

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 294 - L2 Version 6  
Chandra X-Ray Center

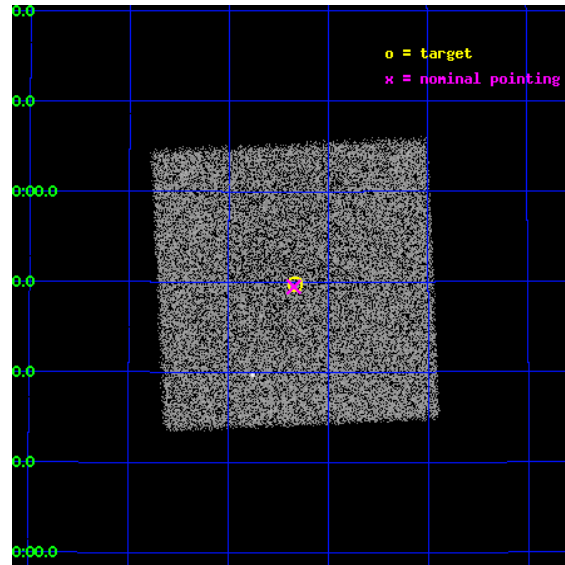
L2 Processing Date : Aug 22 2012

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# 1 Front

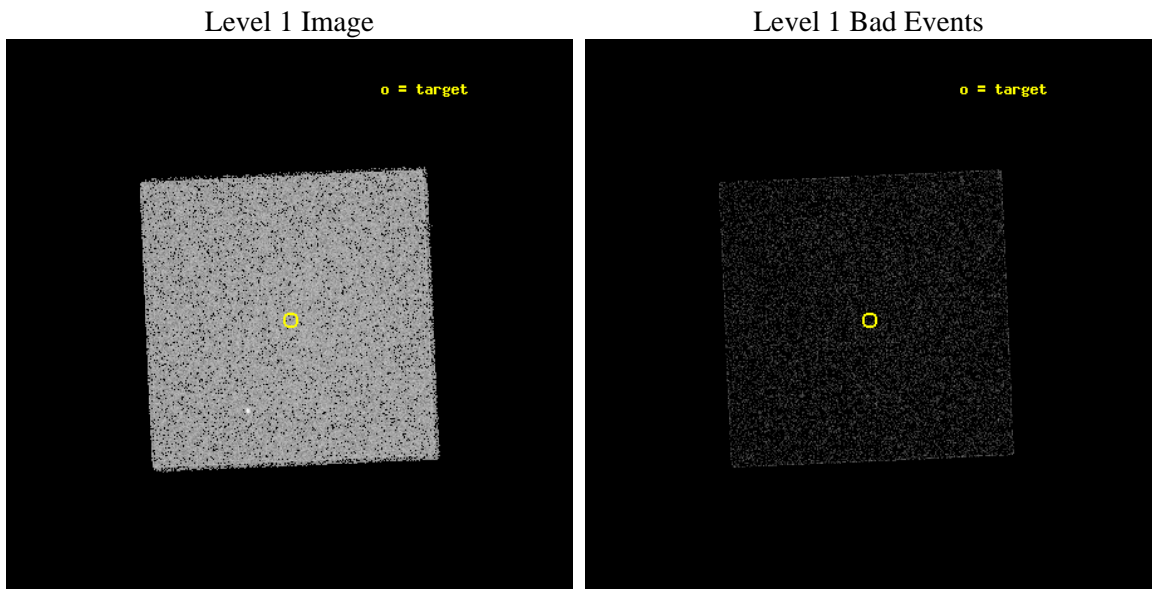
seq_num	600054	Sequence number
obs_id	294	Observation id
title	MONITORING M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - North 2	Source name
ra_targ	11.333333	Observer's specified target RA [deg]
dec_targ	41.829722	Observer's specified target Dec [deg]
ra_nom	11.336280234378	Nominal RA [deg]
dec_nom	41.824375312257	Nominal Dec [deg]
roll_nom	312.47315468226	Nominal Roll [deg]
revision	6	Processing version of data
ontime	1477.2813038602	[s]
livetime	1467.6550187869	Ontime multiplied by DTCOR
l2events	55720	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	2	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1477.2813038602	[s]
caldsver	4.5.1.1	&#160	l1events	155075	Number of level 1 events
date	2012-08-22T13:09:20	Date and time of file creation			
revision	6	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

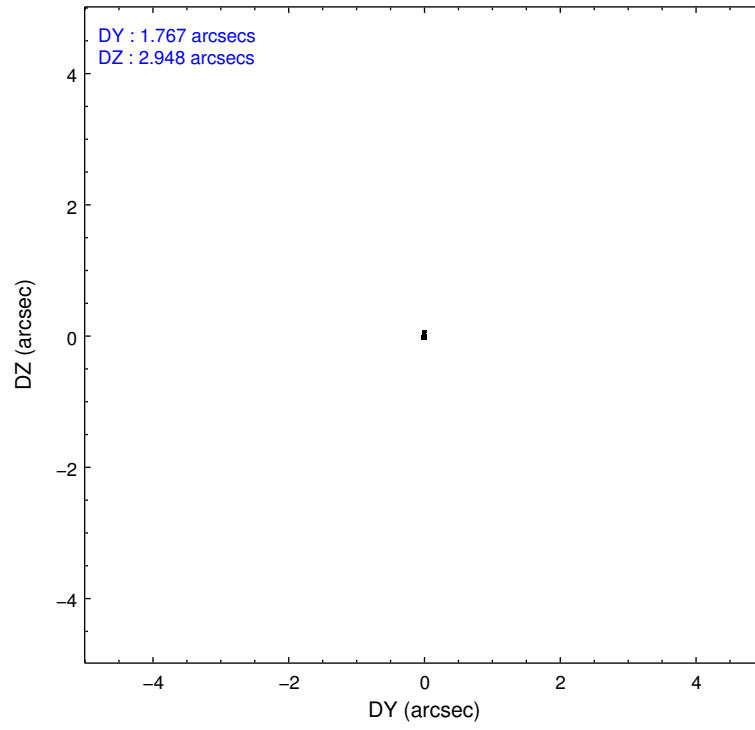
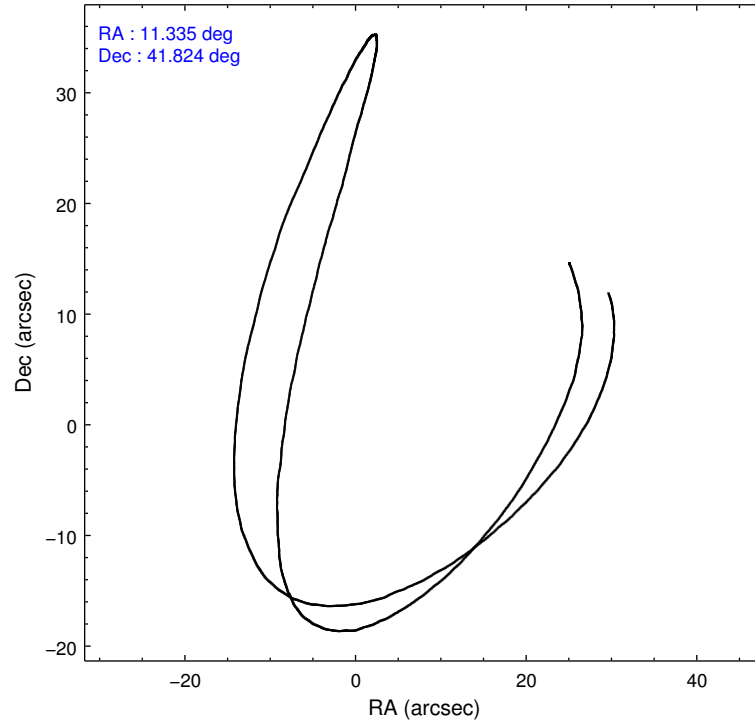
	<b>segment 0</b>
level 1 events	155075
rejected events	70163
rejected %	45%

