

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8325 - L2 Version 3  
Chandra X-Ray Center

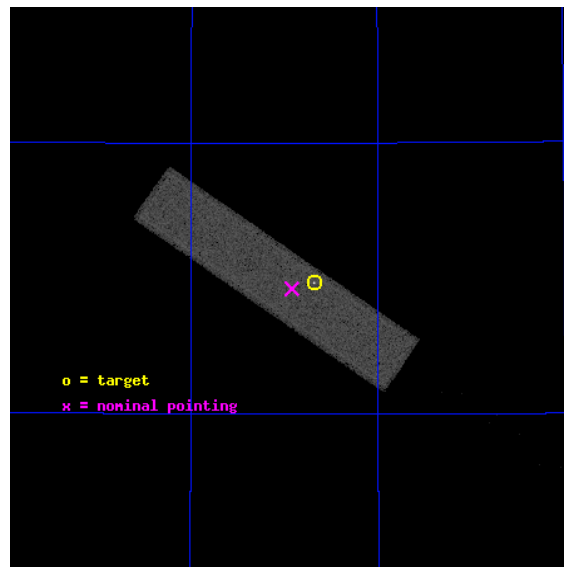
L2 Processing Date : Aug 12 2012

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# 1 Front

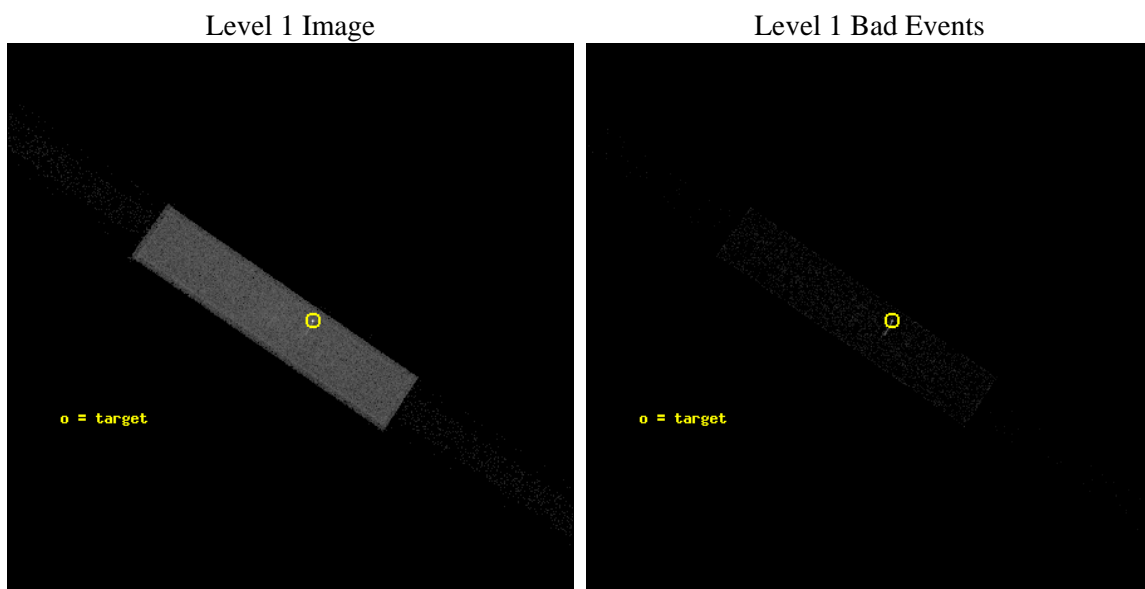
seq_num	290704	Sequence number
obs_id	8325	Observation id
title	AO8 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22976735567	Nominal RA [deg]
dec_nom	45.730991474682	Nominal Dec [deg]
roll_nom	214.26156804965	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1153.3813055754	[s]
livetime	1143.612251535	Ontime multiplied by DTCOR
l2events	69710	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	1153.3813055754	[s]
caldsver	4.5.1.1	&#160	l1events	110291	Number of level 1 events
date	2012-08-12T03:32:17	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

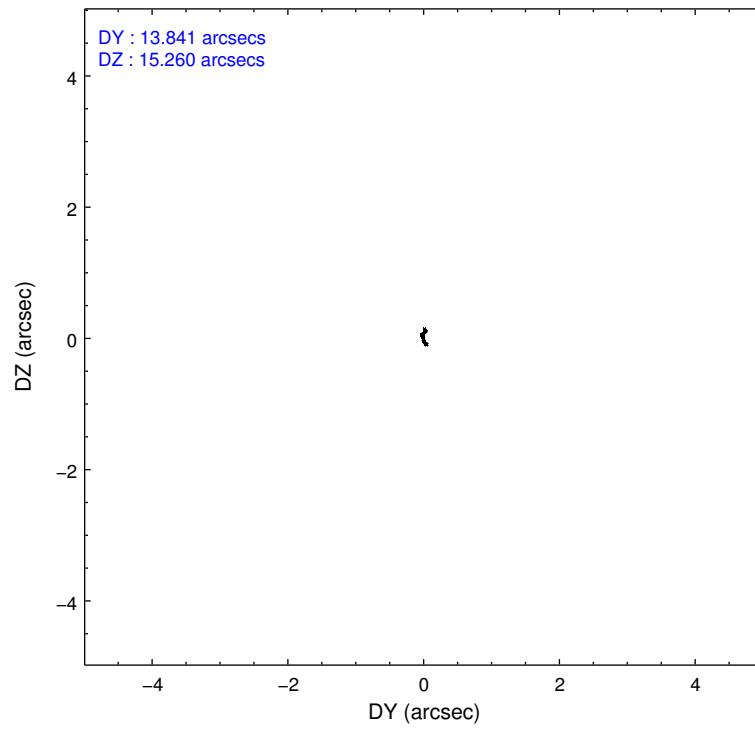
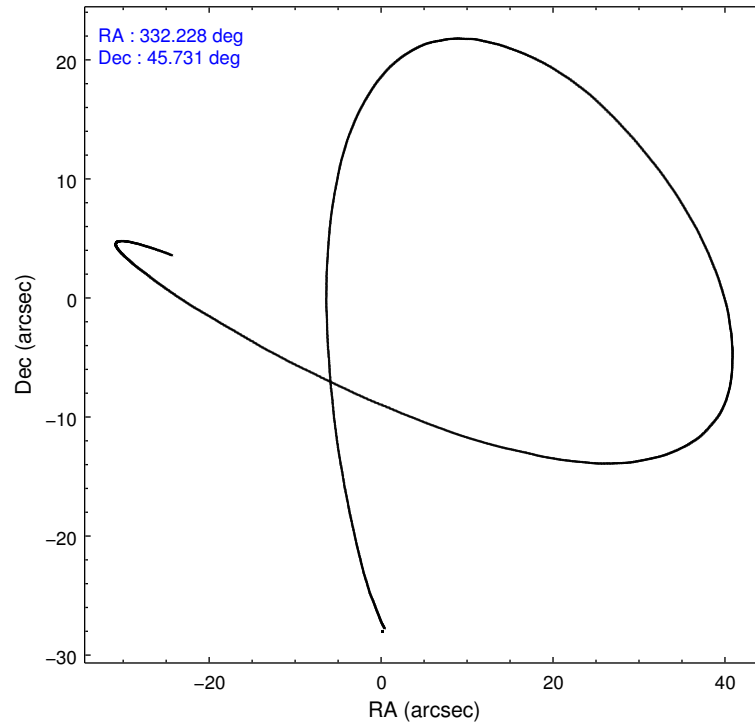
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	942	108464	885
rejected events	942	24564	867
rejected %	100%	22%	97%

