

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13065 - L2 Version 3  
Chandra X-Ray Center

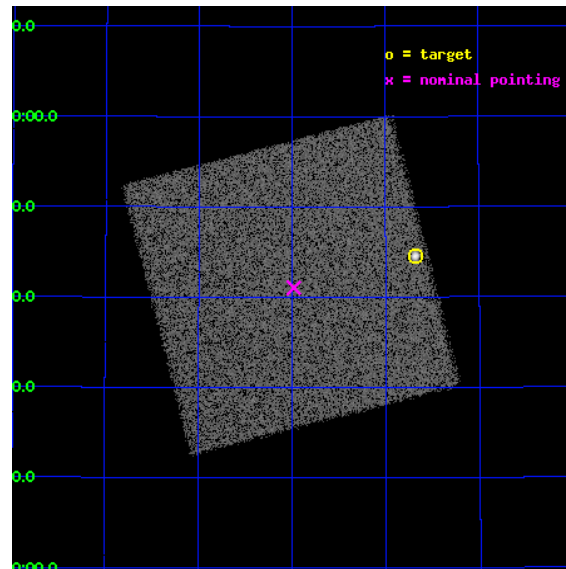
L2 Processing Date : Jul 27 2012

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# 1 Front

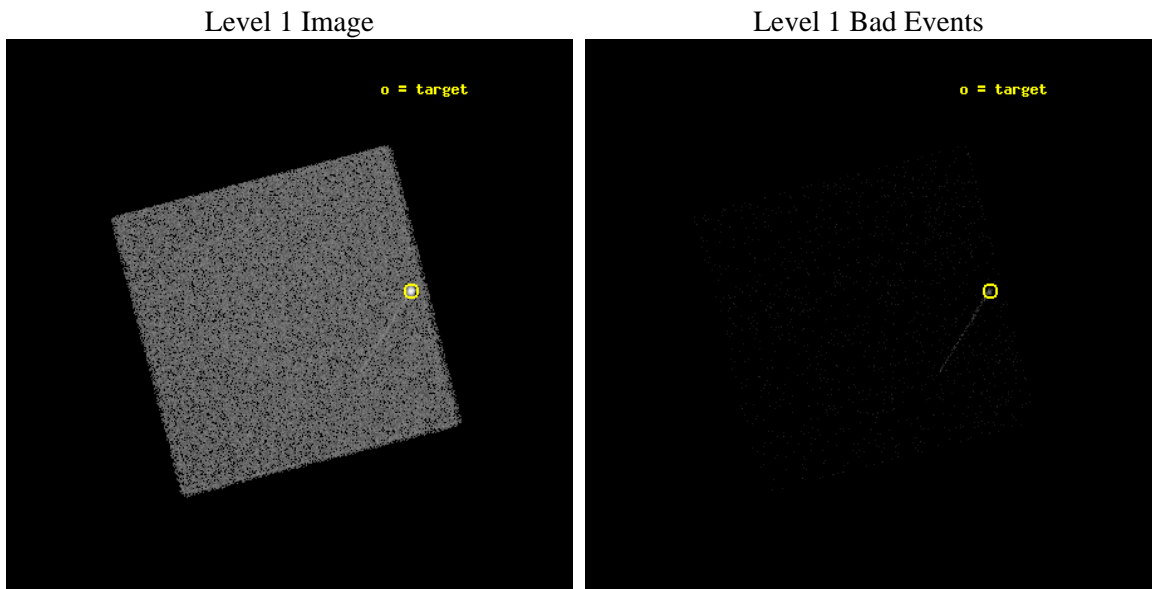
seq_num	290984	Sequence number
obs_id	13065	Observation id
title	AO-12 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.49553055148	Nominal RA [deg]
dec_nom	45.684124798263	Nominal Dec [deg]
roll_nom	210.56090365434	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1184.1313120127	[s]
livetime	1172.8771603989	Ontime multiplied by DTCOR
l2events	81341	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	8.4.5	Processing system revision	ontime	1184.1313120127	[s]
caldbver	4.5.1	&#160	l1events	141987	Number of level 1 events
date	2012-07-28T02:24:53	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

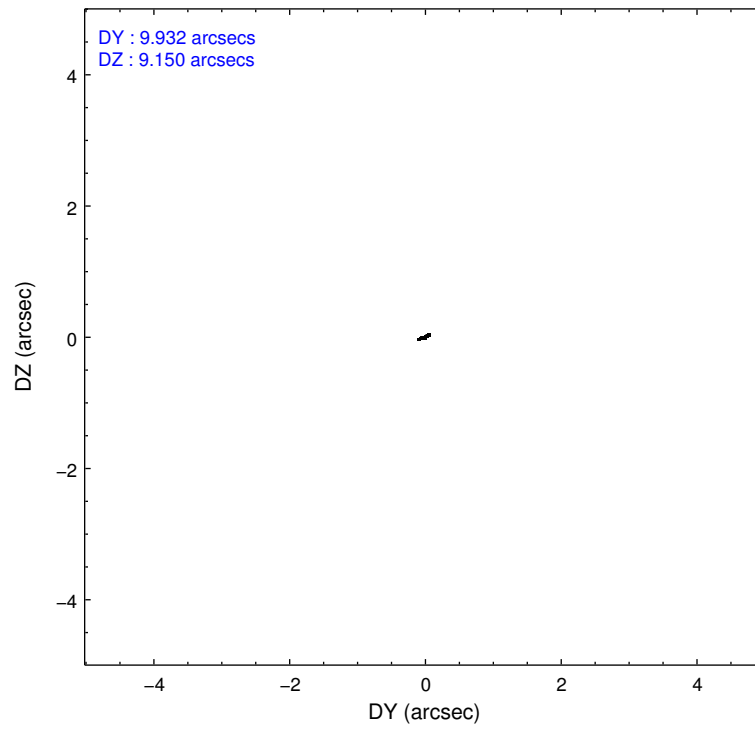
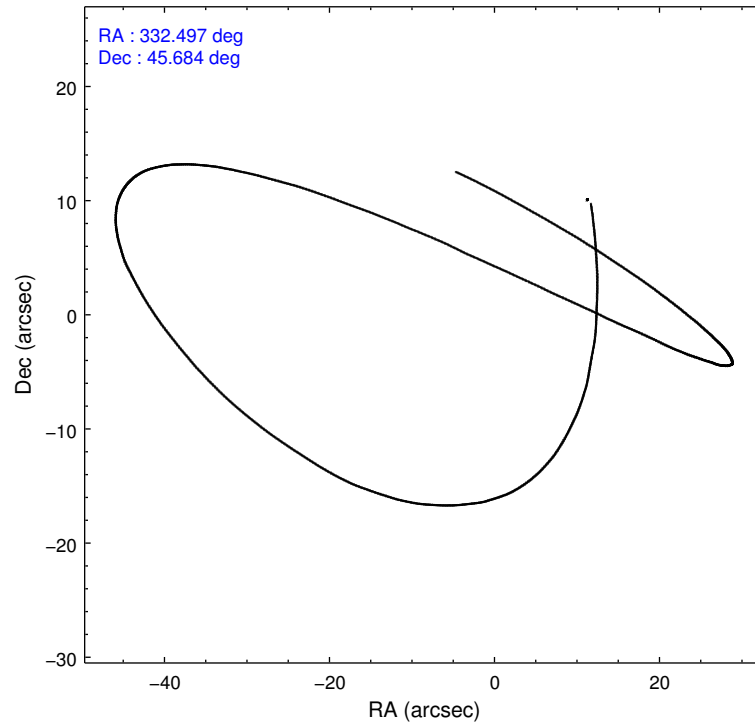
	<b>segment 0</b>
level 1 events	141987
rejected events	30396
rejected %	21%

