

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6468 - L2 Version 3  
Chandra X-Ray Center

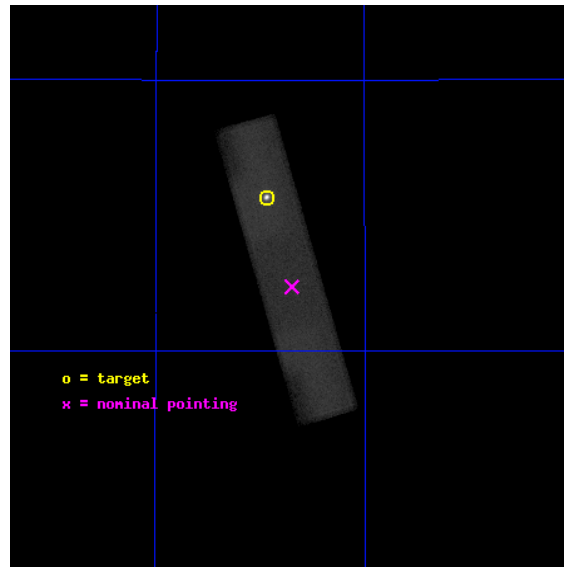
L2 Processing Date : Aug 11 2012

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# 1 Front

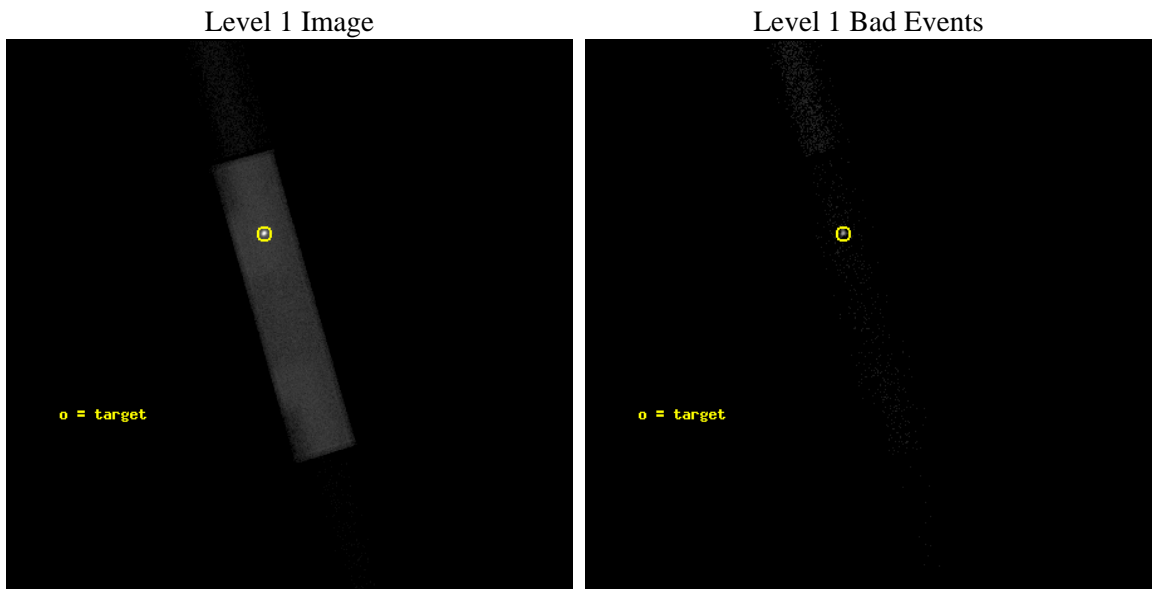
seq_num	290561	Sequence number
obs_id	6468	Observation id
title	AO7 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.17400492932	Nominal RA [deg]
dec_nom	38.619130706855	Nominal Dec [deg]
roll_nom	253.90533264606	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2161.9813516736	[s]
livetime	873.97048264933	Ontime multiplied by DTCOR
l2events	384185	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	2161.9813516736	[s]
caldbver	4.5.1.1	&#160	l1events	462381	Number of level 1 events
date	2012-08-11T11:20:55	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

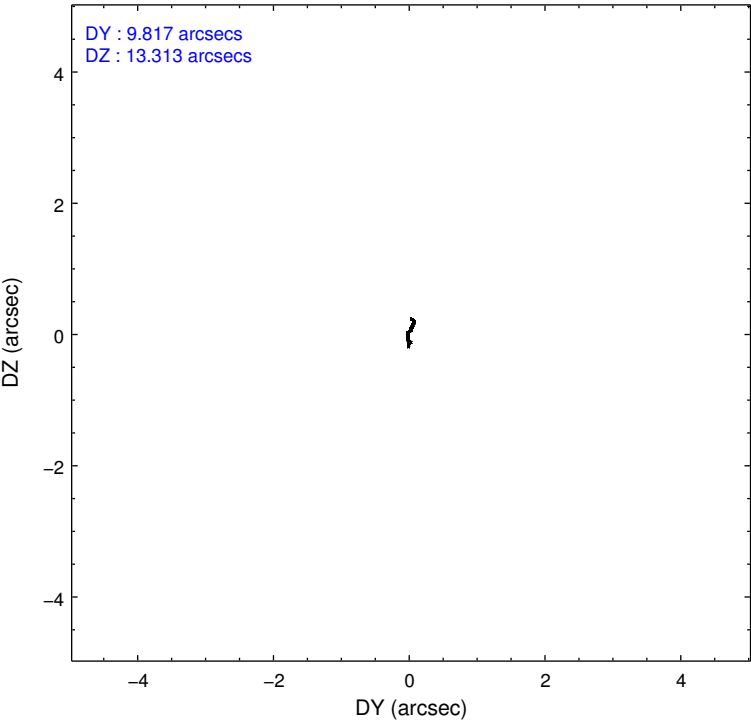
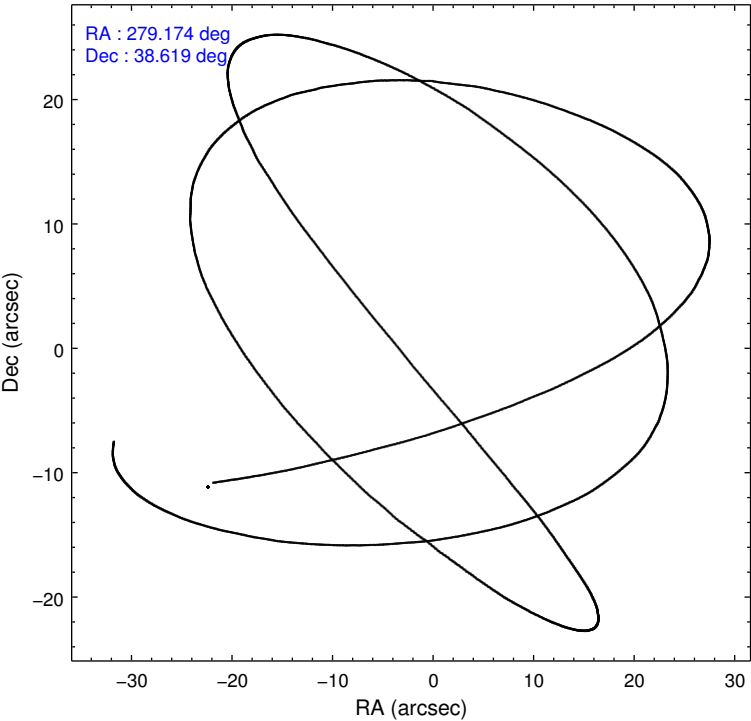
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	16057	444226	2098
rejected events	15961	45579	2098
rejected %	99%	10%	100%

