

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2905 - L2 Version 4  
Chandra X-Ray Center

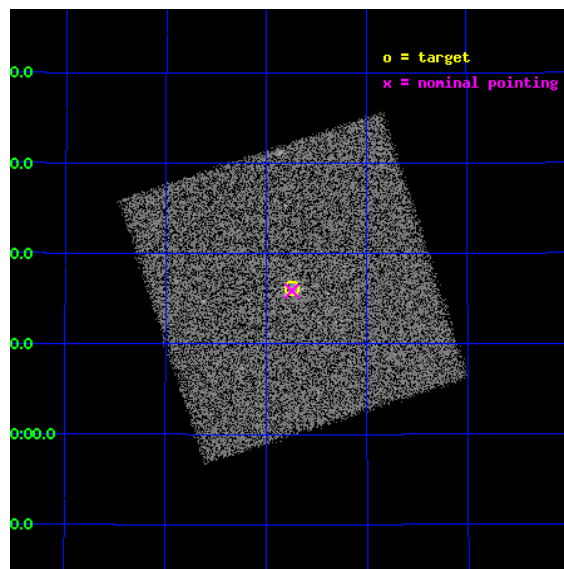
L2 Processing Date : Sep 30 2012

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# 1 Front

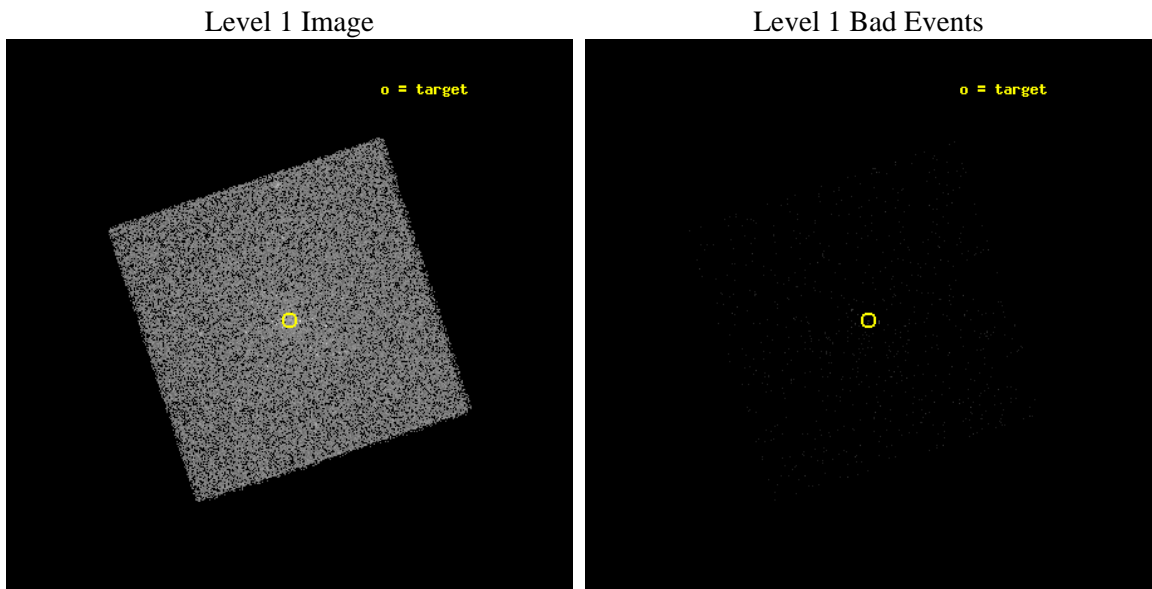
seq_num	600242	Sequence number
obs_id	2905	Observation id
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST	Proposa
observer	Dr. Michael Garcia	Principal investigator
object	M31-CORE	Source name
ra_targ	10.685	Observer's specified target RA [deg]
dec_targ	41.268972	Observer's specified target Dec [deg]
ra_nom	10.686197113001	Nominal RA [deg]
dec_nom	41.26497156353	Nominal Dec [deg]
roll_nom	296.74050576993	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1102.1312943548	[s]
livetime	1094.2041414672	Ontime multiplied by DTCOR
l2events	54827	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	900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1102.1312943548	[s]
caldbver	4.5.2	&#160	l1events	98741	Number of level 1 events
date	2012-09-30T04:10:43	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

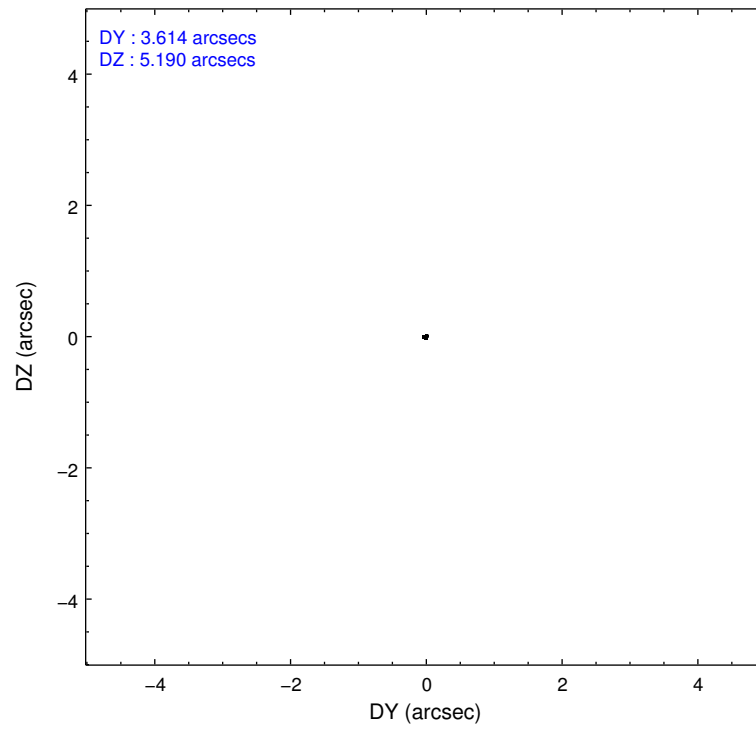
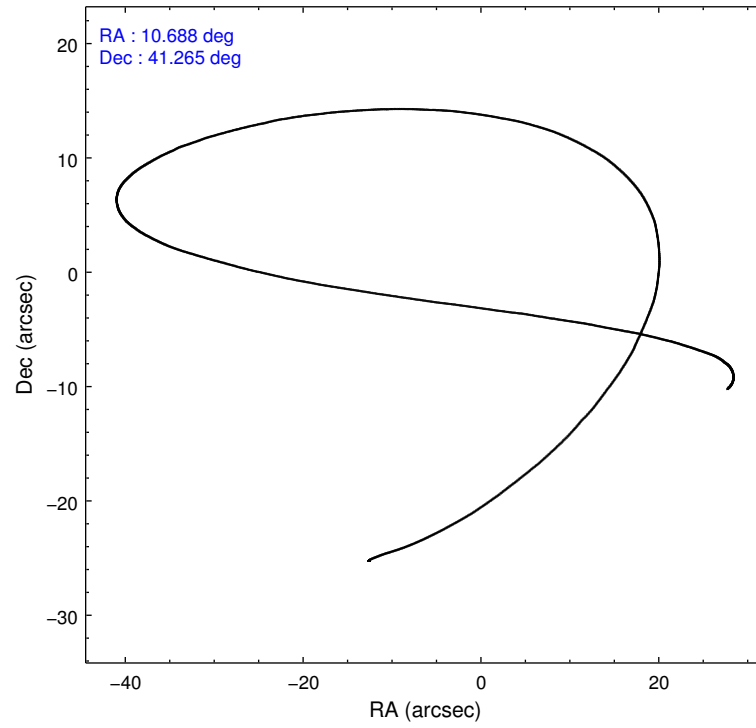
#### Level 1 Events

