

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 6015 - L2 Version 3  
Chandra X-Ray Center

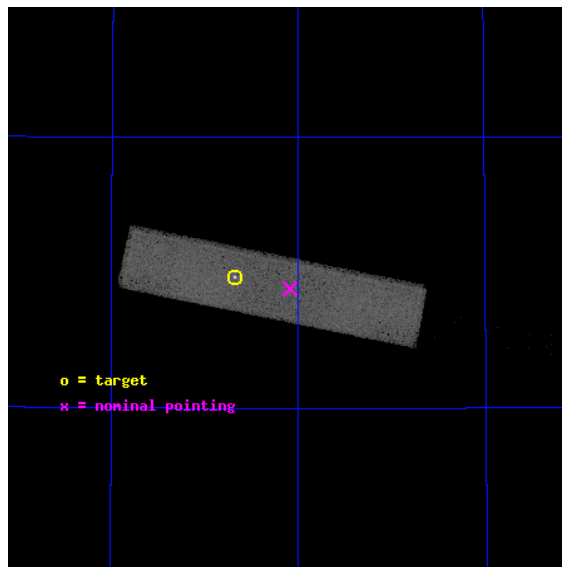
L2 Processing Date : Dec 28 2012

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# 1 Front

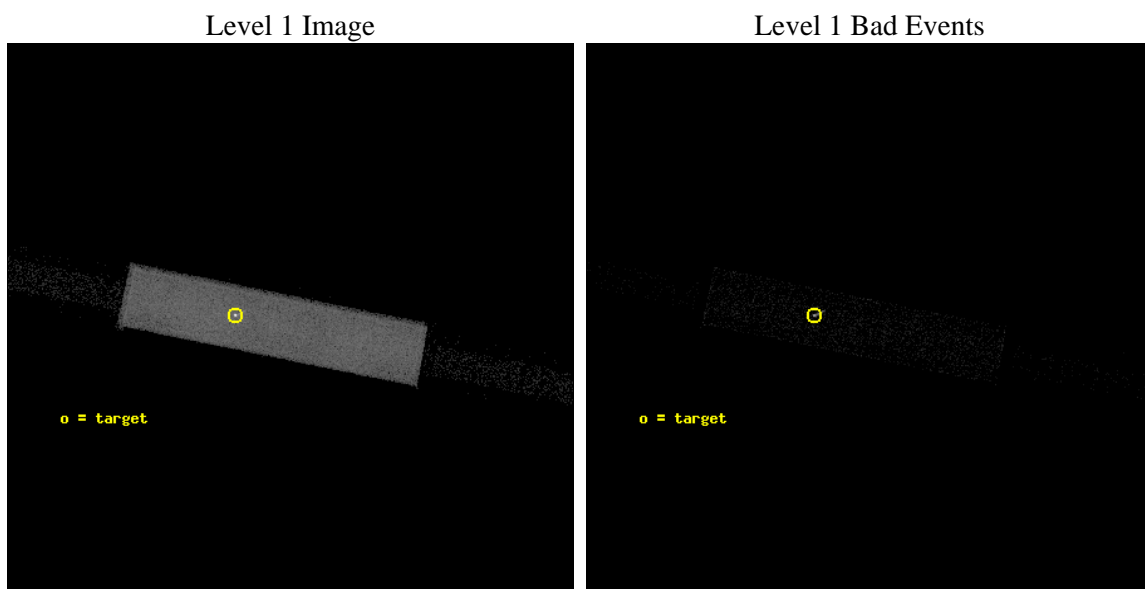
seq_num	290507	Sequence number
obs_id	6015	Observation id
title	AO6B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.02274097458	Nominal RA [deg]
dec_nom	45.720834902829	Nominal Dec [deg]
roll_nom	191.34799329627	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1153.3813029826	[s]
livetime	1141.7782285739	Ontime multiplied by DTCOR
l2events	86778	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	130075	Number of level 1 events
date	2012-12-28T18:55:06	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

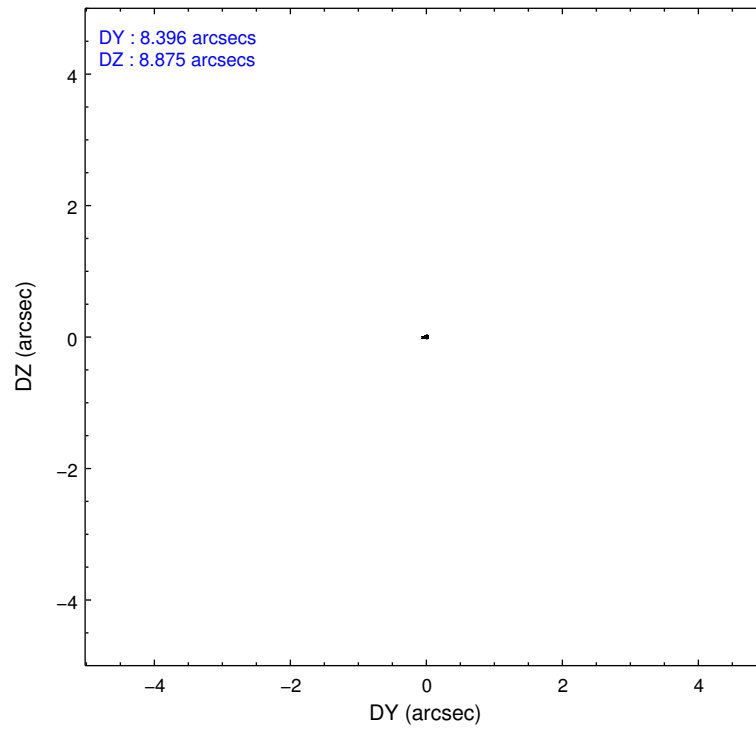
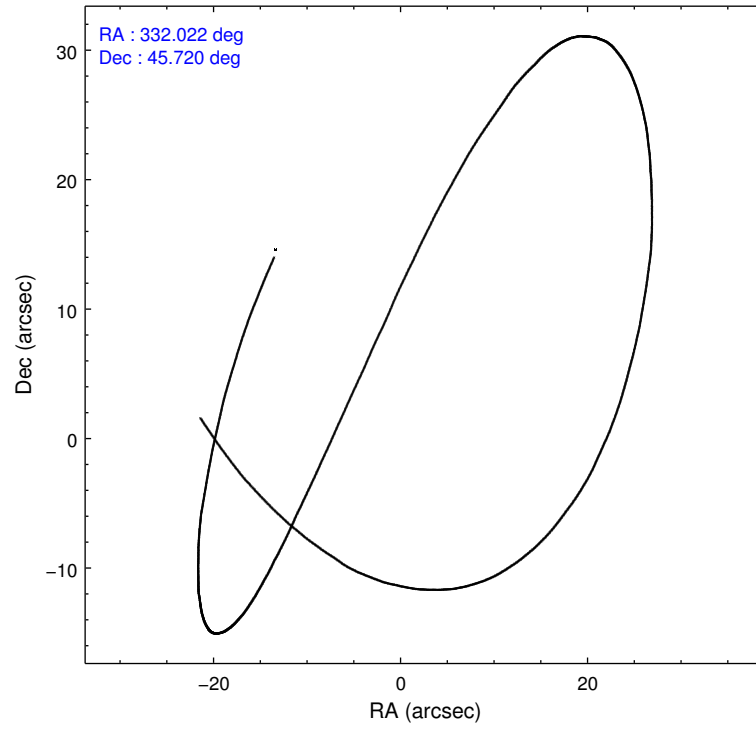
Level 1 Events

