

# V&V Reference Report

## L2 ASCDS Version : 8.3.2.1

Observation 1327 - L2 Version 4

Chandra X-Ray Center

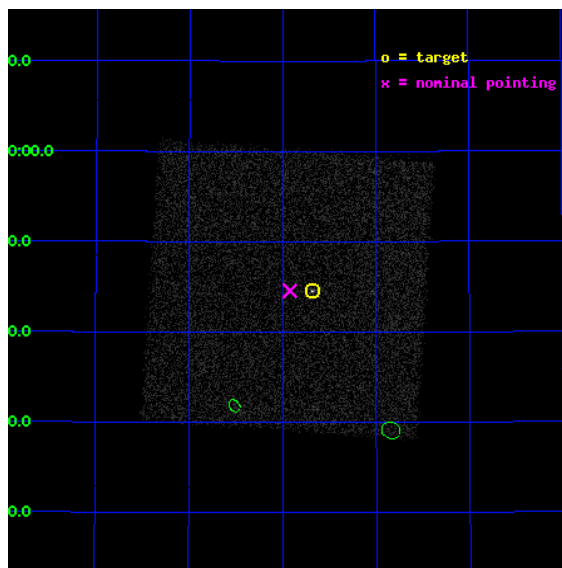
L2 Processing Date : Sep 28 2010

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# 1 Front

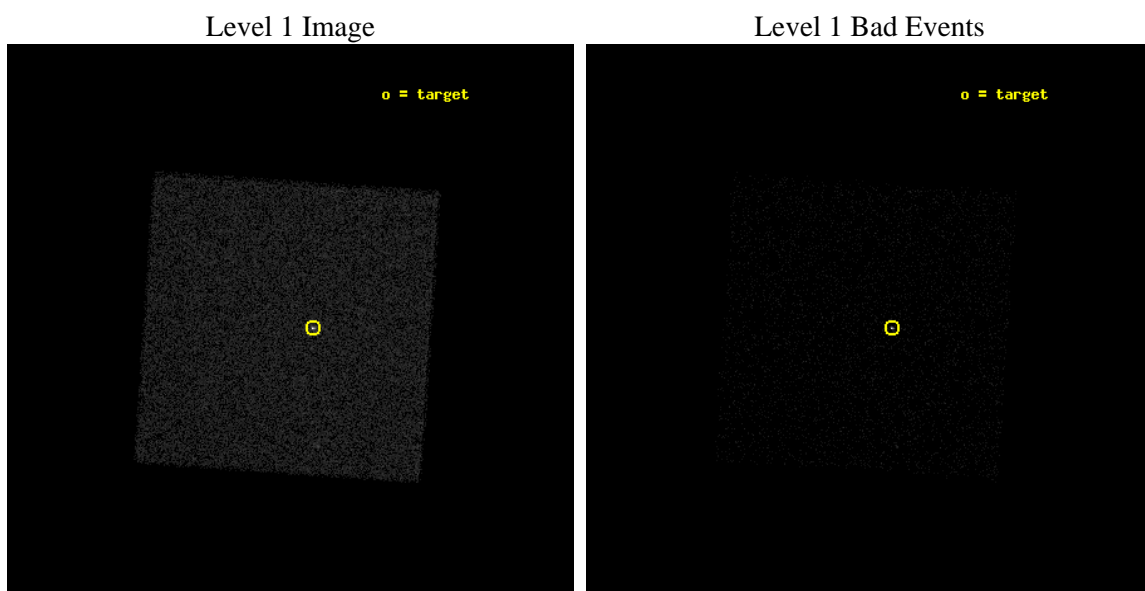
seq_num	280277	Sequence number
obs_id	1327	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.23021220202	Nominal RA
dec_nom	45.742767390227	Nominal Dec
roll_nom	228.86362986331	Nominal Roll
revision	4	Processing version of data
ontime	784.38127817214	[s]
livetime	778.58151517212	Ontime multiplied by DTCOR
l2events	28721	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	784.38127817214	[s]
caldbver	4.3.1	&#160	l1events	72903	Number of level 1 events
date	2010-09-28T16:26:17	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

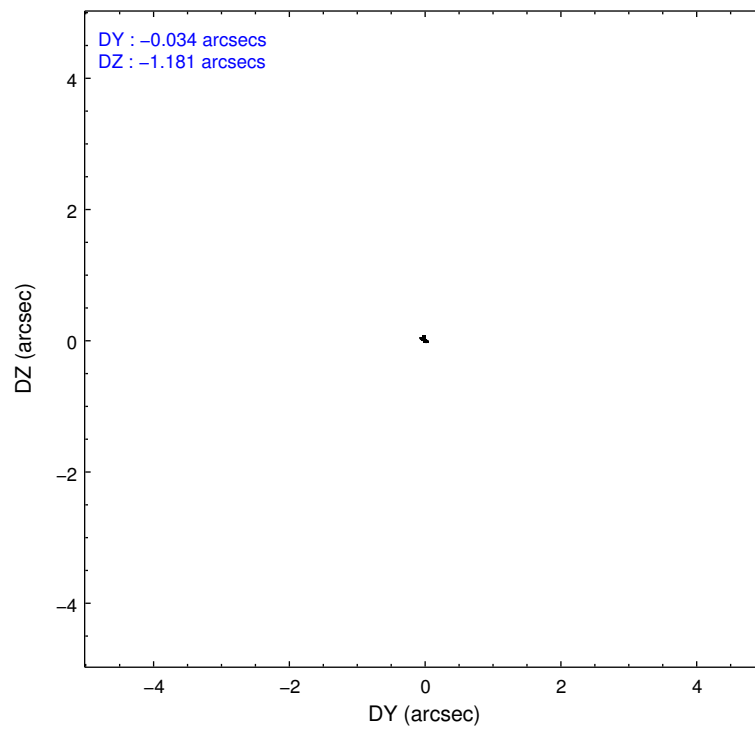
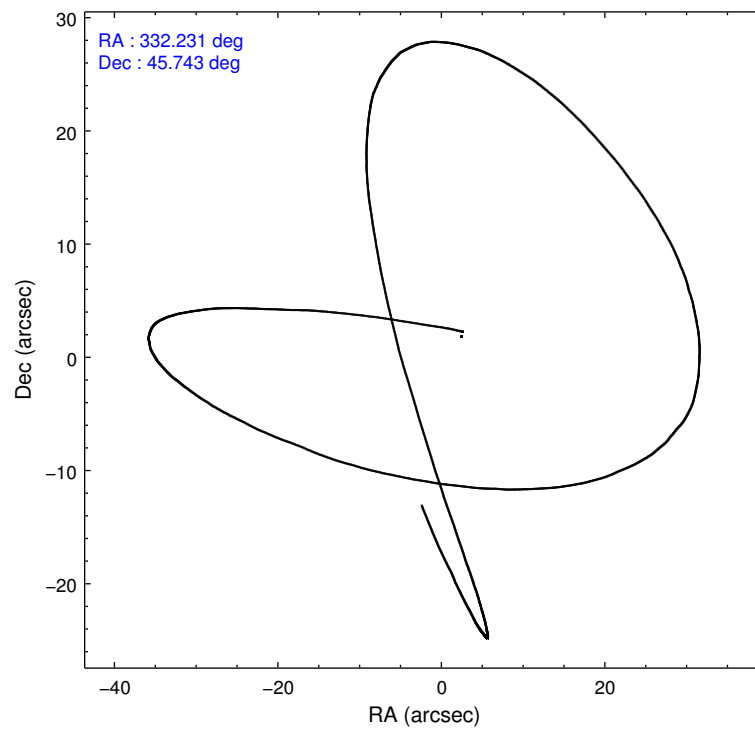
Level 1 Events

