

# V&V Reference Report

## L2 ASCDS Version : 8.3.2.1

Observation 1319 - L2 Version 4

Chandra X-Ray Center

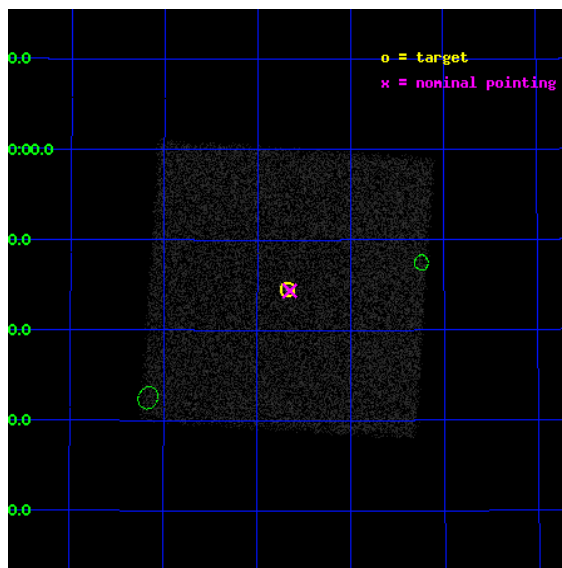
L2 Processing Date : Sep 28 2010

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# 1 Front

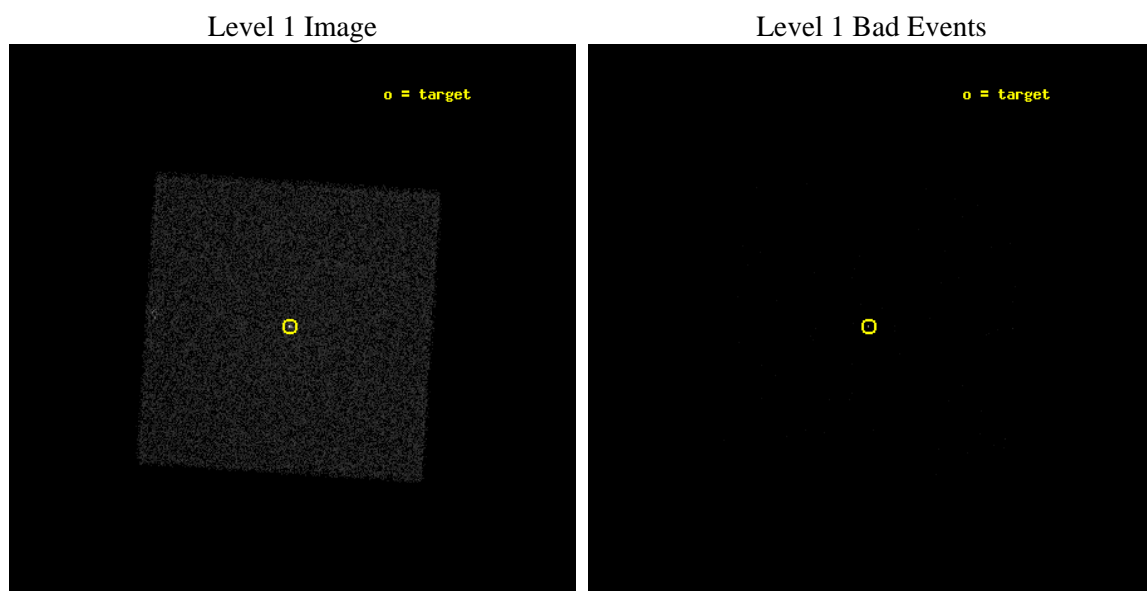
seq_num	280269	Sequence number
obs_id	1319	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.16267772108	Nominal RA
dec_nom	45.739700325489	Nominal Dec
roll_nom	228.74916765752	Nominal Roll
revision	4	Processing version of data
ontime	1163.6312919259	[s]
livetime	1155.3441099093	Ontime multiplied by DTCOR
l2events	36297	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	1163.6312919259	[s]
caldbver	4.3.1	&#160	l1events	63768	Number of level 1 events
date	2010-09-28T15:13:26	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

