

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 6036 - L2 Version 3  
Chandra X-Ray Center

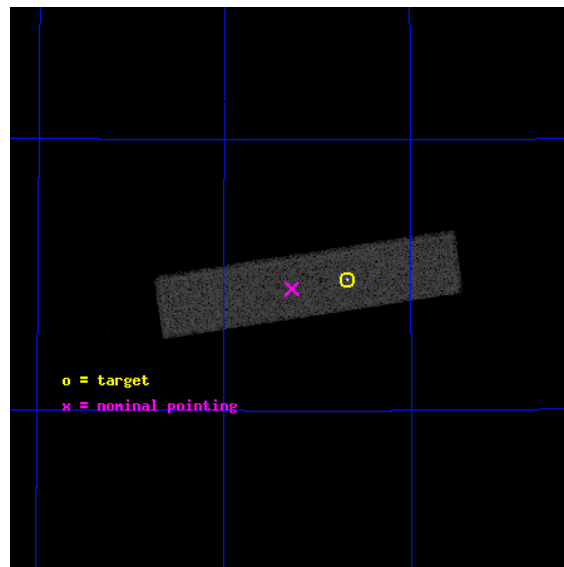
L2 Processing Date : Dec 18 2012

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# 1 Front

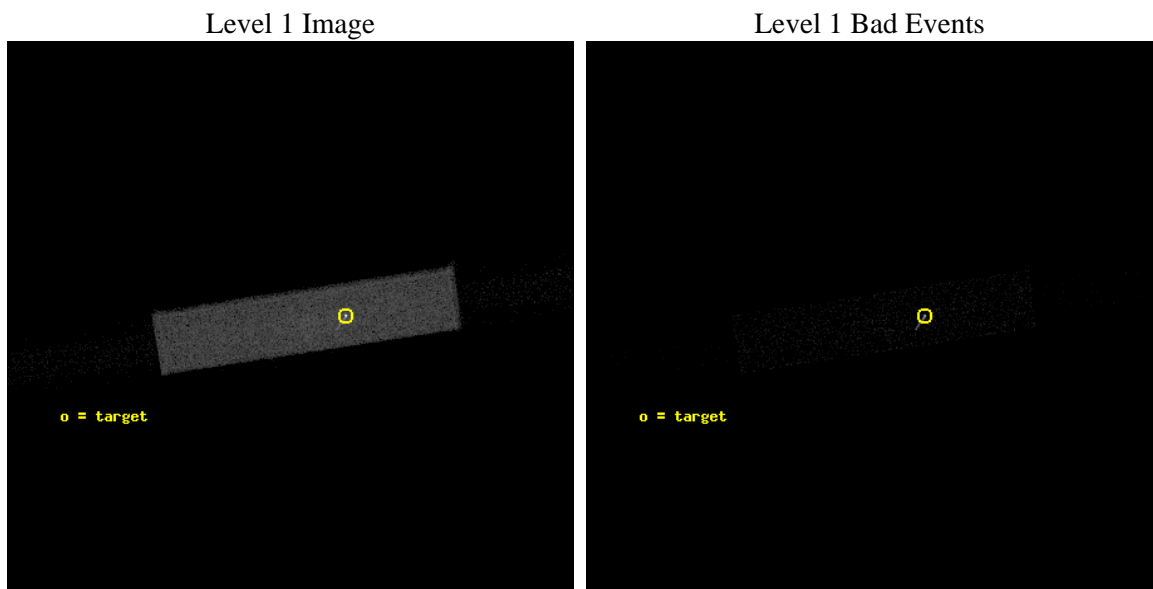
seq_num	290528	Sequence number
obs_id	6036	Observation id
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.31851435872	Nominal RA [deg]
dec_nom	45.725210463758	Nominal Dec [deg]
roll_nom	351.25626344314	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1151.3313021064	[s]
livetime	1143.9781329498	Ontime multiplied by DTCOR
l2events	52661	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	Processing system revision	ontime	1151.3313021064	[s]
caldsver	4.5.5	&#160	l1events	84559	Number of level 1 events
date	2012-12-17T04:32:36	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

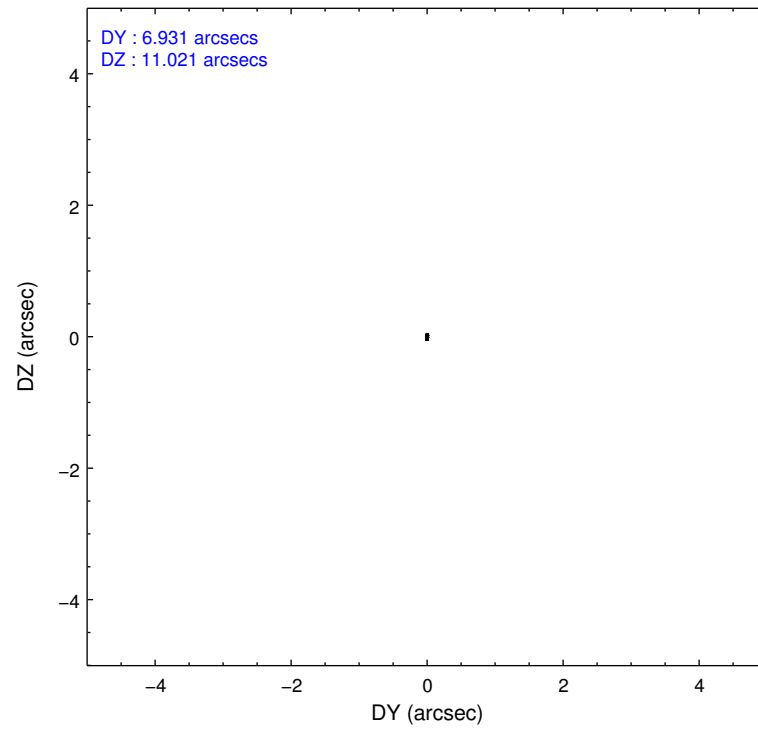
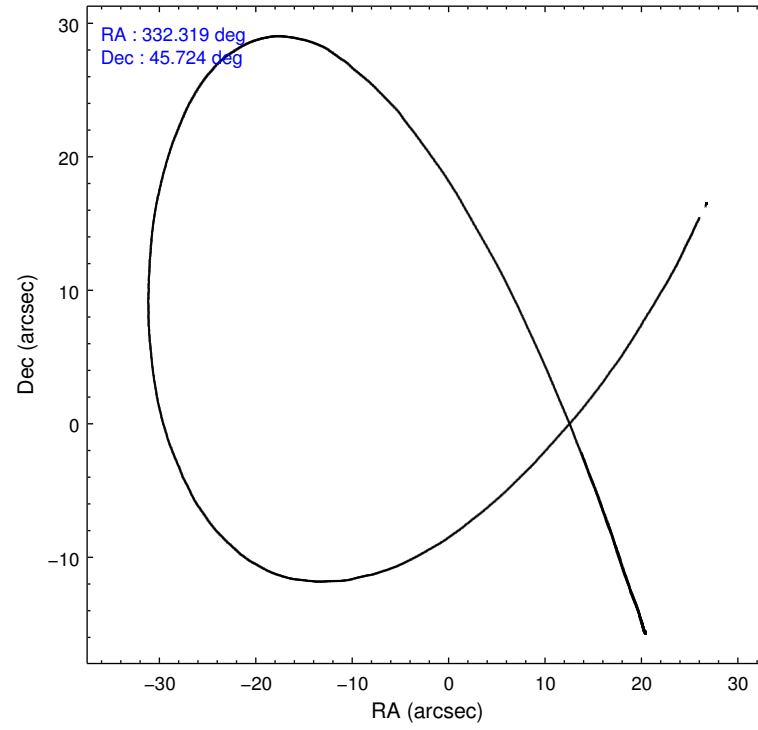
Level 1 Events