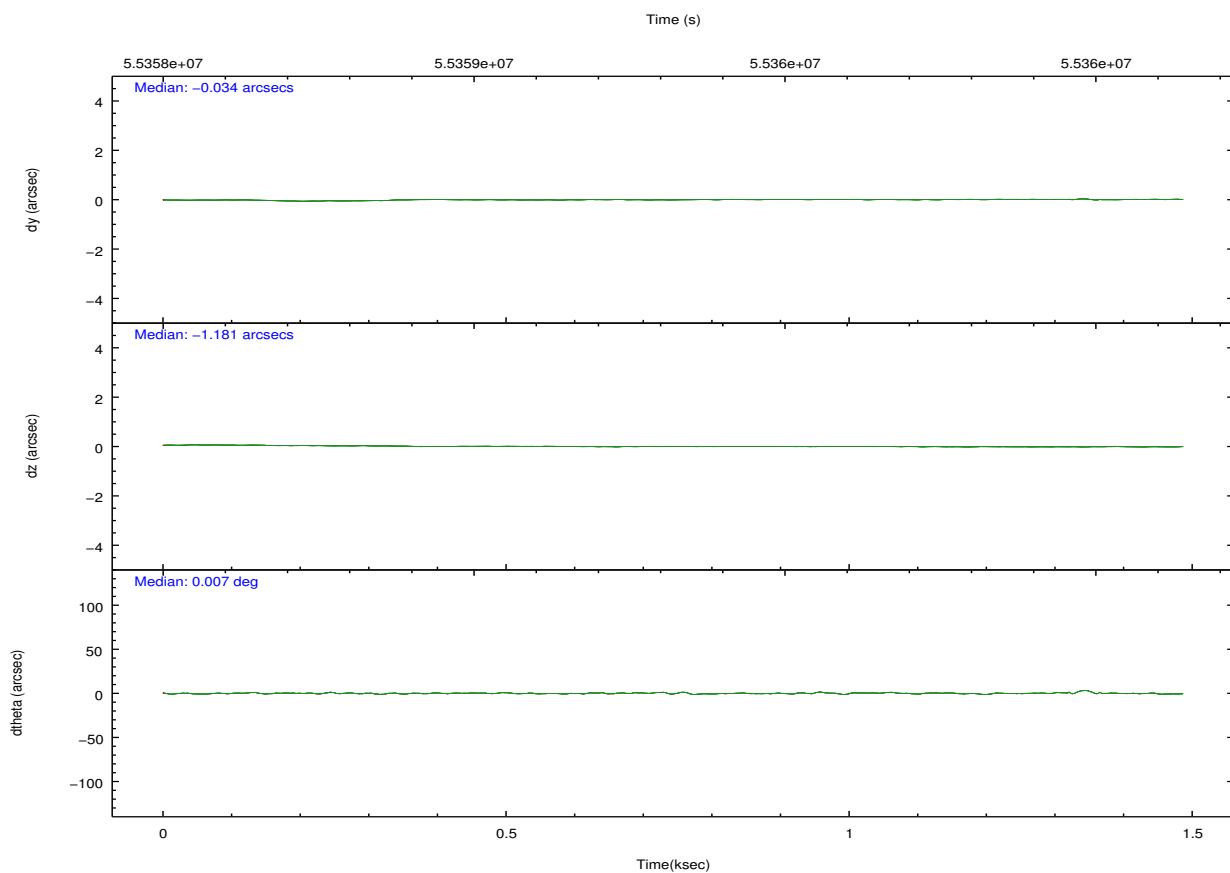
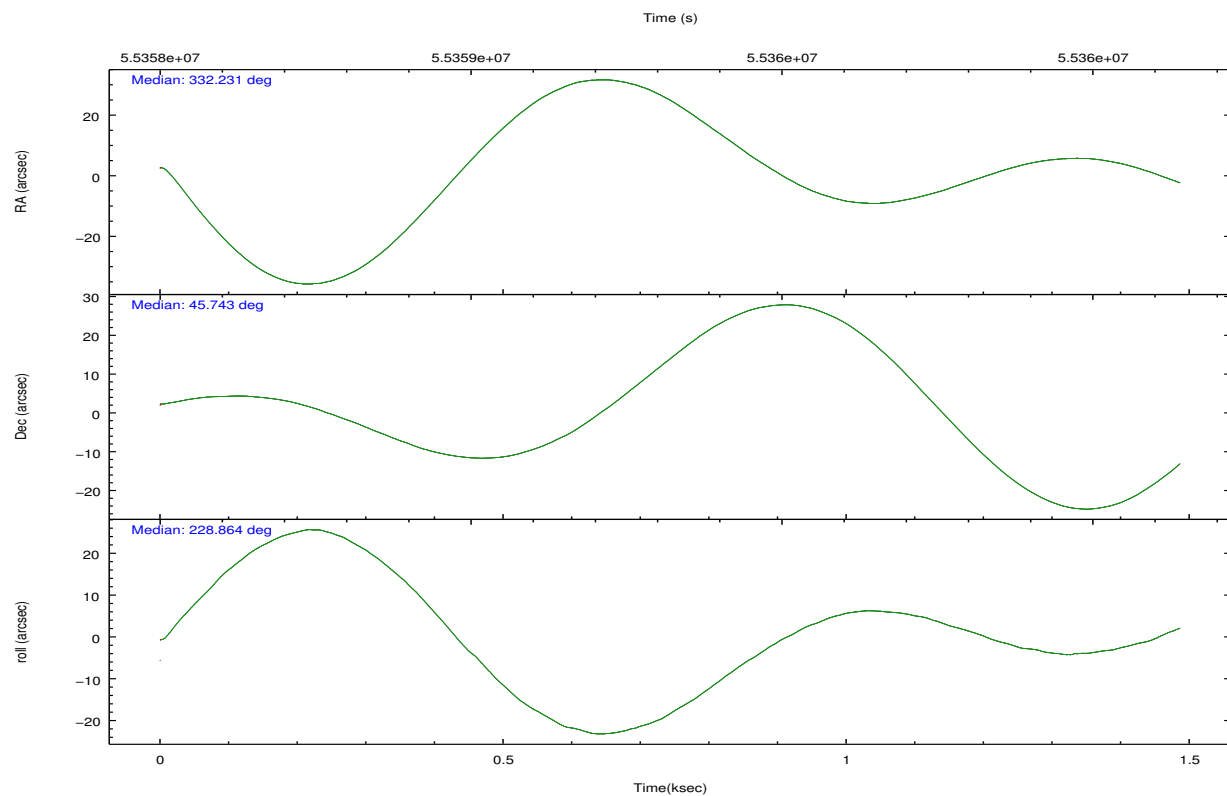
	<b>segment 0</b>
level 1 events	72903
rejected events	28800
rejected %	39%

## 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	332.238740	332.230212202015			
Pointing Dec	45.770431	45.74276739022726			
Pointing Roll	228.952975	228.8636298633096			
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	55359064.184000	55358397.544233			
Observation start date	1999-10-03T17:30:00	1999-10-03T17:19:57			
Observation end time	55360064.184000	55360197.444298			
Observation end date	1999-10-03T17:46:40	1999-10-03T17:49:57			

