

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 14245 - L2 Version 4  
Chandra X-Ray Center

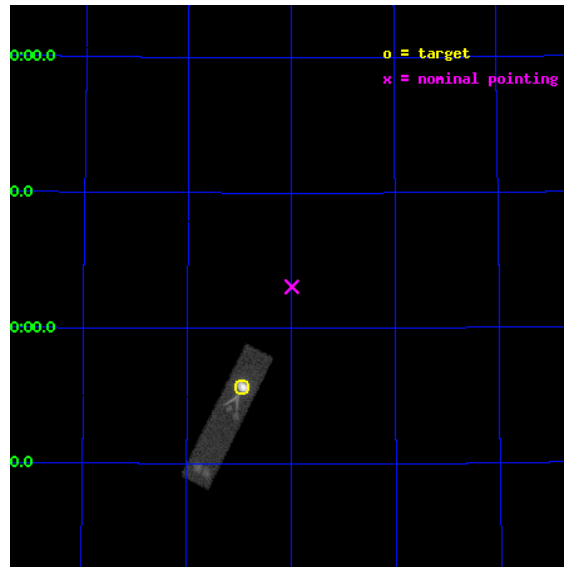
L2 Processing Date : Aug 10 2012

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# 1 Front

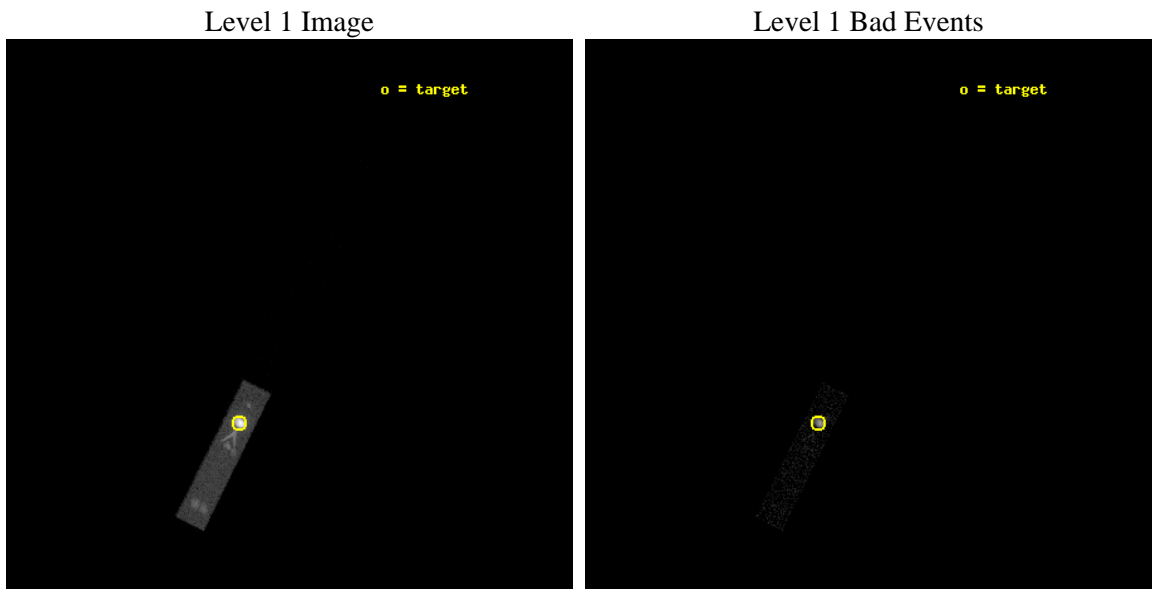
seq_num	291018	Sequence number
obs_id	14245	Observation id
title	AO-13 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	278.9972543822	Nominal RA [deg]
dec_nom	39.154407417052	Nominal Dec [deg]
roll_nom	296.51292244461	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1182.8500622511	[s]
liveltime	513.06133114344	Ontime multiplied by DTCOR
l2events	210173	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	1182.8500622511	[s]
caldbver	4.5.1.1	&#160	l1events	257664	Number of level 1 events
date	2012-08-10T03:51:29	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

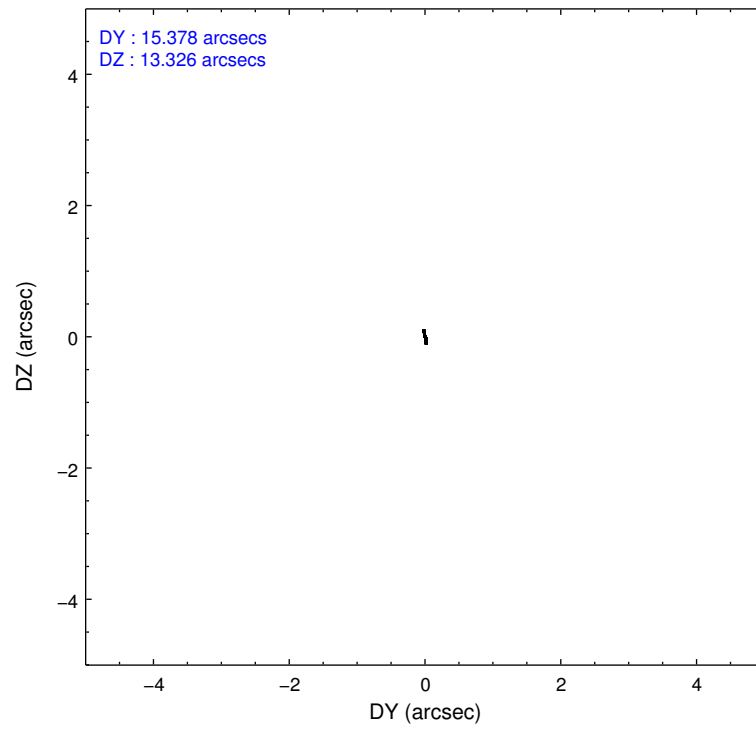
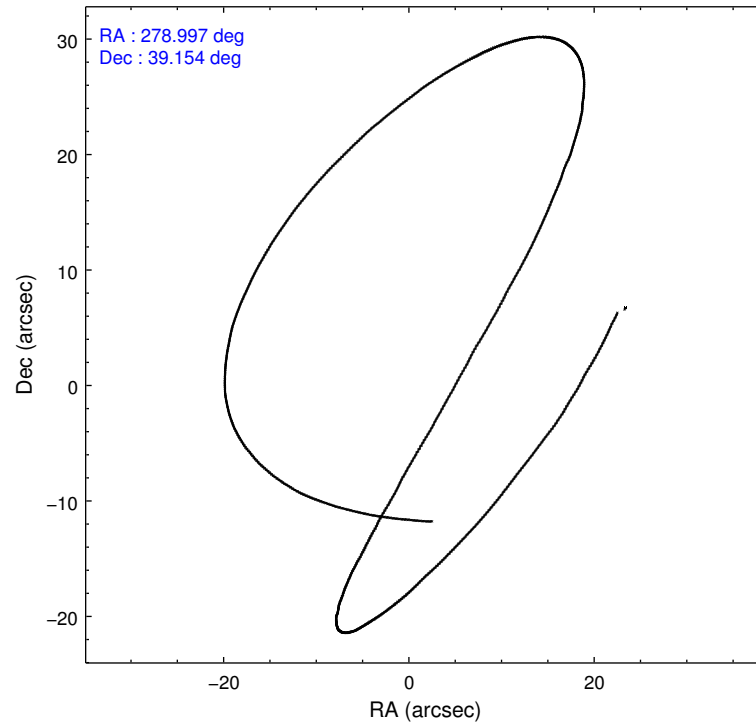
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	4	33	257627
rejected events	4	21	39533
rejected %	100%	63%	15%

