

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 1566 - L2 Version 4  
Chandra X-Ray Center

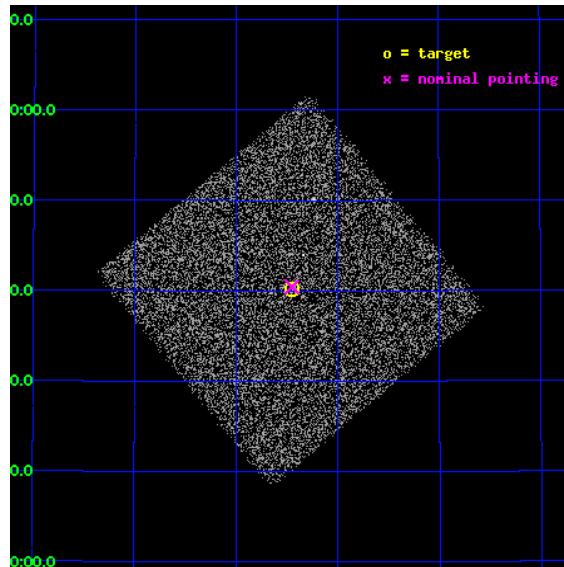
L2 Processing Date : Sep 17 2012

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# 1 Front

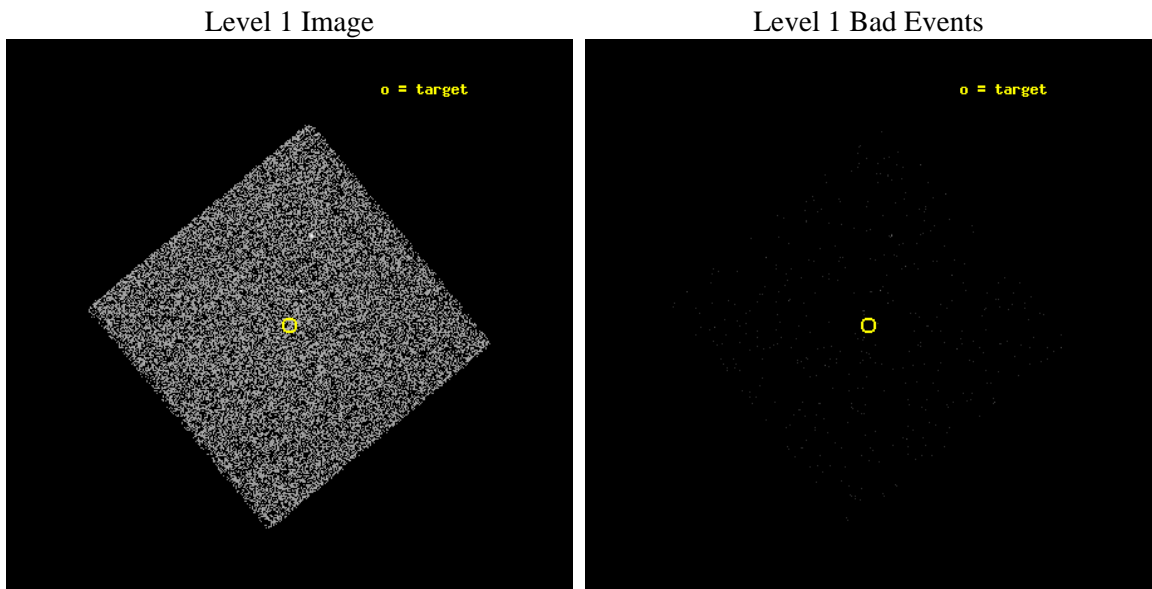
seq_num	600123	Sequence number
obs_id	1566	Observation id
title	HRC MONITORING OF M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - SOUTH 2	Source name
ra_targ	10.1125	Observer's specified target RA [deg]
dec_targ	40.67	Observer's specified target Dec [deg]
ra_nom	10.112691143712	Nominal RA [deg]
dec_nom	40.674233681639	Nominal Dec [deg]
roll_nom	95.370915194997	Nominal Roll [deg]
revision	4	Processing version of data
ontime	871.50628396869	[s]
livetime	867.19693316283	Ontime multiplied by DTCOR
l2events	21368	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	871.50628396869	[s]
caldbver	4.5.1.1	&#160	l1events	38684	Number of level 1 events
date	2012-09-17T18:19:31	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

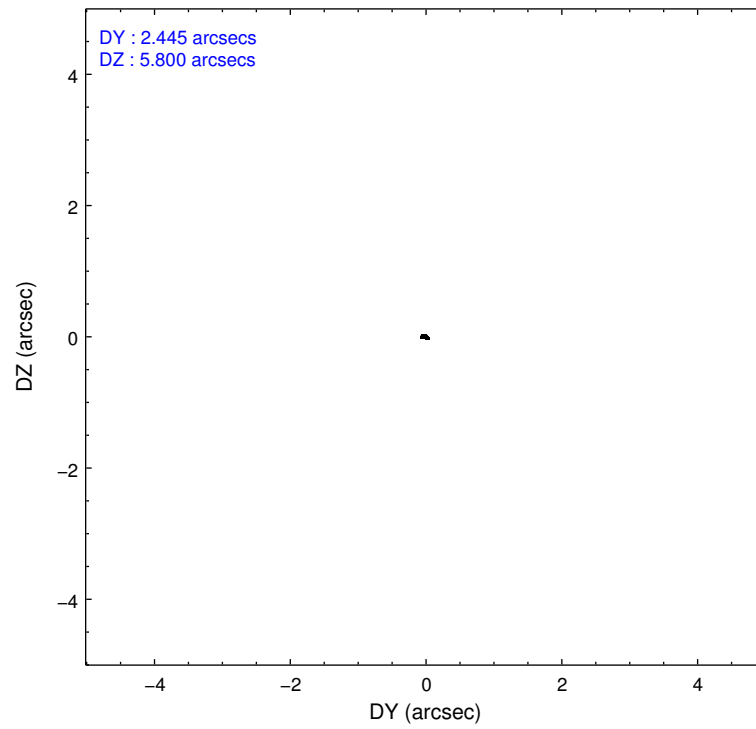
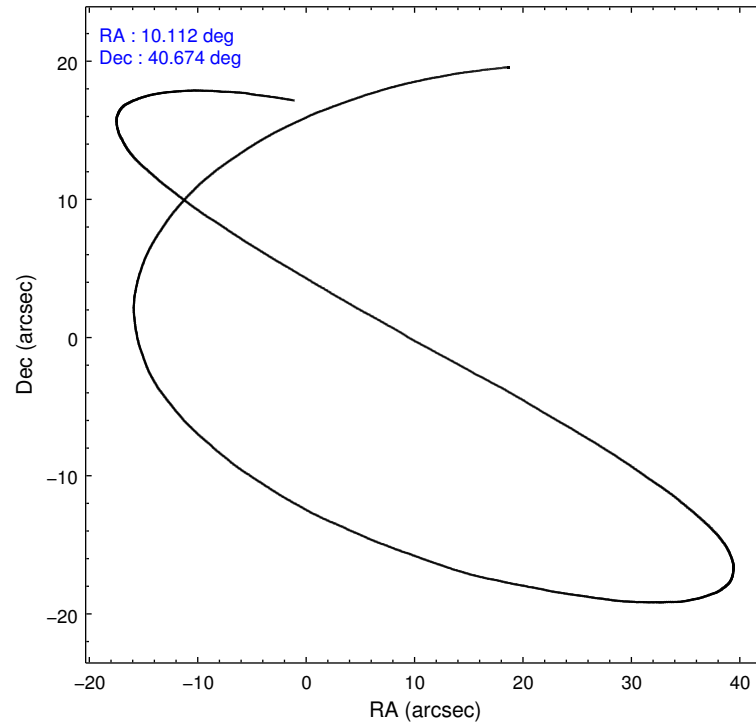
	<b>segment 0</b>
level 1 events	38684
rejected events	6704
rejected %	17%