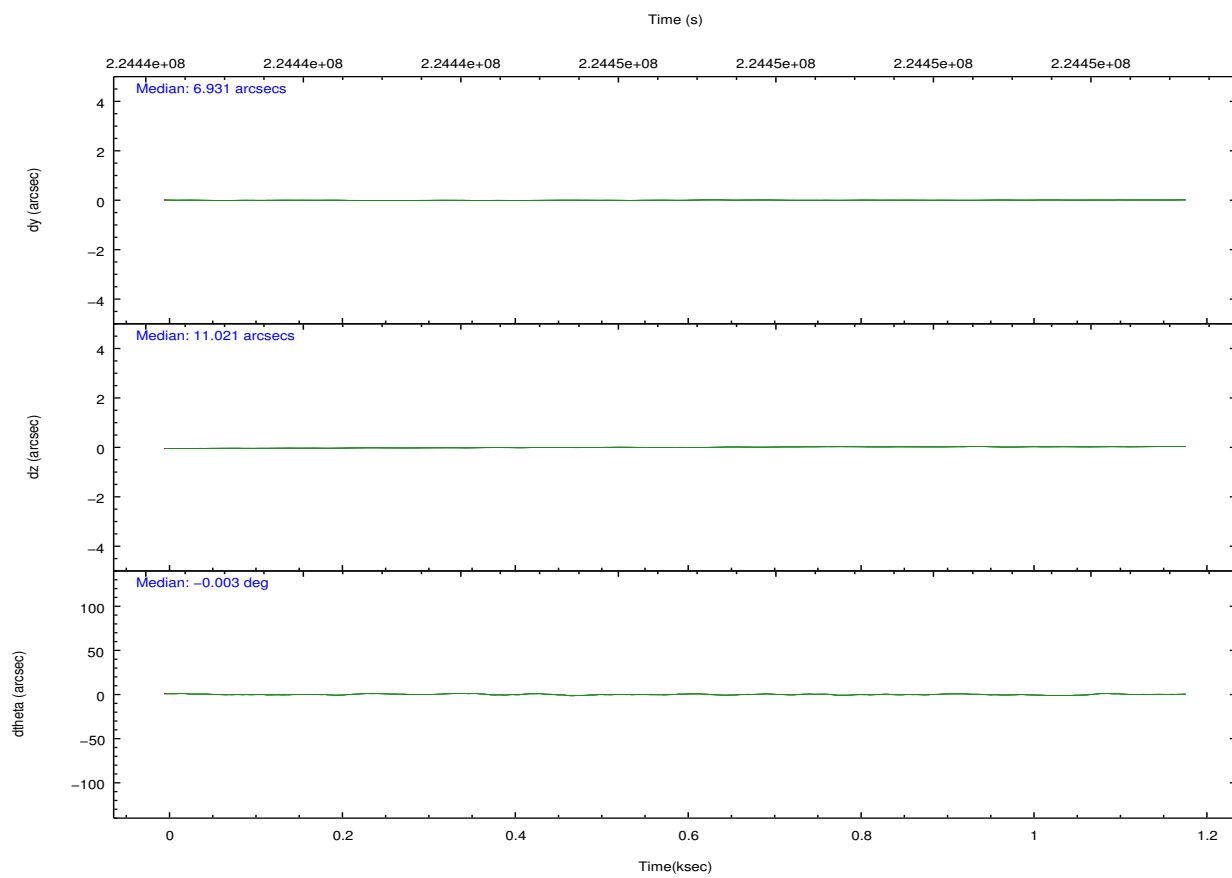
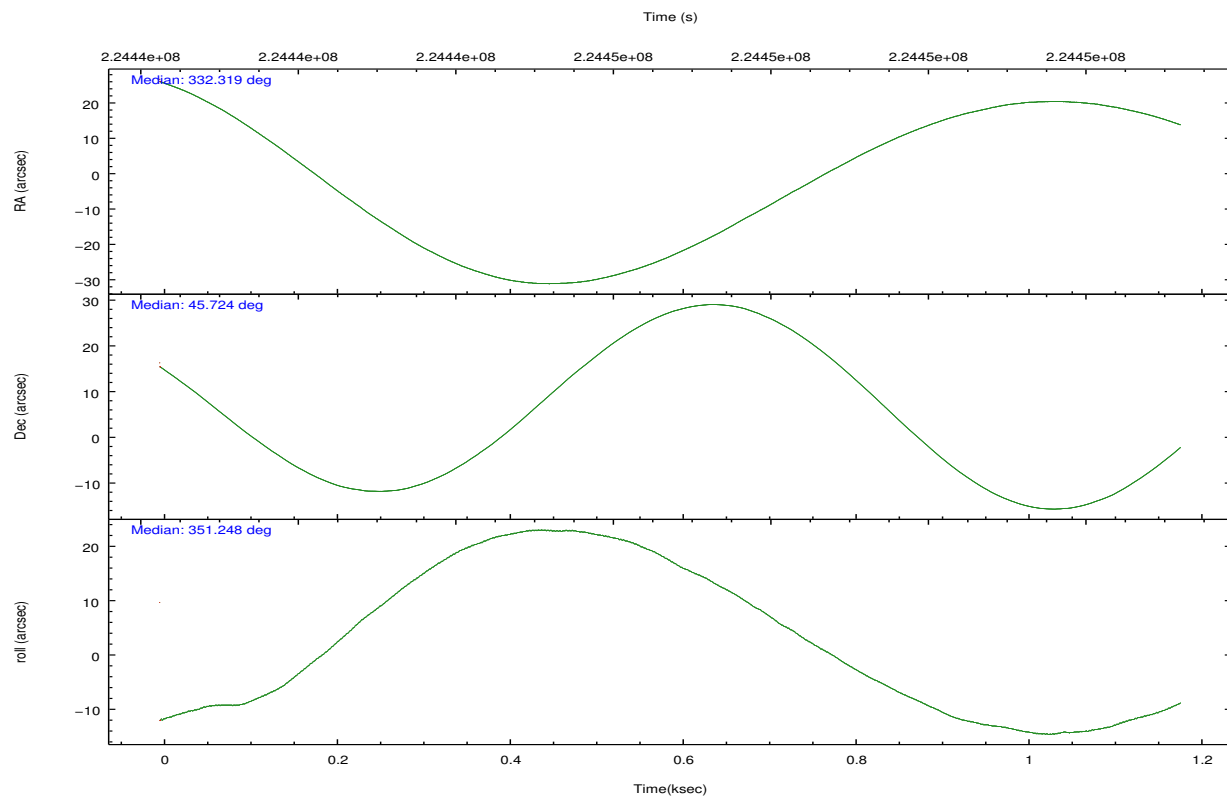
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	812	83037	710
rejected events	812	19575	691
rejected %	100%	23%	97%

## 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	332.280808	332.3185143587172			
[deg] Pointing Dec	45.714566	45.72521046375811			
[deg] Pointing Roll	351.215925	351.2562634431363			
[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)	224444863.184000	224444486.77089			
Observation start date	2005-02-10T17:46:39	2005-02-10T17:41:26			
[s] Observation end time (MET)	224445863.184000	224445997.10846			
Observation end date	2005-02-10T18:03:19	2005-02-10T18:06:37			

