

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 5978 - L2 Version 4  
Chandra X-Ray Center

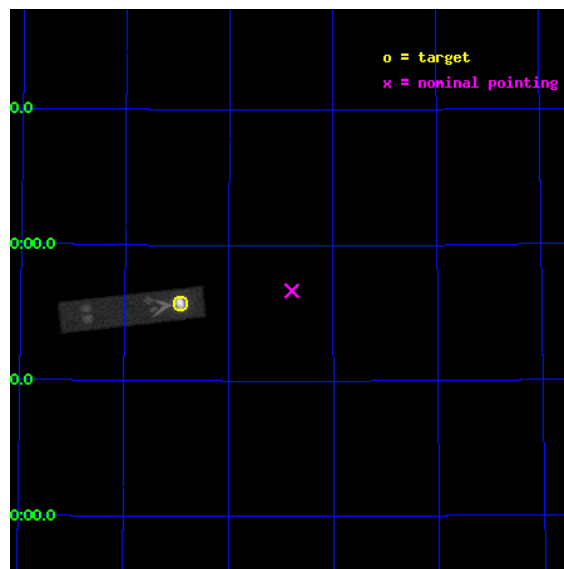
L2 Processing Date : Dec 25 2012

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# 1 Front

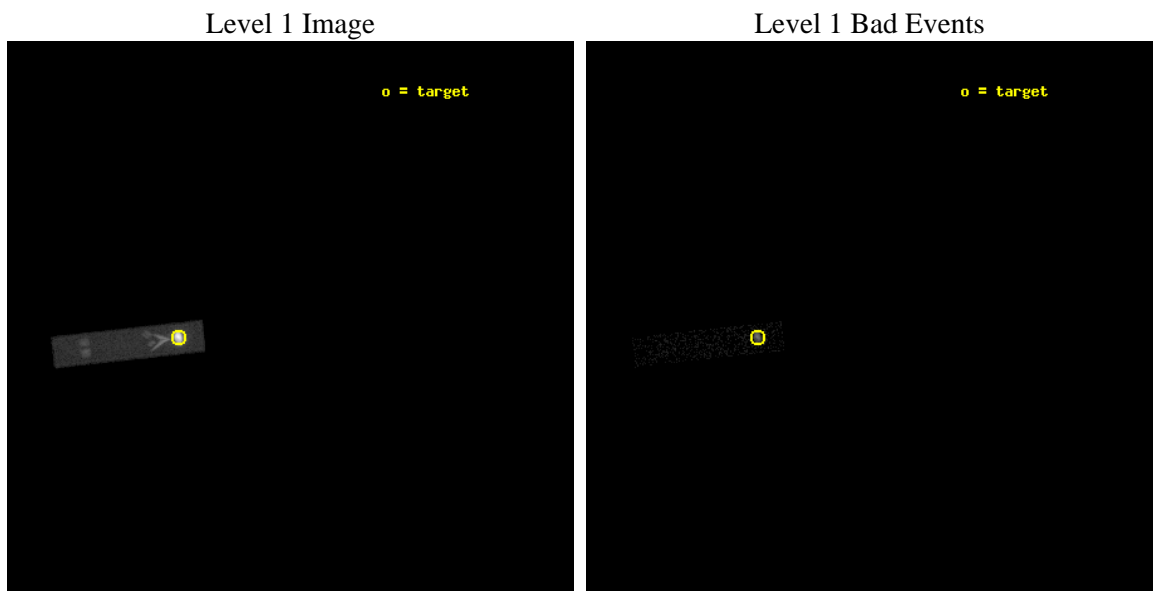
seq_num	290470	Sequence number
obs_id	5978	Observation id
title	AO6 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	278.69794156418	Nominal RA [deg]
dec_nom	38.83287924776	Nominal Dec [deg]
roll_nom	173.57521587677	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2182.2250997126	[s]
livetime	846.89590429351	Ontime multiplied by DTCOR
l2events	390090	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	8.5.1.1	Processing system revision	ontime	2182.2250997126	[s]
caldsver	4.5.5	&#160	l1events	443307	Number of level 1 events
date	2012-12-25T05:42:57	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

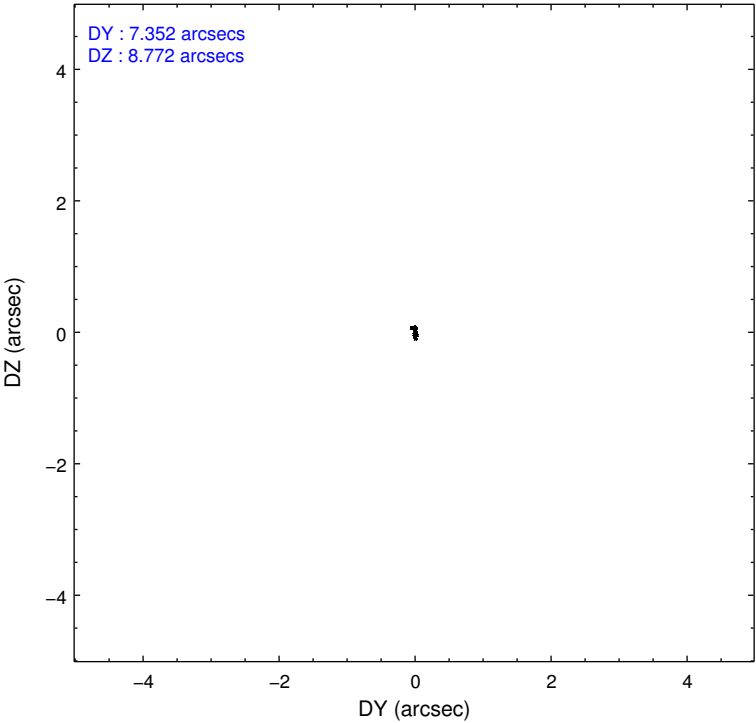
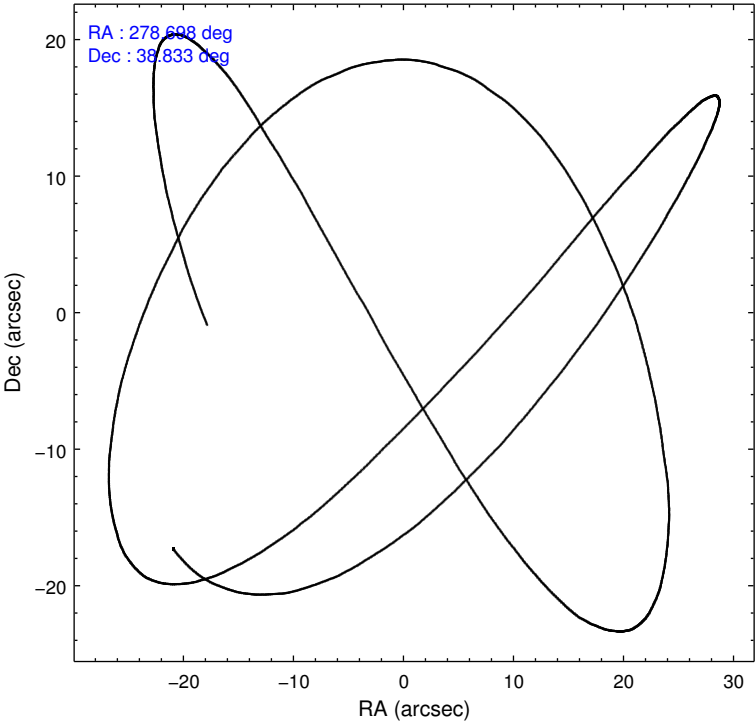
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	443271	25	11
rejected events	40907	10	11
rejected %	9%	40%	100%