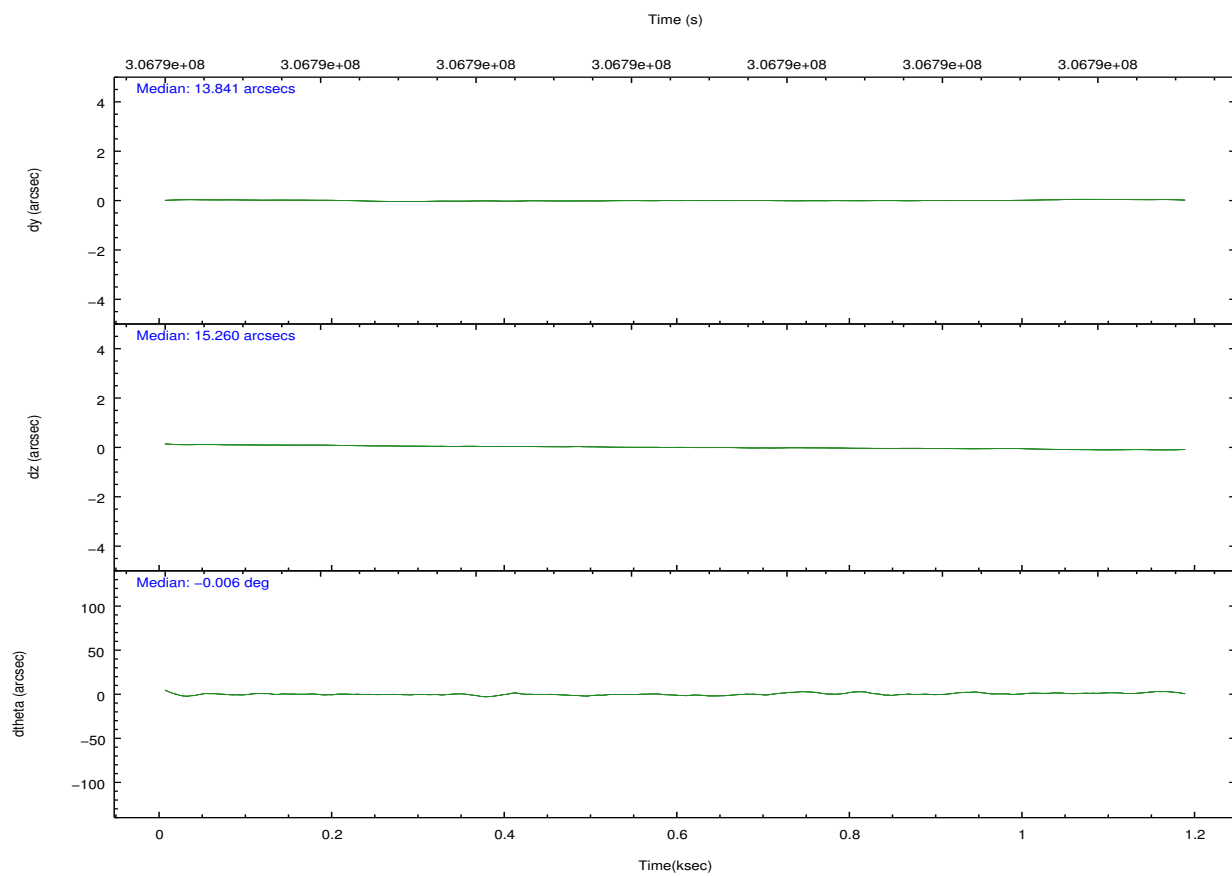
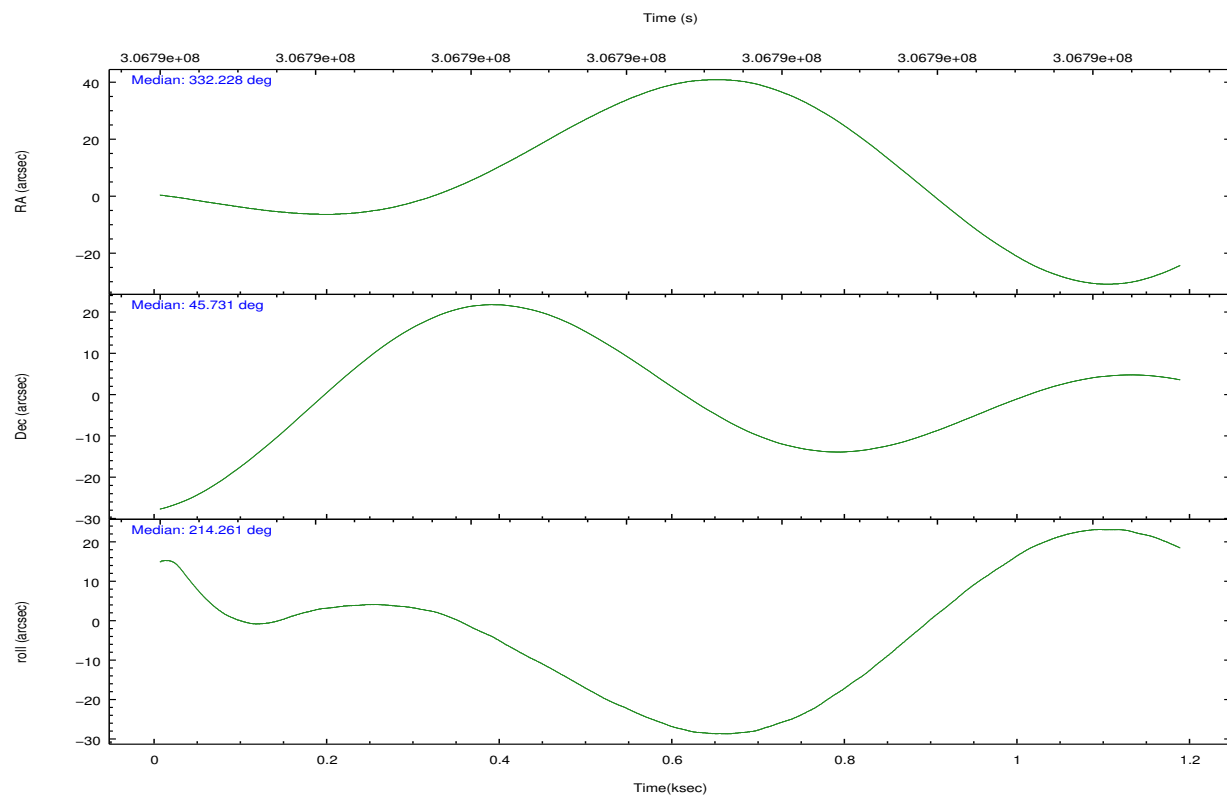
## 2.2 Compared Parameters

