

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 295 - L2 Version 6  
Chandra X-Ray Center

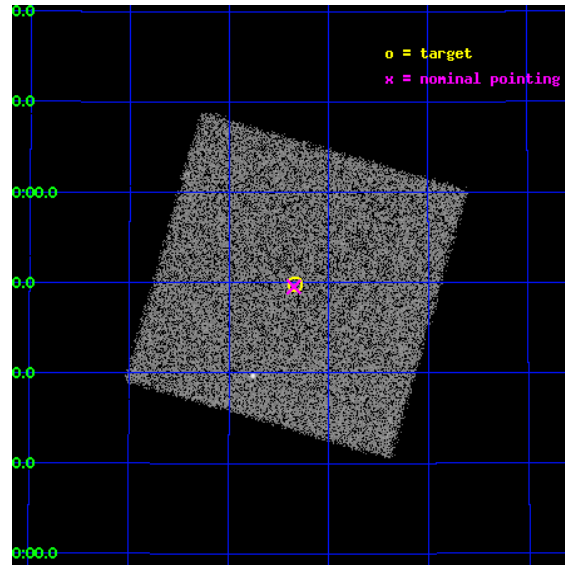
L2 Processing Date : Aug 24 2012

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# 1 Front

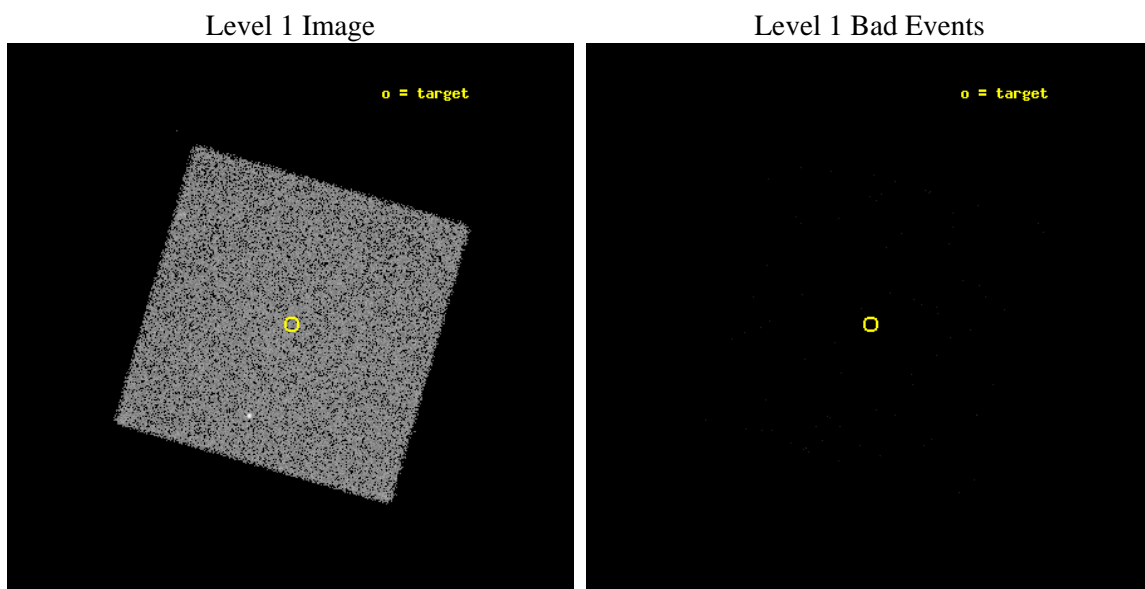
seq_num	600055	Sequence number
obs_id	295	Observation id
title	MONITORING M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - North 2	Source name
ra_targ	11.333333	Observer's specified target RA [deg]
dec_targ	41.829722	Observer's specified target Dec [deg]
ra_nom	11.337134454319	Nominal RA [deg]
dec_nom	41.825990859974	Nominal Dec [deg]
roll_nom	331.19951876029	Nominal Roll [deg]
revision	6	Processing version of data
ontime	2473.4532155544	[s]
livetime	2460.0561147963	Ontime multiplied by DTCOR
l2events	63353	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2475.3750904053	[s]
caldbver	4.5.1.1	&#160	l1events	107631	Number of level 1 events
date	2012-08-24T04:29:46	Date and time of file creation			
revision	6	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

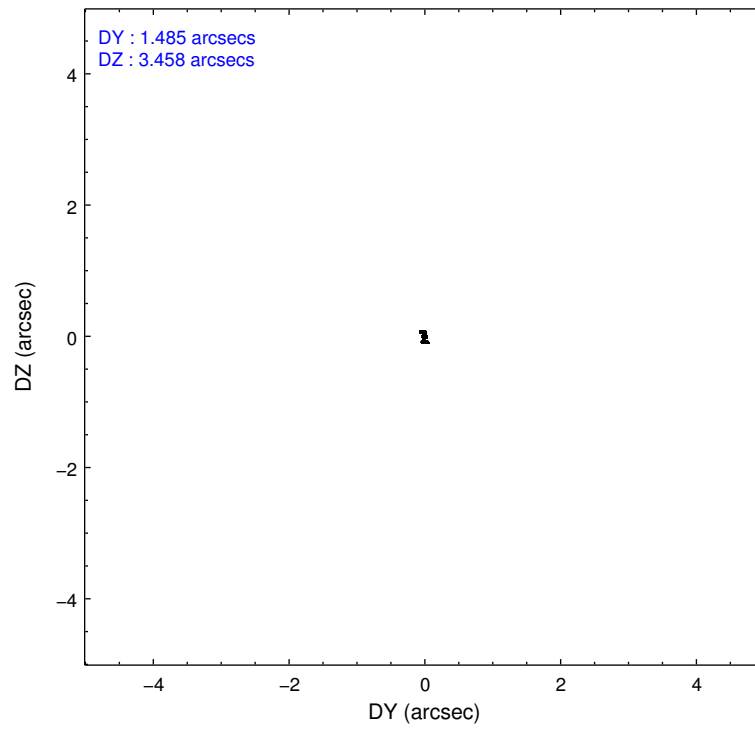
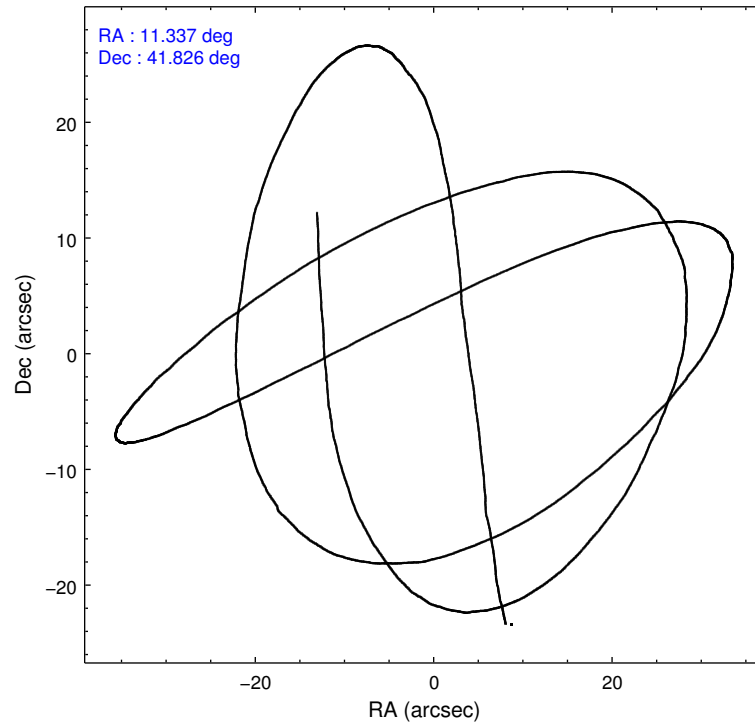
	<b>segment 0</b>
level 1 events	107631
rejected events	10014
rejected %	9%