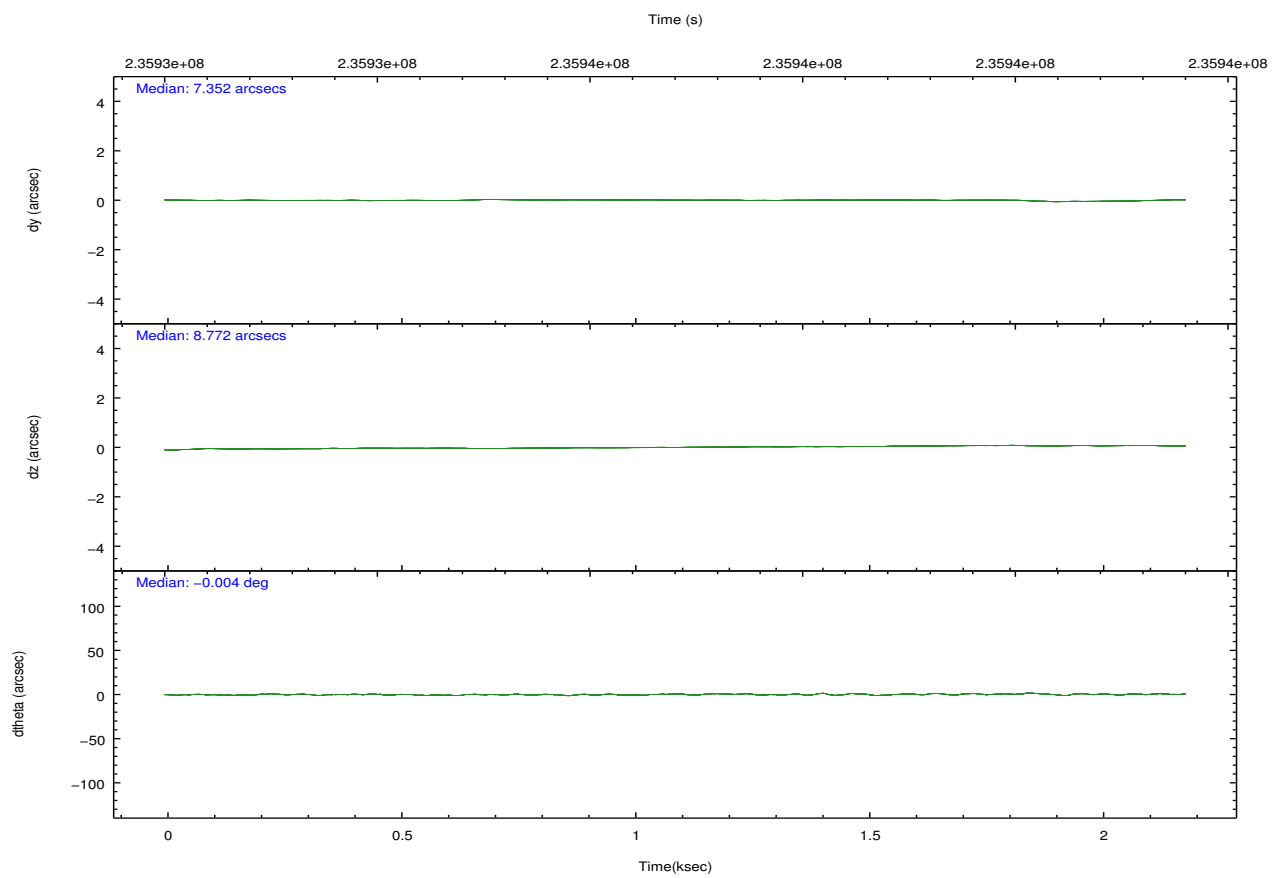
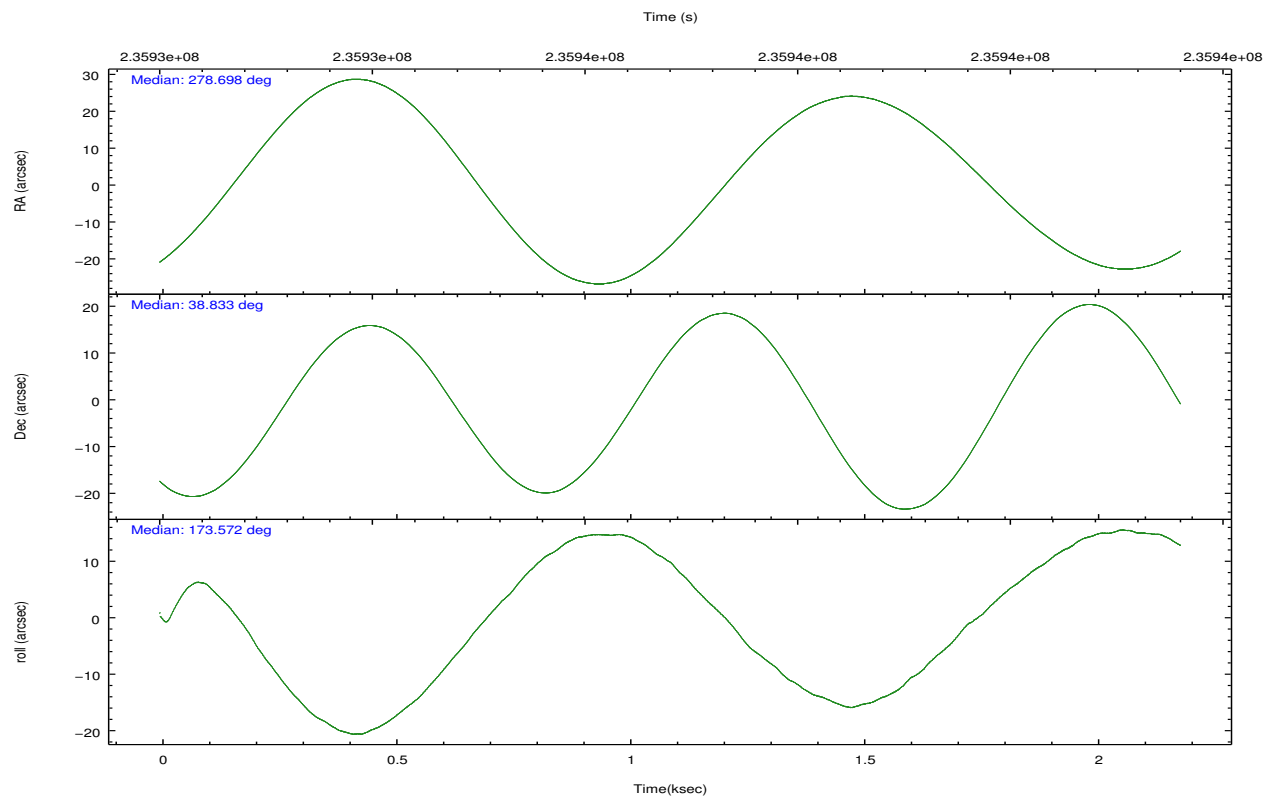
## 2.2 Compared Parameters