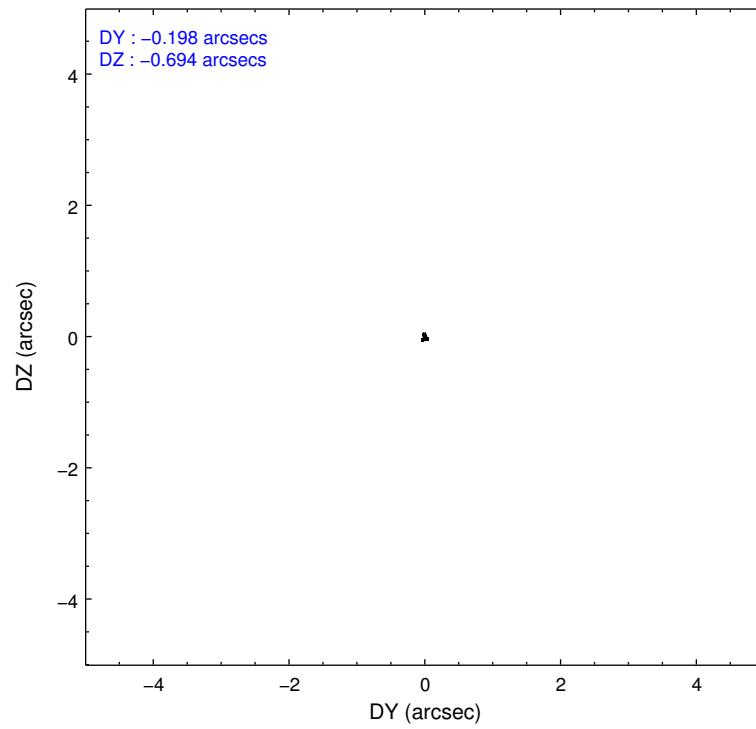
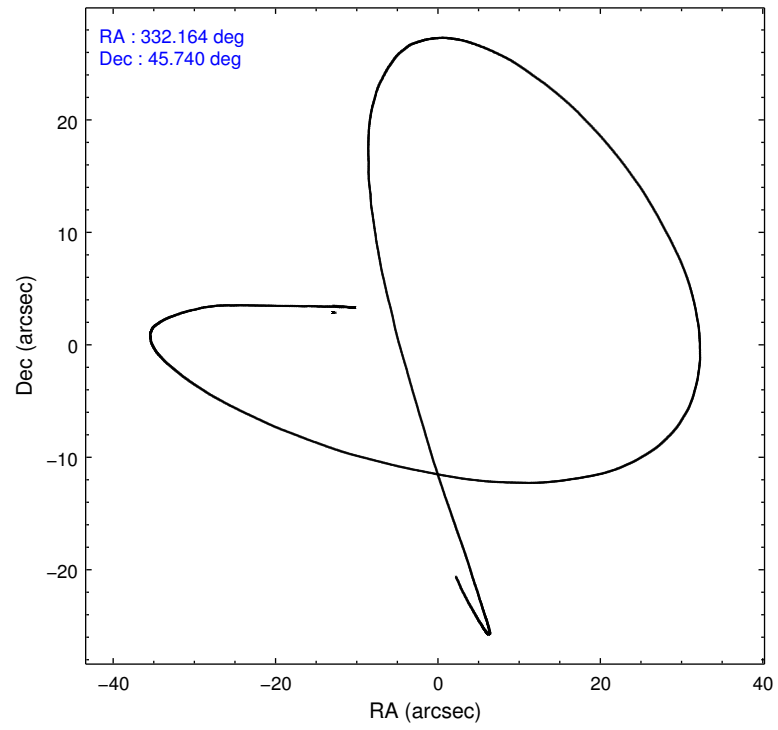
#### Level 1 Events