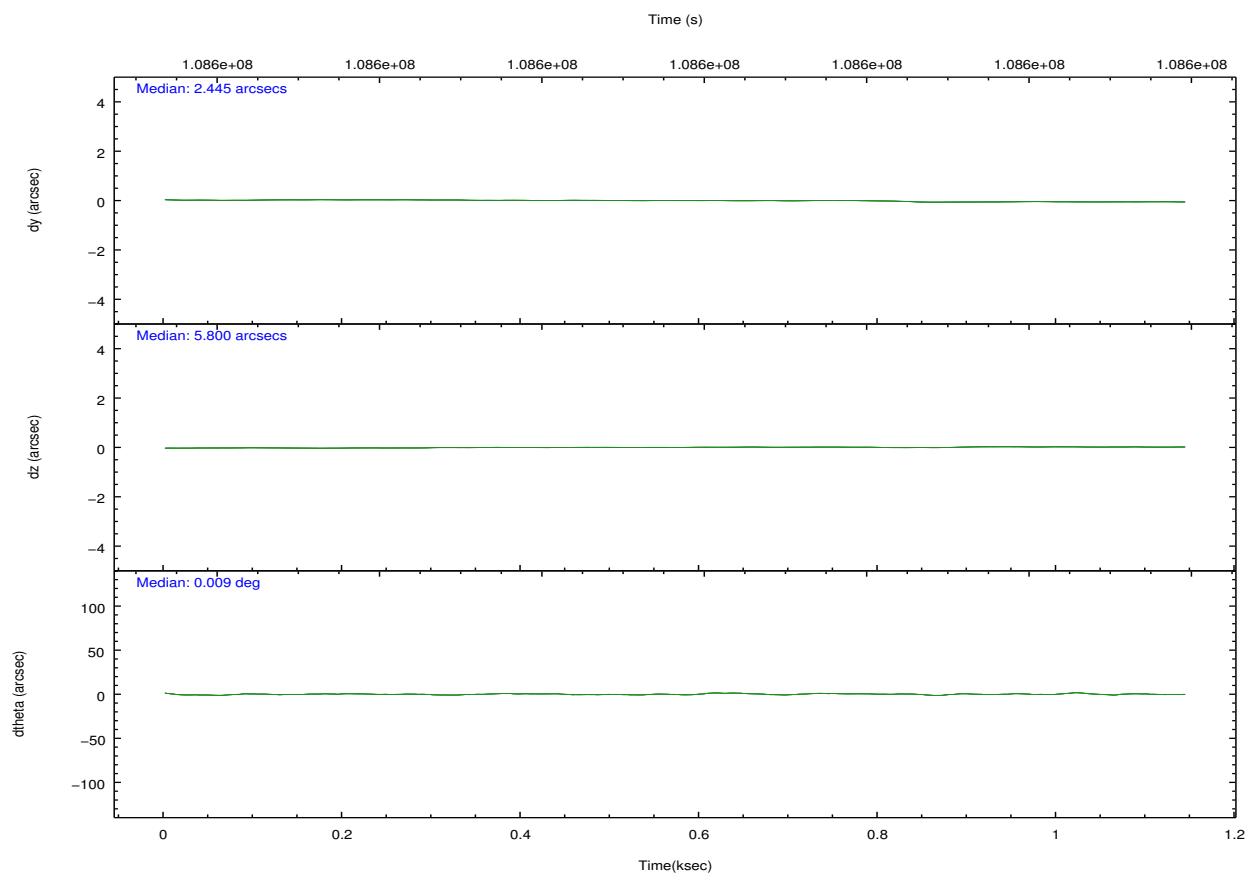
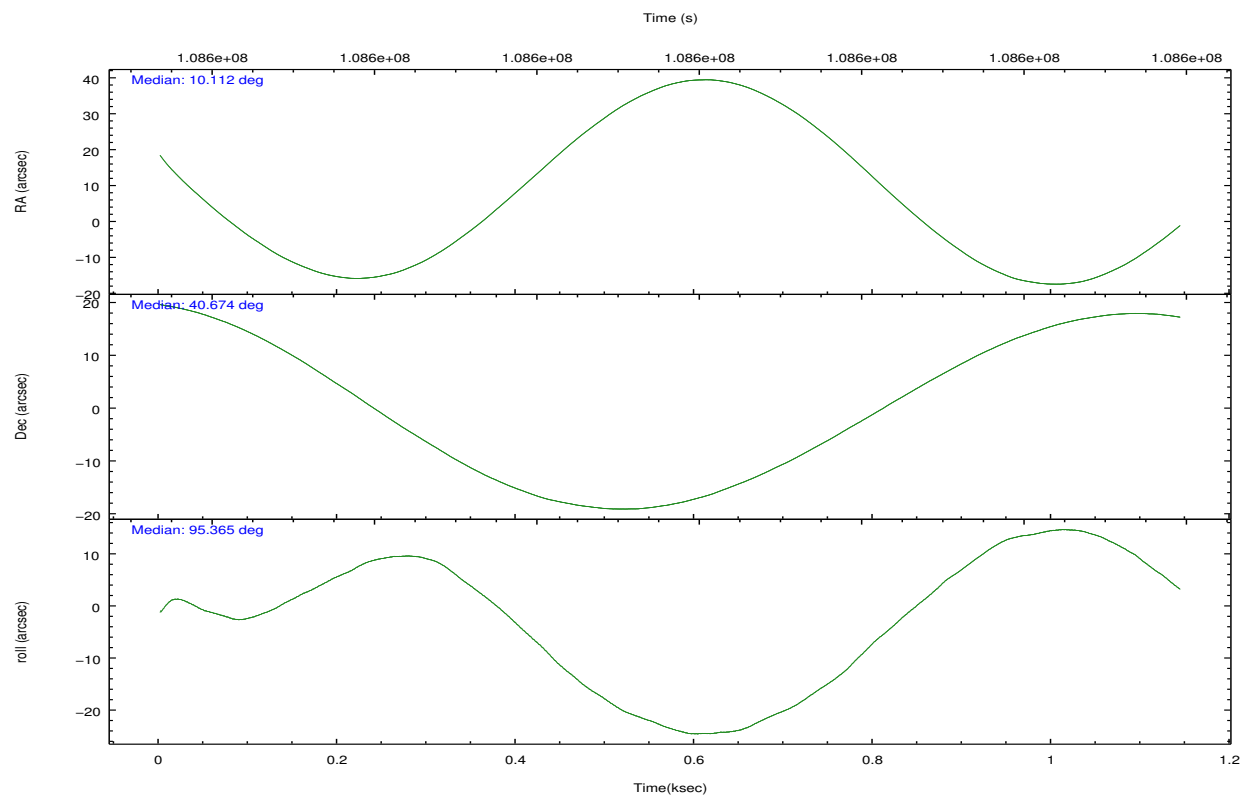
## 2.2 Compared Parameters

