

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 6000 - L2 Version 3  
Chandra X-Ray Center

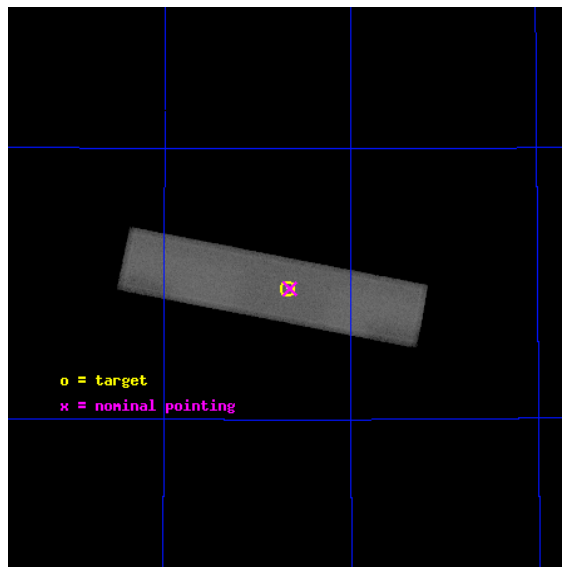
L2 Processing Date : Dec 28 2012

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# 1 Front

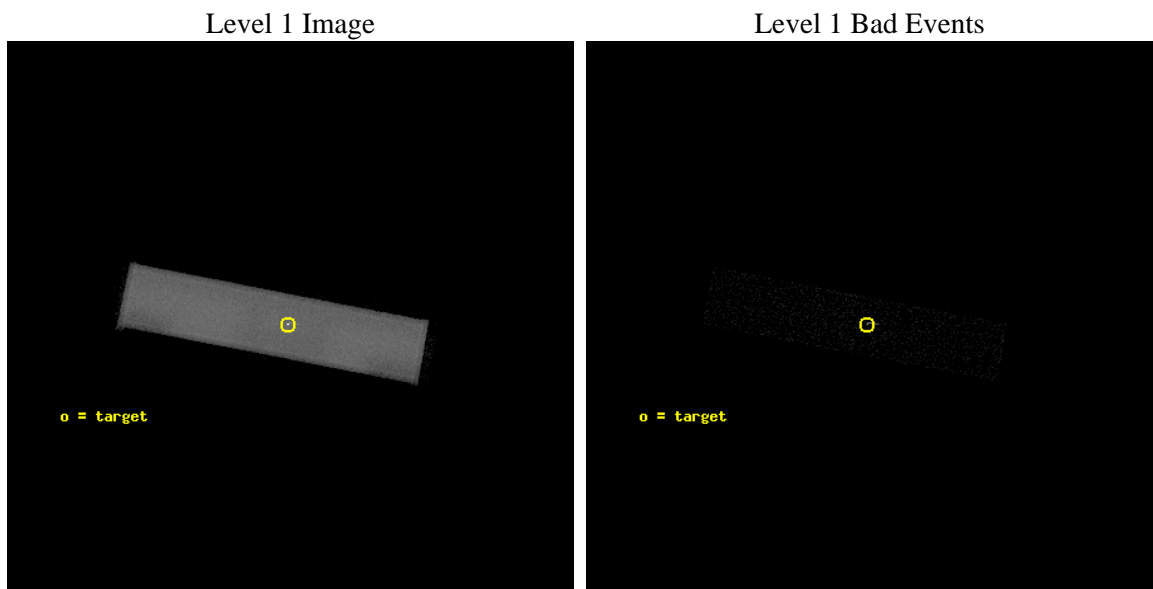
seq_num	290492	Sequence number
obs_id	6000	Observation id
title	AO6B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16348556894	Nominal RA [deg]
dec_nom	45.741595678168	Nominal Dec [deg]
roll_nom	190.85036911667	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3184.9313962758	[s]
livetime	3127.2246442459	Ontime multiplied by DTCOR
l2events	359272	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	3184.9313962758	[s]
caldsver	4.5.5	&#160	l1events	466009	Number of level 1 events
date	2012-12-28T18:49:46	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

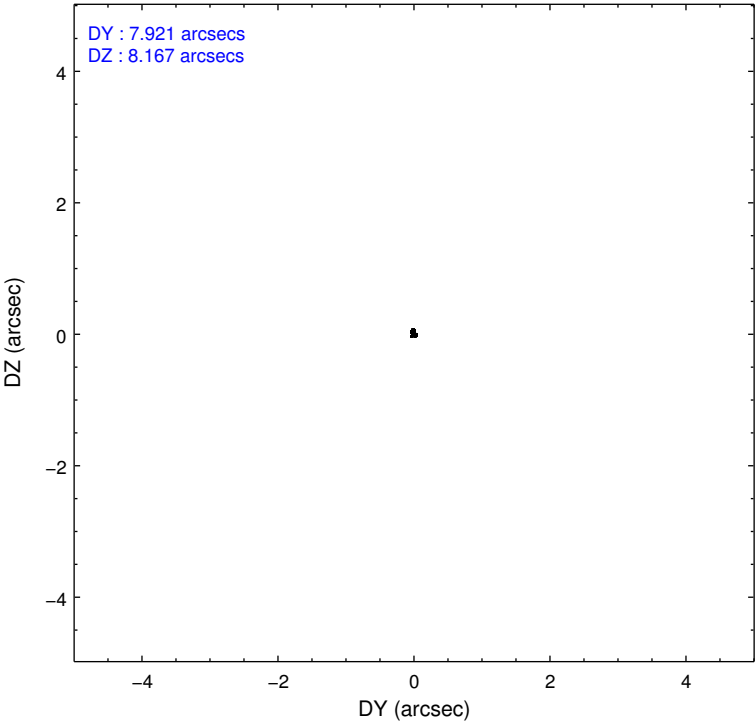
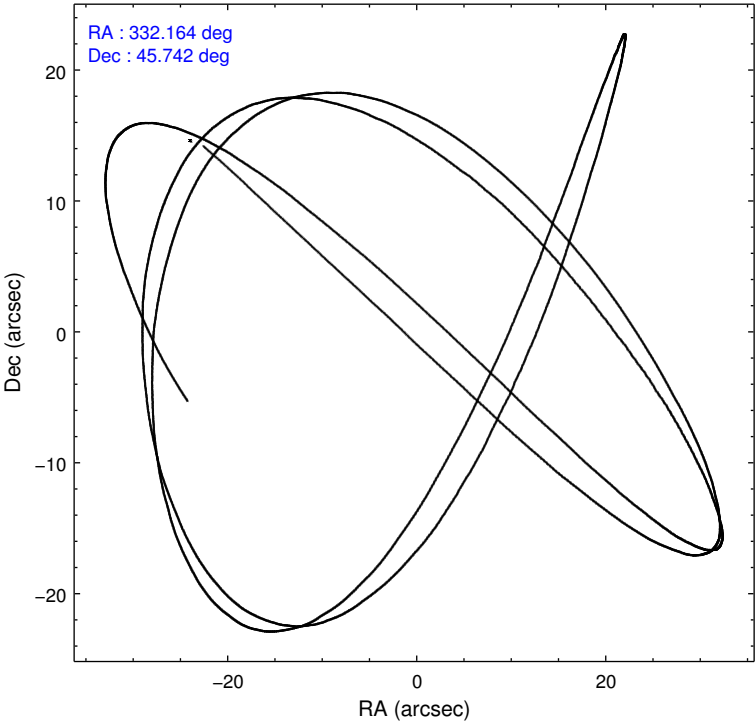
Level 1 Events

