

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 10637 - L2 Version 3  
Chandra X-Ray Center

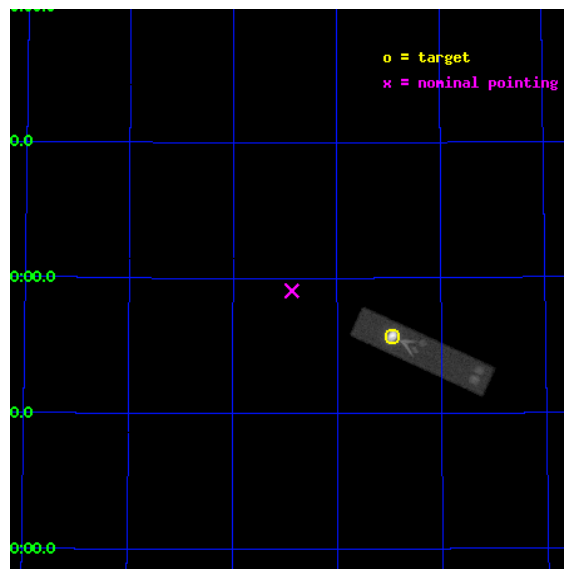
L2 Processing Date : Aug 13 2012

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# 1 Front

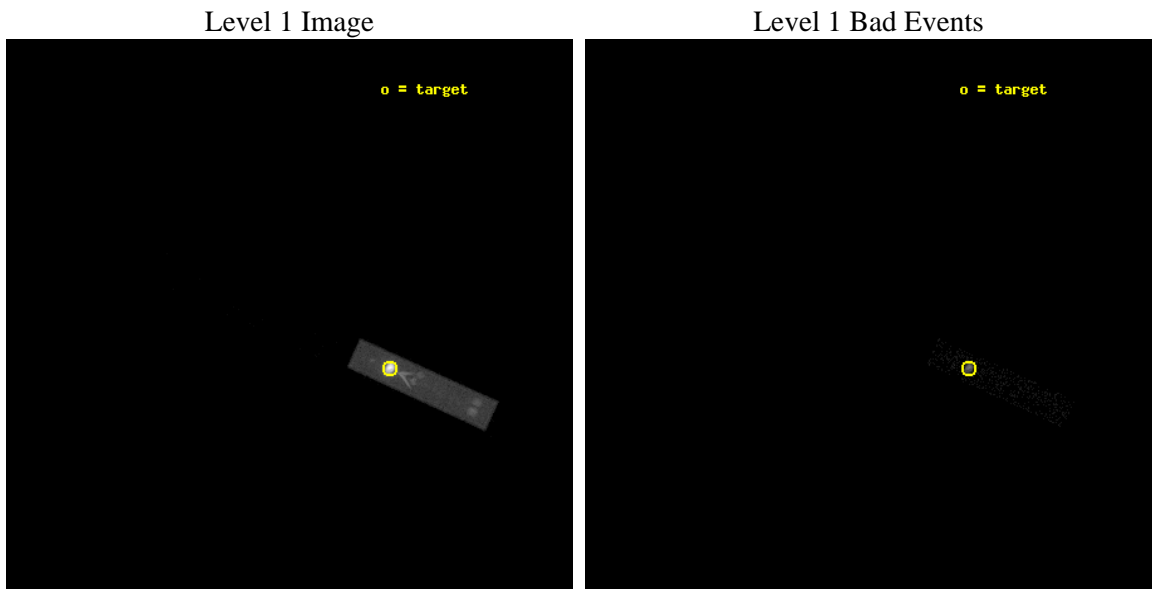
seq_num	290873	Sequence number
obs_id	10637	Observation id
title	AO-10 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.71659571684	Nominal RA [deg]
dec_nom	38.954336239308	Nominal Dec [deg]
roll_nom	204.41281574613	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2180.4313591123	[s]
liveltime	838.70012111727	Ontime multiplied by DTCOR
l2events	384945	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	2180.4313591123	[s]
caldbver	4.5.1.1	&#160	l1events	437568	Number of level 1 events
date	2012-08-13T12:20:46	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

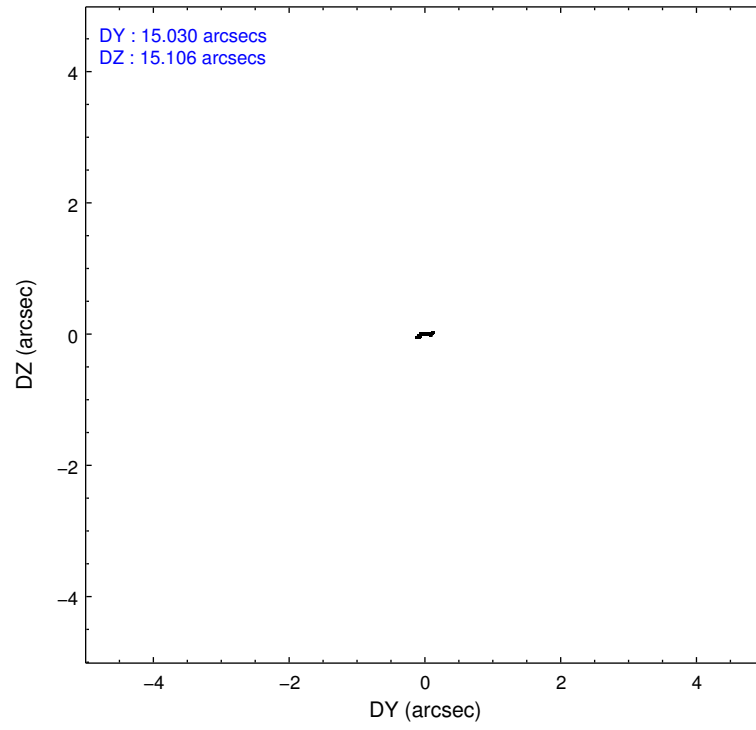
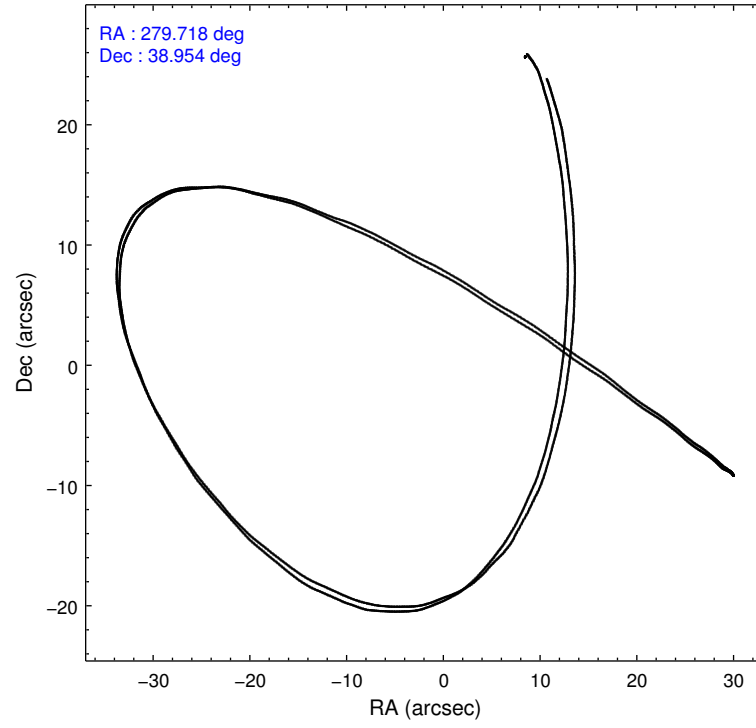
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	3	31	437534
rejected events	3	19	35498
rejected %	100%	61%	8%

