

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 290 - L2 Version 5  
Chandra X-Ray Center

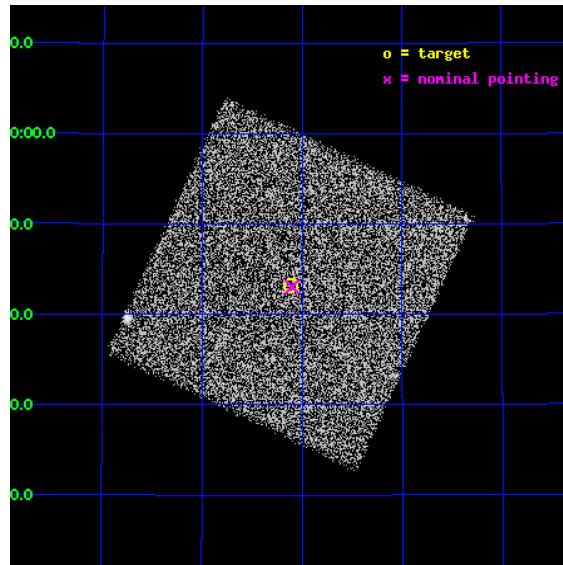
L2 Processing Date : Sep 3 2012

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# 1 Front

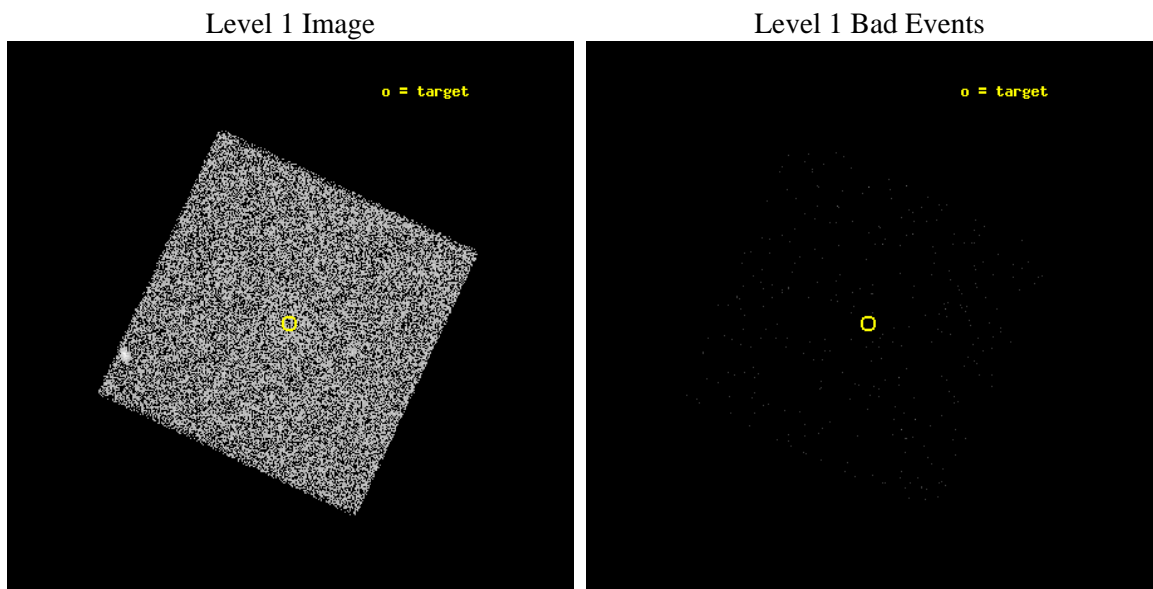
seq_num	600050	Sequence number
obs_id	290	Observation id
title	MONITORING M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - North 1	Source name
ra_targ	11.029167	Observer's specified target RA [deg]
dec_targ	41.721111	Observer's specified target Dec [deg]
ra_nom	11.02556059039	Nominal RA [deg]
dec_nom	41.717887863418	Nominal Dec [deg]
roll_nom	250.14404902918	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1184.1312952191	[s]
livetime	1178.4126762394	Ontime multiplied by DTCOR
l2events	31503	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	1184.1312952191	[s]
caldbver	4.5.1.1	&#160	l1events	58729	Number of level 1 events
date	2012-09-03T16:02:17	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

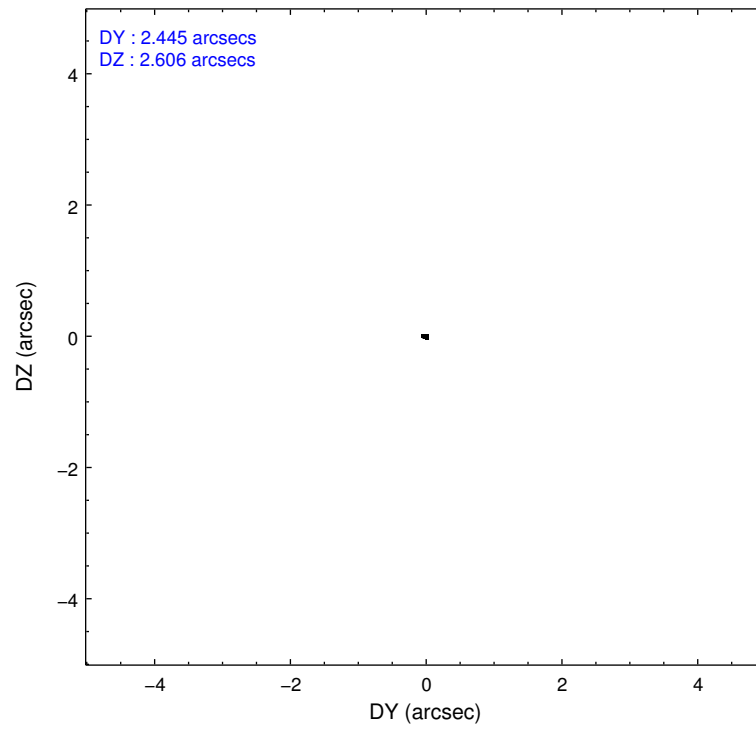
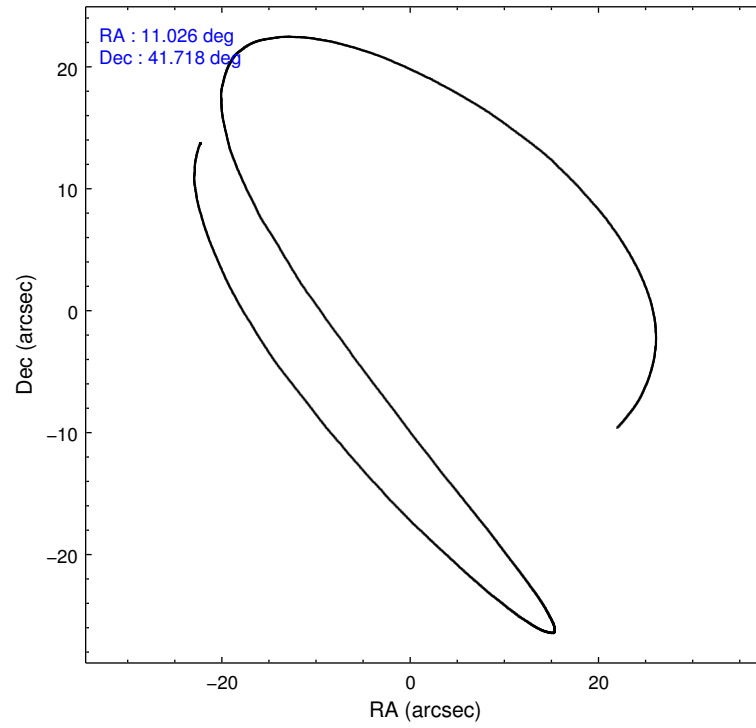
	<b>segment 0</b>
level 1 events	58729
rejected events	12934
rejected %	22%

