

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6499 - L2 Version 3  
Chandra X-Ray Center

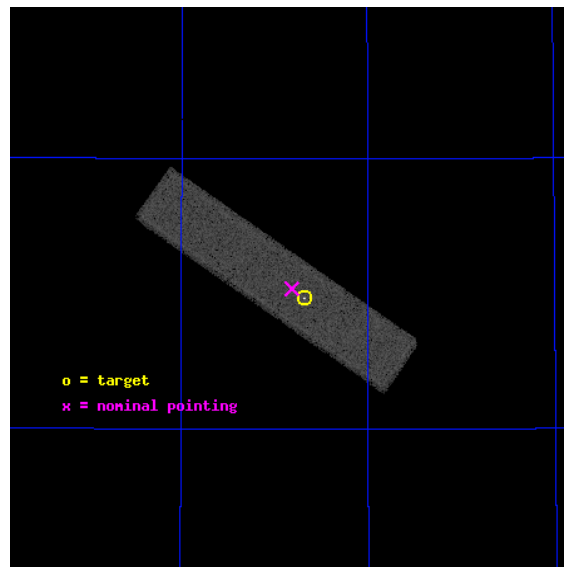
L2 Processing Date : Aug 11 2012

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# 1 Front

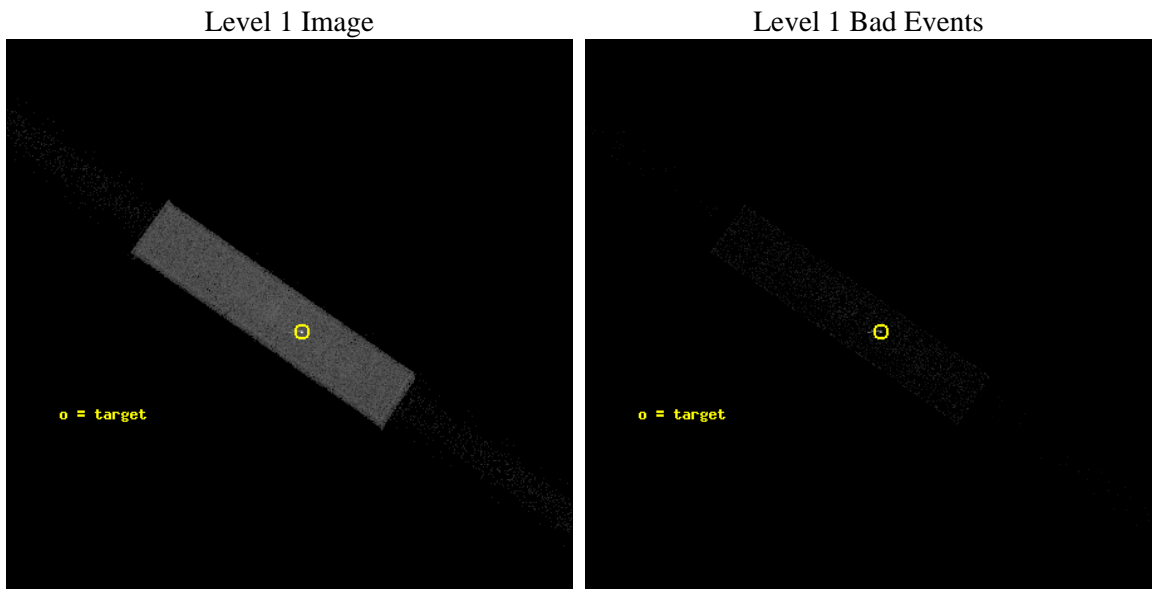
seq_num	290592	Sequence number
obs_id	6499	Observation id
title	AO7B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.2034522726	Nominal RA [deg]
dec_nom	45.759715640503	Nominal Dec [deg]
roll_nom	214.60109562814	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1155.4313043952	[s]
livetime	1146.3913420221	Ontime multiplied by DTCOR
l2events	63667	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	1155.4313043952	[s]
caldsver	4.5.1.1	&#160	l1events	102359	Number of level 1 events
date	2012-08-11T13:27:54	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

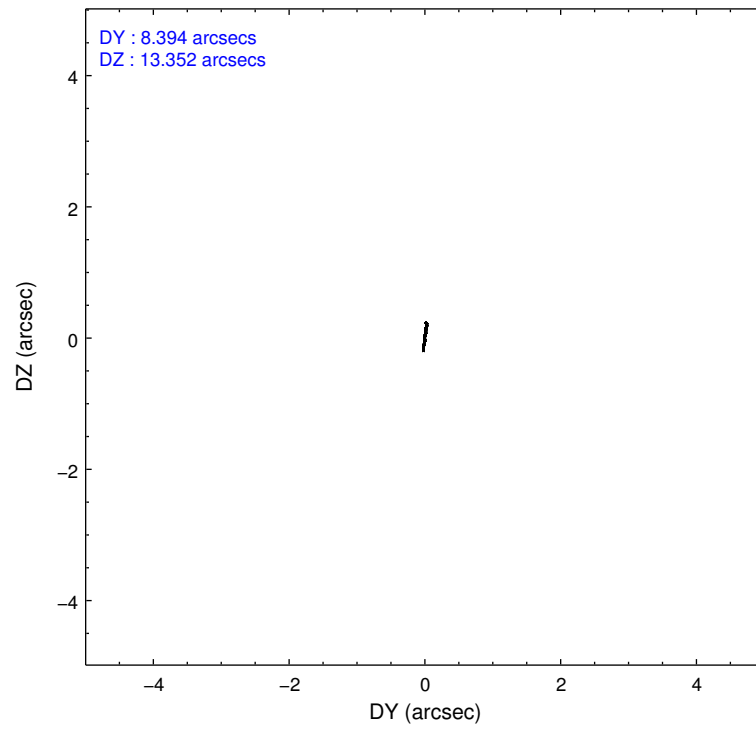
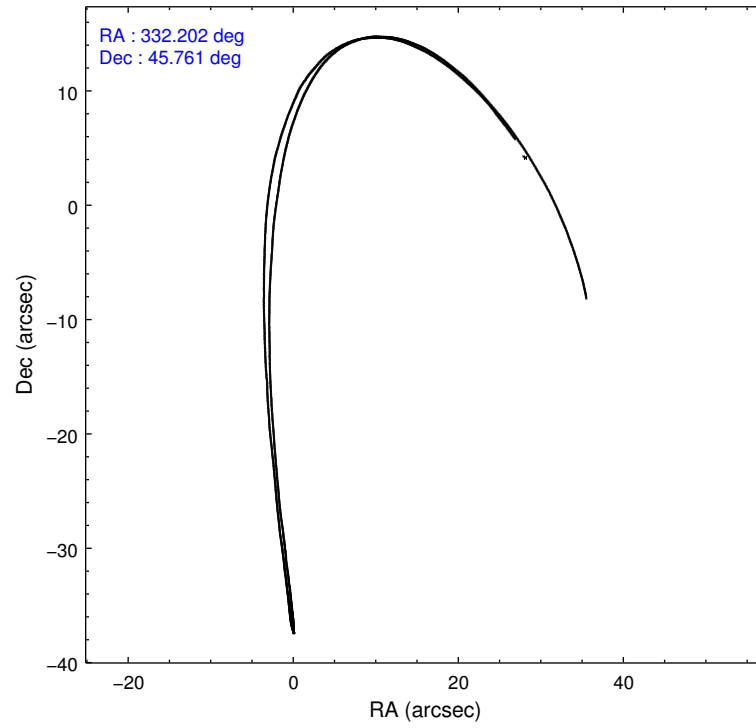
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	888	100564	907
rejected events	888	23117	907
rejected %	100%	22%	100%