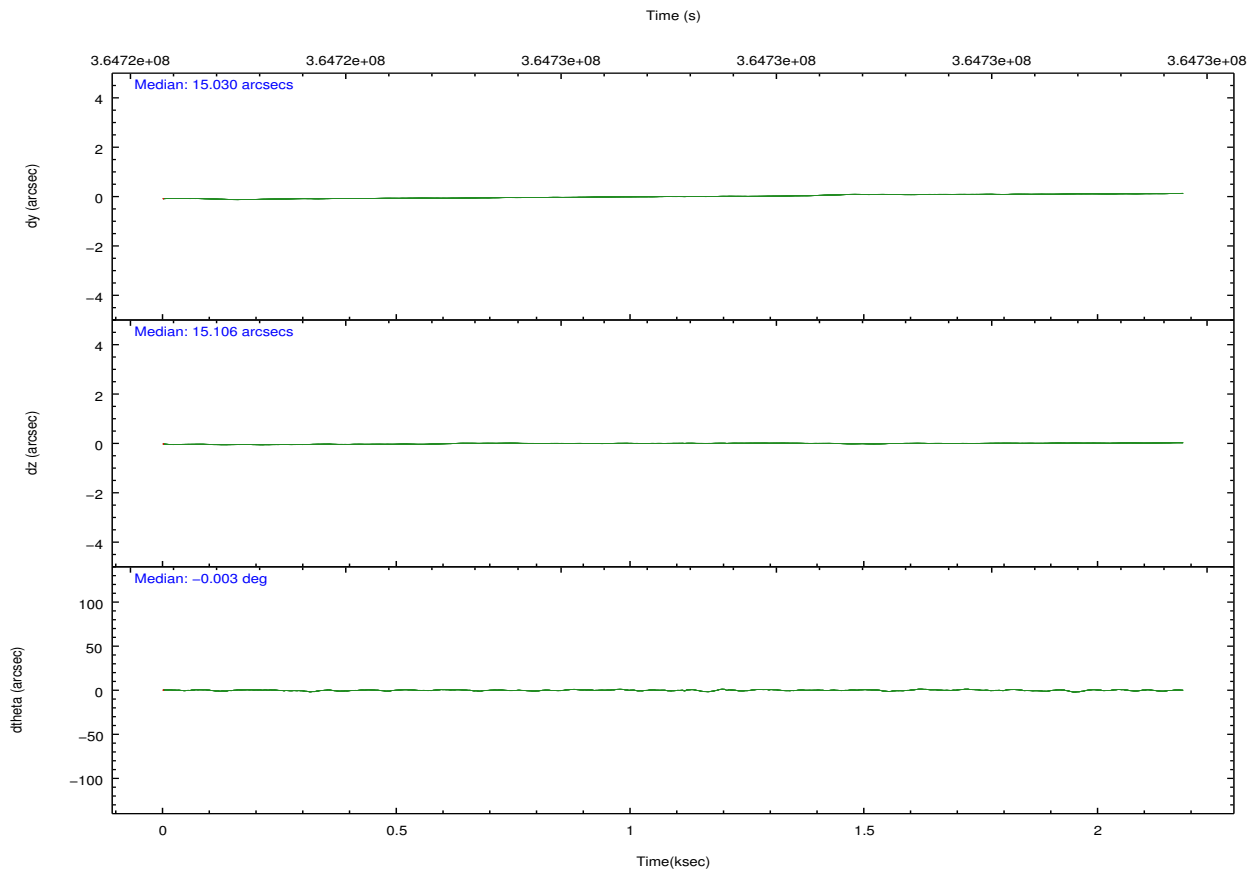
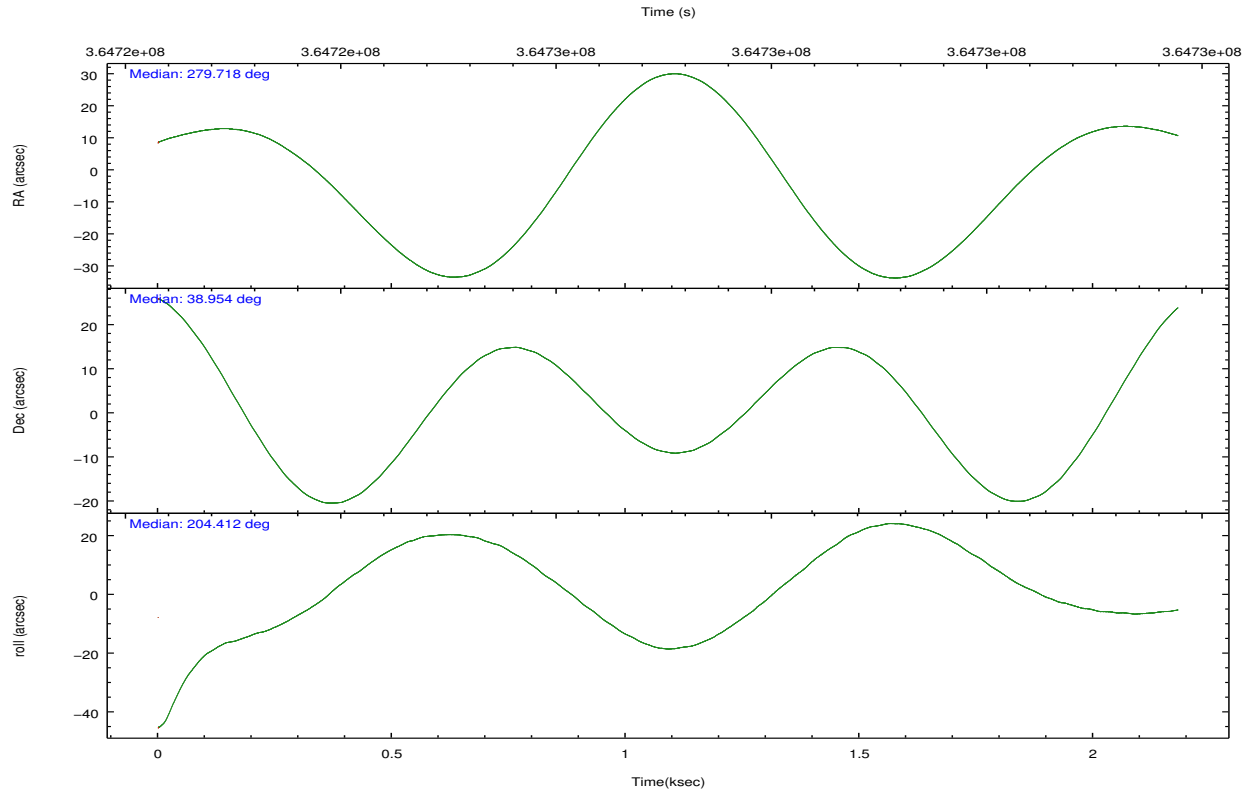
## 2.2 Compared Parameters

