

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 6004 - L2 Version 3  
Chandra X-Ray Center

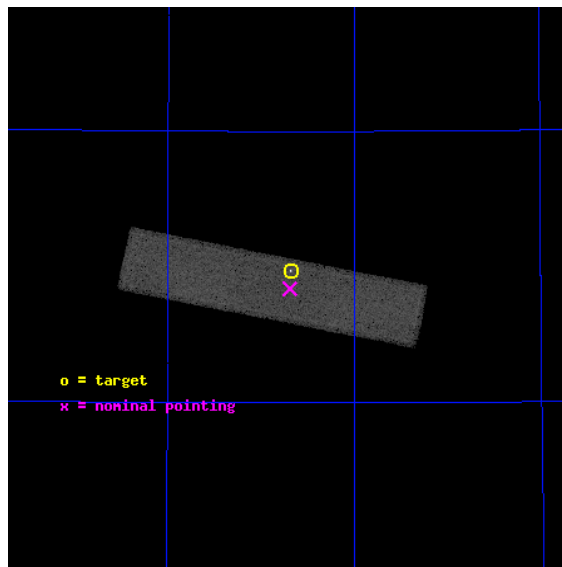
L2 Processing Date : Dec 28 2012

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# 1 Front

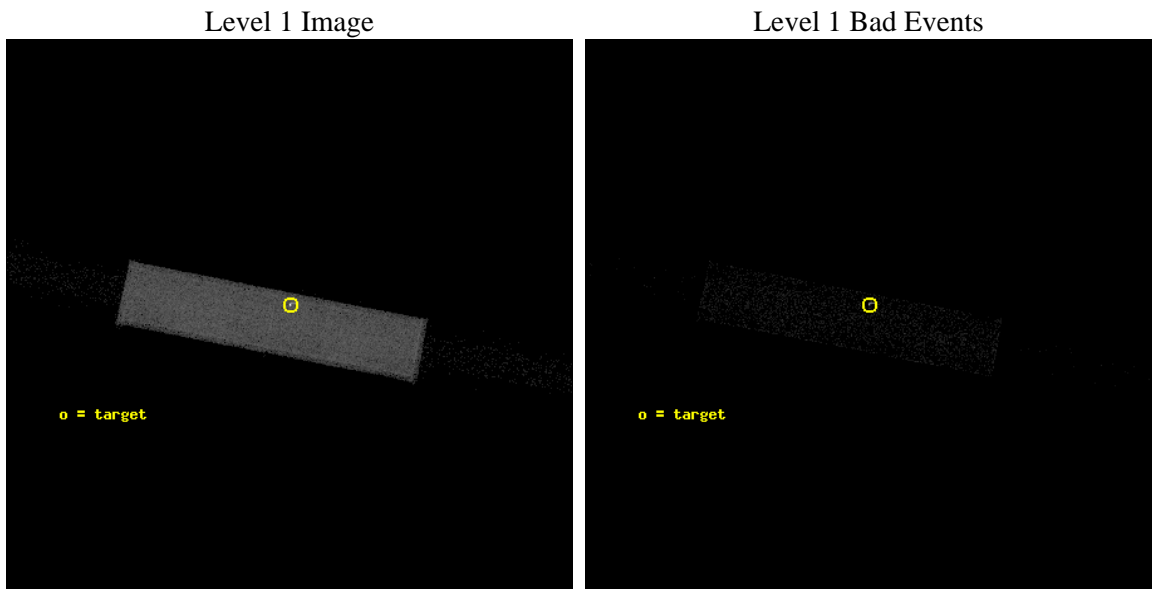
seq_num	290496	Sequence number
obs_id	6004	Observation id
title	AO6B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.1727773534	Nominal RA [deg]
dec_nom	45.709452281838	Nominal Dec [deg]
roll_nom	190.95619668541	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1153.3813029826	[s]
livetime	1142.5044291222	Ontime multiplied by DTCOR
l2events	72070	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	1153.3813029826	[s]
caldsver	4.5.5	&#160	l1events	116955	Number of level 1 events
date	2012-12-28T18:45:06	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

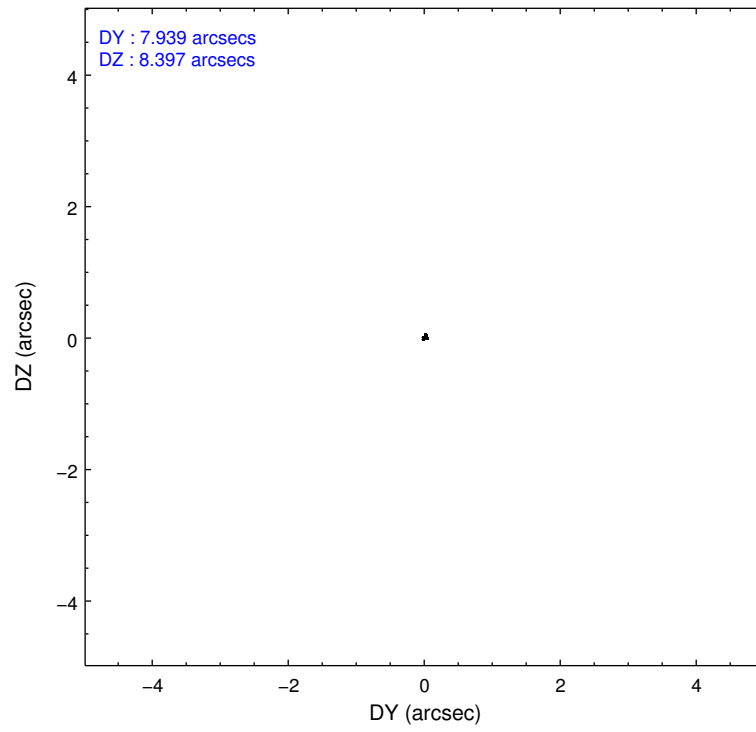
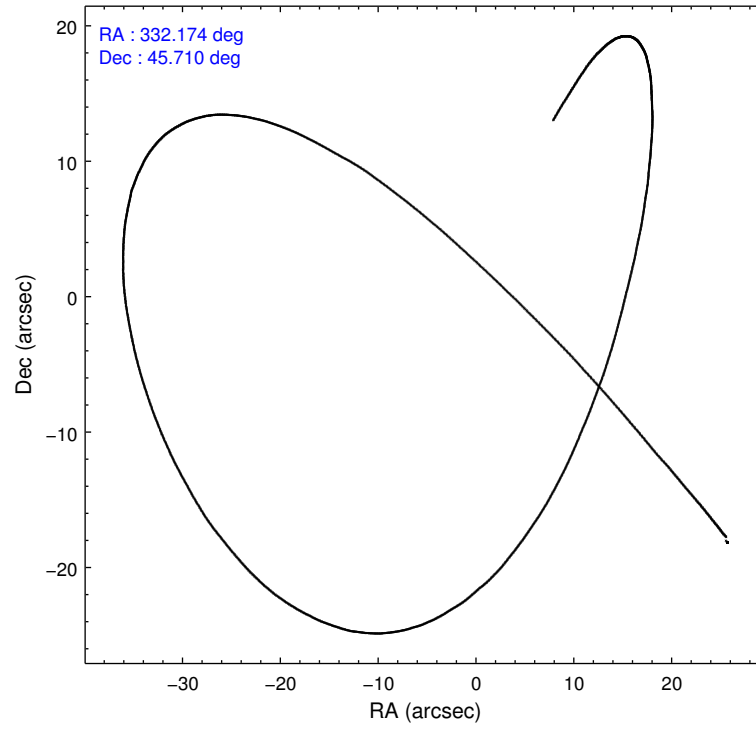
Level 1 Events