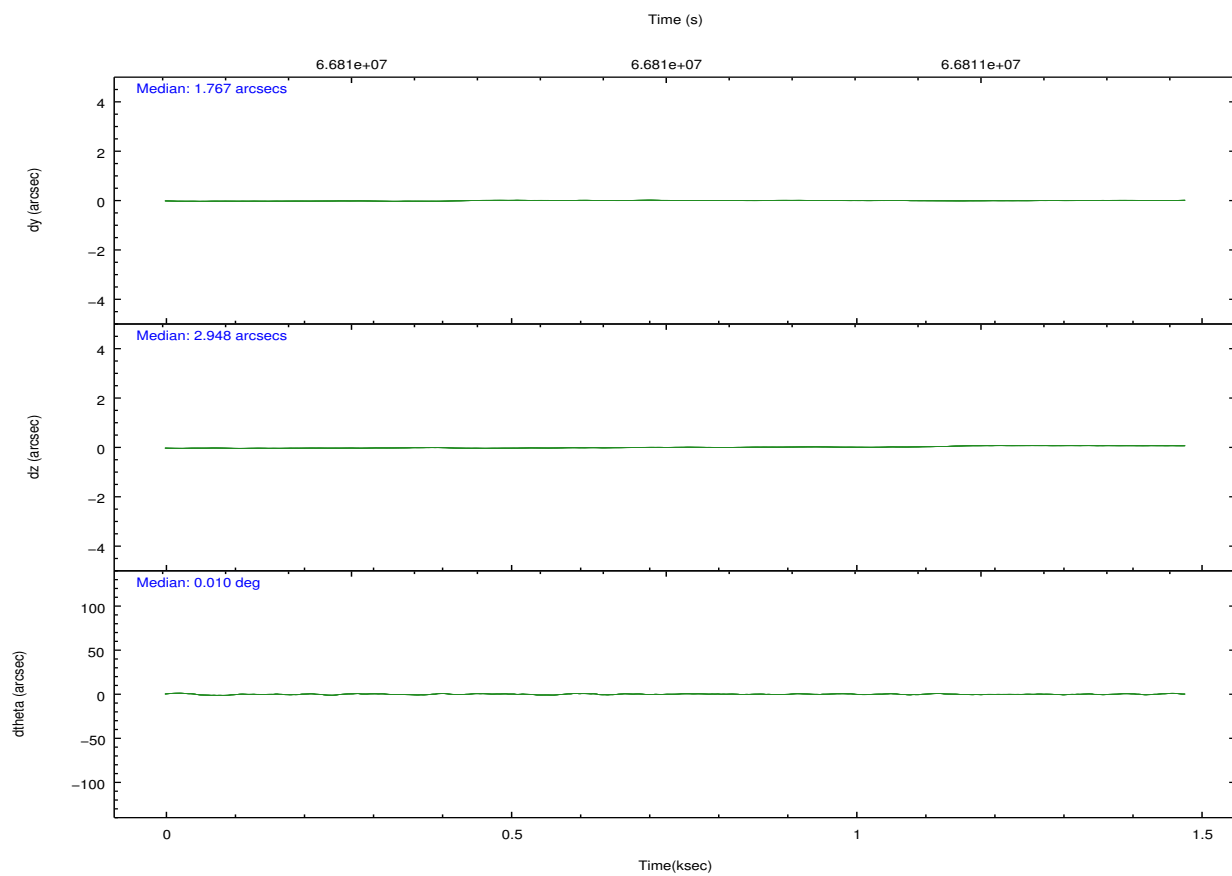
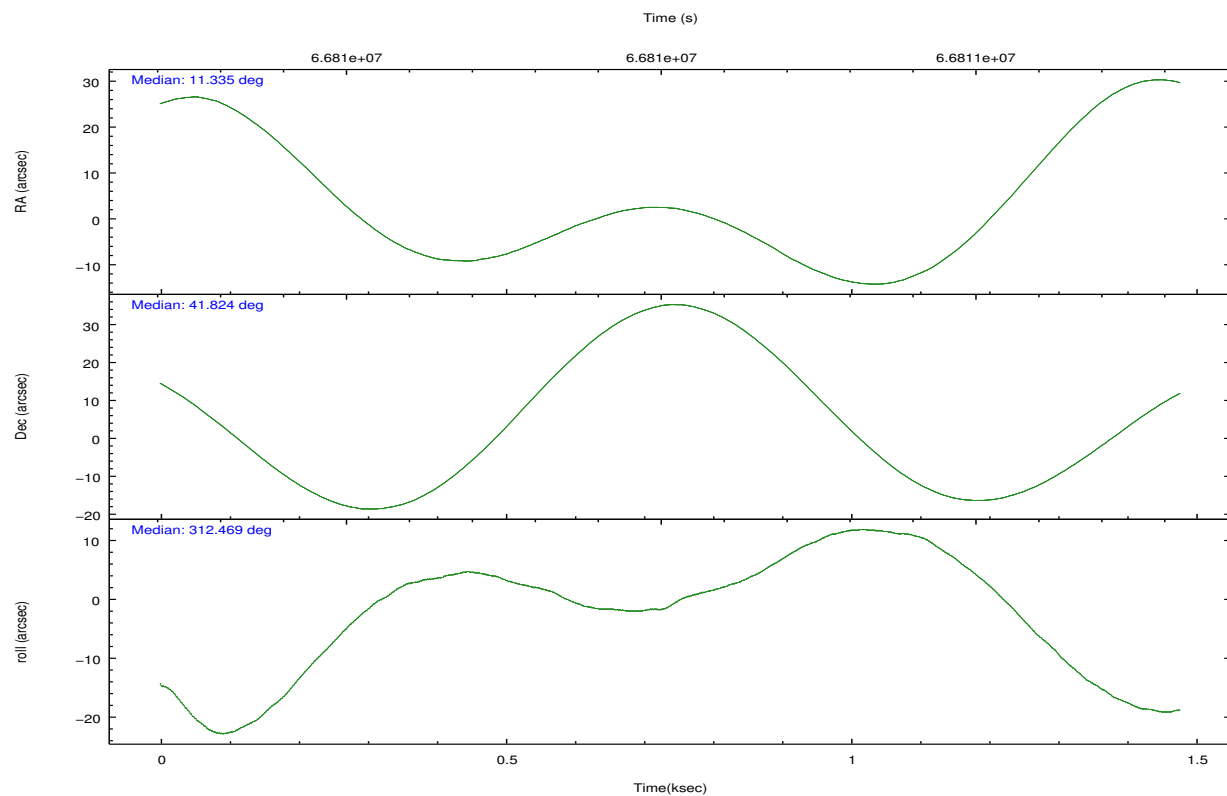
## 2.2 Compared Parameters