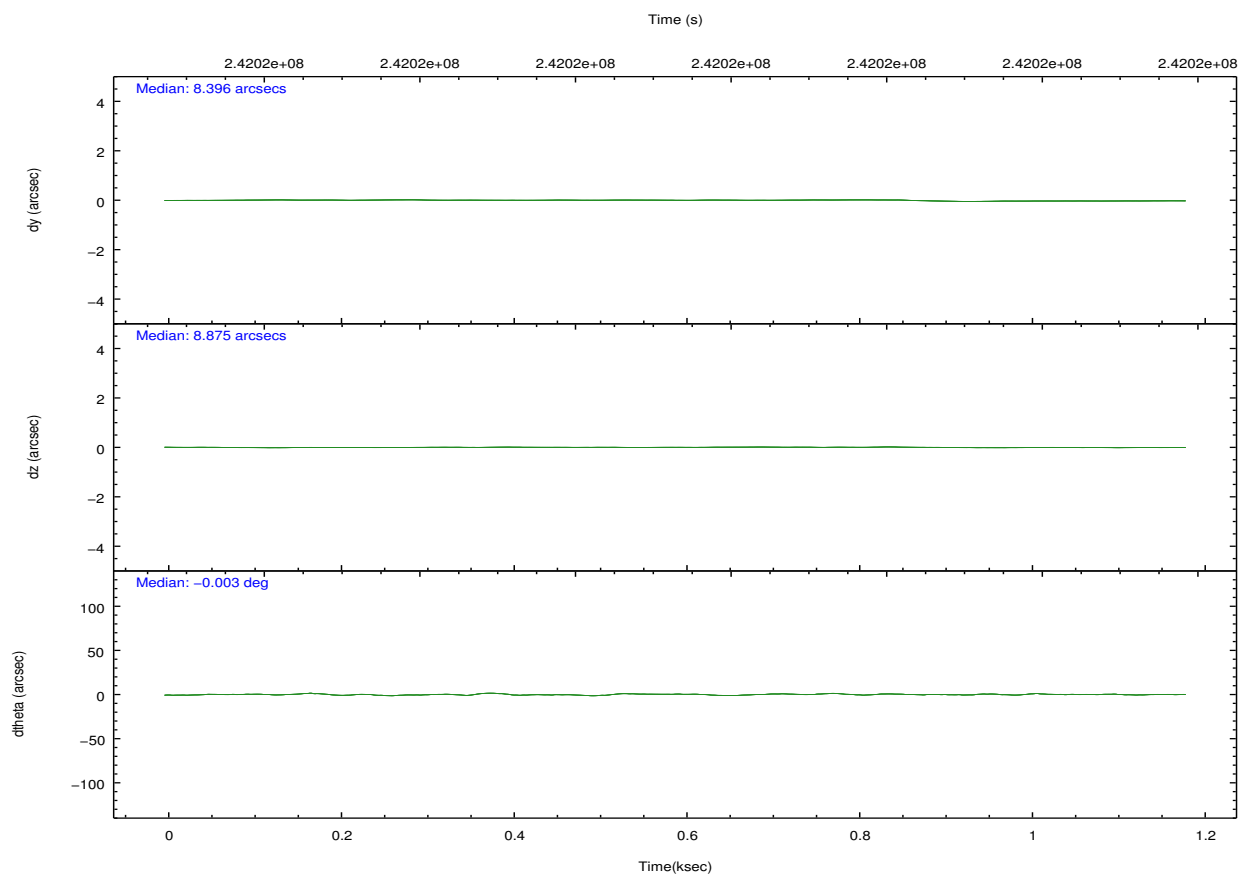
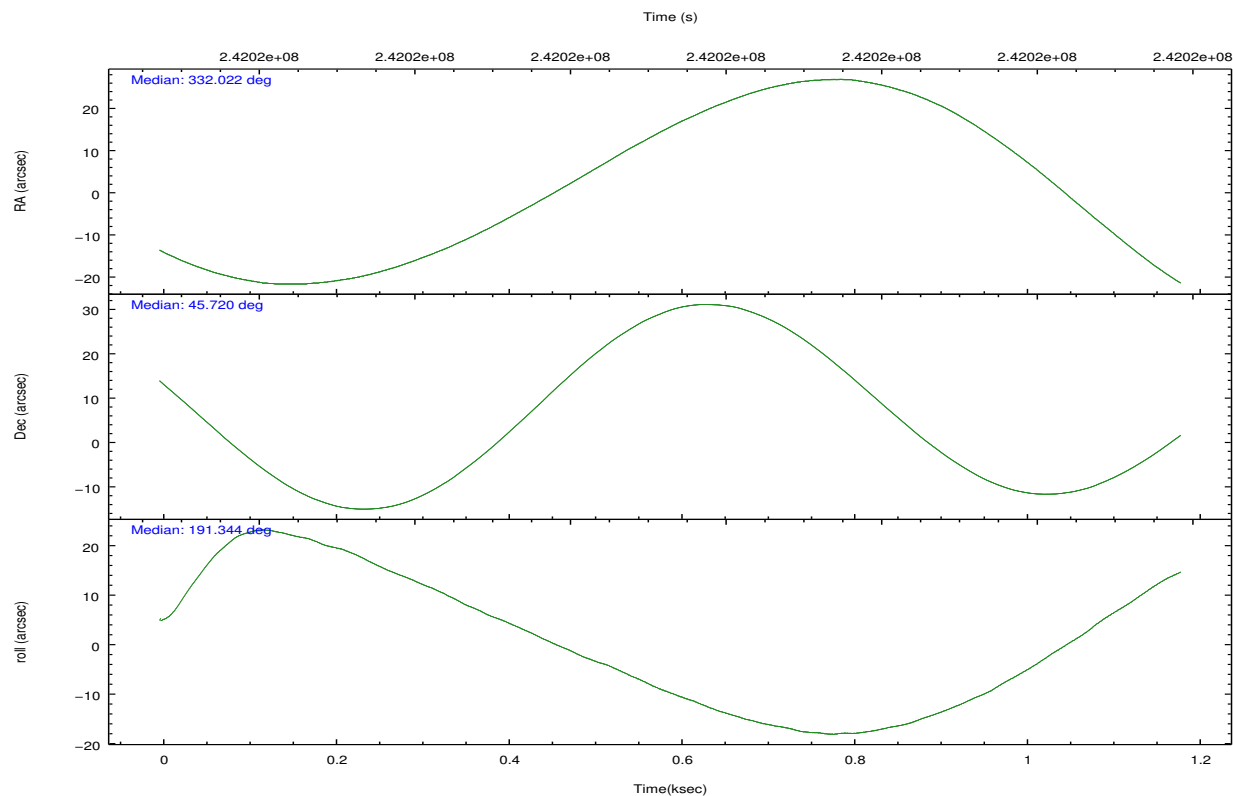
	segment 1	segment 2	segment 3
level 1 events	1767	126727	1581
rejected events	1767	27492	1566
rejected %	100%	21%	99%