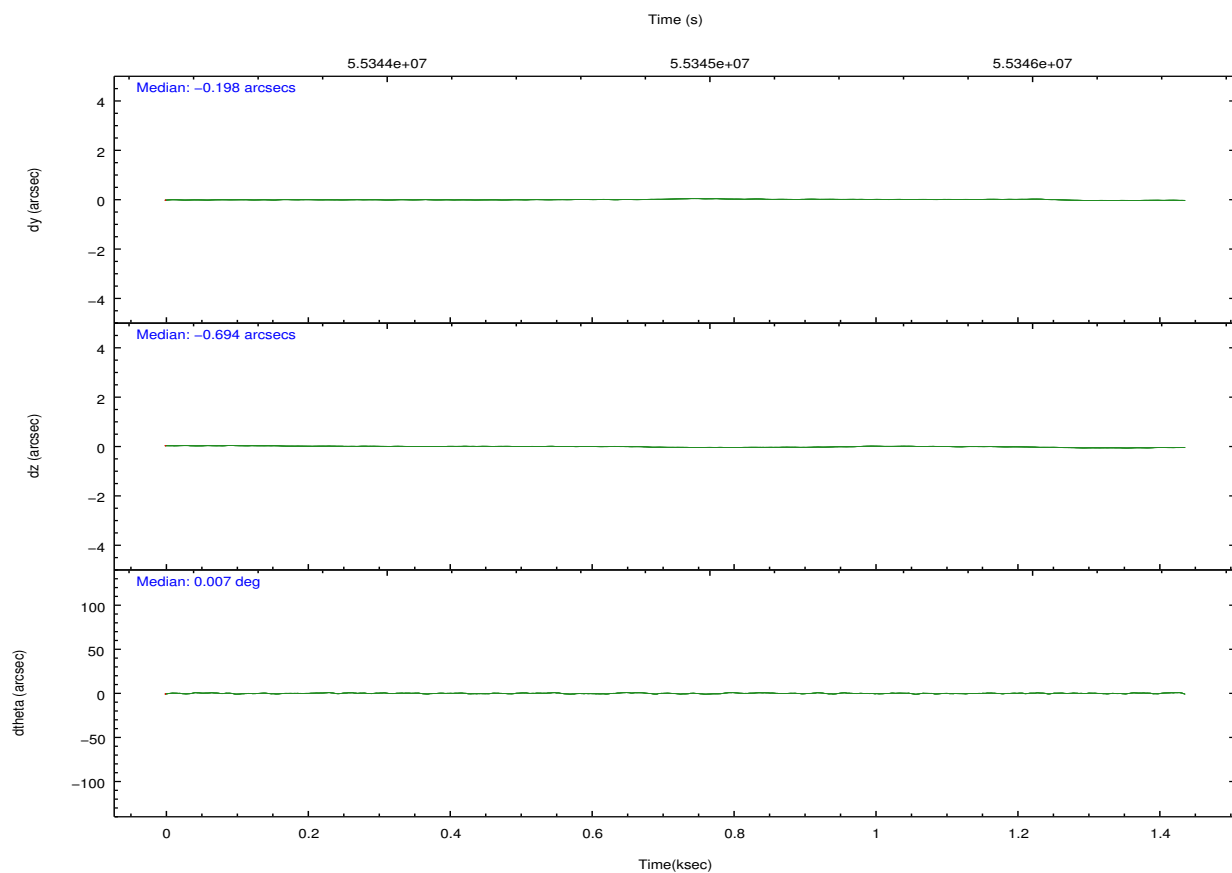
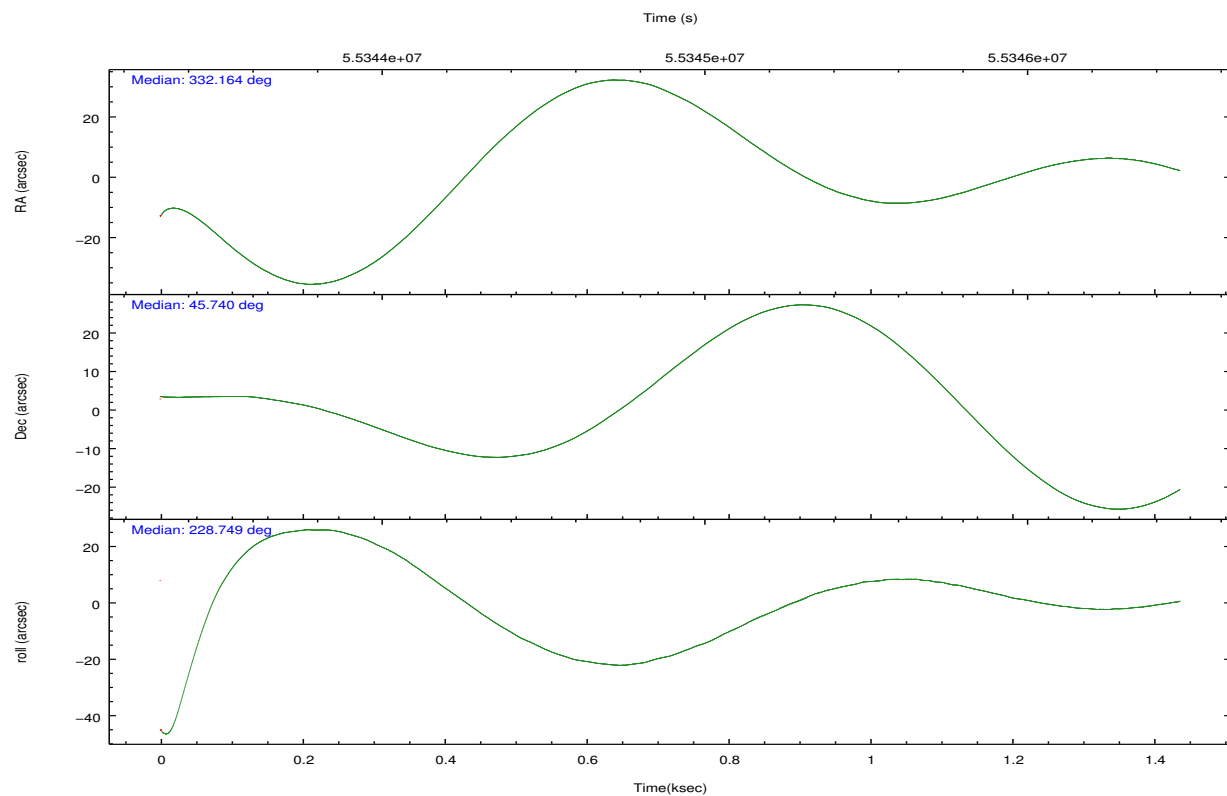
	<b>segment 0</b>
level 1 events	63768
rejected events	2635
rejected %	4%

