

# V&V Reference Report

## L2 ASCDS Version : 8.3.2.1

Observation 1332 - L2 Version 4

Chandra X-Ray Center

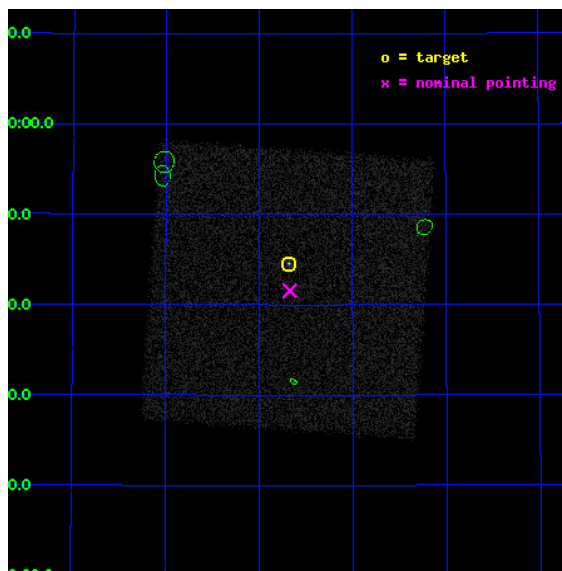
L2 Processing Date : Sep 28 2010

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# 1 Front

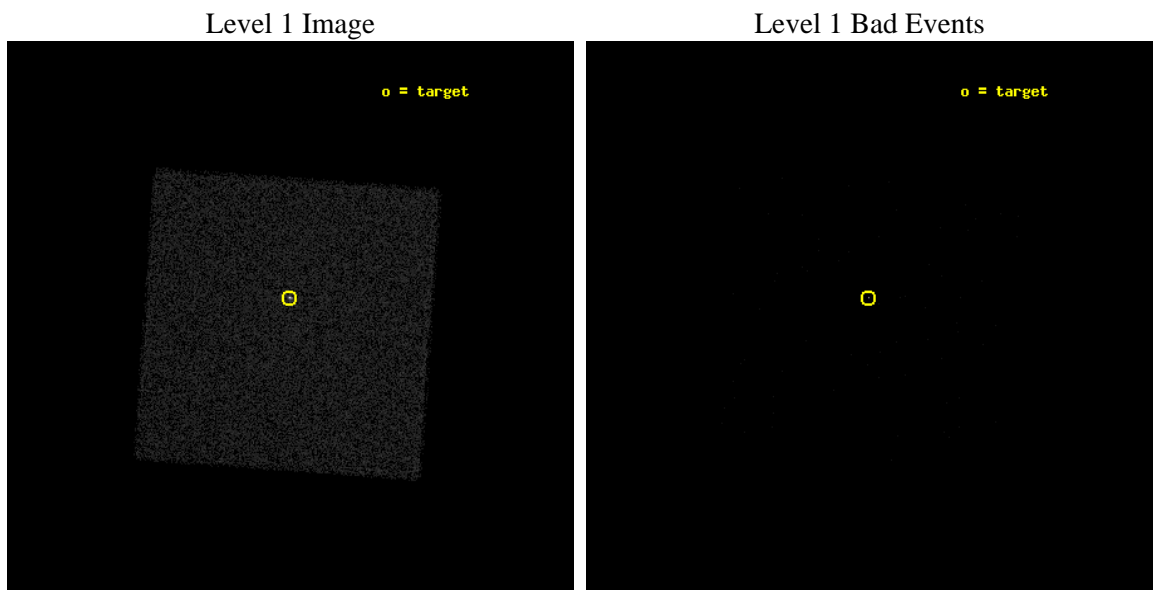
seq_num	280282	Sequence number
obs_id	1332	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.167762942	Nominal RA
dec_nom	45.692504970796	Nominal Dec
roll_nom	229.08398920773	Nominal Roll
revision	4	Processing version of data
ontime	1273.3062958792	[s]
livetime	1264.3571840235	Ontime multiplied by DTCOR
l2events	41835	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	8.3.2.1	Processing system revision	ontime	1273.3062958792	[s]
caldbver	4.3.1	&#160	l1events	69083	Number of level 1 events
date	2010-09-28T17:05:05	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

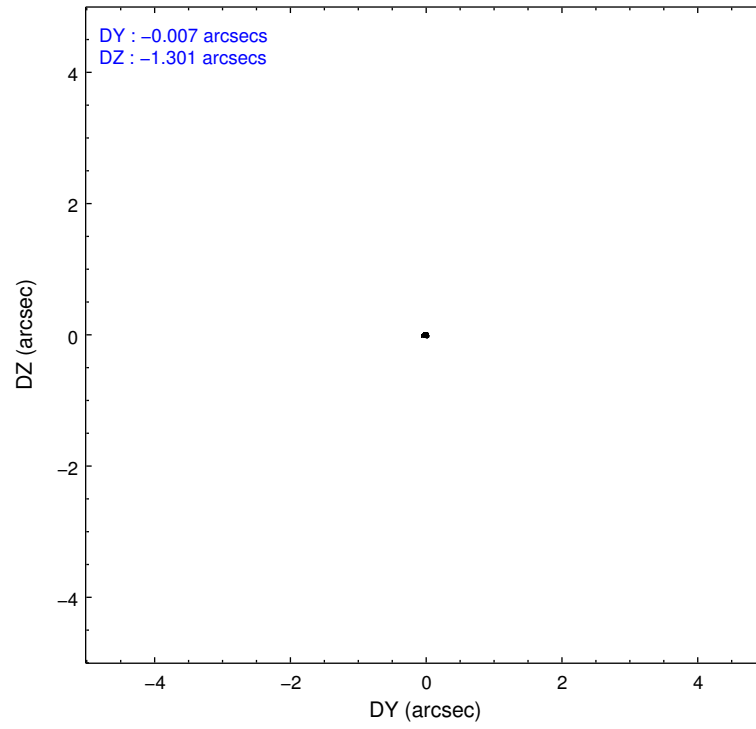
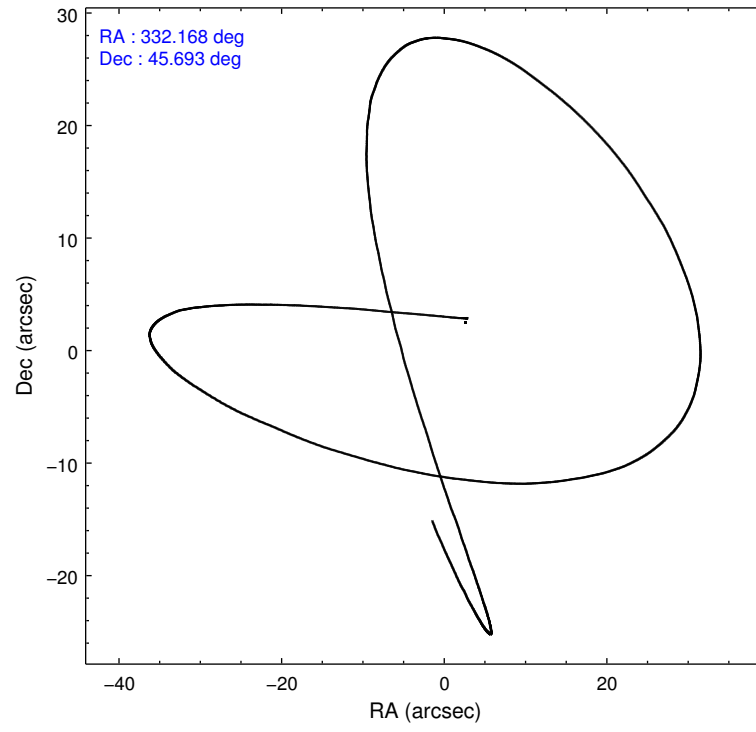
#### Level 1 Events