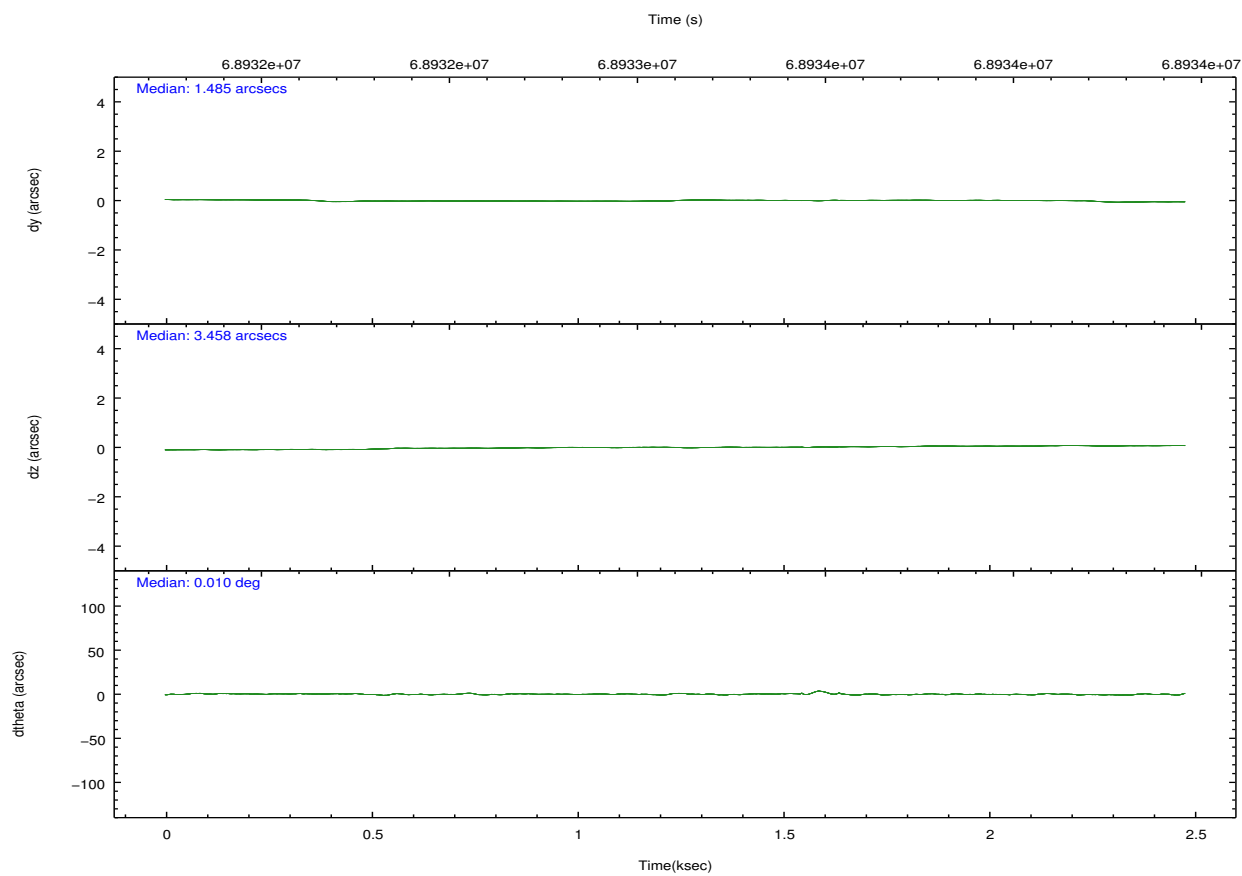
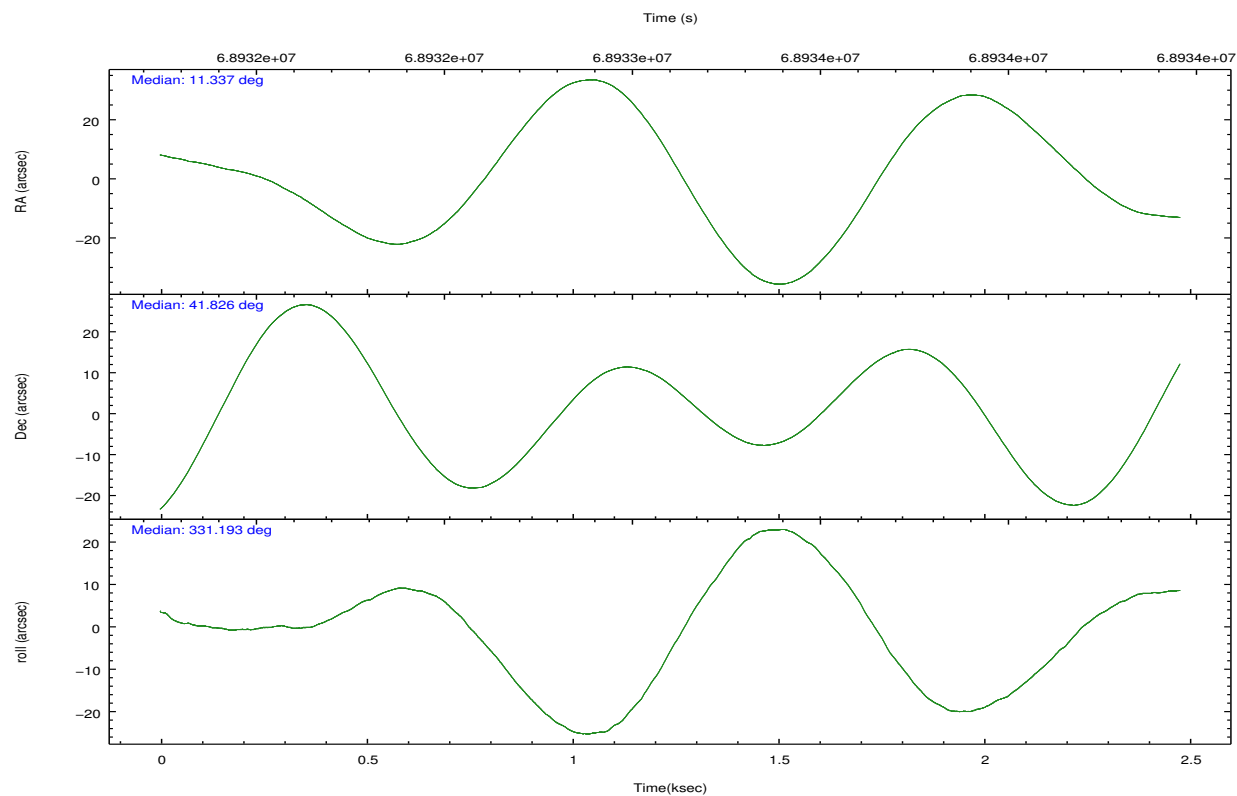
## 2.2 Compared Parameters

