

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8280 - L2 Version 4  
Chandra X-Ray Center

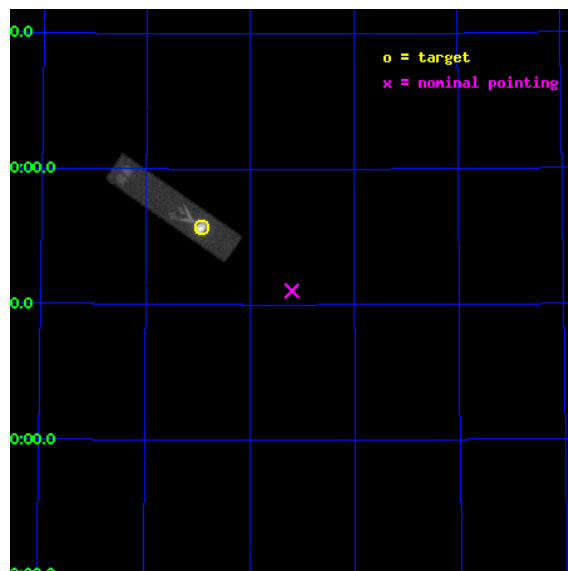
L2 Processing Date : Aug 11 2012

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# 1 Front

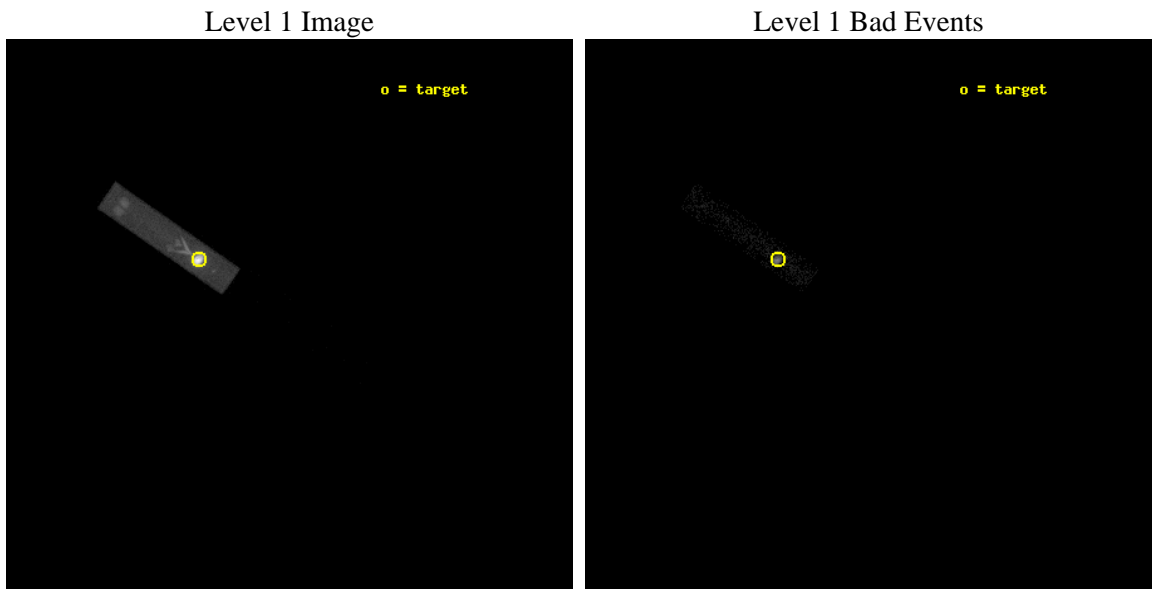
seq_num	290659	Sequence number
obs_id	8280	Observation id
title	AO8 Measurements of the optical/UV Transmission of the HRC Filters.	&#160
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	278.79920638444	Nominal RA [deg]
dec_nom	38.551595260524	Nominal Dec [deg]
roll_nom	34.478644539298	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2186.5813536644	[s]
livetime	831.05985809092	Ontime multiplied by DTCOR
l2events	387399	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	2186.5813536644	[s]
caldsver	4.5.1.1	&#160	l1events	439149	Number of level 1 events
date	2012-08-11T19:10:45	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

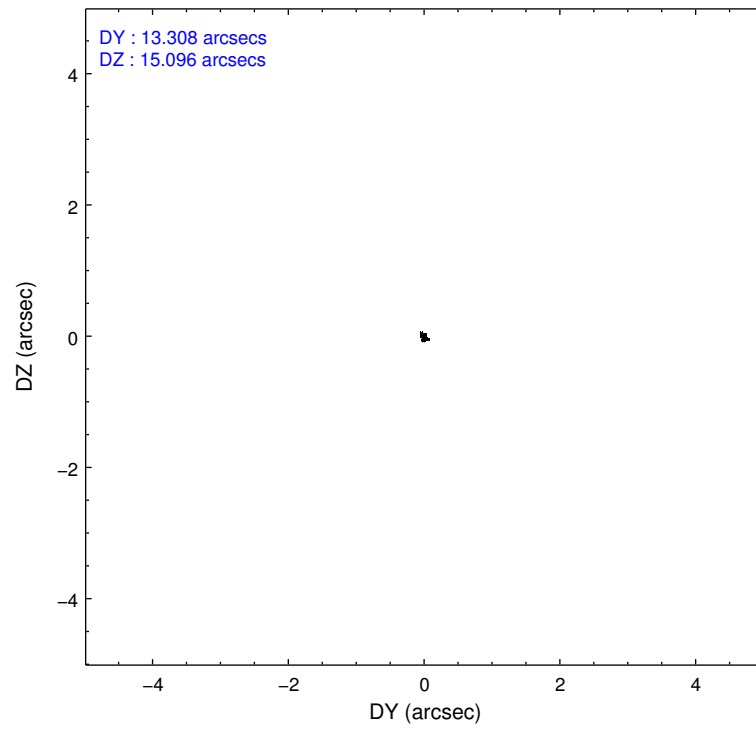
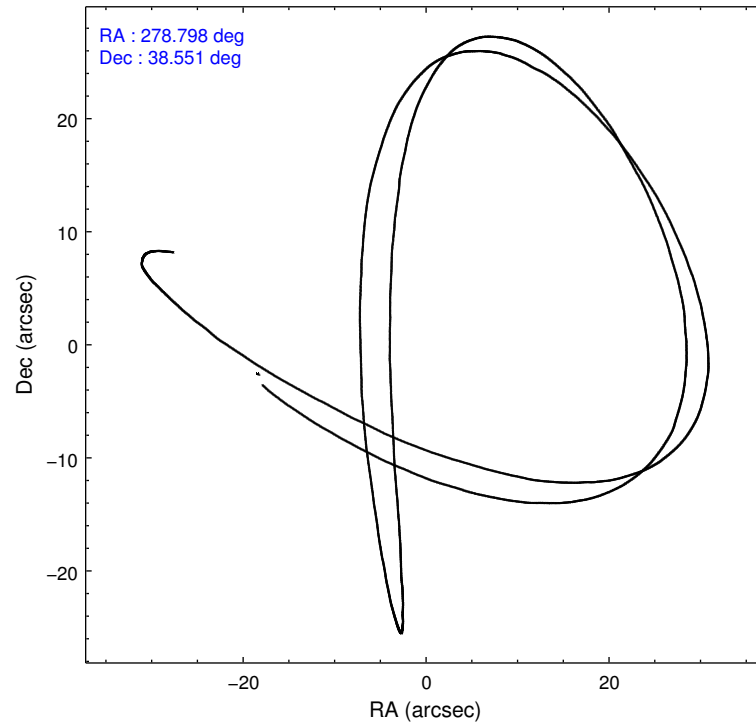
	segment 1	segment 2	segment 3
level 1 events	1	35	439113
rejected events	1	14	35952
rejected %	100%	40%	8%