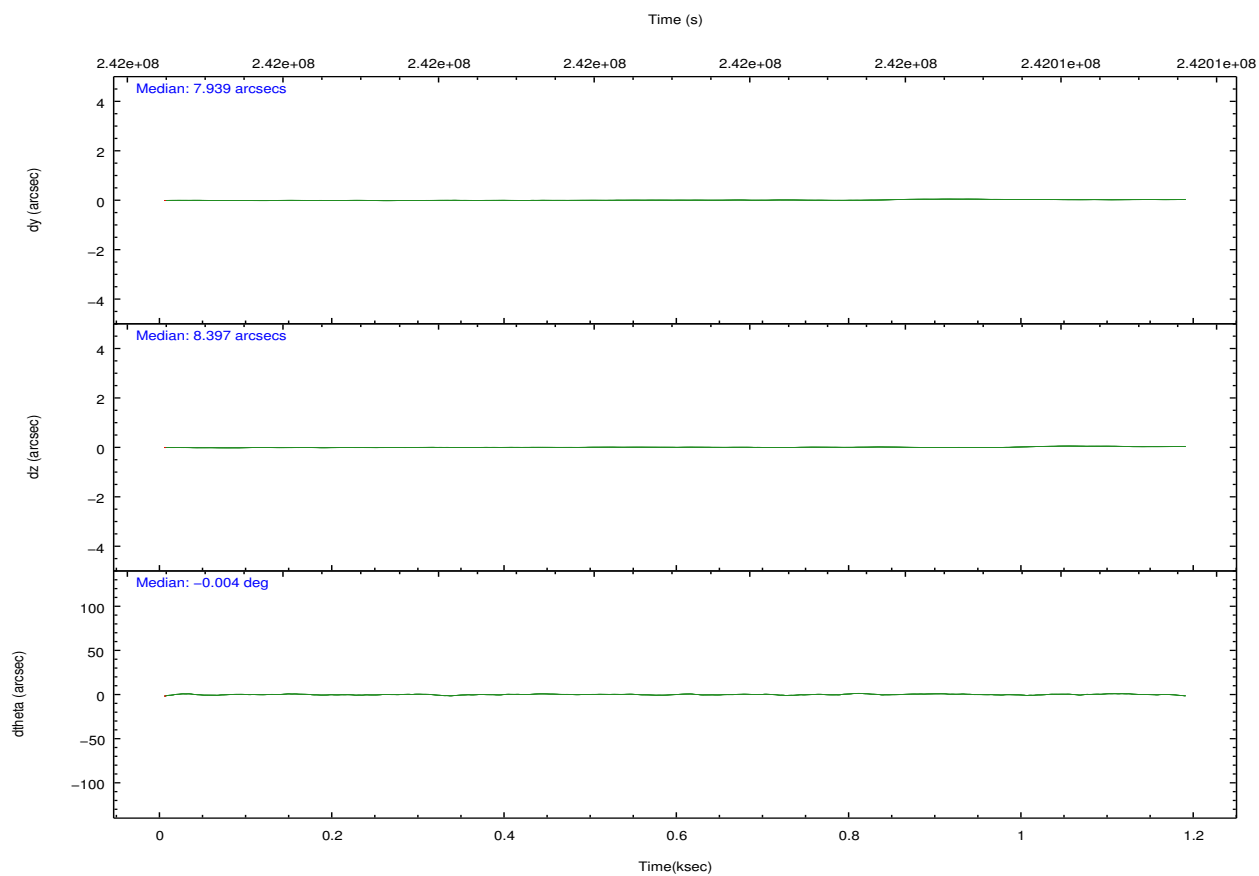
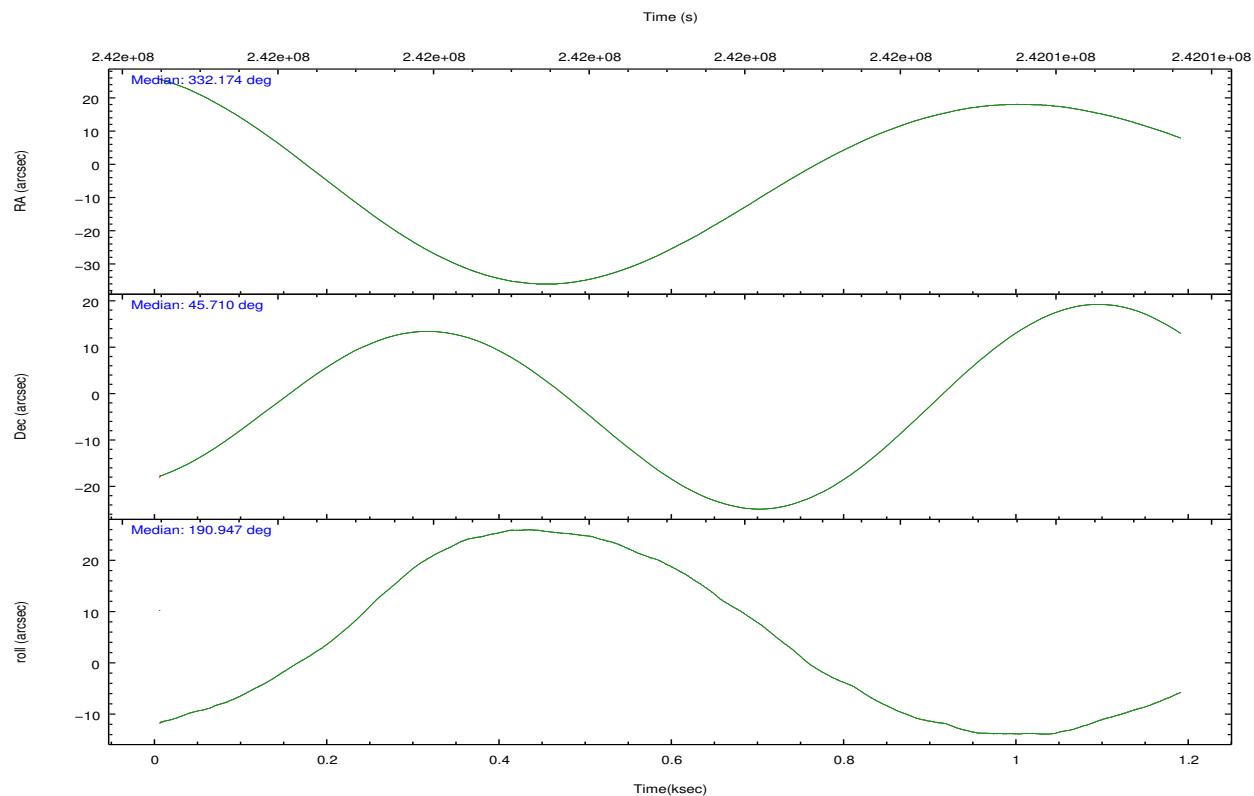
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	879	115260	816
rejected events	879	30664	816
rejected %	100%	26%	100%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.201975	332.1727777353361			
[deg] Pointing Dec	45.728607	45.70945228183777			
[deg] Pointing Roll	190.867906	190.9561966854082			
[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)	242004304.184000	242003928.10871			
Observation start date	2005-09-01T23:24:00	2005-09-01T23:18:48			
[s] Observation end time (MET)	242005304.184000	242005438.44628			
Observation end date	2005-09-01T23:40:40	2005-09-01T23:43:58			

