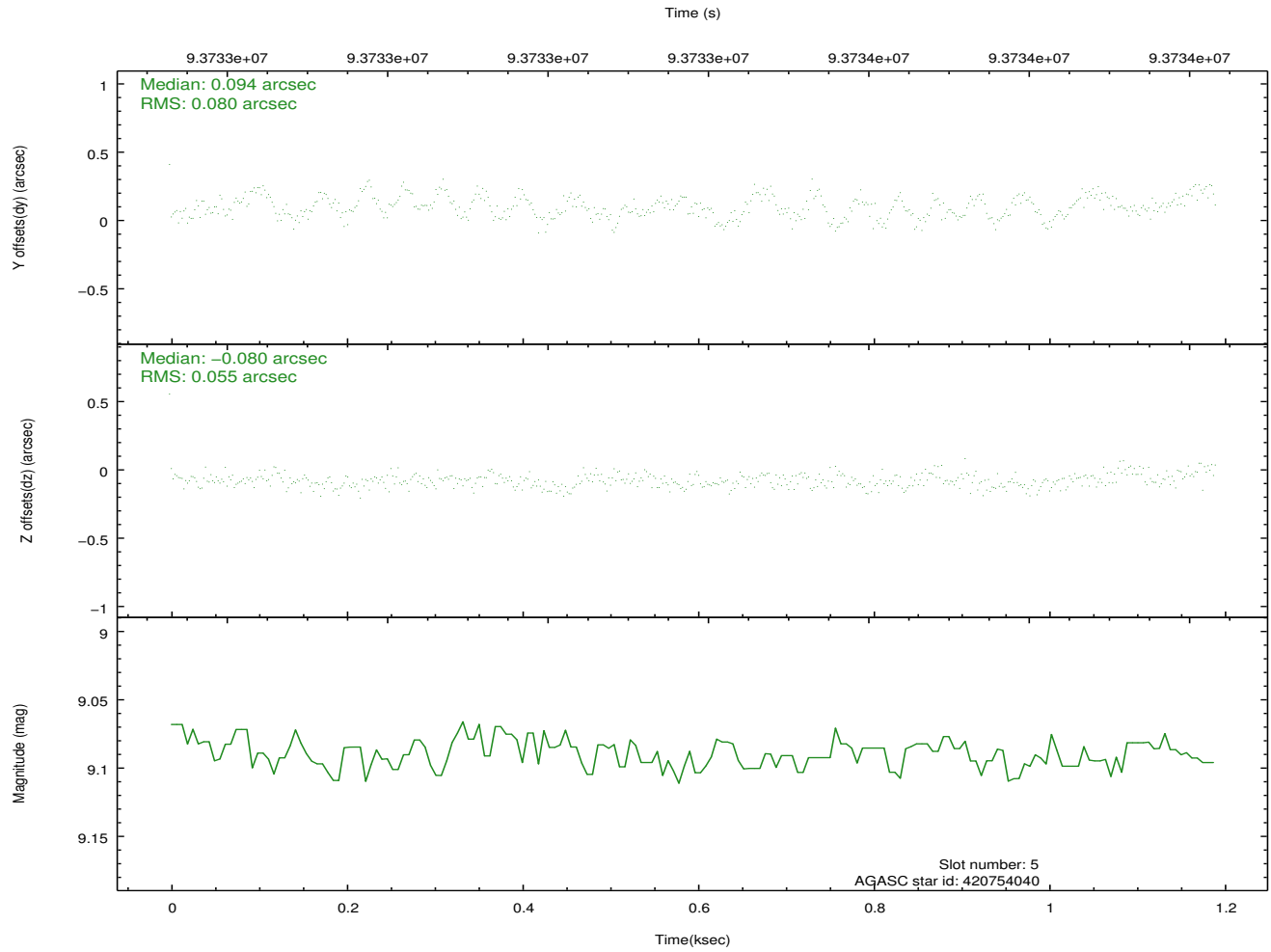
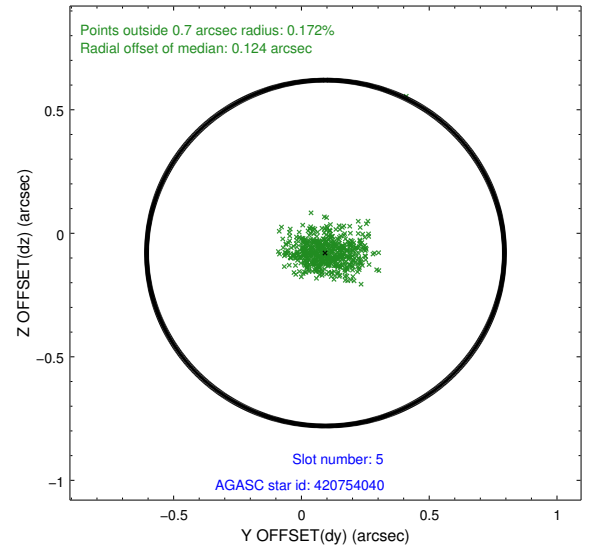
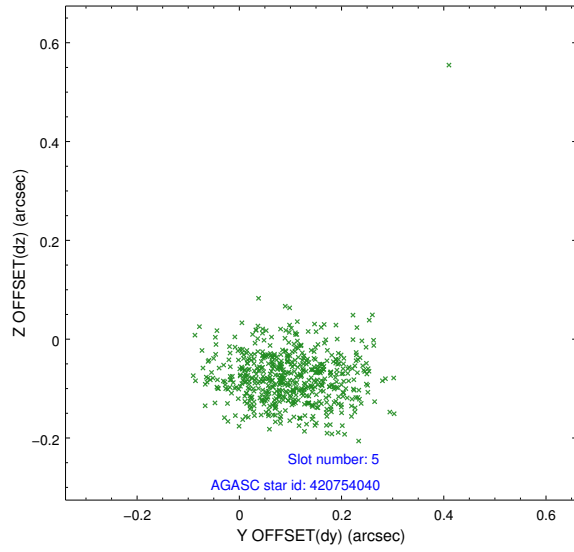
