

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11925 - L2 Version 2  
Chandra X-Ray Center

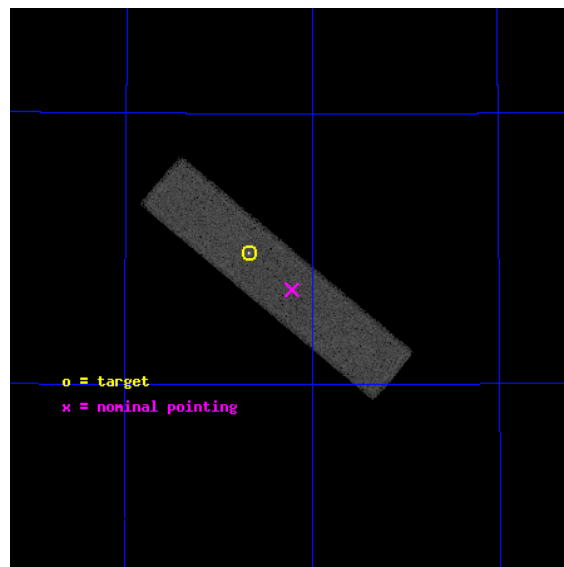
L2 Processing Date : Jul 3 2012

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# 1 Front

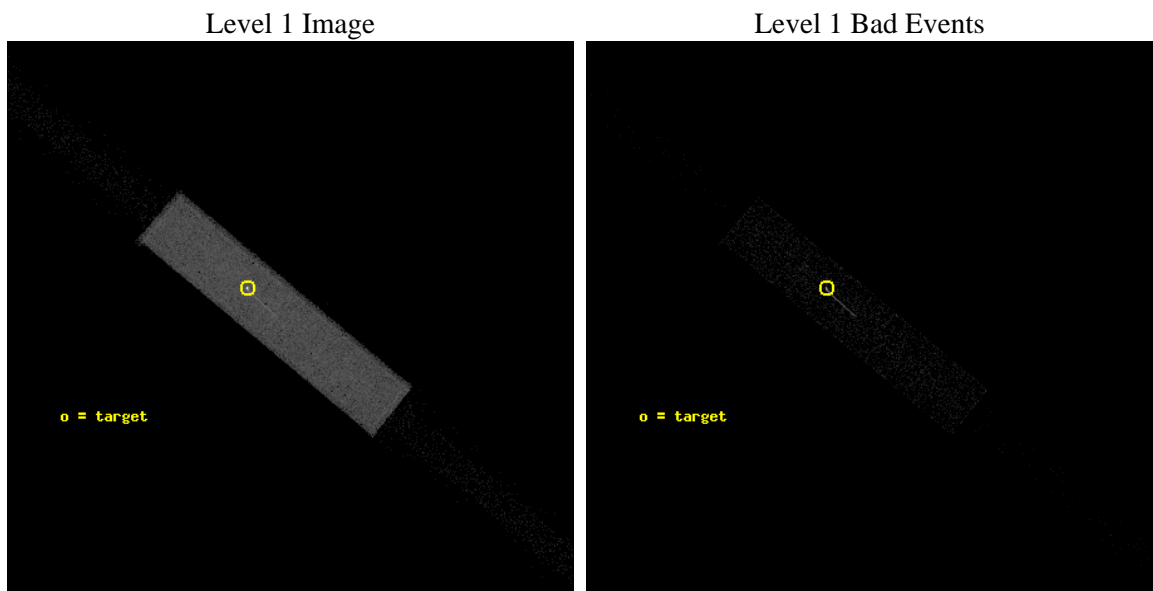
seq_num	290914	Sequence number
obs_id	11925	Observation id
title	AO-11 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.0544611984	Nominal RA [deg]
dec_nom	45.674863898059	Nominal Dec [deg]
roll_nom	219.64141683872	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1155.4313093424	[s]
livetime	1144.732816847	Ontime multiplied by DTCOR
l2events	81040	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	1155.4313093424	[s]
caldbver	4.5.0	&#160	l1events	121750	Number of level 1 events
date	2012-07-03T23:55:56	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

Level 1 Events

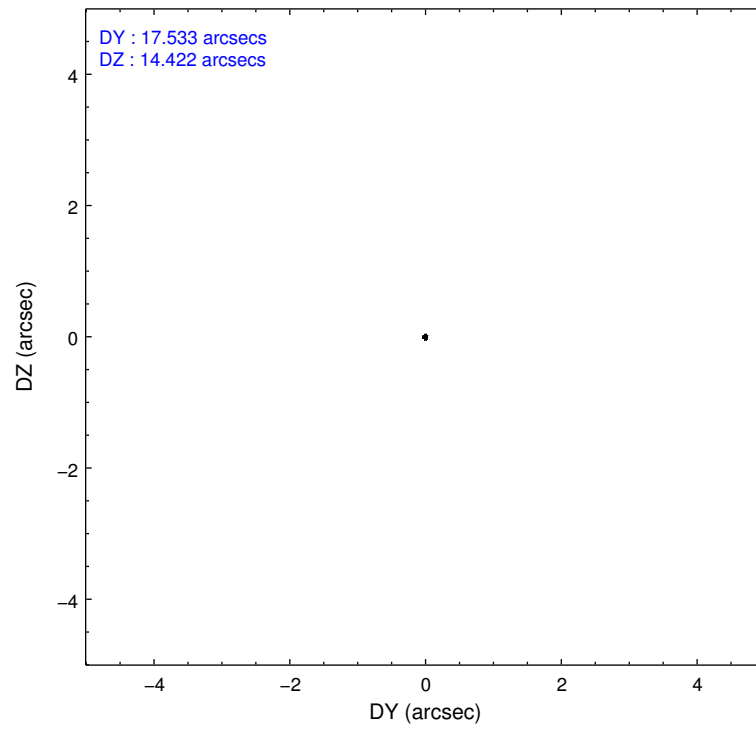
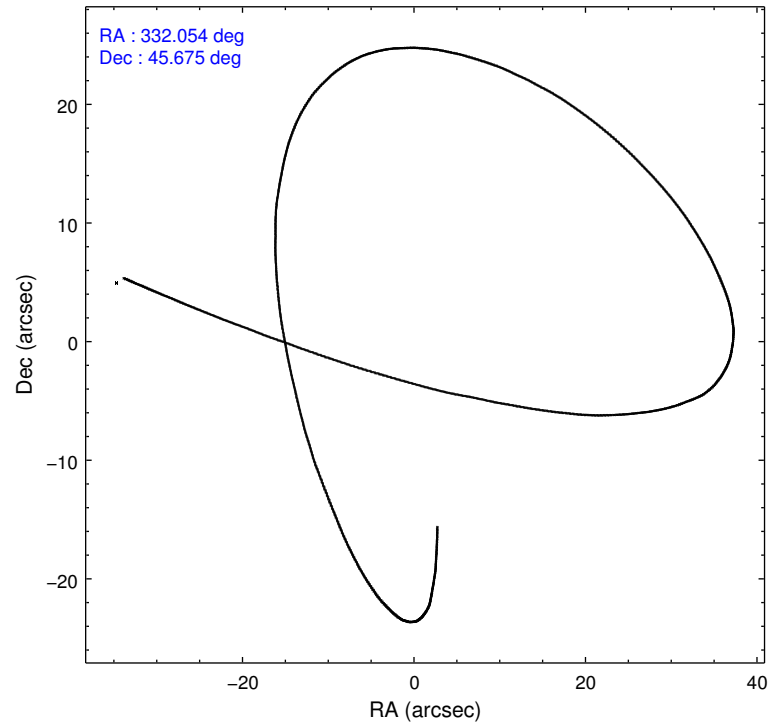
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	899	119943	908
rejected events	899	26403	908
rejected %	100%	22%	100%

