

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10628 - L2 Version 3  
Chandra X-Ray Center

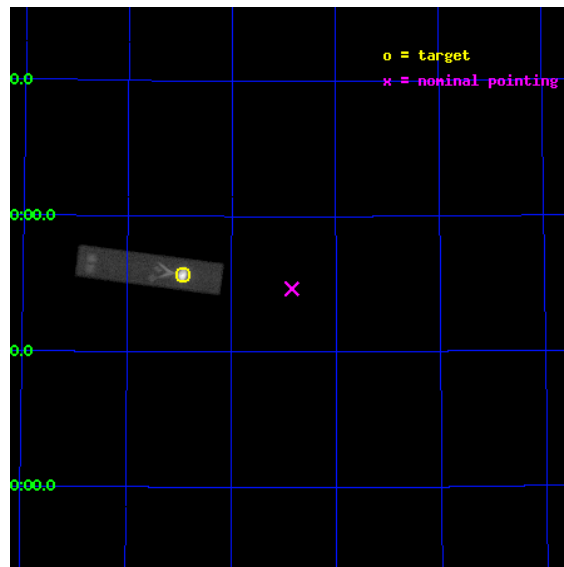
L2 Processing Date : Aug 12 2012

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# 1 Front

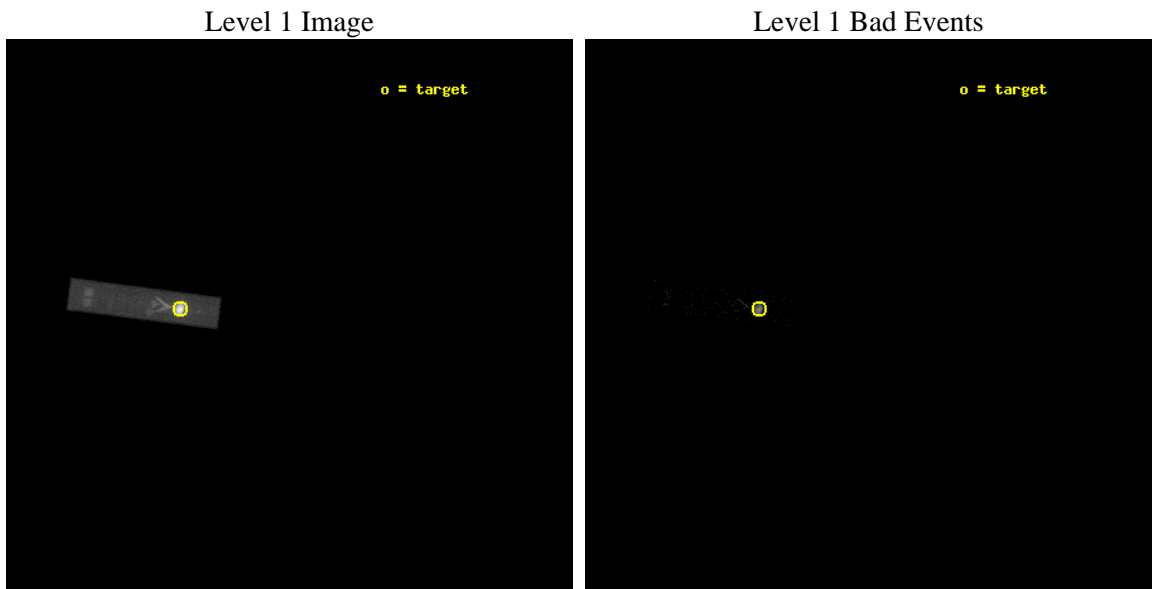
seq_num	290864	Sequence number
obs_id	10628	Observation id
title	AO-10 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	278.71078581108	Nominal RA [deg]
dec_nom	38.733141478036	Nominal Dec [deg]
roll_nom	7.3046649335581	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2186.5813581347	[s]
livedtime	824.47665678066	Ontime multiplied by DTCOR
l2events	386375	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	2186.5813581347	[s]
caldbver	4.5.1.1	&#160	l1events	438777	Number of level 1 events
date	2012-08-13T00:40:19	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

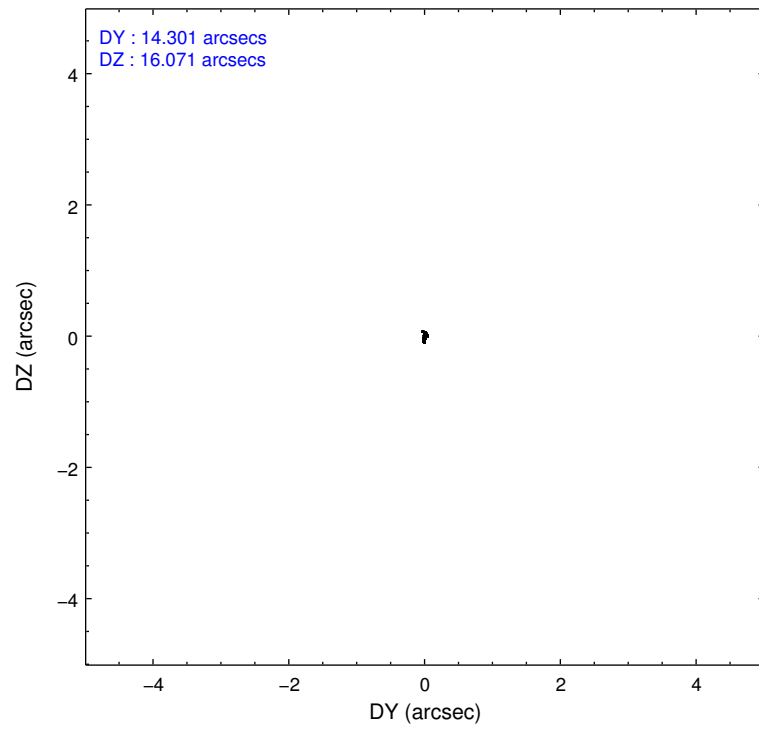
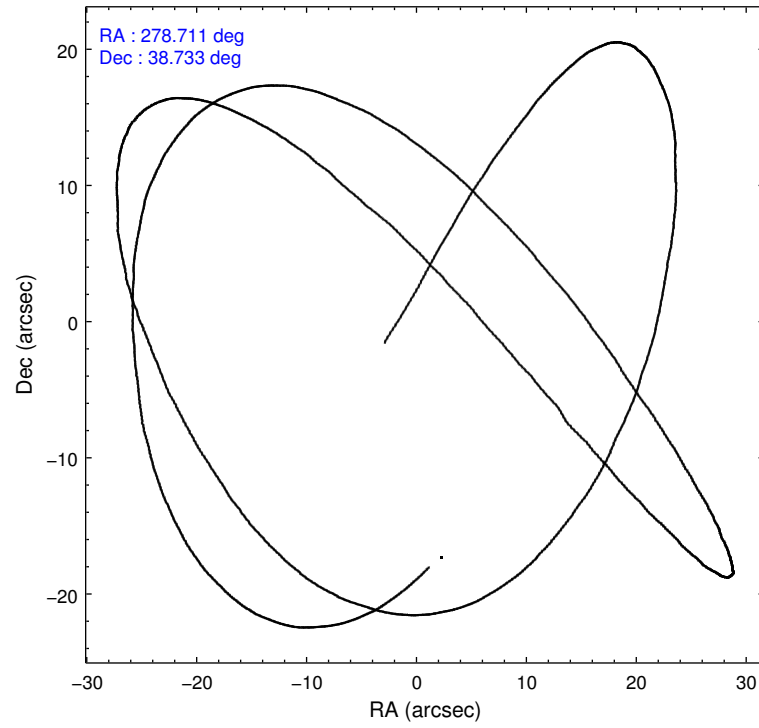
	segment 1	segment 2	segment 3
level 1 events	0	34	438743
rejected events	0	2	35593
rejected %	0%	5%	8%

