

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 6458 - L2 Version 3  
Chandra X-Ray Center

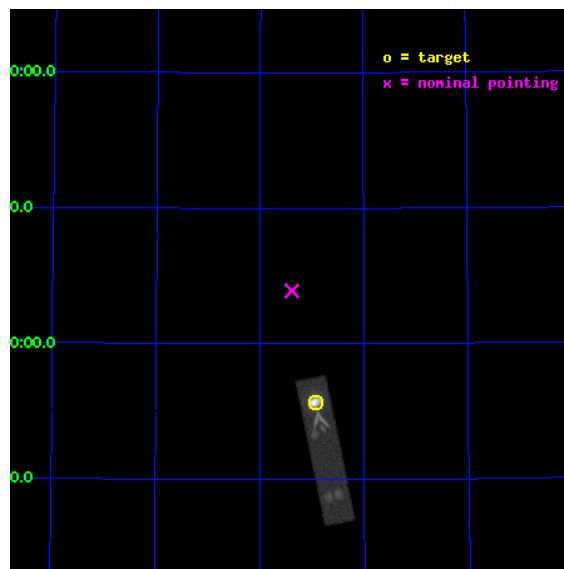
L2 Processing Date : Aug 11 2012

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# 1 Front

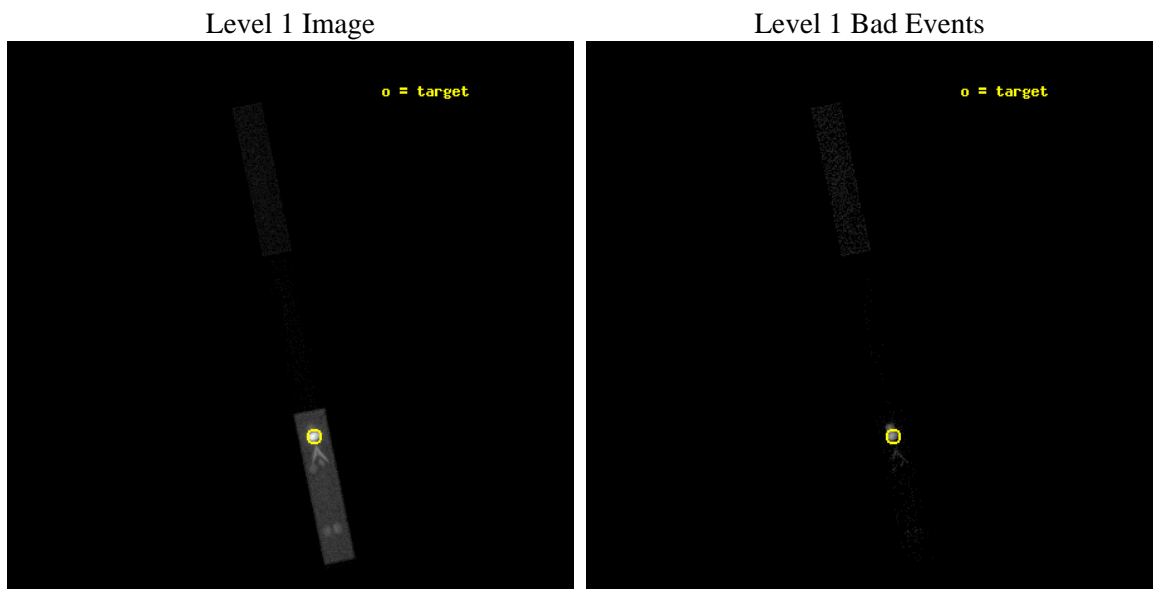
seq_num	290551	Sequence number
obs_id	6458	Observation id
title	AO7 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.34685471249	Nominal RA [deg]
dec_nom	39.196071762246	Nominal Dec [deg]
roll_nom	78.204337089979	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2088.1813471019	[s]
livetime	796.61231906588	Ontime multiplied by DTCOR
l2events	372151	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	1900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2088.1813471019	[s]
caldbver	4.5.1.1	&#160	l1events	433498	Number of level 1 events
date	2012-08-11T03:20:01	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

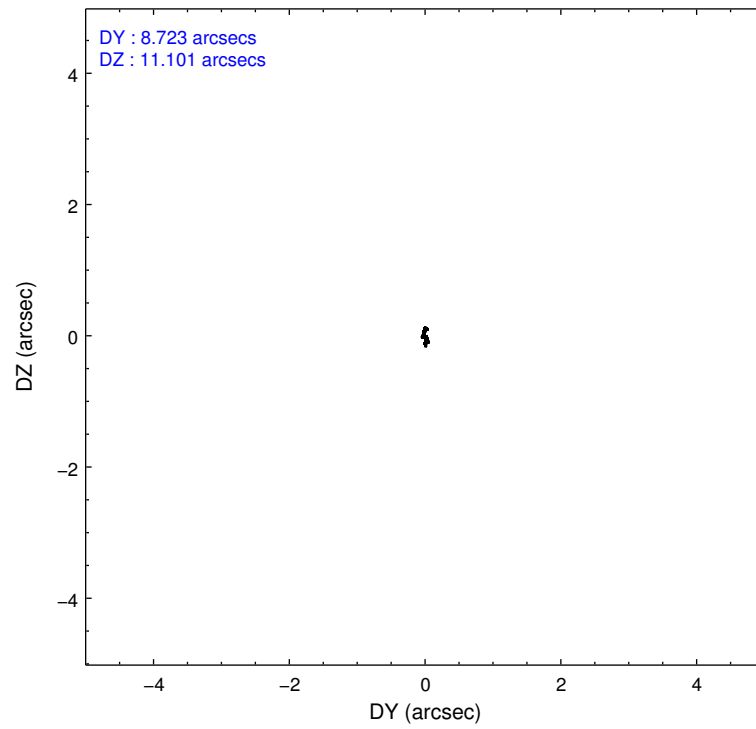
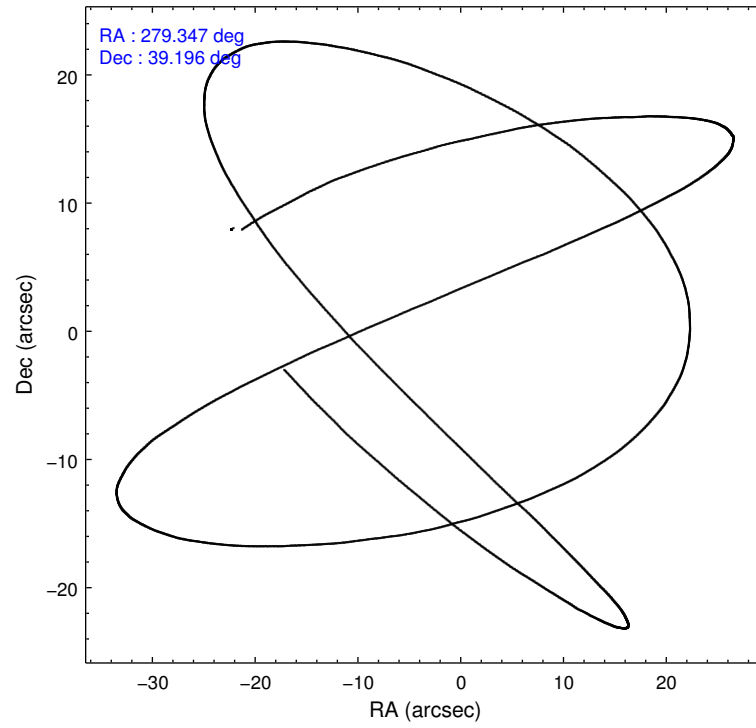
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	428499	338	4661
rejected events	43482	317	4661
rejected %	10%	93%	100%