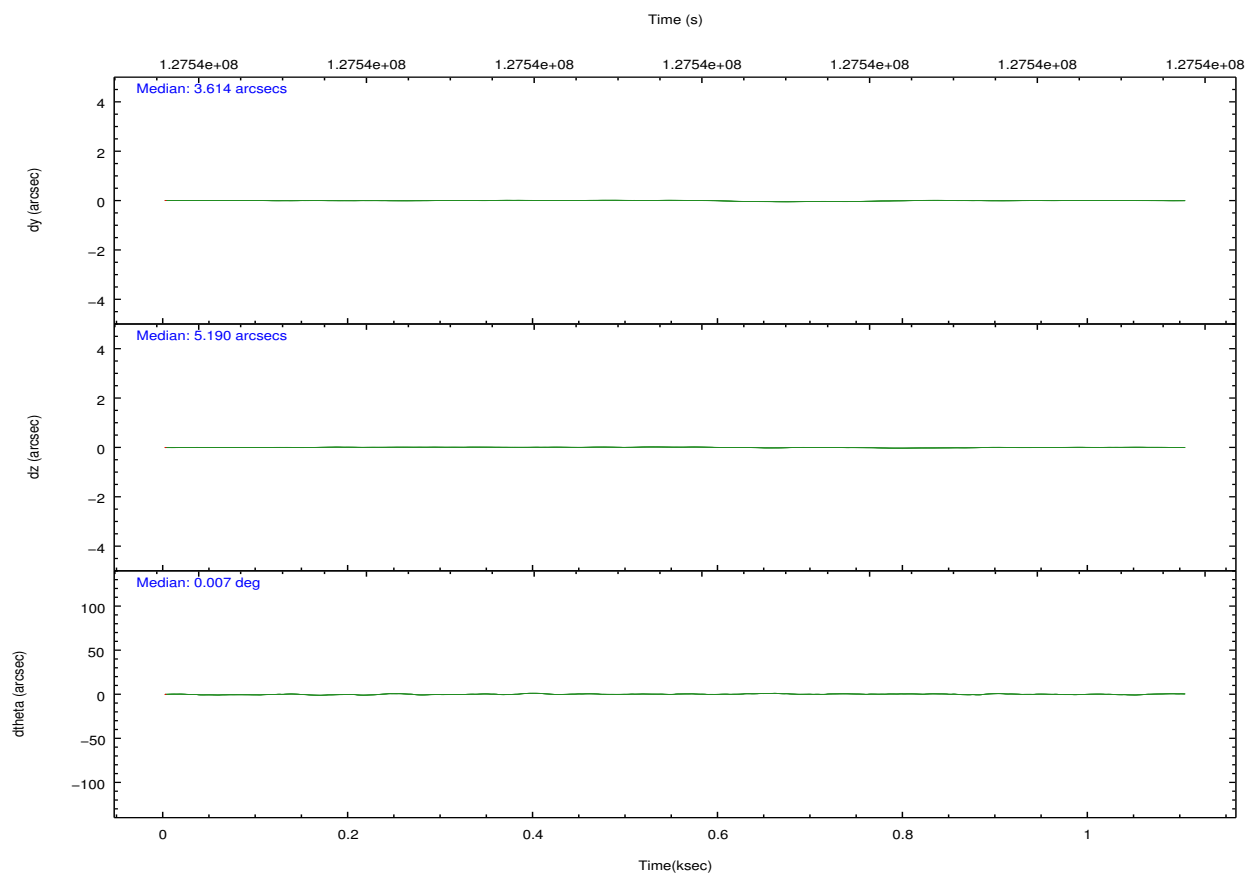
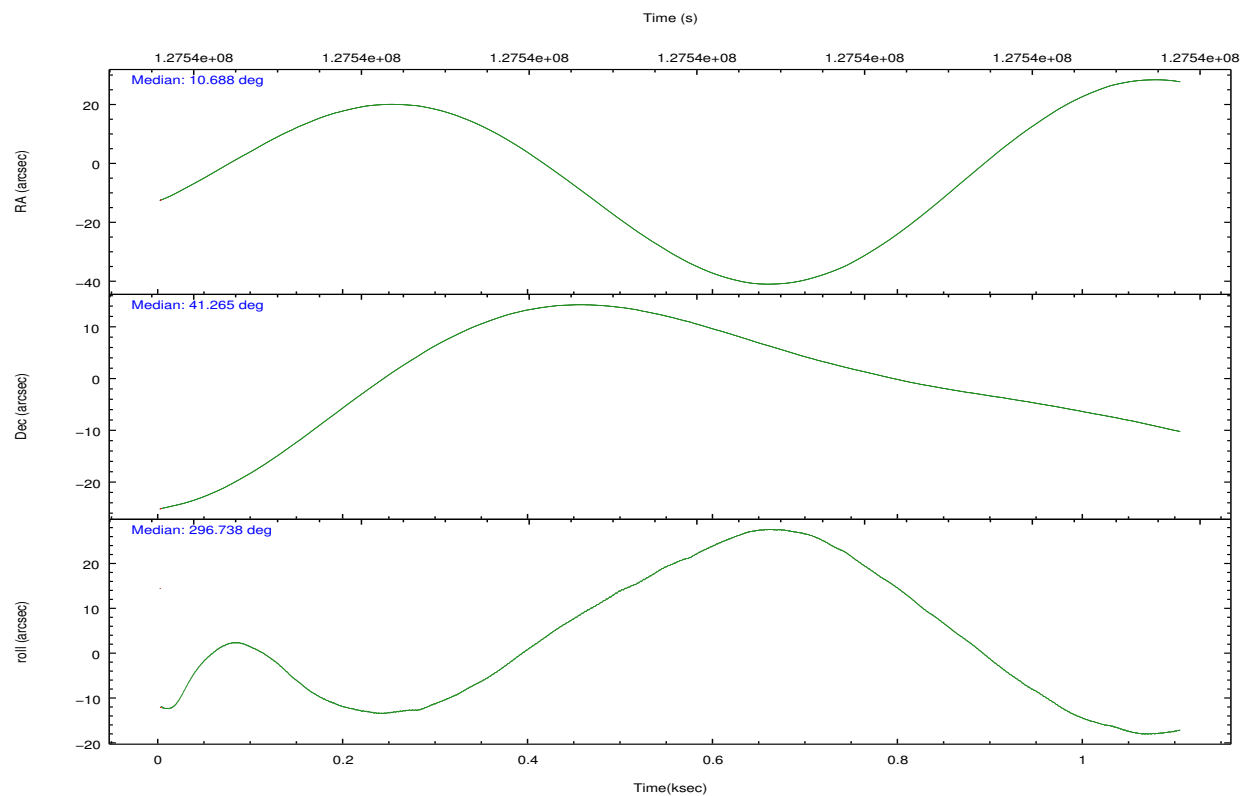
	<b>segment 0</b>
level 1 events	98741
rejected events	21818
rejected %	22%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	10.654777	10.68619711300146			
[deg] Pointing Dec	41.279144	41.26497156353007			
[deg] Pointing Roll	296.857011	296.7405057699256			
[s] Window start time (MET)	127353664.184000	127353664.184000			
[s] Window stop time (MET)	127958464.184000	127958464.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	127544022.184000	127543646.08963			
Observation start date	2002-01-16T04:52:38	2002-01-16T04:47:26			
[s] Observation end time (MET)	127544922.184000	127545056.48969			
Observation end date	2002-01-16T05:07:38	2002-01-16T05:10:56			