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	11.300473	11.33713445431914
[deg] Pointing Dec	41.825258	41.82599085997443
[deg] Pointing Roll	331.319475	331.1995187602887
[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)	68932338.184000	68931672.565092
Observation start date	2000-03-08T19:51:14	2000-03-08T19:41:12
[s] Observation end time (MET)	68934338.184000	68935098.115217
Observation end date	2000-03-08T20:24:34	2000-03-08T20:38:18

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

## 2.3 Aspect





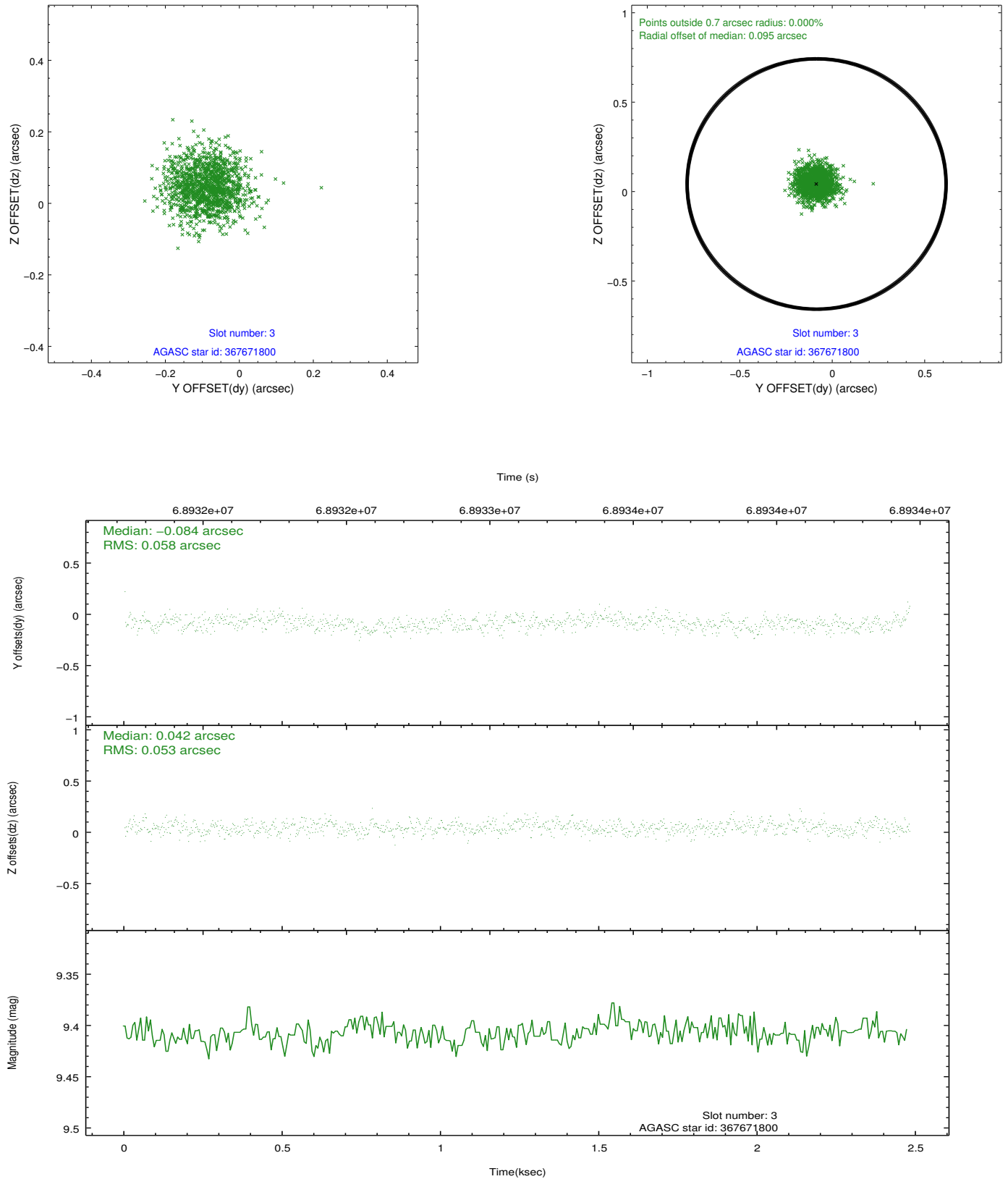
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	605	0.060	0.037	0.006	0.011	0.000000	0.000000	-756.88	-1291.19
1	FID	HRC-I-3	7.03	605	0.039	-0.063	0.008	0.012	0.000000	0.000000	-1186.59	1011.15
2	FID	HRC-I-4	6.98	605	0.014	-0.063	0.005	0.010	0.000000	0.000000	1283.95	1012.50
3	GUIDE	367671800	9.41	1209	-0.084	0.042	0.084	0.133	10.554735	41.964935	-1996.22	-509.24
4	GUIDE	367674552	8.85	1210	0.046	-0.137	0.073	0.119	11.016238	41.570845	-233.56	-1170.16
5	GUIDE	367146616	8.87	1209	0.035	-0.008	0.075	0.120	11.418645	41.190163	1378.71	-1852.59
6	GUIDE	367670520	9.27	1210	-0.069	0.059	0.090	0.142	11.265516	42.371946	-1024.70	1680.66
7	GUIDE	367664016	9.37	1209	0.080	0.039	0.088	0.143	12.105776	41.954692	1662.60	1454.26

