

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 14253 - L2 Version 2  
Chandra X-Ray Center

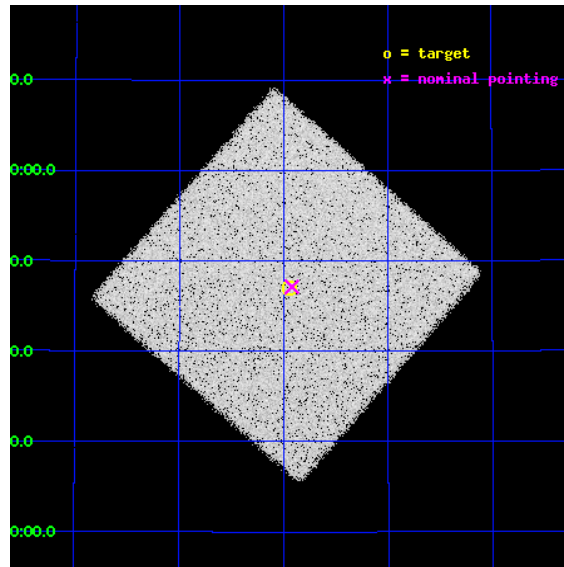
L2 Processing Date : Jul 28 2012

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# 1 Front

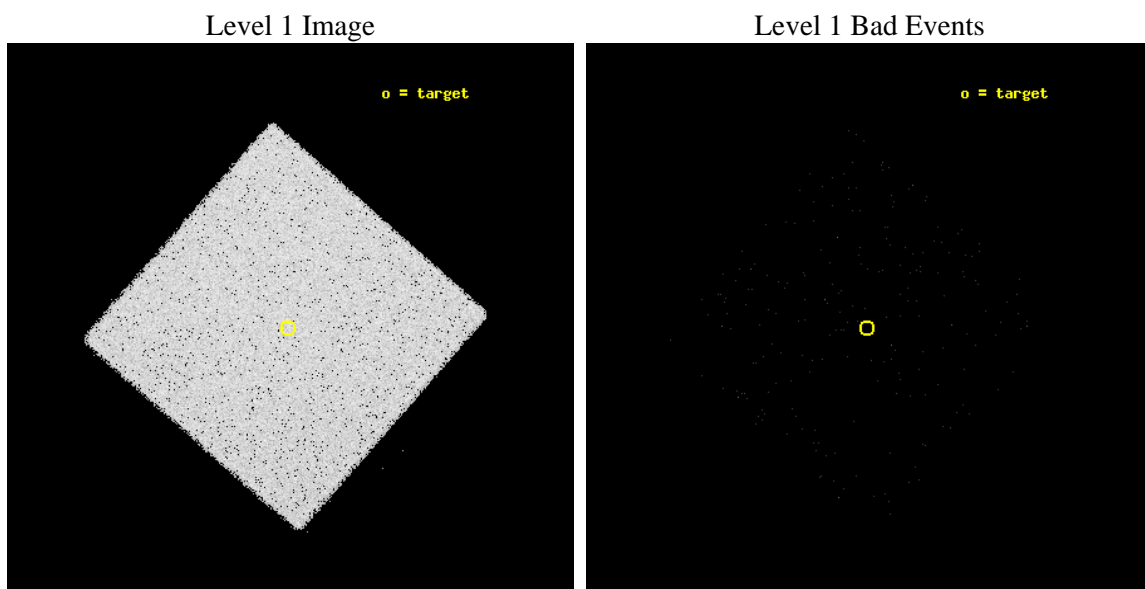
seq_num	291026	Sequence number
obs_id	14253	Observation id
title	AO-13 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.23011903455	Nominal RA [deg]
dec_nom	38.785675672246	Nominal Dec [deg]
roll_nom	176.31331336678	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2181.2001164556	[s]
liveltime	2161.5115077632	Ontime multiplied by DTCOR
l2events	142281	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	2181.2001164556	[s]
caldbver	4.5.1	&#160	l1events	249933	Number of level 1 events
date	2012-07-28T11:17:16	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

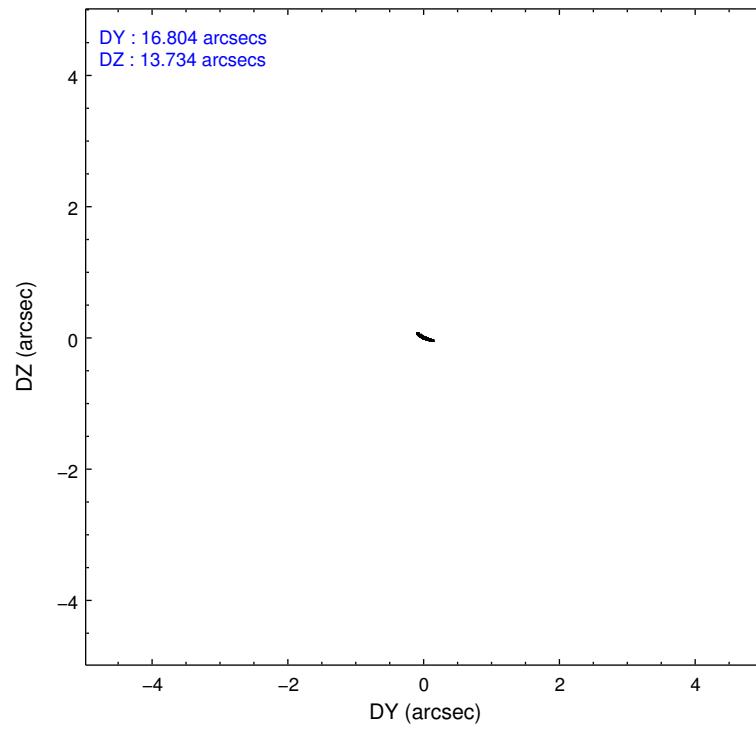
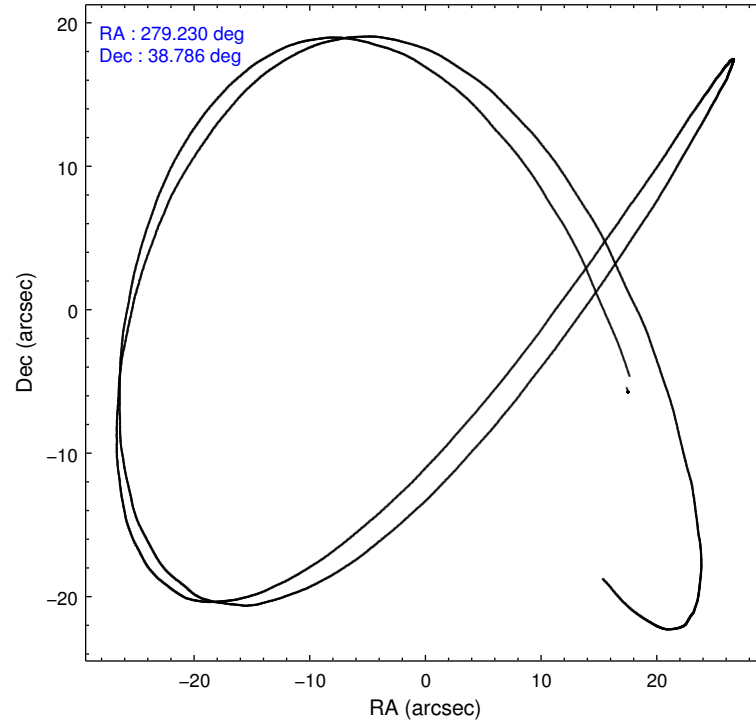
#### Level 1 Events