## 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	332.171433	332.1626777210833			
Pointing Dec	45.767160	45.73970032548897			
Pointing Roll	228.838831	228.7491676575234			
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	55344664.184000	55343426.393693			
Observation start date	1999-10-03T13:30:00	1999-10-03T13:10:26			
Observation end time	55345664.184000	55345797.731279			
Observation end date	1999-10-03T13:46:40	1999-10-03T13:49:57			

## 2.3 Aspect





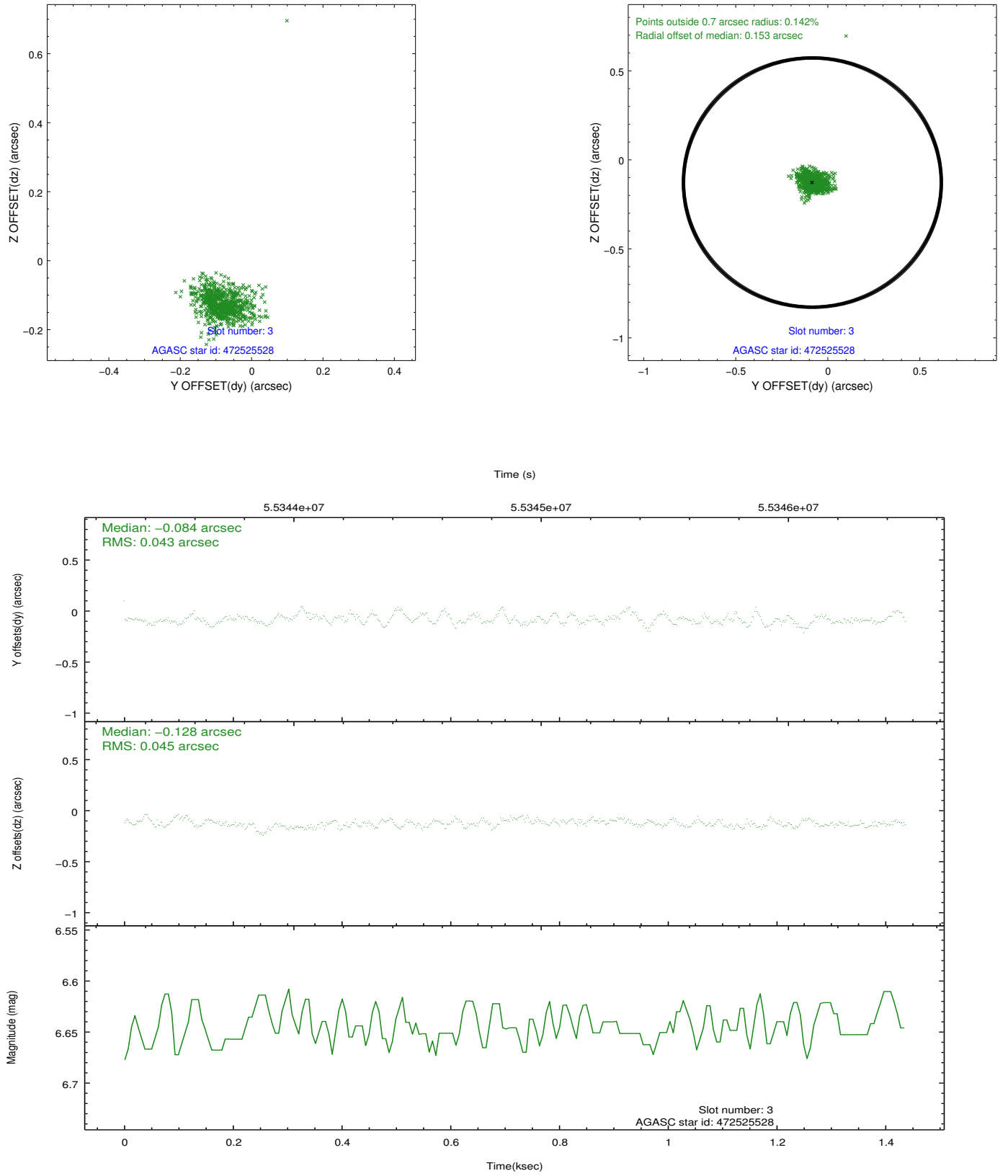
Slot Statistics

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	702	0.031	0.004	0.005	0.009	0.000000	0.000000	-755.19	-1287.11
1	FID	HRC-I-3	7.02	702	0.067	-0.063	0.006	0.011	0.000000	0.000000	-1184.82	1015.73
2	FID	HRC-I-4	6.96	702	0.017	-0.030	0.005	0.009	0.000000	0.000000	1285.99	1016.73
3	GUIDE	472525528	6.65	702	-0.084	-0.128	0.056	0.098	331.551102	45.248694	2433.21	39.88
4	GUIDE	472523760	8.24	702	0.053	0.134	0.054	0.086	331.645363	45.403260	1859.54	-142.31
5	GUIDE	472665256	9.00	701	0.010	-0.053	0.060	0.097	332.808125	46.195041	-2208.18	175.43
6	GUIDE	472659832	9.46	702	0.004	0.030	0.086	0.128	332.780399	46.098139	-1907.26	355.95
7	GUIDE	472655152	9.43	701	0.007	0.003	0.088	0.142	332.504239	45.862991	-815.01	399.68

