

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 5052 - L2 Version 3  
Chandra X-Ray Center

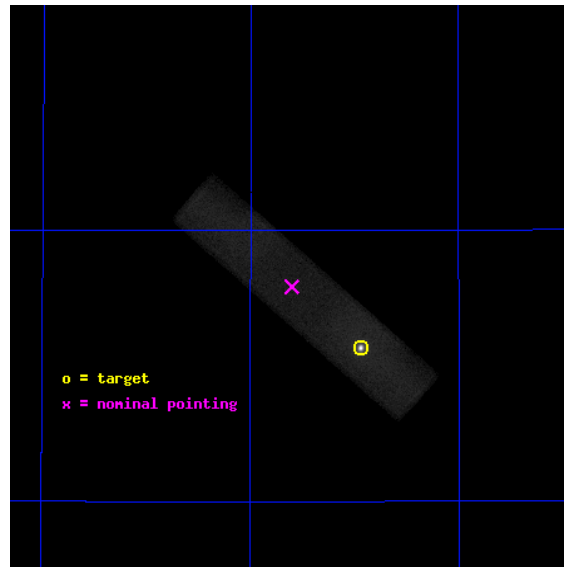
L2 Processing Date : Nov 11 2012

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# 1 Front

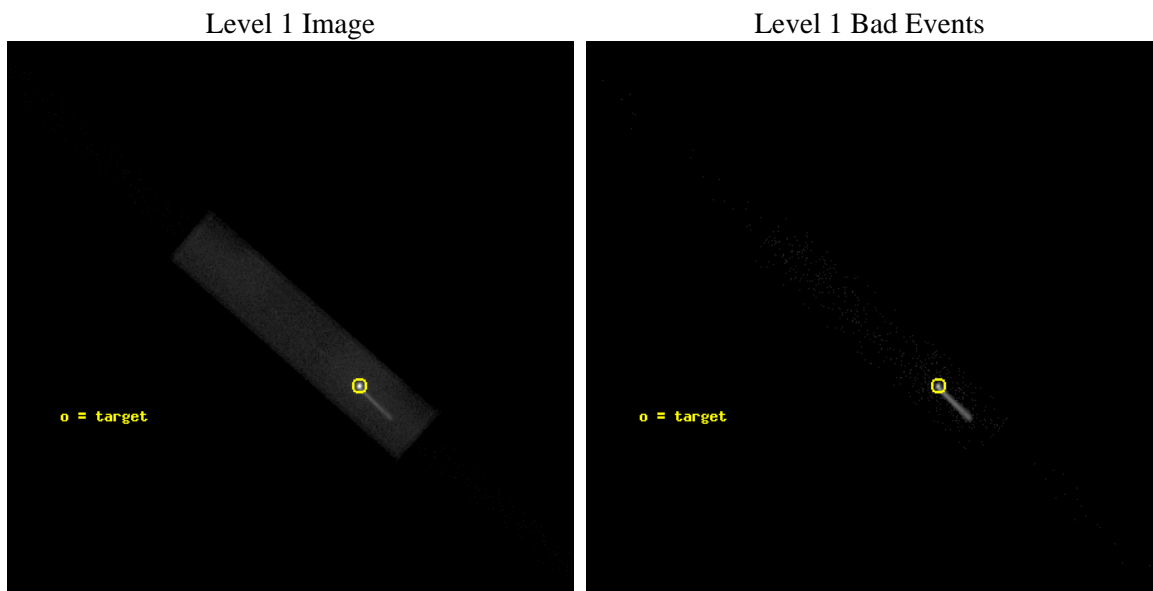
seq_num	290325	Sequence number
obs_id	5052	Observation id
title	AO5 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.40063345328	Nominal RA [deg]
dec_nom	38.8965572508	Nominal Dec [deg]
roll_nom	41.187959714676	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2142.5063436627	[s]
livetime	1375.5603691878	Ontime multiplied by DTCOR
l2events	381502	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	2142.5063436627	[s]
caldsver	4.5.2	&#160	l1events	462291	Number of level 1 events
date	2012-11-11T14:30:19	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

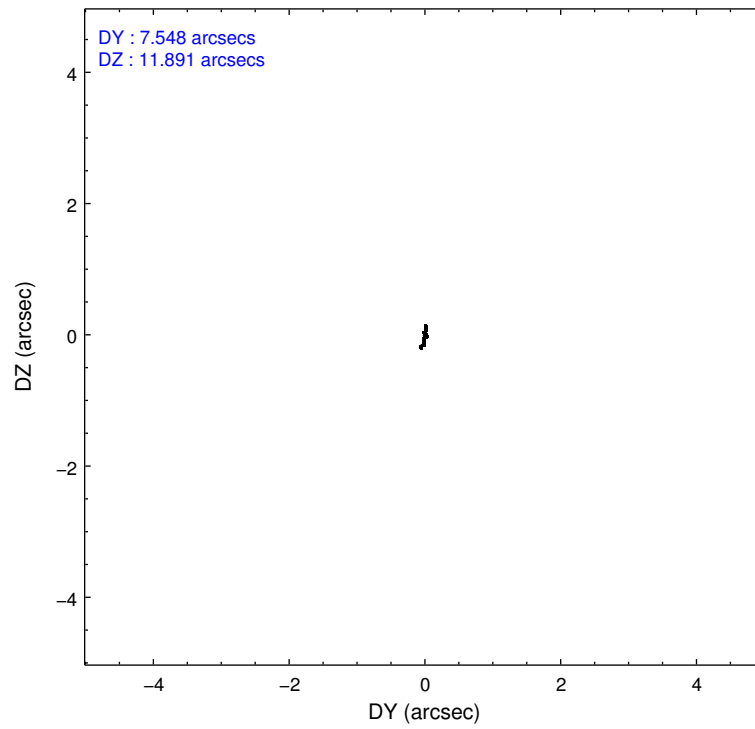
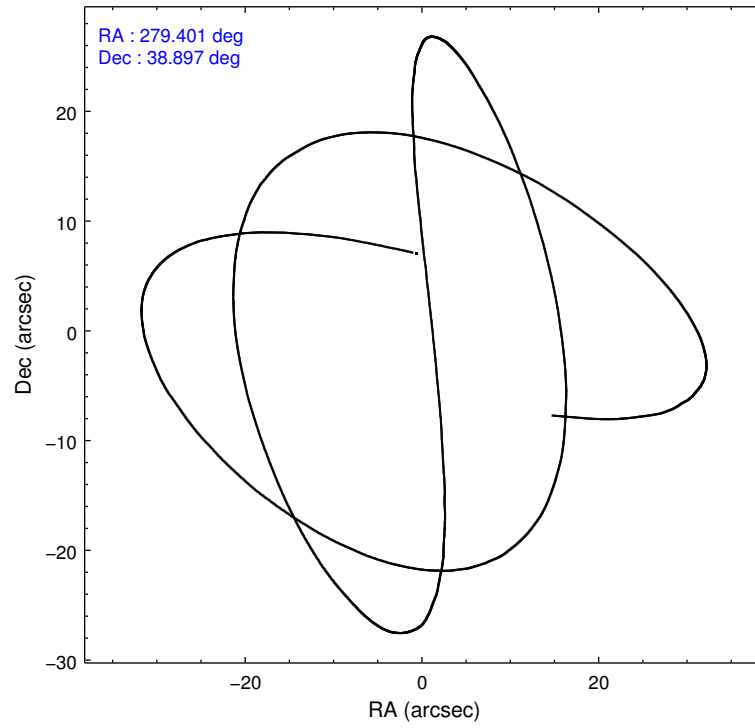
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	2226	458163	1902
rejected events	2226	63020	1902
rejected %	100%	13%	100%