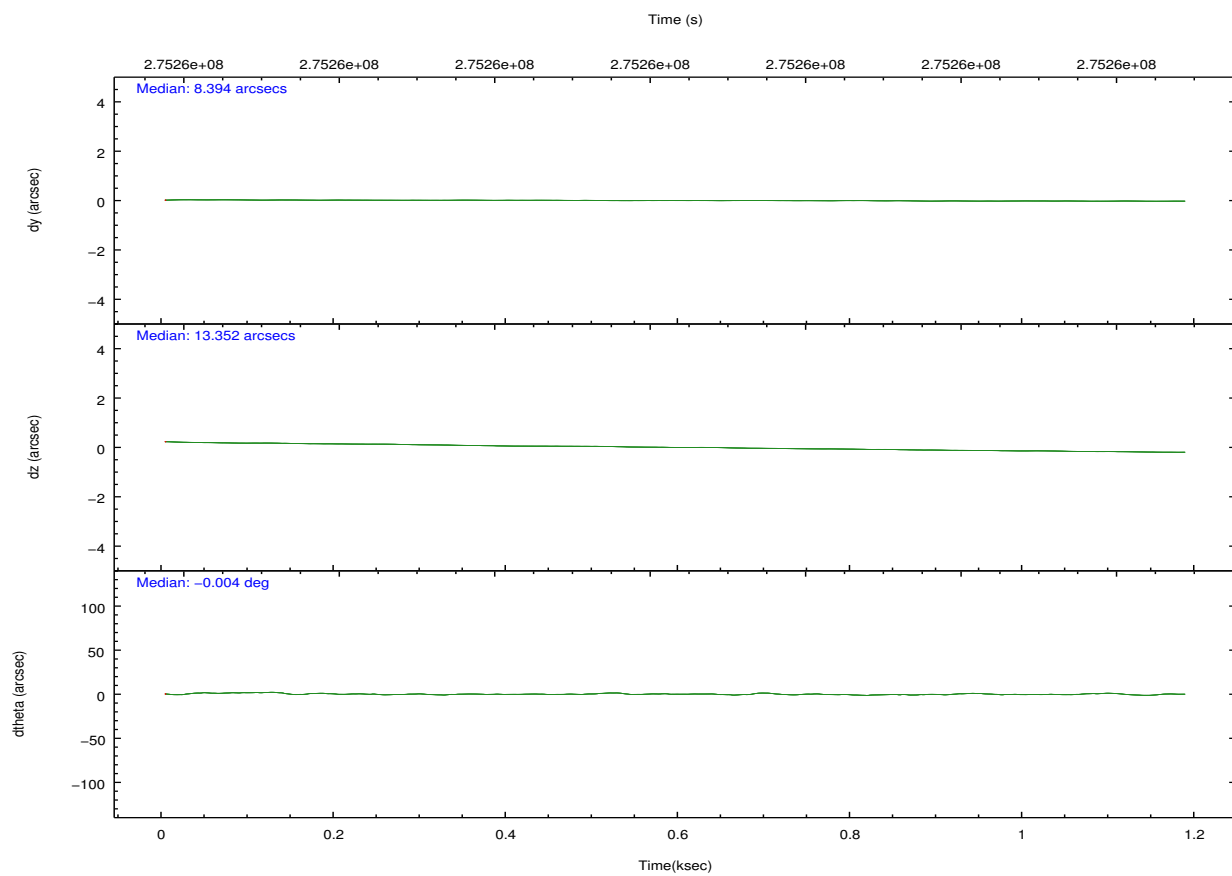
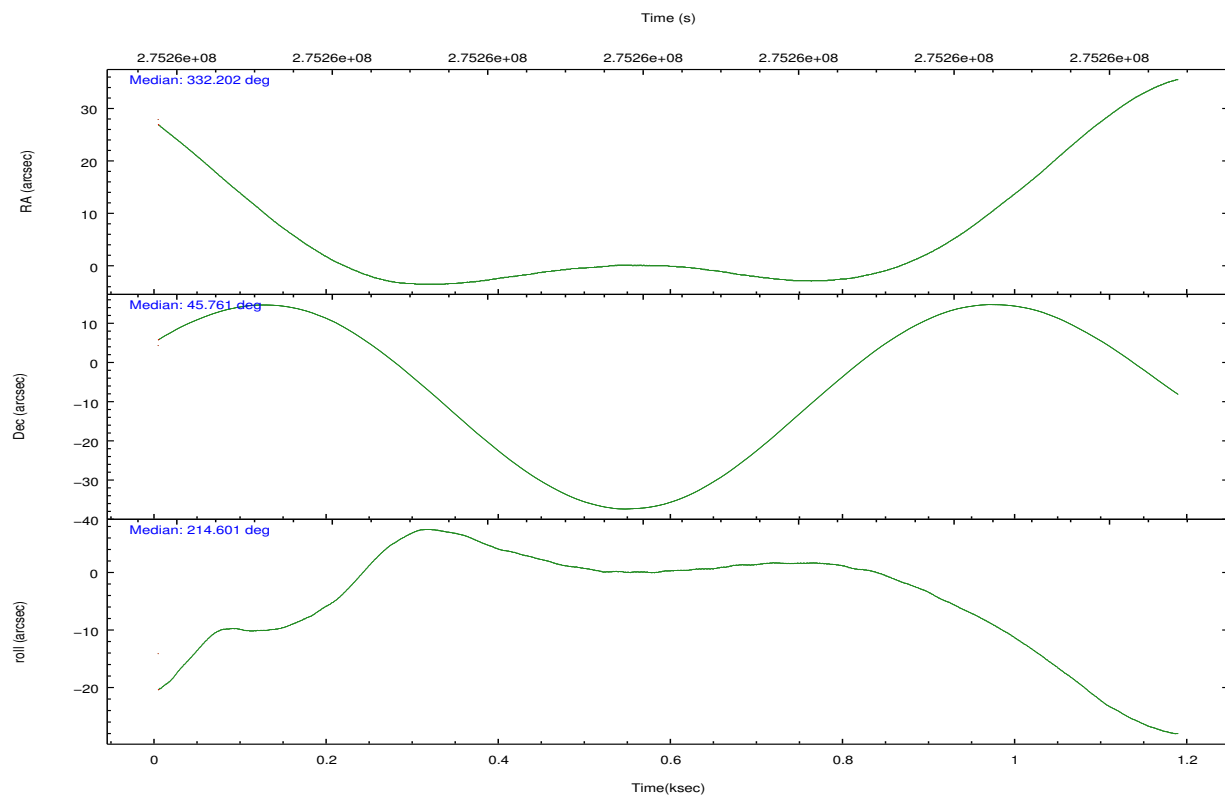
## 2.2 Compared Parameters