## 2.3 Aspect





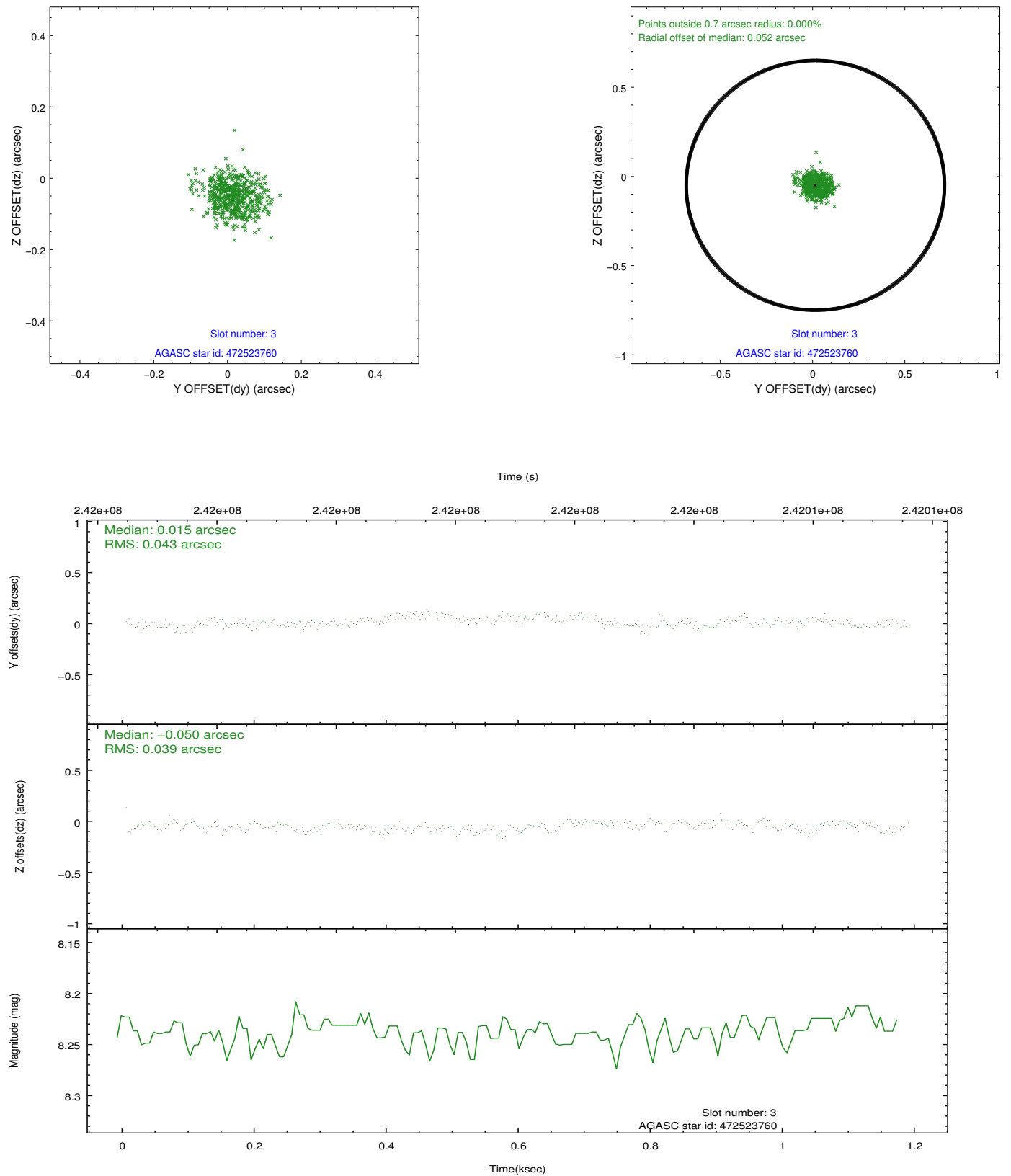
Slot Statistics

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	290	0.142	-0.145	0.006	0.009	0.000000	0.000000	-1162.11	-457.03
1	FID	HRC-S-2	7.03	290	0.159	-0.118	0.005	0.009	0.000000	0.000000	1233.58	-451.21
2	FID	HRC-S-3	7.05	290	0.089	-0.040	0.007	0.010	0.000000	0.000000	-1160.63	571.05
3	GUIDE	472523760	8.24	579	0.015	-0.050	0.062	0.102	331.645363	45.403260	1603.18	882.59
4	GUIDE	472527720	7.00	579	-0.115	-0.062	0.065	0.115	331.460205	45.112509	2271.40	1818.35
5	GUIDE	472535576	7.86	579	-0.105	0.078	0.070	0.119	331.438373	46.291802	1487.29	-2352.63
6	GUIDE	472665256	9.01	579	0.193	0.044	0.086	0.140	332.808125	46.195041	-1796.51	-1371.98
7	GUIDE	472533912	9.16	577	-0.003	0.004	0.110	0.175	331.791136	46.368695	566.14	-2458.12