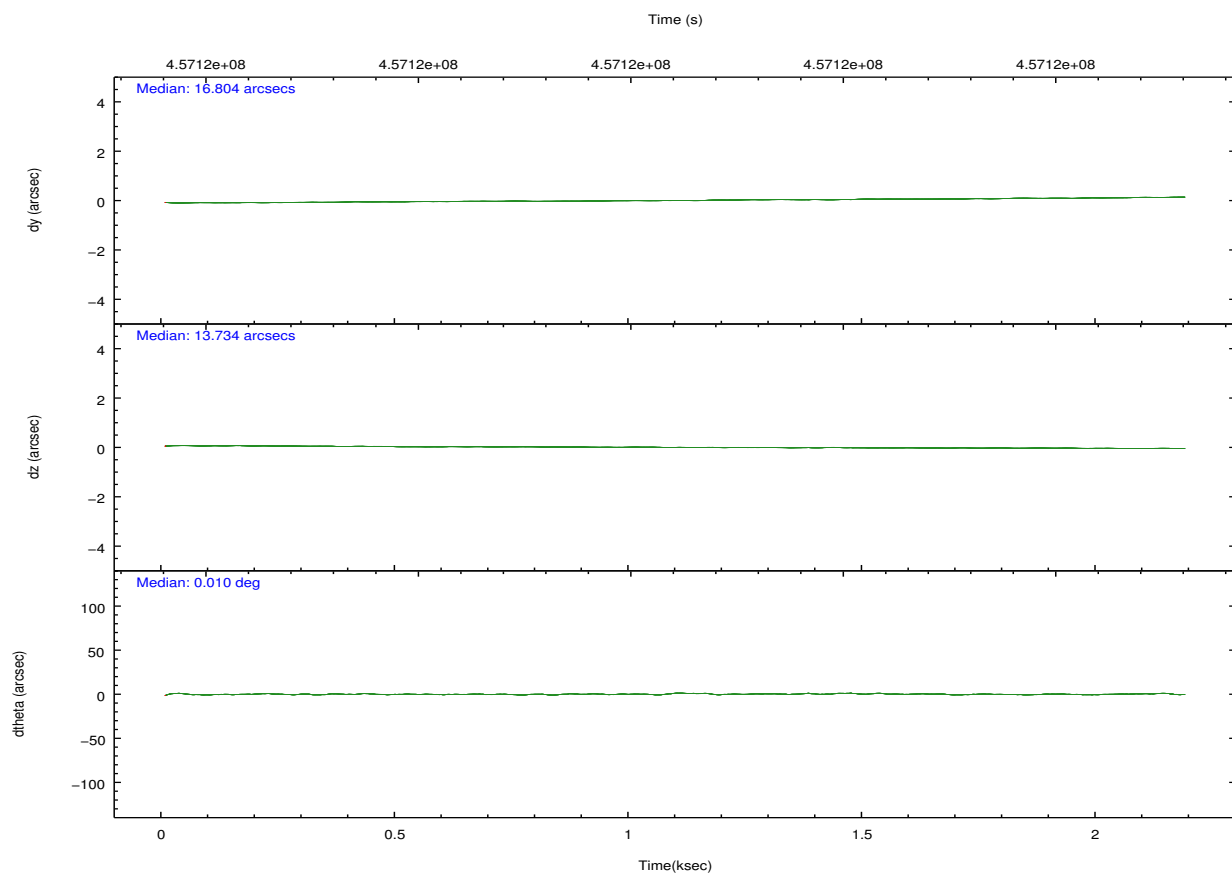
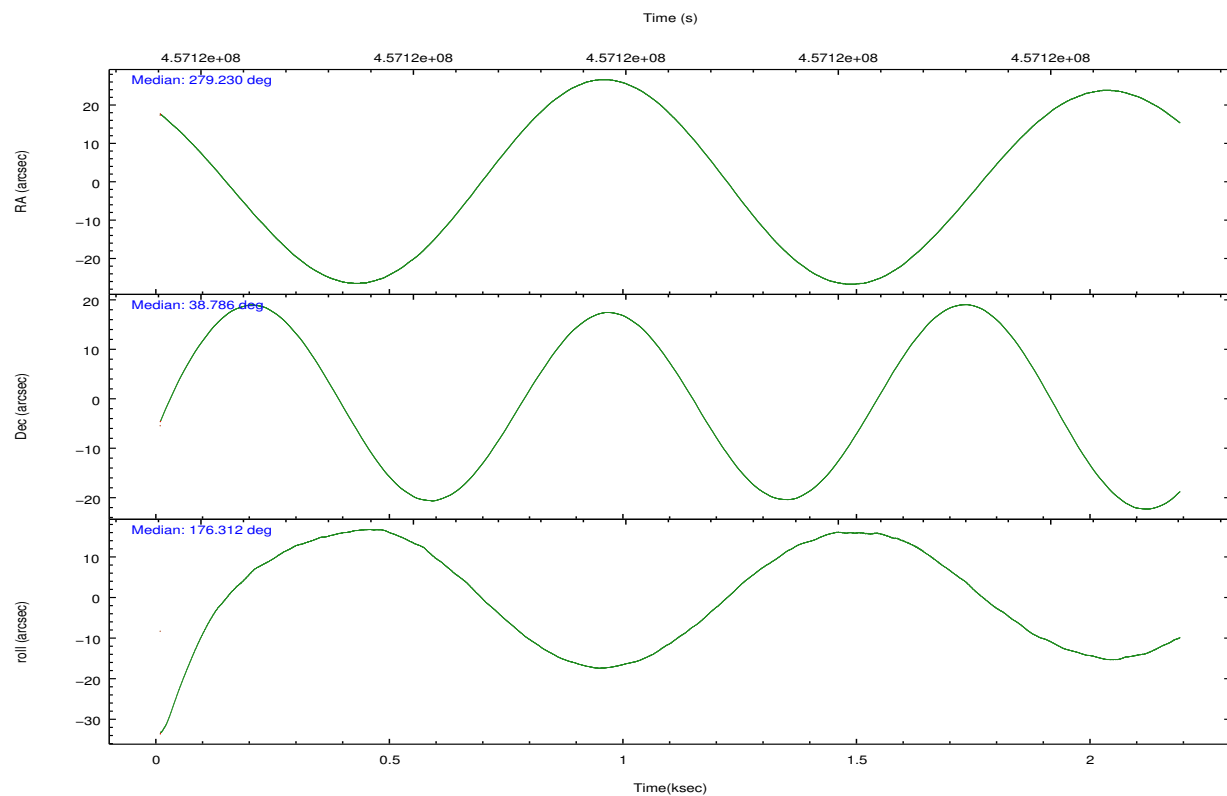
	<b>segment 0</b>
level 1 events	249933
rejected events	53085
rejected %	21%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	279.261021	279.2301190345501			
[deg] Pointing Dec	38.798194	38.78567567224619			
[deg] Pointing Roll	176.389519	176.3133133667771			
[s] Window start time (MET)	454896066.184000	454896066.184000			
[s] Window stop time (MET)	460080067.184000	460080067.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	457120192.184000	457119461.54417			
Observation start date	2012-06-26T17:48:46	2012-06-26T17:37:41			
[s] Observation end time (MET)	457122192.184000	457123267.88188			
Observation end date	2012-06-26T18:22:06	2012-06-26T18:41:07			