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	11.300292	11.33628023437788
[deg] Pointing Dec	41.833354	41.82437531225658
[deg] Pointing Roll	312.592651	312.4731546822565
[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)	66810252.184000	66809586.233759
Observation start date	2000-02-13T06:23:08	2000-02-13T06:13:06
[s] Observation end time (MET)	66811252.184000	66812225.096355
Observation end date	2000-02-13T06:39:48	2000-02-13T06:57:05

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

## 2.3 Aspect





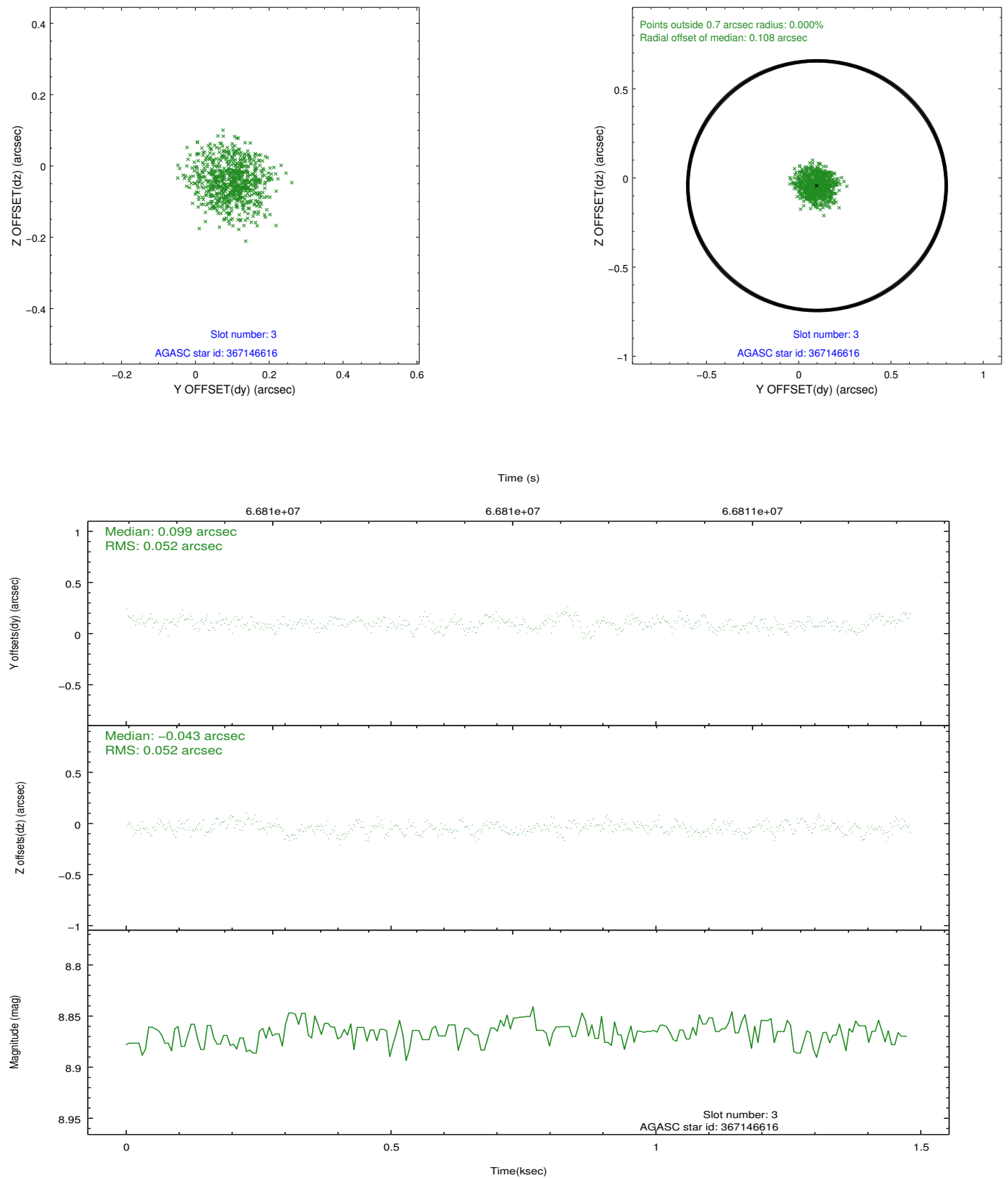
Slot Statistics

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	361	0.062	0.013	0.006	0.011	0.000000	0.000000	-757.18	-1290.70
1	FID	HRC-I-3	7.03	361	0.033	-0.042	0.007	0.011	0.000000	0.000000	-1187.73	1010.24
2	FID	HRC-I-4	6.99	361	0.019	-0.061	0.005	0.009	0.000000	0.000000	1282.34	1014.14
3	GUIDE	367146616	8.87	722	0.099	-0.043	0.083	0.123	11.418645	41.190163	1917.63	-1330.50
4	GUIDE	367671896	9.09	722	0.269	0.190	0.078	0.130	11.763473	41.964845	486.88	1234.06
5	GUIDE	367670520	9.26	721	-0.155	0.012	0.082	0.135	11.265516	42.371946	-1493.70	1246.02
6	GUIDE	367664016	9.37	722	-0.022	0.048	0.088	0.141	12.105776	41.954692	1124.10	1892.20
7	GUIDE	367665472	9.49	721	-0.185	-0.216	0.111	0.184	10.241611	41.730843	-1668.66	-2329.23

