

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6509 - L2 Version 3  
Chandra X-Ray Center

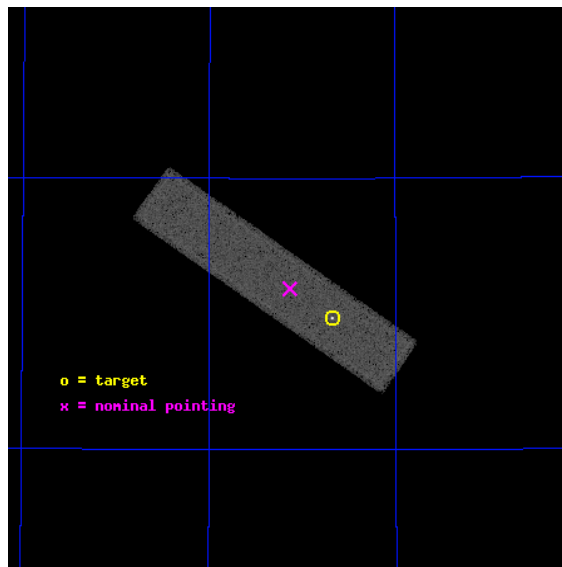
L2 Processing Date : Aug 11 2012

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# 1 Front

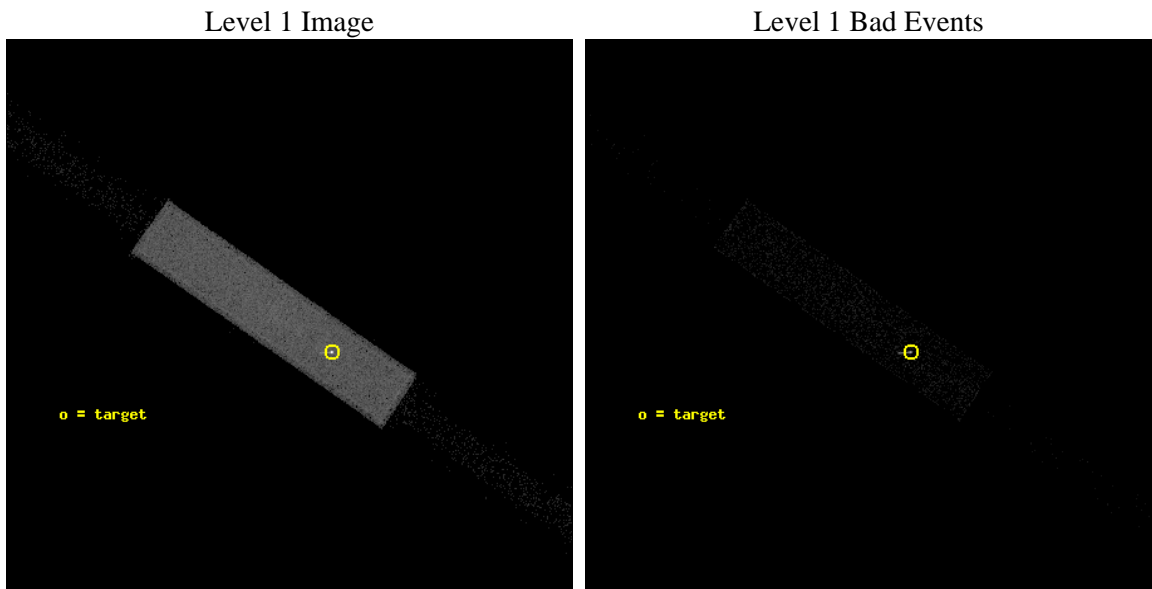
seq_num	290602	Sequence number
obs_id	6509	Observation id
title	AO7B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.28310392329	Nominal RA [deg]
dec_nom	45.796527843374	Nominal Dec [deg]
roll_nom	214.70436110927	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1155.431304276	[s]
livetime	1146.4478705196	Ontime multiplied by DTCOR
l2events	63572	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	1155.431304276	[s]
caldbver	4.5.1.1	&#160	l1events	101708	Number of level 1 events
date	2012-08-11T13:51:15	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

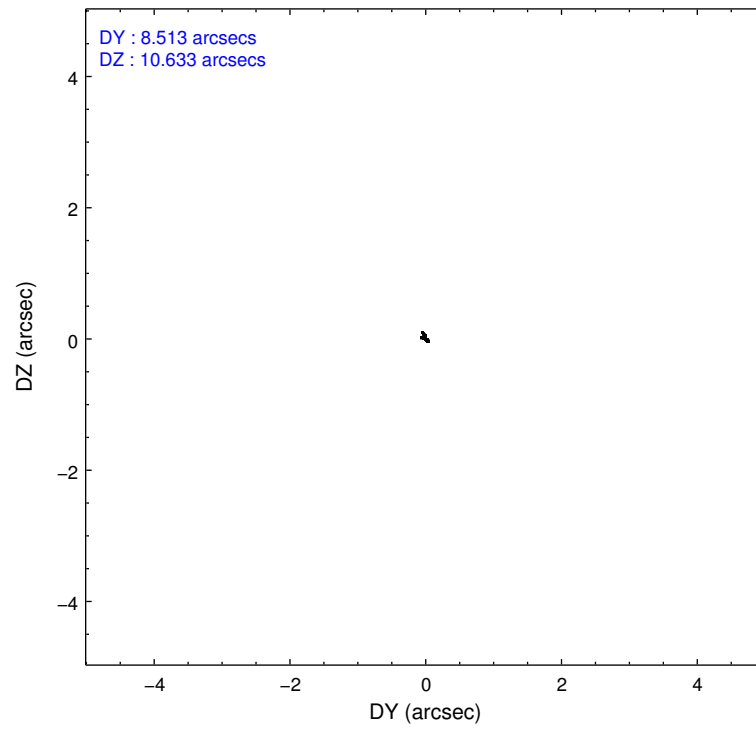
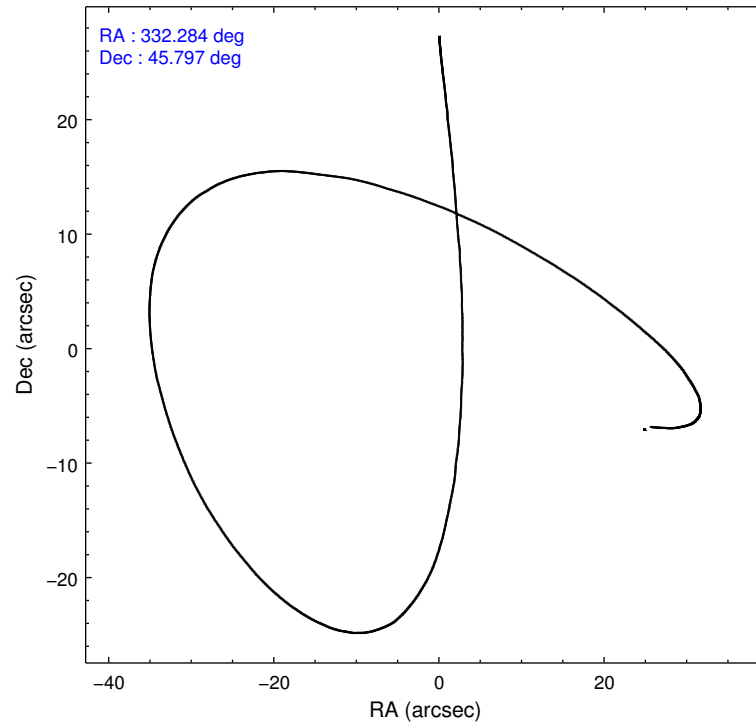
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	883	99967	858
rejected events	883	22887	858
rejected %	100%	22%	100%