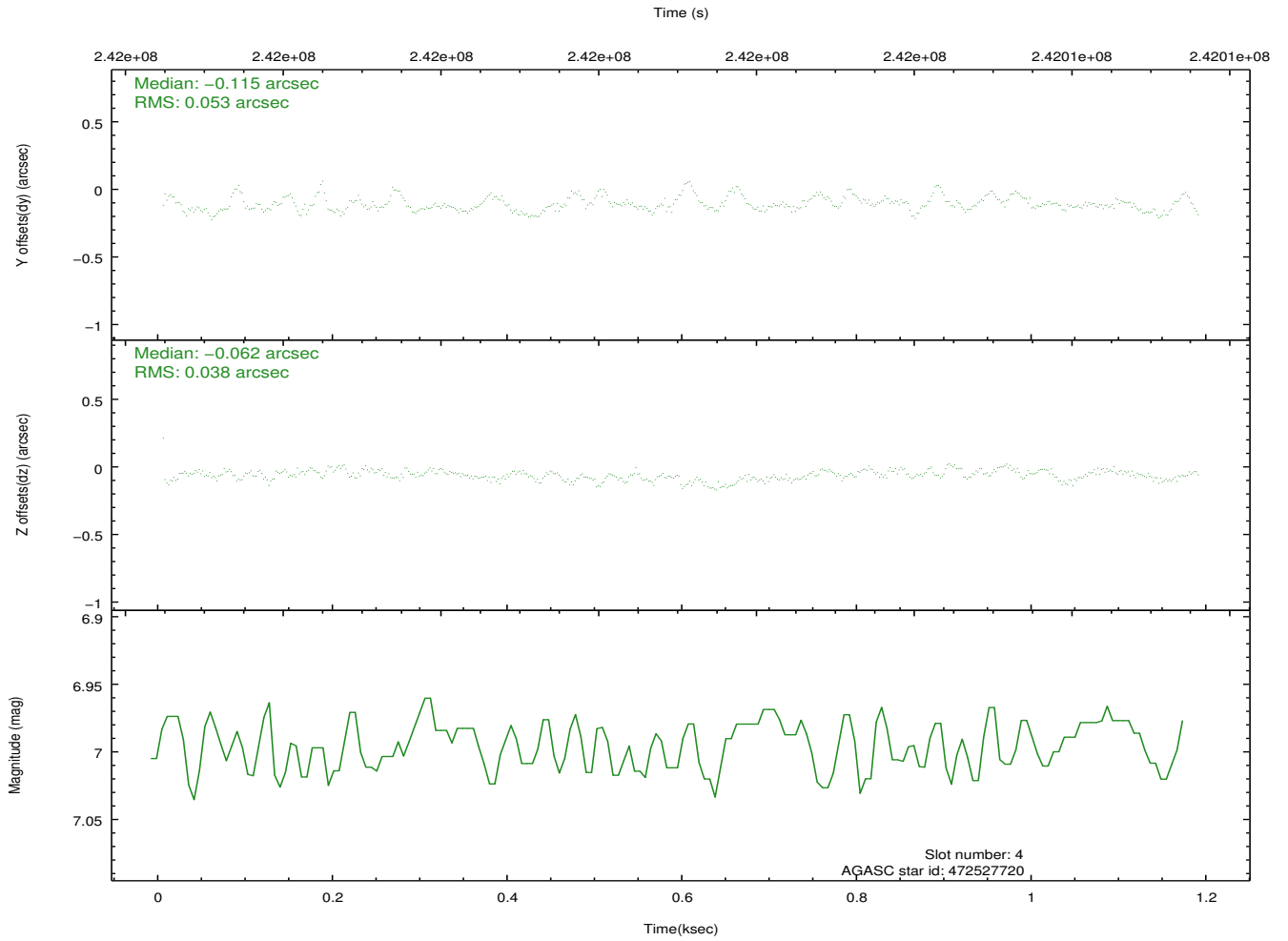
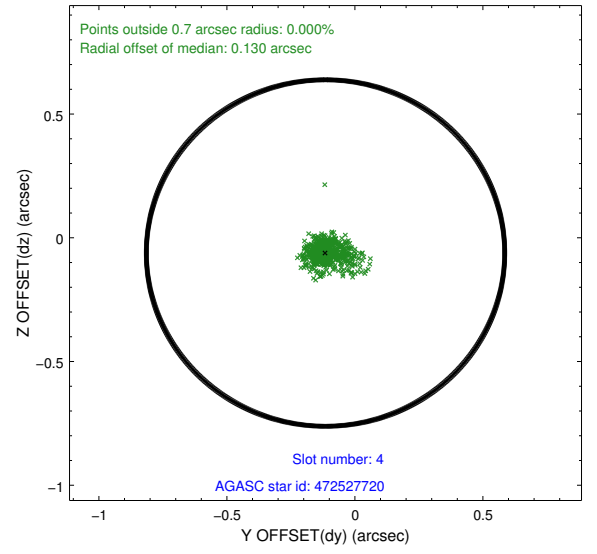
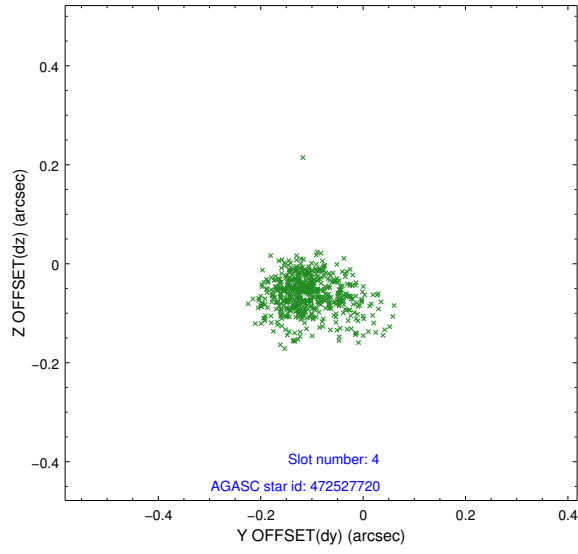