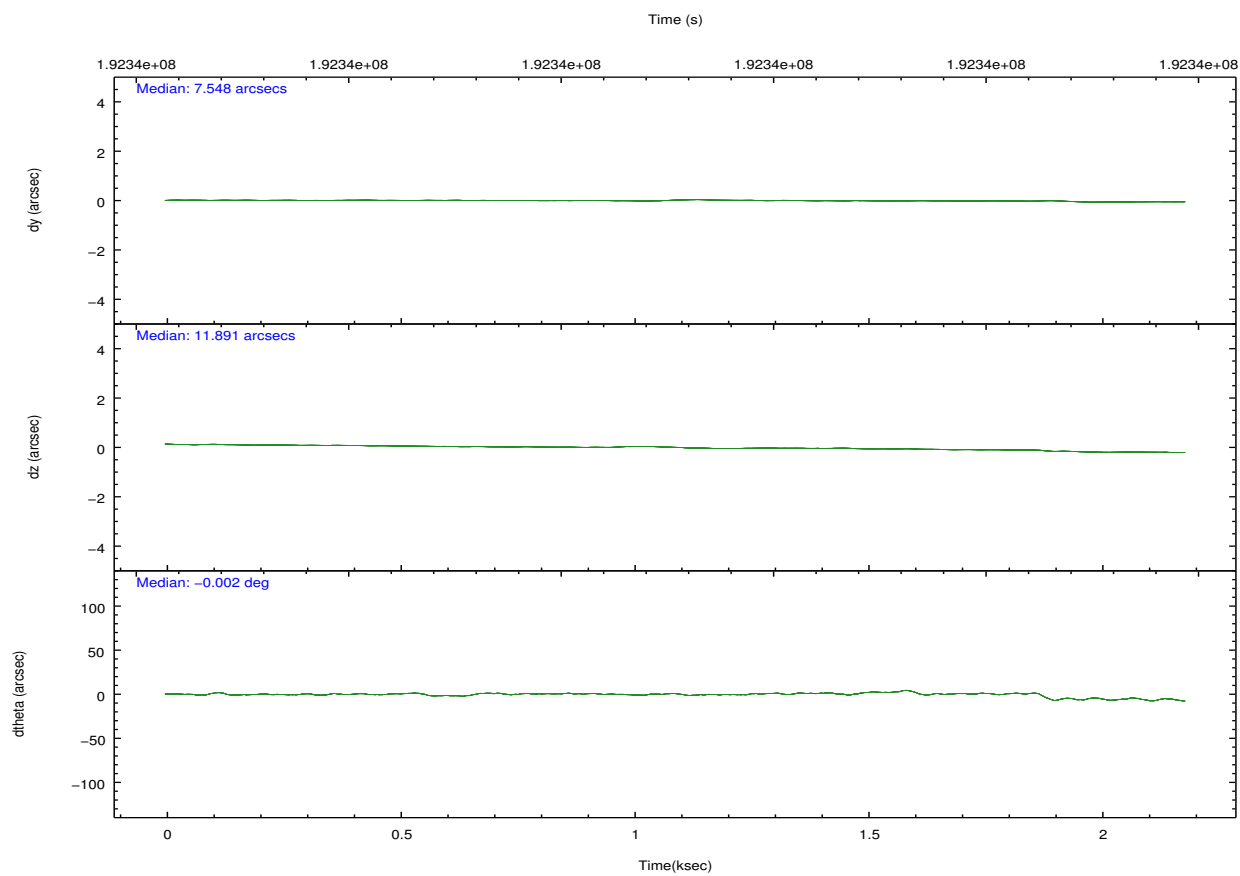
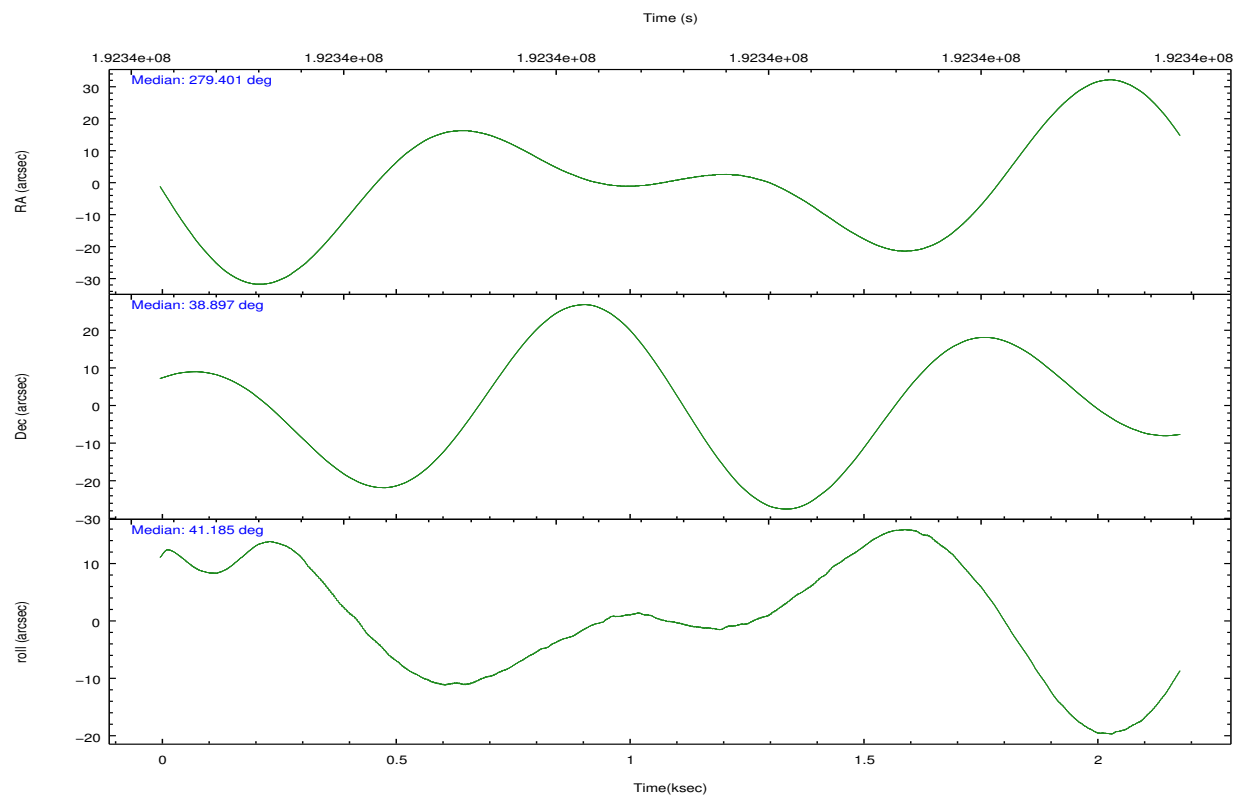
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.390592	279.4006334532767
[deg] Pointing Dec	38.868986	38.89655725080022
[deg] Pointing Roll	41.126934	41.18795971467599
[s] Window start time (MET)	191980864.184000	191980864.184000
[s] Window stop time (MET)	197078464.184000	197078464.184000
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	192337856.184000	192337480.1553
Observation start date	2004-02-05T03:09:52	2004-02-05T03:04:40
[s] Observation end time (MET)	192339856.184000	192339990.38041
Observation end date	2004-02-05T03:43:12	2004-02-05T03:46:30