## 2.3 Aspect





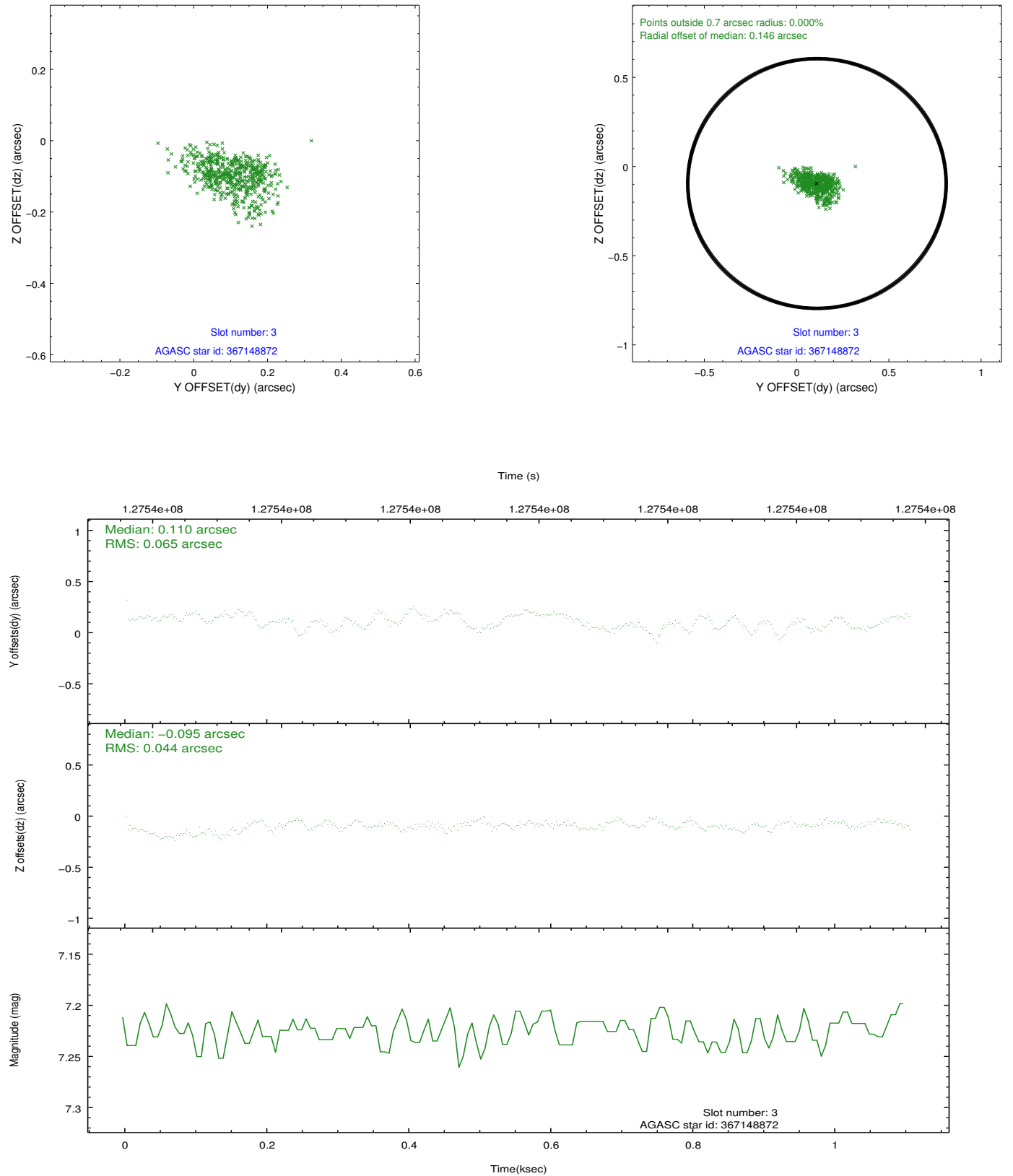
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	270	0.006	0.052	0.006	0.011	0.000000	0.000000	-759.06	-1292.95
1	FID	HRC-I-2	7.00	270	0.077	-0.053	0.005	0.009	0.000000	0.000000	850.83	-1299.37
2	FID	HRC-I-3	7.04	270	0.035	-0.089	0.006	0.010	0.000000	0.000000	-1184.42	1006.65
3	GUIDE	367148872	7.22	539	0.110	-0.095	0.080	0.135	10.505940	40.688258	1713.06	-1326.58
4	GUIDE	367146616	8.86	539	0.050	0.023	0.088	0.167	11.418645	41.190163	1214.61	1700.06
5	GUIDE	367657896	9.02	539	0.037	0.049	0.082	0.139	11.197765	41.313576	549.75	1368.03
6	GUIDE	367671800	9.41	539	-0.144	-0.038	0.105	0.219	10.554735	41.964935	-2323.95	875.82
7	GUIDE	367665472	9.49	538	-0.041	0.049	0.086	0.154	10.241611	41.730843	-1959.98	-255.98