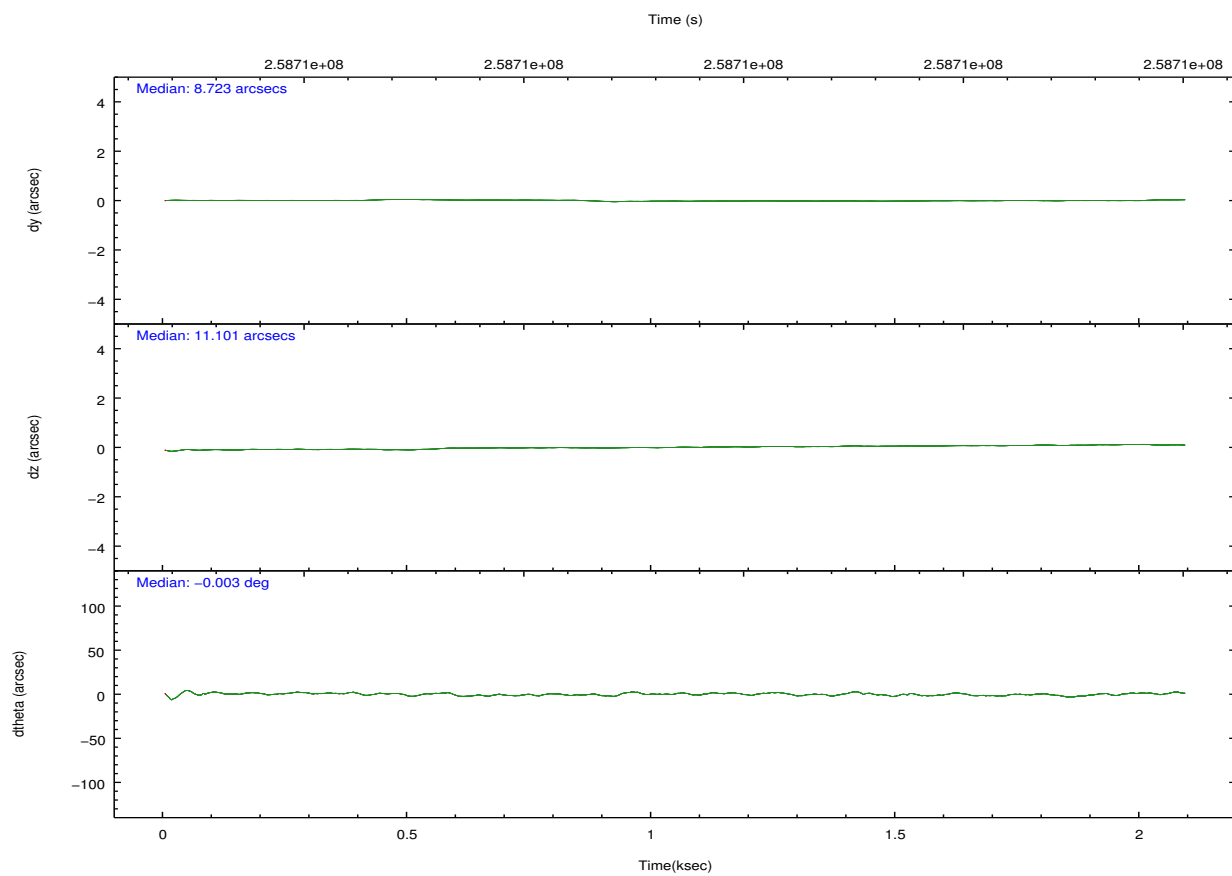
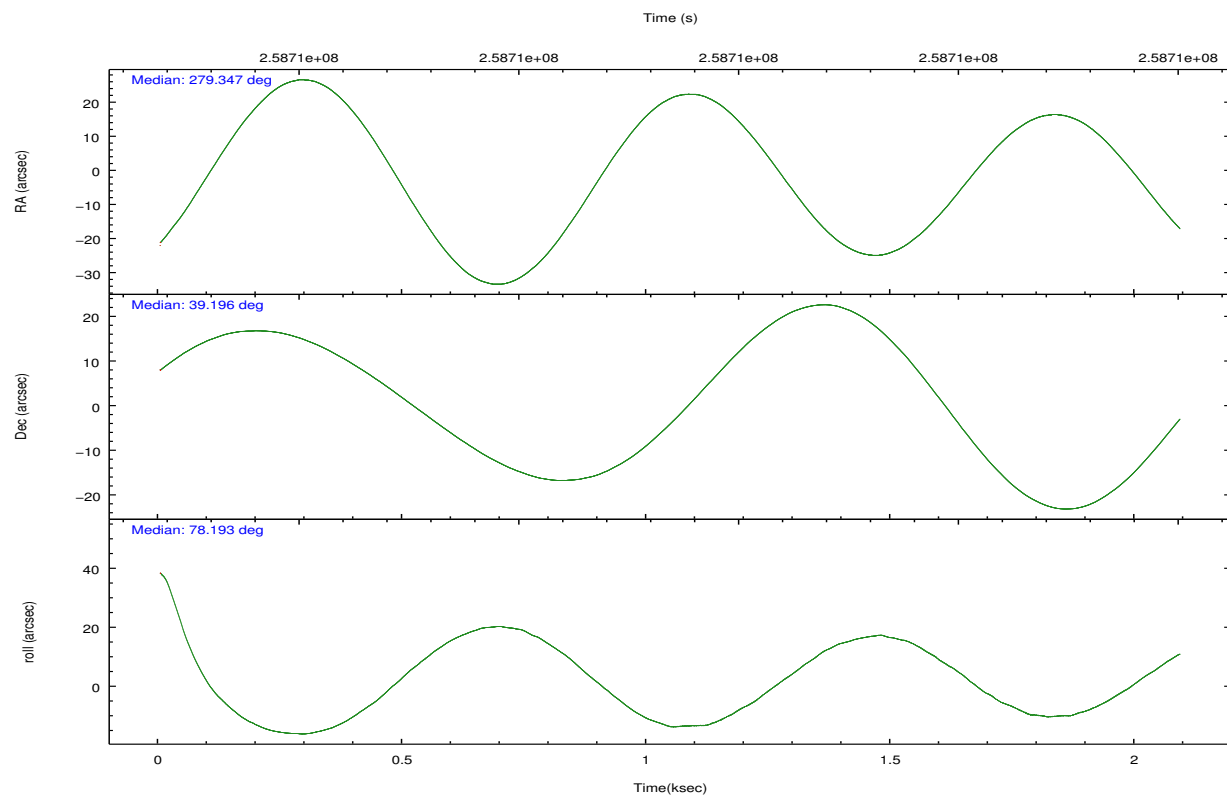
## 2.2 Compared Parameters