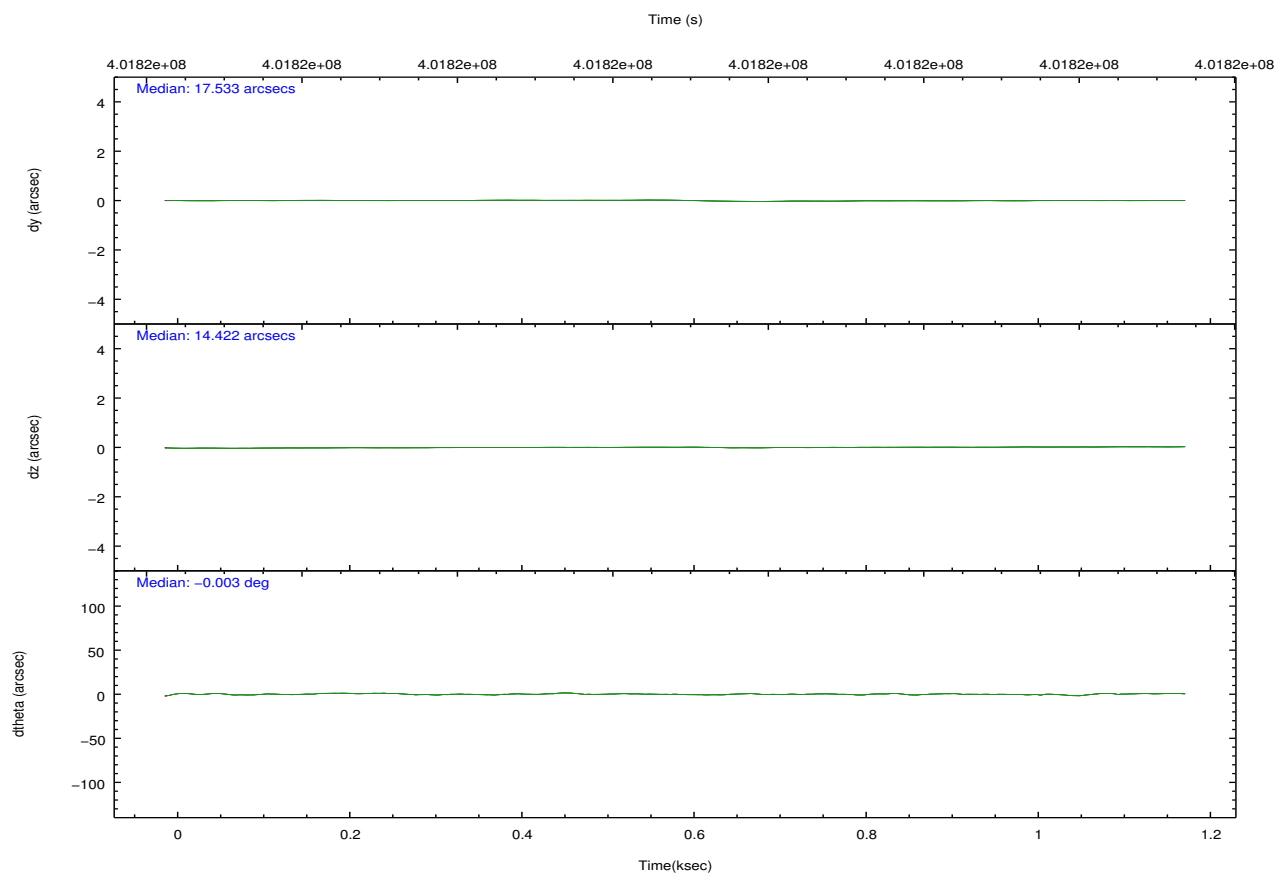
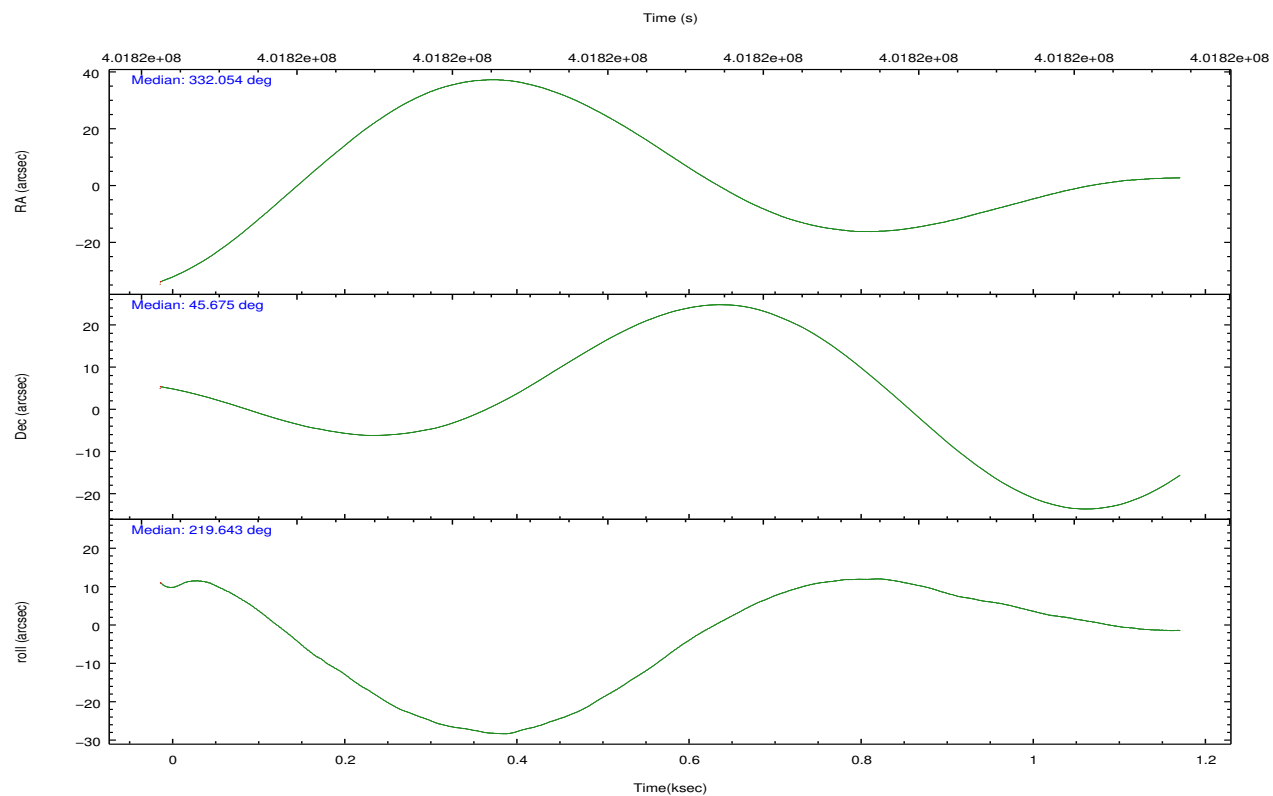
## 2.2 Compared Parameters

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	332.066587	332.0544611984015
[deg] Pointing Dec	45.703039	45.67486389805887
[deg] Pointing Roll	219.565494	219.6414168387236
[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)	401821259.184000	401820883.48961
Observation start date	2010-09-25T16:59:53	2010-09-25T16:54:43
[s] Observation end time (MET)	401822259.184000	401822393.31469
Observation end date	2010-09-25T17:16:33	2010-09-25T17:19:53