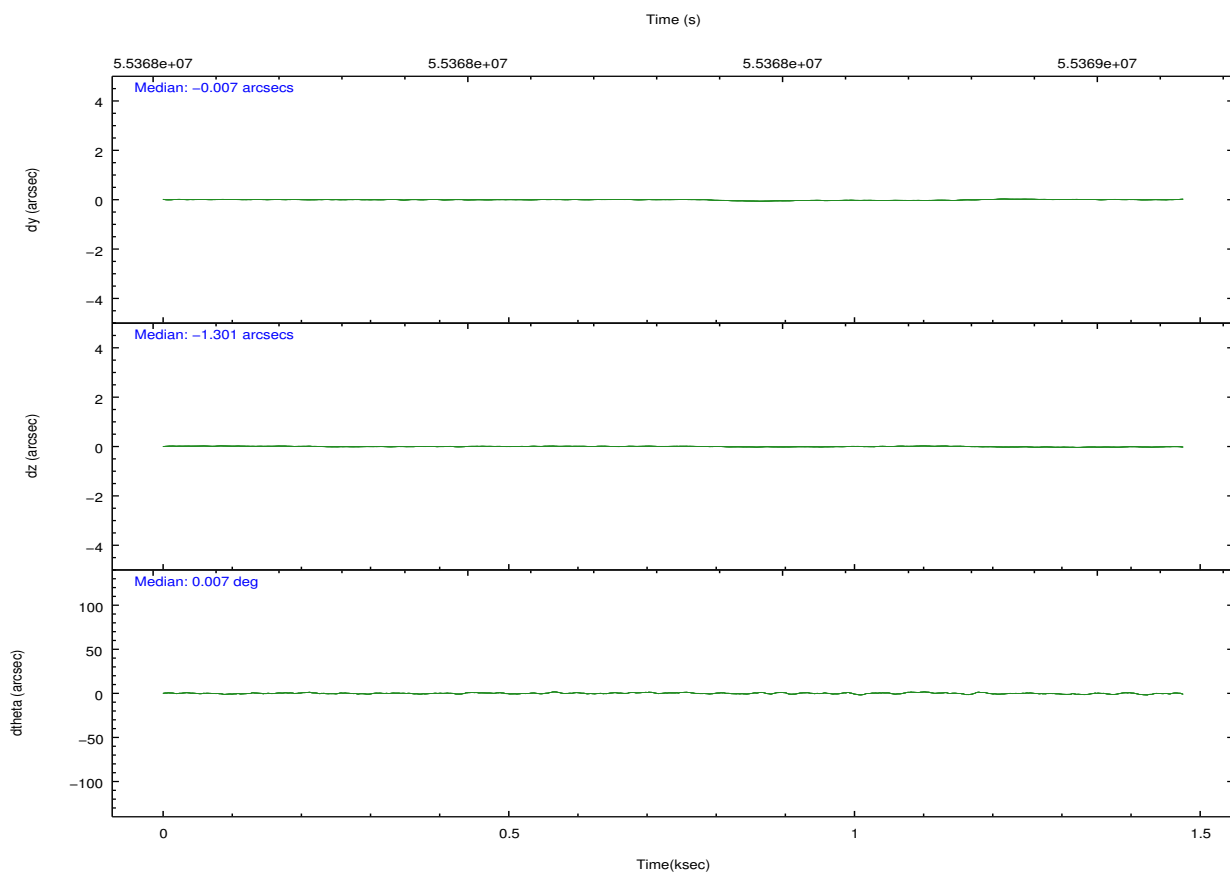
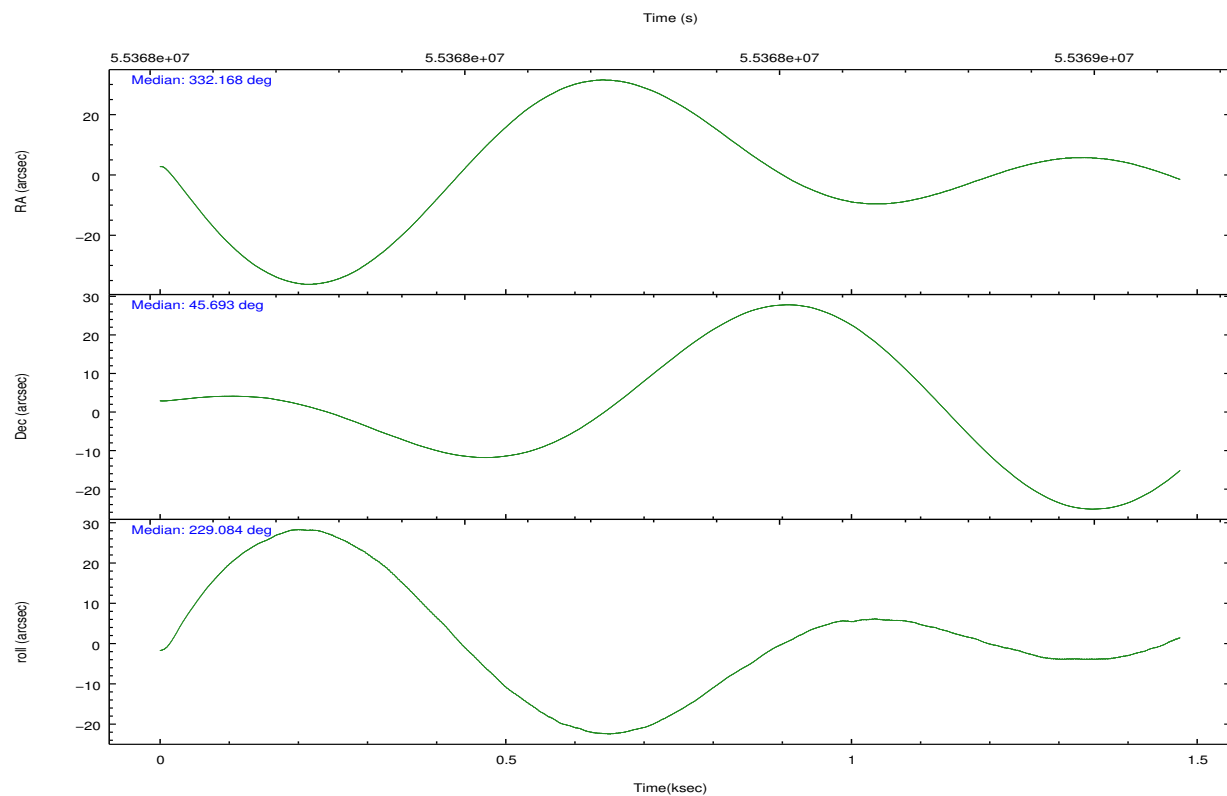
	<b>segment 0</b>
level 1 events	69083
rejected events	2744
rejected %	3%