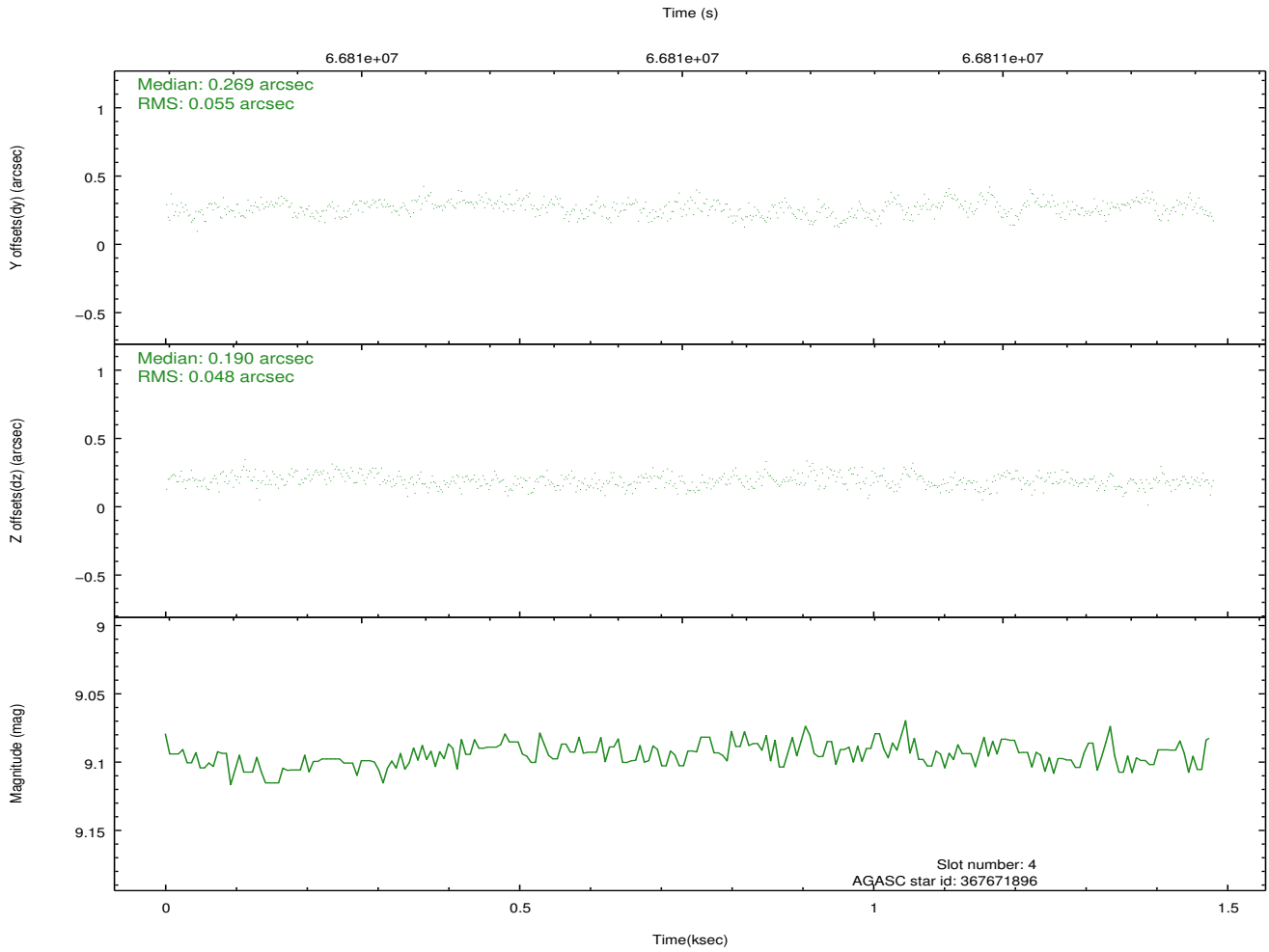
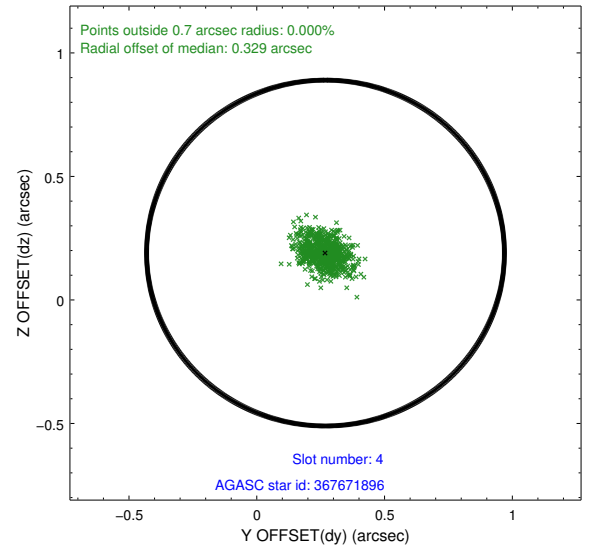
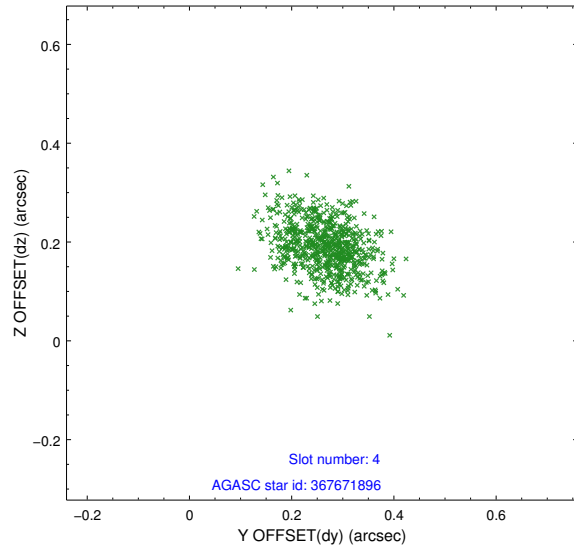