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	332.246646	332.2297673556704
[deg] Pointing Dec	45.757296	45.73099147468183
[deg] Pointing Roll	214.182082	214.2615680496492
[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)	306792253.184000	306791877.46839
Observation start date	2007-09-21T20:03:08	2007-09-21T19:57:57
[s] Observation end time (MET)	306793253.184000	306793387.80596
Observation end date	2007-09-21T20:19:48	2007-09-21T20:23:07

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

## 2.3 Aspect





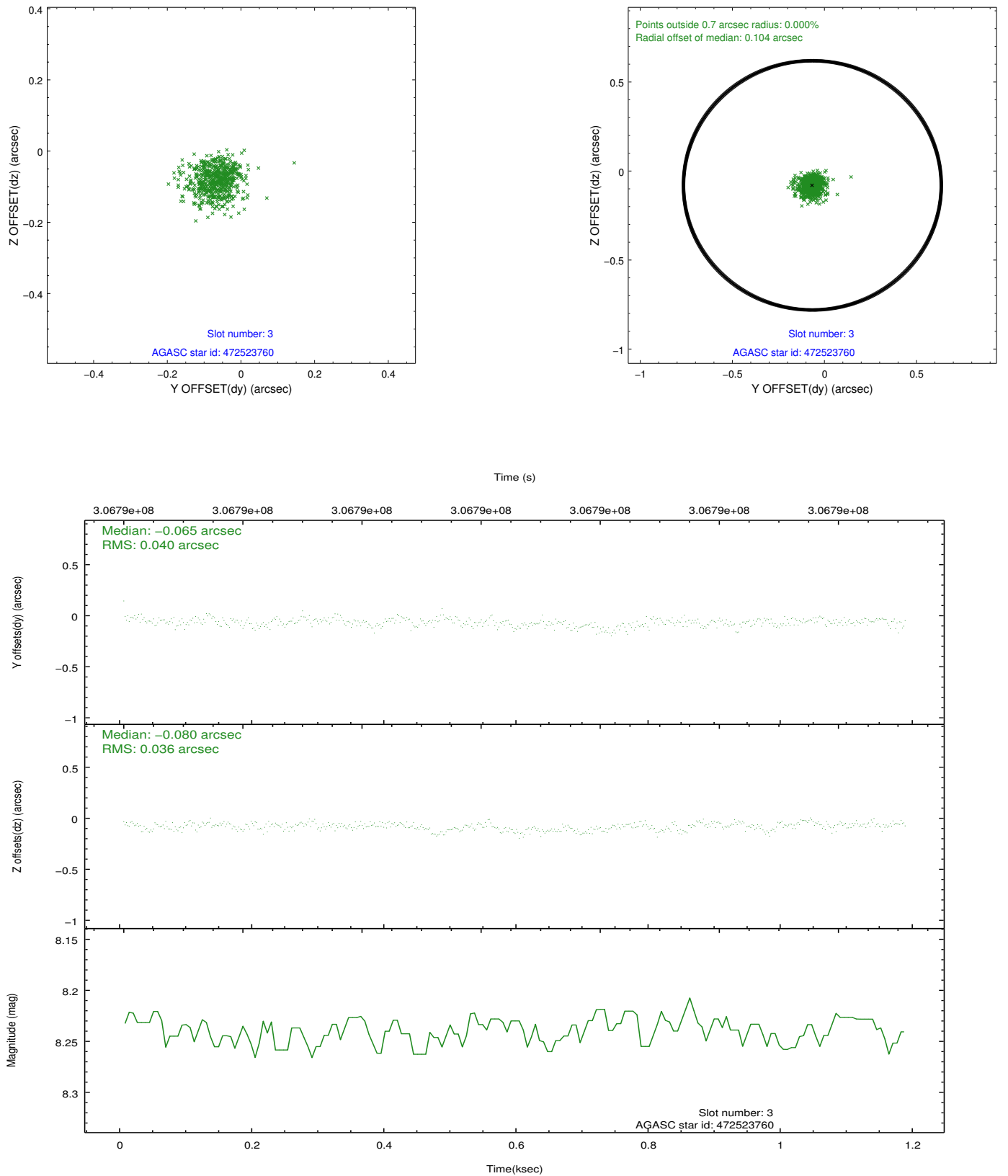
### Slot Statistics

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	289	0.065	-0.137	0.004	0.008	0.000000	0.000000	-1168.19	-464.15
1	FID	HRC-S-2	7.05	289	0.122	-0.165	0.012	0.021	0.000000	0.000000	1227.48	-458.31
2	FID	HRC-S-4	7.01	289	0.217	-0.002	0.011	0.020	0.000000	0.000000	1234.39	566.59
3	GUIDE	472523760	8.24	578	-0.065	-0.080	0.056	0.095	331.645363	45.403260	1968.91	197.70
4	GUIDE	472655152	9.41	577	0.010	-0.184	0.128	0.210	332.504239	45.862991	-746.37	49.34
5	GUIDE	472665256	9.01	578	0.088	0.089	0.093	0.174	332.808125	46.195041	-2048.04	-519.60
6	GUIDE	472654568	9.42	577	-0.094	0.072	0.110	0.187	332.194449	45.063576	1508.01	1992.59
7	GUIDE	472663080	9.41	577	0.072	0.115	0.101	0.177	332.652741	46.473840	-2282.13	-1565.06

