

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8338 - L2 Version 3  
Chandra X-Ray Center

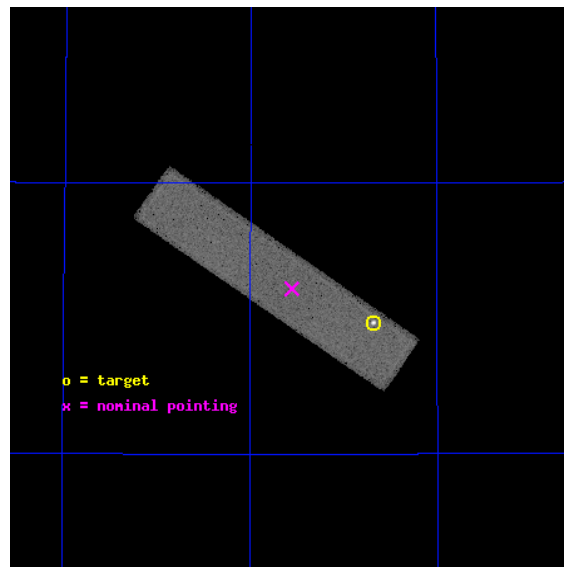
L2 Processing Date : Aug 12 2012

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# 1 Front

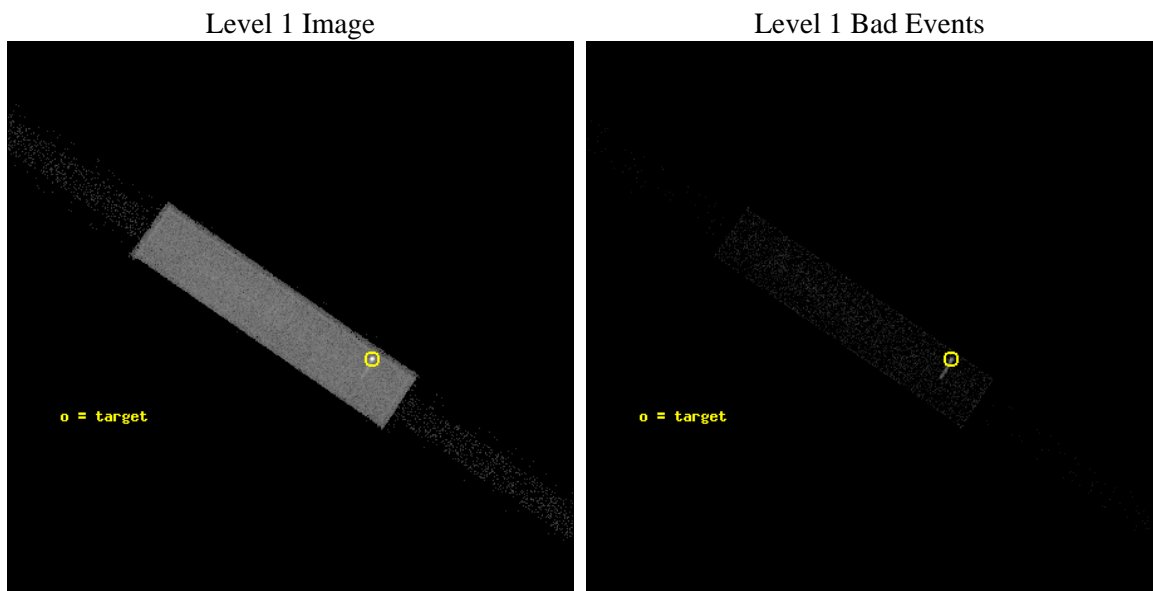
seq_num	290717	Sequence number
obs_id	8338	Observation id
title	AO8 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.38879225337	Nominal RA [deg]
dec_nom	45.805265683877	Nominal Dec [deg]
roll_nom	214.31834909547	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1151.3313054442	[s]
livetime	1140.3310959577	Ontime multiplied by DTCOR
l2events	79999	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	1151.3313054442	[s]
caldbver	4.5.1.1	&#160	l1events	125359	Number of level 1 events
date	2012-08-12T04:28:34	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

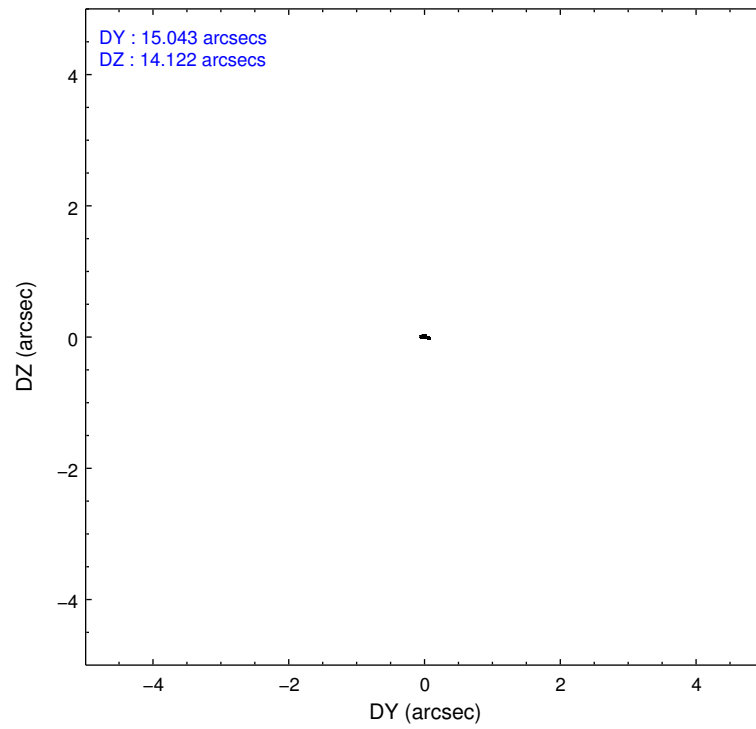
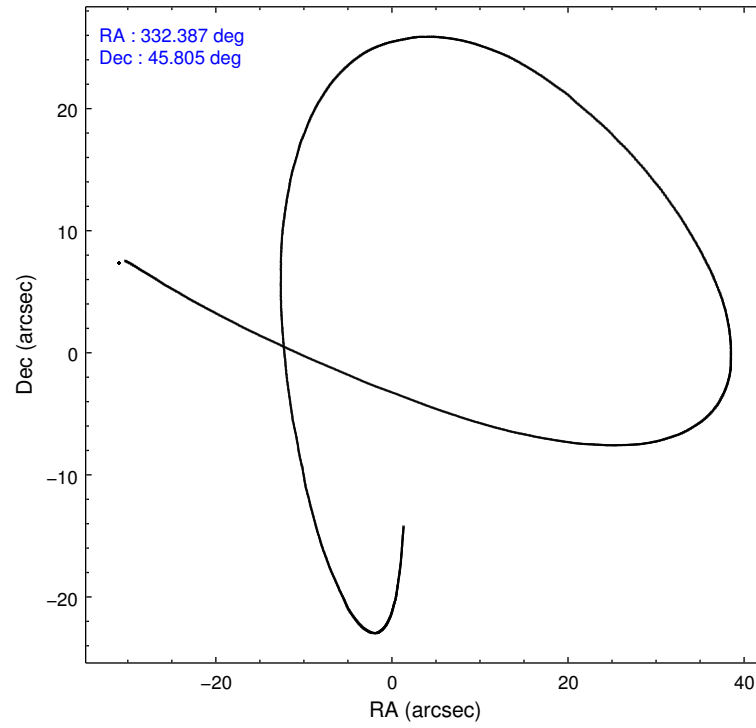
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1212	122993	1154
rejected events	1212	28700	1154
rejected %	100%	23%	100%