## 2.3 Aspect





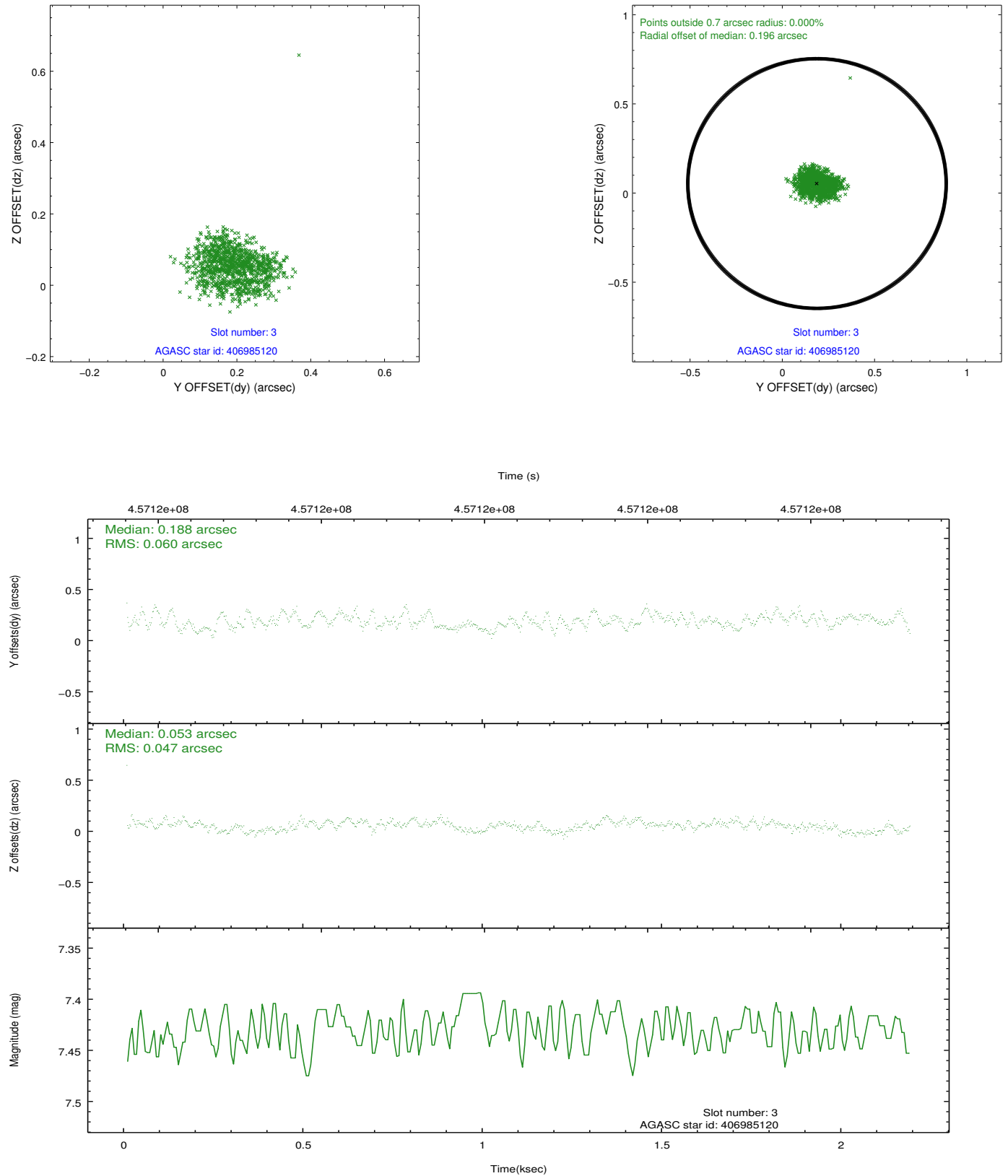
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.02	533	-0.116	0.011	0.006	0.011	0.000000	0.000000	-772.81	-1301.76
1	FID	HRC-I-2	7.05	533	0.280	-0.136	0.007	0.016	0.000000	0.000000	838.77	-1305.95
2	FID	HRC-I-3	7.09	533	-0.046	0.035	0.007	0.011	0.000000	0.000000	-1199.61	1000.39
3	GUIDE	406985120	7.43	1066	0.188	0.053	0.082	0.123	278.839732	38.894839	1200.70	-274.99
4	GUIDE	406987272	6.93	1066	-0.395	-0.327	0.064	0.102	278.536588	38.437504	1958.94	1415.92
5	GUIDE	406990192	8.99	1066	-0.009	0.005	0.090	0.150	278.510952	38.533654	2050.79	1076.81
6	GUIDE	406983600	8.92	1066	0.099	-0.009	0.086	0.137	279.940957	39.020708	-1845.85	-923.82
7	GUIDE	407513096	8.14	1065	0.122	0.273	0.073	0.112	279.928965	39.436841	-1709.53	-2418.45

