

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 1487 - L2 Version 5

Chandra X-Ray Center

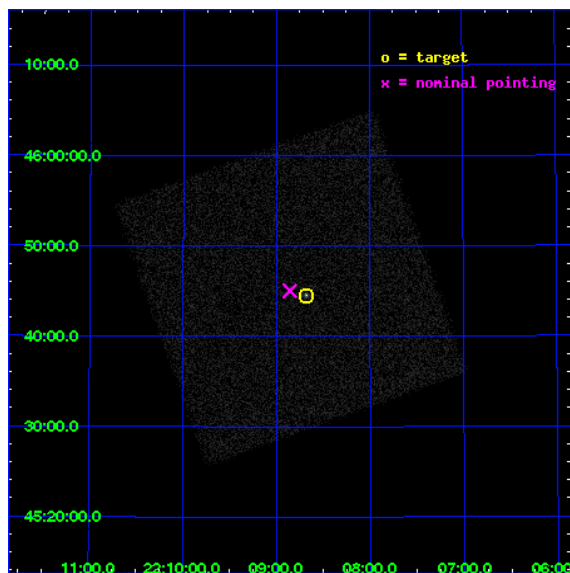
L2 Processing Date : Nov 25 2009

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# 1 Front

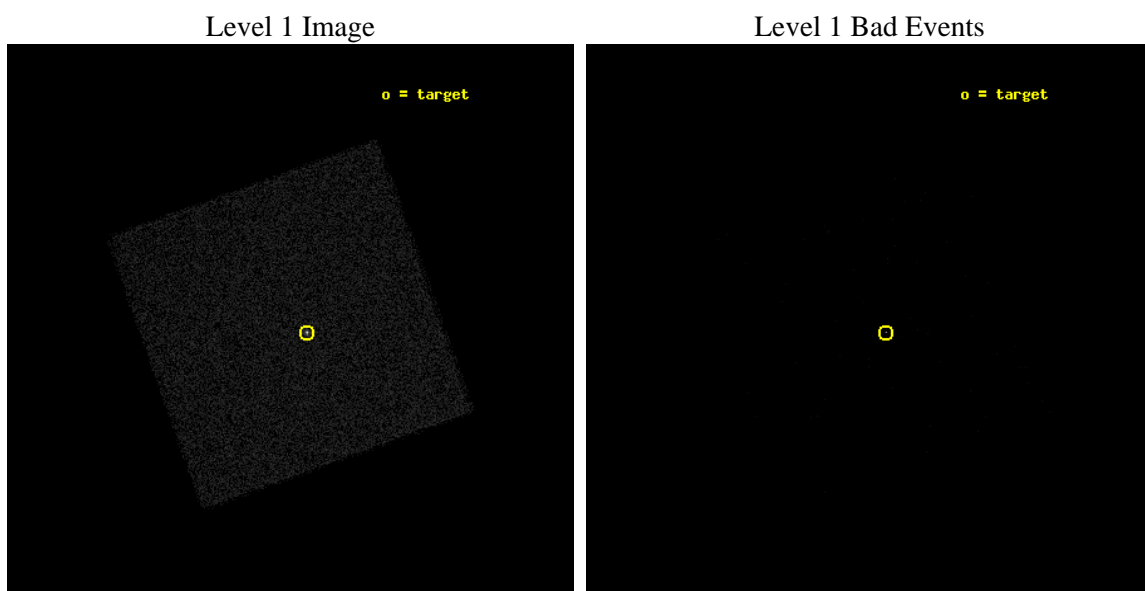
seq_num	280437	Sequence number
obs_id	1487	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.21417320407	Nominal RA
dec_nom	45.750928189121	Nominal Dec
roll_nom	295.32090526062	Nominal Roll
revision	5	Processing version of data
ontime	1213.8562939316	[s]
livetime	1205.9145885605	Ontime multiplied by DTCOR
l2events	41911	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	Scheduled observation exposure time
ascdsver	8.1.1	Processing system revision	ontime	1213.8562939316	[s]
caldbver	4.1.4	&#160	l1events	63778	Number of level 1 events
date	2009-11-25T11:39:06	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

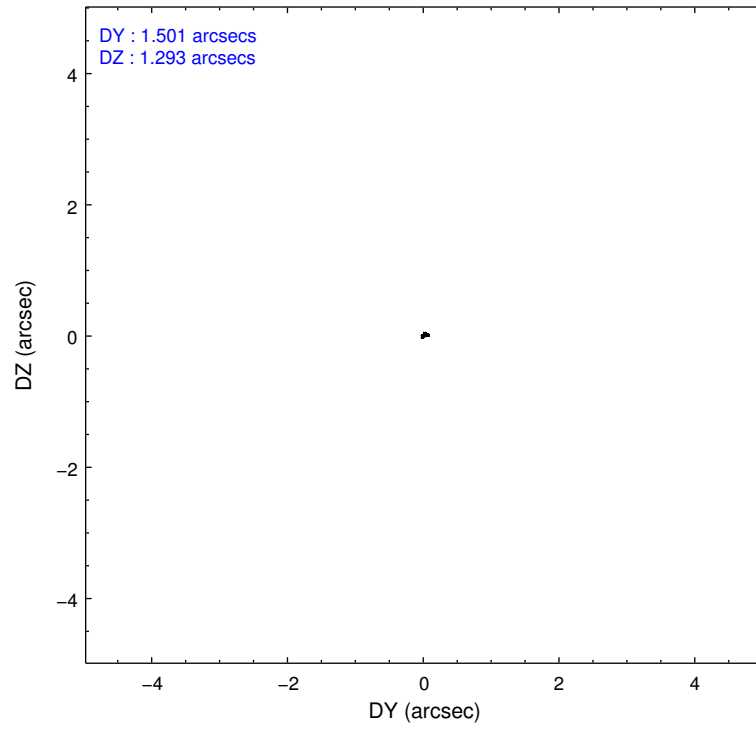
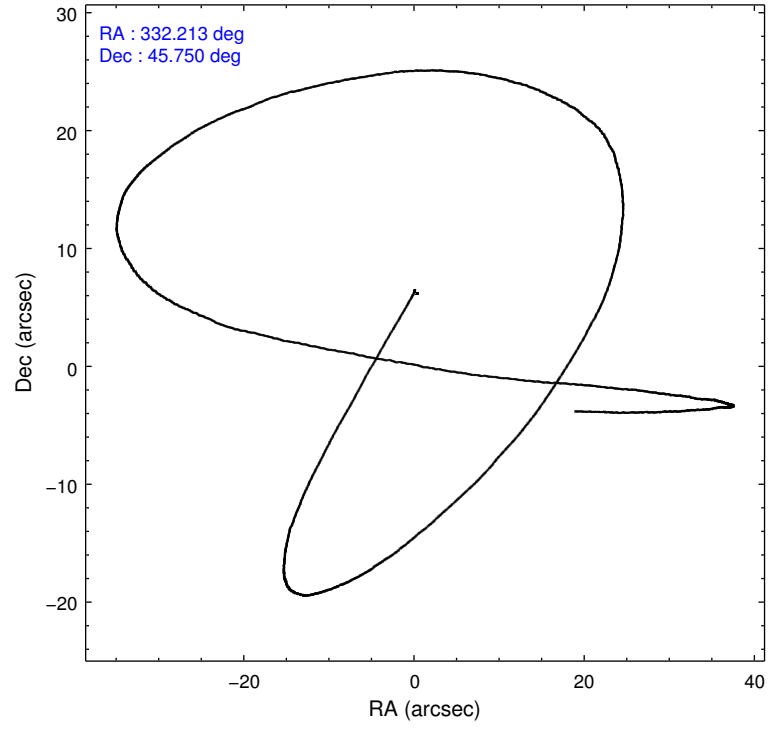
#### Level 1 Events