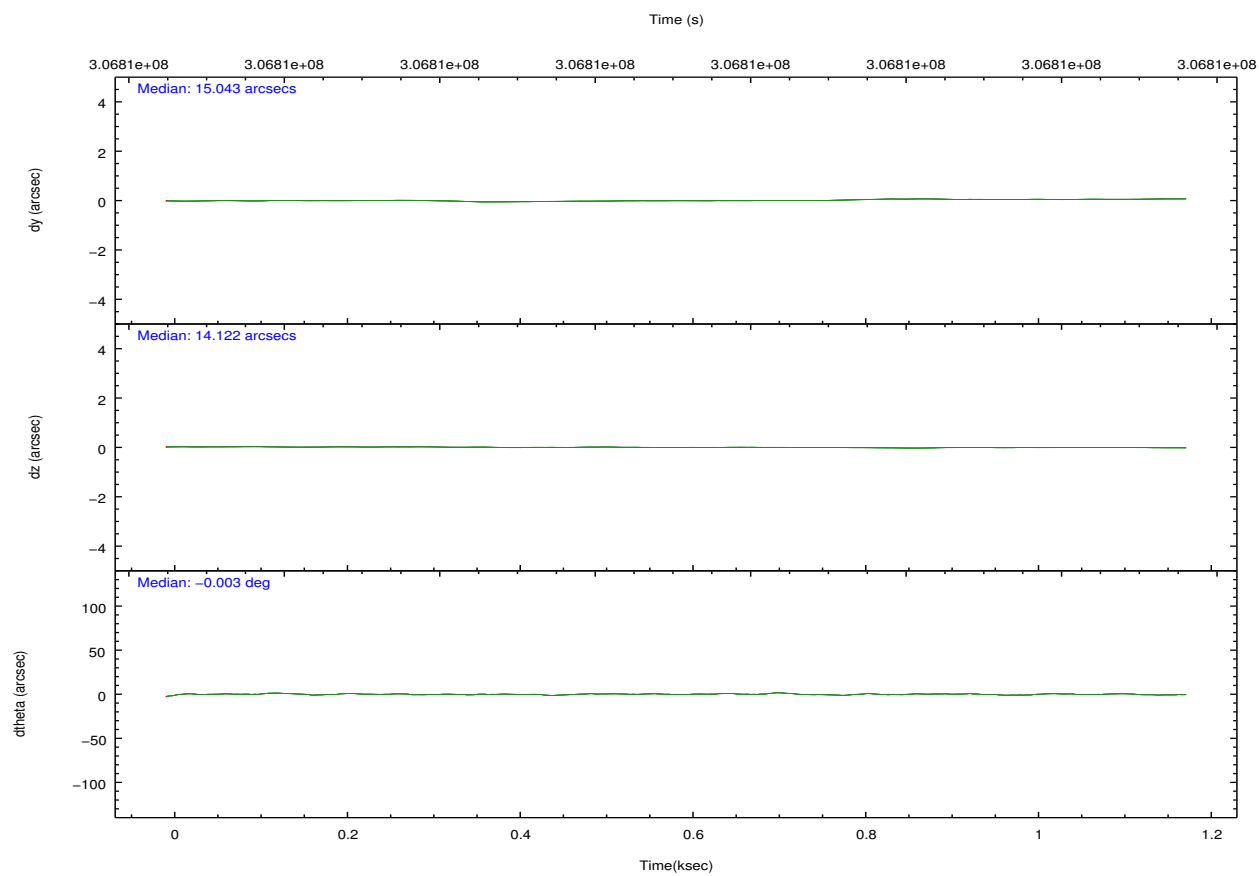
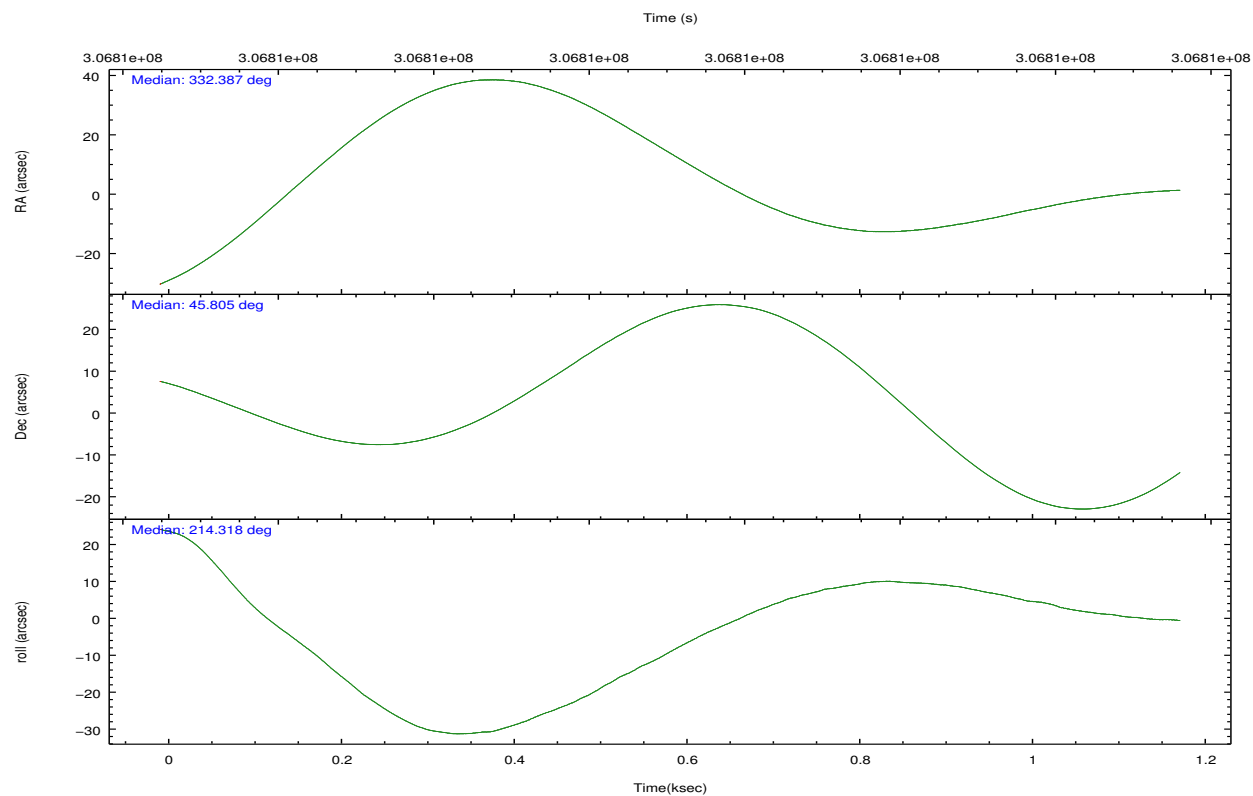
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.404570	332.3887922533658
[deg] Pointing Dec	45.832590	45.80526568387684
[deg] Pointing Roll	214.239664	214.3183490954667
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	306811883.184000	306811507.75683
Observation start date	2007-09-22T01:30:18	2007-09-22T01:25:07
[s] Observation end time (MET)	306812883.184000	306813017.58191
Observation end date	2007-09-22T01:46:58	2007-09-22T01:50:17