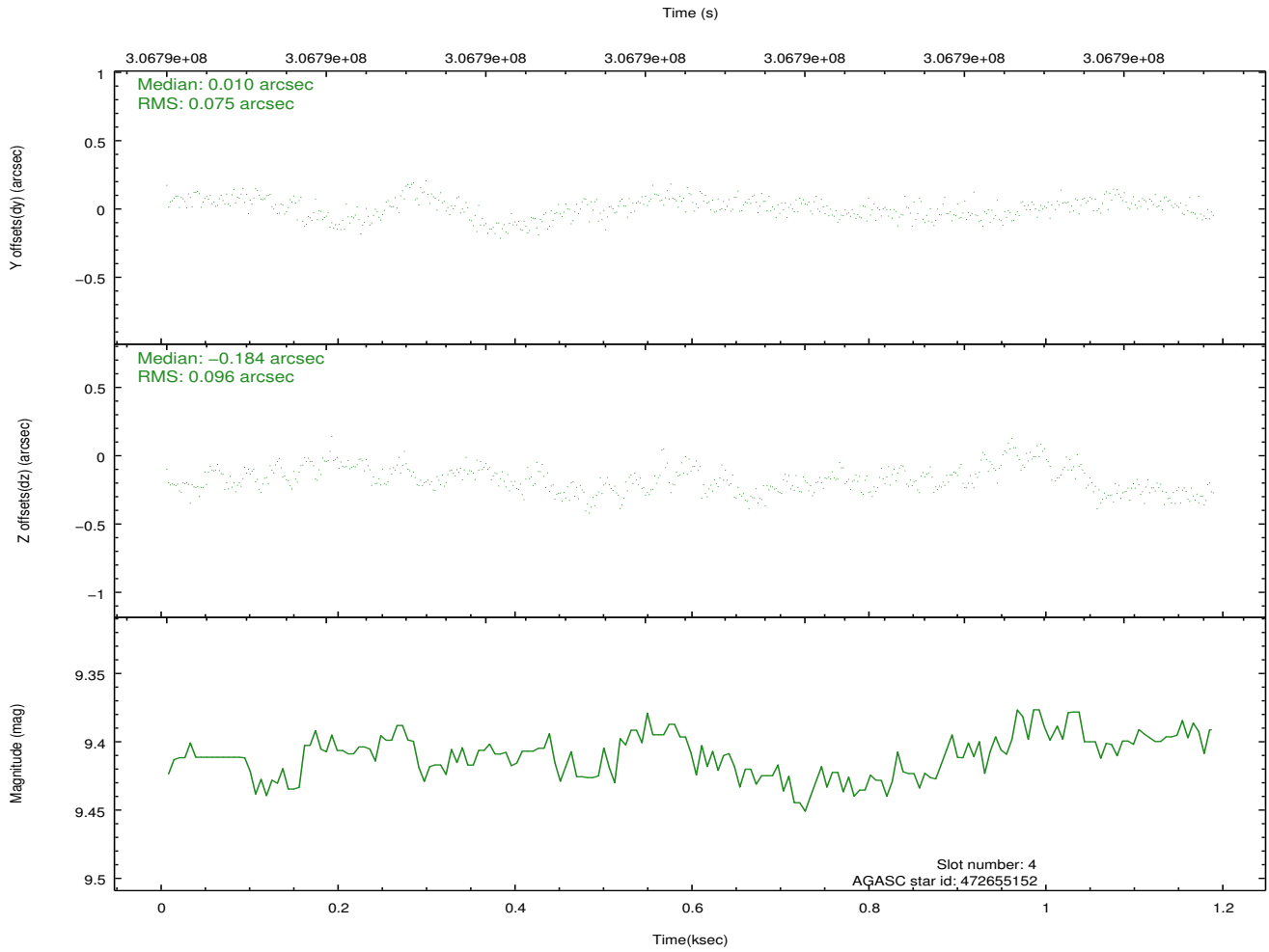
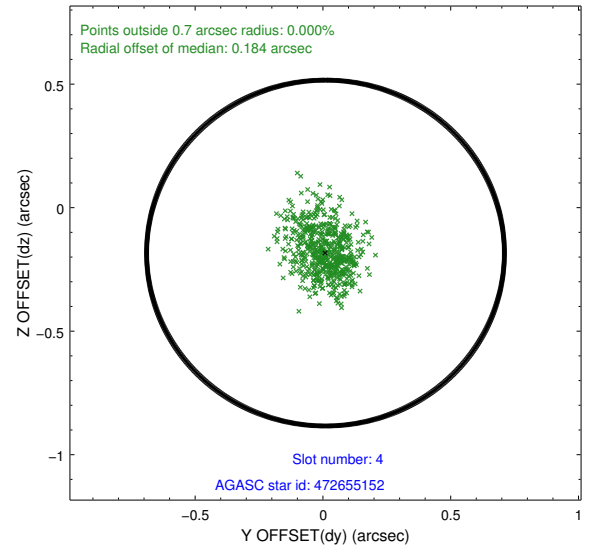
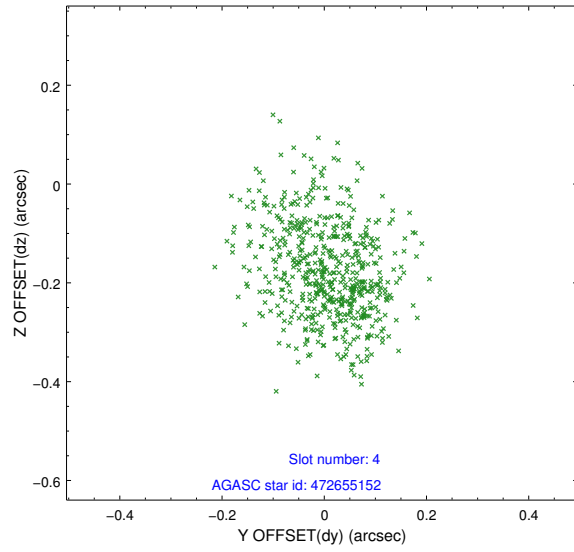


## 2.4 Star Slots

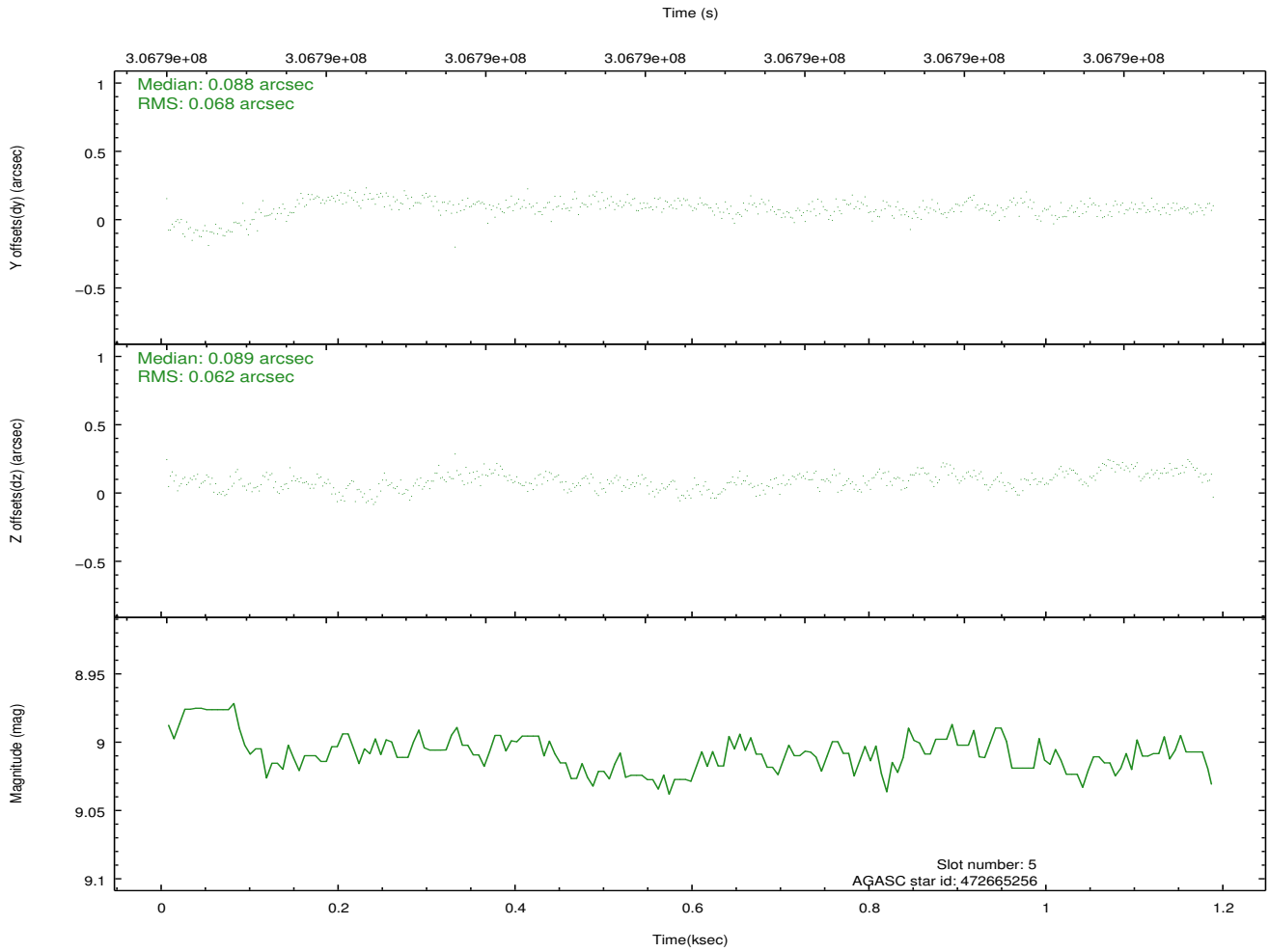
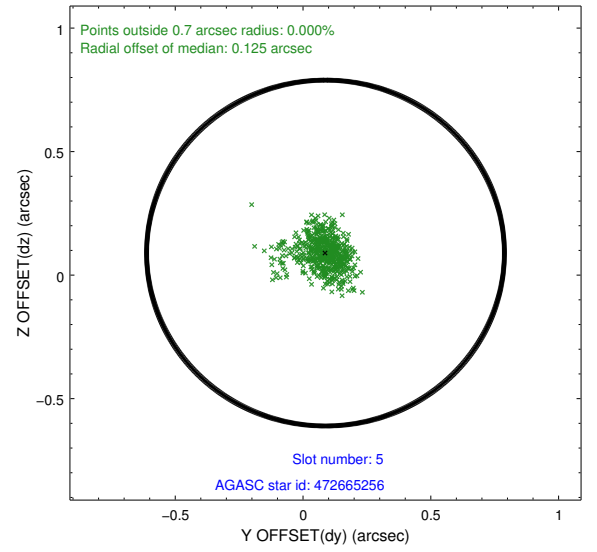
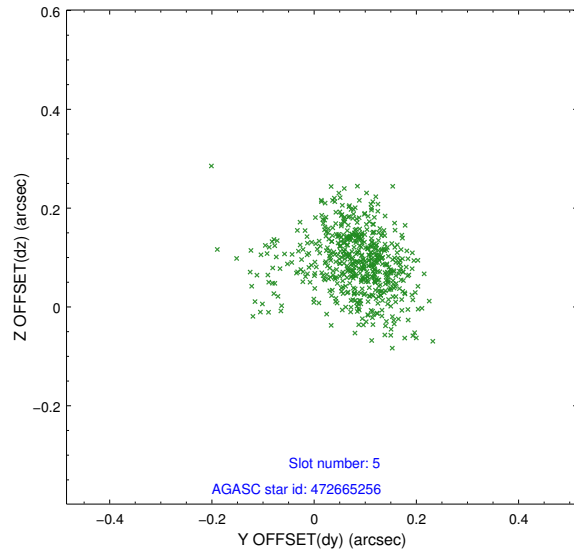
### 2.4.1 Slot 3