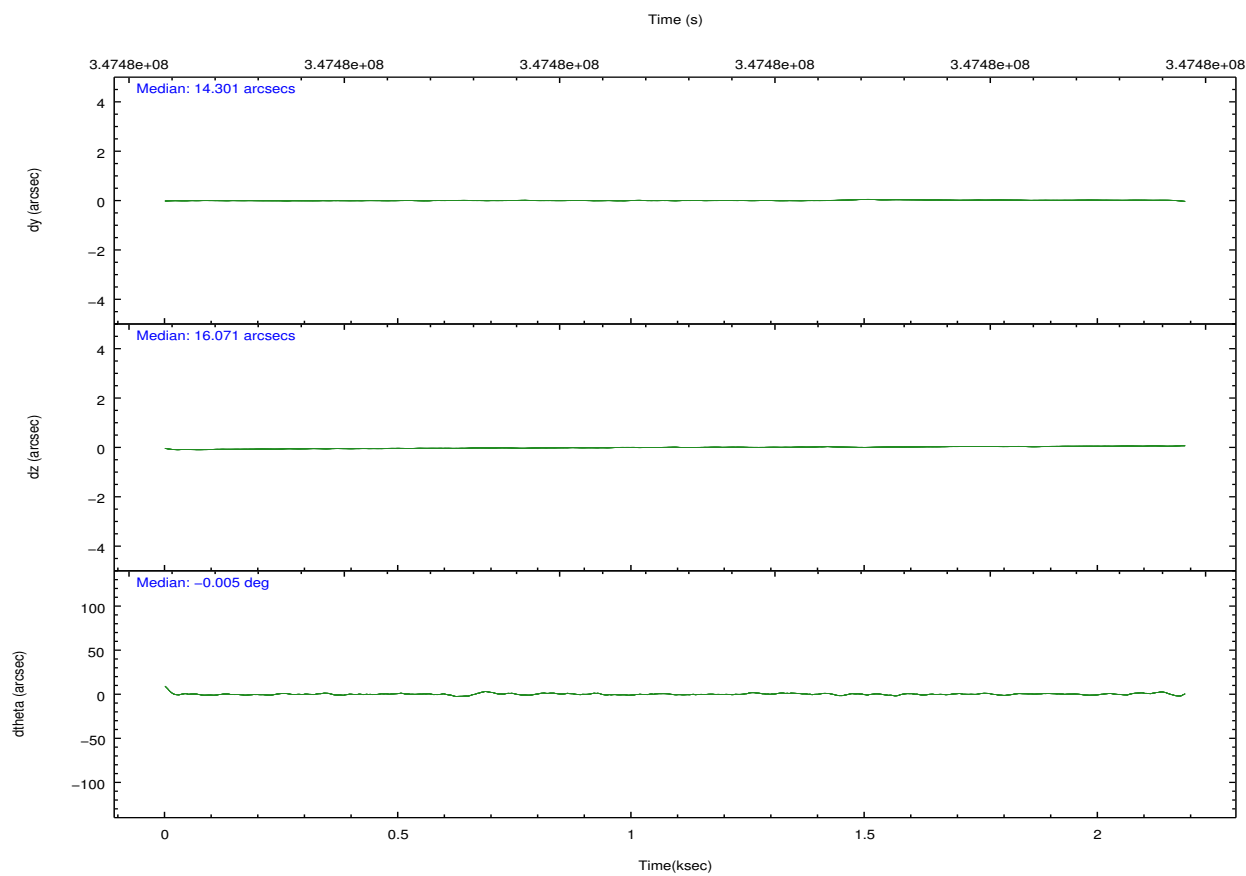
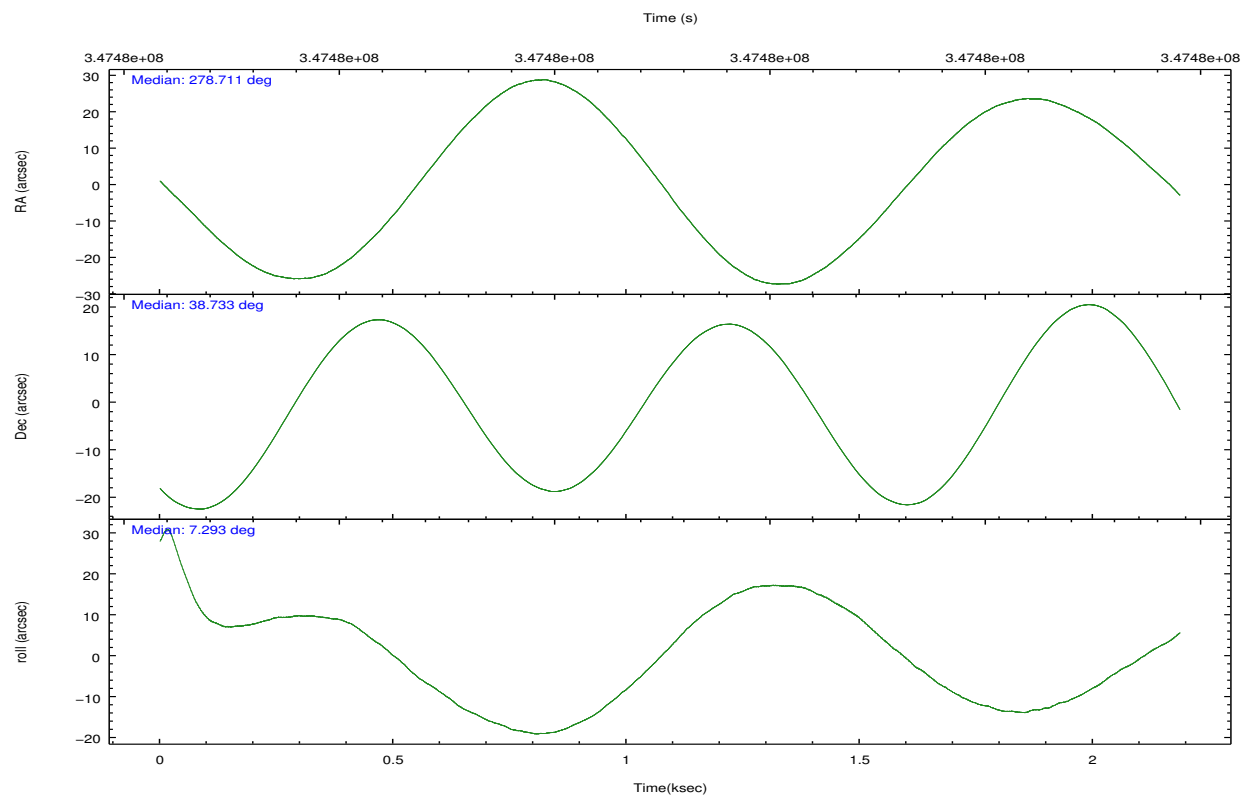
## 2.2 Compared Parameters