## 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	332.052256	332.0227409745758			
[deg] Pointing Dec	45.741988	45.72083490282921			
[deg] Pointing Roll	191.259506	191.3479932962674			
[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)	242020914.184000	242020538.23448			
Observation start date	2005-09-02T04:00:50	2005-09-02T03:55:38			
[s] Observation end time (MET)	242021914.184000	242022048.05955			
Observation end date	2005-09-02T04:17:30	2005-09-02T04:20:48			

## 2.3 Aspect





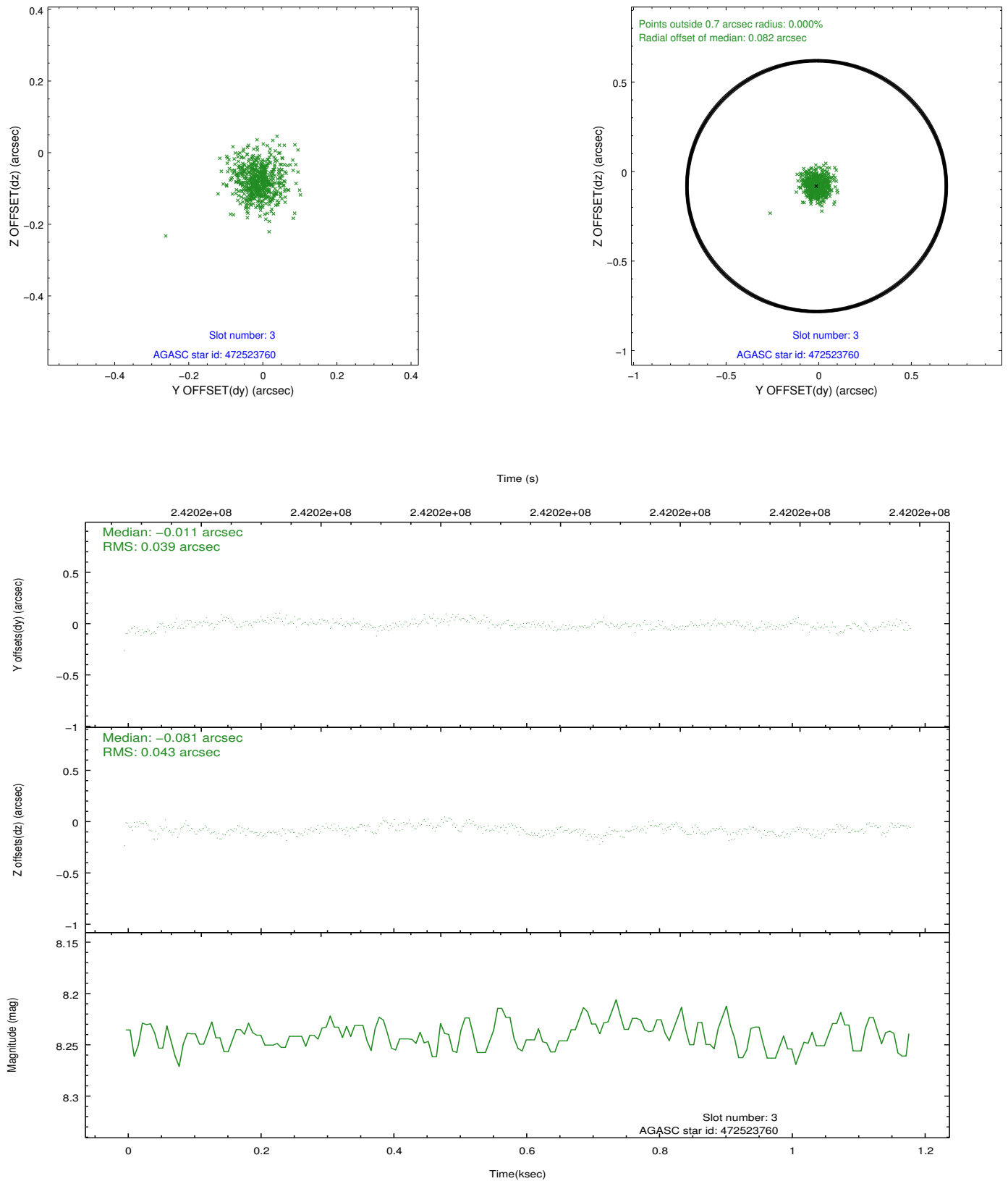
### Slot Statistics

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	289	0.161	-0.171	0.006	0.010	0.000000	0.000000	-1162.55	-457.54
1	FID	HRC-S-2	7.03	289	0.131	-0.114	0.004	0.009	0.000000	0.000000	1233.08	-451.71
2	FID	HRC-S-3	7.04	289	0.098	-0.017	0.007	0.011	0.000000	0.000000	-1161.06	570.58
3	GUIDE	472523760	8.24	578	-0.011	-0.081	0.061	0.105	331.645363	45.403260	1245.33	988.56
4	GUIDE	472527720	7.00	578	-0.178	-0.135	0.078	0.119	331.460205	45.112509	1917.59	1921.08
5	GUIDE	472535576	7.86	578	-0.173	0.146	0.058	0.092	331.438373	46.291802	1112.49	-2245.70
6	GUIDE	472655152	9.43	578	0.123	0.044	0.103	0.175	332.504239	45.862991	-1195.85	-217.06
7	GUIDE	472665256	9.01	577	0.230	0.014	0.079	0.126	332.808125	46.195041	-2170.19	-1245.20

