

# V&V Reference Report

## L2 ASCDS Version : 8.1.2

Observation 281 - L2 Version 5

Chandra X-Ray Center

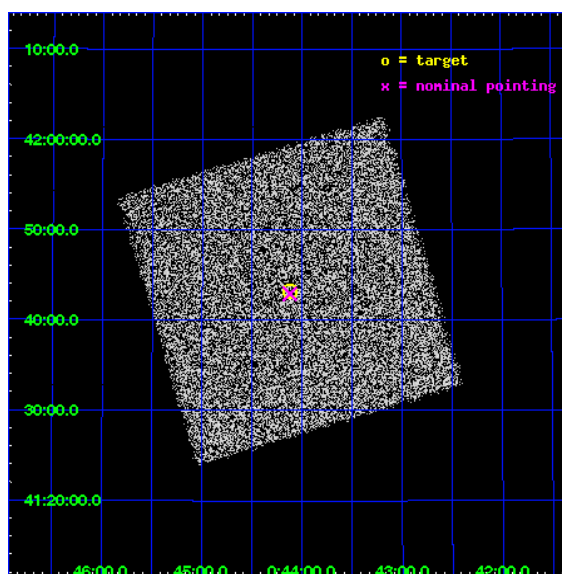
L2 Processing Date : Dec 4 2009

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# 1 Front

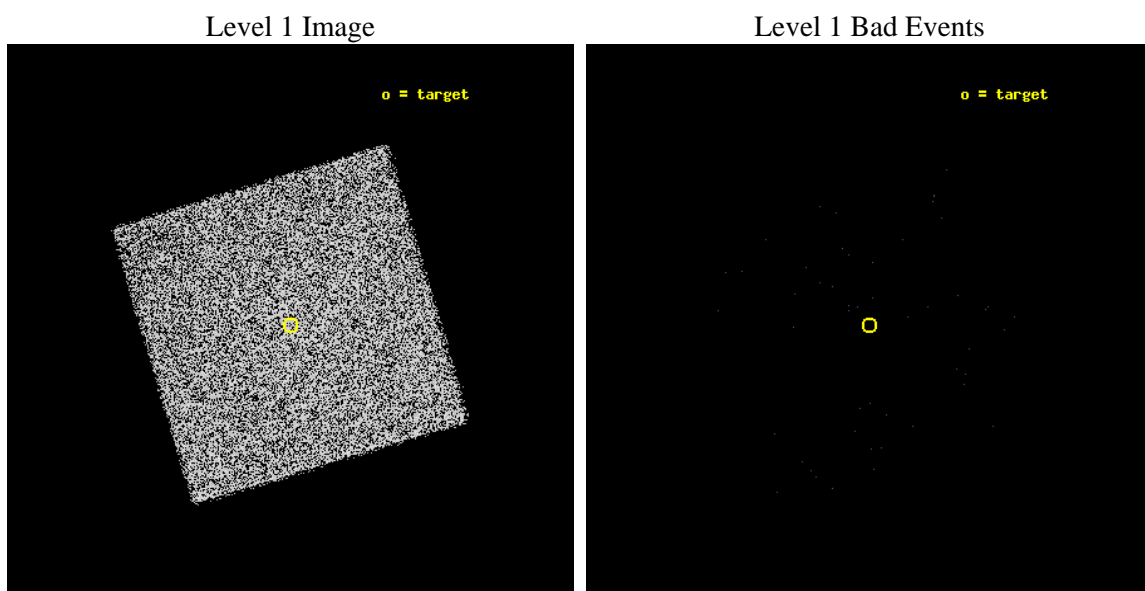
seq_num	600041	Sequence number
obs_id	281	Observation id
title	MONITORING M31	Proposal title
observer	Dr Steve Murray	Principal investigator
object	M31 - North 1	Source name
ra_targ	11.029167	Observer's specified target RA
dec_targ	41.721111	Observer's specified target Dec
ra_nom	11.030441132068	Nominal RA
dec_nom	41.715509762256	Nominal Dec
roll_nom	298.33327491019	Nominal Roll
revision	5	Processing version of data
ontime	1212.8312940747	[s]
livetime	1205.6340736205	Ontime multiplied by DTCOR
l2events	33998	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	Scheduled observation exposure time
ascdsver	8.1.2	Processing system revision	ontime	1212.8312940747	[s]
caldbver	4.1.4	&#160	l1events	54647	Number of level 1 events
date	2009-12-05T02:58:48	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

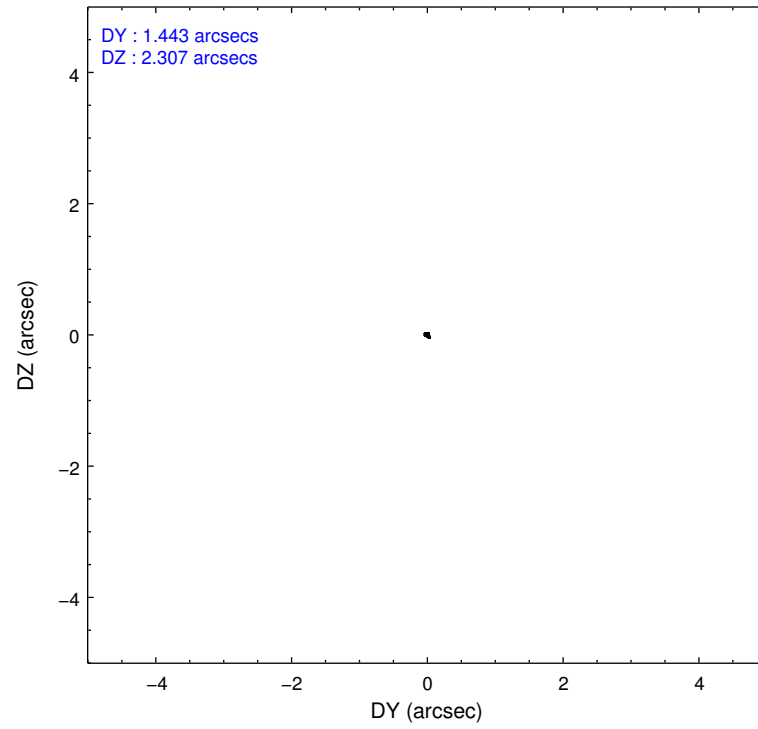
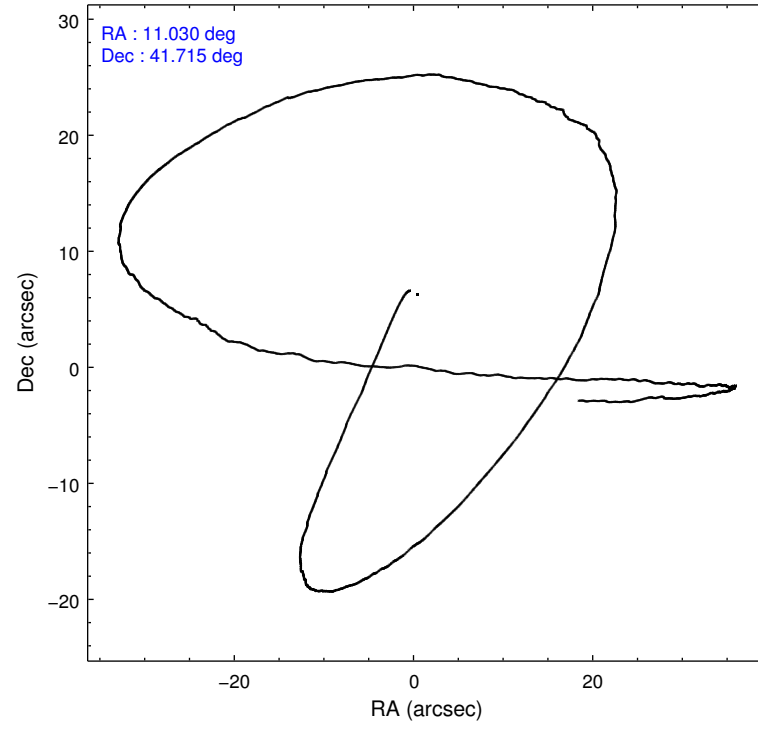
#### Level 1 Events