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	279.359518	279.346854712488
[deg] Pointing Dec	39.169461	39.19607176224619
[deg] Pointing Roll	78.128879	78.20433708997884
[s] Window start time (MET)	255139265.184000	255139265.184000
[s] Window stop time (MET)	260150465.184000	260150465.184000
[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)	258707491.184000	258707115.68086
Observation start date	2006-03-14T07:10:26	2006-03-14T07:05:15
[s] Observation end time (MET)	258709391.184000	258709525.45598
Observation end date	2006-03-14T07:42:06	2006-03-14T07:45:25

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

## 2.3 Aspect





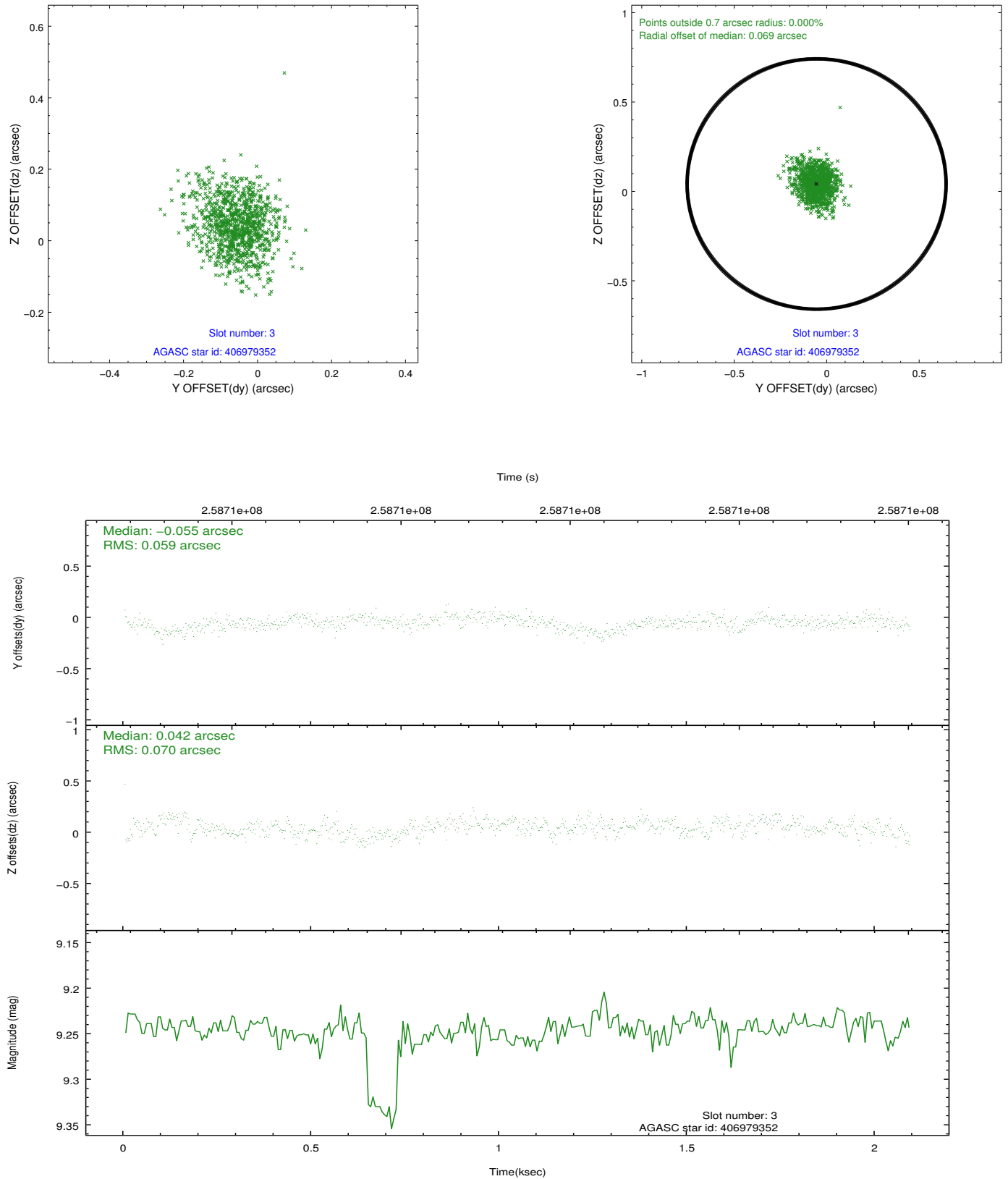
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	510	0.095	-0.184	0.008	0.013	0.000000	0.000000	-1162.94	-459.84
1	FID	HRC-S-3	7.03	510	0.060	-0.028	0.009	0.015	0.000000	0.000000	-1167.97	568.93
2	FID	HRC-S-4	6.99	510	0.234	-0.085	0.005	0.010	0.000000	0.000000	1233.15	573.45
3	GUIDE	406979352	9.25	1016	-0.055	0.042	0.098	0.159	279.968297	39.230258	568.42	-1613.42
4	GUIDE	406983600	8.93	1019	0.159	0.030	0.087	0.147	279.940957	39.020708	-183.65	-1700.88
5	GUIDE	406985120	7.42	1020	0.076	-0.058	0.071	0.108	278.839732	38.894839	-1263.19	1222.67
6	GUIDE	407510432	8.14	1020	-0.010	-0.116	0.072	0.119	278.762778	39.530640	935.53	1893.24
7	GUIDE	407513096	8.13	1019	-0.168	0.110	0.058	0.095	279.928965	39.436841	1273.72	-1346.28