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	279.736356	279.7165957168435
[deg] Pointing Dec	38.978773	38.95433623930811
[deg] Pointing Roll	204.333199	204.412815746127
[s] Window start time (MET)	360201666.184000	360201666.184000
[s] Window stop time (MET)	368064066.184000	368064066.184000
[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)	364724856.184000	364724478.79678
Observation start date	2009-07-23T08:26:30	2009-07-23T08:21:18
[s] Observation end time (MET)	364726856.184000	364727507.67193
Observation end date	2009-07-23T08:59:50	2009-07-23T09:11:47

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

## 2.3 Aspect





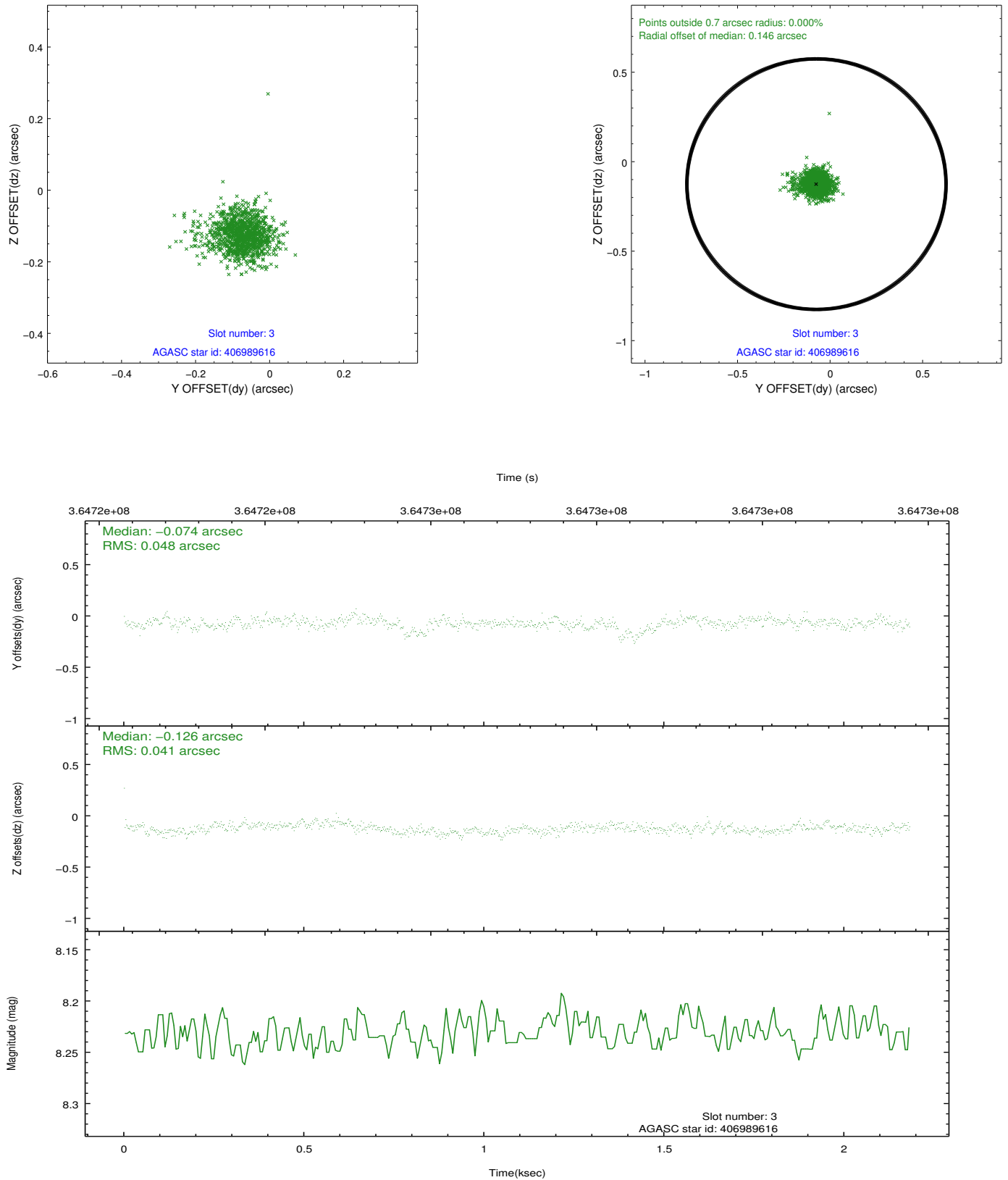
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	532	0.065	-0.221	0.008	0.012	0.000000	0.000000	-1169.45	-464.00
1	FID	HRC-S-2	7.00	533	0.225	-0.113	0.006	0.011	0.000000	0.000000	1228.18	-457.42
2	FID	HRC-S-3	7.02	532	0.101	0.032	0.008	0.013	0.000000	0.000000	-1169.82	564.91
3	GUIDE	406989616	8.23	1064	-0.074	-0.126	0.064	0.111	279.202881	38.520843	2047.05	878.03
4	GUIDE	407513096	8.14	1065	-0.026	0.165	0.072	0.113	279.928965	39.436841	-1165.21	-1282.35
5	GUIDE	407521232	8.65	1065	0.064	0.055	0.079	0.137	279.628883	39.431715	-400.11	-1611.09
6	GUIDE	406985120	7.45	1065	0.041	0.082	0.073	0.118	278.839732	38.894839	2408.68	-773.40
7	GUIDE	406983600	8.92	1062	-0.008	-0.174	0.092	0.148	279.940957	39.020708	-581.51	96.92