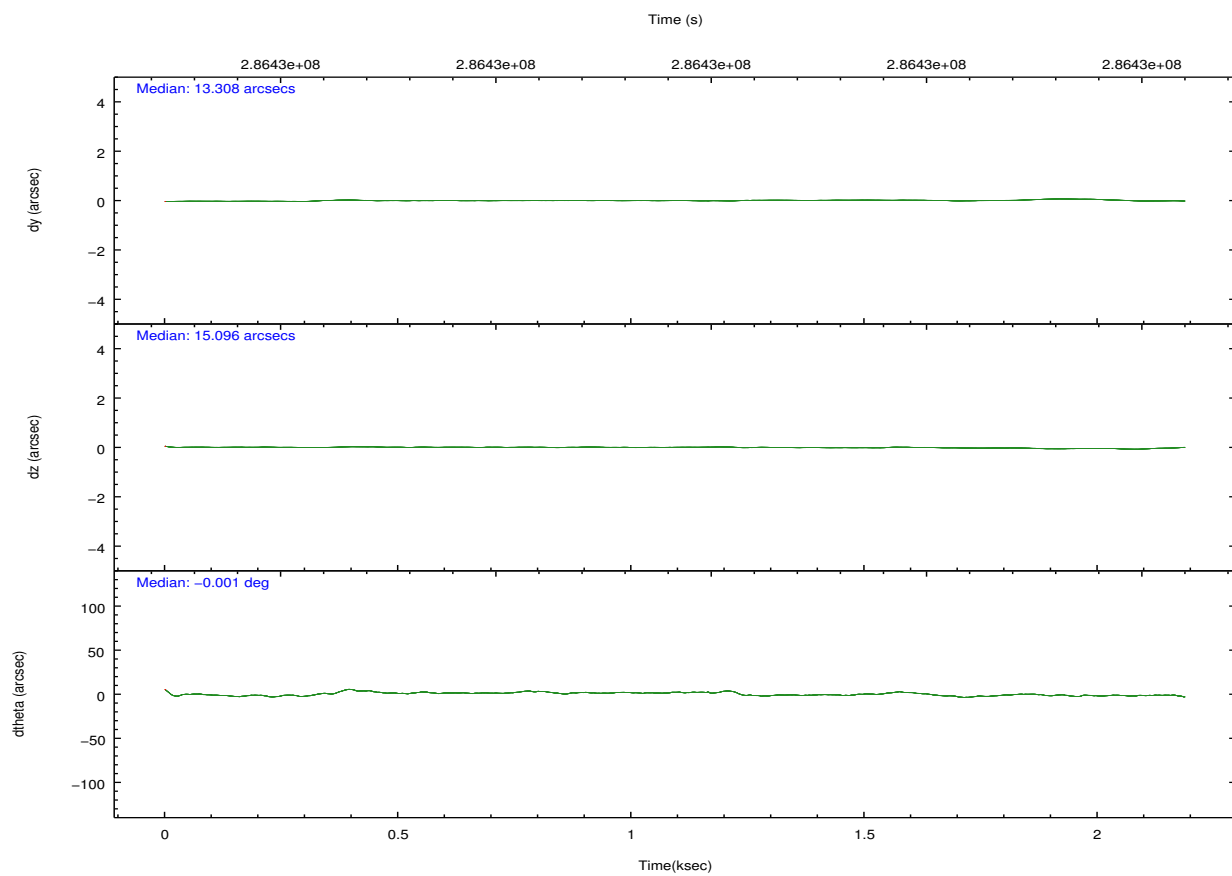
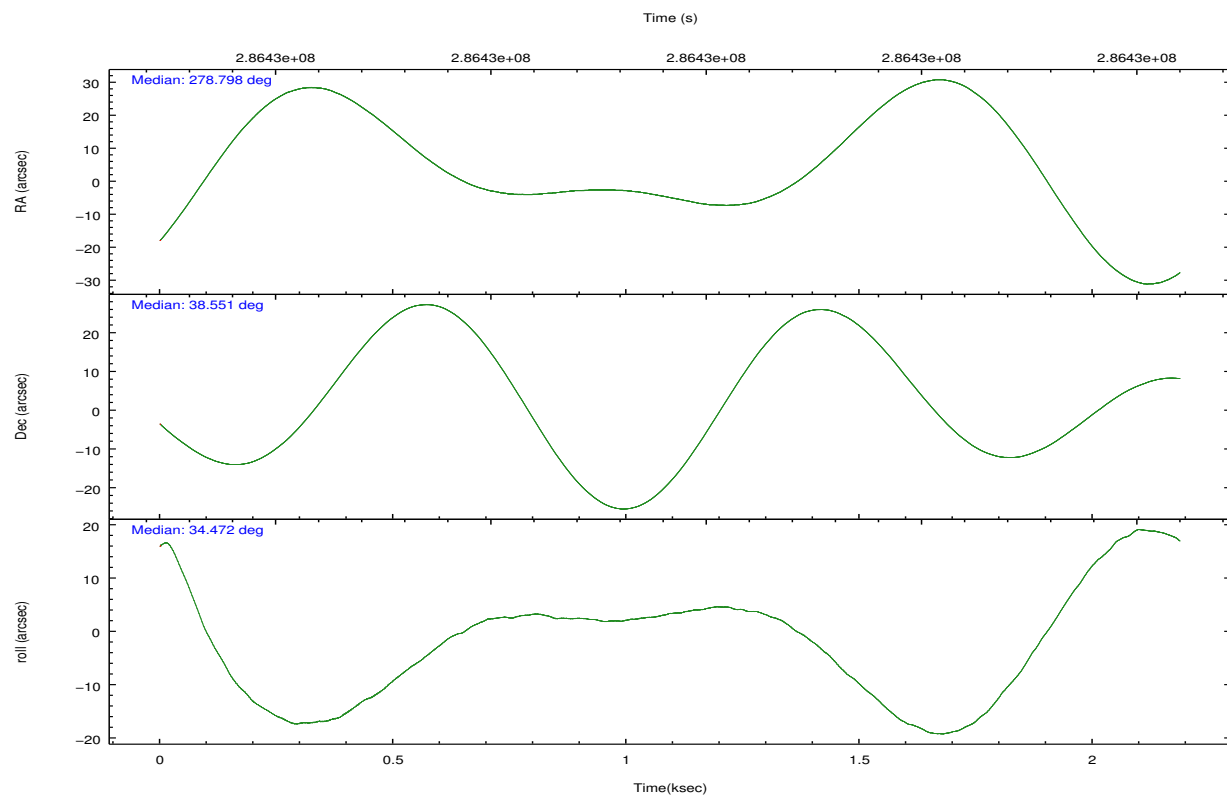
## 2.2 Compared Parameters