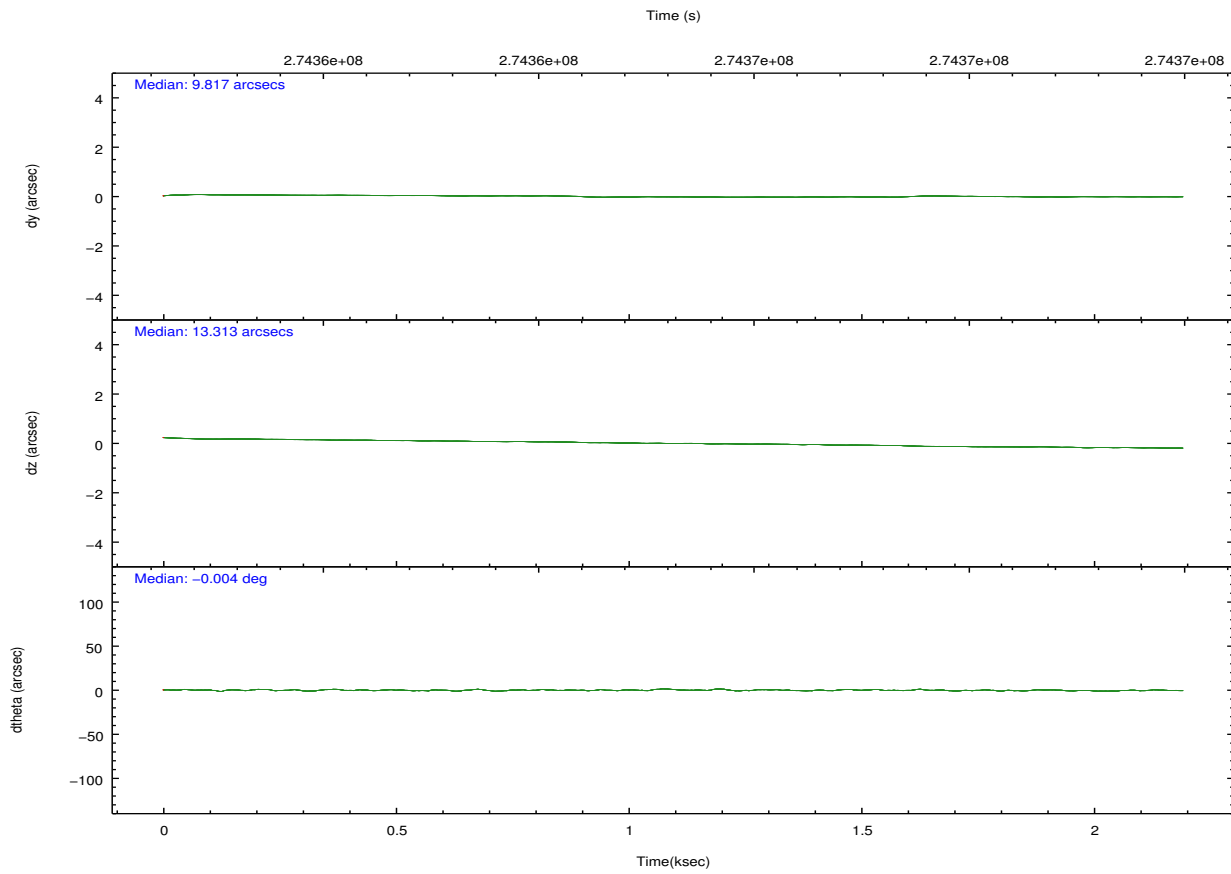
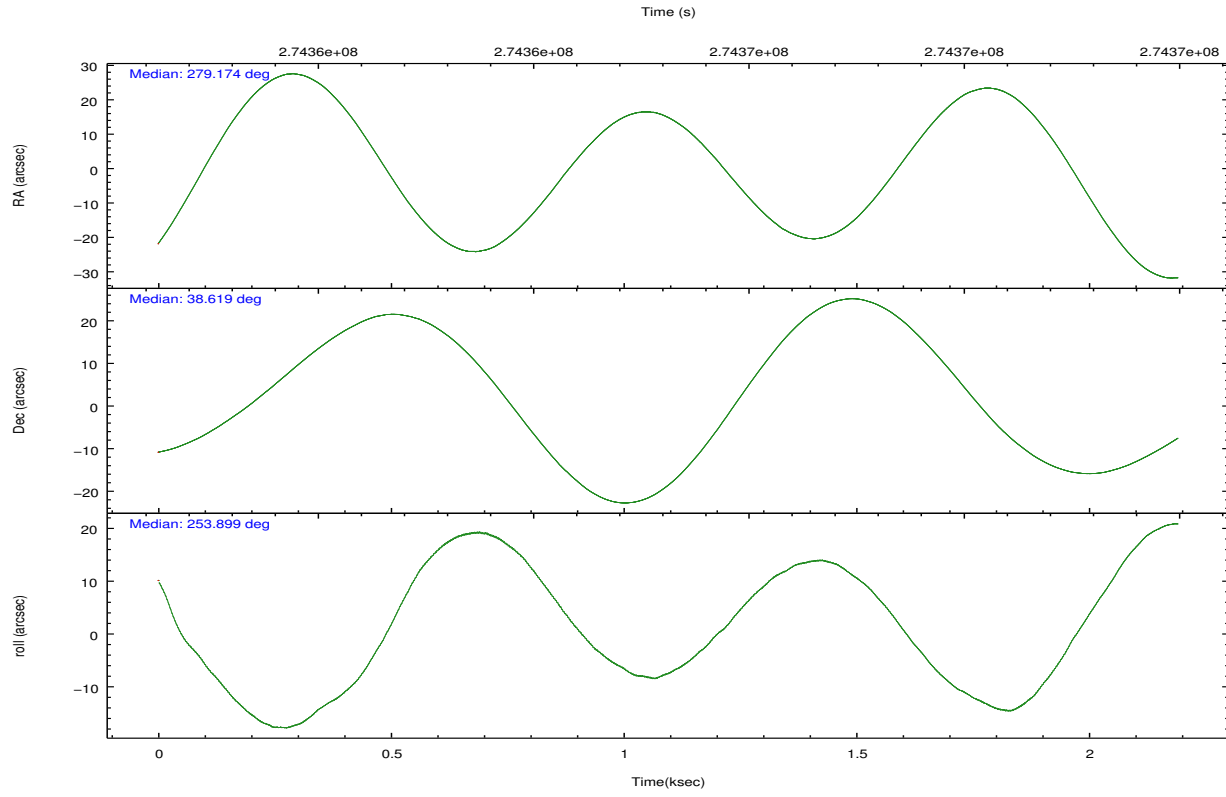
## 2.2 Compared Parameters

