

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 14254 - L2 Version 3  
Chandra X-Ray Center

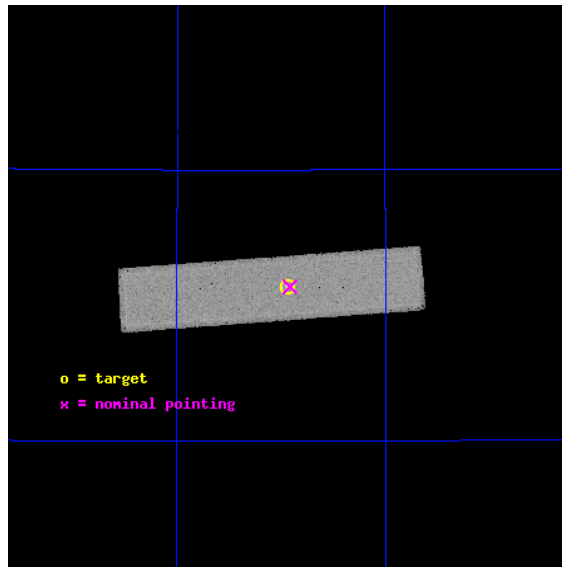
L2 Processing Date : Aug 10 2012

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# 1 Front

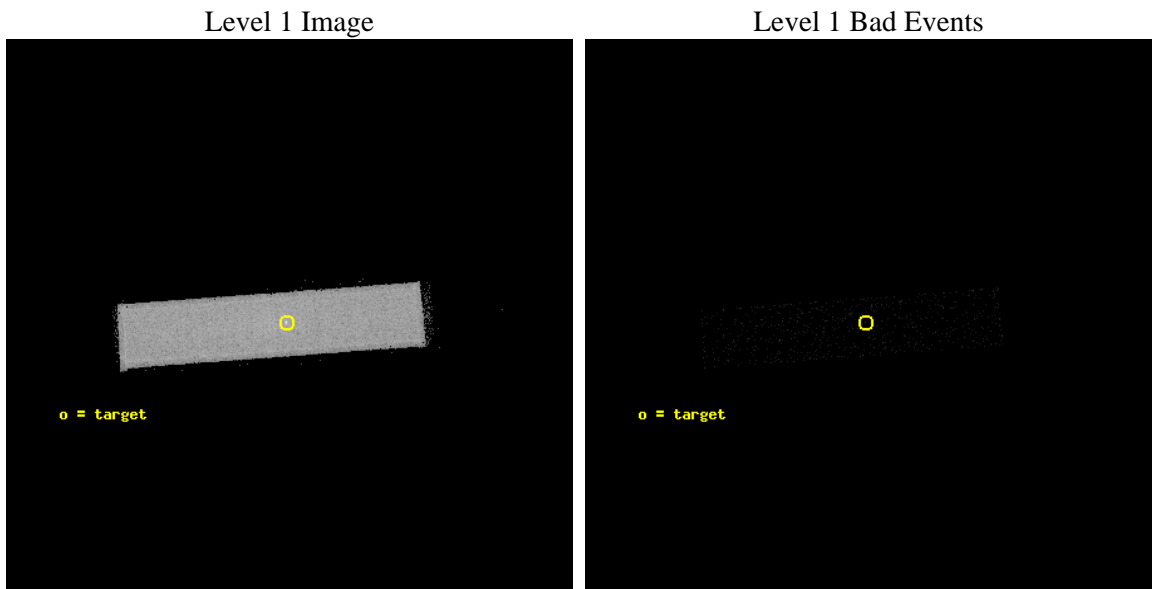
seq_num	291027	Sequence number
obs_id	14254	Observation id
title	AO-13 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.22893569936	Nominal RA [deg]
dec_nom	38.78454008797	Nominal Dec [deg]
roll_nom	175.66275084558	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2143.5313643217	[s]
livetime	2129.0579375745	Ontime multiplied by DTCOR
l2events	93399	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	2143.5313643217	[s]
caldbver	4.5.1.1	&#160	l1events	215392	Number of level 1 events
date	2012-08-10T06:21:38	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

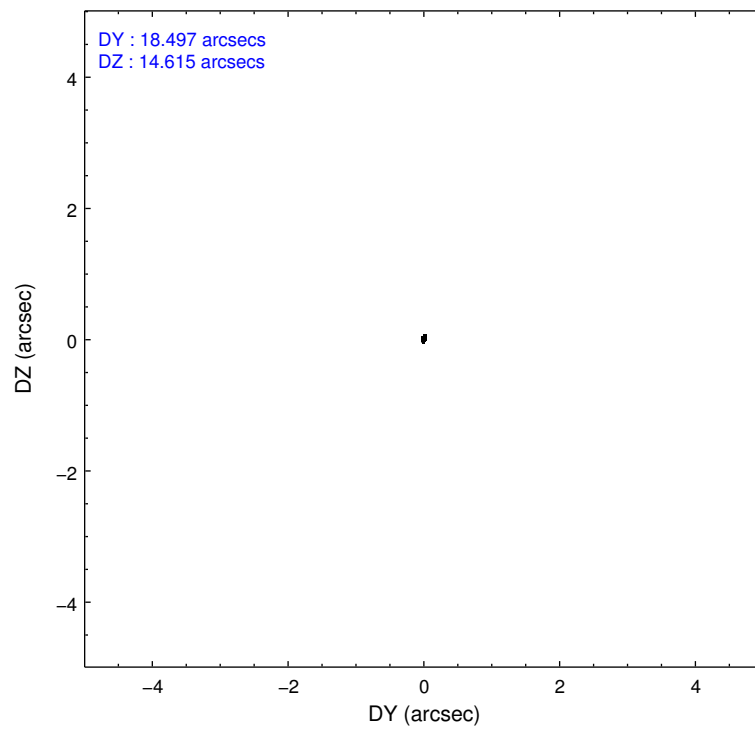
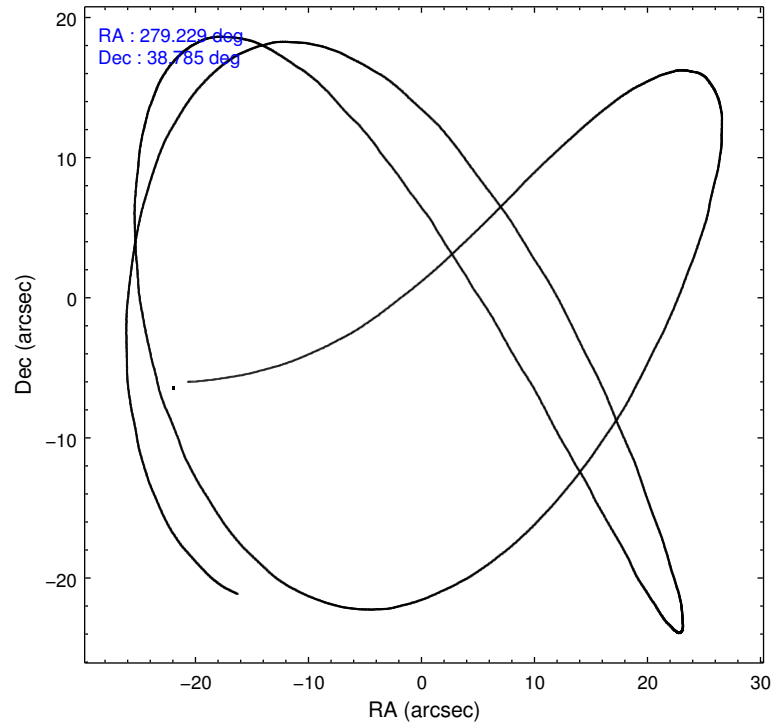
Level 1 Events

