

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 261 - L2 Version 6  
Chandra X-Ray Center

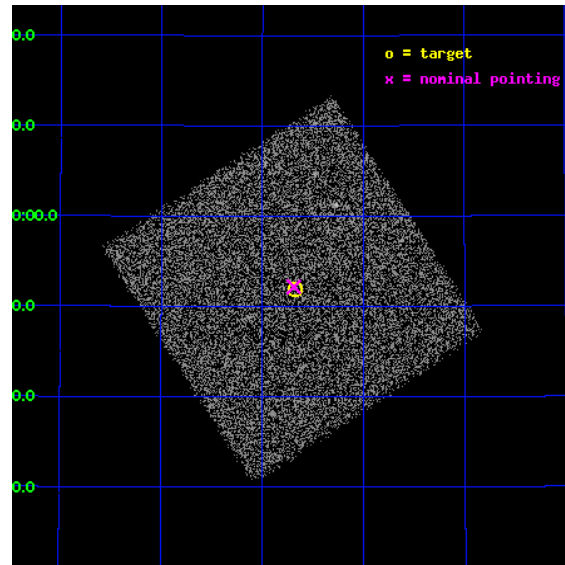
L2 Processing Date : Aug 29 2012

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# 1 Front

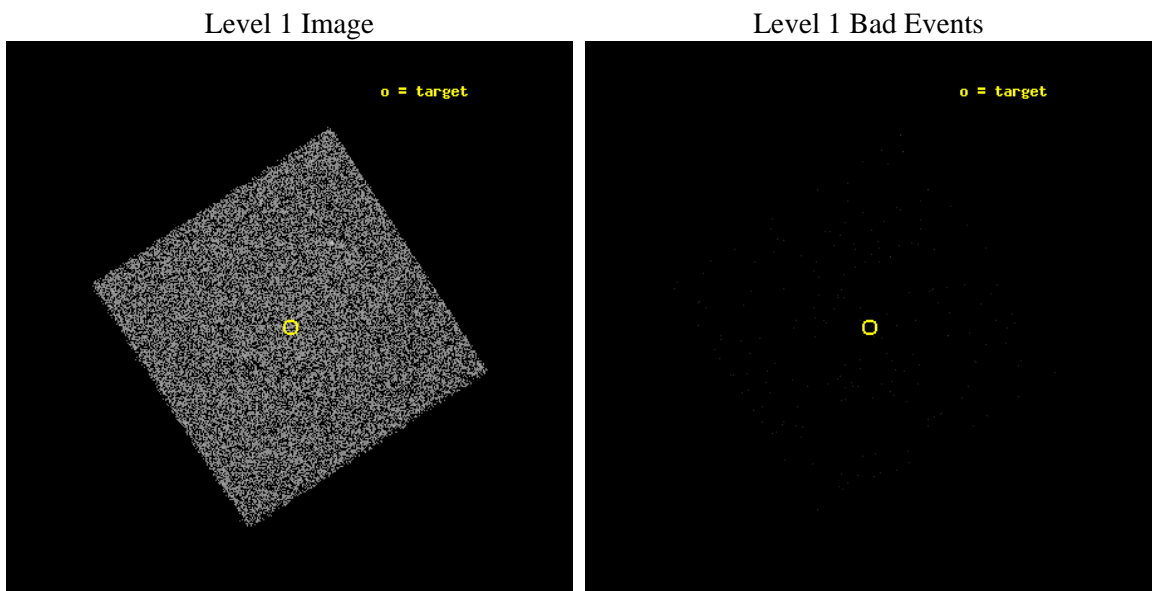
seq_num	600021	Sequence number
obs_id	261	Observation id
title	MONITORING M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - South 1	Source name
ra_targ	10.67	Observer's specified target RA [deg]
dec_targ	40.865	Observer's specified target Dec [deg]
ra_nom	10.671976985991	Nominal RA [deg]
dec_nom	40.869603738473	Nominal Dec [deg]
roll_nom	101.85240634924	Nominal Roll [deg]
revision	6	Processing version of data
ontime	1194.3812940419	[s]
livetime	1188.8363285184	Ontime multiplied by DTCOR
l2events	27167	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	1194.3812940419	[s]
caldbver	4.5.1.1	&#160	l1events	52161	Number of level 1 events
date	2012-08-29T10:25:43	Date and time of file creation			
revision	6	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

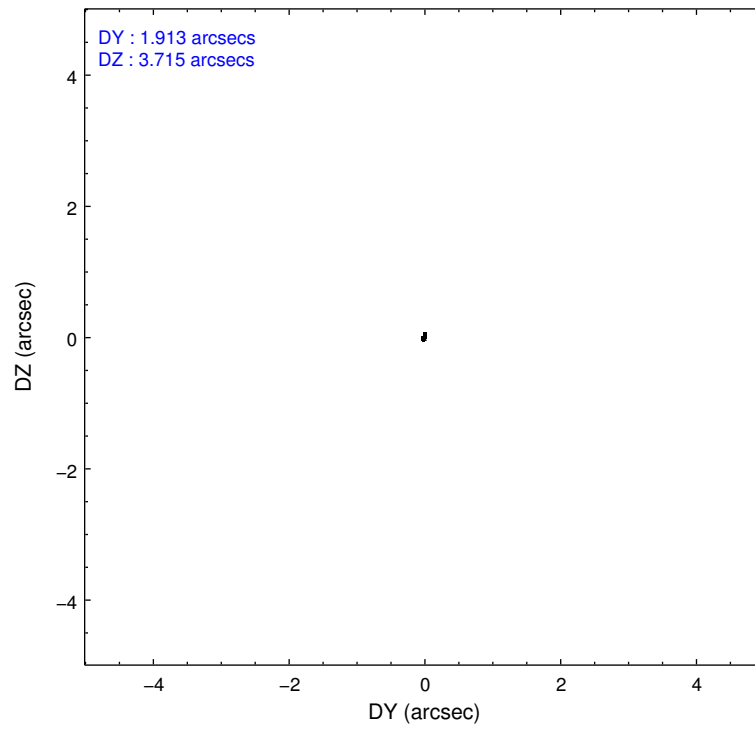
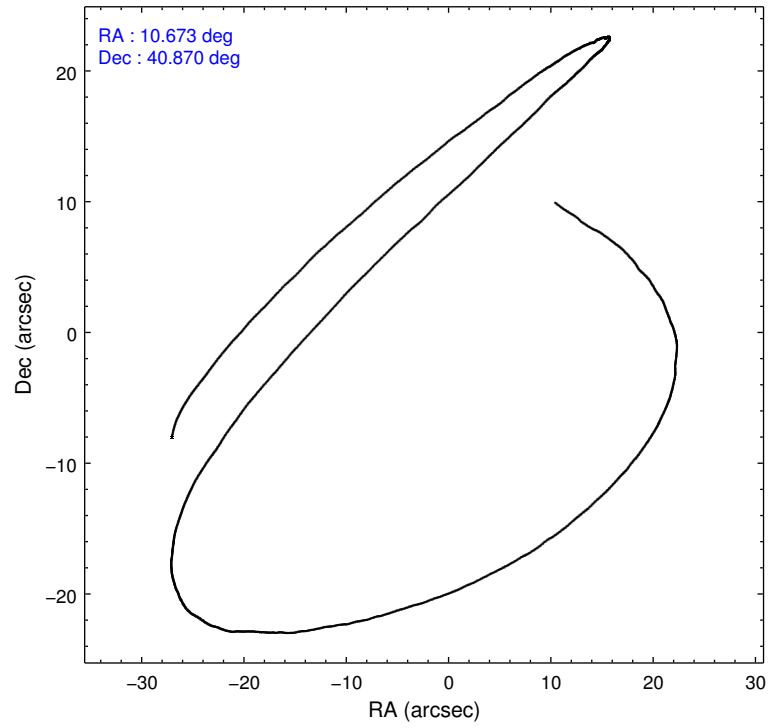
	<b>segment 0</b>
level 1 events	52161
rejected events	10884
rejected %	20%