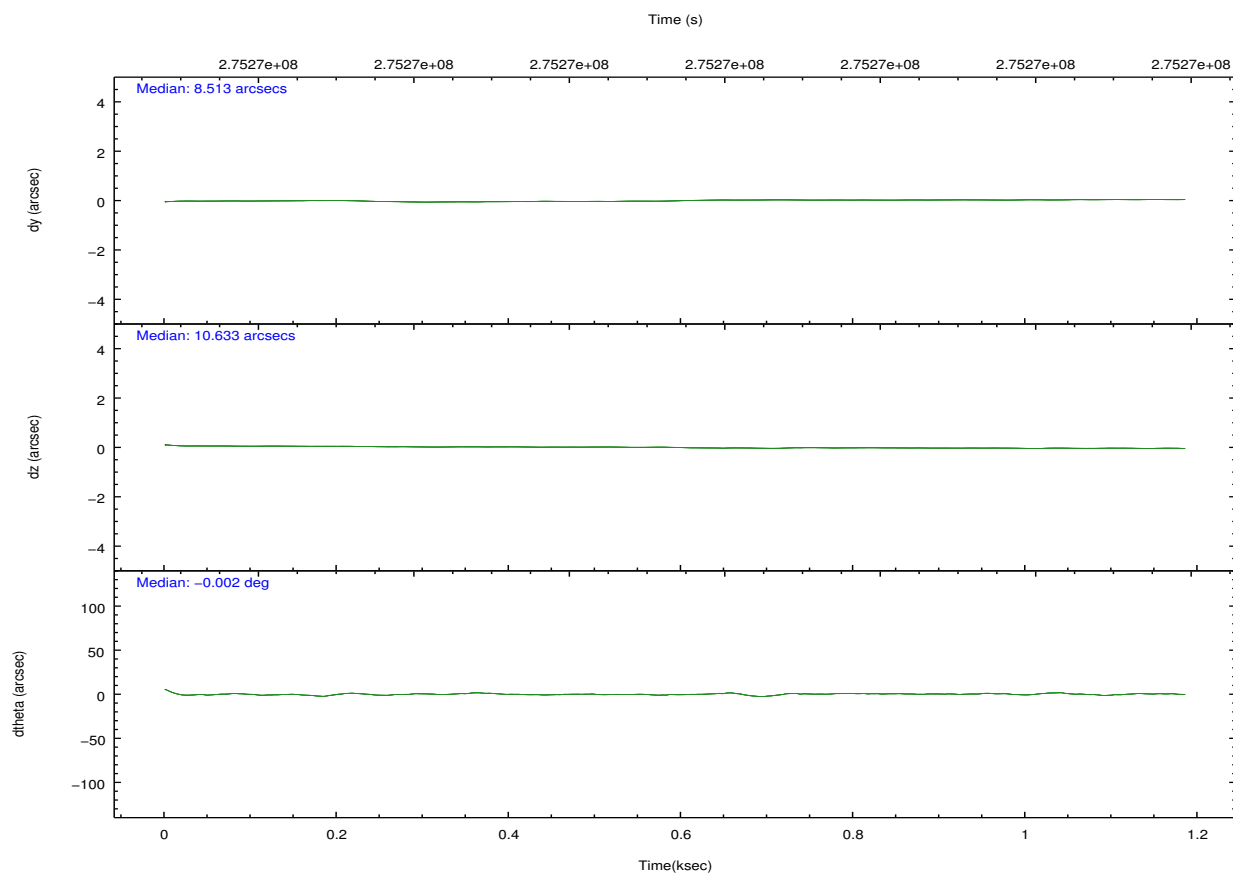
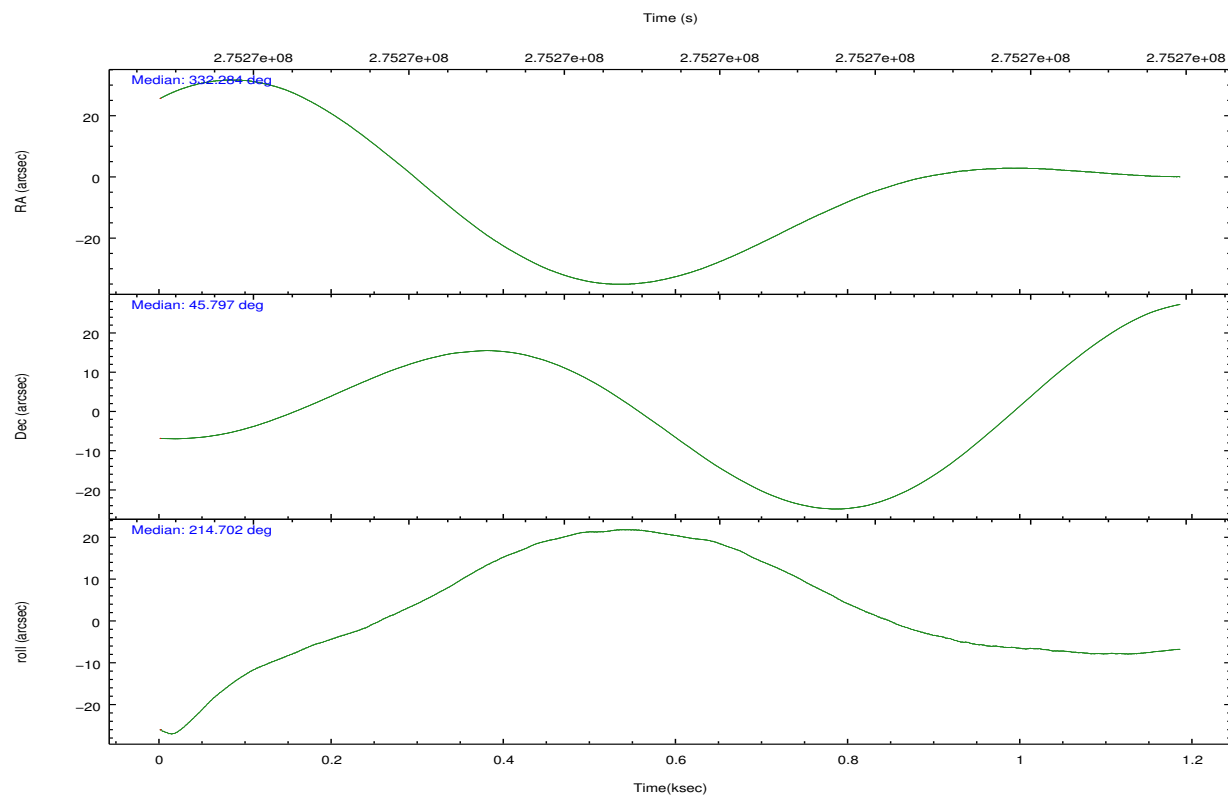
## 2.2 Compared Parameters