## 2.4 Star Slots

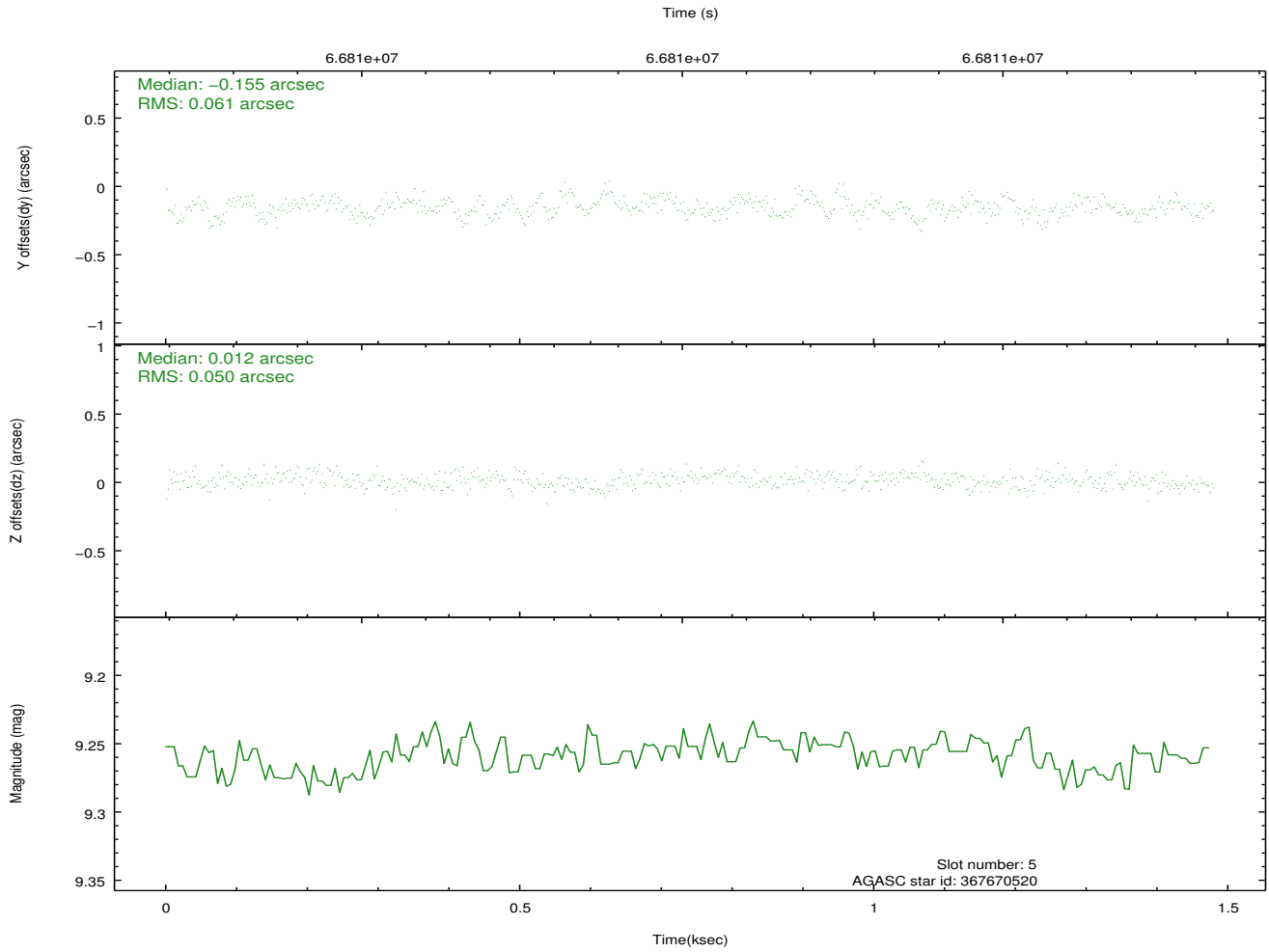
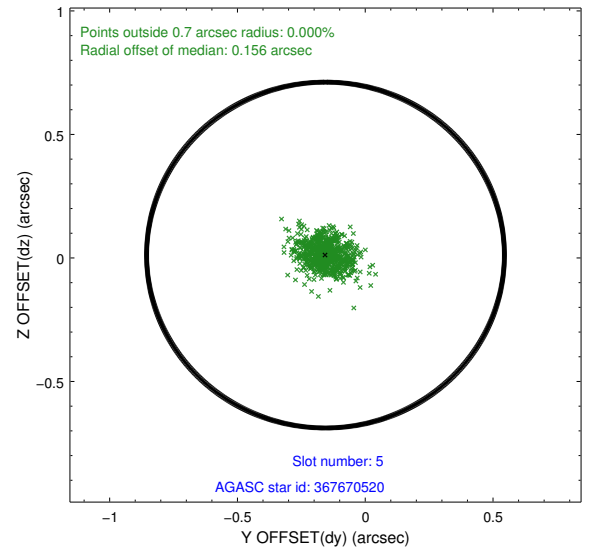
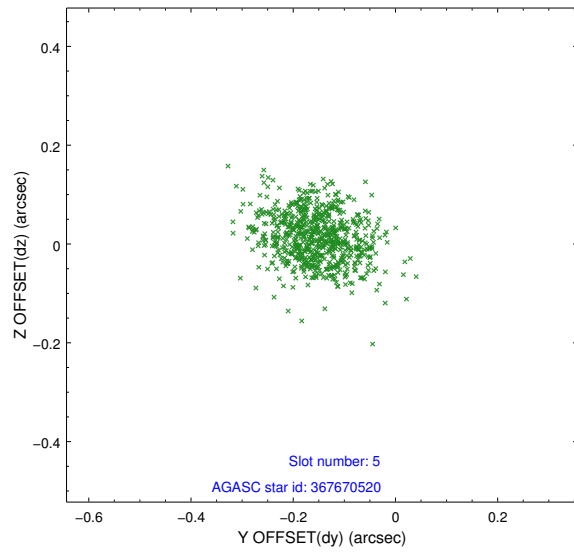
### 2.4.1 Slot 3



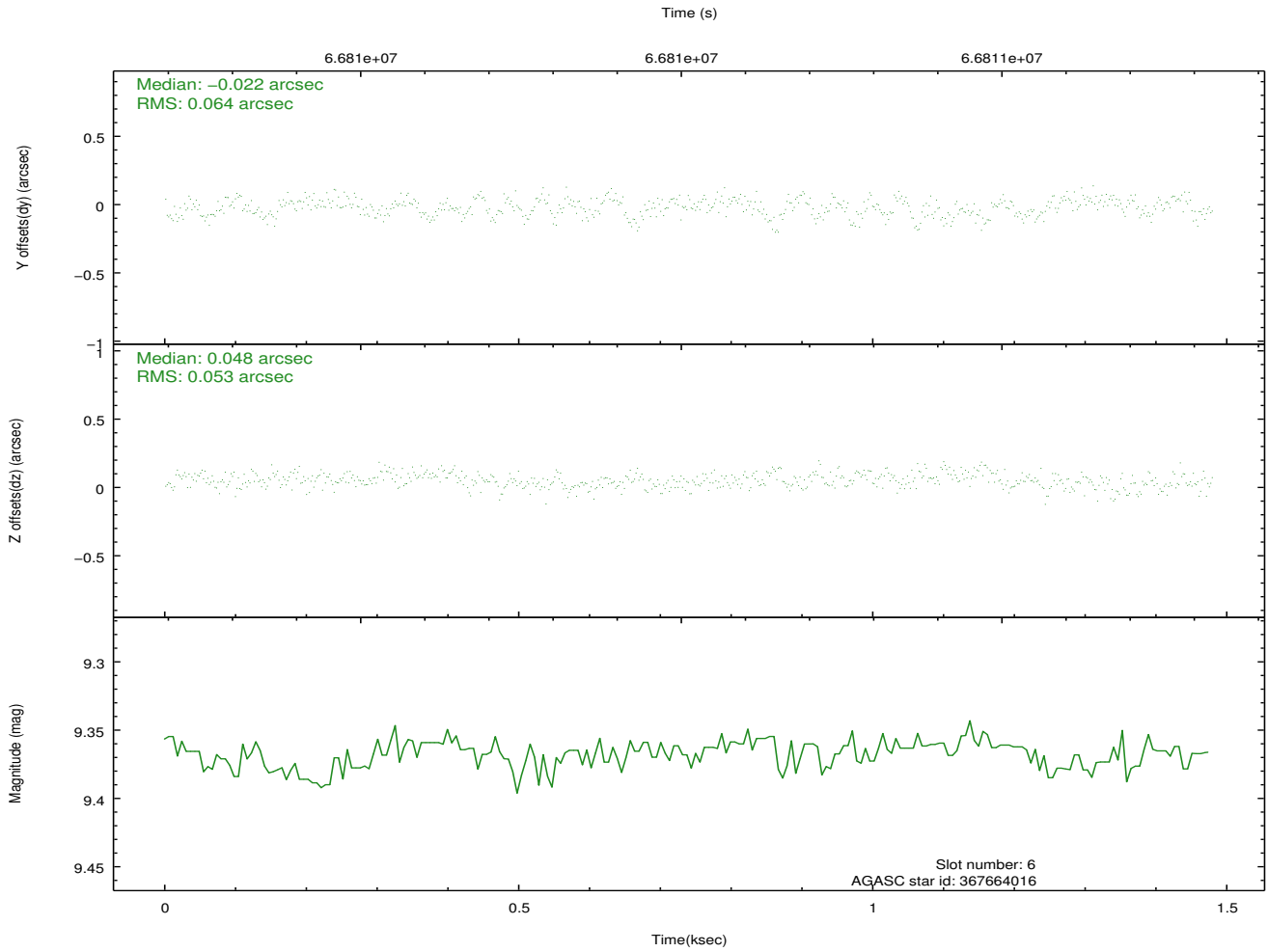
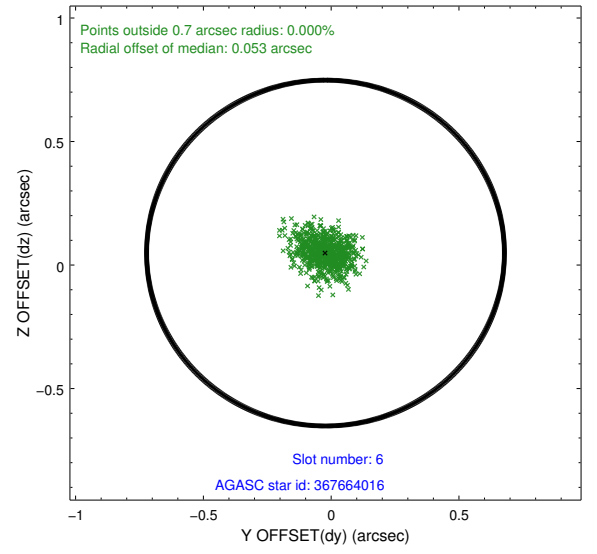
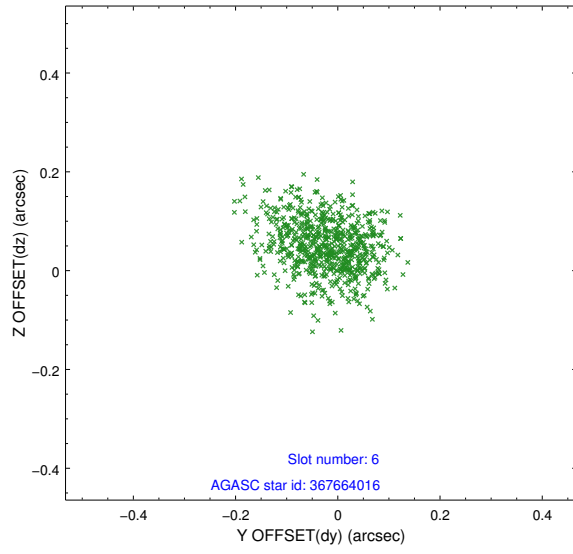
## 2.4.2 Slot 4