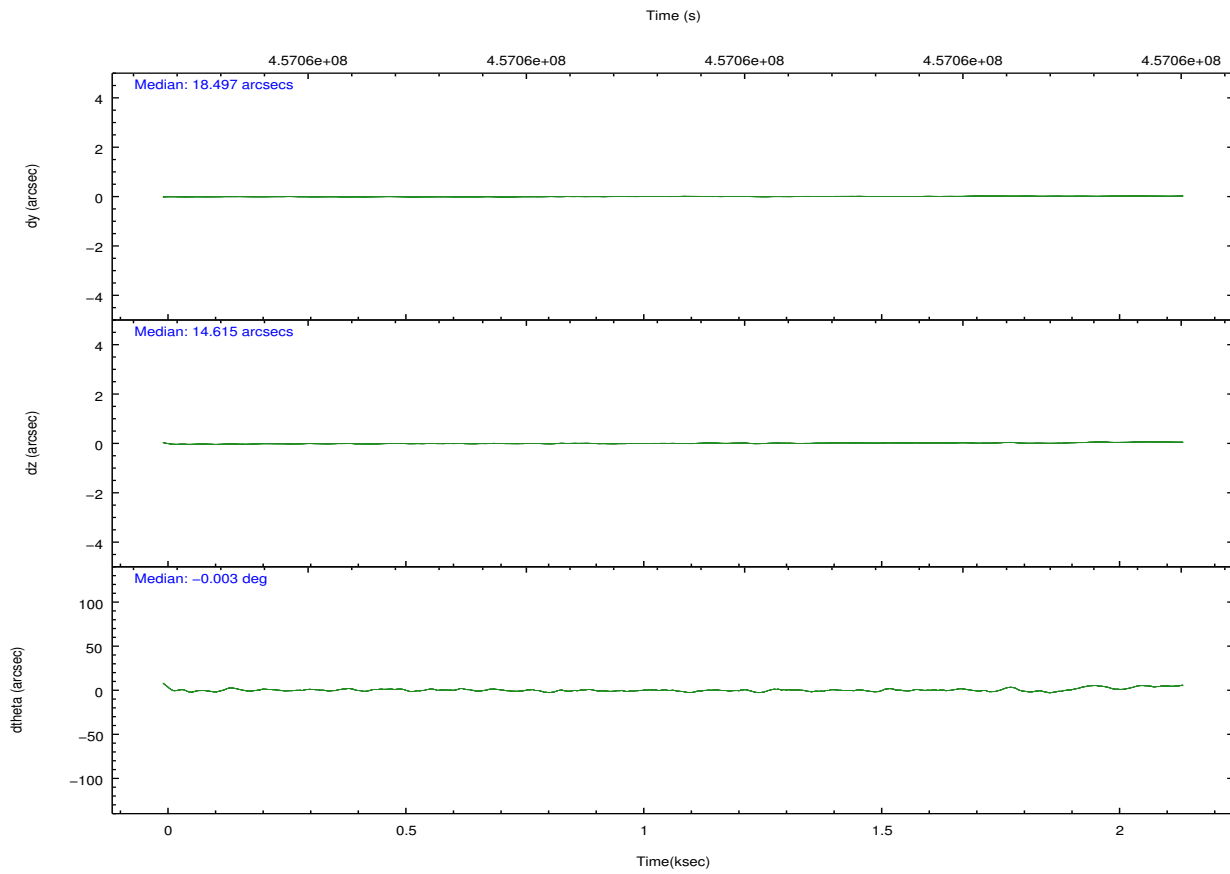
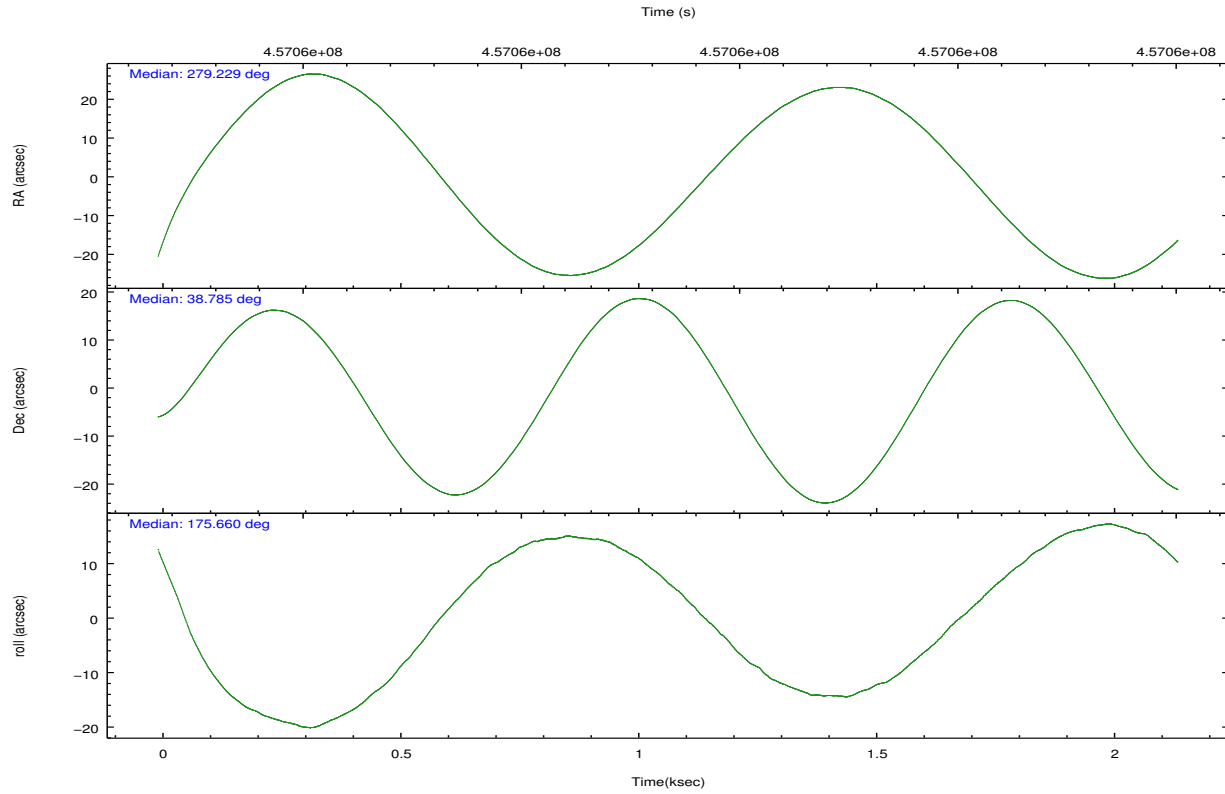
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	2	215382	8
rejected events	2	97395	8
rejected %	100%	45%	100%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	279.261275	279.2289356993583			
[deg] Pointing Dec	38.797905	38.7845400879697			
[deg] Pointing Roll	175.575105	175.6627508455779			
[s] Window start time (MET)	454896066.184000	454896066.184000			
[s] Window stop time (MET)	460080067.184000	460080067.184000			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	457055398.184000	457053738.02815			
Observation start date	2012-06-25T23:48:52	2012-06-25T23:22:18			
[s] Observation end time (MET)	457057398.184000	457058207.54089			
Observation end date	2012-06-26T00:22:12	2012-06-26T00:36:47			