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	332.297943	332.2831039232926
[deg] Pointing Dec	45.823080	45.79652784337371
[deg] Pointing Roll	214.626353	214.7043611092708
[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)	275271930.184000	275271554.13063
Observation start date	2006-09-22T00:24:25	2006-09-22T00:19:14
[s] Observation end time (MET)	275272930.184000	275273064.4682
Observation end date	2006-09-22T00:41:05	2006-09-22T00:44:24

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

## 2.3 Aspect





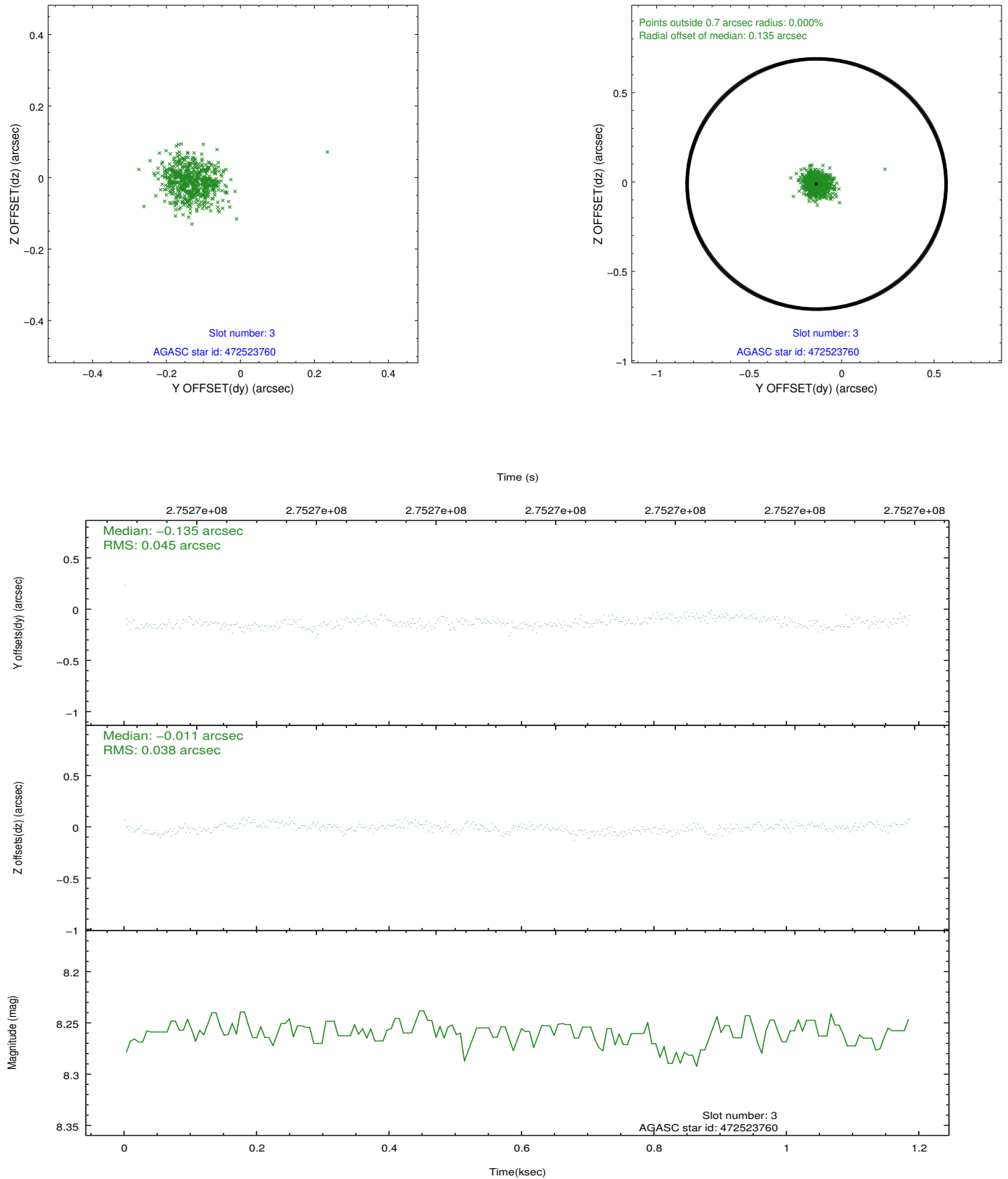
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.05	290	0.142	-0.155	0.008	0.020	0.000000	0.000000	1236.97	-452.01
1	FID	HRC-S-3	7.07	290	0.049	-0.096	0.005	0.010	0.000000	0.000000	-1161.21	568.72
2	FID	HRC-S-4	7.02	290	0.214	-0.045	0.007	0.022	0.000000	0.000000	1231.65	574.79
3	GUIDE	472523760	8.26	579	-0.135	-0.011	0.061	0.100	331.645363	45.403260	2214.09	299.74
4	GUIDE	472533912	9.17	578	0.014	0.048	0.117	0.189	331.791136	46.368695	-76.67	-2335.54
5	GUIDE	472655152	9.43	579	0.021	-0.131	0.115	0.188	332.504239	45.862991	-505.83	169.82
6	GUIDE	472663080	9.42	579	0.052	0.056	0.097	0.159	332.652741	46.473840	-2055.09	-1430.49
7	GUIDE	472665256	9.02	577	0.047	0.058	0.084	0.143	332.808125	46.195041	-1810.99	-386.48