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	278.784971	278.7992063844415
[deg] Pointing Dec	38.525268	38.55159526052418
[deg] Pointing Roll	34.420194	34.47864453929762
[s] Window start time (MET)	281318465.184000	281318465.184000
[s] Window stop time (MET)	289008065.184000	289008065.184000
[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)	286427516.184000	286427139.08276
Observation start date	2007-01-29T03:10:51	2007-01-29T03:05:39
[s] Observation end time (MET)	286429516.184000	286429999.8579
Observation end date	2007-01-29T03:44:11	2007-01-29T03:53:19

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

## 2.3 Aspect





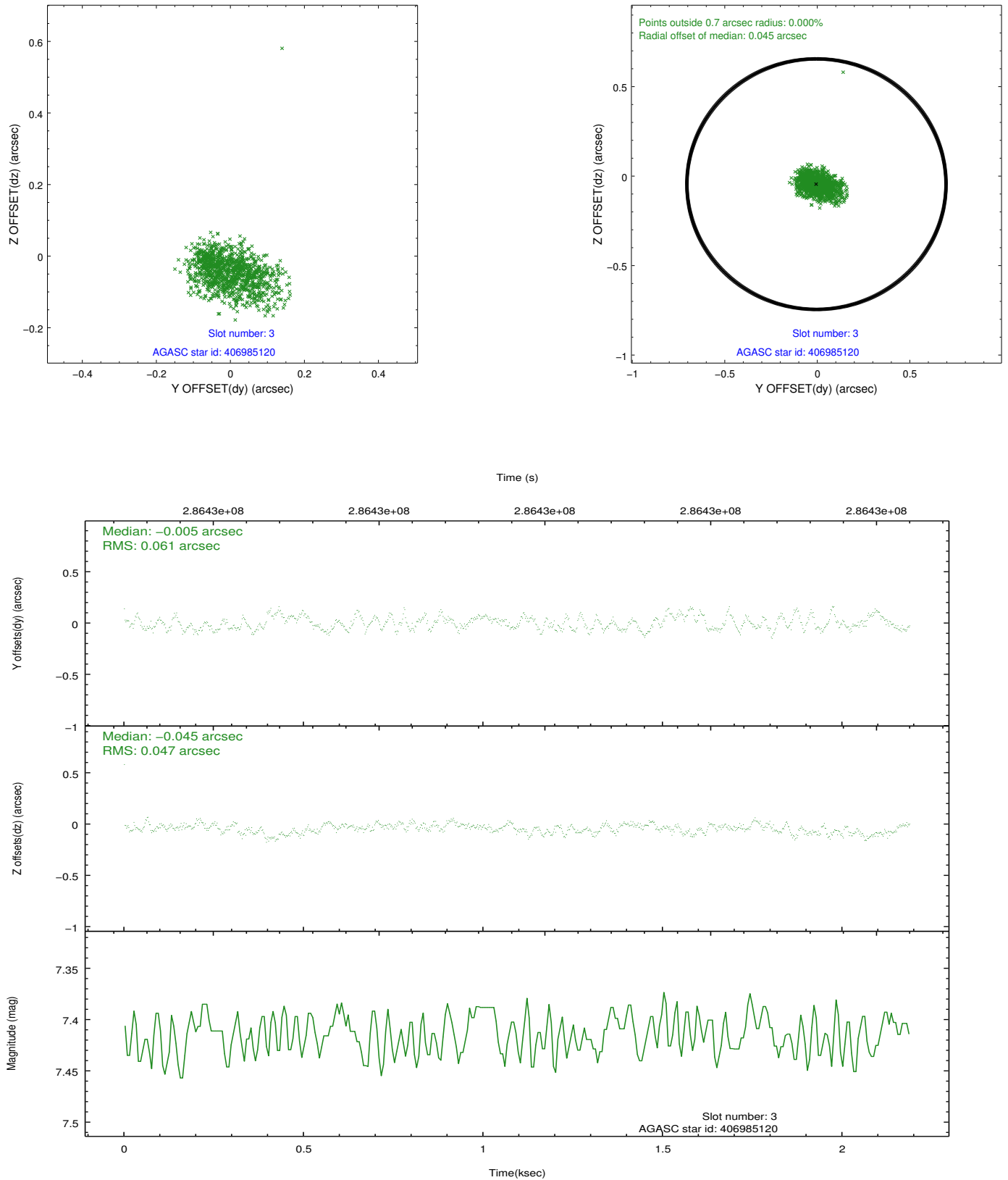
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	6.98	534	0.155	-0.164	0.026	0.048	0.000000	0.000000	1232.06	-456.61
1	FID	HRC-S-3	6.99	534	0.052	-0.090	0.007	0.011	0.000000	0.000000	-1168.08	564.84
2	FID	HRC-S-4	6.94	534	0.198	-0.039	0.031	0.055	0.000000	0.000000	1228.53	569.27
3	GUIDE	406985120	7.41	1068	-0.005	-0.045	0.079	0.132	278.839732	38.894839	878.79	1011.76
4	GUIDE	406987272	6.94	1068	-0.048	-0.068	0.059	0.096	278.536588	38.437504	-754.76	138.11
5	GUIDE	406989616	8.23	1068	0.015	0.065	0.070	0.108	279.202881	38.520843	963.16	-675.10
6	GUIDE	406993992	7.64	1068	-0.031	0.102	0.061	0.096	279.053714	38.034587	-367.69	-1887.01
7	GUIDE	406984368	6.82	1067	0.064	-0.059	0.050	0.083	277.715985	38.640365	-2235.82	2054.10

