

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2378 - L2 Version 5  
Chandra X-Ray Center

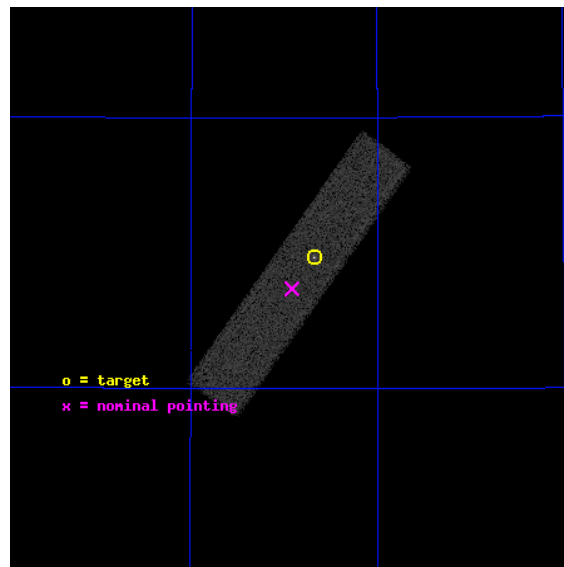
L2 Processing Date : Sep 4 2012

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# 1 Front

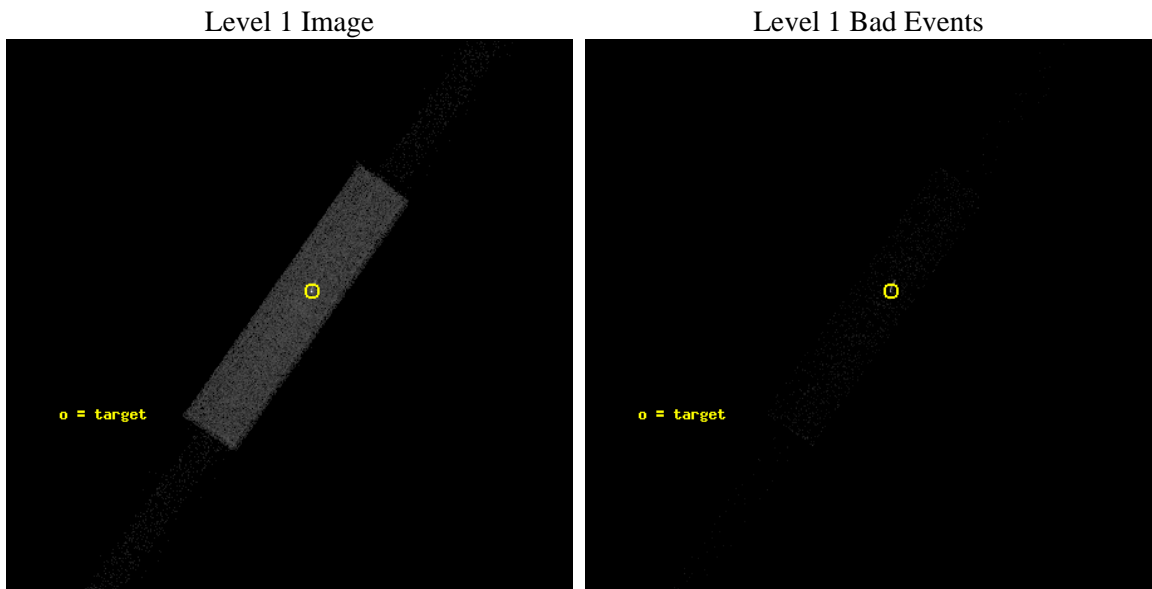
seq_num	290124	Sequence number
obs_id	2378	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-S,AO2	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22920472029	Nominal RA [deg]
dec_nom	45.684363342043	Nominal Dec [deg]
roll_nom	305.23818823464	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1143.1312937289	[s]
livetime	1137.3825945598	Ontime multiplied by DTCOR
l2events	39472	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	1143.1312937289	[s]
caldsver	4.5.1.1	&#160	l1events	64827	Number of level 1 events
date	2012-09-05T01:26:10	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

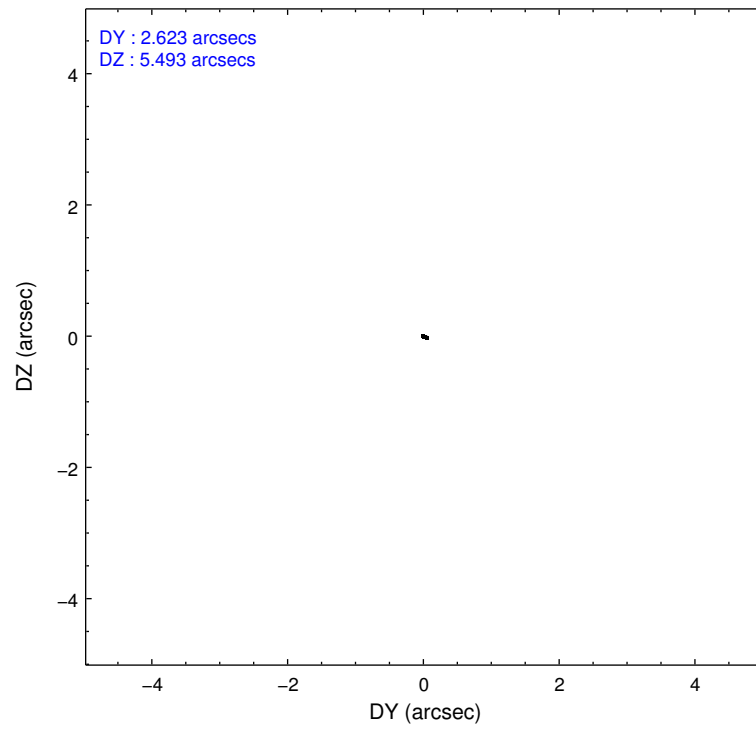
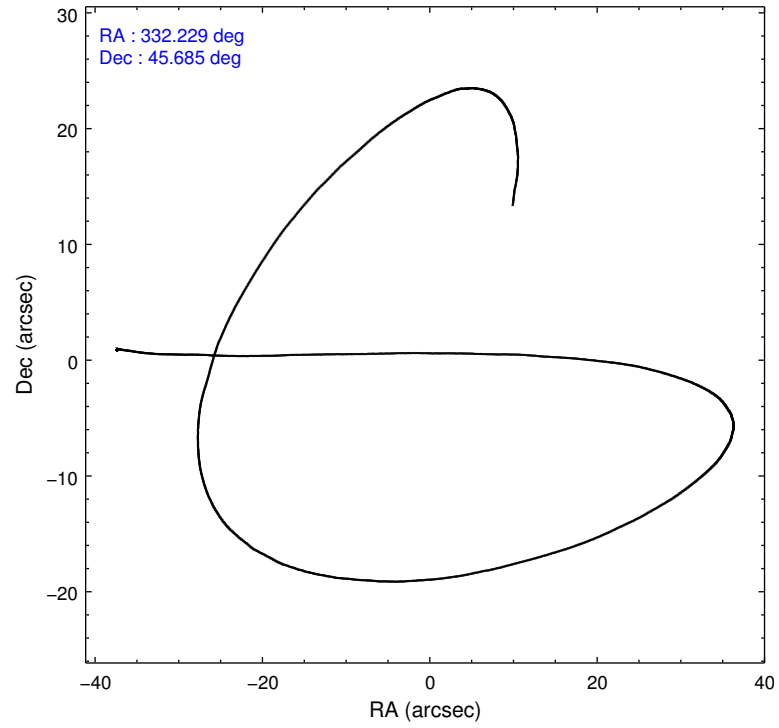
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	990	62859	978
rejected events	990	14002	978
rejected %	100%	22%	100%