## 2.3 Aspect





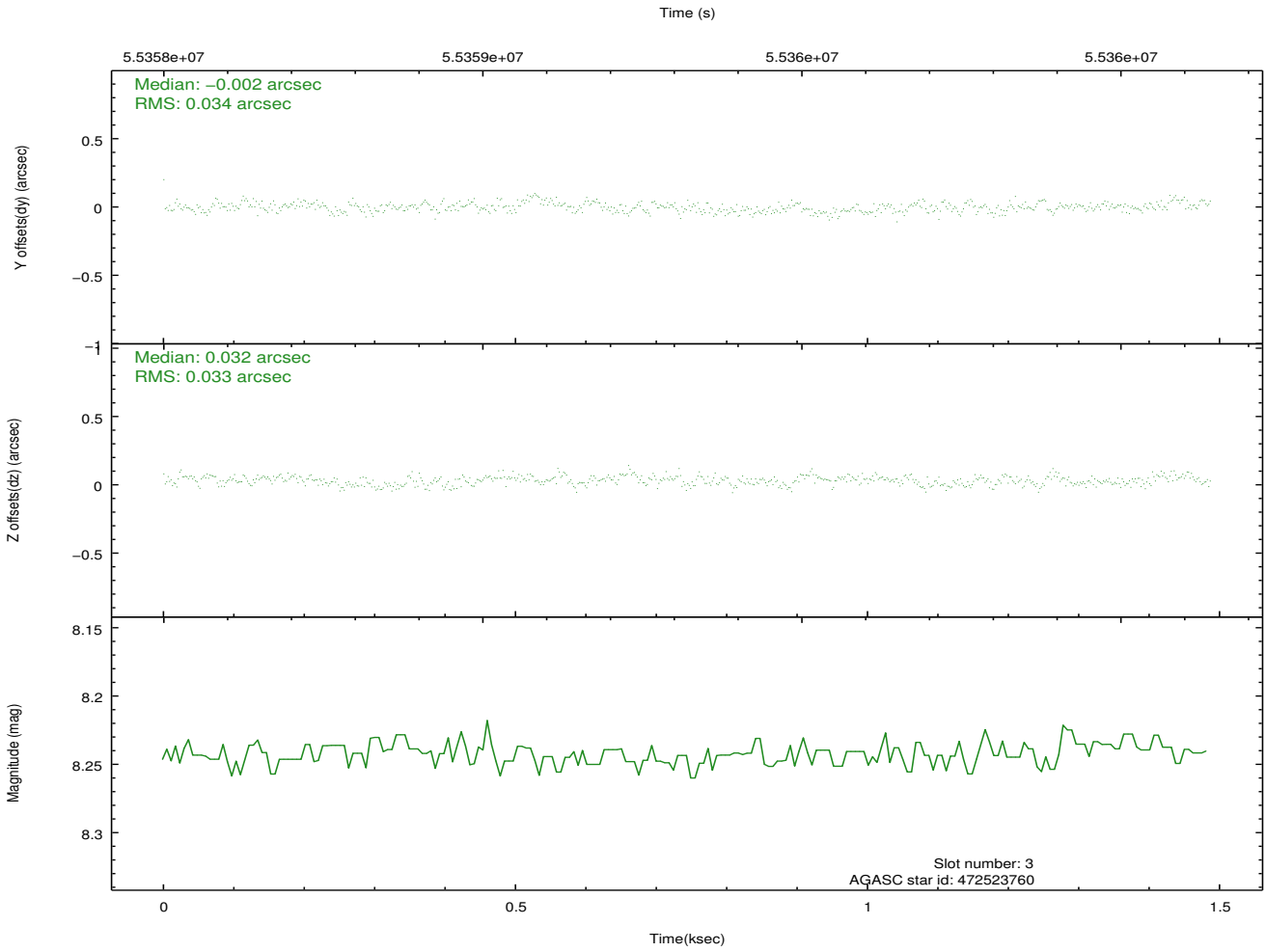
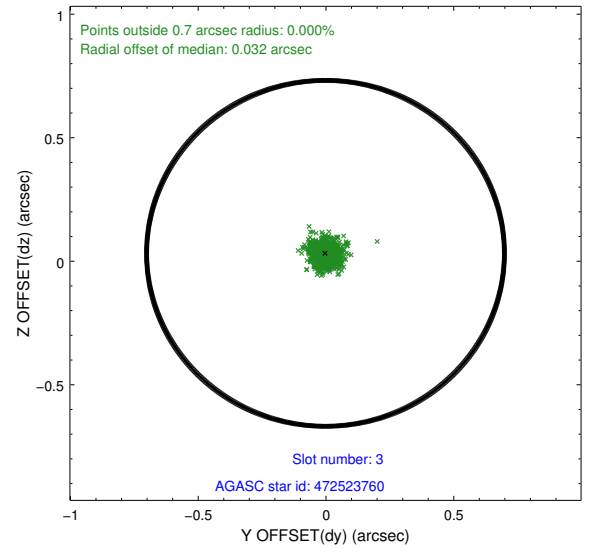
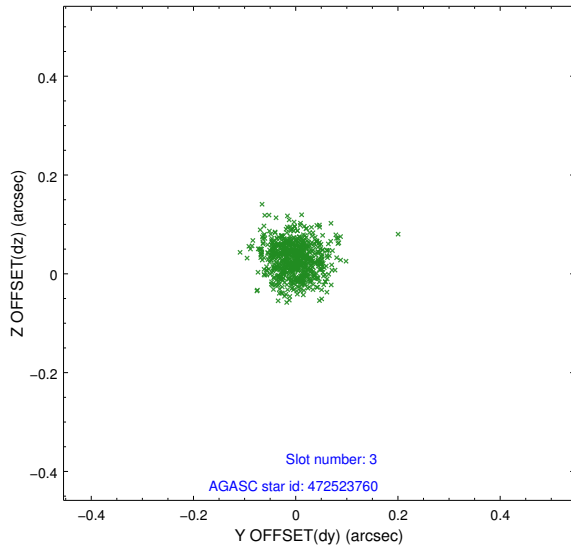
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.94	726	0.048	-0.012	0.005	0.010	0.000000	0.000000	-755.34	-1286.63
1	FID	HRC-I-3	7.02	726	0.054	-0.034	0.007	0.011	0.000000	0.000000	-1184.96	1016.31
2	FID	HRC-I-4	6.96	726	0.013	-0.043	0.006	0.009	0.000000	0.000000	1285.89	1017.14
3	GUIDE	472523760	8.24	726	-0.002	0.032	0.050	0.082	331.645363	45.403260	1974.71	-267.29
4	GUIDE	472665256	9.00	726	-0.016	-0.038	0.063	0.104	332.808125	46.195041	-2088.54	62.06
5	GUIDE	472659832	9.46	723	-0.035	0.056	0.081	0.134	332.780399	46.098139	-1786.96	241.61
6	GUIDE	472654568	9.44	726	0.021	-0.011	0.087	0.147	332.194449	45.063576	1987.82	1585.89
7	GUIDE	472655152	9.43	724	0.024	-0.039	0.090	0.141	332.504239	45.862991	-689.32	284.06