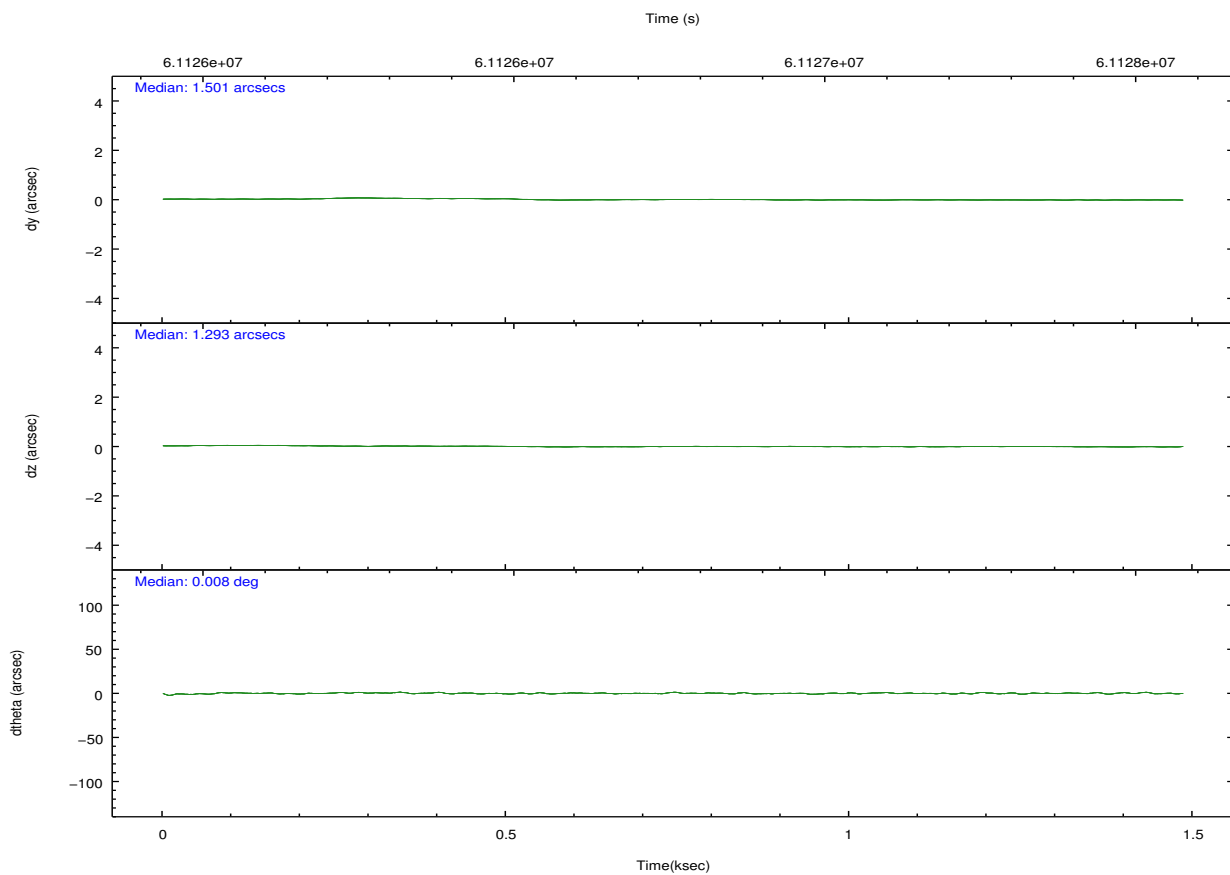
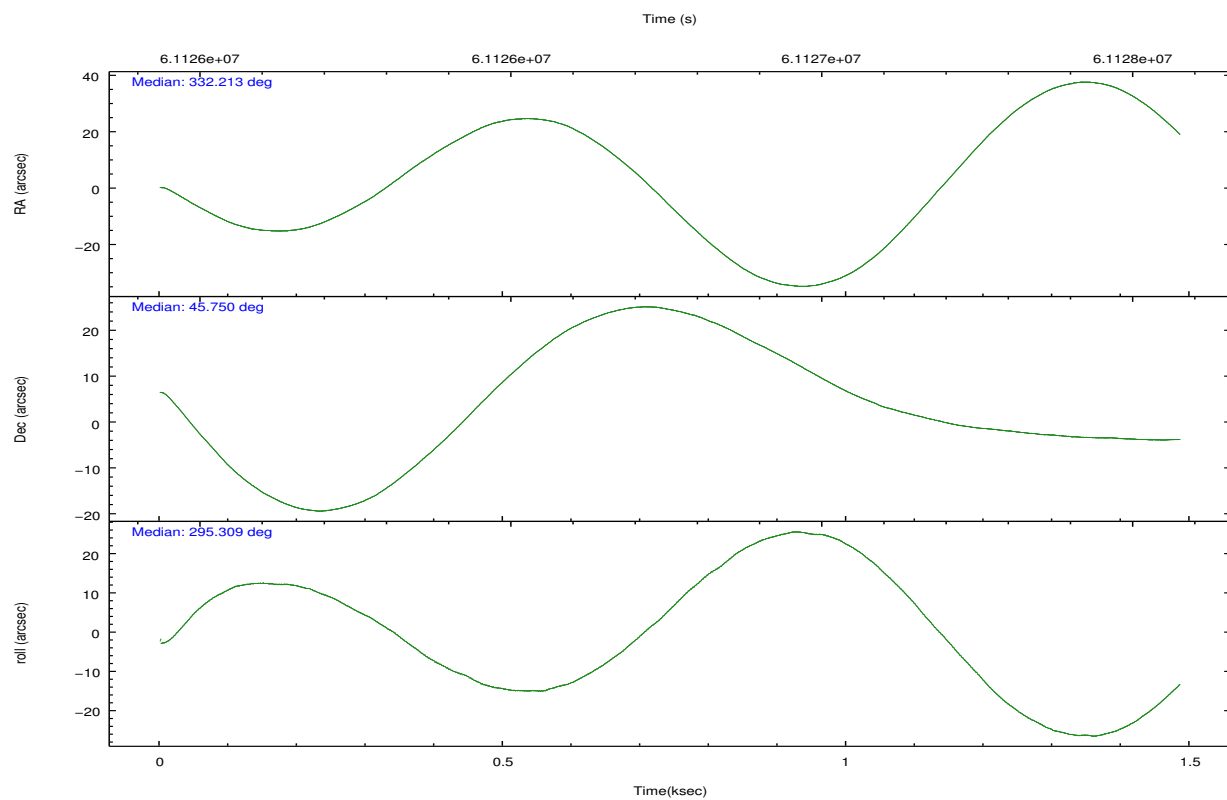
	<b>segment 0</b>
level 1 events	63778
rejected events	2592
rejected %	4%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.181060	332.2141732040706			
Pointing Dec	45.767357	45.75092818912083			
Pointing Roll	295.440128	295.3209052606177			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	61126499.184000	61125832.9024			
Observation start date	1999-12-09T11:33:55	1999-12-09T11:23:52			
Observation end time	61127499.184000	61127632.802465			
Observation end date	1999-12-09T11:50:35	1999-12-09T11:53:52			