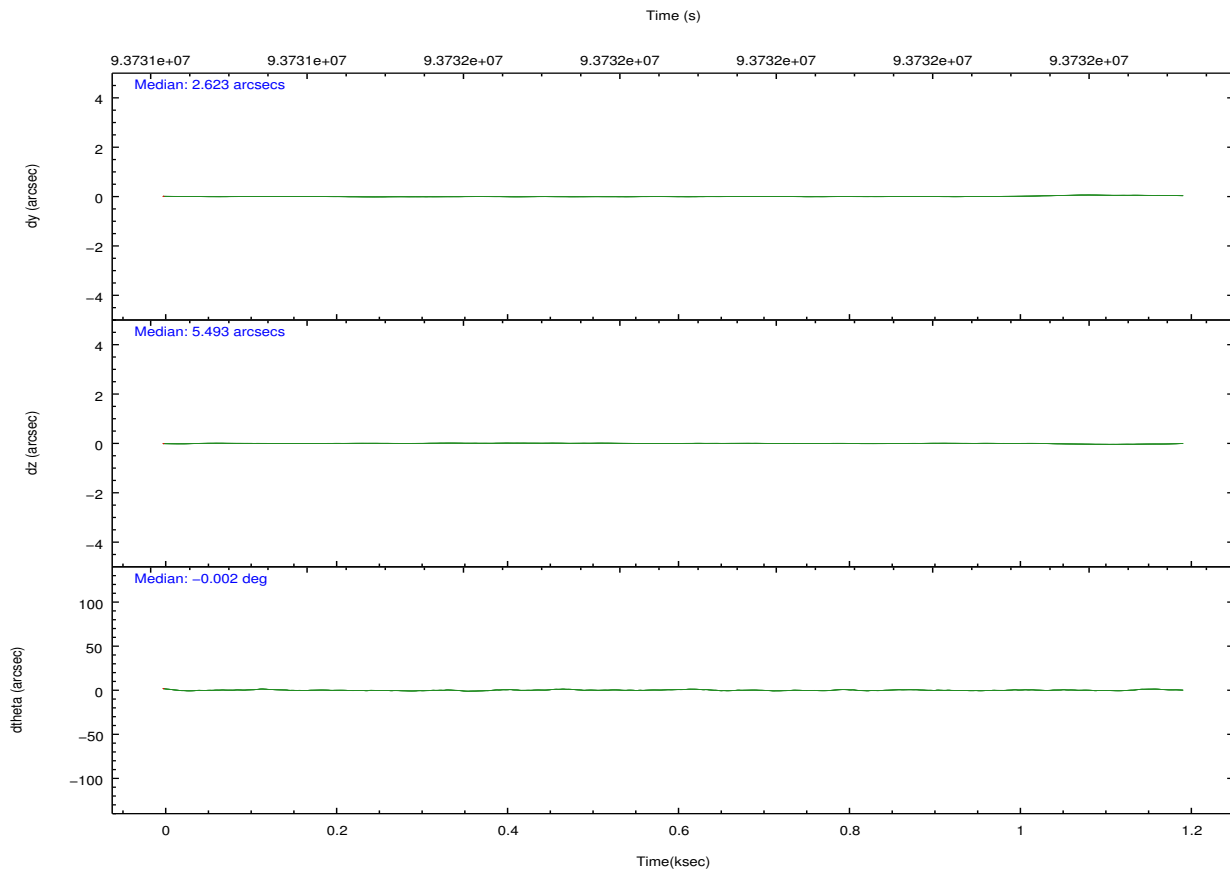
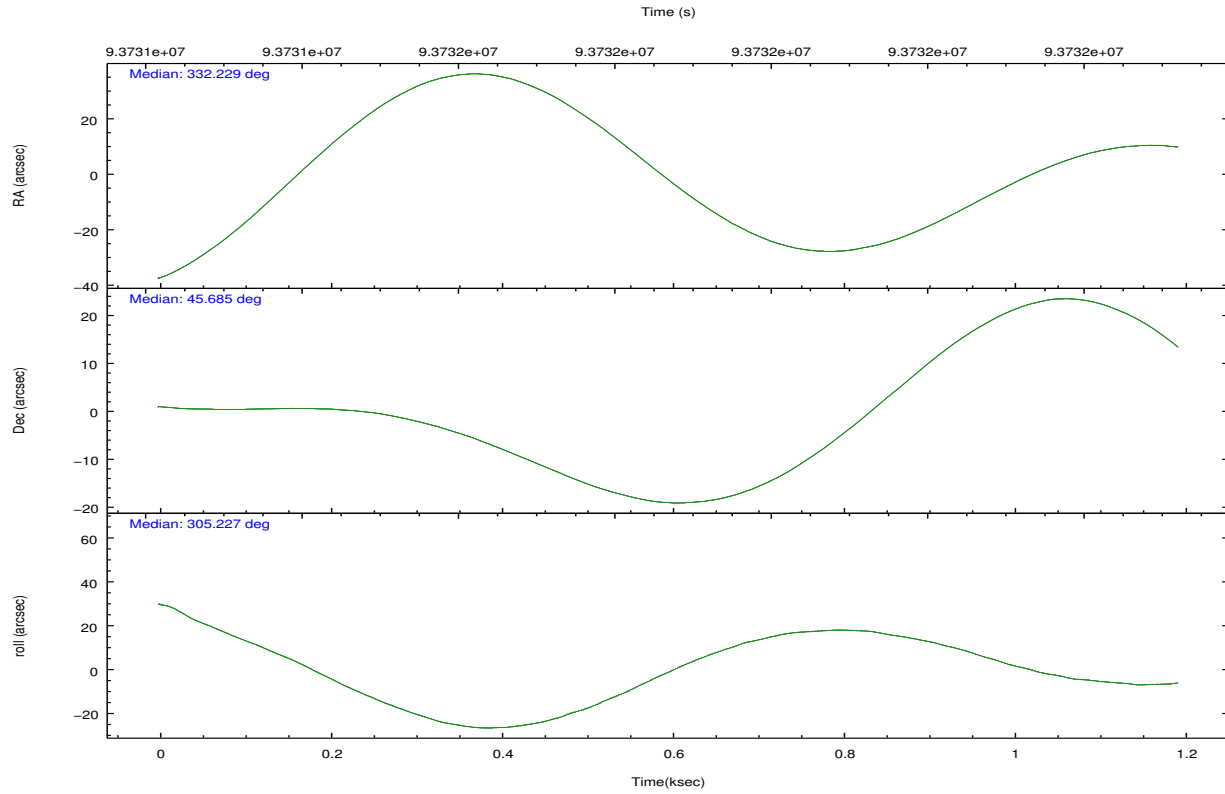
## 2.2 Compared Parameters