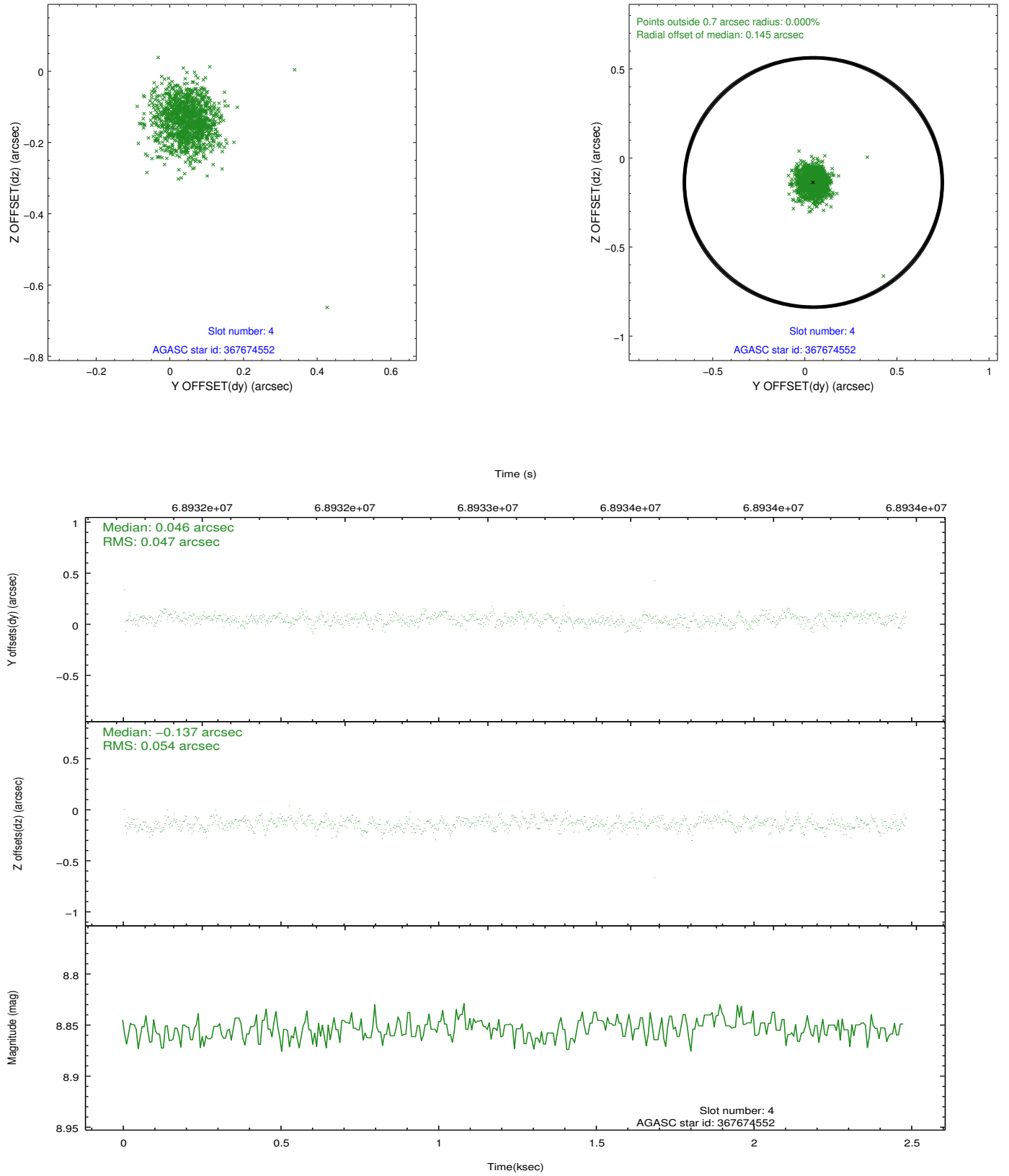


## 2.4 Star Slots

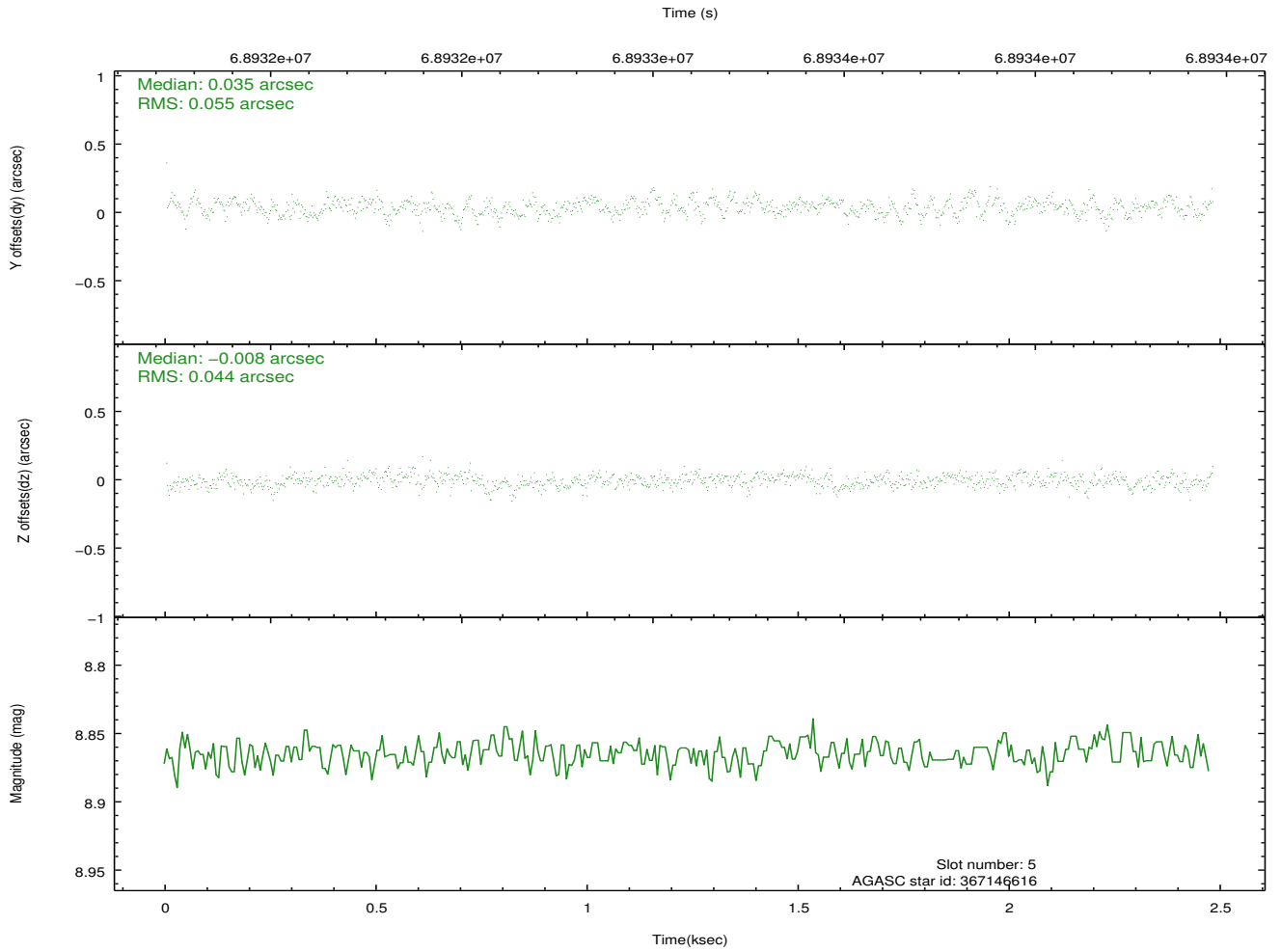
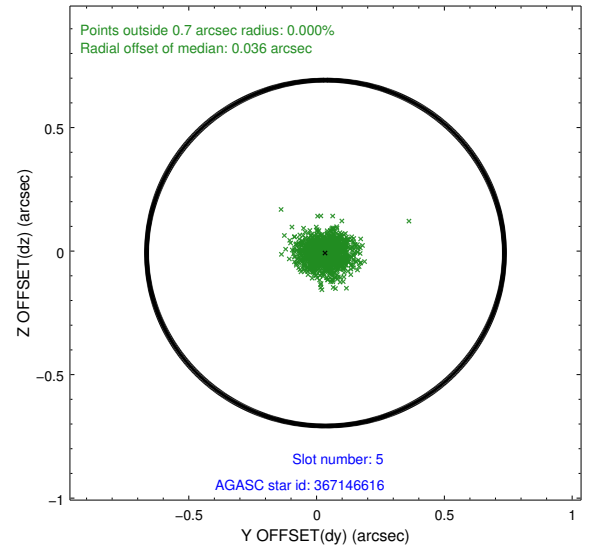
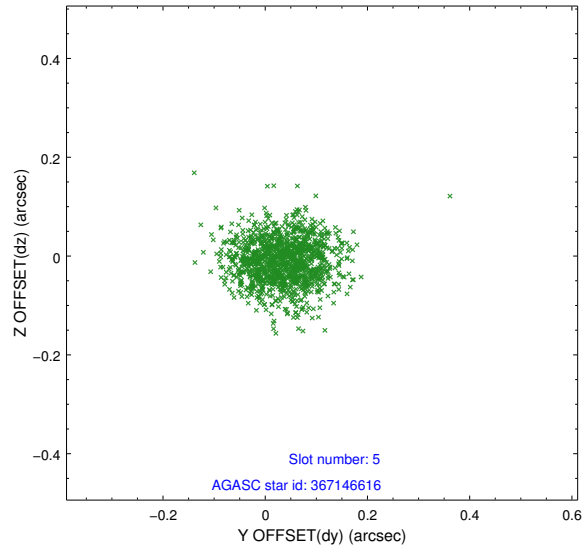