## 2.3 Aspect



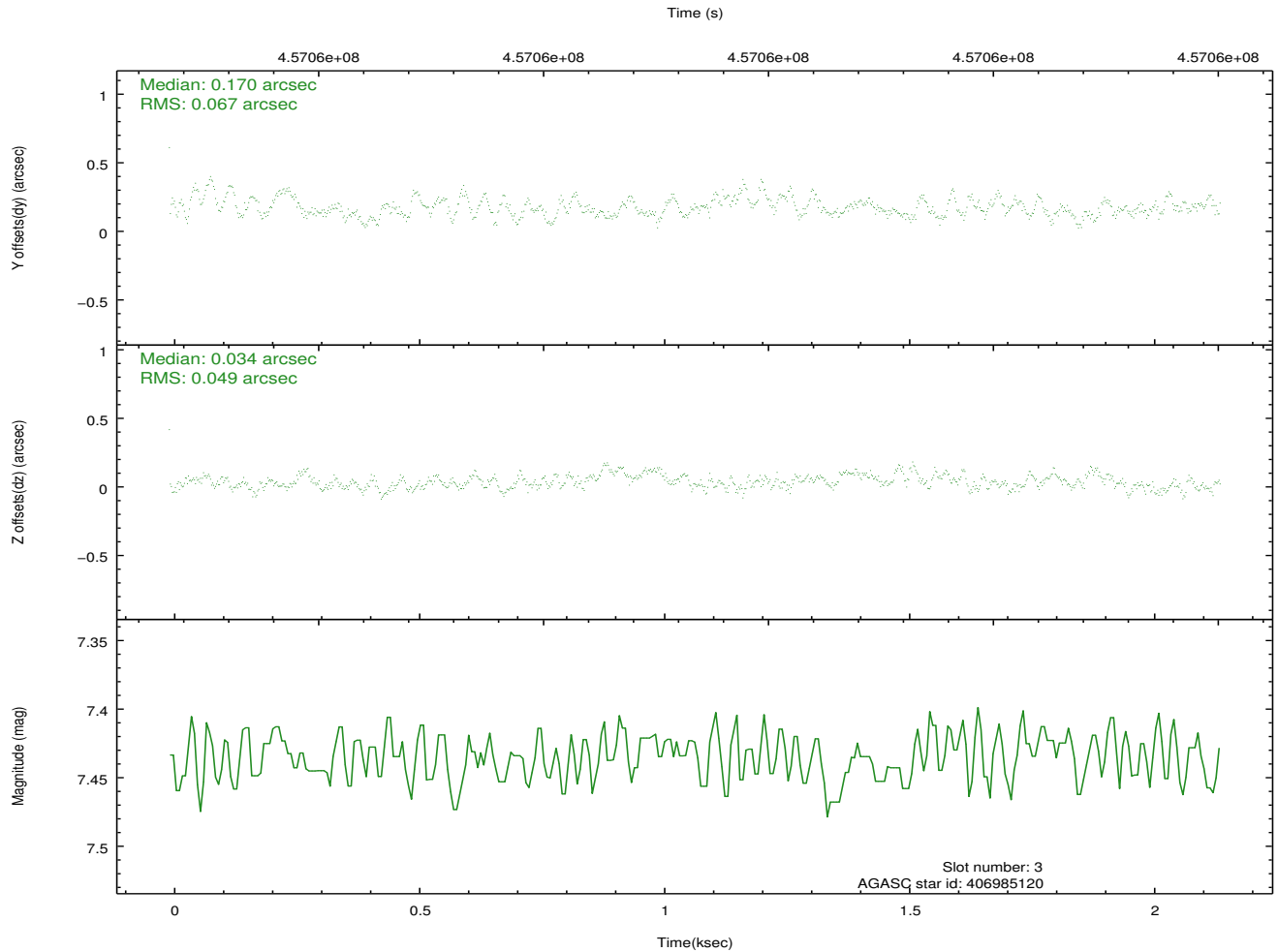
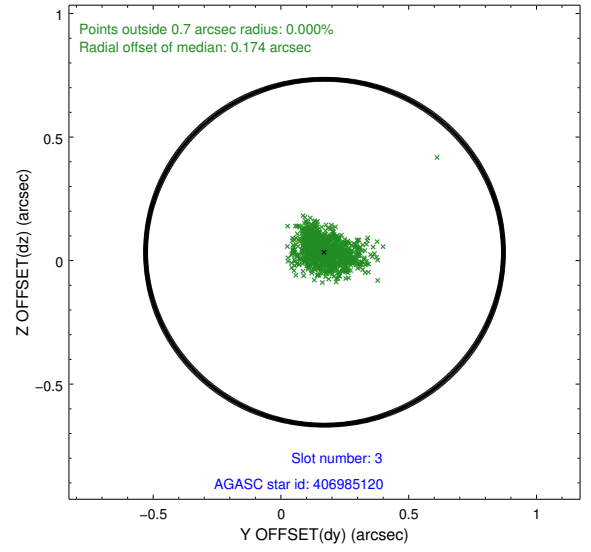
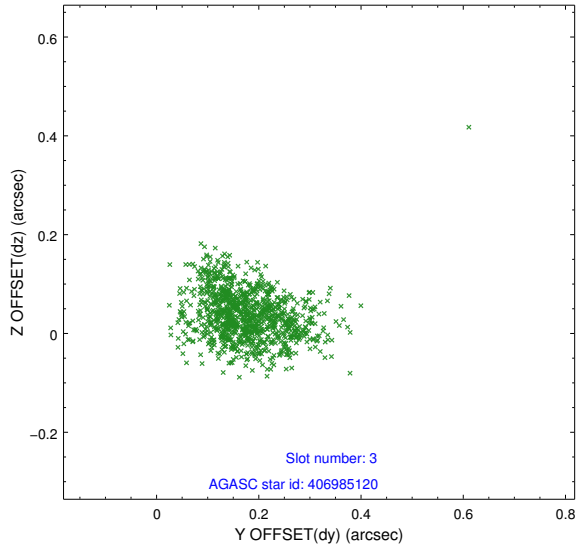


### Slot Statistics

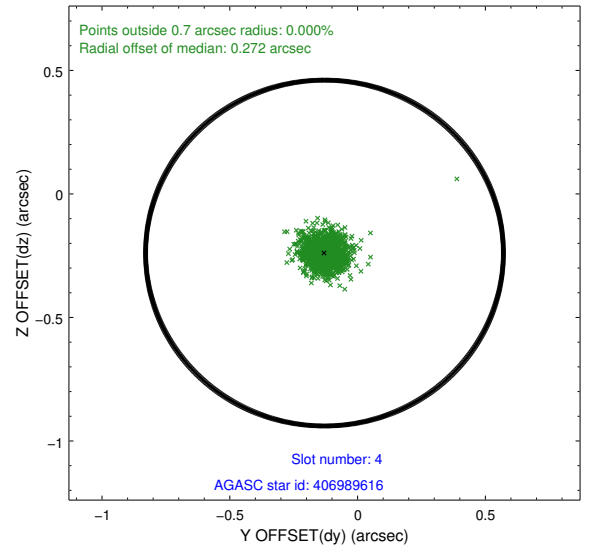
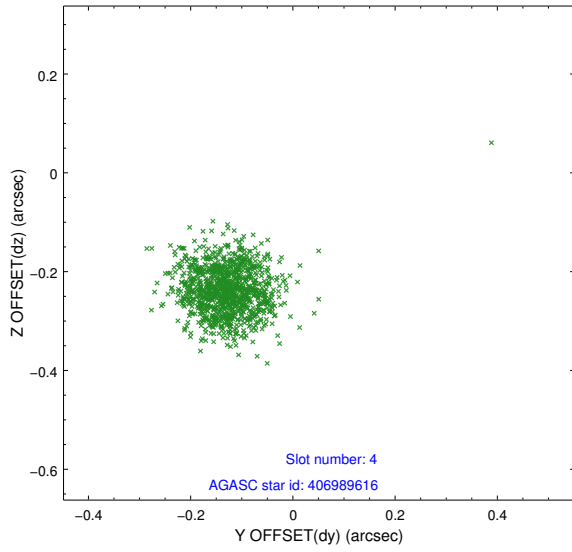
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	524	0.017	-0.252	0.007	0.011	0.000000	0.000000	-1173.06	-463.50
1	FID	HRC-S-3	7.04	523	0.060	0.006	0.008	0.012	0.000000	0.000000	-1177.97	565.39
2	FID	HRC-S-4	6.99	523	0.309	-0.052	0.005	0.009	0.000000	0.000000	1223.23	569.84
3	GUIDE	406985120	7.43	1047	0.170	0.034	0.086	0.140	278.839732	38.894839	1205.20	-257.93
4	GUIDE	406989616	8.22	1047	-0.129	-0.239	0.073	0.115	279.202881	38.520843	88.29	1008.09
5	GUIDE	406987272	6.93	1047	-0.385	-0.395	0.076	0.113	278.536588	38.437504	1938.26	1444.77
6	GUIDE	407521232	8.64	1045	0.211	0.193	0.090	0.151	279.628883	39.431715	-840.51	-2352.82
7	GUIDE	407513096	8.13	1046	0.131	0.392	0.063	0.100	279.928965	39.436841	-1673.24	-2443.83