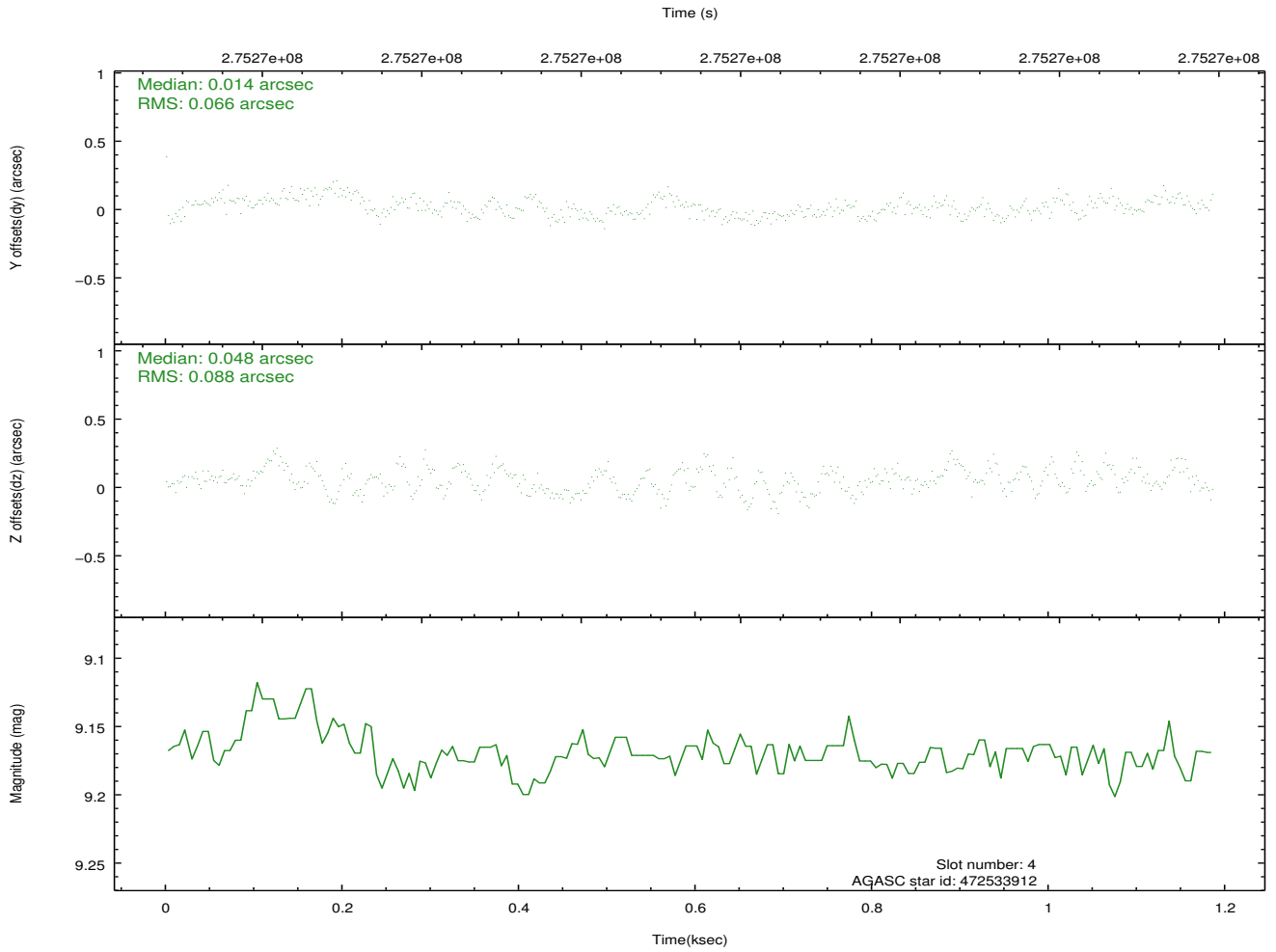
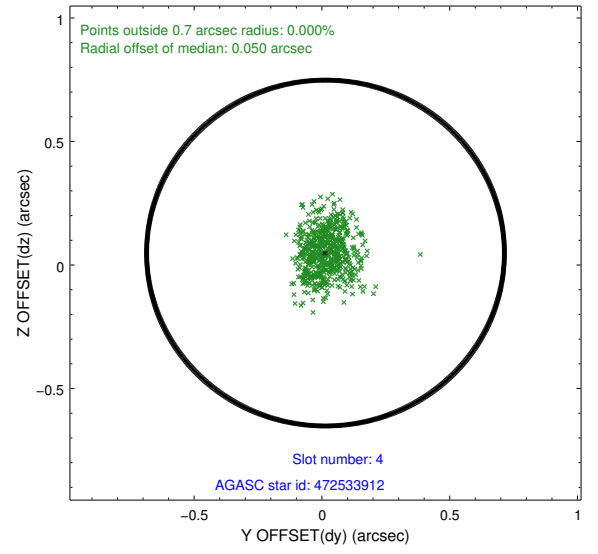
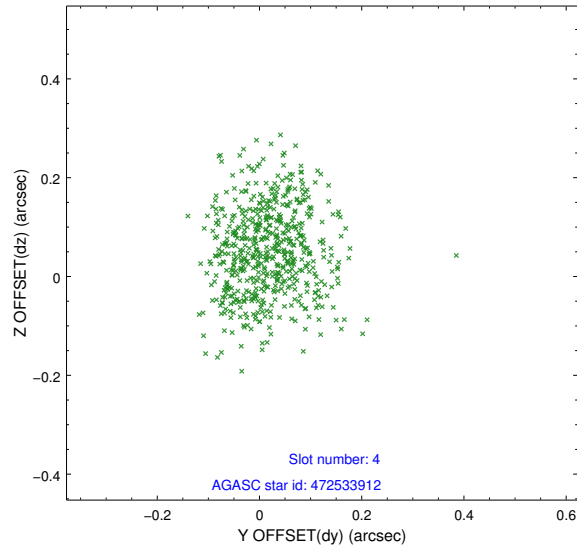