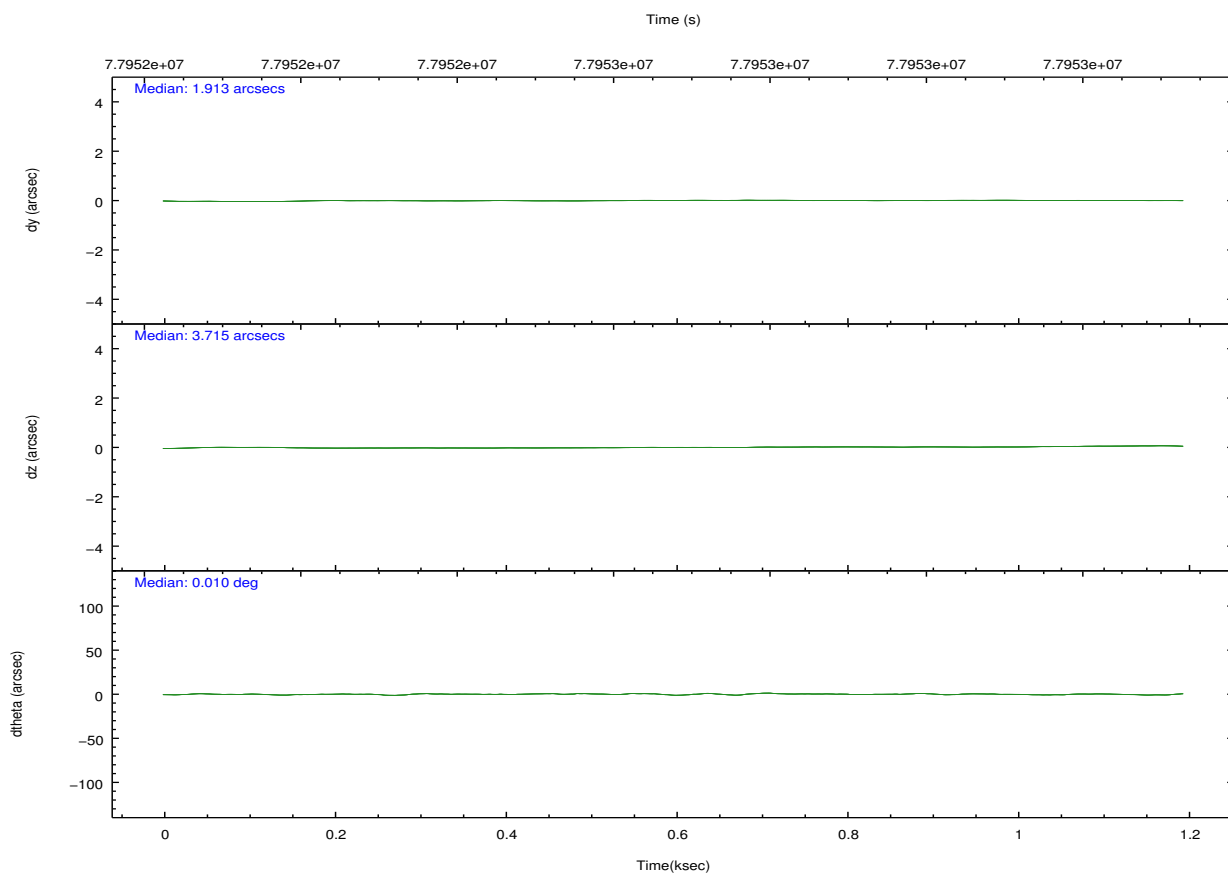
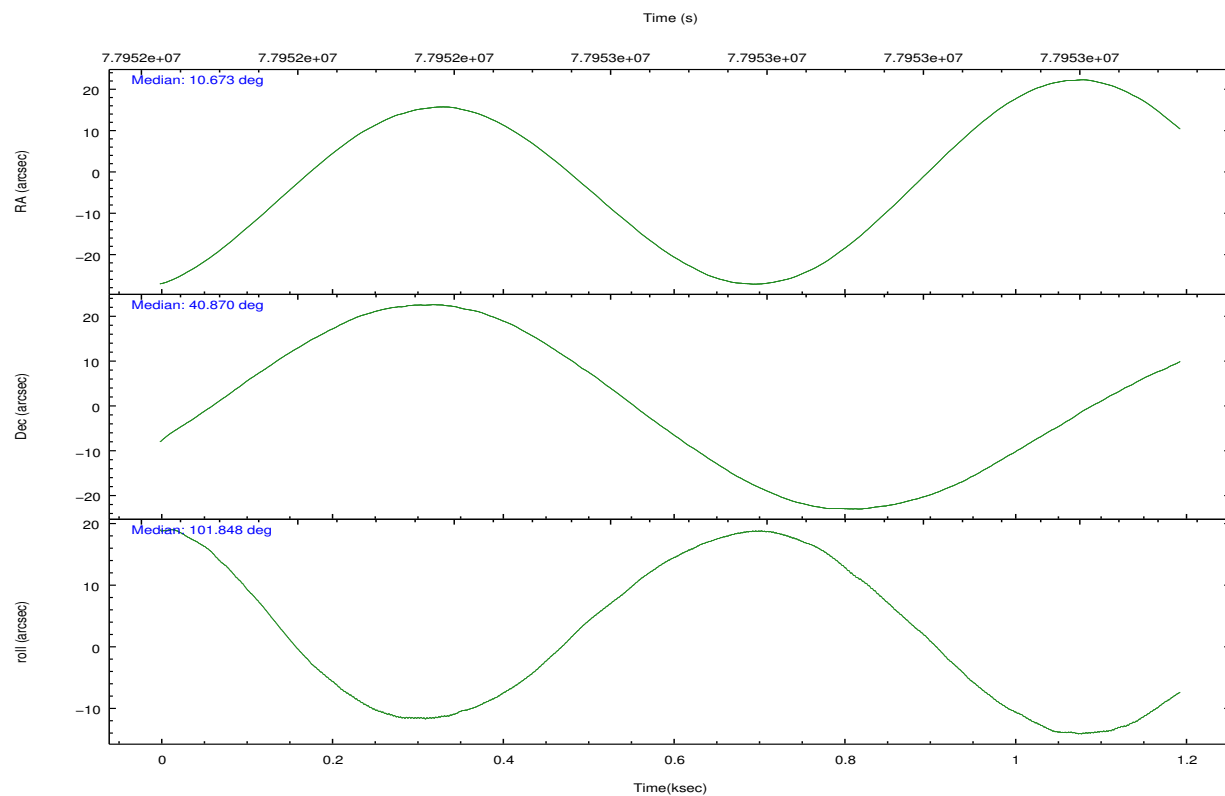
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	10.695559	10.67197698599093
[deg] Pointing Dec	40.849329	40.86960373847263
[deg] Pointing Roll	101.932454	101.8524063492445
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	77952272.184000	77951896.3461
Observation start date	2000-06-21T05:23:28	2000-06-21T05:18:16
[s] Observation end time (MET)	77953272.184000	77953406.17115501
Observation end date	2000-06-21T05:40:08	2000-06-21T05:43:26