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	332.190749	332.2292047202859
[deg] Pointing Dec	45.694592	45.68436334204289
[deg] Pointing Roll	305.198393	305.2381882346365
[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)	93731462.184000	93731086.214394
Observation start date	2000-12-20T20:29:58	2000-12-20T20:24:46
[s] Observation end time (MET)	93732462.184000	93732596.039451
Observation end date	2000-12-20T20:46:38	2000-12-20T20:49:56

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

## 2.3 Aspect





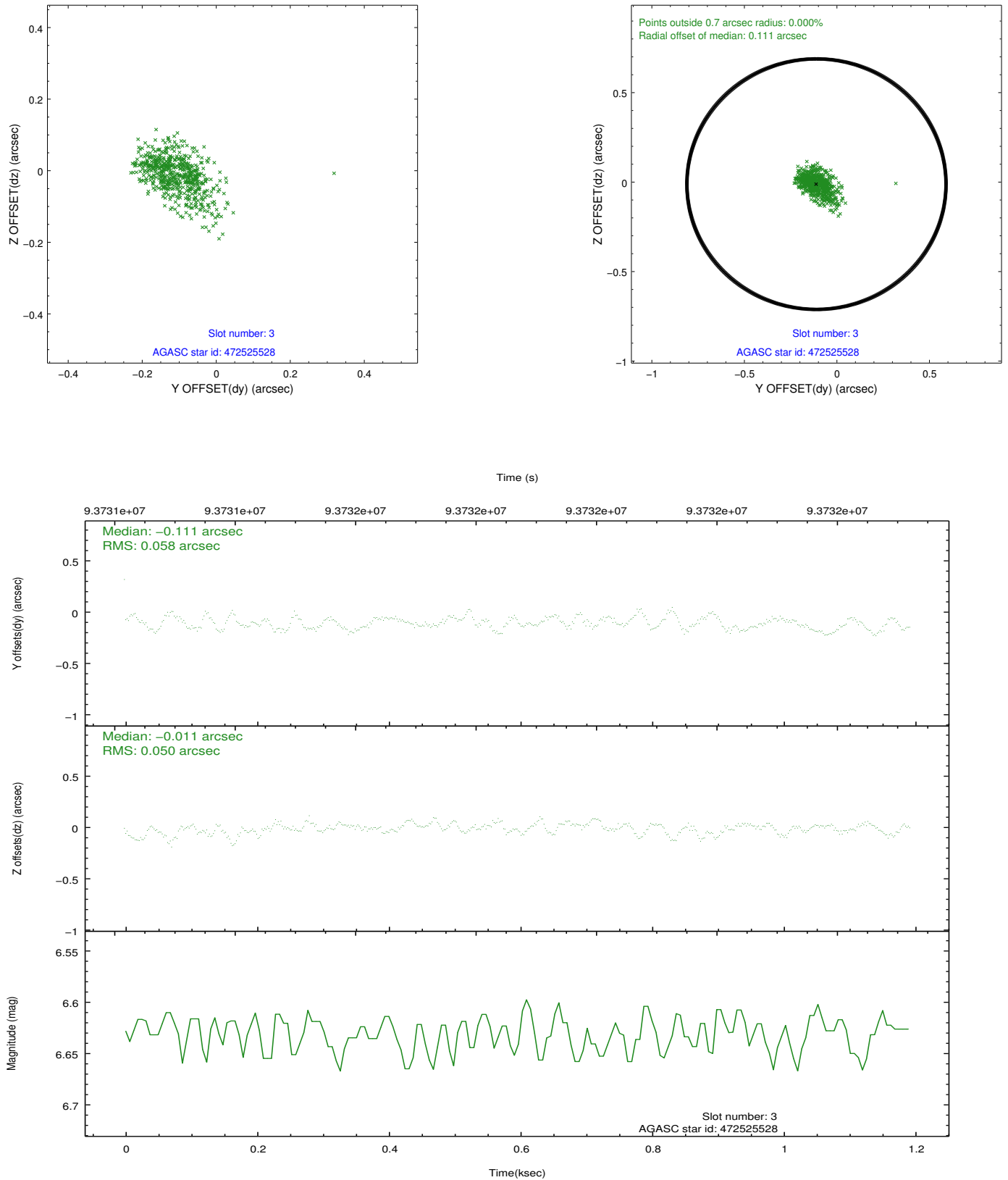
### Slot Statistics

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	292	0.136	-0.151	0.007	0.010	0.000000	0.000000	-1156.68	-453.99
1	FID	HRC-S-2	6.97	292	0.127	-0.102	0.004	0.008	0.000000	0.000000	1239.04	-448.20
2	FID	HRC-S-3	7.00	292	0.127	-0.050	0.007	0.010	0.000000	0.000000	-1155.14	574.11
3	GUIDE	472525528	6.63	583	-0.111	-0.011	0.078	0.129	331.551102	45.248694	373.56	-2249.20
4	GUIDE	472665256	9.02	582	-0.133	-0.100	0.072	0.117	332.808125	46.195041	-589.04	2292.04
5	GUIDE	420754040	9.09	583	0.071	-0.100	0.098	0.154	331.917939	44.882543	1987.62	-2251.73
6	GUIDE	472659832	9.47	582	-0.018	0.083	0.092	0.158	332.780399	46.098139	-338.93	2036.58
7	GUIDE	472646552	9.63	578	0.185	0.118	0.098	0.168	333.120915	45.571877	1701.46	1669.83