## 2.4 Star Slots

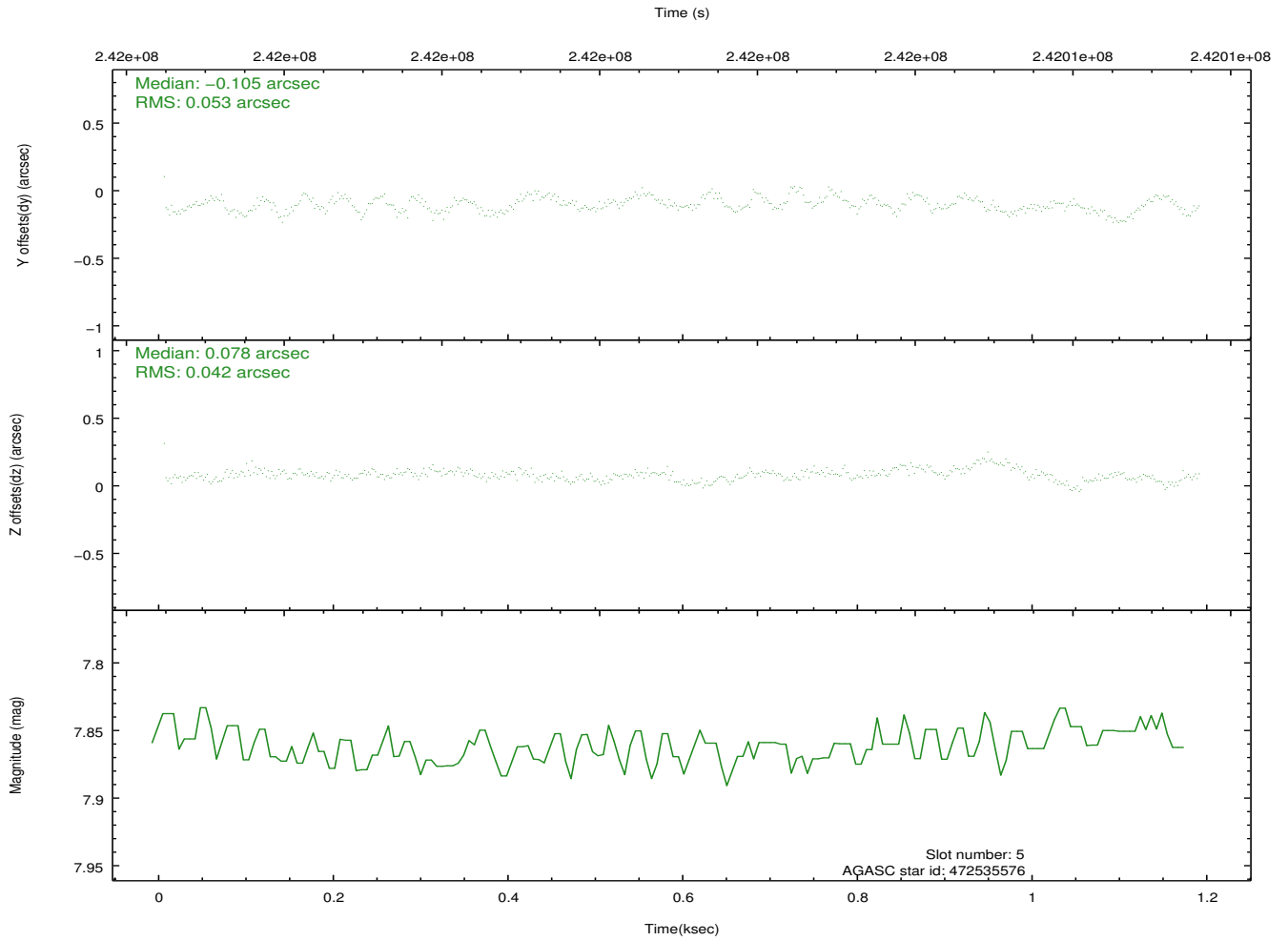
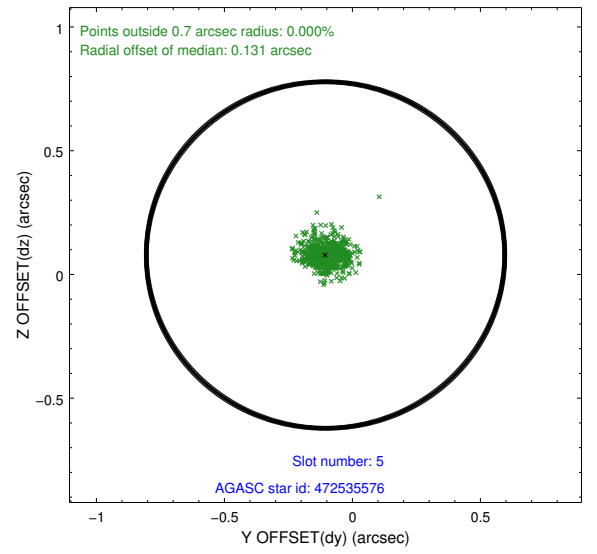
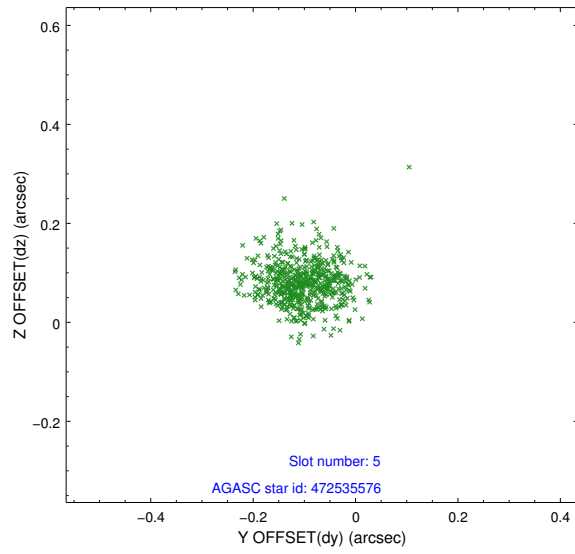
### 2.4.1 Slot 3



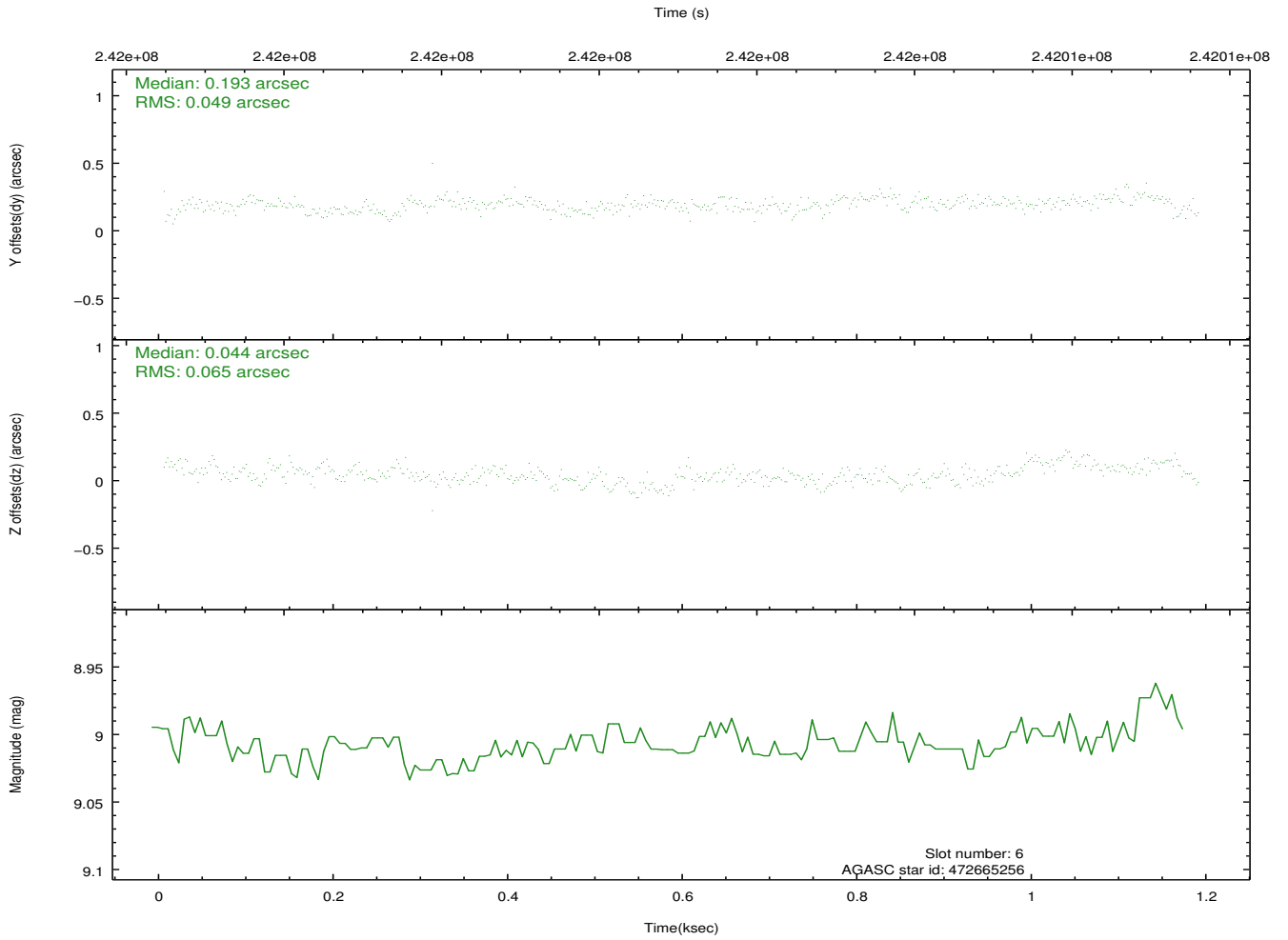
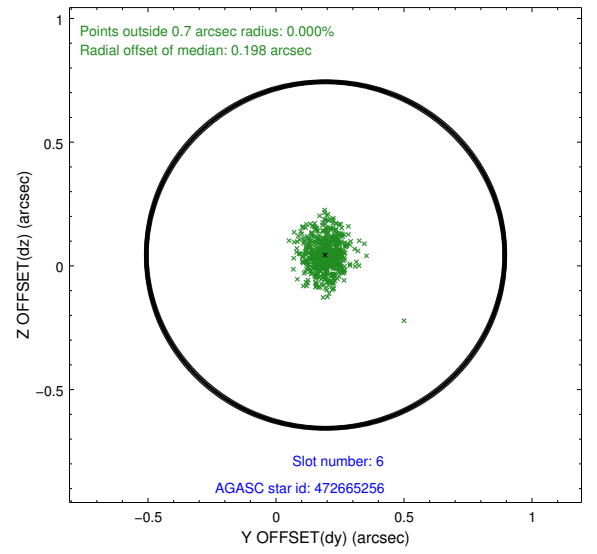
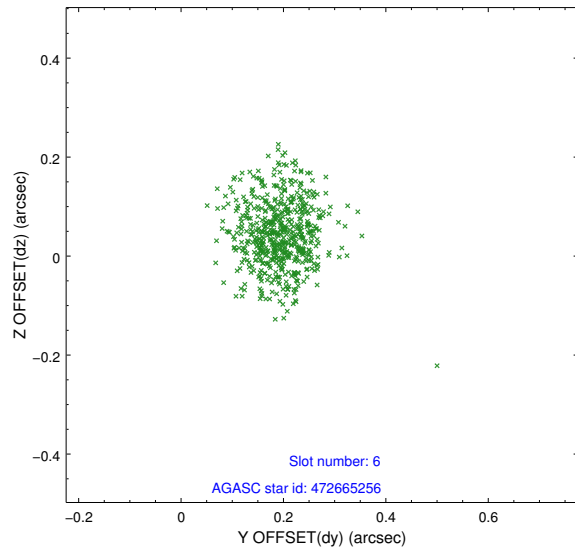
## 2.4.2 Slot 4