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

## 2.3 Aspect





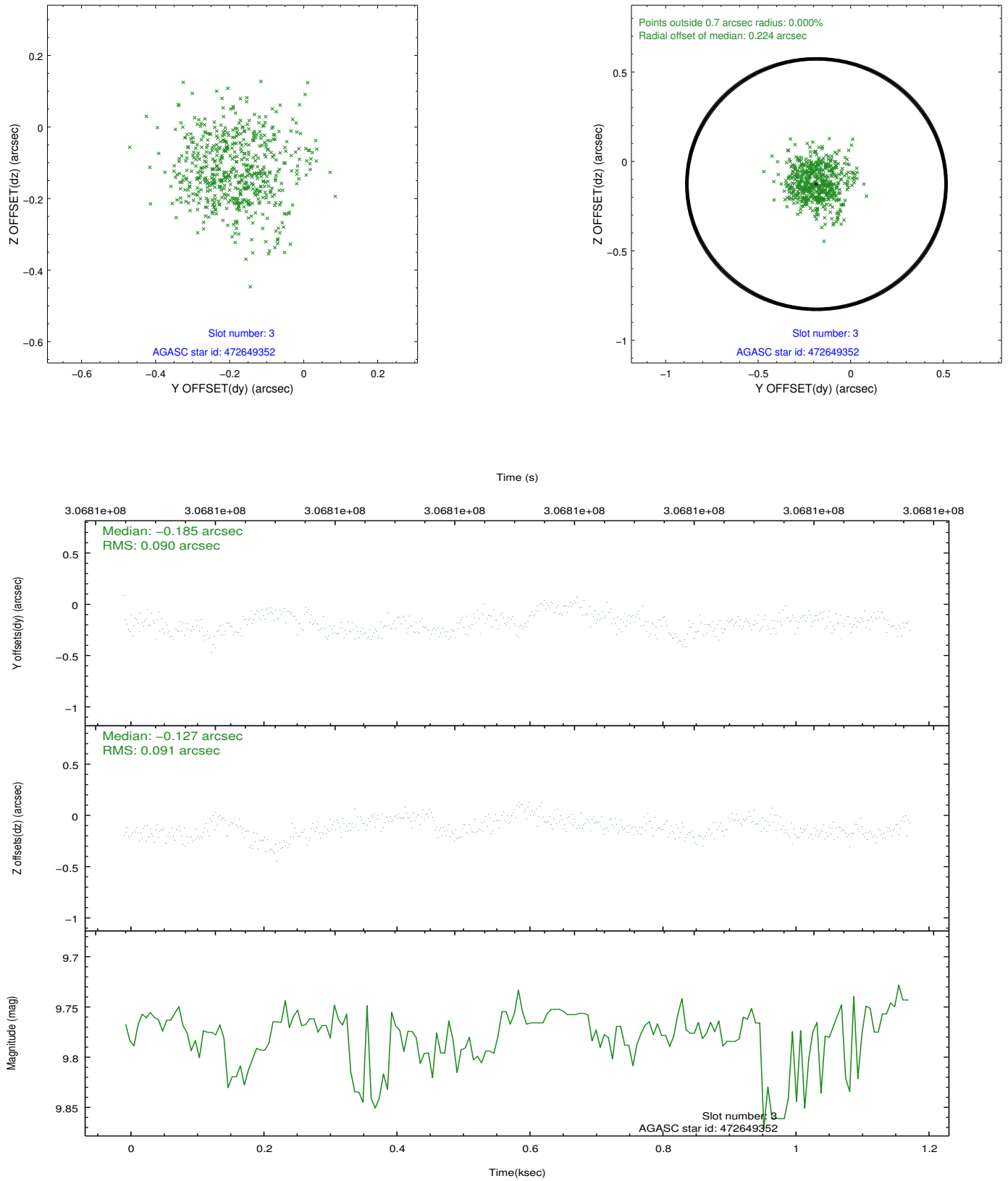
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.07	288	0.091	-0.219	0.008	0.013	0.000000	0.000000	-1169.44	-463.00
1	FID	HRC-S-2	7.05	289	0.181	-0.105	0.005	0.010	0.000000	0.000000	1226.26	-457.15
2	FID	HRC-S-3	7.06	289	0.118	0.023	0.007	0.012	0.000000	0.000000	-1167.88	565.18
3	GUIDE	472649352	9.77	577	-0.185	-0.127	0.134	0.224	332.034169	45.325407	1799.95	977.50
4	GUIDE	472654568	9.42	575	-0.012	0.092	0.098	0.163	332.194449	45.063576	2001.12	1986.77
5	GUIDE	472655152	9.43	576	0.103	-0.196	0.116	0.216	332.504239	45.862991	-265.68	50.71
6	GUIDE	472663080	9.42	575	0.071	0.113	0.102	0.174	332.652741	46.473840	-1809.47	-1565.43
7	GUIDE	472665256	9.00	576	0.030	0.099	0.090	0.142	332.808125	46.195041	-1571.03	-520.20