## 2.4 Star Slots

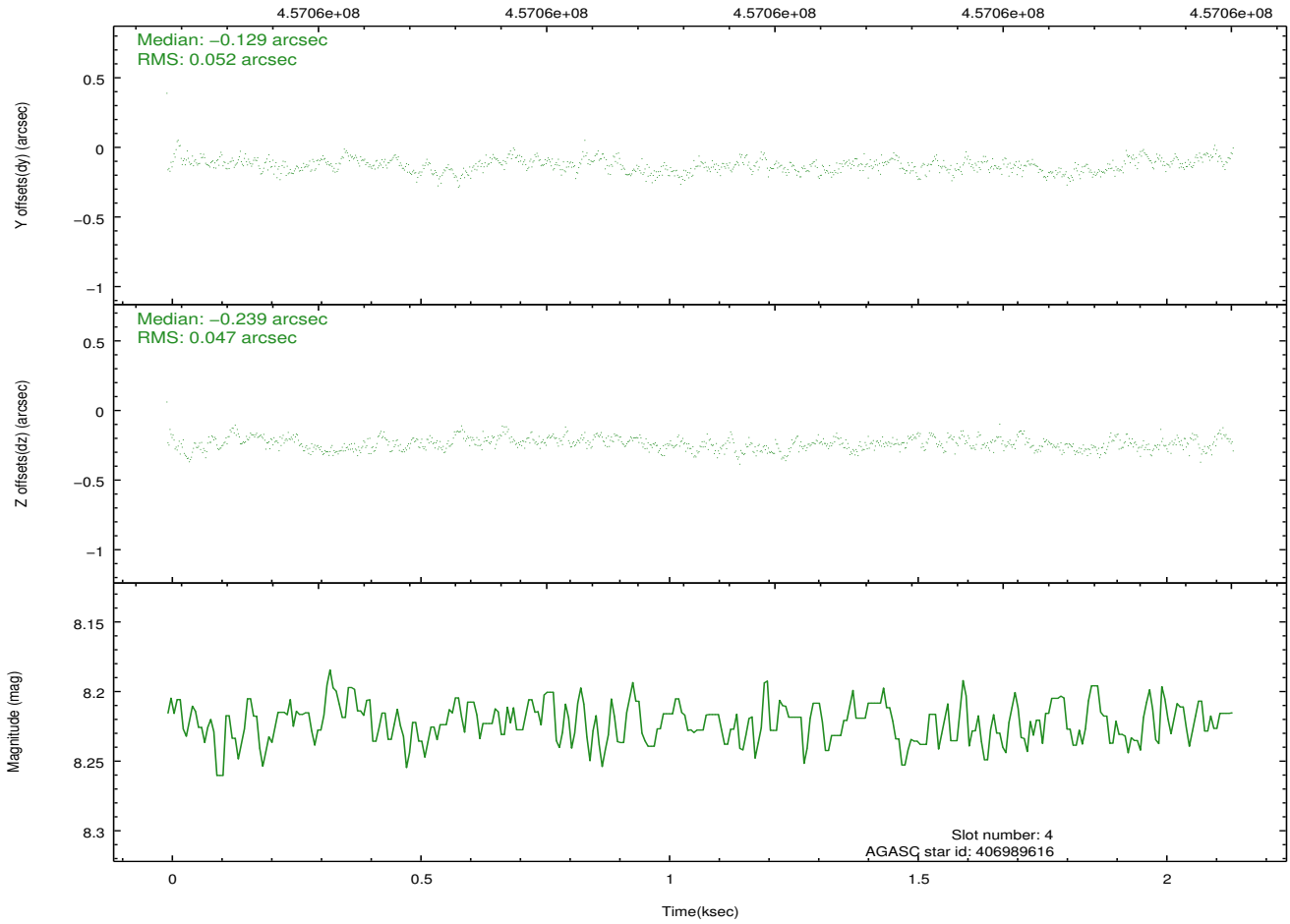
### 2.4.1 Slot 3



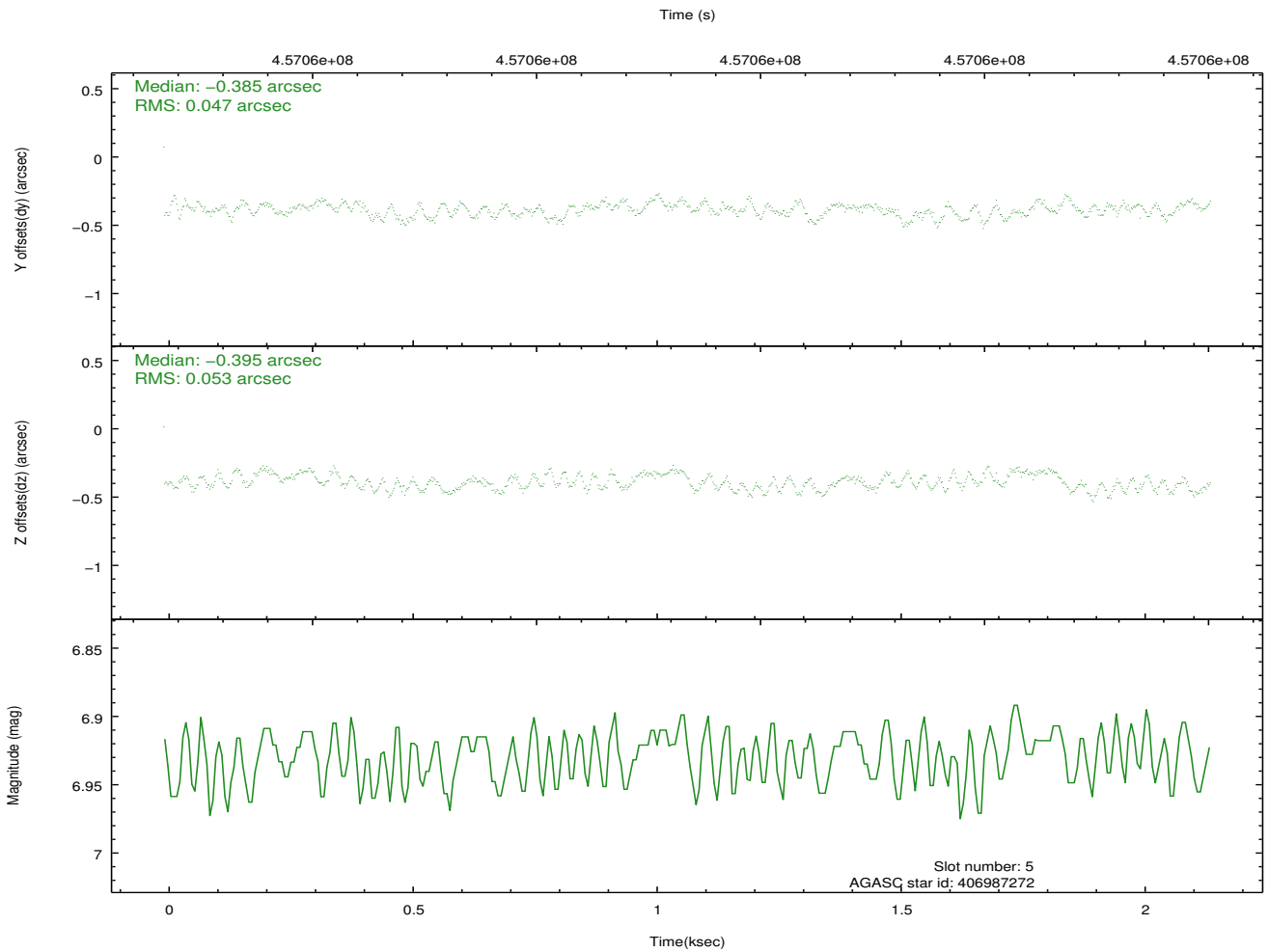
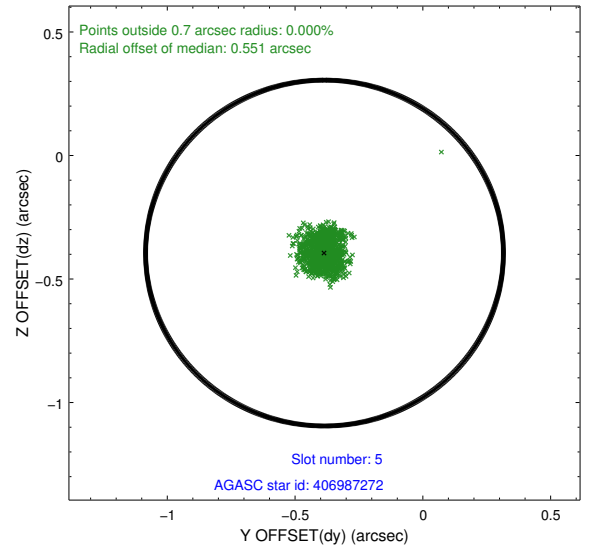