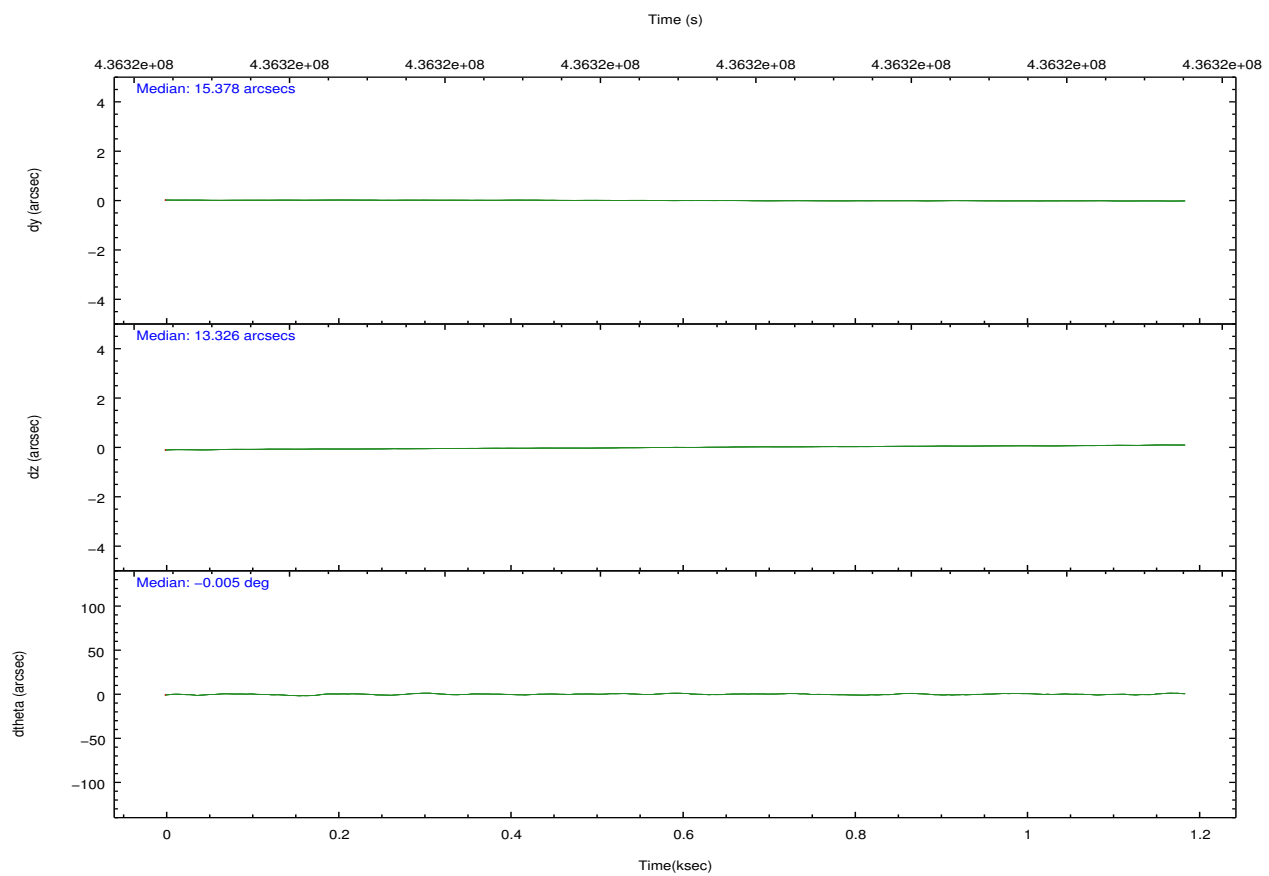
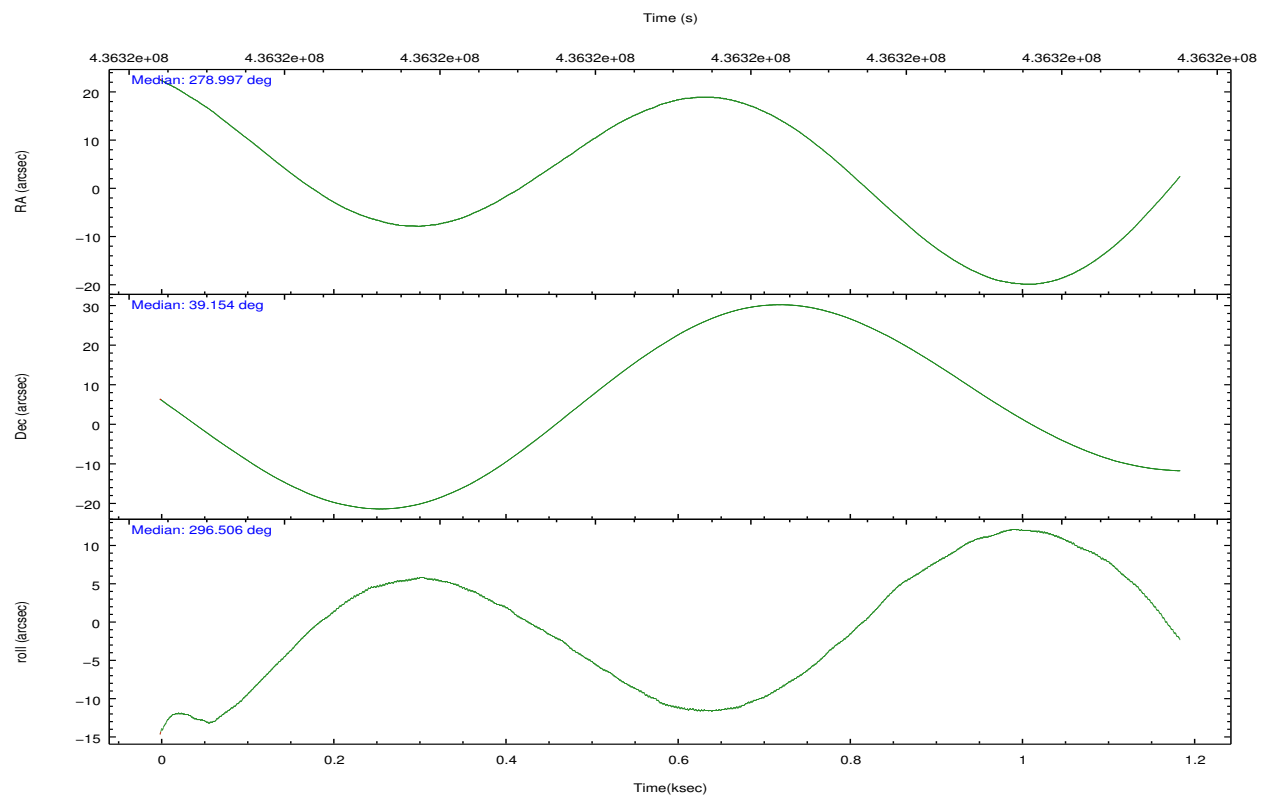
## 2.2 Compared Parameters

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	278.966313	278.9972543821989
[deg] Pointing Dec	39.169655	39.15440741705205
[deg] Pointing Roll	296.465147	296.5129224446102
[s] Window start time (MET)	431222466.184000	431222466.184000
[s] Window stop time (MET)	436320066.184000	436320066.184000
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	436319286.184000	436318910.45877
Observation start date	2011-10-29T23:47:00	2011-10-29T23:41:50
[s] Observation end time (MET)	436320286.184000	436321297.1714
Observation end date	2011-10-30T00:03:40	2011-10-30T00:21:37