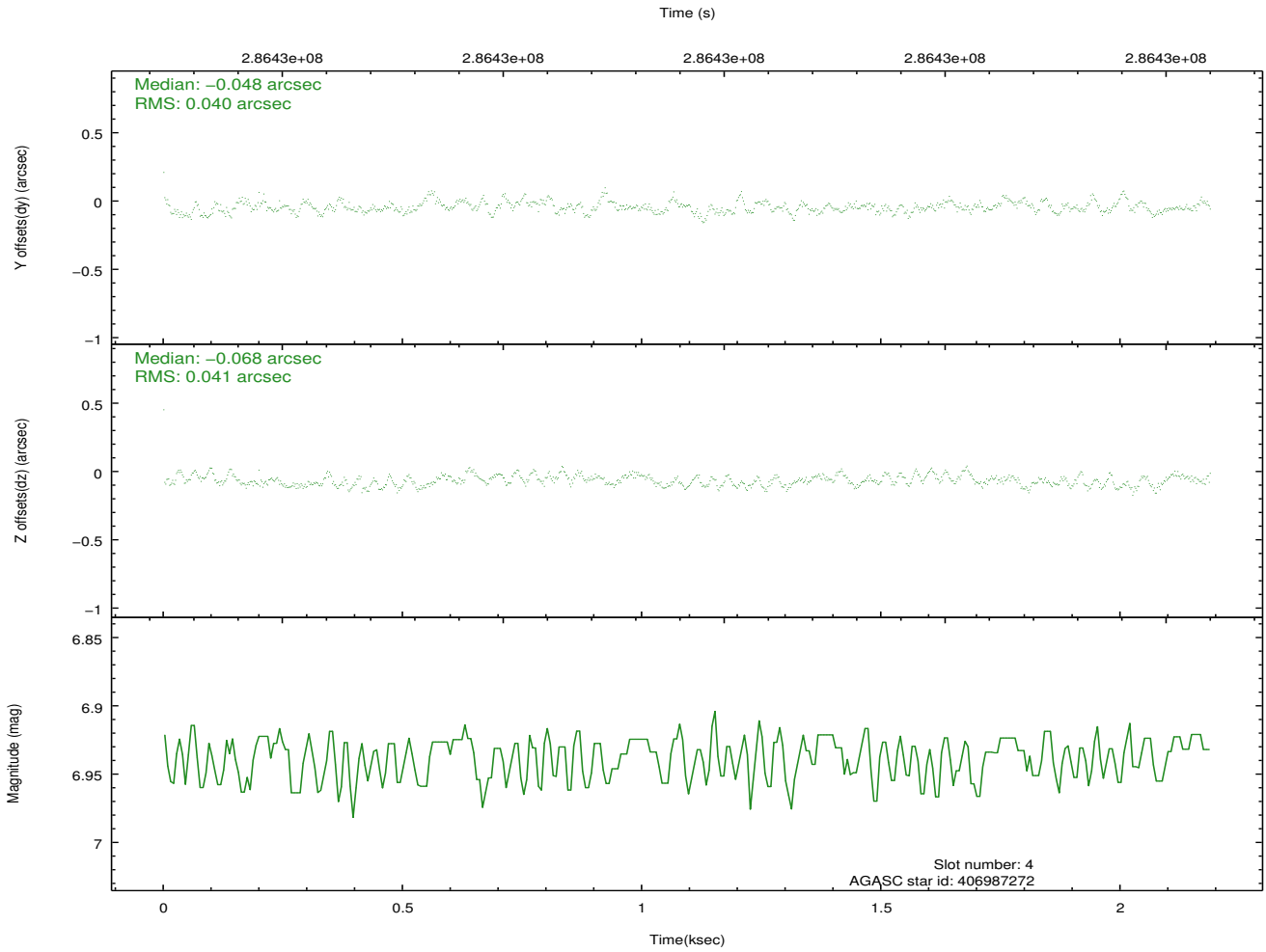
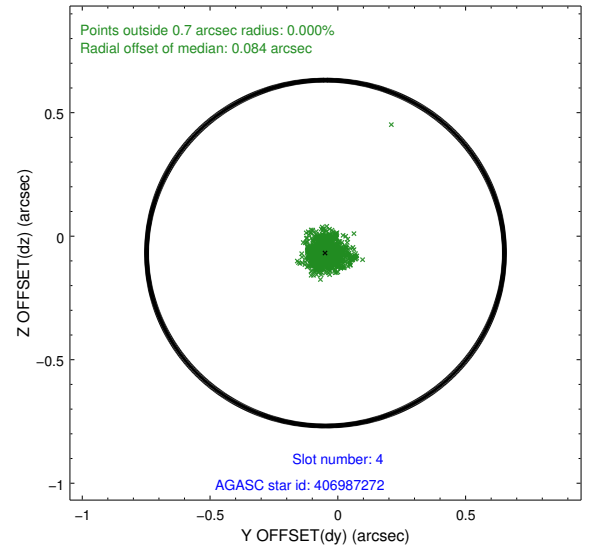
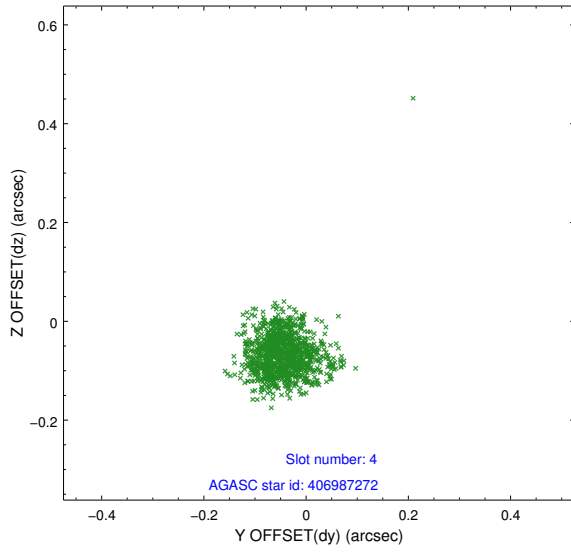