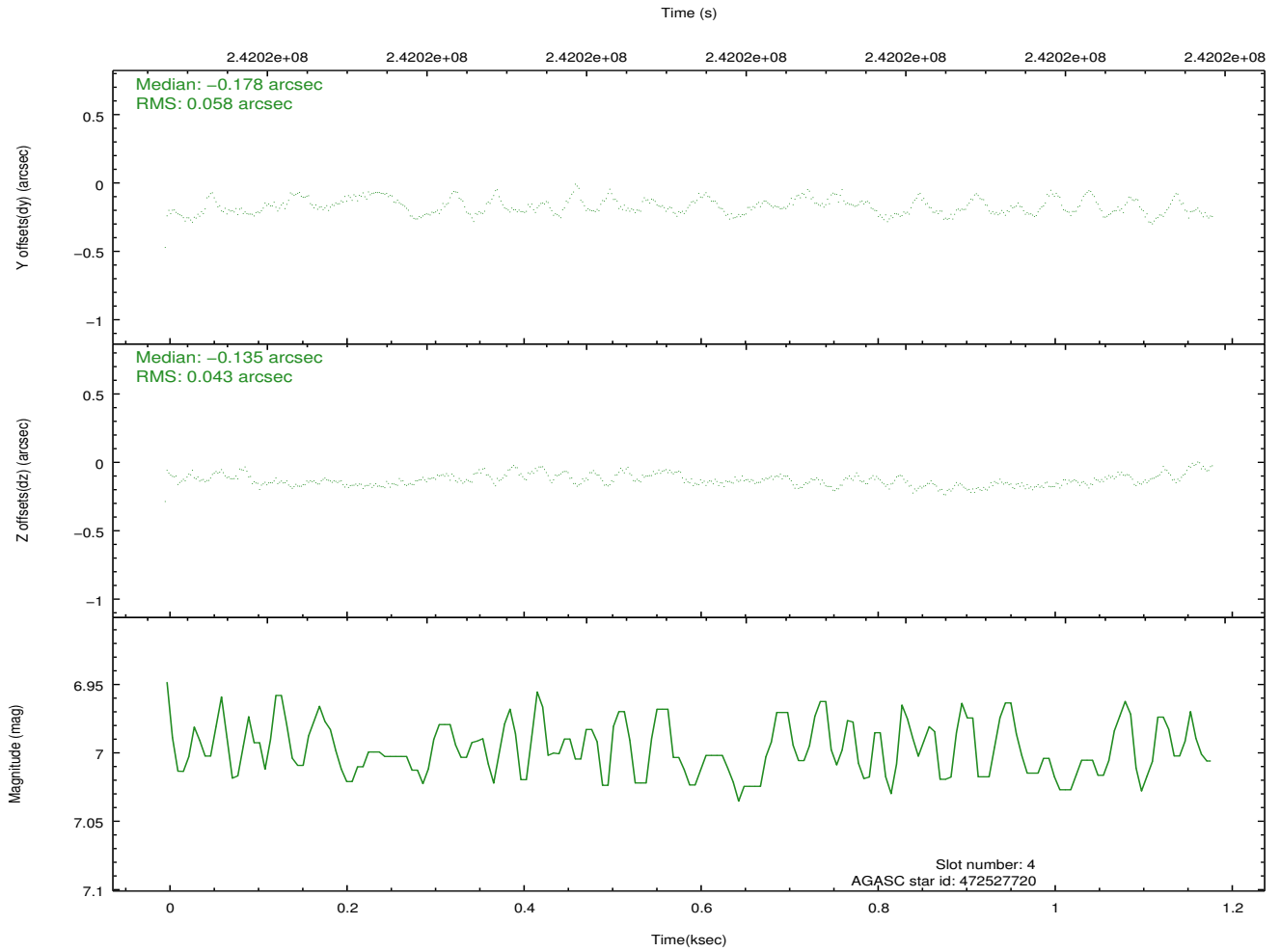
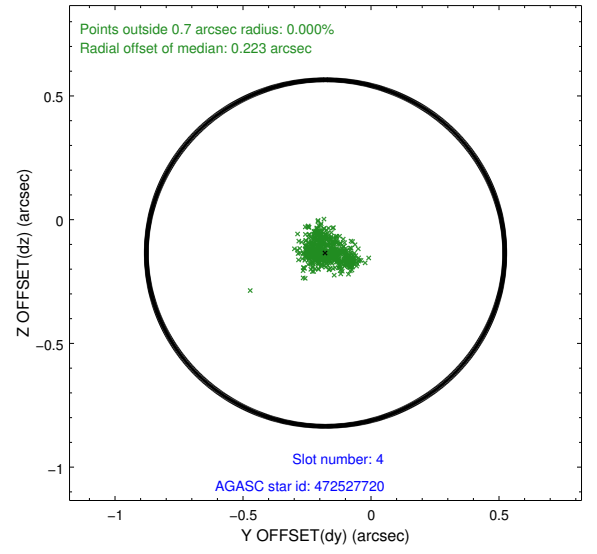
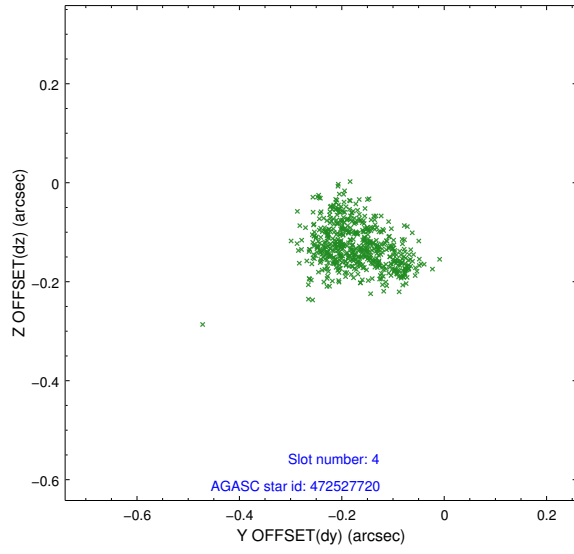