## 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	332.176137	332.1677629419971			
Pointing Dec	45.720155	45.69250497079633			
Pointing Roll	229.173448	229.0839892077317			
SIM focus pos (mm)	-0.040293	-0.2342646132009995			
SIM defocus (mm)	1	0.806028007457875			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	55368064.184000	55367398.069557			
Observation start date	1999-10-03T20:00:00	1999-10-03T19:49:58			
Observation end time	55369064.184000	55369197.969622			
Observation end date	1999-10-03T20:16:40	1999-10-03T20:19:57			

## 2.3 Aspect





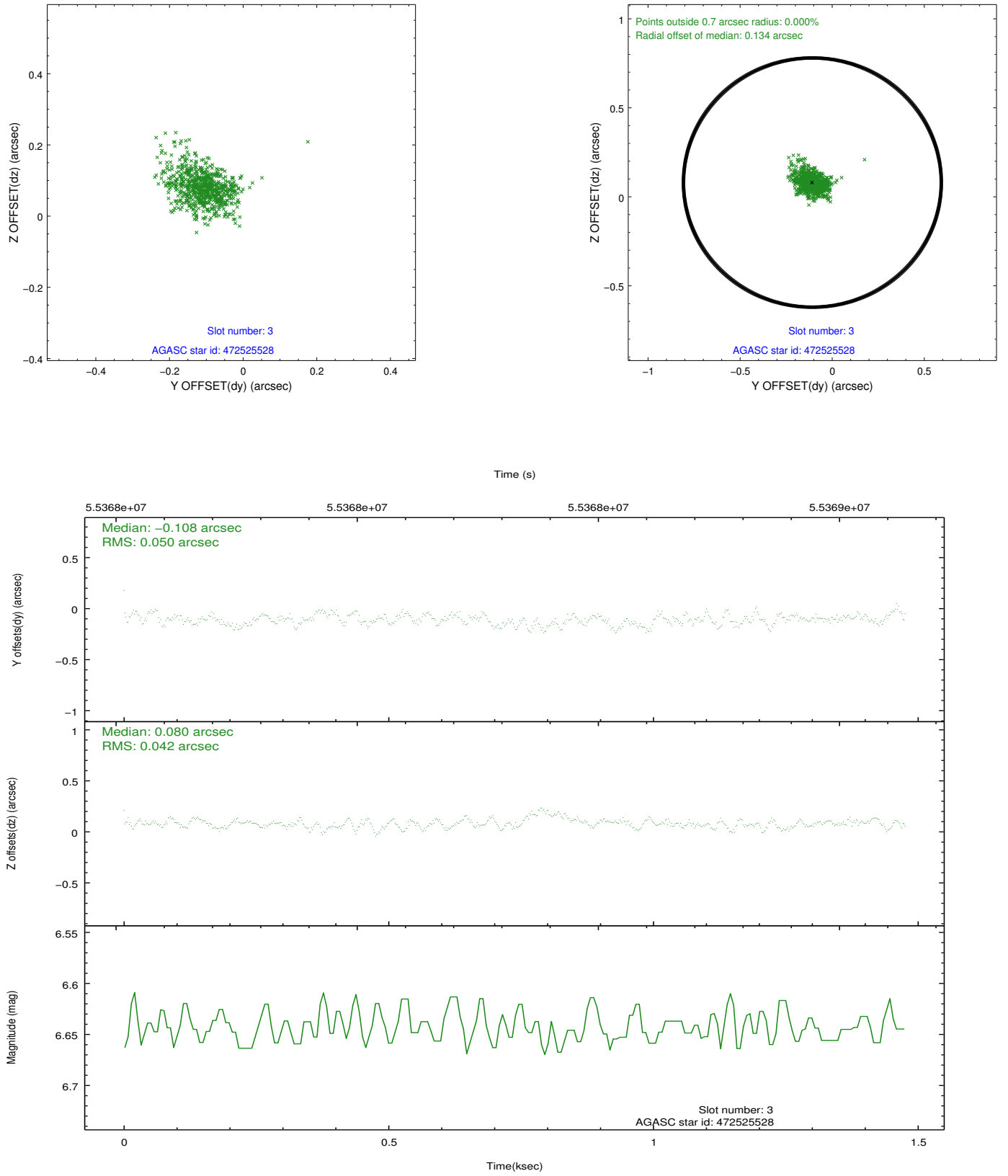
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	721	0.034	-0.015	0.006	0.010	0.000000	0.000000	-755.38	-1286.50
1	FID	HRC-I-3	7.03	721	0.043	-0.044	0.006	0.010	0.000000	0.000000	-1185.00	1016.42
2	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	472525528	6.64	721	-0.108	0.080	0.068	0.115	331.551102	45.248694	2312.28	-93.23
4	GUIDE	472523760	8.24	721	0.004	-0.002	0.053	0.092	331.645363	45.403260	1737.26	-272.53
5	GUIDE	472665256	9.00	721	-0.000	-0.052	0.065	0.109	332.808125	46.195041	-2328.47	69.42
6	GUIDE	472659832	9.46	720	-0.018	0.040	0.083	0.135	332.780399	46.098139	-2026.31	248.10
7	GUIDE	472655704	9.47	696	0.110	-0.066	0.094	0.333	332.167195	45.285228	1193.85	1006.55