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	278.730844	278.6979415641796
[deg] Pointing Dec	38.845496	38.83287924775996
[deg] Pointing Roll	173.487248	173.5752158767723
[s] Window start time (MET)	231292864.184000	231292864.184000
[s] Window stop time (MET)	236476864.184000	236476864.184000
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	235934287.184000	235933910.6307
Observation start date	2005-06-23T17:17:03	2005-06-23T17:11:50
[s] Observation end time (MET)	235936287.184000	235937653.93087
Observation end date	2005-06-23T17:50:23	2005-06-23T18:14:13

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

2.3 Aspect





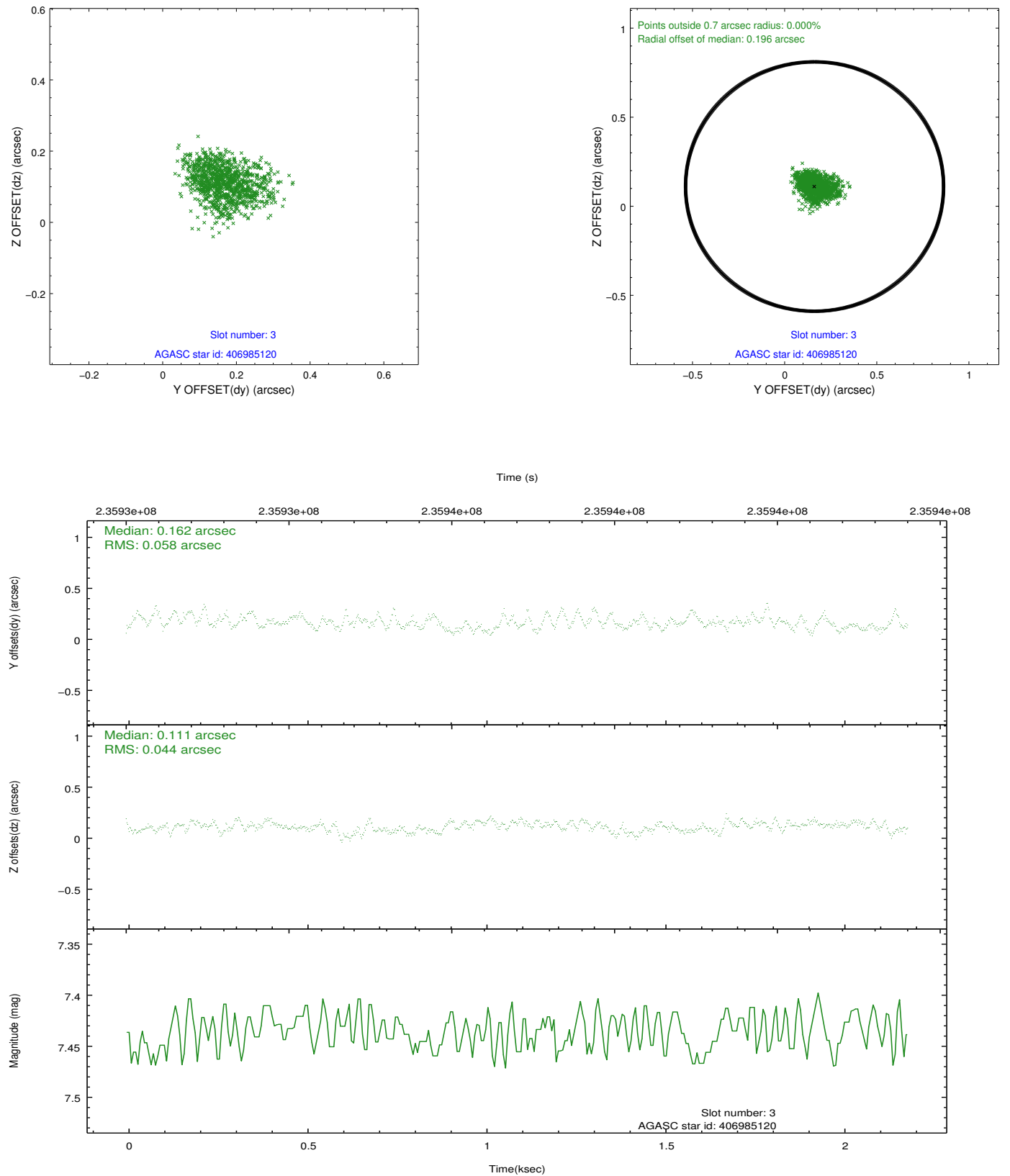
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	533	0.133	-0.156	0.006	0.010	0.000000	0.000000	-1161.50	-457.43
1	FID	HRC-S-2	7.03	533	0.173	-0.120	0.005	0.009	0.000000	0.000000	1236.04	-450.88
2	FID	HRC-S-3	7.04	533	0.085	-0.026	0.007	0.011	0.000000	0.000000	-1161.96	571.39
3	GUIDE	406985120	7.44	1066	0.162	0.111	0.077	0.127	278.839732	38.894839	-282.69	-210.62
4	GUIDE	406987272	6.92	1066	-0.131	-0.131	0.060	0.100	278.536588	38.437504	377.50	1520.84
5	GUIDE	406987656	8.70	1066	0.008	0.075	0.065	0.103	277.865333	38.378958	2238.08	1936.71
6	GUIDE	406989616	8.23	1065	0.073	-0.074	0.073	0.116	279.202881	38.520843	-1450.96	1009.26
7	GUIDE	407521232	8.63	1065	-0.116	0.028	0.084	0.137	279.628883	39.431715	-2241.54	-2390.93