## 2.4 Star Slots

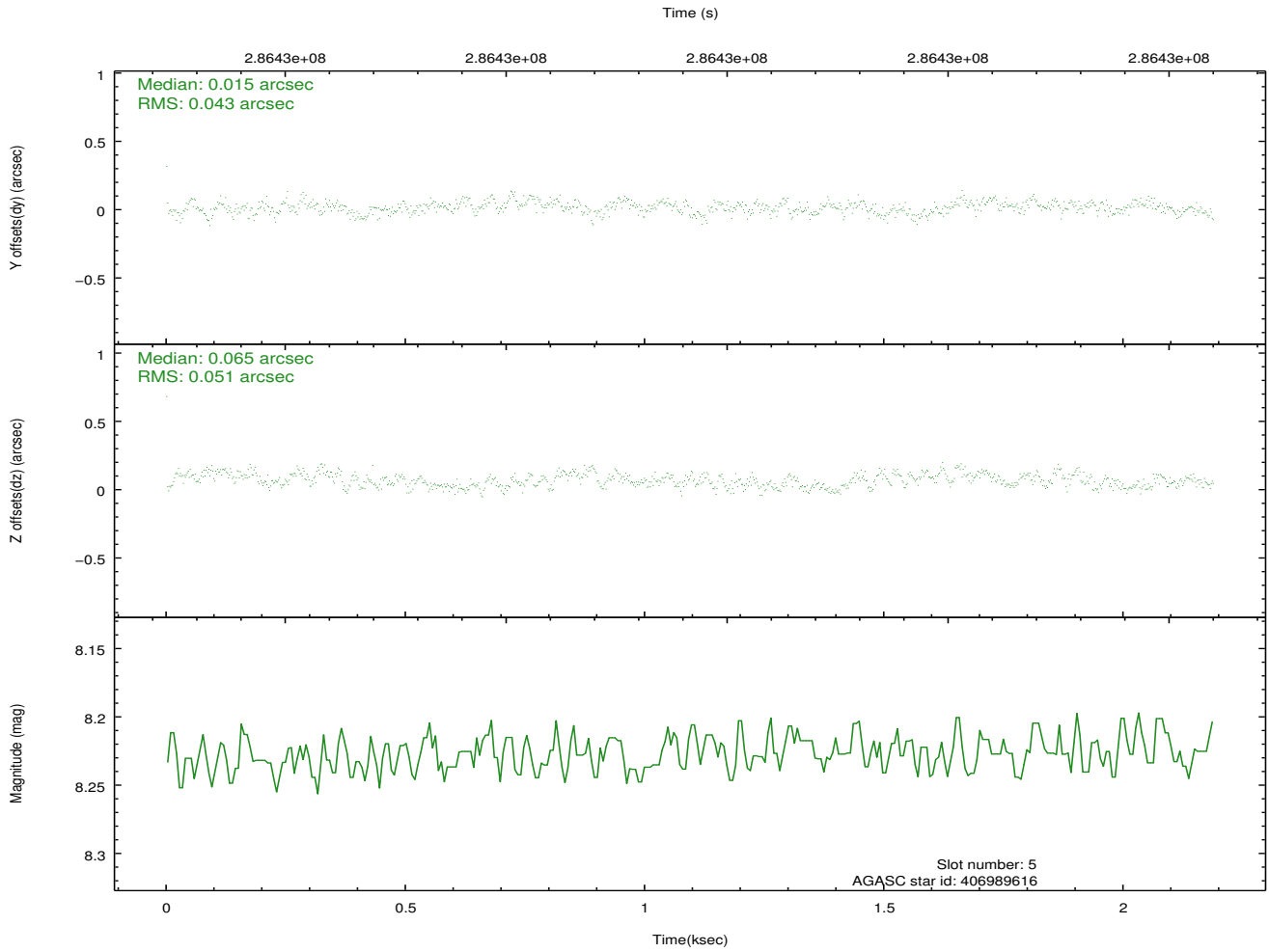
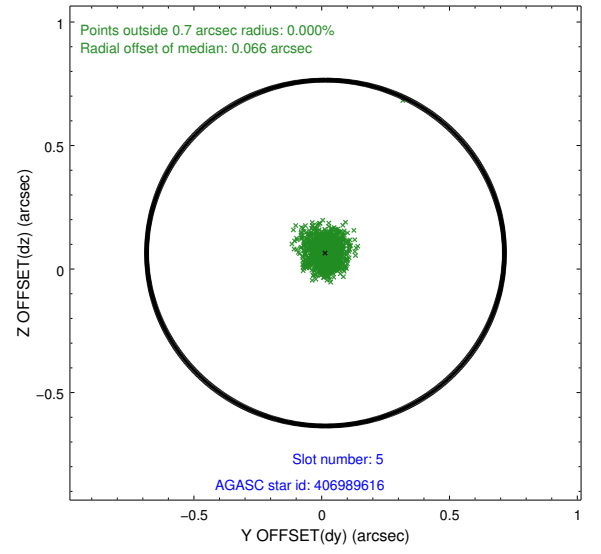
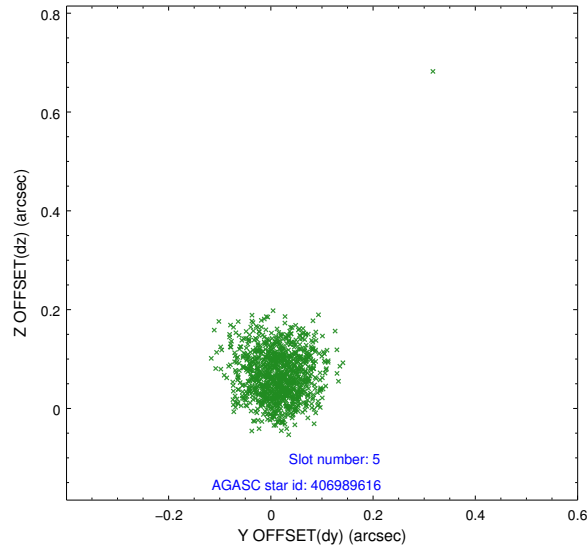
### 2.4.1 Slot 3