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	279.163109	279.1740049293244
[deg] Pointing Dec	38.646639	38.61913070685485
[deg] Pointing Roll	253.844801	253.9053326460584
[s] Window start time (MET)	270777665.184000	270777665.184000
[s] Window stop time (MET)	275961665.184000	275961665.184000
[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)	274364414.184000	274364037.53795
Observation start date	2006-09-11T12:19:09	2006-09-11T12:13:57
[s] Observation end time (MET)	274366414.184000	274366547.76307
Observation end date	2006-09-11T12:52:29	2006-09-11T12:55:47

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

2.3 Aspect





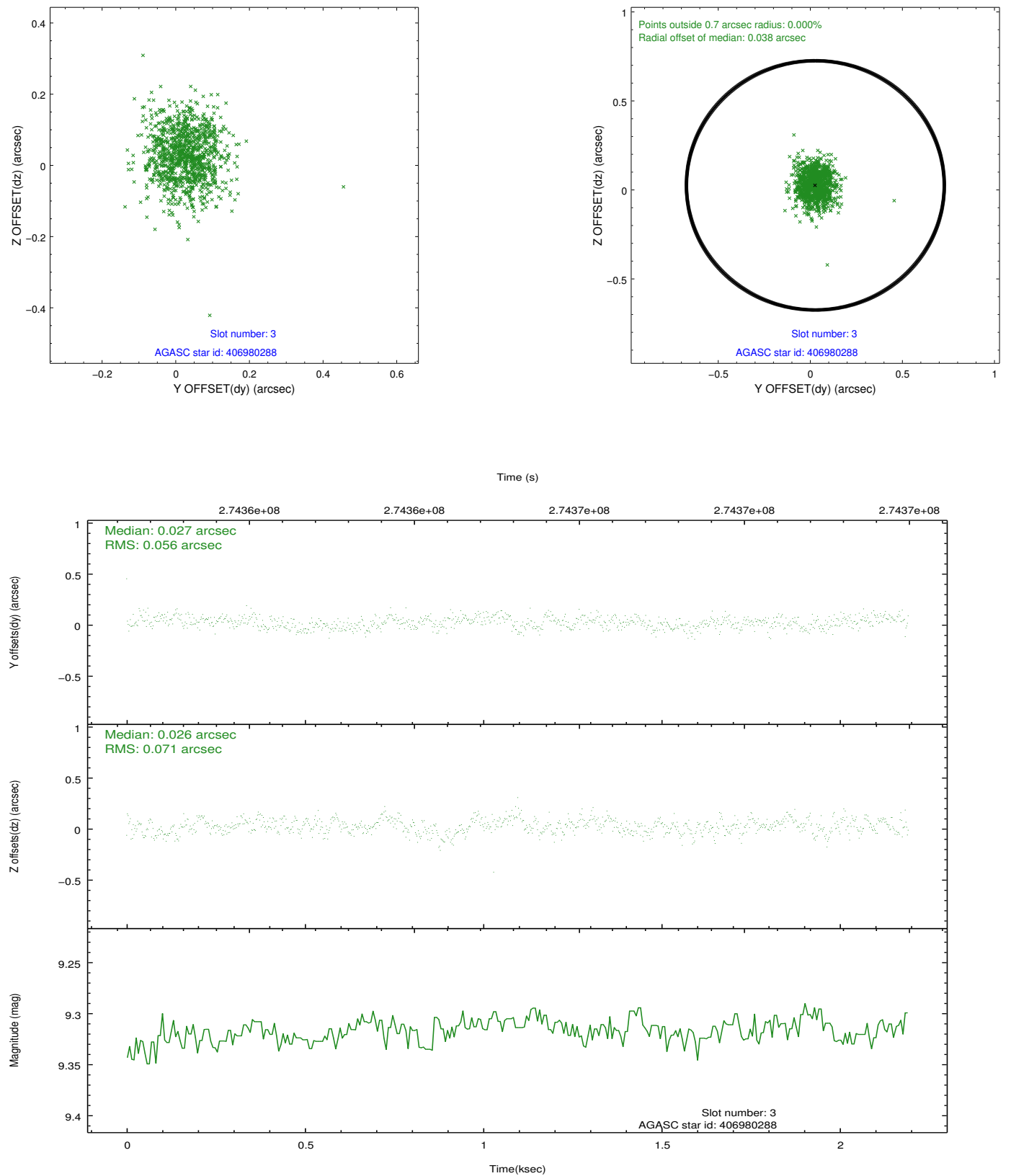
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.05	535	0.141	-0.171	0.009	0.014	0.000000	0.000000	-1164.01	-462.12
1	FID	HRC-S-2	7.03	535	0.136	-0.108	0.005	0.009	0.000000	0.000000	1233.46	-455.54
2	FID	HRC-S-3	7.05	535	0.113	-0.024	0.010	0.015	0.000000	0.000000	-1164.47	566.70
3	GUIDE	406980288	9.32	1068	0.027	0.026	0.093	0.154	278.903147	39.061646	-1235.27	-1114.30
4	GUIDE	406983600	8.92	1063	-0.005	0.034	0.089	0.148	279.940957	39.020708	-1908.48	1711.27
5	GUIDE	406985120	7.42	1070	0.064	-0.121	0.077	0.118	278.839732	38.894839	-609.00	-1118.72
6	GUIDE	406987272	6.95	1070	-0.087	0.075	0.056	0.088	278.536588	38.437504	1208.44	-1491.04
7	GUIDE	406993992	7.65	1069	0.003	-0.021	0.057	0.090	279.053714	38.034587	2203.94	313.40