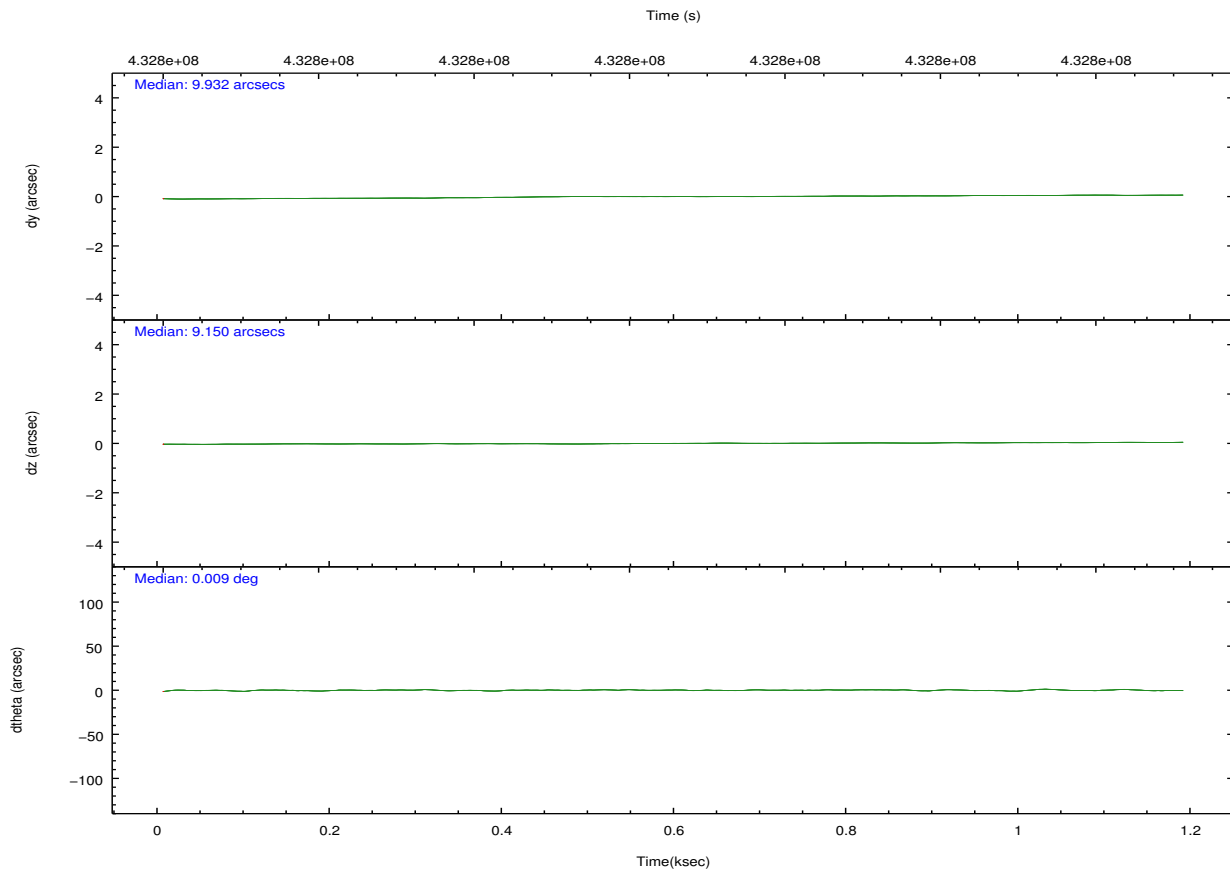
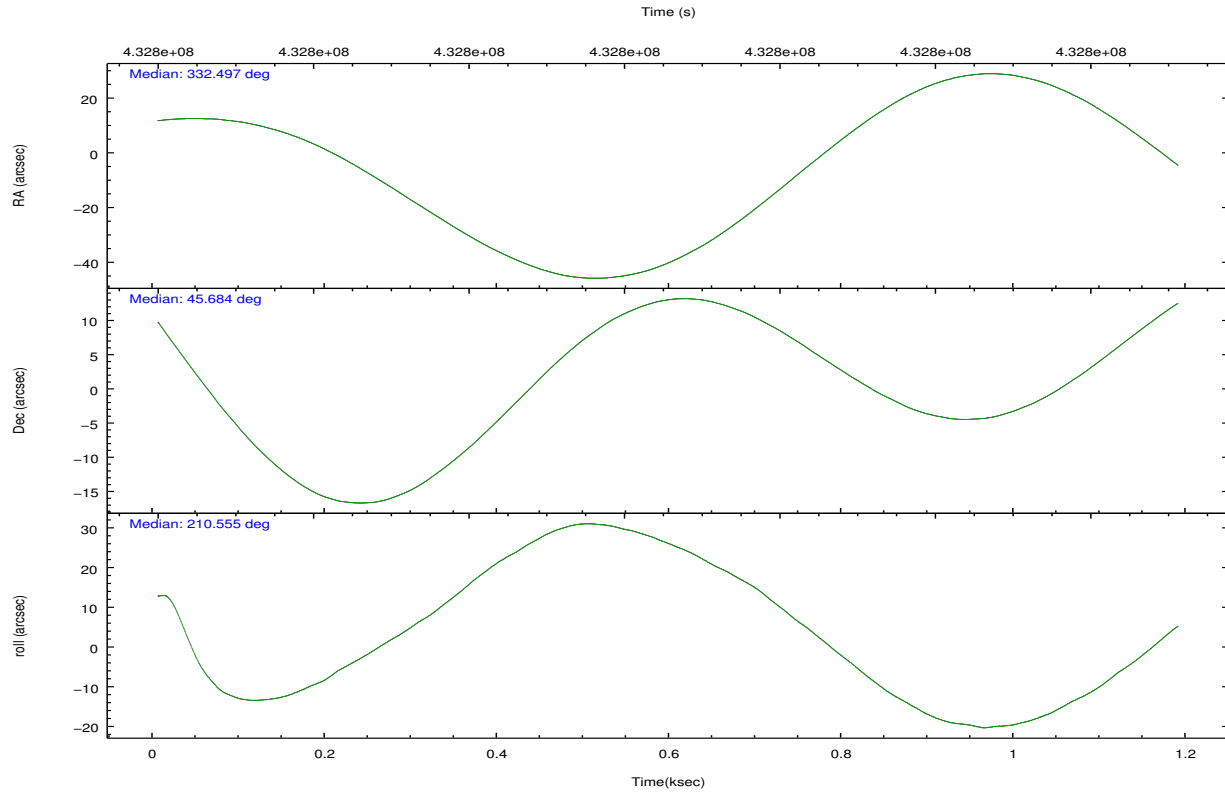
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.512663	332.4955305514848
[deg] Pointing Dec	45.708979	45.68412479826267
[deg] Pointing Roll	210.643844	210.5609036543409
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	432795455.184000	432795079.899
Observation start date	2011-09-19T04:56:29	2011-09-19T04:51:19
[s] Observation end time (MET)	432796455.184000	432796589.72408
Observation end date	2011-09-19T05:13:09	2011-09-19T05:16:29