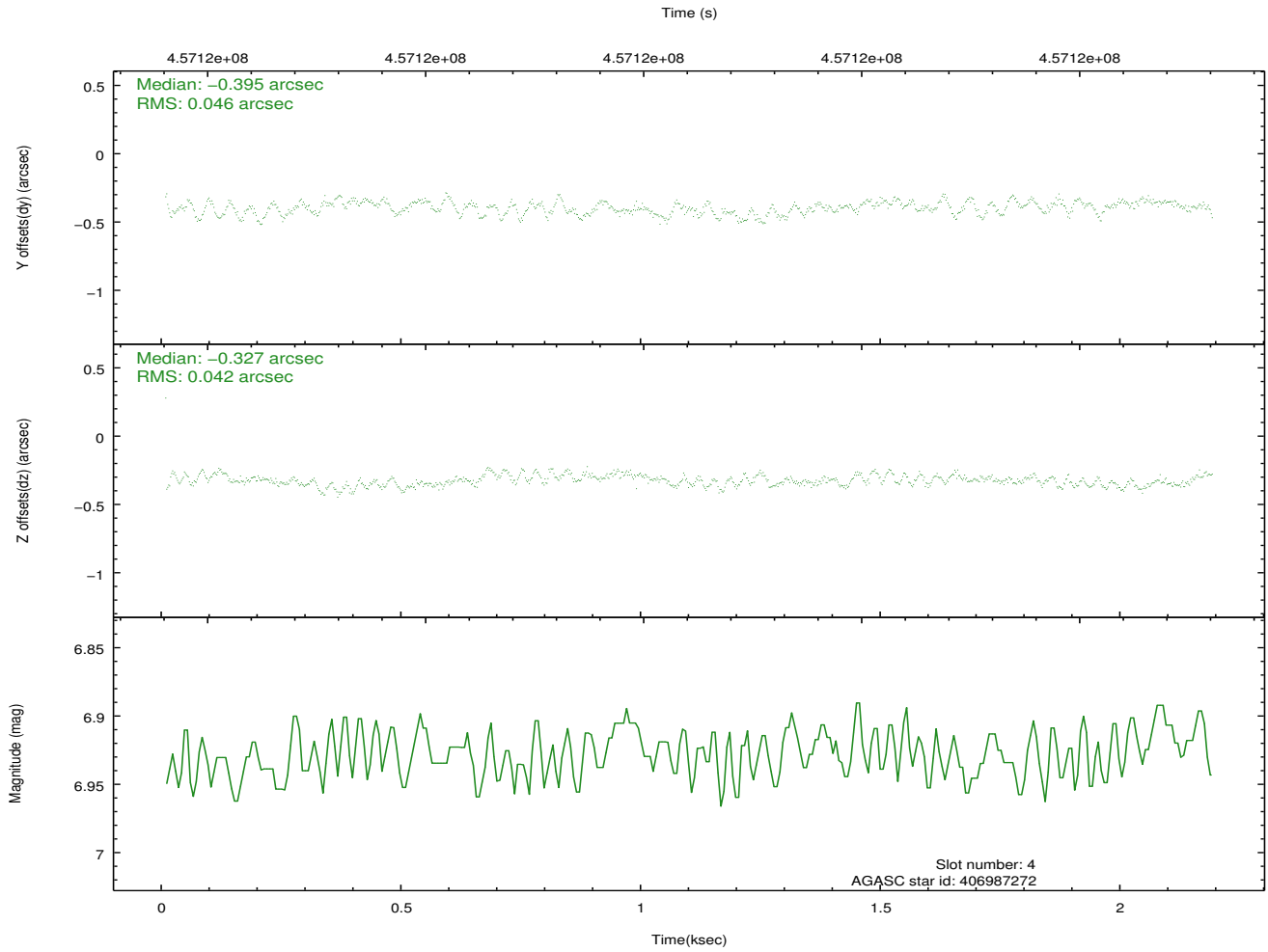
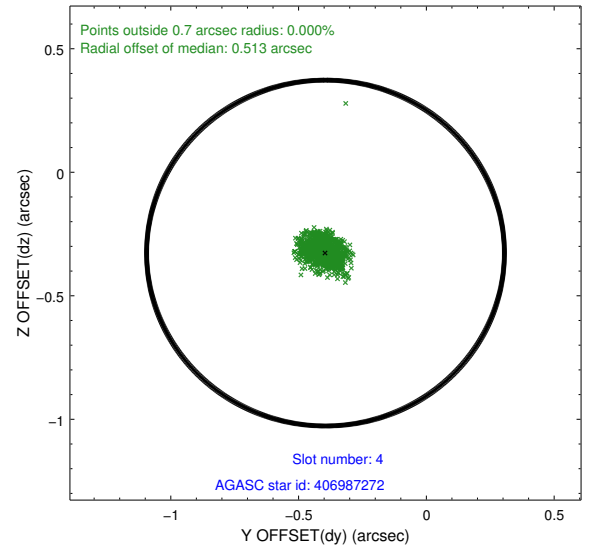
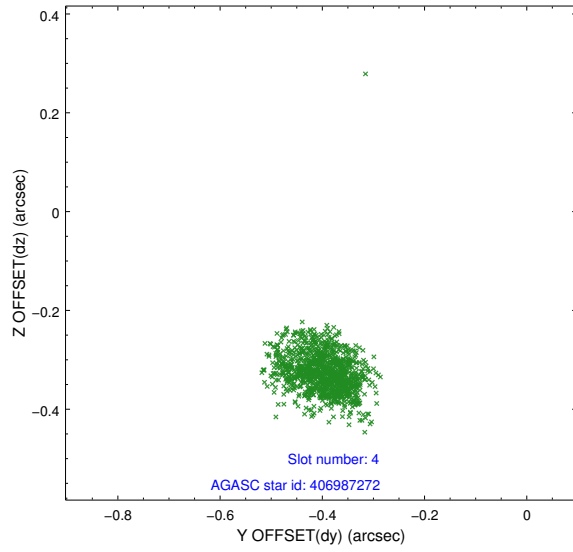