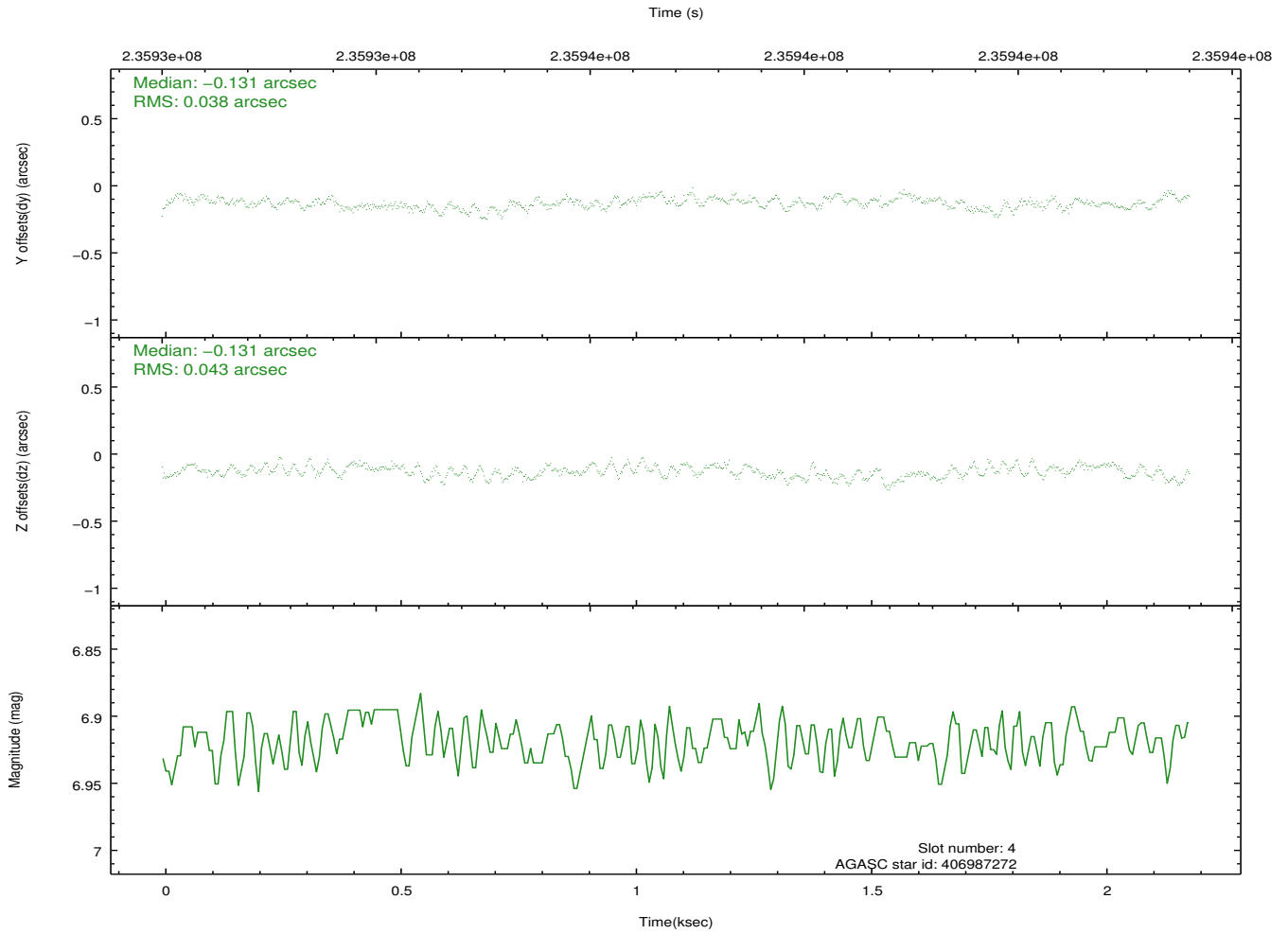
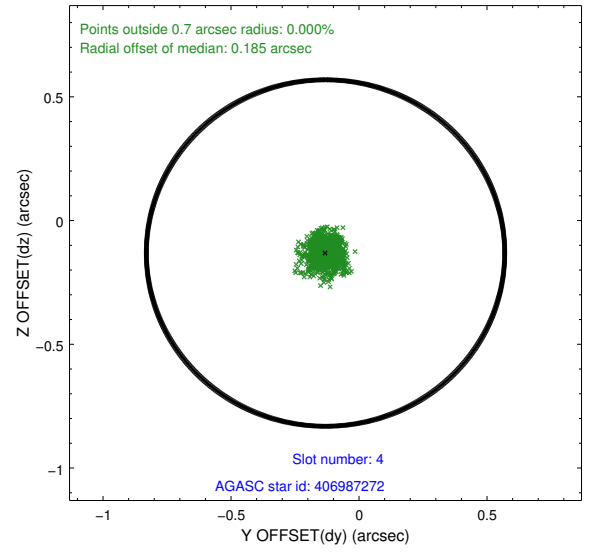
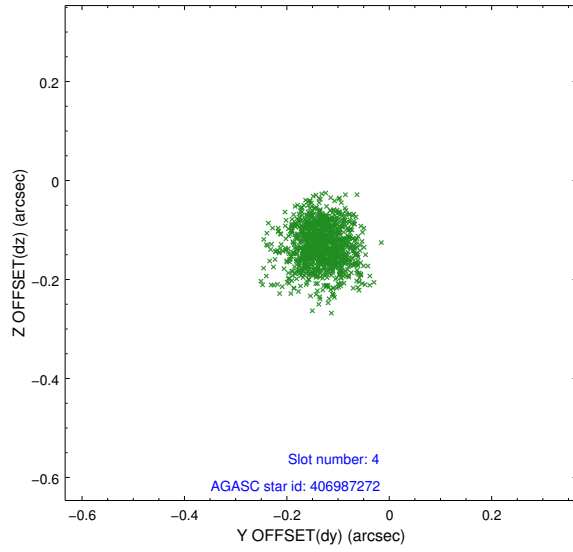