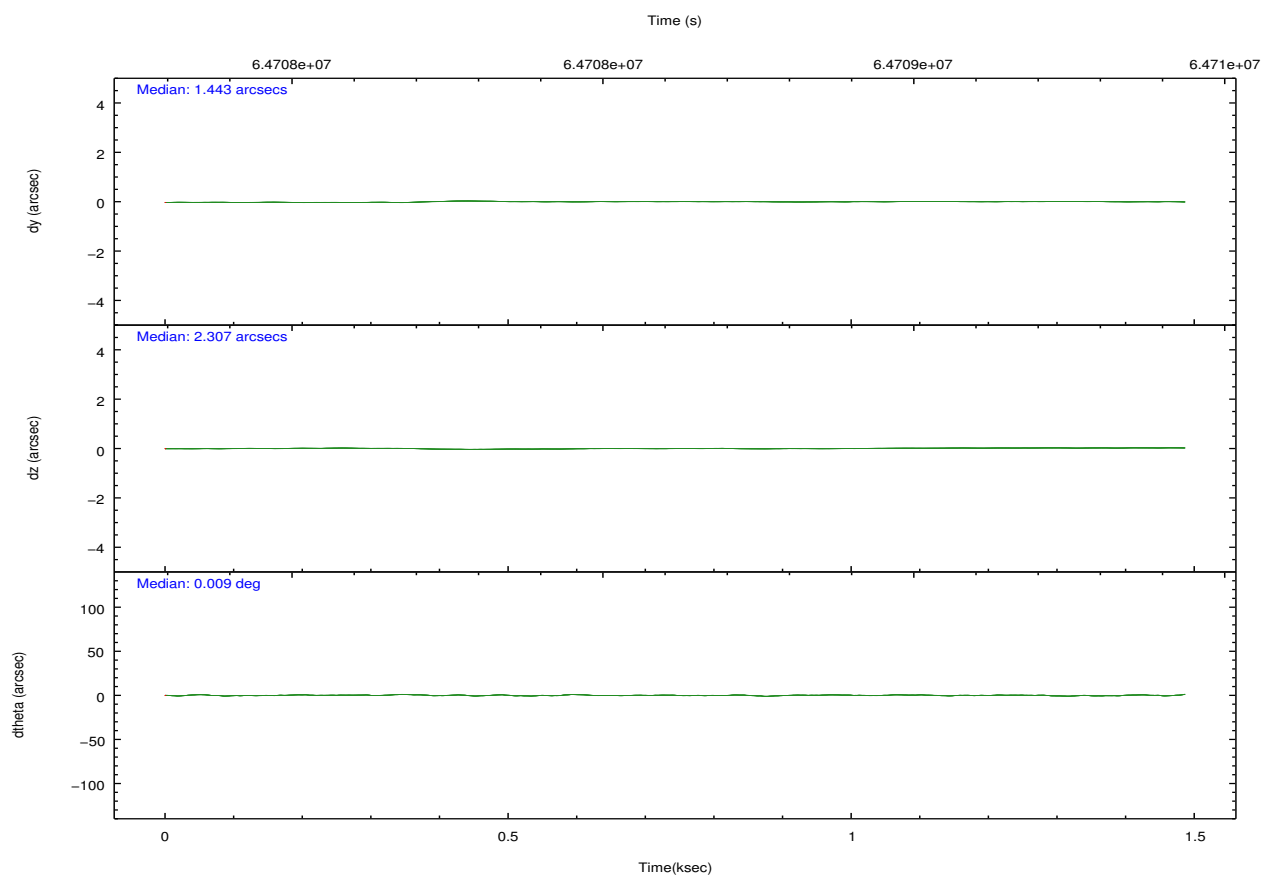
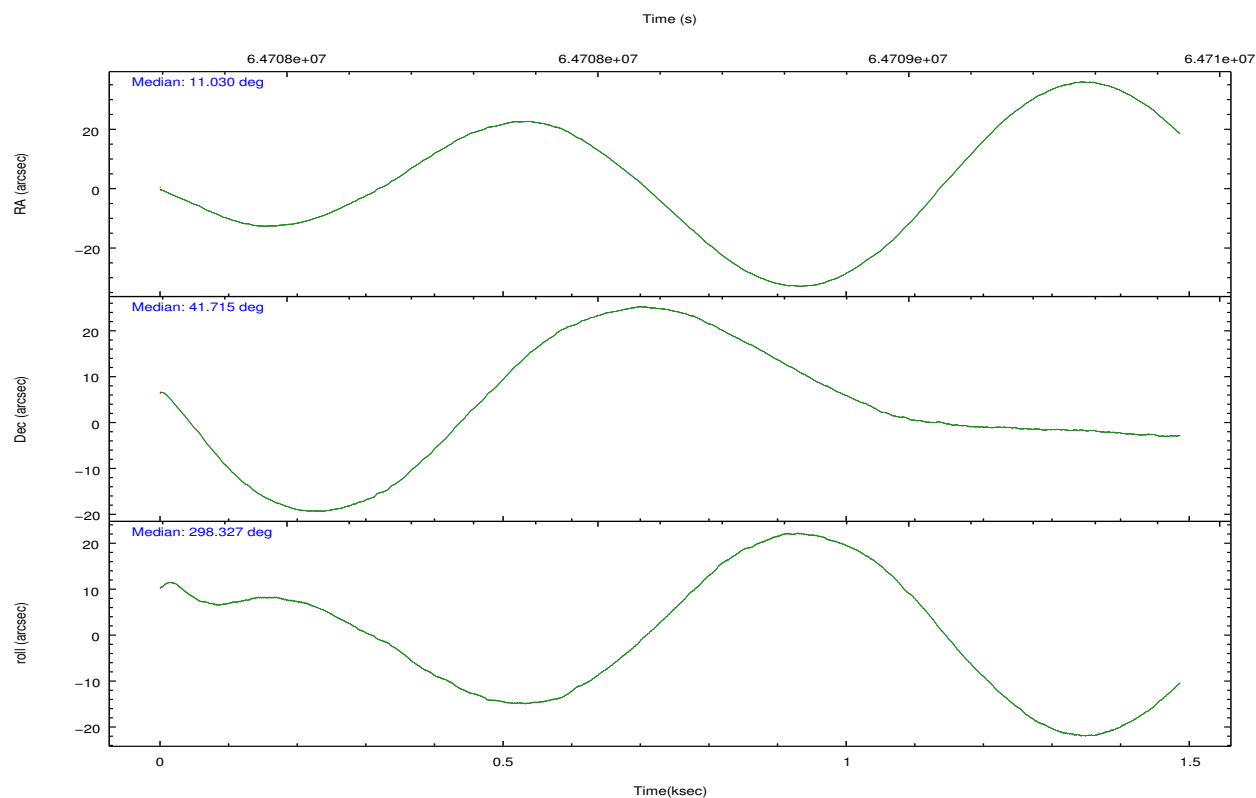
	<b>segment 0</b>
level 1 events	54647
rejected events	2261
rejected %	4%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
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			
Pointing RA	10.998370	11.03044113206797			
Pointing Dec	41.730653	41.71550976225564			
Pointing Roll	298.450099	298.3332749101943			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	64708359.184000	64707692.969767			
Observation start date	2000-01-19T22:31:35	2000-01-19T22:21:32			
Observation end time	64709359.184000	64709493.382332			
Observation end date	2000-01-19T22:48:15	2000-01-19T22:51:33			