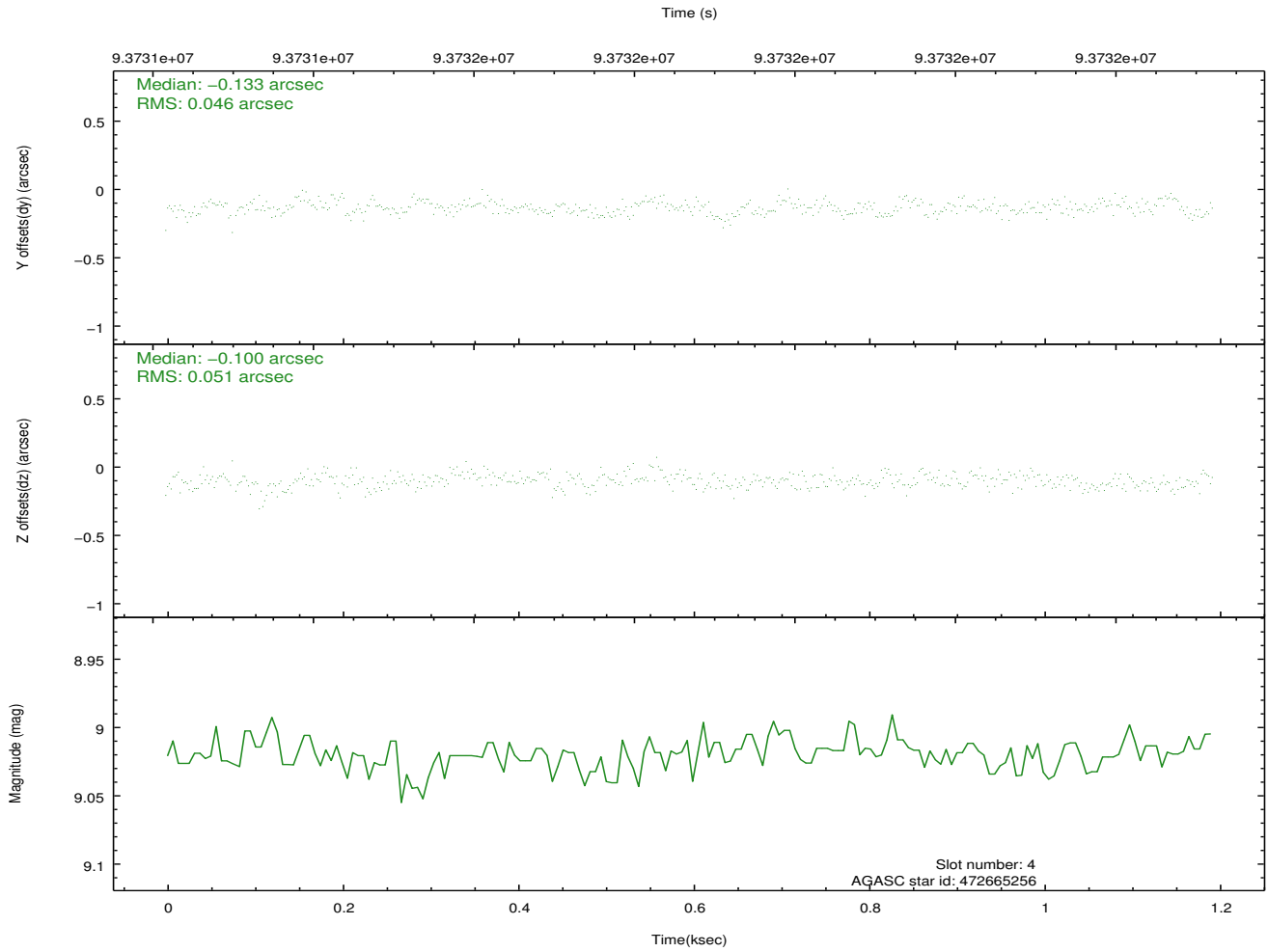
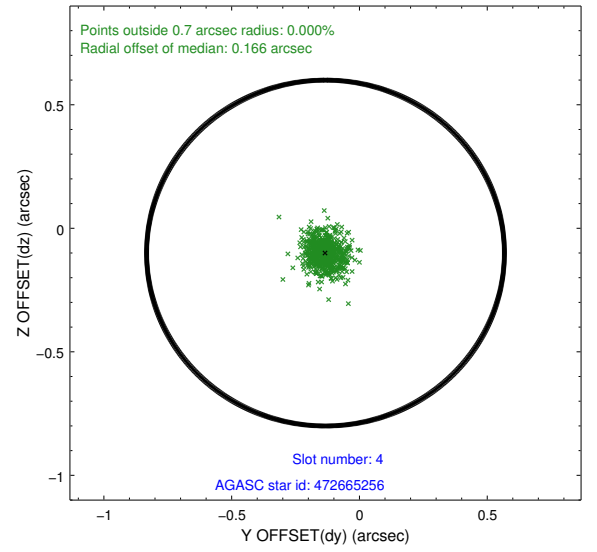
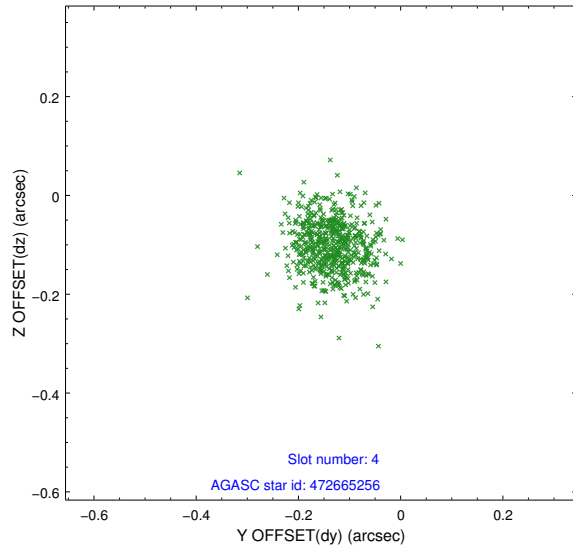