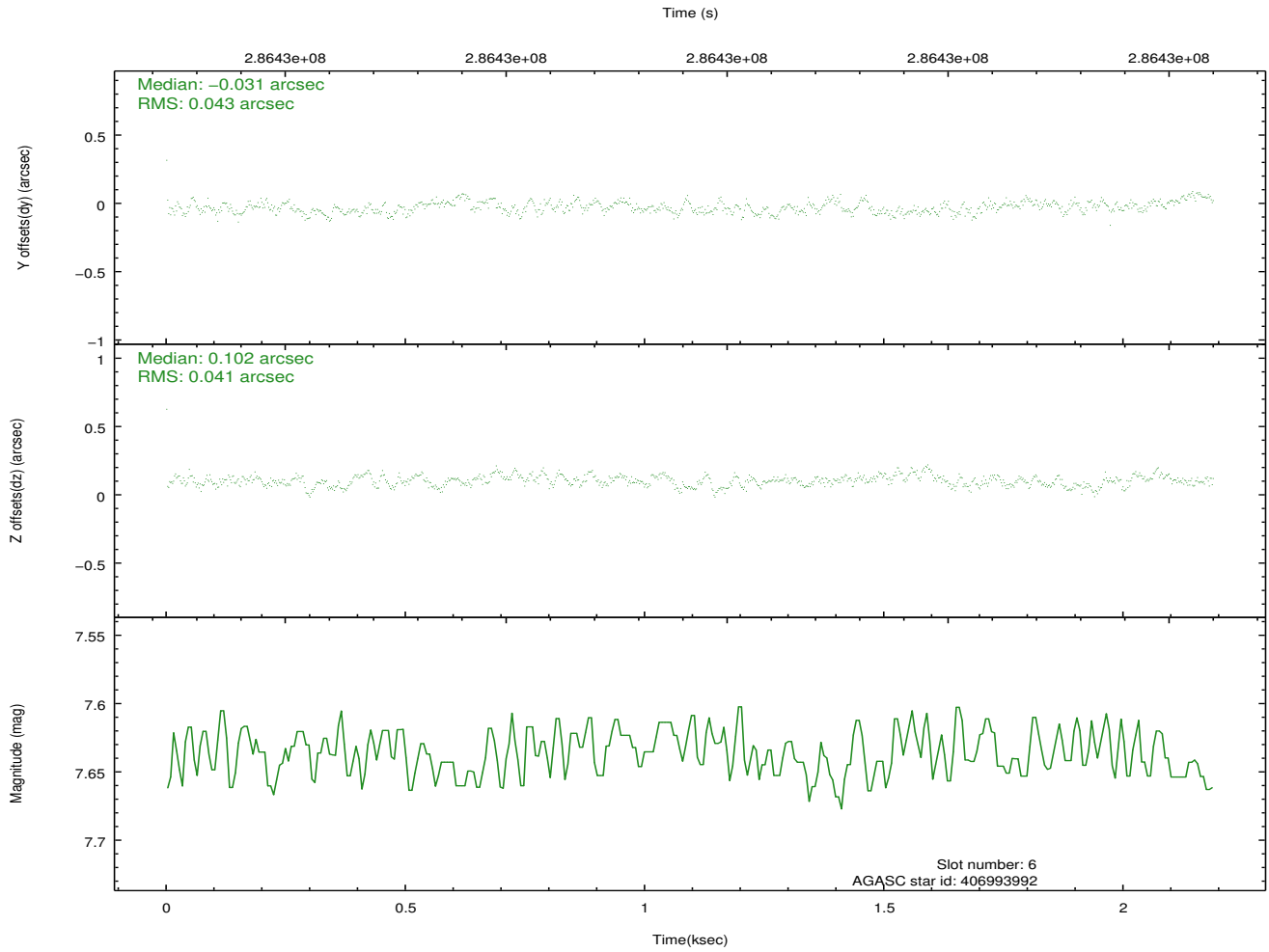
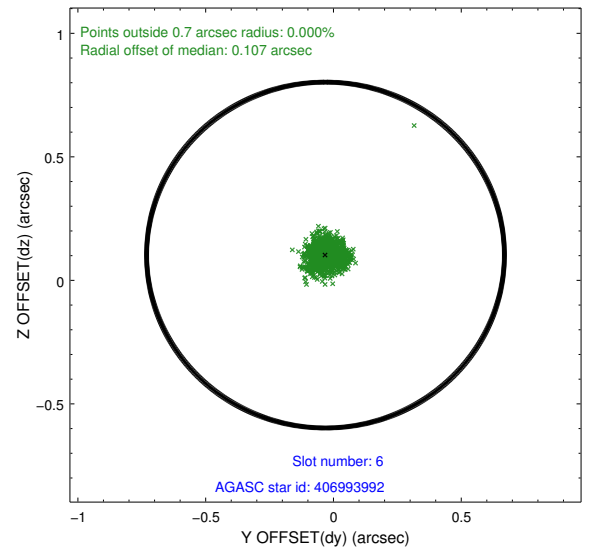
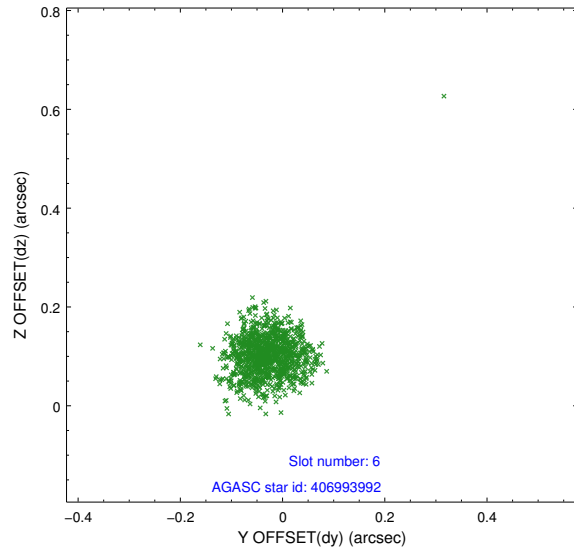