## 2.3 Aspect





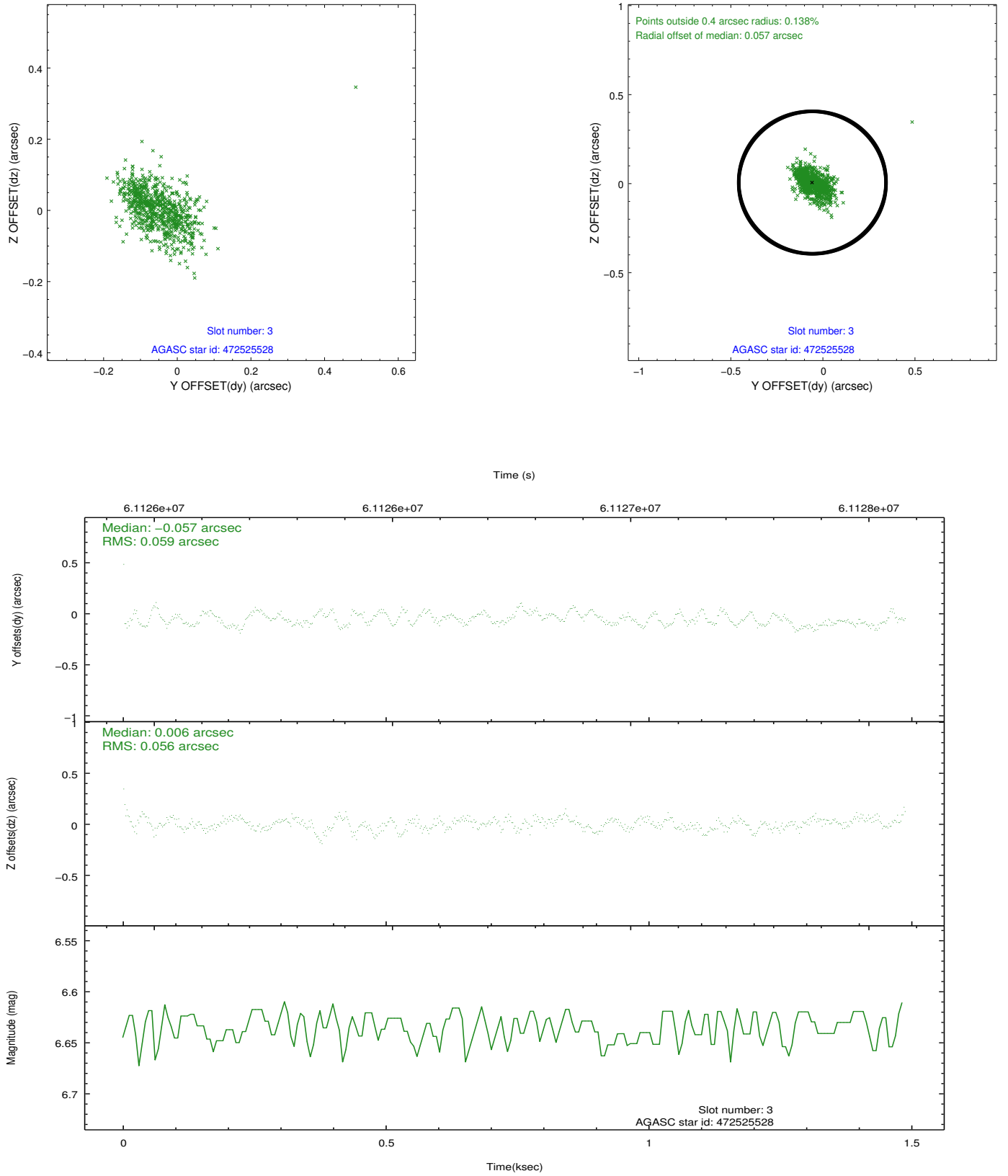
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	726	0.017	-0.050	0.006	0.011	0.000000	0.000000	-756.93	-1289.08
1	FID	HRC-I-3	7.05	726	0.043	-0.032	0.006	0.010	0.000000	0.000000	-1186.44	1013.72
2	FID	HRC-I-4	6.99	726	0.055	-0.008	0.005	0.009	0.000000	0.000000	1284.26	1014.53
3	GUIDE	472525528	6.64	726	-0.057	0.006	0.081	0.134	331.551102	45.248694	991.89	-2240.82
4	GUIDE	472523760	8.23	726	-0.043	-0.122	0.066	0.121	331.645363	45.403260	596.45	-1786.75
5	GUIDE	472665256	9.02	726	-0.095	-0.007	0.079	0.134	332.808125	46.195041	-727.63	2072.67
6	GUIDE	472659832	9.47	726	0.025	0.109	0.091	0.142	332.780399	46.098139	-442.33	1868.07
7	GUIDE	472655704	9.48	725	0.157	0.015	0.095	0.149	332.167195	45.285228	1548.82	-774.19