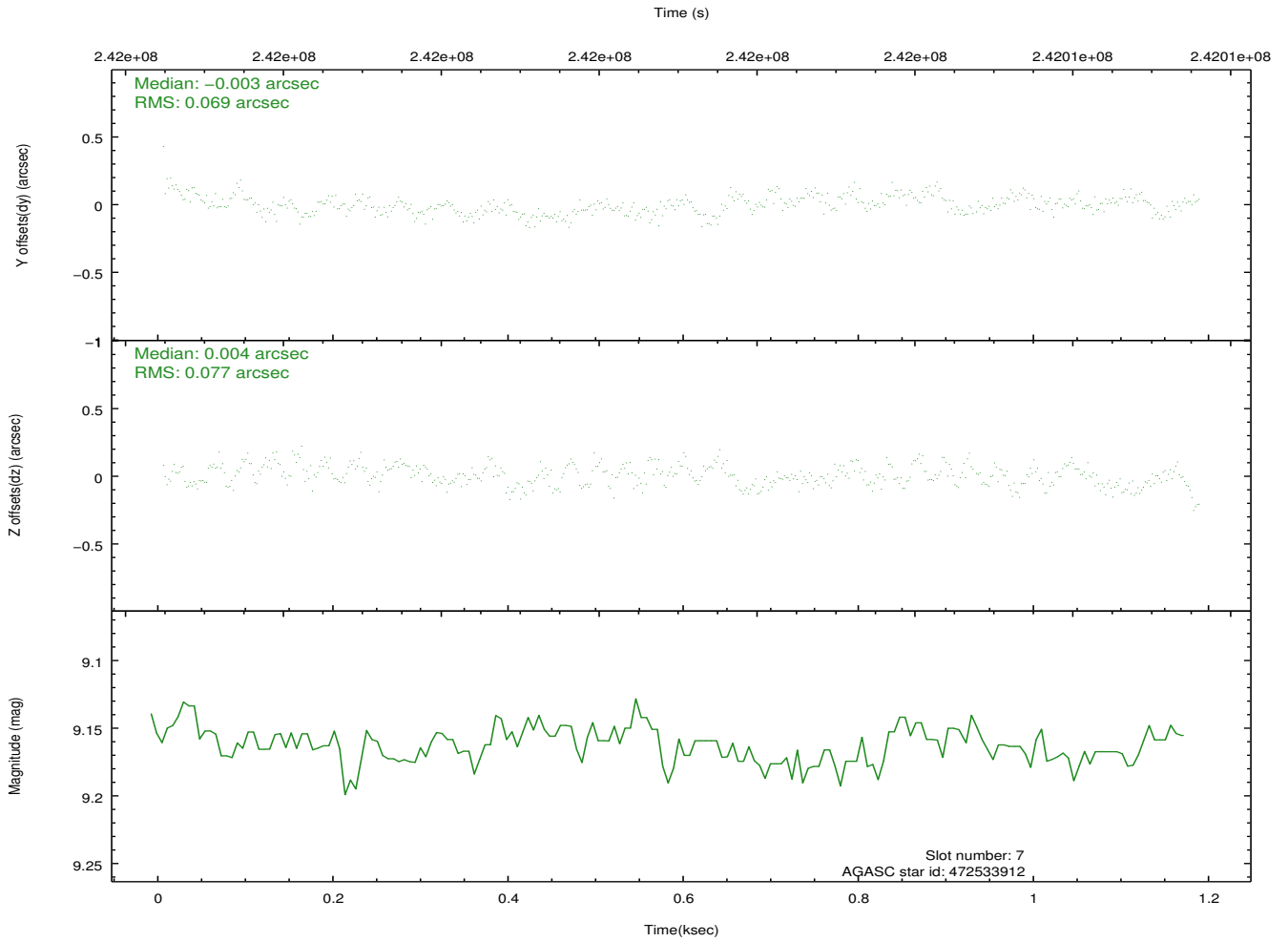
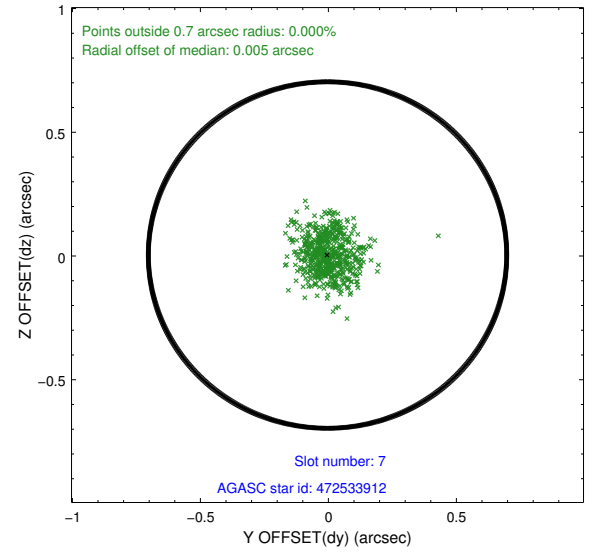
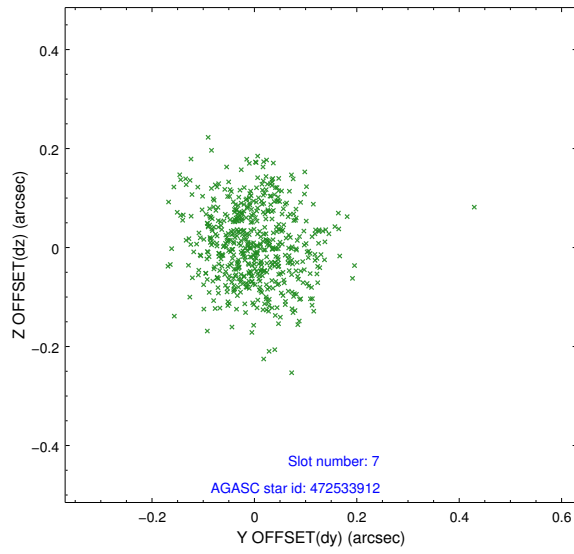
### 2.4.3 Slot 5