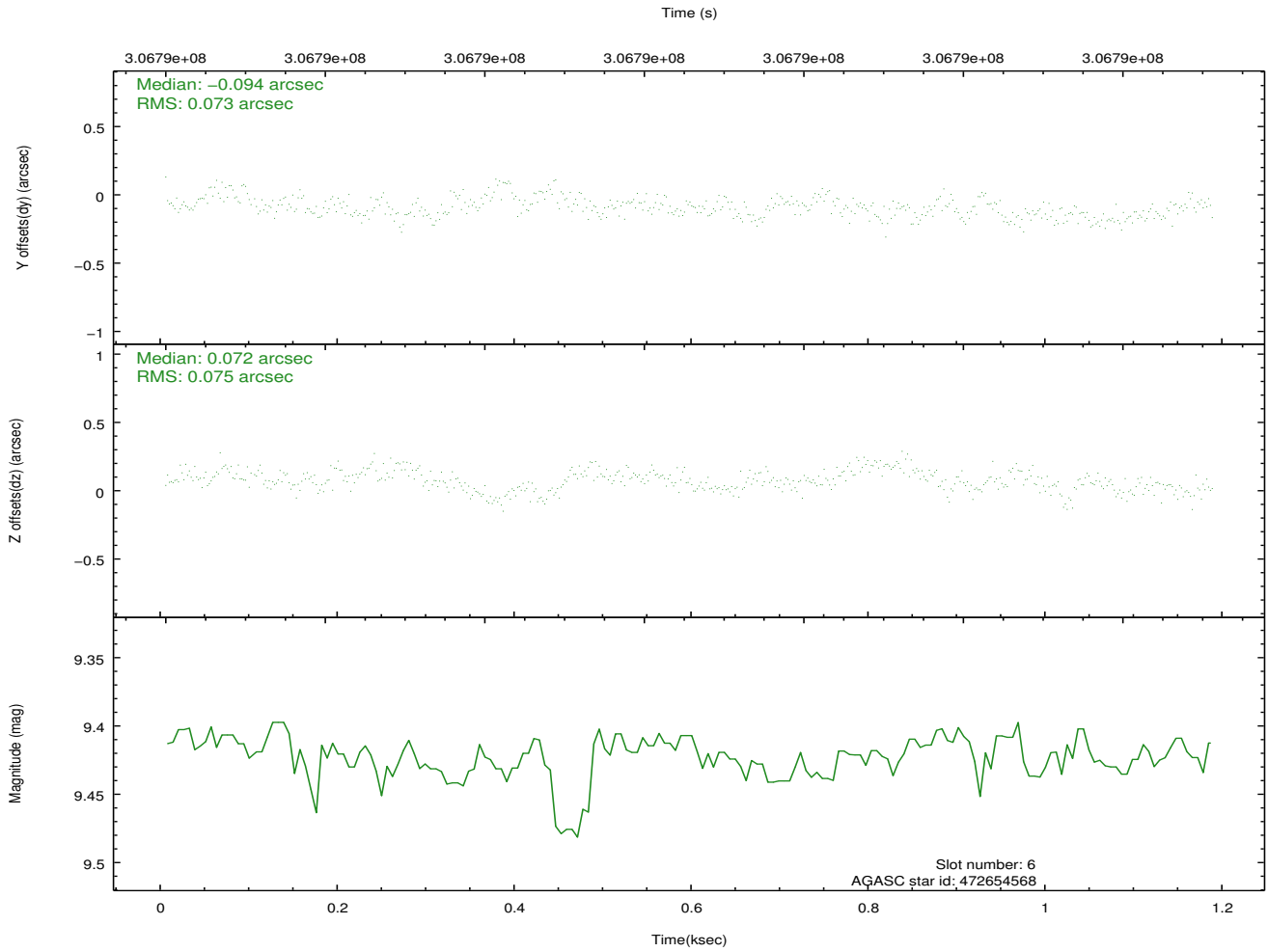
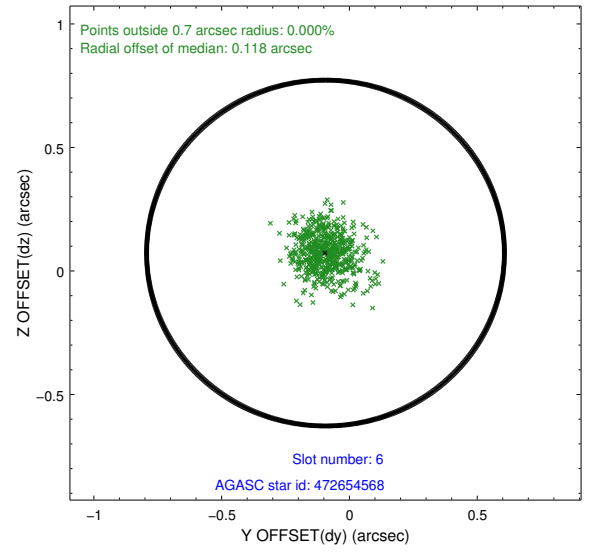
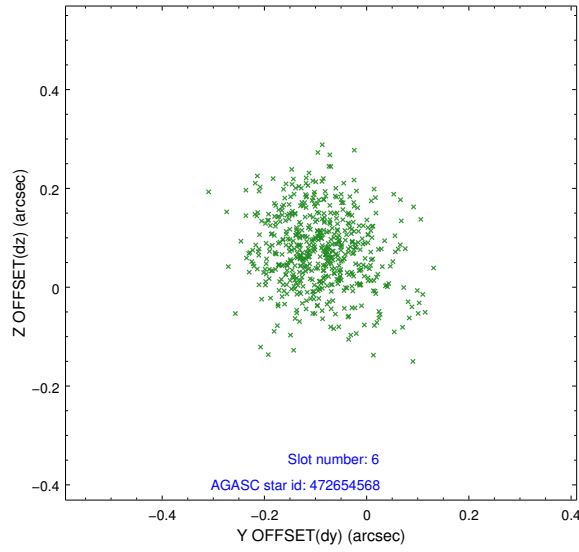
## 2.4.2 Slot 4