## 2.4 Star Slots

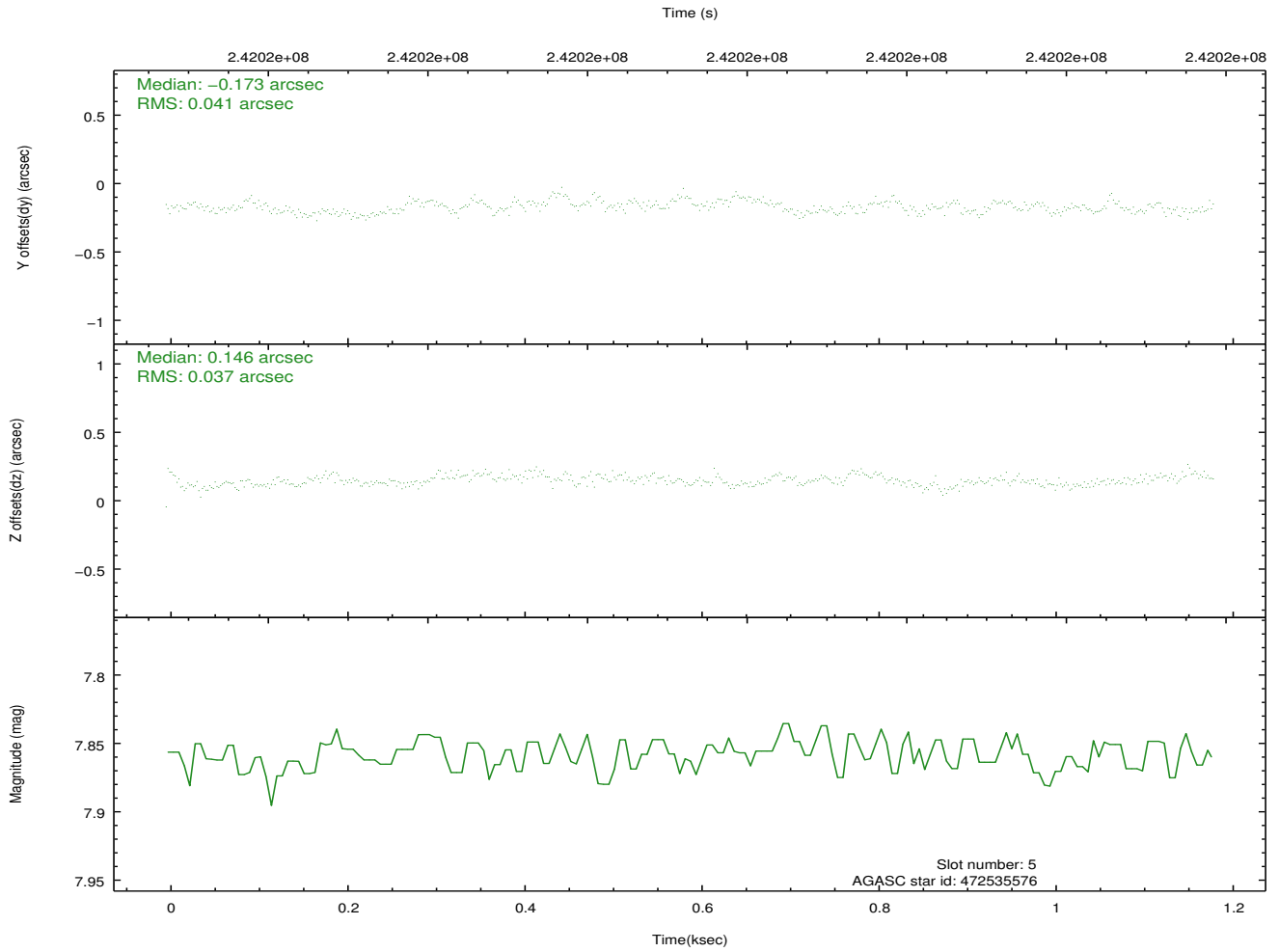
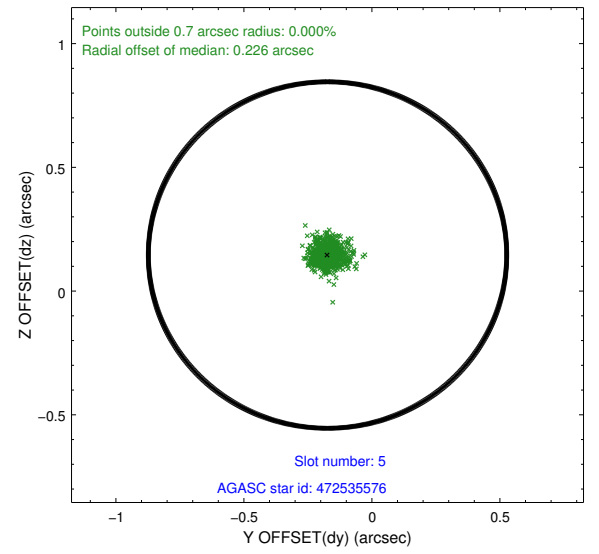
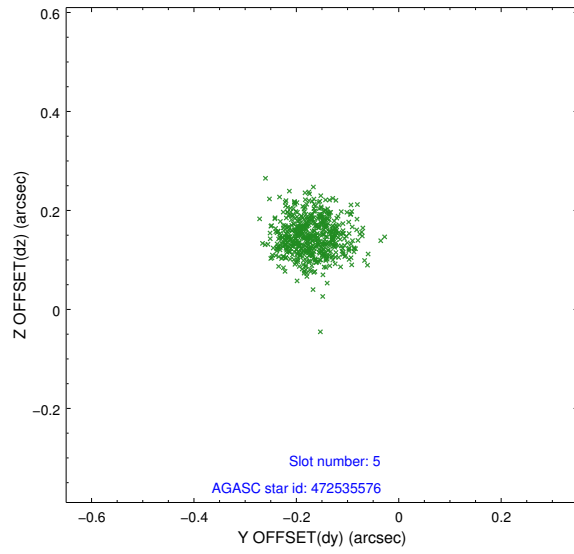
### 2.4.1 Slot 3



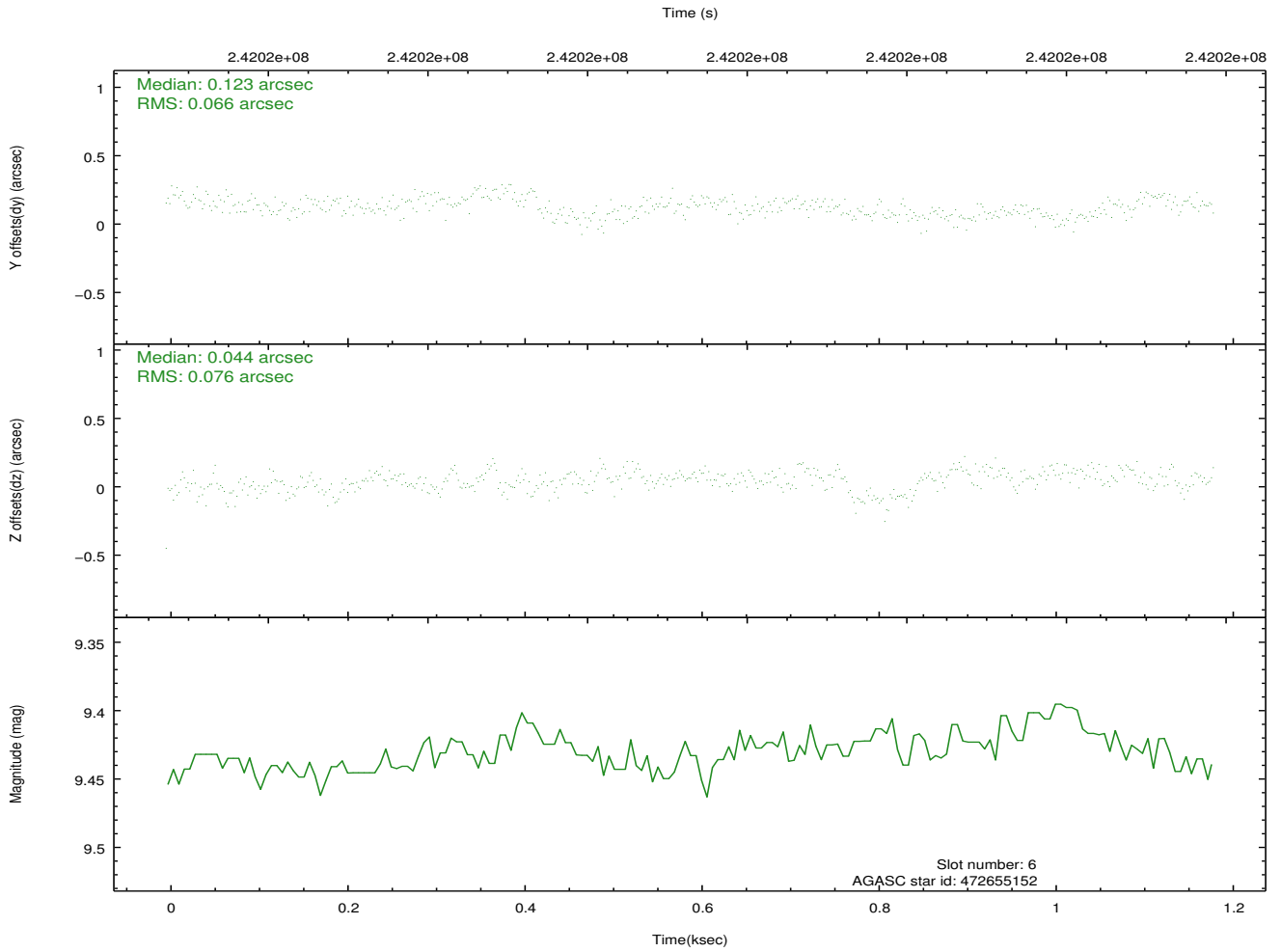
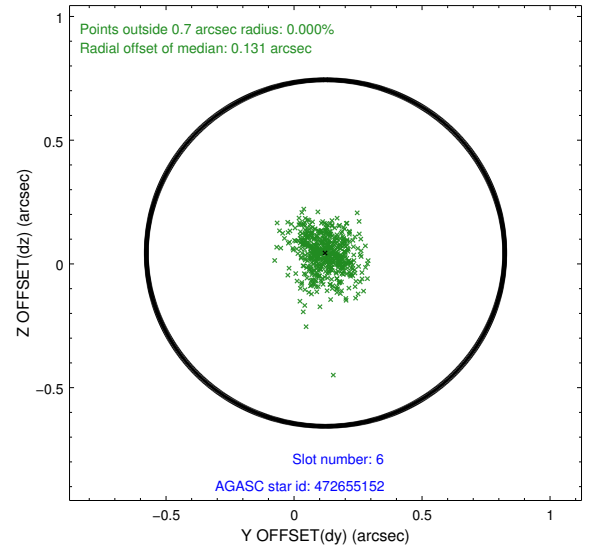
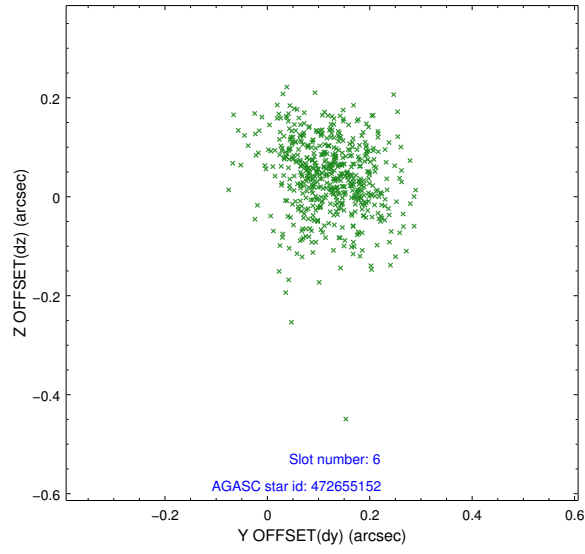
## 2.4.2 Slot 4