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	332.219452	332.2034522725965
[deg] Pointing Dec	45.785065	45.75971564050343
[deg] Pointing Roll	214.522253	214.6010956281413
[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)	275256830.184000	275256454.34242
Observation start date	2006-09-21T20:12:45	2006-09-21T20:07:34
[s] Observation end time (MET)	275257830.184000	275257964.67999
Observation end date	2006-09-21T20:29:25	2006-09-21T20:32:44

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

## 2.3 Aspect





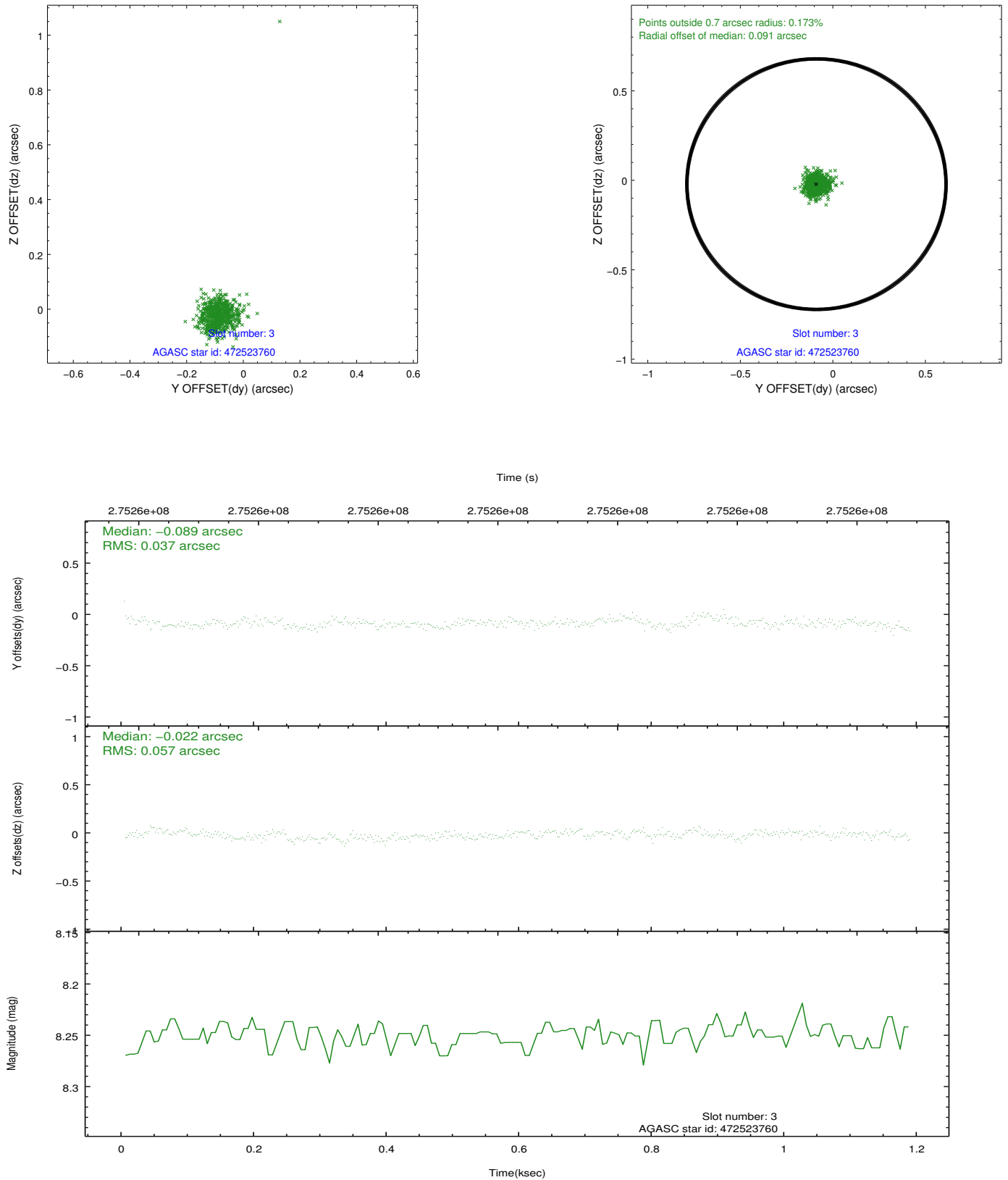
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.05	290	0.144	-0.149	0.009	0.018	0.000000	0.000000	-1162.53	-462.14
1	FID	HRC-S-2	7.05	290	0.137	-0.110	0.005	0.010	0.000000	0.000000	1233.11	-456.29
2	FID	HRC-S-3	7.08	290	0.109	-0.044	0.009	0.019	0.000000	0.000000	-1161.06	565.91
3	GUIDE	472523760	8.25	579	-0.089	-0.022	0.054	0.087	331.645363	45.403260	1973.53	309.76
4	GUIDE	472533912	9.17	576	-0.001	0.071	0.131	0.214	331.791136	46.368695	-310.35	-2332.01
5	GUIDE	472655152	9.43	578	-0.045	-0.130	0.116	0.205	332.504239	45.862991	-746.52	172.25
6	GUIDE	472665256	9.02	579	0.065	0.053	0.075	0.117	332.808125	46.195041	-2047.36	-384.95
7	GUIDE	472663080	9.42	578	0.077	0.035	0.091	0.143	332.652741	46.473840	-2293.50	-1433.37