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	10.135479	10.112691143712
[deg] Pointing Dec	40.652247	40.6742336816386
[deg] Pointing Roll	95.451462	95.37091519499678
[s] Window start time (MET)	108172864.184000	108172864.184000
[s] Window stop time (MET)	108691264.184000	108691264.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.98297998999862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	108595736.184000	108595329.8014
Observation start date	2001-06-10T21:27:52	2001-06-10T21:22:09
[s] Observation end time (MET)	108596736.184000	108596870.88896
Observation end date	2001-06-10T21:44:32	2001-06-10T21:47:50

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

## 2.3 Aspect





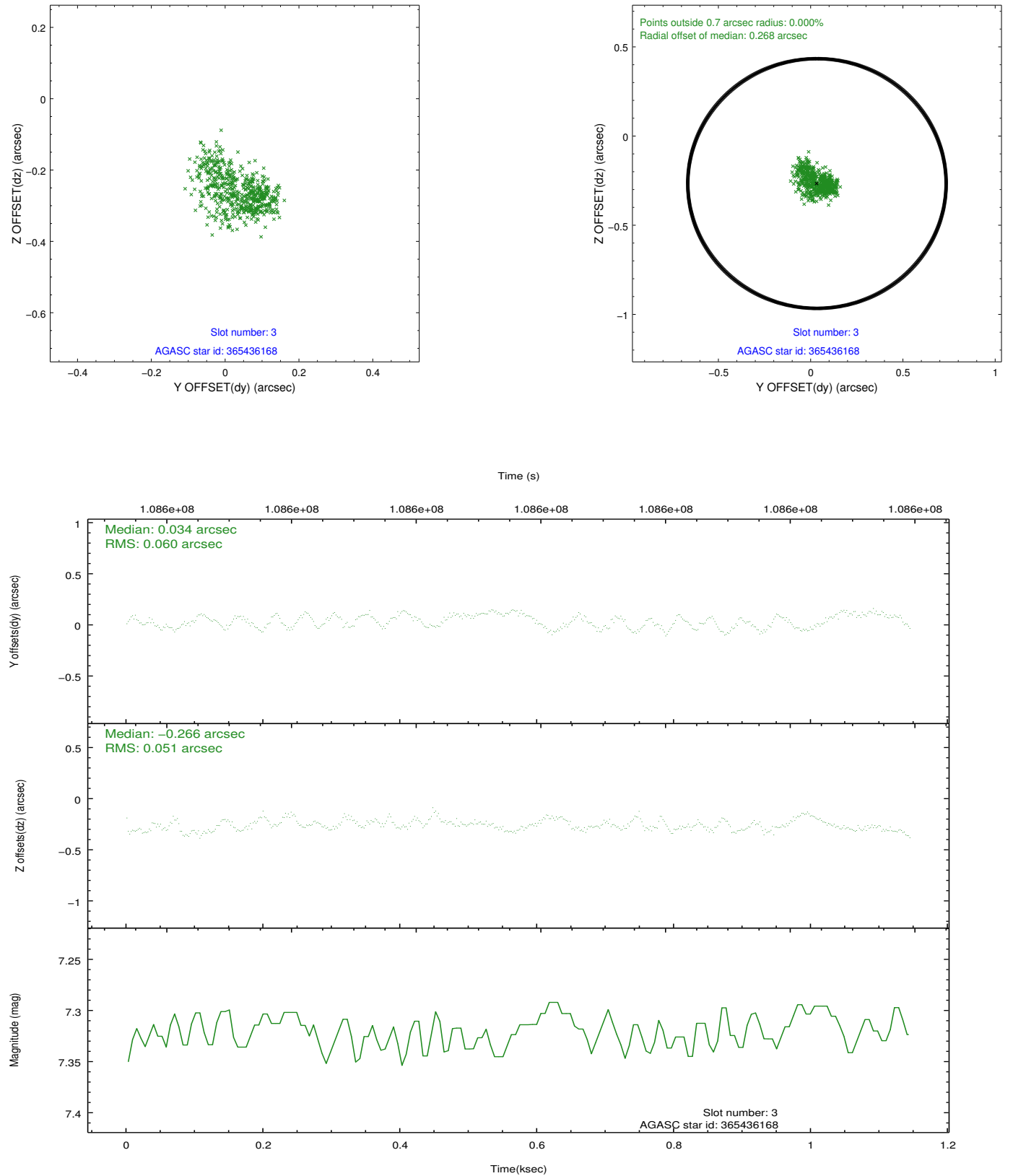
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	279	0.029	0.028	0.006	0.011	0.000000	0.000000	-757.87	-1293.58
1	FID	HRC-I-3	7.07	279	0.025	-0.085	0.007	0.011	0.000000	0.000000	-1189.07	1006.24
2	FID	HRC-I-4	7.02	279	0.060	-0.032	0.005	0.008	0.000000	0.000000	1280.70	1012.13
3	GUIDE	365436168	7.32	559	0.034	-0.266	0.085	0.129	9.360006	40.332380	-935.81	2223.63
4	GUIDE	367139648	8.19	559	0.025	0.303	0.082	0.123	11.021290	40.433909	-1003.12	-2341.63
5	GUIDE	365439720	8.48	559	0.015	-0.059	0.062	0.098	9.704623	40.431022	-680.43	1243.38
6	GUIDE	367144424	8.64	559	0.119	0.128	0.061	0.103	10.464515	40.309136	-1315.51	-782.82
7	GUIDE	365431072	9.00	555	-0.195	-0.126	0.074	0.123	9.376278	41.092224	1777.97	1894.92