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

## 2.3 Aspect





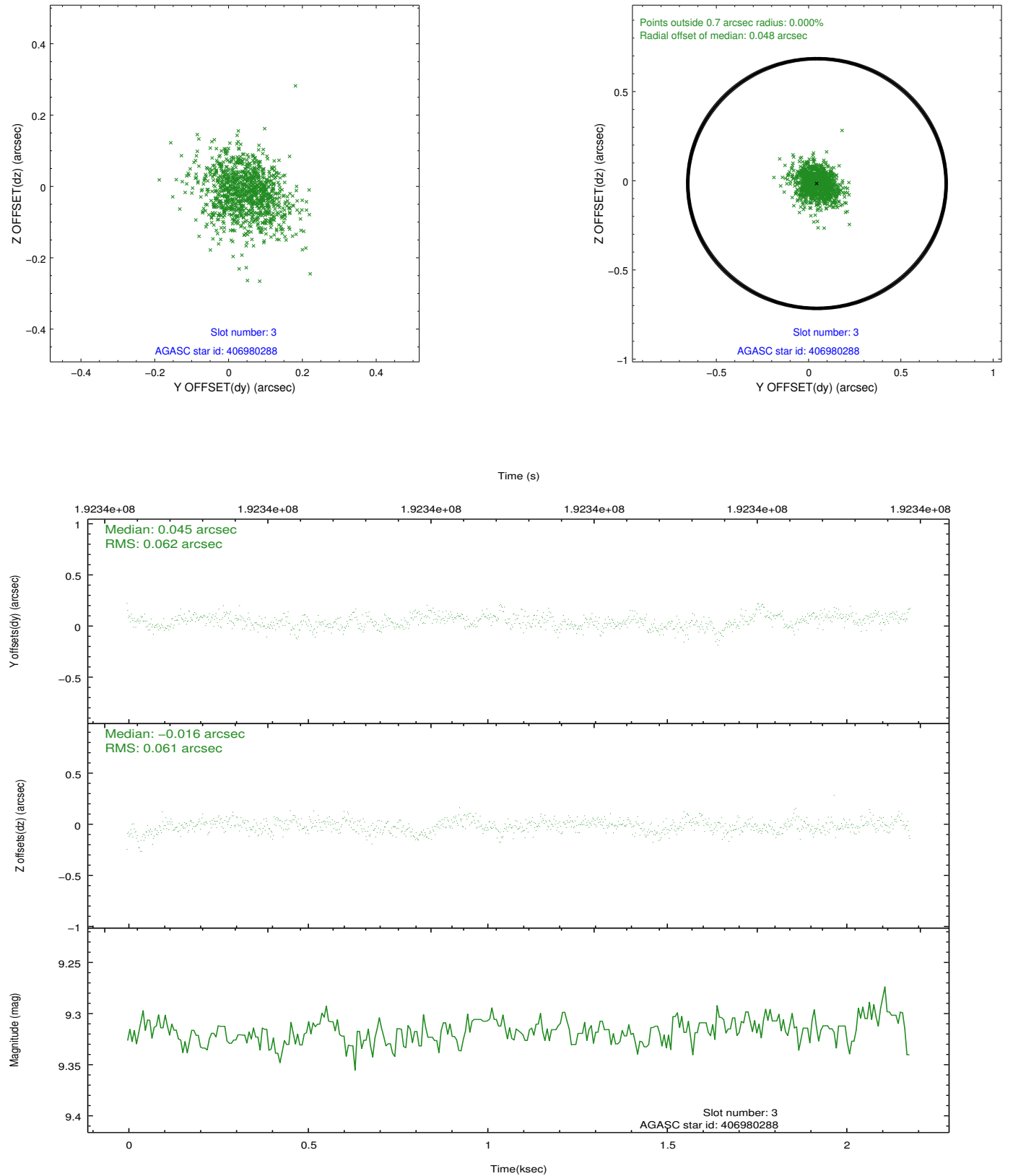
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.02	532	0.117	-0.081	0.012	0.082	0.000000	0.000000	1237.96	-453.20
1	FID	HRC-S-3	7.03	532	0.060	-0.106	0.007	0.030	0.000000	0.000000	-1162.15	568.14
2	FID	HRC-S-4	7.01	532	0.229	-0.109	0.012	0.086	0.000000	0.000000	1234.48	572.59
3	GUIDE	406980288	9.32	1065	0.045	-0.016	0.090	0.158	278.903147	39.061646	-566.54	1421.48
4	GUIDE	406983600	8.92	1065	0.004	0.055	0.073	0.113	279.940957	39.020708	1521.48	-596.72
5	GUIDE	406985120	7.42	1065	-0.058	-0.025	0.069	0.113	278.839732	38.894839	-1096.90	1087.98
6	GUIDE	406989616	8.23	1065	-0.002	0.031	0.067	0.108	279.202881	38.520843	-1223.12	-595.09
7	GUIDE	407521232	8.64	1063	0.008	-0.039	0.072	0.118	279.628883	39.431715	1831.06	1090.20