### 2.4.1 Slot 3



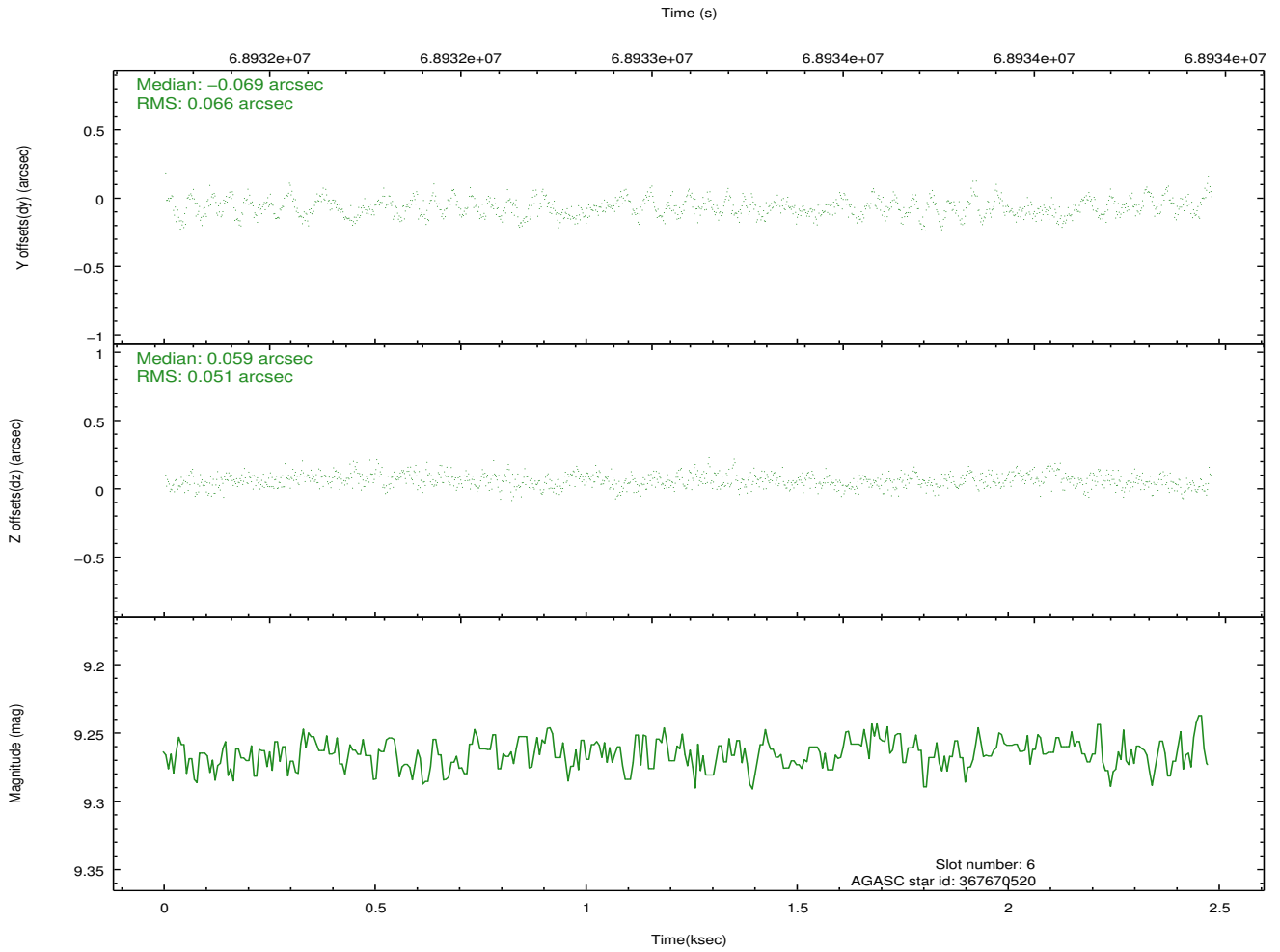
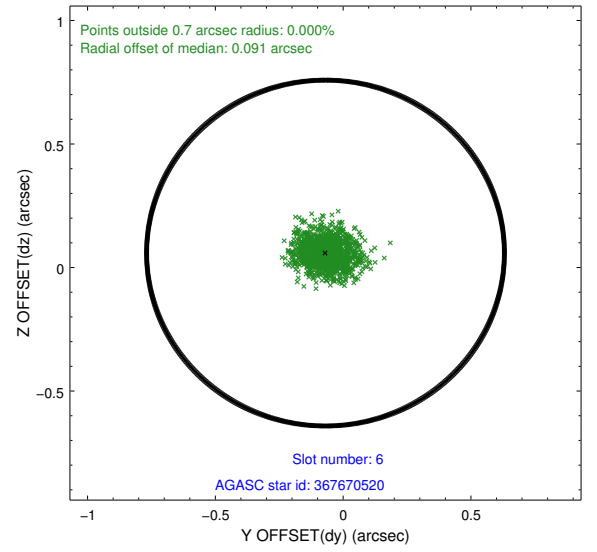
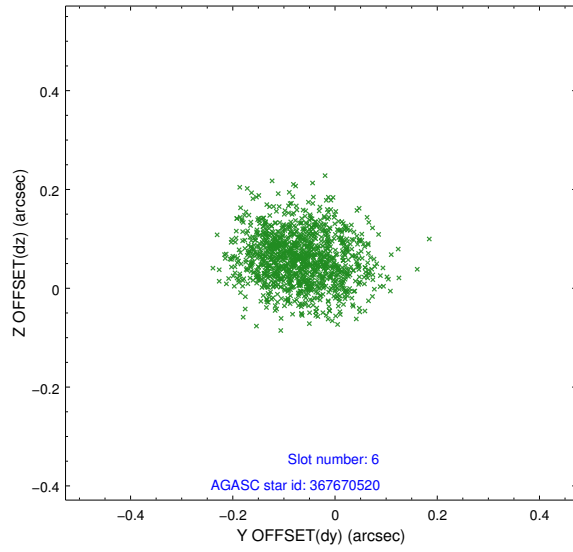
## 2.4.2 Slot 4