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	278.682687	278.7107858110797
[deg] Pointing Dec	38.714475	38.73314147803634
[deg] Pointing Roll	7.254925	7.304664933558122
[s] Window start time (MET)	344476865.184000	344476865.184000
[s] Window stop time (MET)	352166466.184000	352166466.184000
[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)	347475868.184000	347475488.88852
Observation start date	2009-01-04T17:03:22	2009-01-04T16:58:08
[s] Observation end time (MET)	347477868.184000	347478044.21364
Observation end date	2009-01-04T17:36:42	2009-01-04T17:40:44

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

## 2.3 Aspect





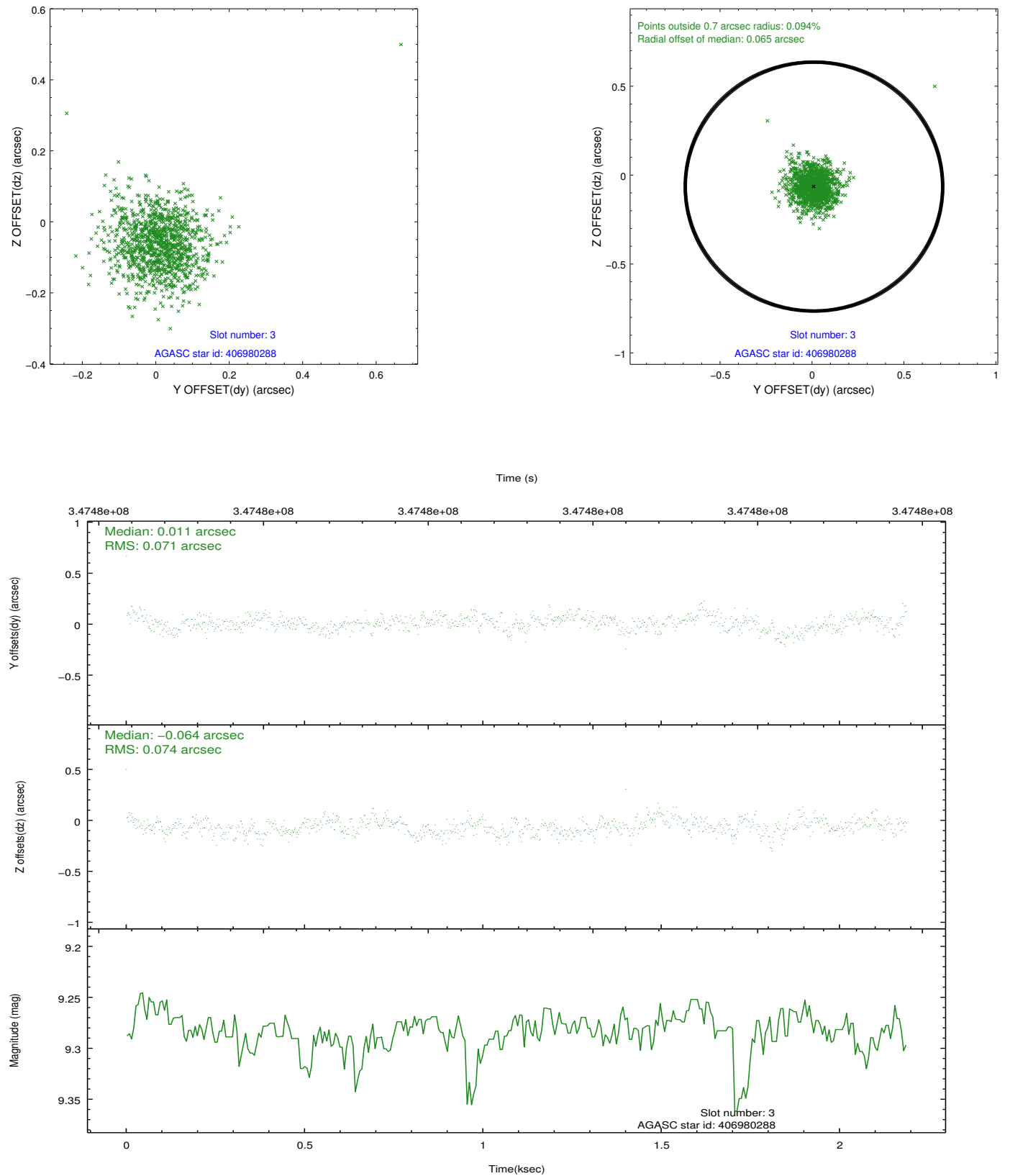
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	534	0.025	-0.139	0.005	0.009	0.000000	0.000000	-1168.71	-464.97
1	FID	HRC-S-2	7.00	534	0.158	-0.168	0.008	0.014	0.000000	0.000000	1228.89	-458.42
2	FID	HRC-S-4	6.95	534	0.221	0.004	0.007	0.013	0.000000	0.000000	1231.99	566.49
3	GUIDE	406980288	9.28	1065	0.011	-0.064	0.105	0.172	278.903147	39.061646	771.07	1164.43
4	GUIDE	406985120	7.41	1068	-0.095	-0.180	0.081	0.143	278.839732	38.894839	519.35	589.51
5	GUIDE	406987272	6.95	1068	0.034	-0.010	0.075	0.120	278.536588	38.437504	-533.74	-936.26
6	GUIDE	406987384	8.95	1066	-0.060	0.192	0.092	0.146	278.815518	38.115336	101.09	-2187.99
7	GUIDE	406989616	8.22	1067	0.109	0.061	0.075	0.117	279.202881	38.520843	1366.62	-874.55