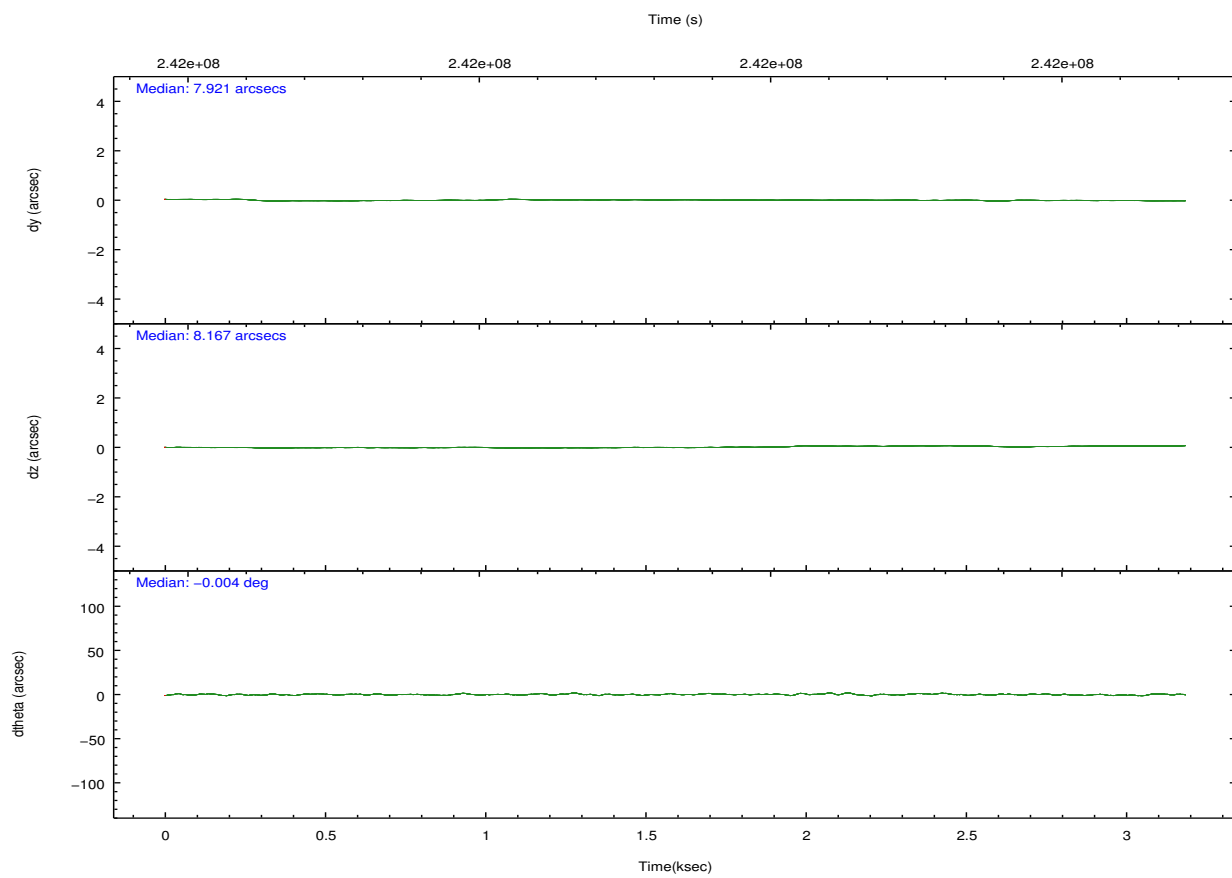
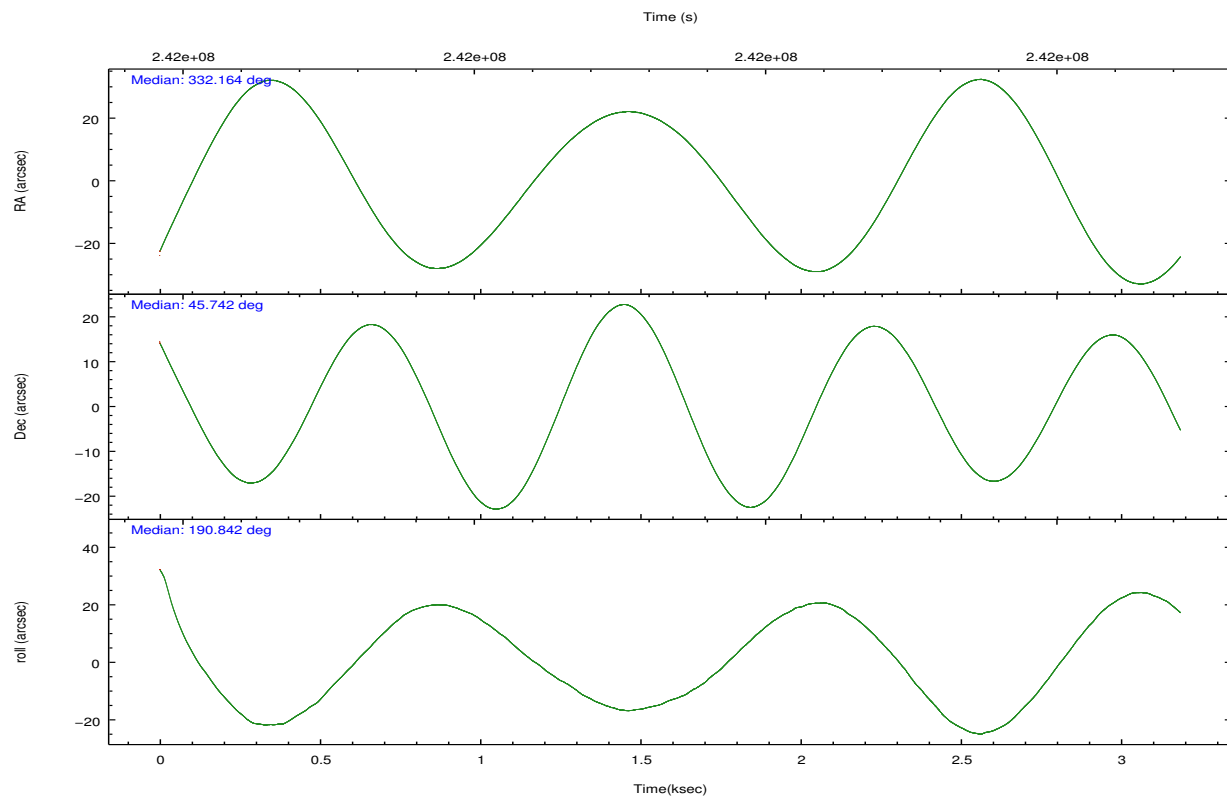
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	0	466009	0
rejected events	0	70519	0
rejected %	0%	15%	0%