### 2.4.1 Slot 3



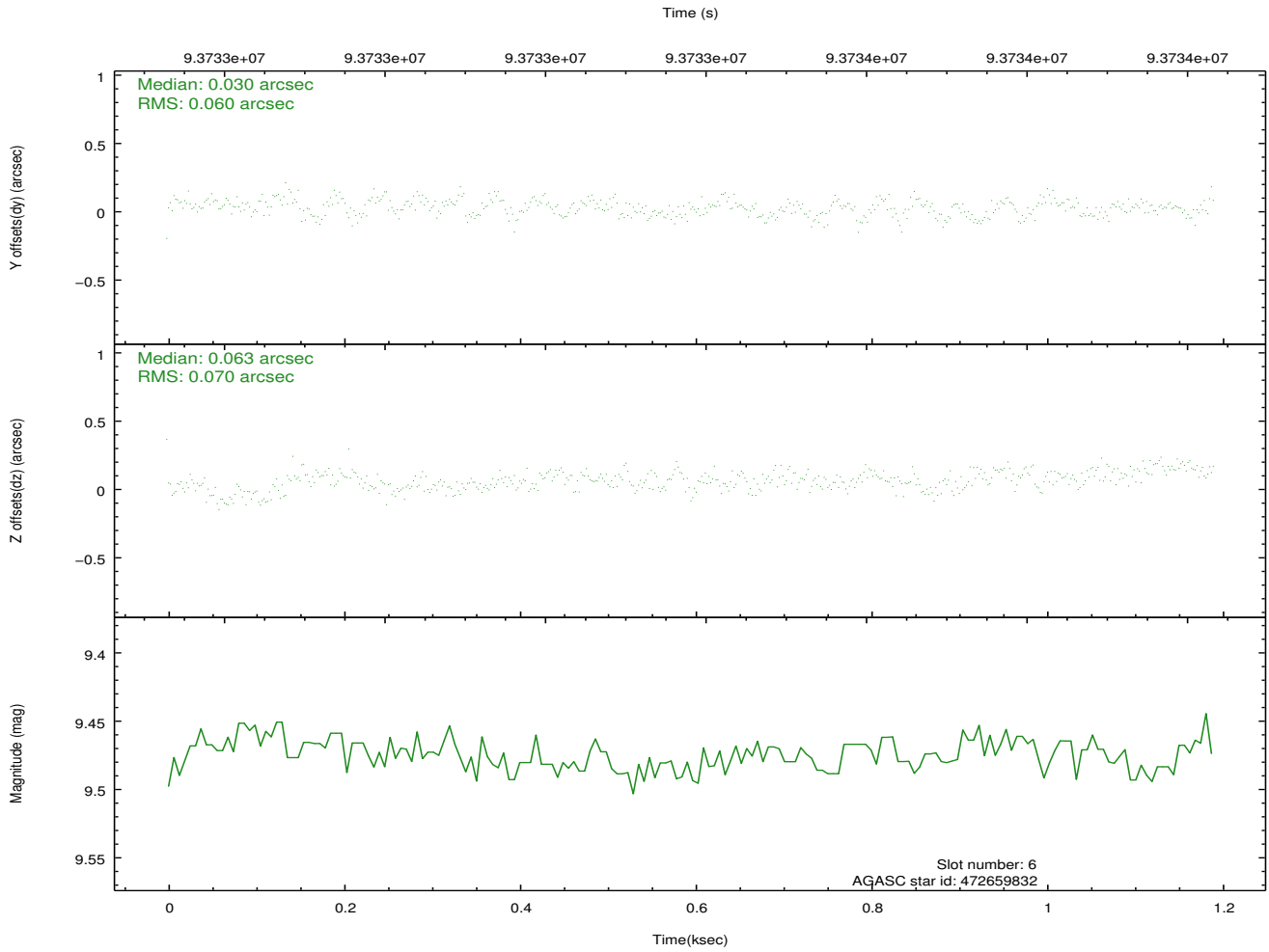
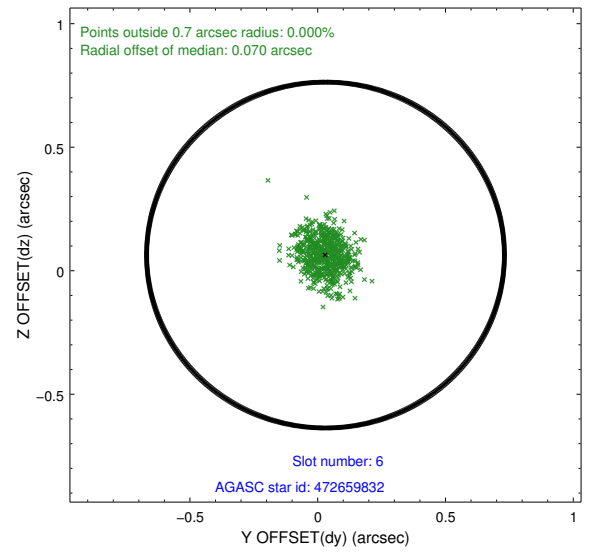