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

## 2.3 Aspect





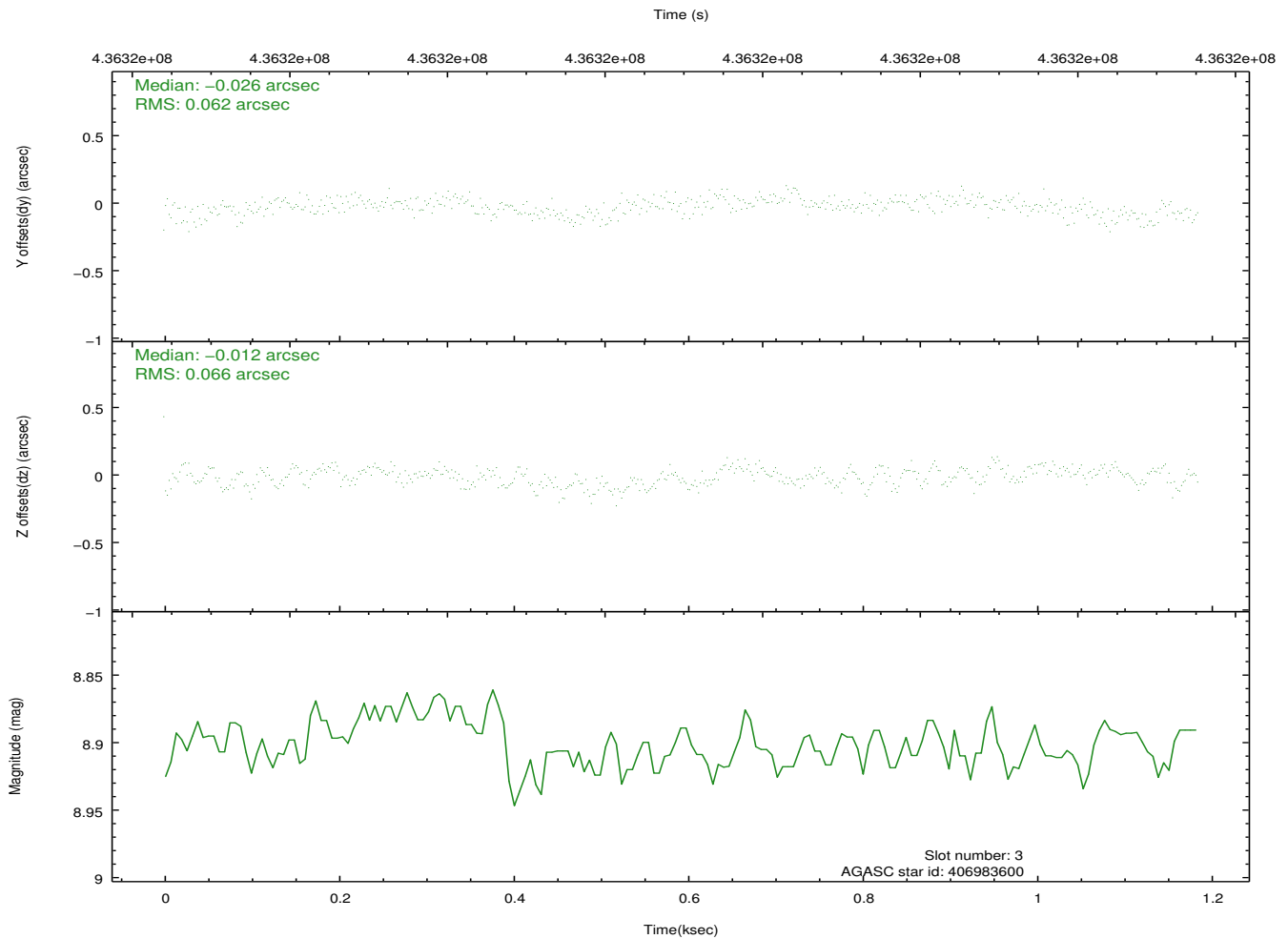
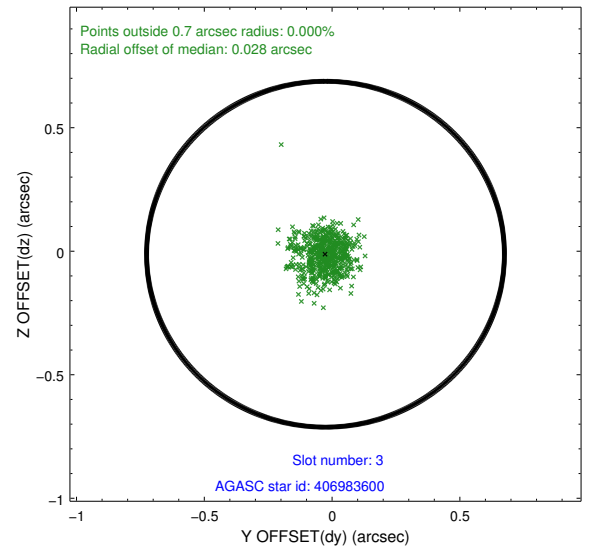
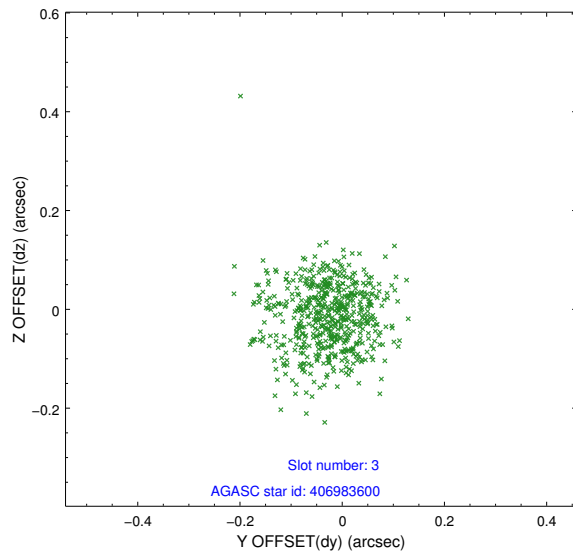
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.95	290	0.007	-0.139	0.008	0.013	0.000000	0.000000	-1169.85	-462.13
1	FID	HRC-S-2	6.93	290	0.296	-0.119	0.004	0.009	0.000000	0.000000	1226.06	-456.30
2	FID	HRC-S-3	6.96	290	0.086	-0.044	0.008	0.014	0.000000	0.000000	-1168.29	565.91
3	GUIDE	406983600	8.90	579	-0.026	-0.012	0.095	0.151	279.940957	39.020708	1682.40	2212.03
4	GUIDE	406985120	7.43	579	0.051	-0.034	0.081	0.146	278.839732	38.894839	729.96	-751.00
5	GUIDE	406987272	6.97	579	-0.029	0.132	0.085	0.138	278.536588	38.437504	1817.36	-2255.75
6	GUIDE	407510432	8.13	579	-0.154	-0.059	0.087	0.142	278.762778	39.530640	-1413.29	72.78
7	GUIDE	407521232	8.65	577	0.151	-0.021	0.097	0.156	279.628883	39.431715	-32.56	2076.19