## 2.4 Star Slots

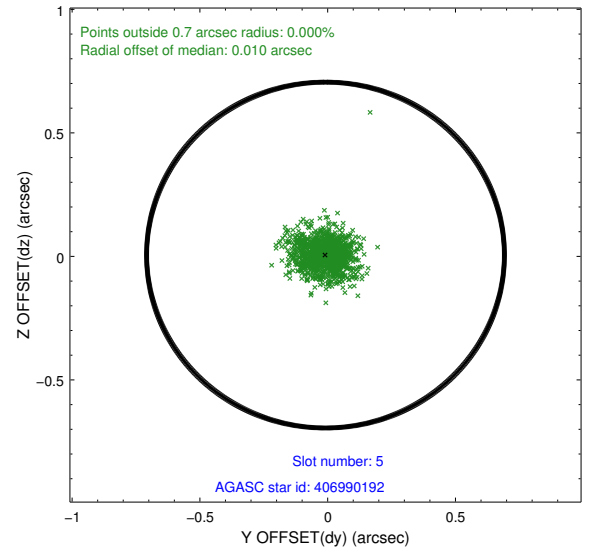
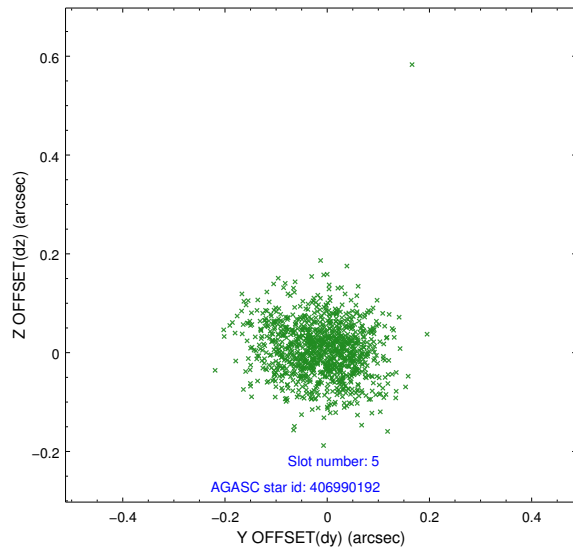
### 2.4.1 Slot 3