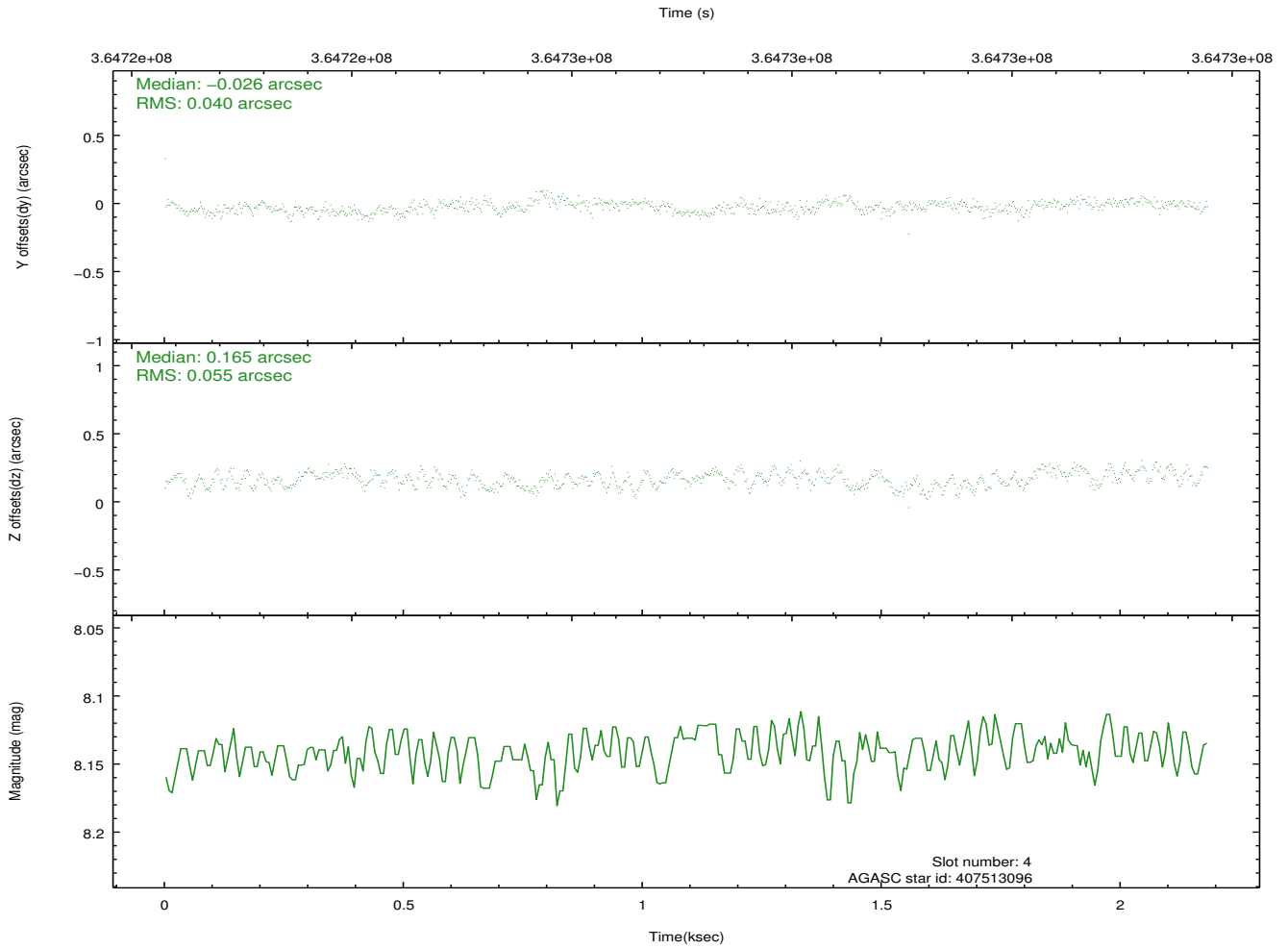
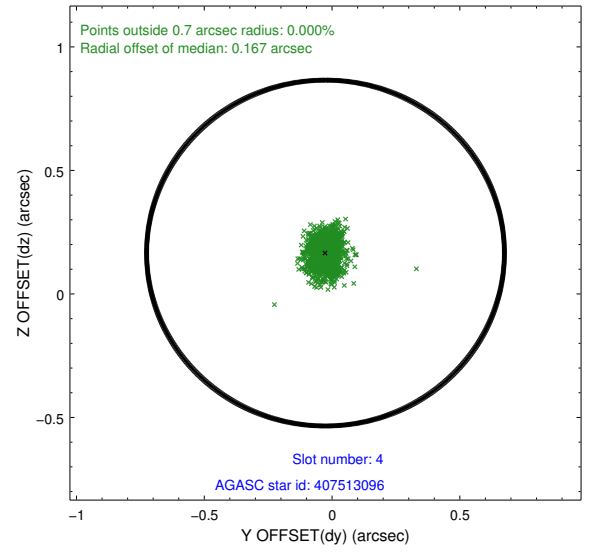
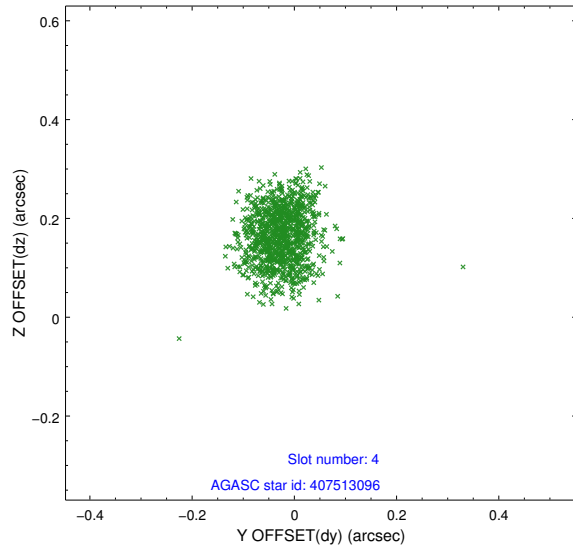