## 2.4 Star Slots

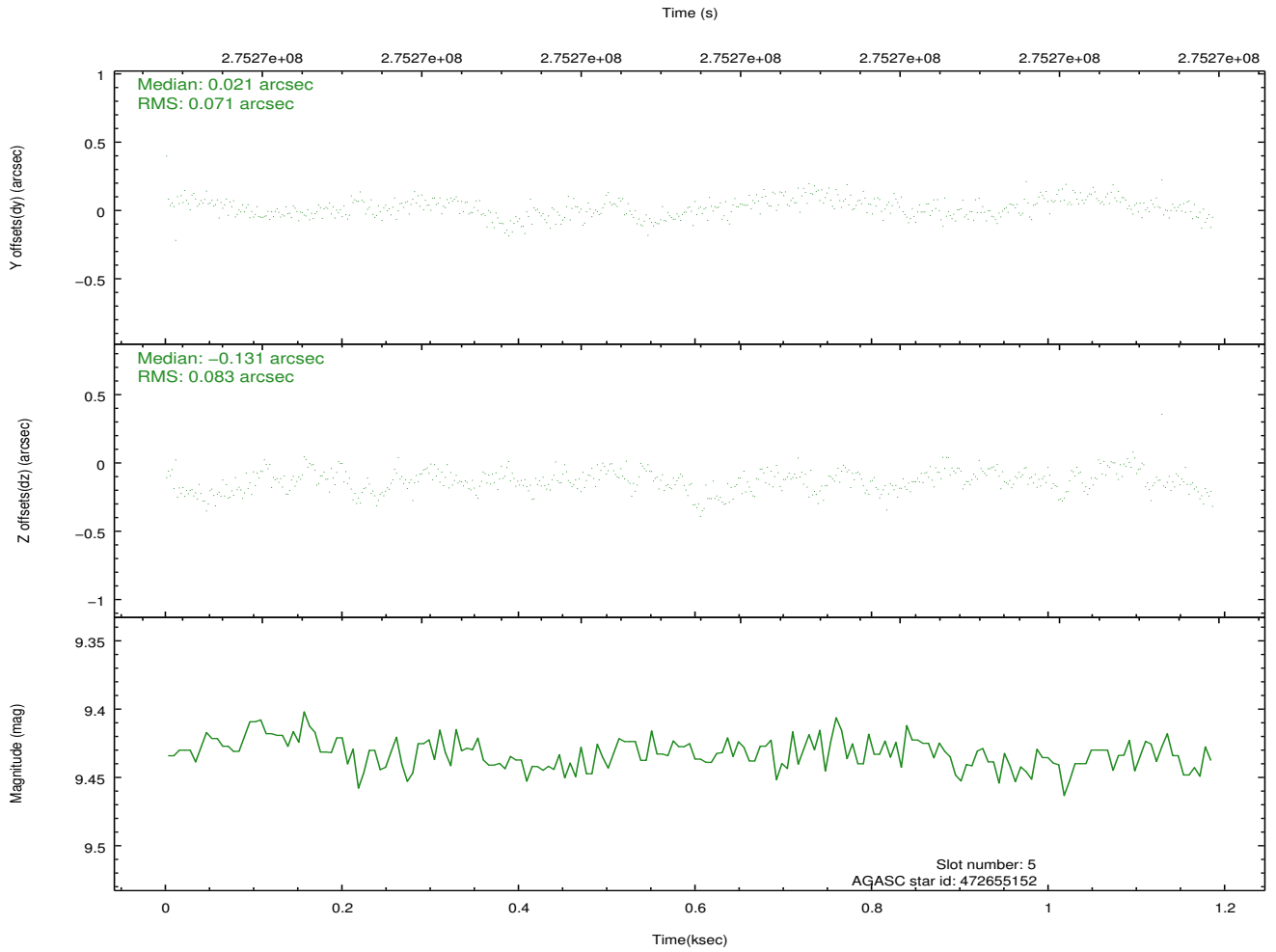
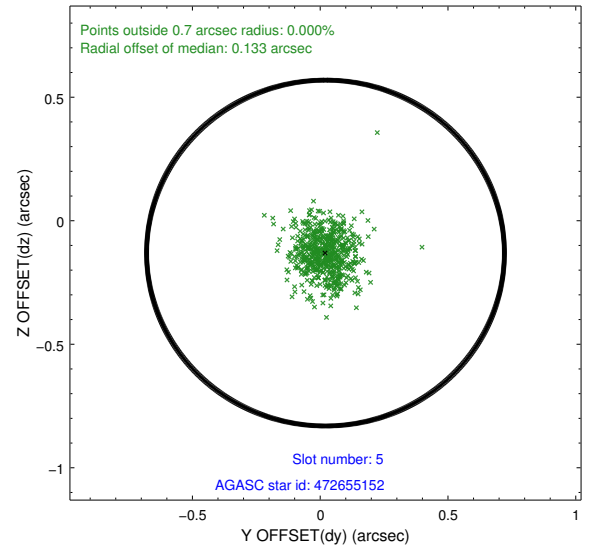
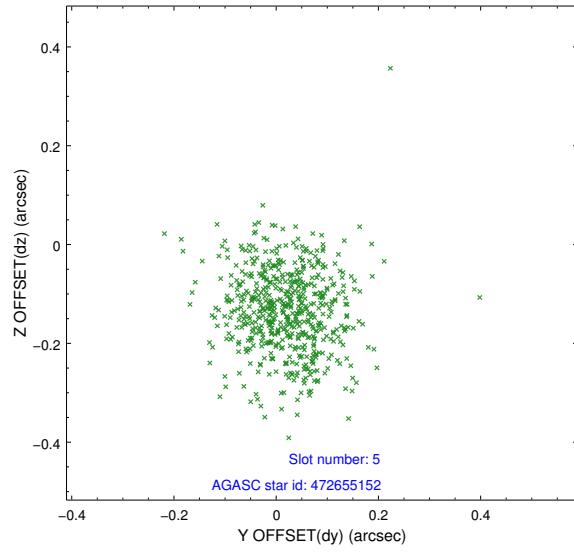
### 2.4.1 Slot 3