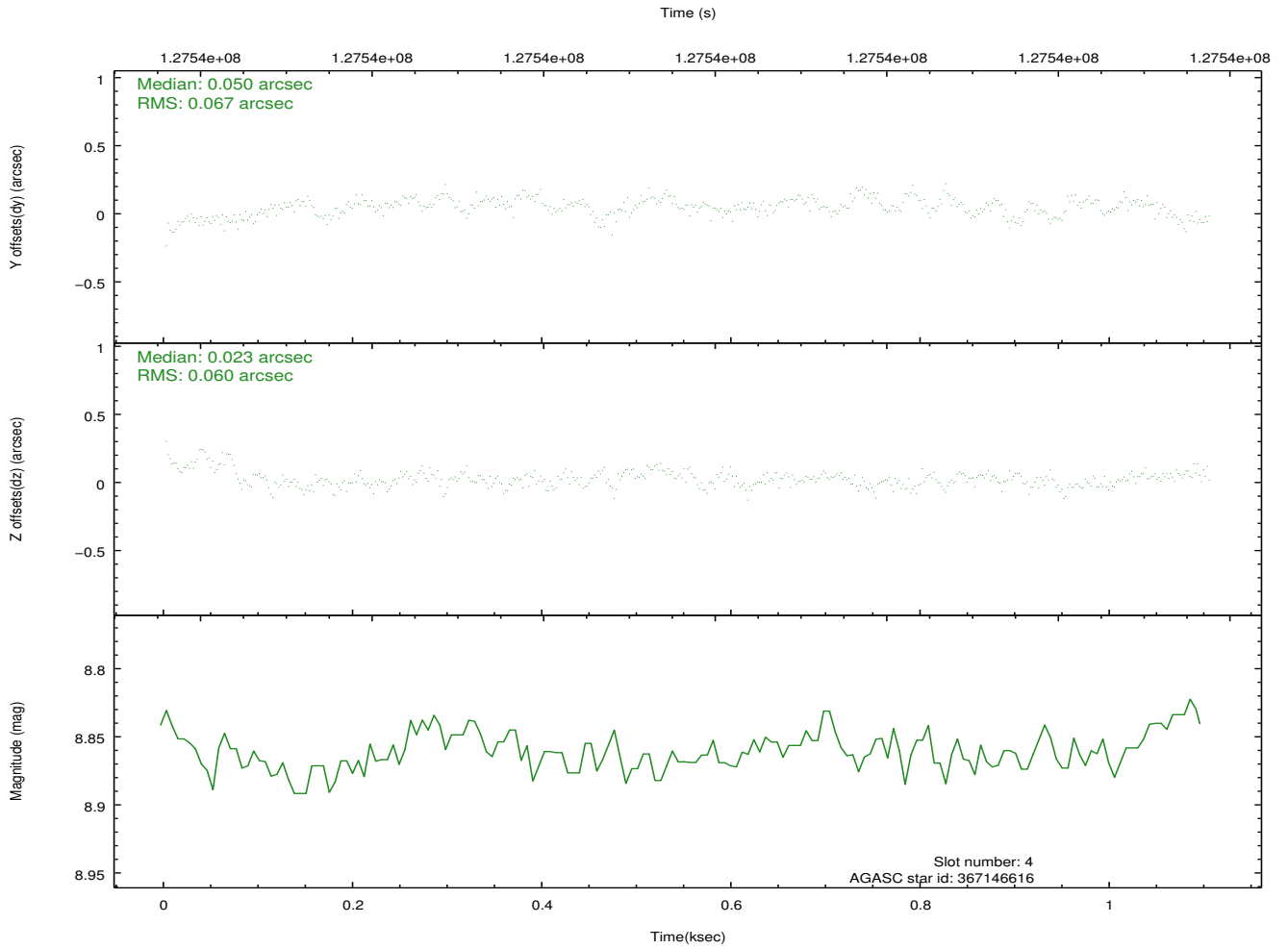
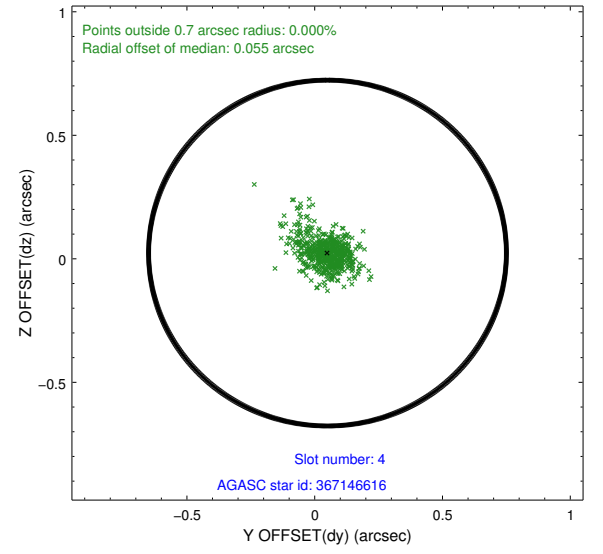
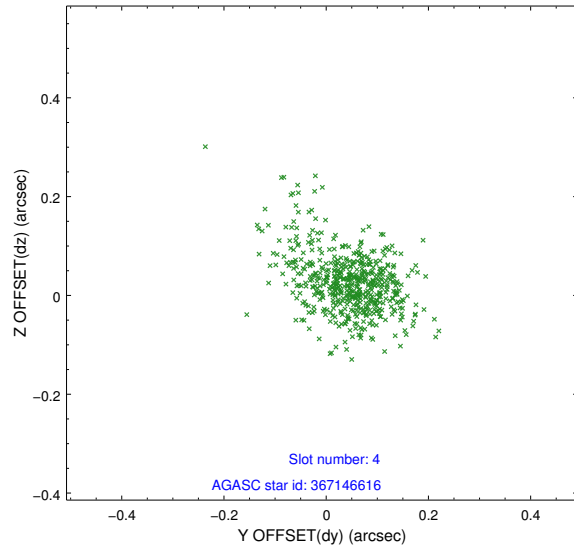