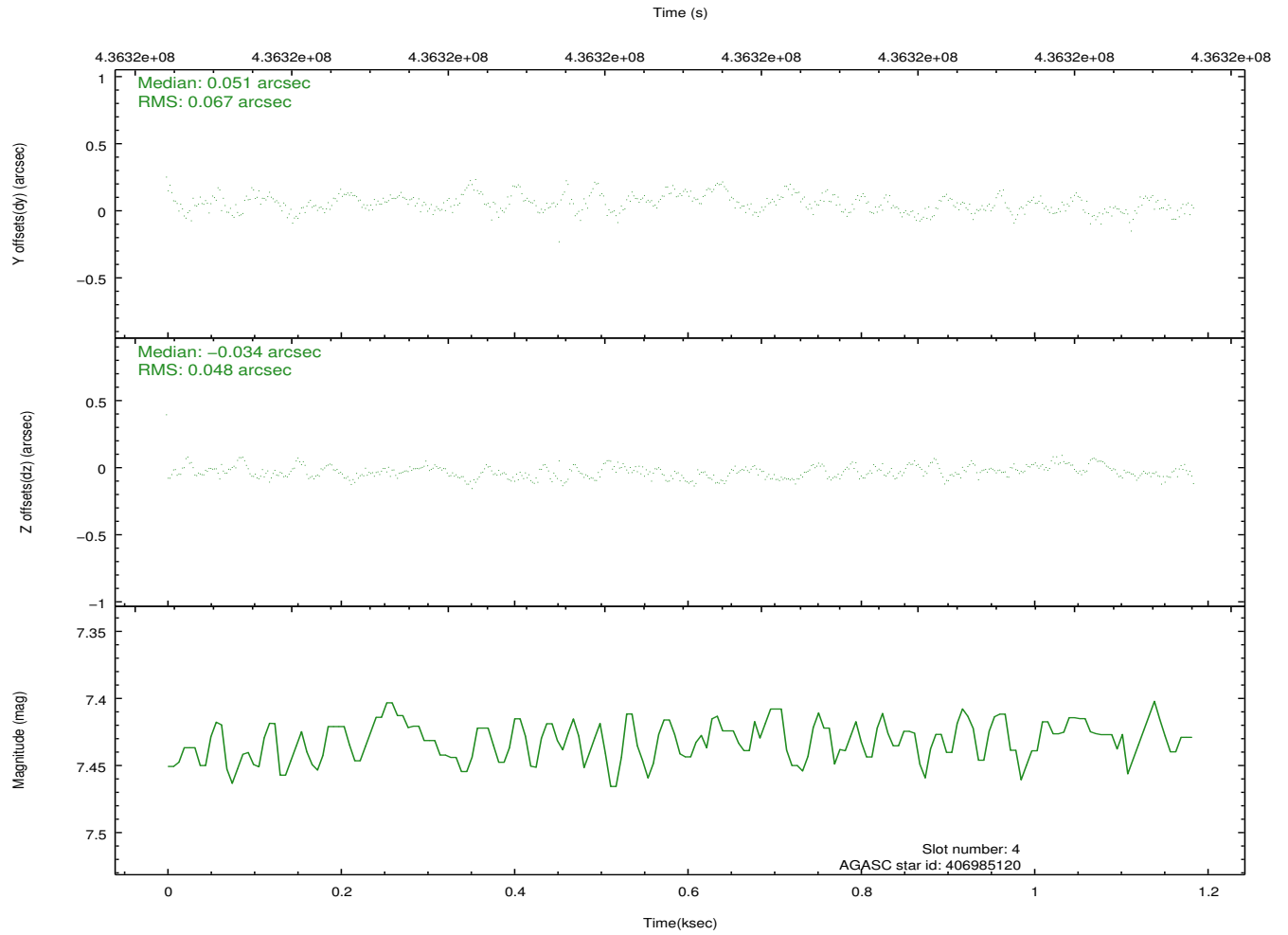
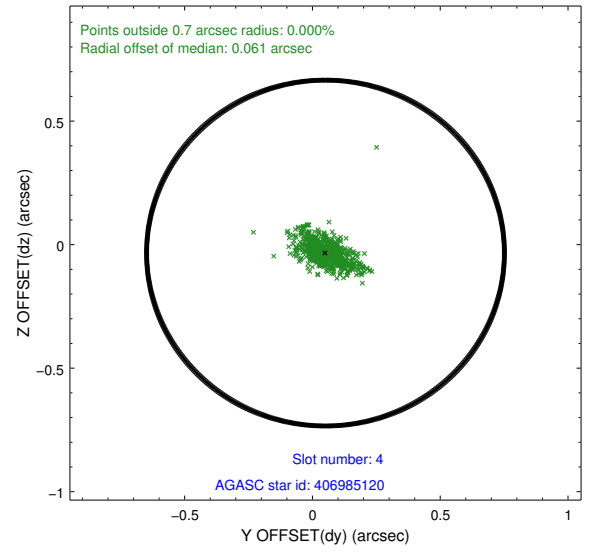
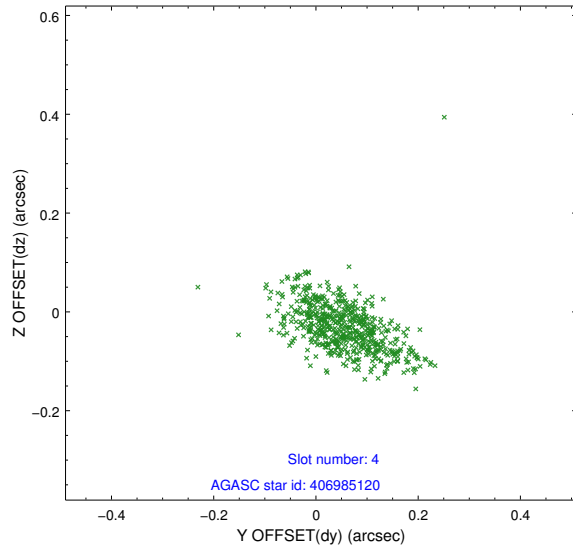