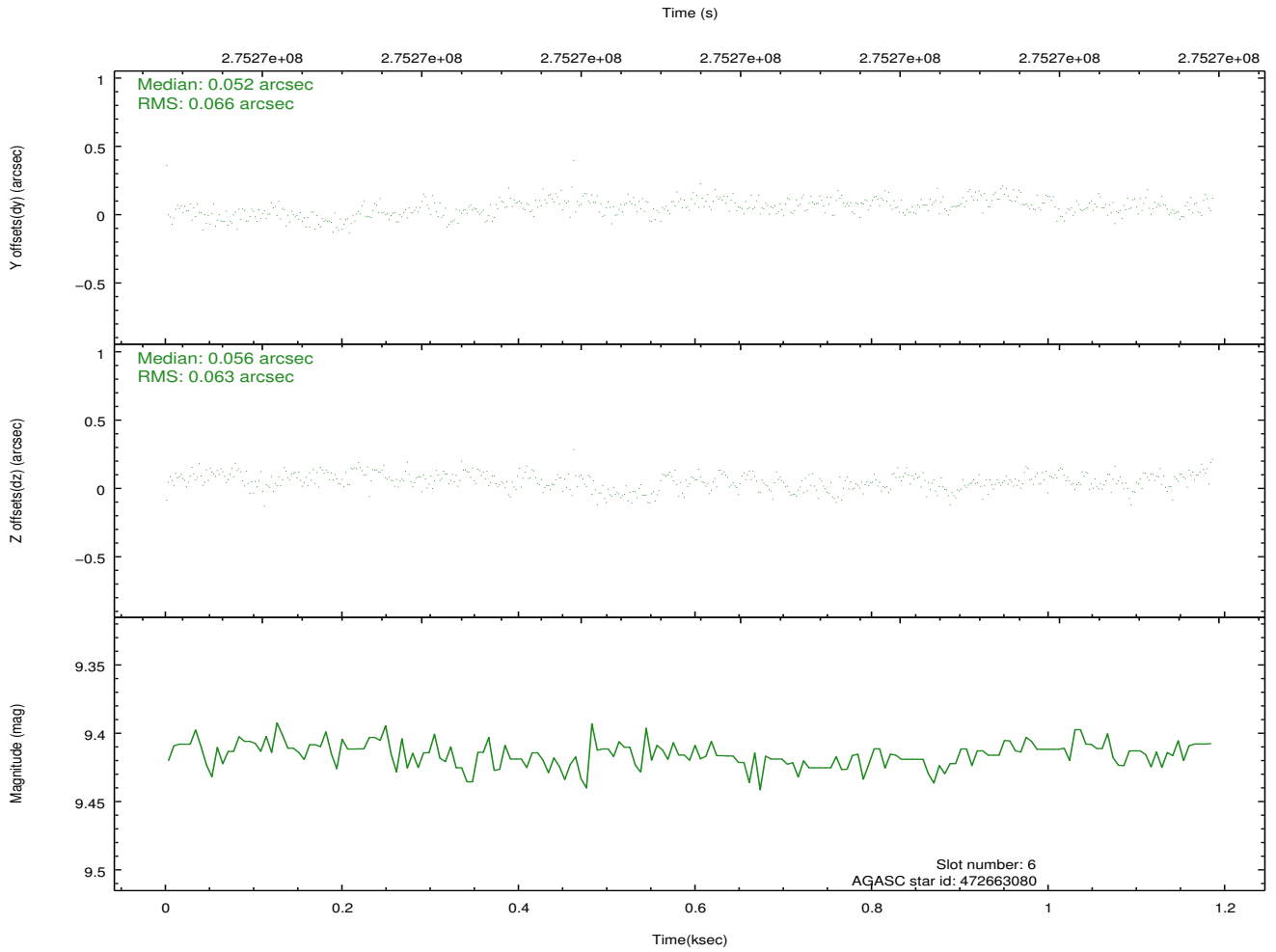
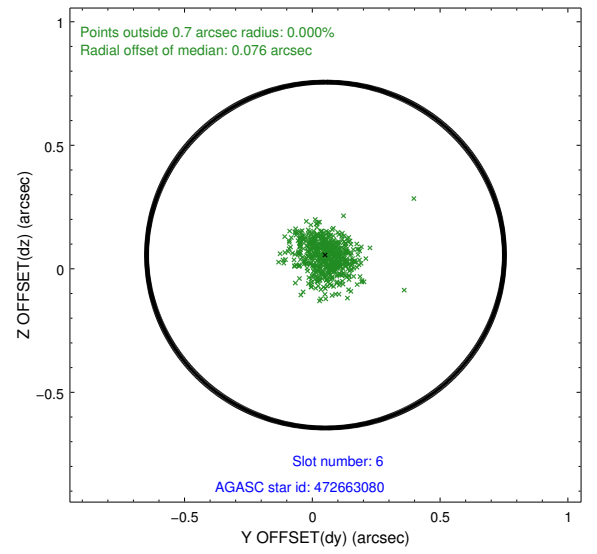
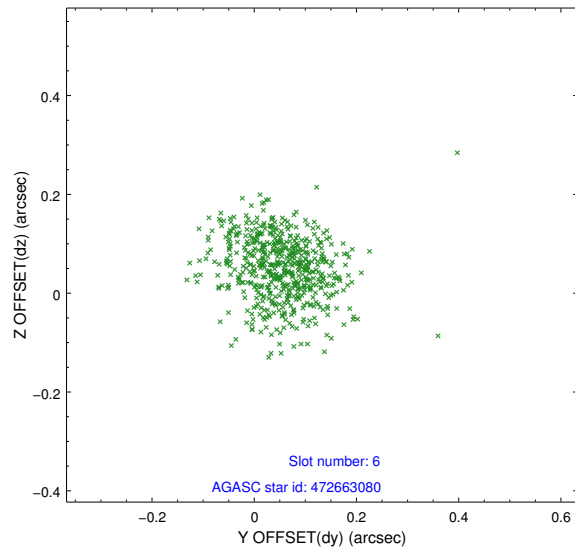