## 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	332.193022	332.1634855689415			
[deg] Pointing Dec	45.761306	45.74159567816788			
[deg] Pointing Roll	190.761829	190.850369116668			
[s] Window start time (MET)	239241664.184000	239241664.184000			
[s] Window stop time (MET)	247104064.184000	247104064.184000			
[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)	241996264.184000	241995529.25833			
Observation start date	2005-09-01T21:10:00	2005-09-01T20:58:49			
[s] Observation end time (MET)	241999264.184000	241999398.6335			
Observation end date	2005-09-01T22:00:00	2005-09-01T22:03:18			

2.3 Aspect





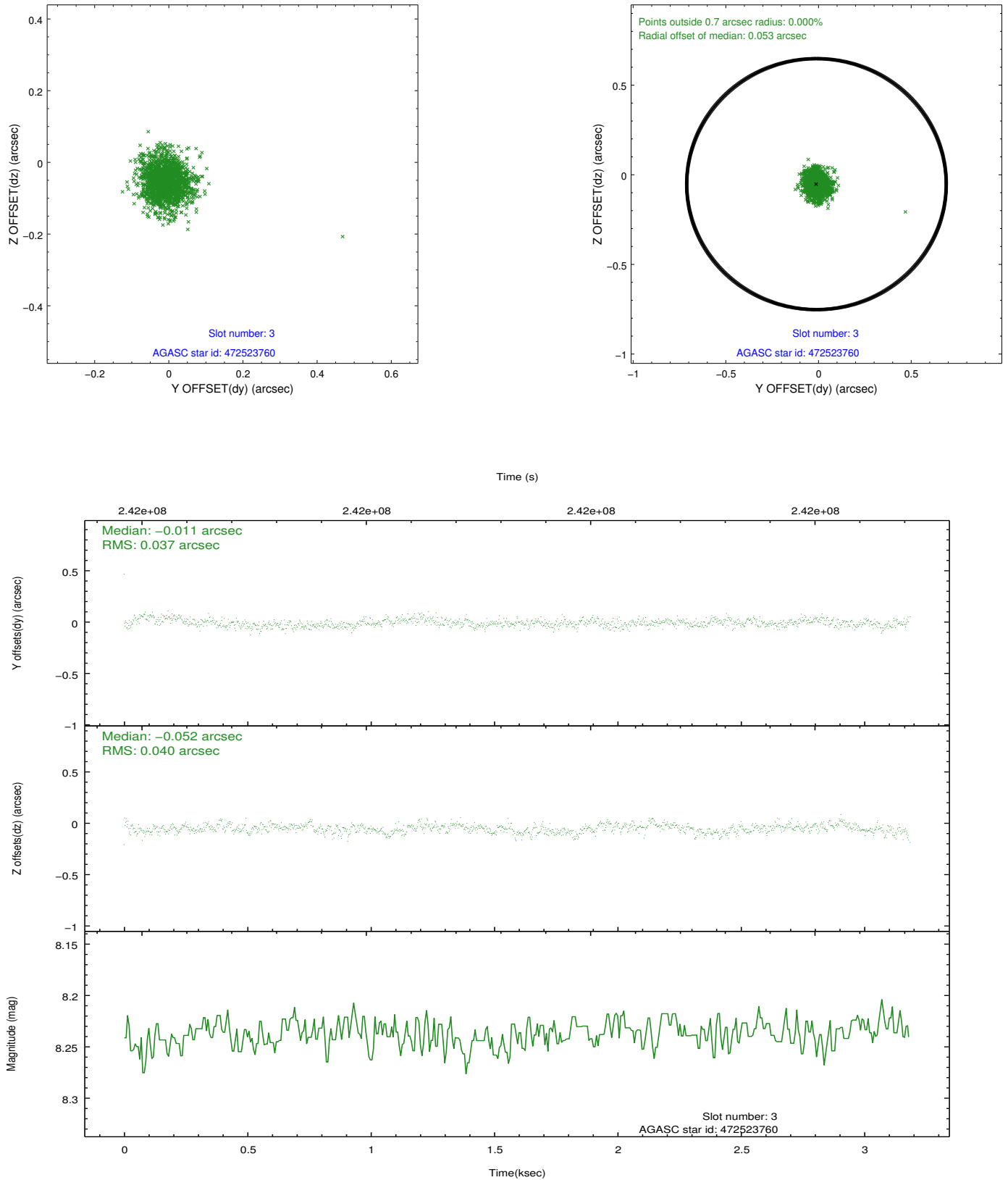
Slot Statistics

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	778	0.140	-0.136	0.008	0.012	0.000000	0.000000	-1162.09	-456.80
1	FID	HRC-S-2	7.03	778	0.159	-0.117	0.005	0.009	0.000000	0.000000	1236.12	-450.00
2	FID	HRC-S-3	7.04	778	0.092	-0.049	0.007	0.012	0.000000	0.000000	-1163.27	572.24
3	GUIDE	472523760	8.24	1553	-0.011	-0.052	0.056	0.094	331.645363	45.403260	1600.25	1003.57
4	GUIDE	472527720	7.00	1555	-0.086	-0.066	0.071	0.125	331.460205	45.112509	2264.93	1939.75
5	GUIDE	472535576	7.86	1555	-0.129	0.080	0.065	0.106	331.438373	46.291802	1488.22	-2233.77
6	GUIDE	472665256	9.00	1553	0.210	0.023	0.083	0.134	332.808125	46.195041	-1796.58	-1255.09
7	GUIDE	472533912	9.16	1552	0.001	0.016	0.103	0.173	331.791136	46.368695	571.79	-2337.55