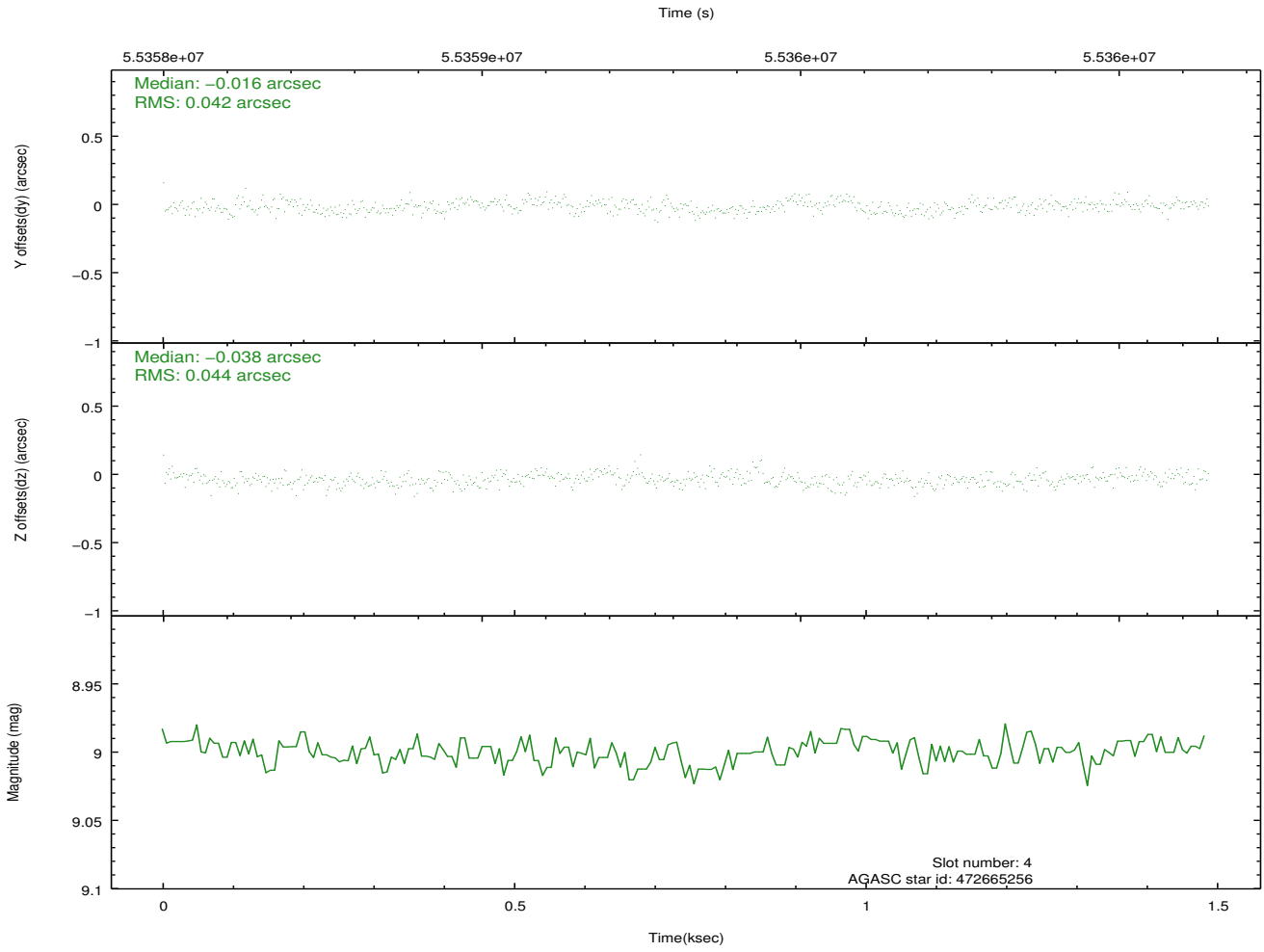
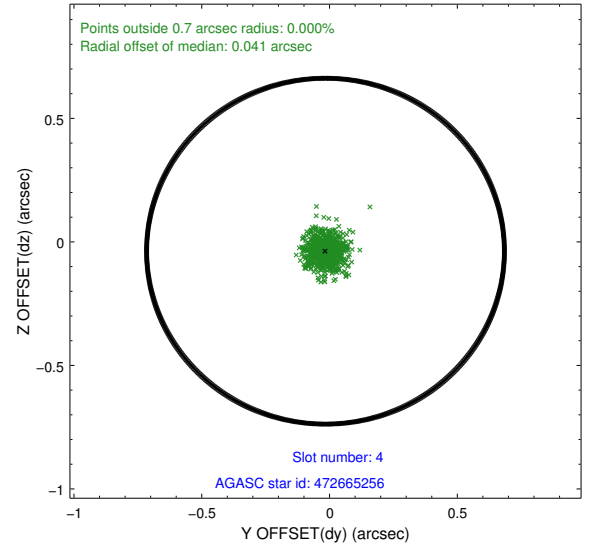
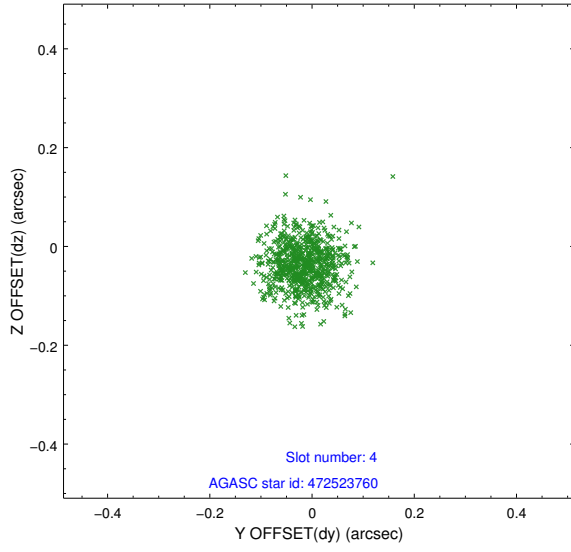