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

## 2.3 Aspect



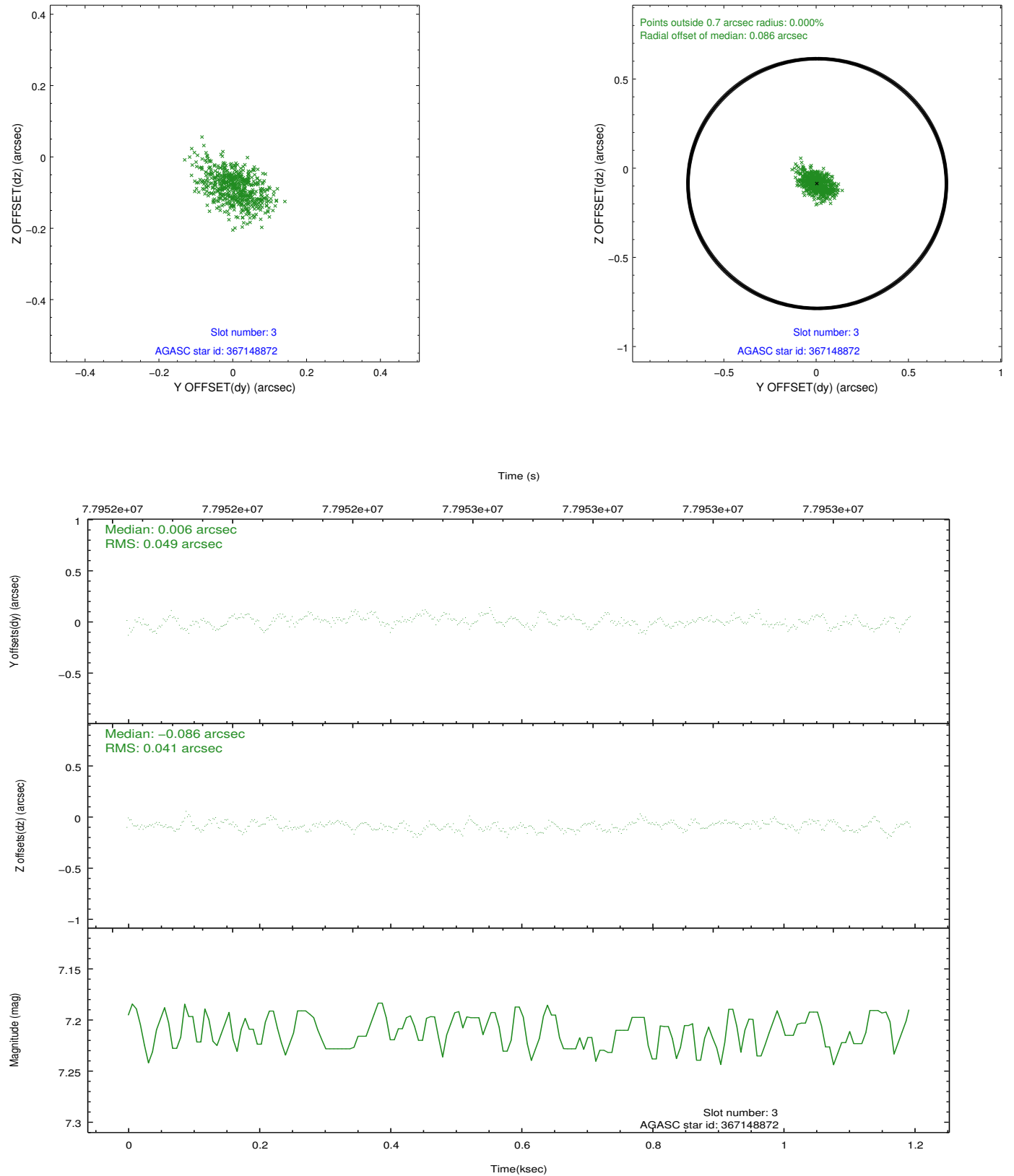


### Slot Statistics

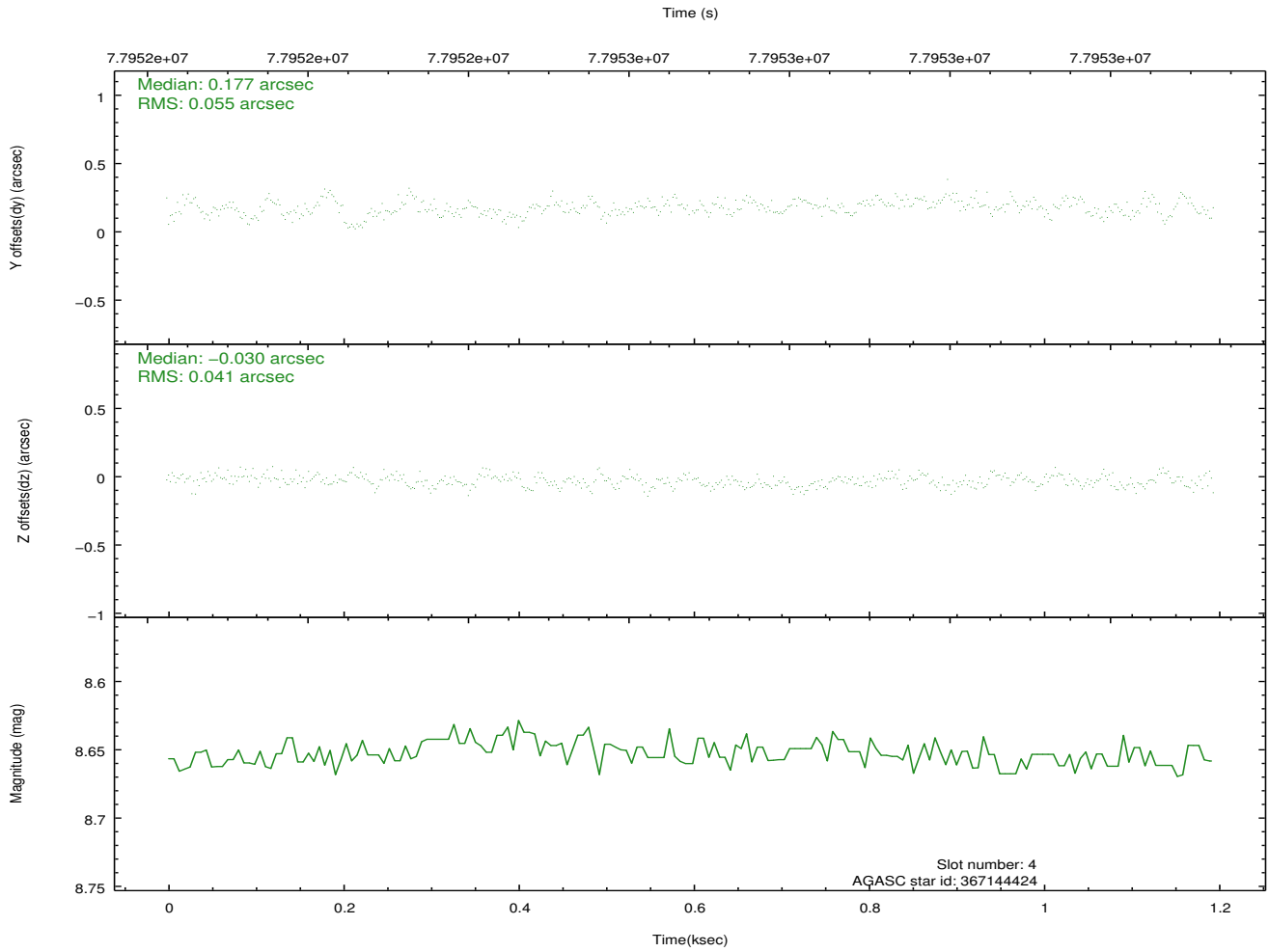
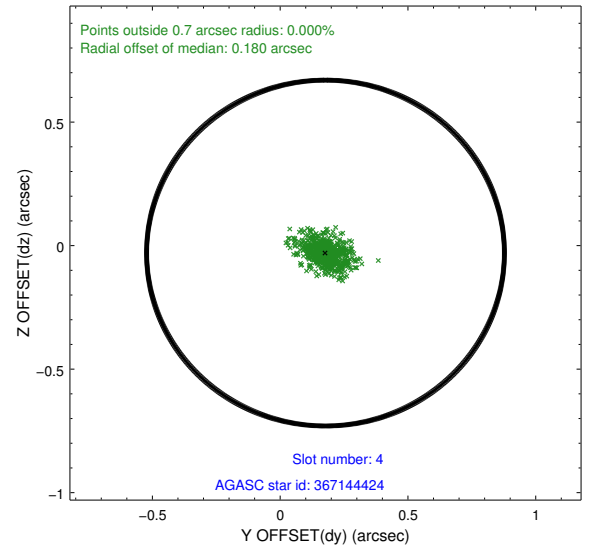
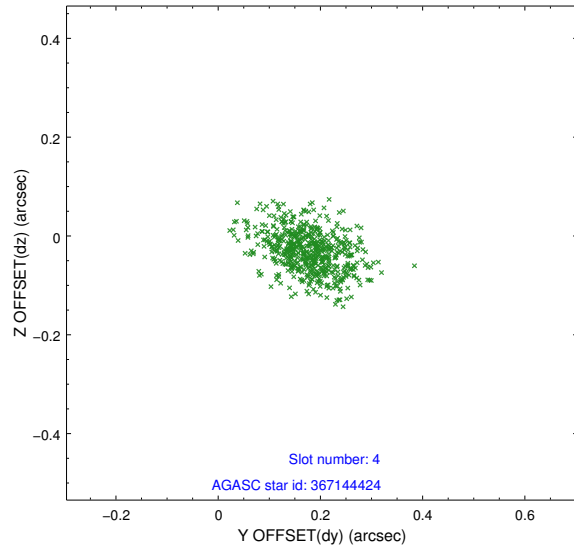
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.94	292	0.055	0.054	0.006	0.010	0.000000	0.000000	-757.34	-1291.45
1	FID	HRC-I-3	7.03	292	0.037	-0.081	0.006	0.010	0.000000	0.000000	-1188.37	1008.57
2	FID	HRC-I-4	6.98	292	0.022	-0.061	0.005	0.008	0.000000	0.000000	1281.41	1014.01
3	GUIDE	367148872	7.21	584	0.006	-0.086	0.069	0.111	10.505940	40.688258	-459.07	629.87
4	GUIDE	367144424	8.65	583	0.177	-0.030	0.075	0.122	10.464515	40.309136	-1770.66	1027.23
5	GUIDE	367657896	9.03	584	-0.155	0.237	0.080	0.137	11.197765	41.313576	1355.92	-1669.16
6	GUIDE	367145856	9.28	584	0.120	-0.055	0.090	0.145	10.744946	40.402085	-1600.07	201.19
7	GUIDE	367658664	9.61	583	-0.157	-0.053	0.100	0.177	10.374070	41.369746	2012.00	466.29