## 2.3 Aspect





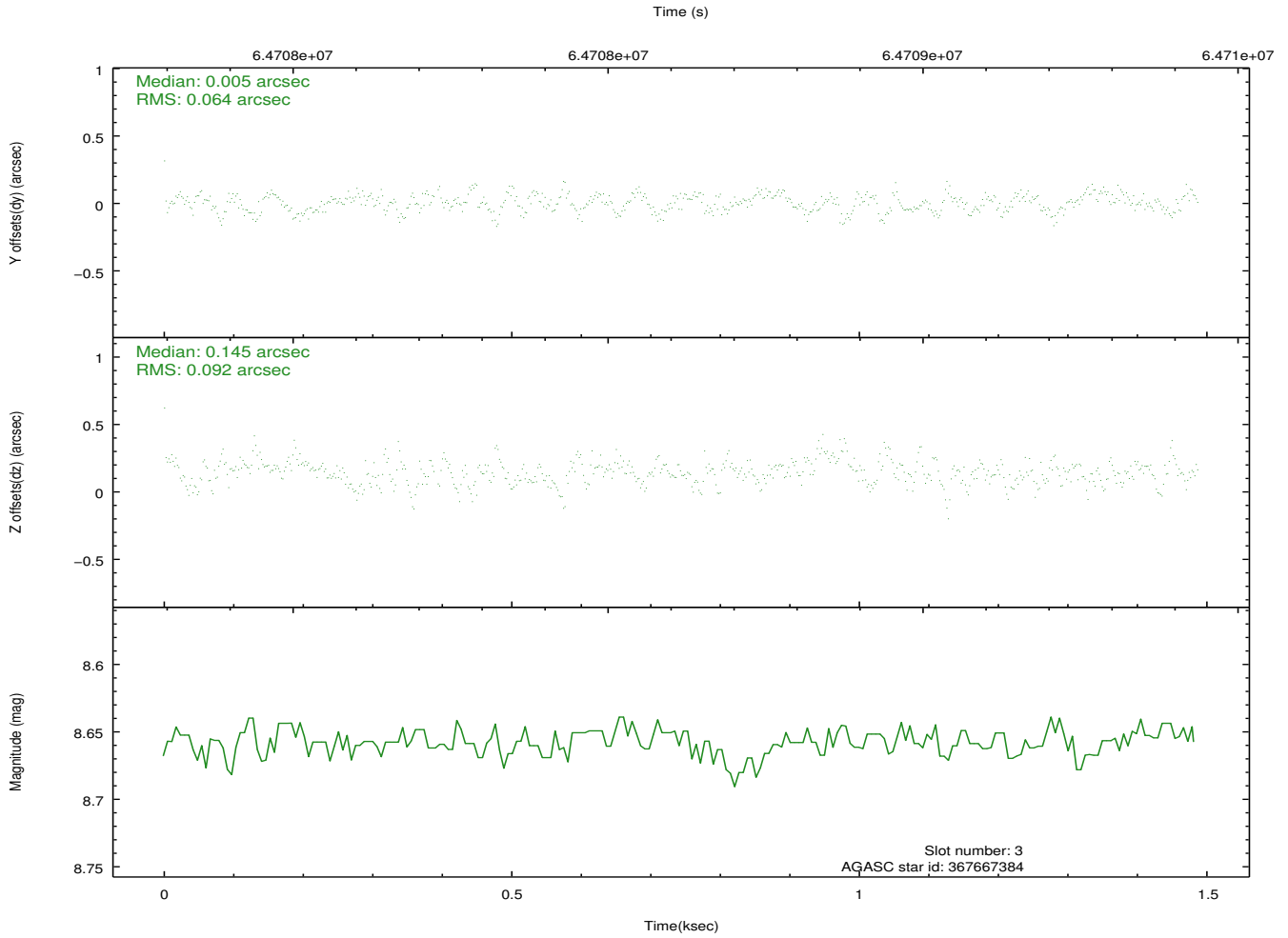
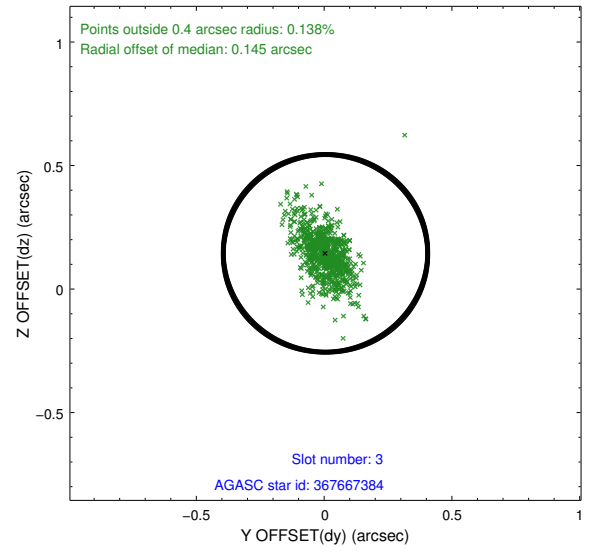
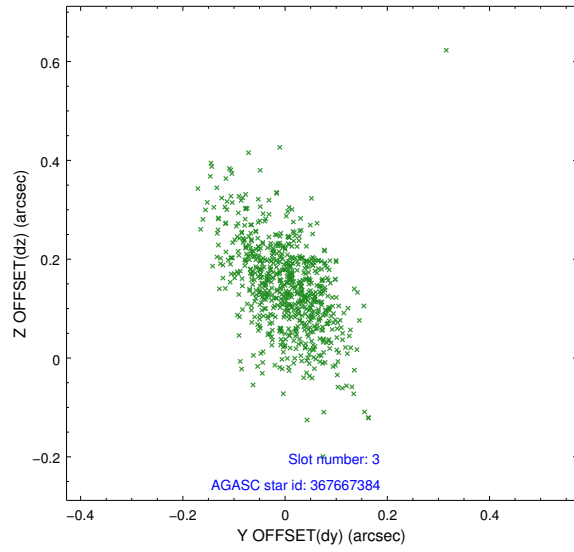
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.93	363	0.048	-0.018	0.006	0.009	0.000000	0.000000	-756.84	-1290.08
1	FID	HRC-I-2	6.97	363	0.031	-0.033	0.005	0.009	0.000000	0.000000	853.69	-1295.24
2	FID	HRC-I-3	7.01	363	0.039	-0.037	0.005	0.008	0.000000	0.000000	-1182.96	1010.90
3	GUIDE	367667384	8.66	724	0.005	0.145	0.108	0.204	12.077552	41.596878	1786.79	2333.29
4	GUIDE	367671800	9.41	725	-0.144	-0.079	0.117	0.201	10.554735	41.964935	-1312.12	-638.67
5	GUIDE	367671896	9.11	725	0.180	0.220	0.150	0.454	11.763473	41.964845	219.96	2205.20
6	GUIDE	367658664	9.60	726	-0.018	-0.040	0.130	0.209	10.374070	41.369746	329.48	-2096.77
7	GUIDE	367665472	9.49	724	-0.034	-0.196	0.124	0.220	10.241611	41.730843	-980.91	-1787.00