## 2.4 Star Slots

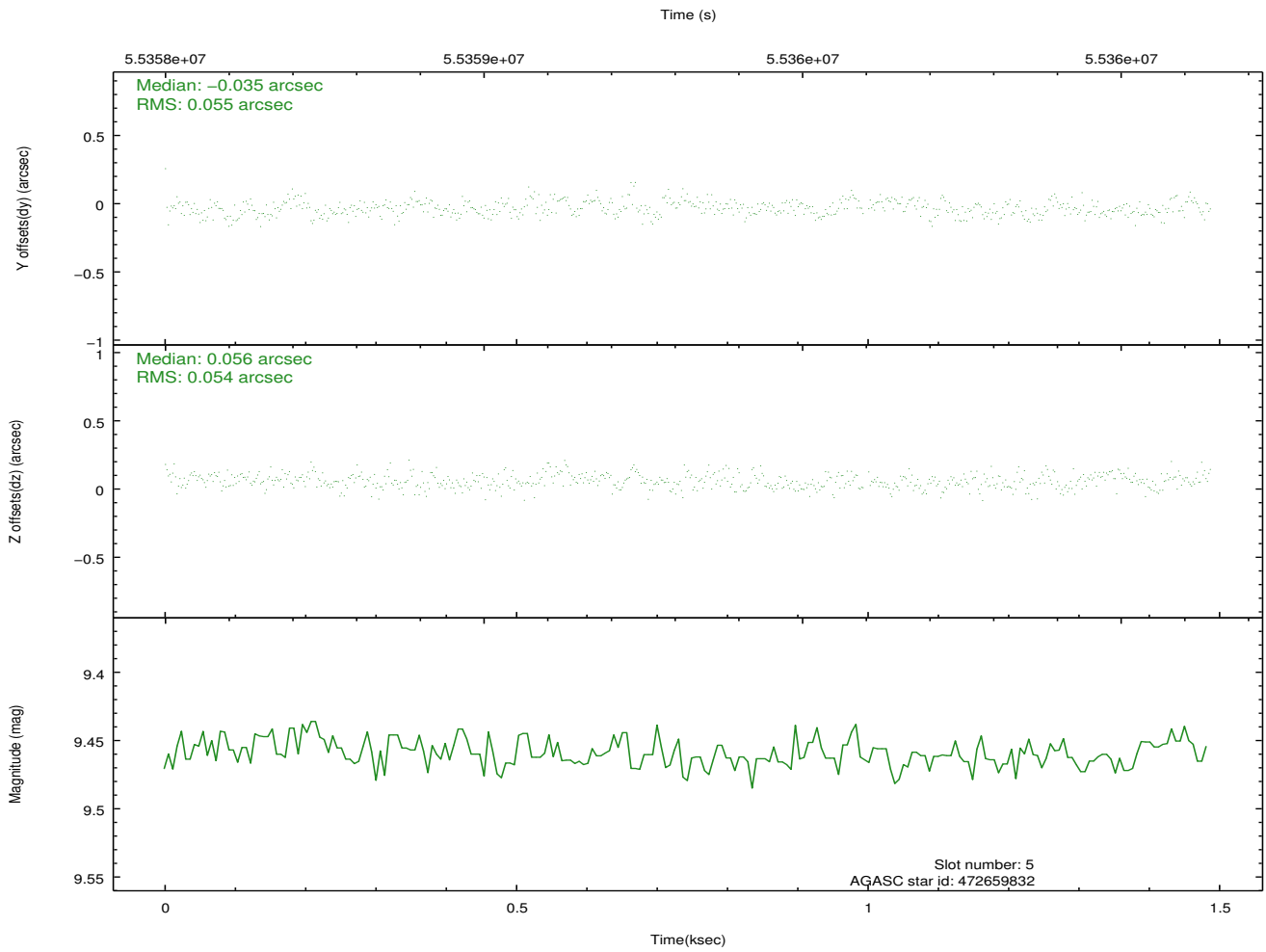
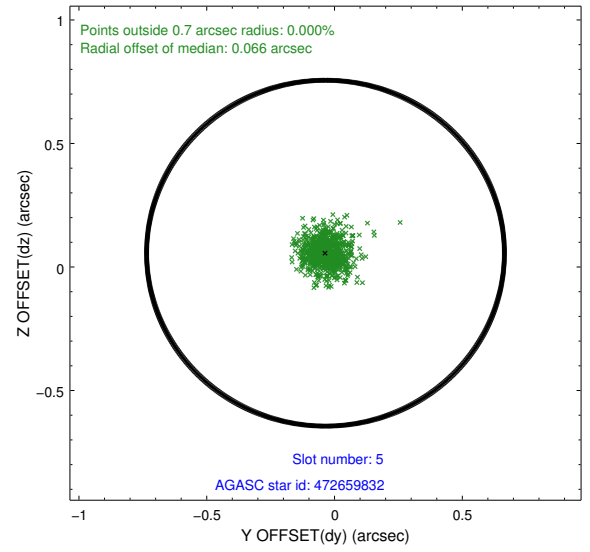
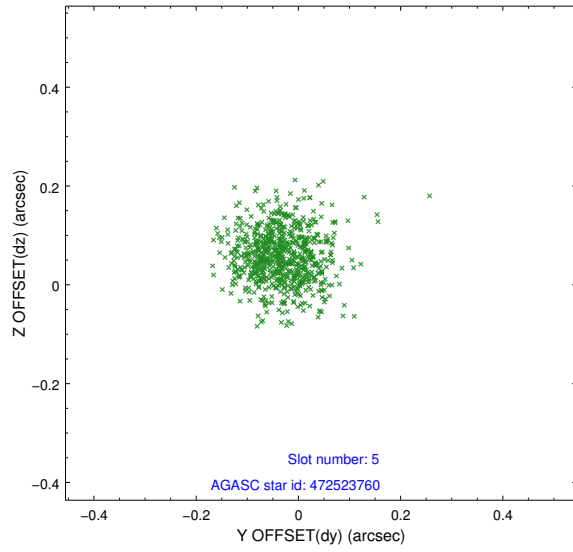
### 2.4.1 Slot 3