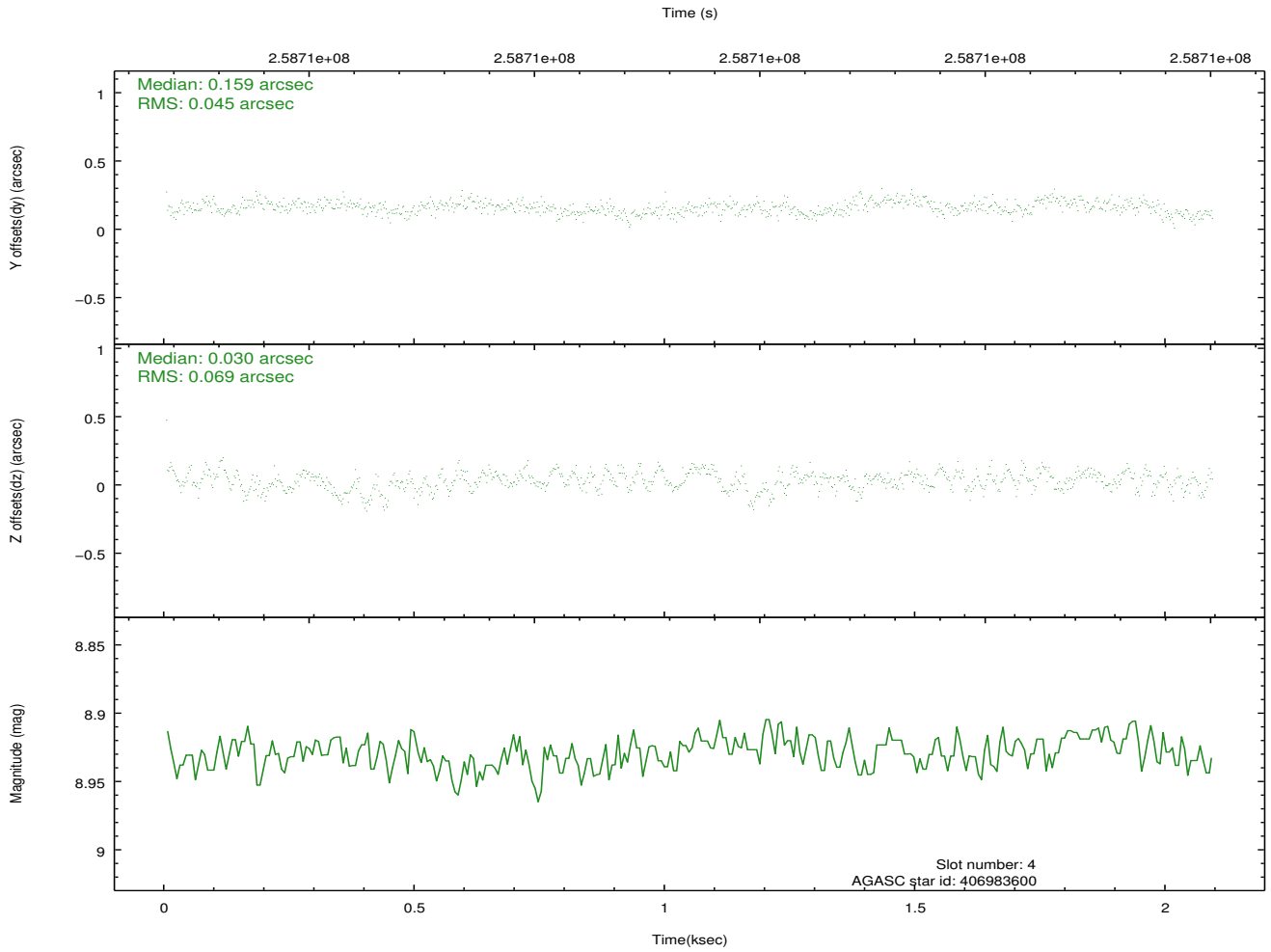
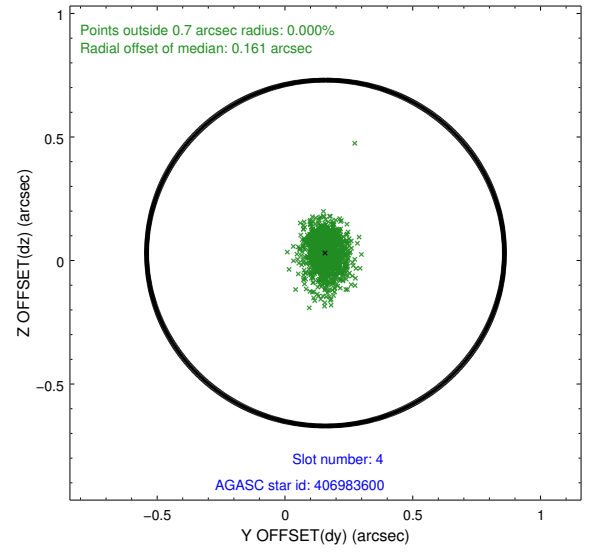
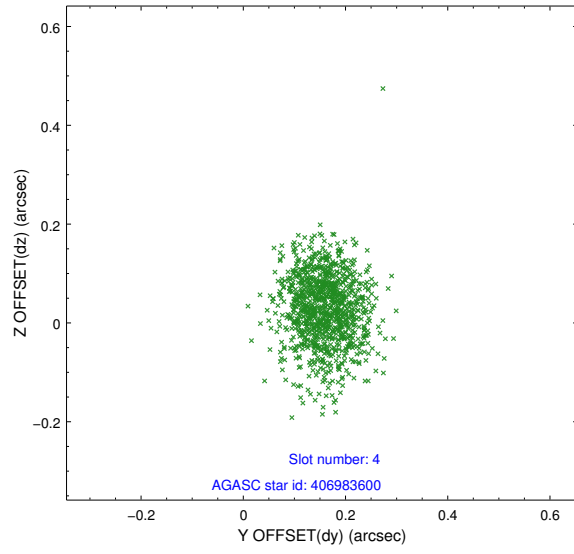