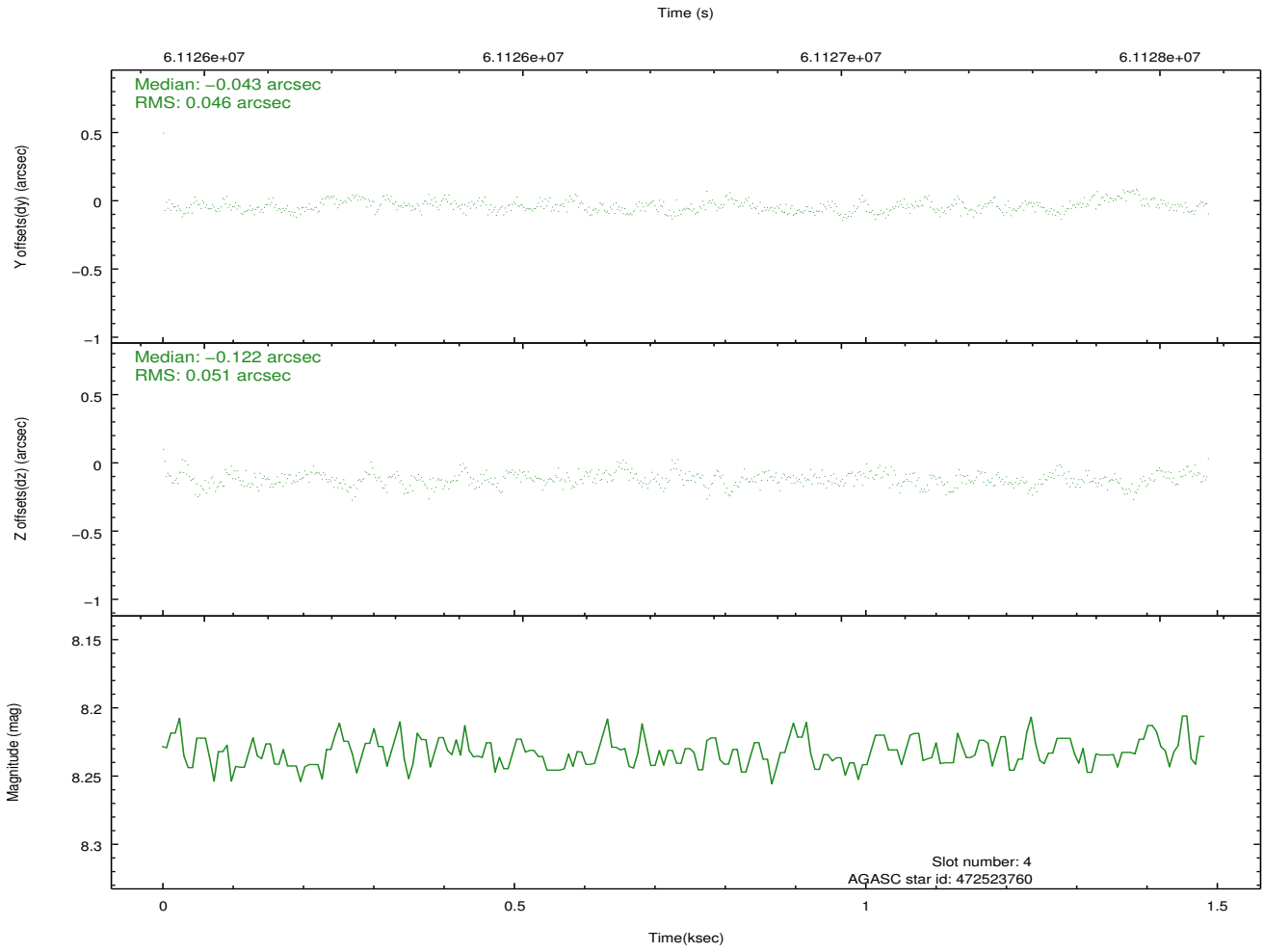
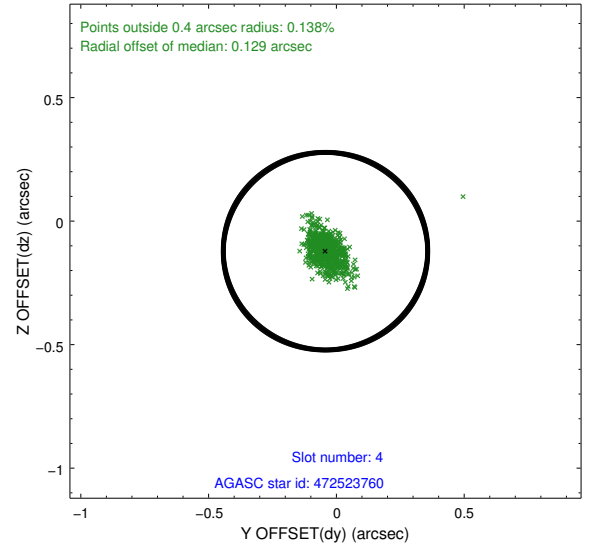
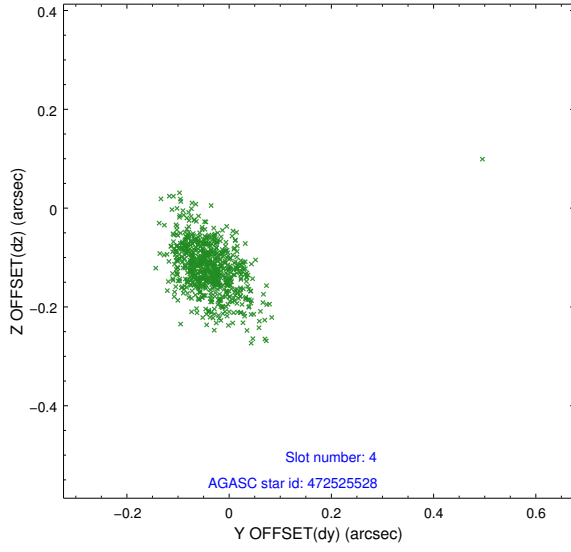