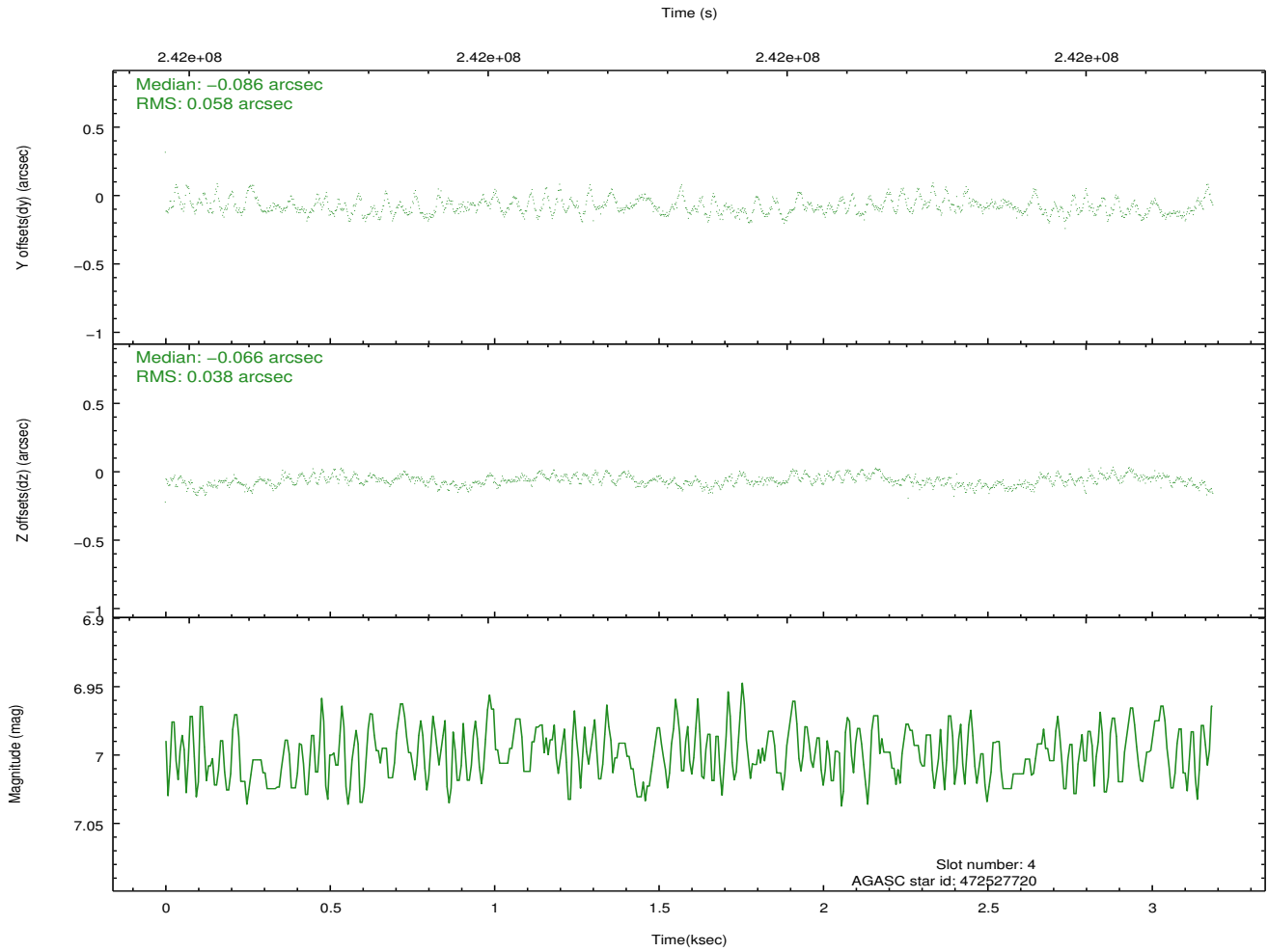
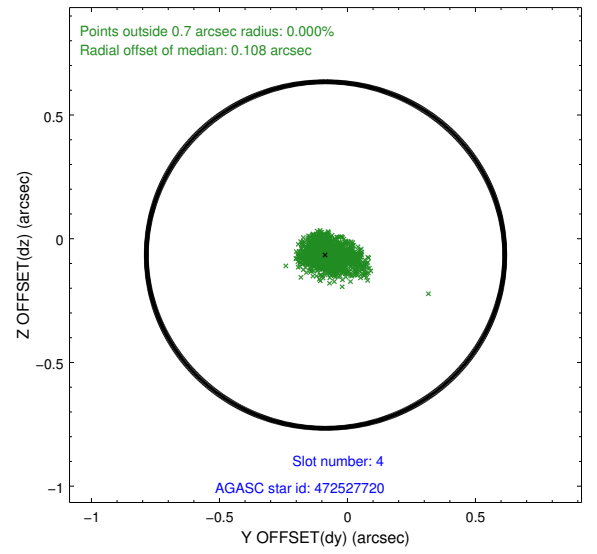
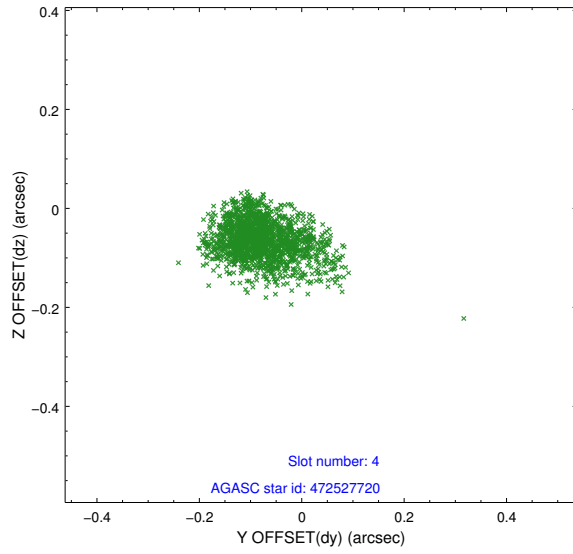


## 2.4 Star Slots

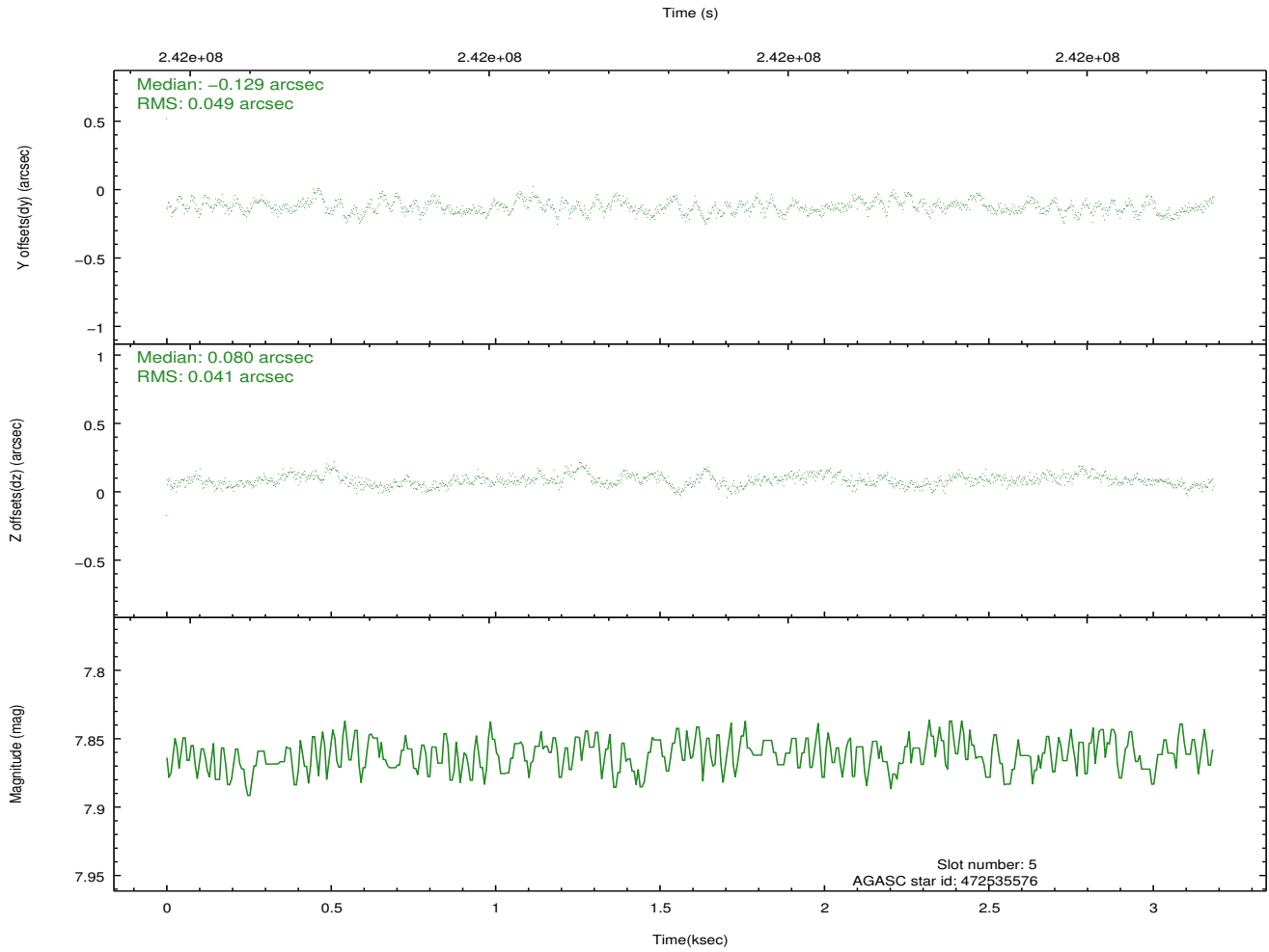
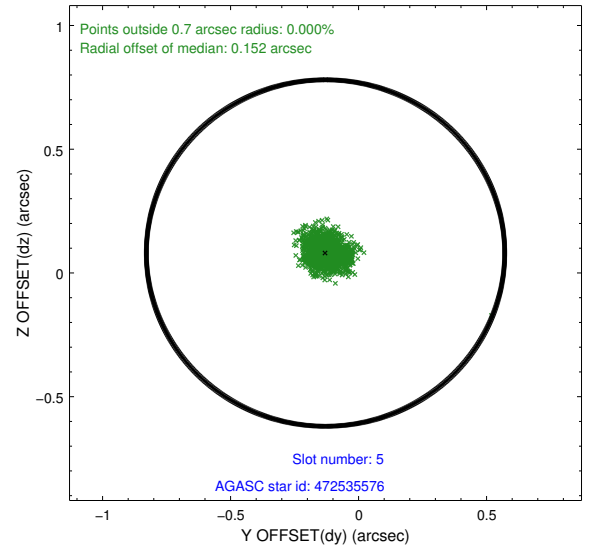
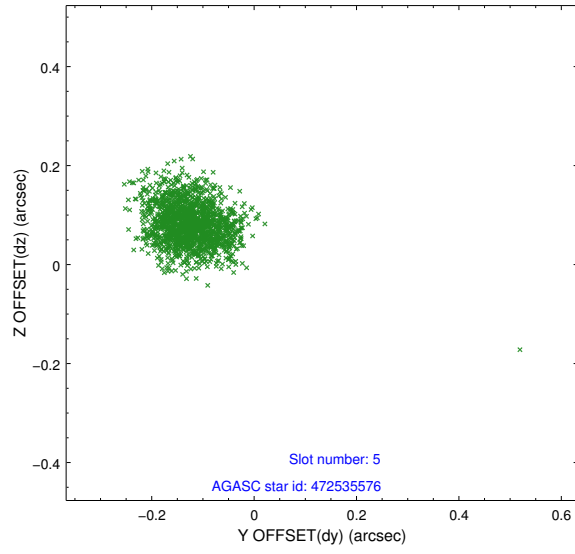
### 2.4.1 Slot 3