## 2.3 Aspect





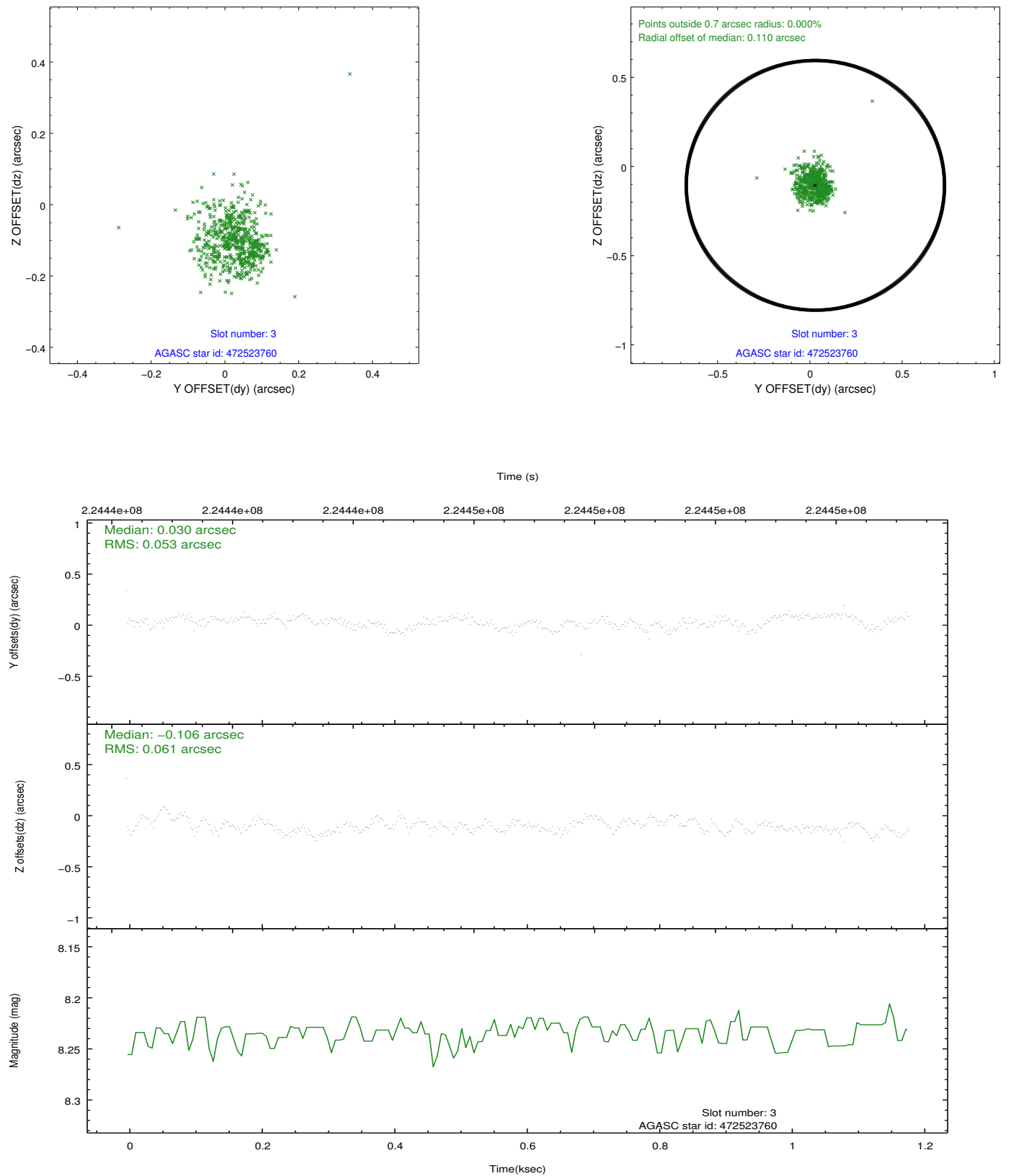
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	289	0.113	-0.161	0.007	0.011	0.000000	0.000000	-1161.09	-459.72
1	FID	HRC-S-2	7.02	289	0.187	-0.118	0.006	0.010	0.000000	0.000000	1234.64	-453.93
2	FID	HRC-S-3	7.03	289	0.090	-0.024	0.007	0.011	0.000000	0.000000	-1159.55	568.37
3	GUIDE	472523760	8.23	577	0.030	-0.106	0.080	0.132	331.645363	45.403260	-1418.29	-1342.87
4	GUIDE	472533912	9.17	577	0.129	0.097	0.111	0.186	331.791136	46.368695	-1566.28	2146.81
5	GUIDE	472665256	9.02	577	-0.035	0.044	0.089	0.148	332.808125	46.195041	1029.56	1922.33
6	GUIDE	472527720	6.99	577	-0.036	-0.084	0.058	0.107	331.460205	45.112509	-1730.29	-2442.86
7	GUIDE	472536328	8.14	576	-0.085	0.052	0.074	0.124	331.496671	46.454831	-2335.18	2345.78