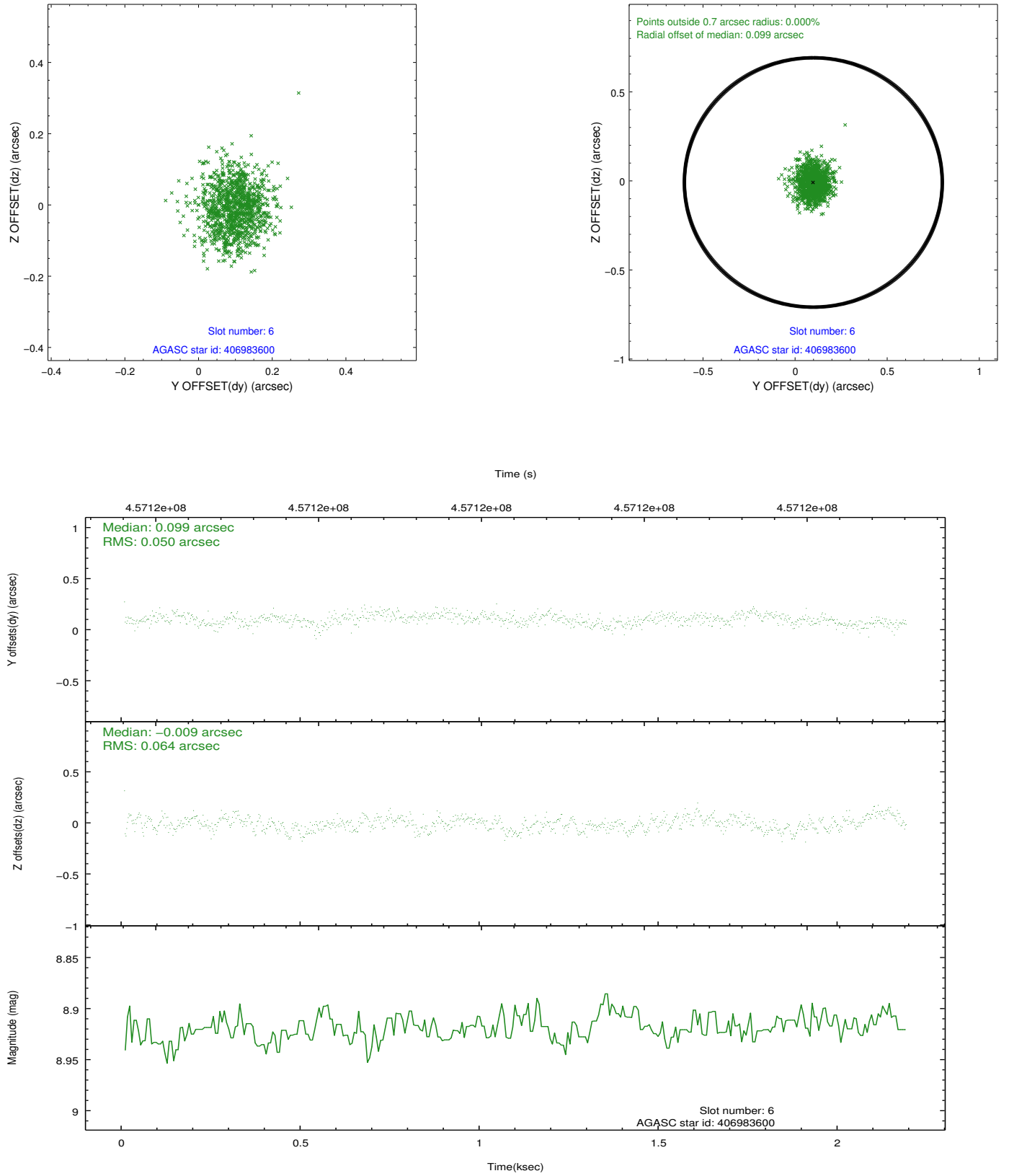
## 2.4.2 Slot 4



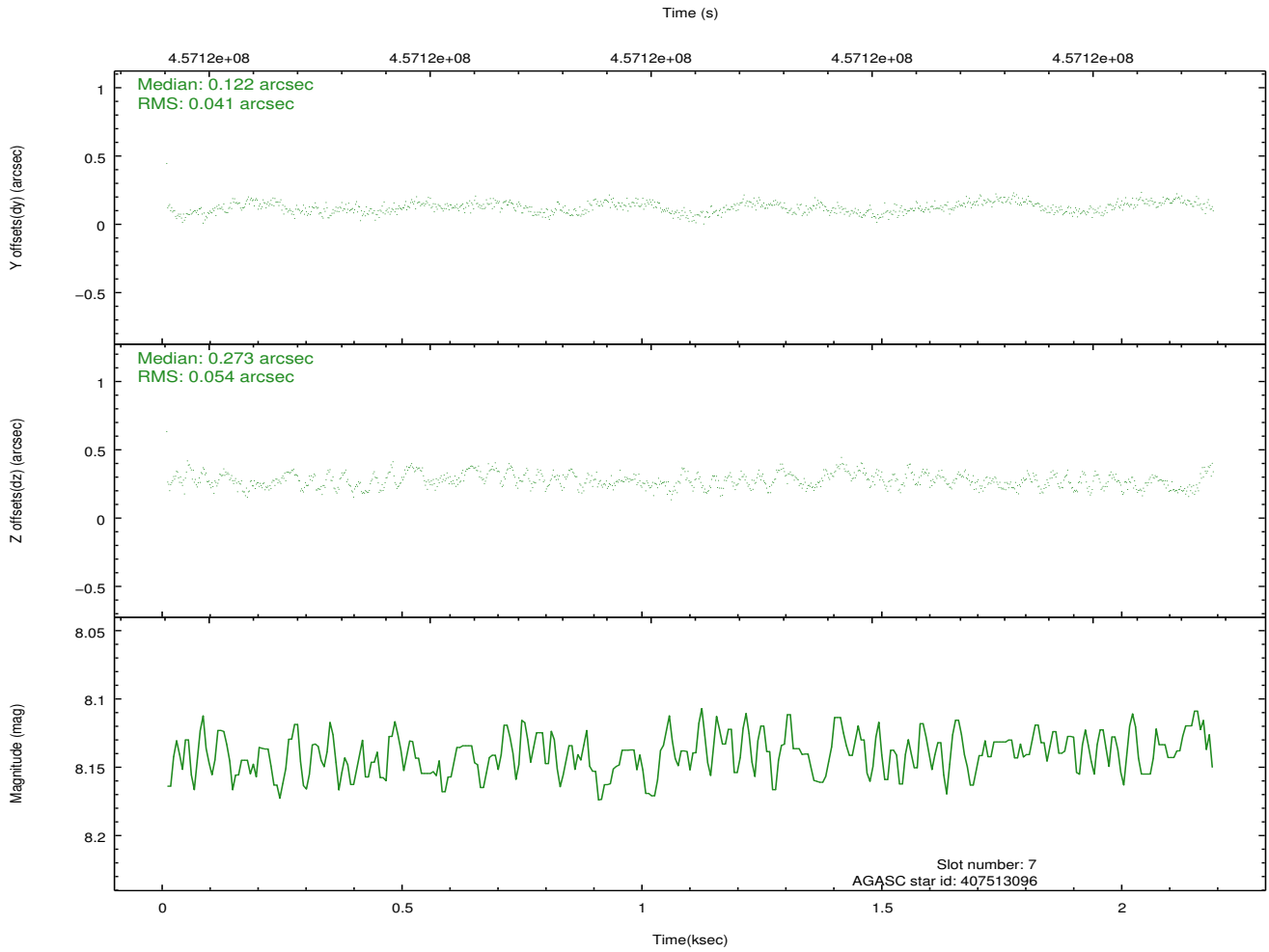
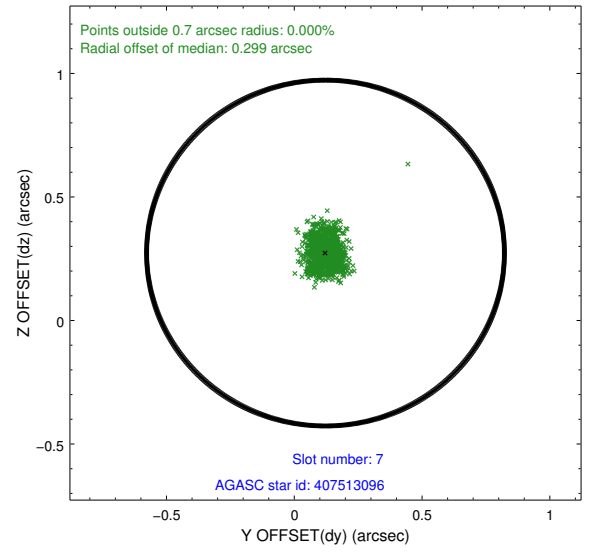
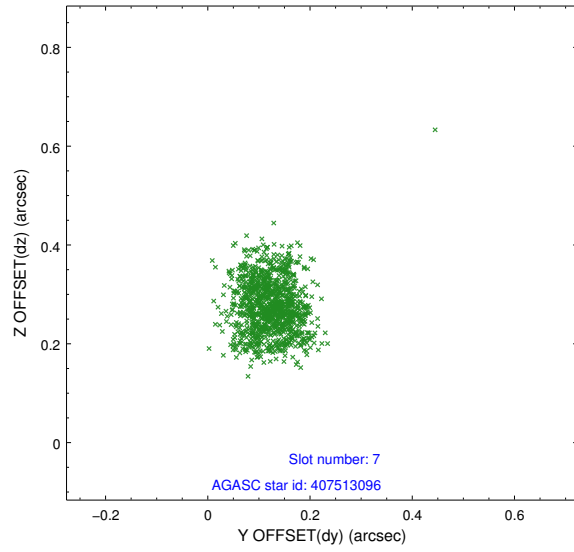
### 2.4.3 Slot 5