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

## 2.3 Aspect





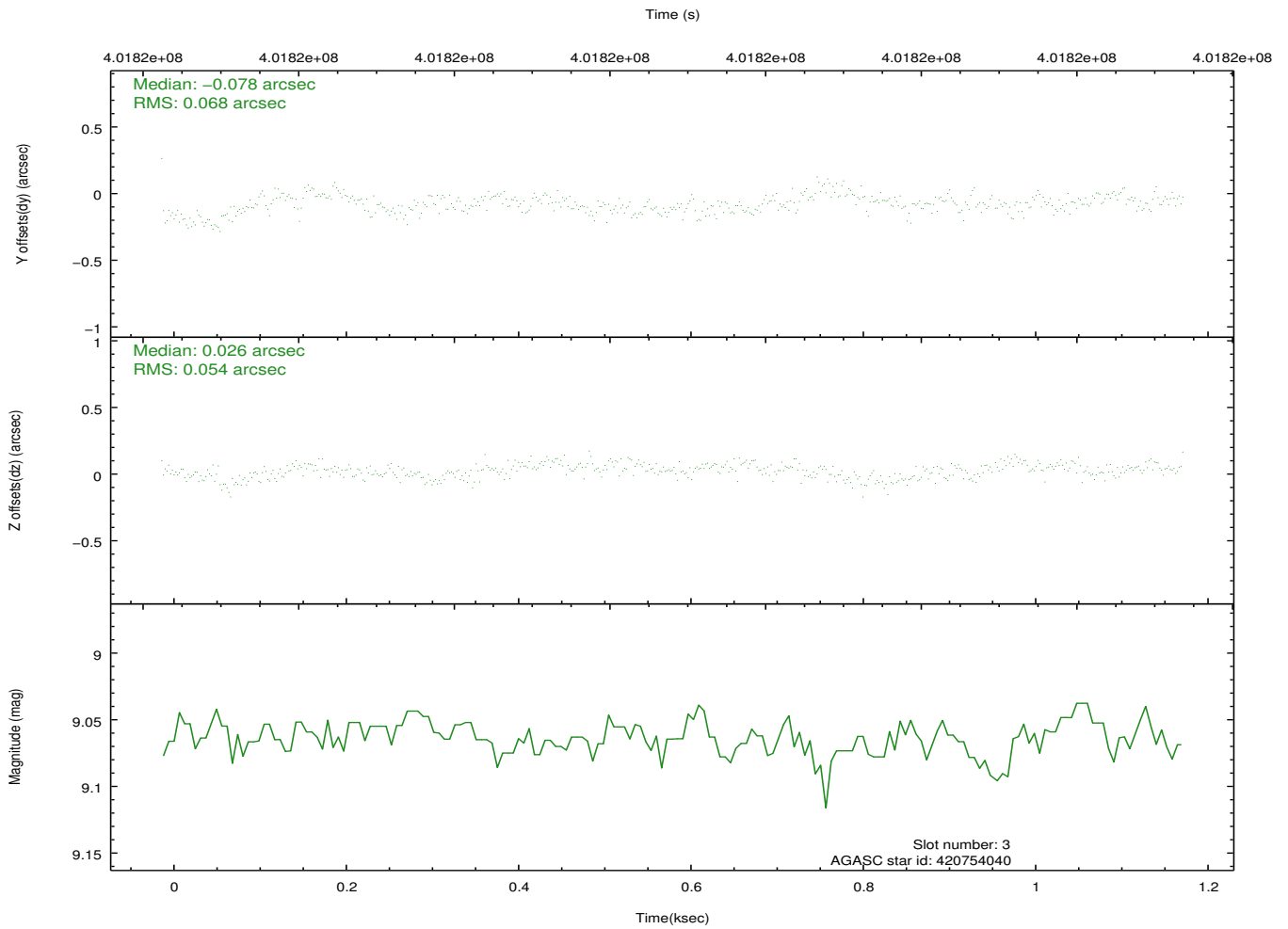
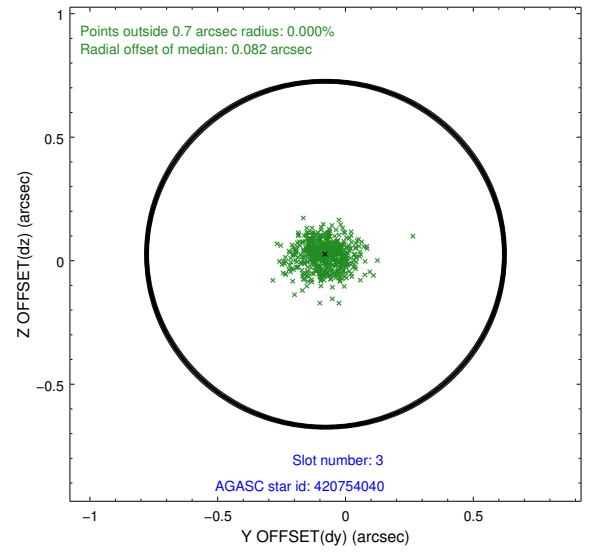
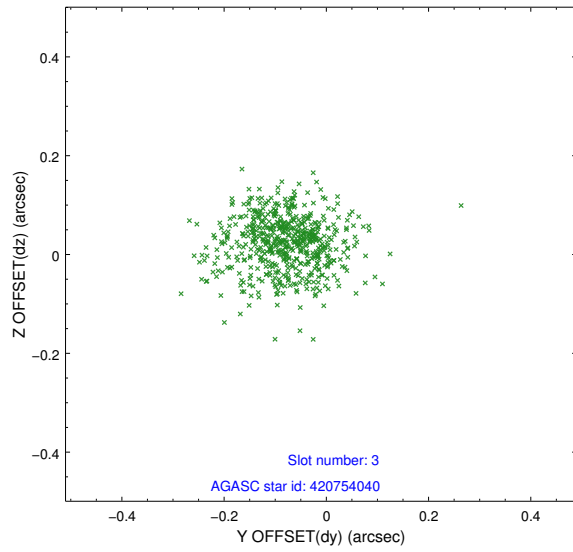
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	290	0.049	-0.210	0.006	0.011	0.000000	0.000000	-1172.03	-463.31
1	FID	HRC-S-2	6.97	290	0.266	-0.124	0.005	0.011	0.000000	0.000000	1223.80	-457.47
2	FID	HRC-S-3	7.01	290	0.075	0.032	0.007	0.010	0.000000	0.000000	-1170.50	564.87
3	GUIDE	420754040	9.06	578	-0.078	0.026	0.089	0.156	331.917939	44.882543	2171.41	2033.58
4	GUIDE	472523760	8.23	579	0.038	-0.137	0.080	0.133	331.645363	45.403260	1509.37	152.73
5	GUIDE	472533912	9.14	579	0.061	0.169	0.126	0.224	331.791136	46.368695	-997.96	-2285.96
6	GUIDE	472655152	9.42	579	0.035	-0.098	0.120	0.197	332.504239	45.862991	-1217.12	246.45
7	GUIDE	472659832	9.46	577	-0.049	0.044	0.127	0.212	332.780399	46.098139	-2287.80	30.60