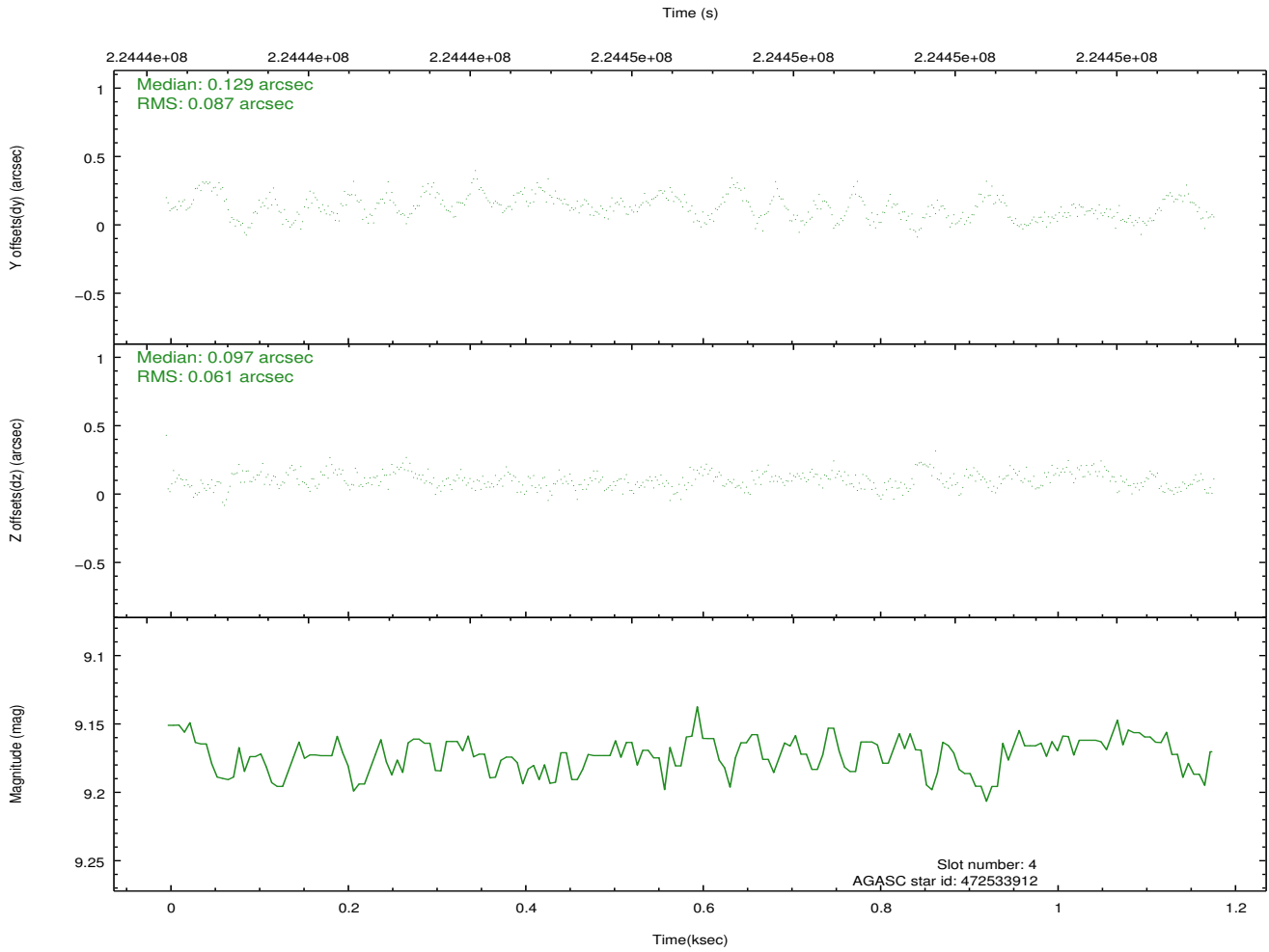
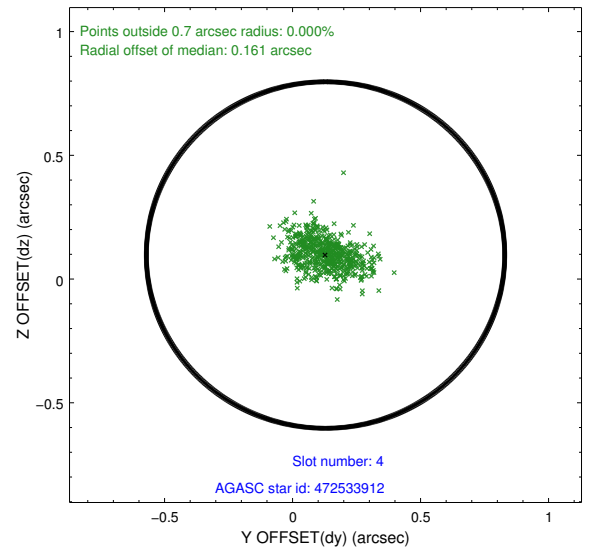
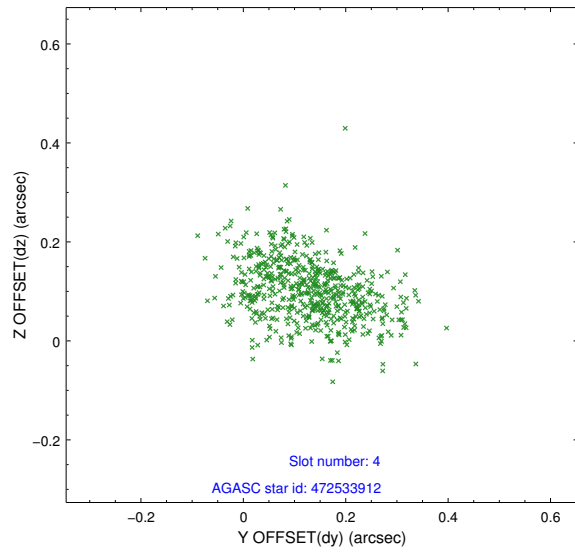


## 2.4 Star Slots

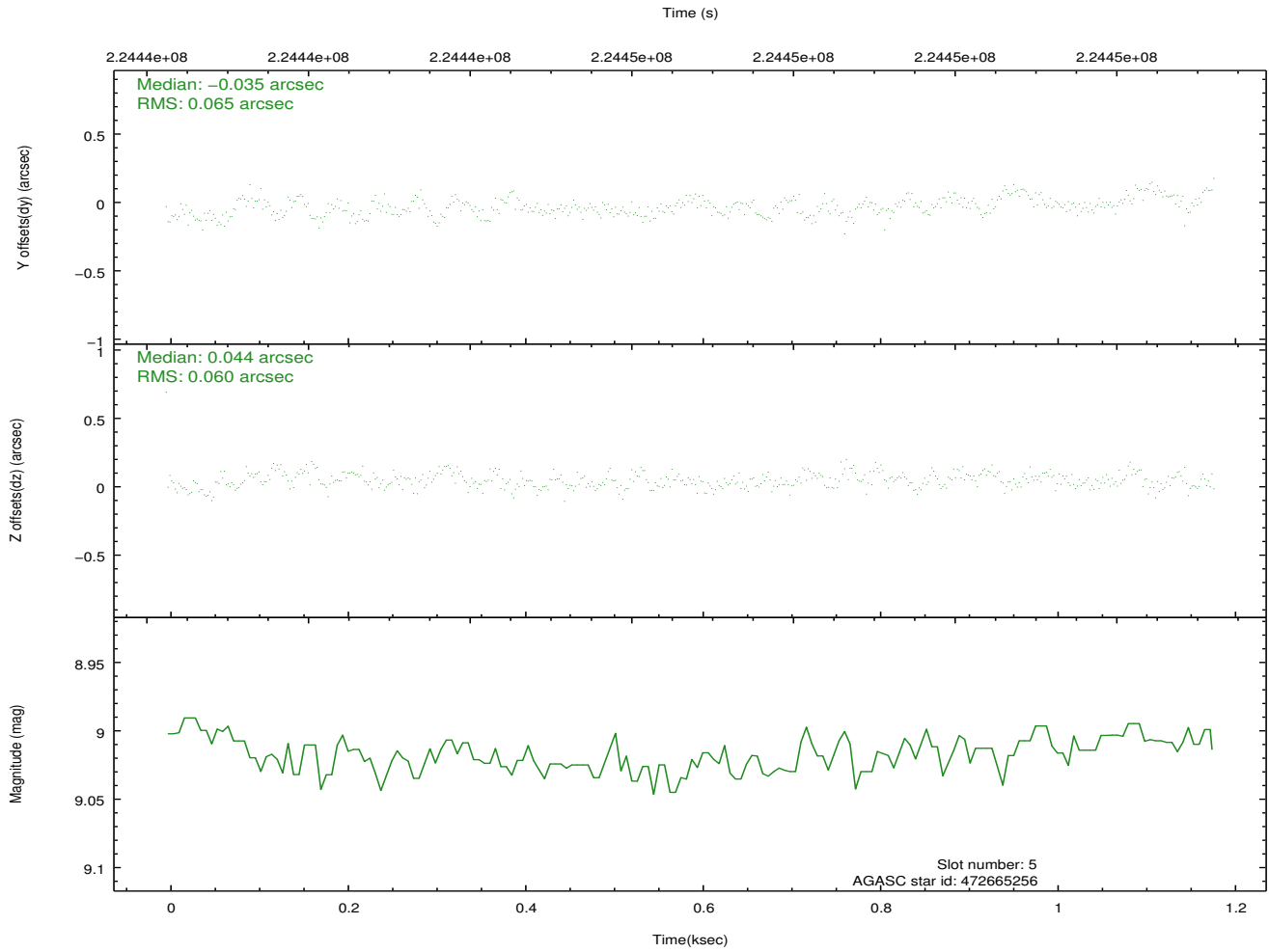
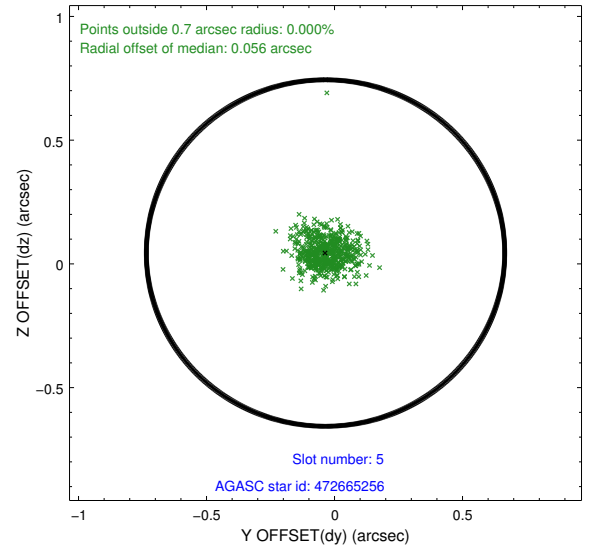
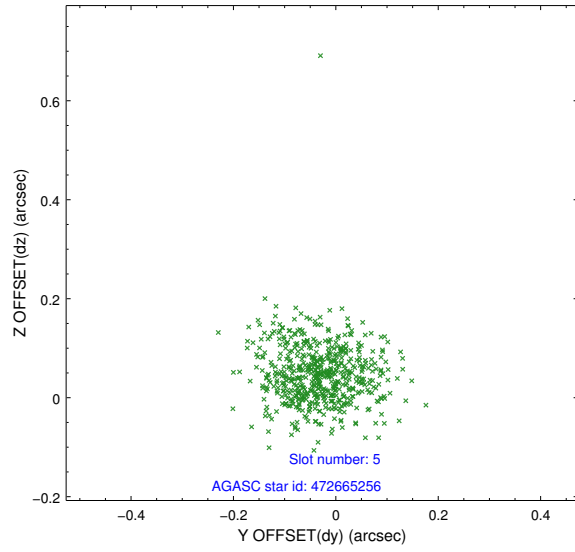
### 2.4.1 Slot 3