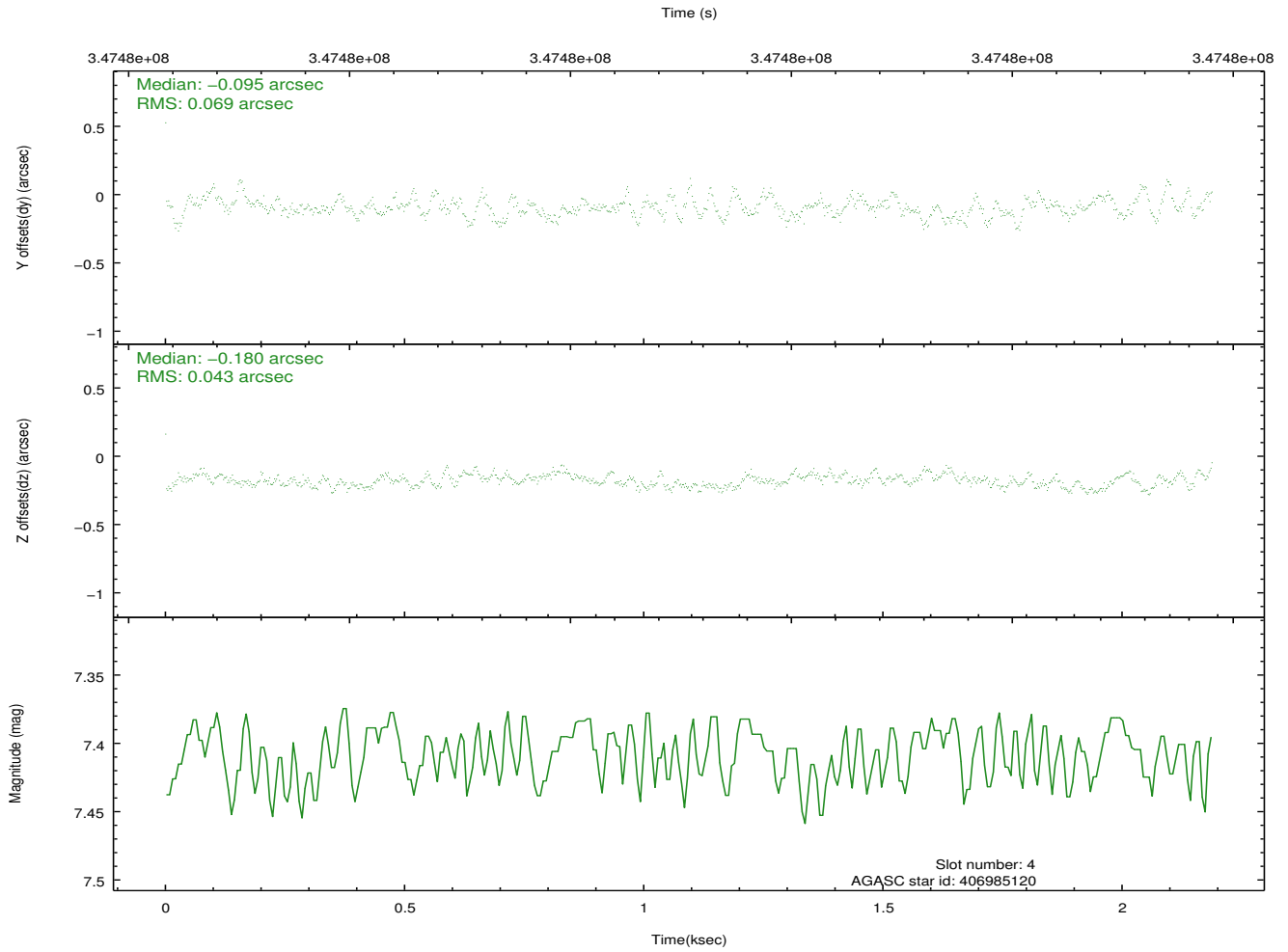
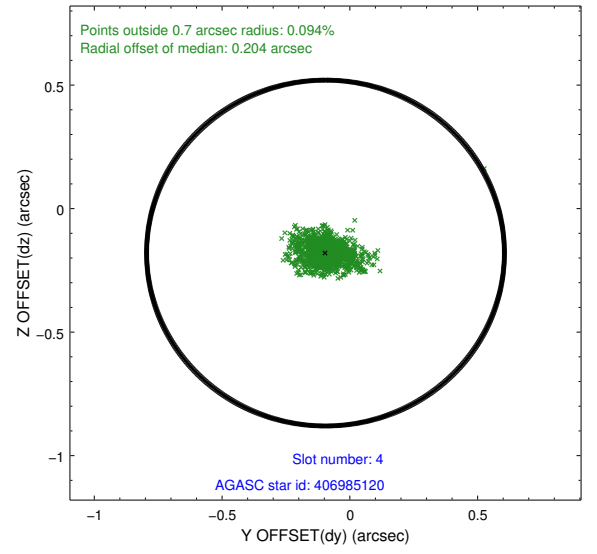
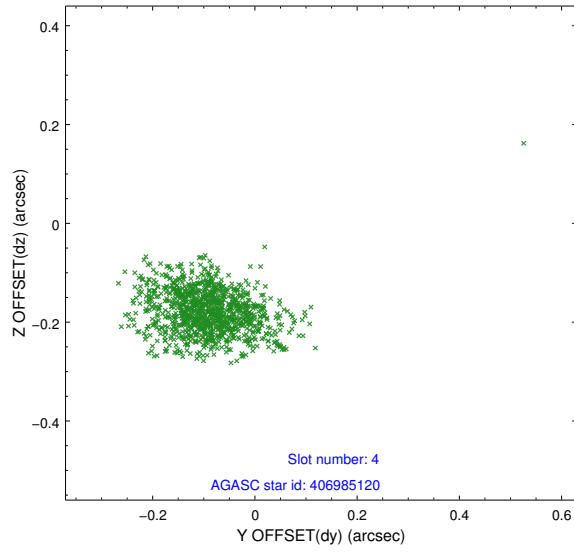