## 2.4.2 Slot 4



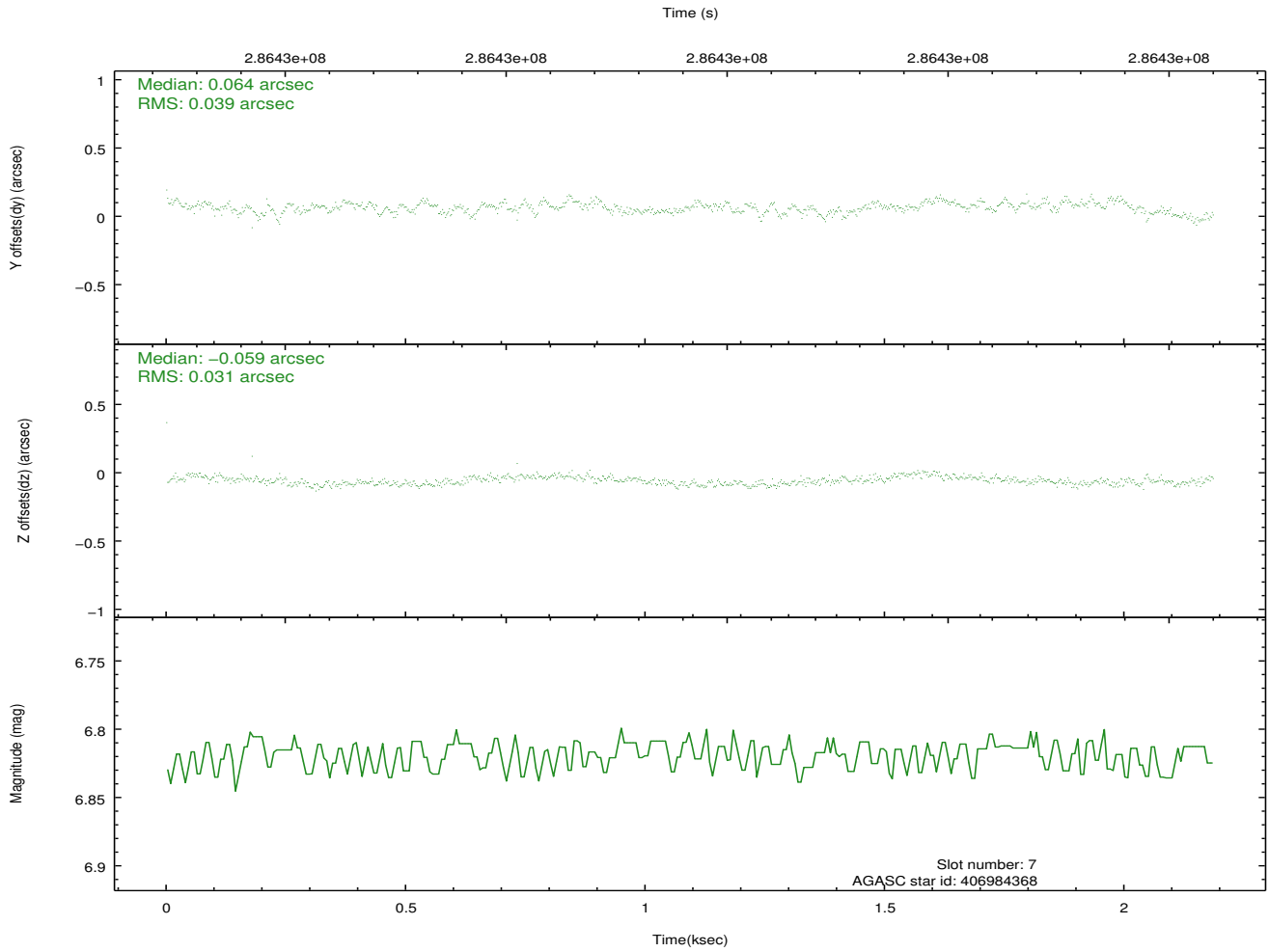
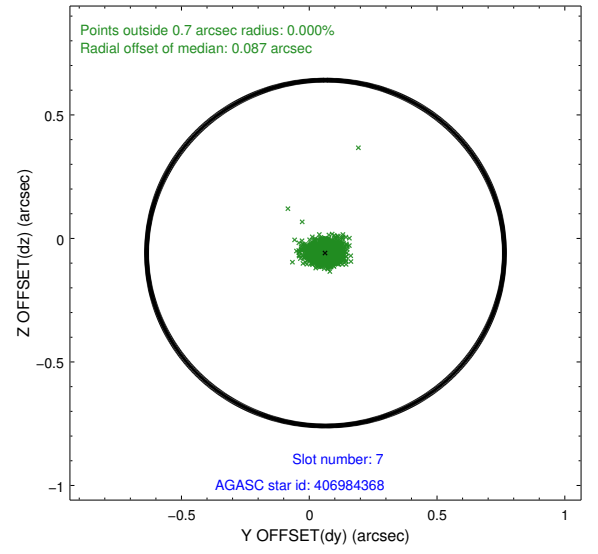
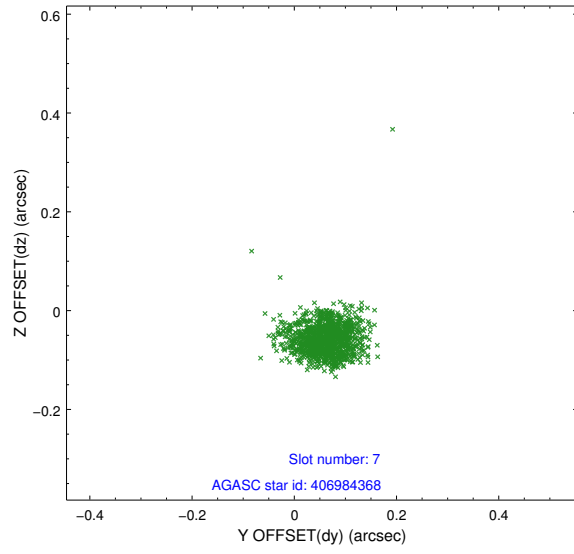
### 2.4.3 Slot 5