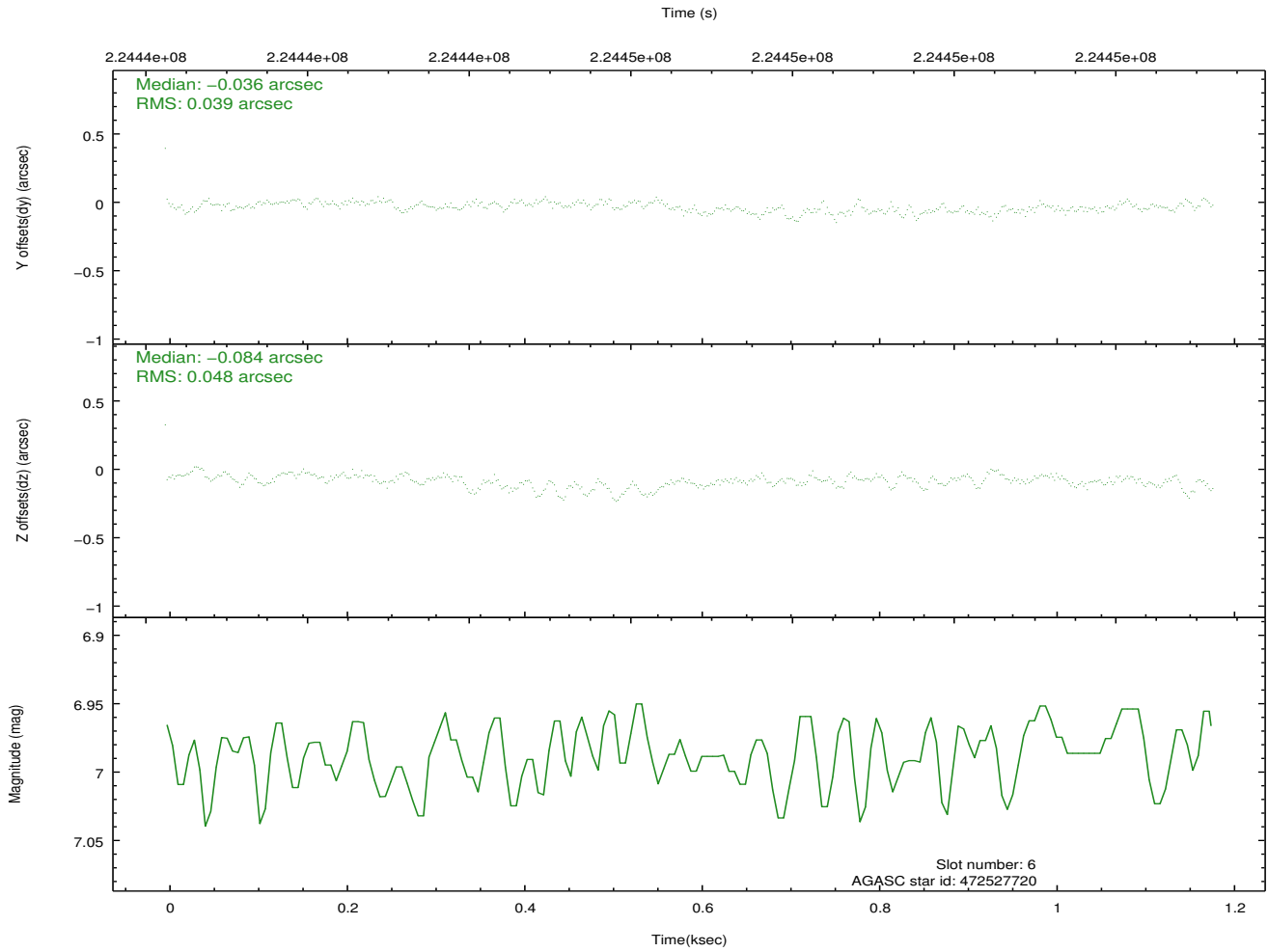
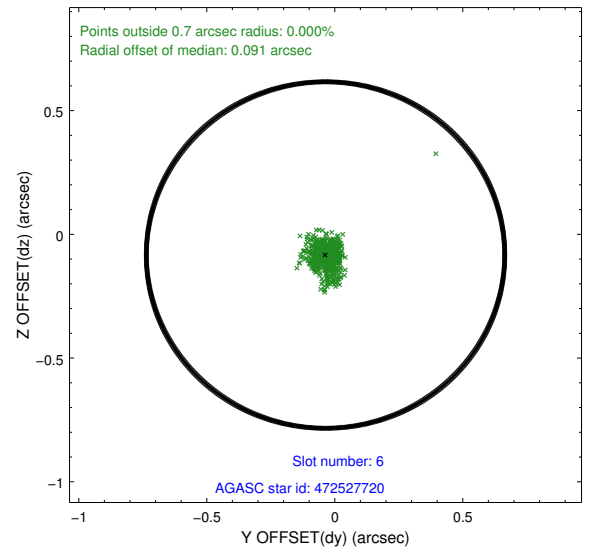
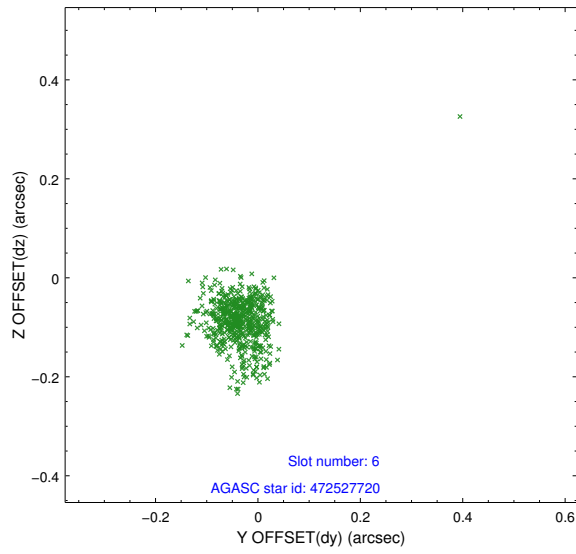
## 2.4.2 Slot 4