## 2.4.2 Slot 4



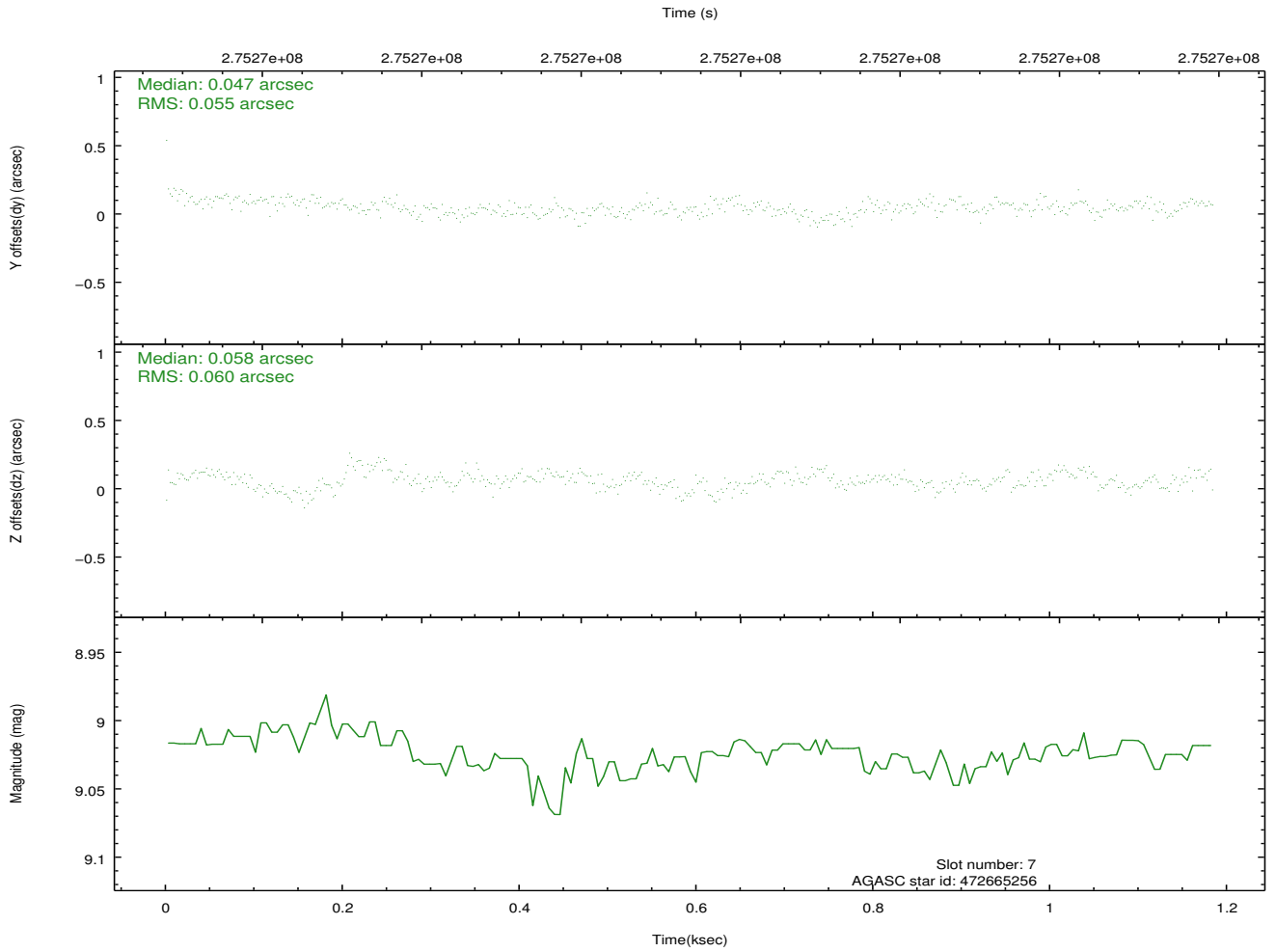
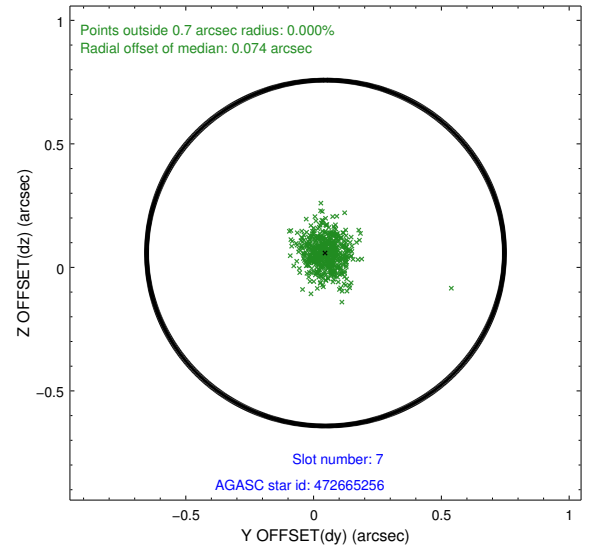
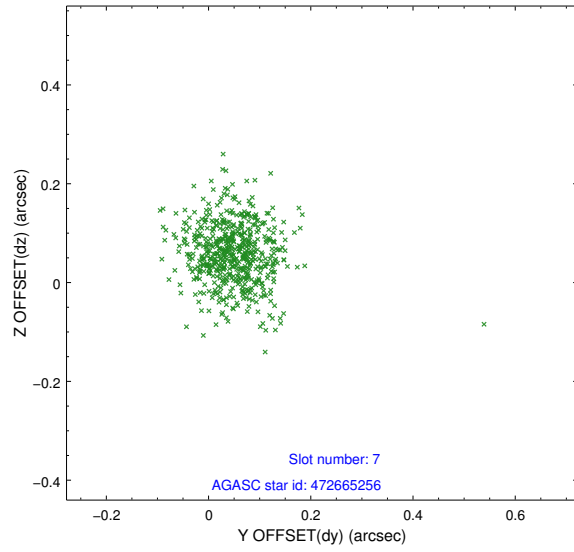
### 2.4.3 Slot 5