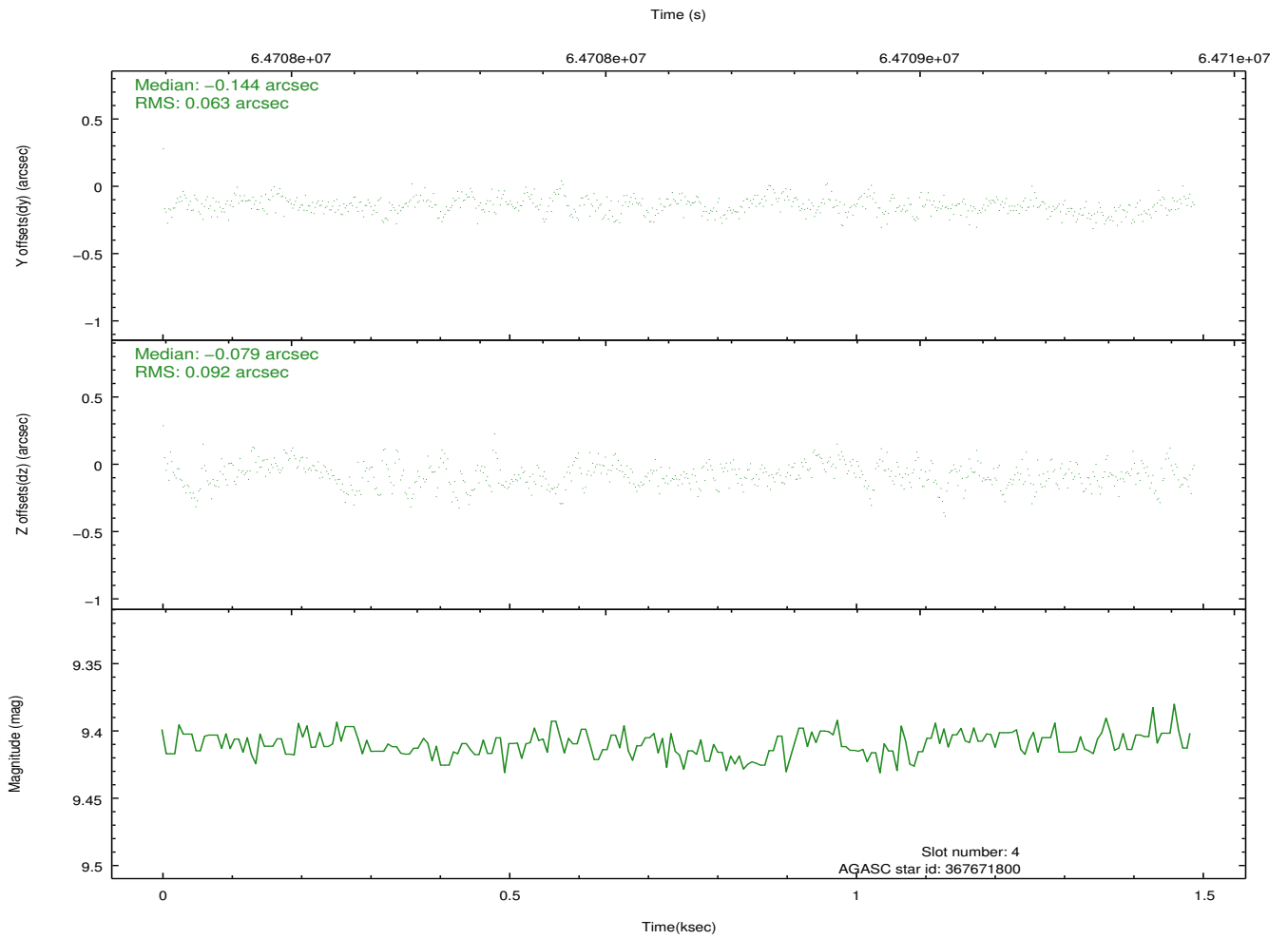
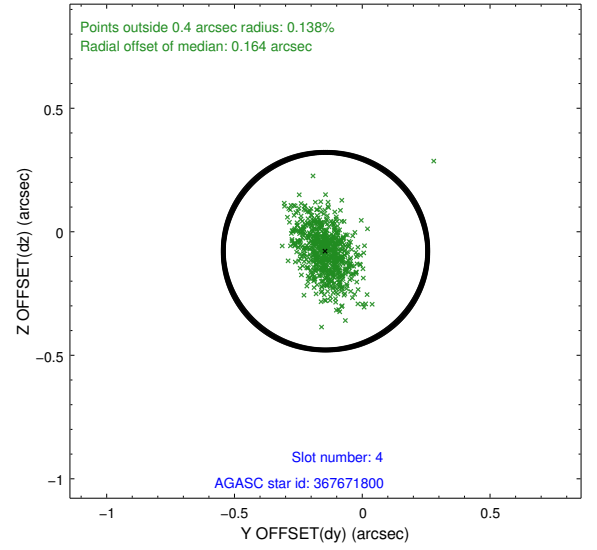
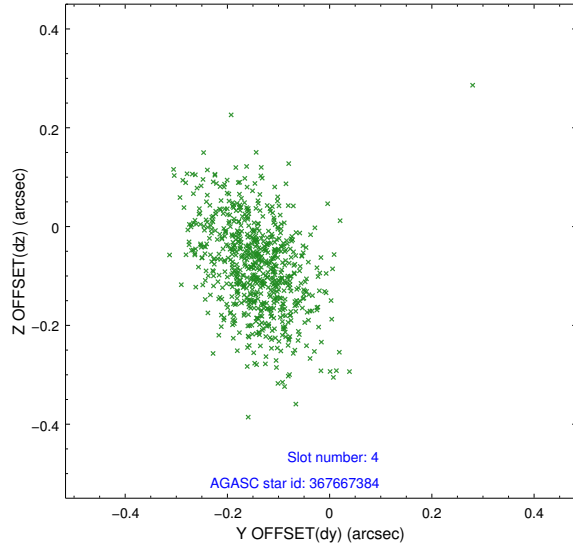