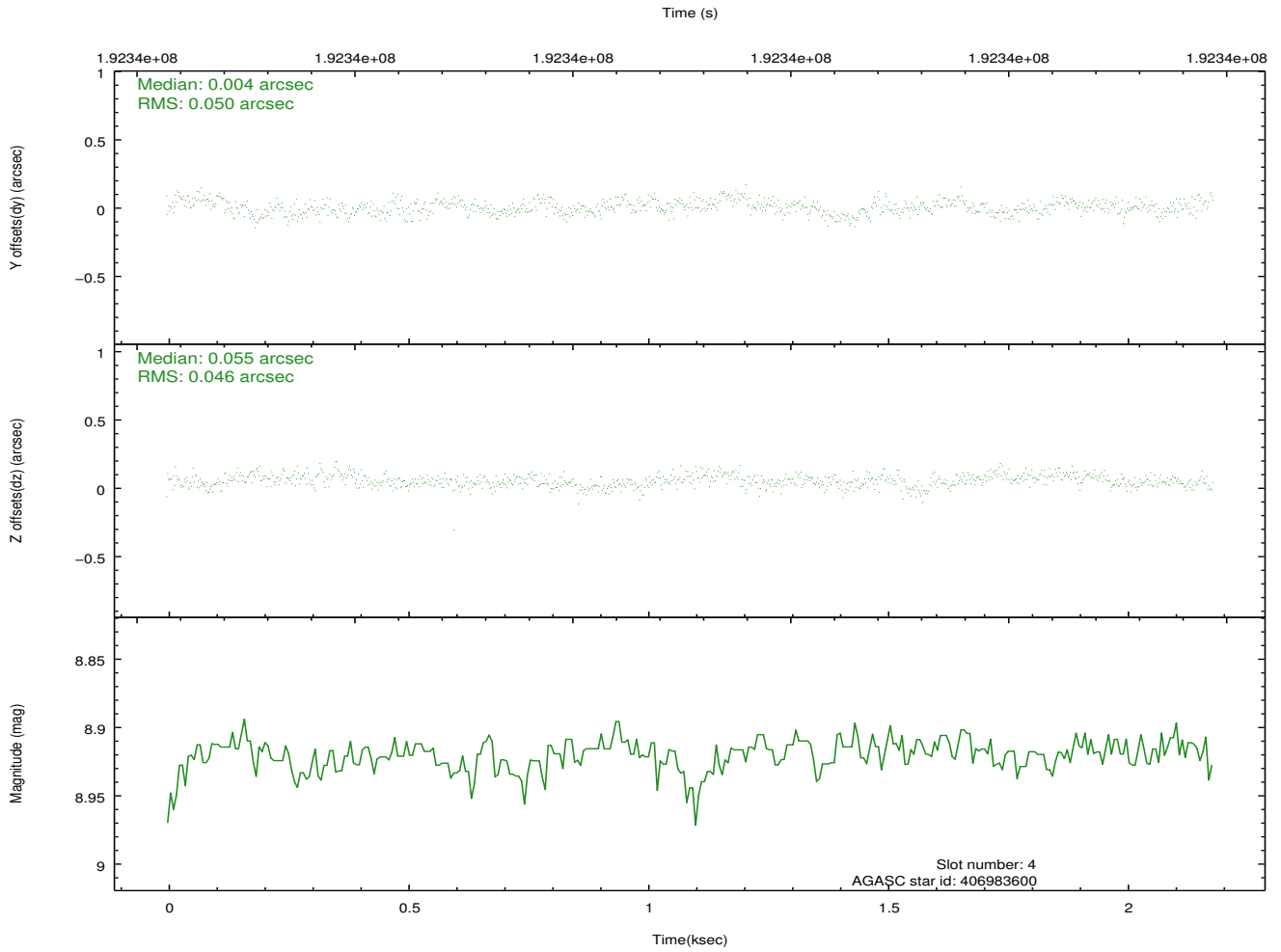
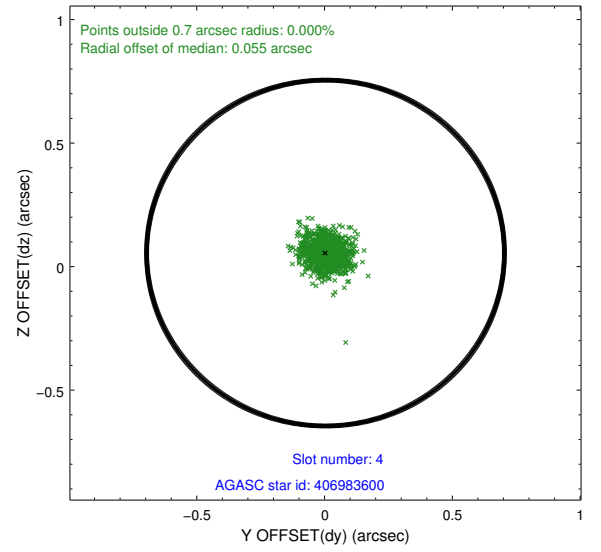
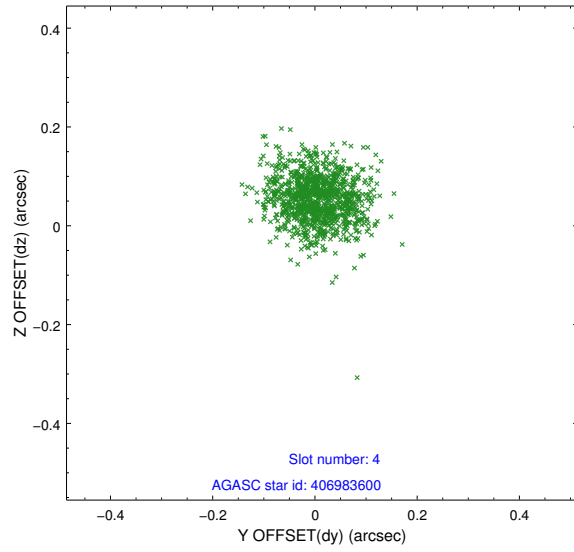