## 2.4 Star Slots

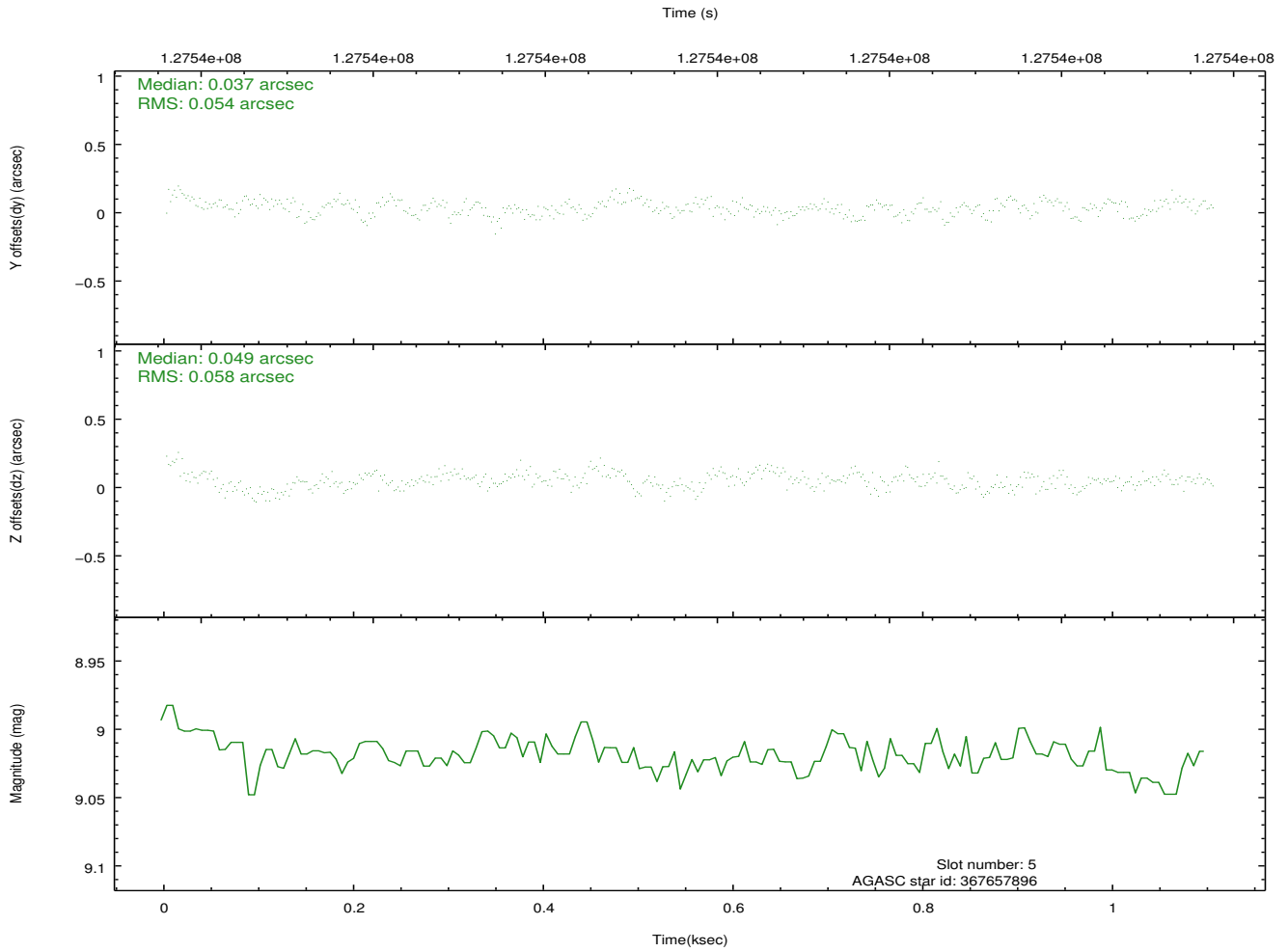
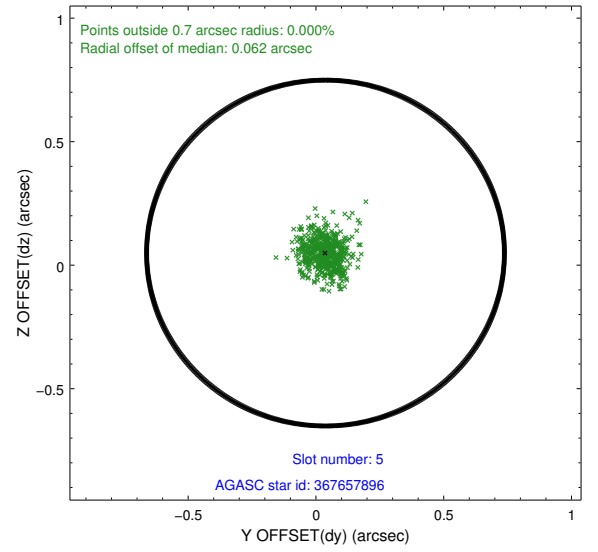
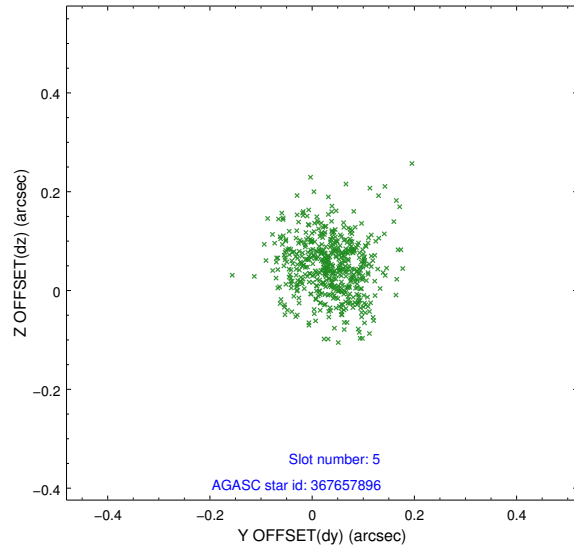
### 2.4.1 Slot 3