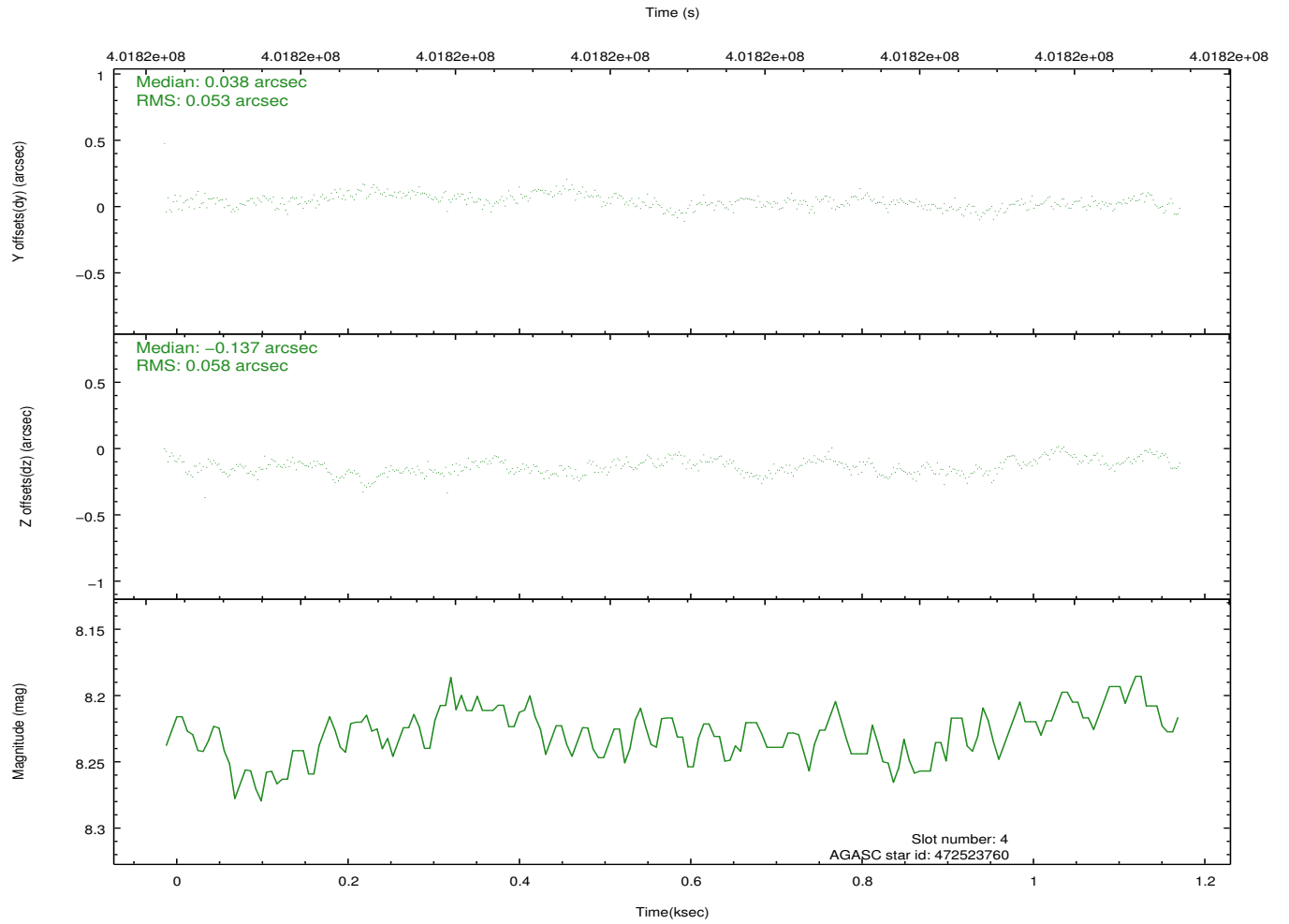
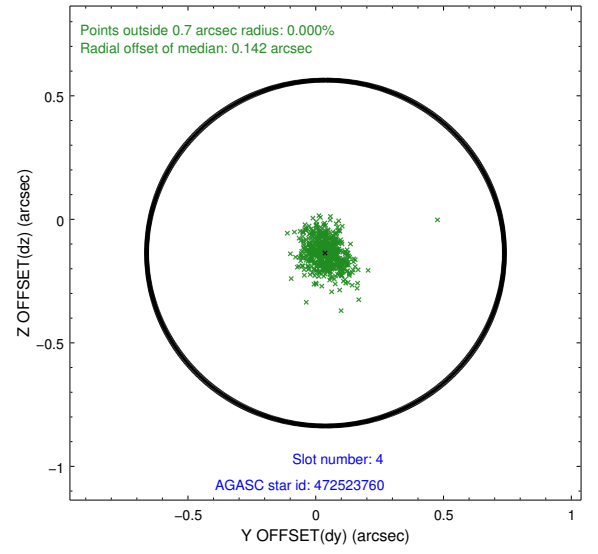
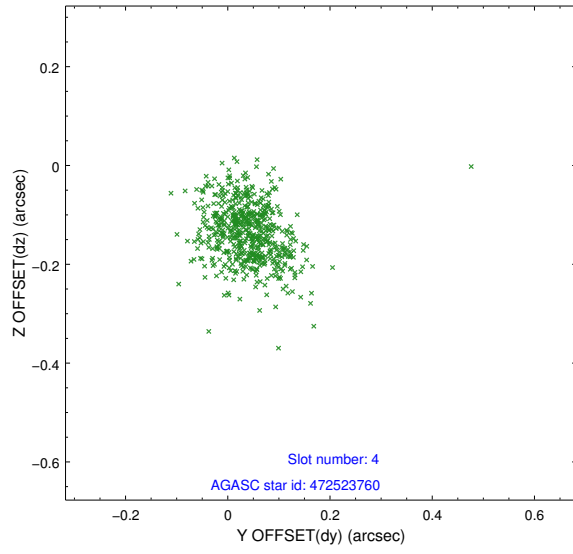