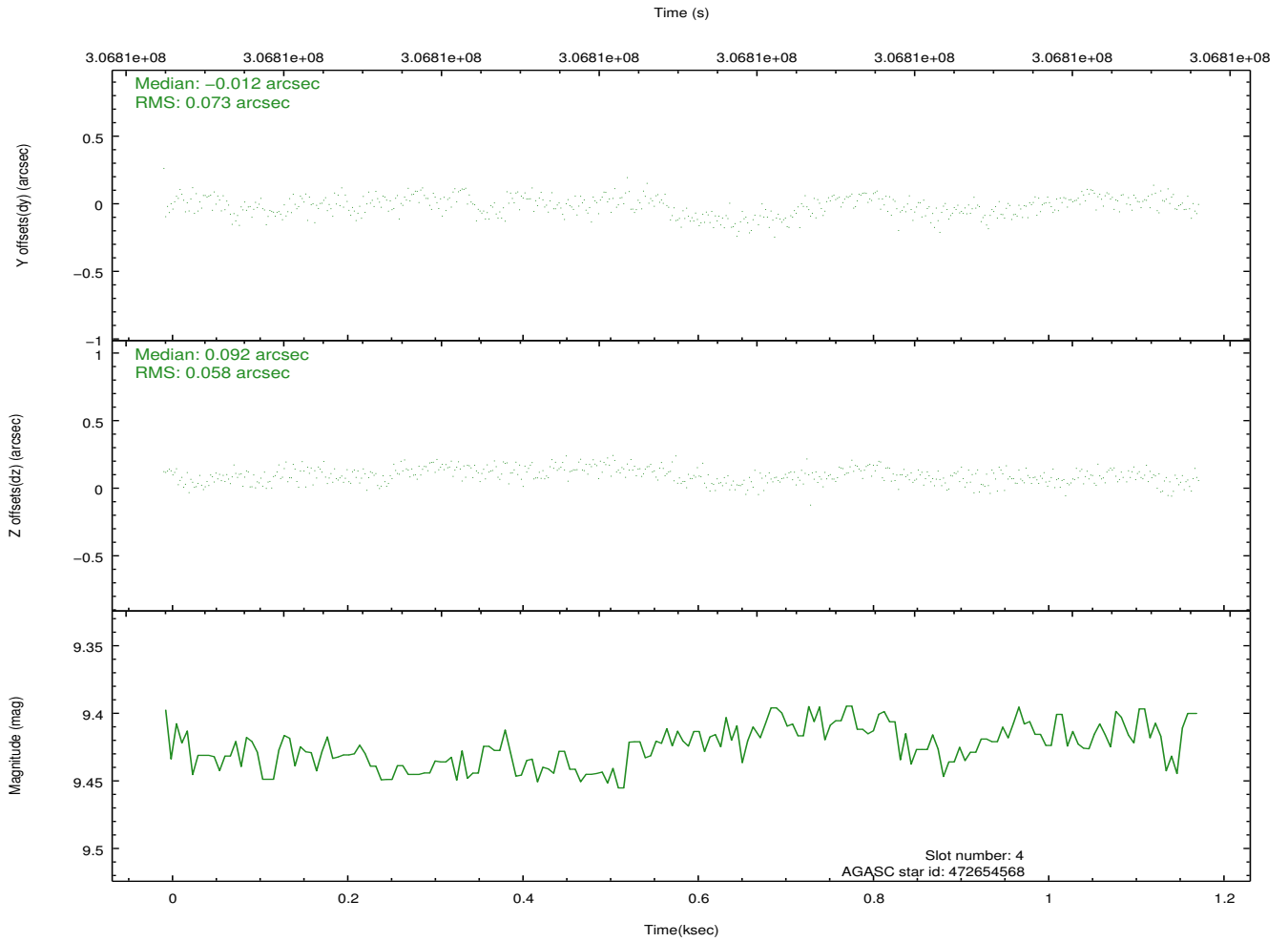
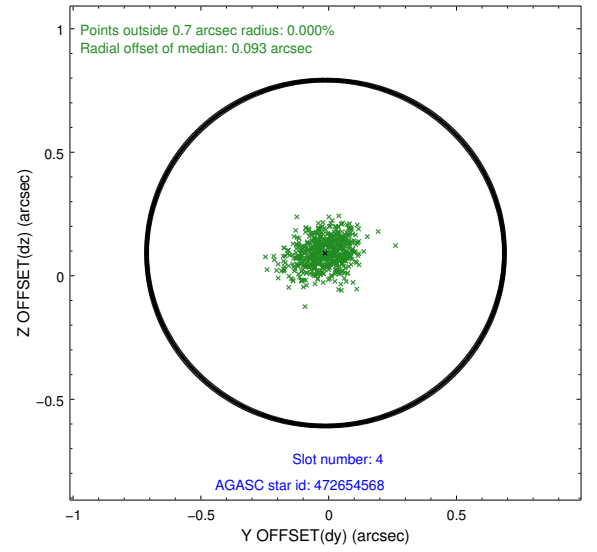
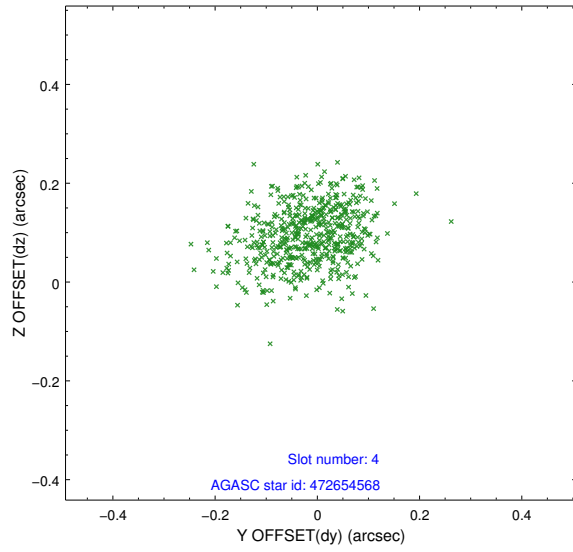