## 2.4 Star Slots

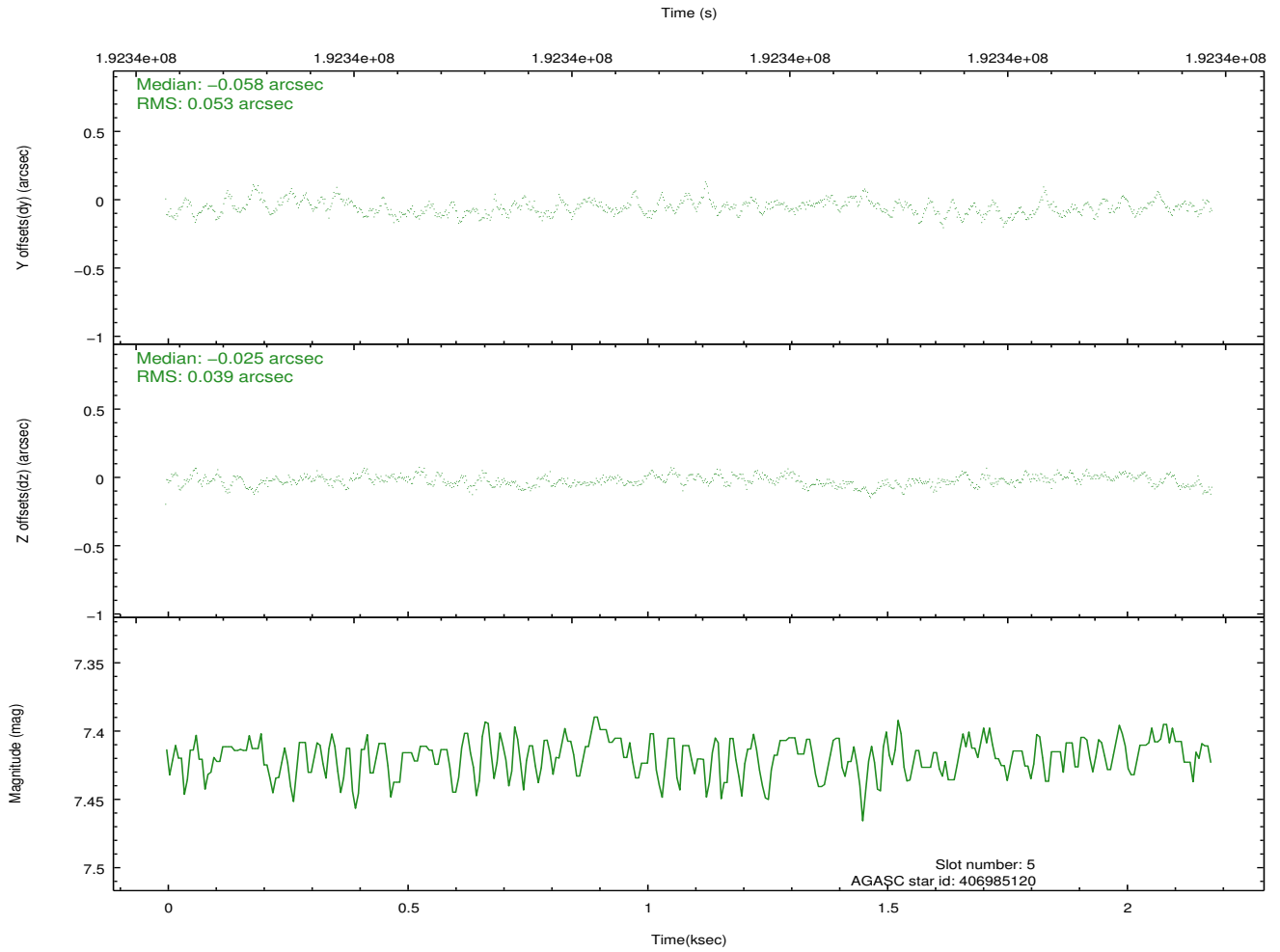
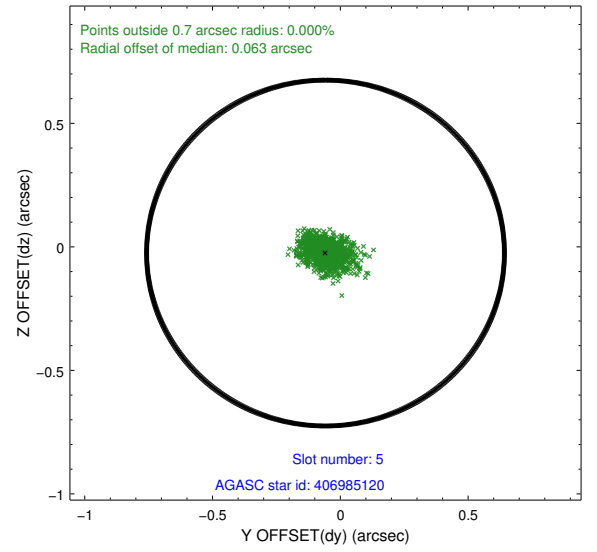
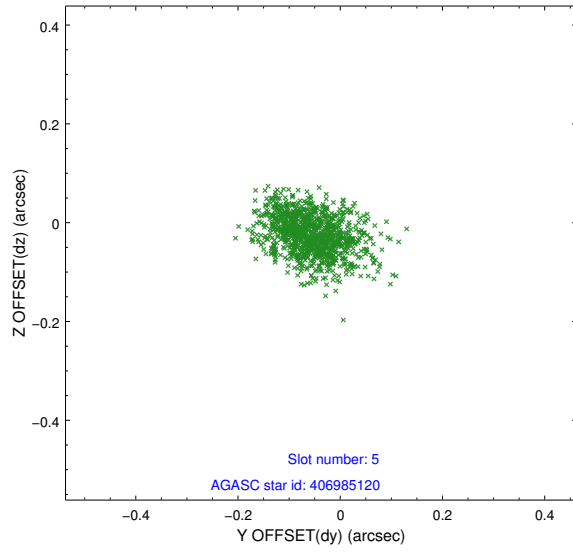
### 2.4.1 Slot 3