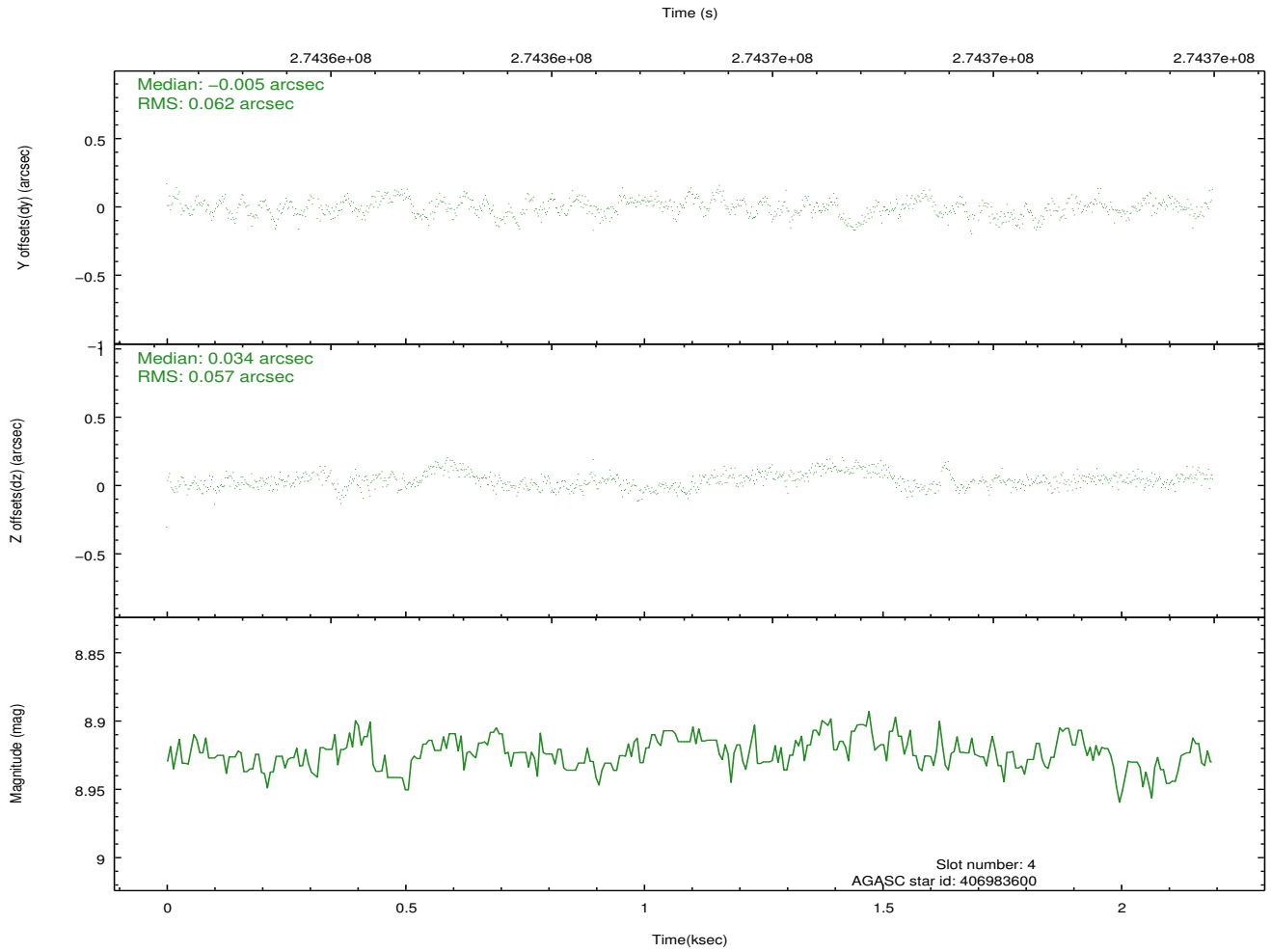
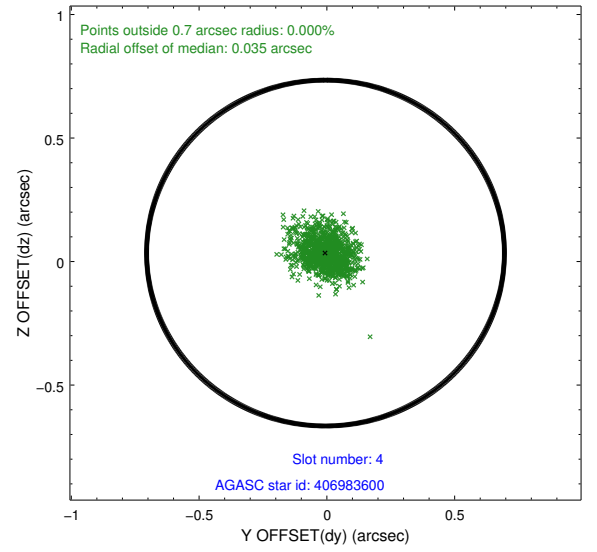
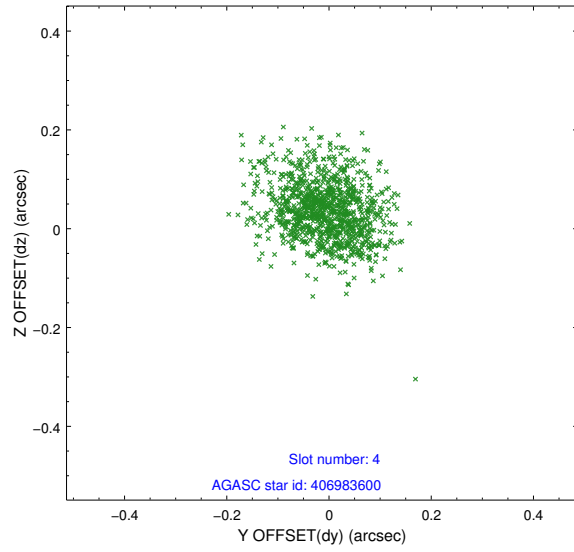