## 2.4 Star Slots

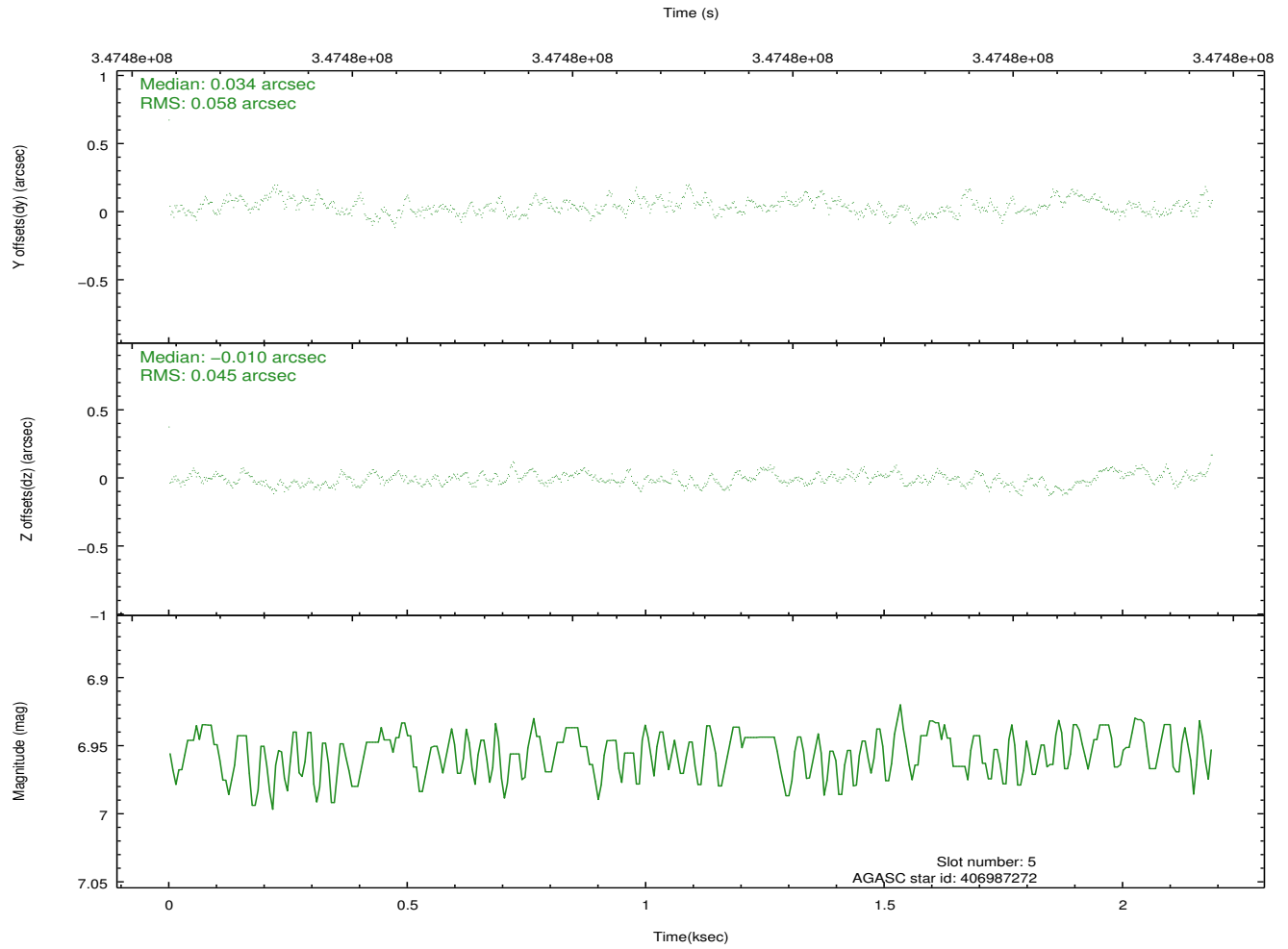
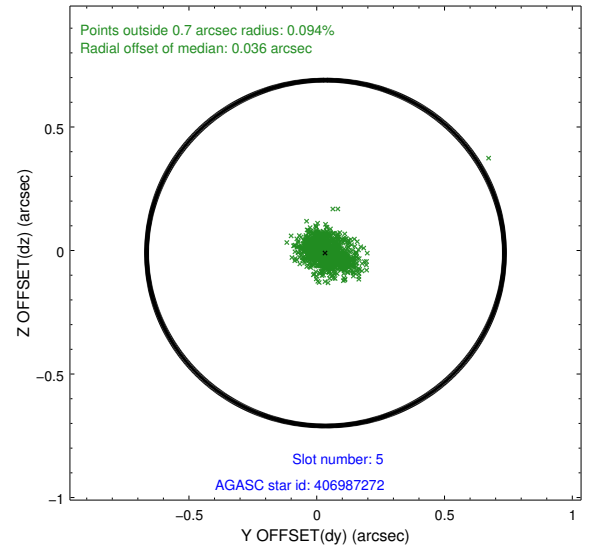
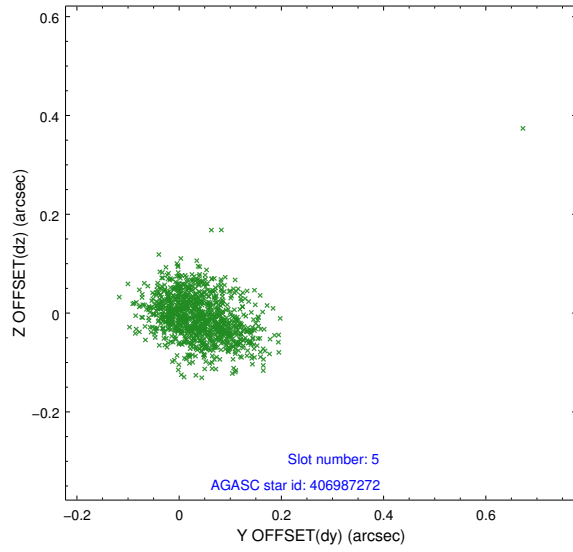
### 2.4.1 Slot 3