## 2.4 Star Slots

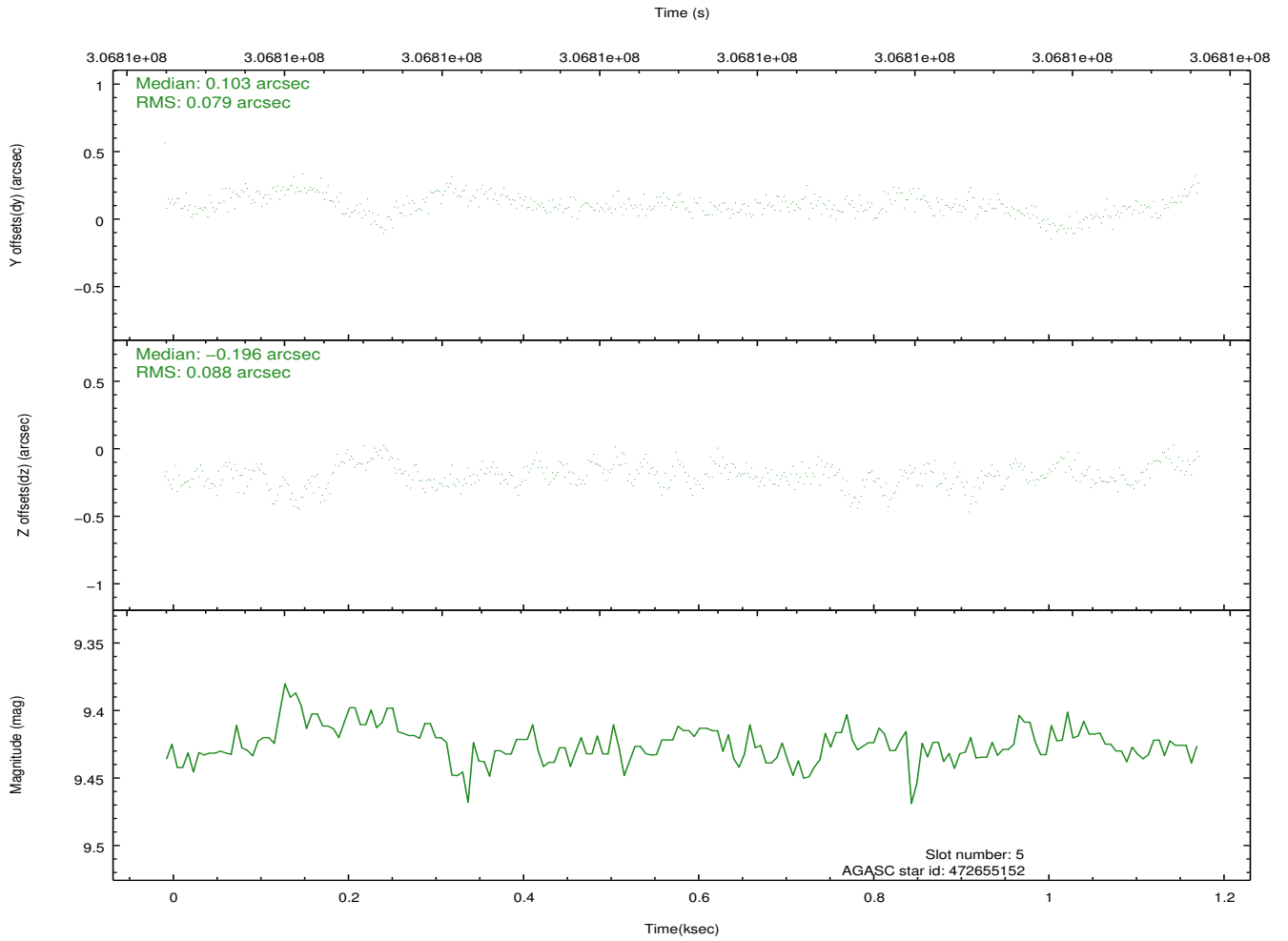
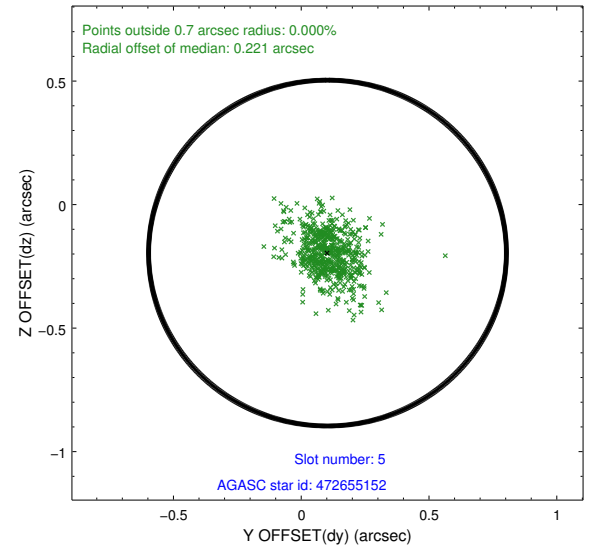
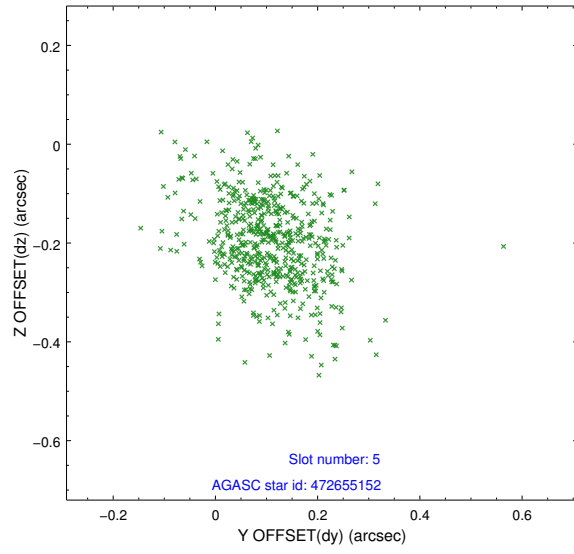
### 2.4.1 Slot 3