## 2.4 Star Slots

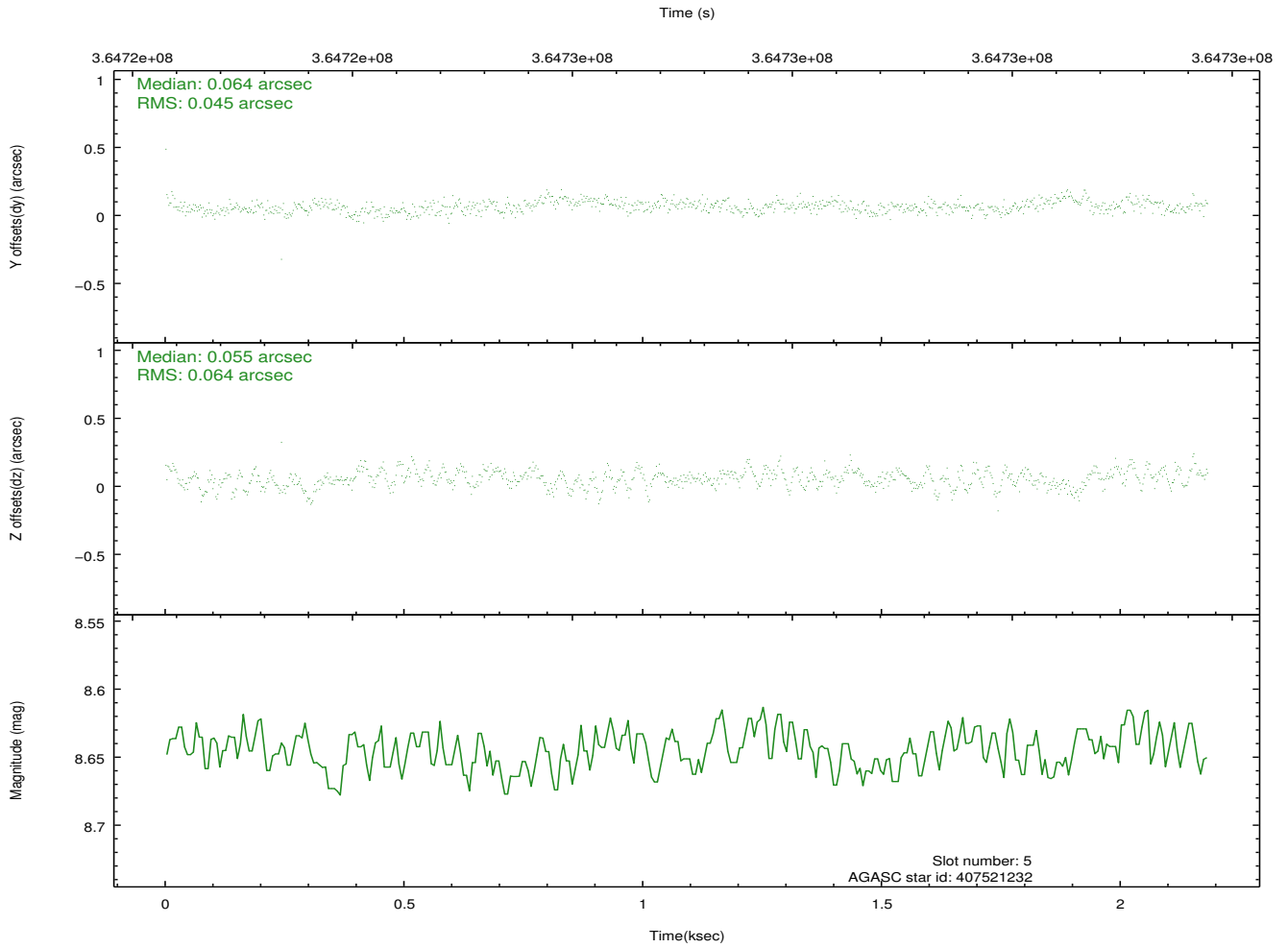
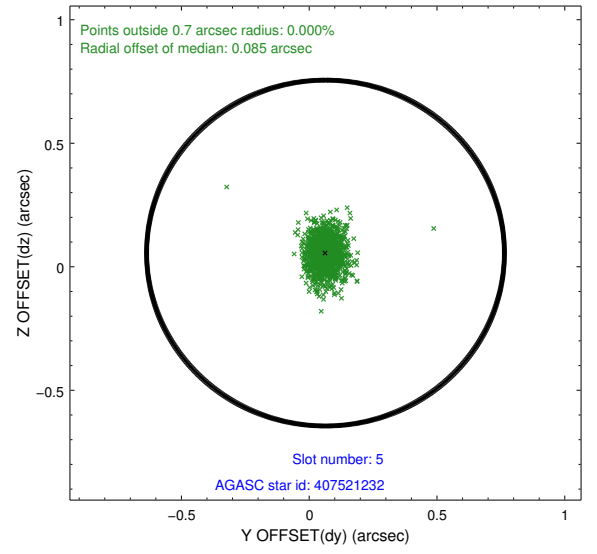
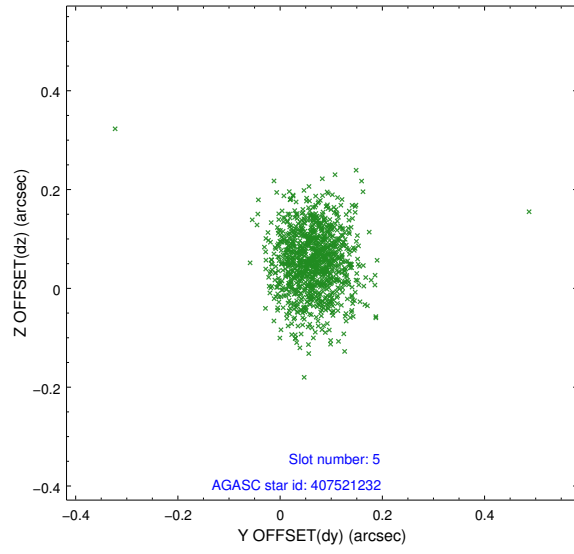
### 2.4.1 Slot 3