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

## 2.3 Aspect





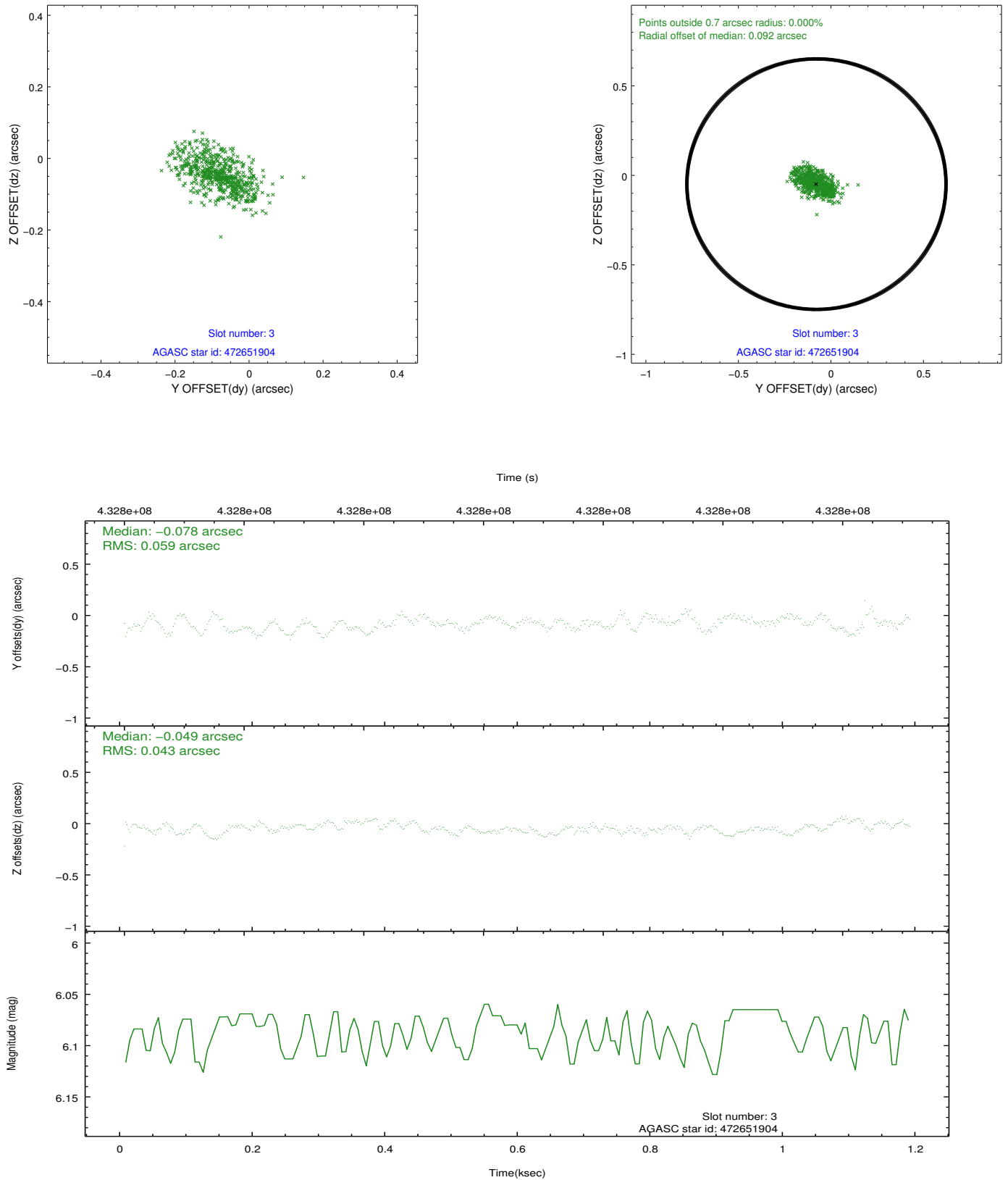
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	290	-0.051	0.022	0.006	0.011	0.000000	0.000000	-765.64	-1297.04
1	FID	HRC-I-2	6.99	290	0.211	-0.133	0.006	0.012	0.000000	0.000000	844.62	-1303.24
2	FID	HRC-I-3	7.04	290	-0.042	0.023	0.006	0.012	0.000000	0.000000	-1191.20	1003.03
3	GUIDE	472651904	6.09	579	-0.078	-0.049	0.079	0.130	332.170077	45.742257	680.15	-548.06
4	GUIDE	472655152	9.43	576	0.113	-0.017	0.104	0.173	332.504239	45.862991	-261.66	-492.58
5	GUIDE	472665256	9.00	575	0.112	-0.039	0.090	0.146	332.808125	46.195041	-1524.77	-1136.43
6	GUIDE	472654568	9.41	579	-0.044	0.065	0.098	0.173	332.194449	45.063576	1878.30	1579.57
7	GUIDE	472659736	9.38	578	-0.109	0.045	0.111	0.170	332.848312	46.590160	-2327.58	-2308.91