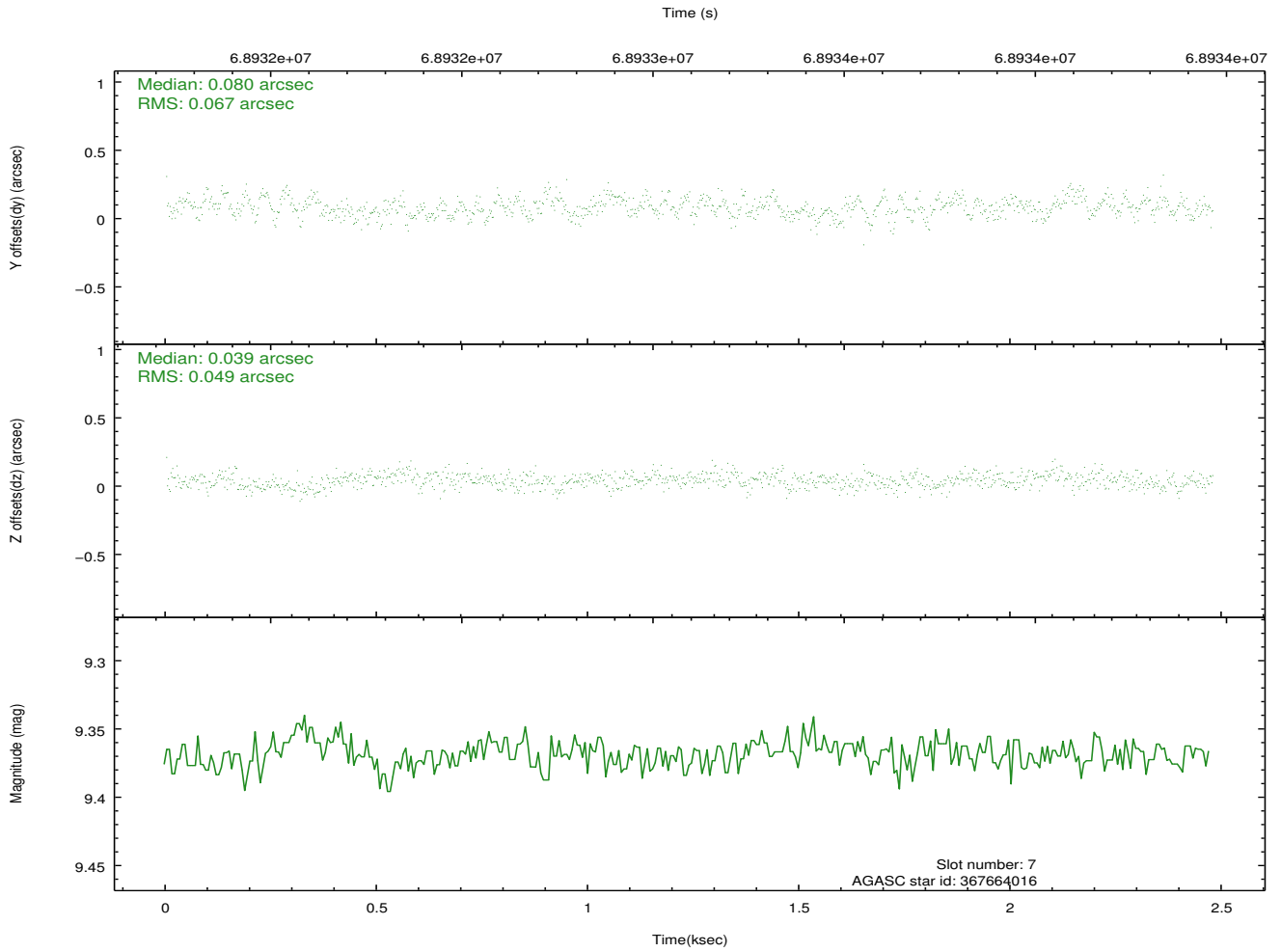
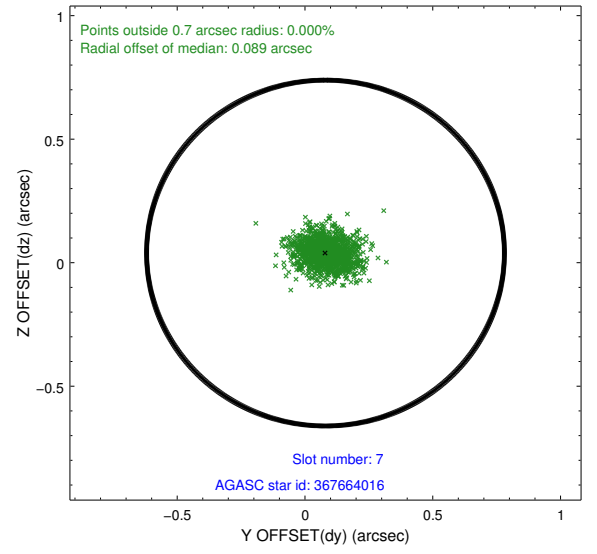
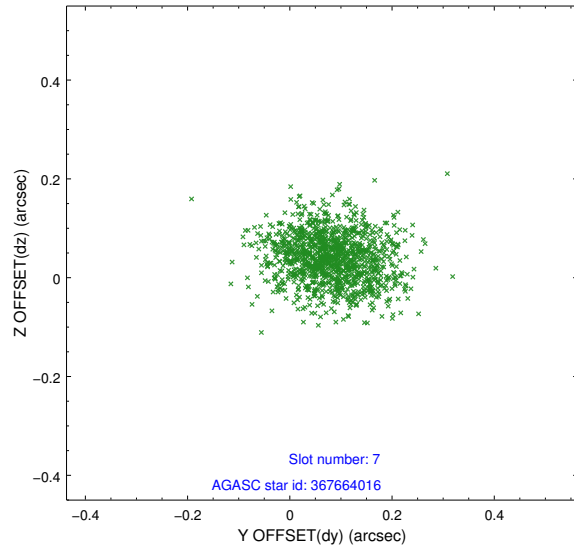
### 2.4.3 Slot 5