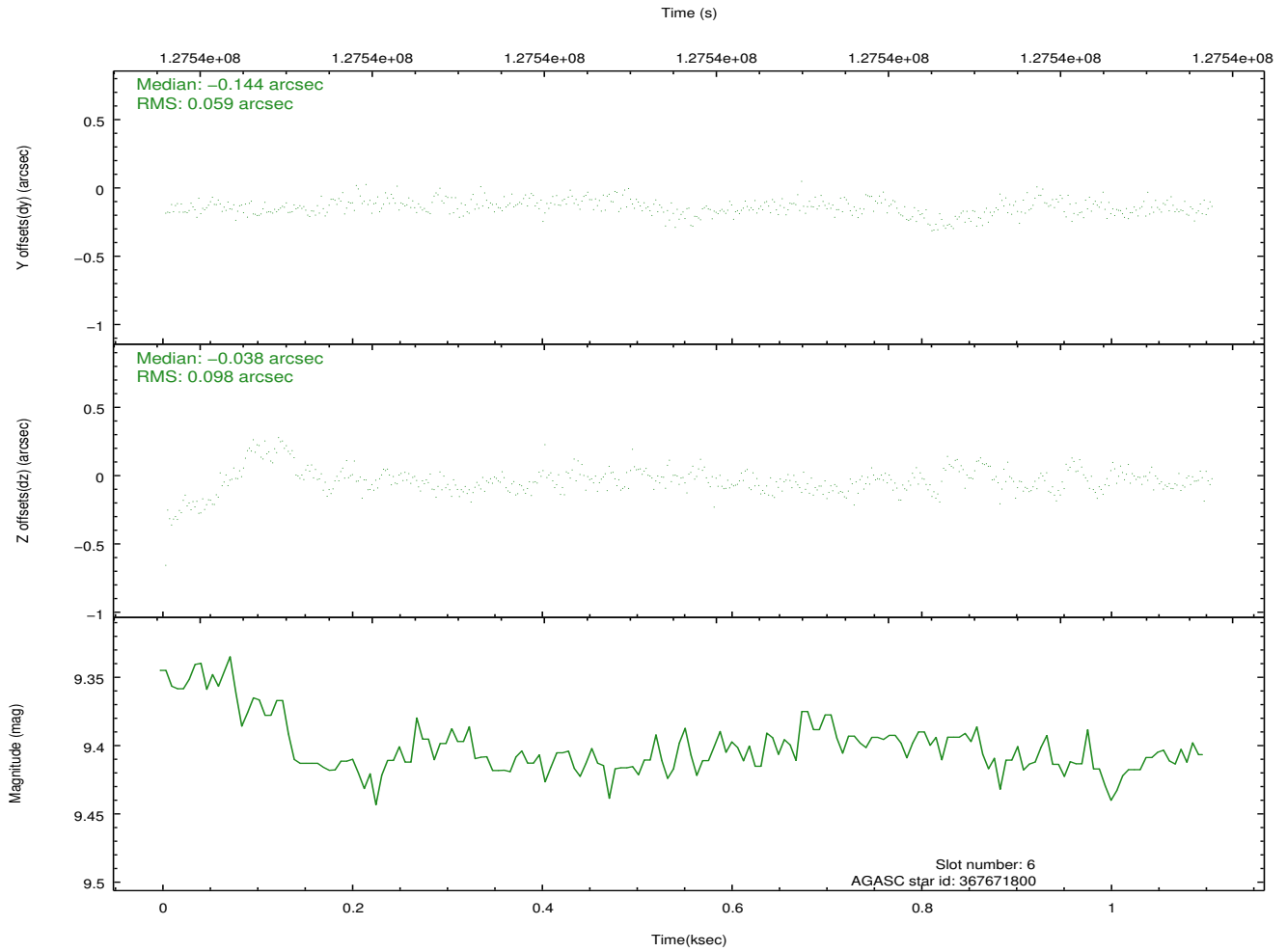
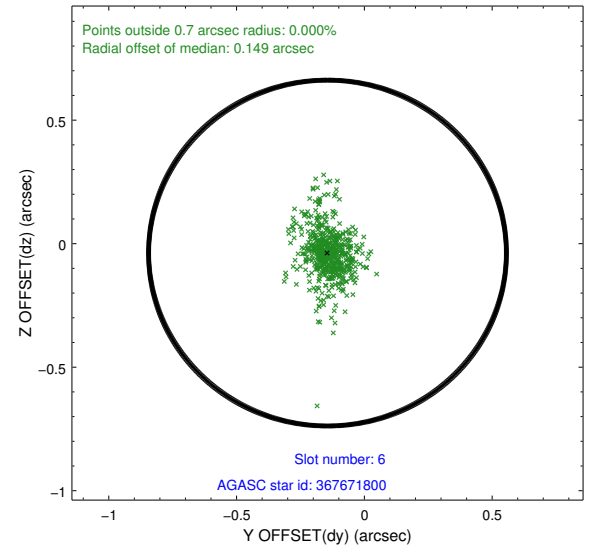
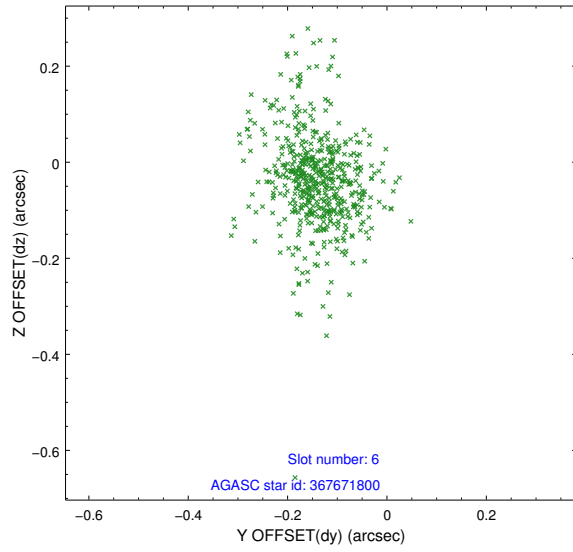