## 2.4 Star Slots

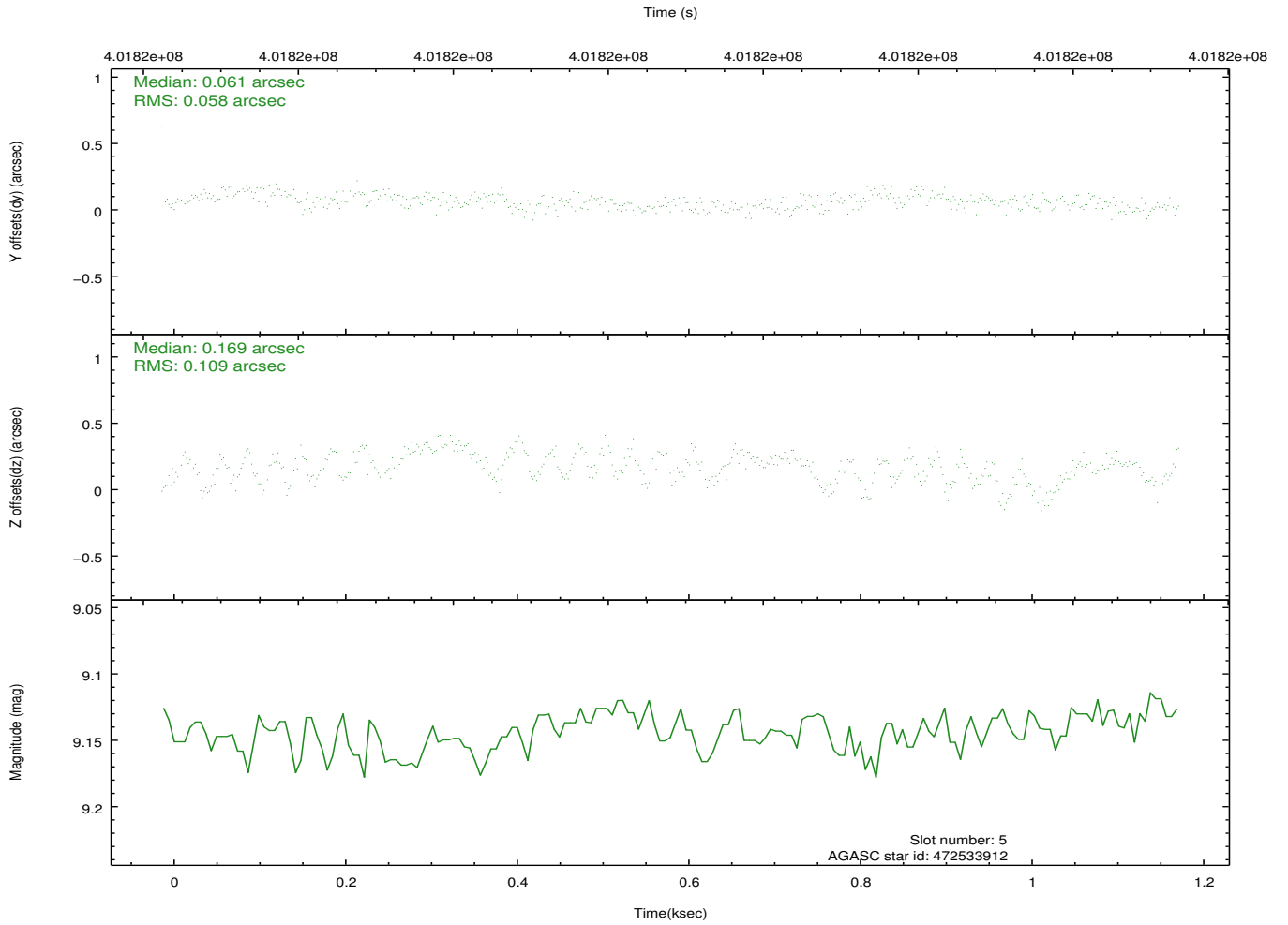
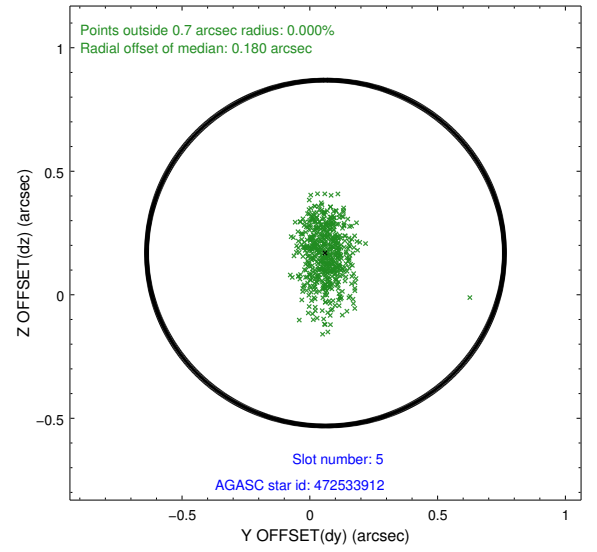
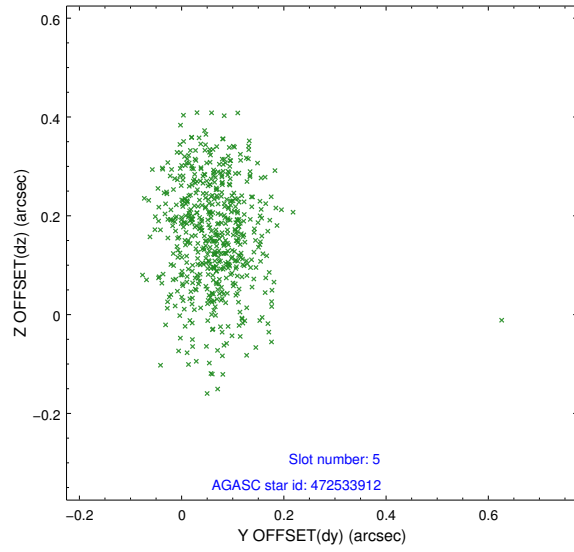
### 2.4.1 Slot 3



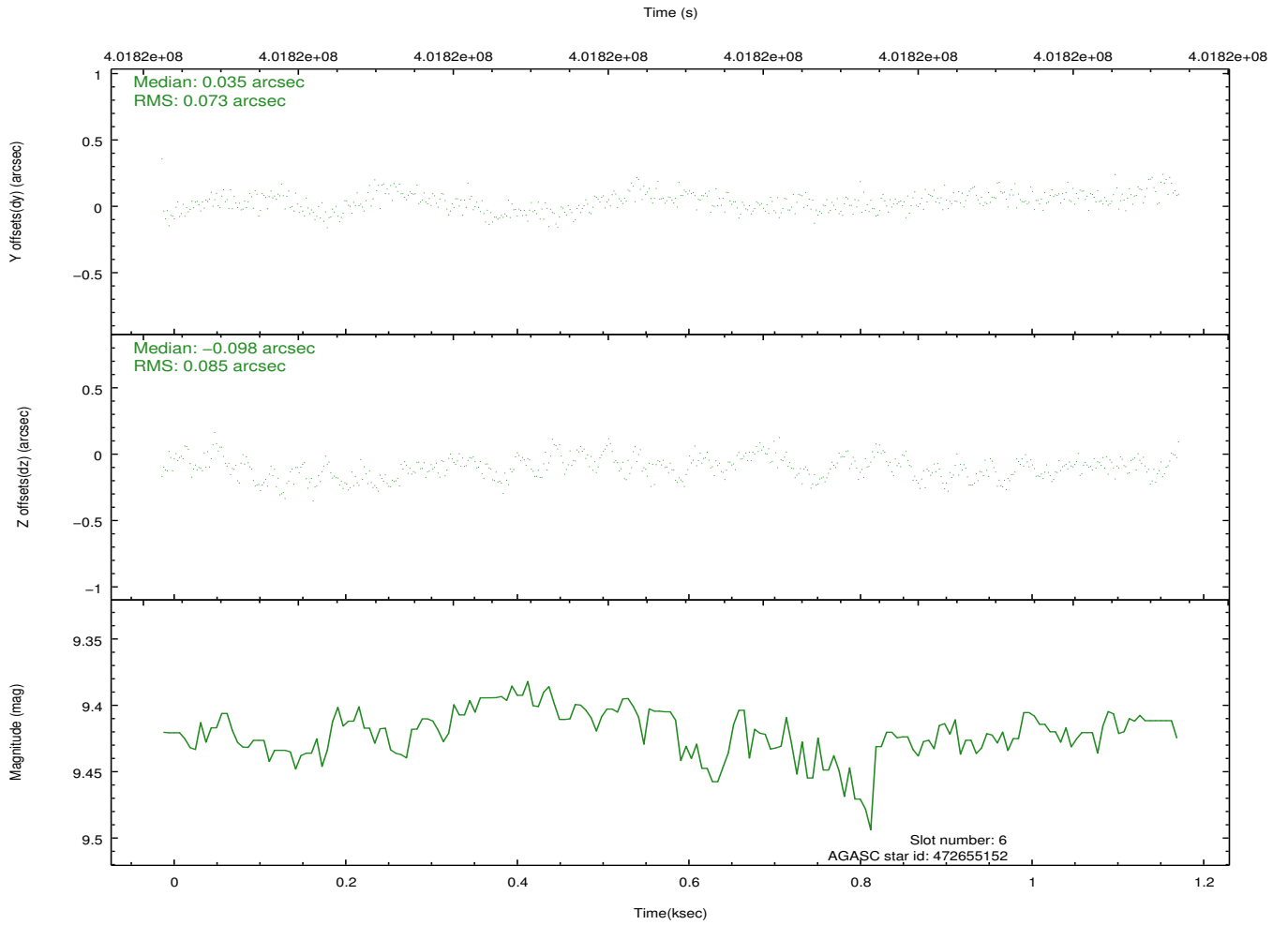
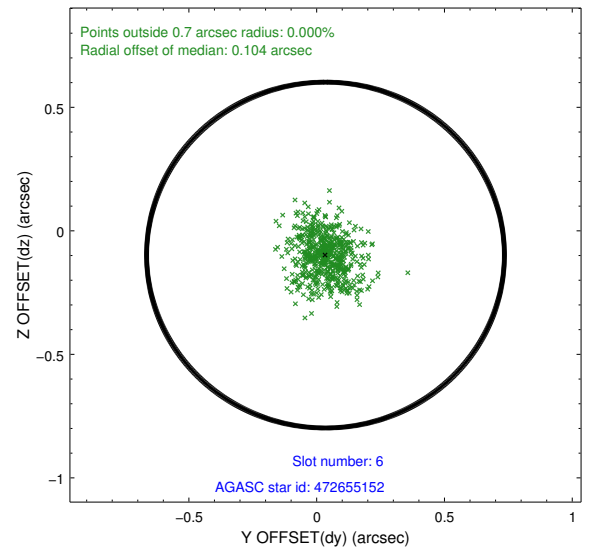
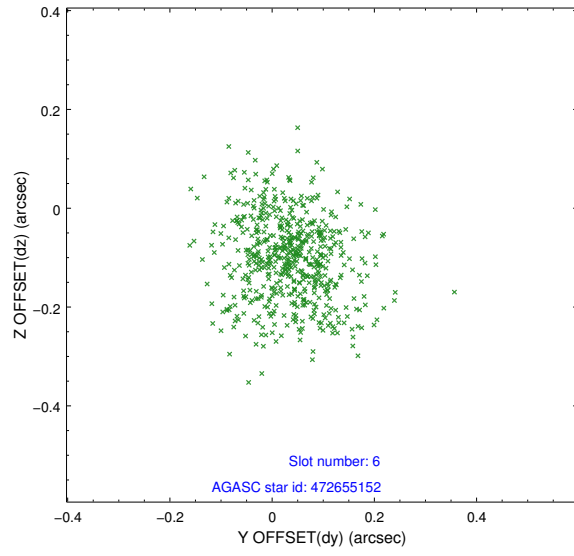
## 2.4.2 Slot 4