## 2.4 Star Slots

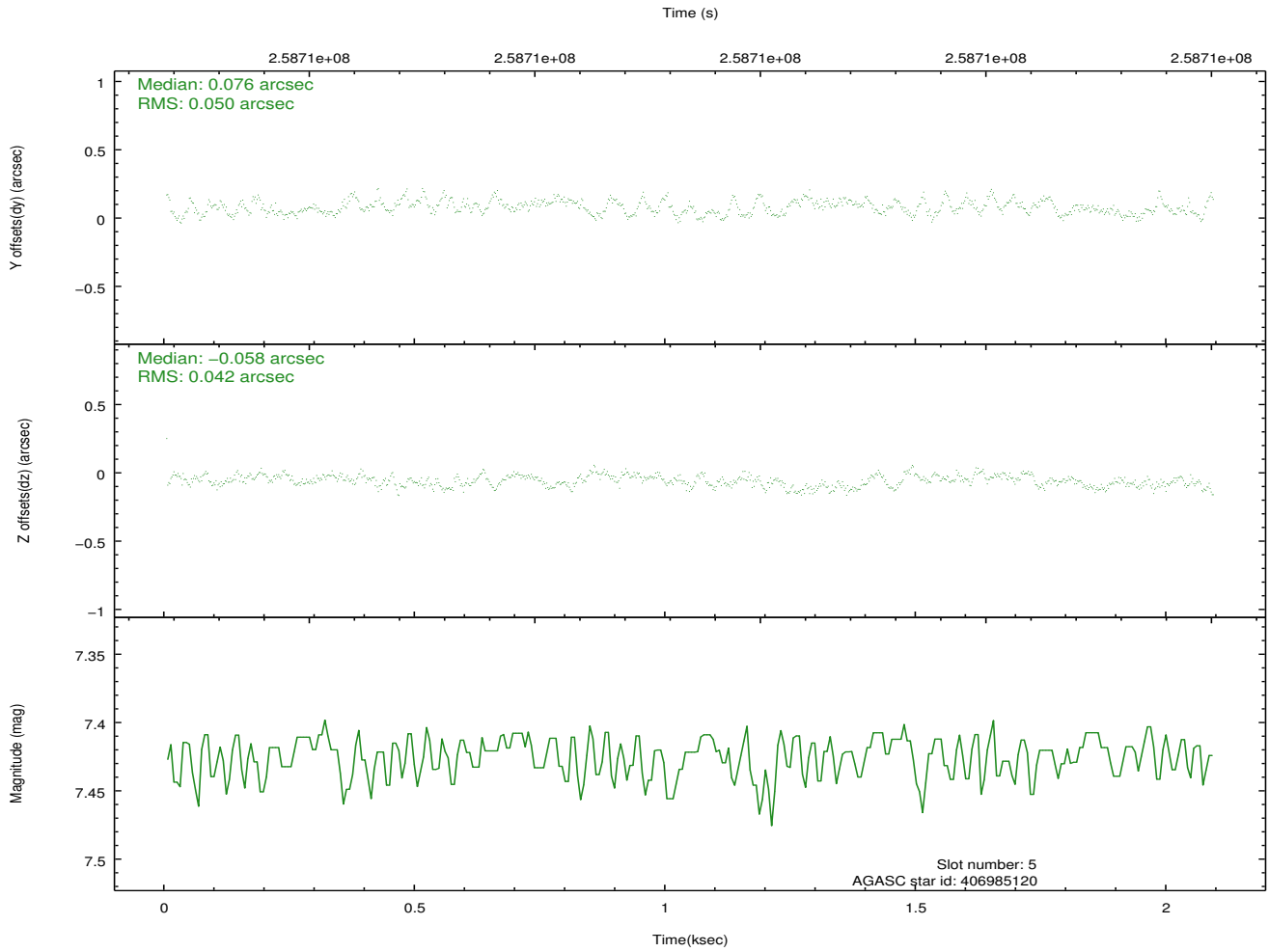
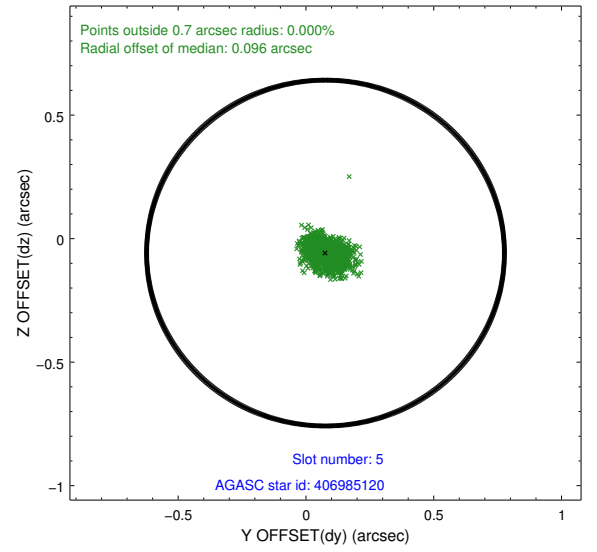
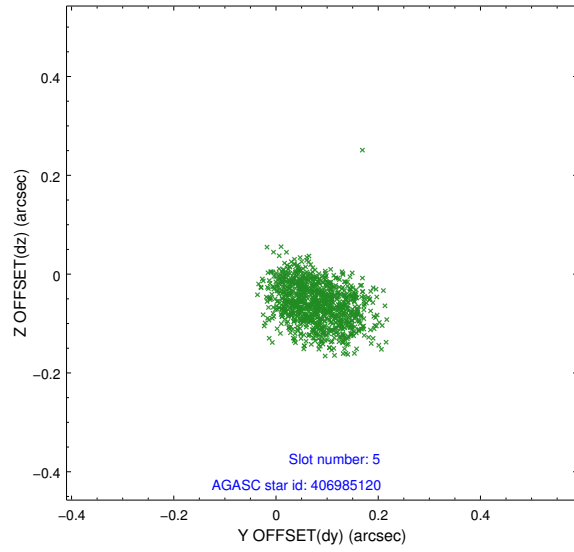
### 2.4.1 Slot 3



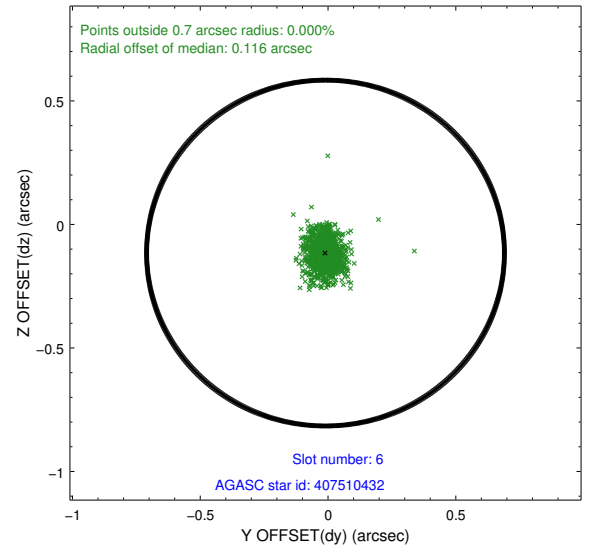
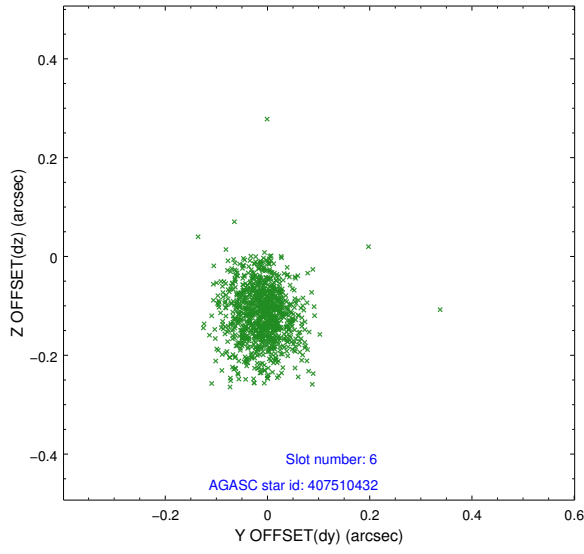
## 2.4.2 Slot 4