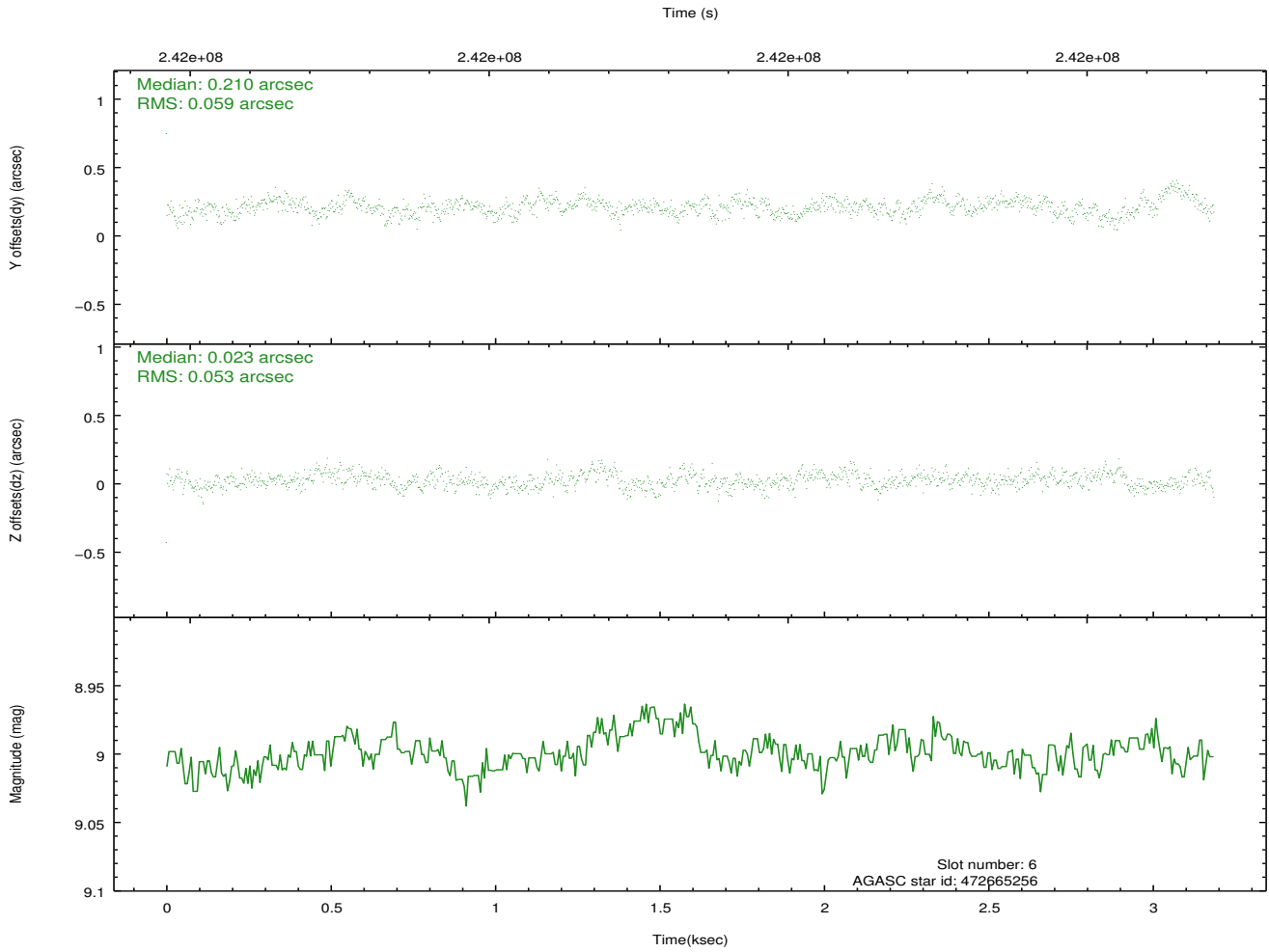
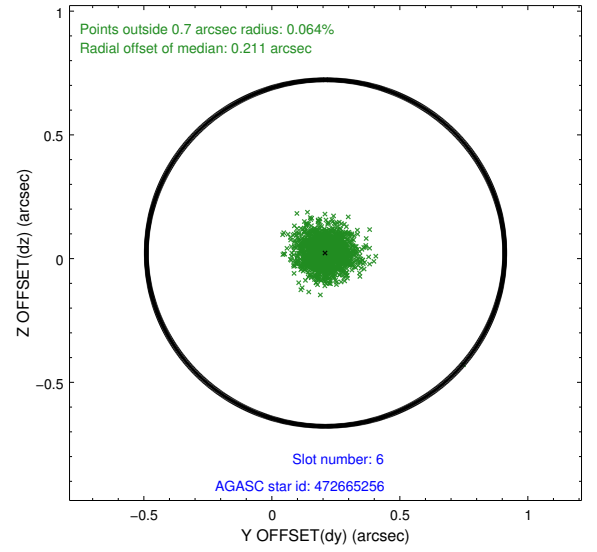
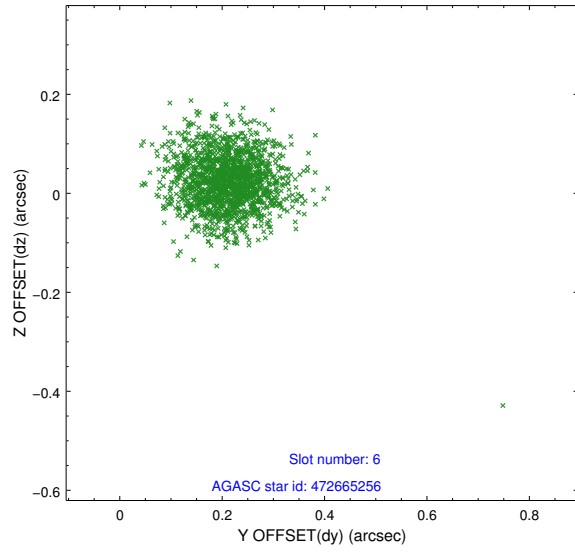
## 2.4.2 Slot 4