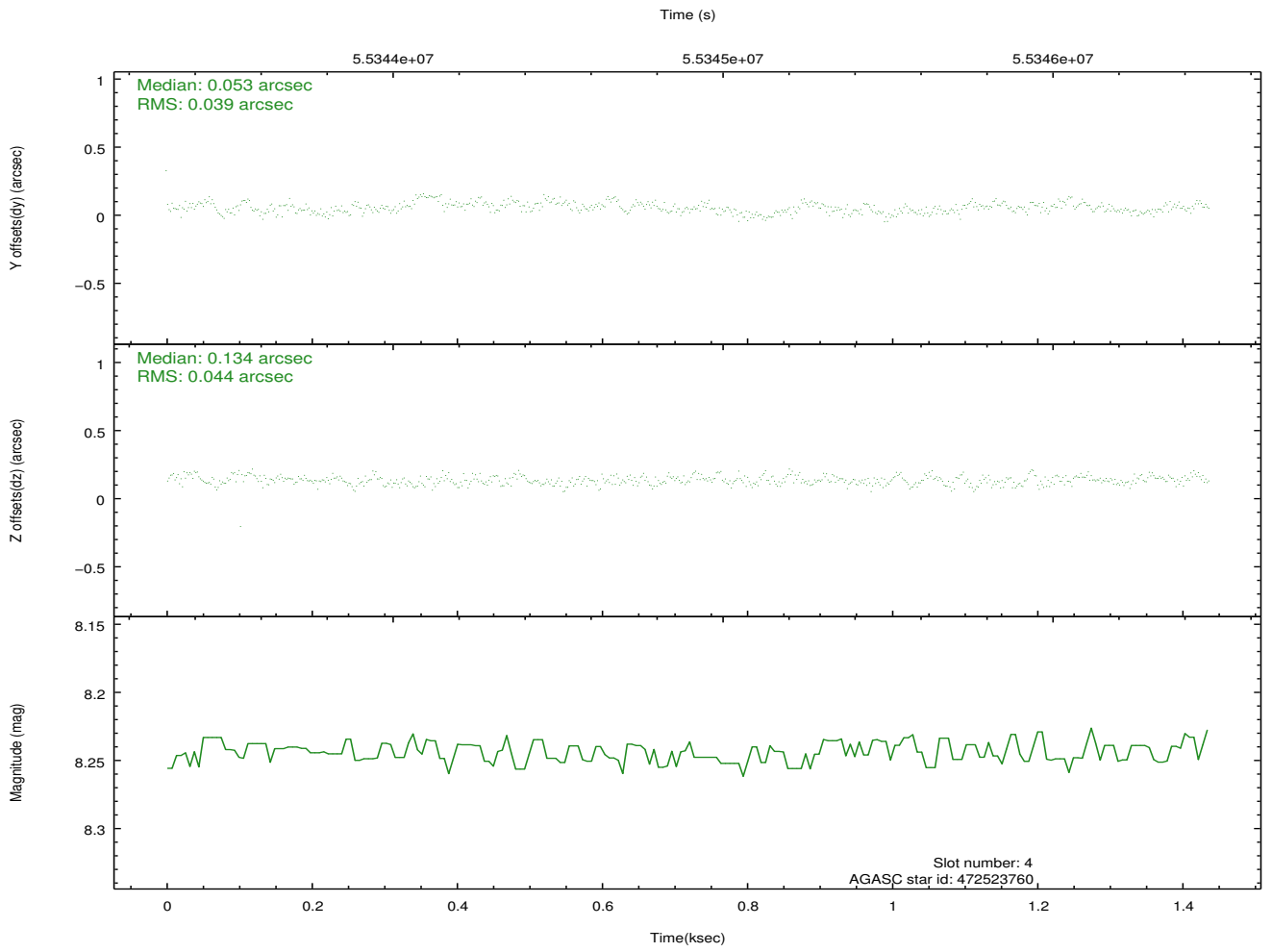
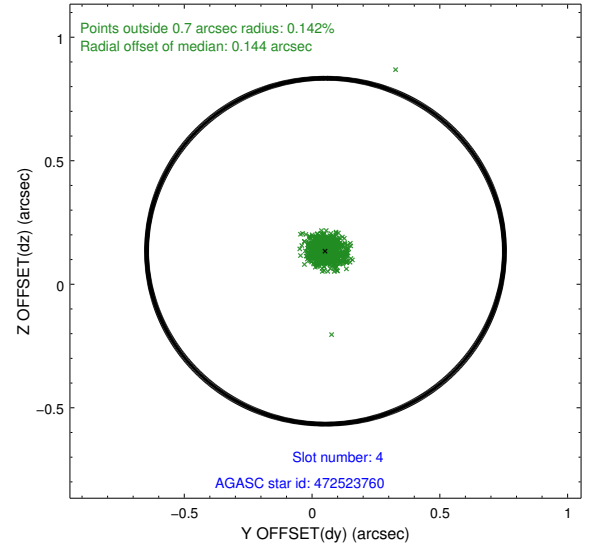
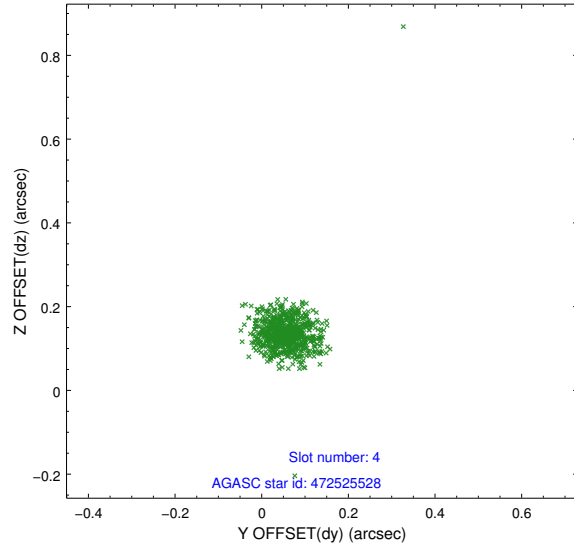