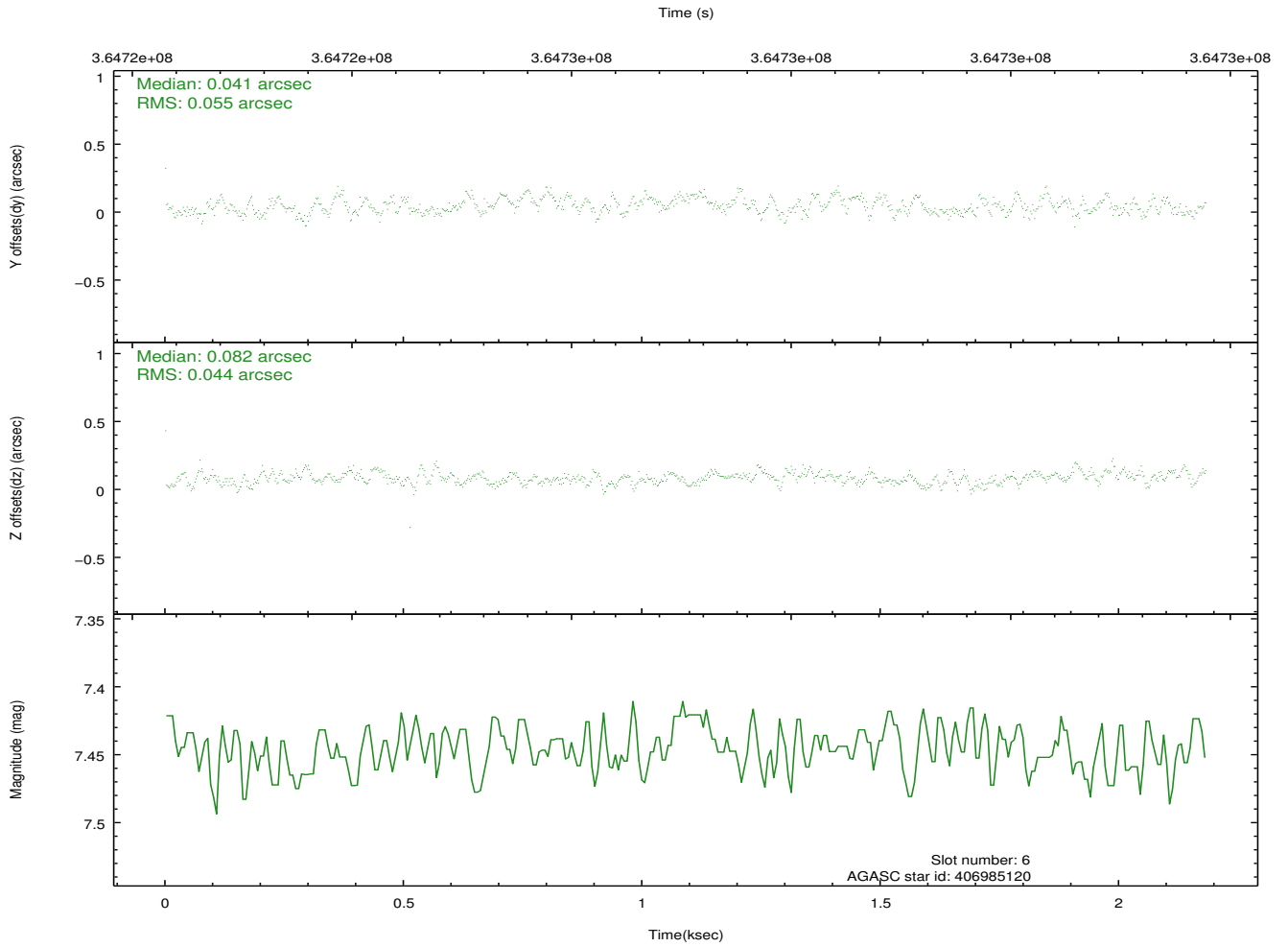
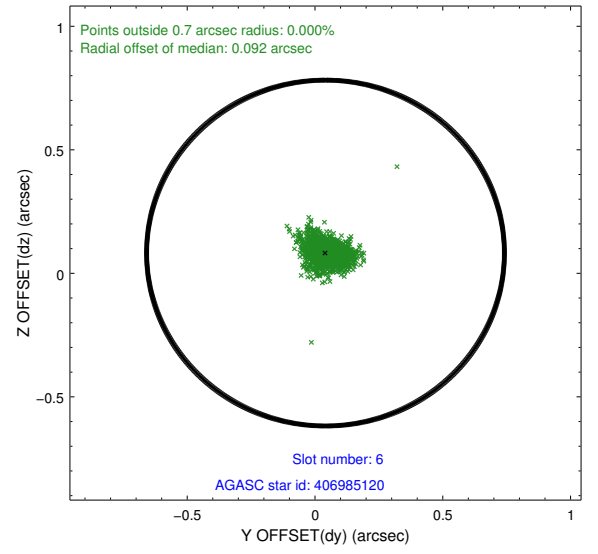
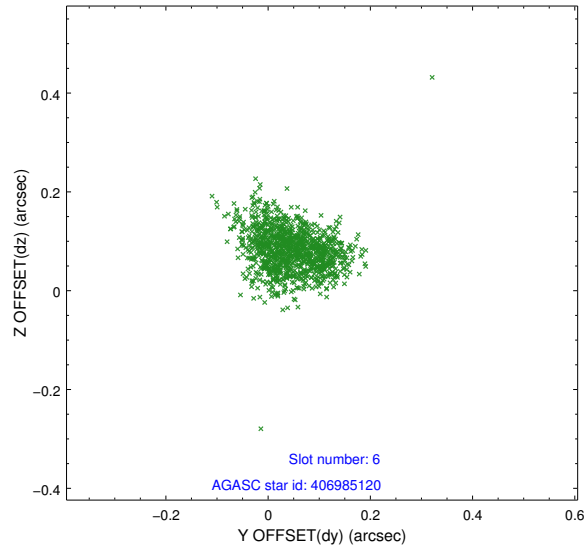