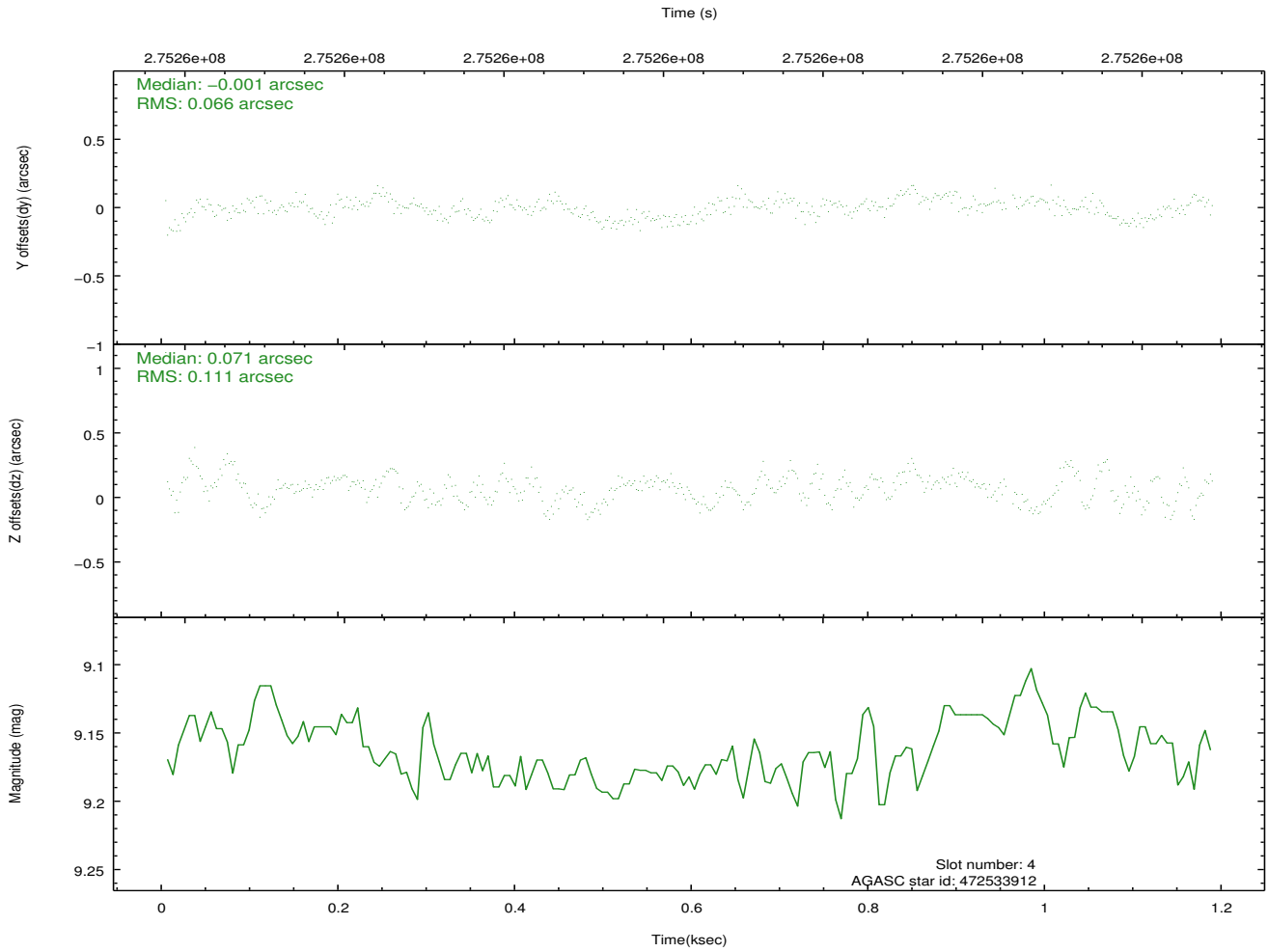
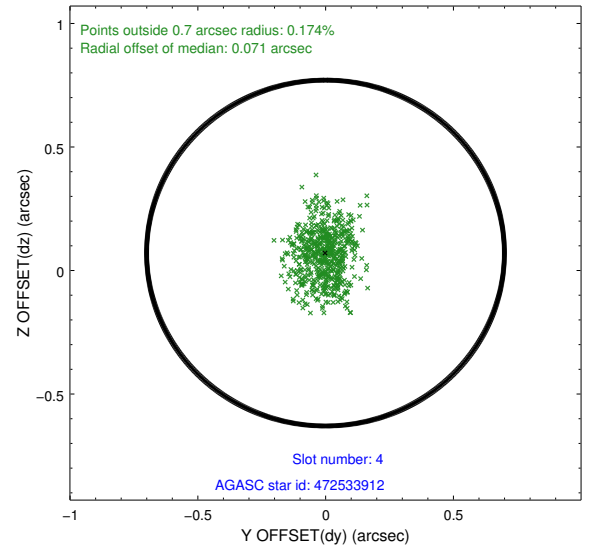
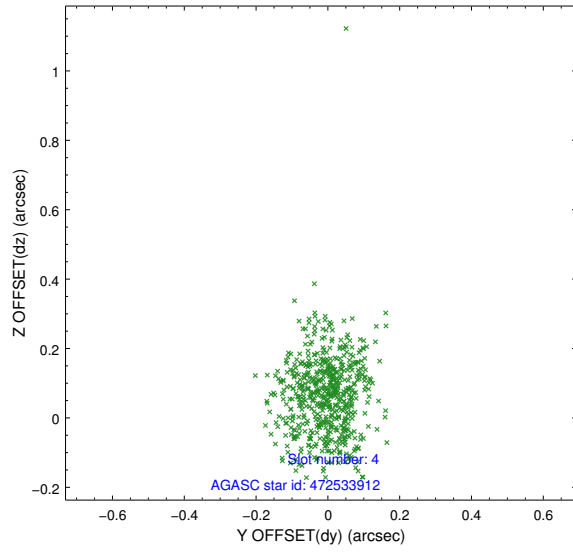