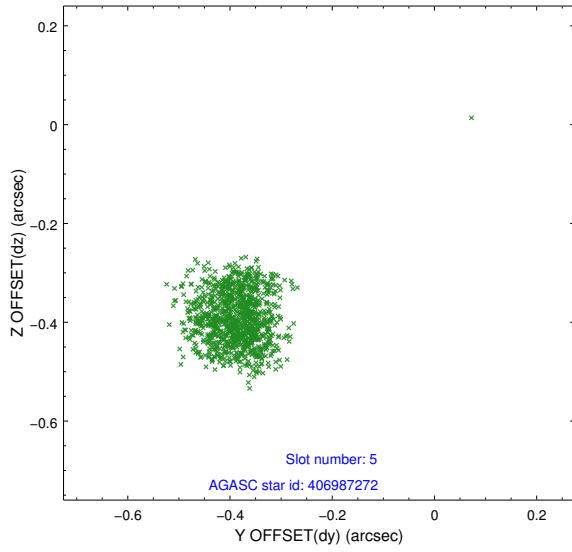
## 2.4.2 Slot 4



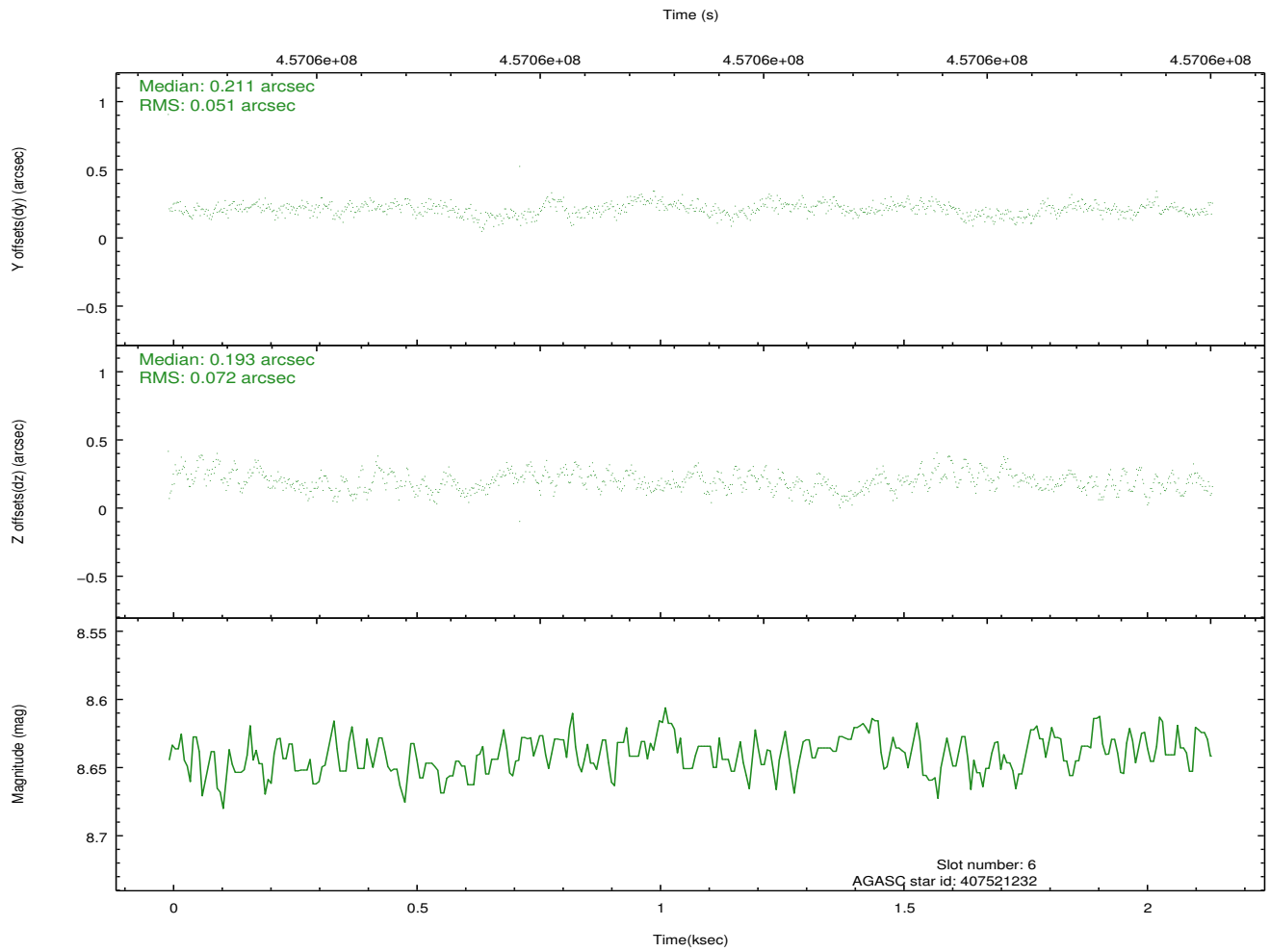
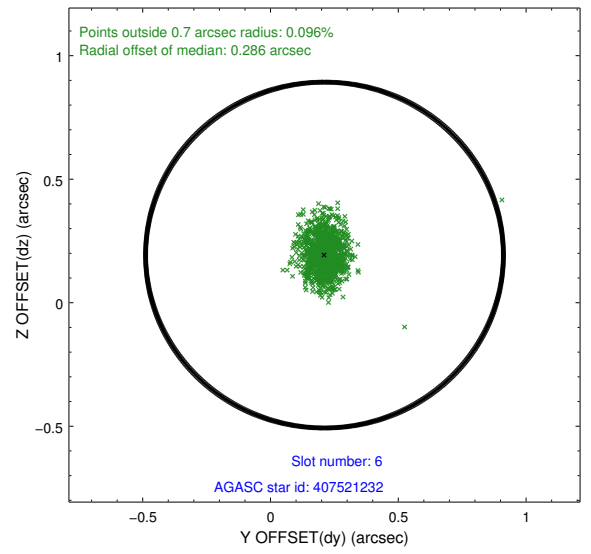
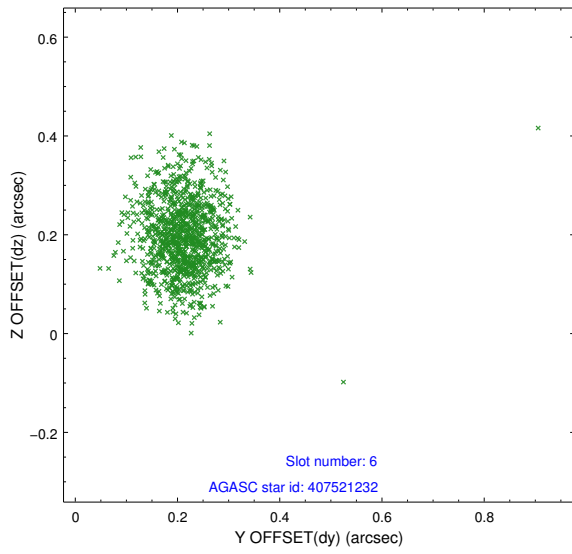
Time (s)