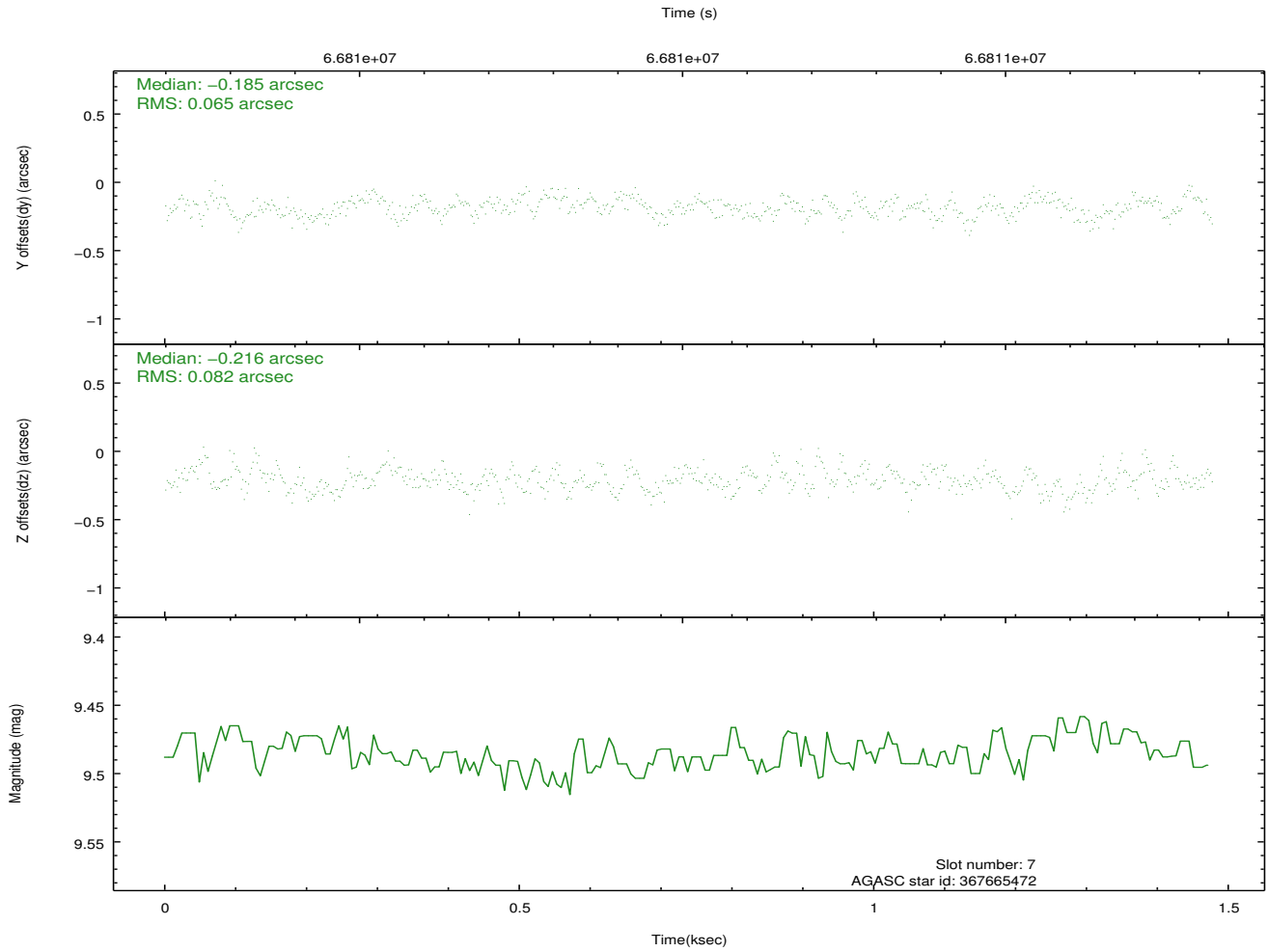
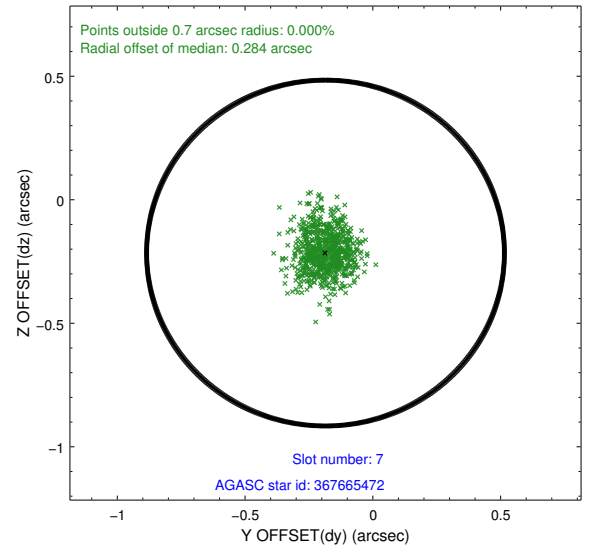
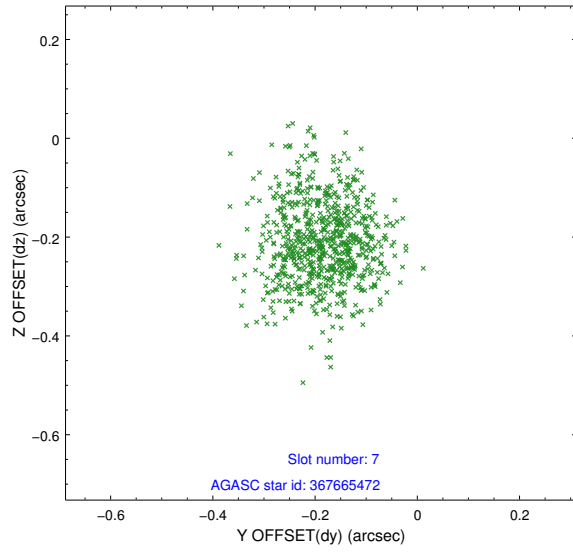
### 2.4.3 Slot 5