## 2.4 Star Slots

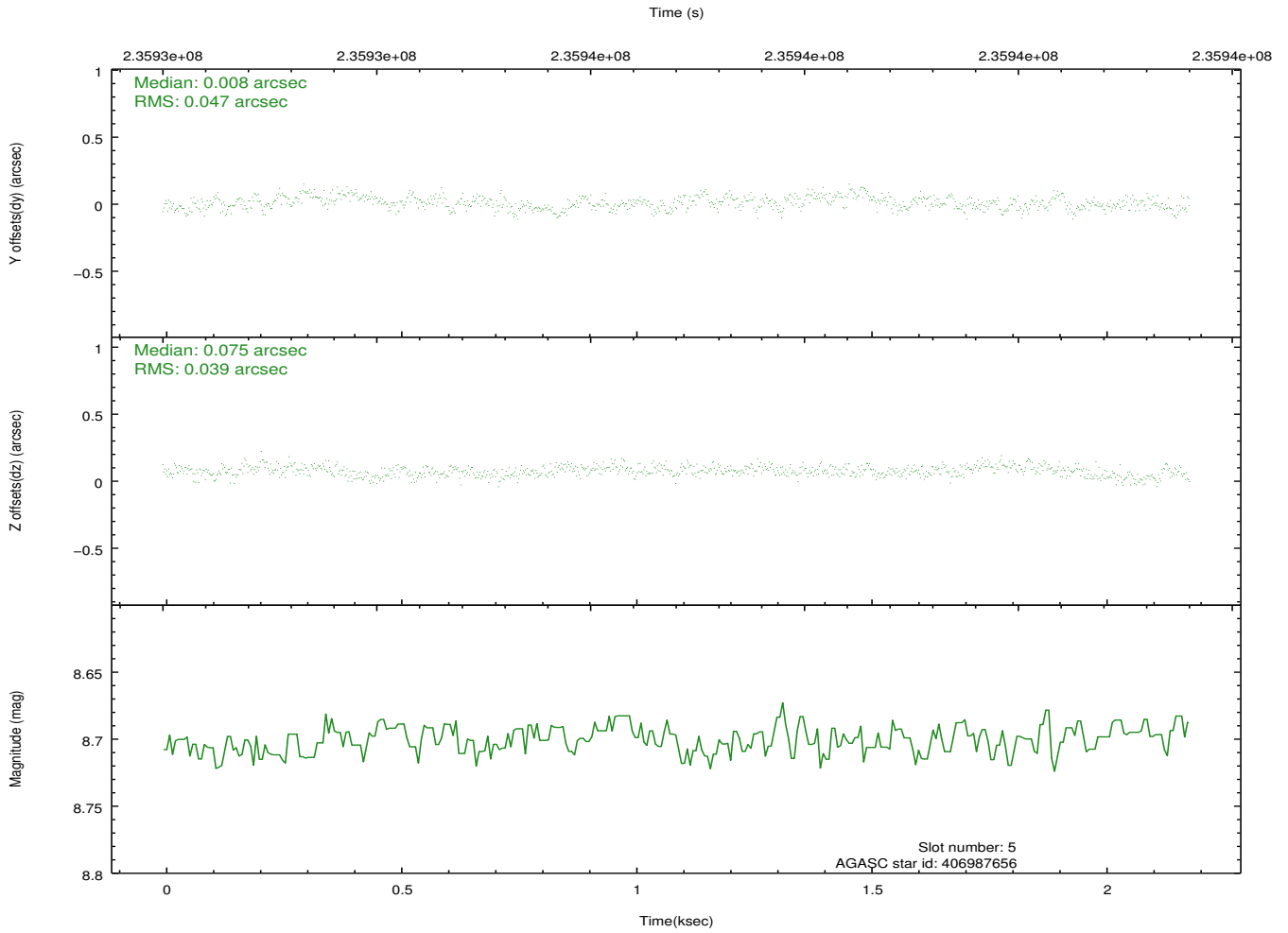
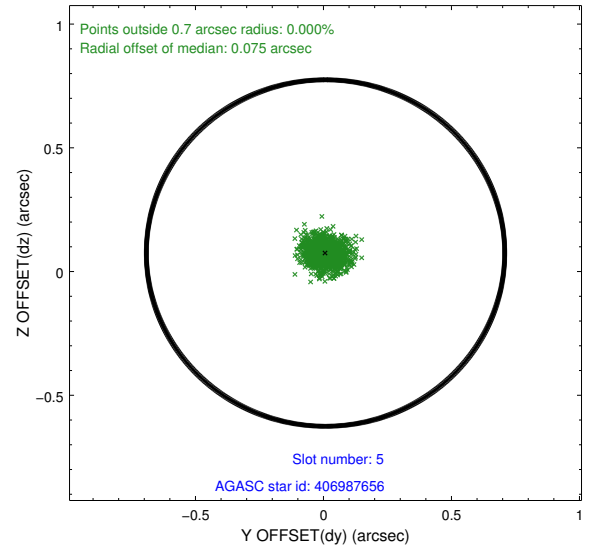
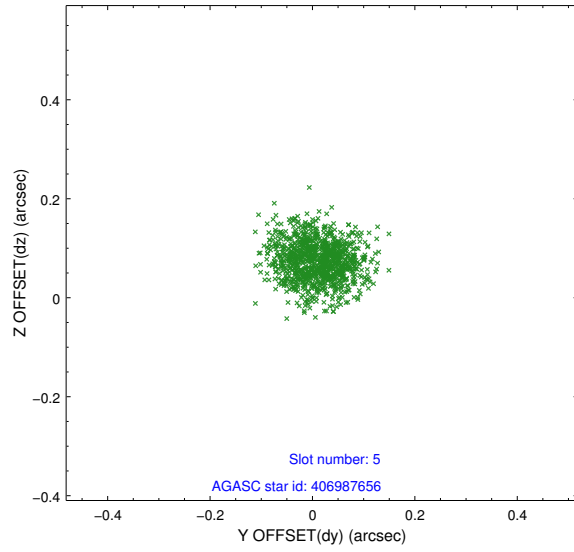
### 2.4.1 Slot 3



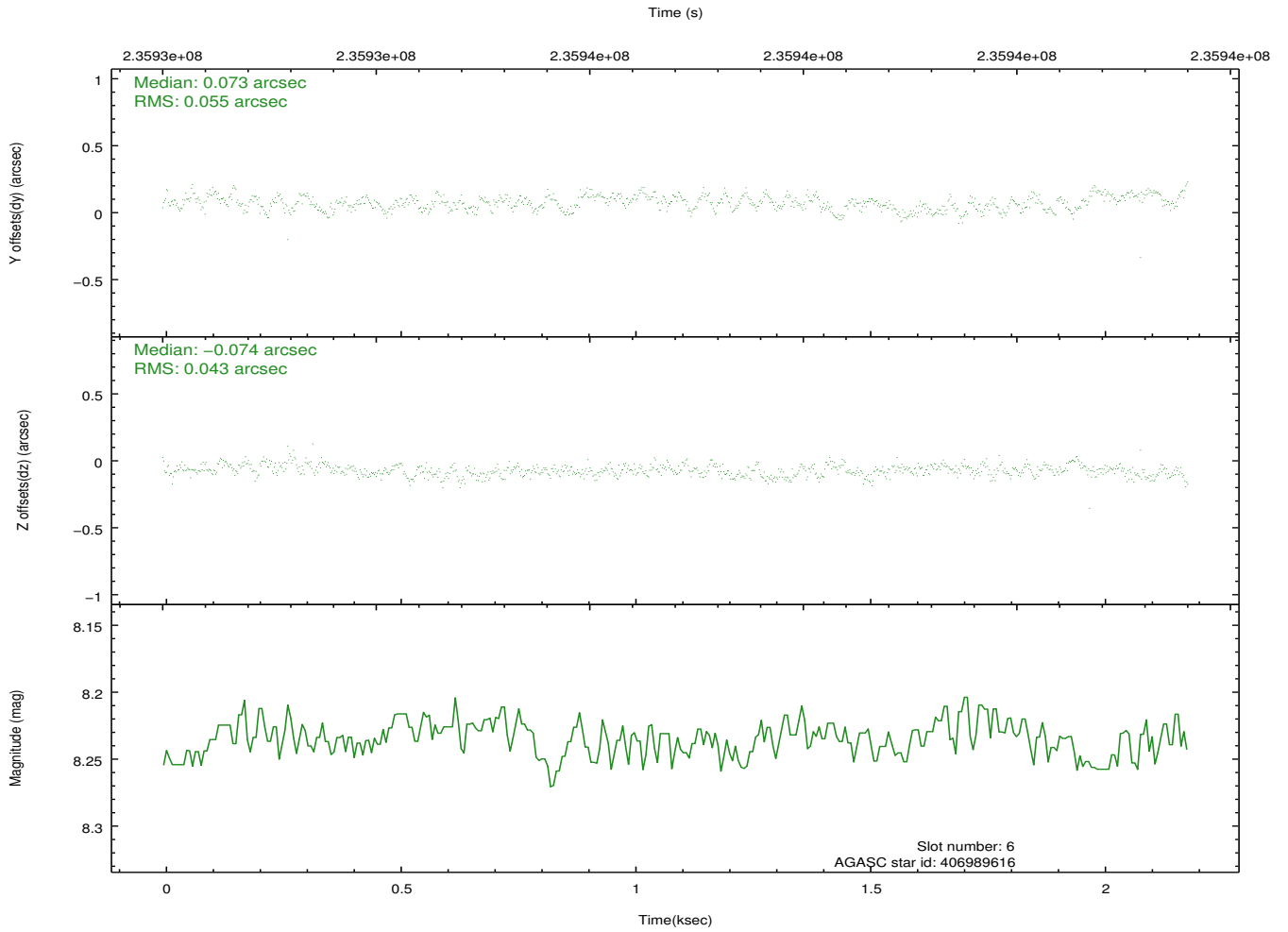
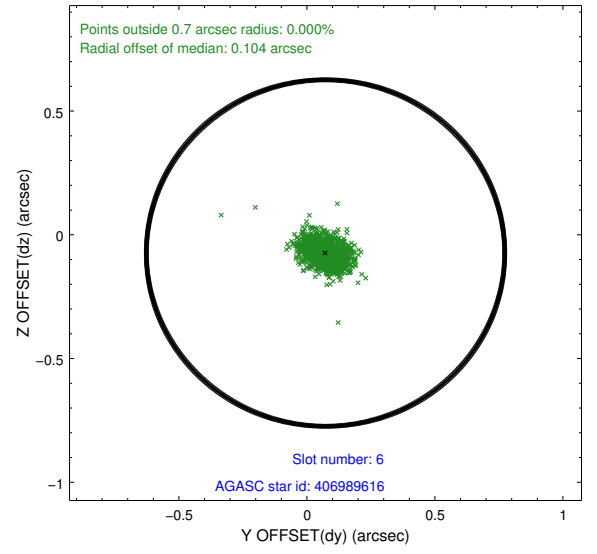
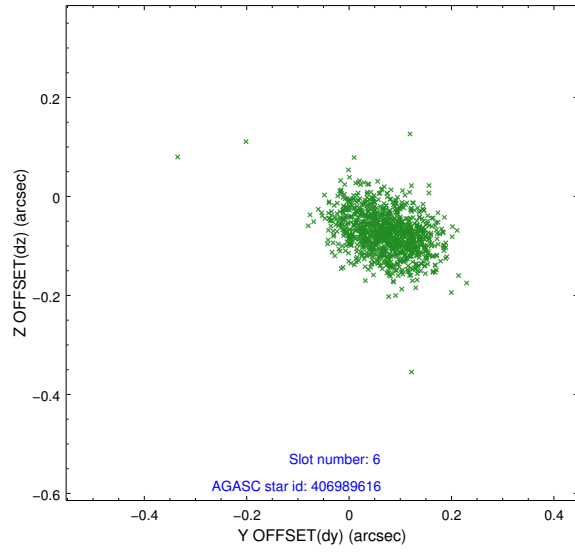
## 2.4.2 Slot 4