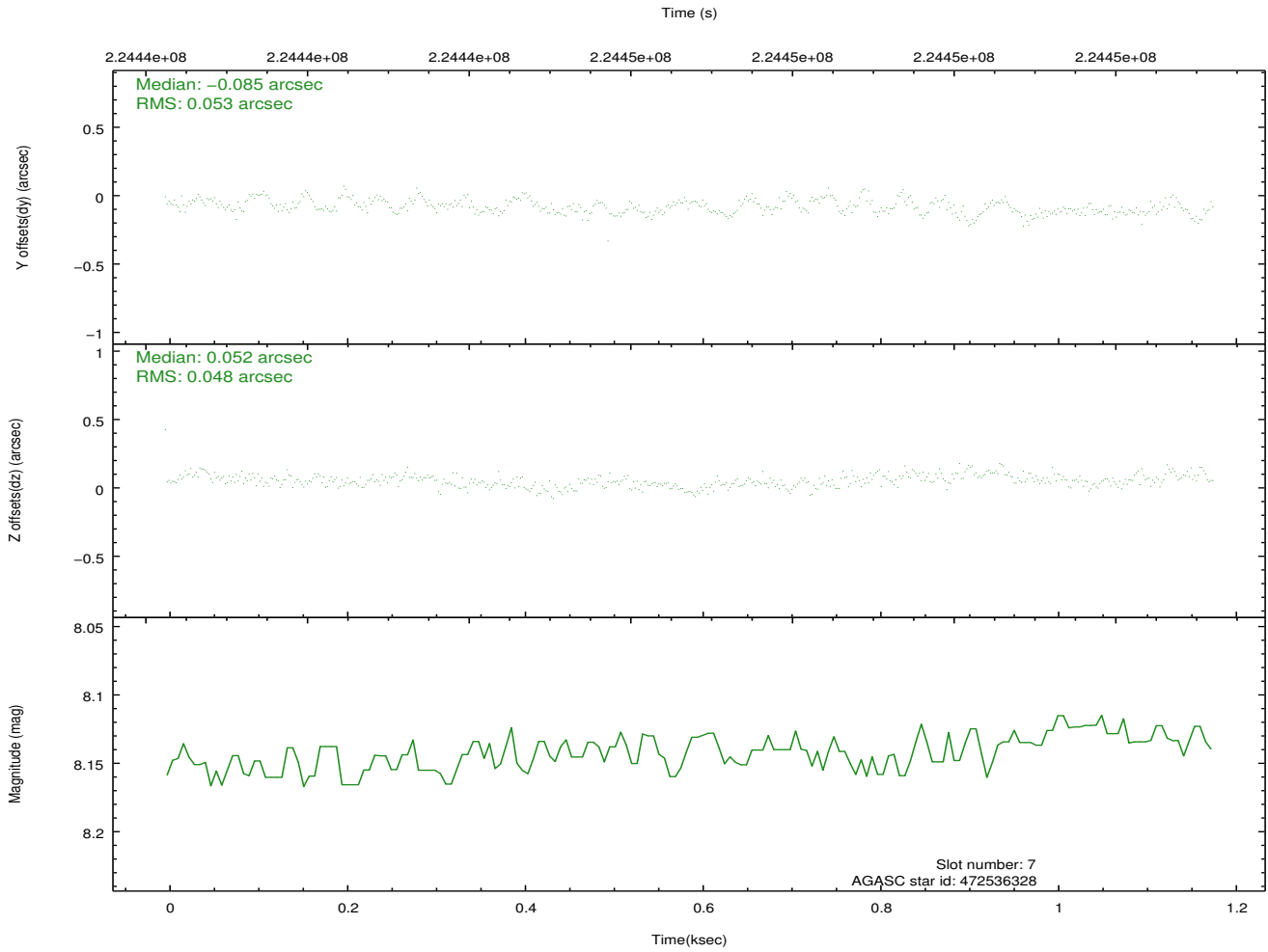
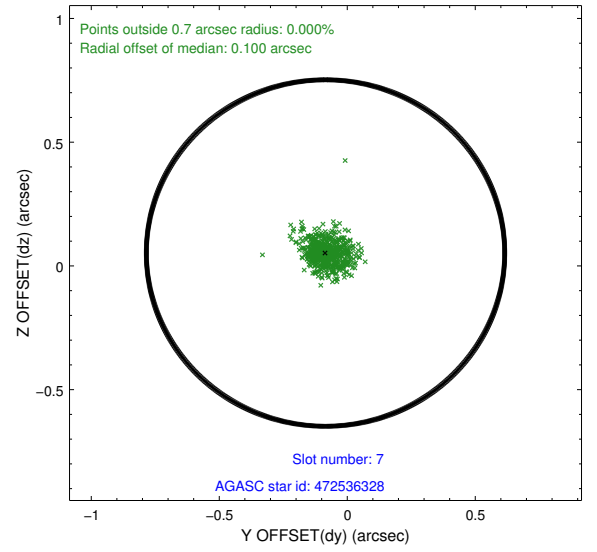
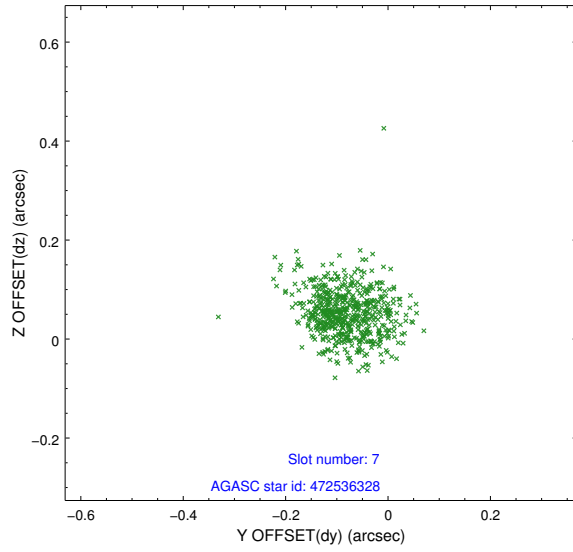
### 2.4.3 Slot 5