## 2.4 Star Slots

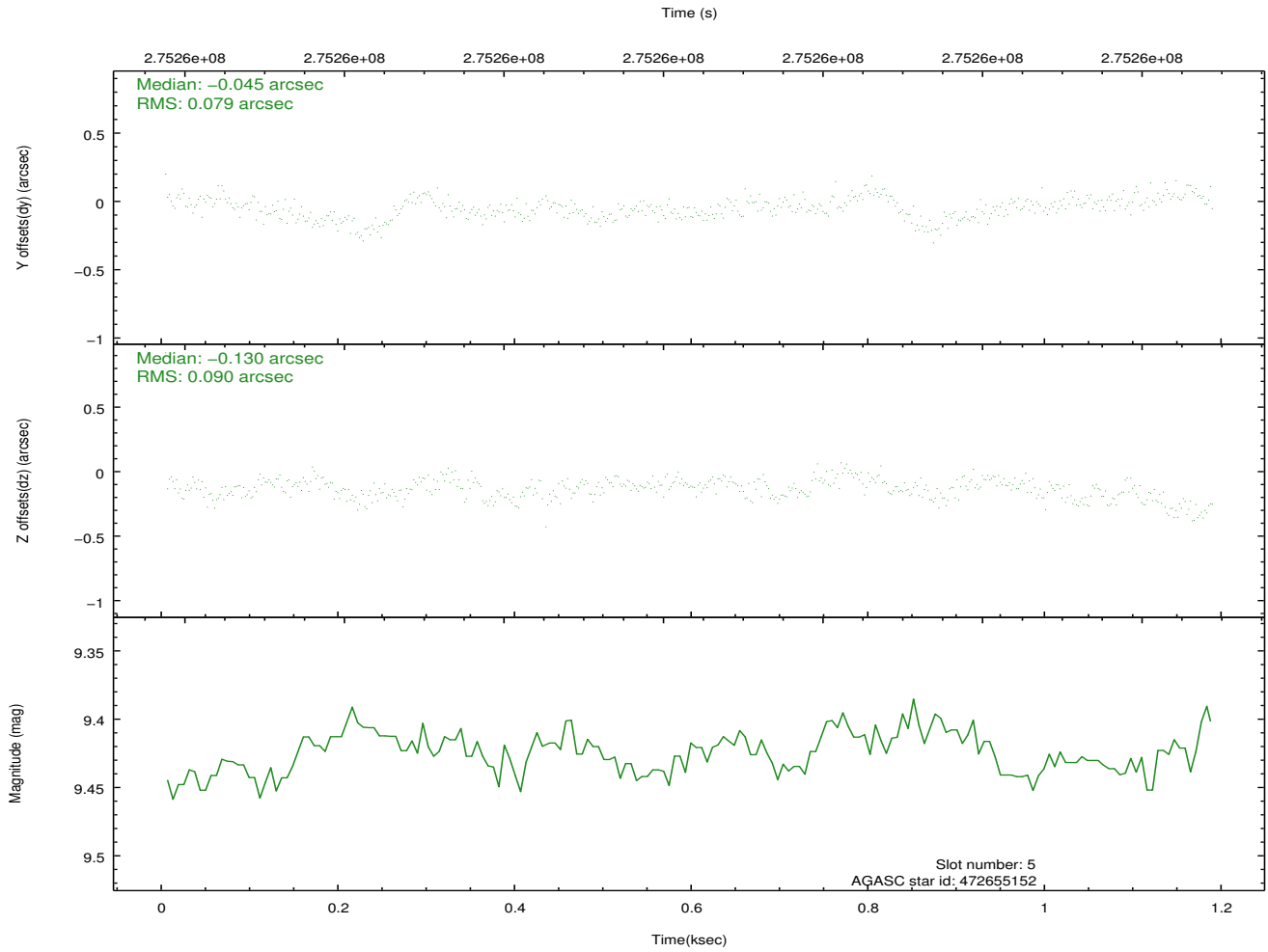
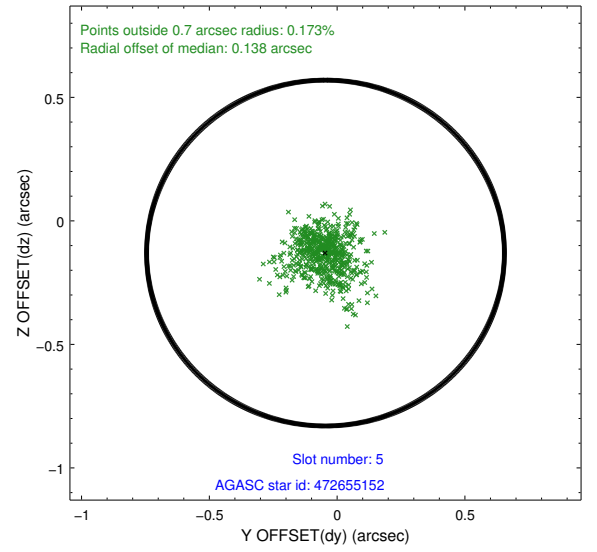
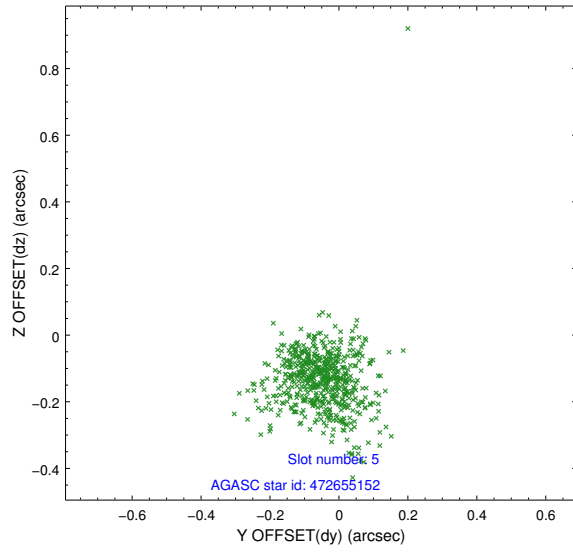
### 2.4.1 Slot 3