## 2.4 Star Slots

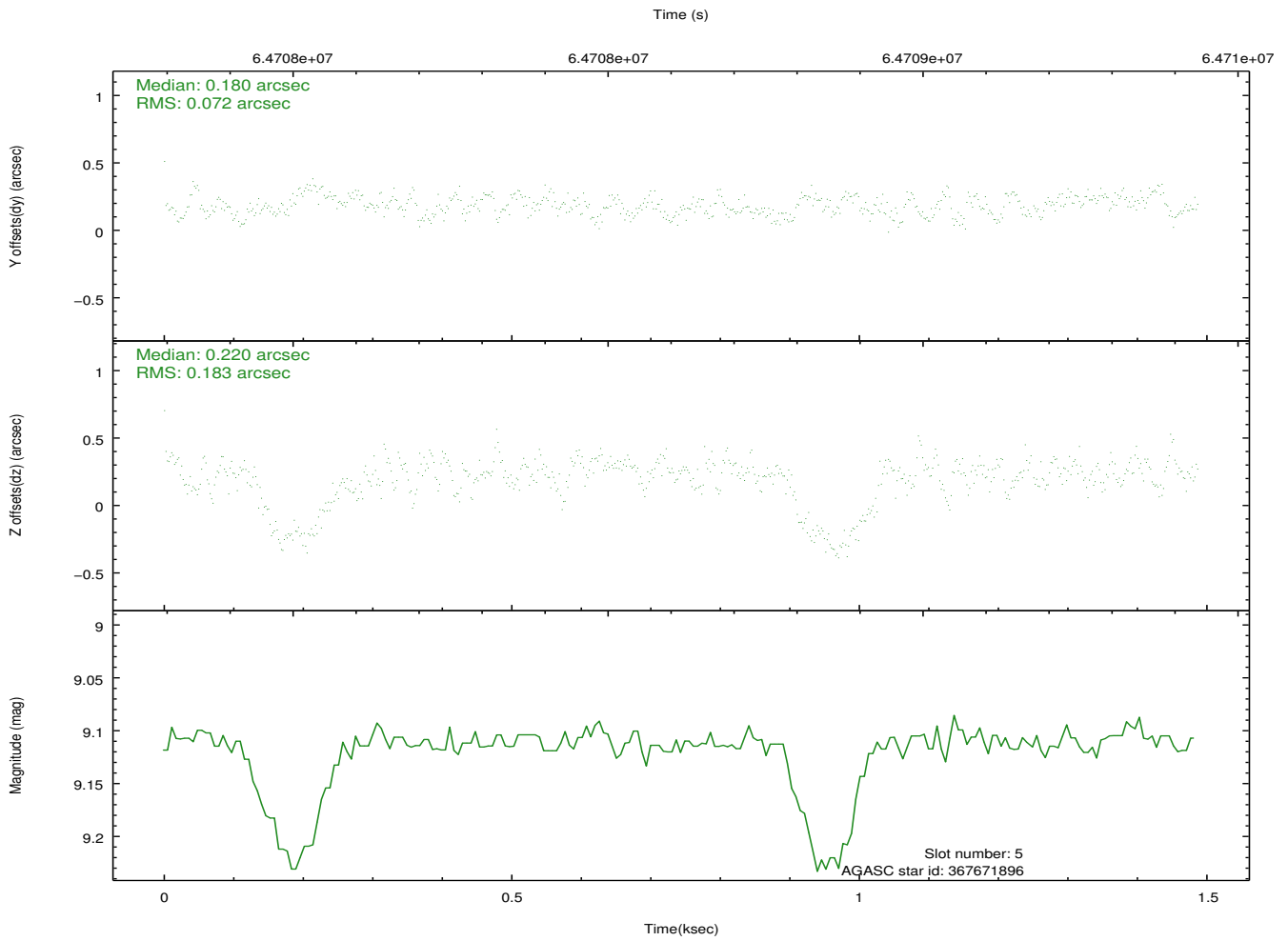
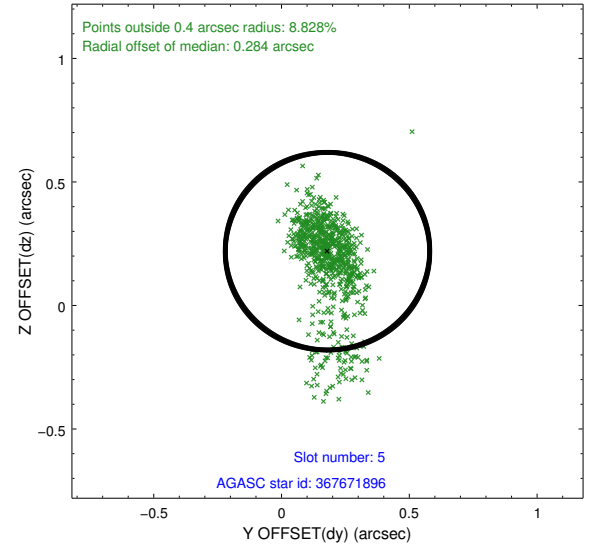
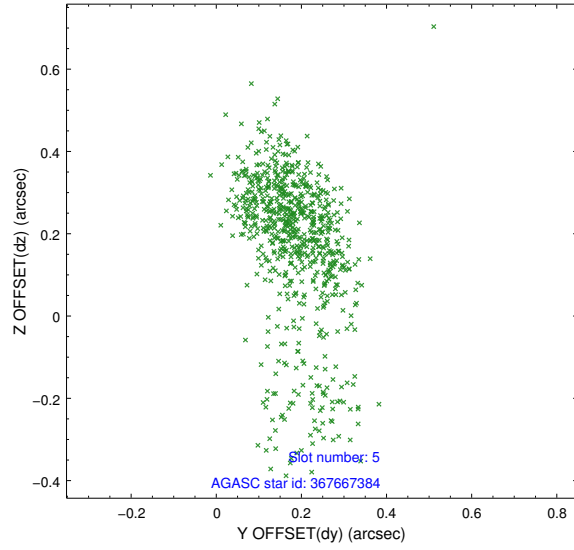
### 2.4.1 Slot 3



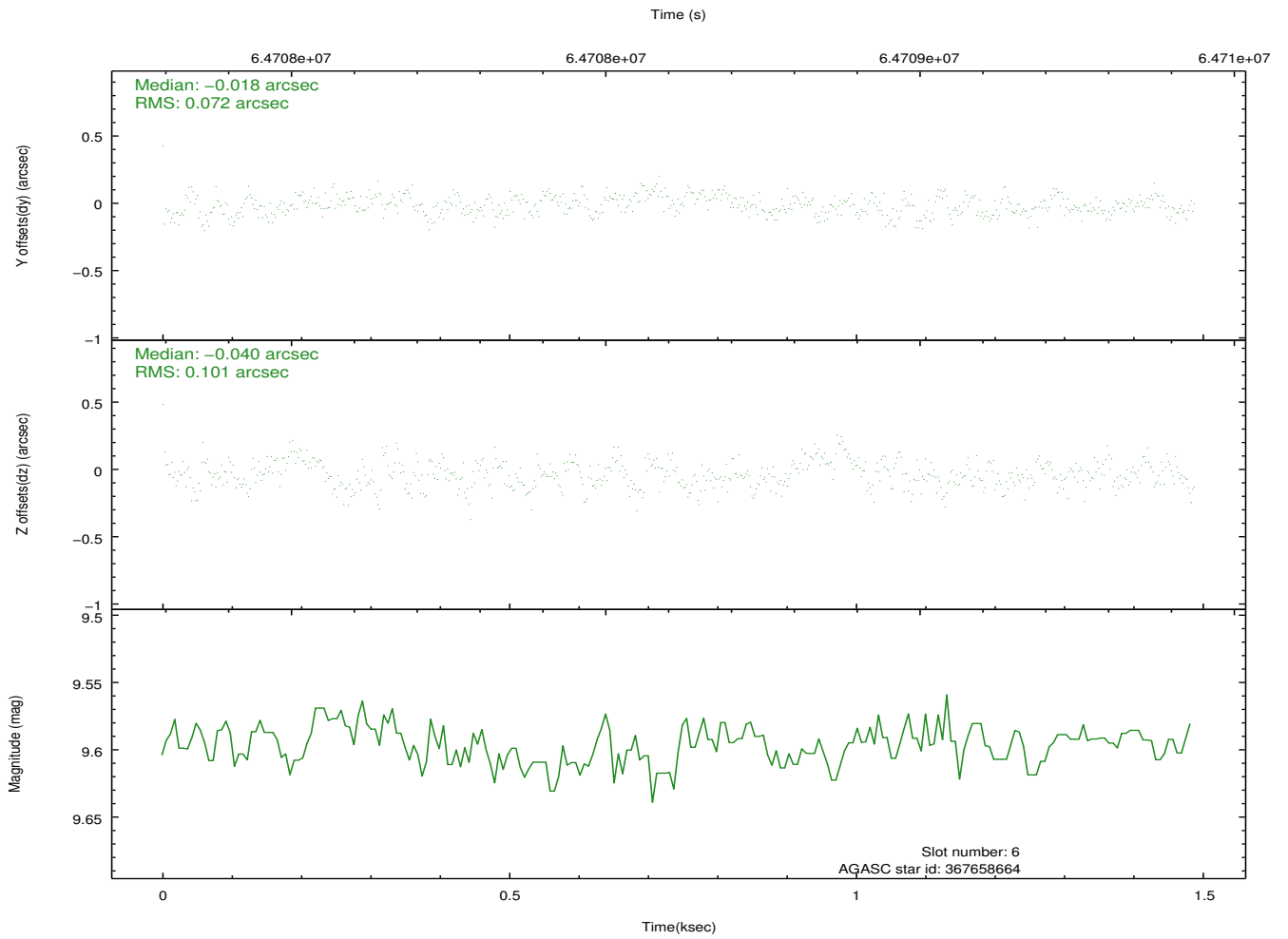
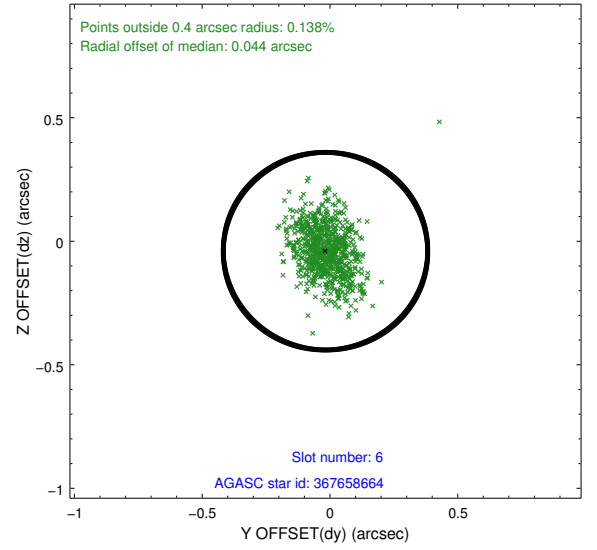
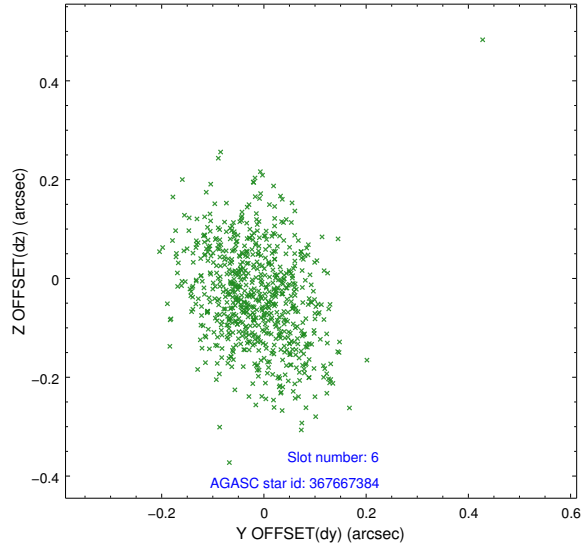
## 2.4.2 Slot 4