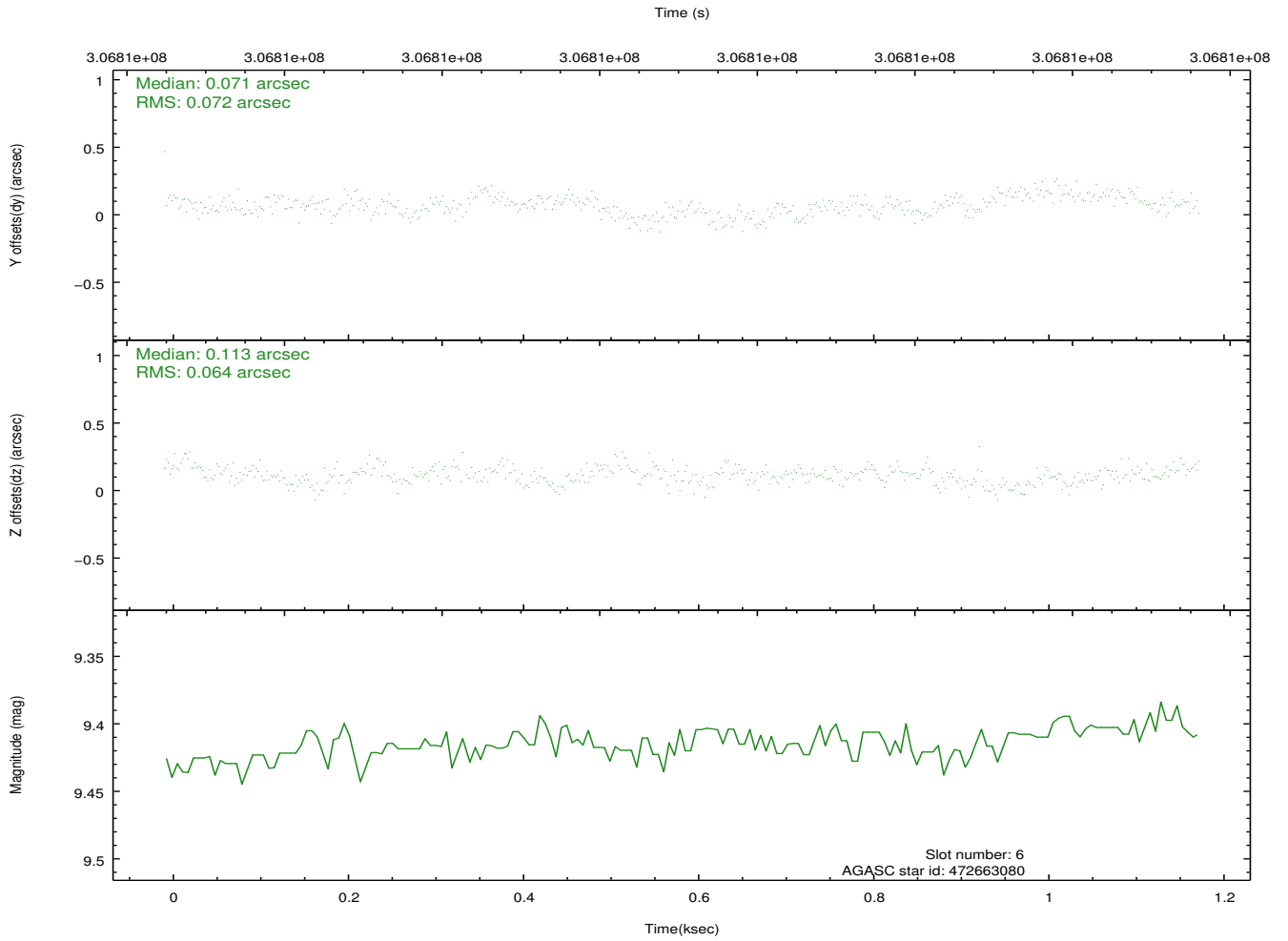
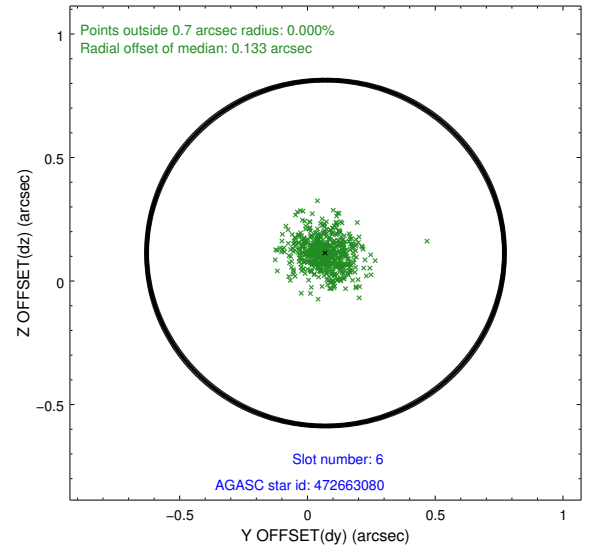
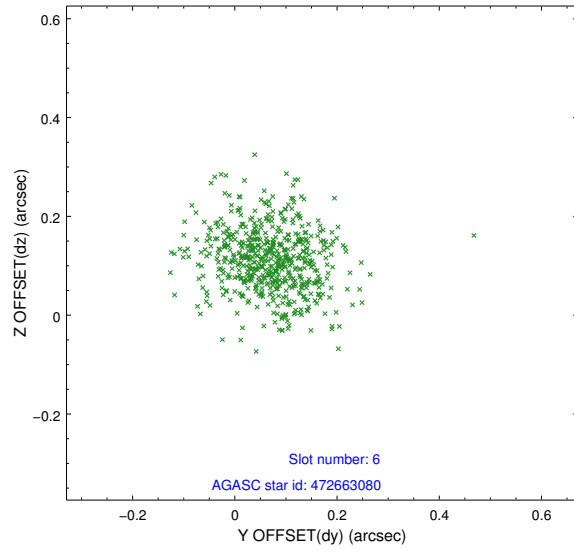