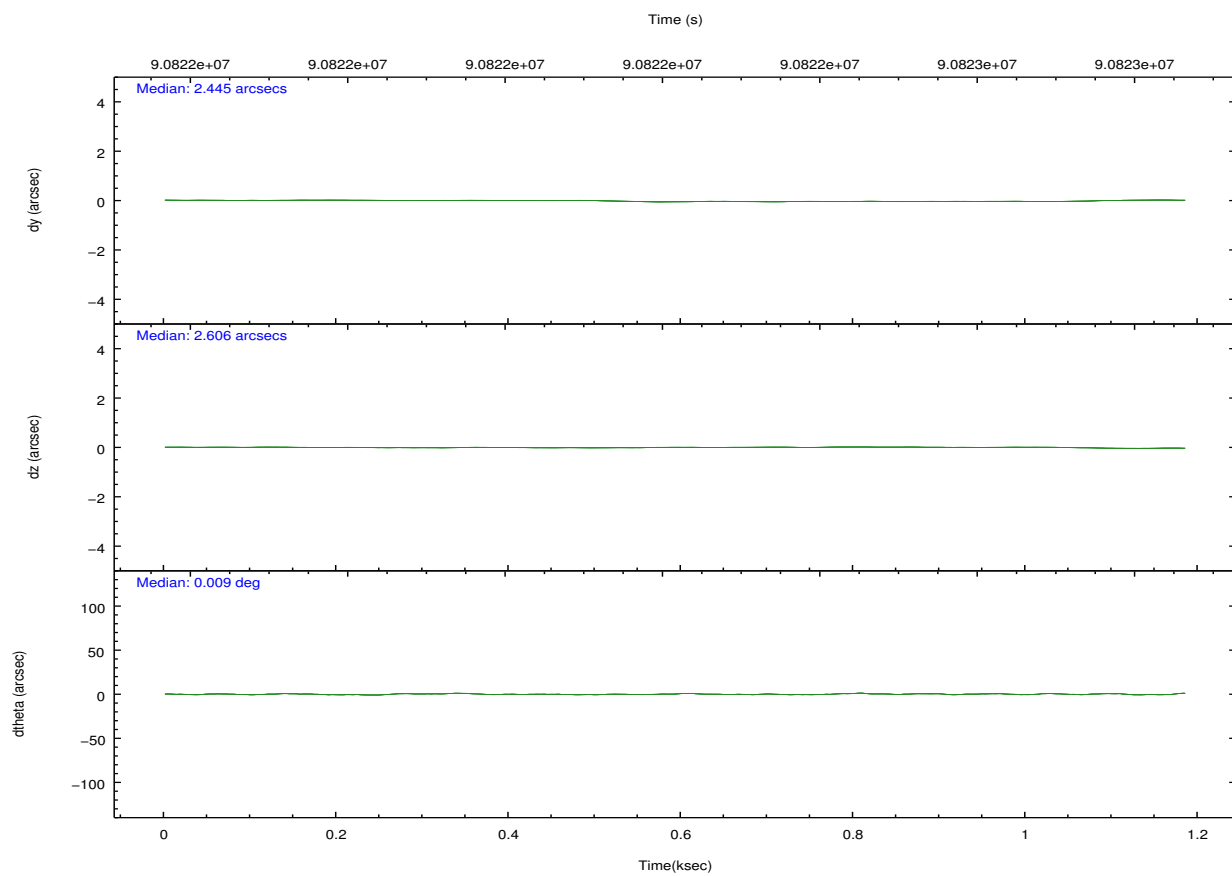
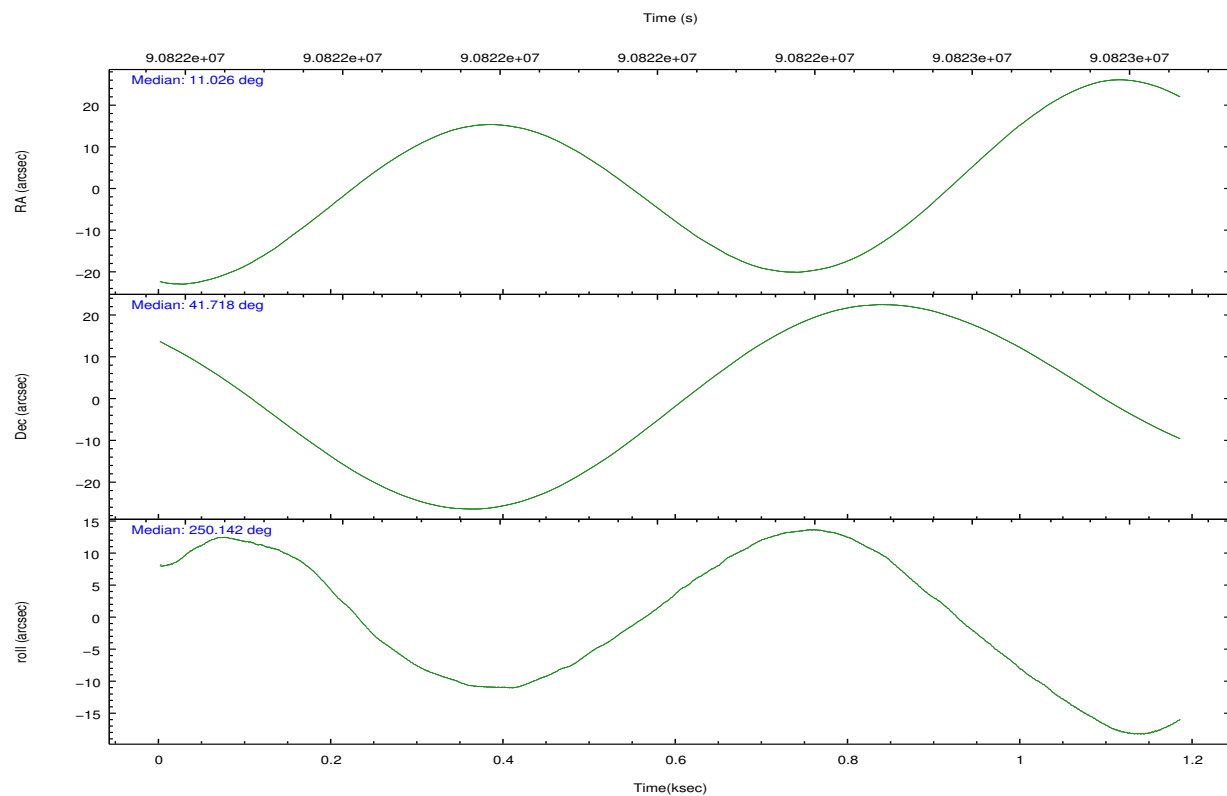
## 2.2 Compared Parameters