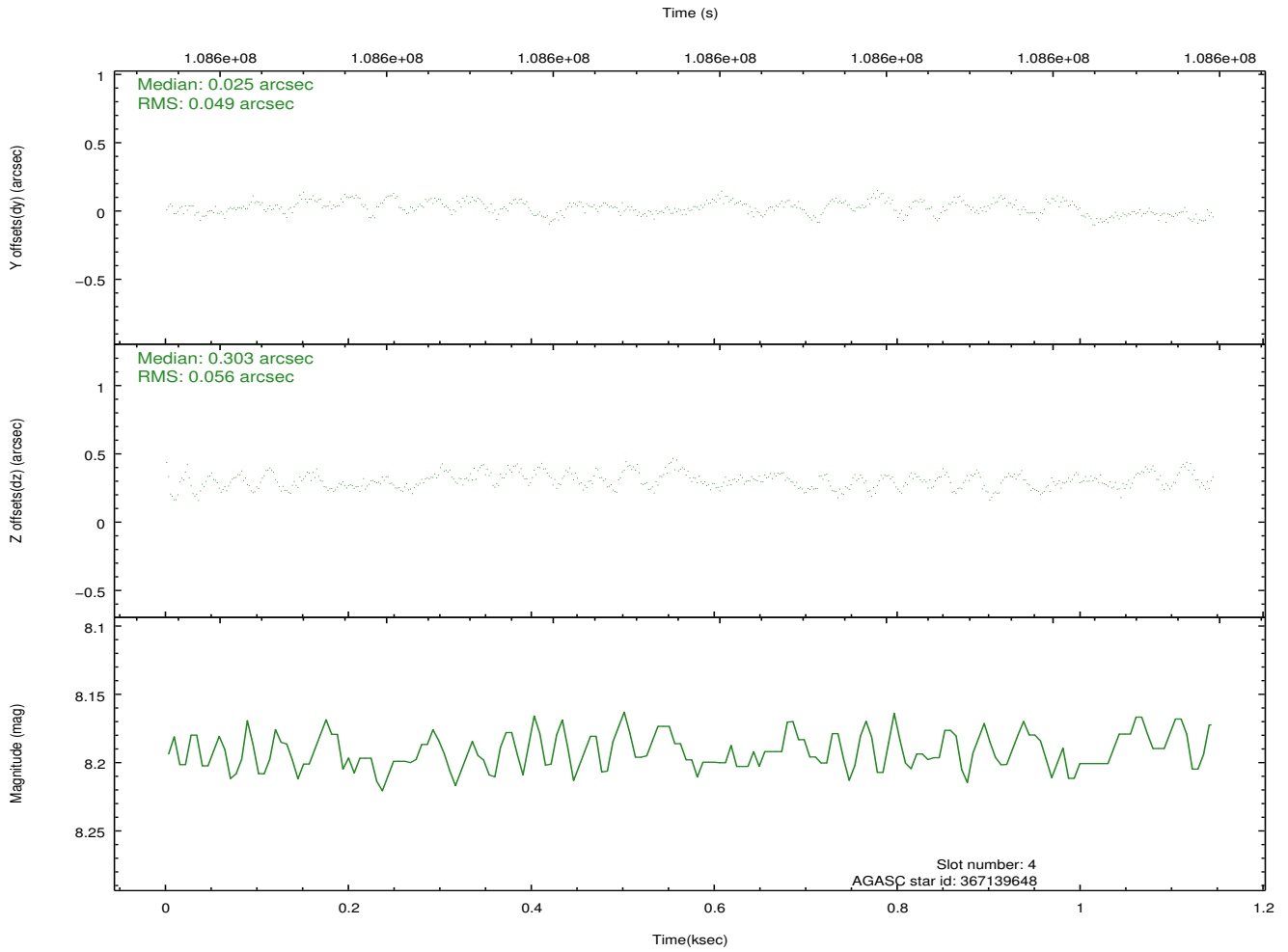
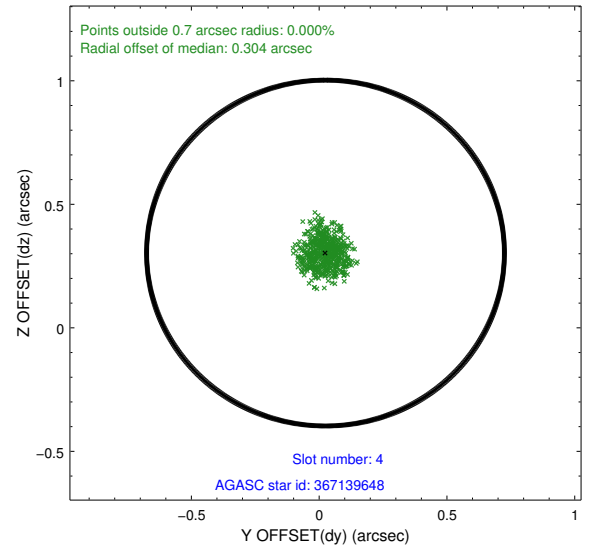
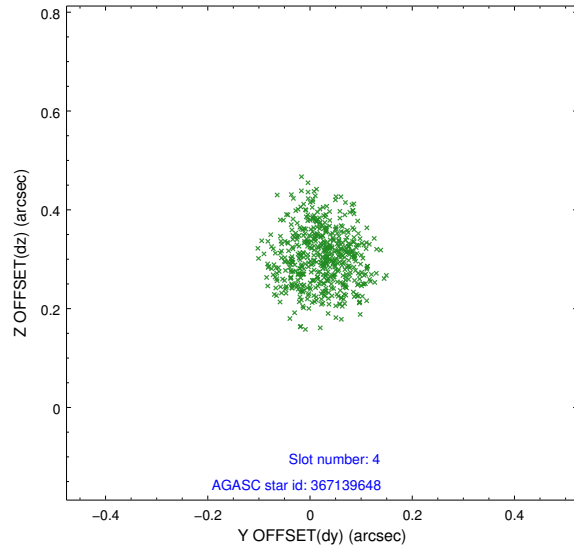