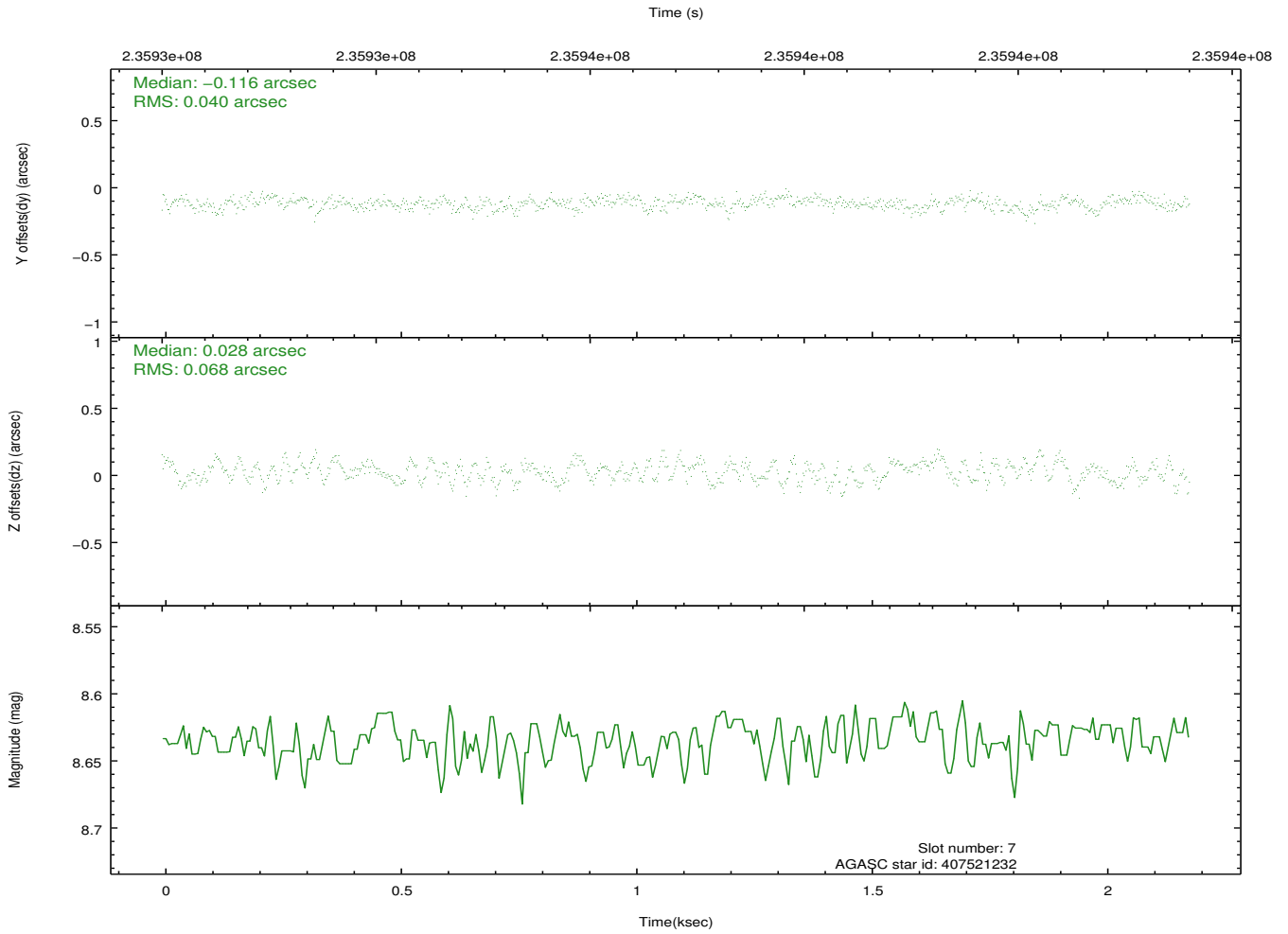
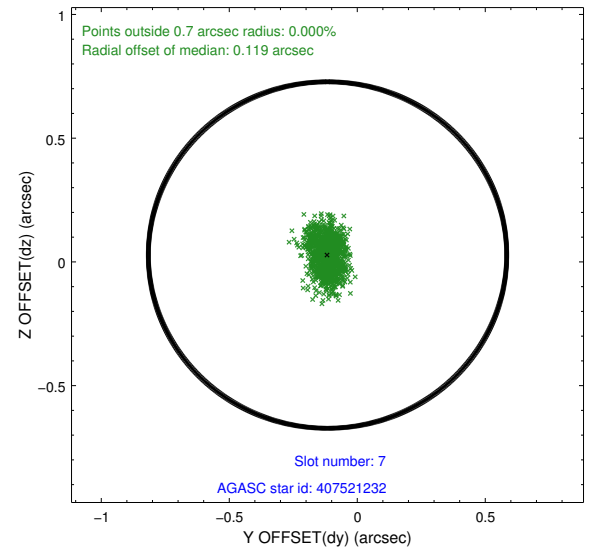
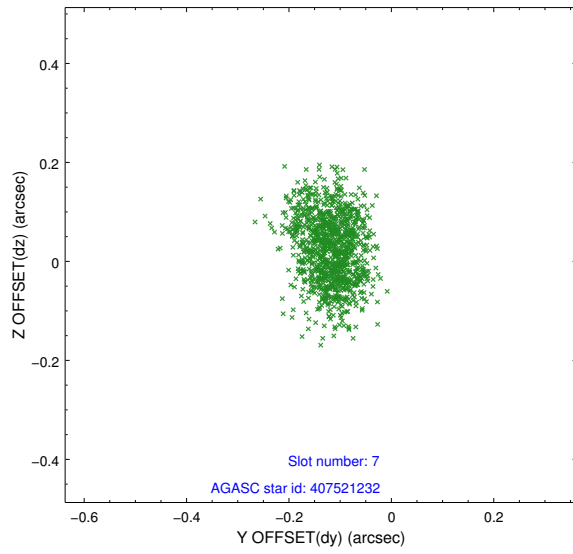
### 2.4.3 Slot 5