## 2.4.4 Slot 6

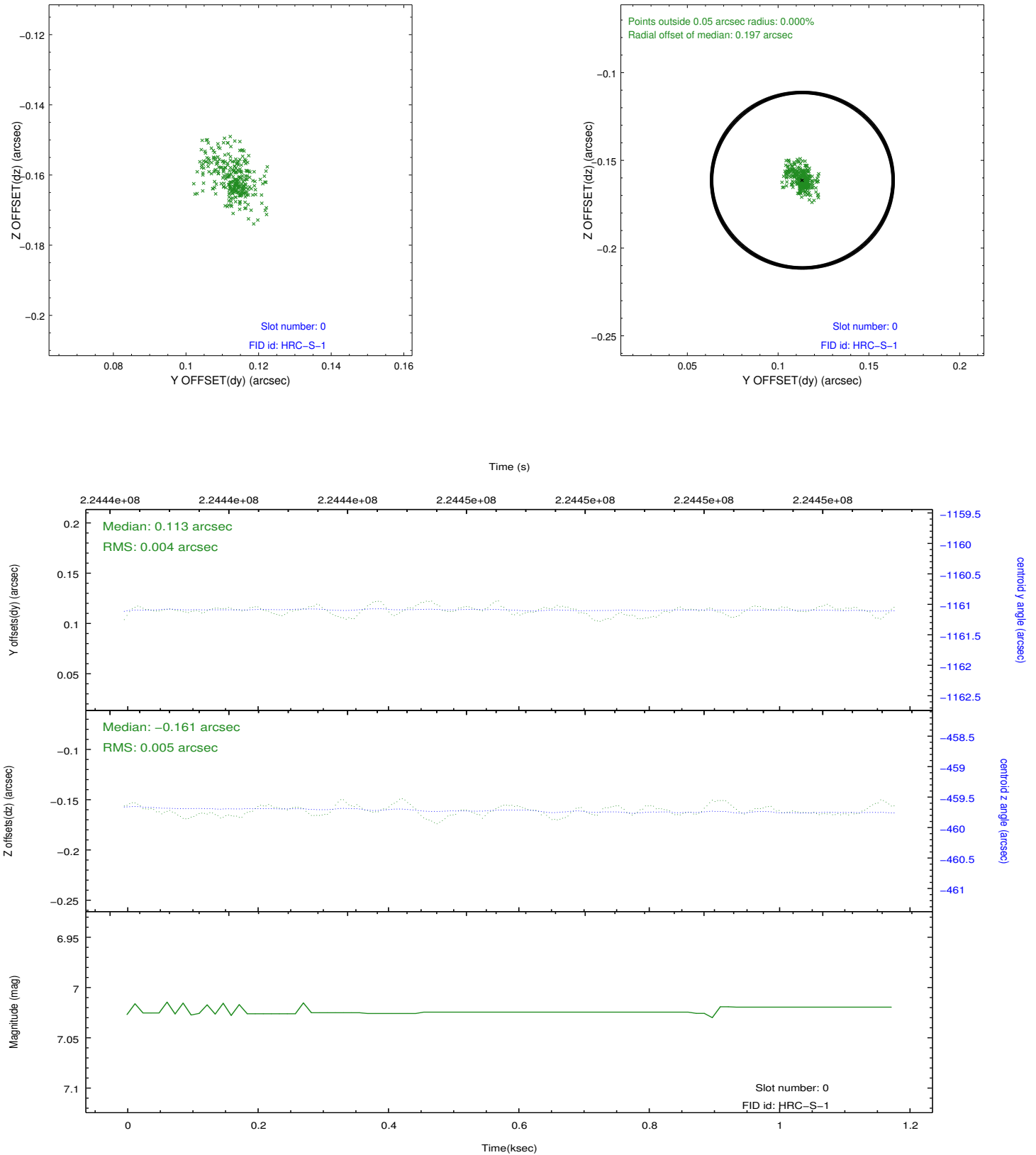


## 2.4.5 Slot 7

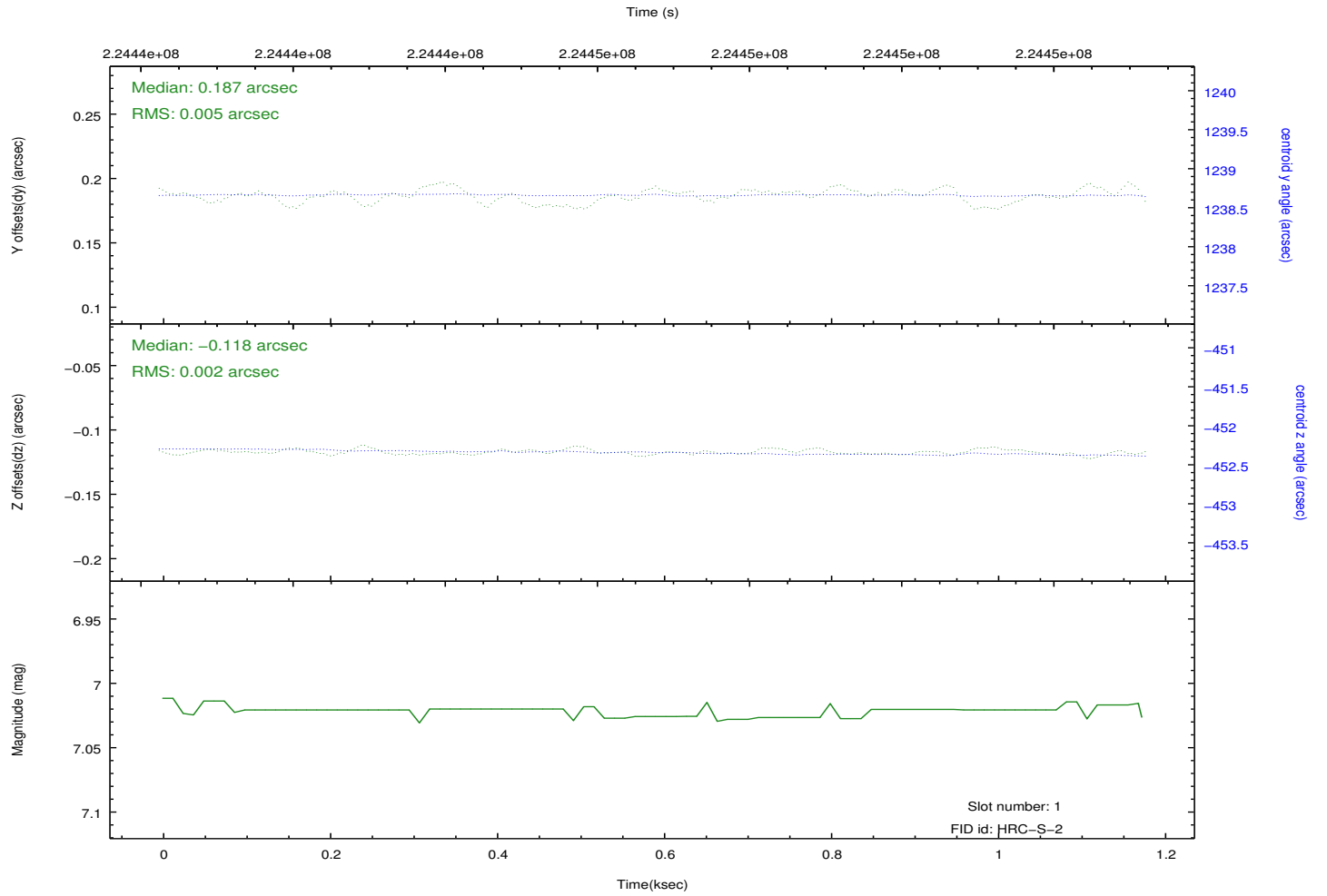
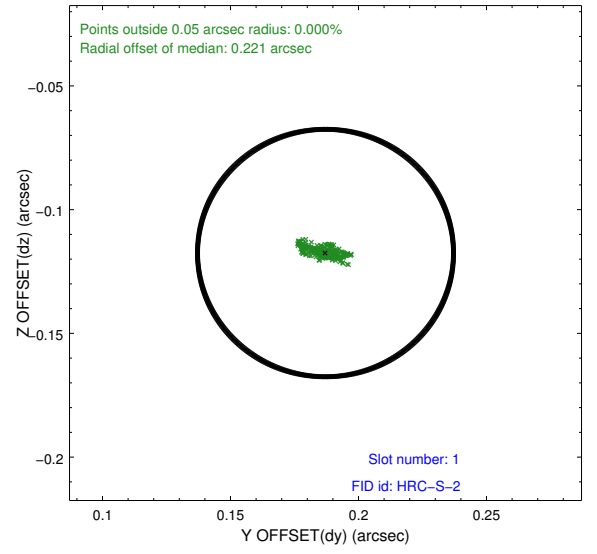
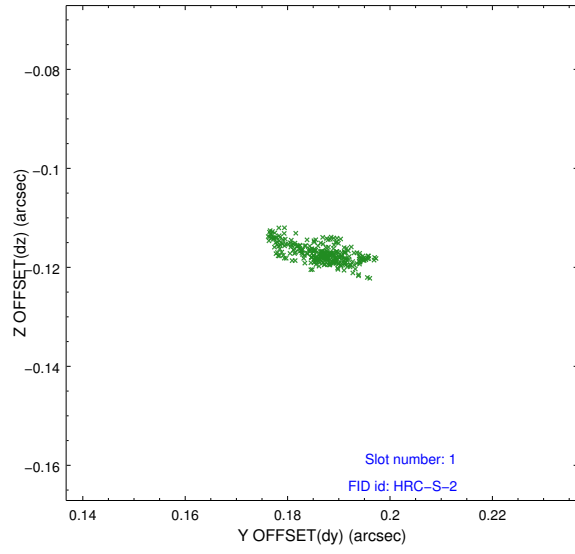