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	11.018175	11.02556059039021
[deg] Pointing Dec	41.744602	41.71788786341819
[deg] Pointing Roll	250.244456	250.144049029184
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9804656746847
[mm] SIM translation stage offset	0	0.005023216916882234
[s] Observation start time (MET)	90821810.184000	90821434.49072801
Observation start date	2000-11-17T04:15:46	2000-11-17T04:10:34
[s] Observation end time (MET)	90822810.184000	90822944.315786
Observation end date	2000-11-17T04:32:26	2000-11-17T04:35:44

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

## 2.3 Aspect





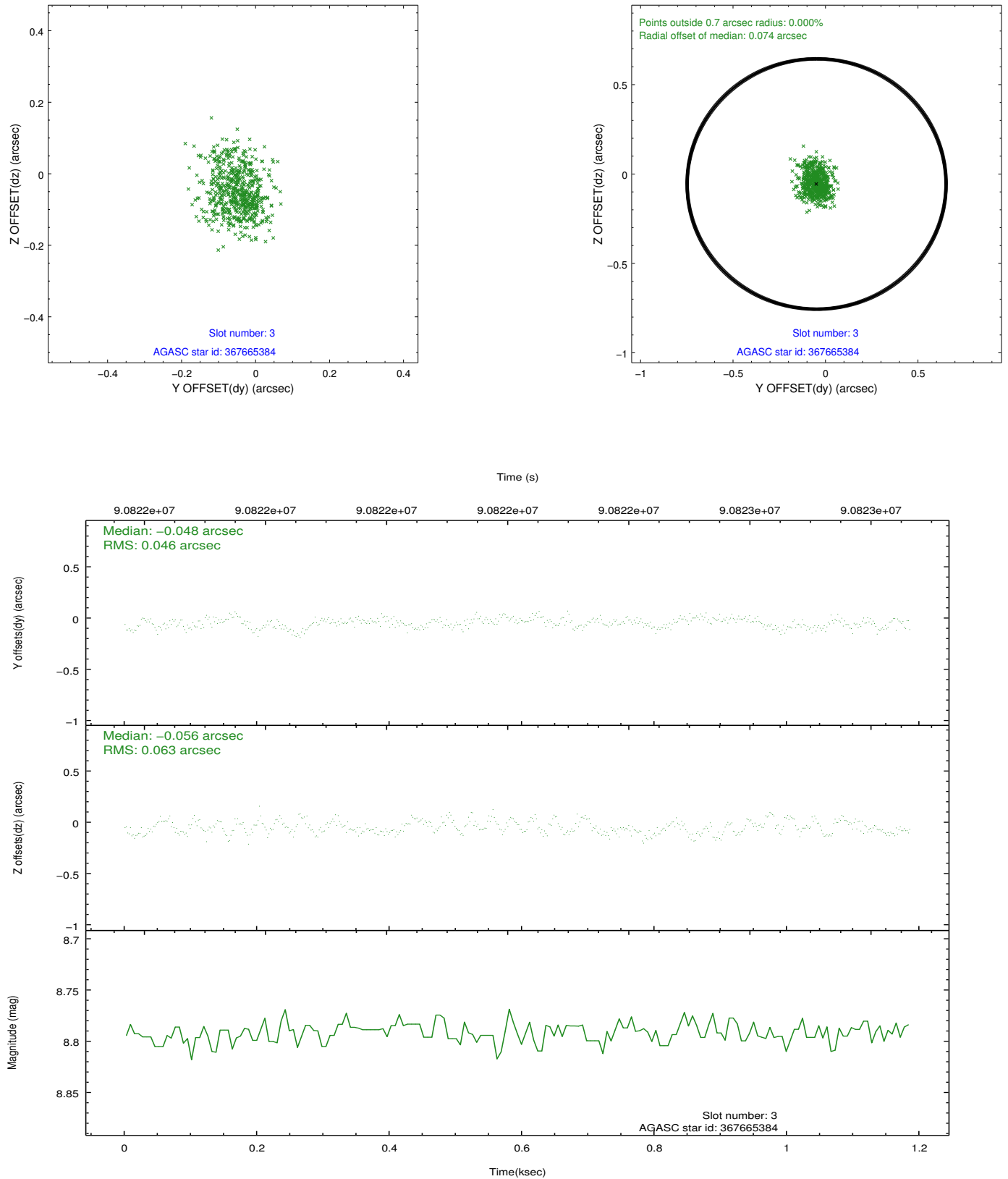
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	289	0.042	0.002	0.006	0.011	0.000000	0.000000	-757.88	-1290.25
1	FID	HRC-I-2	7.00	289	0.064	-0.066	0.006	0.009	0.000000	0.000000	852.16	-1296.38
2	FID	HRC-I-3	7.05	289	0.014	-0.025	0.005	0.010	0.000000	0.000000	-1183.40	1009.80
3	GUIDE	367665384	8.79	579	-0.048	-0.056	0.080	0.133	10.414363	42.275730	-1260.19	-2162.98
4	GUIDE	367674552	8.85	579	0.098	-0.131	0.068	0.109	11.016238	41.570845	589.43	201.75
5	GUIDE	367146616	8.86	579	-0.058	0.079	0.079	0.146	11.418645	41.190163	1511.40	1694.44
6	GUIDE	367657896	9.02	579	0.015	0.042	0.071	0.123	11.197765	41.313576	1299.39	983.43
7	GUIDE	367670520	9.26	575	0.000	0.050	0.081	0.132	11.265516	42.371946	-2345.54	-143.77