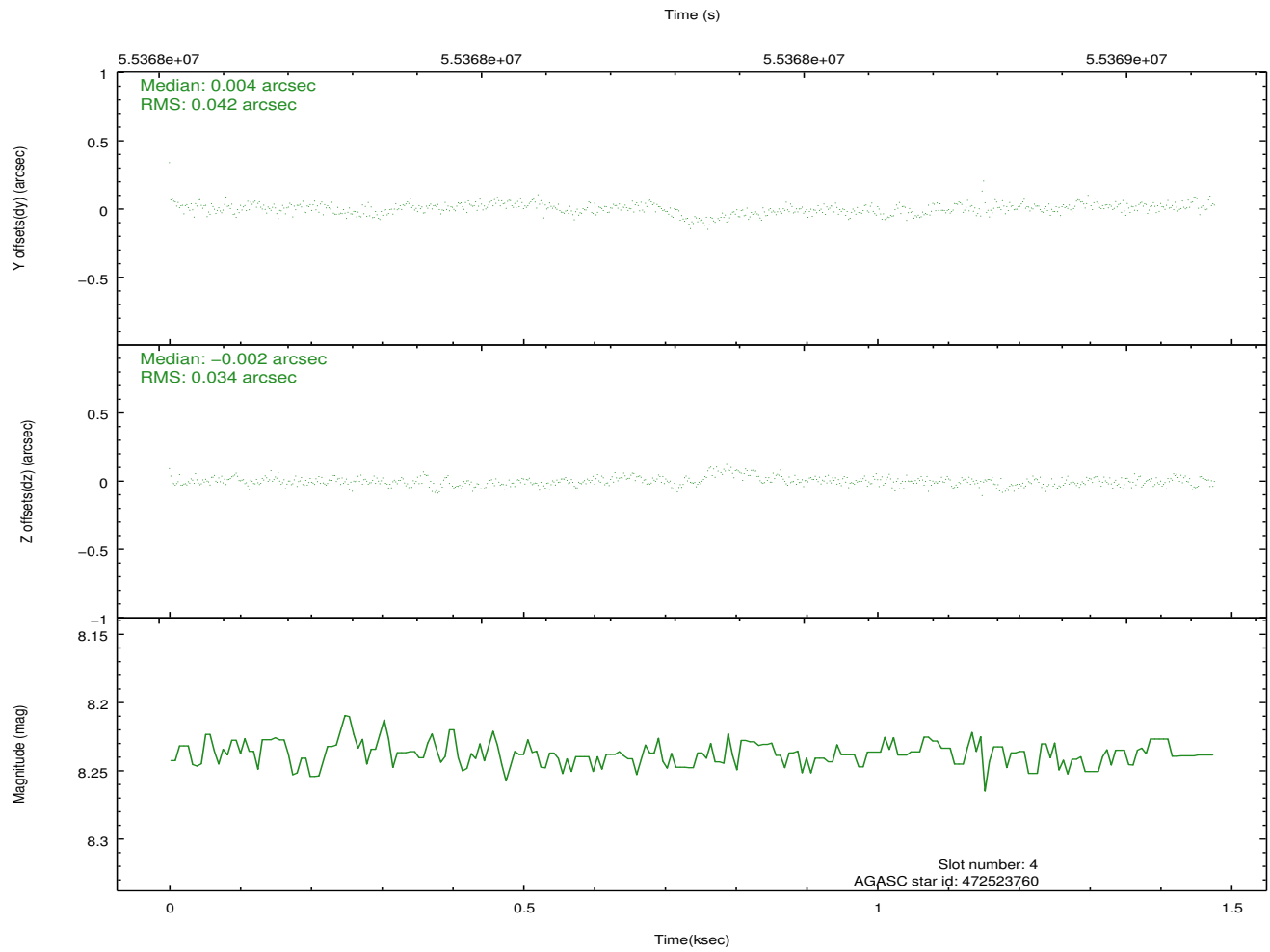
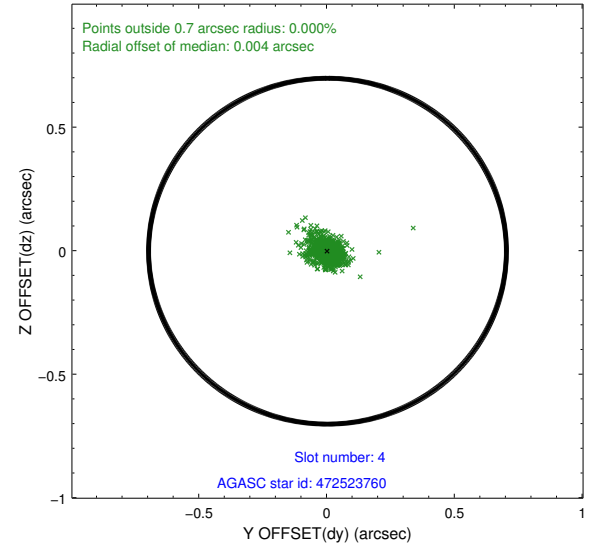
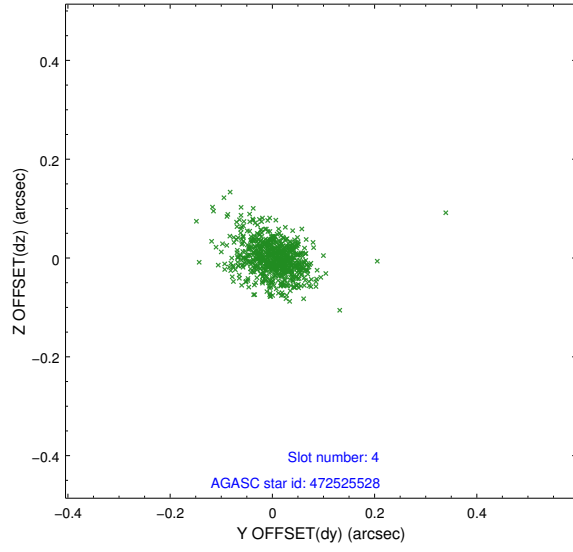