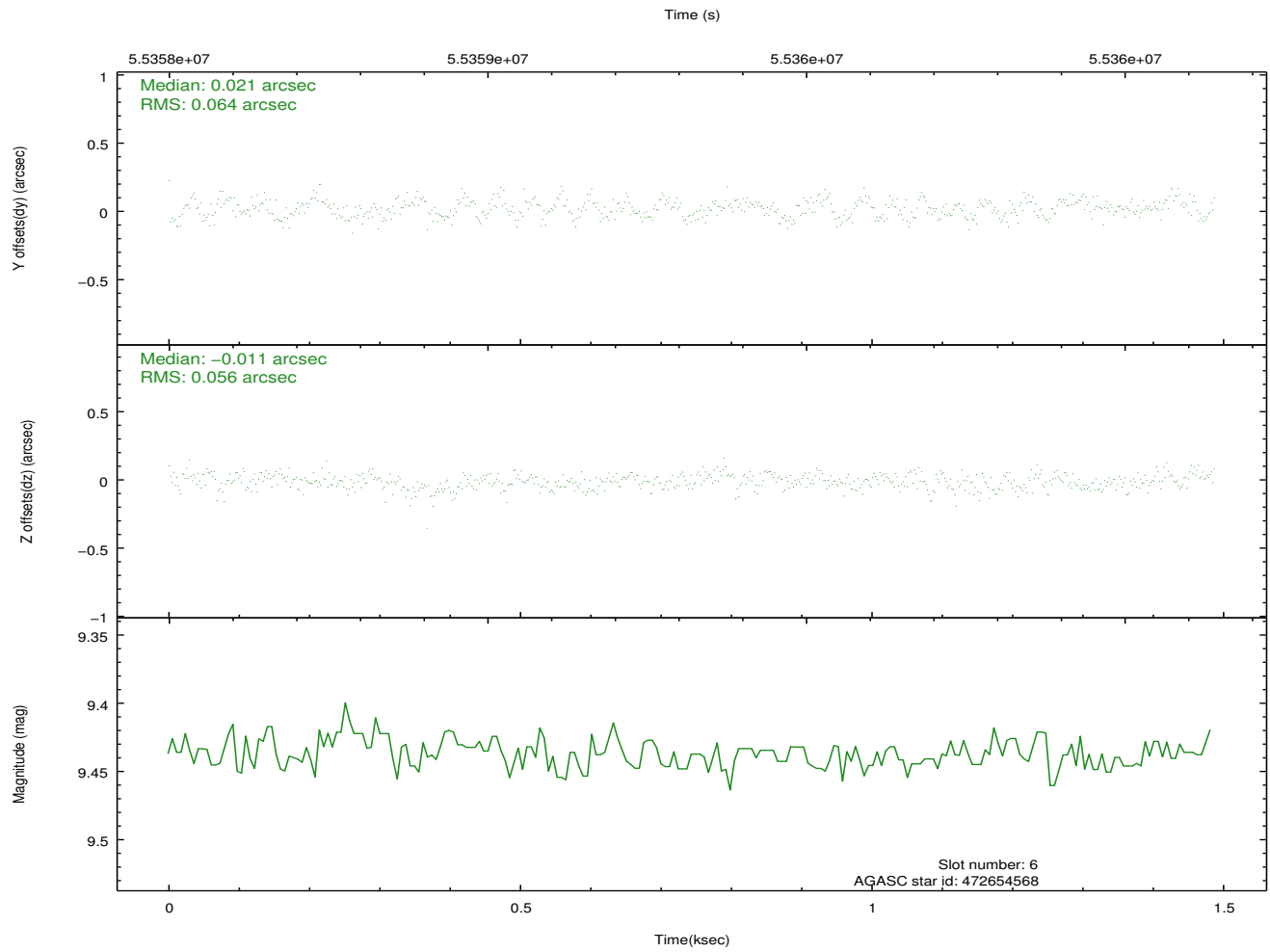
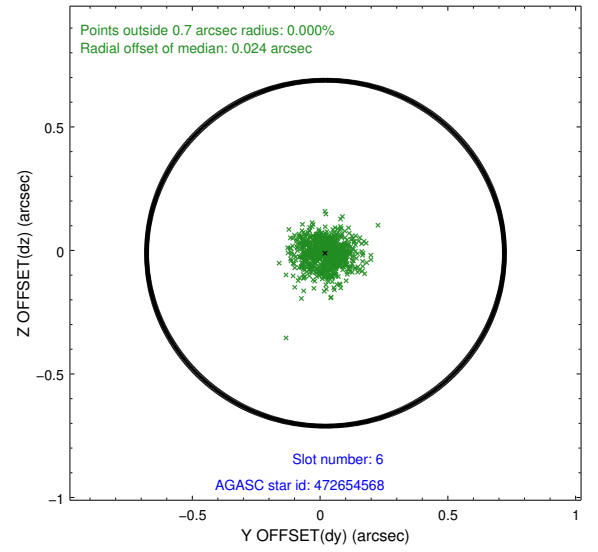
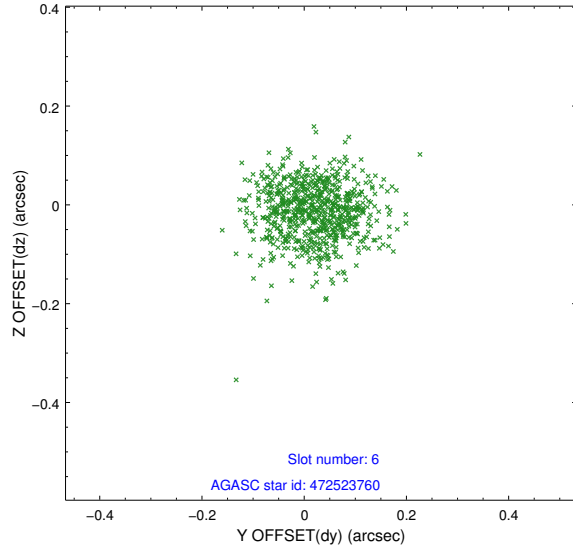
## 2.4.2 Slot 4



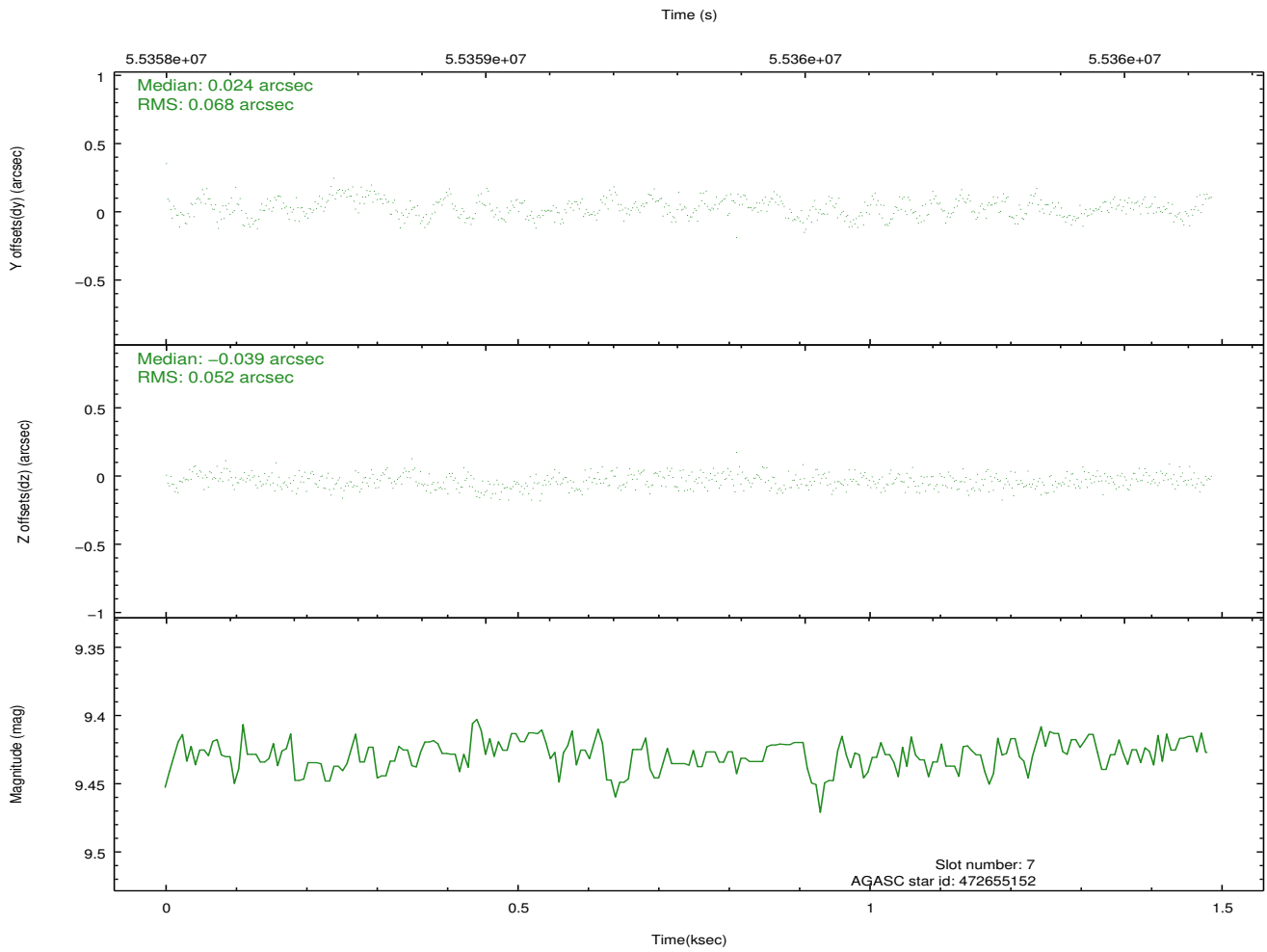
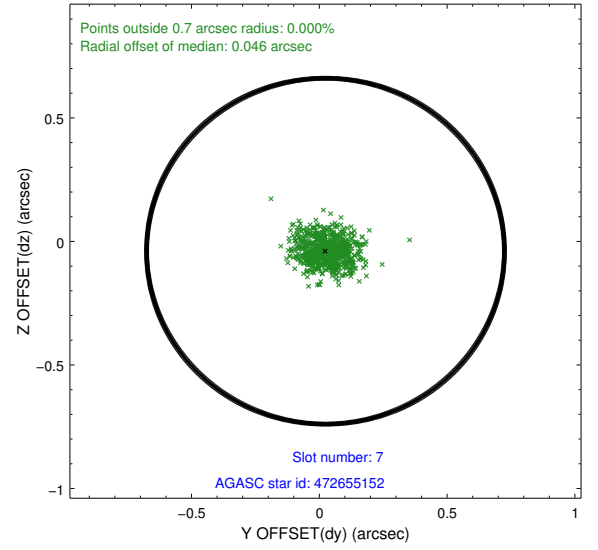
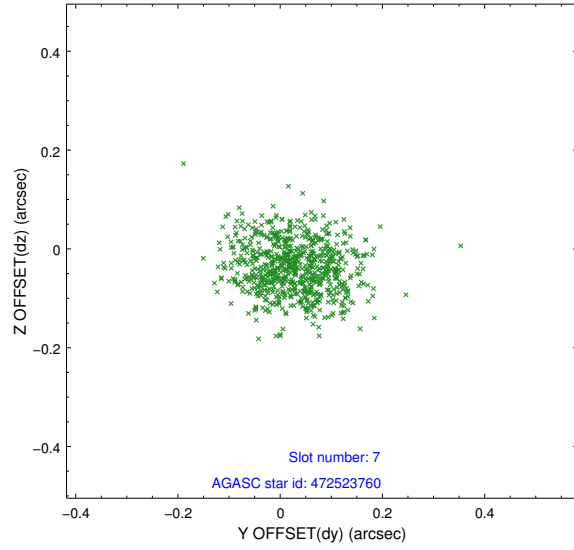
### 2.4.3 Slot 5