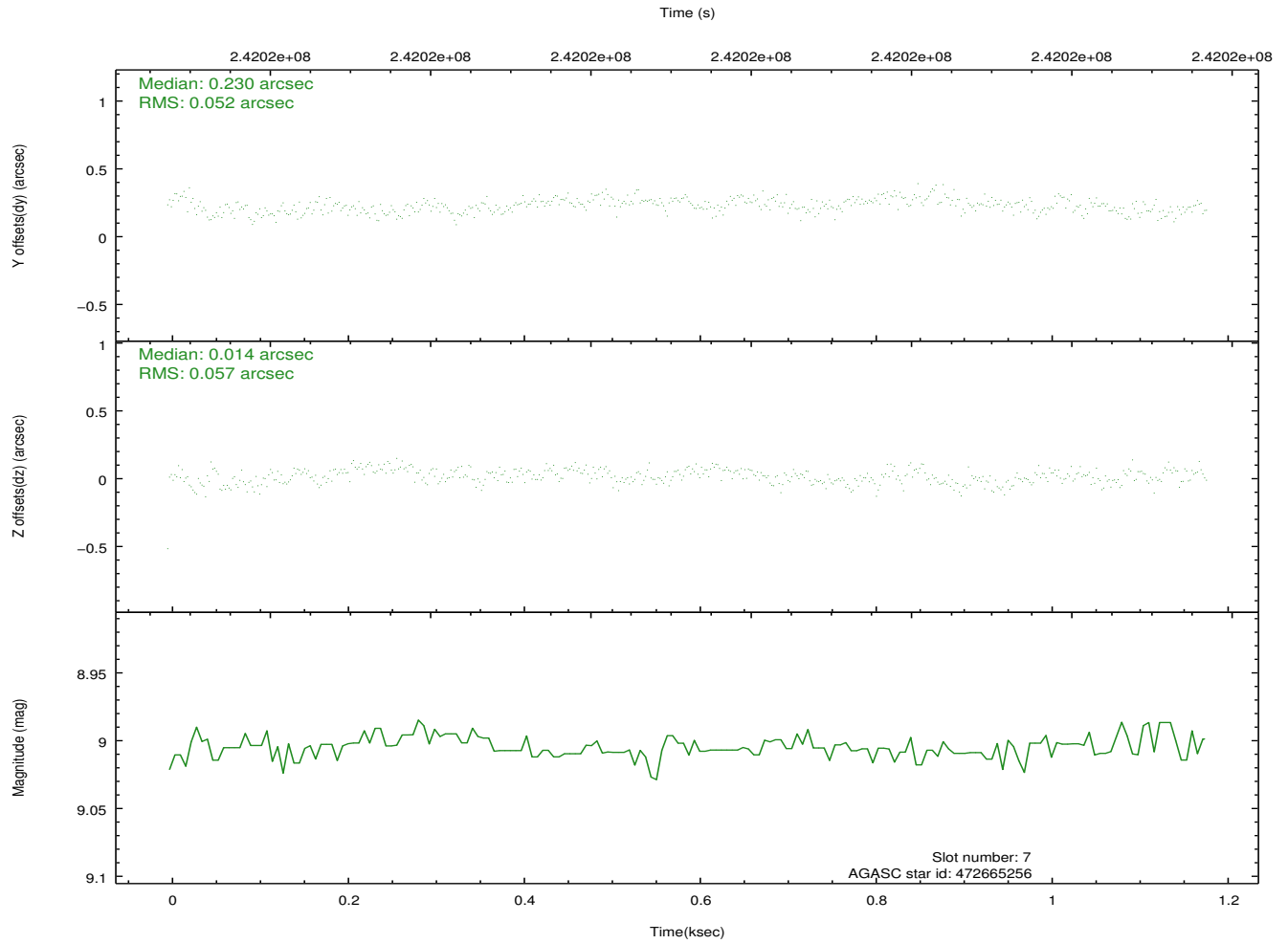
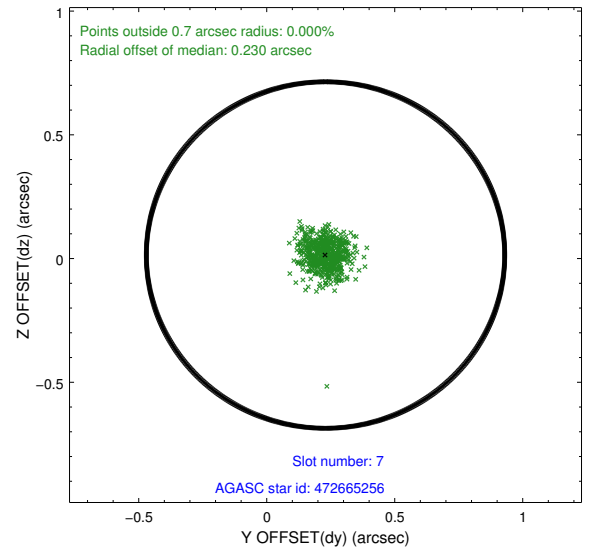
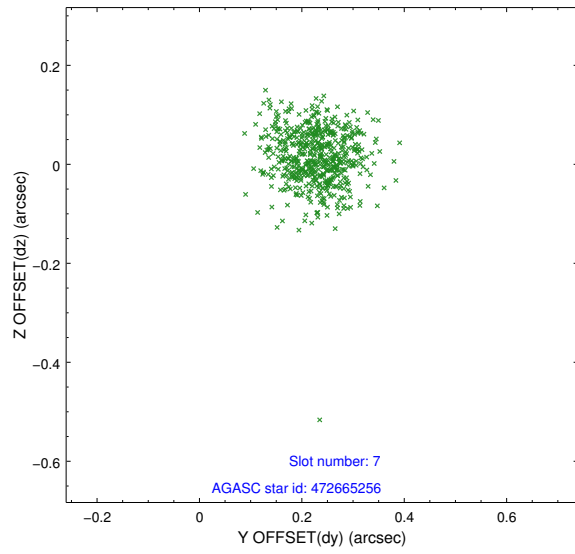
### 2.4.3 Slot 5