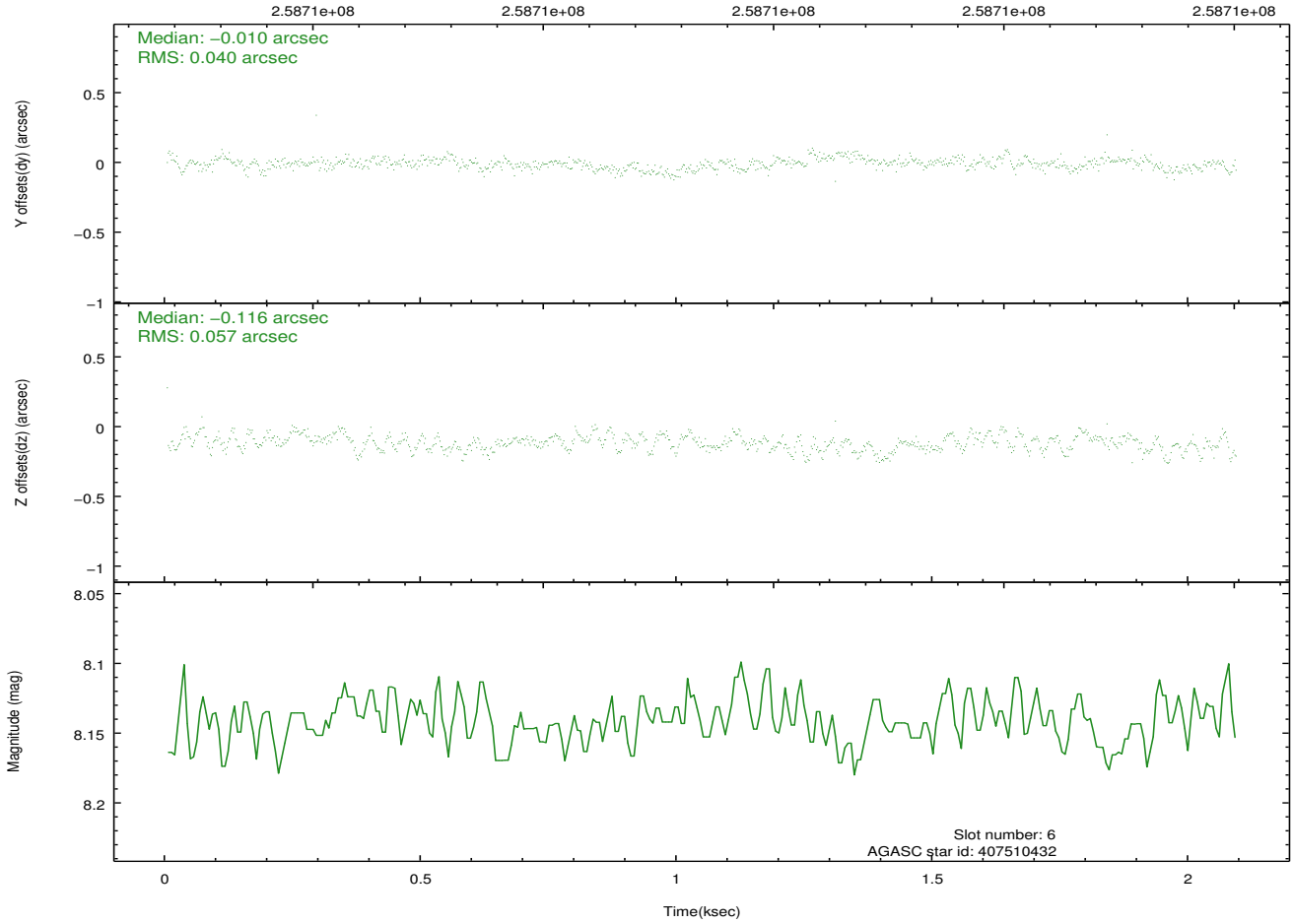
### 2.4.3 Slot 5



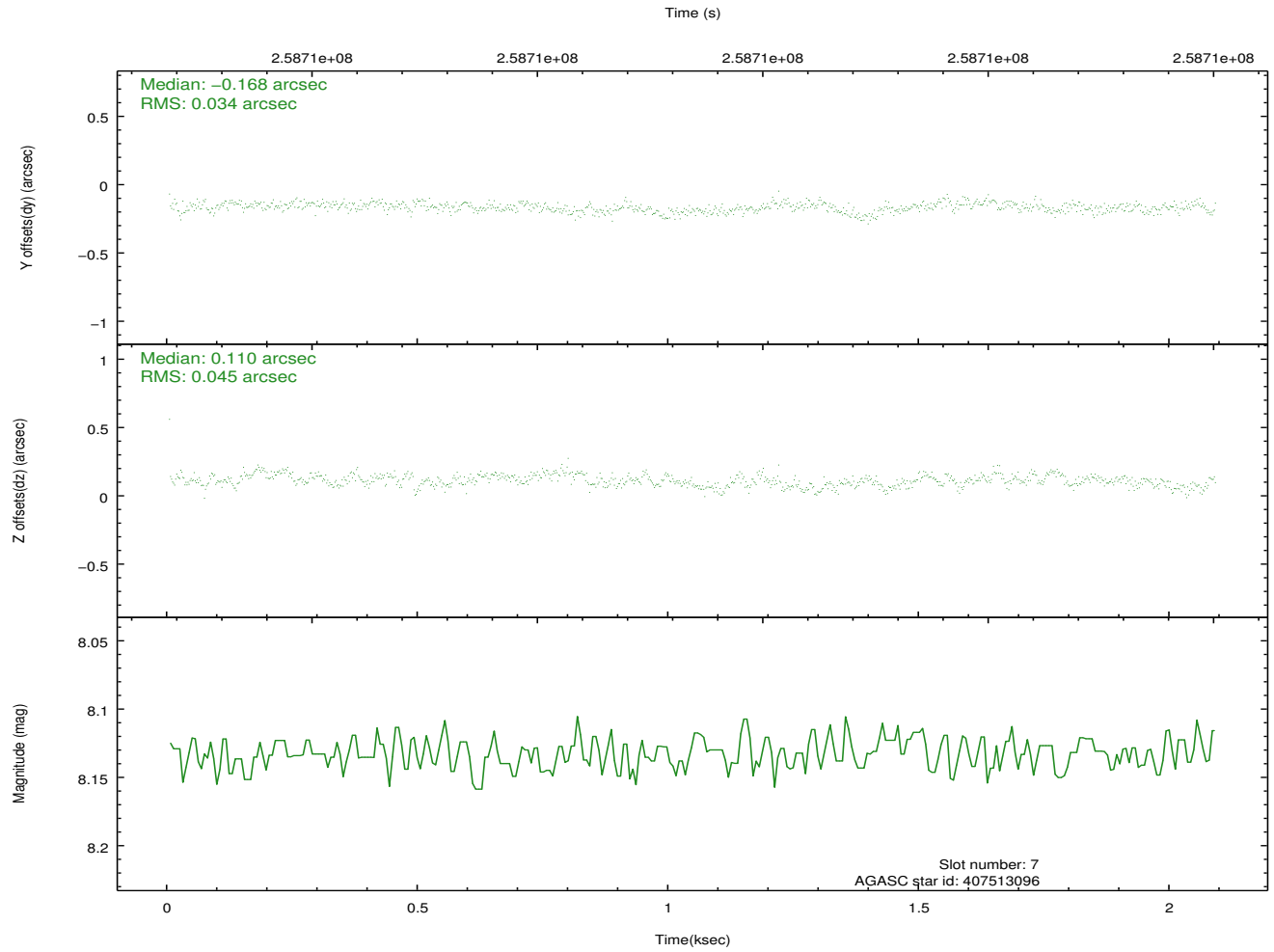
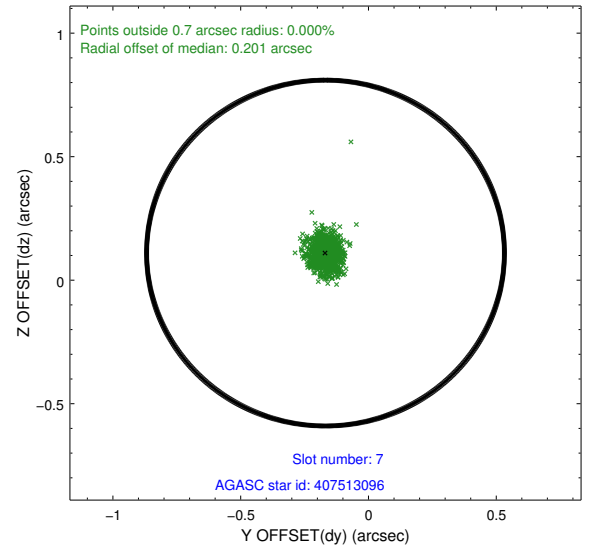
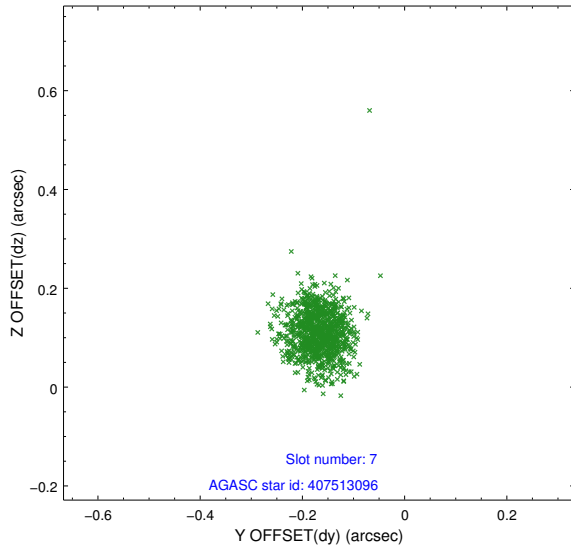
## 2.4.4 Slot 6