## 2.4.2 Slot 4



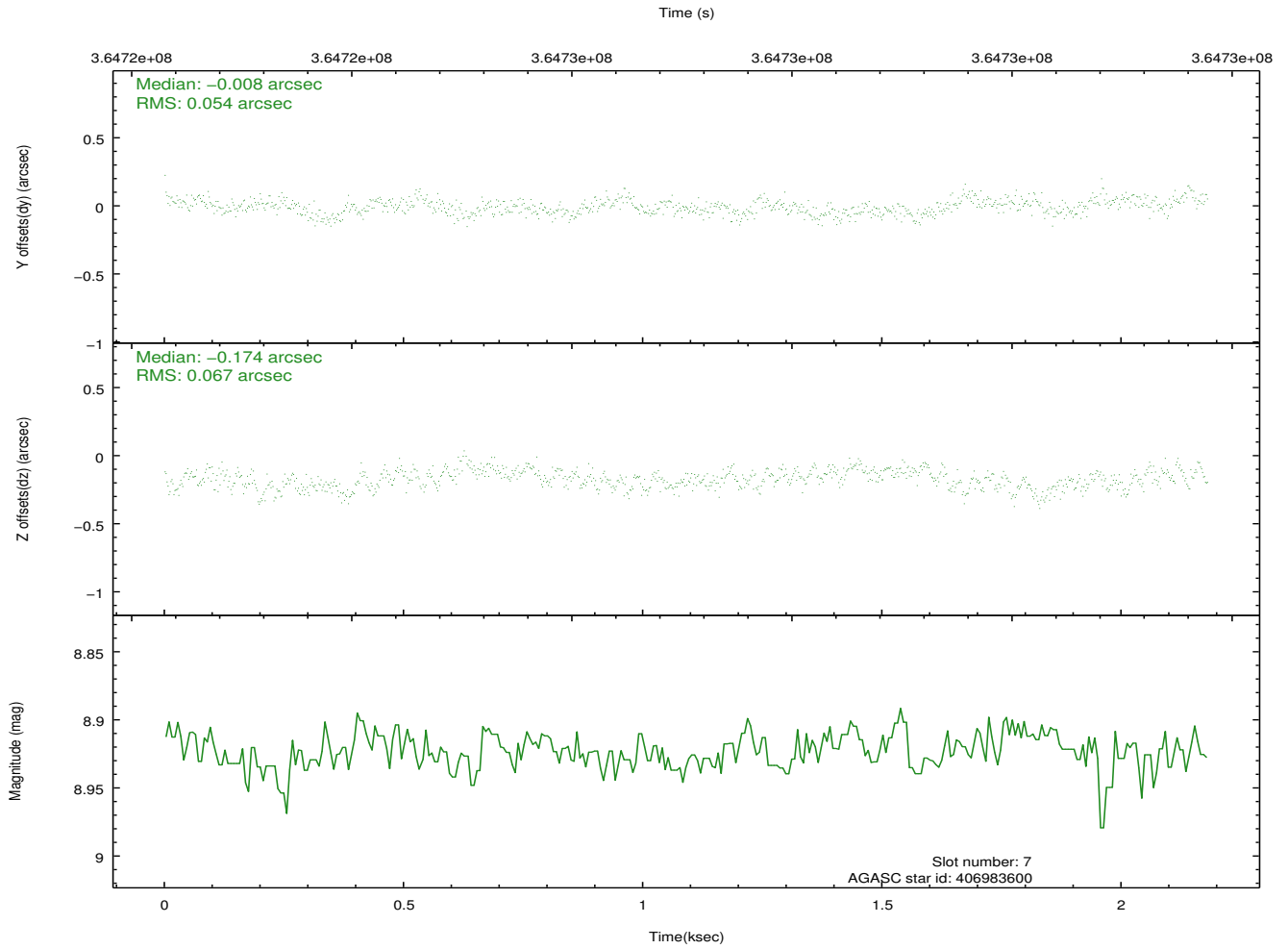
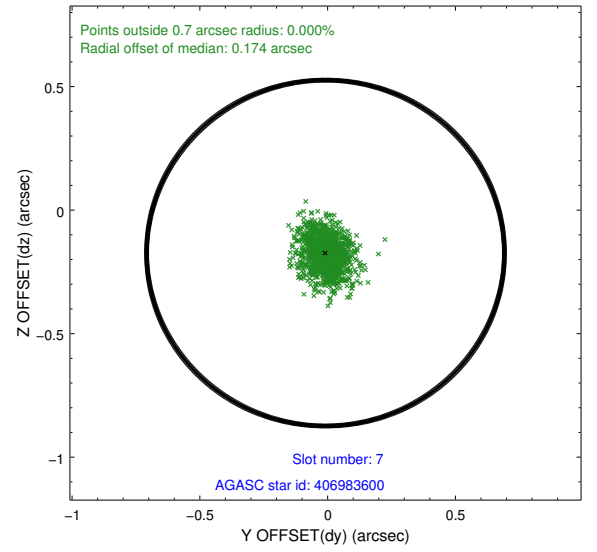
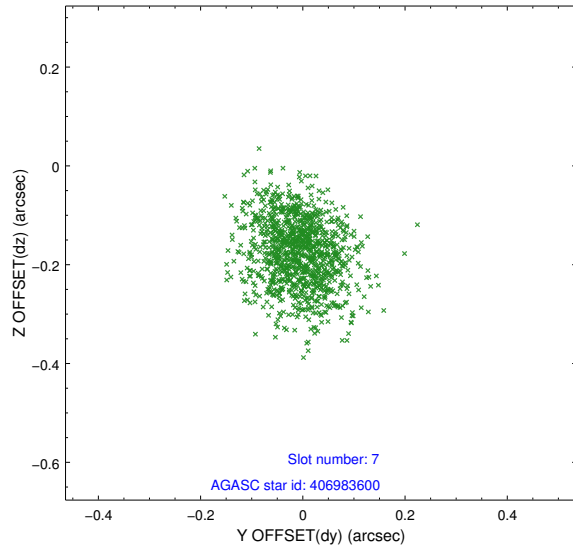
### 2.4.3 Slot 5