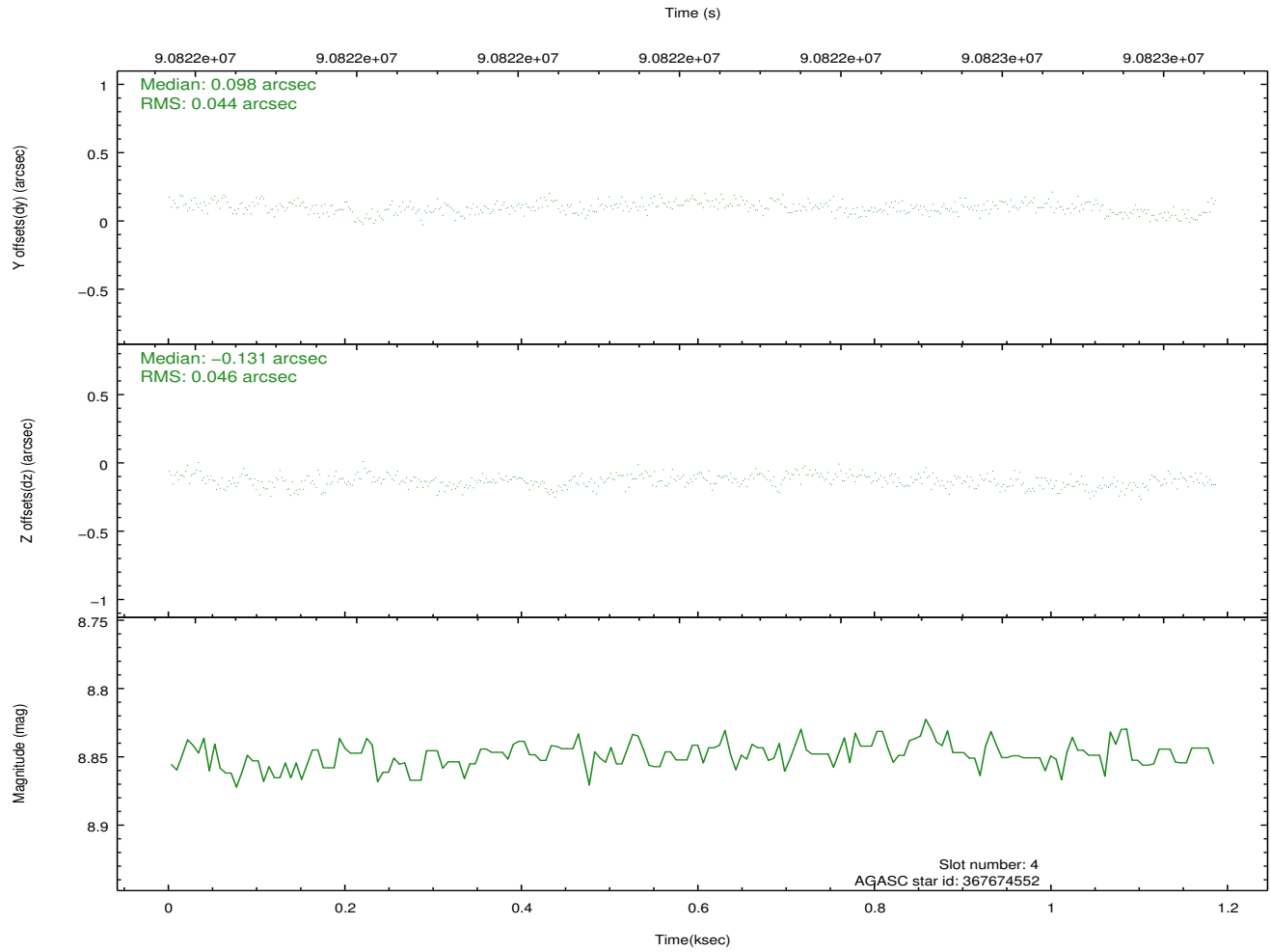
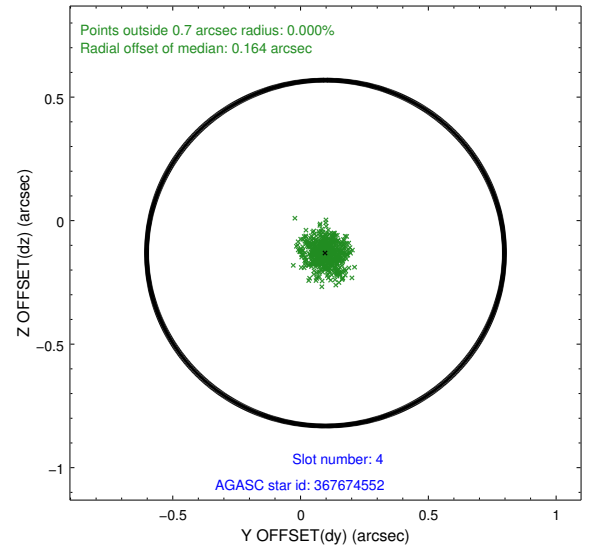
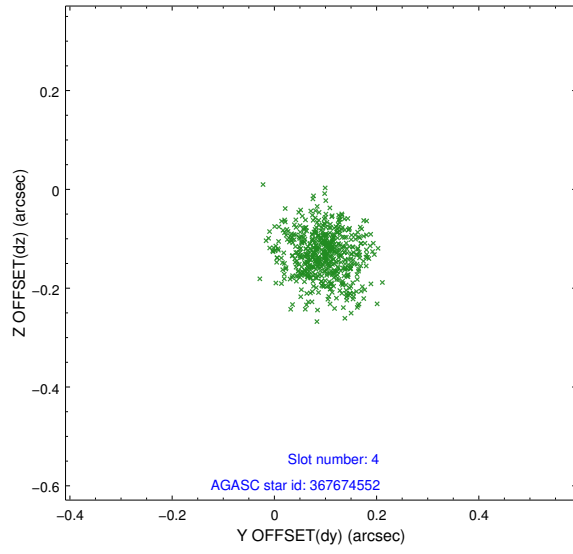