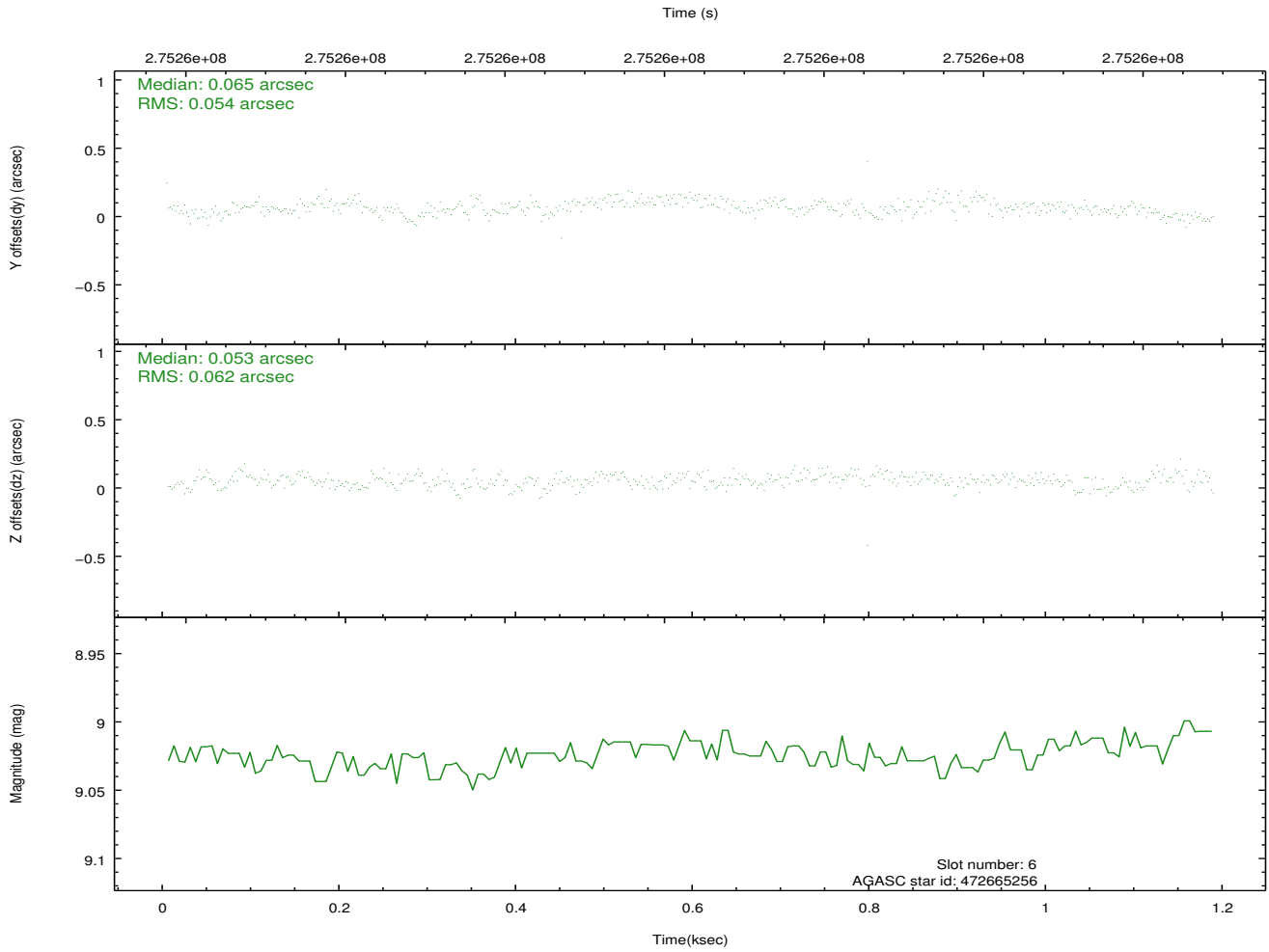
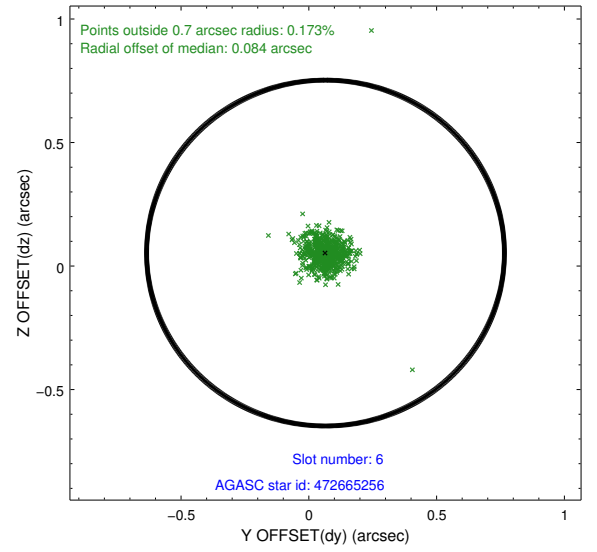
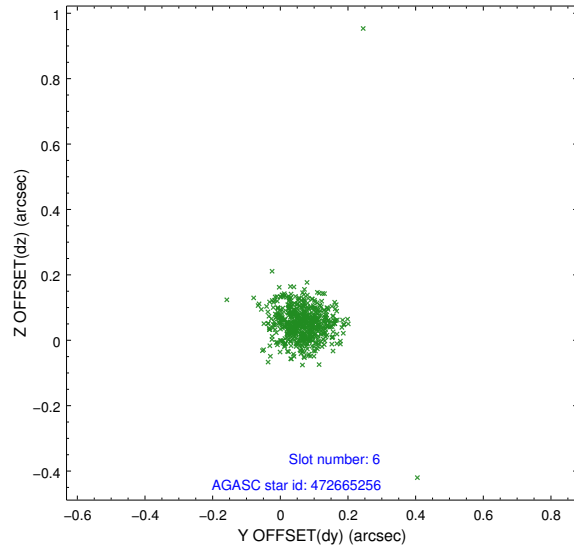