## 2.4 Star Slots

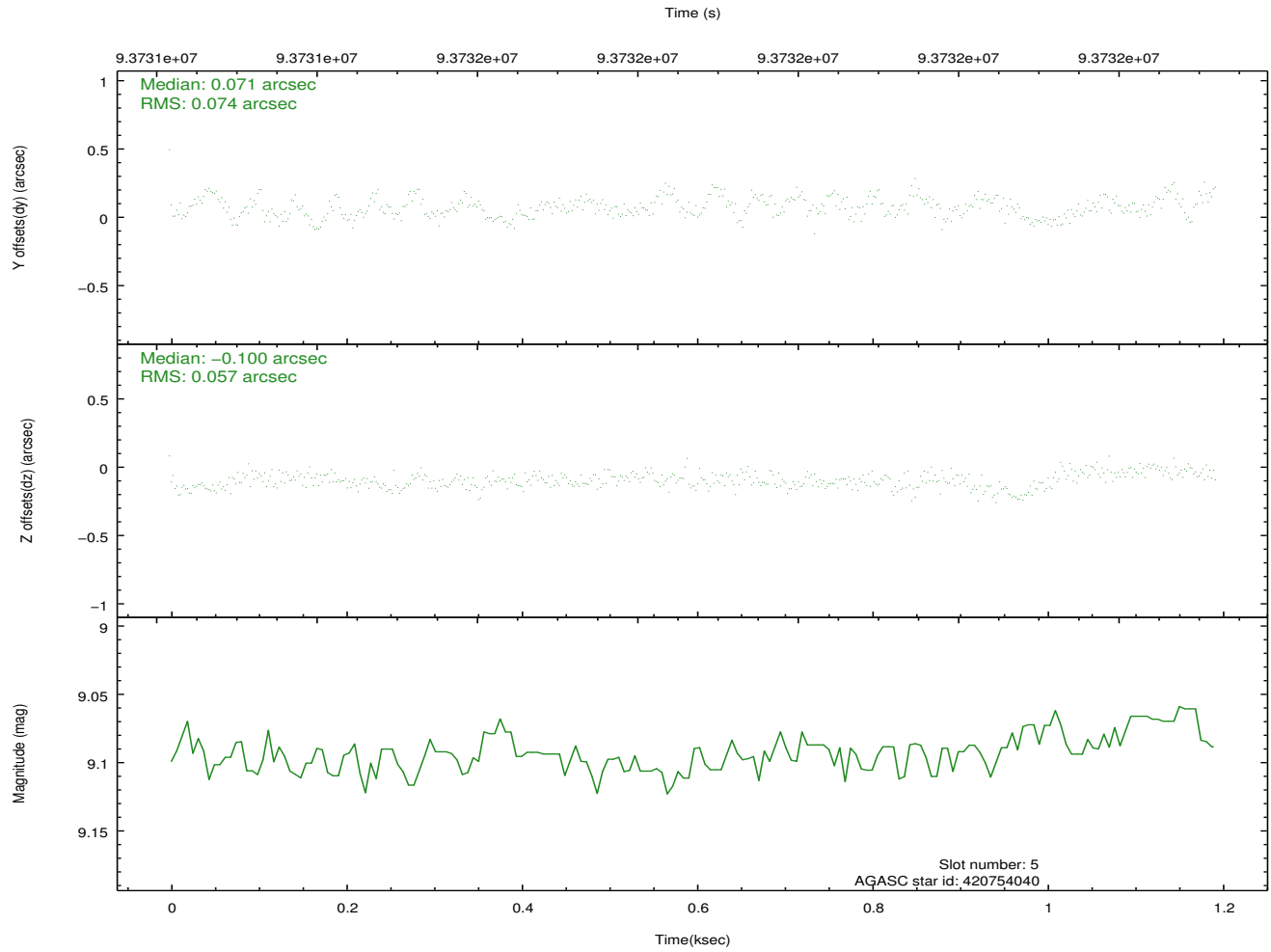
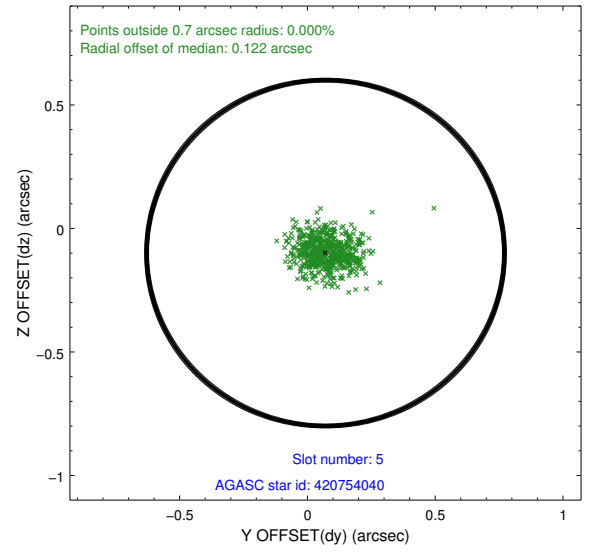
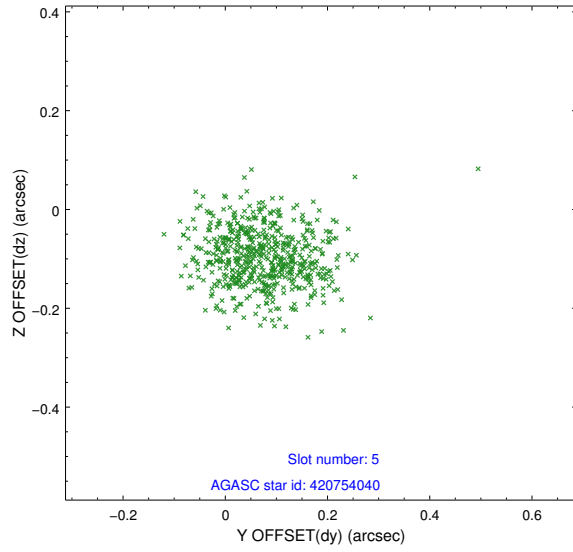
### 2.4.1 Slot 3