## 2.4.4 Slot 6

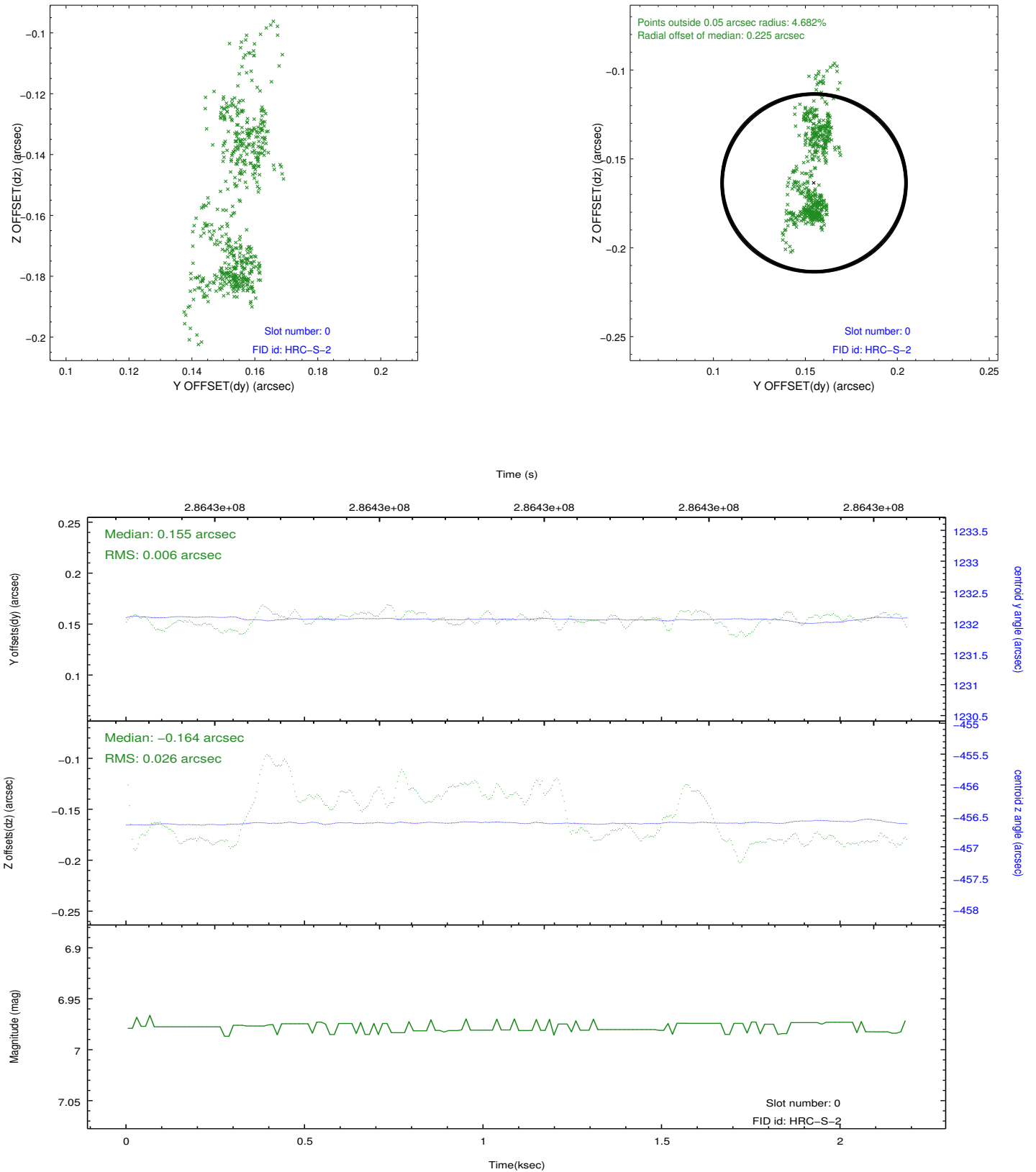


### 2.4.5 Slot 7

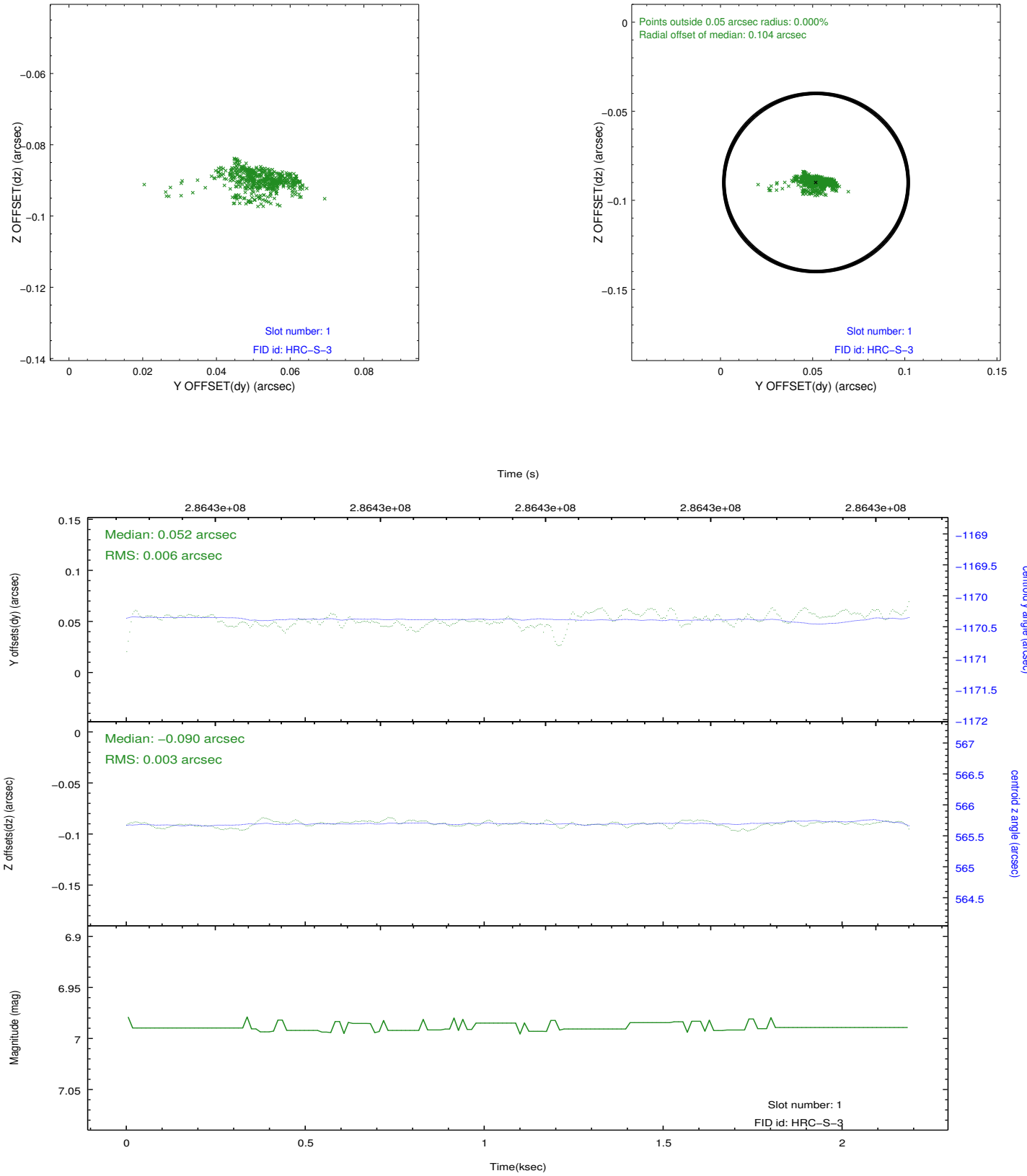


## 2.5 FID Slots

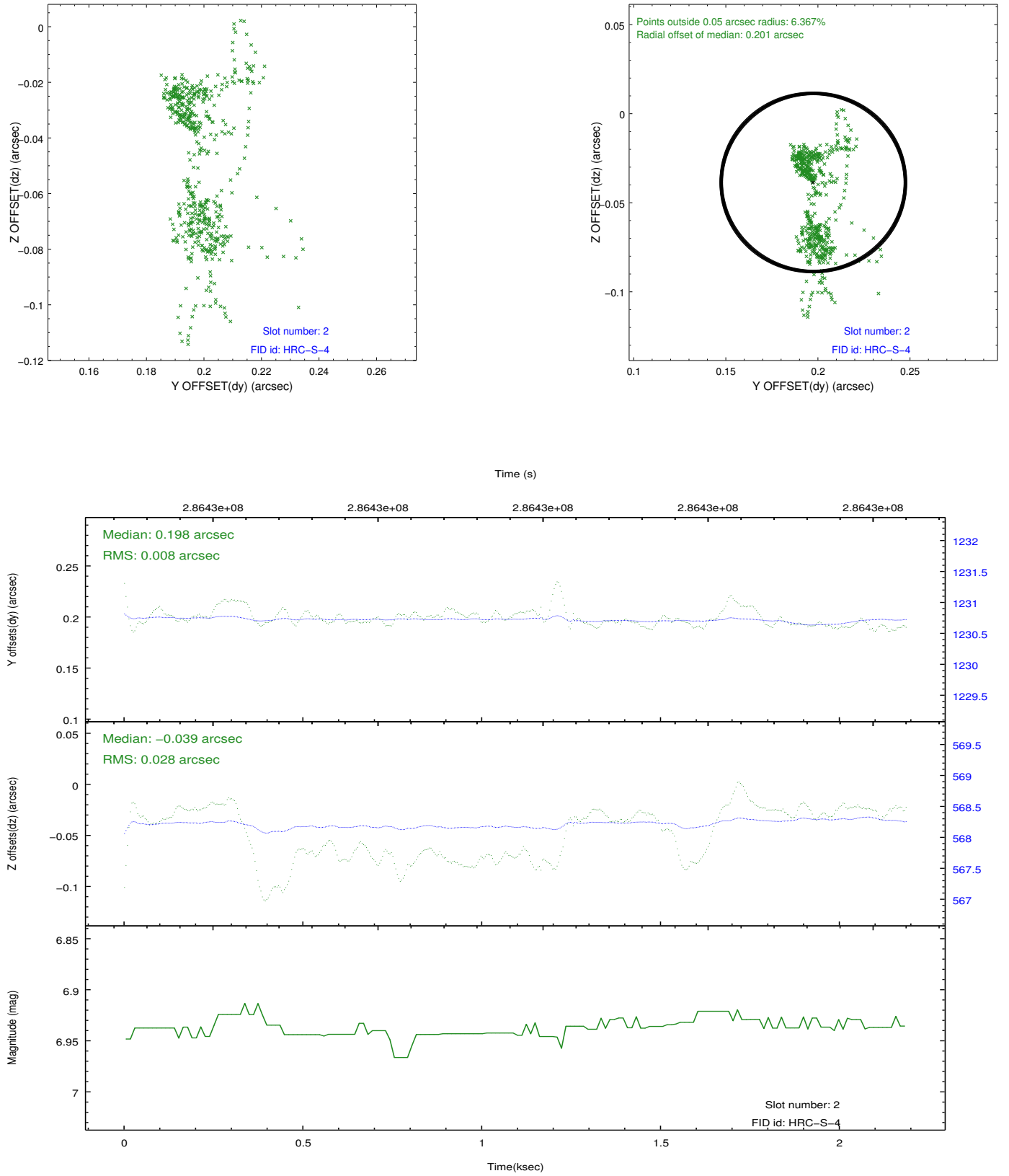
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18658135

### A.2 Comments

Window preference met.