## 2.4.4 Slot 6

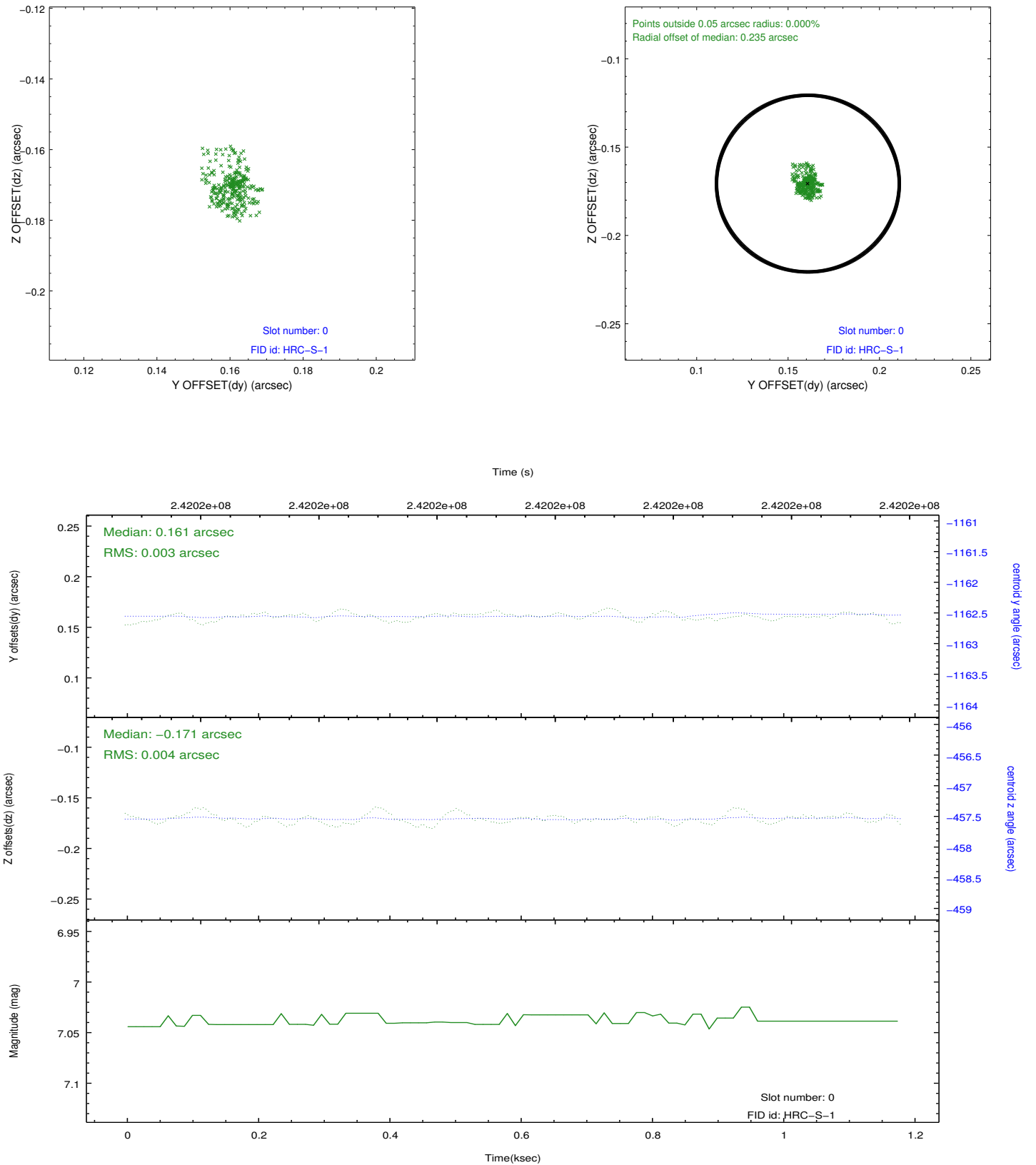


## 2.4.5 Slot 7

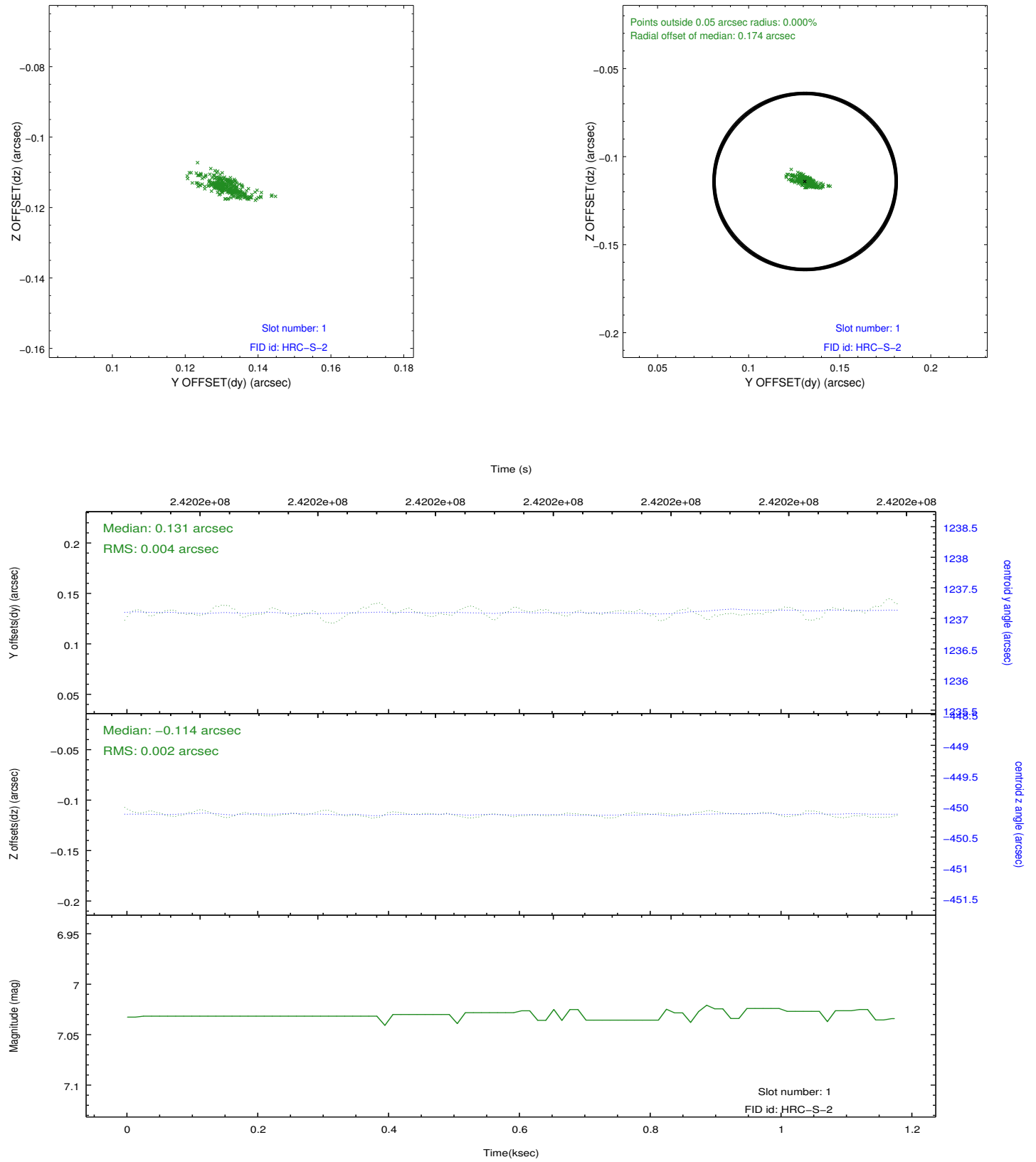


## 2.5 FID Slots

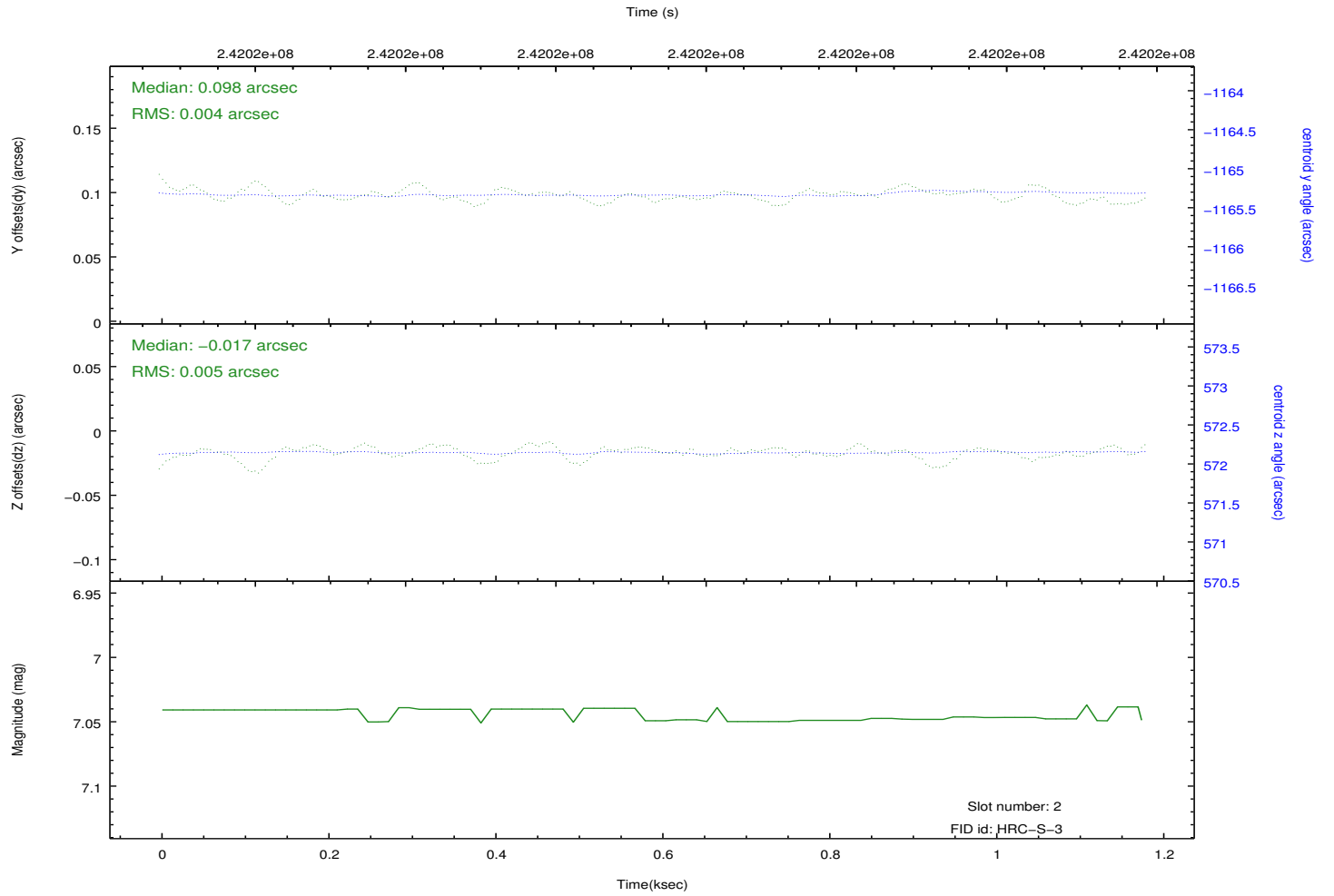