## 2.4 Star Slots

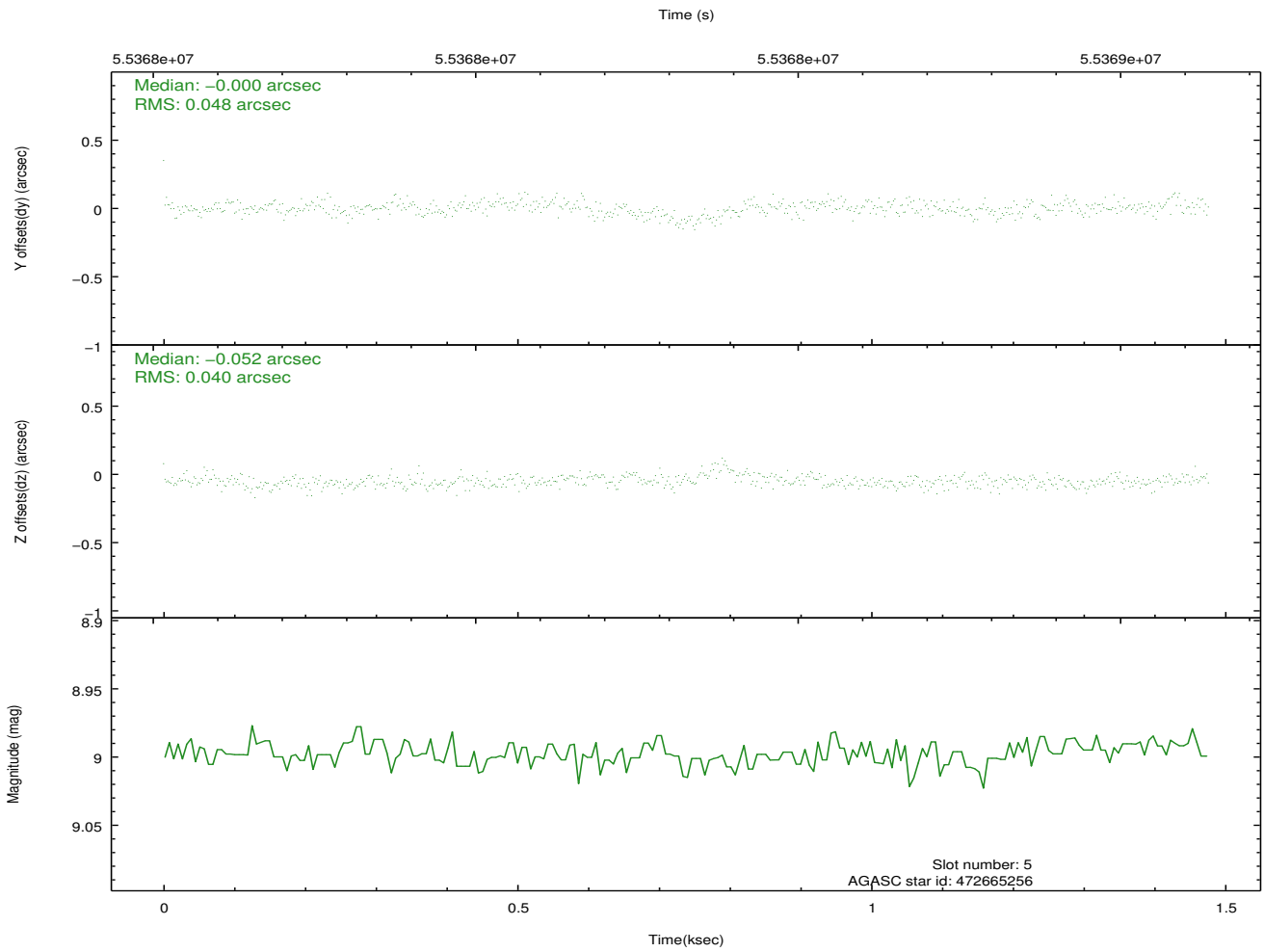
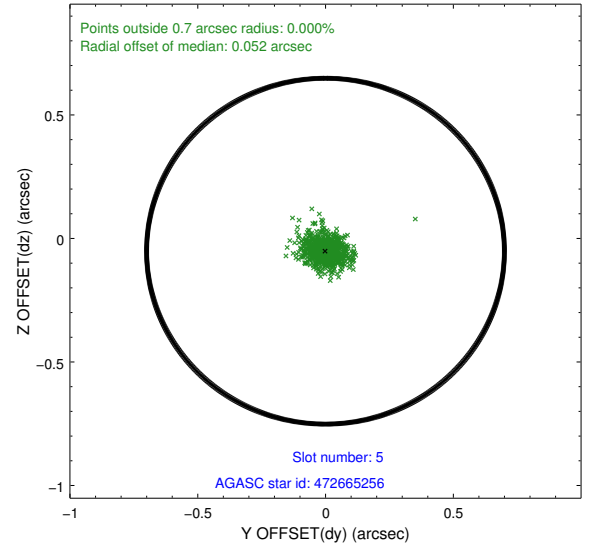
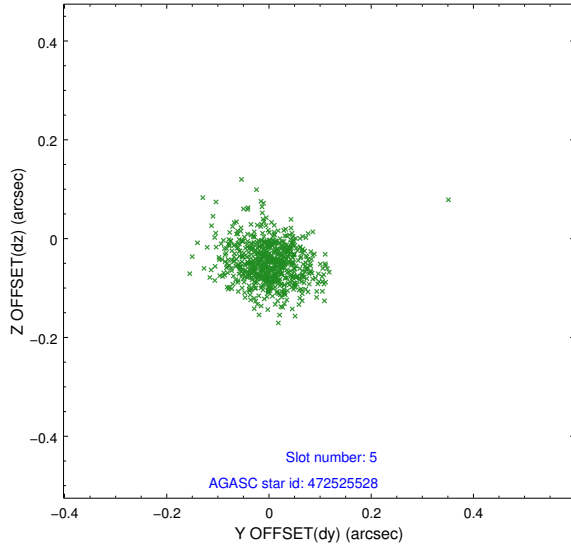
### 2.4.1 Slot 3