## 2.4.2 Slot 4



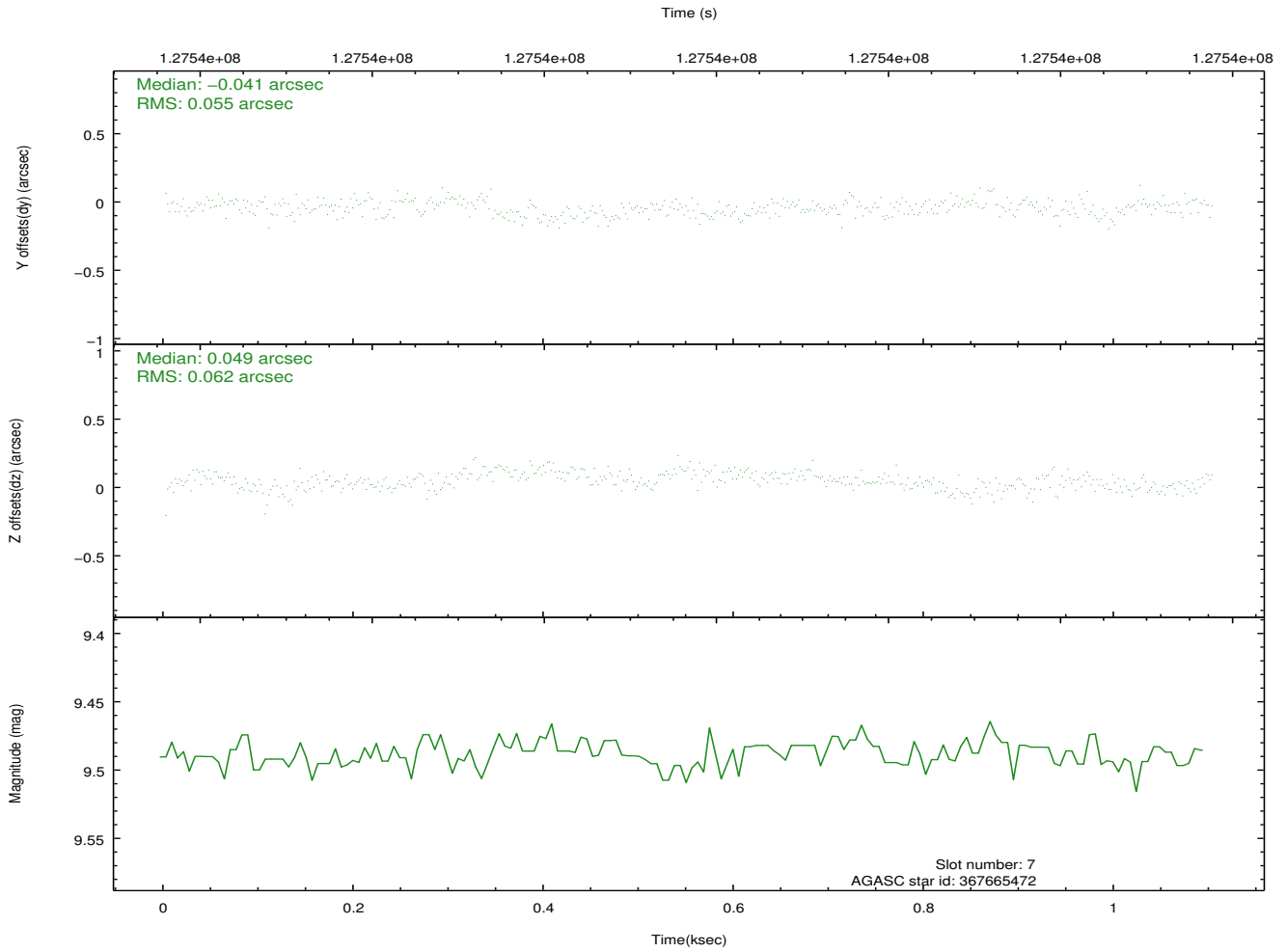
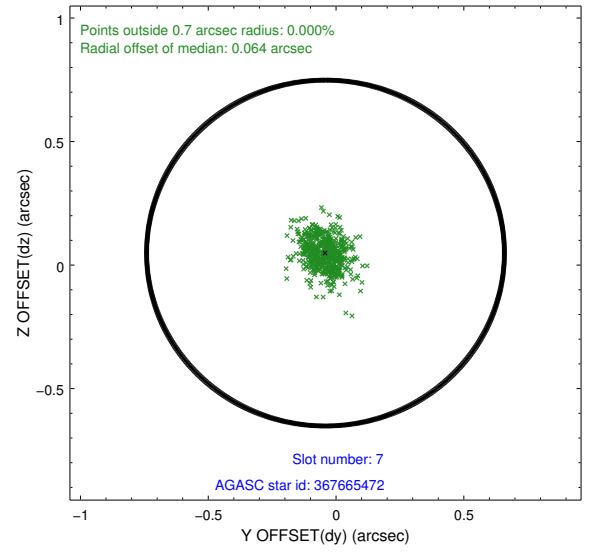
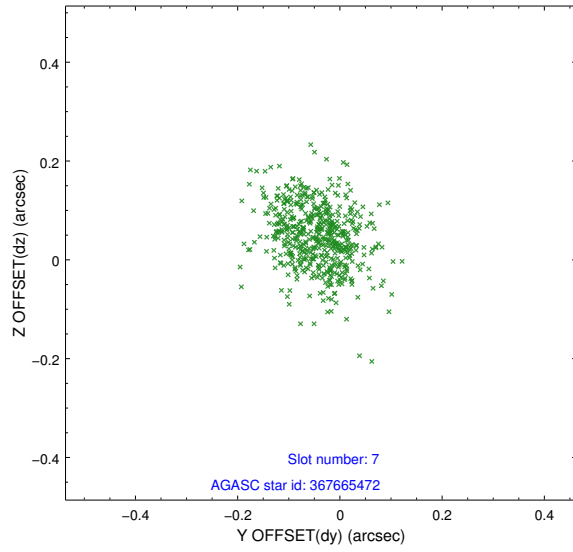
### 2.4.3 Slot 5