## 2.4.4 Slot 6

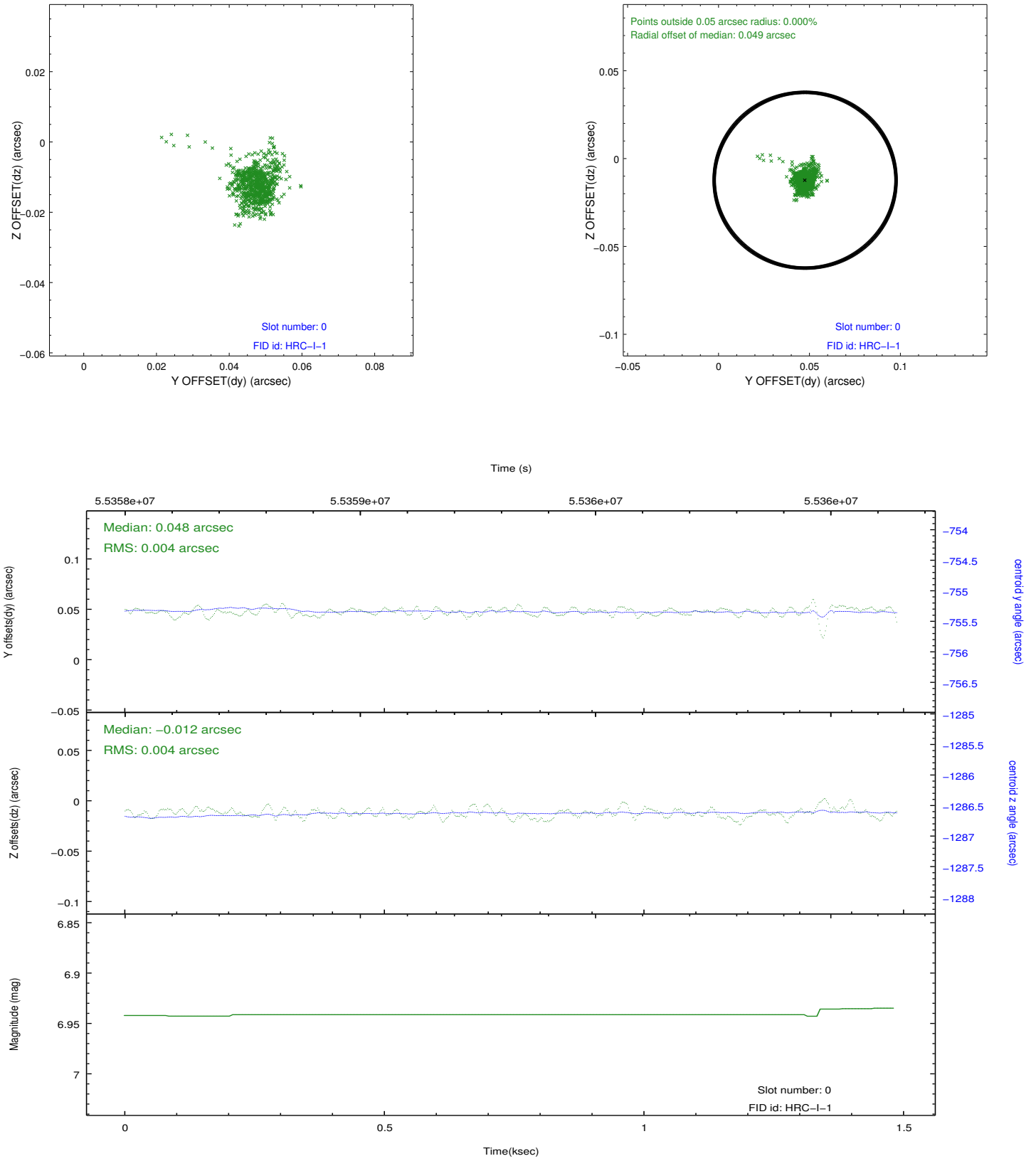


## 2.4.5 Slot 7

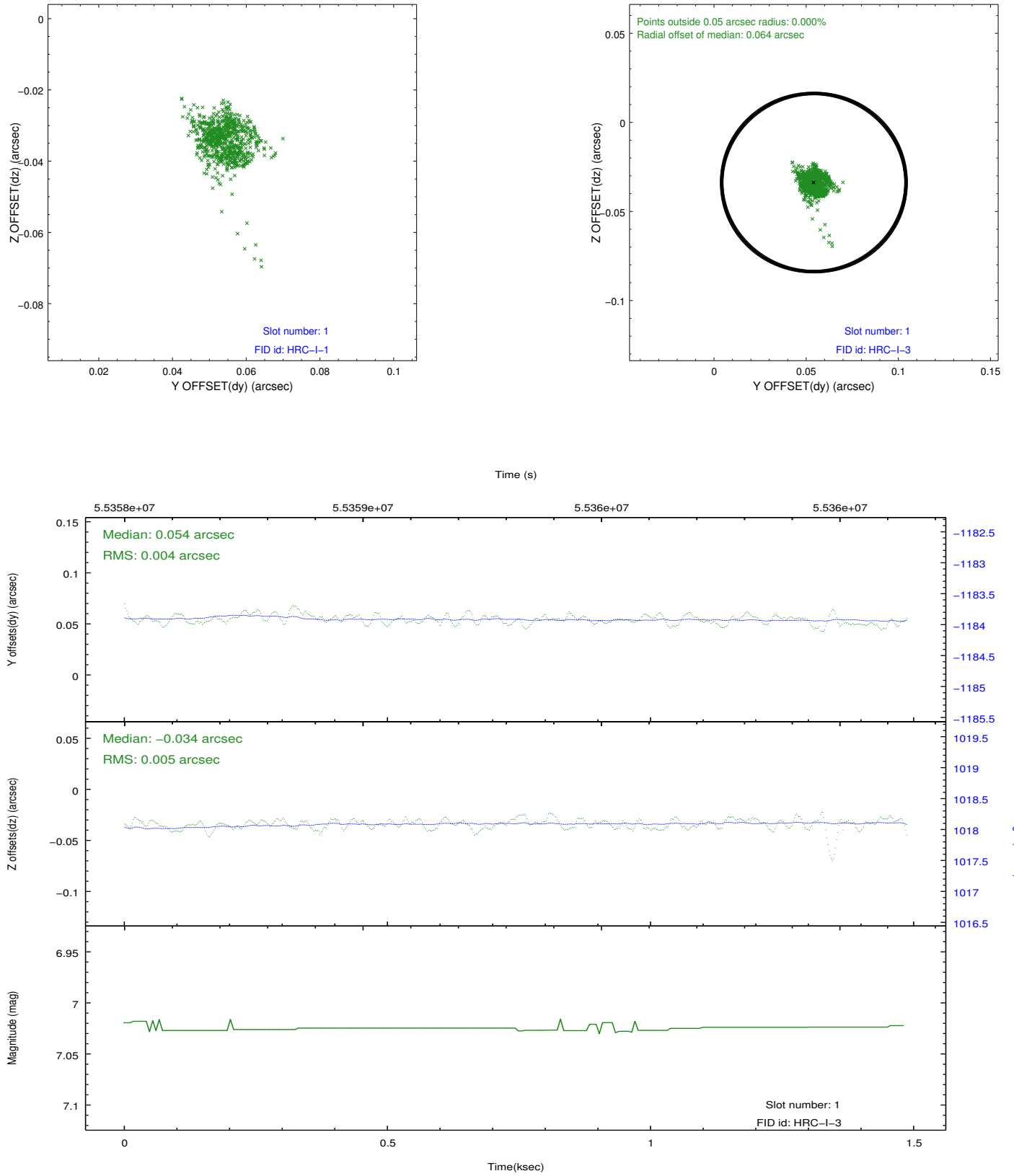


## 2.5 FID Slots

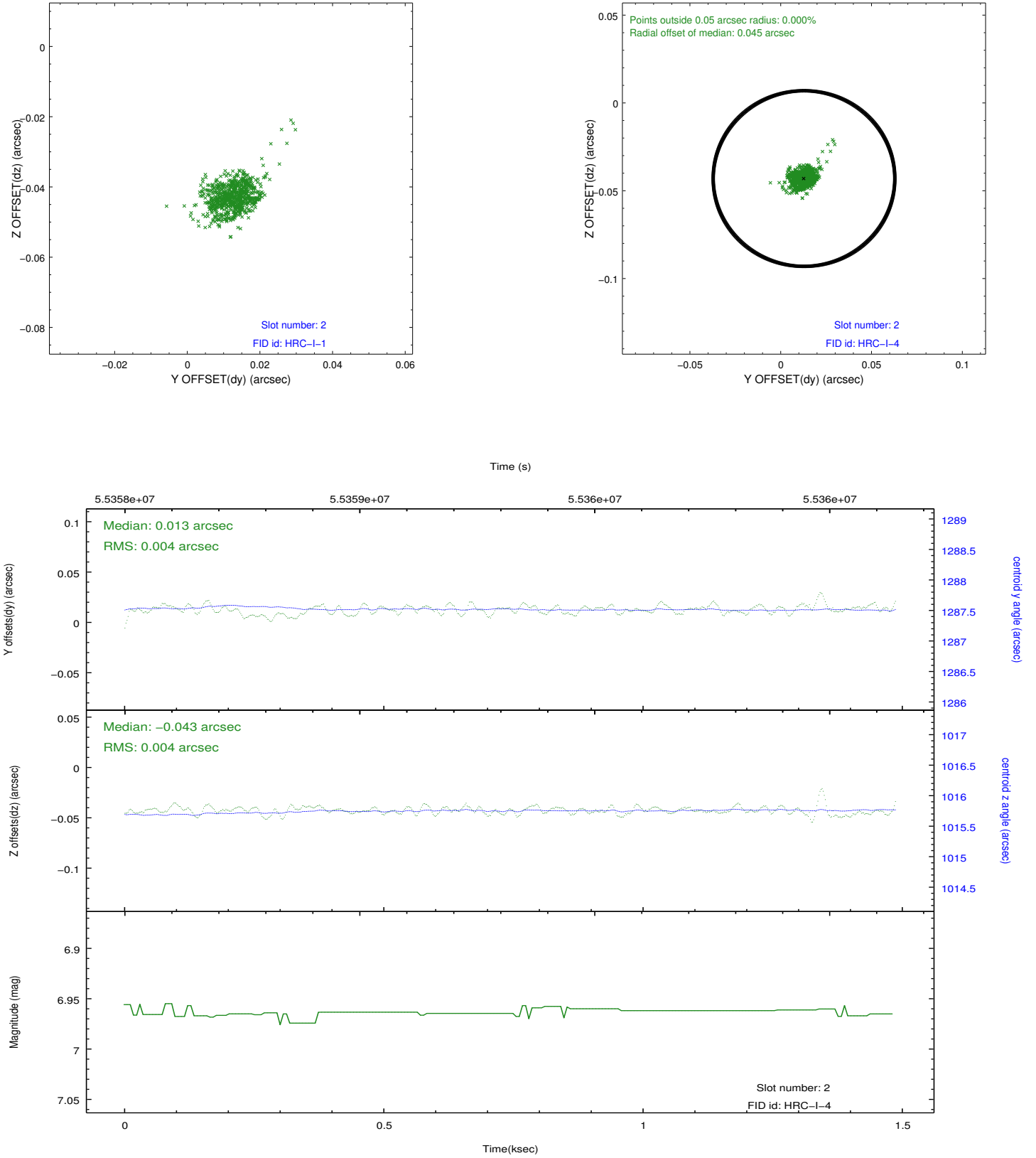
### 2.5.1 Slot 0



## 2.5.2 Slot 1

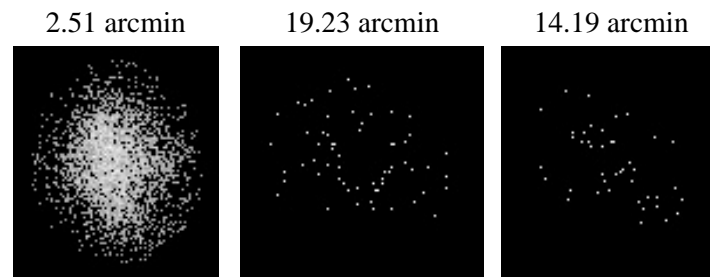


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.784

## A.2 Comments

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