## 2.4 Star Slots

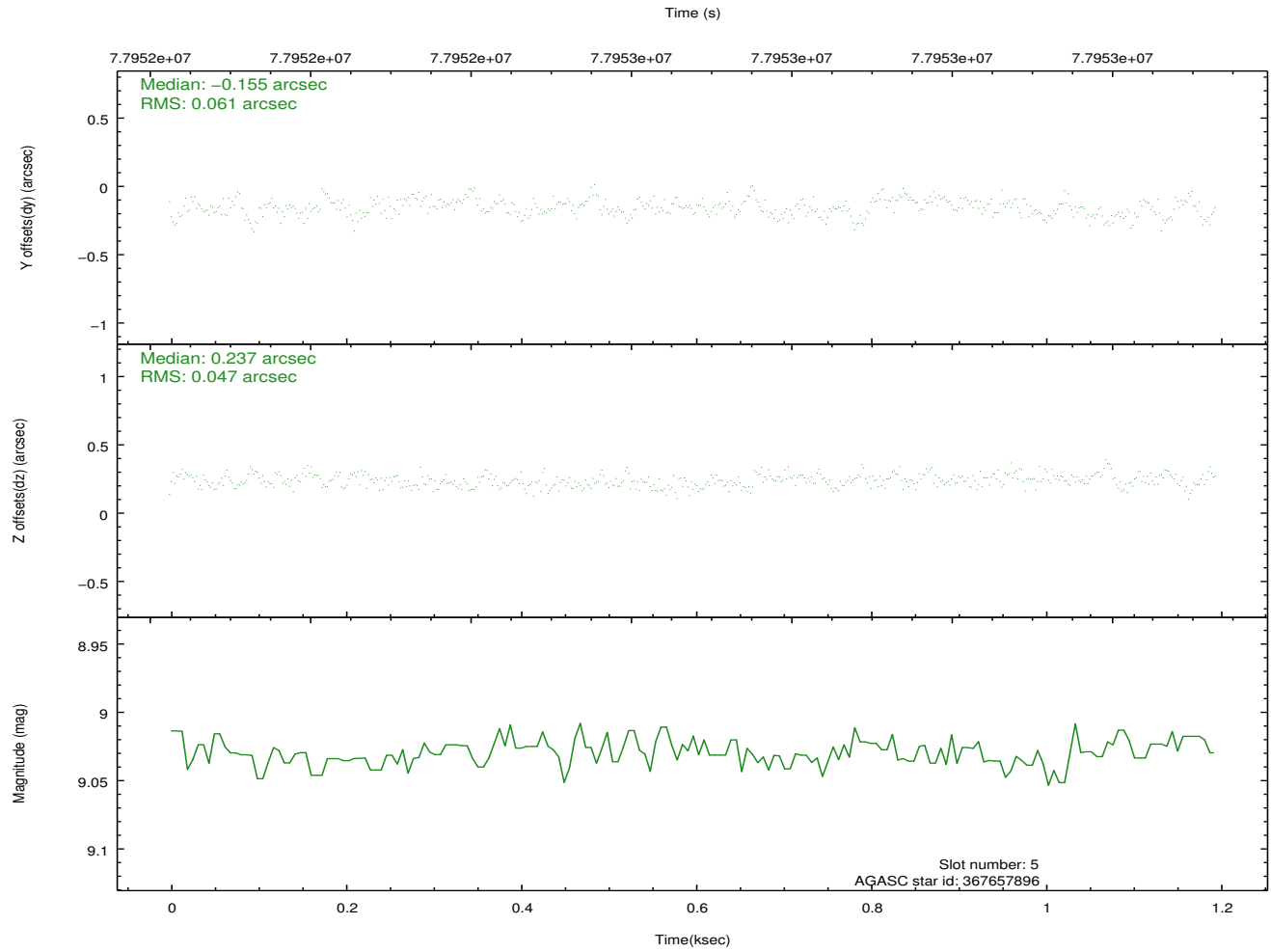
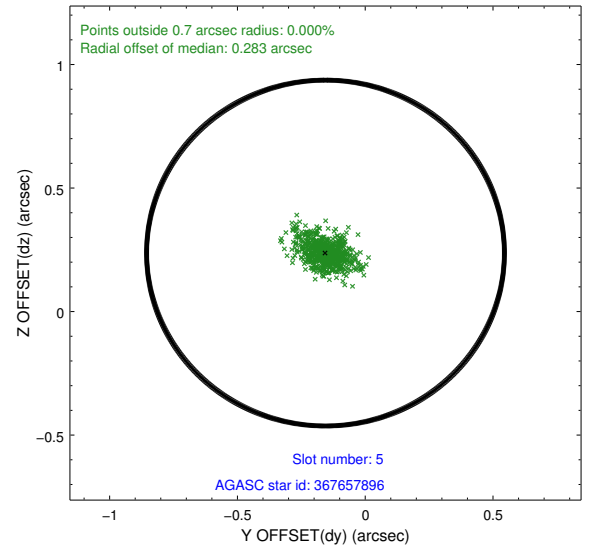
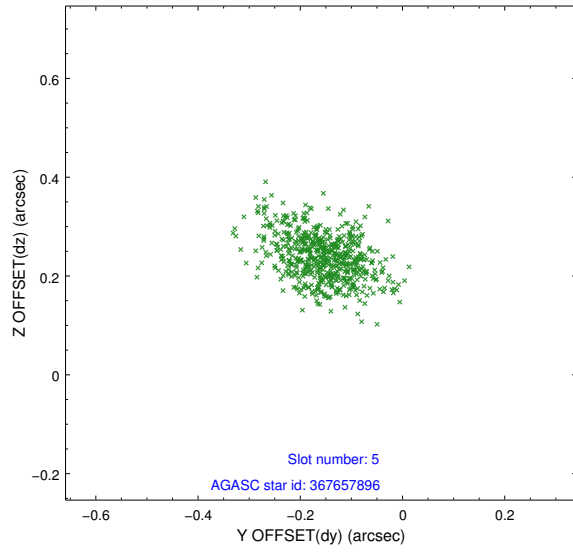