## 2.4.2 Slot 4



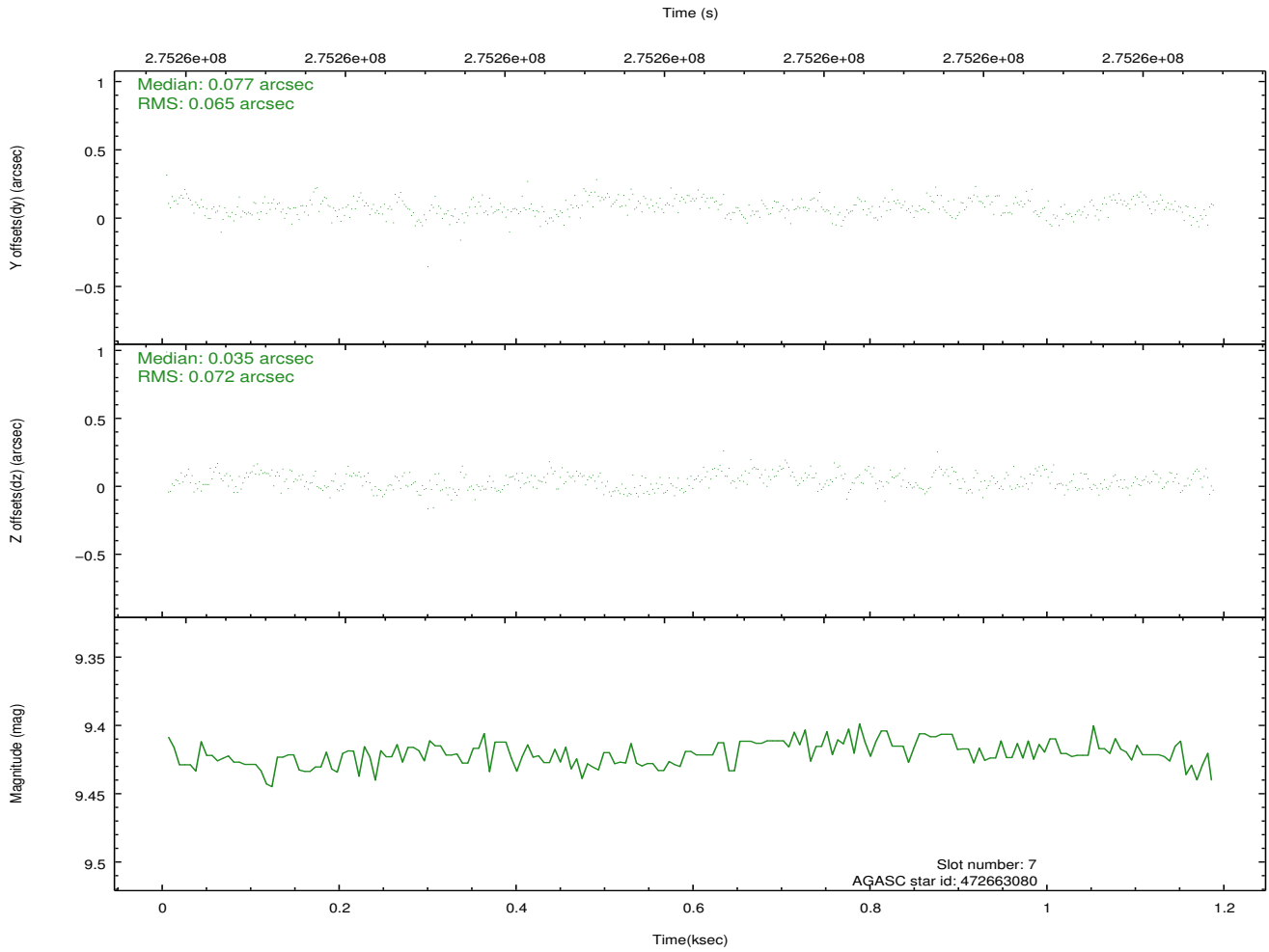
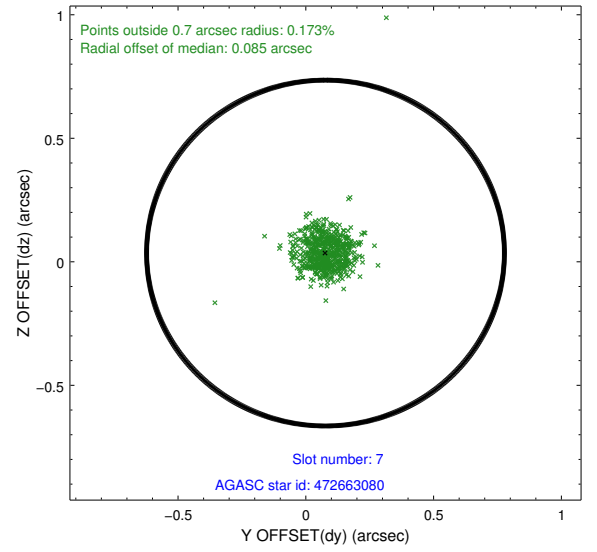
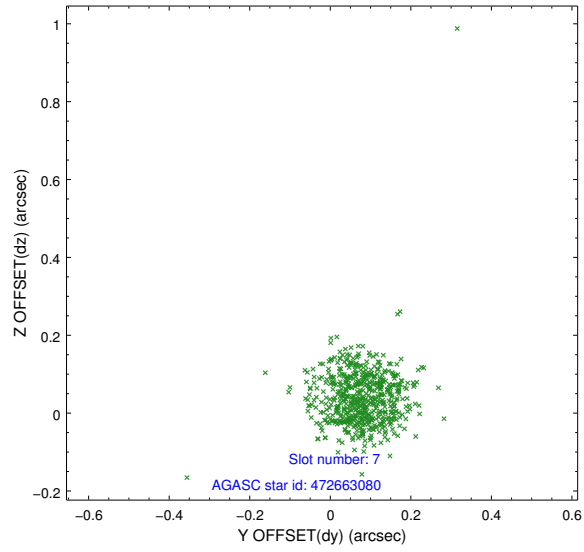
### 2.4.3 Slot 5