## 2.4 Star Slots

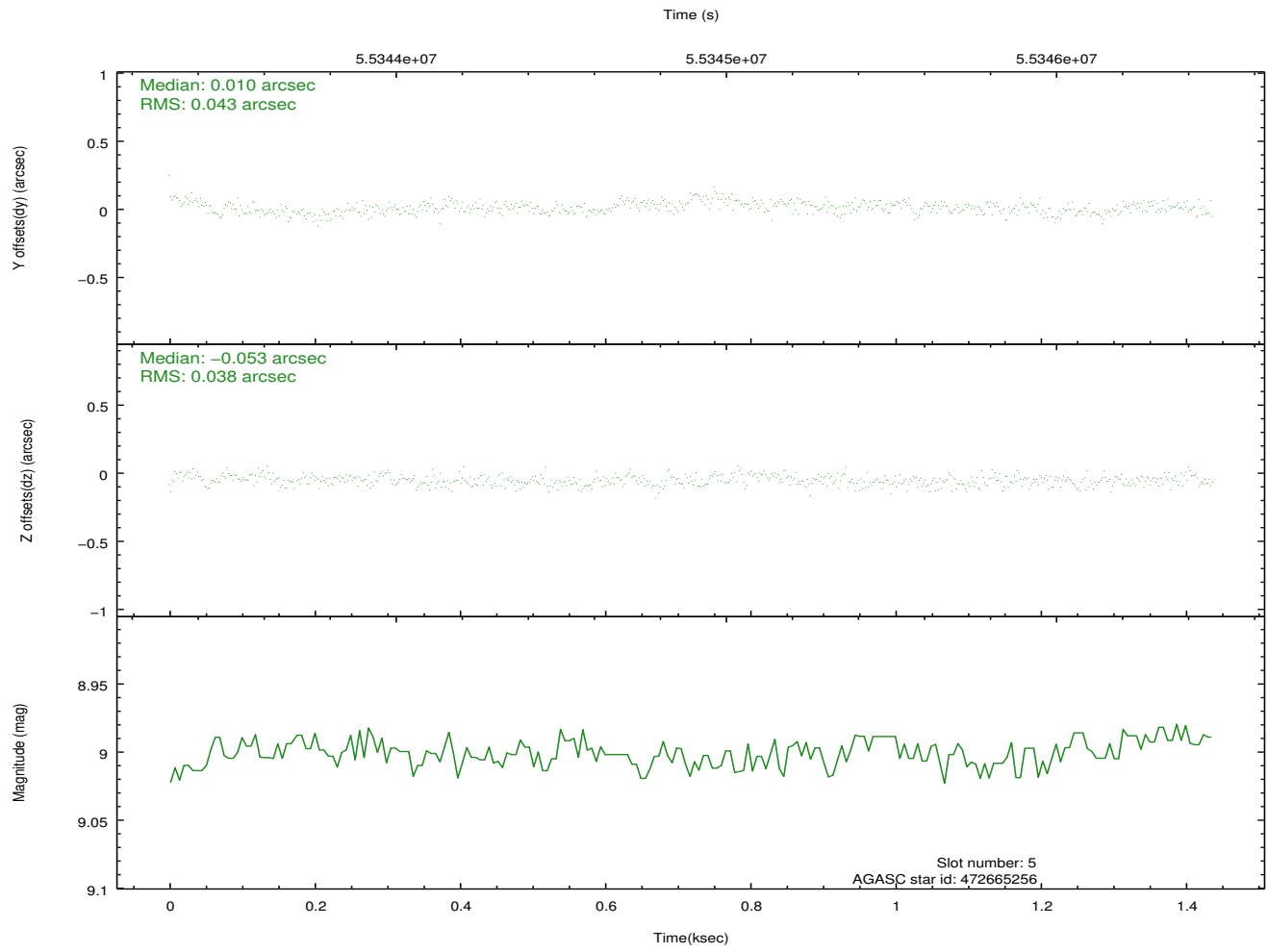
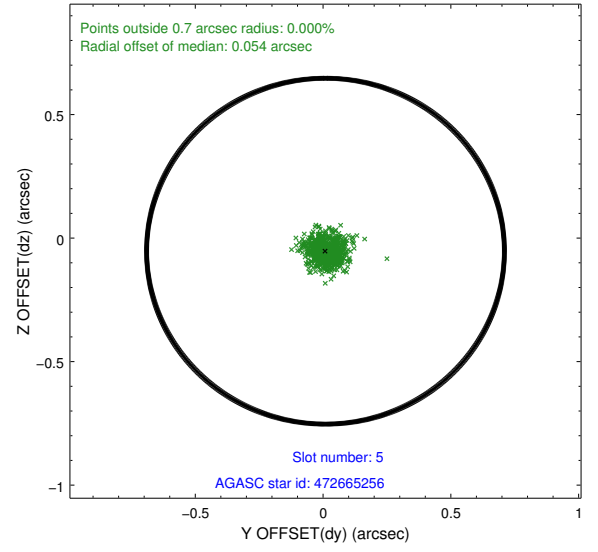
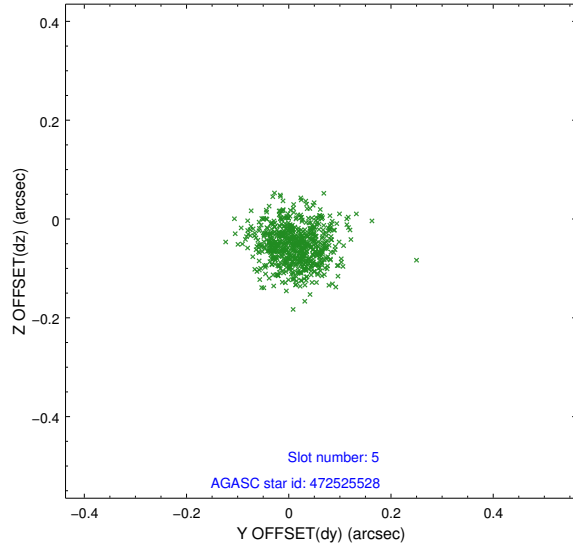
### 2.4.1 Slot 3