## 2.4.4 Slot 6

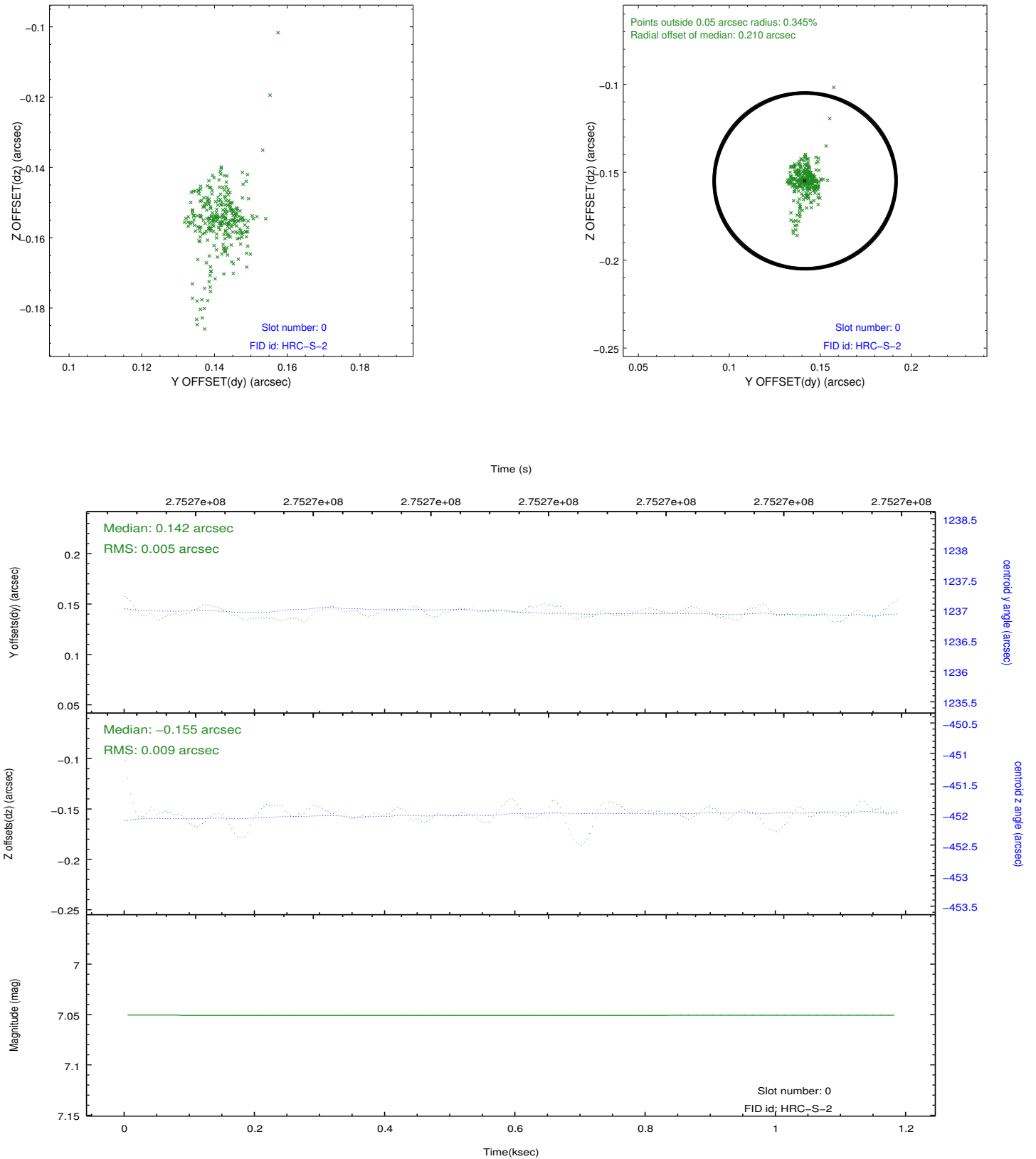


## 2.4.5 Slot 7

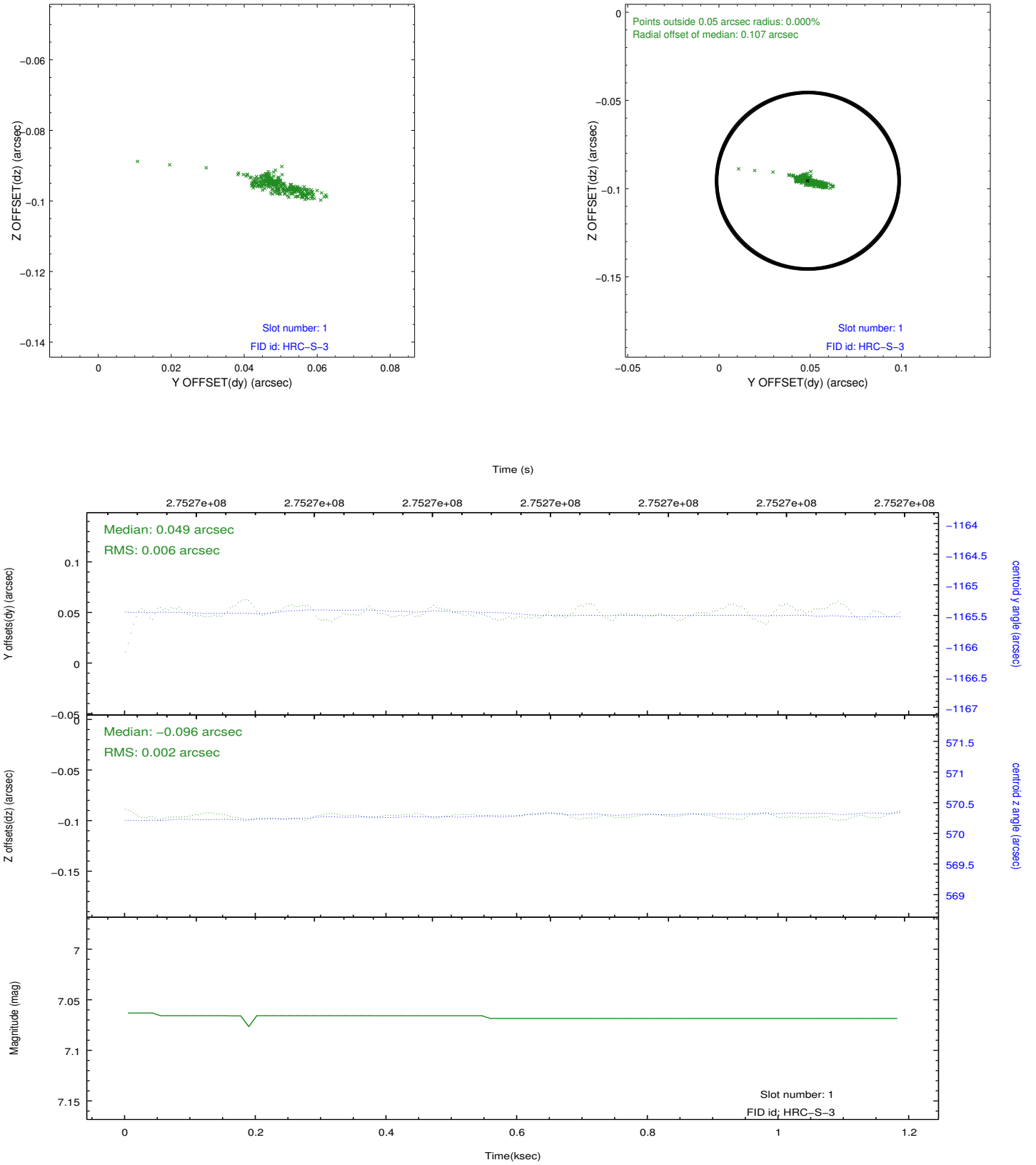


## 2.5 FID Slots

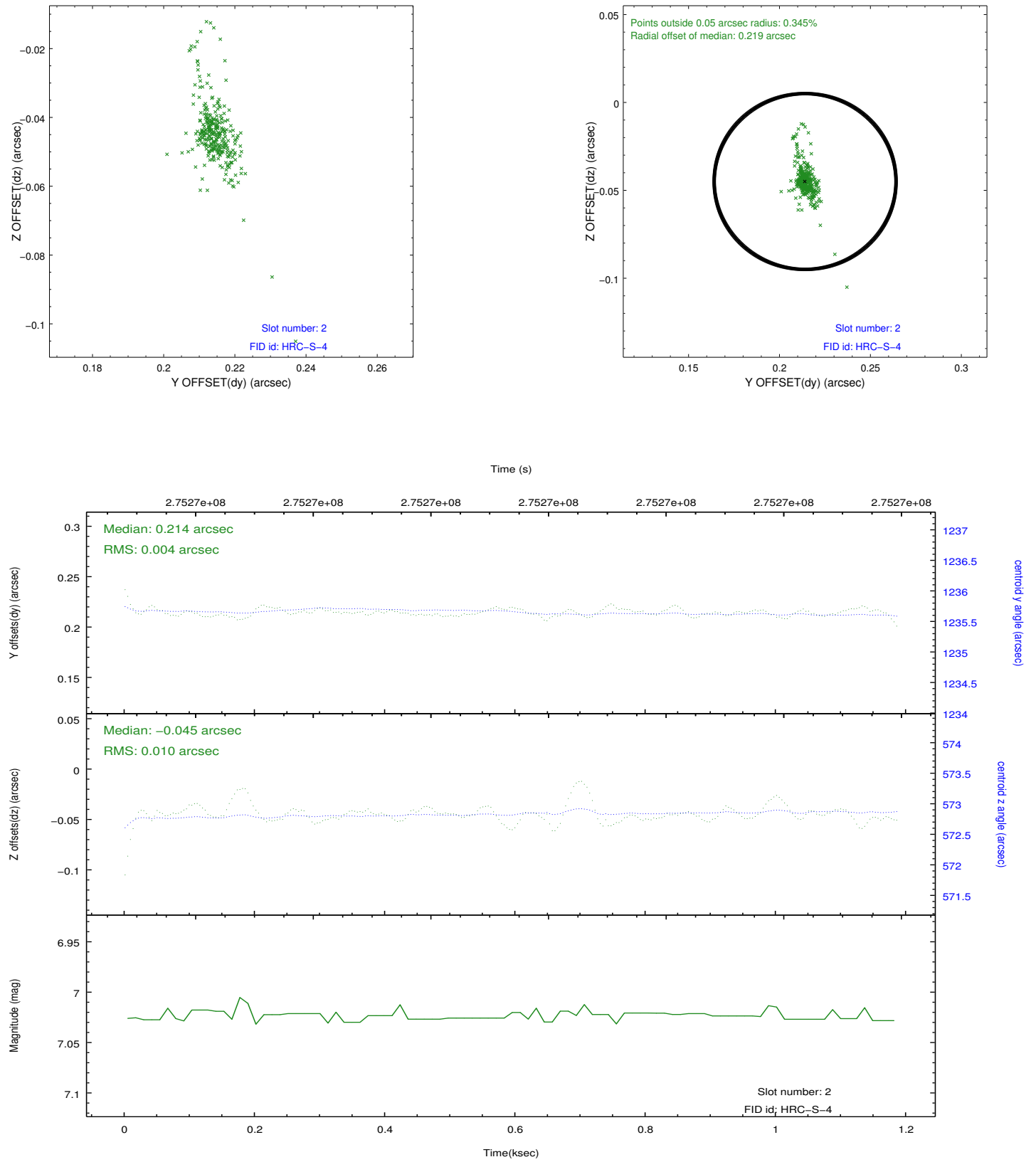
### 2.5.1 Slot 0



## 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)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1554313

### A.2 Comments