### 2.4.1 Slot 3



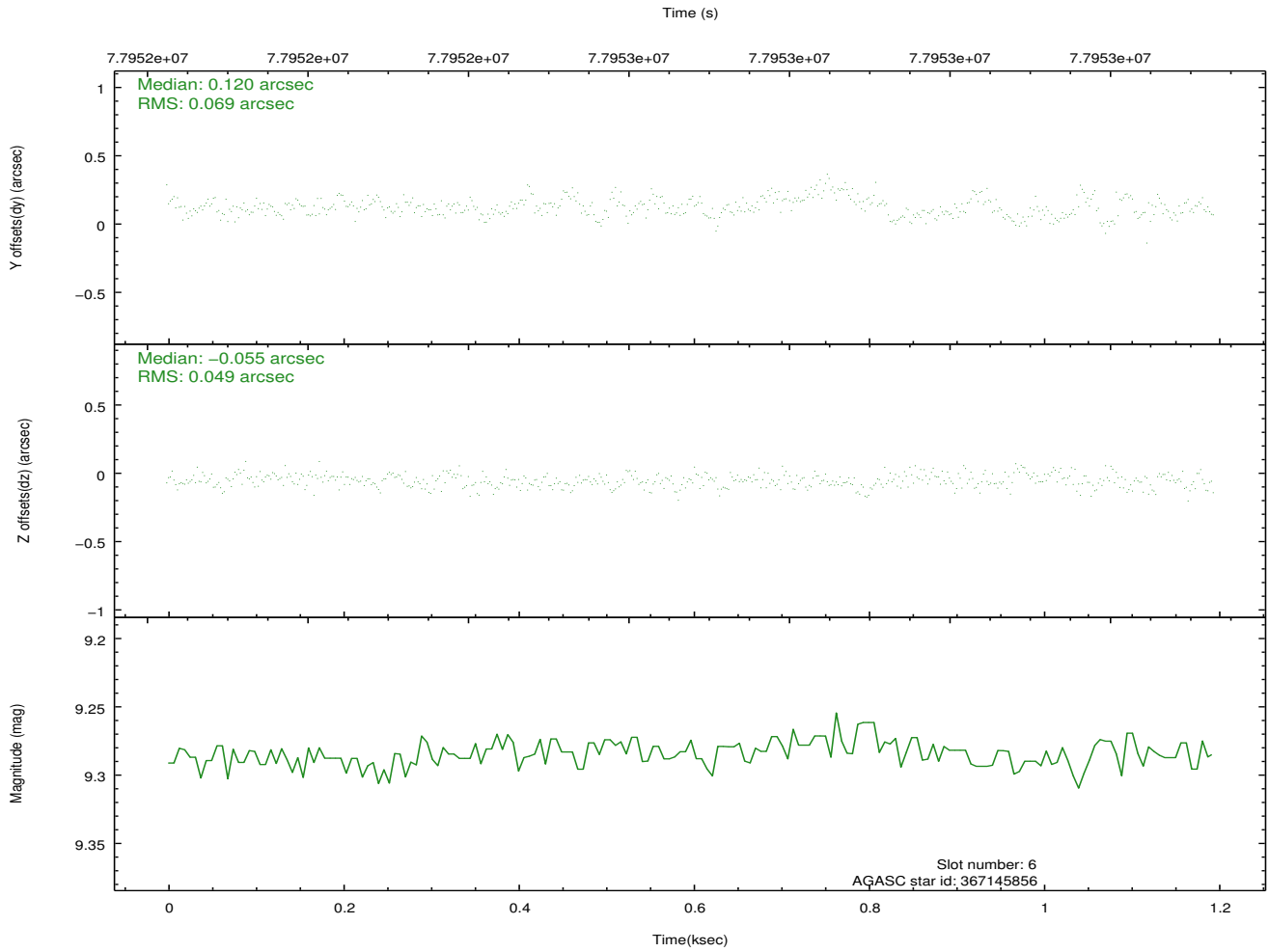
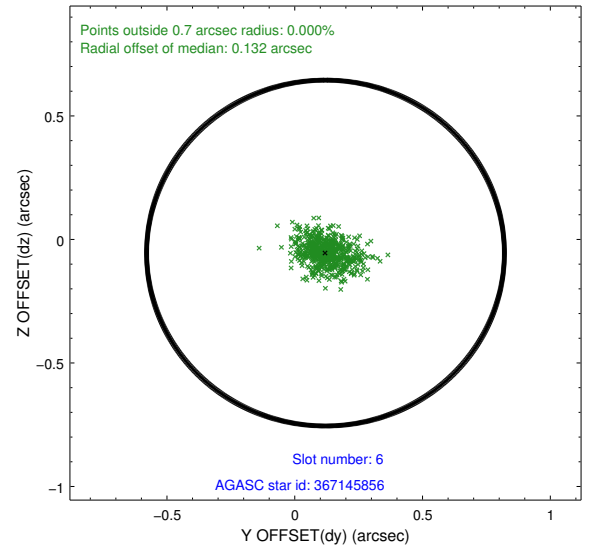
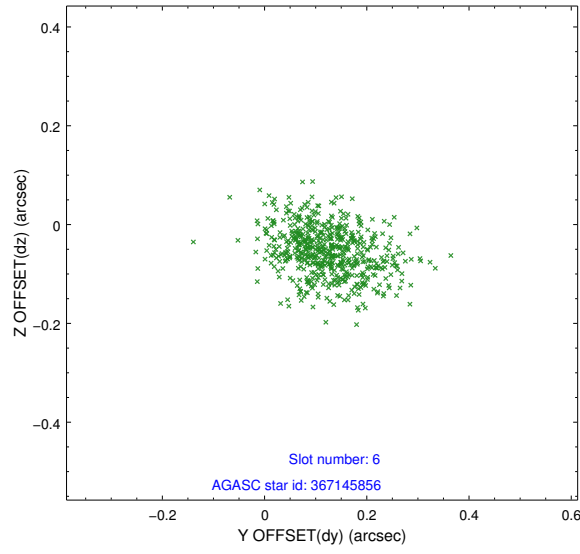
## 2.4.2 Slot 4