## 2.4.4 Slot 6

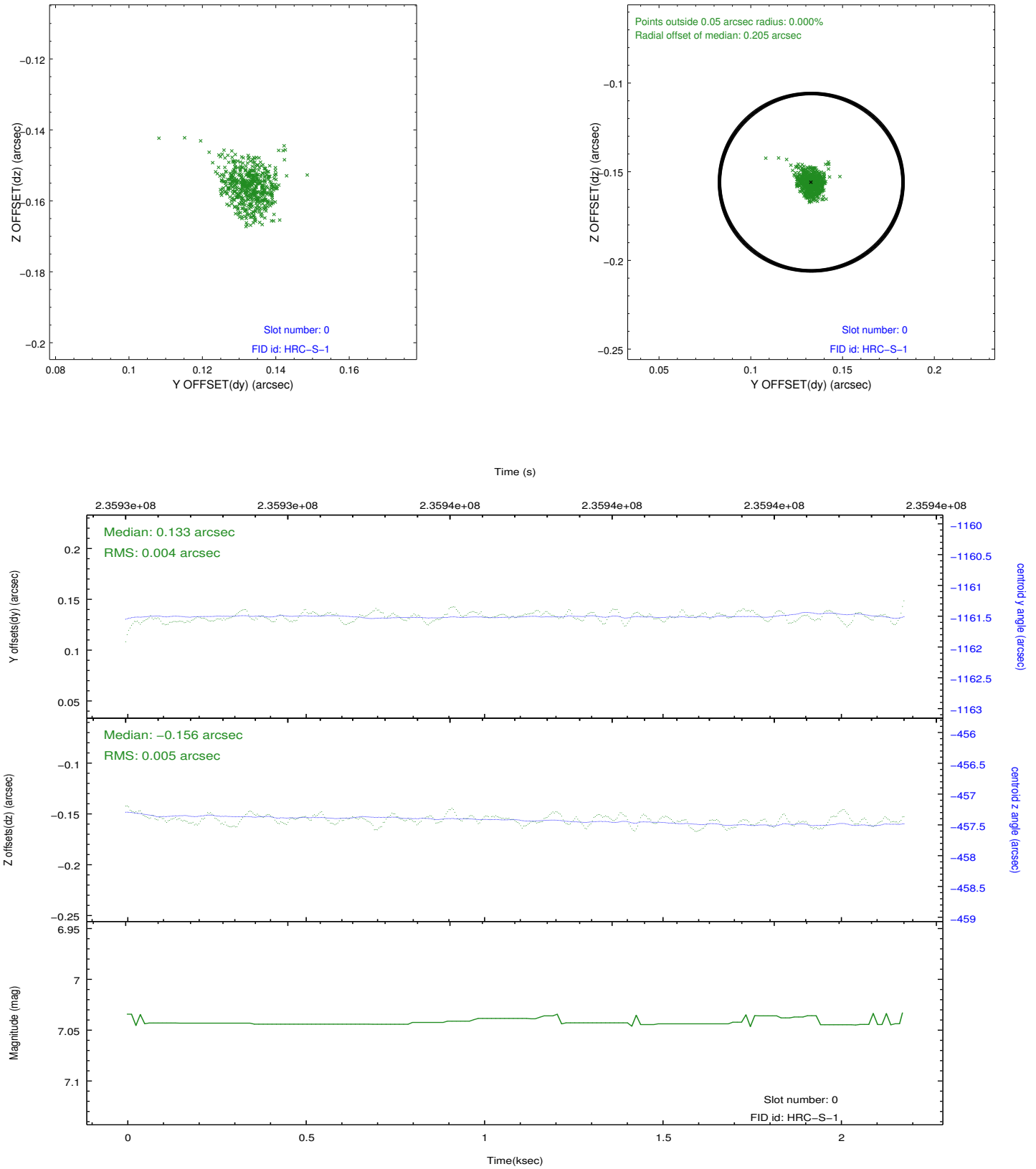


## 2.4.5 Slot 7

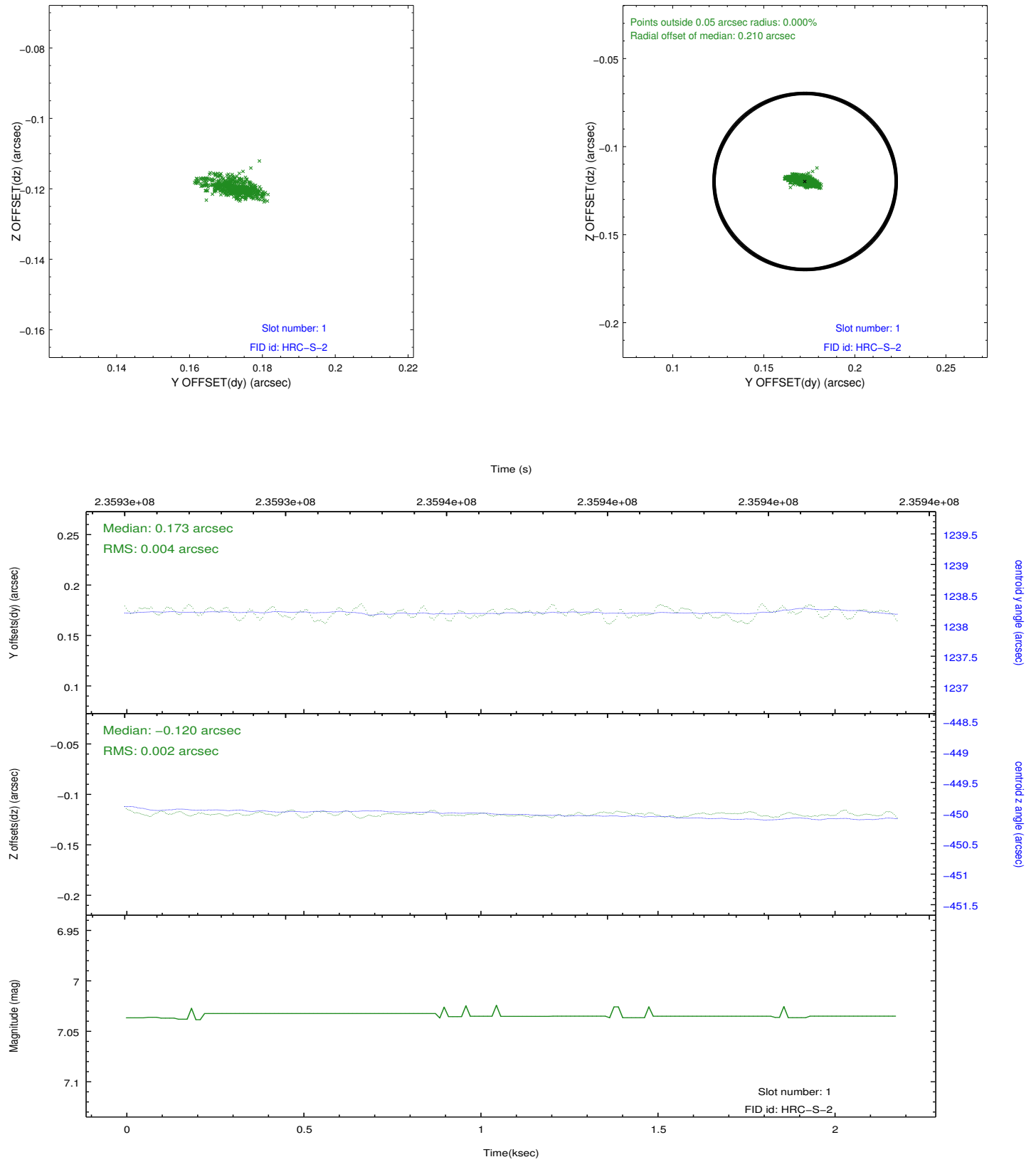


## 2.5 FID Slots

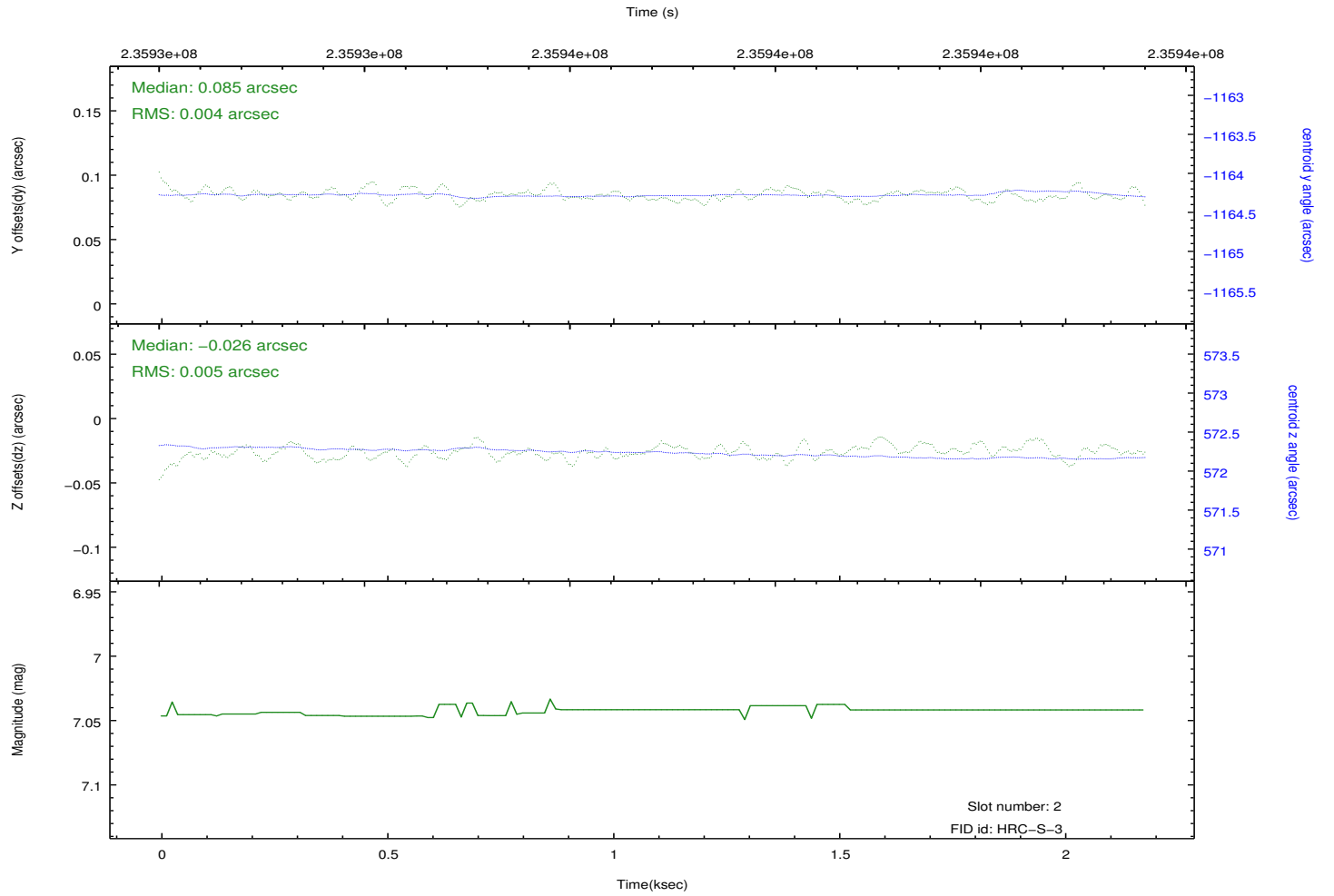
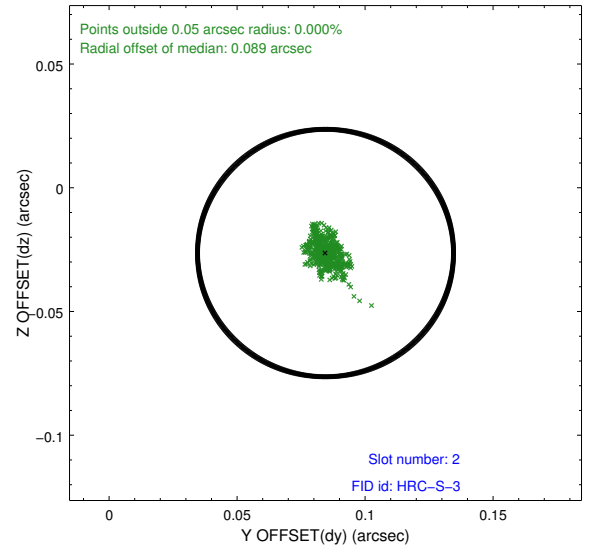
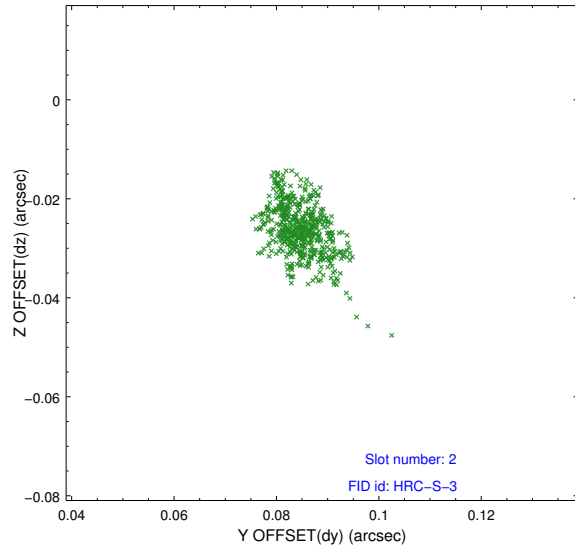
### 2.5.1 Slot 0



## 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)	2013.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.182481

### A.2 Comments

Window constraint satisfied.