## 2.4 Star Slots

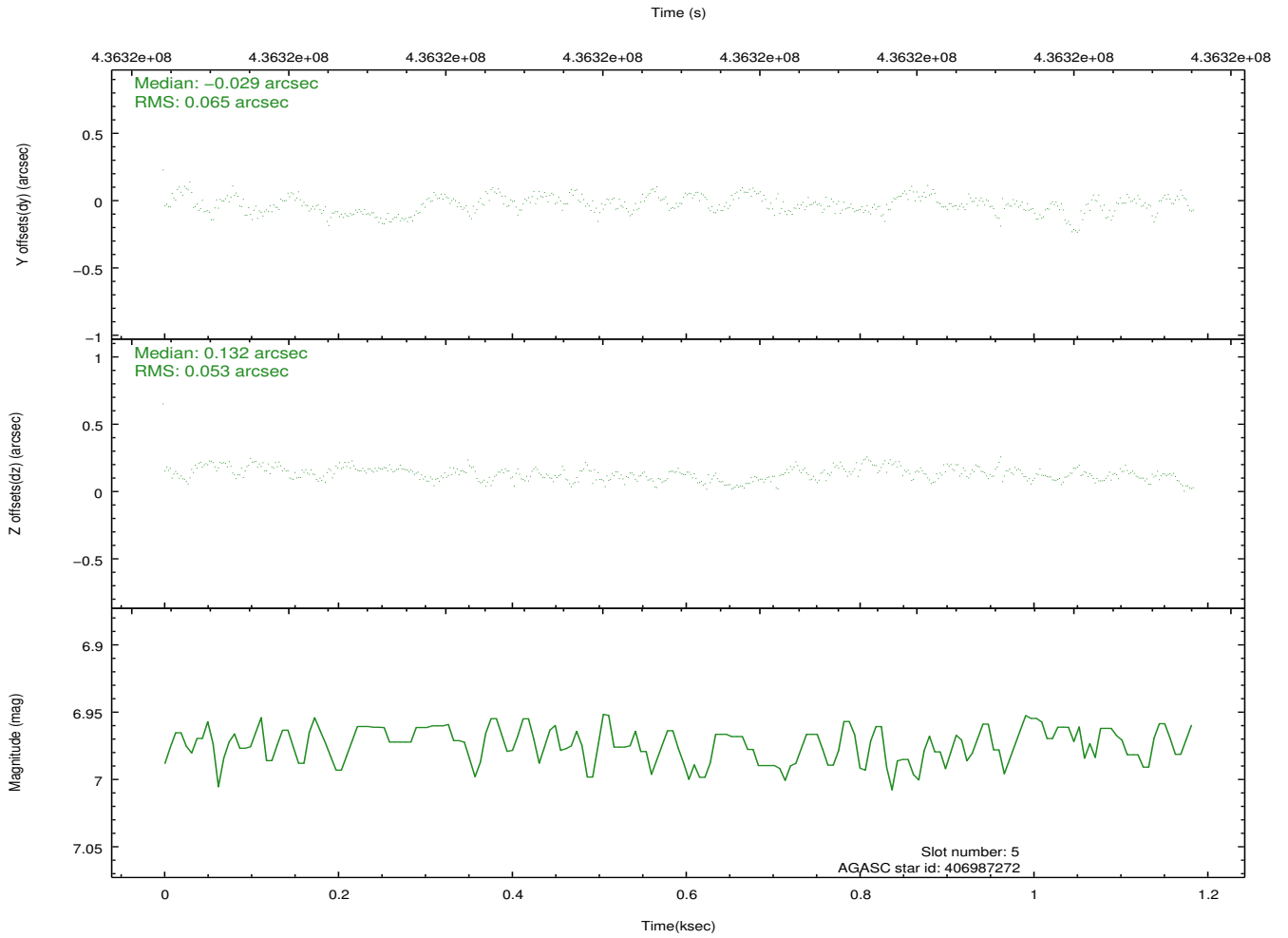
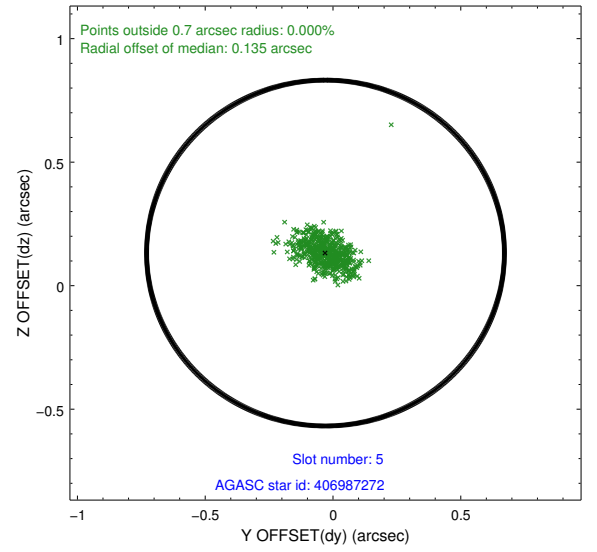
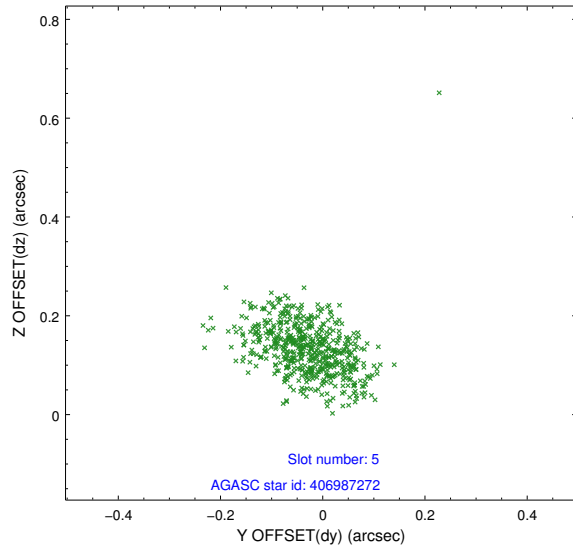
### 2.4.1 Slot 3



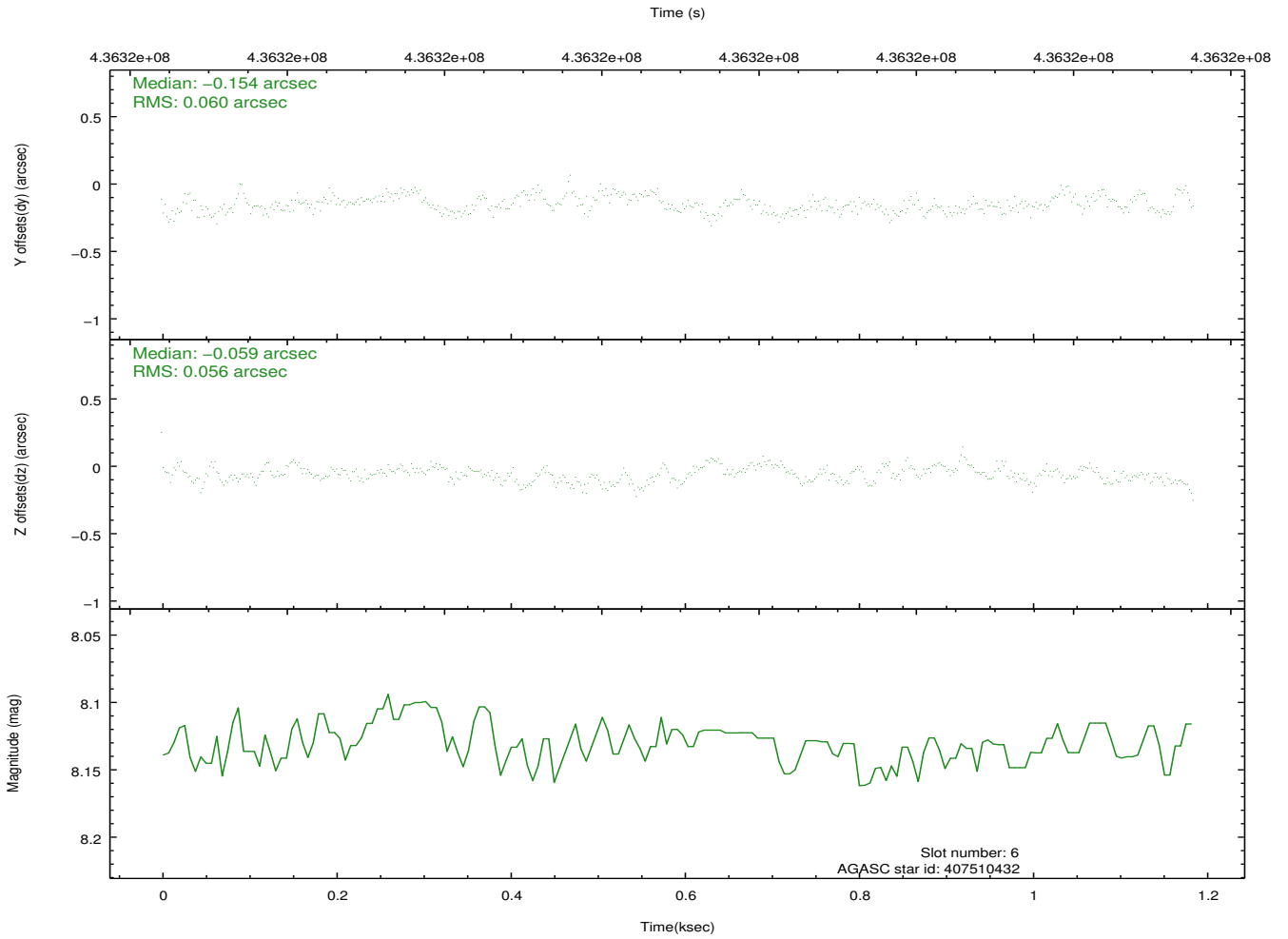
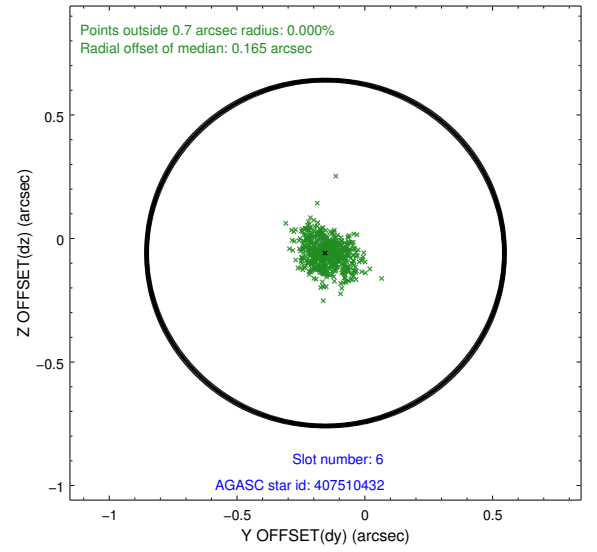
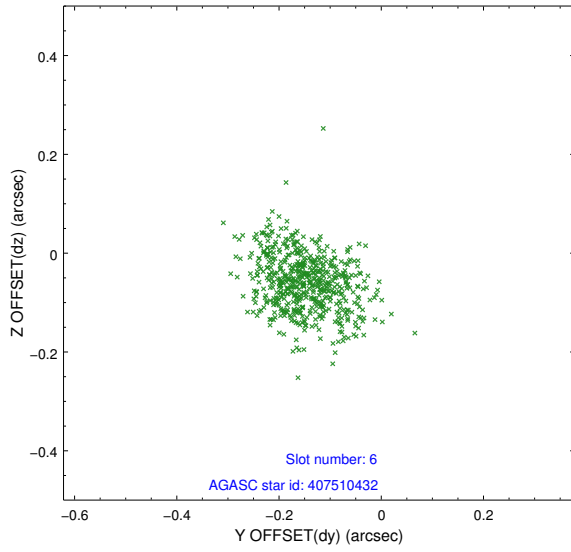
## 2.4.2 Slot 4