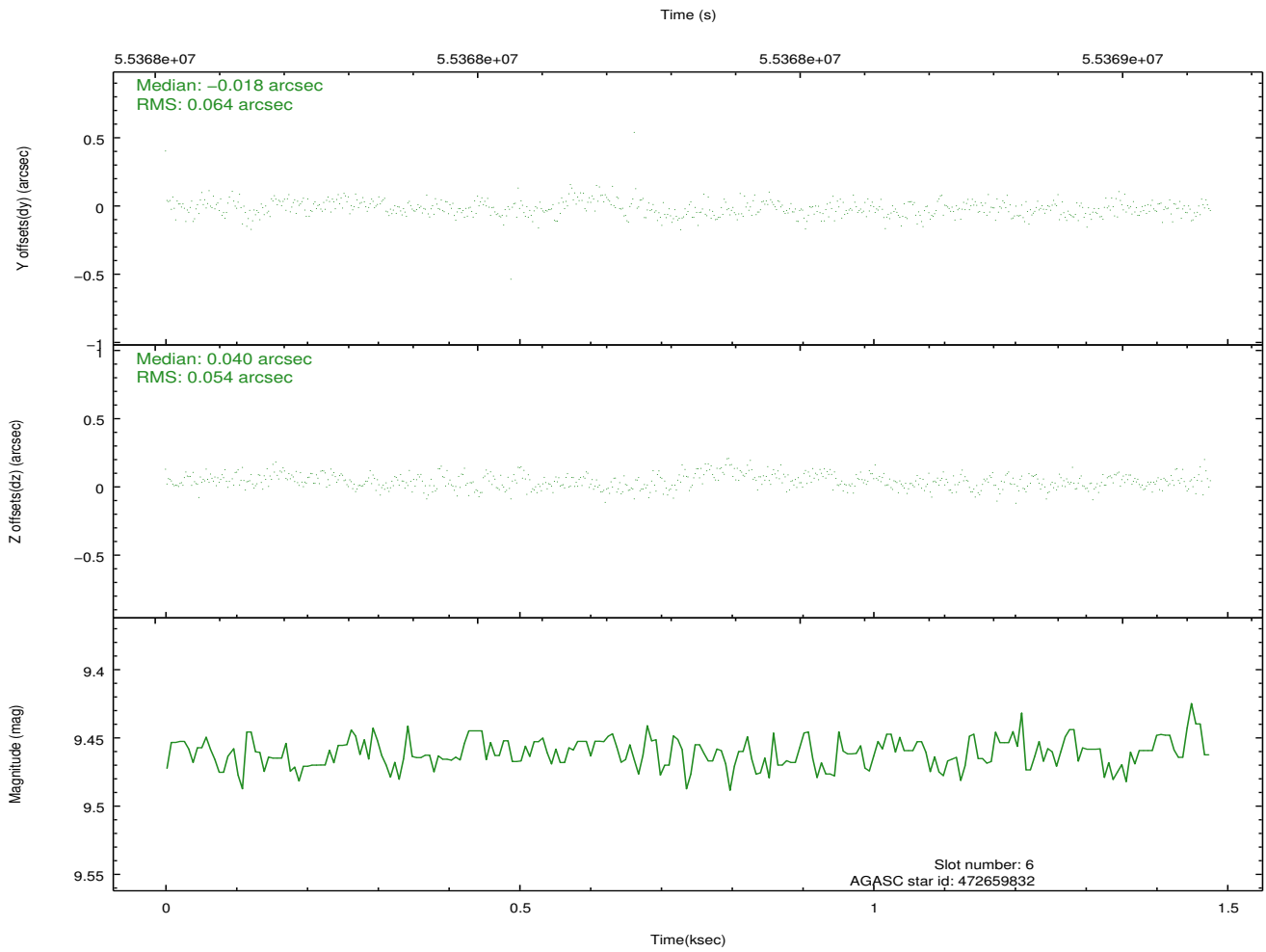
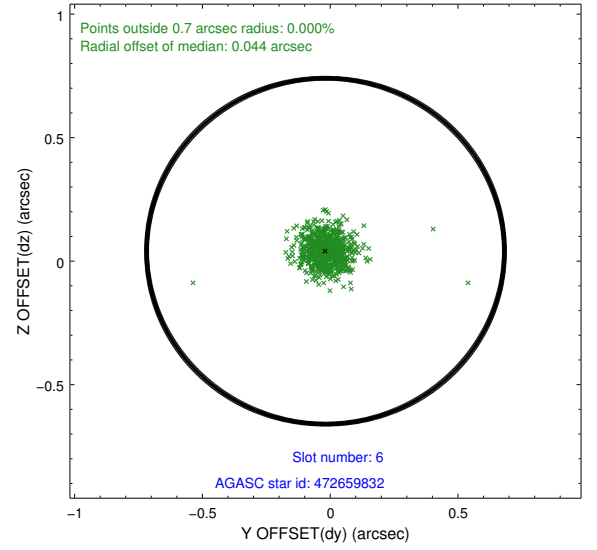
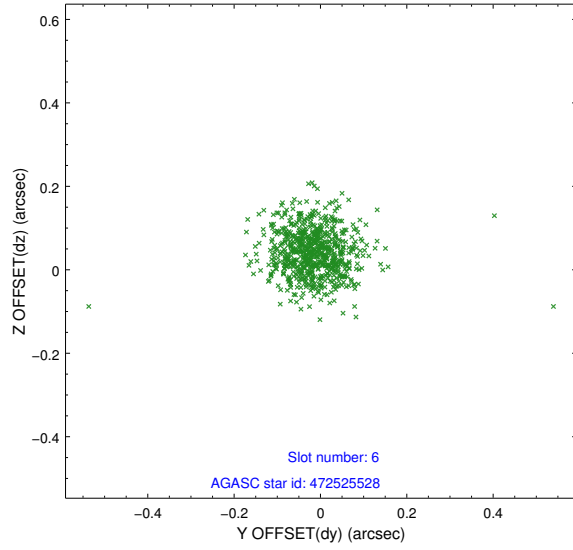