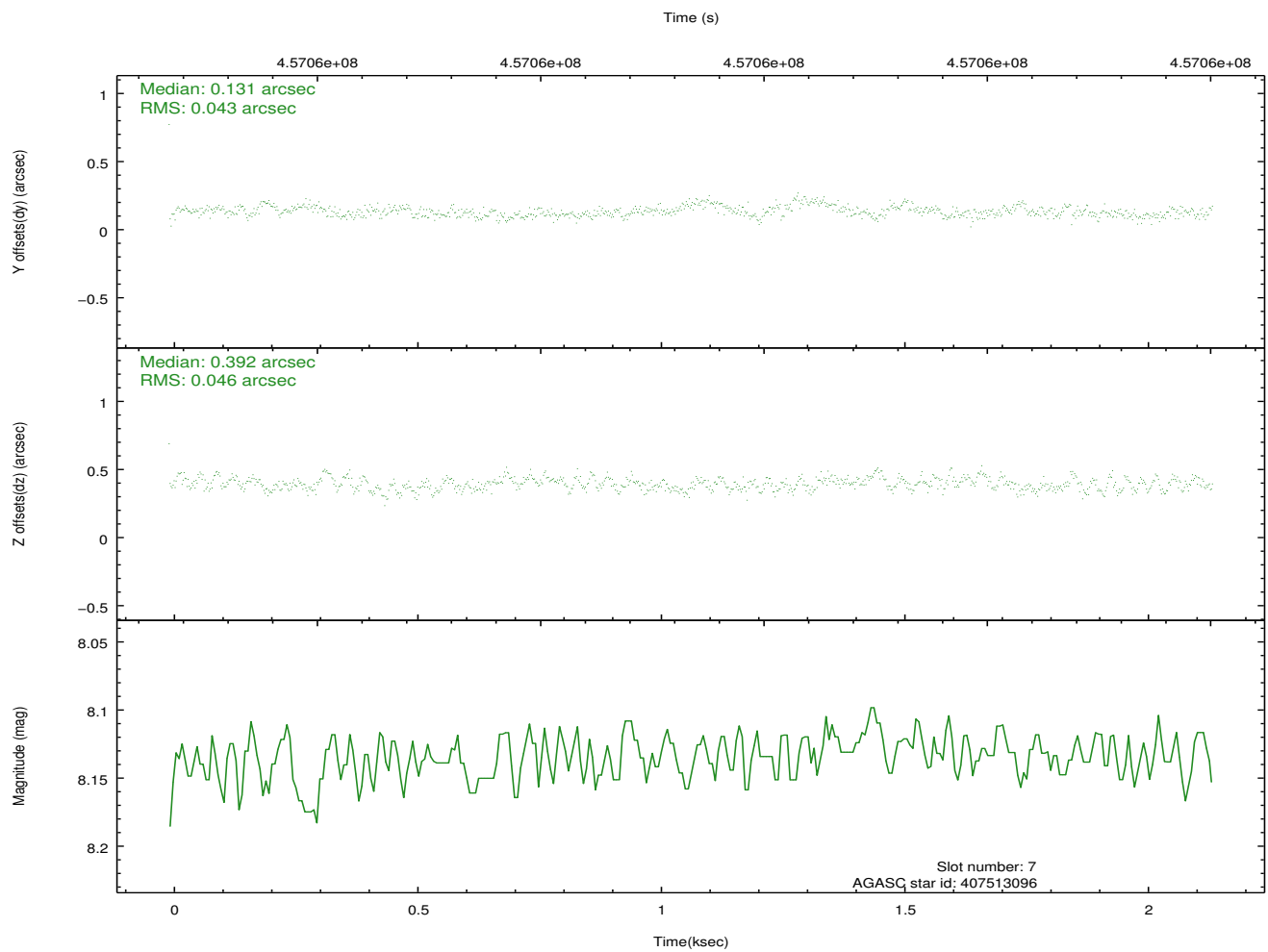
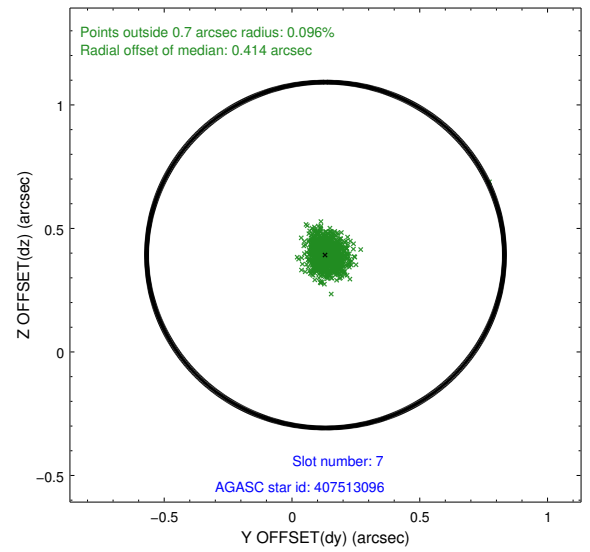
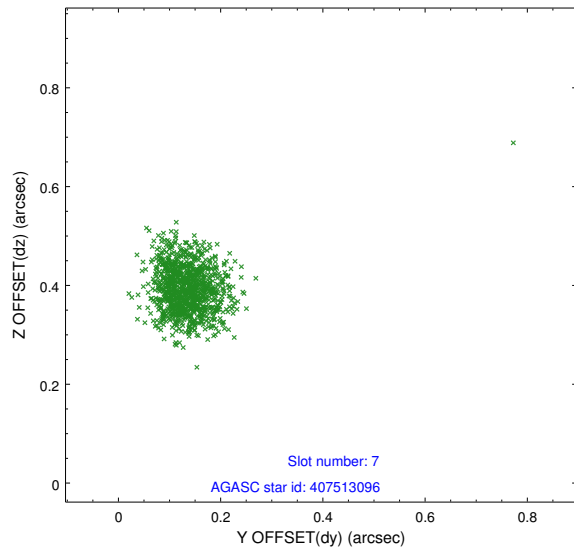
### 2.4.3 Slot 5