## 2.4 Star Slots

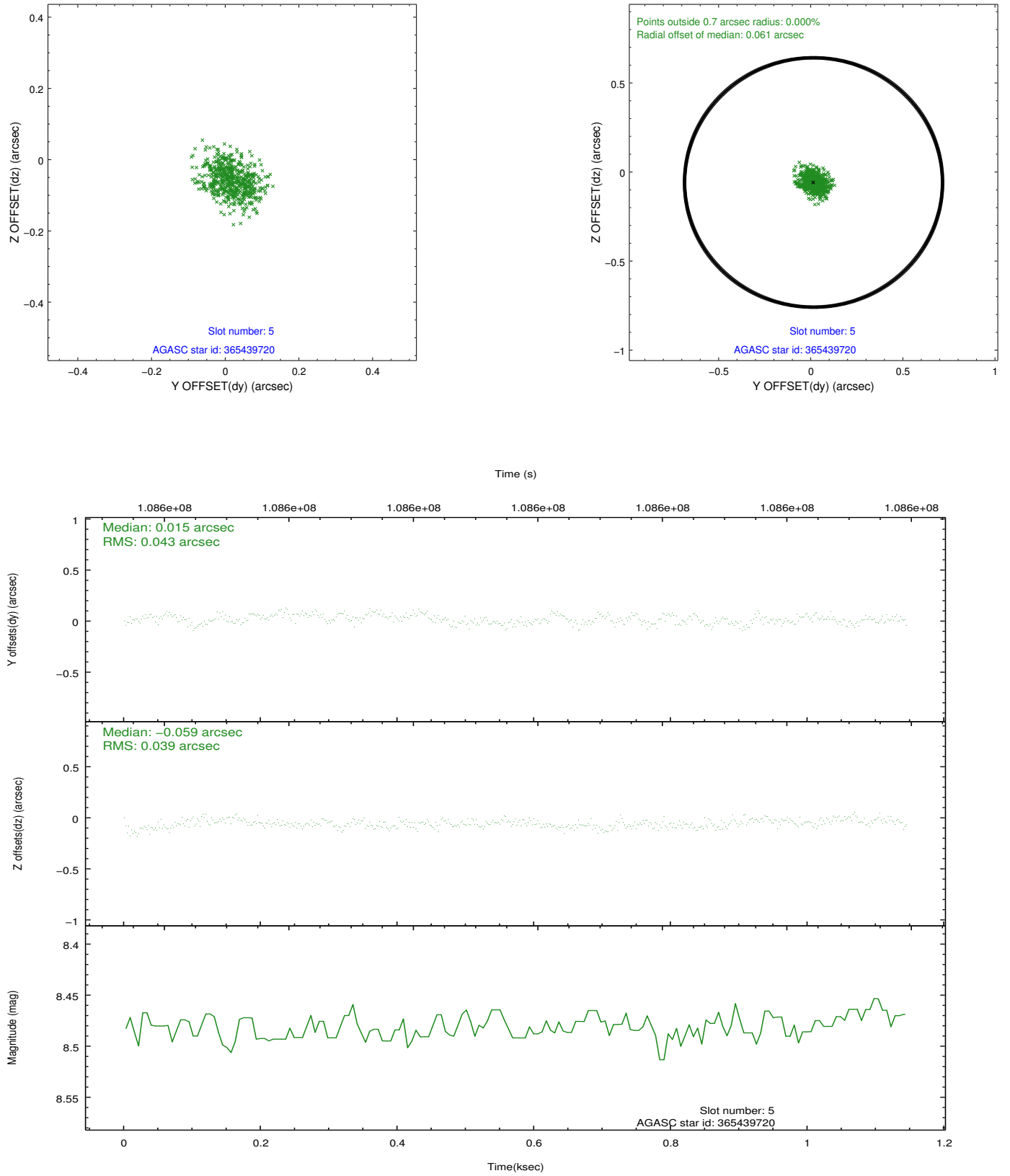
### 2.4.1 Slot 3



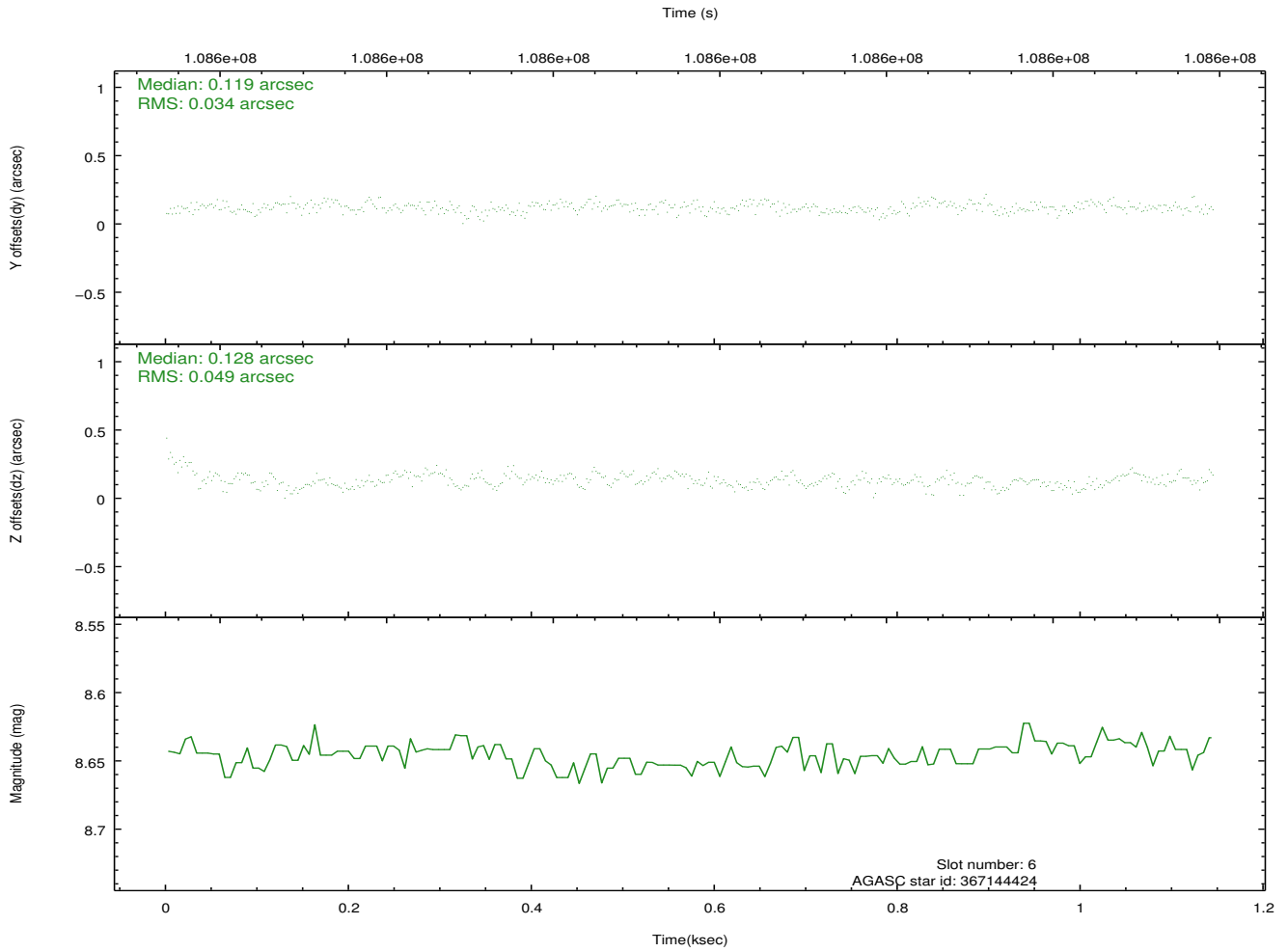
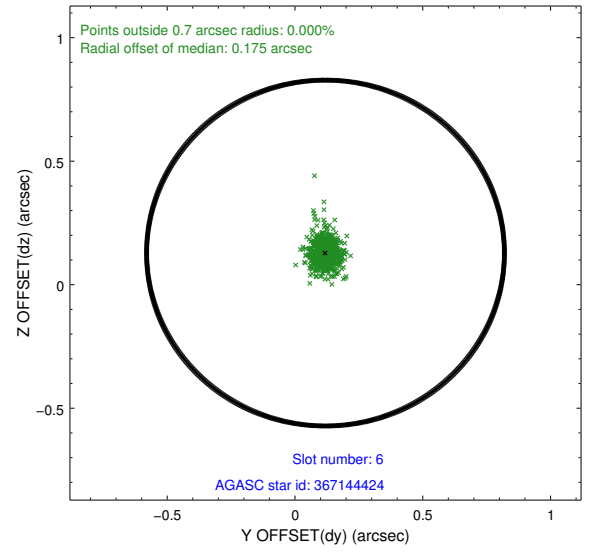
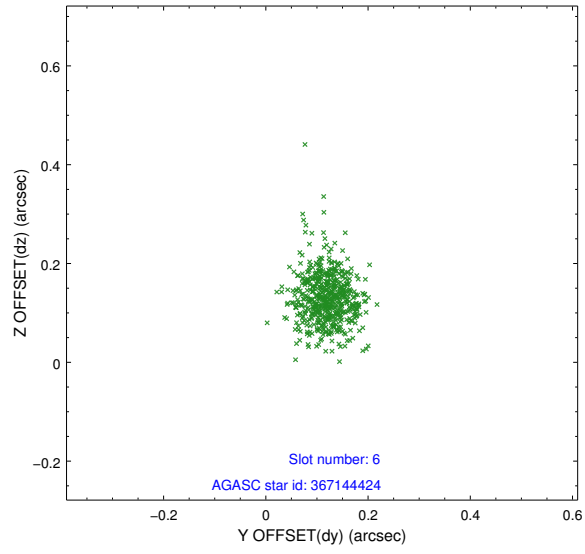
## 2.4.2 Slot 4