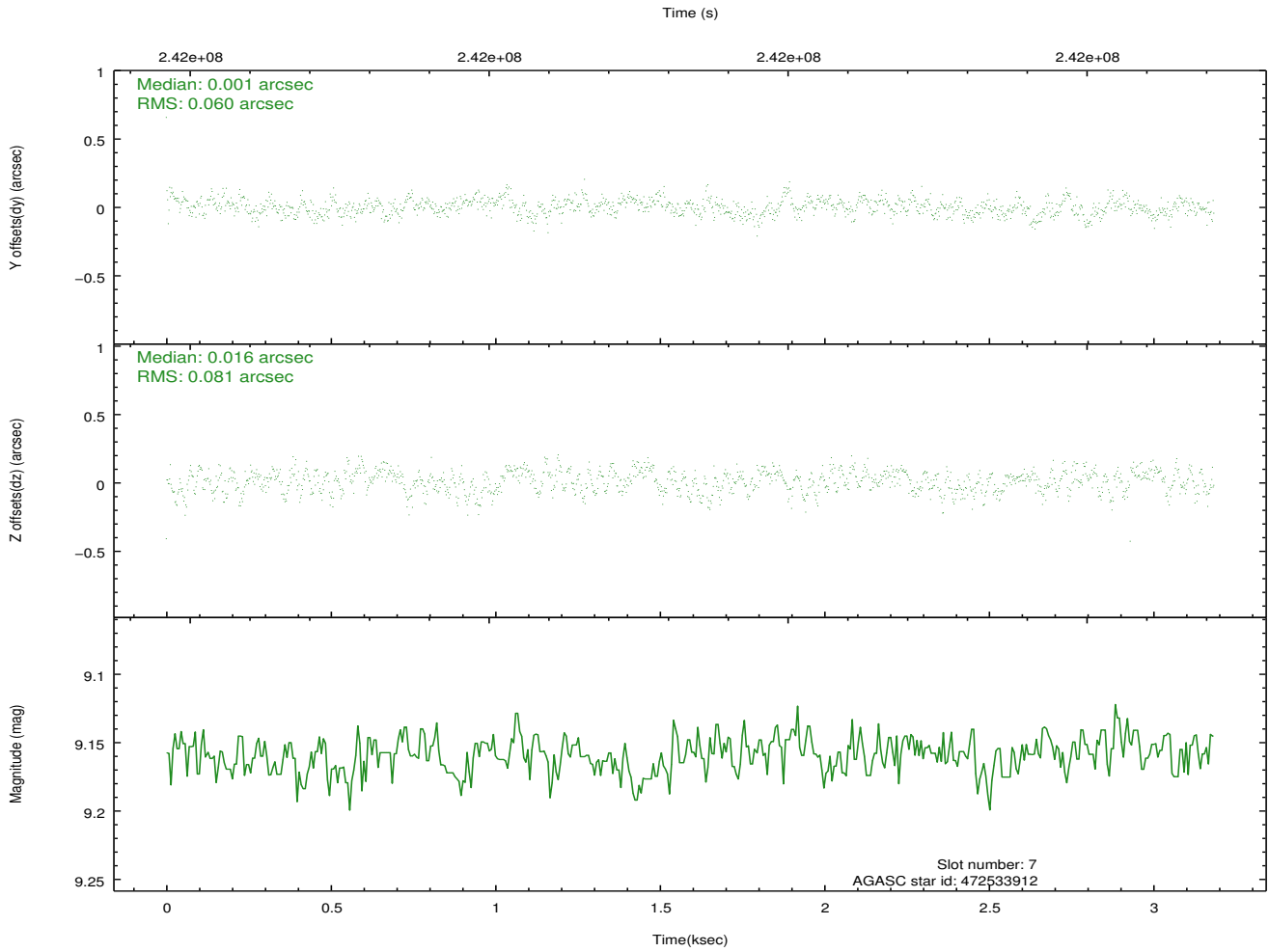
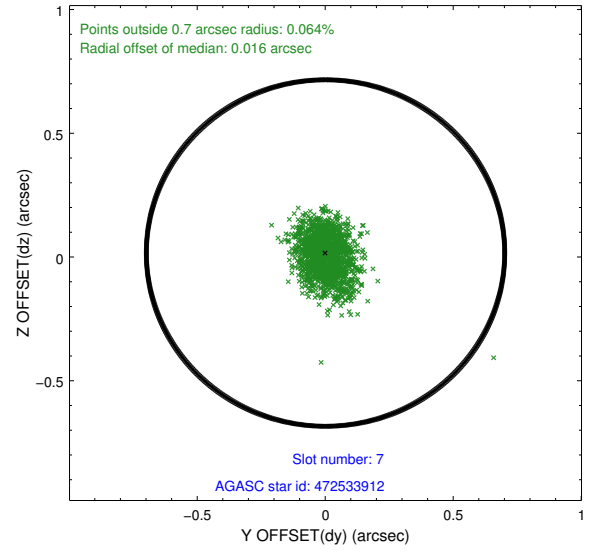
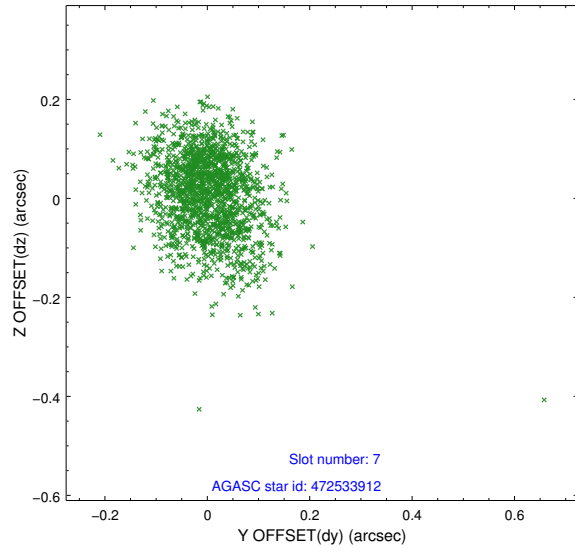
### 2.4.3 Slot 5