## 2.4.4 Slot 6

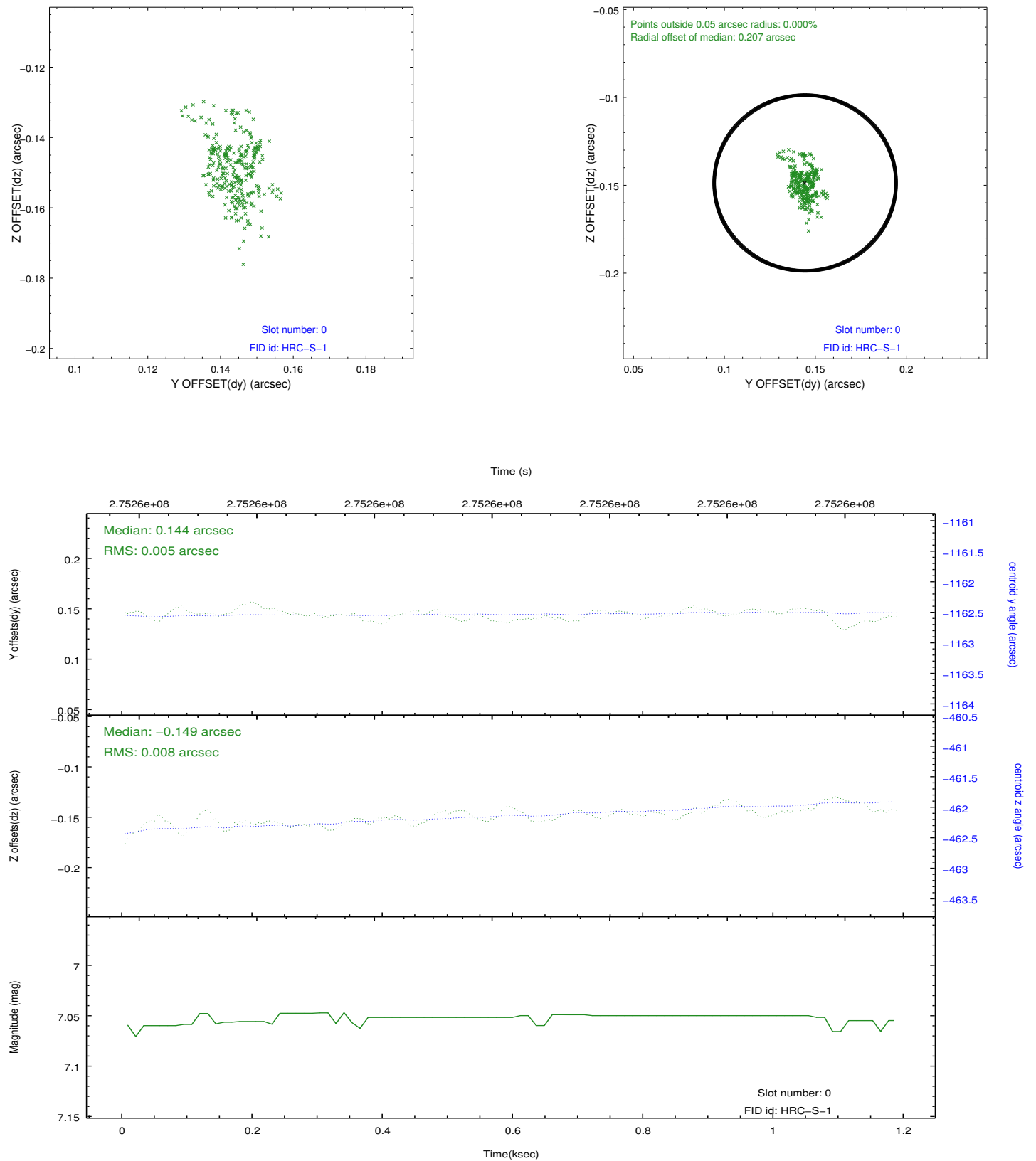


## 2.4.5 Slot 7

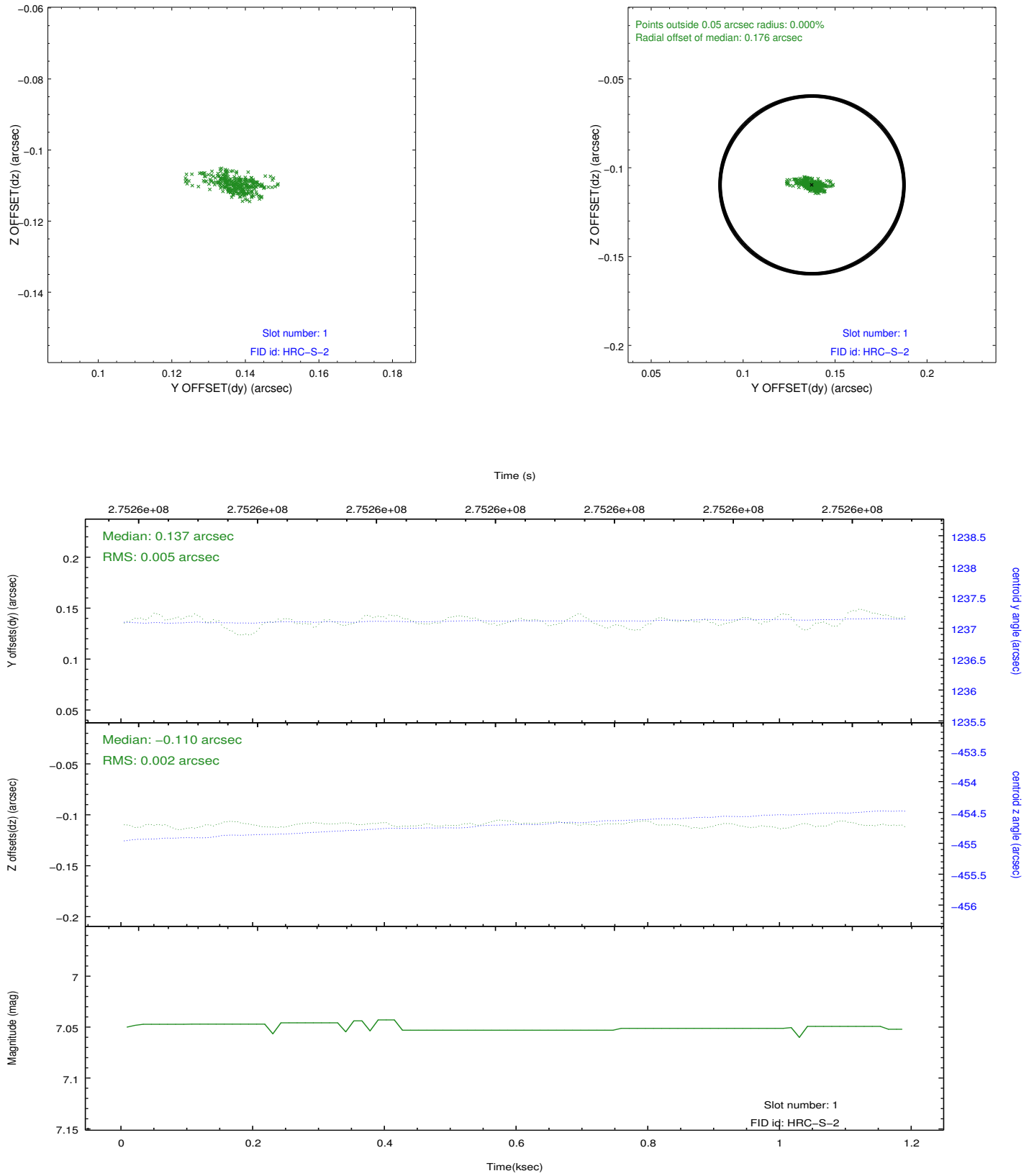


## 2.5 FID Slots

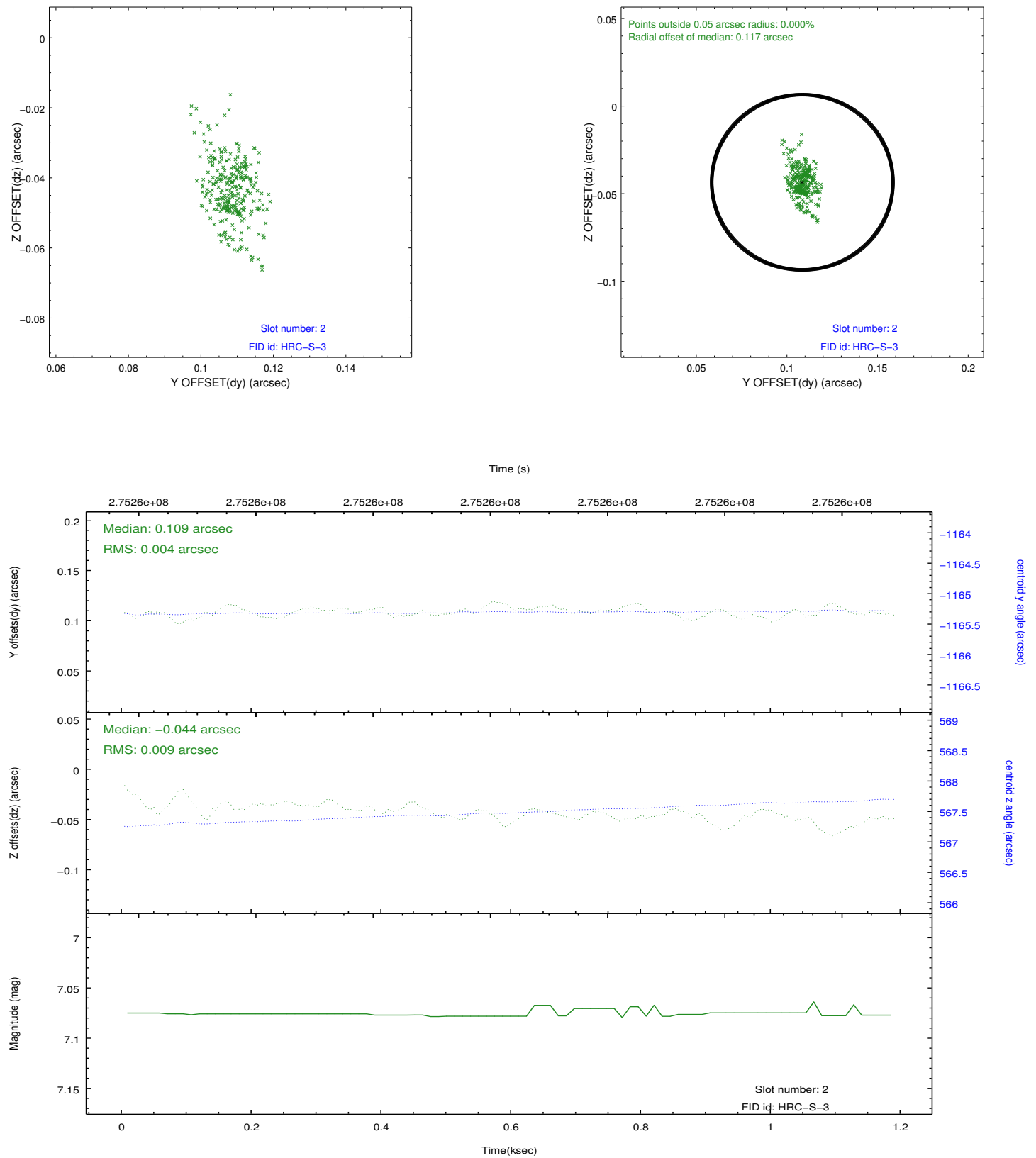
### 2.5.1 Slot 0



## 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