## 2.4.4 Slot 6

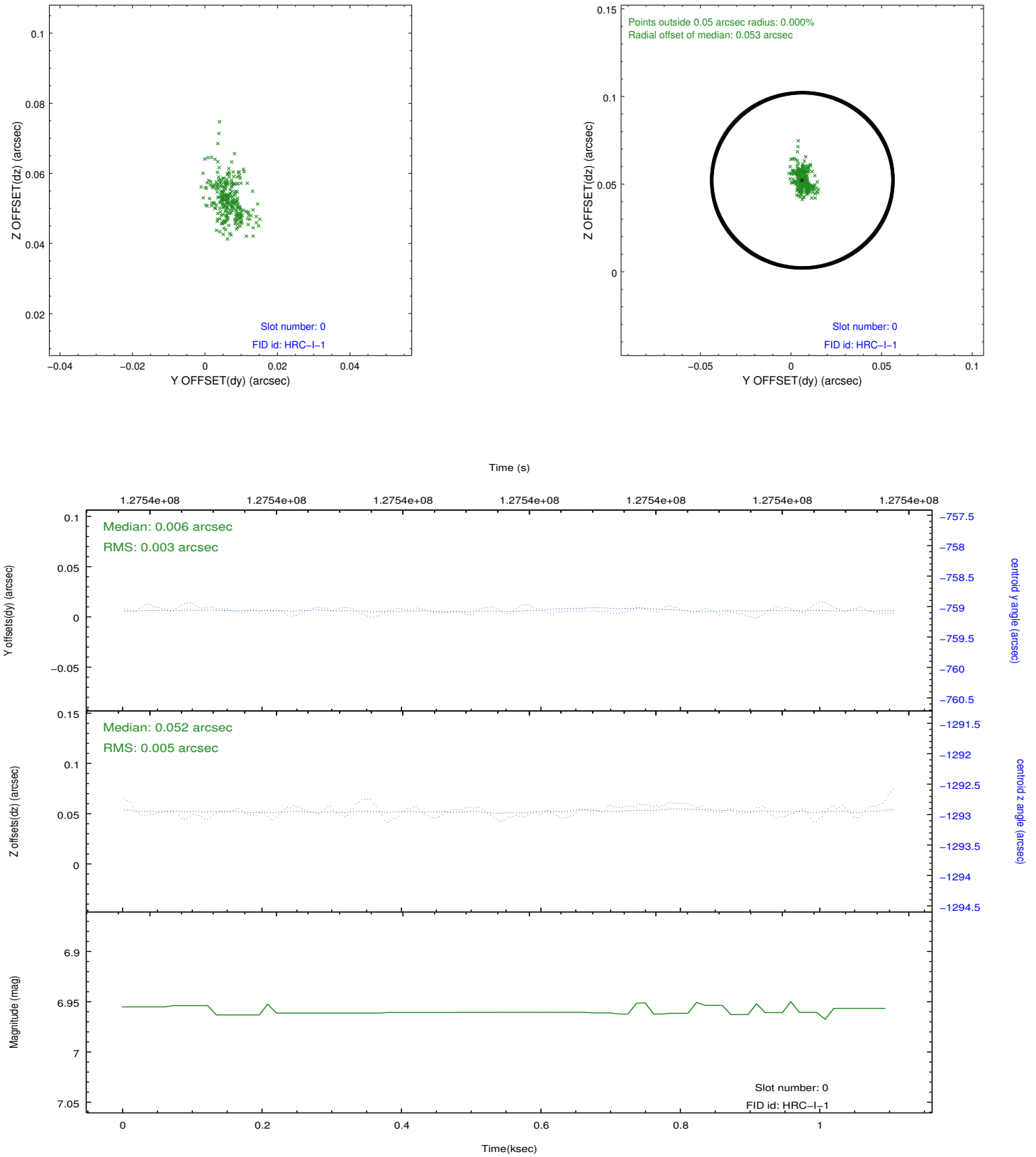


## 2.4.5 Slot 7

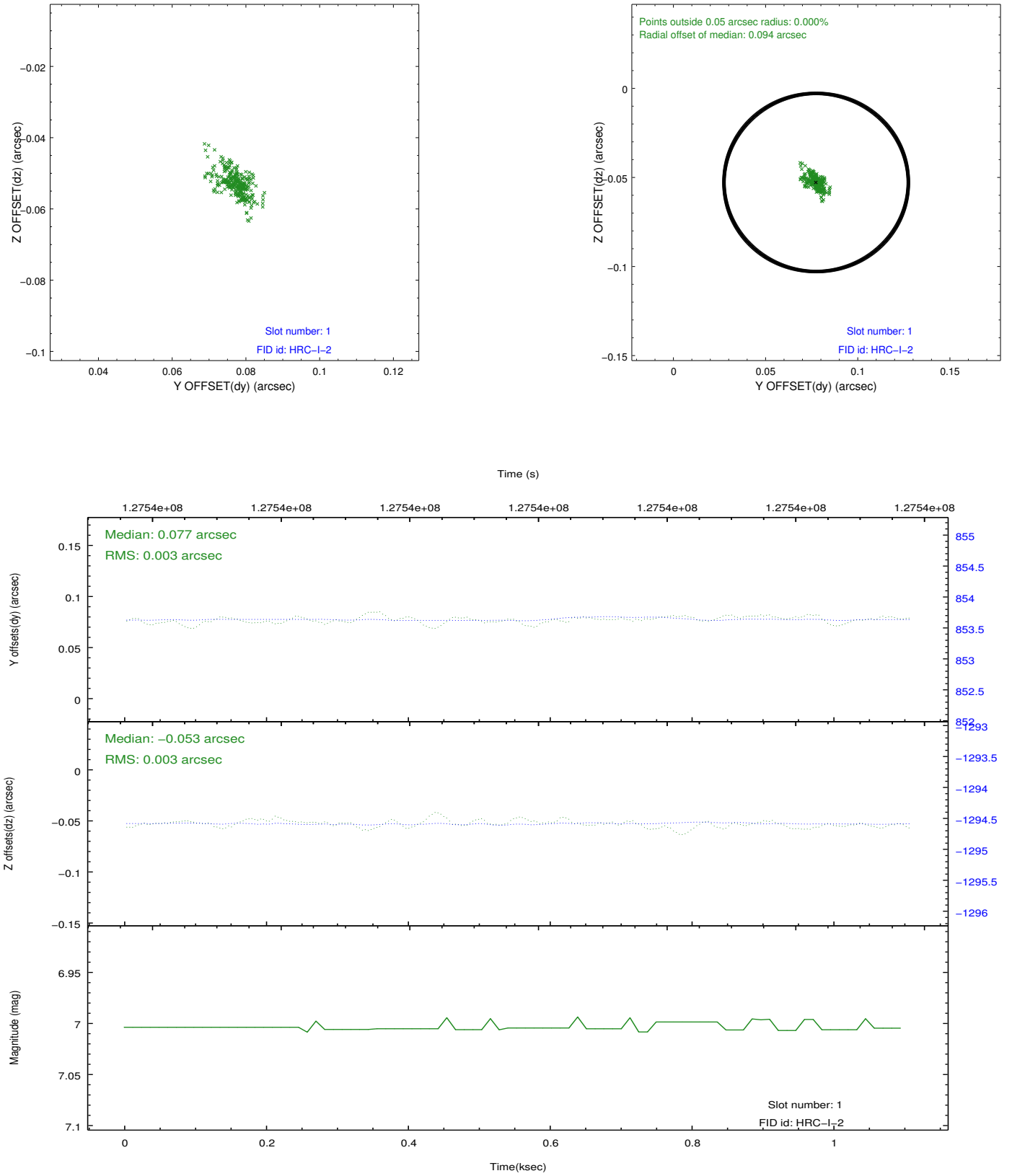


## 2.5 FID Slots

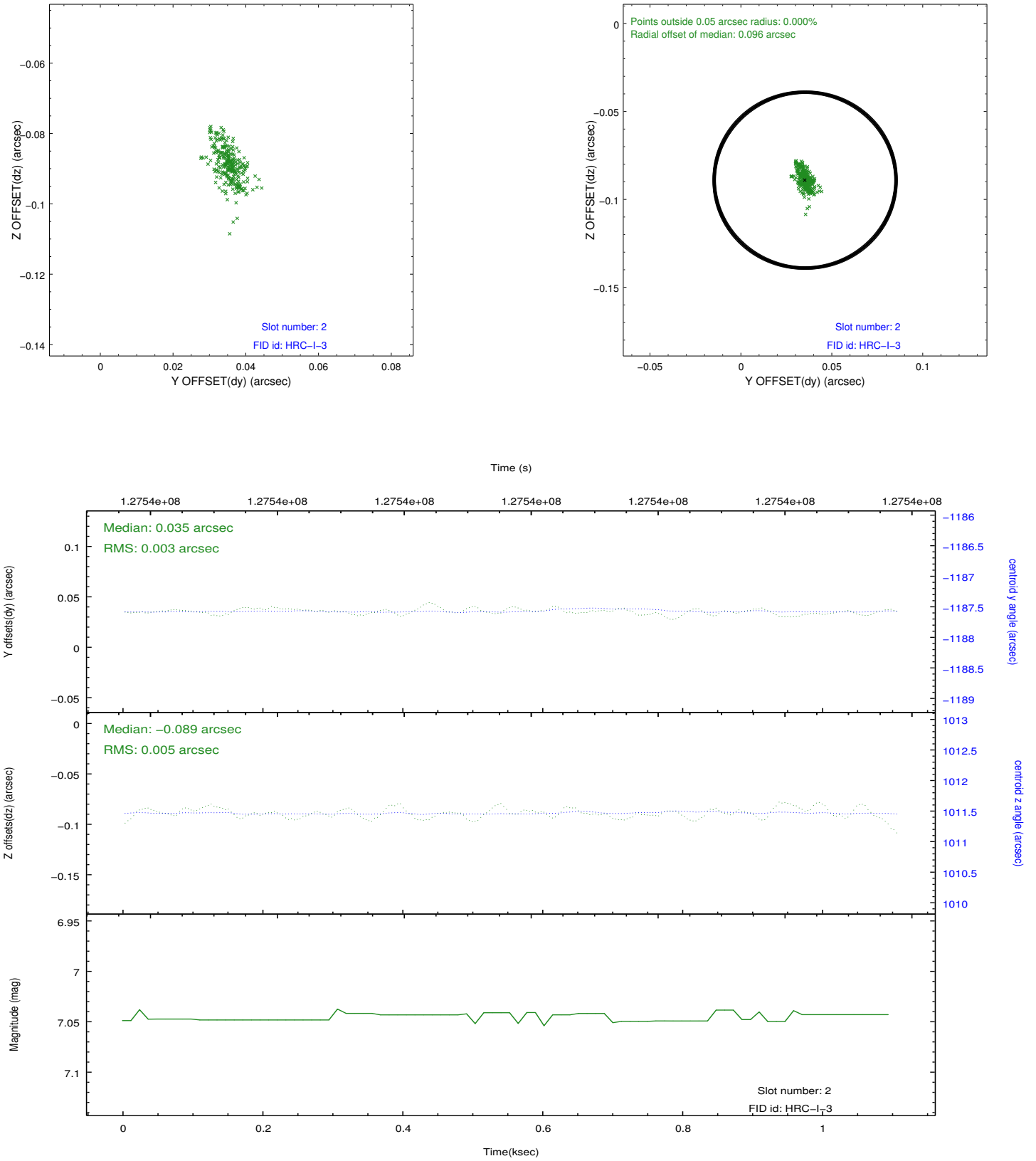
### 2.5.1 Slot 0



## 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)	2012.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.102

### A.2 Comments

Window constraint satisfied.