## 2.4 Star Slots

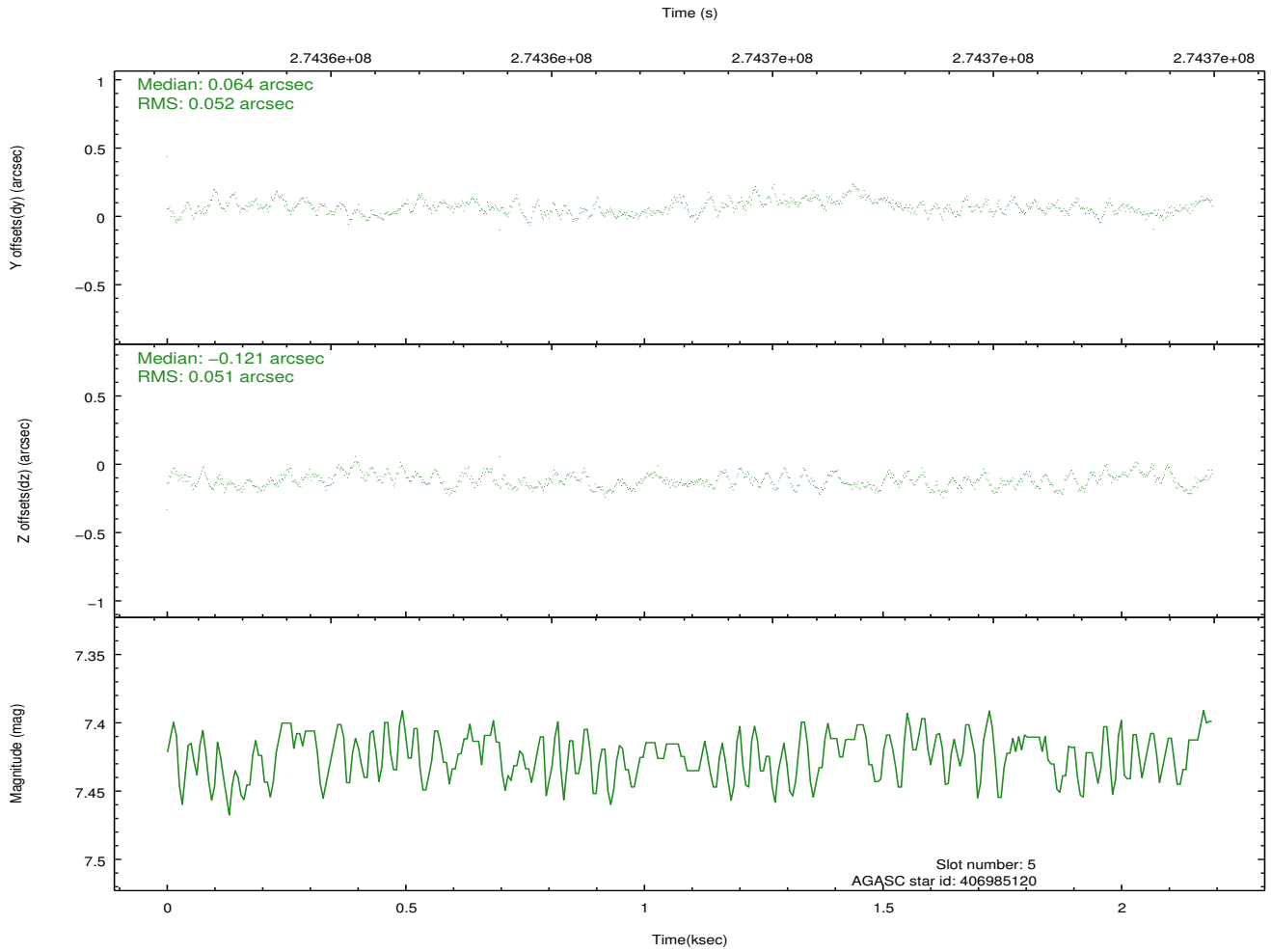
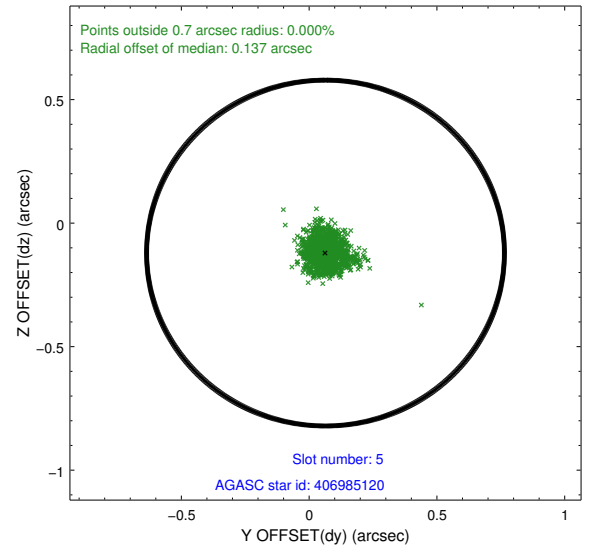
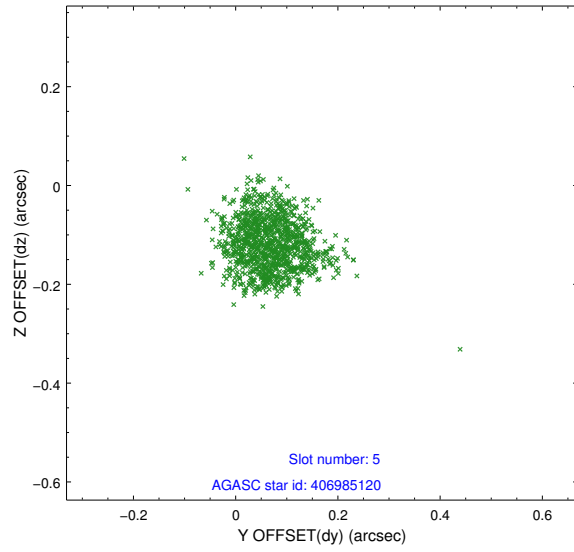
### 2.4.1 Slot 3



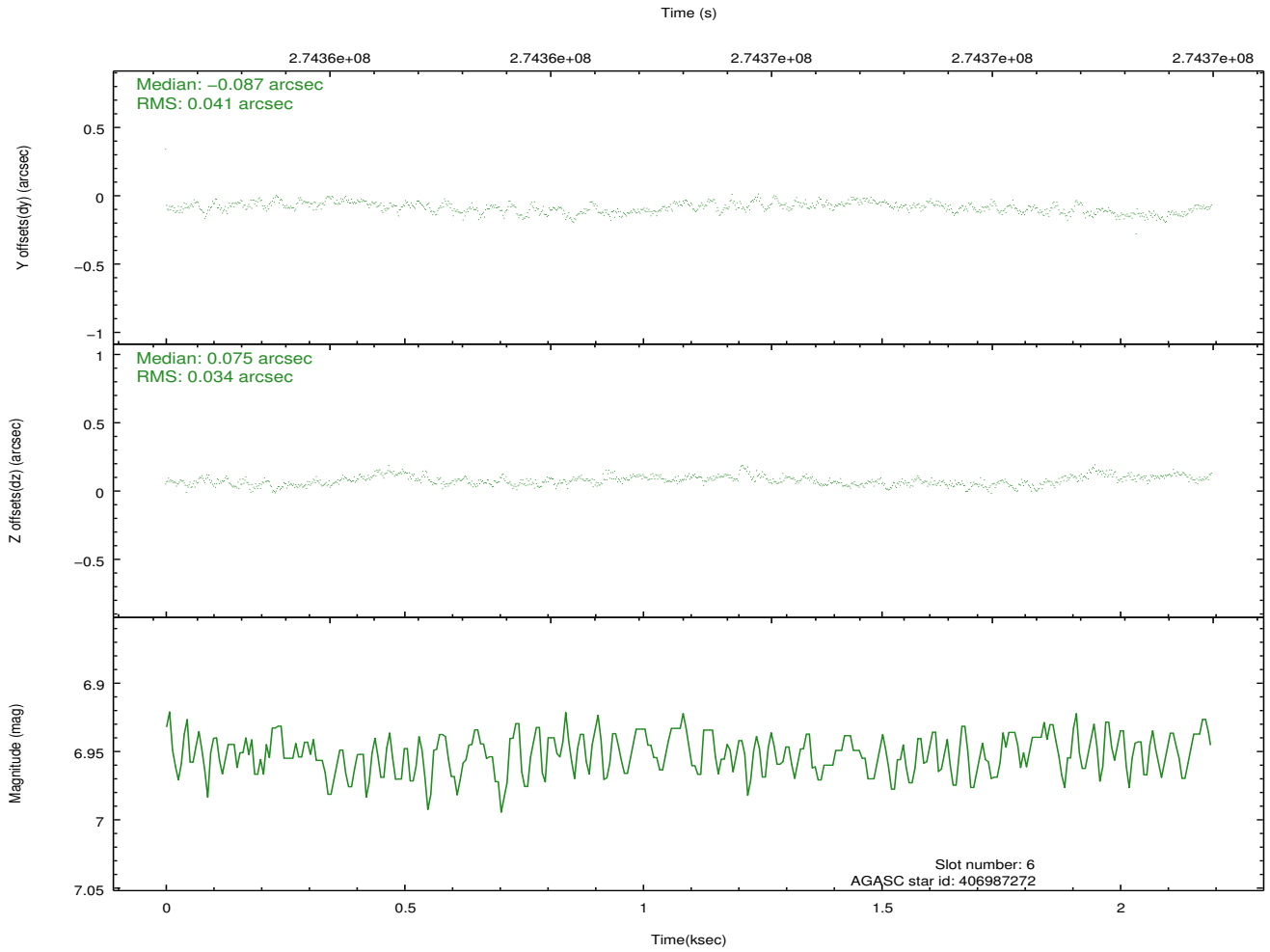
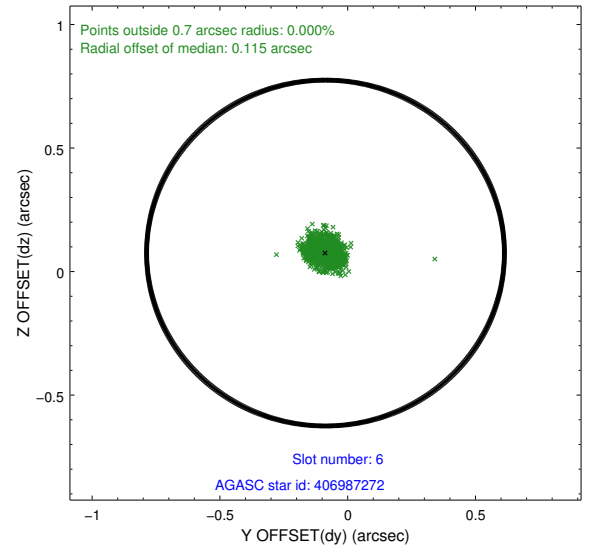
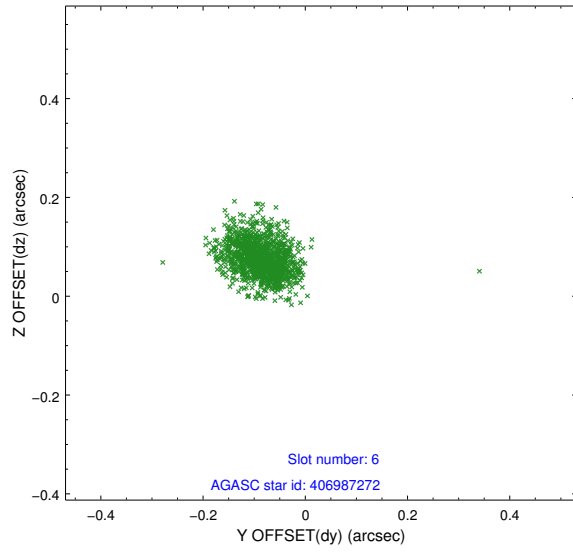
## 2.4.2 Slot 4