## 2.4.4 Slot 6

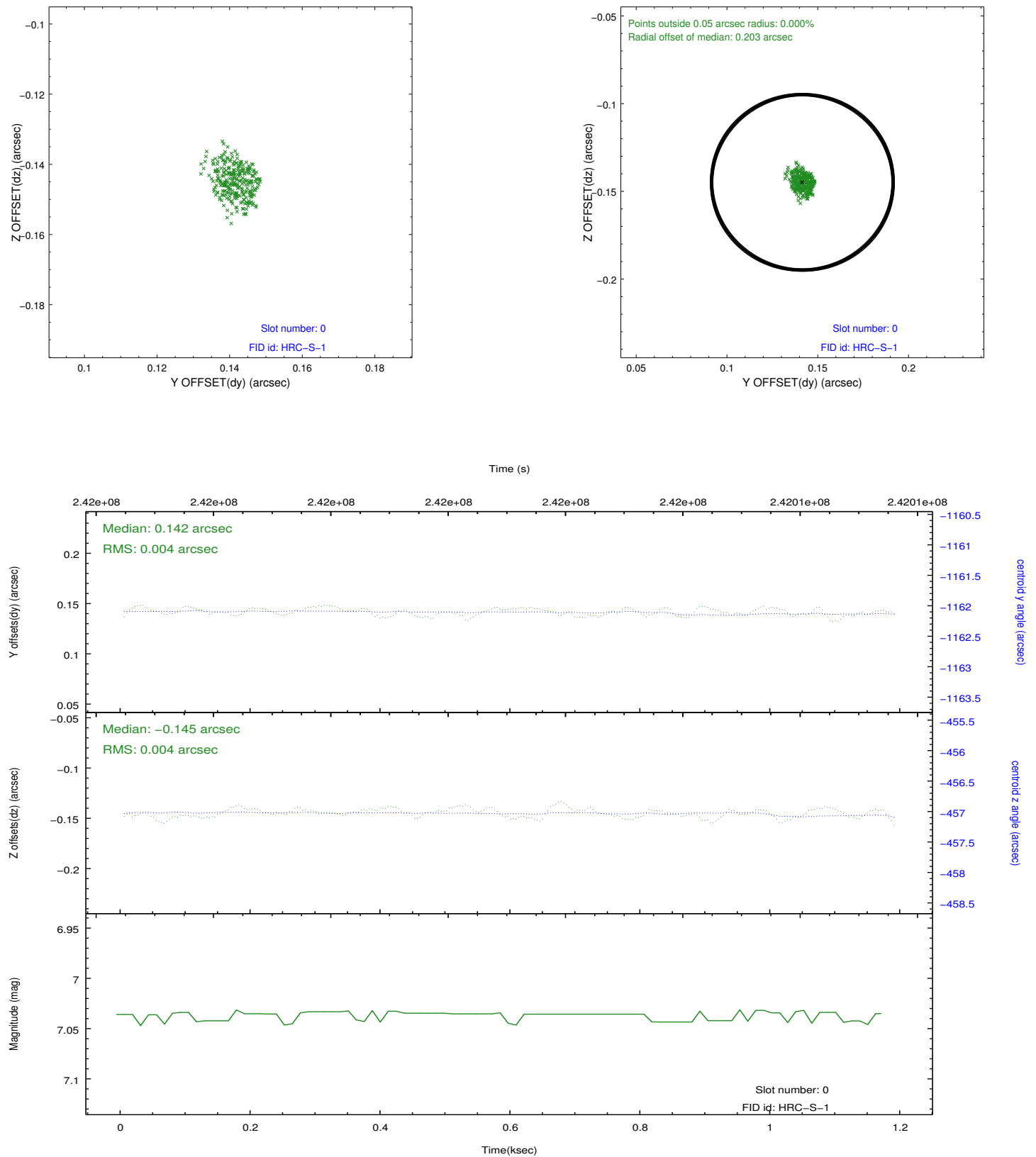


## 2.4.5 Slot 7

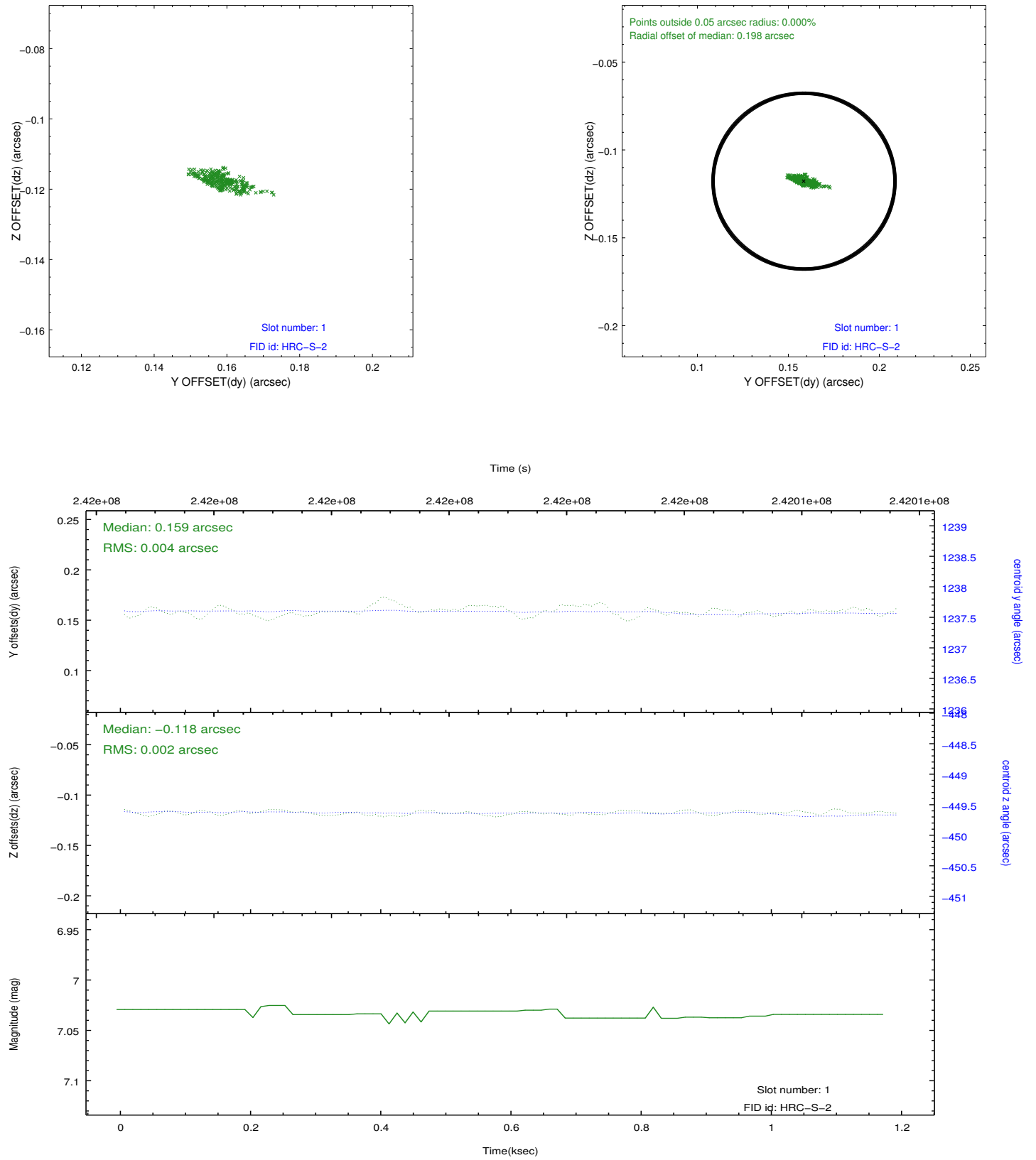


## 2.5 FID Slots

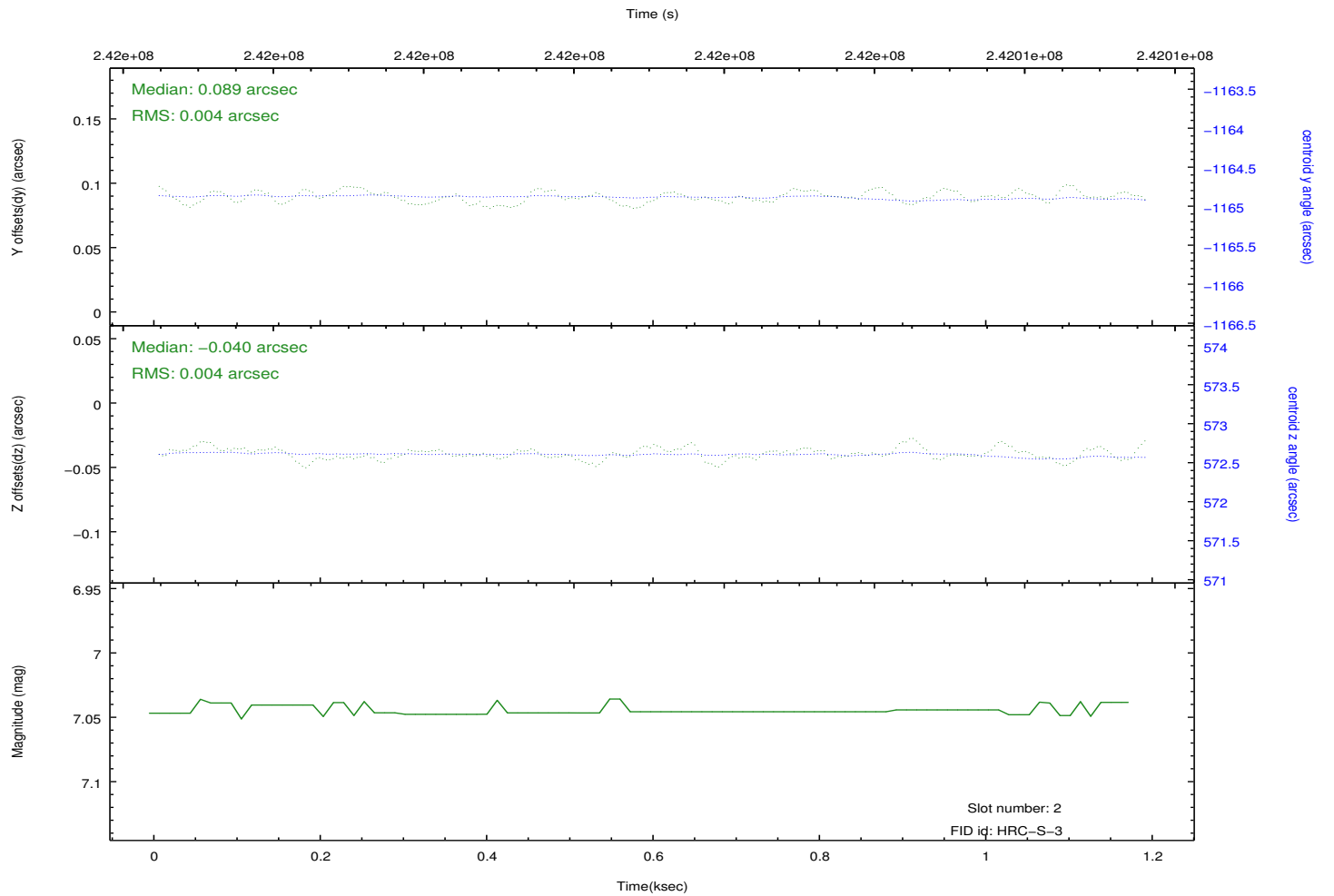
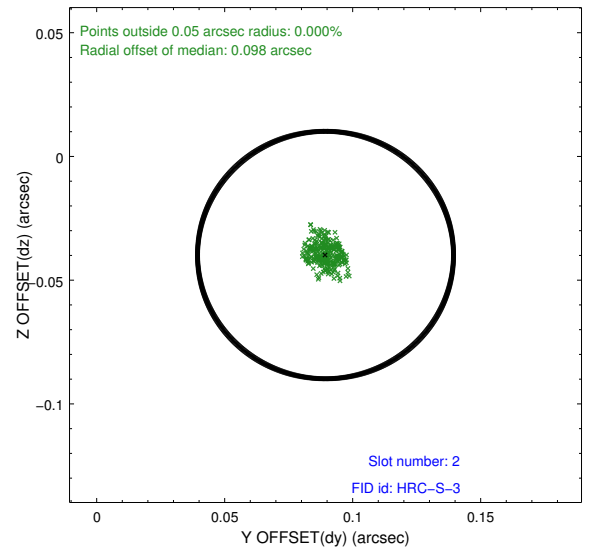
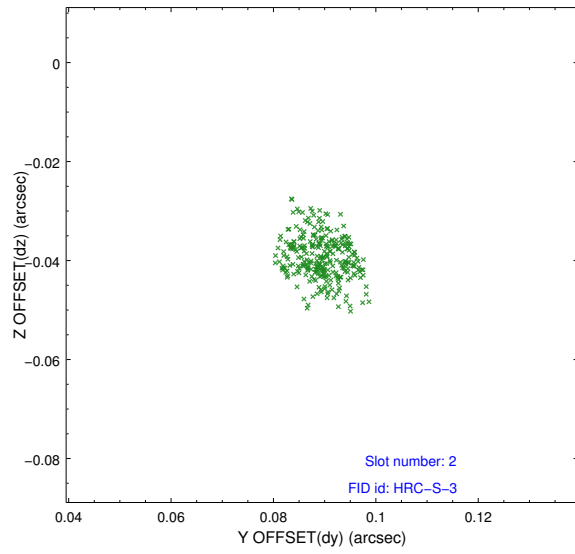
### 2.5.1 Slot 0



## 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)	2013.01.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.153381

### A.2 Comments