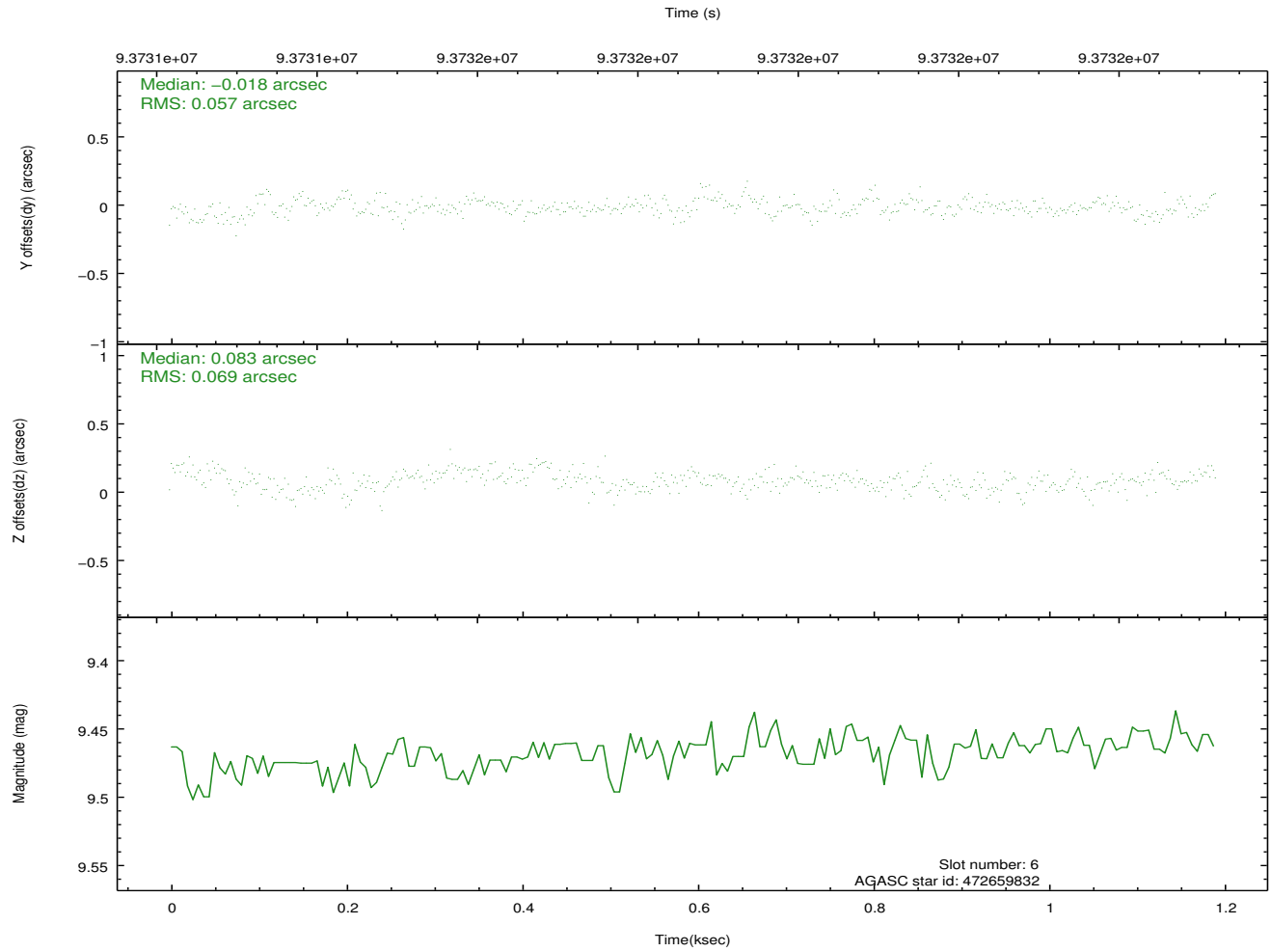
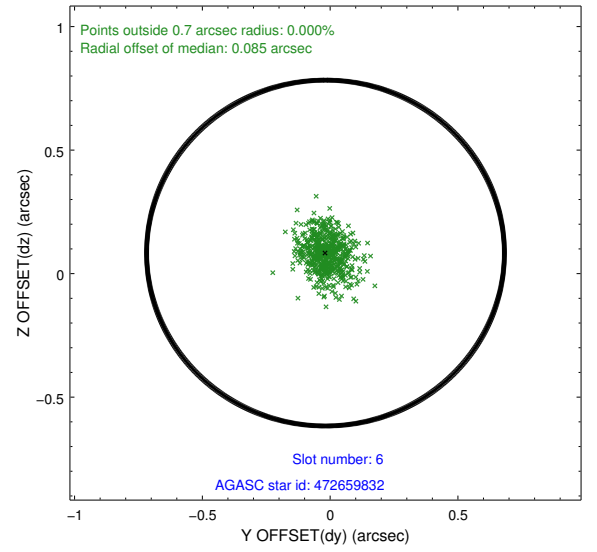
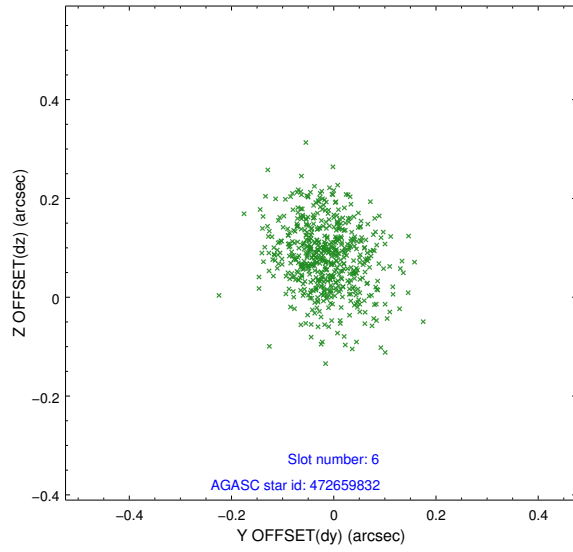