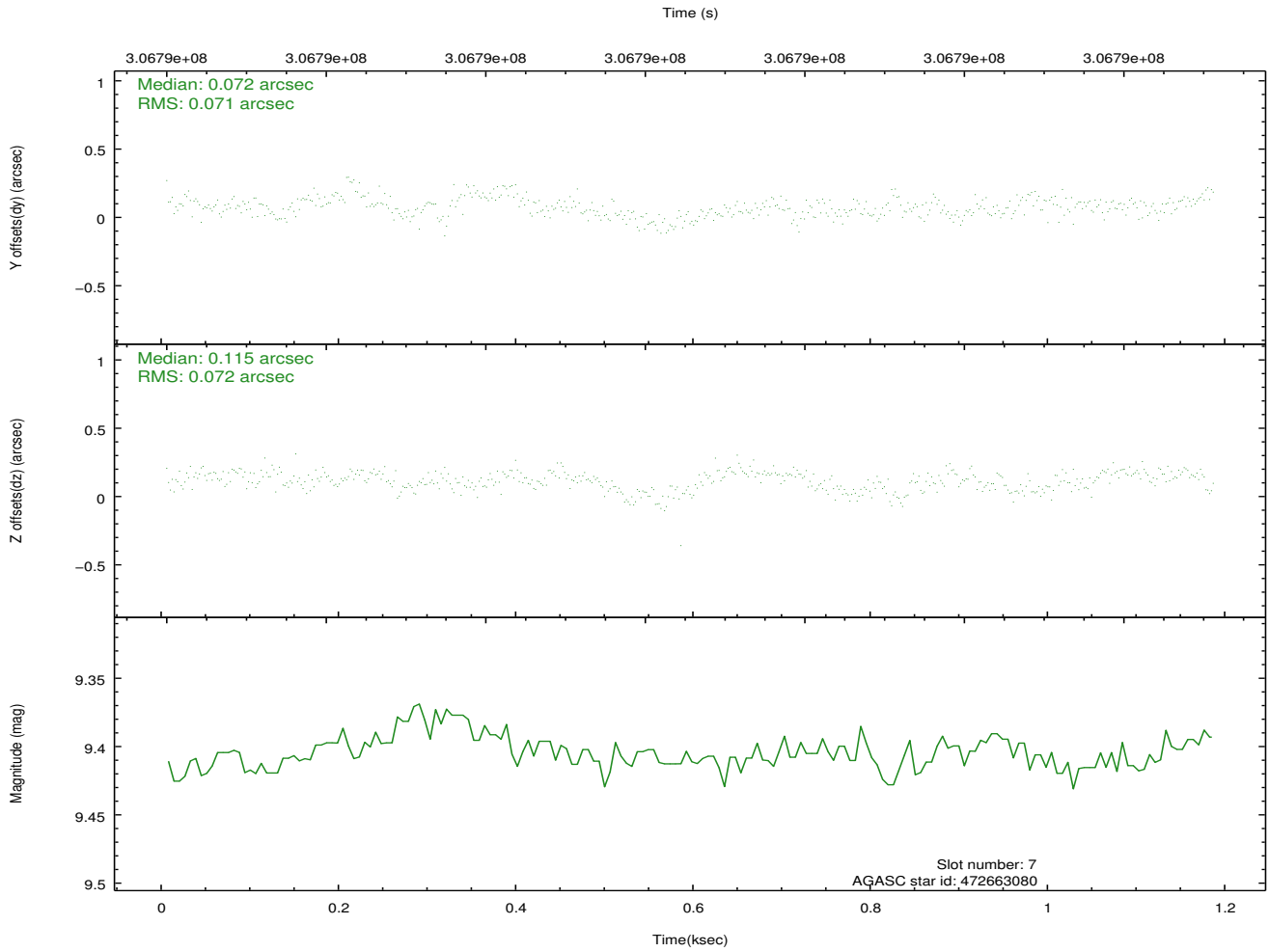
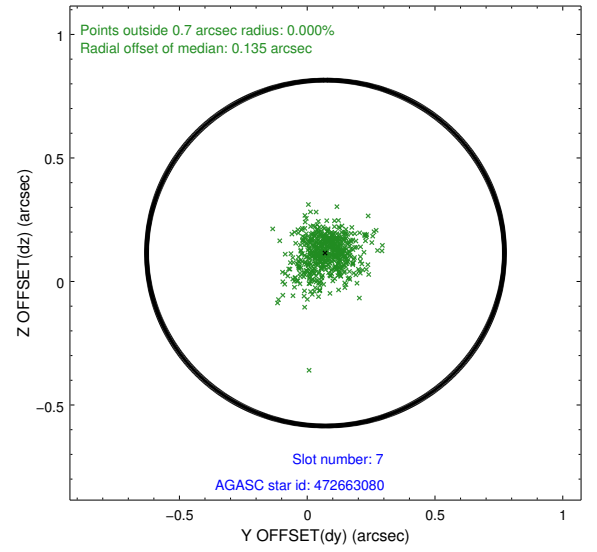
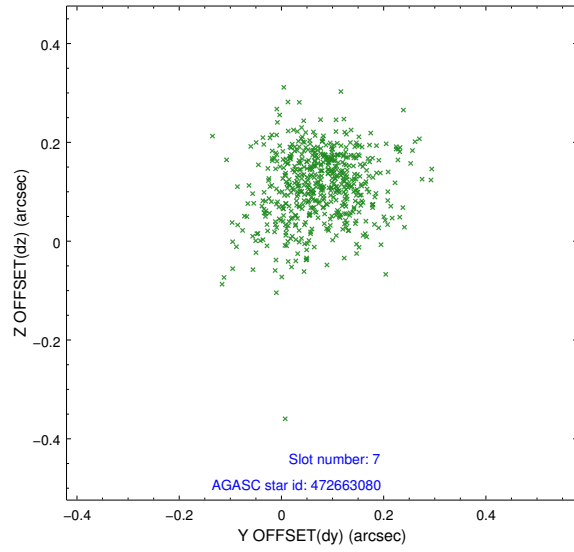
### 2.4.3 Slot 5