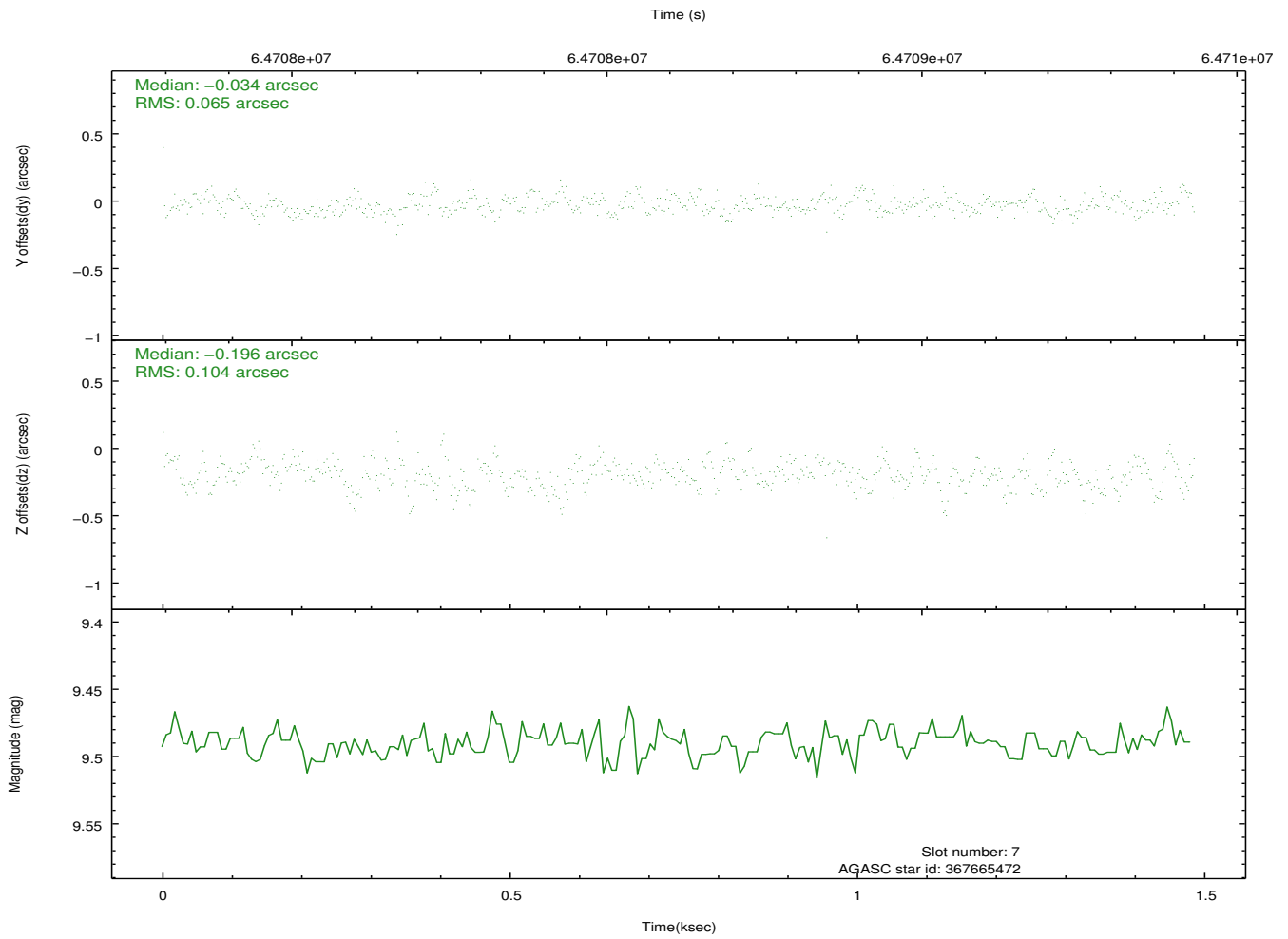
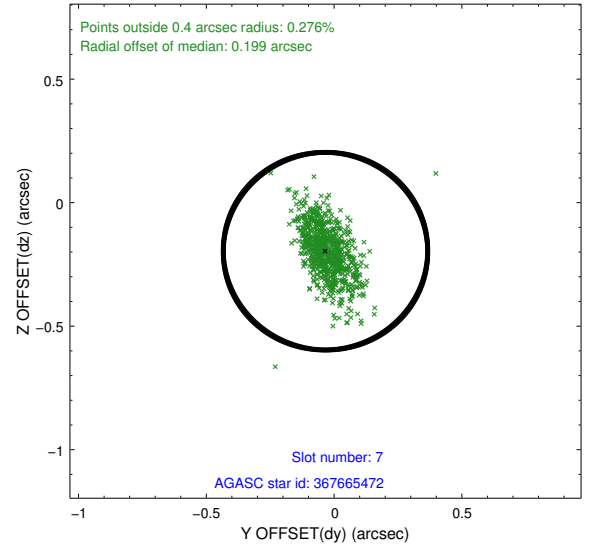
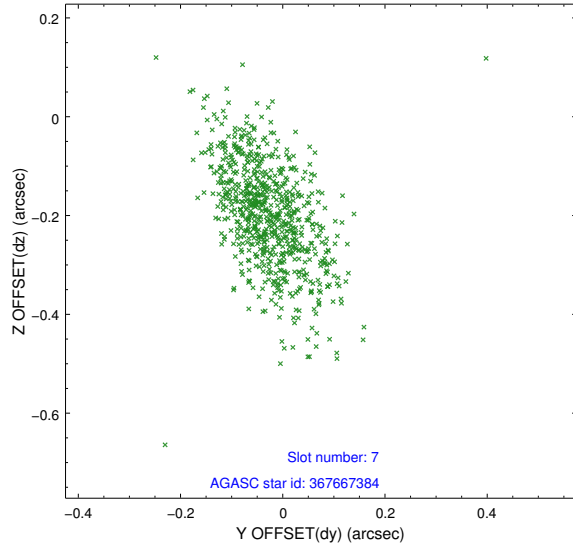
### 2.4.3 Slot 5