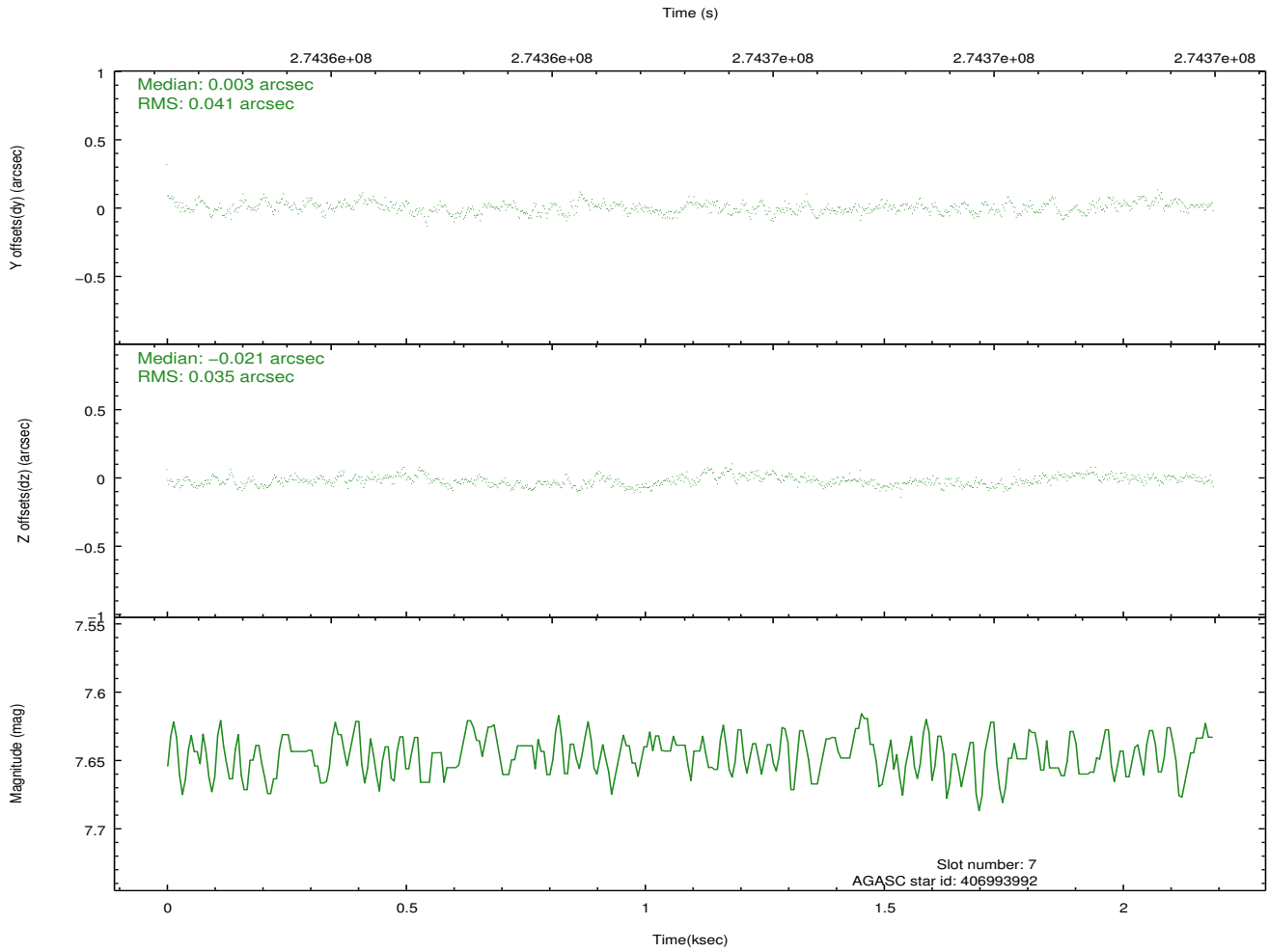
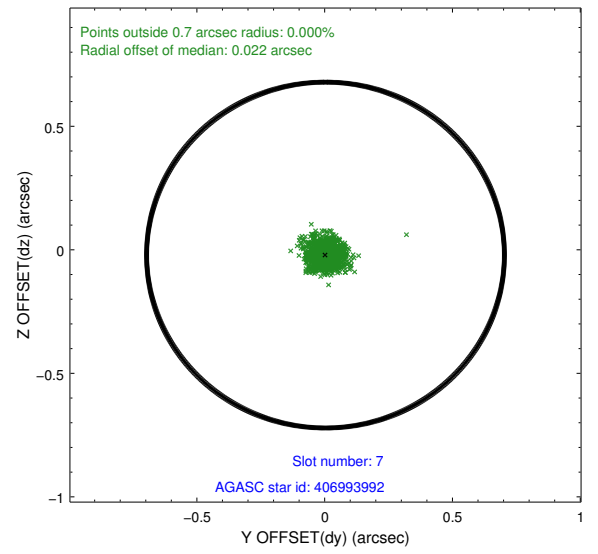
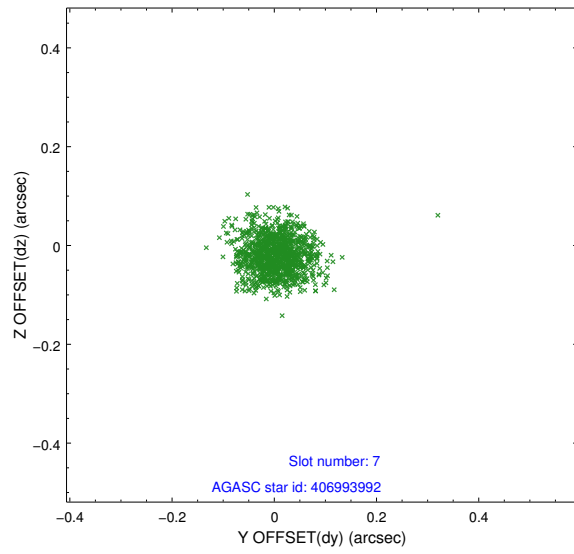
### 2.4.3 Slot 5