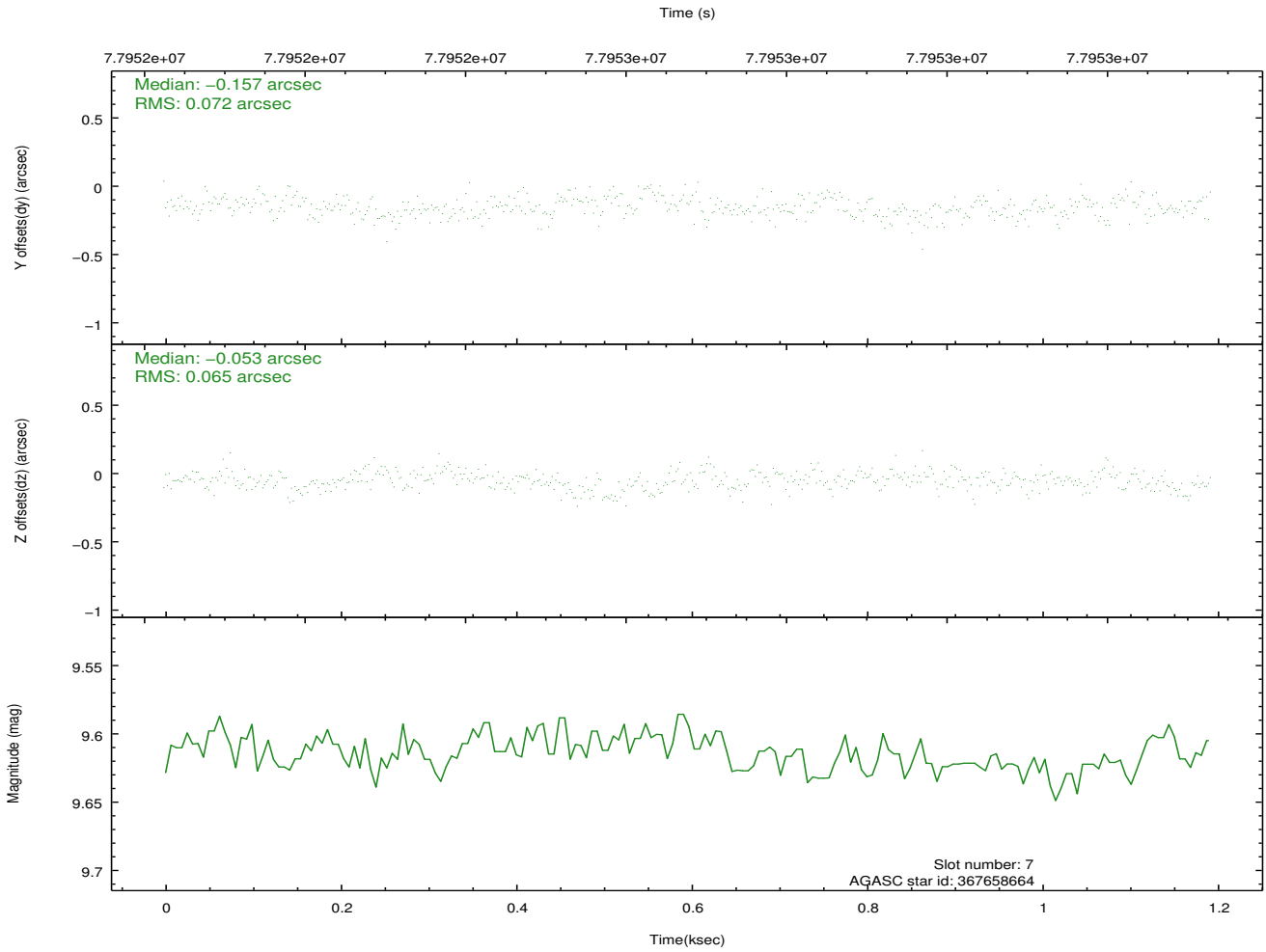
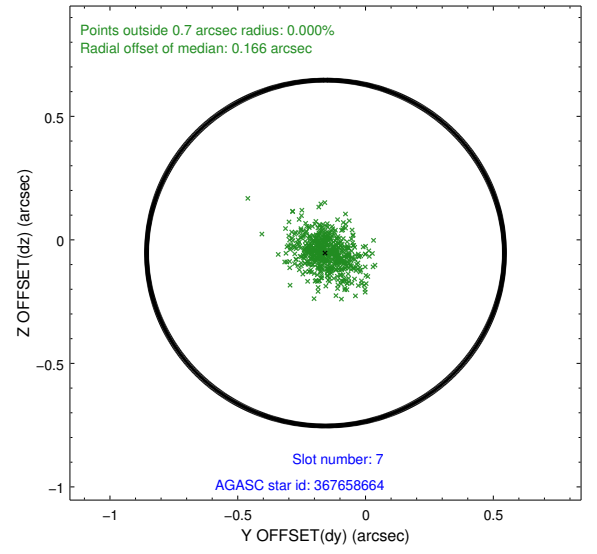
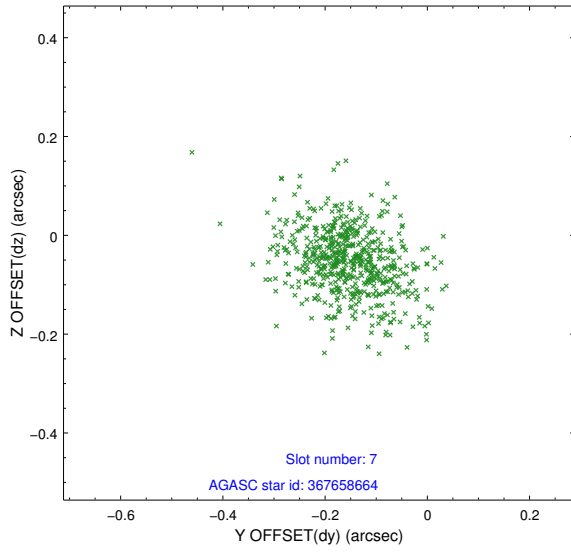
### 2.4.3 Slot 5