### 2.4.4 Slot 6

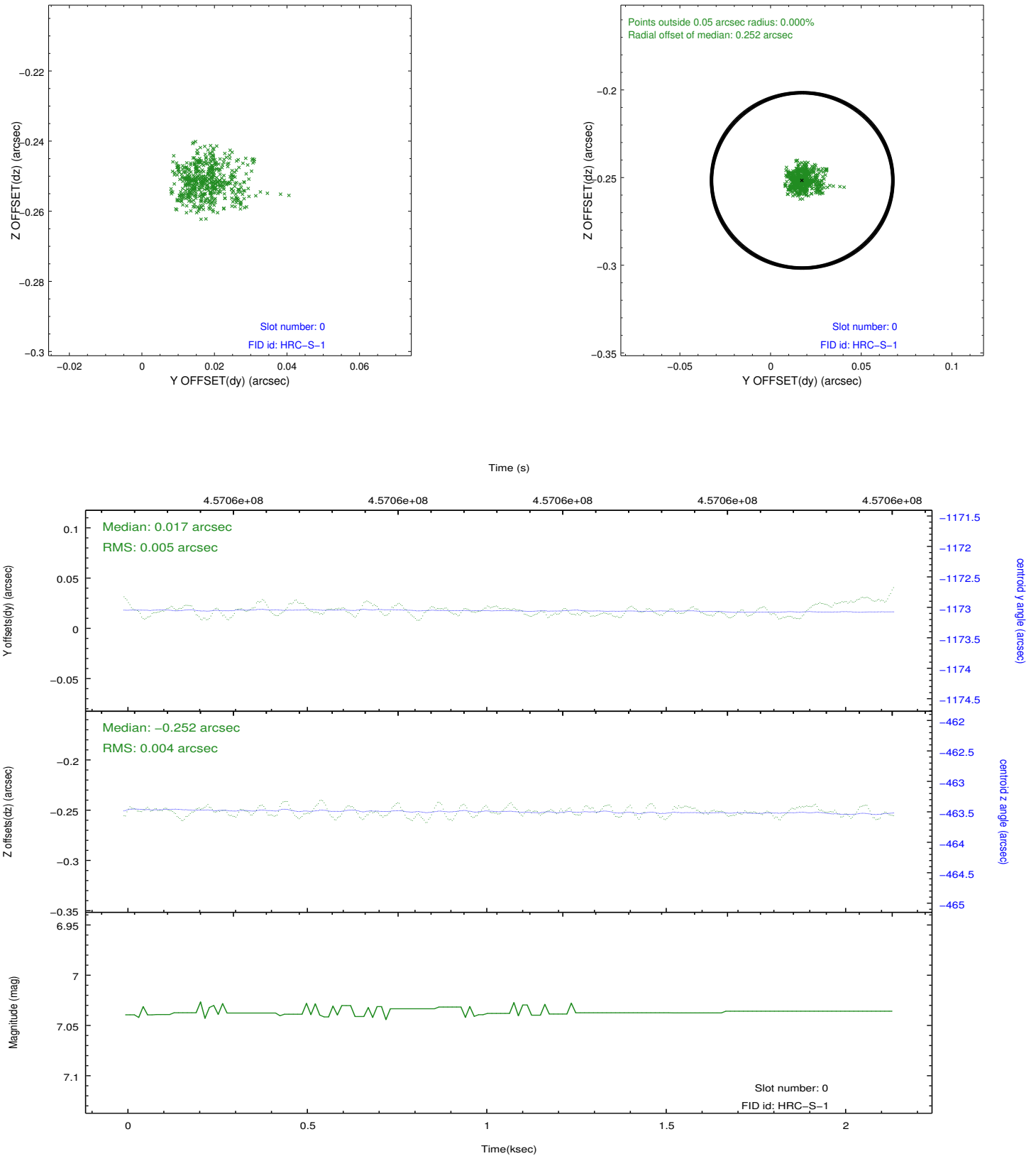


## 2.4.5 Slot 7

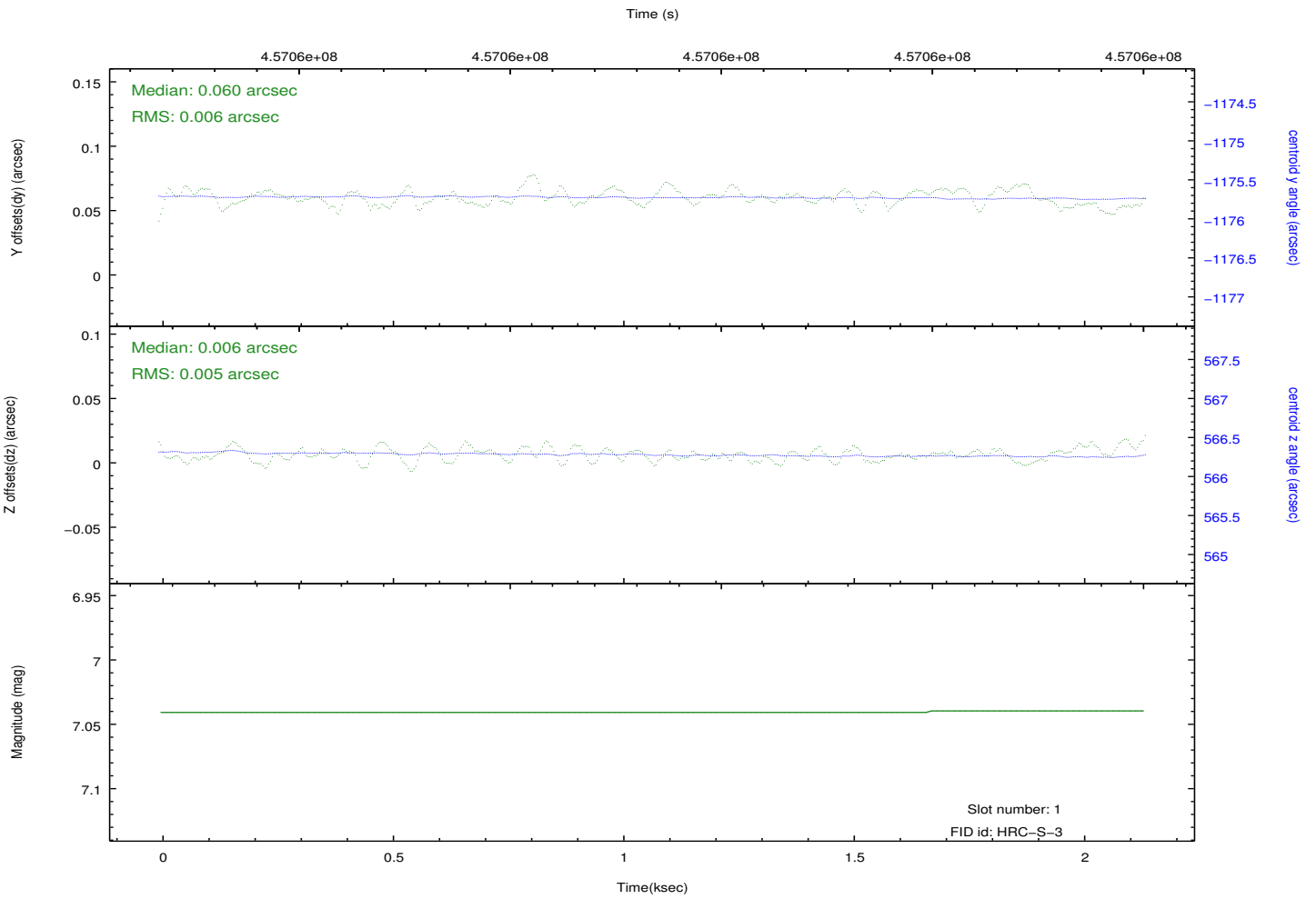
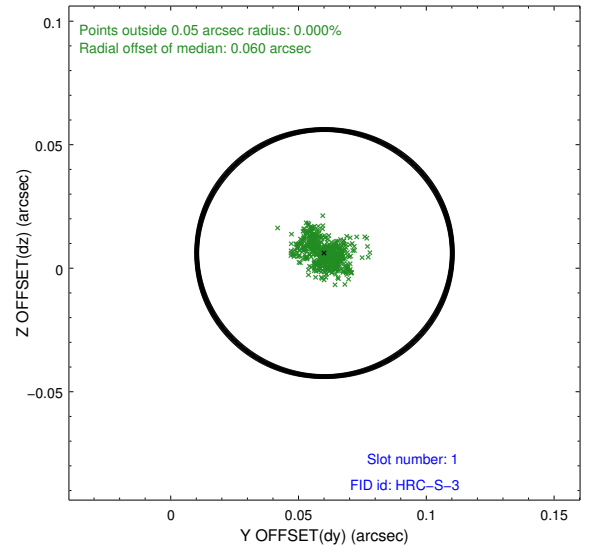
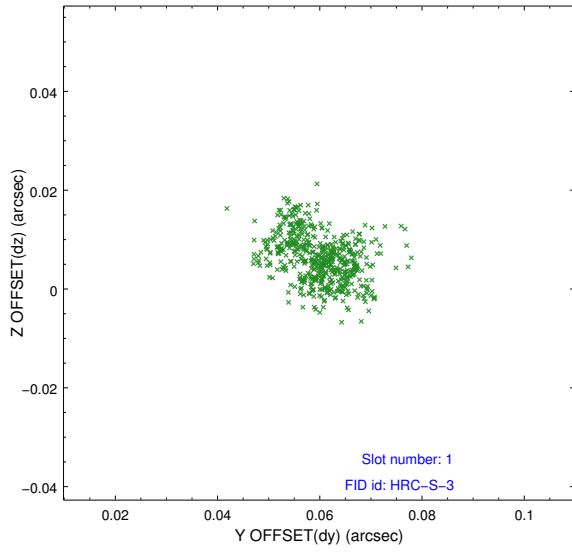