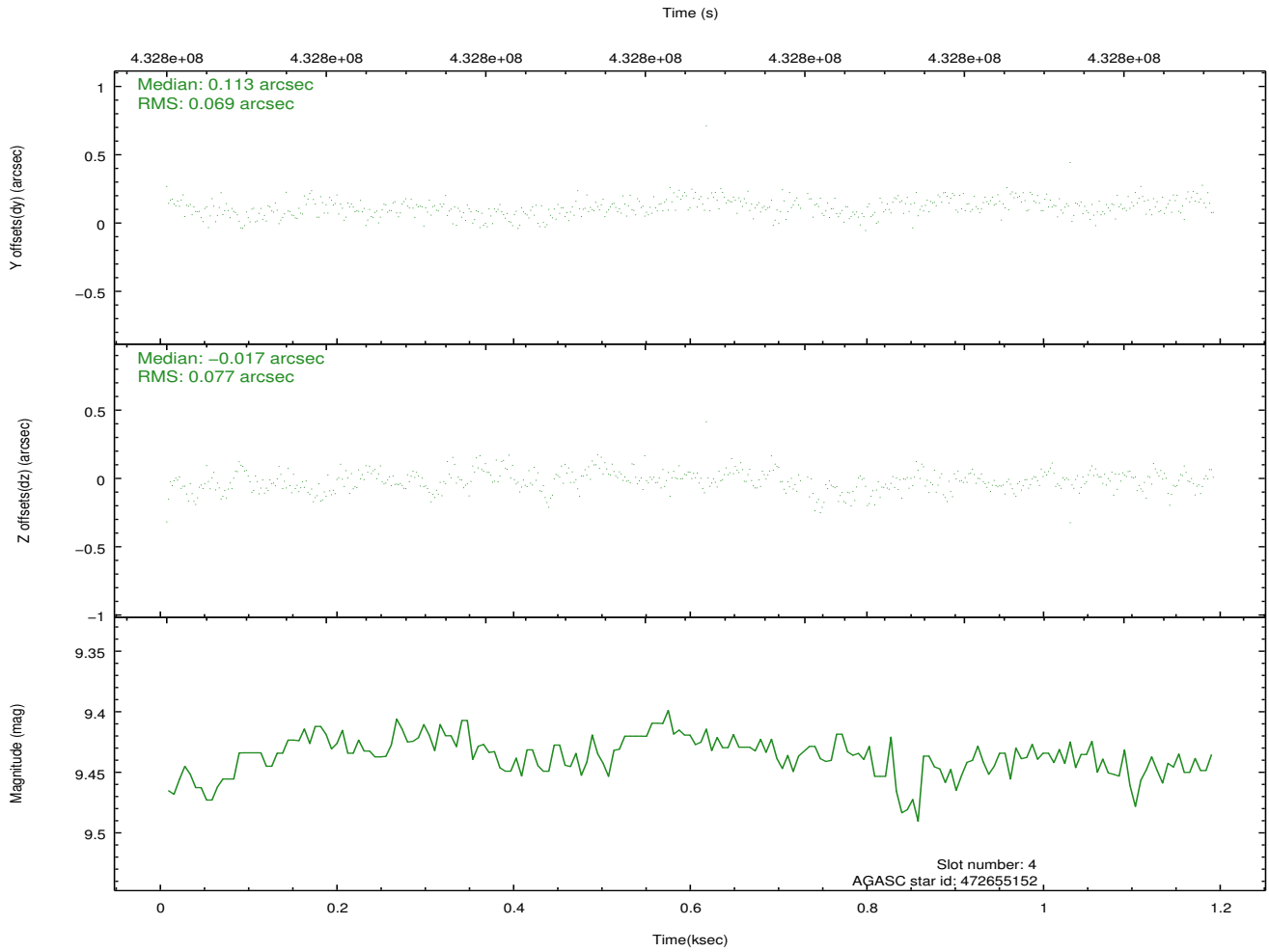
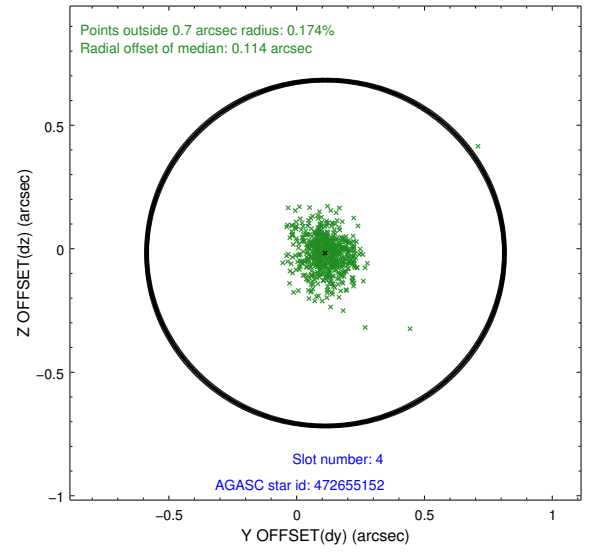
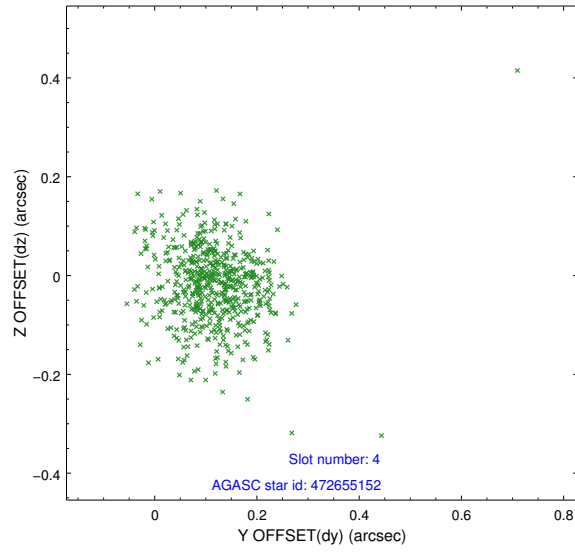


## 2.4 Star Slots

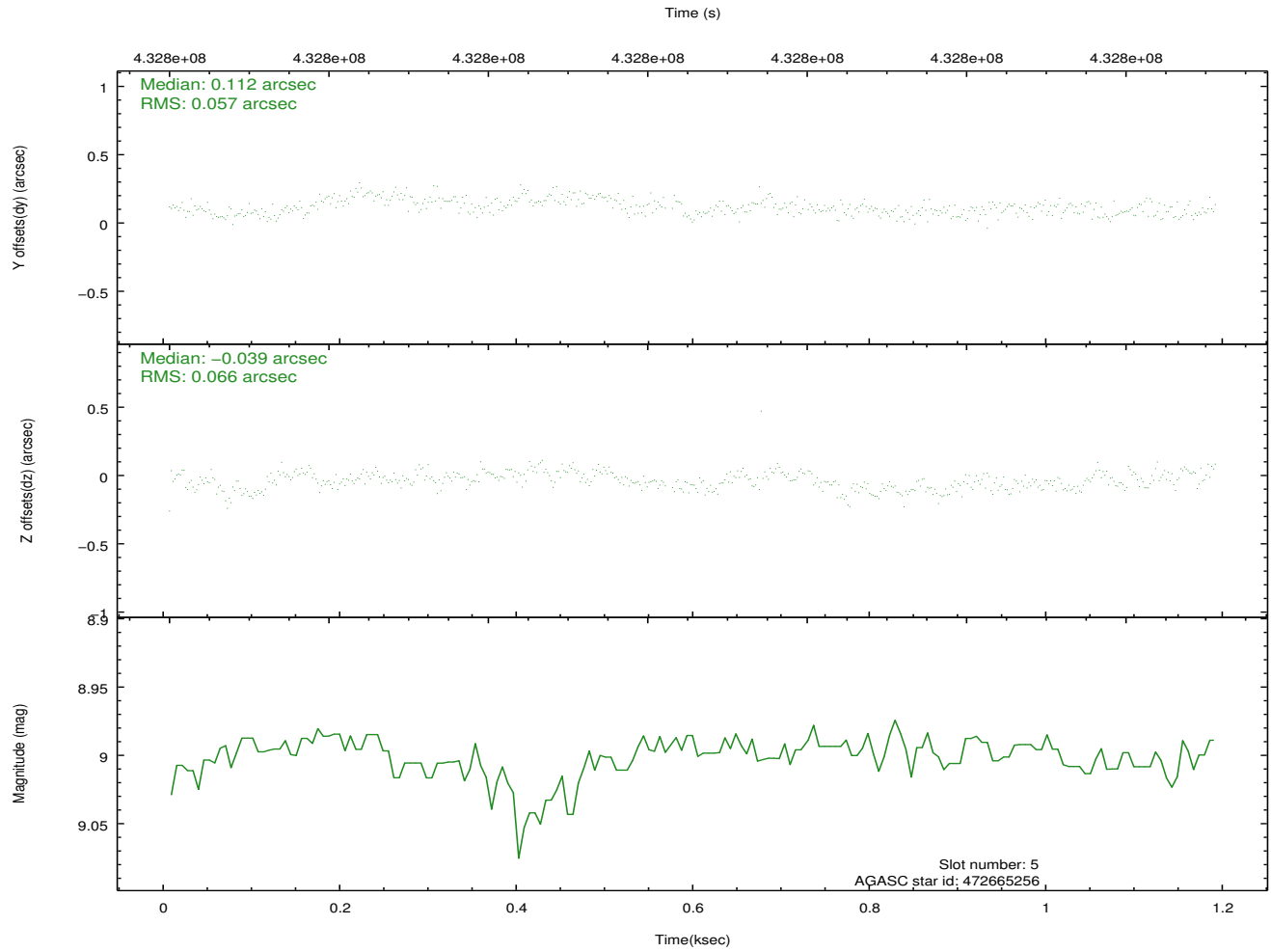
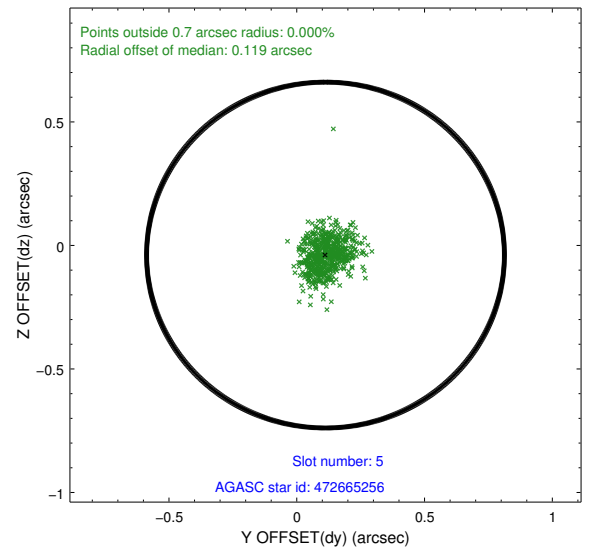
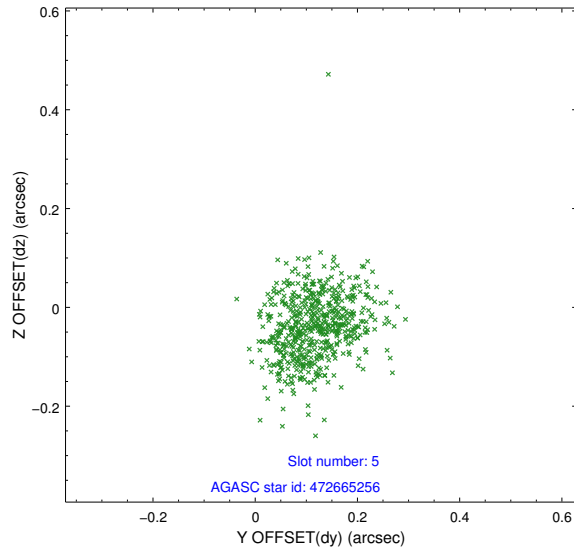
### 2.4.1 Slot 3