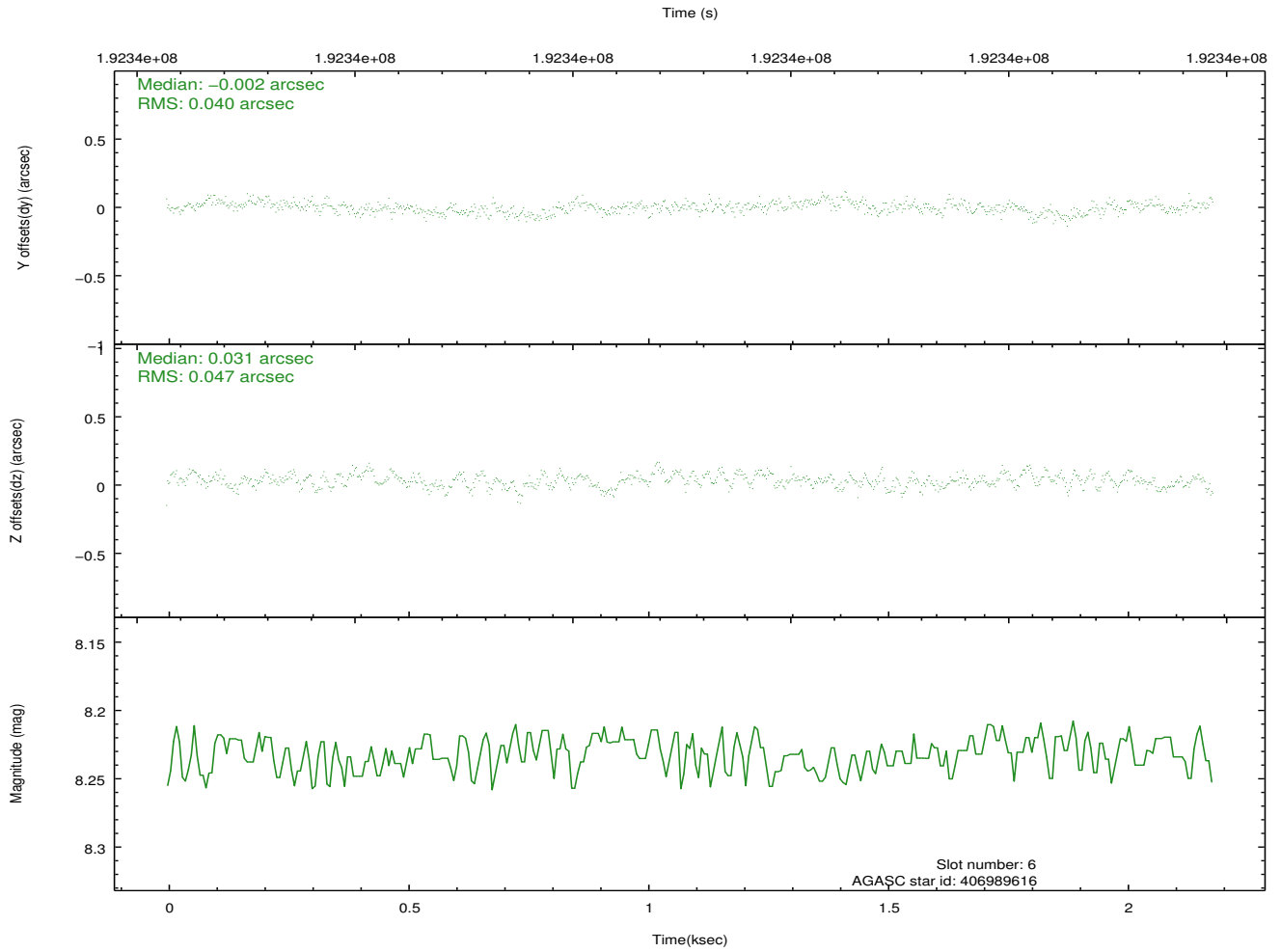
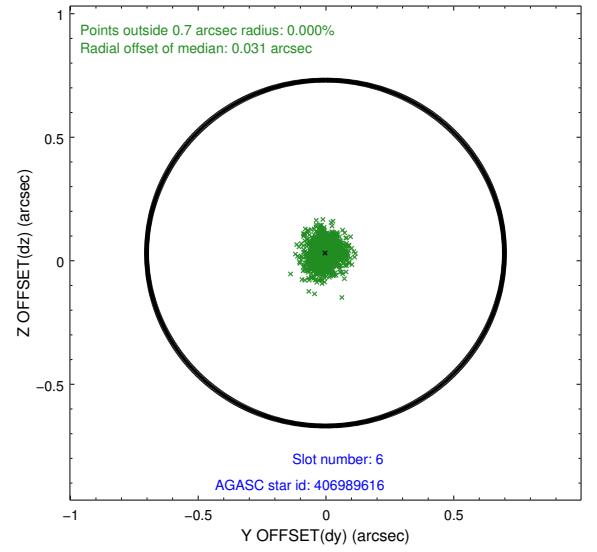
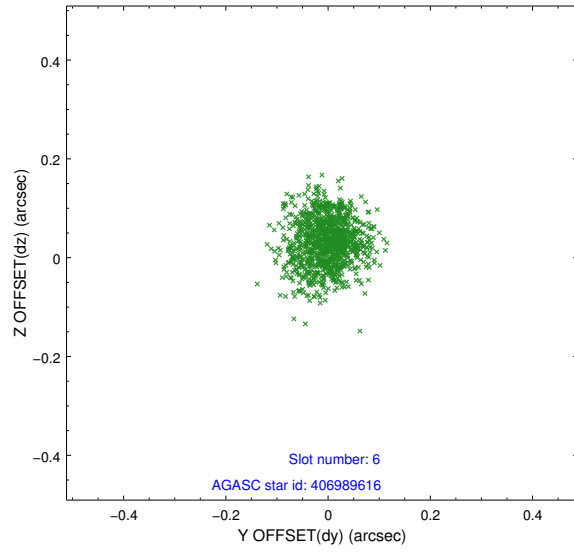