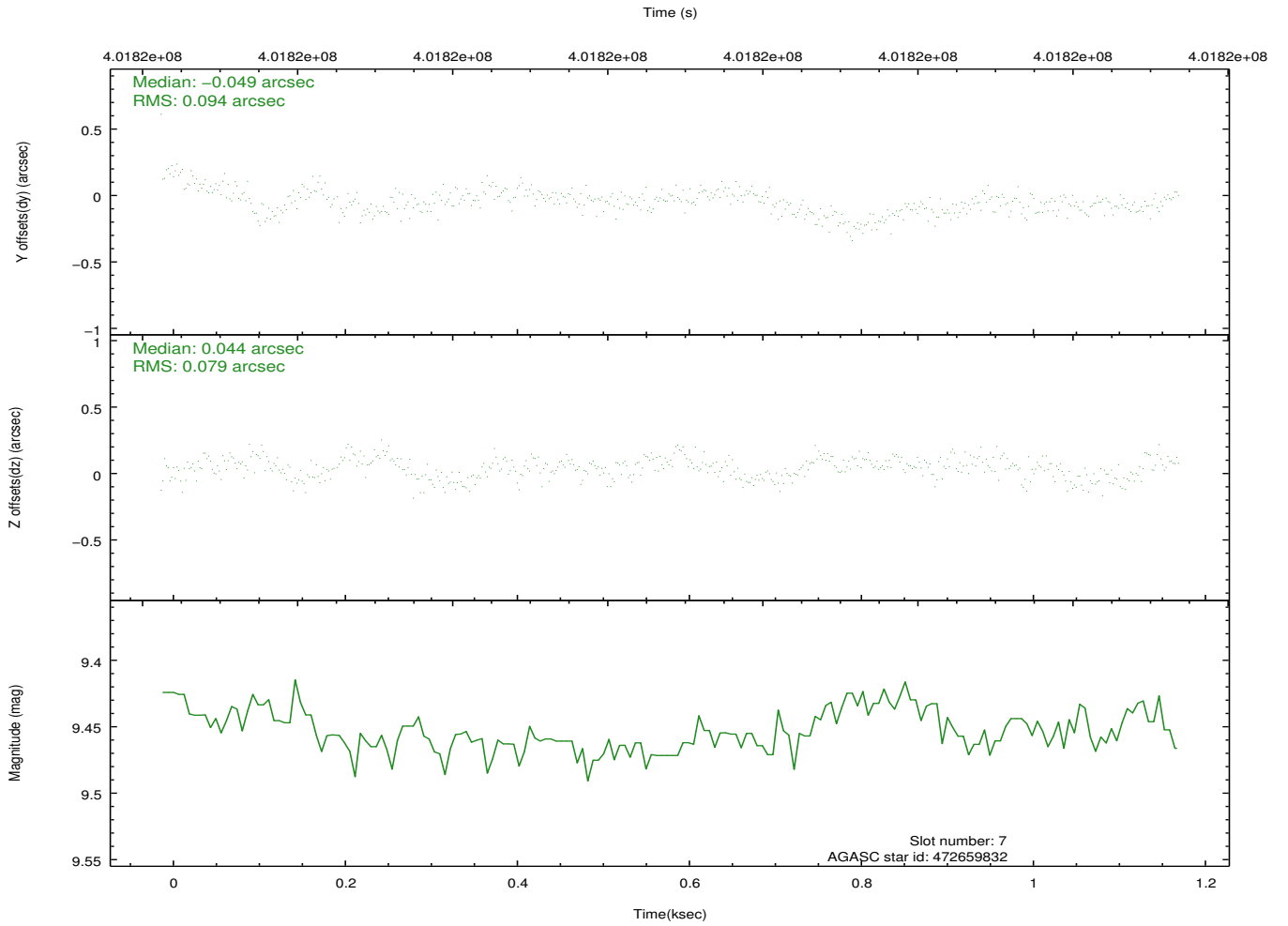
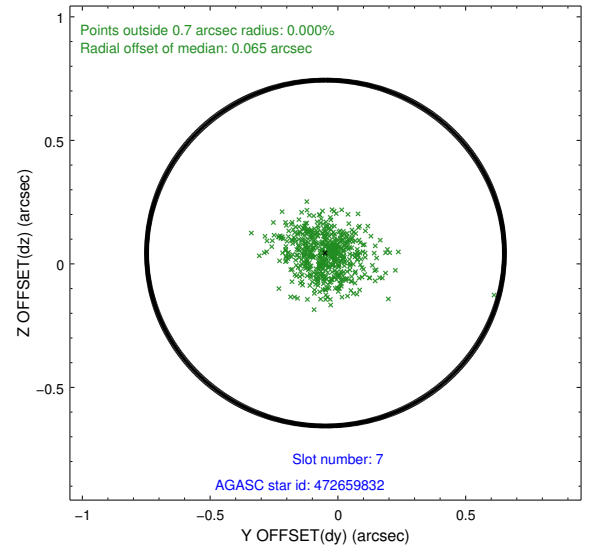
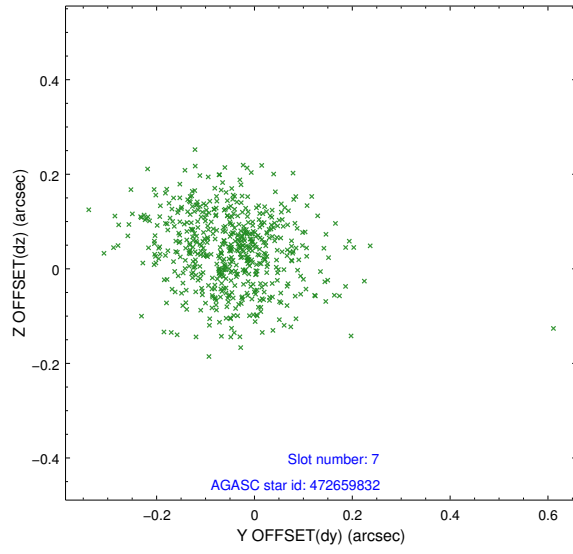
### 2.4.3 Slot 5