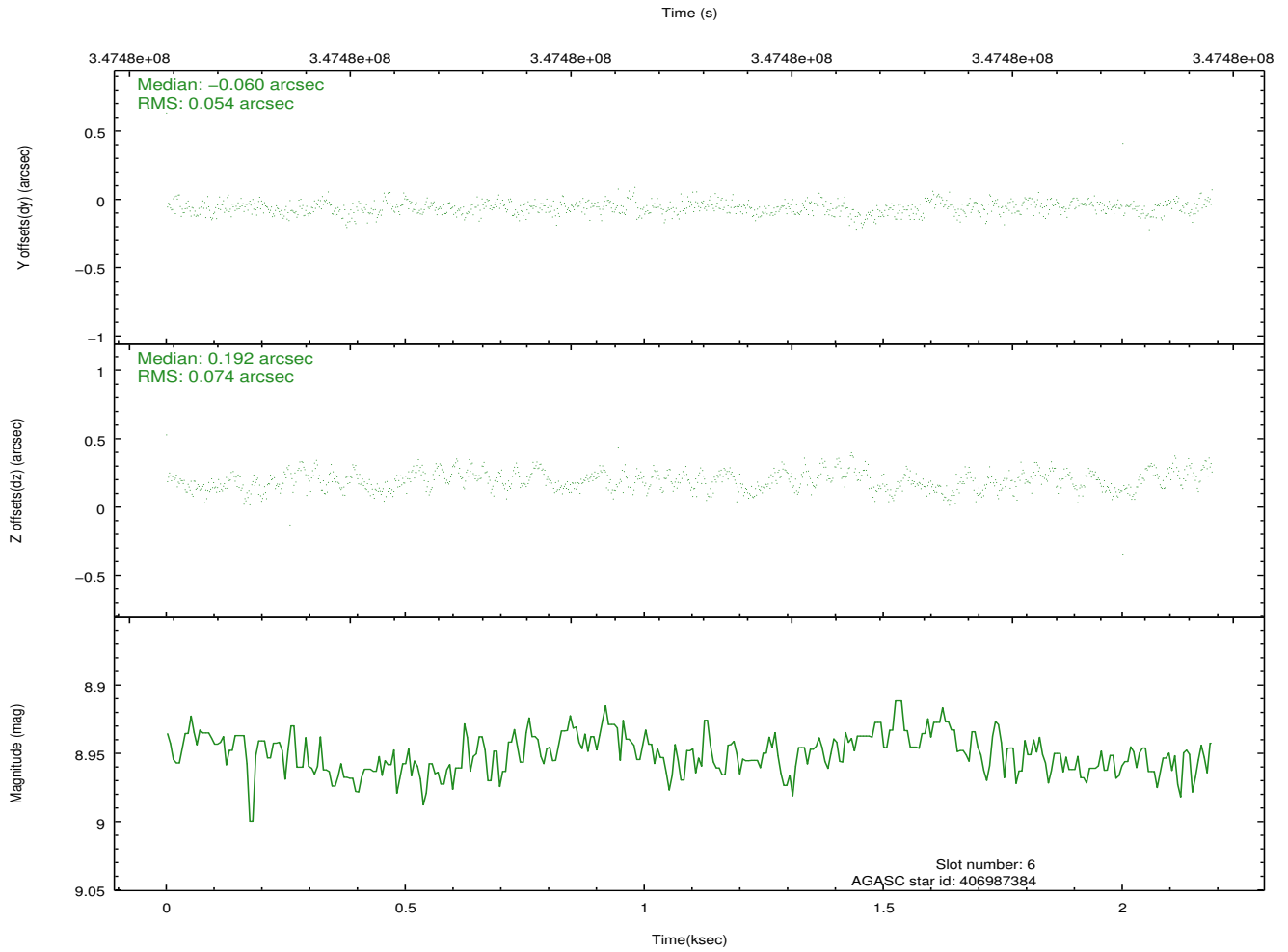
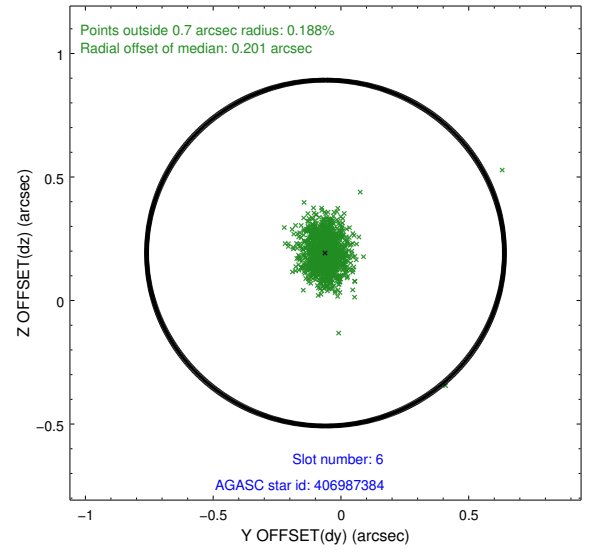
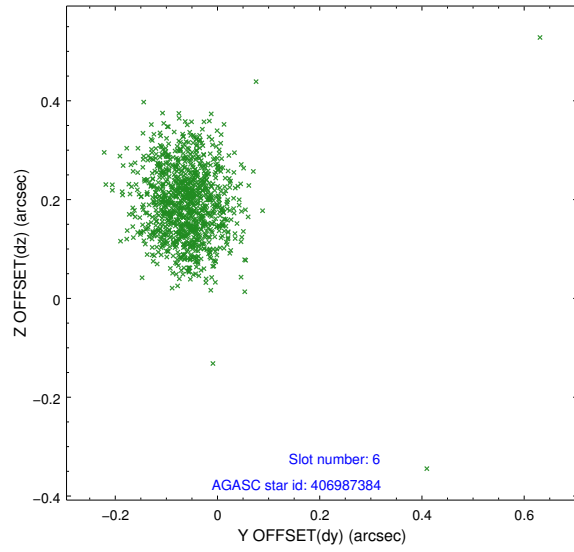