## 2.4.4 Slot 6

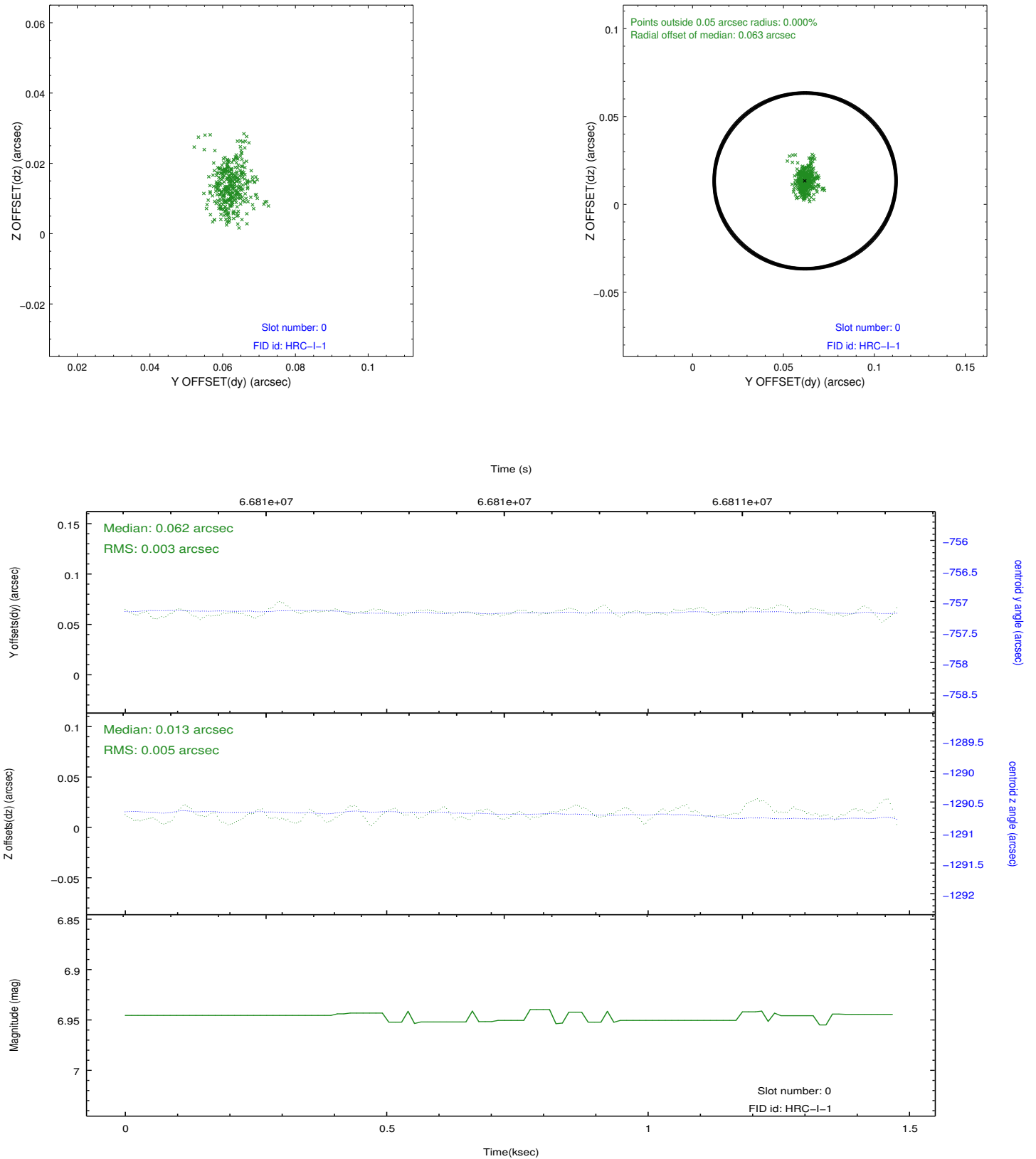


## 2.4.5 Slot 7

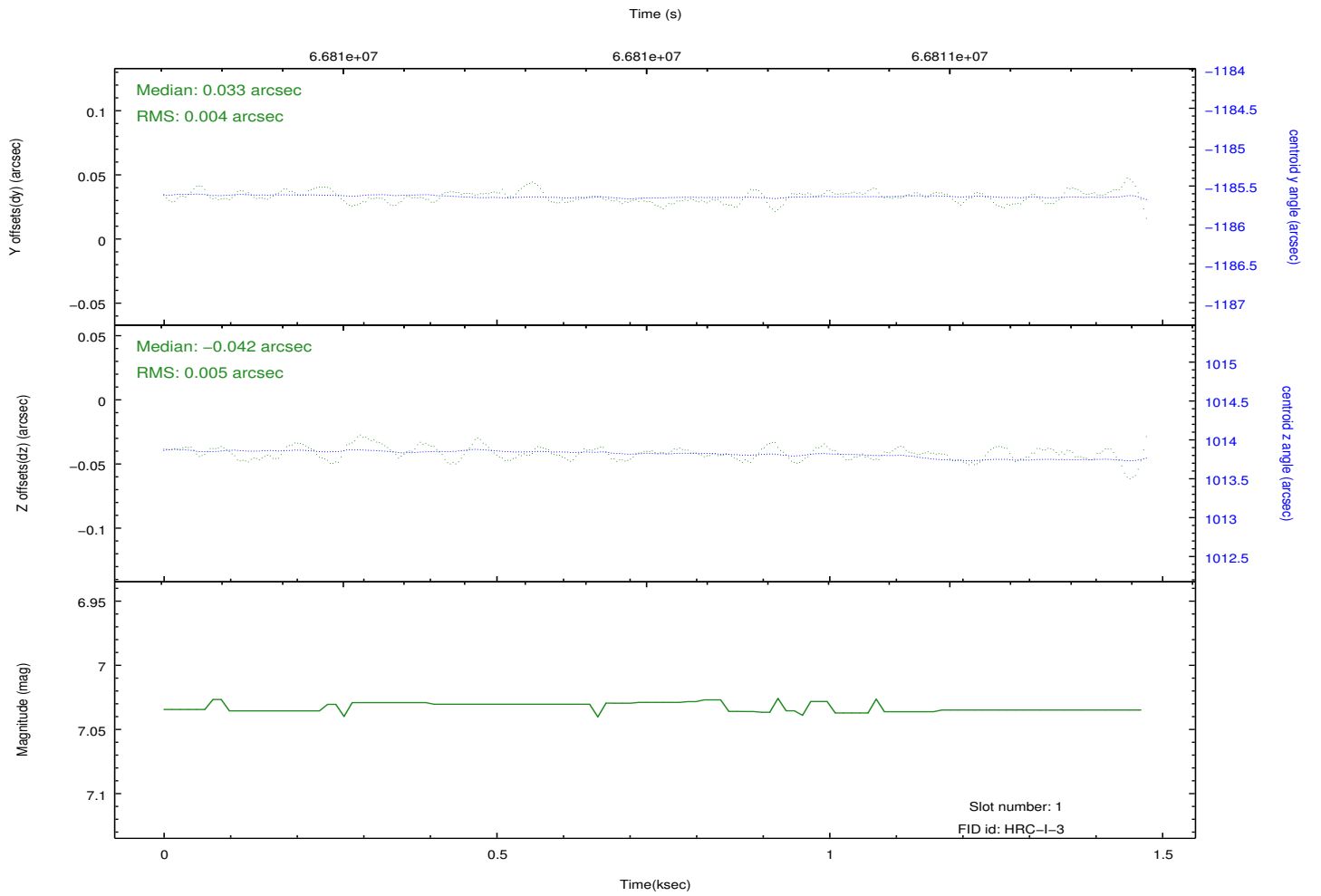
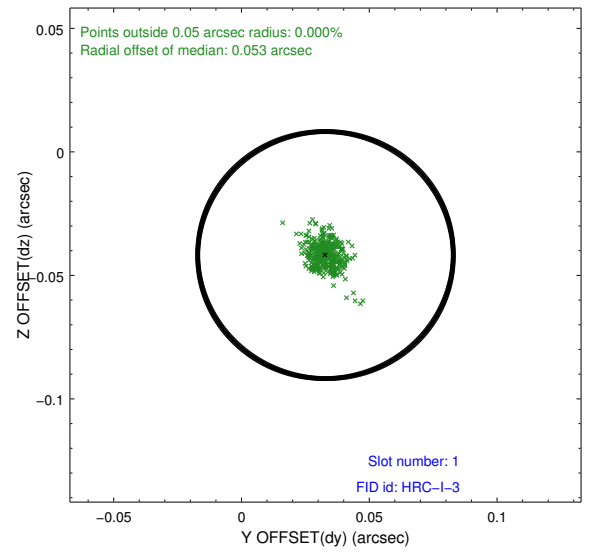
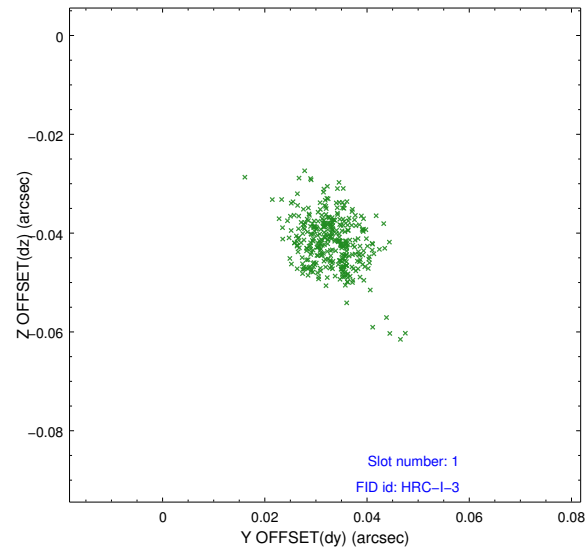