## 2.4.4 Slot 6

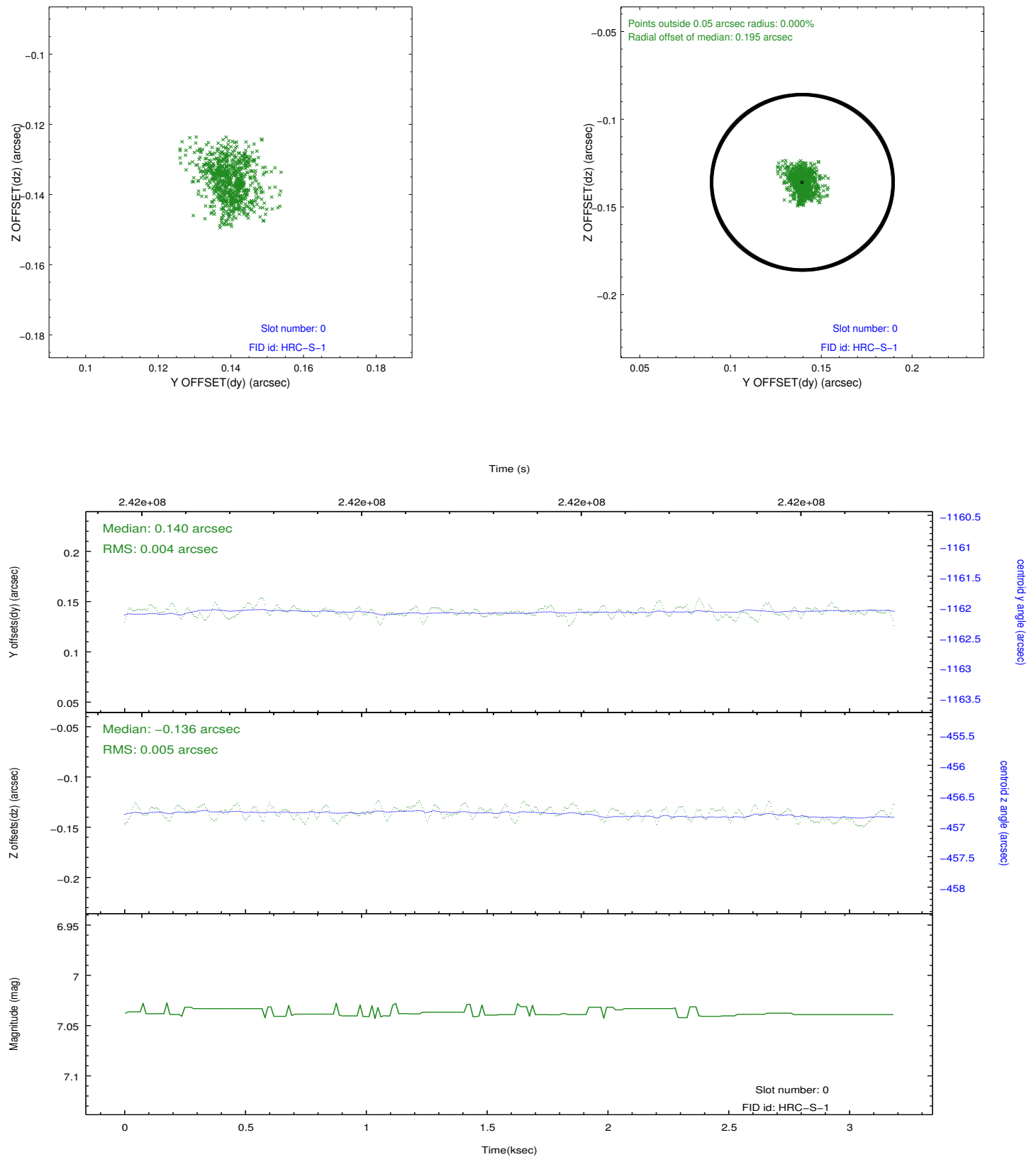


### 2.4.5 Slot 7

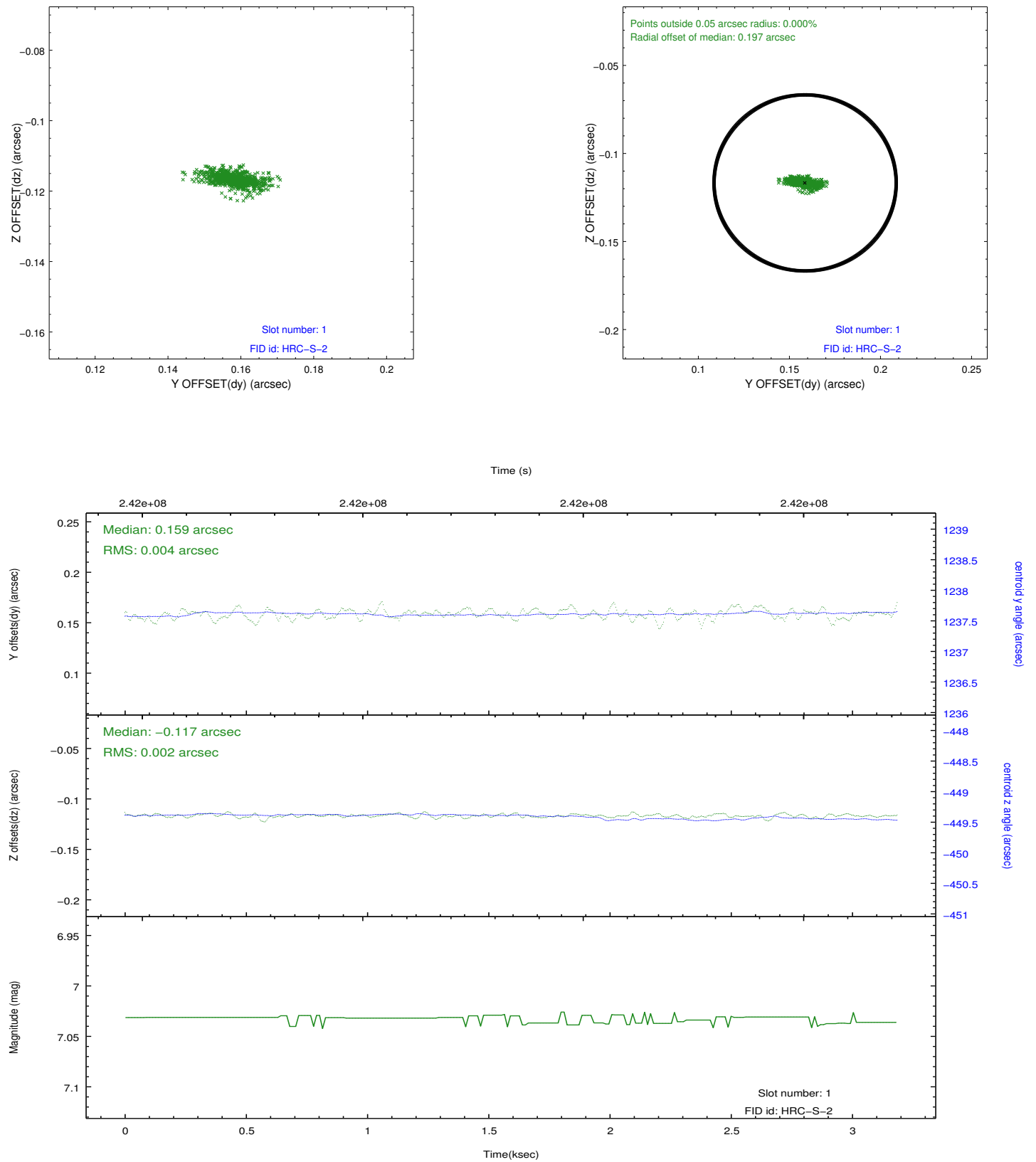


## 2.5 FID Slots

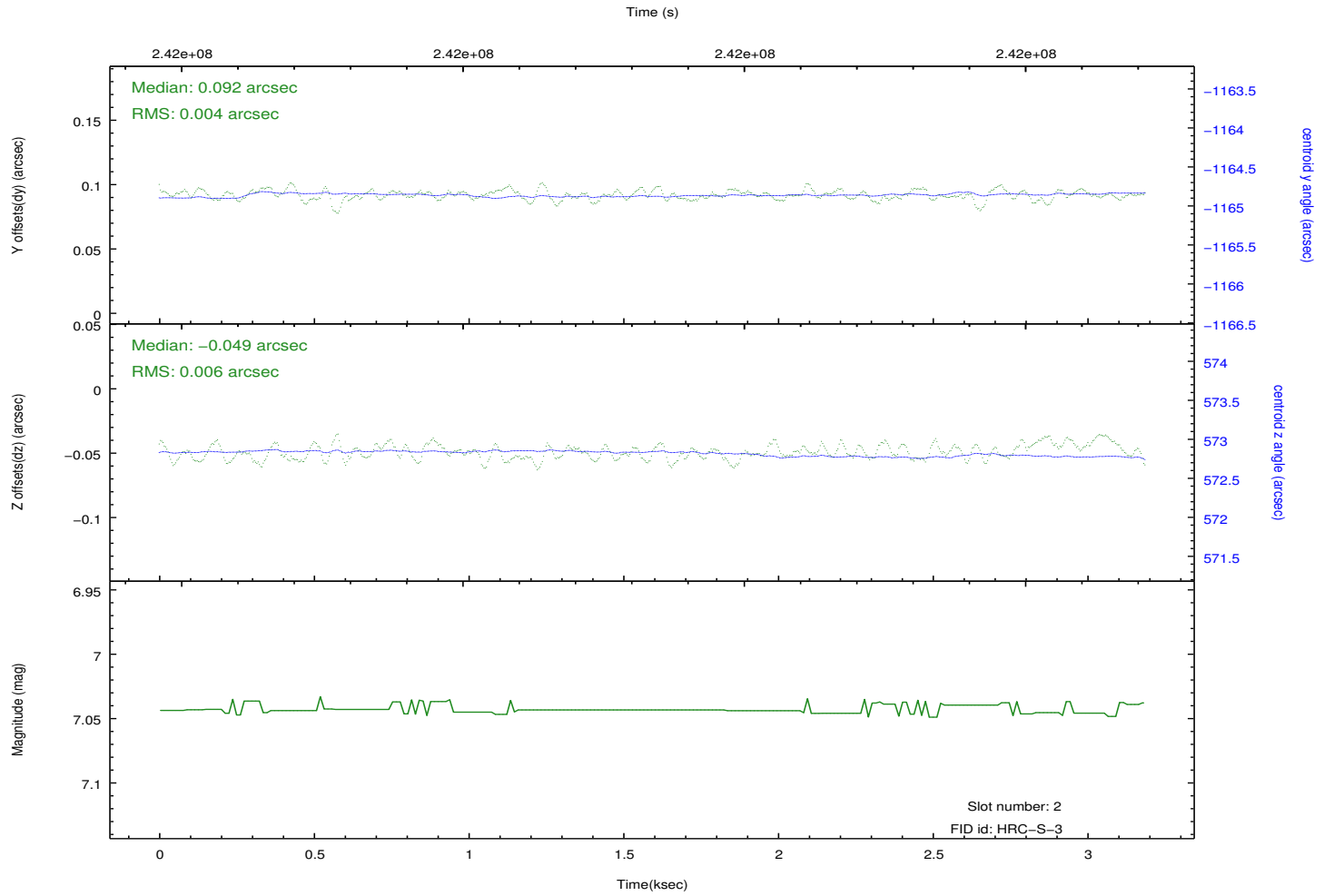