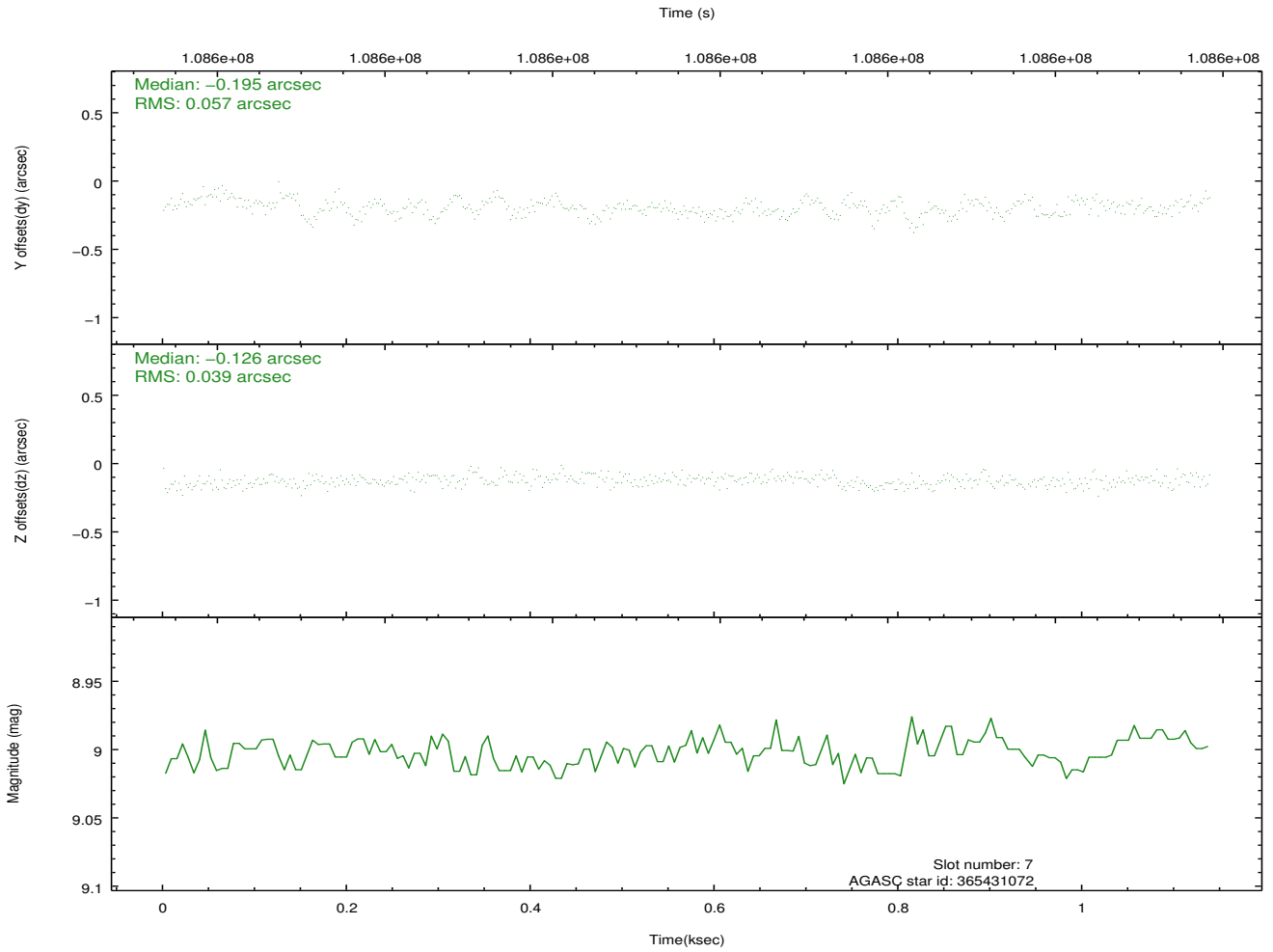
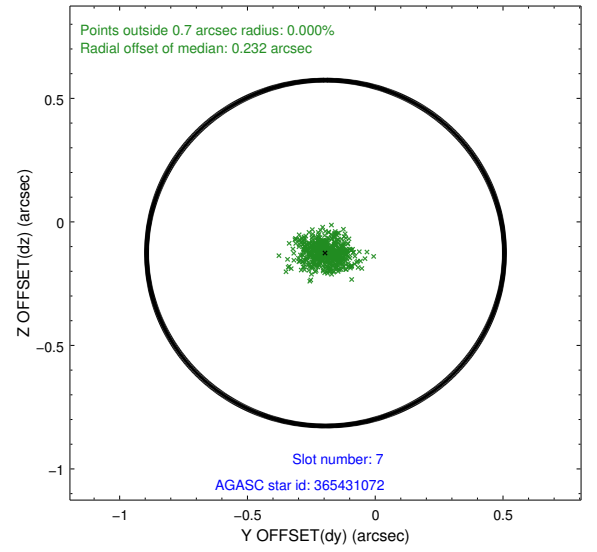
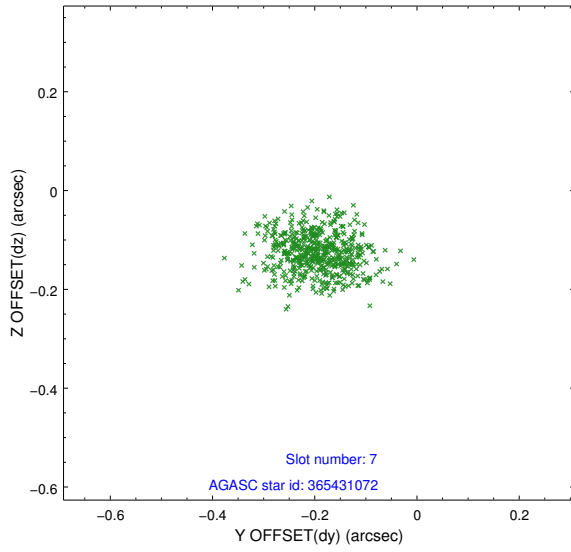
### 2.4.3 Slot 5