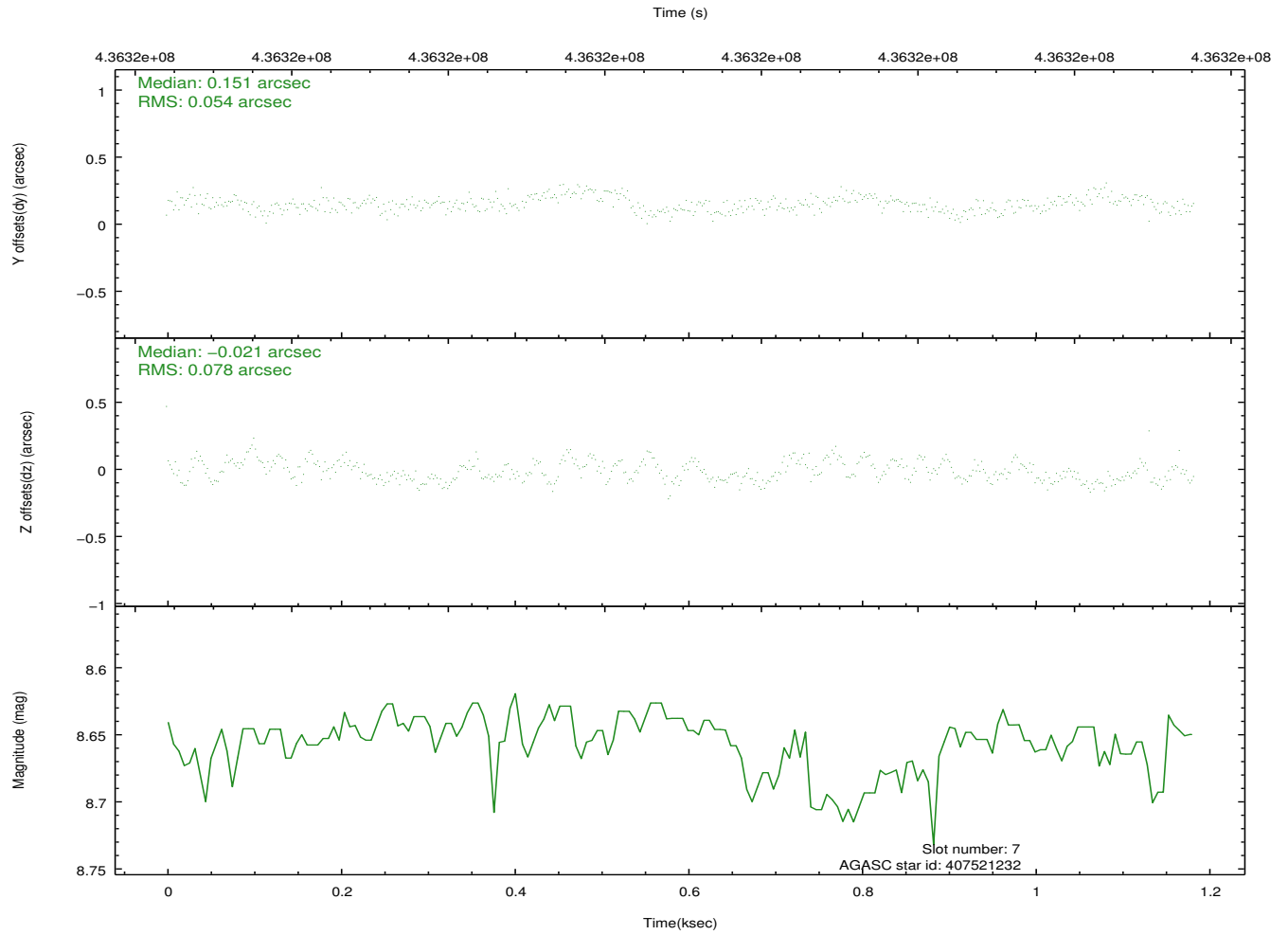
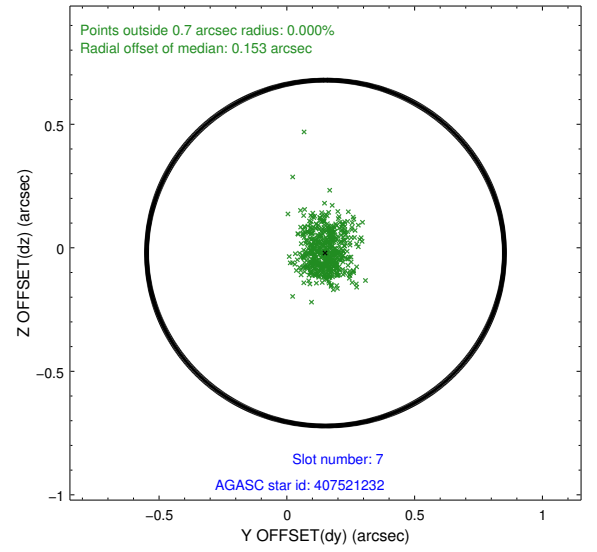
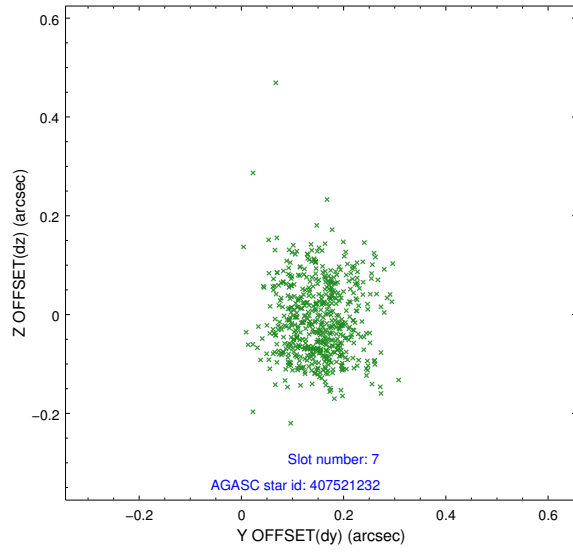
### 2.4.3 Slot 5