## 2.4.4 Slot 6

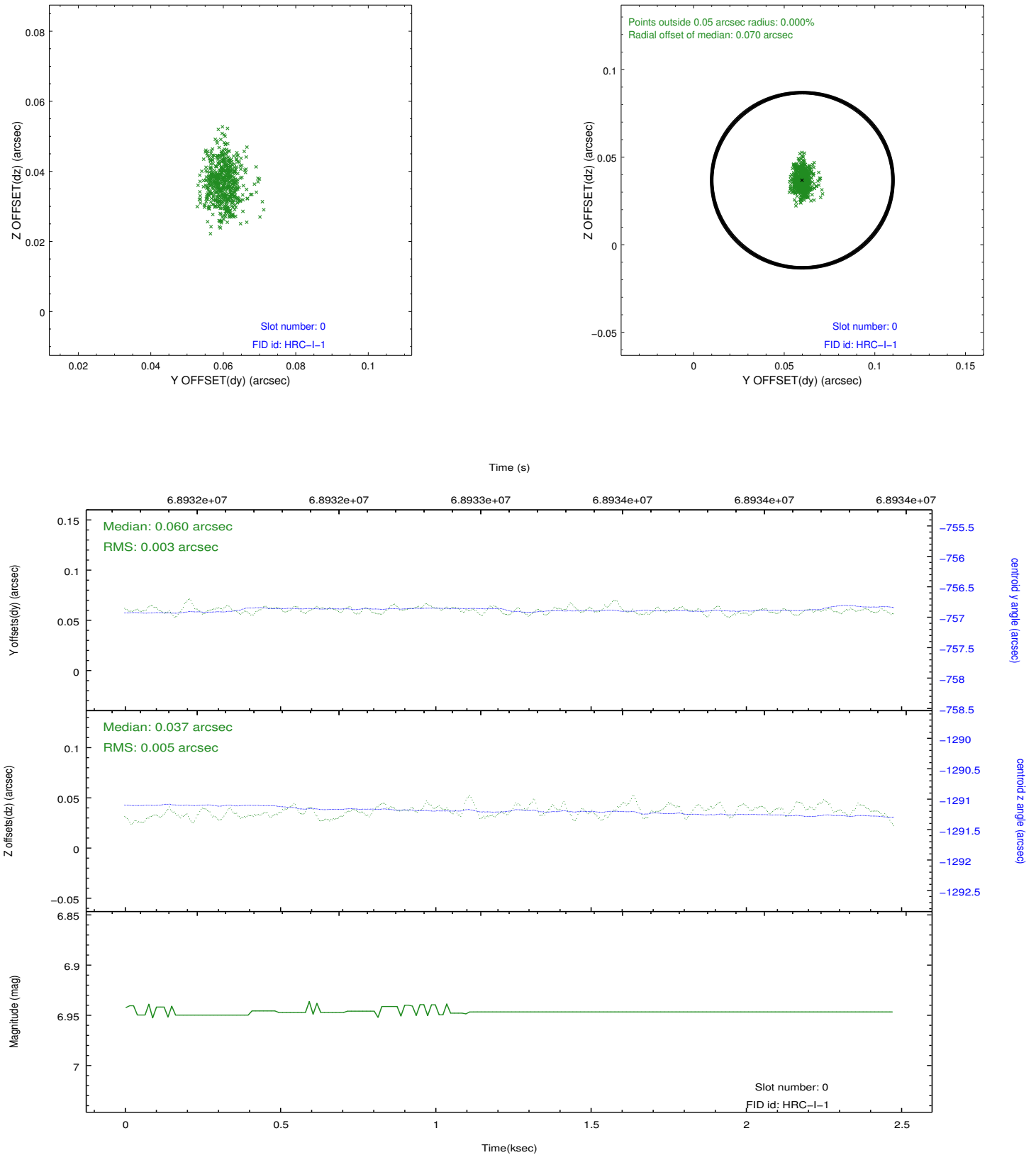


## 2.4.5 Slot 7

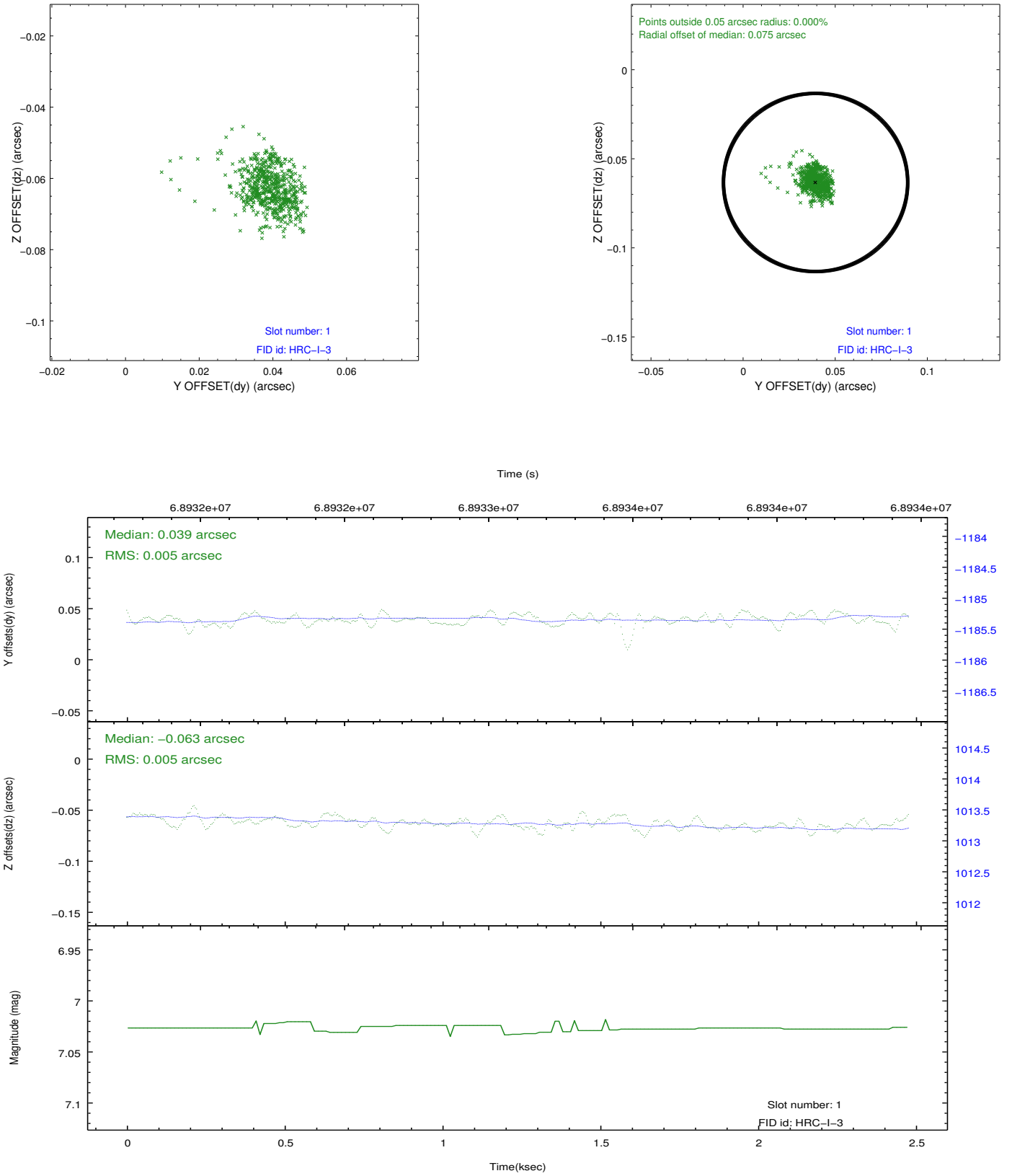


## 2.5 FID Slots

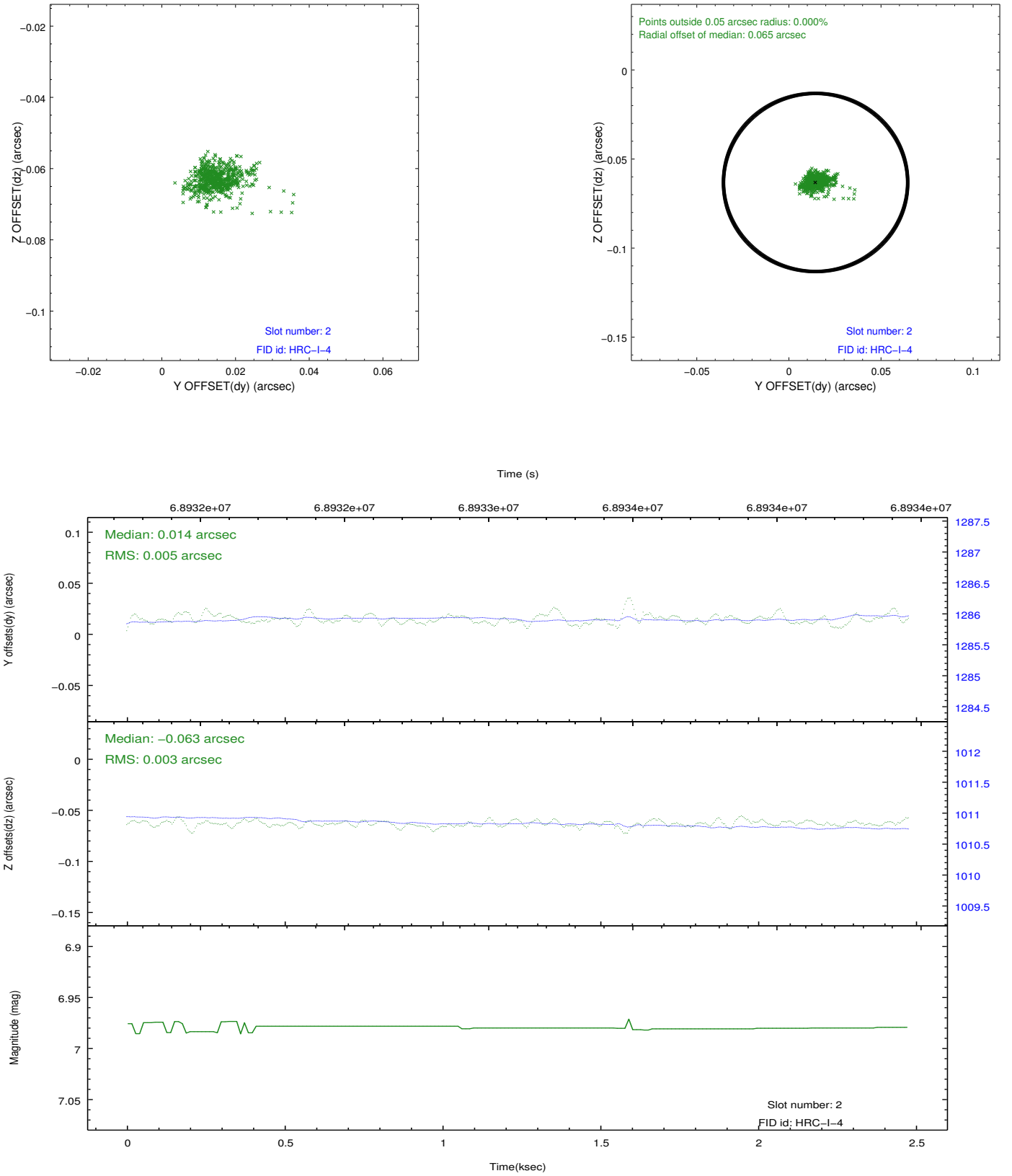
### 2.5.1 Slot 0



## 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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.475

### A.2 Comments