## 2.4.2 Slot 4



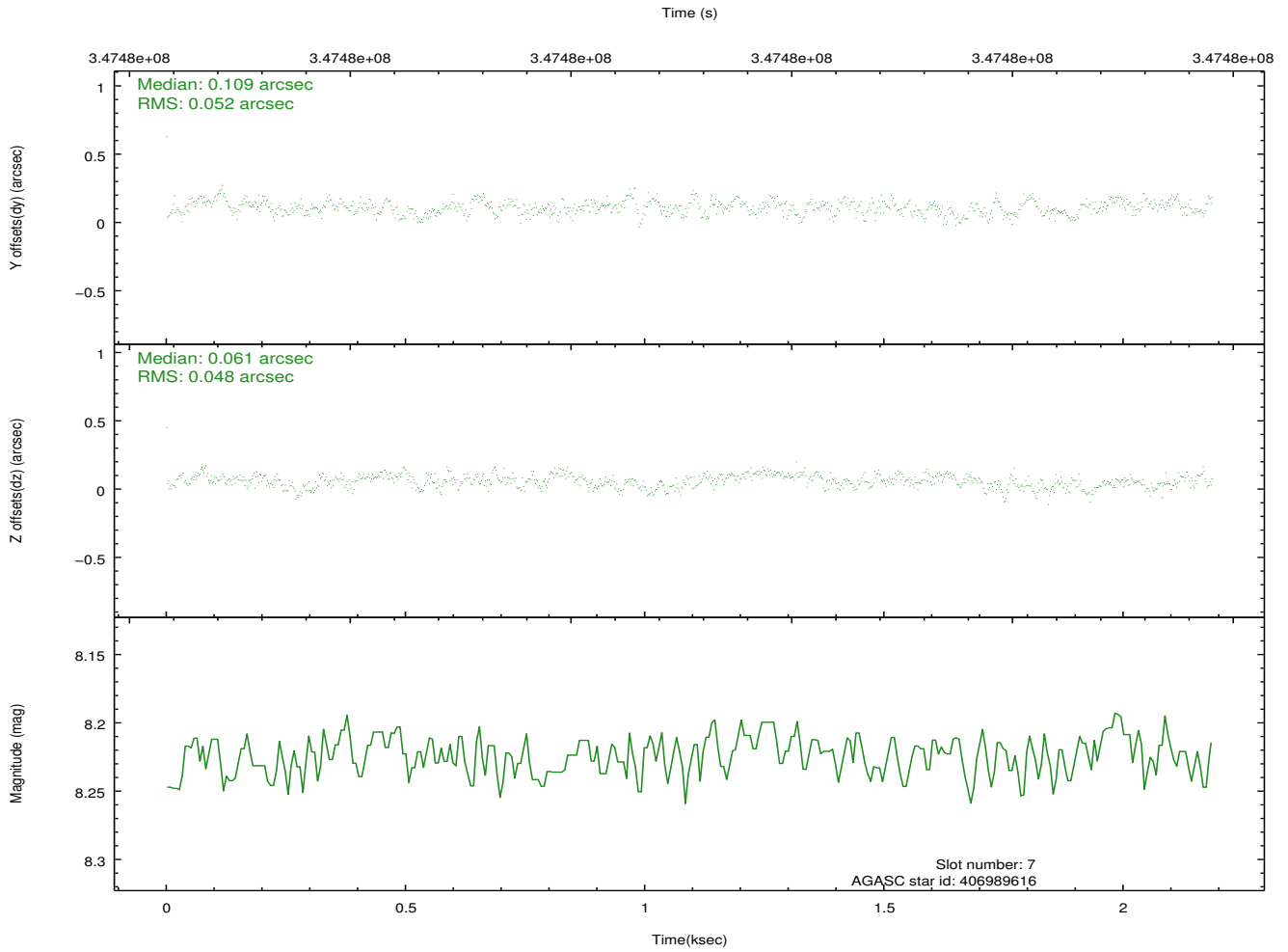
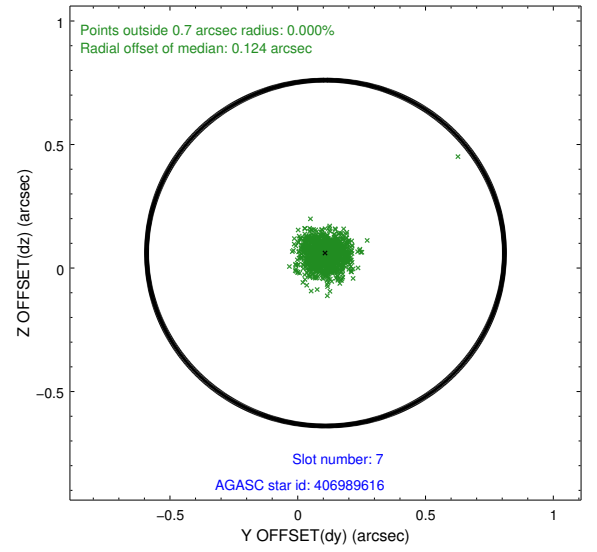
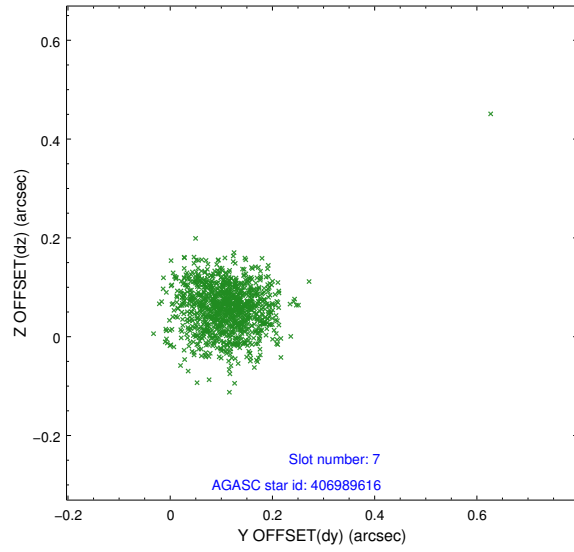
### 2.4.3 Slot 5