## 2.4 Star Slots

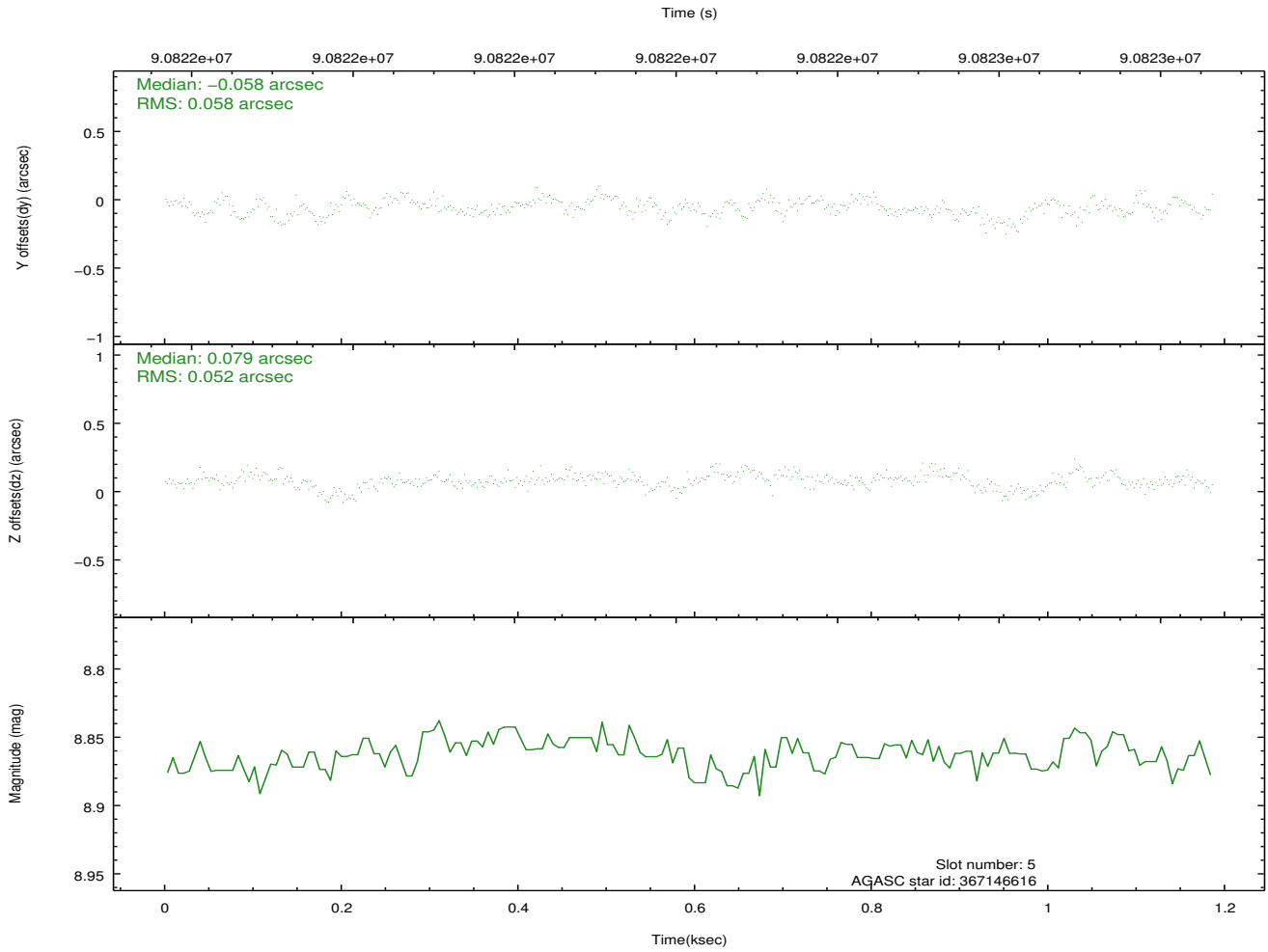
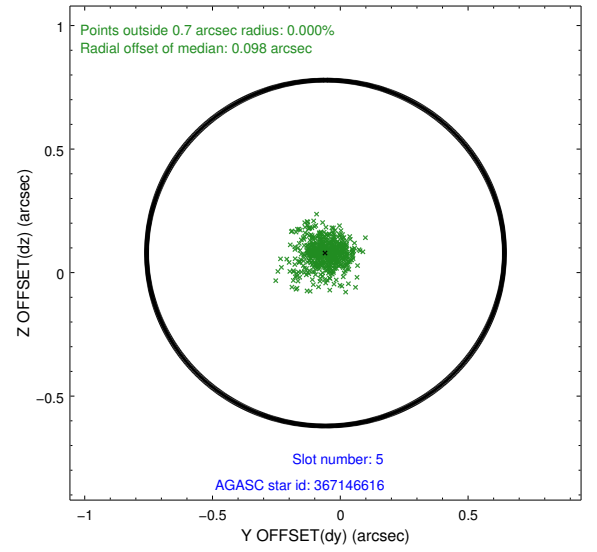
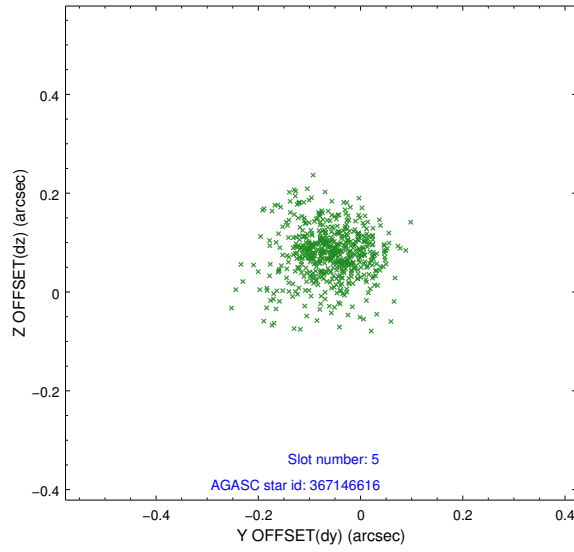
### 2.4.1 Slot 3