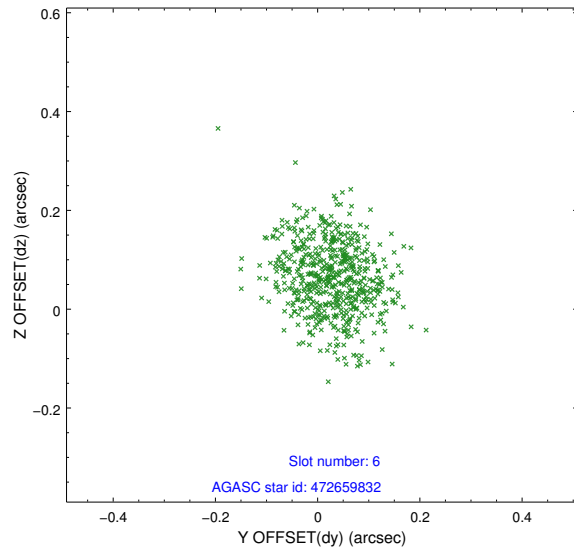
## 2.4.2 Slot 4



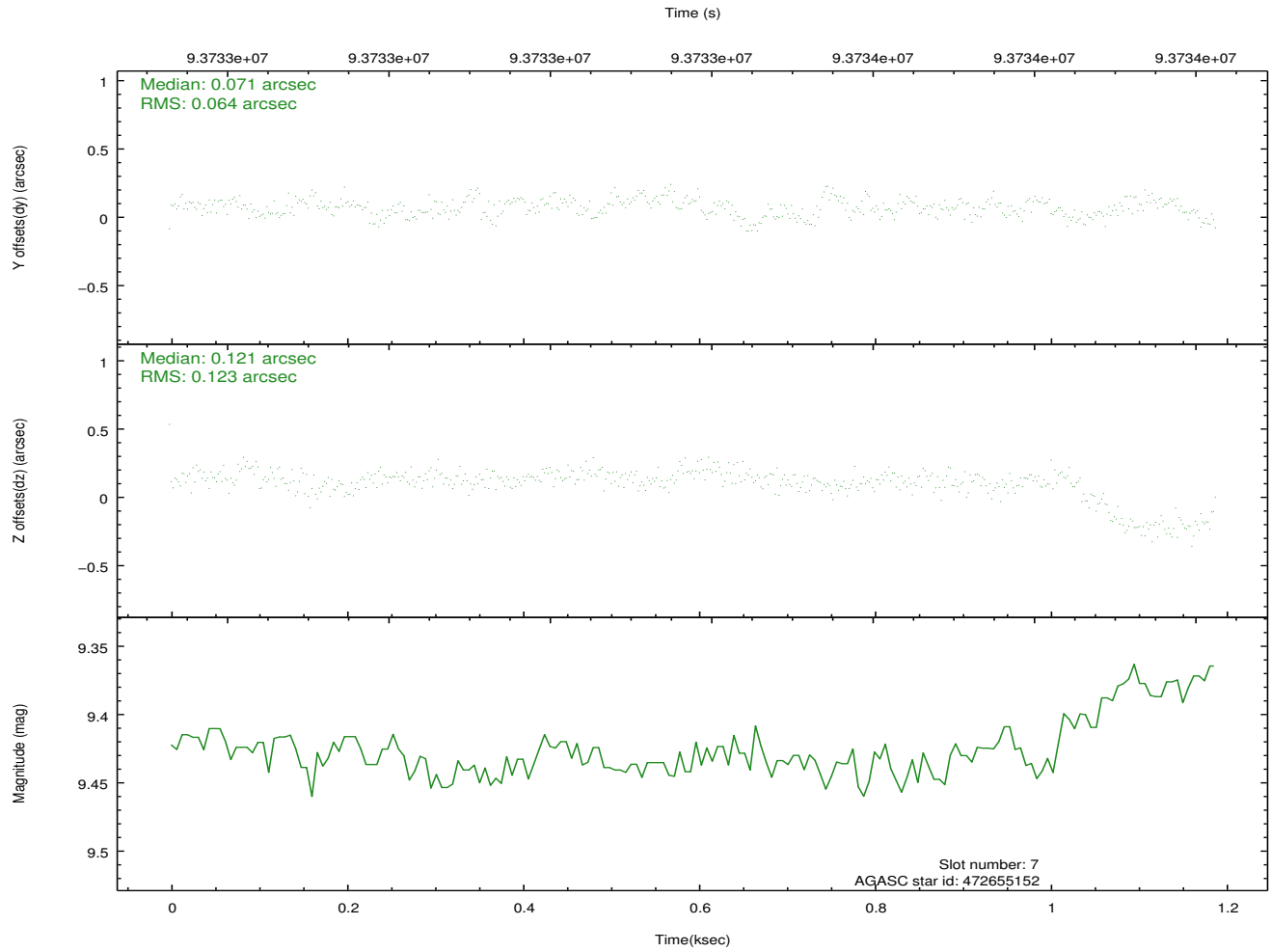
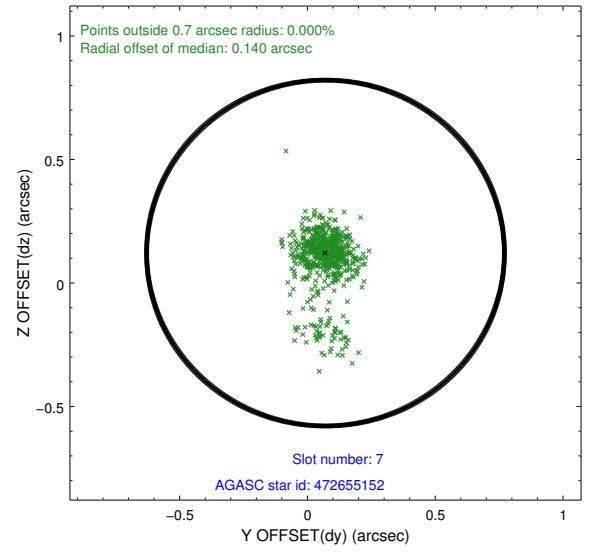