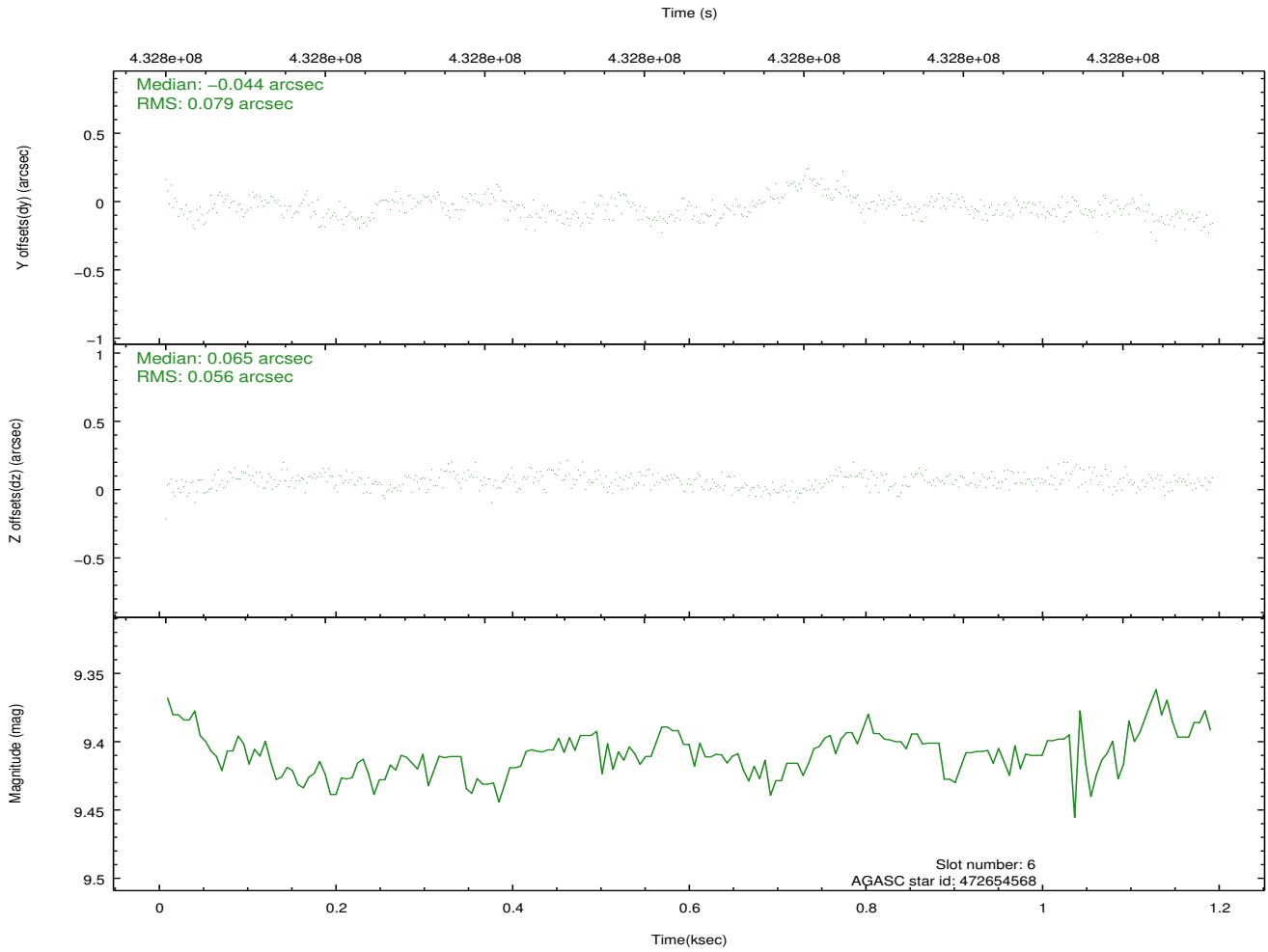
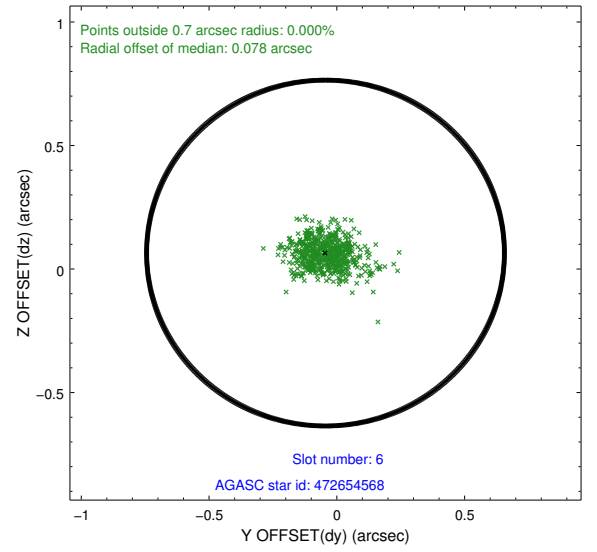
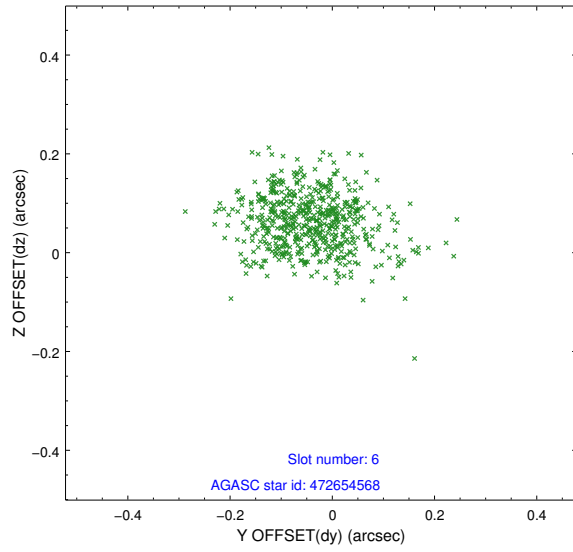
## 2.4.2 Slot 4