## 2.4.2 Slot 4



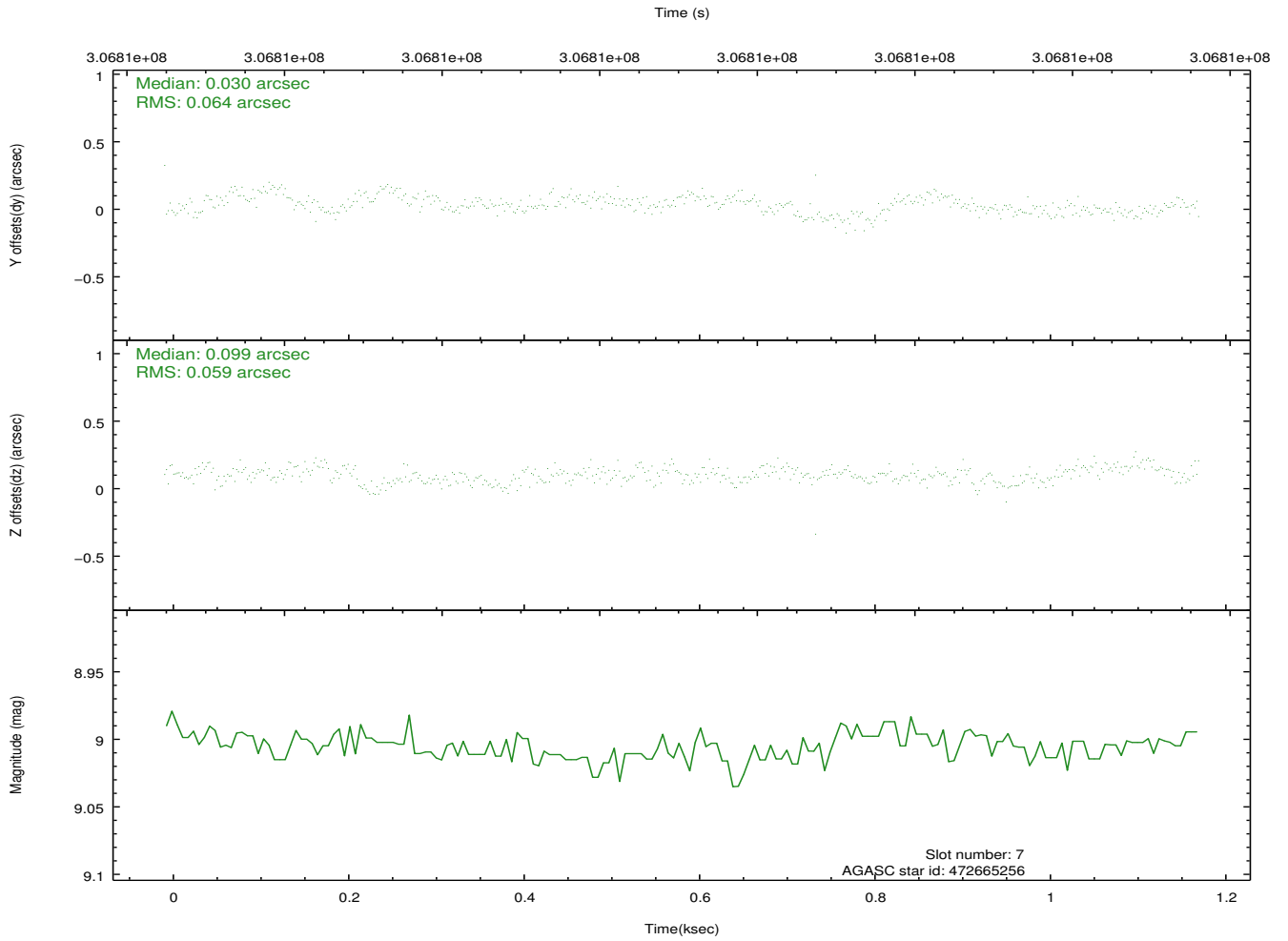
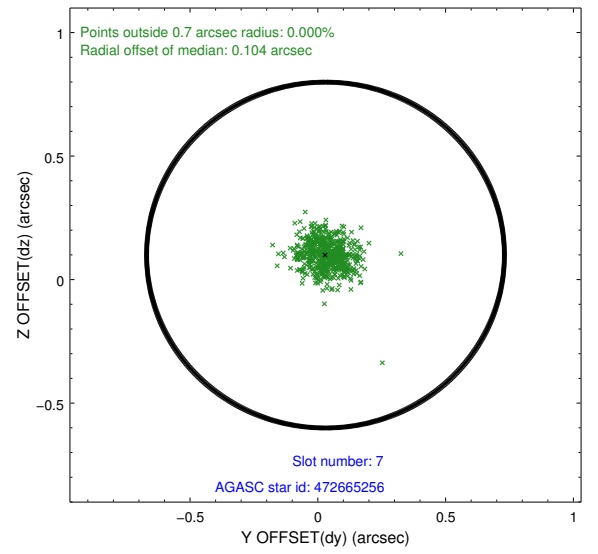
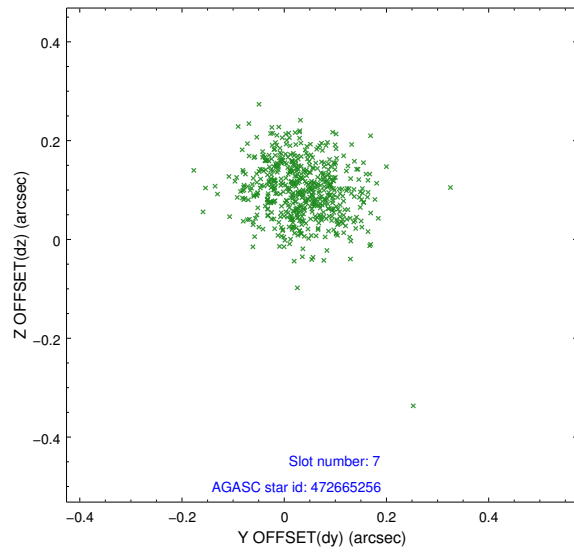
### 2.4.3 Slot 5