## 2.4.4 Slot 6

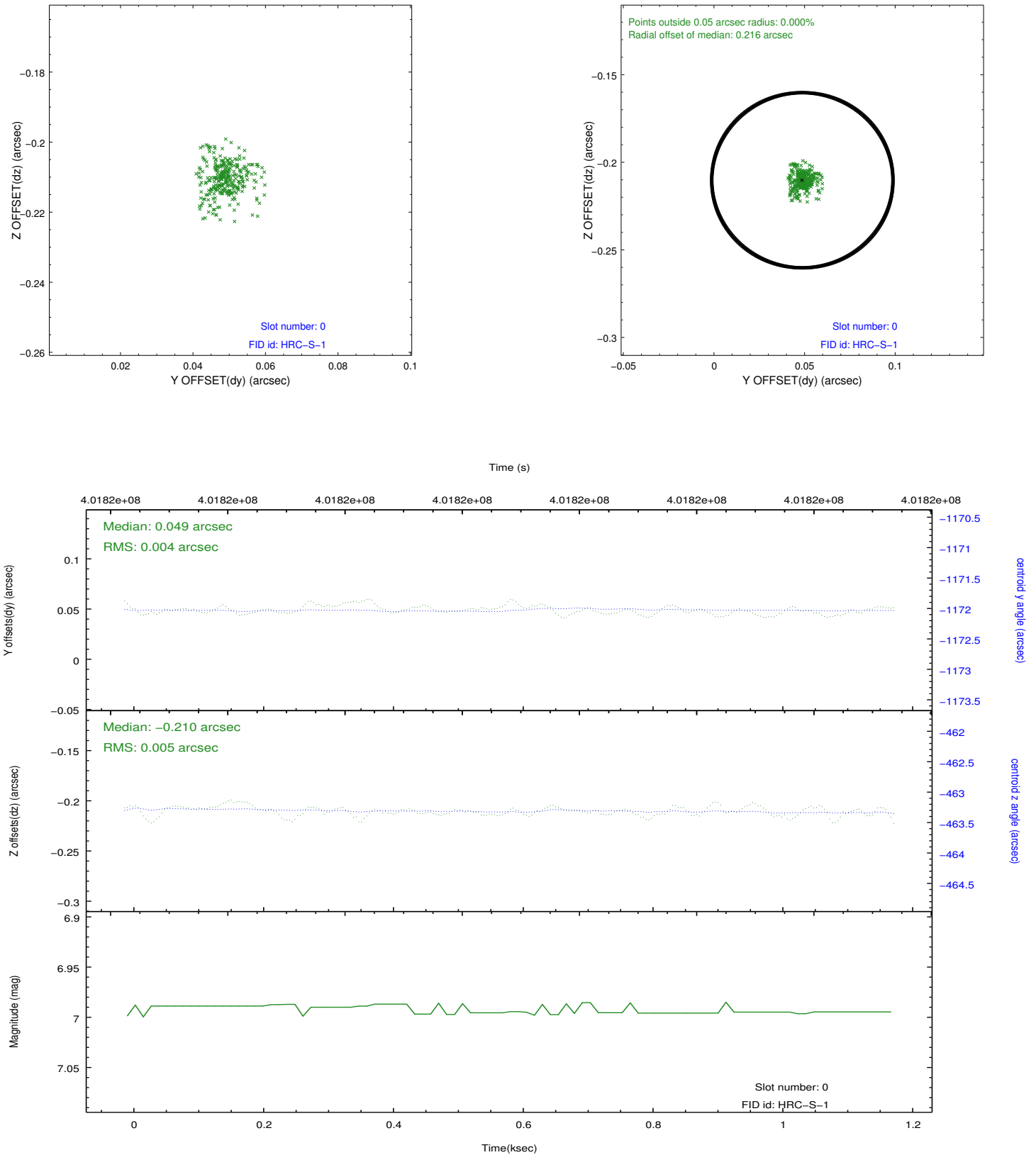


## 2.4.5 Slot 7

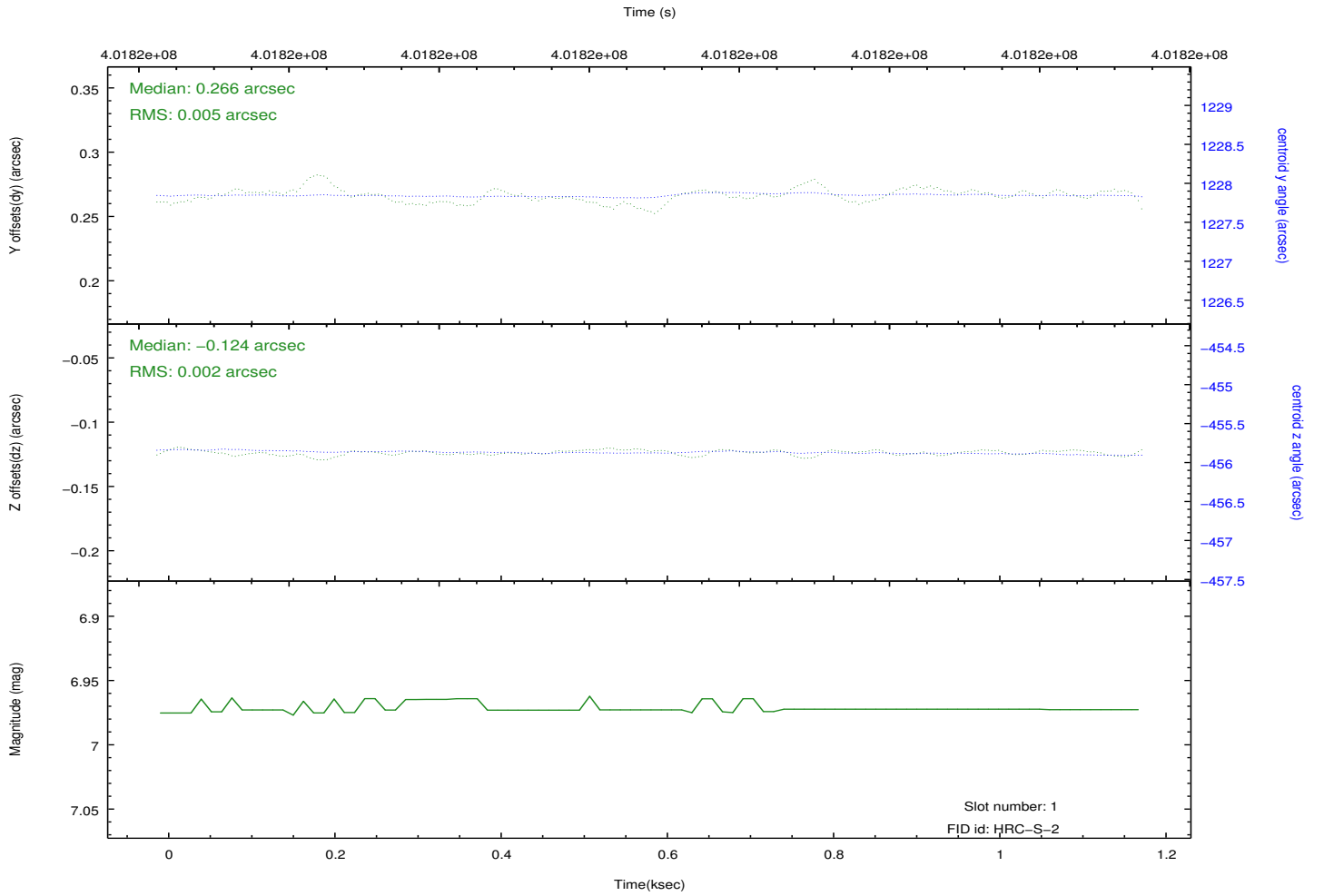
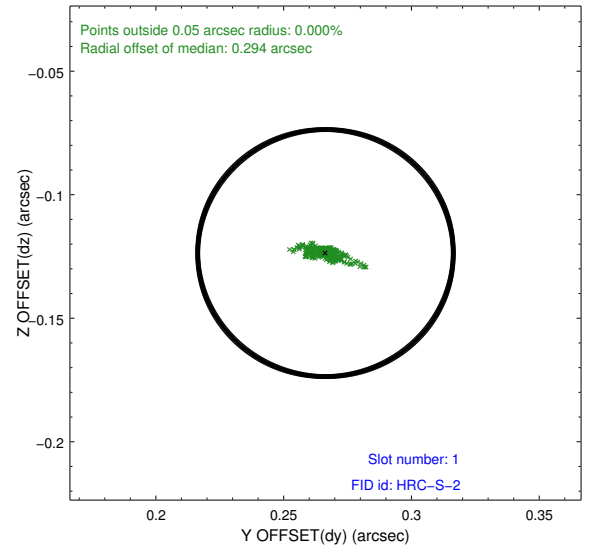
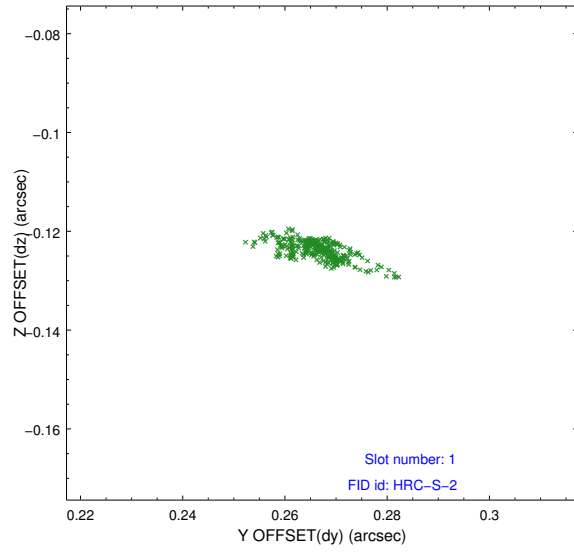