## 2.4.4 Slot 6

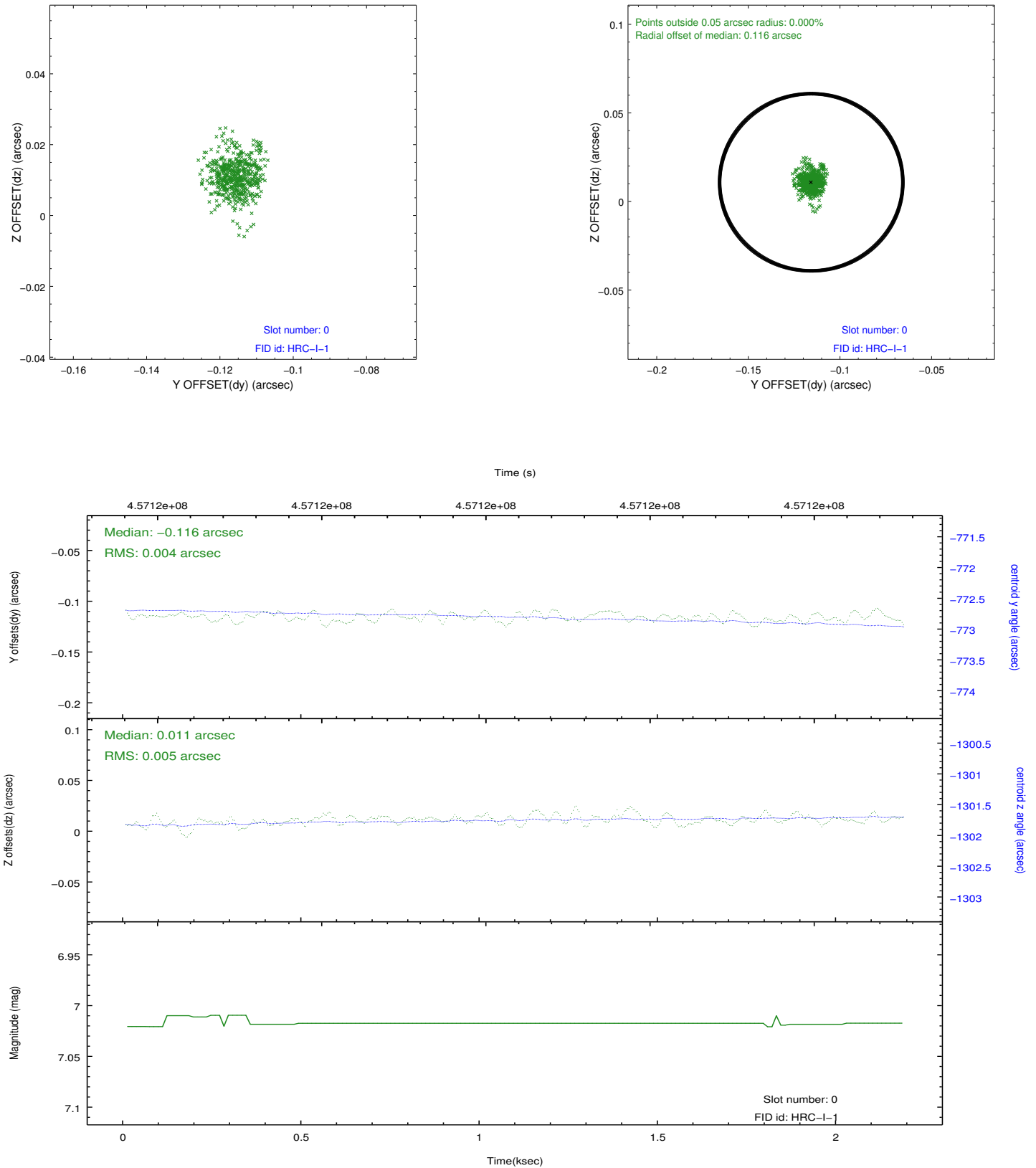


## 2.4.5 Slot 7

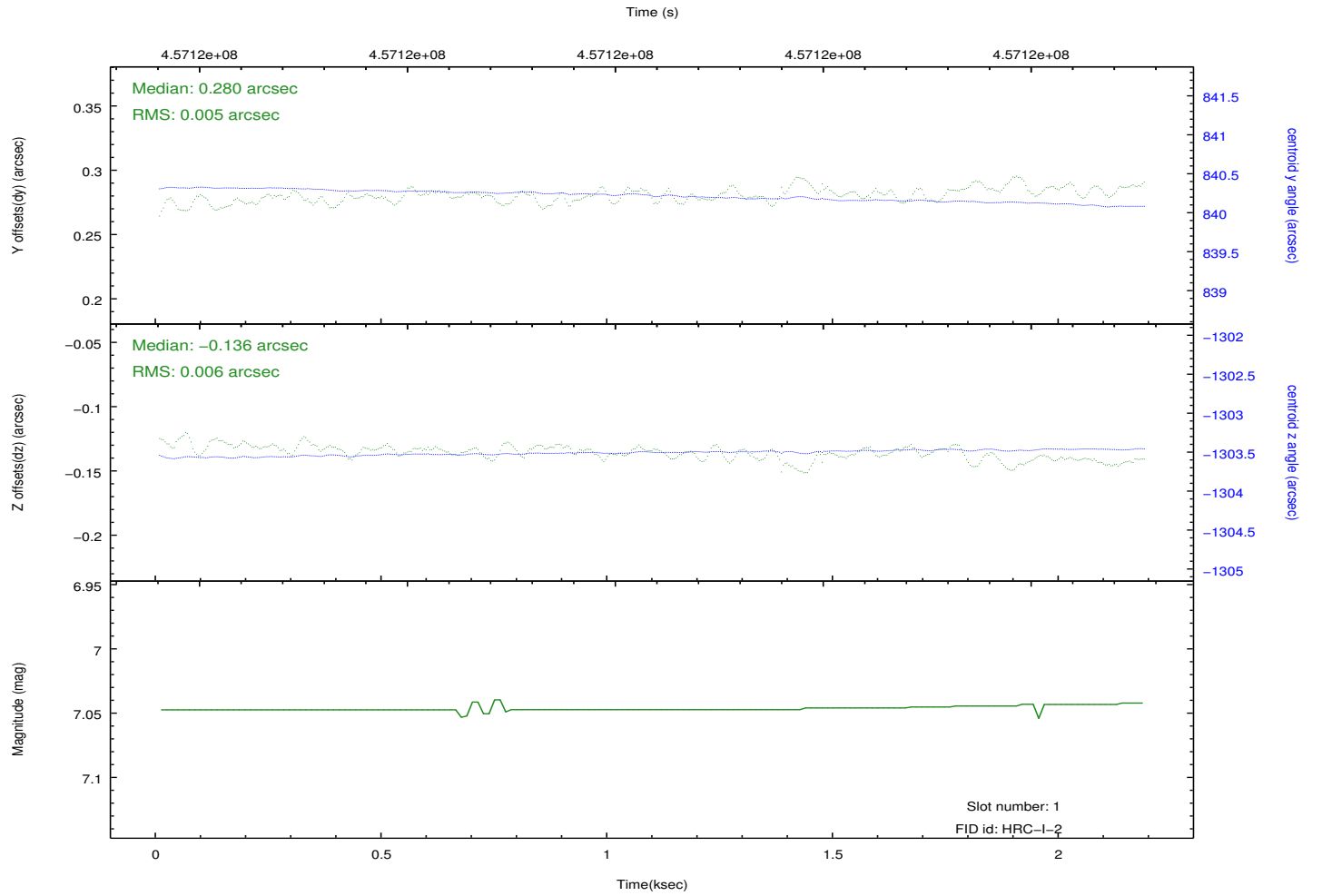
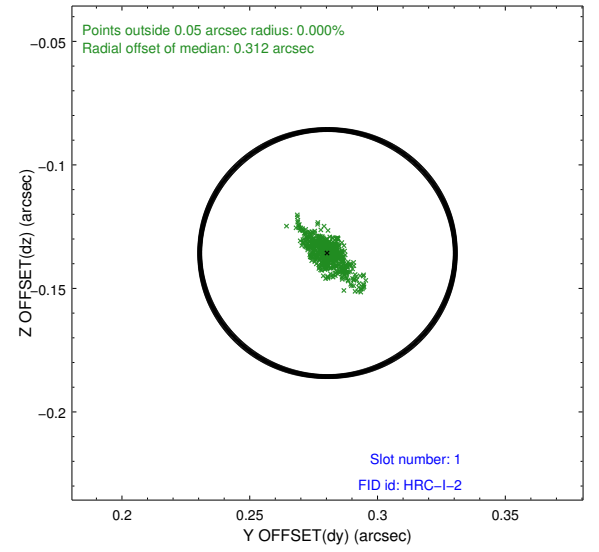
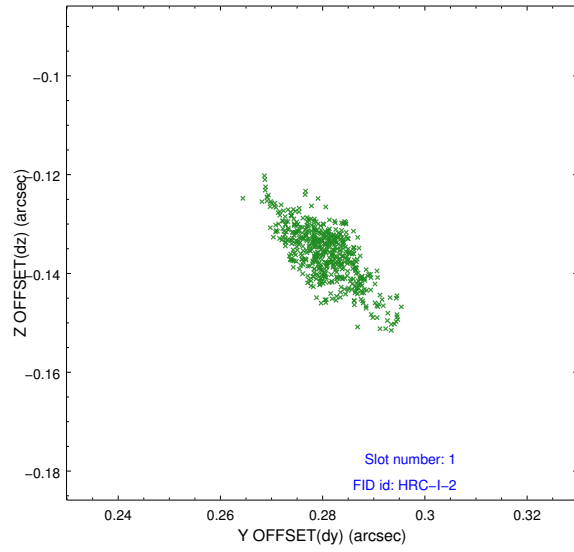