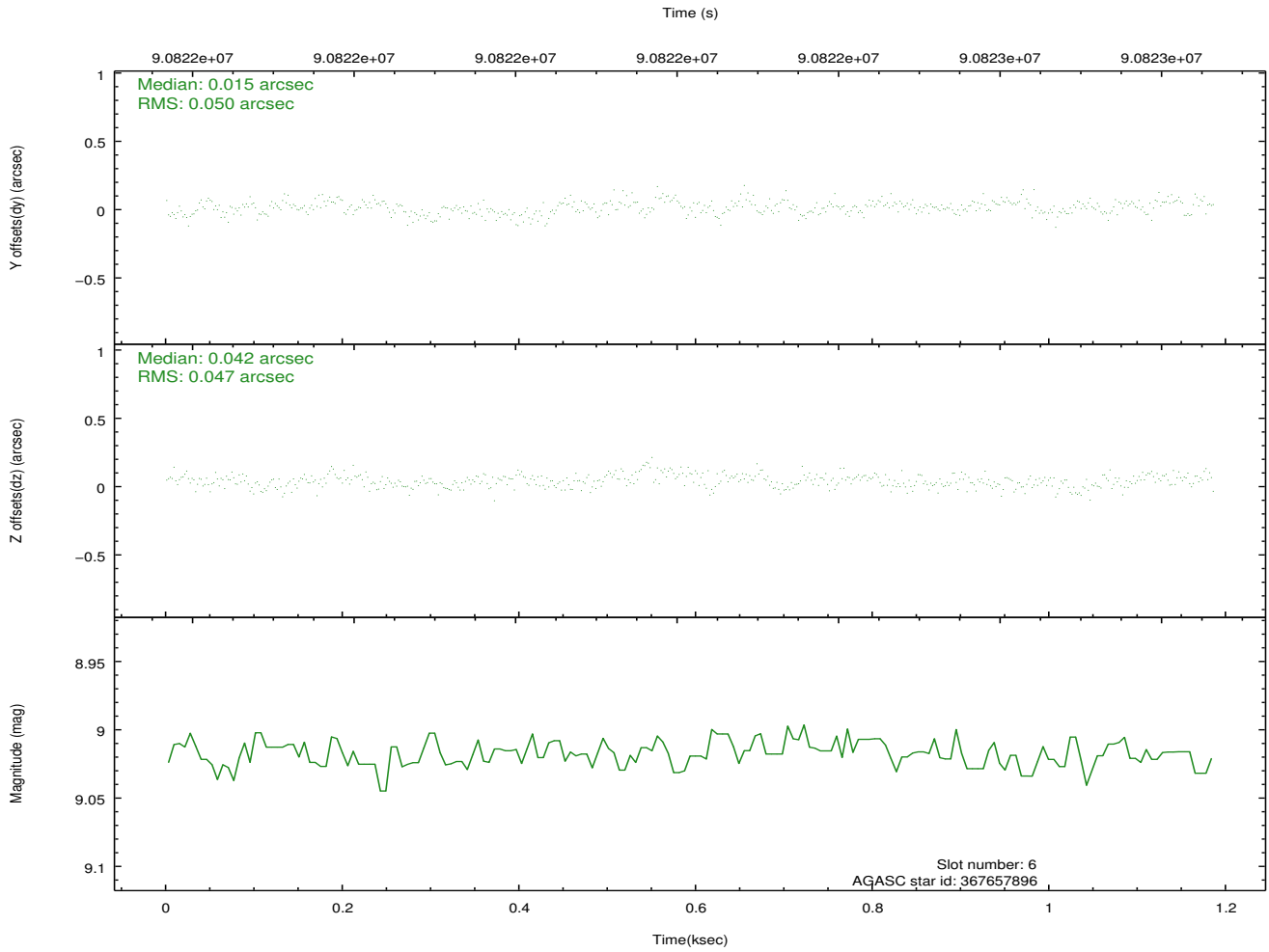
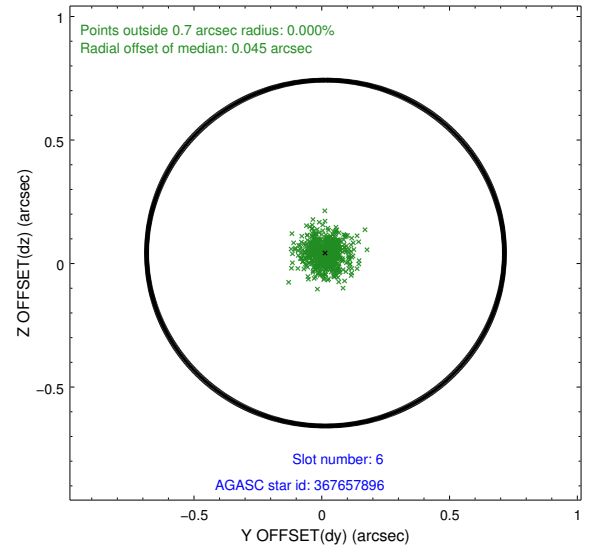
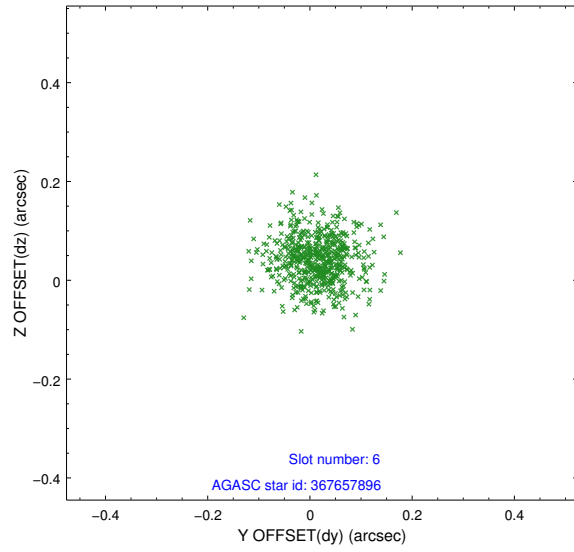