## 2.4.4 Slot 6

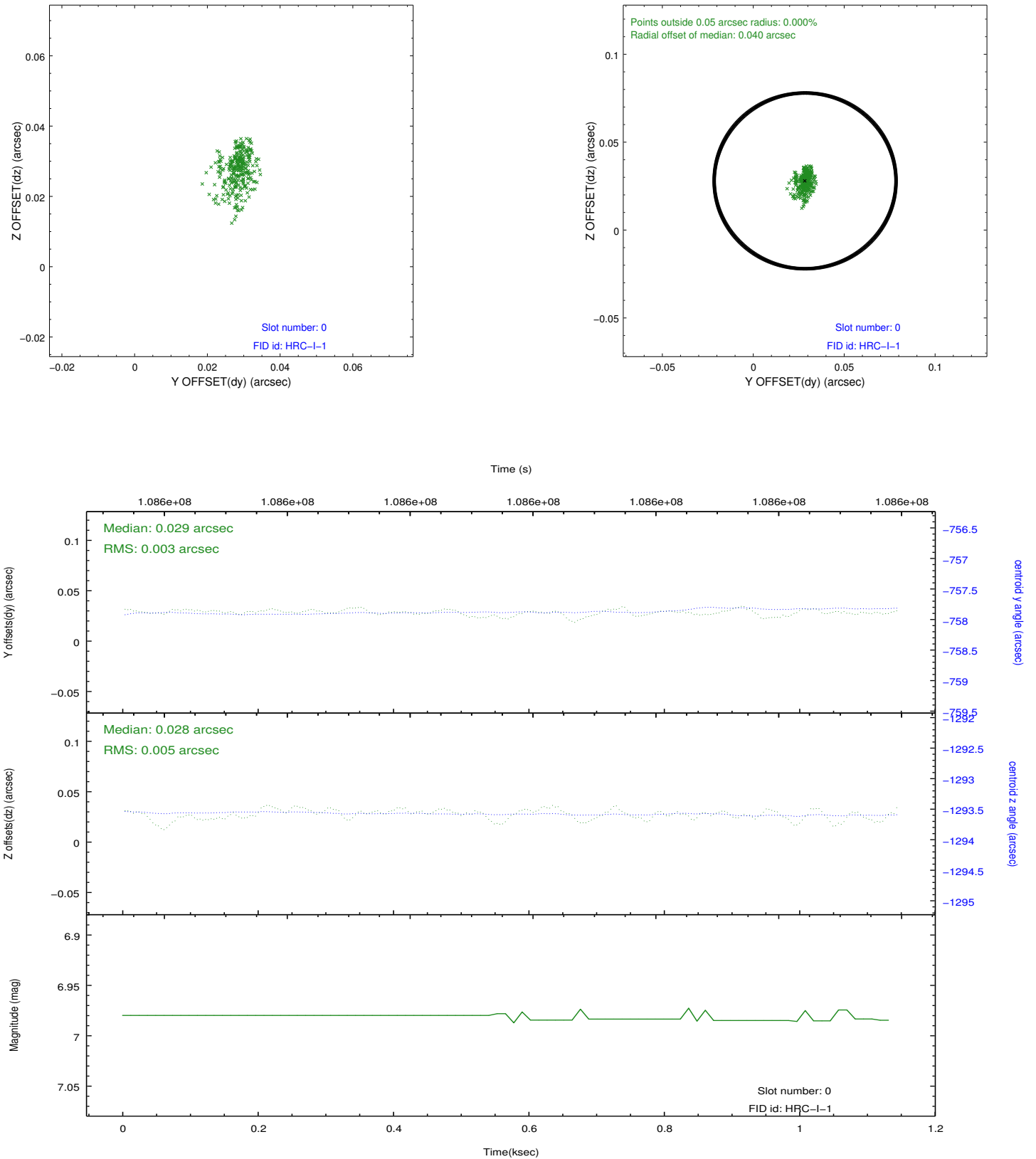


## 2.4.5 Slot 7

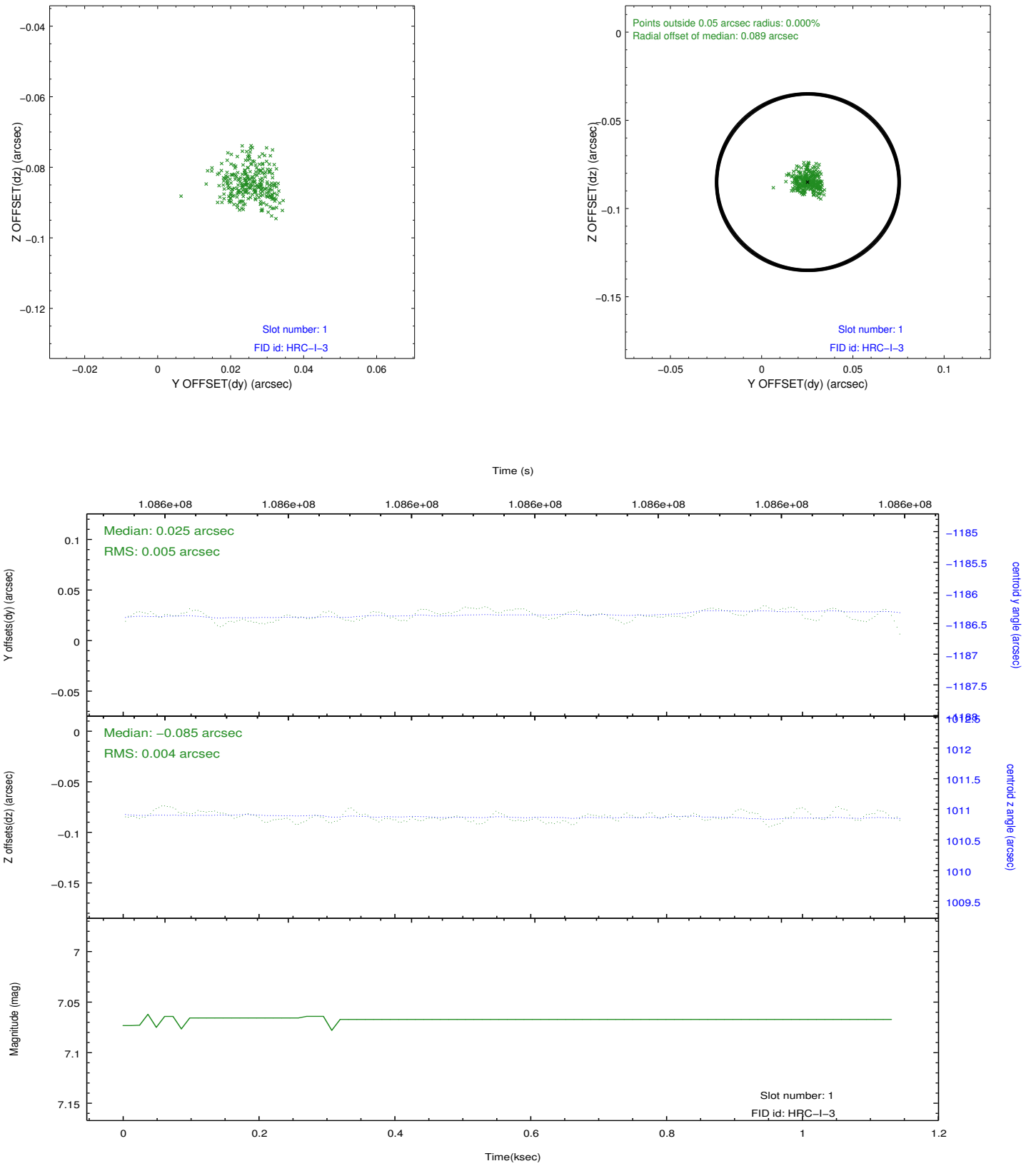


## 2.5 FID Slots

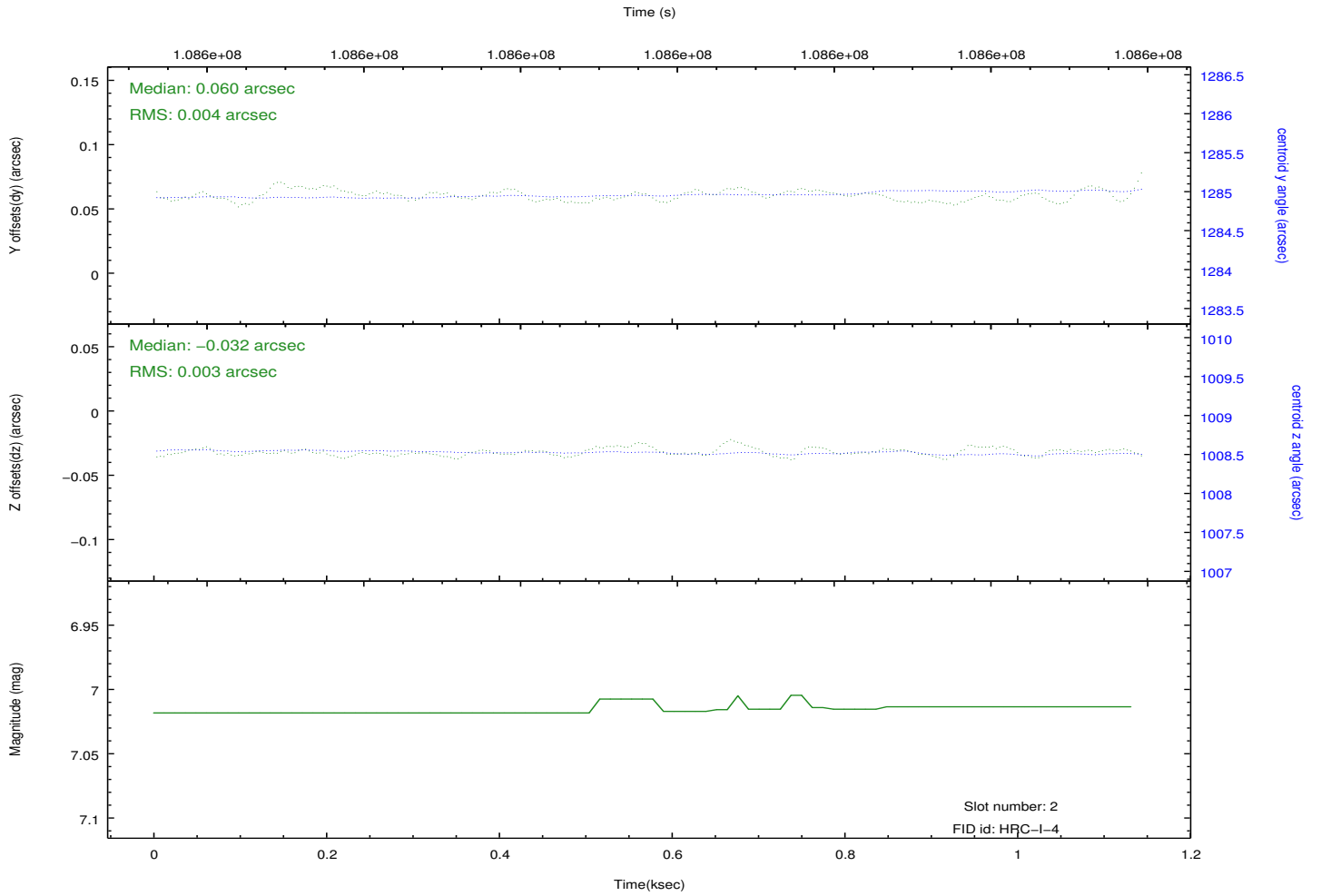
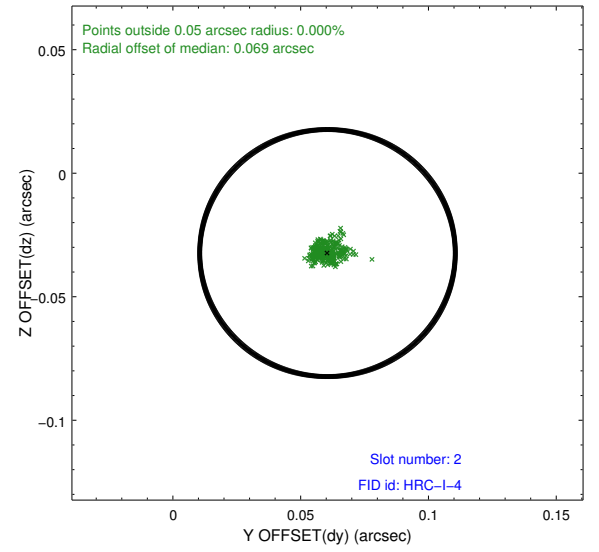
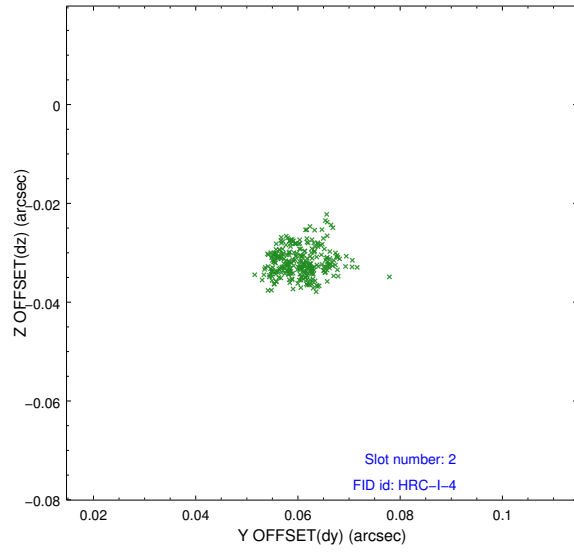
### 2.5.1 Slot 0



## 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)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.871

### A.2 Comments

Window preference met.