## 2.4.2 Slot 4



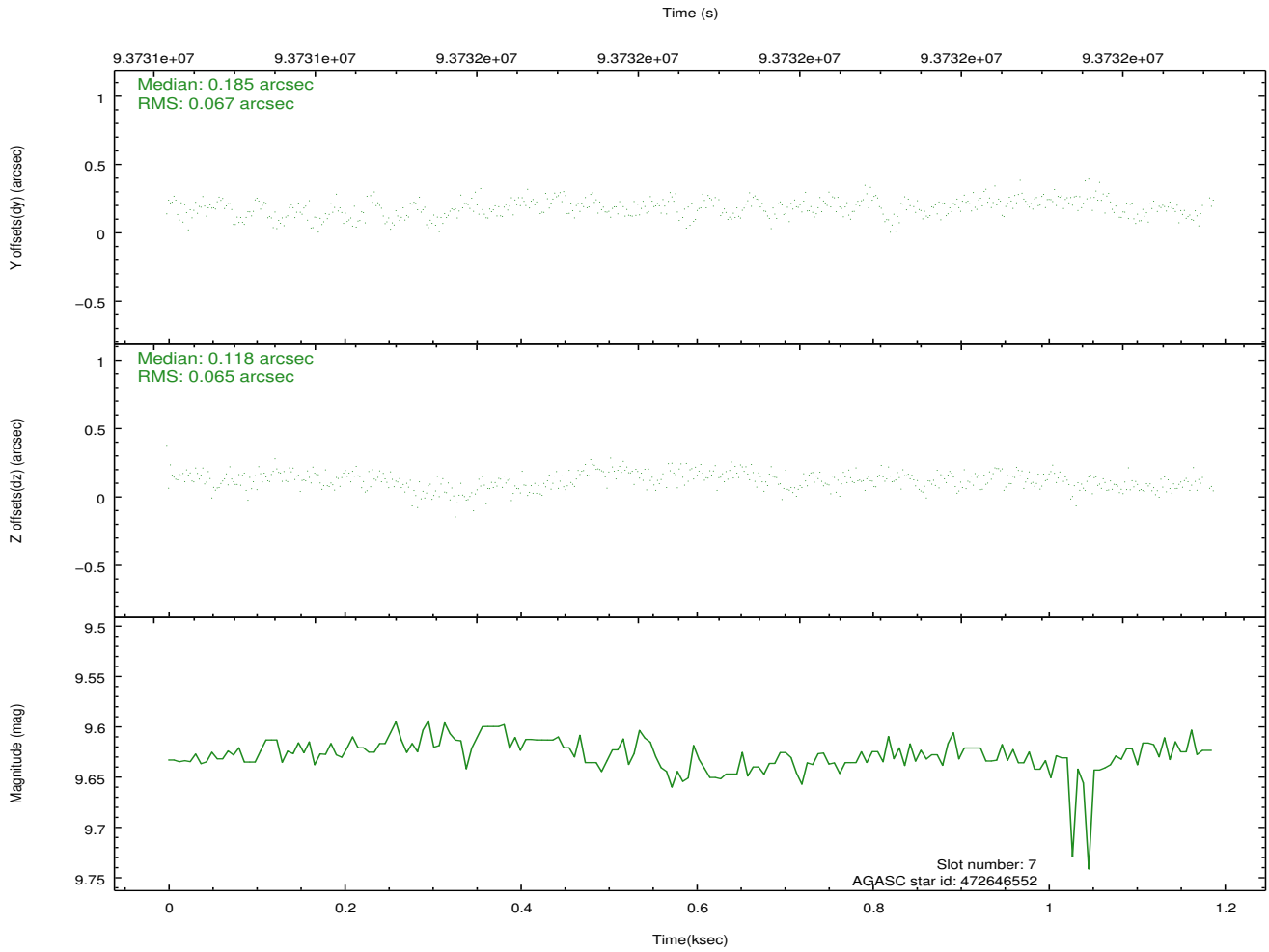
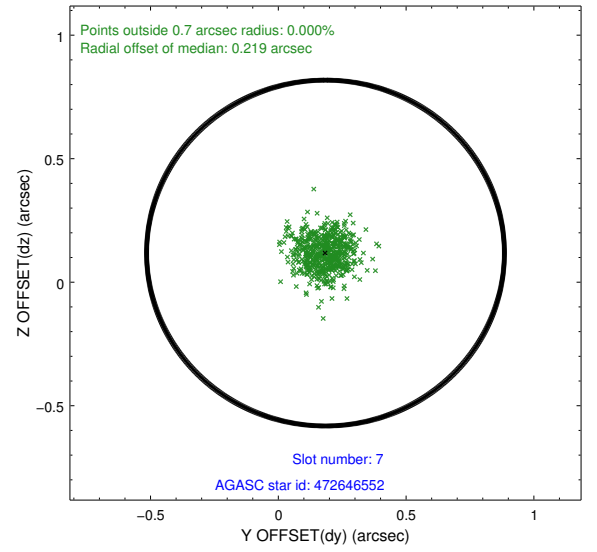
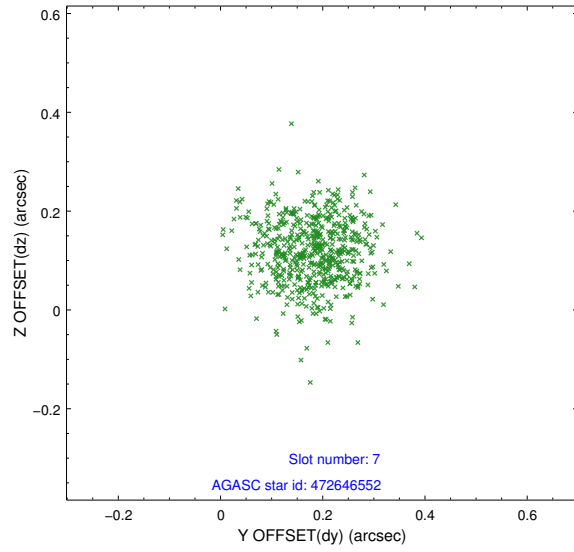
### 2.4.3 Slot 5