## 2.5 FID Slots

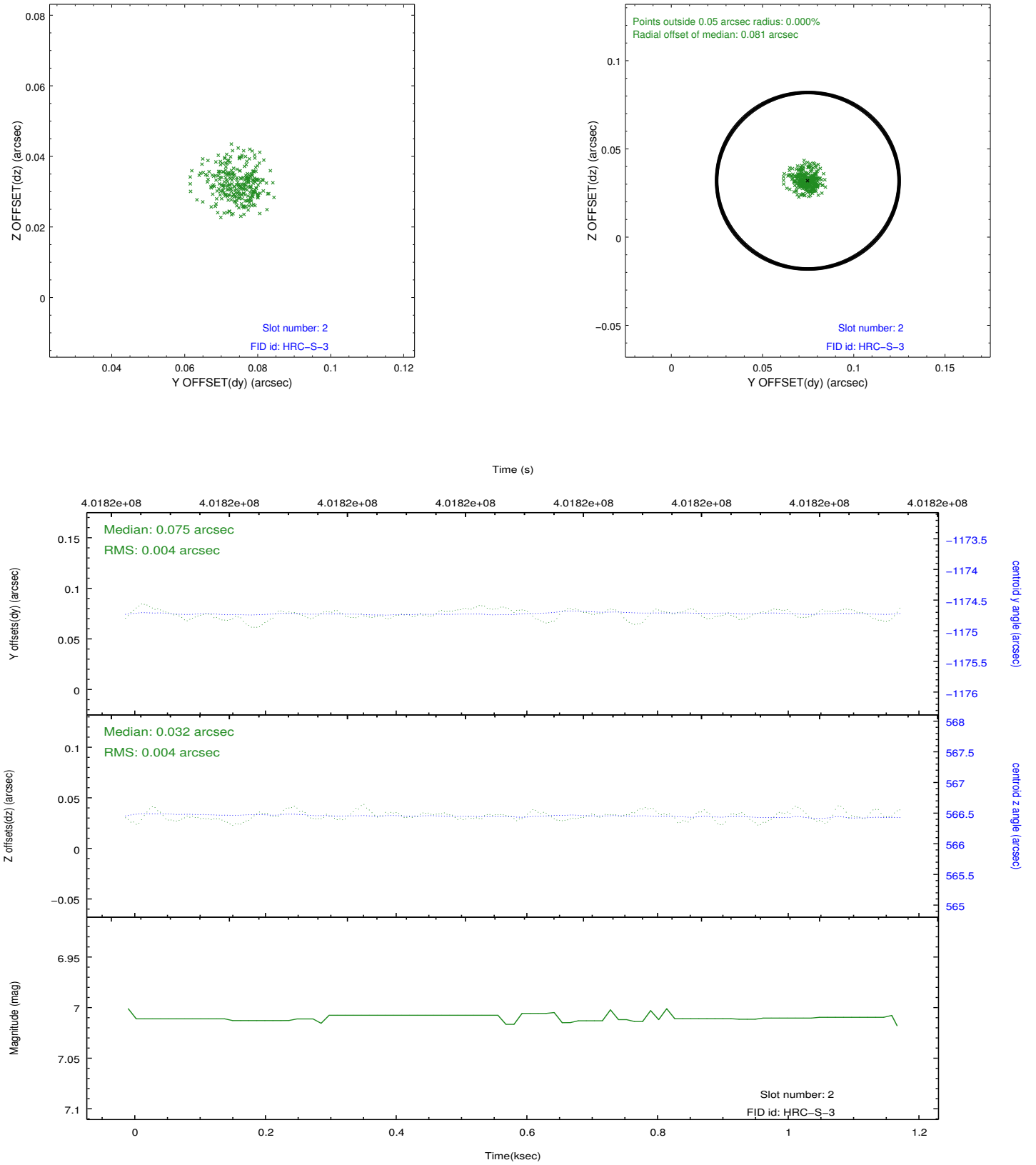
### 2.5.1 Slot 0



## 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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1554313092828

### A.2 Comments