## 2.4.2 Slot 4



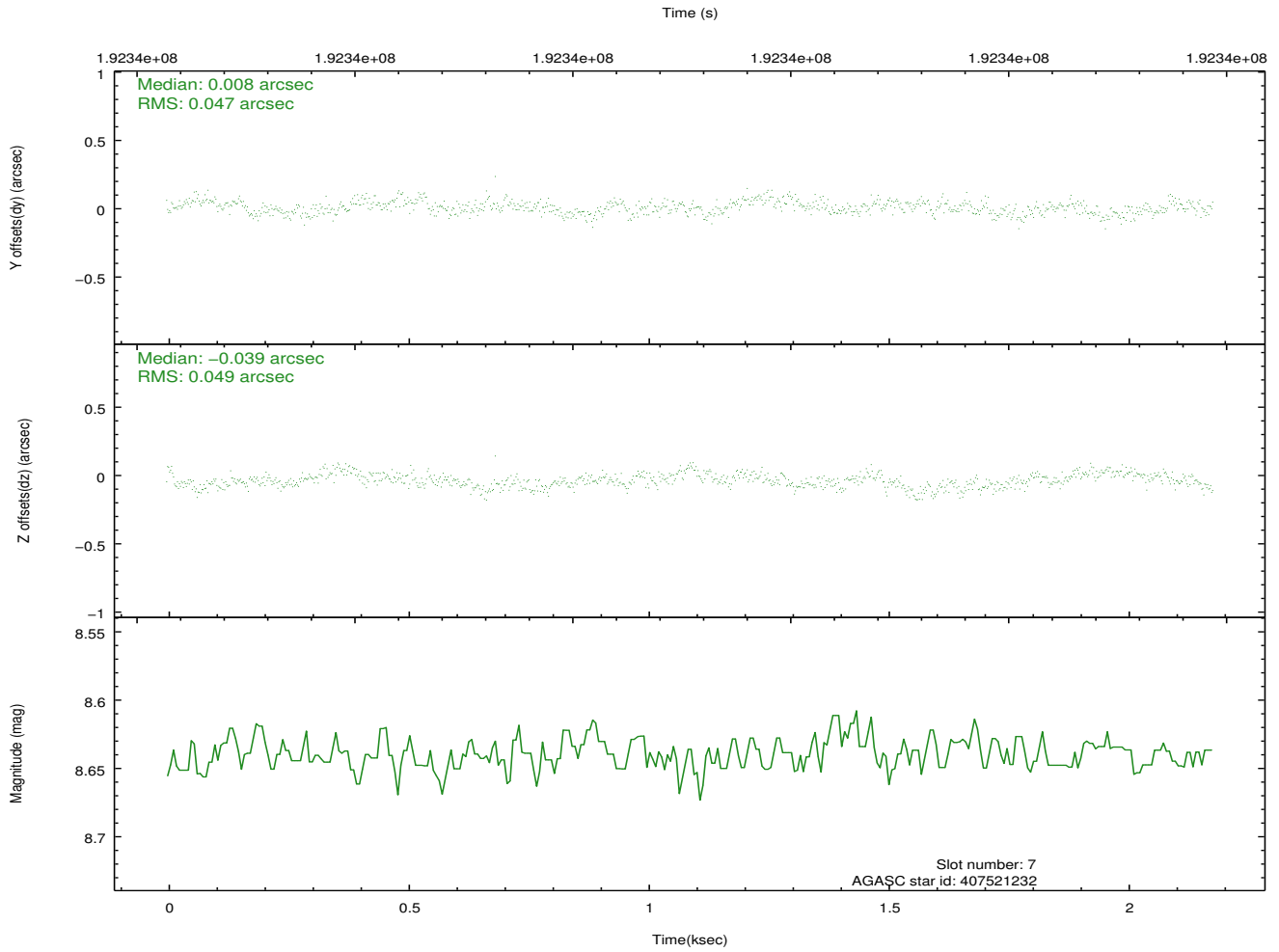
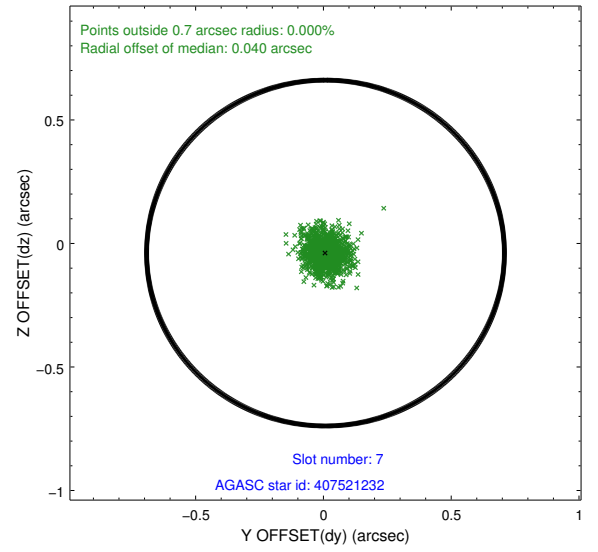
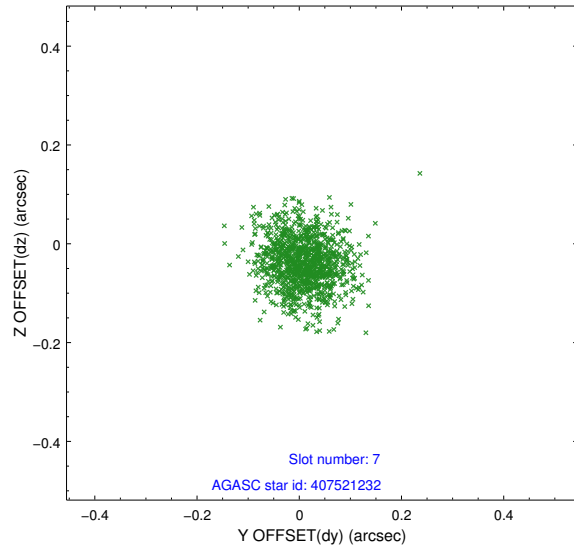
### 2.4.3 Slot 5