## 2.4 Star Slots

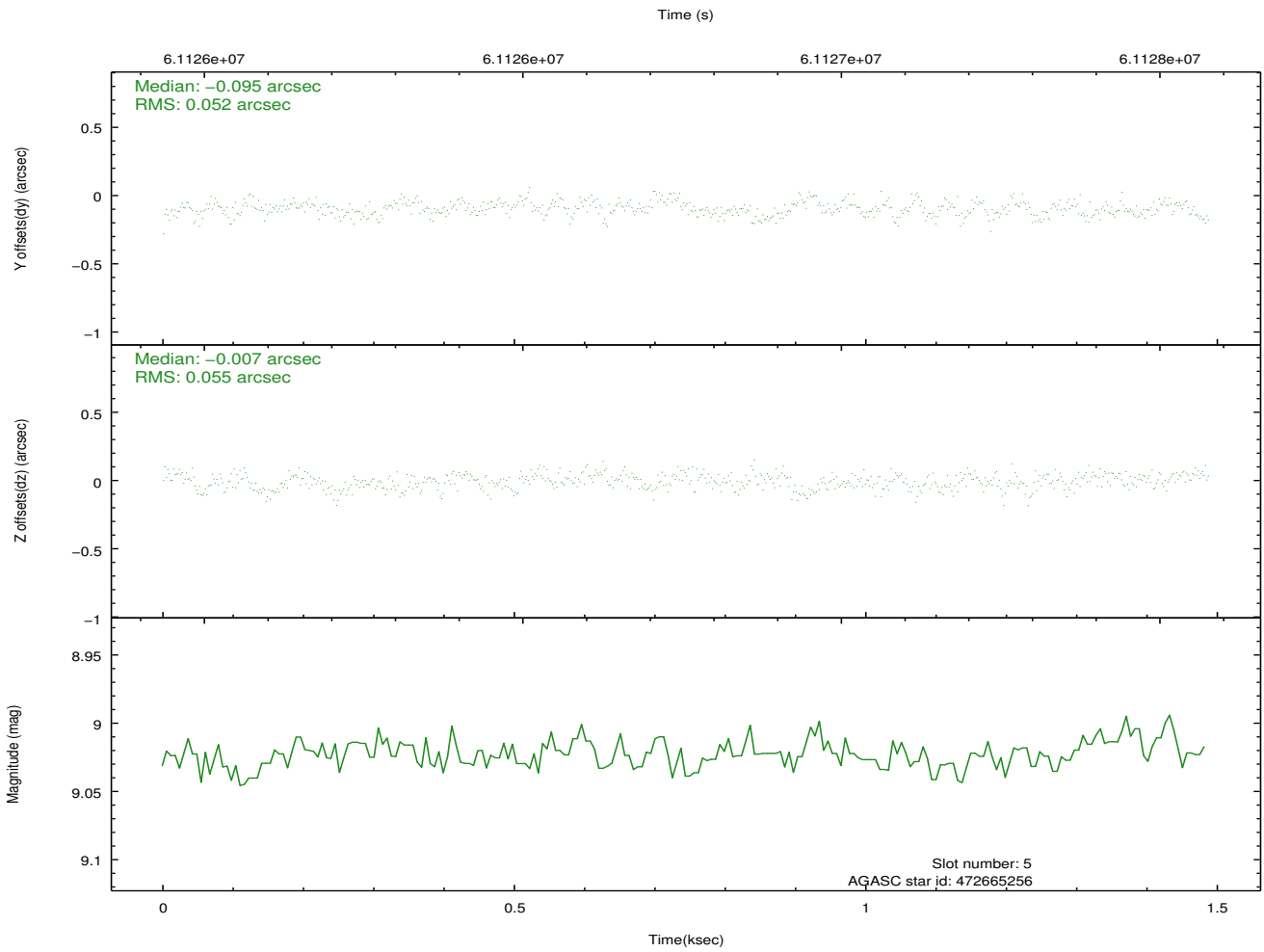
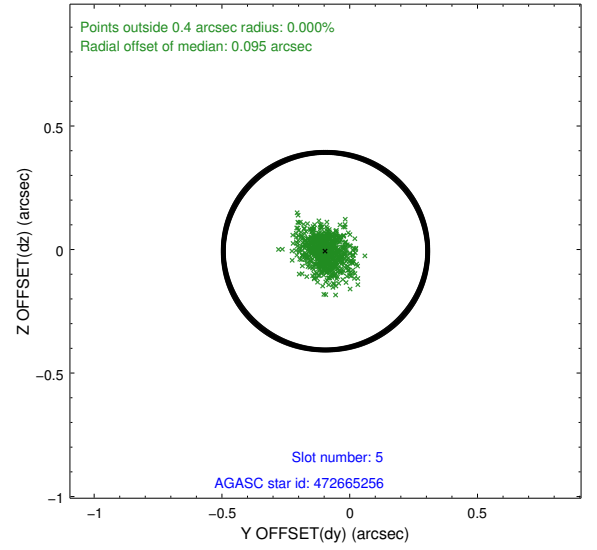
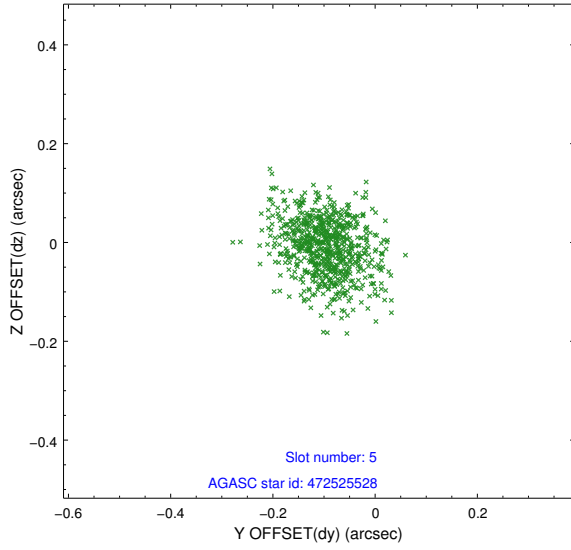