## 2.4.4 Slot 6

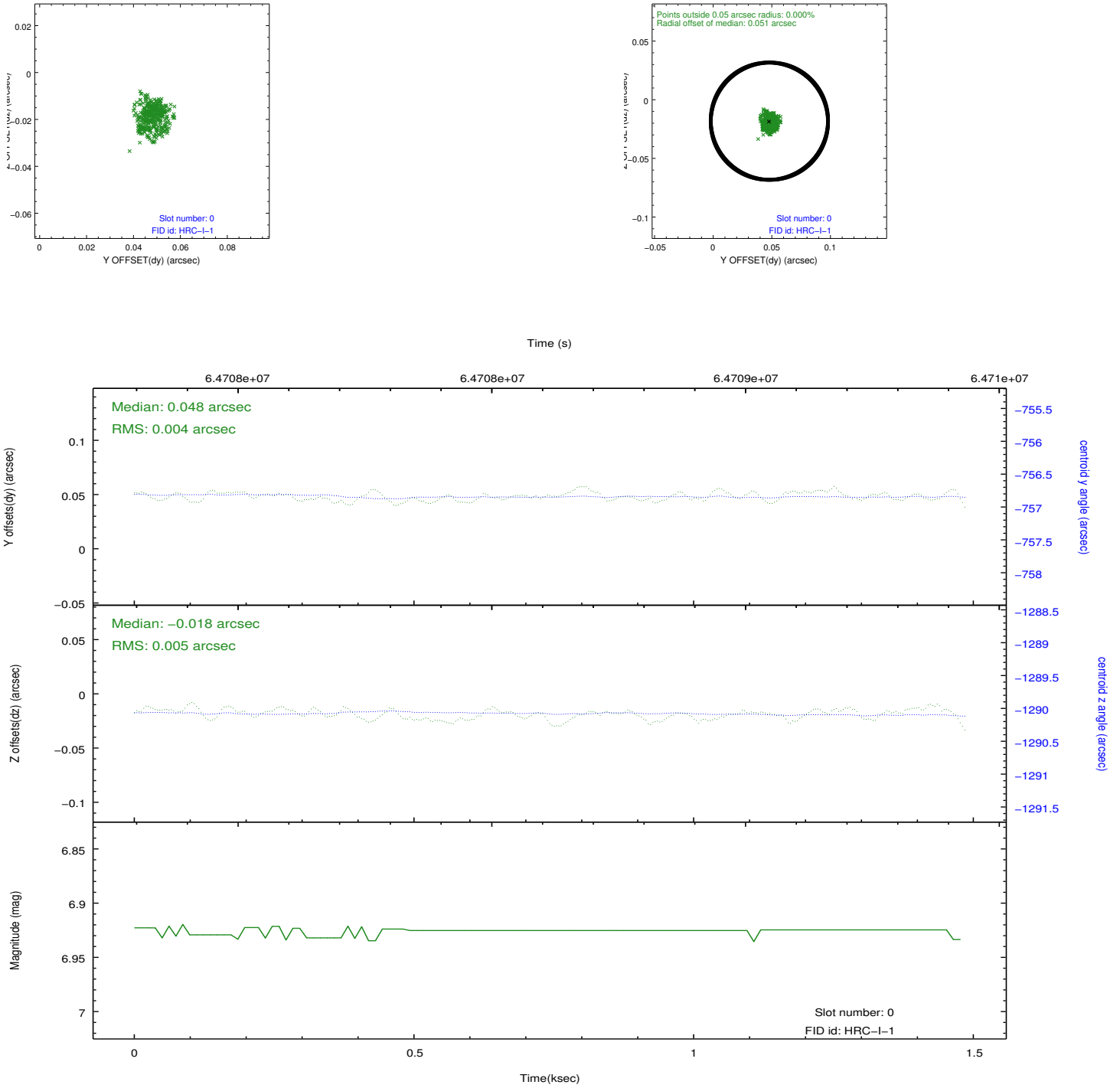


## 2.4.5 Slot 7

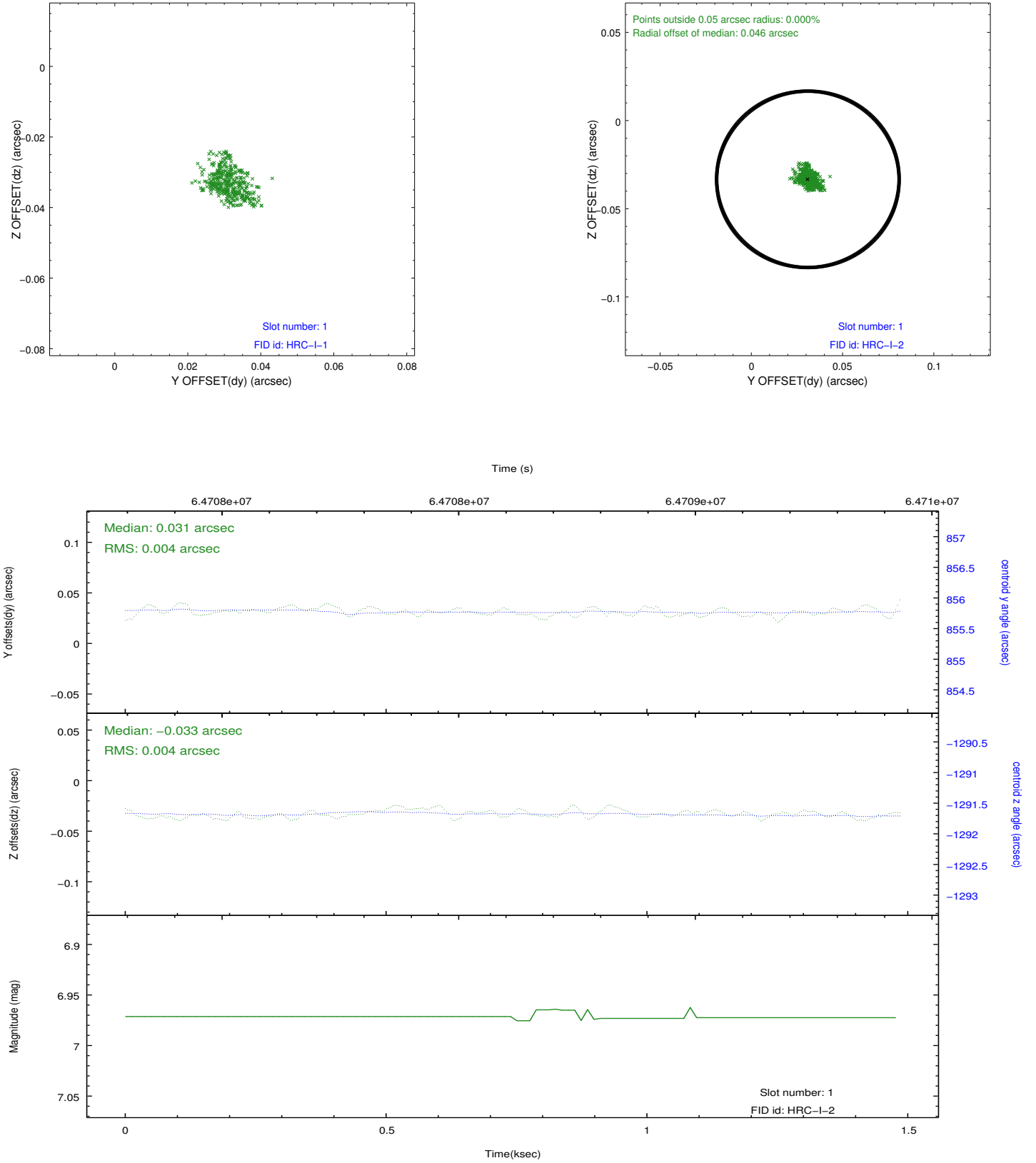


## 2.5 FID Slots

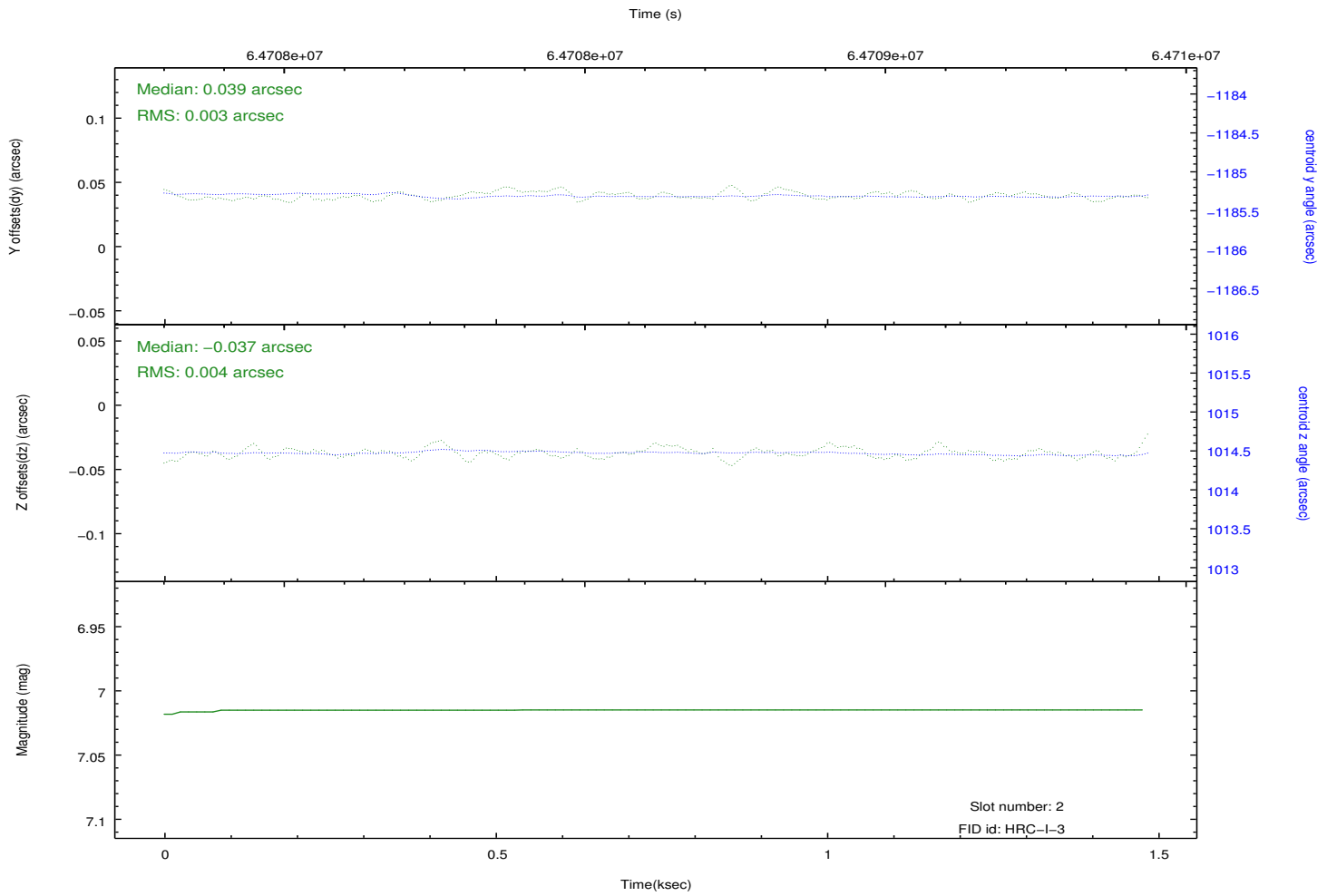