## 2.4.4 Slot 6

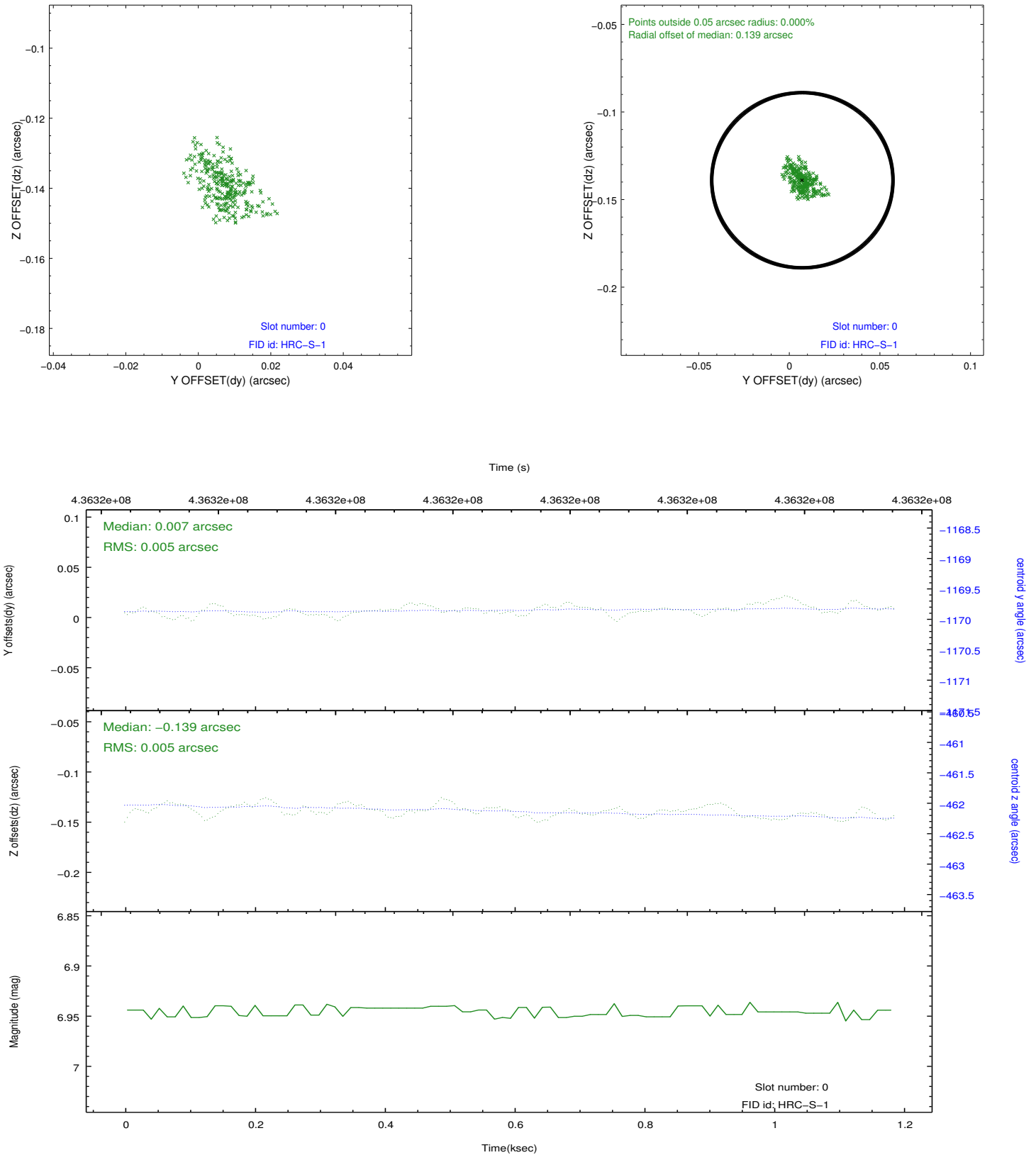


## 2.4.5 Slot 7

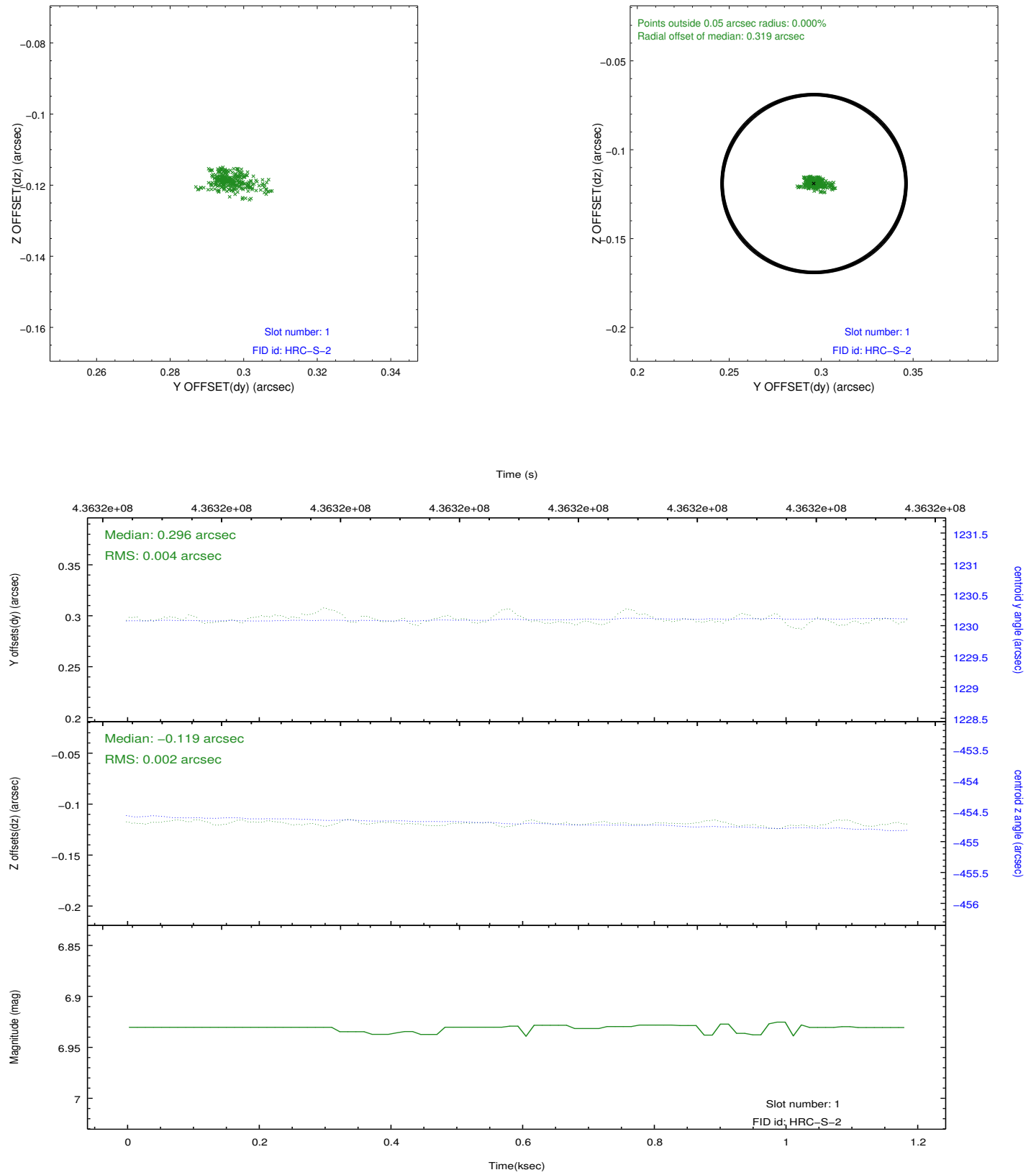


## 2.5 FID Slots

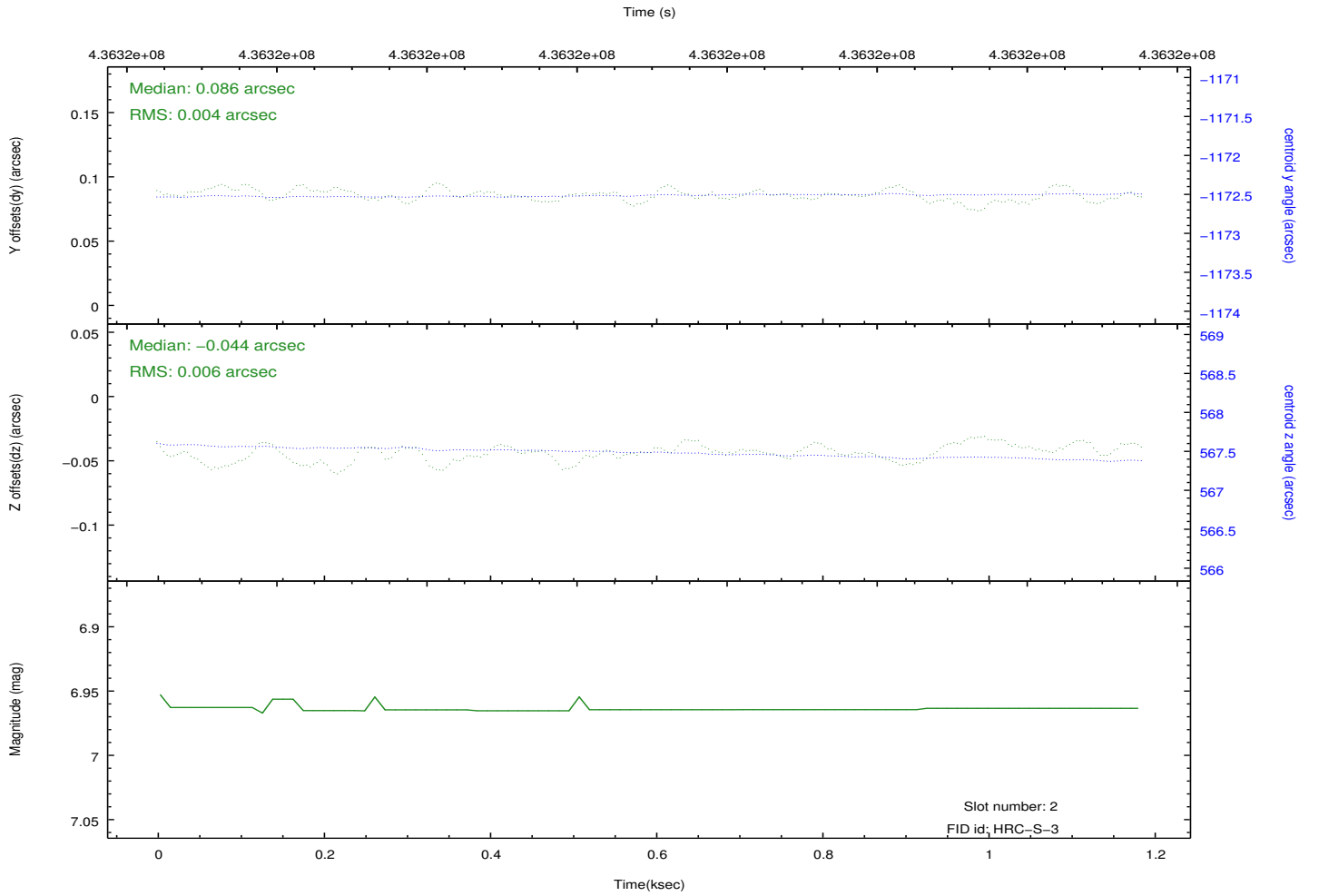
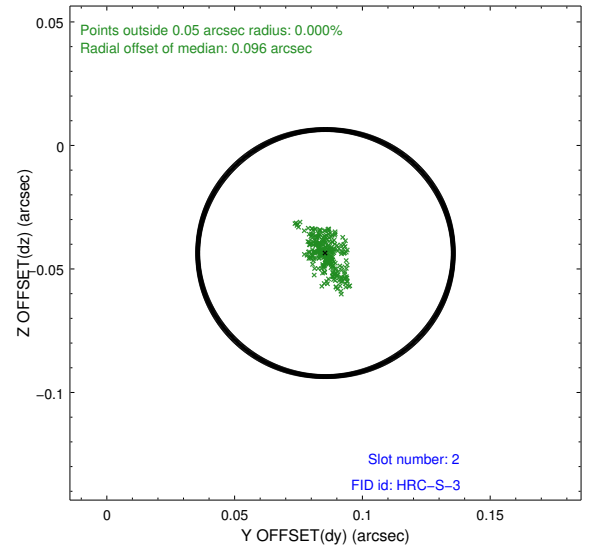
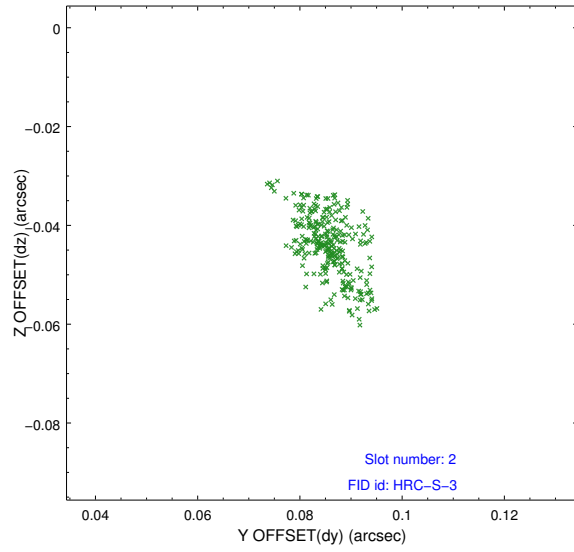
### 2.5.1 Slot 0



## 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)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1828500624299

## A.2 Comments

Window constraint not met. Window ends 2011\_10\_30T00:00; observation ends 2011-10-30T00:21:37. Observation schedule was changed due to radiation event; window constraint violation approved.