### 2.4.1 Slot 3



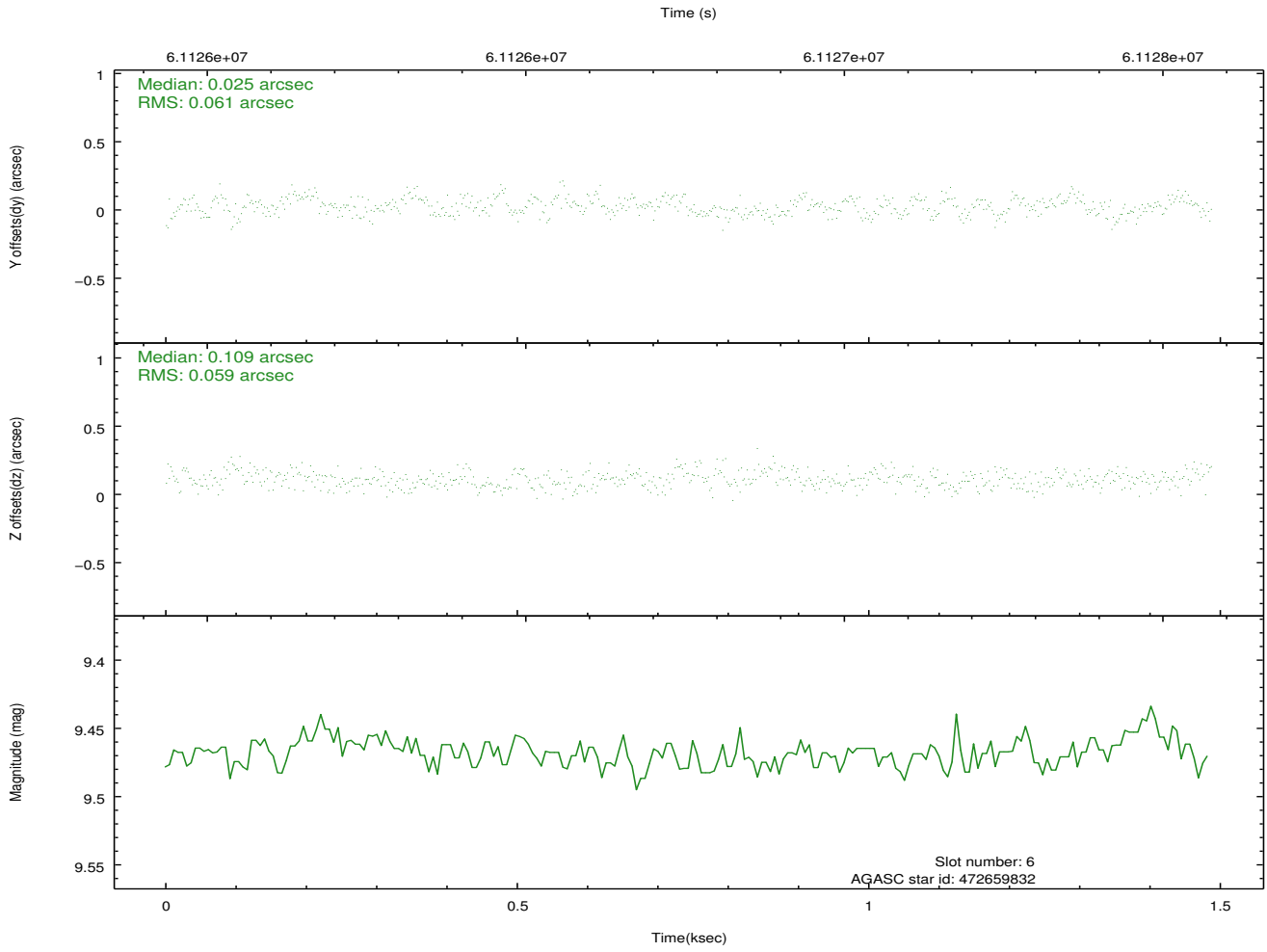
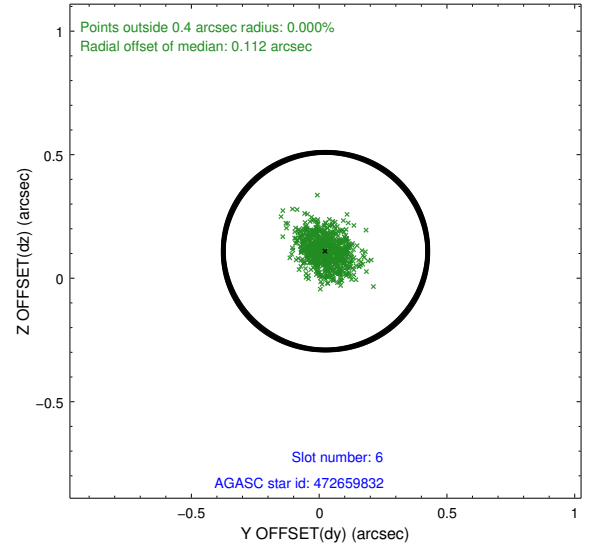
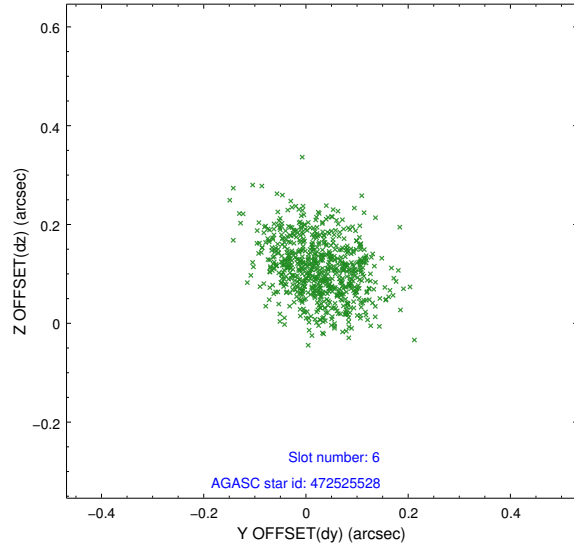
## 2.4.2 Slot 4