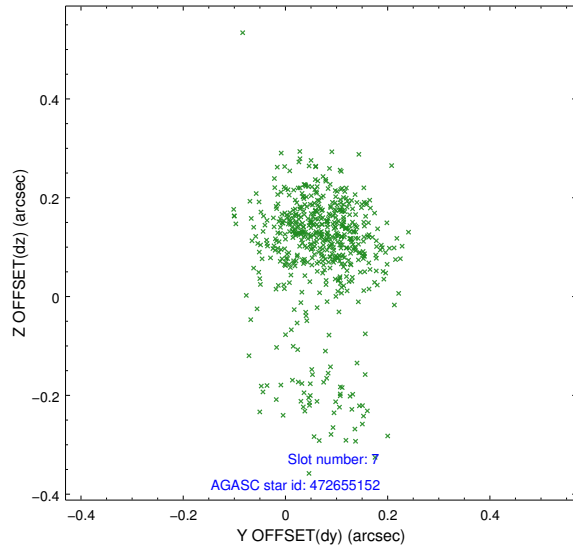
### 2.4.3 Slot 5



## 2.4.4 Slot 6

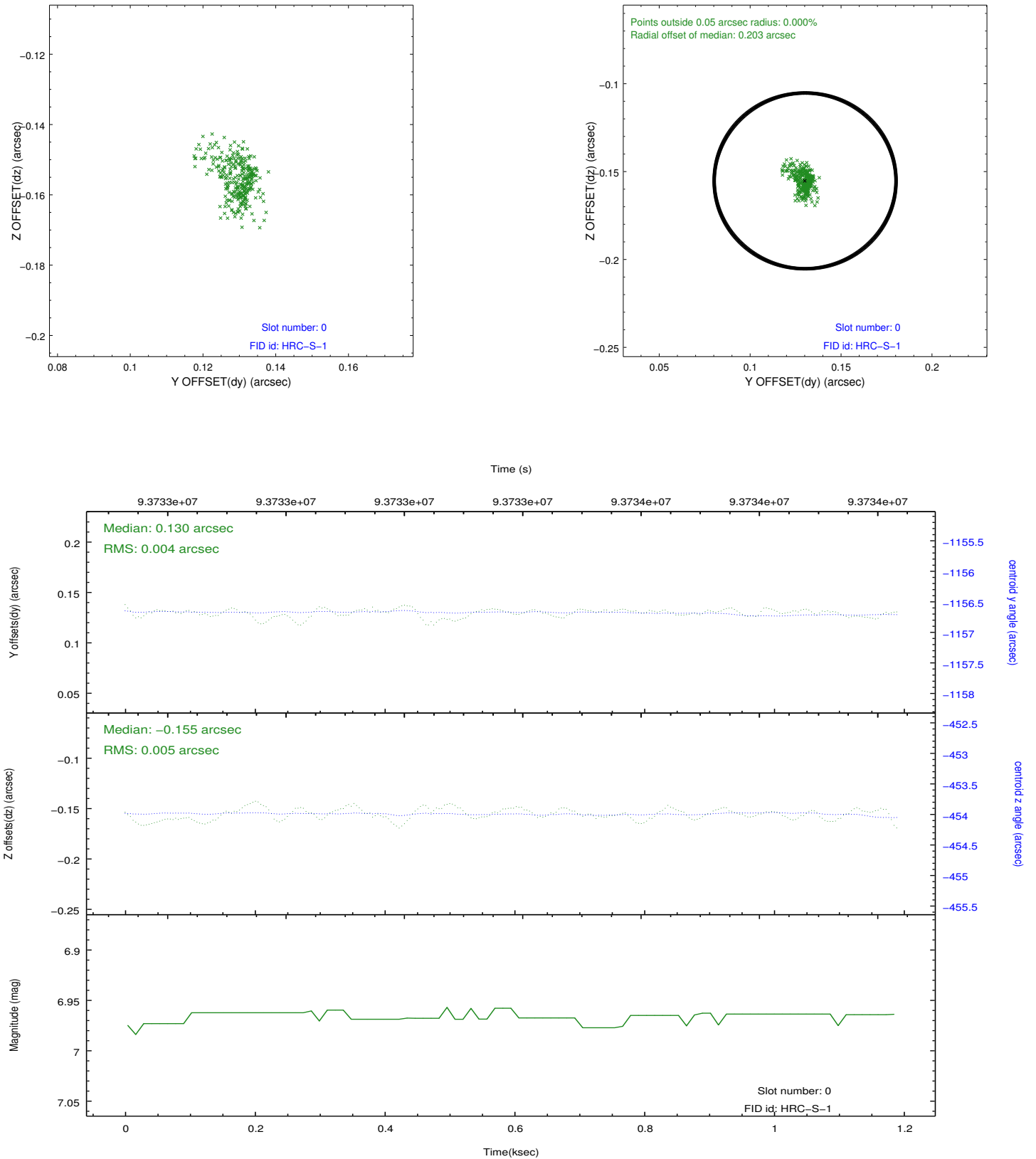