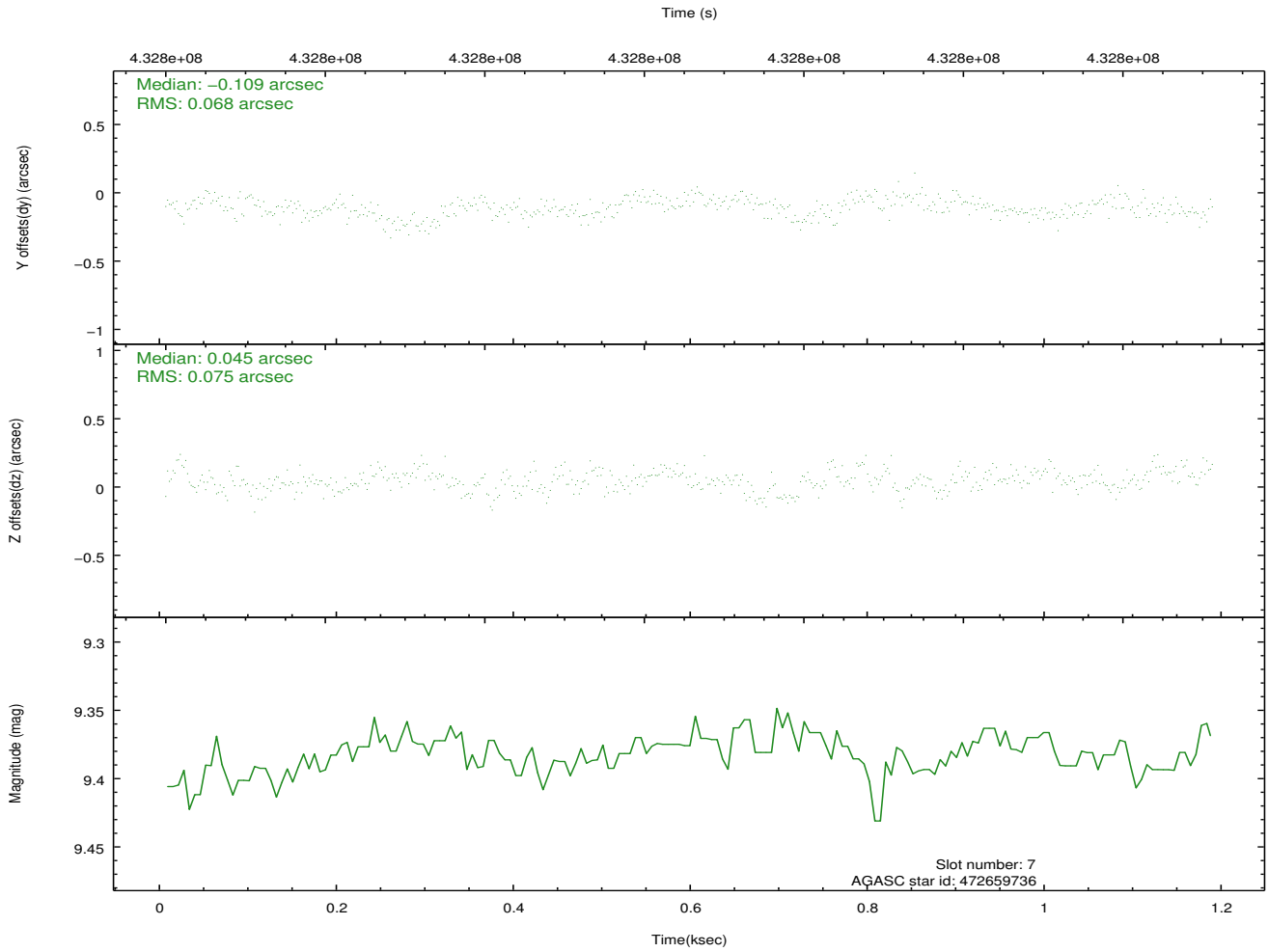
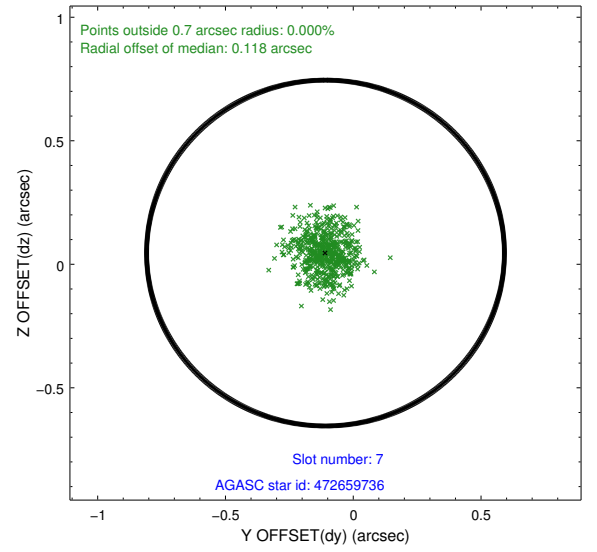
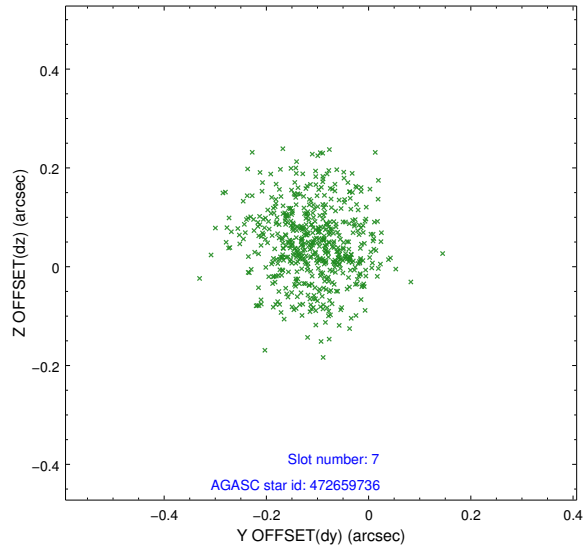
### 2.4.3 Slot 5