## 2.5 FID Slots

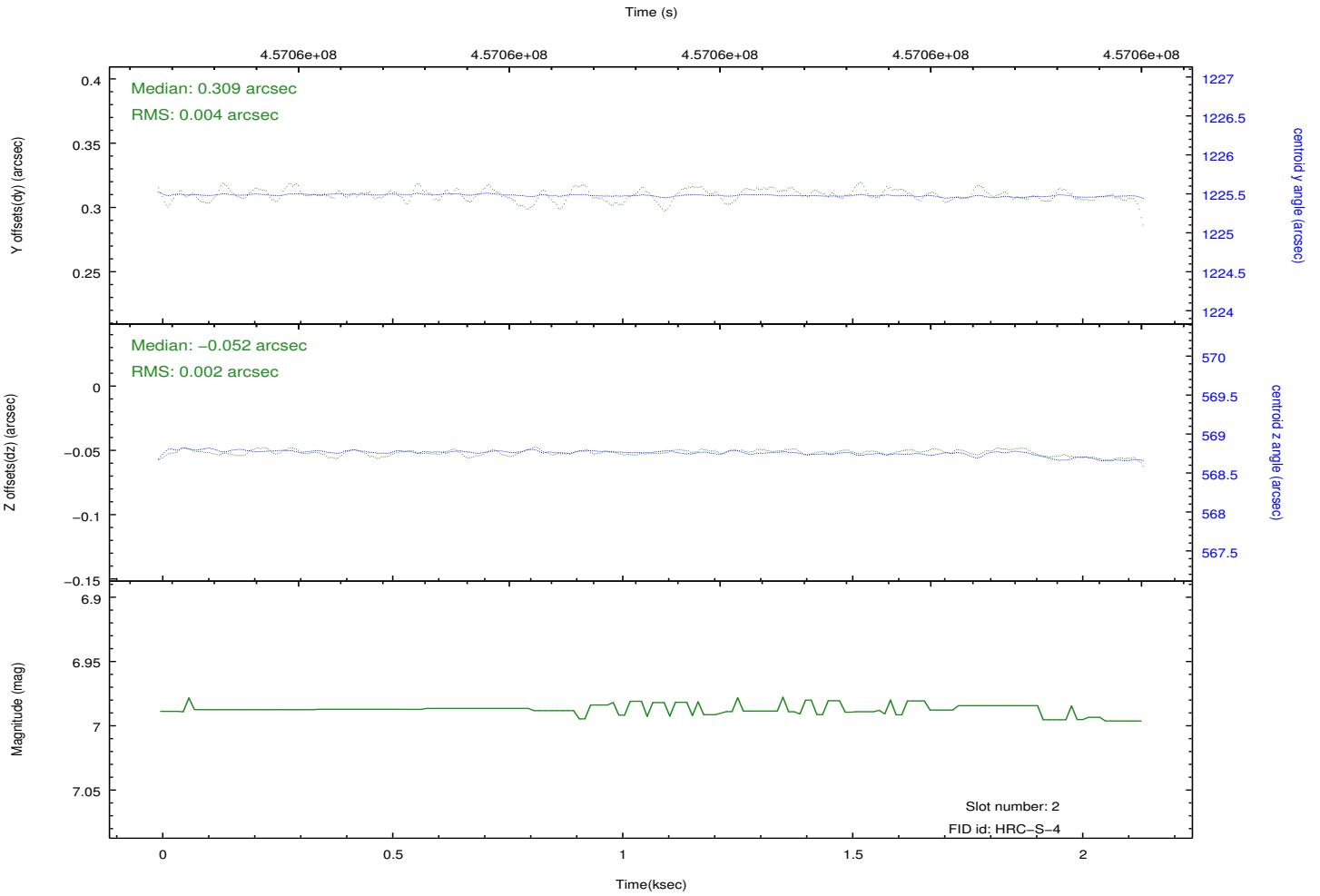
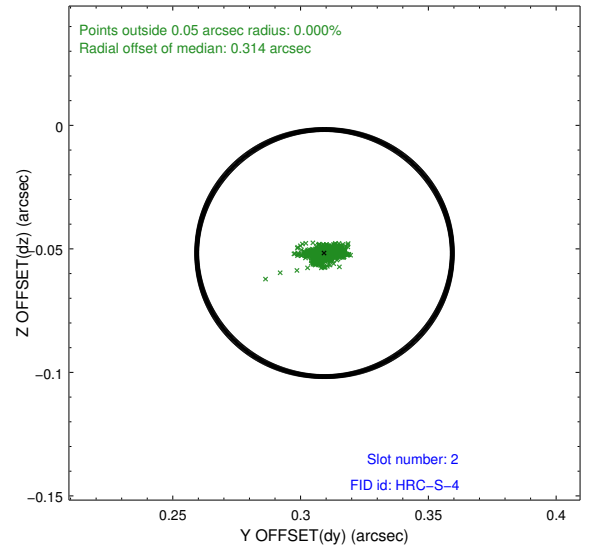
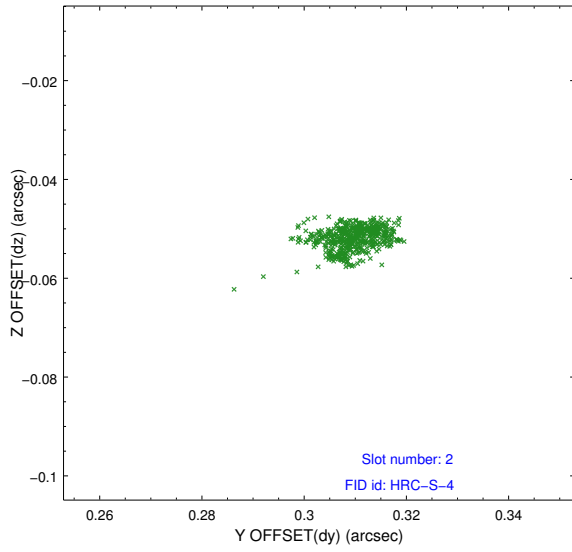
### 2.5.1 Slot 0



## 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)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1435313643217

## A.2 Comments

Window constraint met.