## 2.5 FID Slots

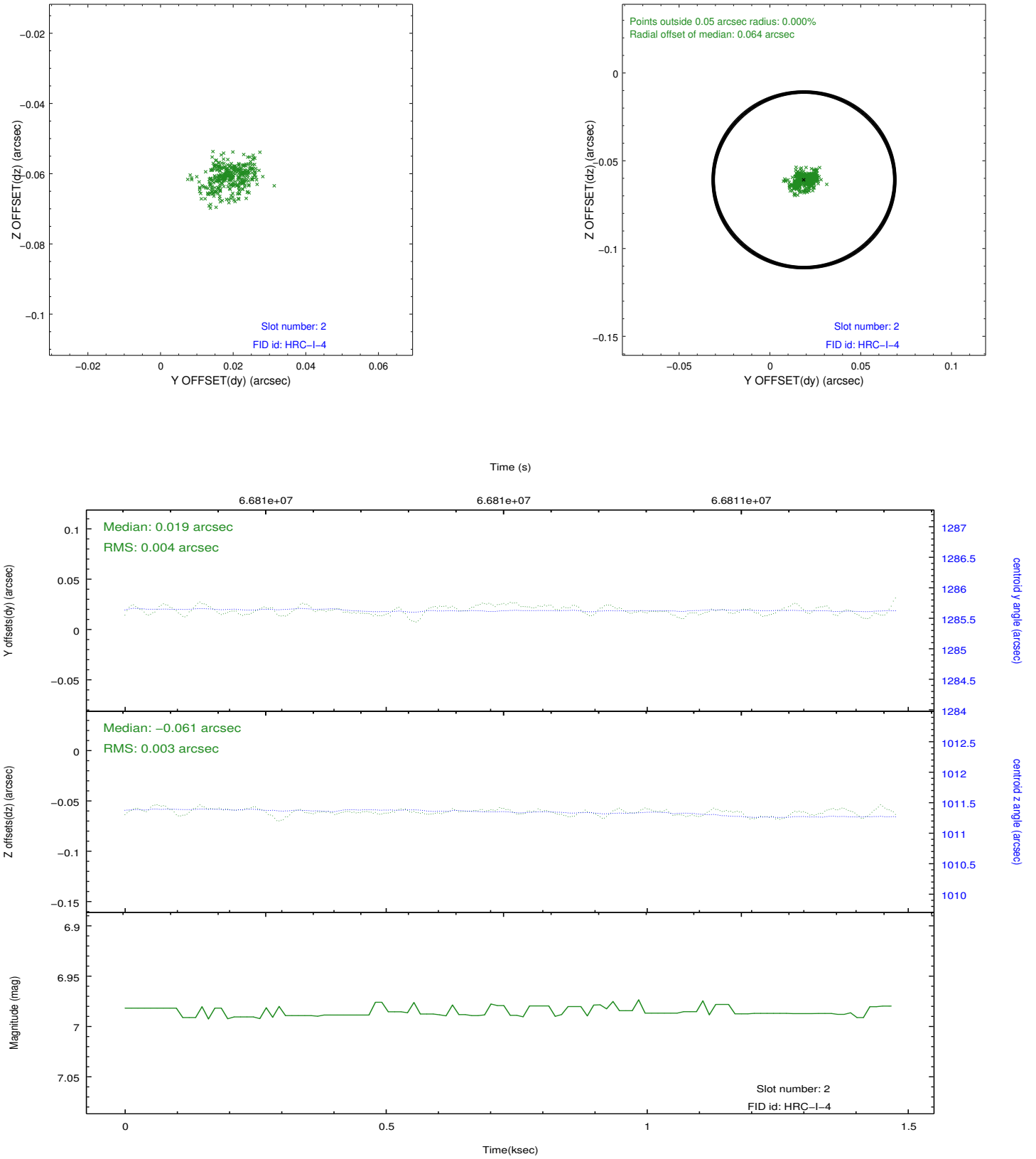
### 2.5.1 Slot 0



## 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)	2012.08.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.477

### **A.2 Comments**