## 2.4.4 Slot 6

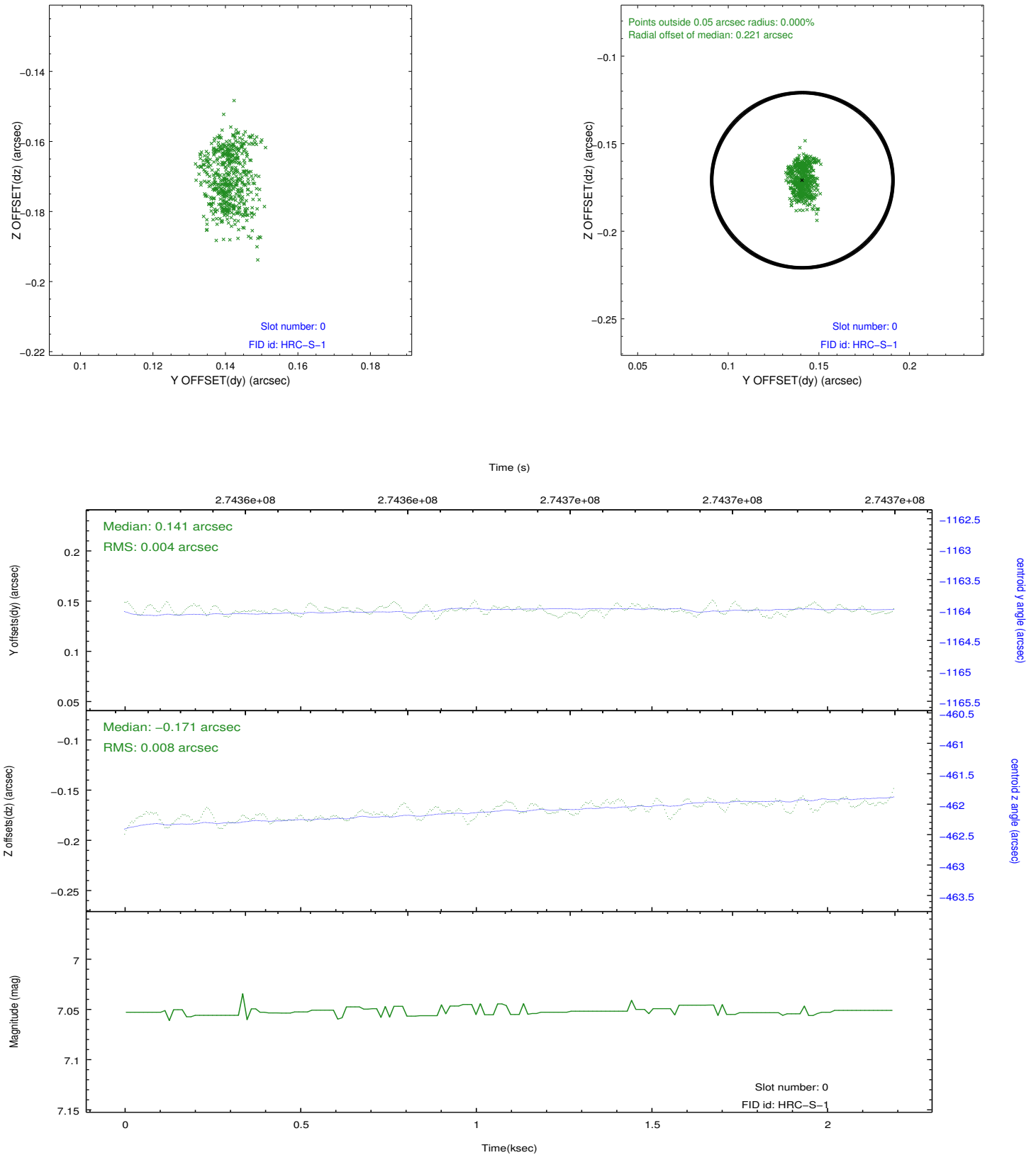


## 2.4.5 Slot 7

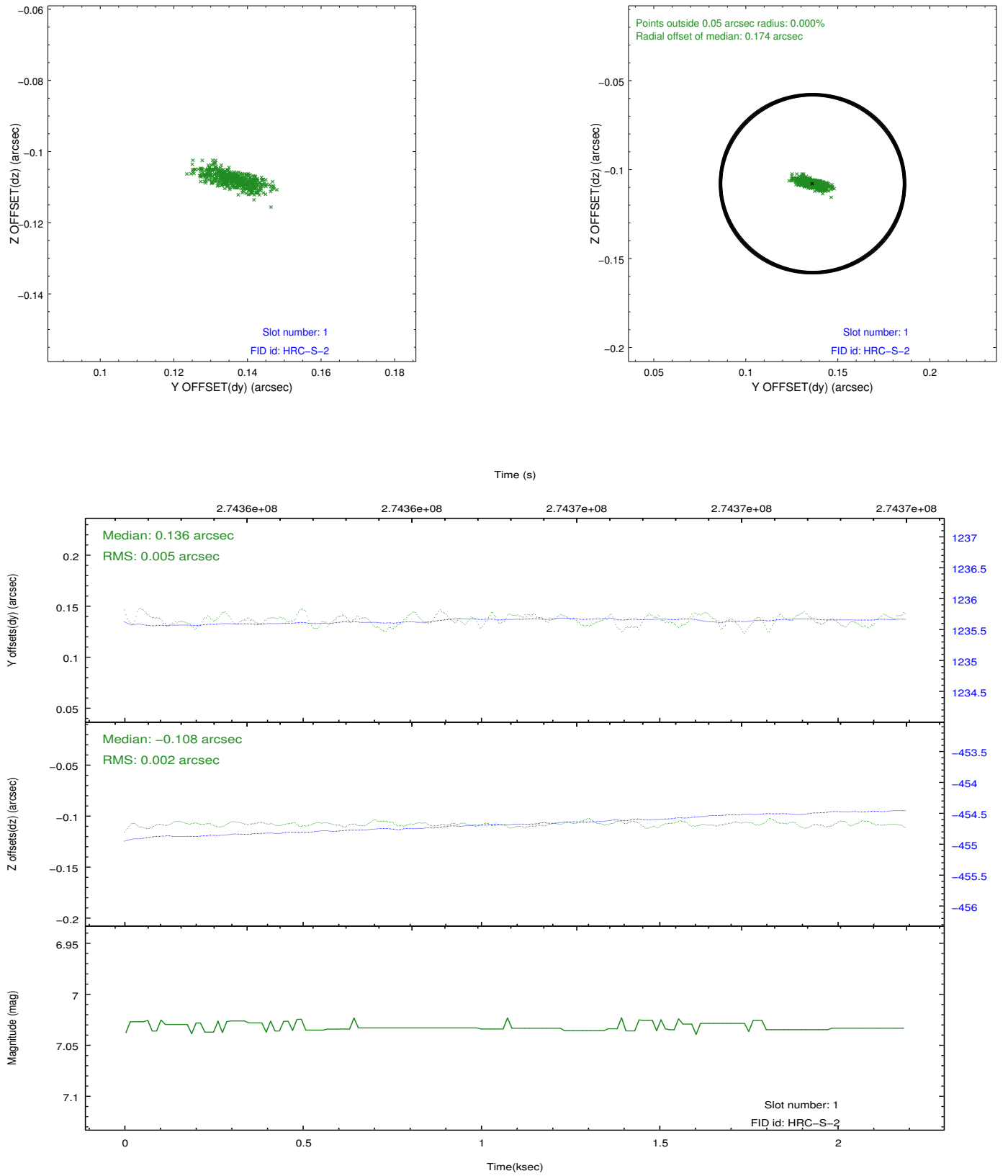


## 2.5 FID Slots

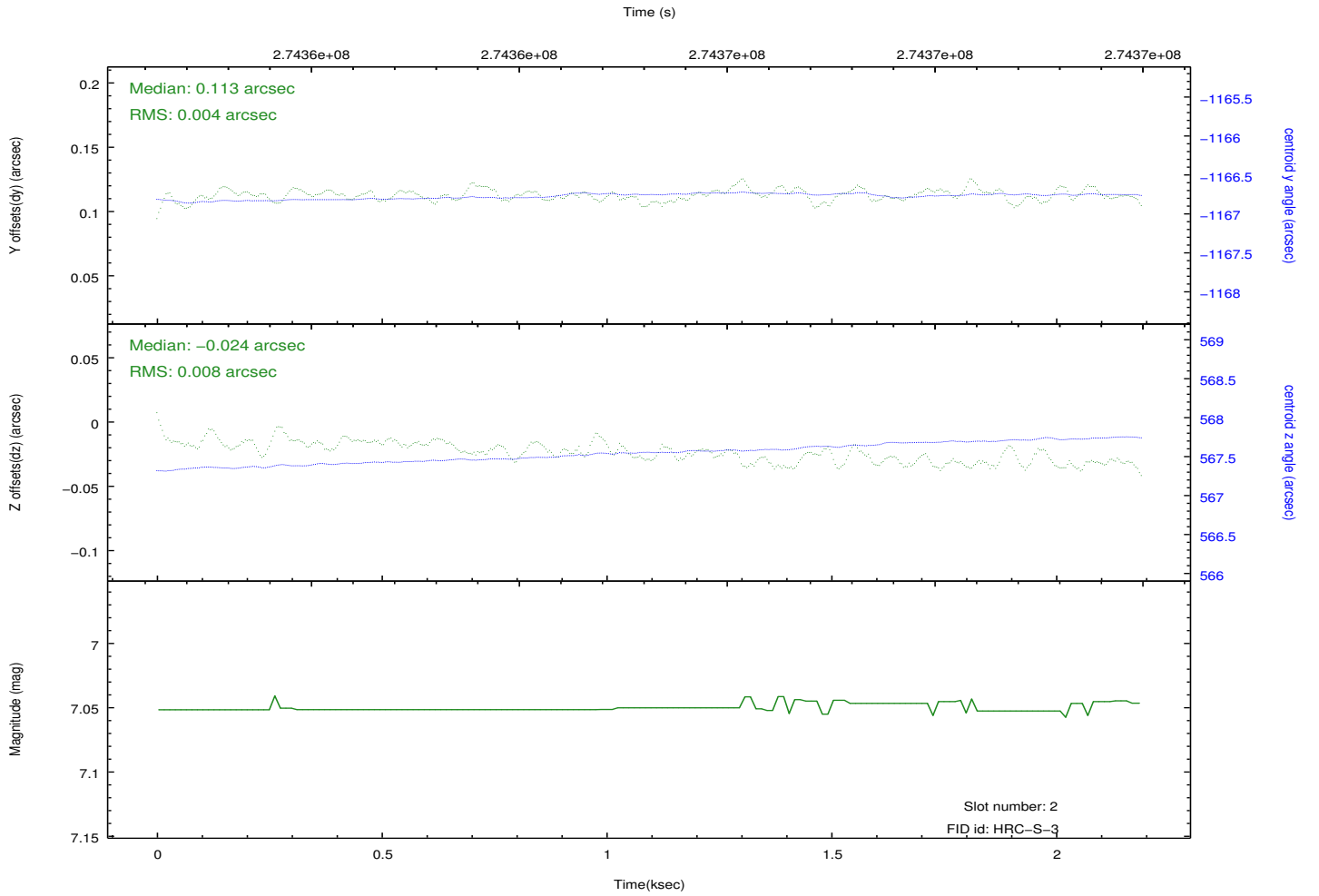
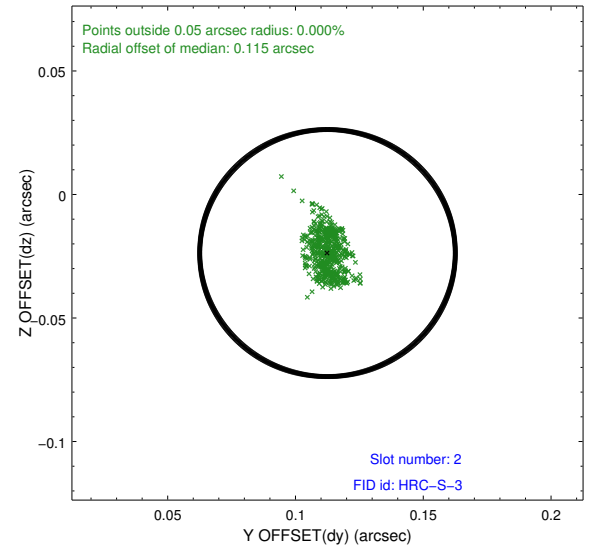
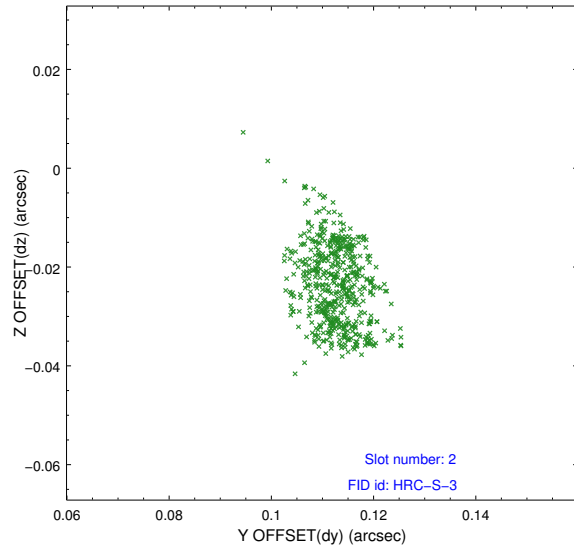
### 2.5.1 Slot 0



## 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)	2012.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.16198135

### A.2 Comments

Window preference met.