## 2.4.4 Slot 6

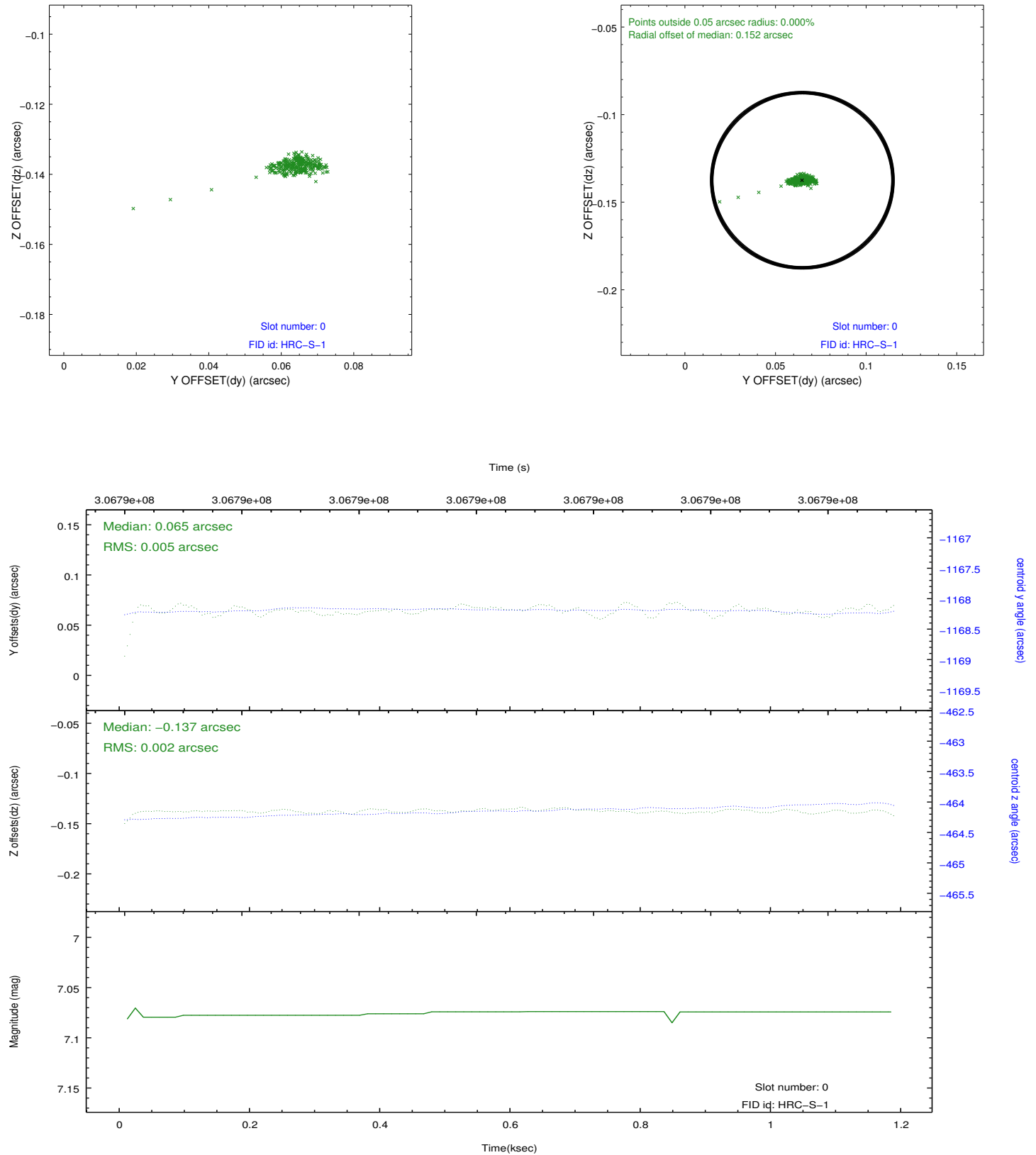


## 2.4.5 Slot 7

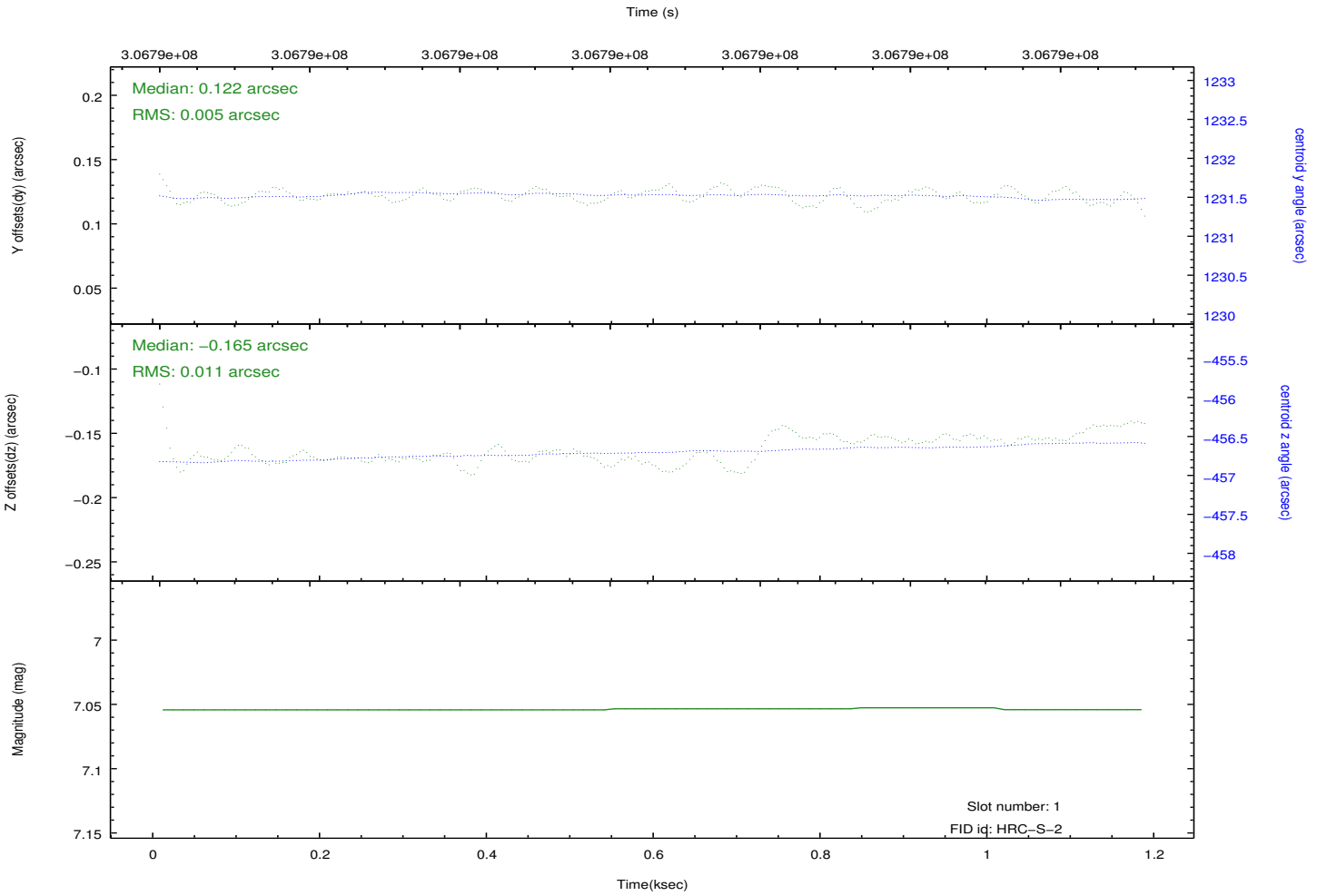
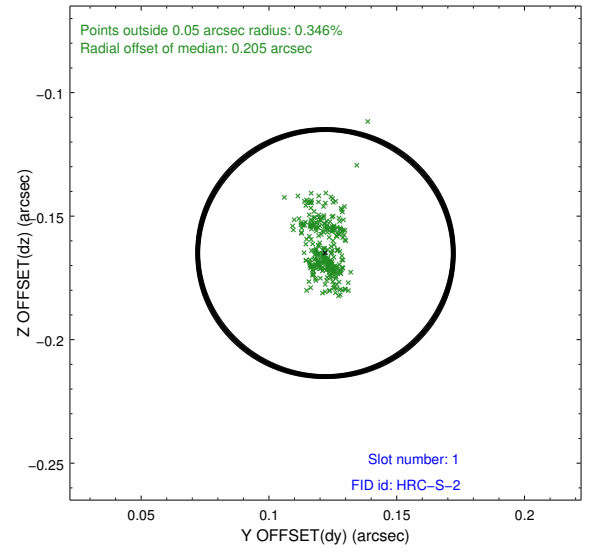
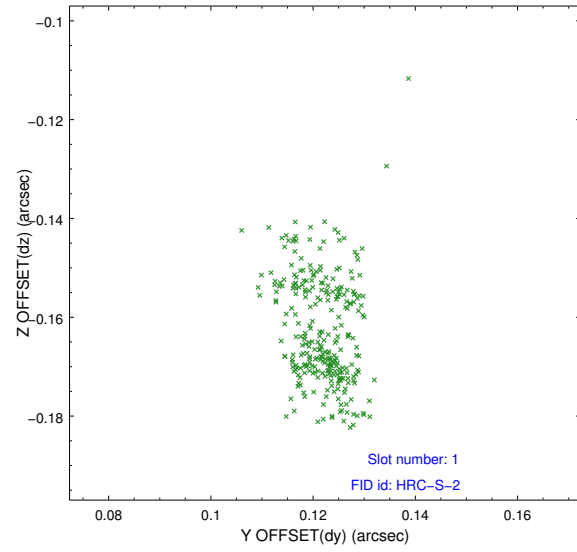