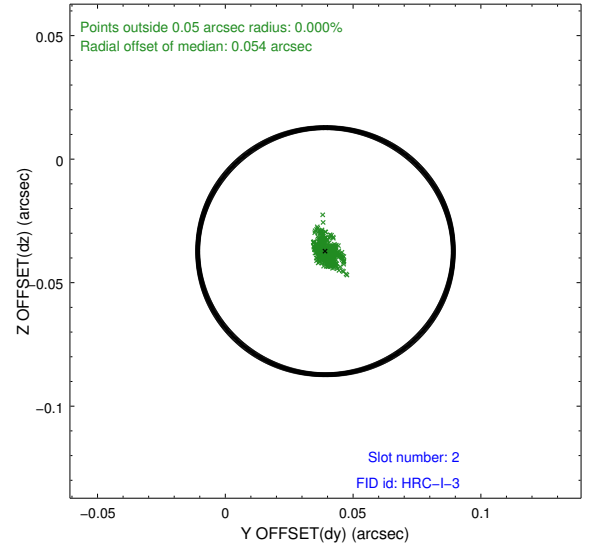
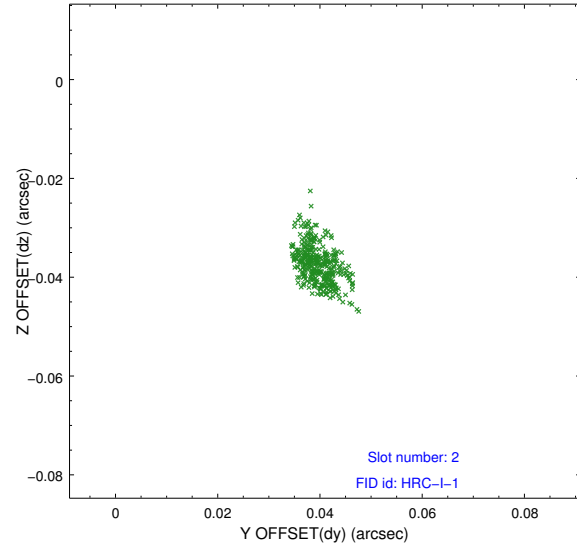
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.12.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.213

### A.2 Comments