## 2.4.5 Slot 7

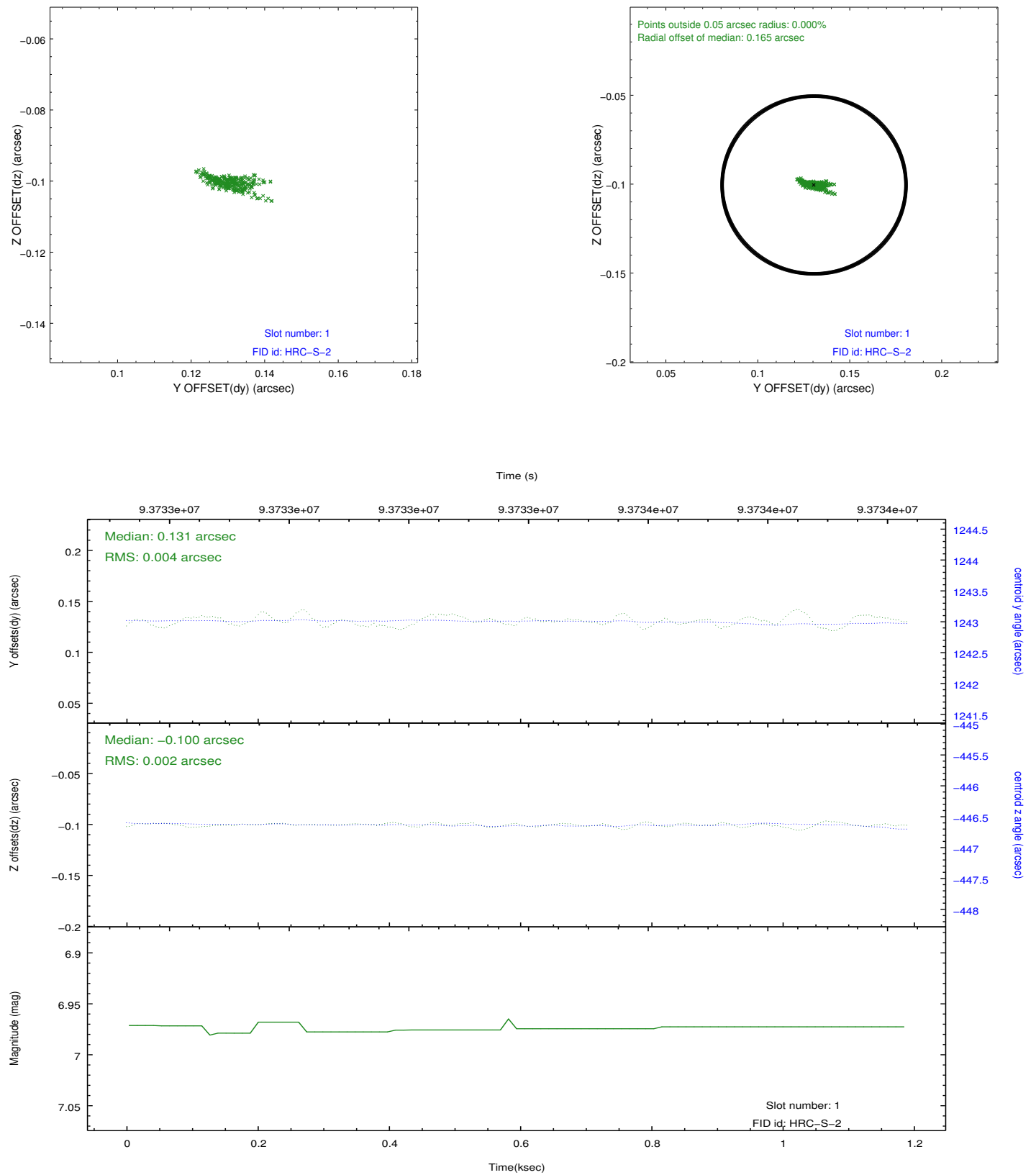


## 2.5 FID Slots