## 2.4.2 Slot 4



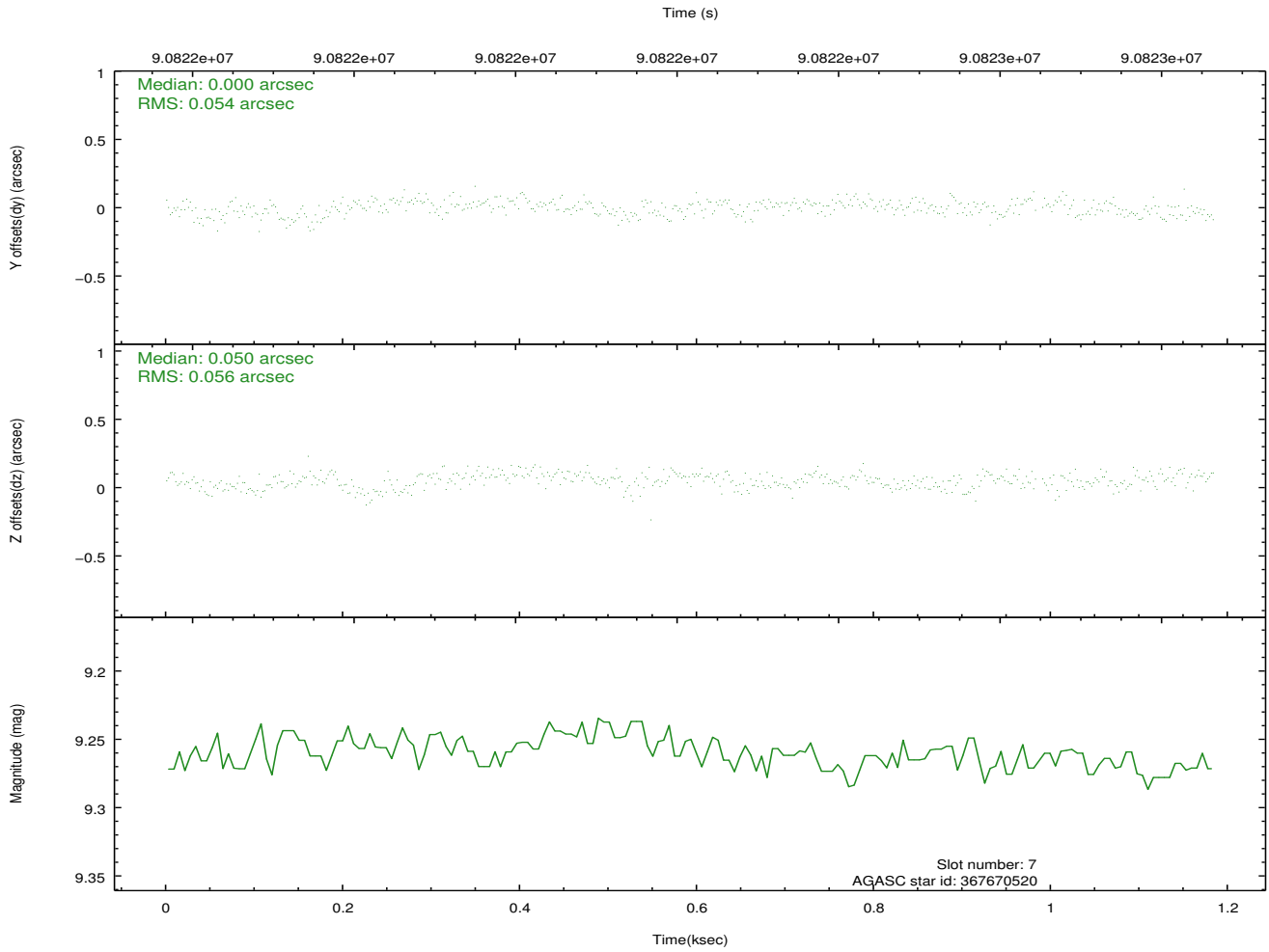
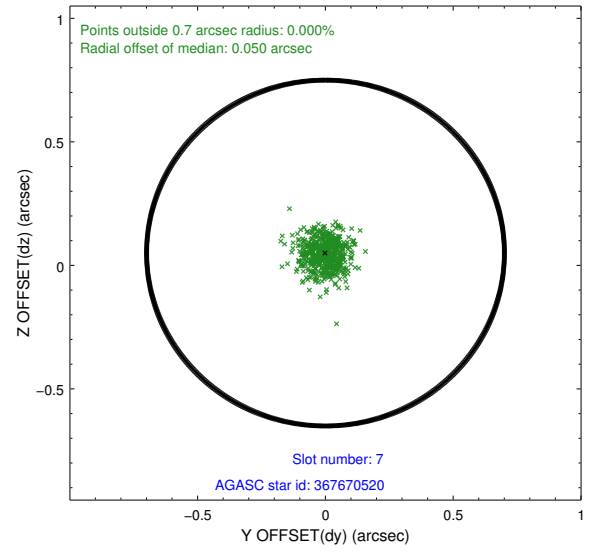
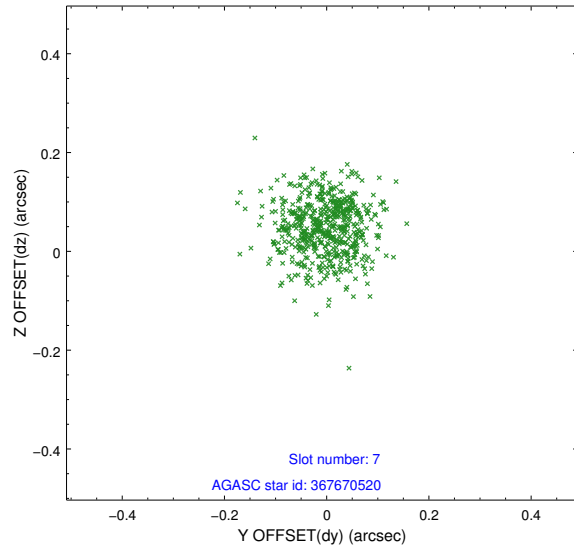
### 2.4.3 Slot 5