## 2.4.4 Slot 6

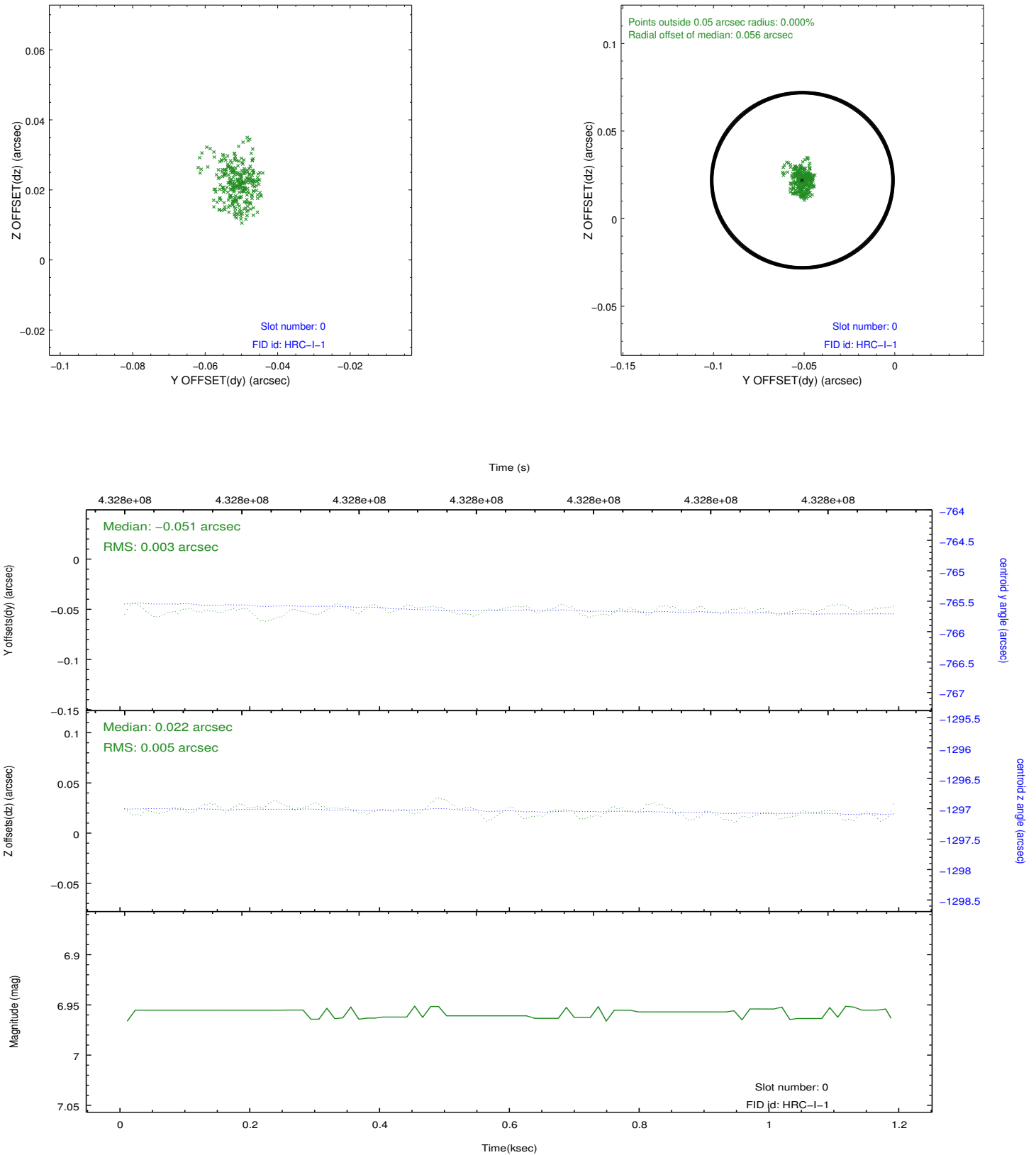


## 2.4.5 Slot 7

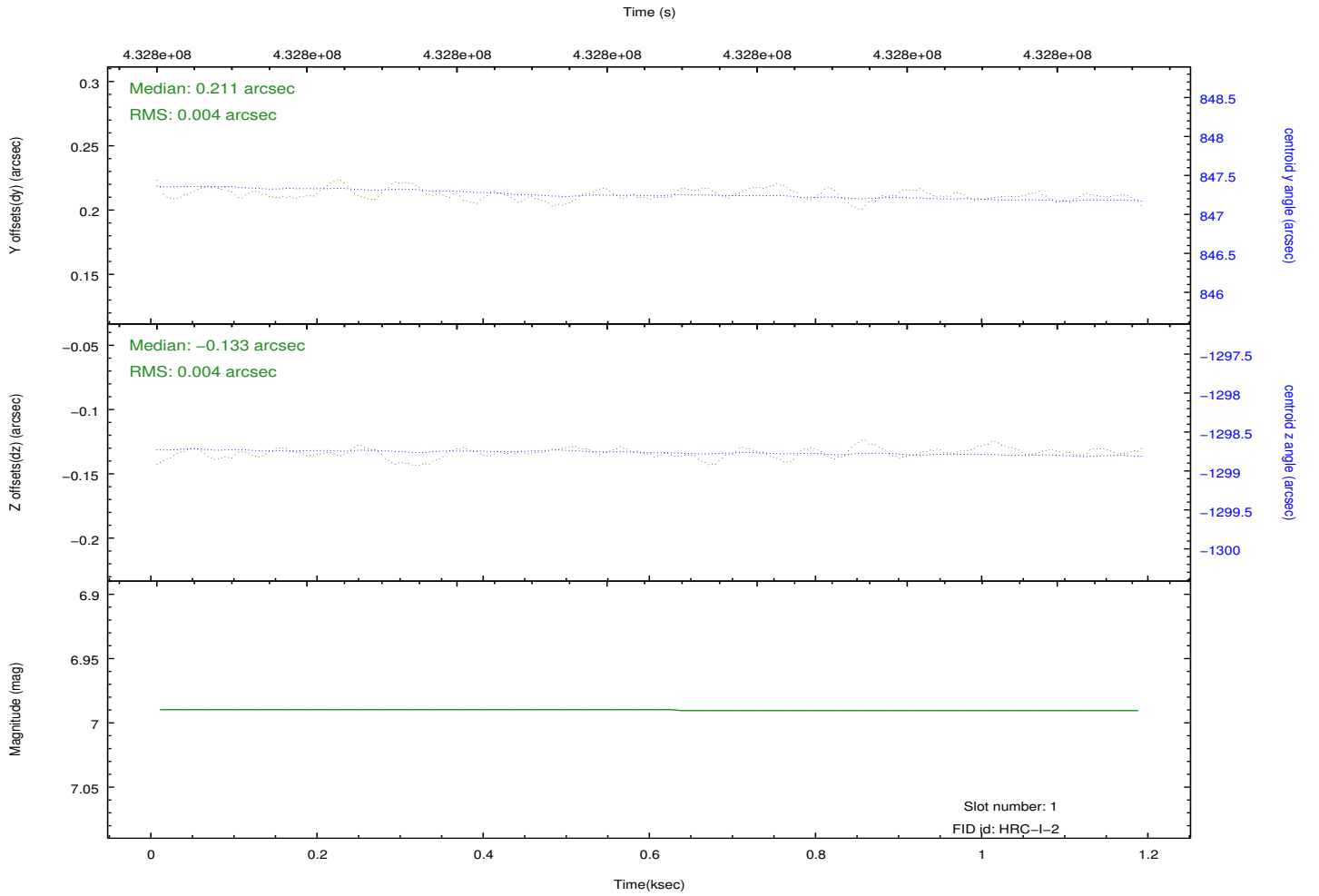
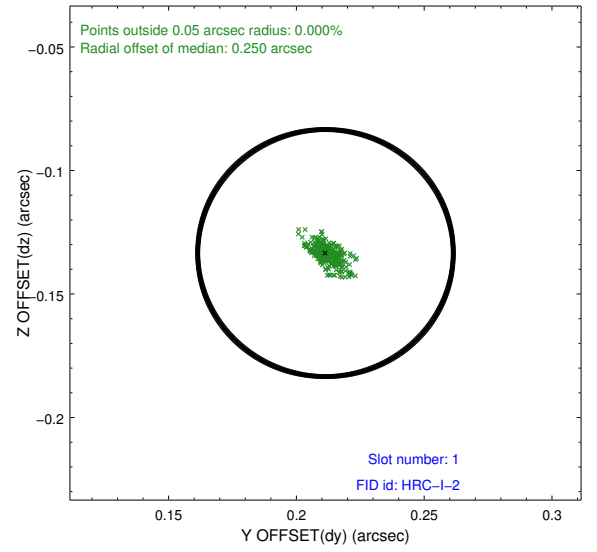
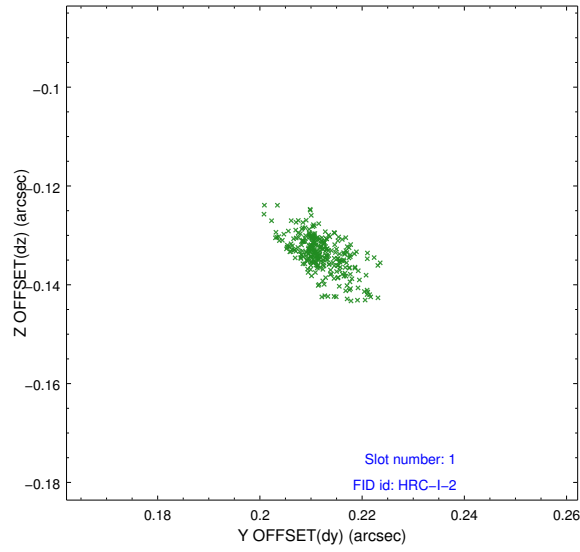