## 2.4.4 Slot 6

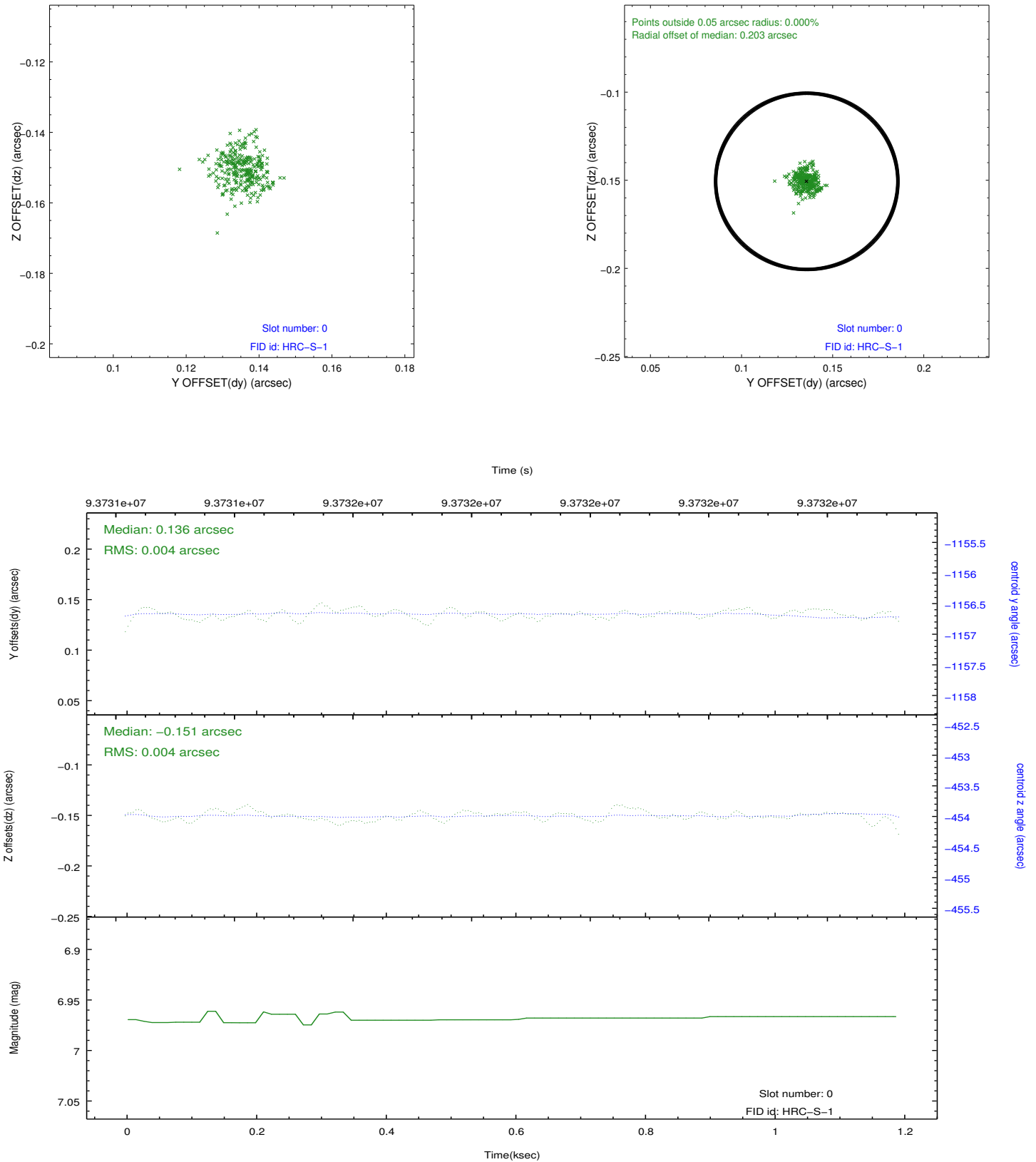


## 2.4.5 Slot 7

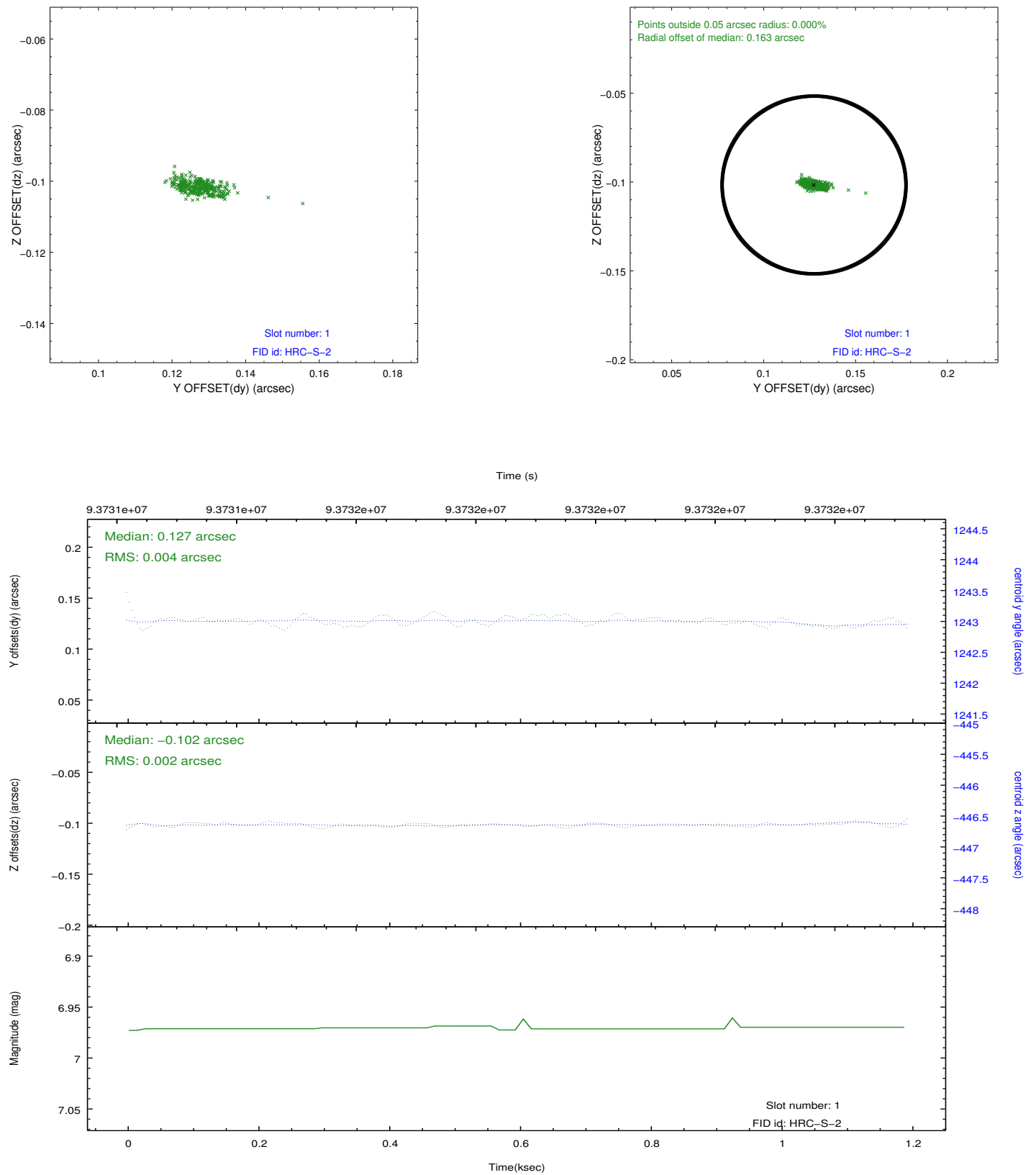


## 2.5 FID Slots

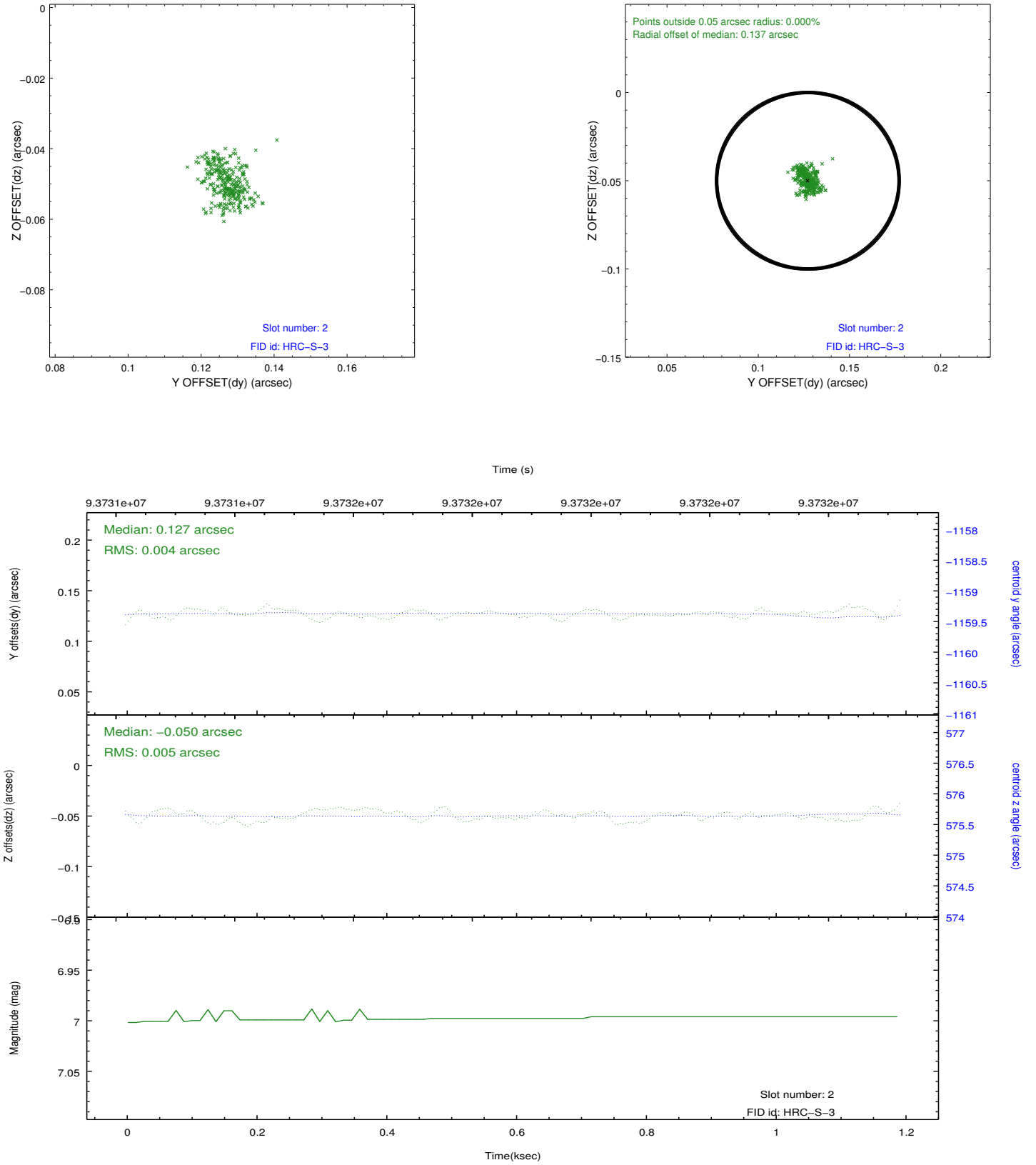
### 2.5.1 Slot 0



## 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.