## 2.4.4 Slot 6

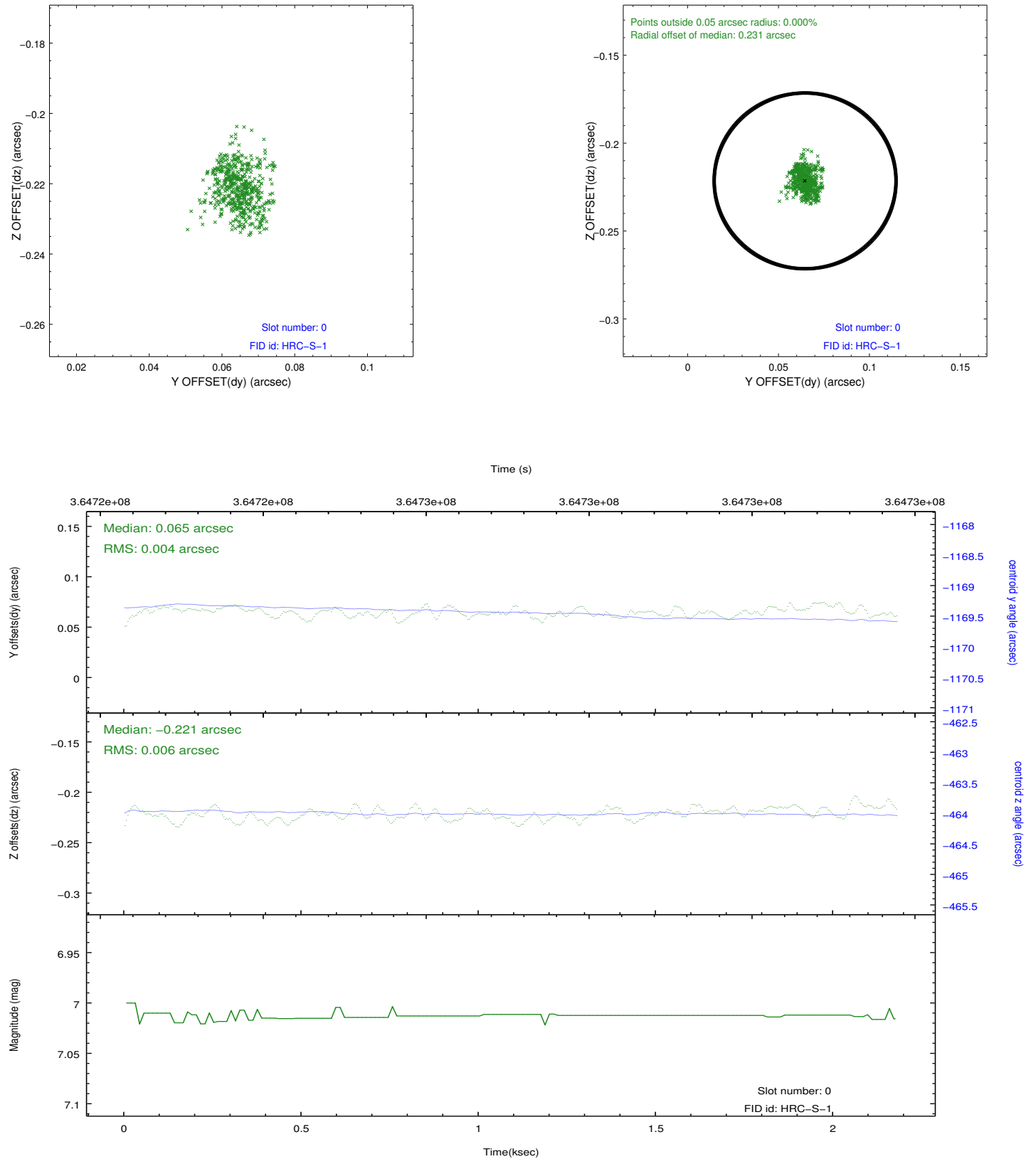


## 2.4.5 Slot 7

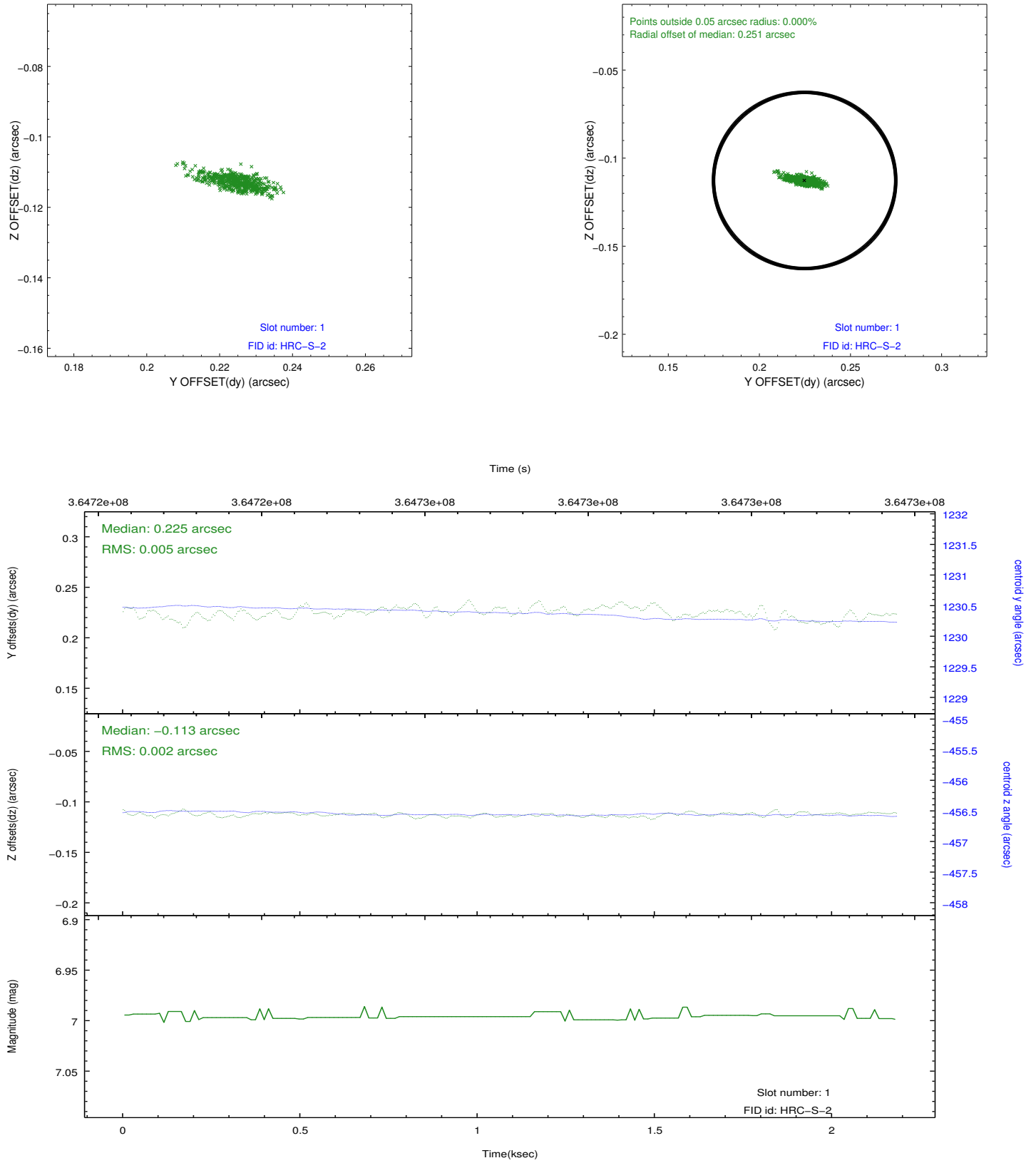


## 2.5 FID Slots

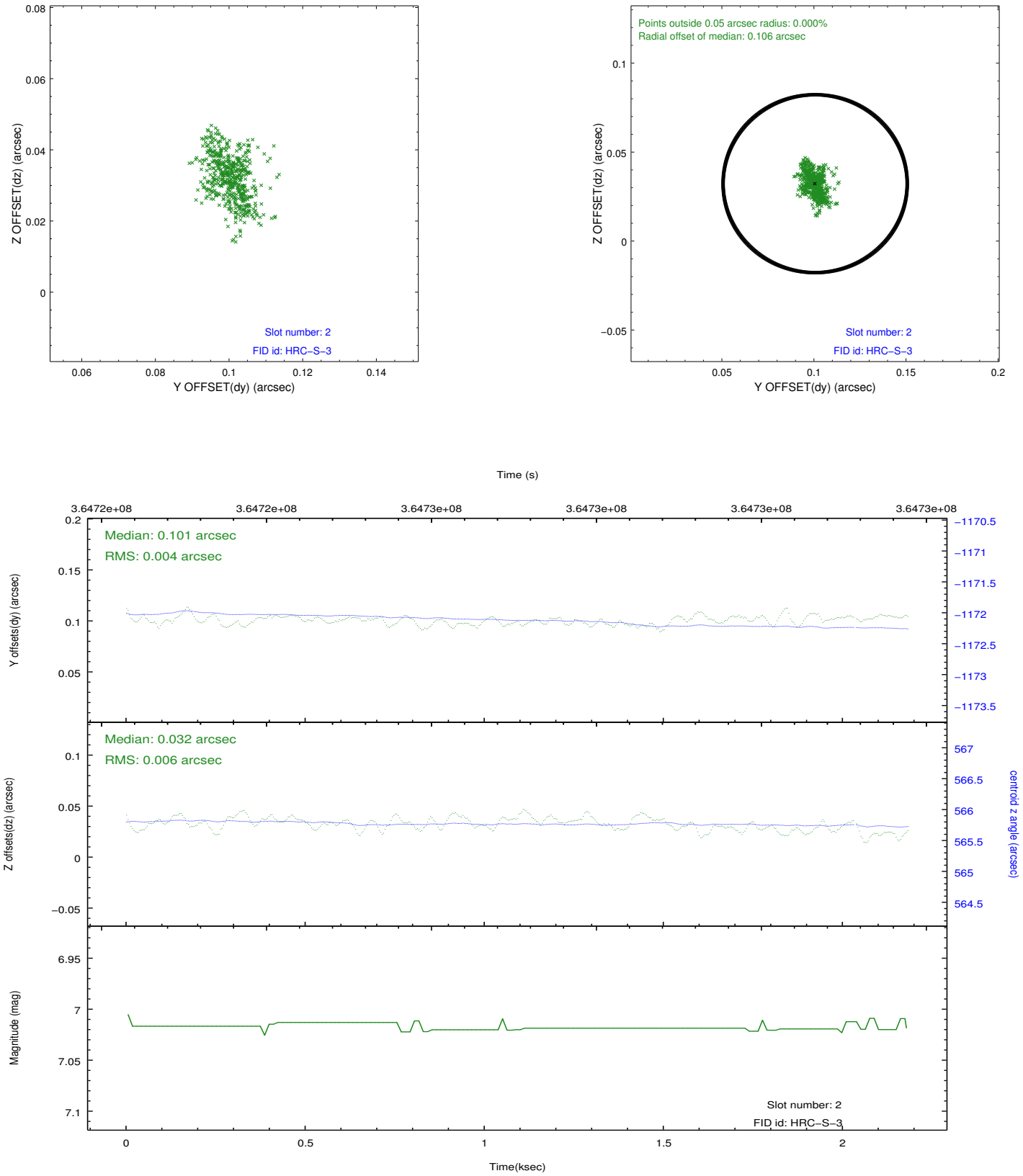
### 2.5.1 Slot 0



## 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)	2012.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1804313590527

### A.2 Comments

Window preference met.