## 2.4.4 Slot 6

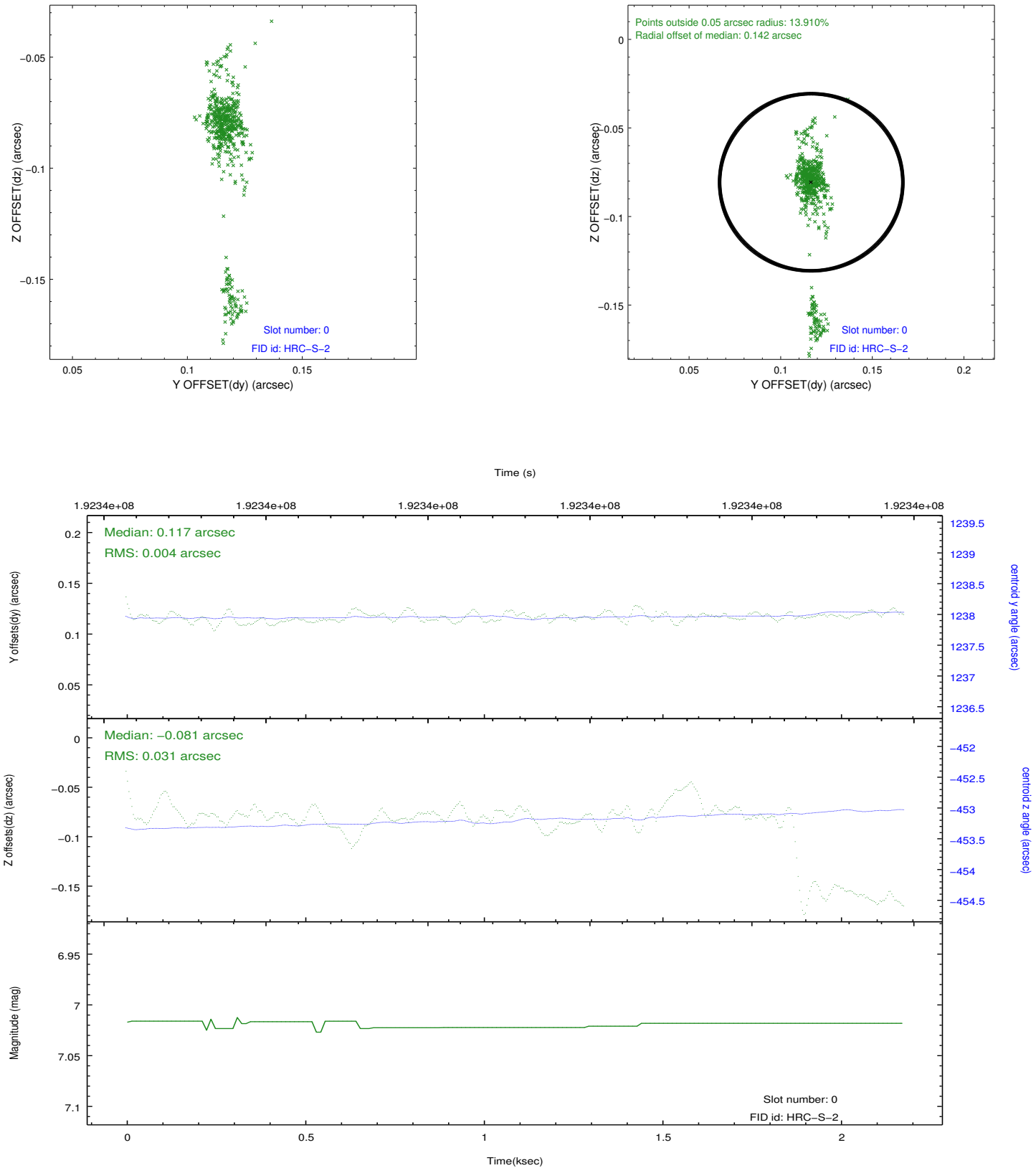


## 2.4.5 Slot 7

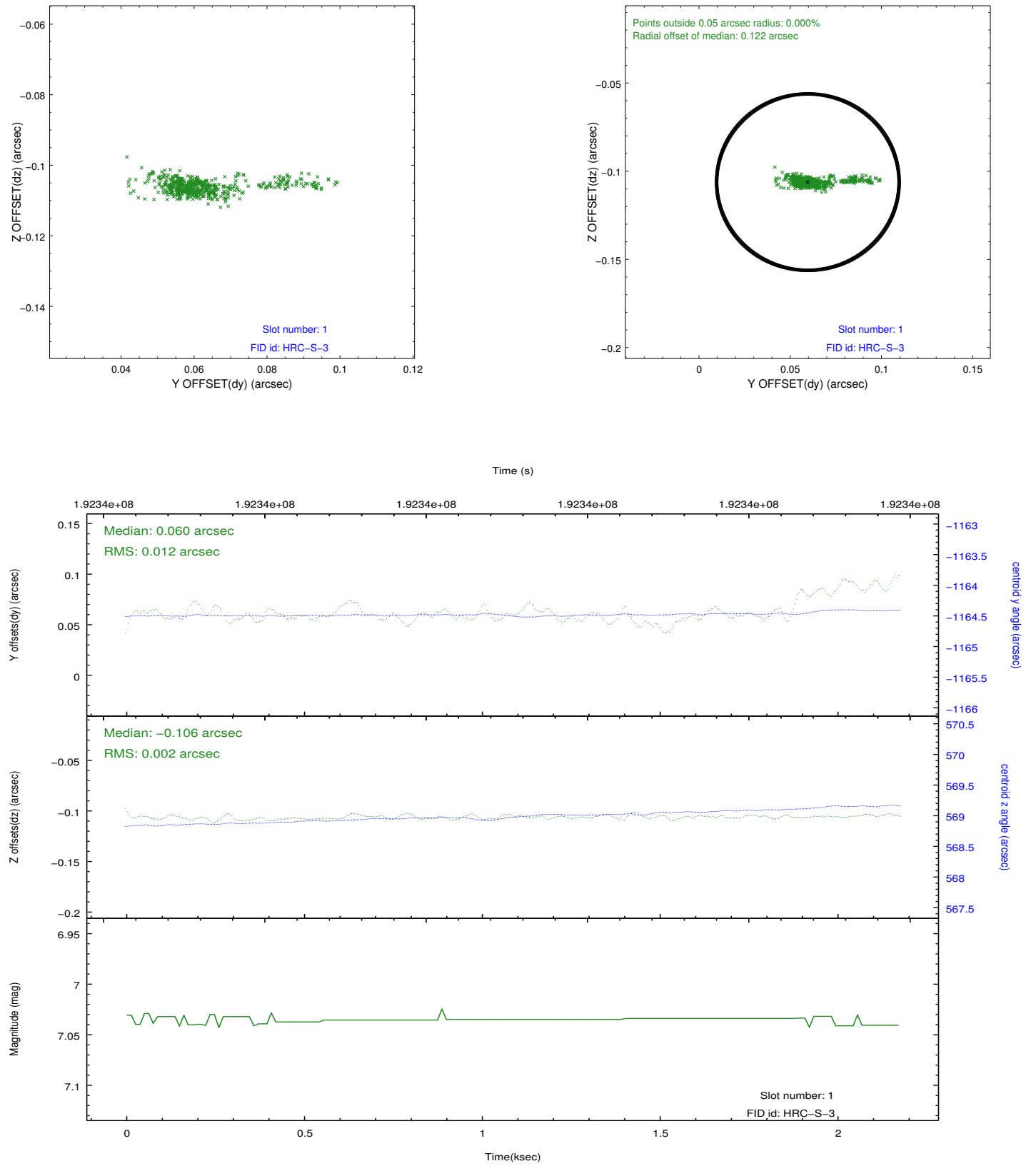


## 2.5 FID Slots

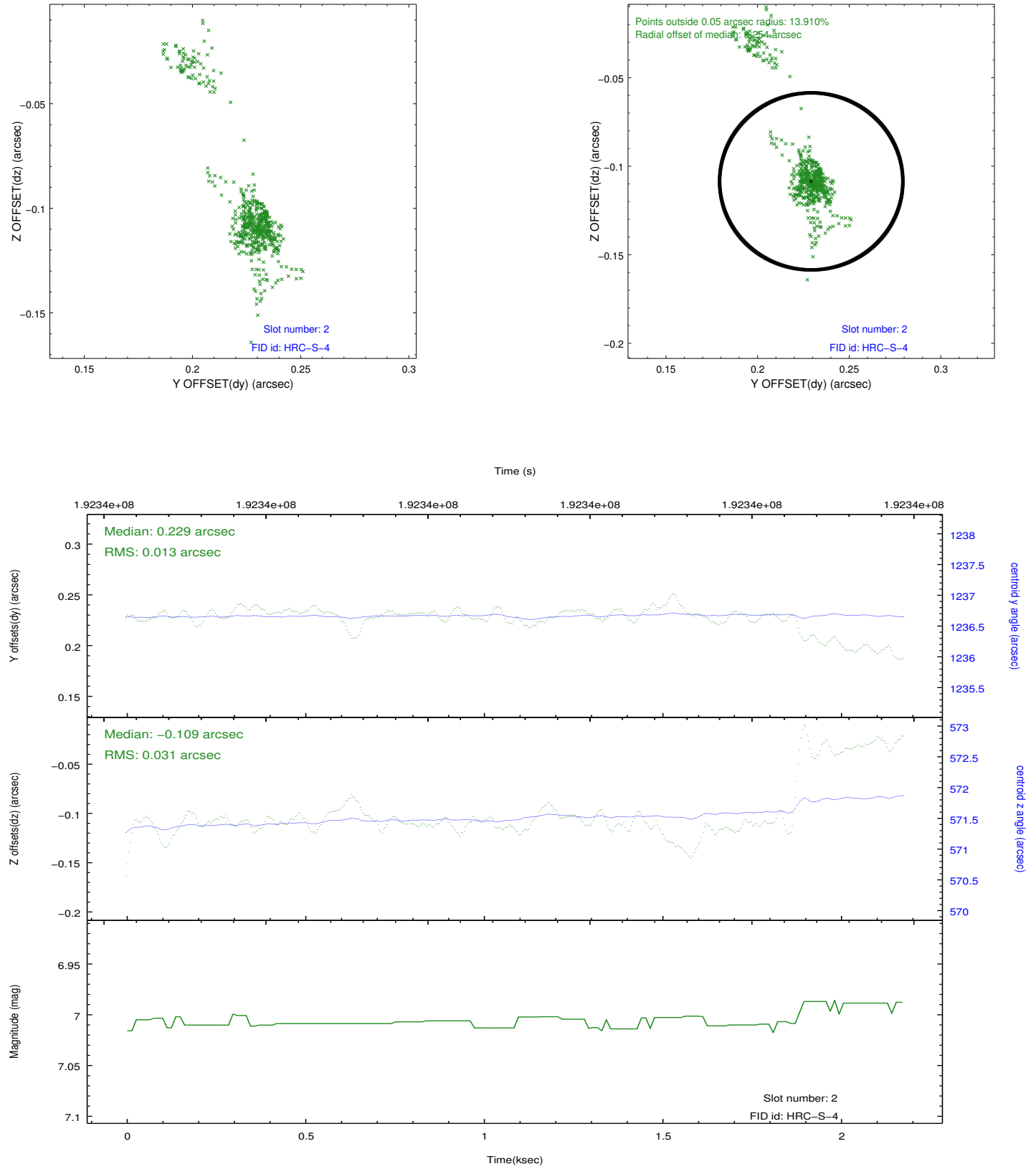
### 2.5.1 Slot 0



## 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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.142

### A.2 Comments

Window constraint met.