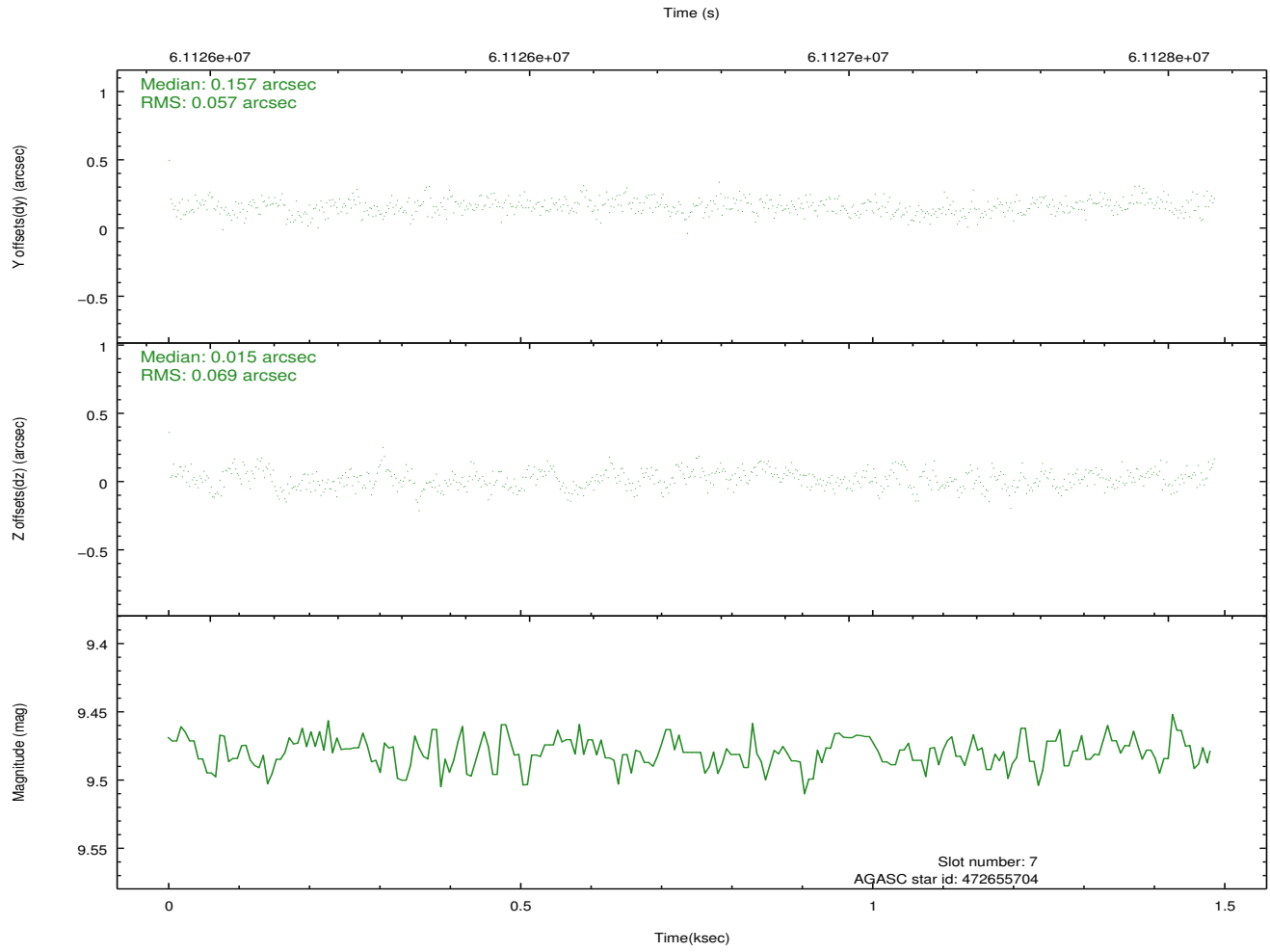
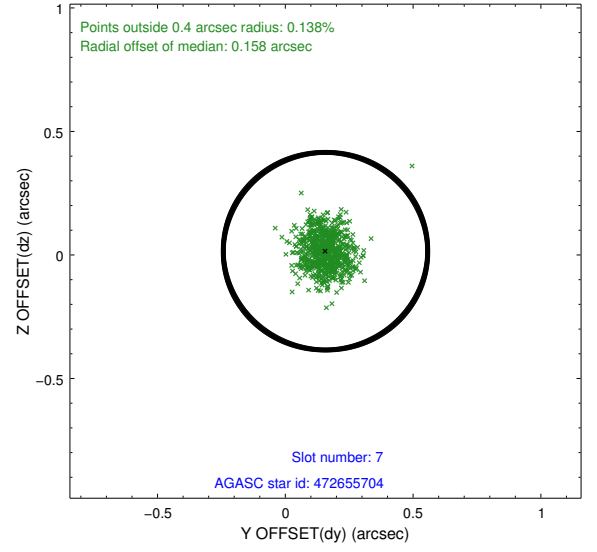
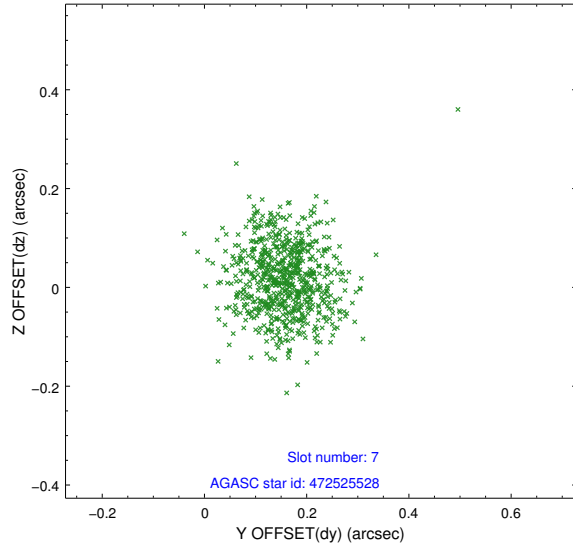
### 2.4.3 Slot 5