## 2.5 FID Slots

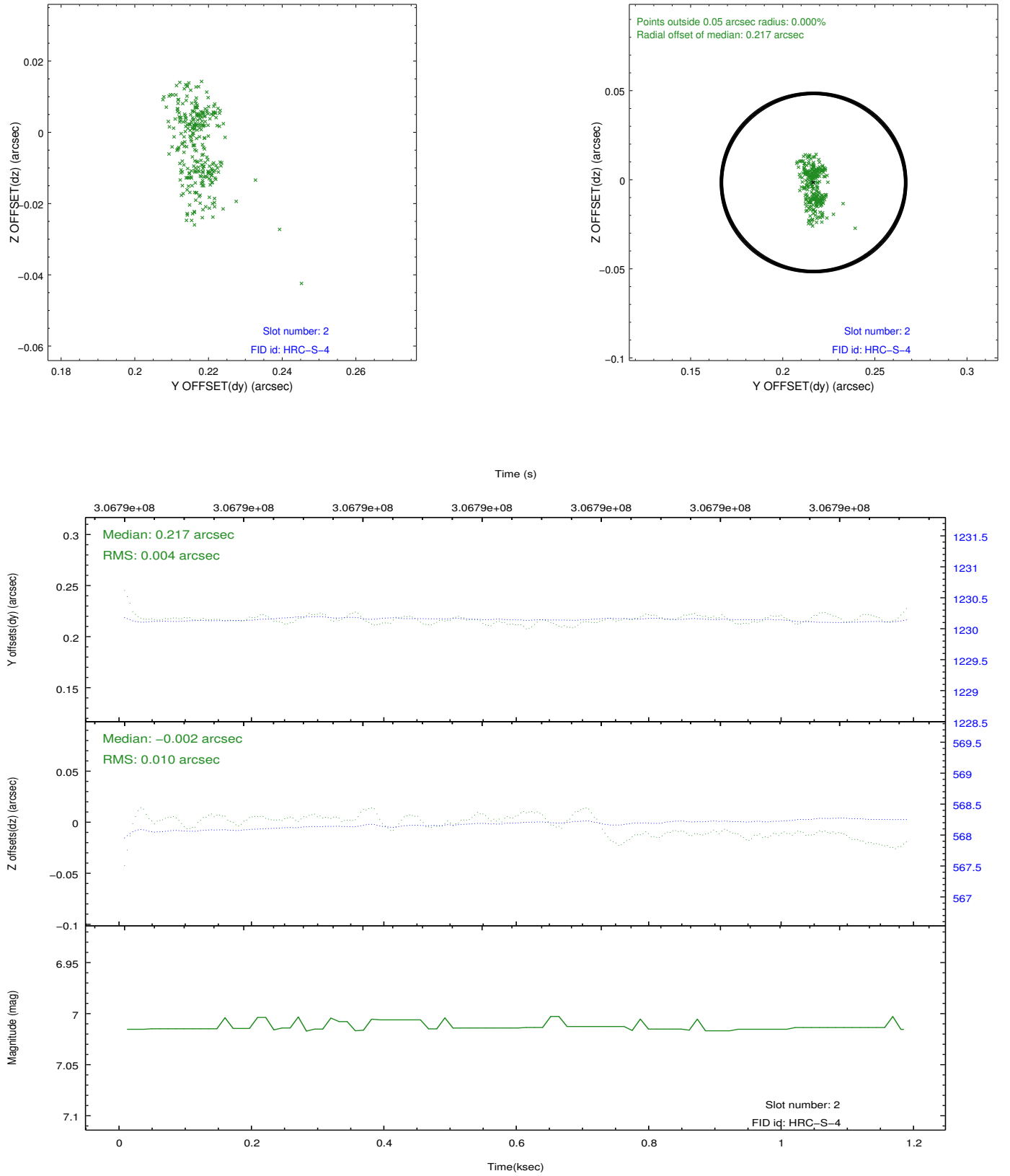
### 2.5.1 Slot 0



## 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	1.1533813

### A.2 Comments