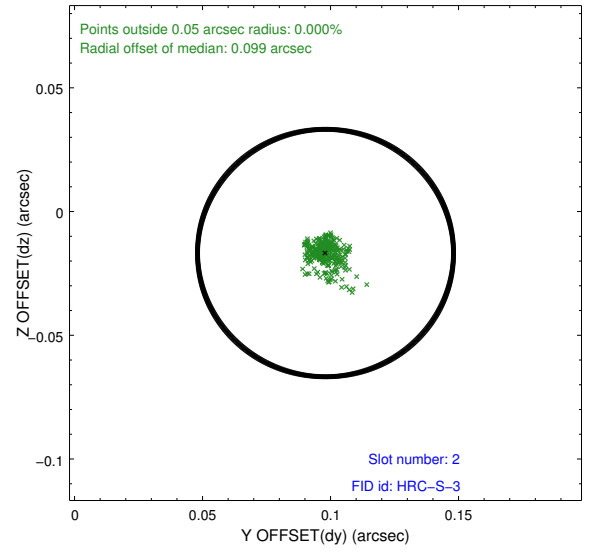
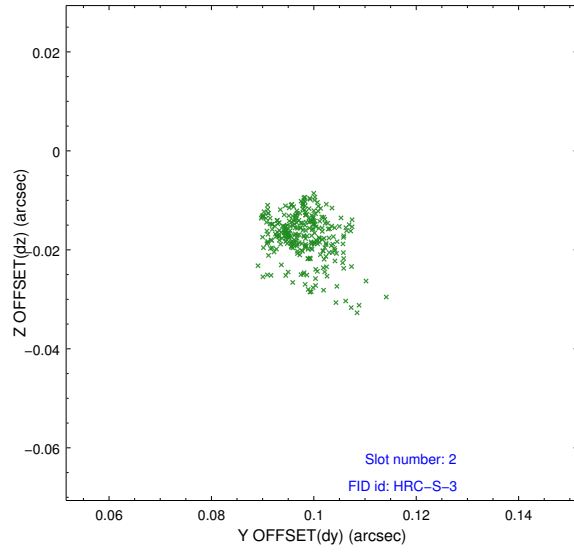
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
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