## 2.4.4 Slot 6

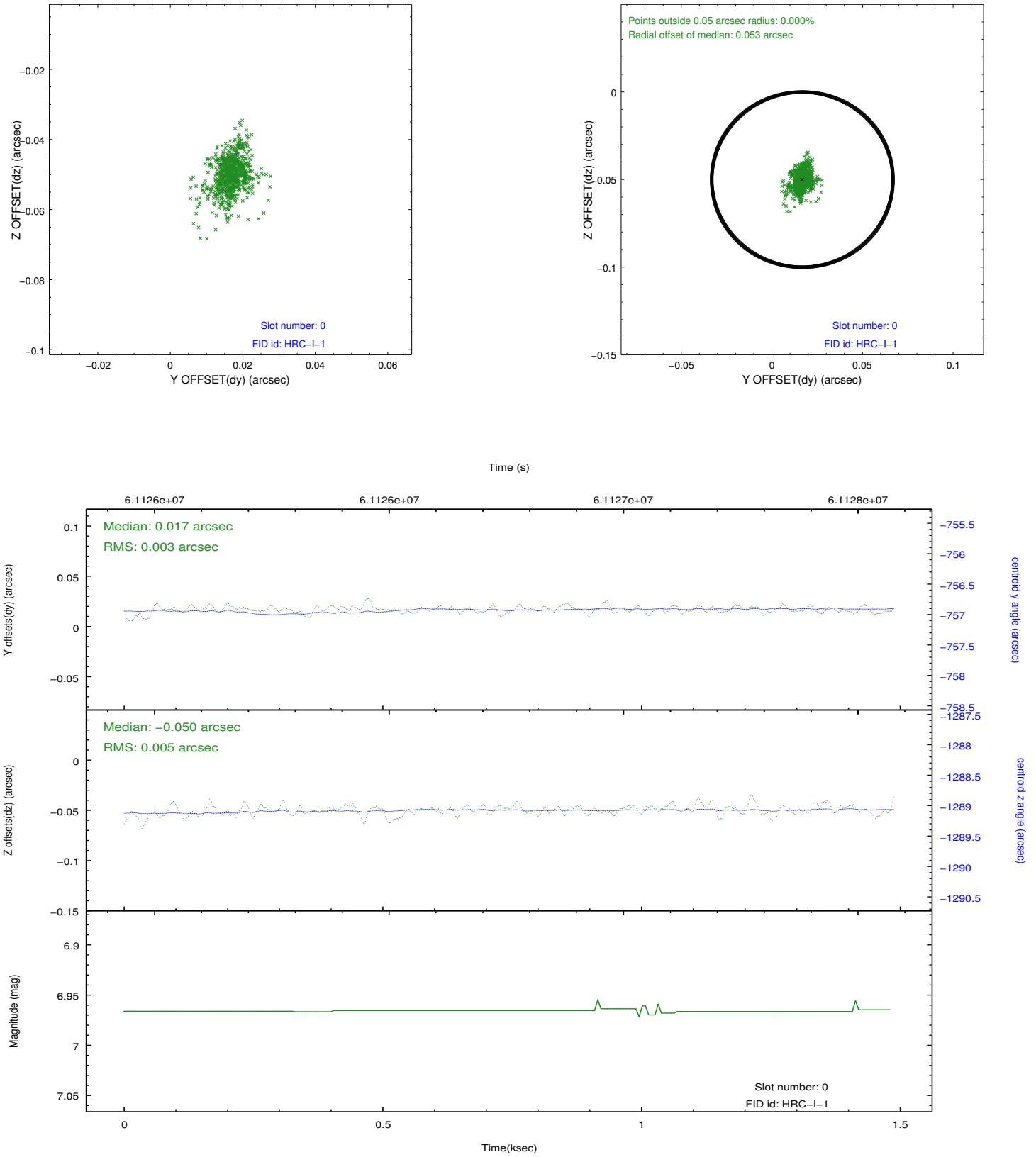


## 2.4.5 Slot 7

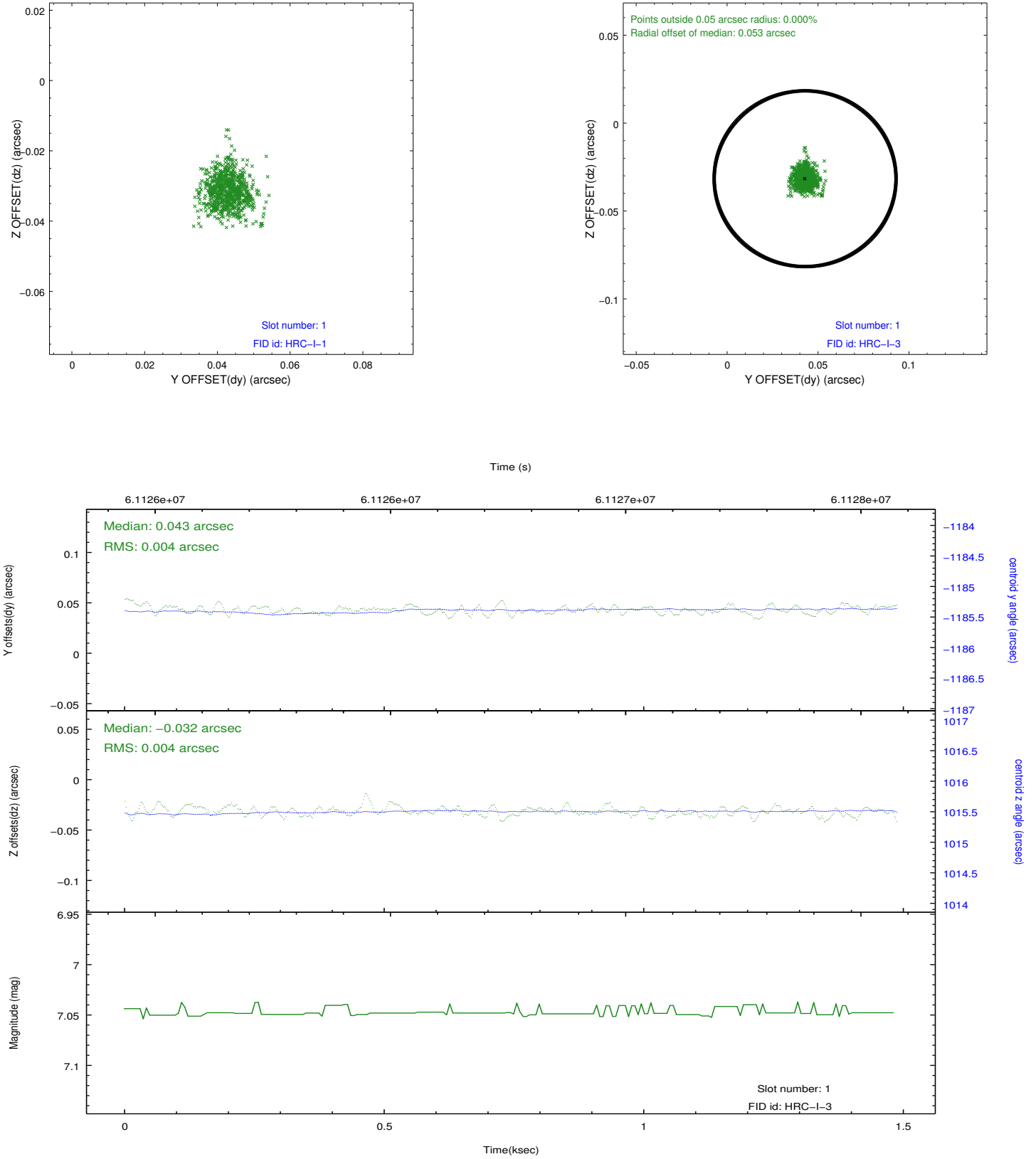


## 2.5 FID Slots

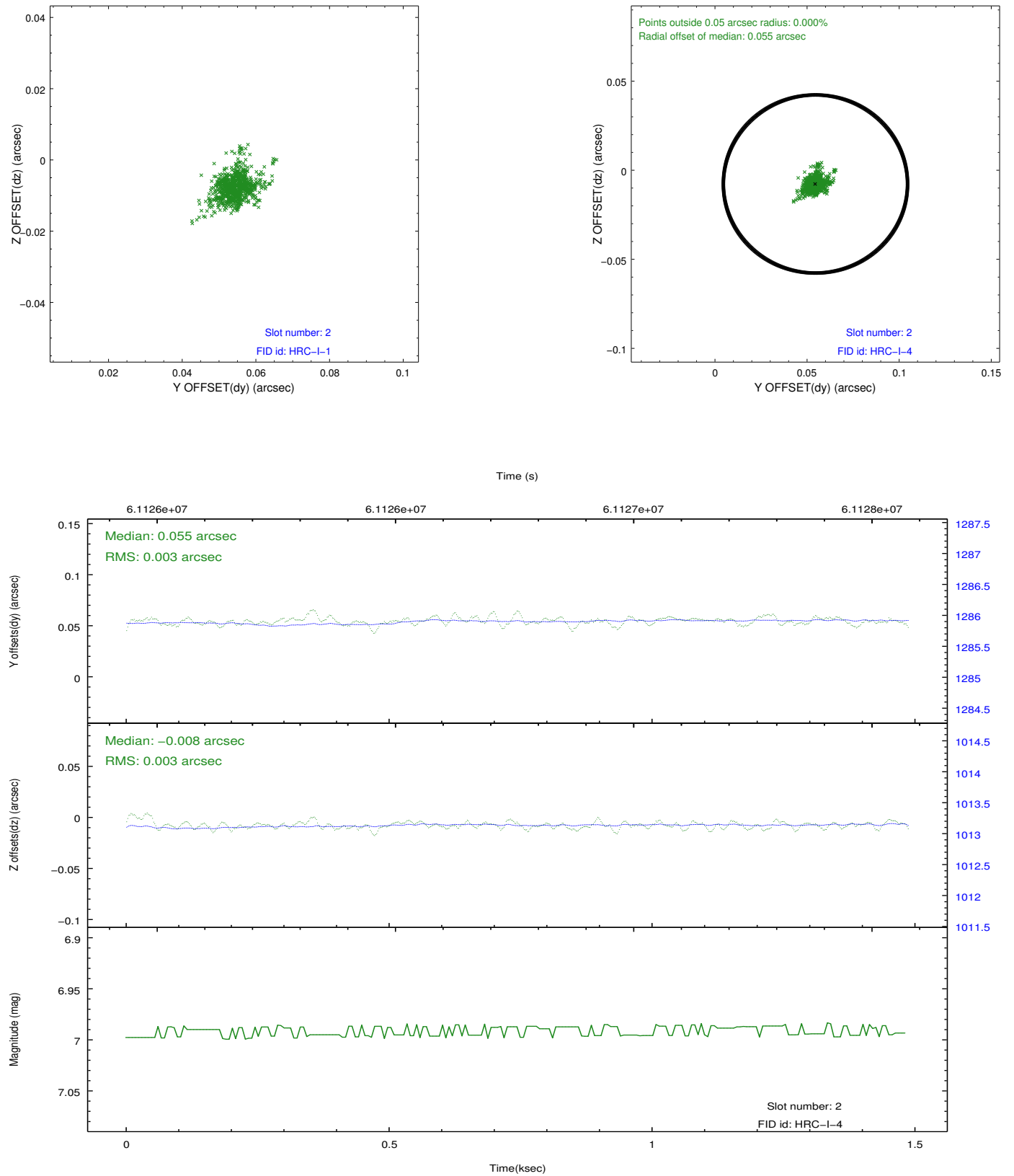
### 2.5.1 Slot 0



## 2.5.2 Slot 1



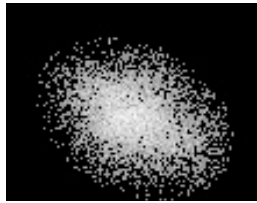
## 2.5.3 Slot 2





### 3 Point Sources

1.91 arcmin



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2009.11.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.213

## A.2 Comments

HRC-I cal: ARLac for image blur