## 2.5 FID Slots

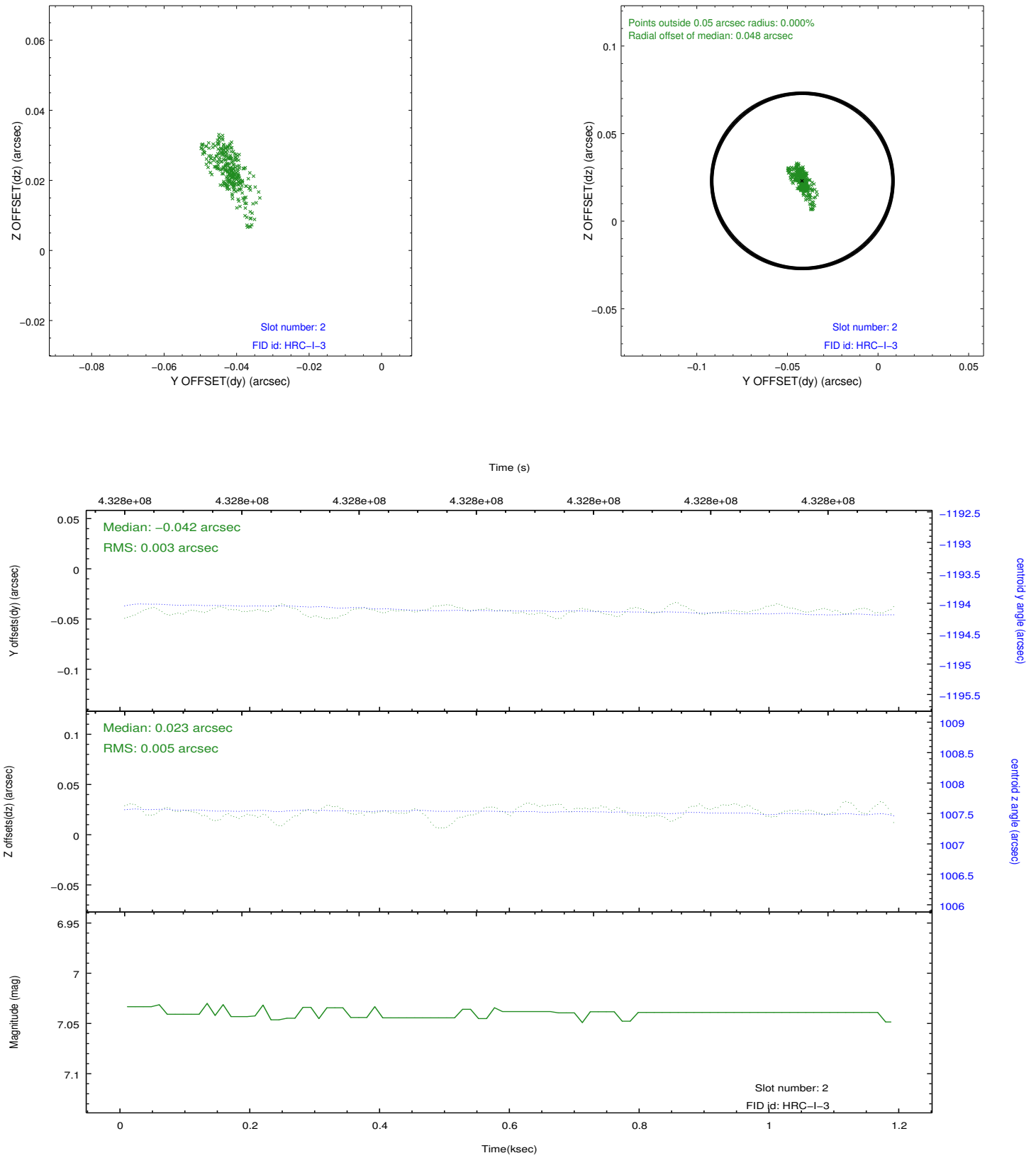
### 2.5.1 Slot 0



## 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)	2012.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1841313120723

### A.2 Comments