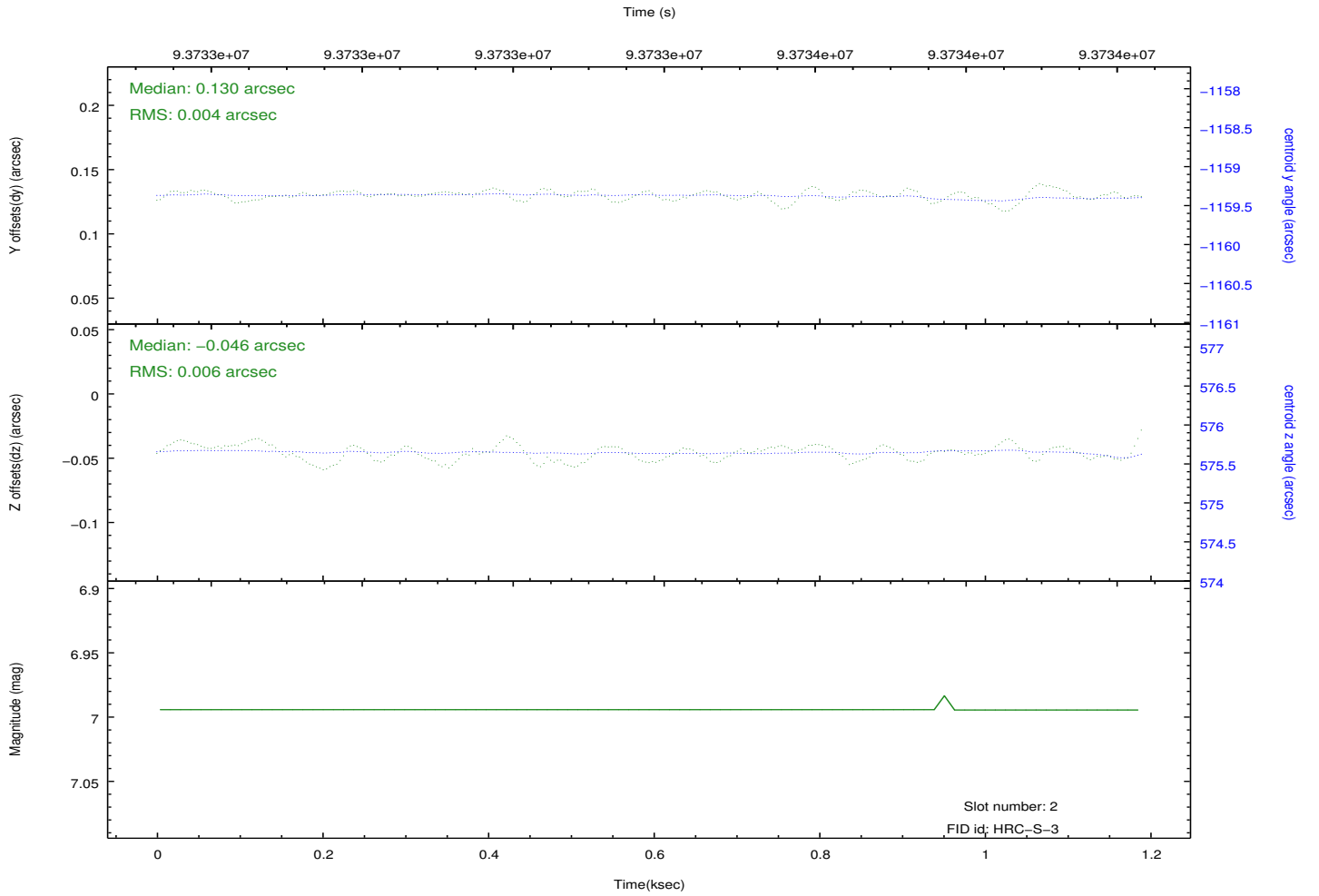
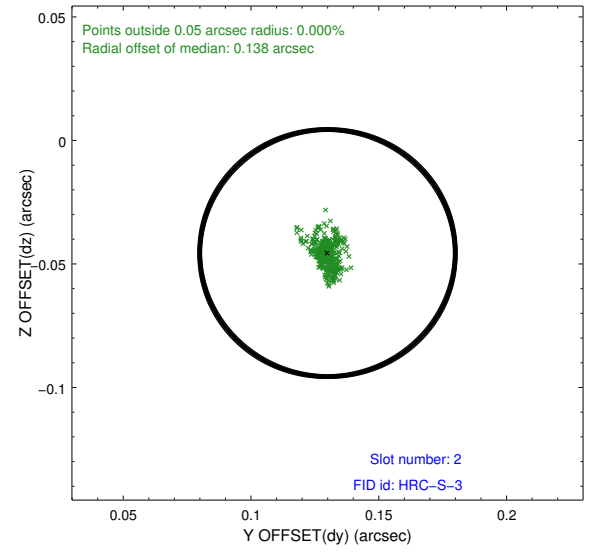
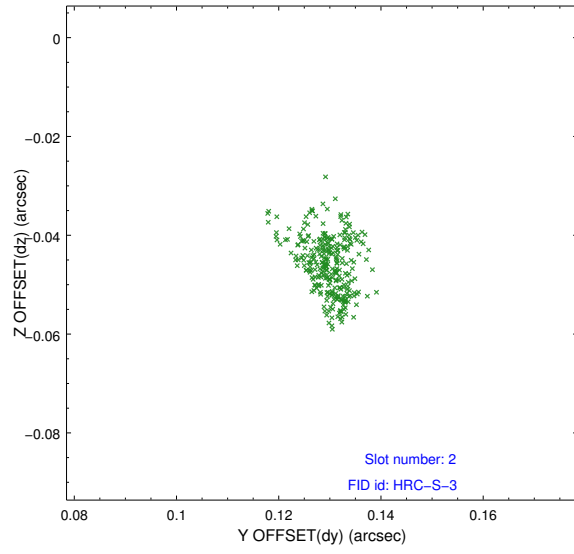
### 2.5.1 Slot 0



## 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	1.19

## A.2 Comments

Charge time for this ObsId remains at previous value of 1.19 ks, although with the current processing the charge time would have been 1.14 ksec.