## 2.5 FID Slots

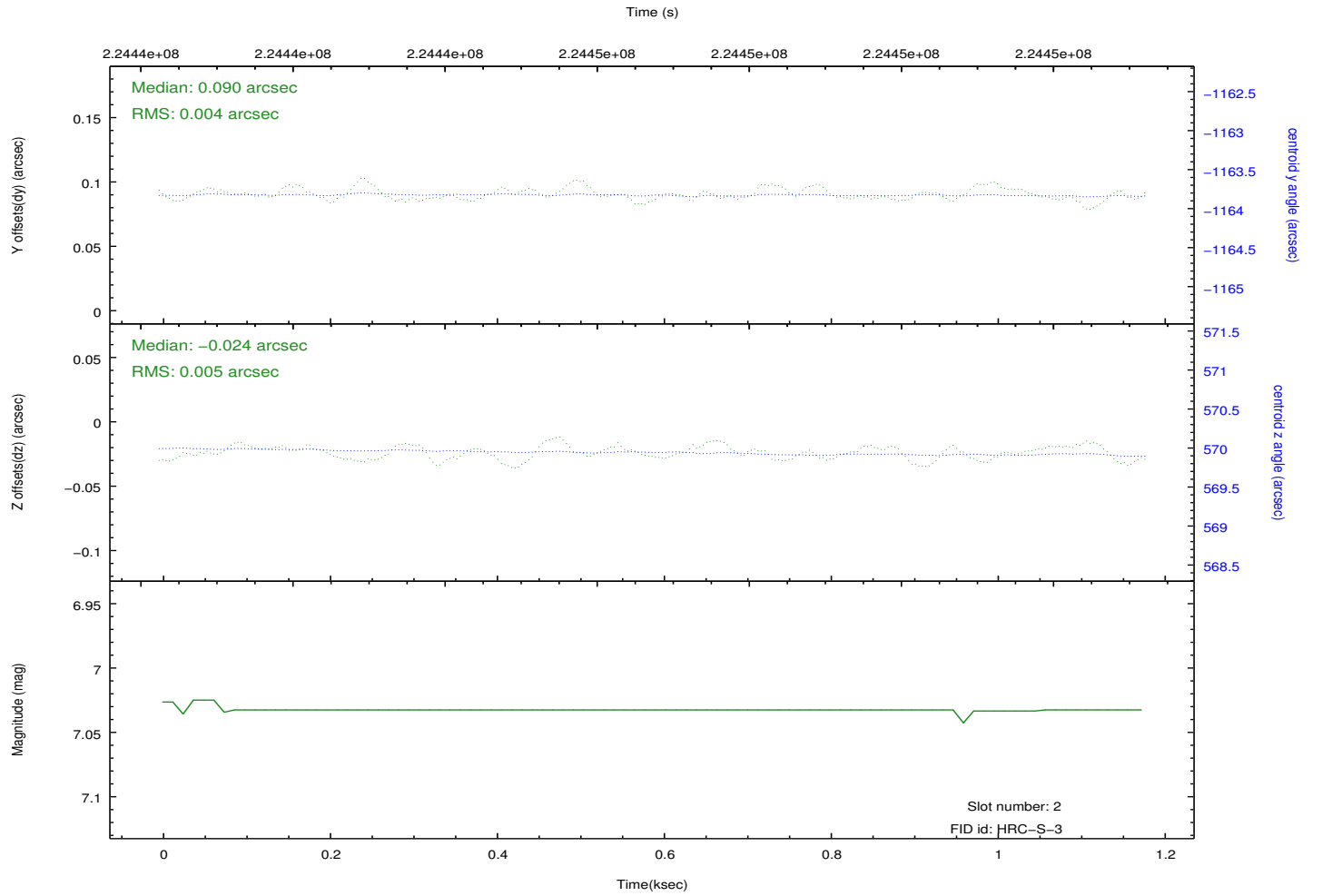
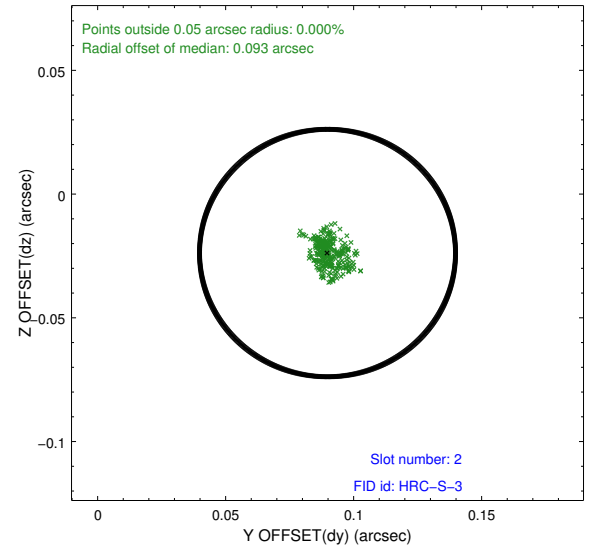
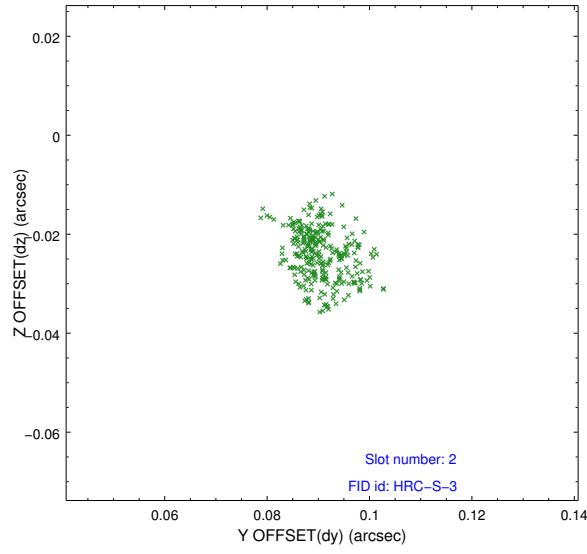
### 2.5.1 Slot 0



## 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)	2013.01.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.151331

### A.2 Comments