## 2.4.4 Slot 6

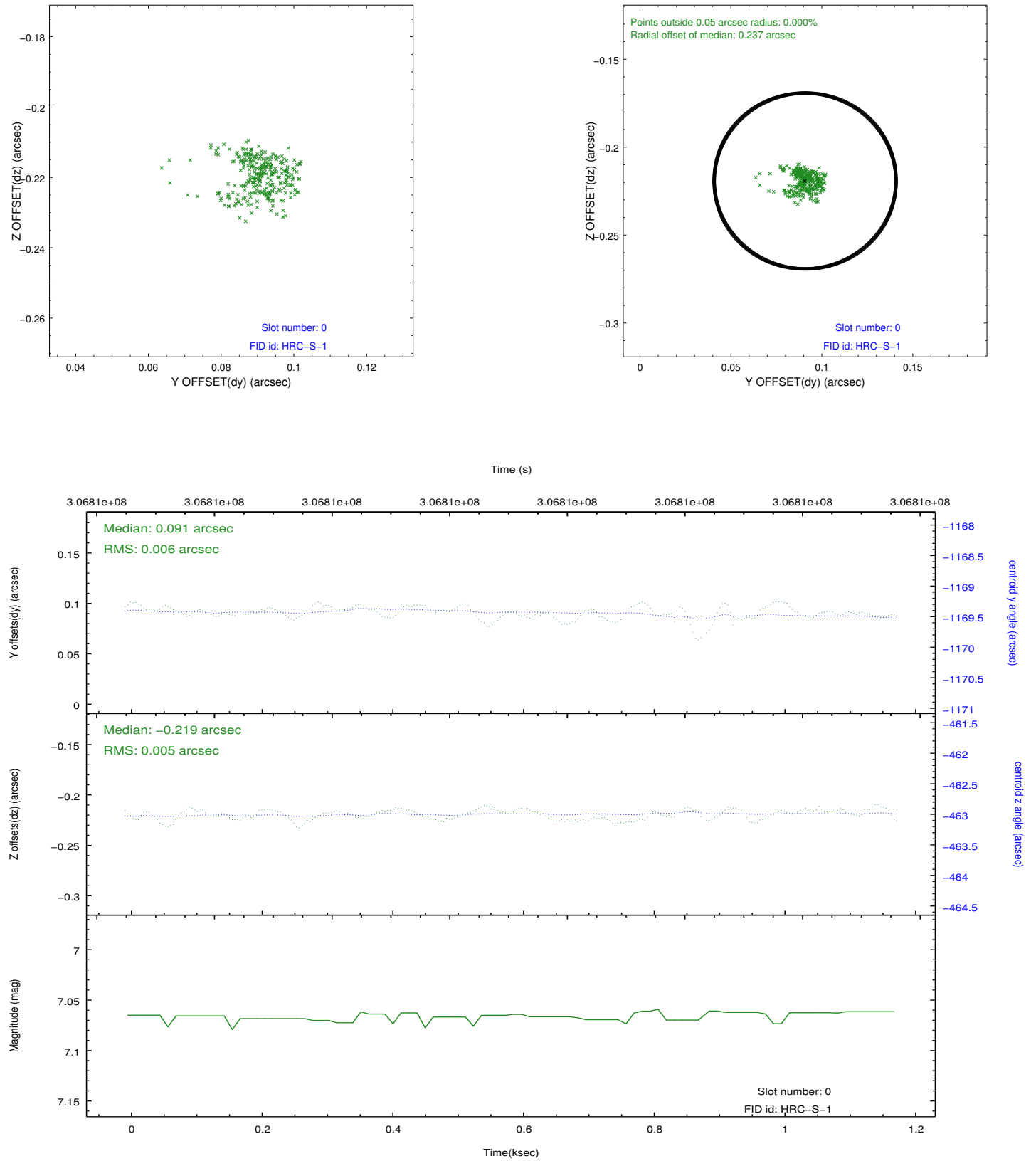


## 2.4.5 Slot 7

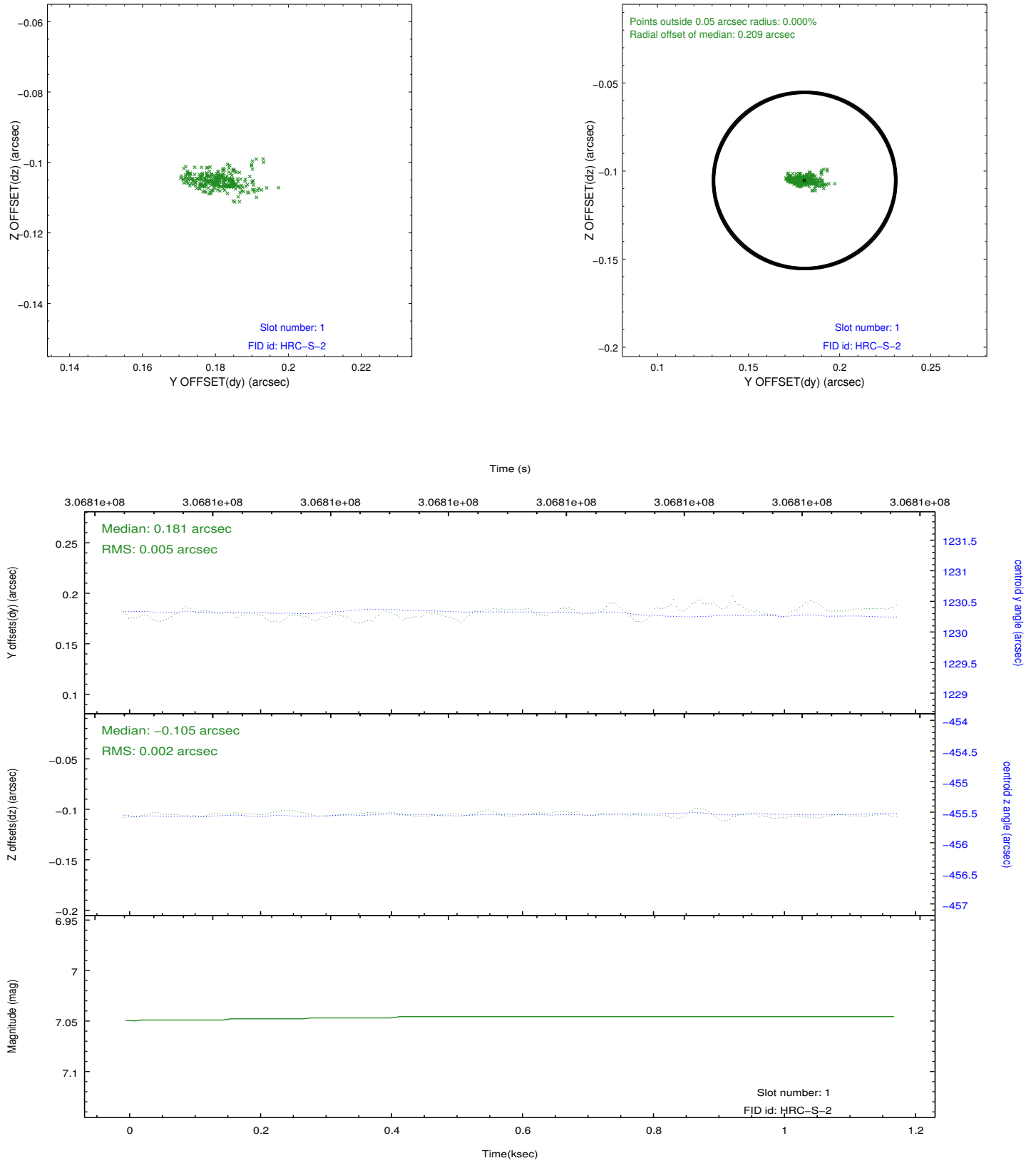


## 2.5 FID Slots

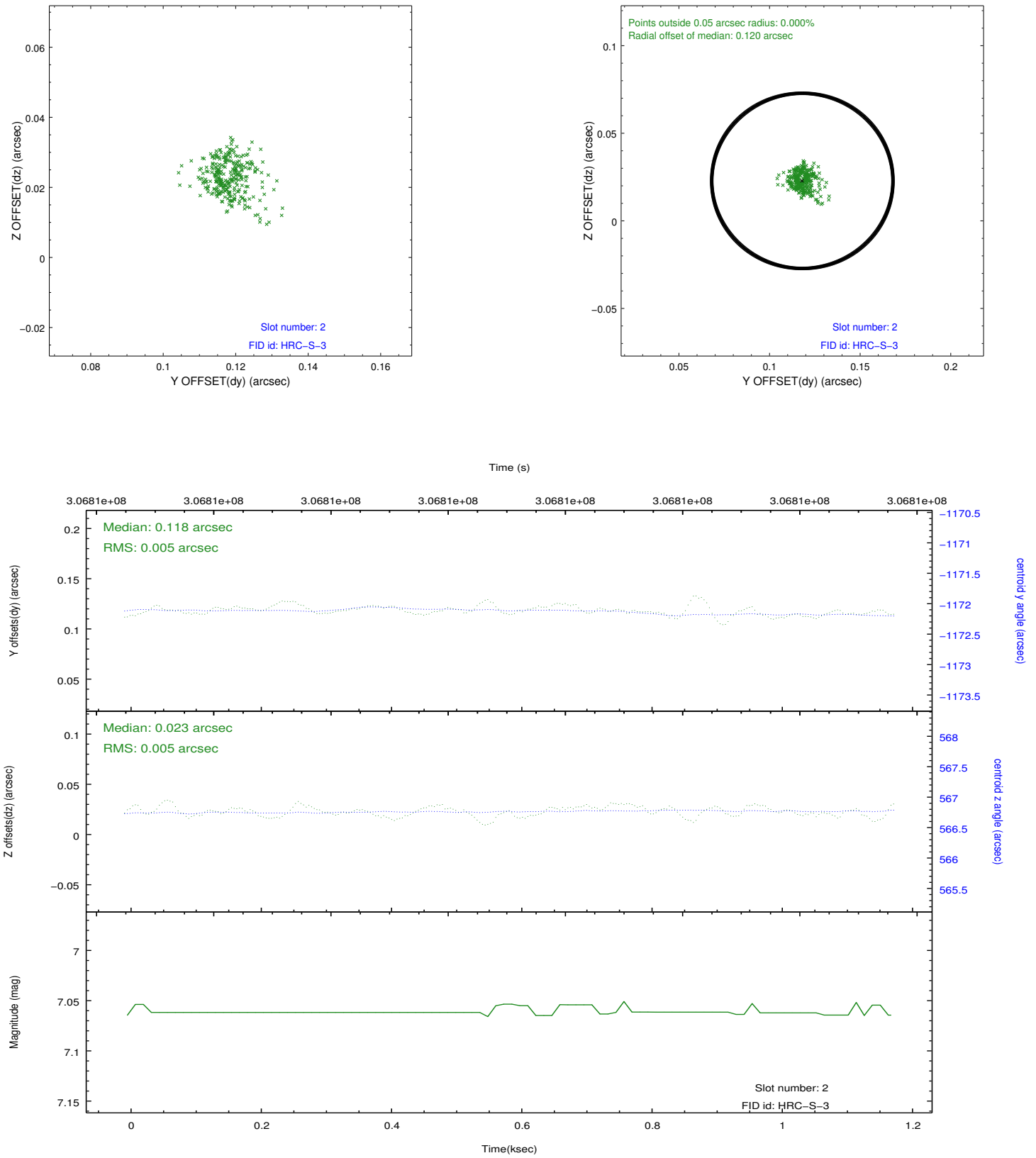
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1513313

### A.2 Comments