Time (s)

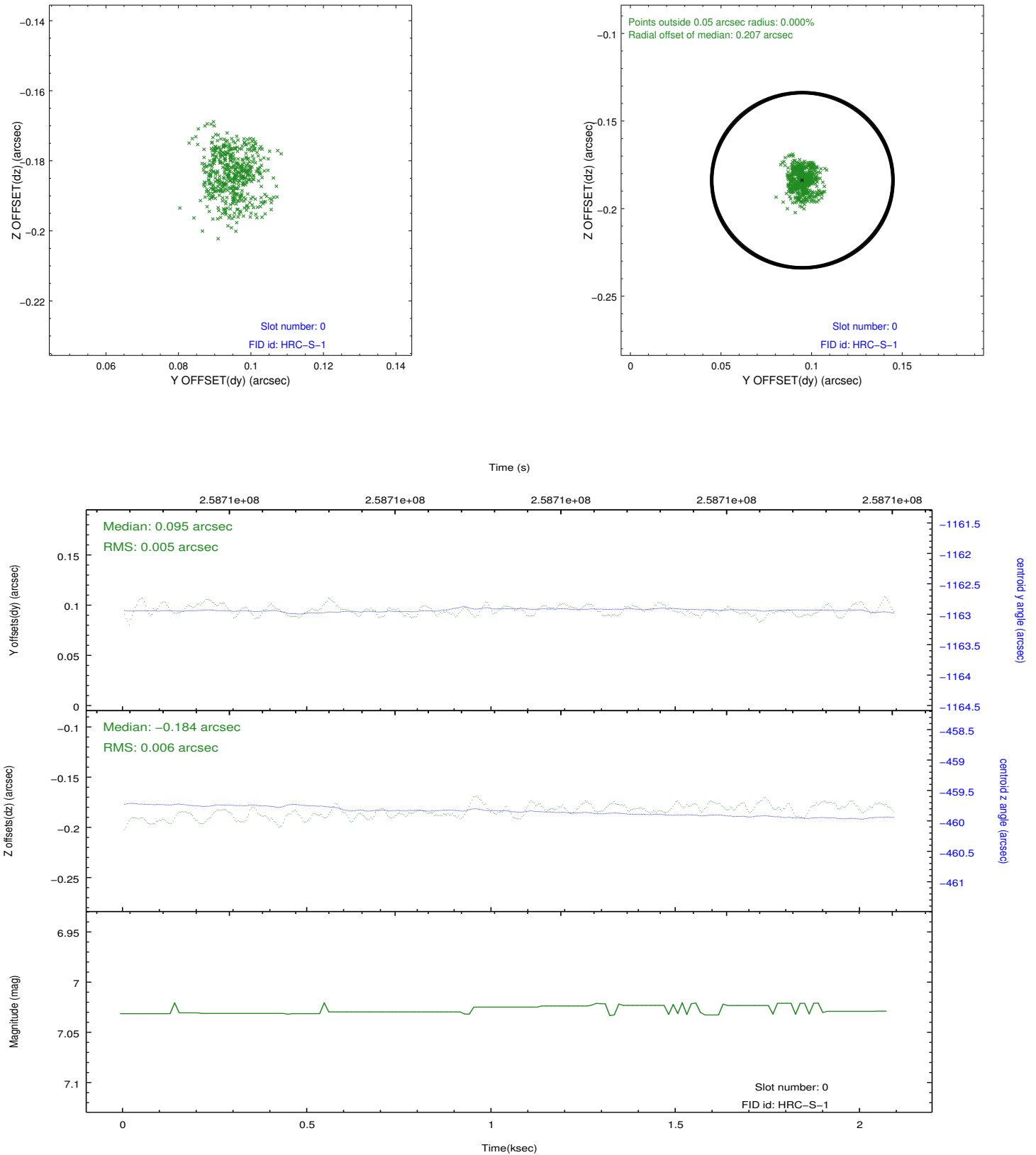


## 2.4.5 Slot 7

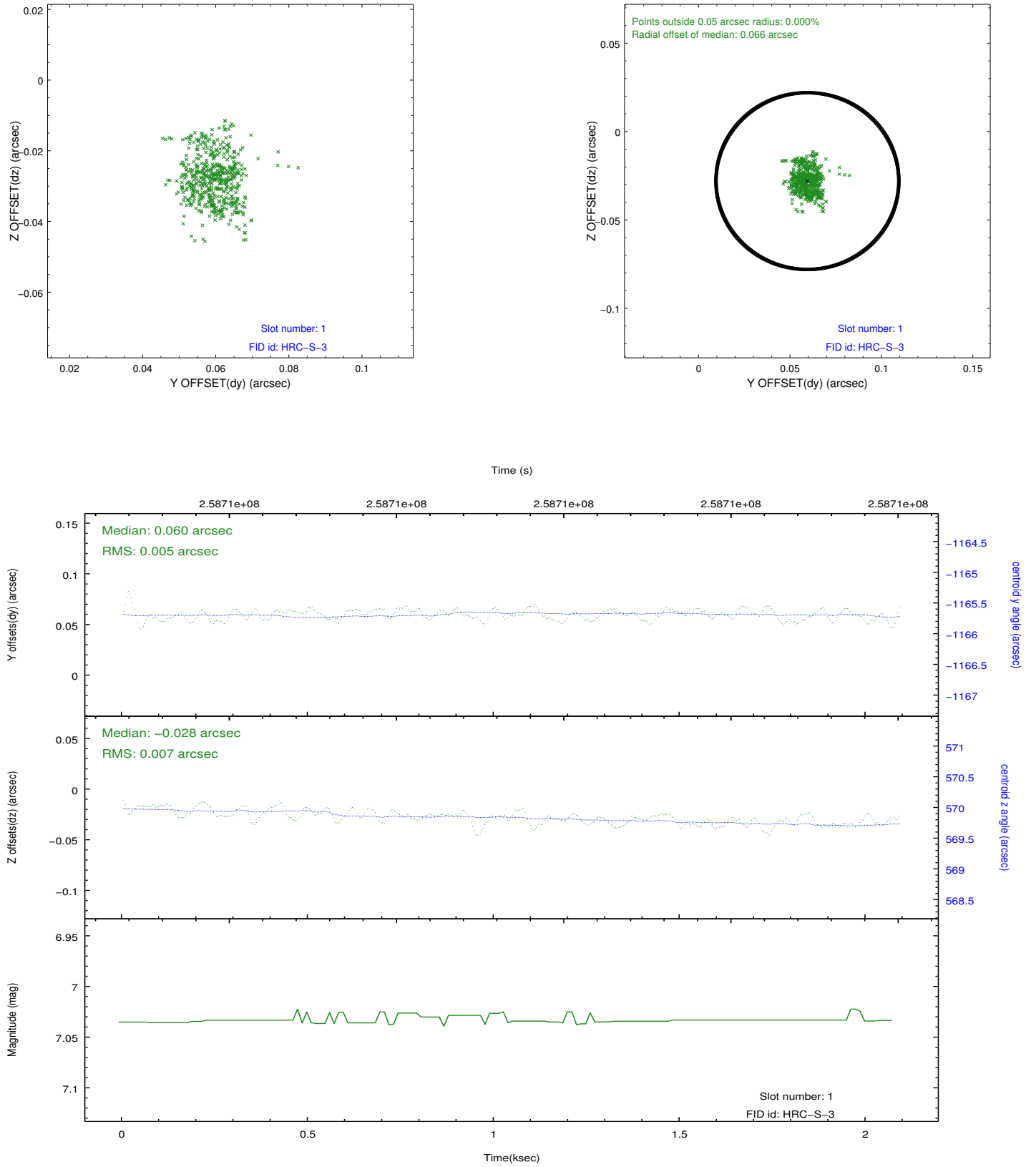


## 2.5 FID Slots

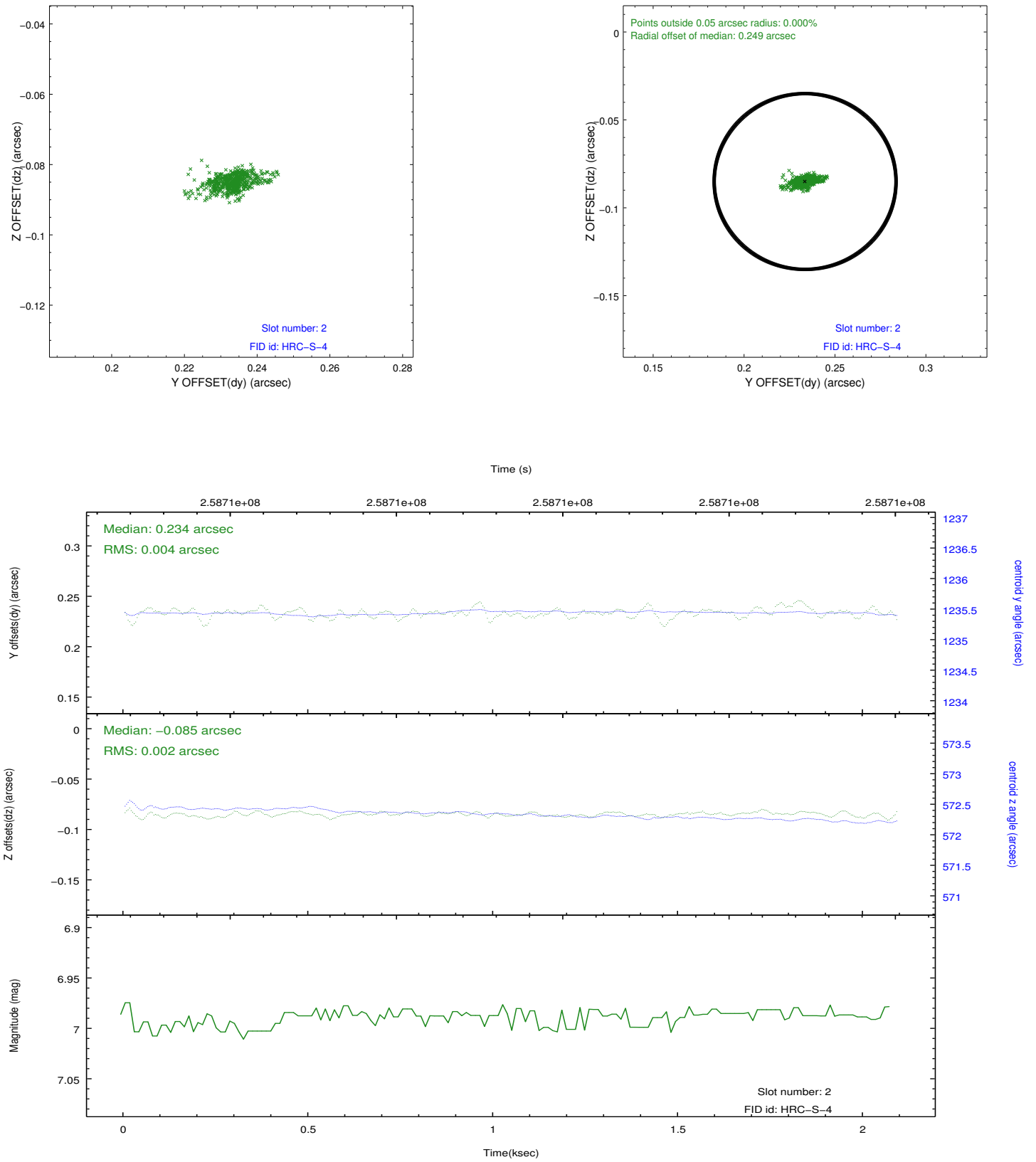
### 2.5.1 Slot 0



## 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)	2012.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.08818134

### A.2 Comments

Window constraint satisfied.