## 2.4.4 Slot 6

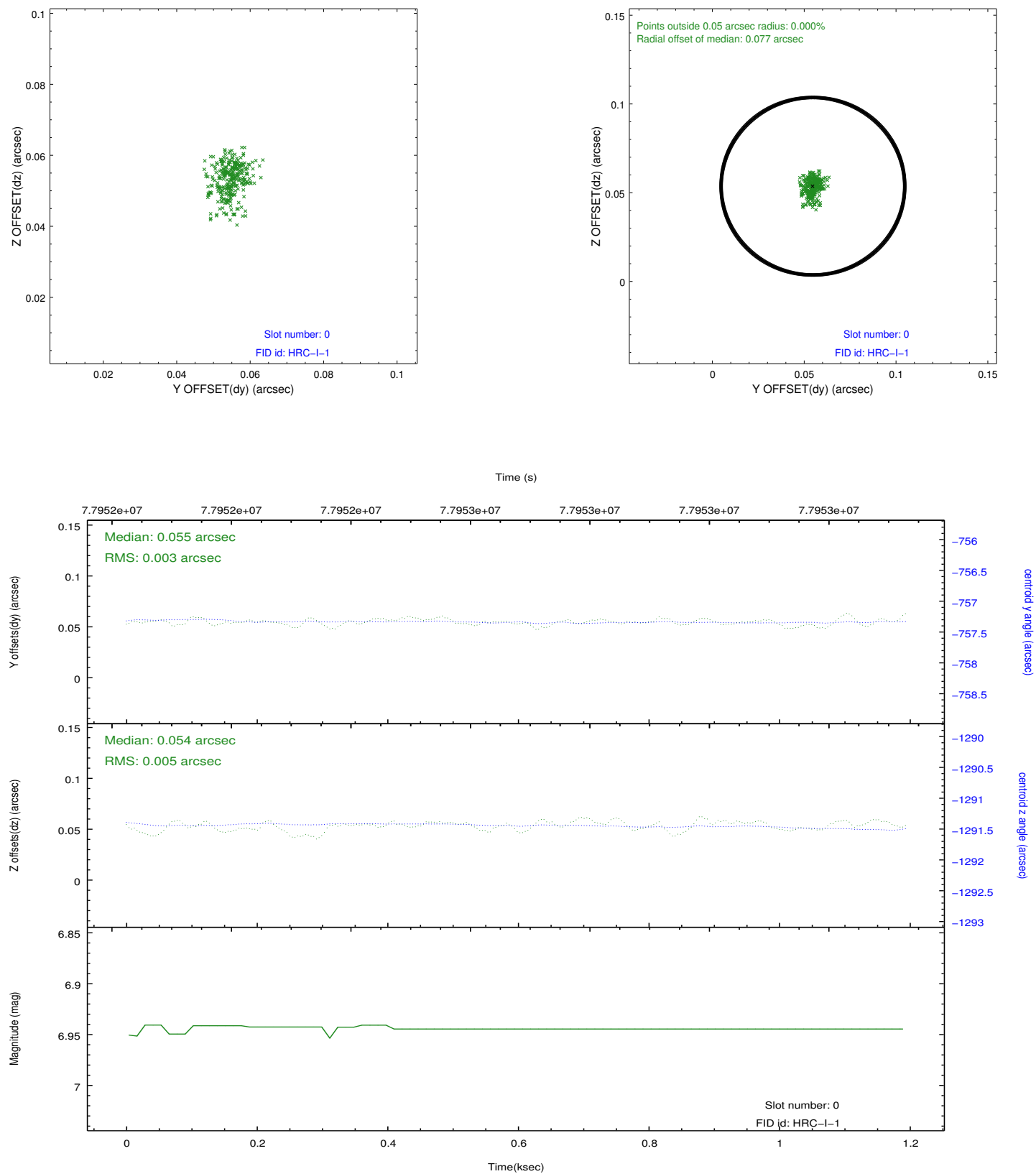


## 2.4.5 Slot 7

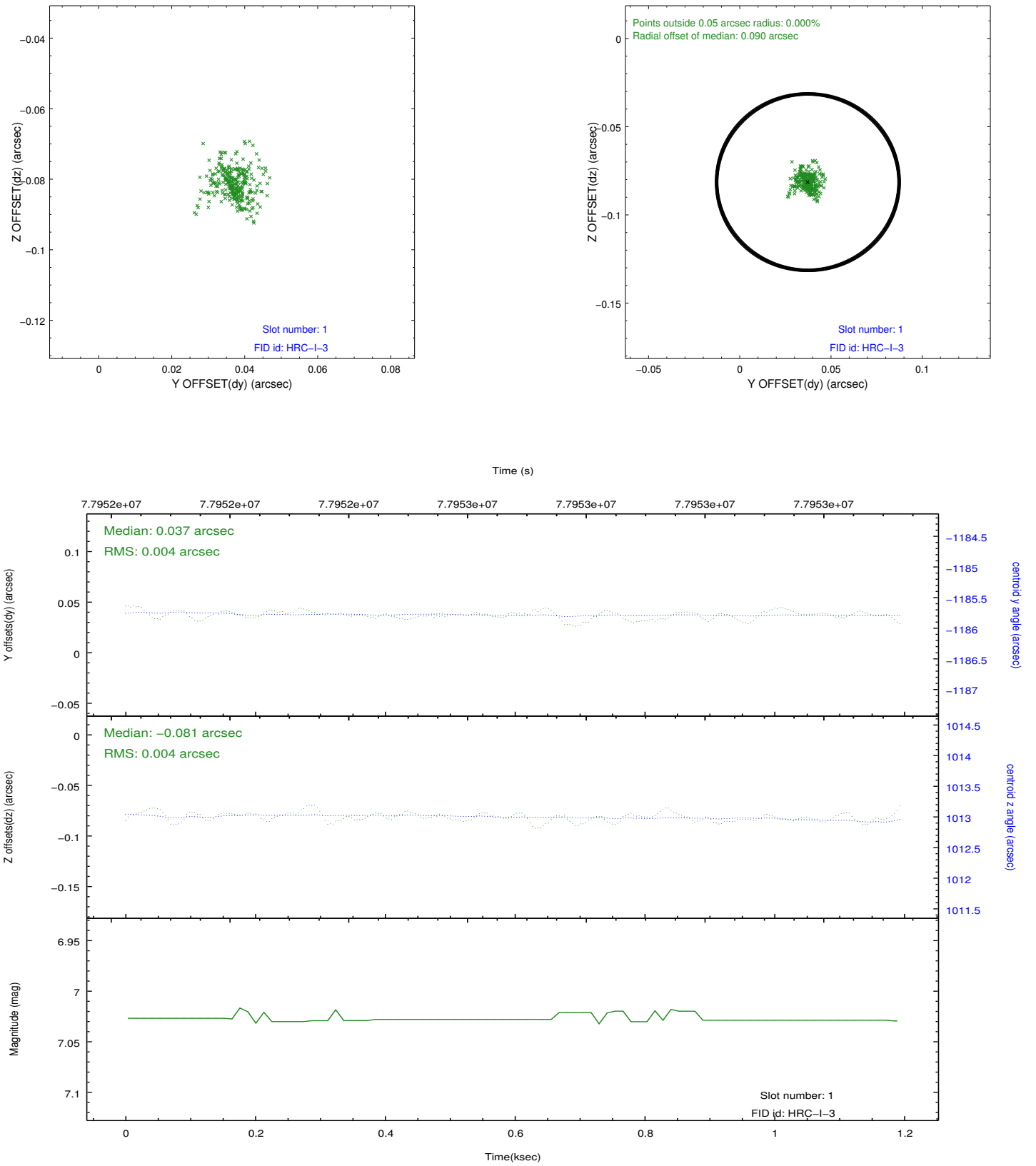


## 2.5 FID Slots

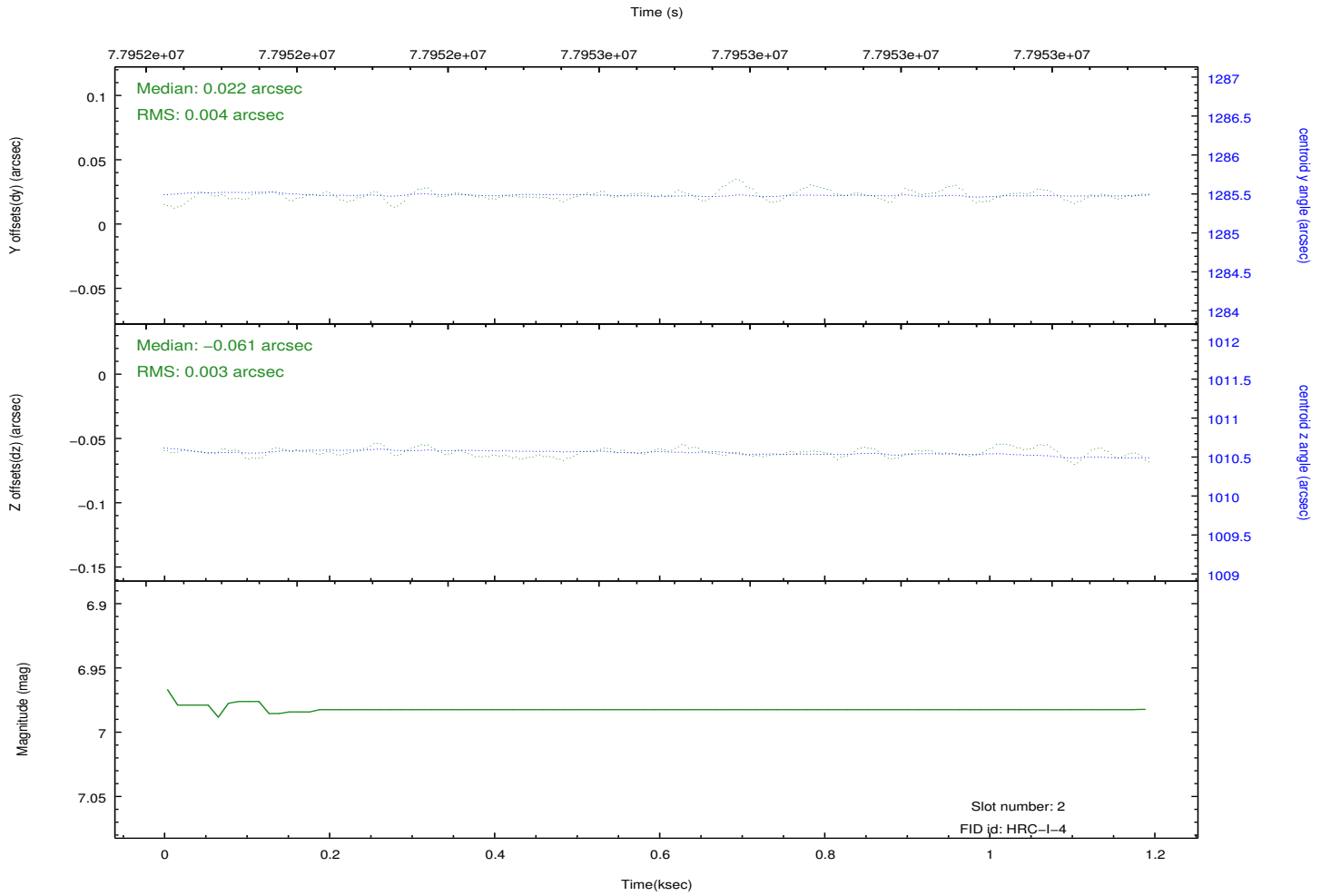
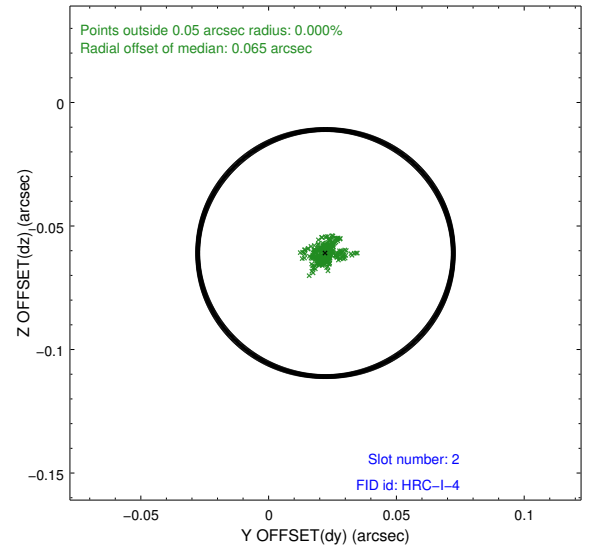
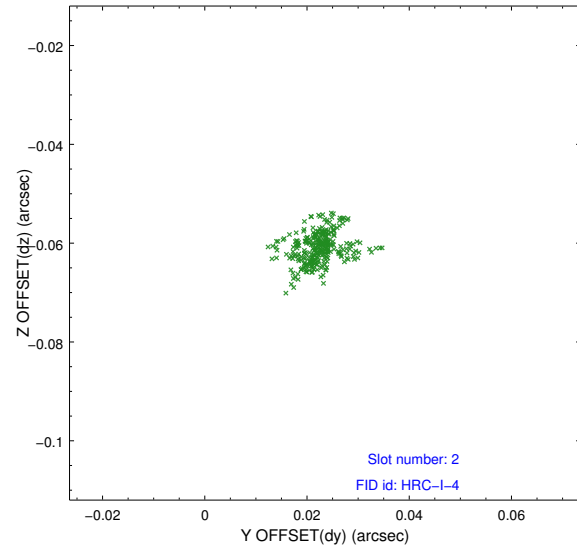
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.192

### A.2 Comments

Charge time for this observation remains at previous value of 1.192 ksec.