## 2.4.2 Slot 4



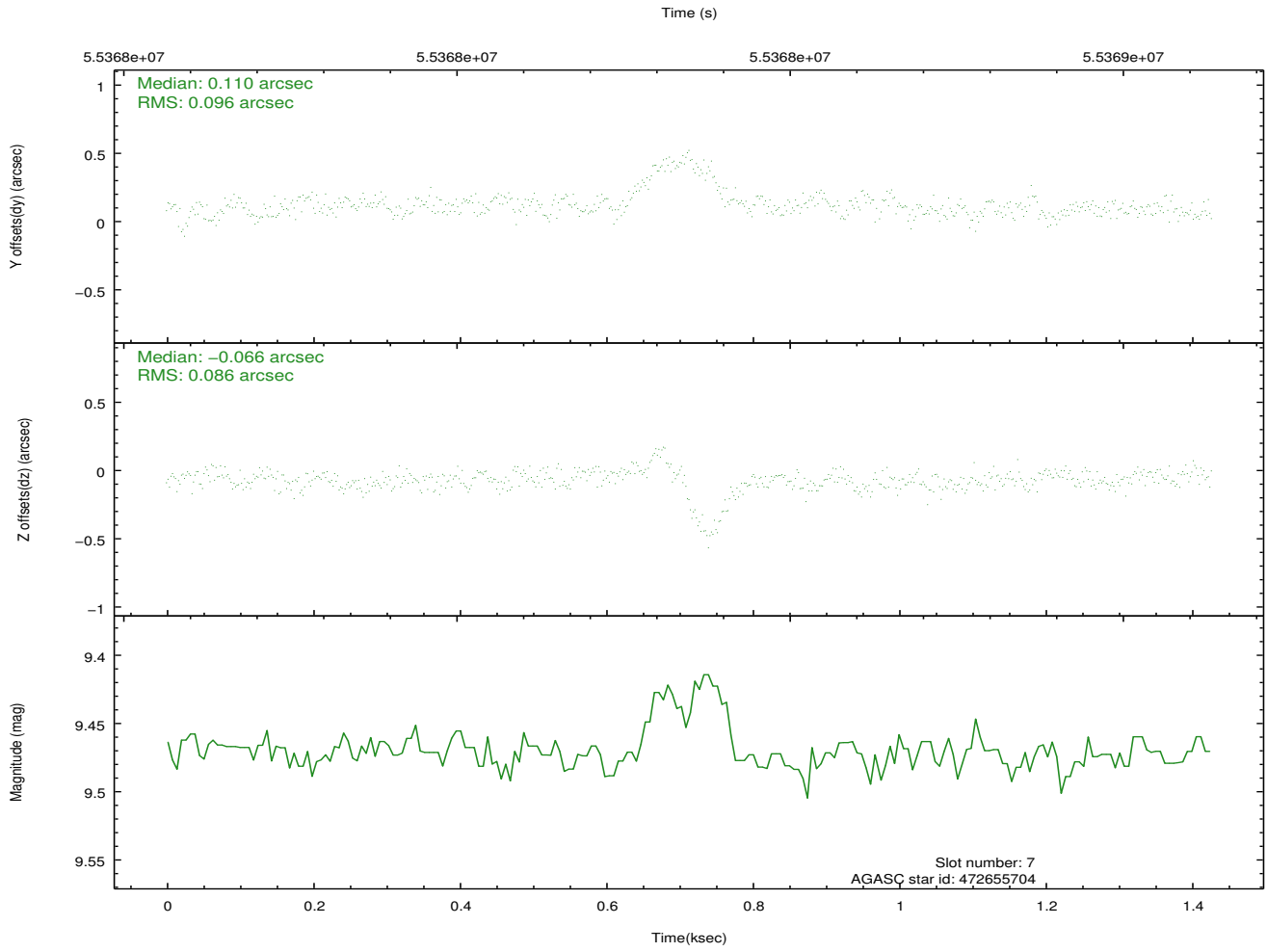
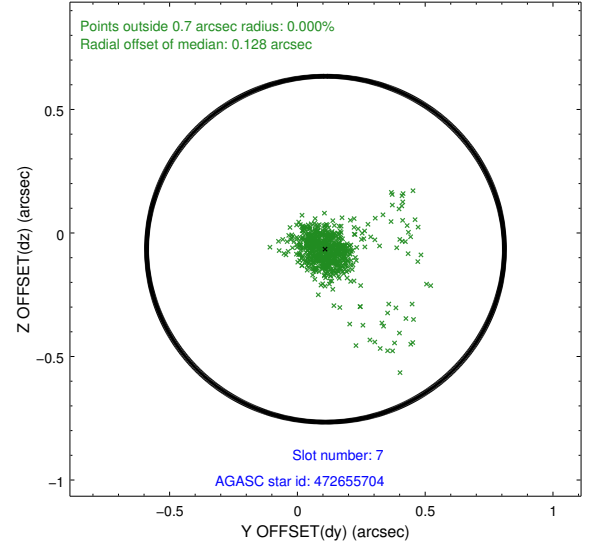
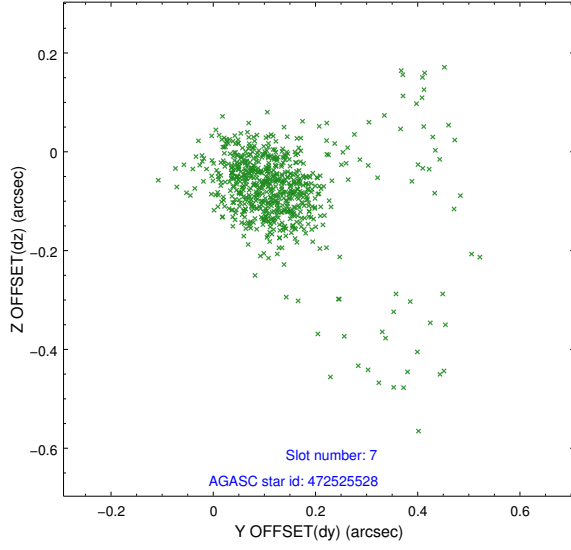
### 2.4.3 Slot 5