## 2.4.4 Slot 6

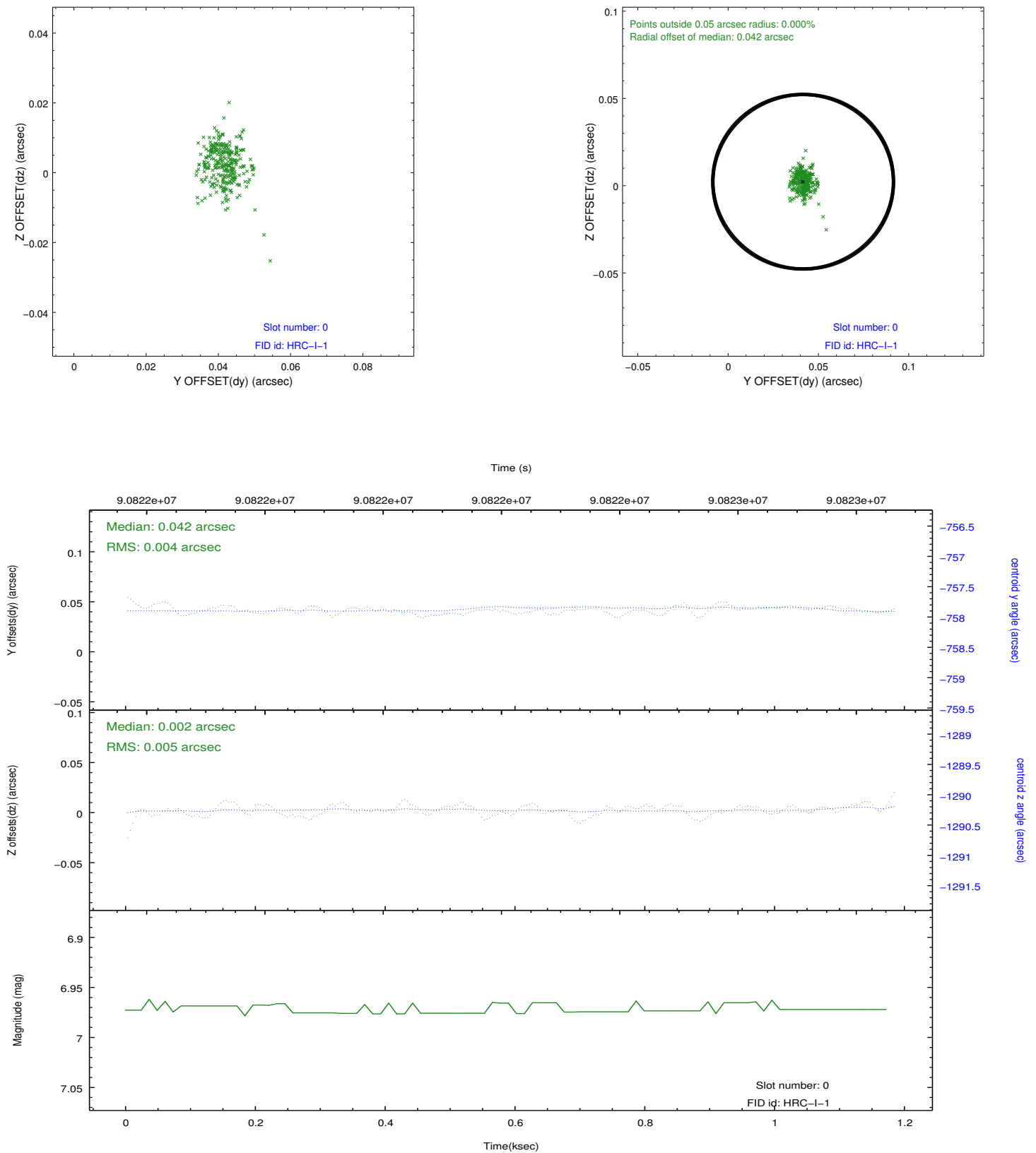


## 2.4.5 Slot 7

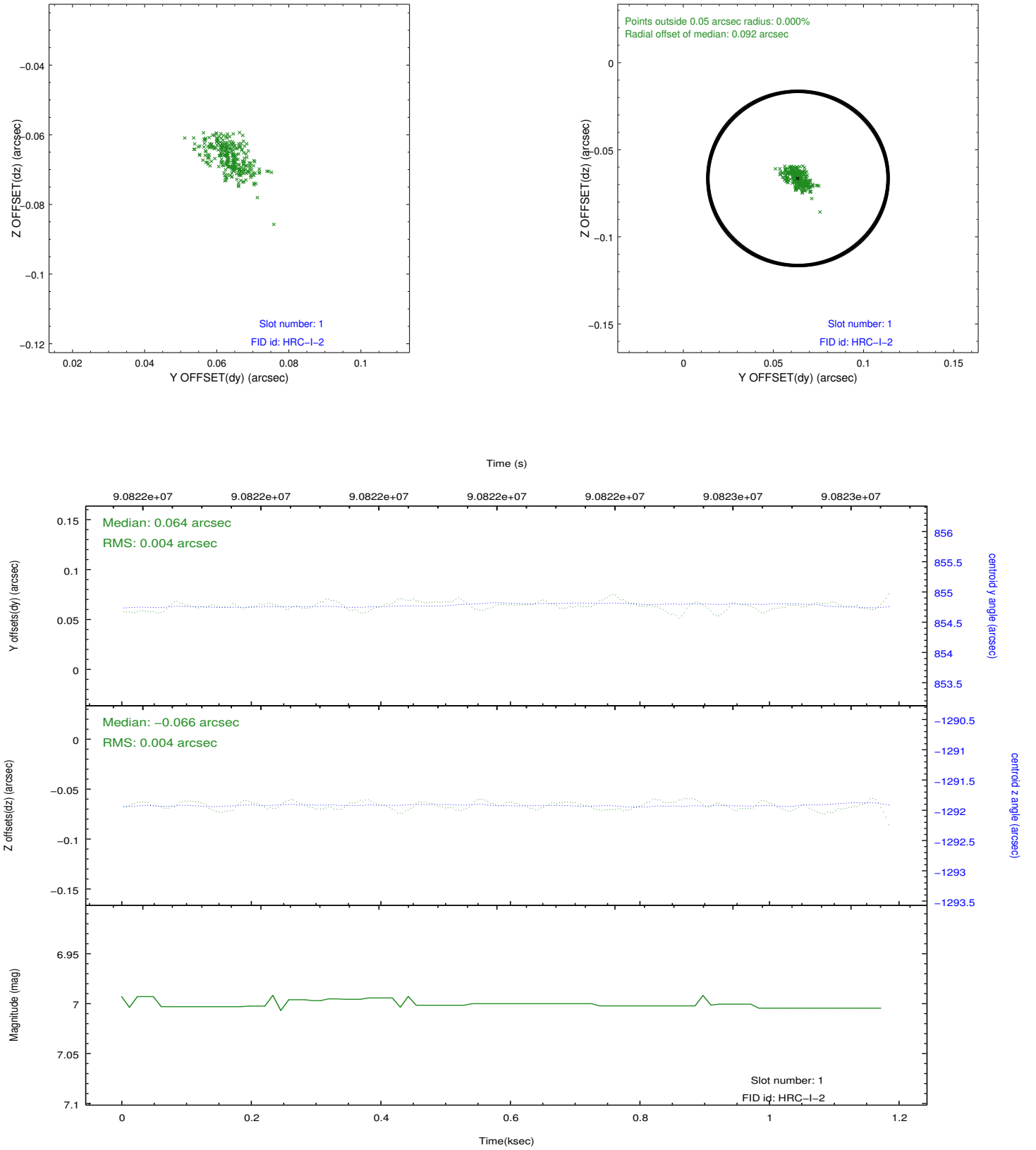


## 2.5 FID Slots

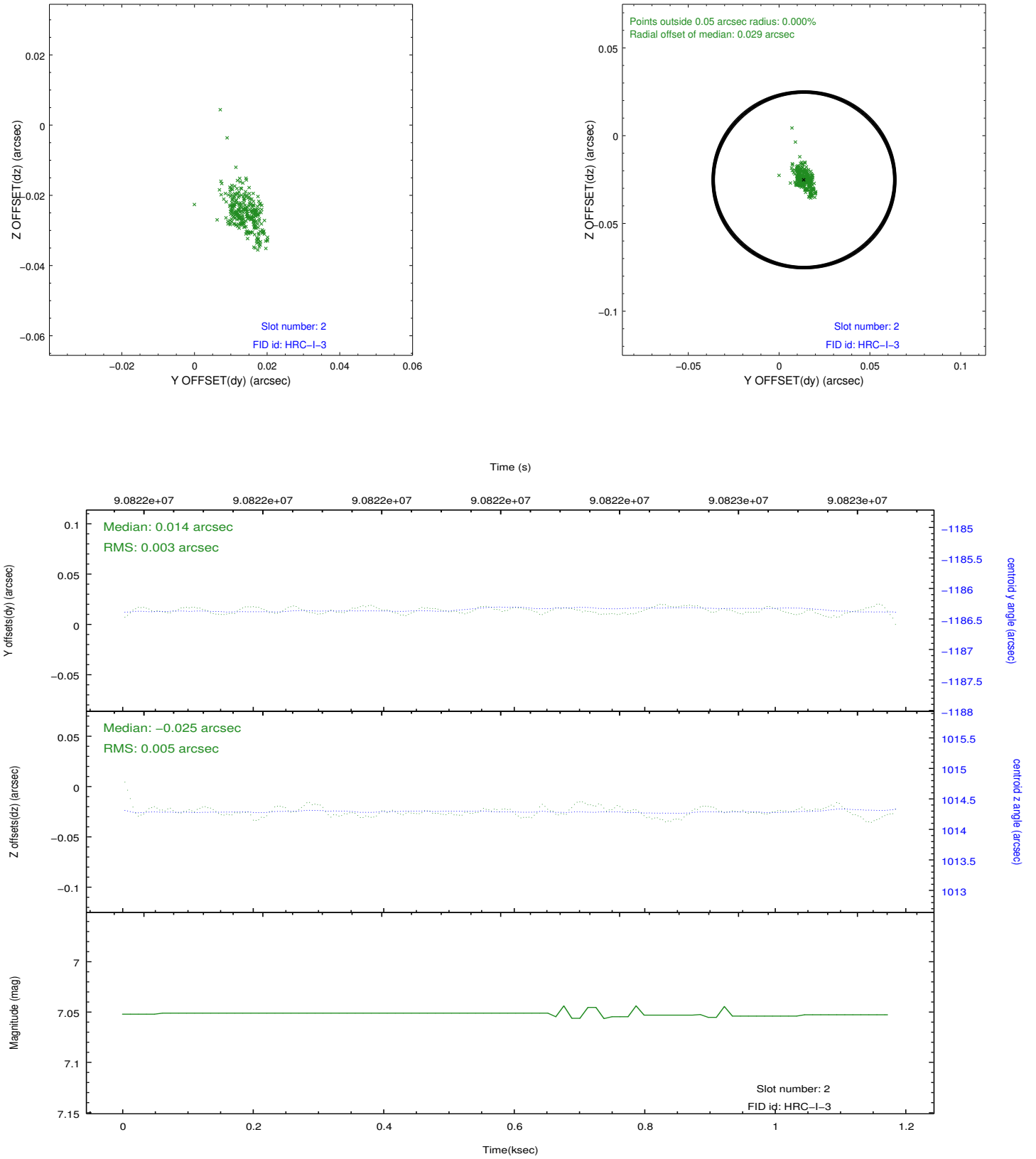
### 2.5.1 Slot 0



## 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)	2012.09.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.182

### A.2 Comments