## 2.5 FID Slots

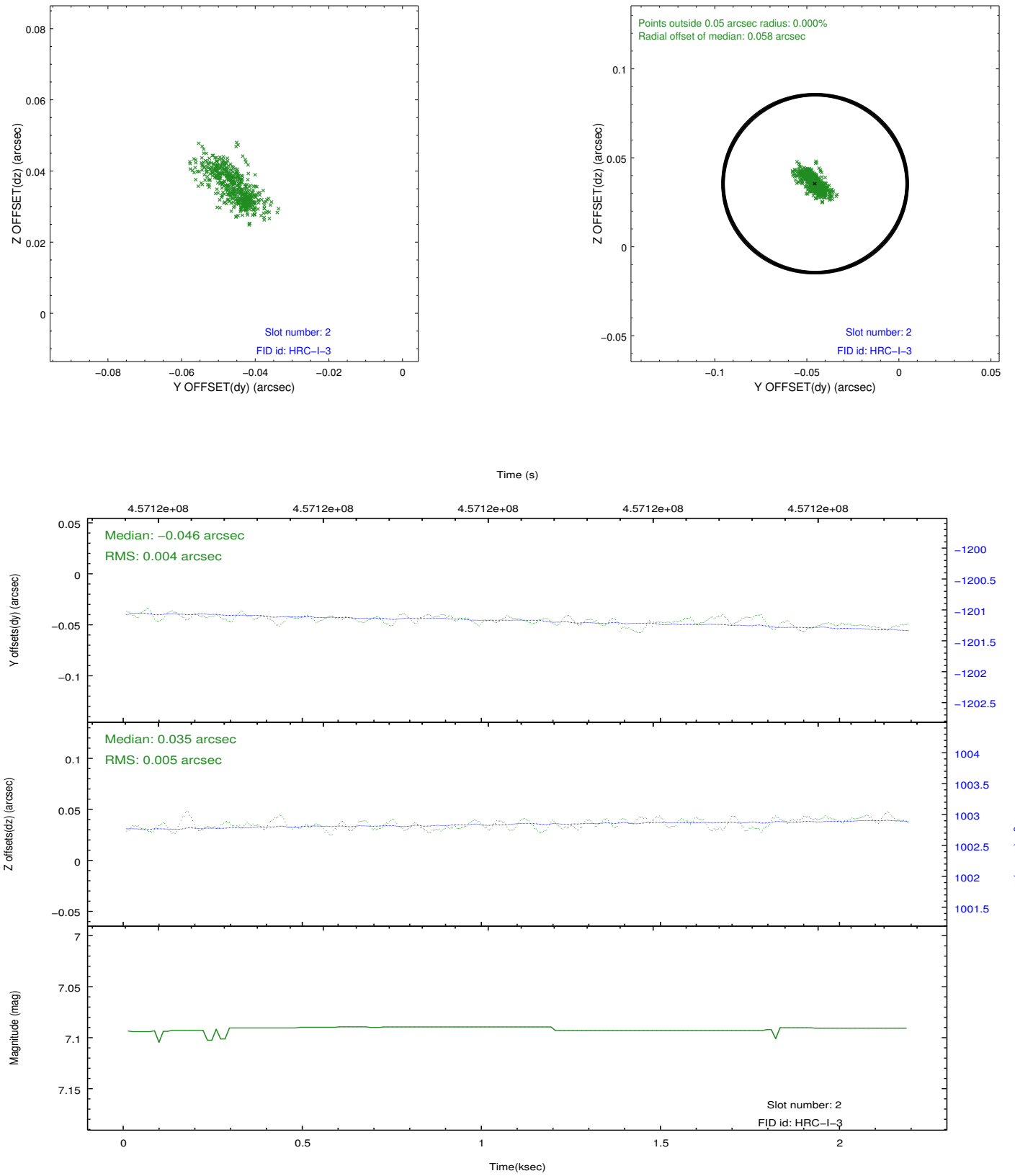
### 2.5.1 Slot 0



## 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)	2012.07.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1812001164556

### A.2 Comments

Window preference met.