## 2.4.4 Slot 6

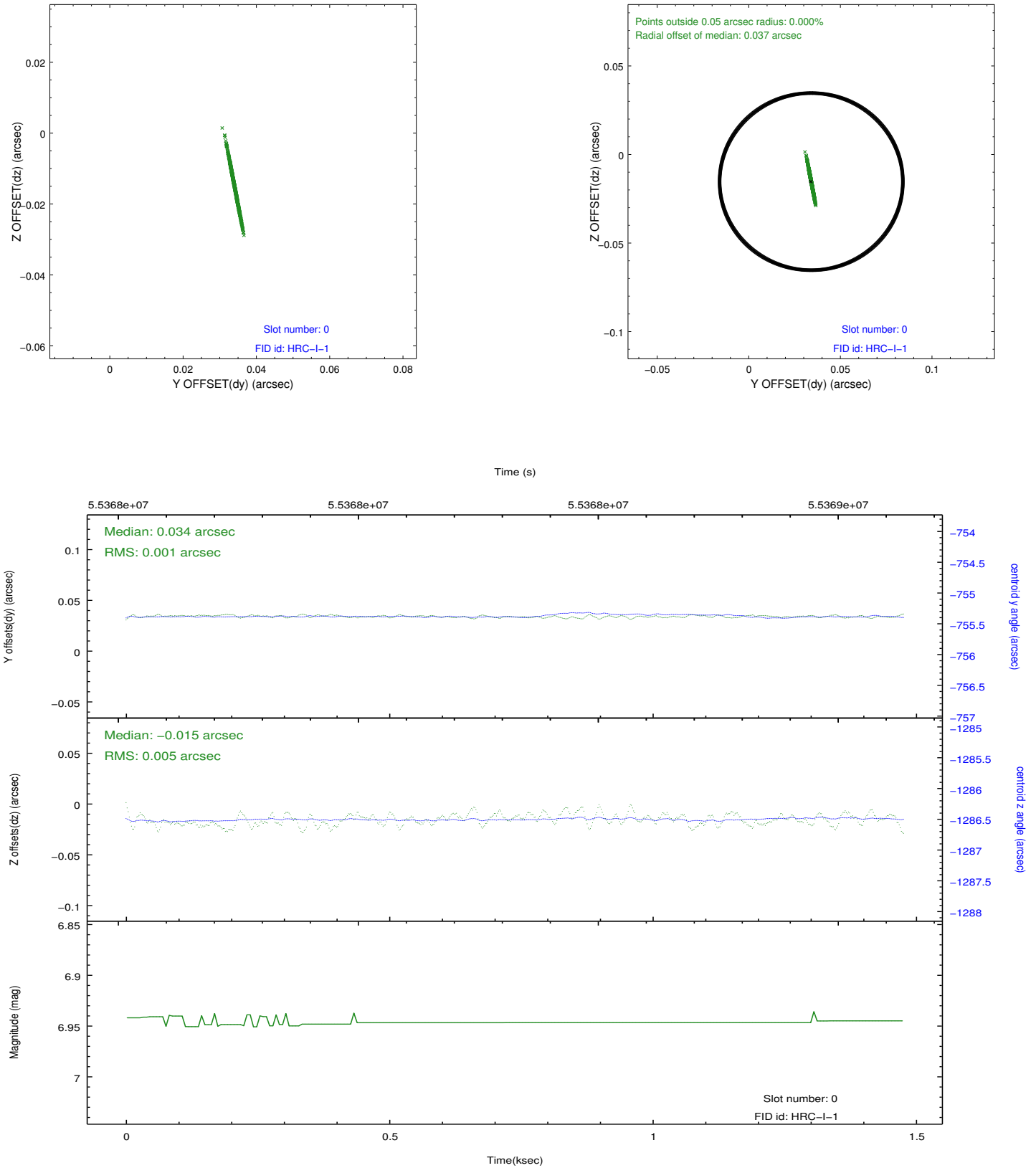


## 2.4.5 Slot 7

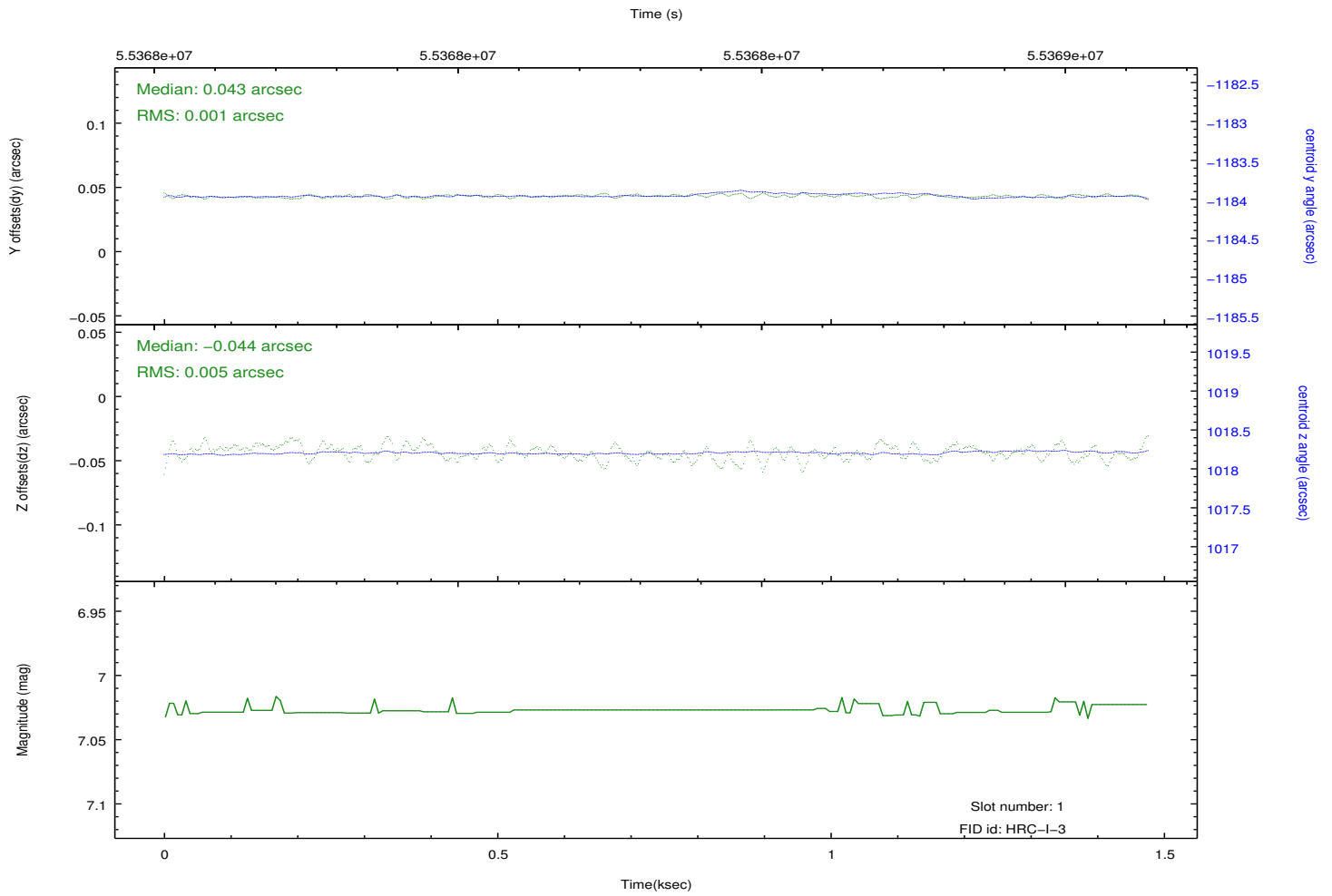
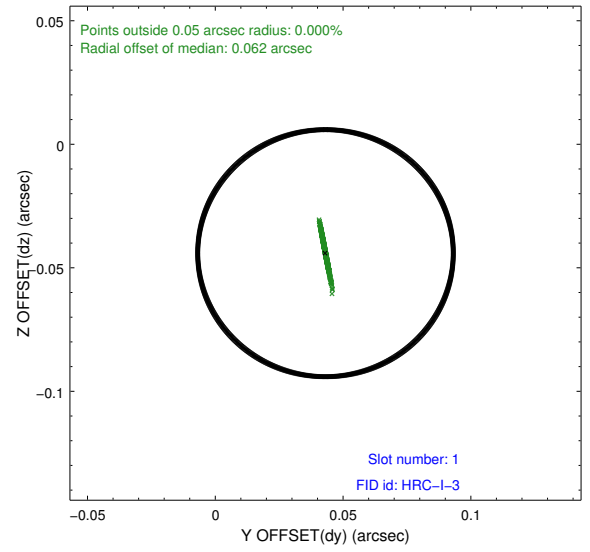
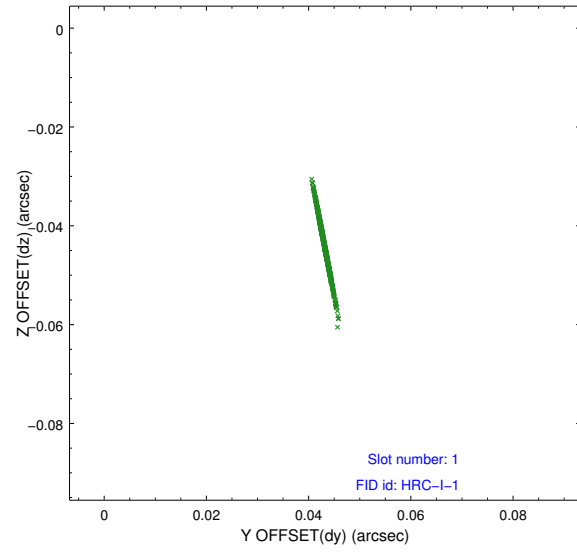


## 2.5 FID Slots

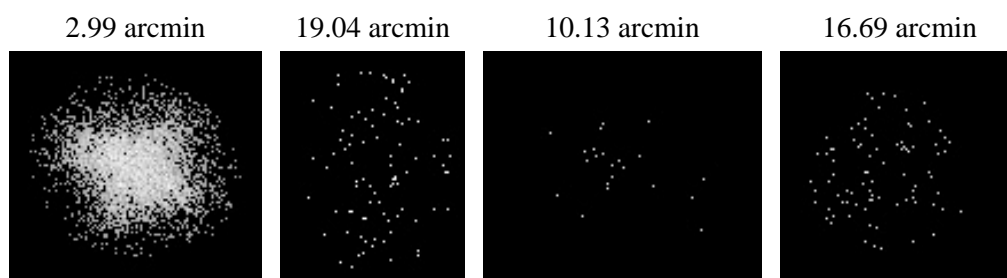
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 3 Point Sources





# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.273

## A.2 Comments

AR LAC observation to study HRC-I spatial gain dependence on HV. Source is off-axis.

Slot 2 was not utilized in this observation.