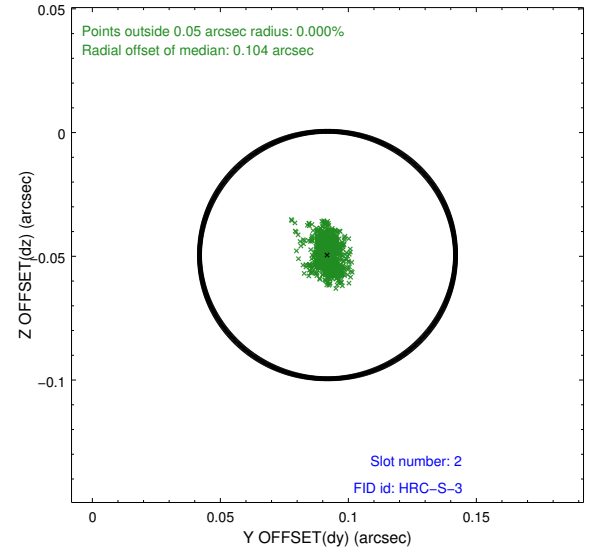
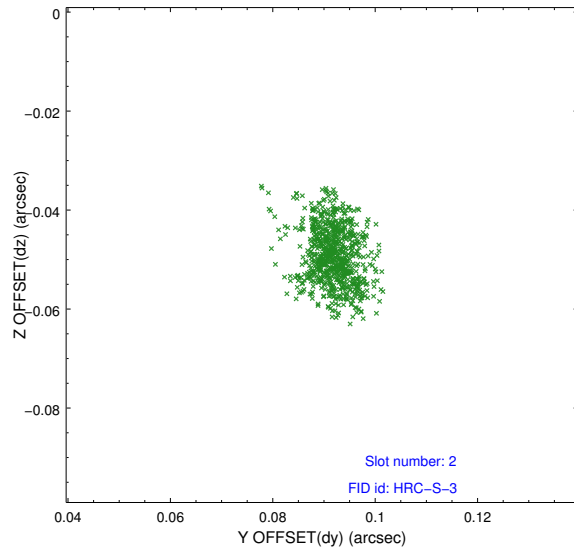
### 2.5.1 Slot 0



## 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	3.184931

### A.2 Comments

Window constraint met.