## 2.4.4 Slot 6

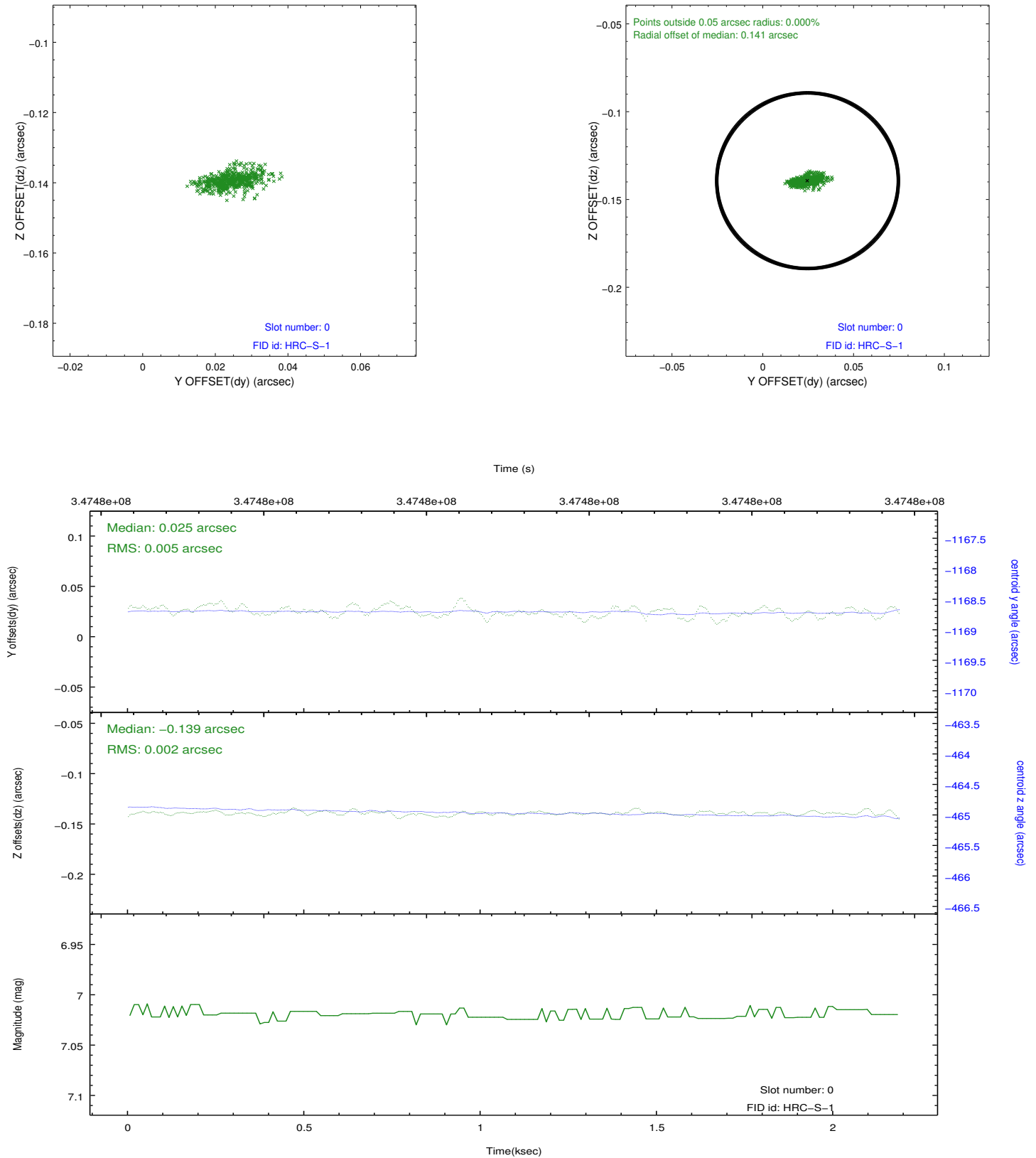


## 2.4.5 Slot 7

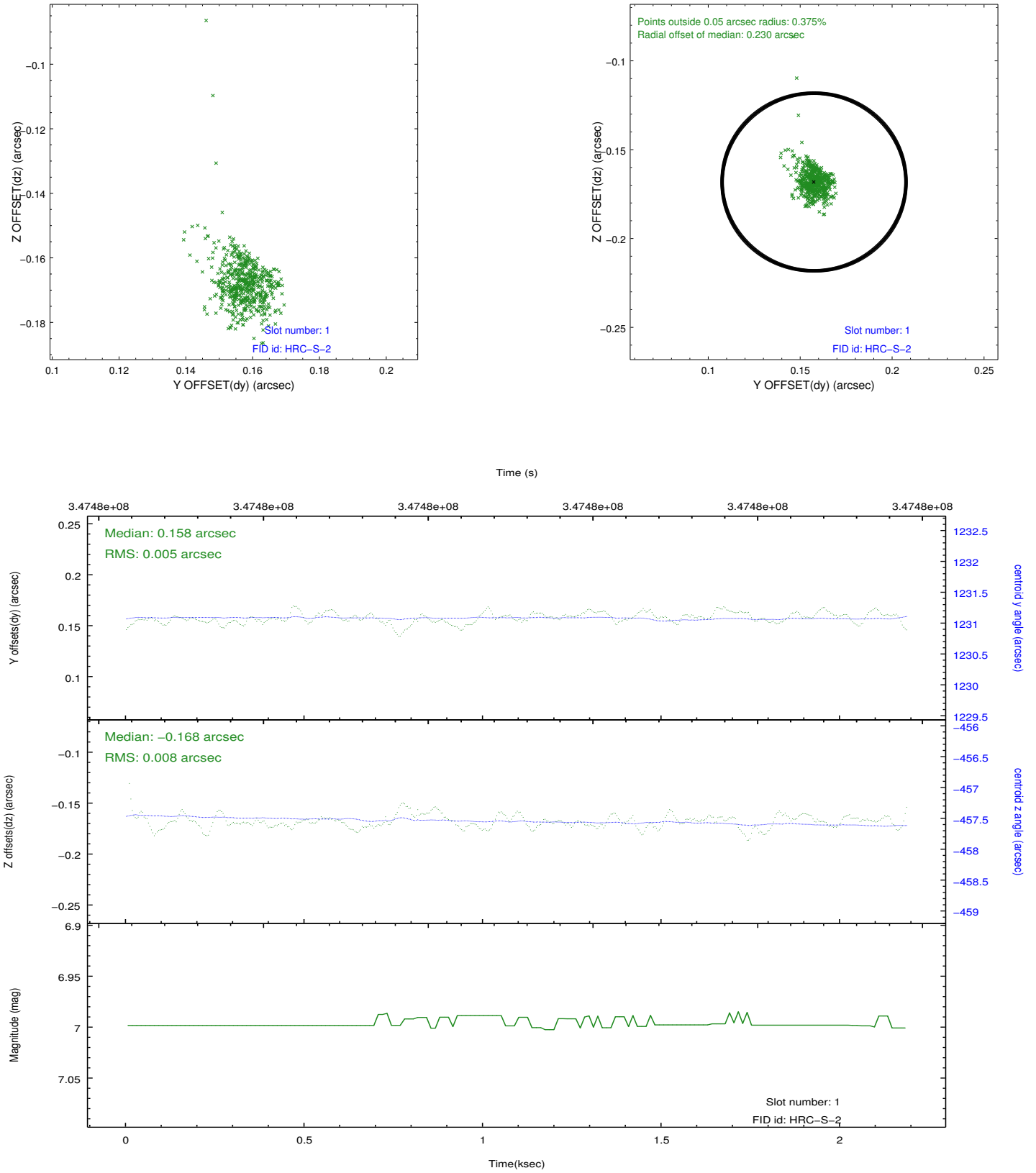


## 2.5 FID Slots

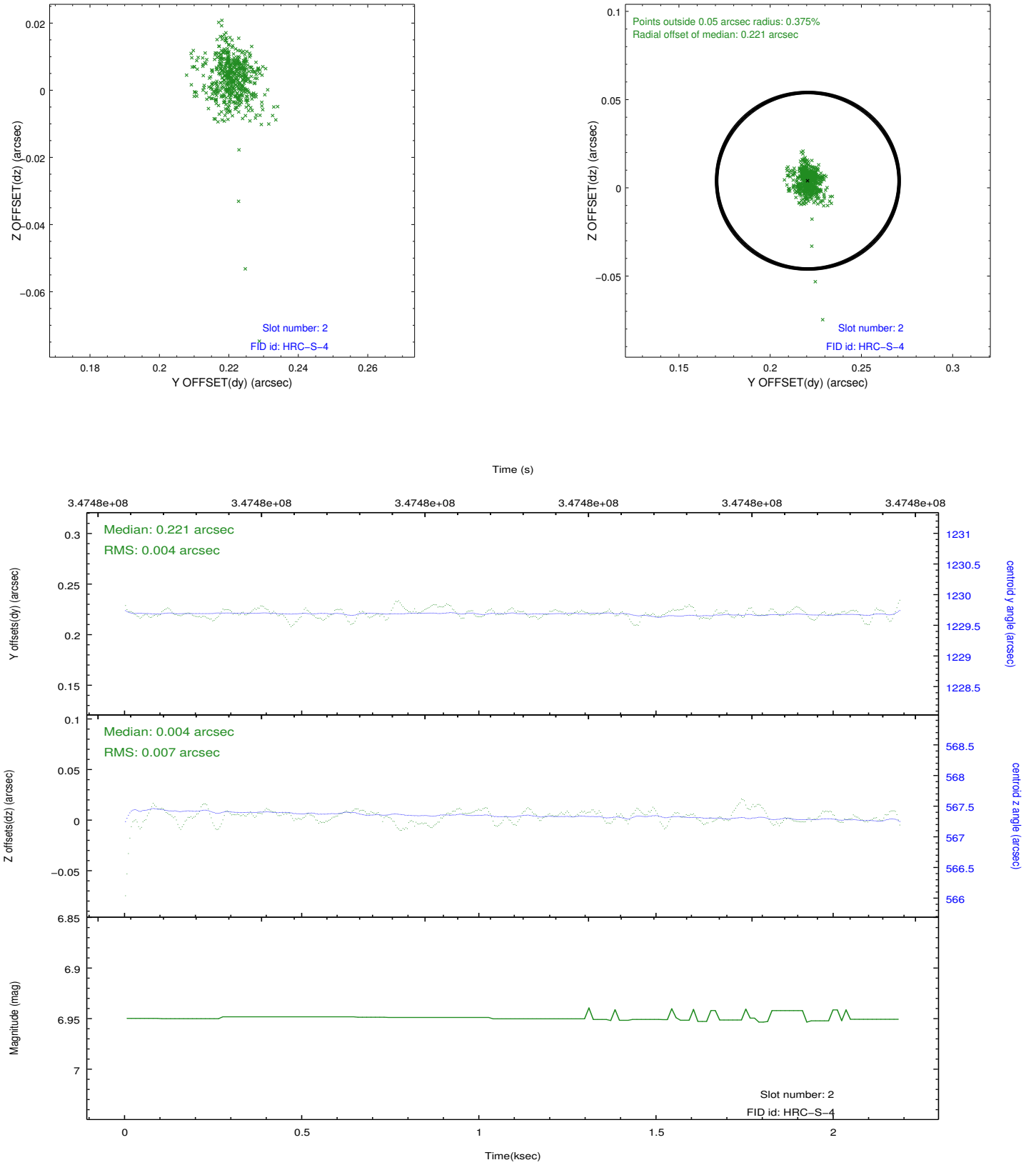
### 2.5.1 Slot 0



## 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	2.18658135

### A.2 Comments

Window constraint met. Target is far off-axis.