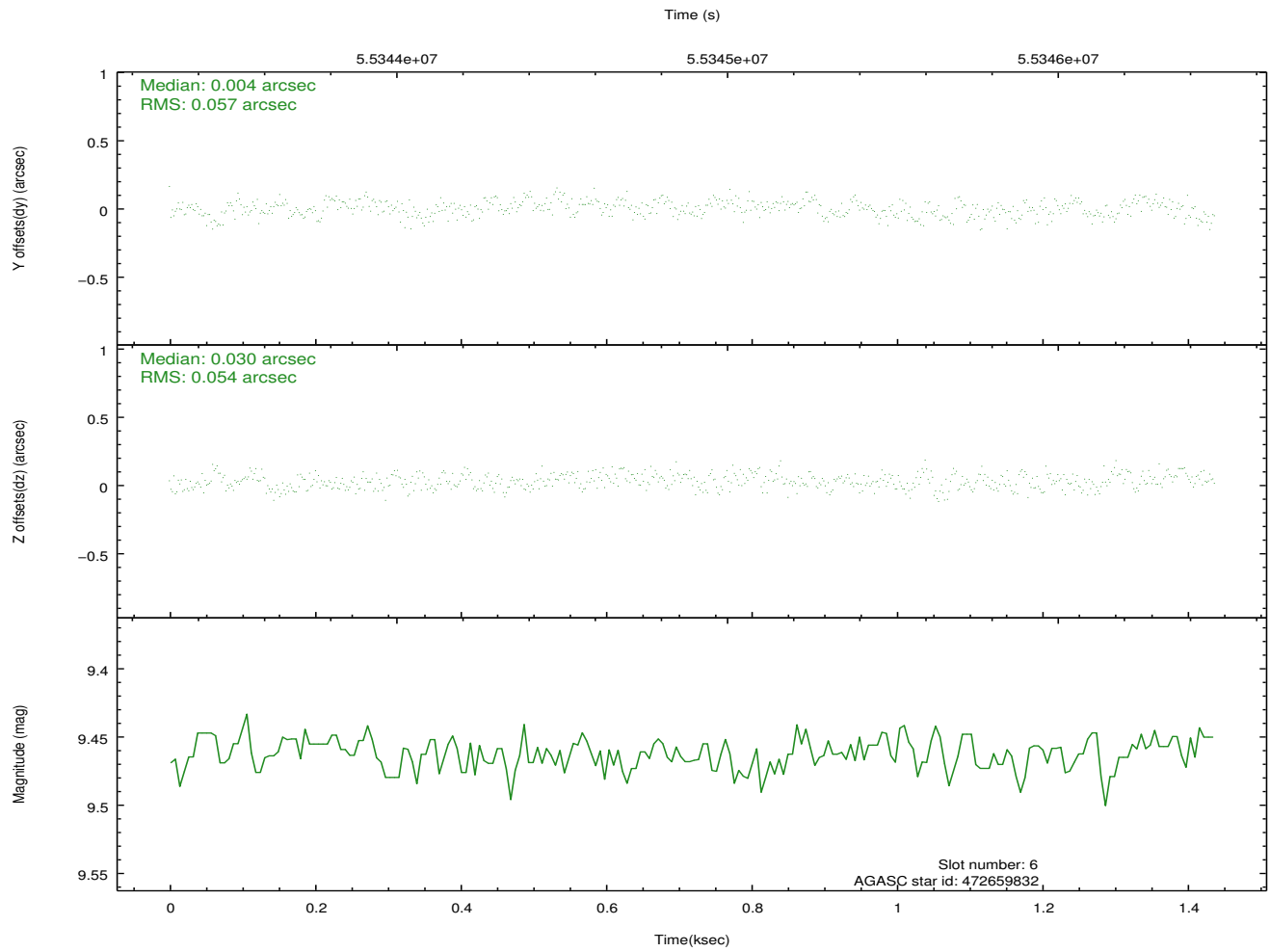
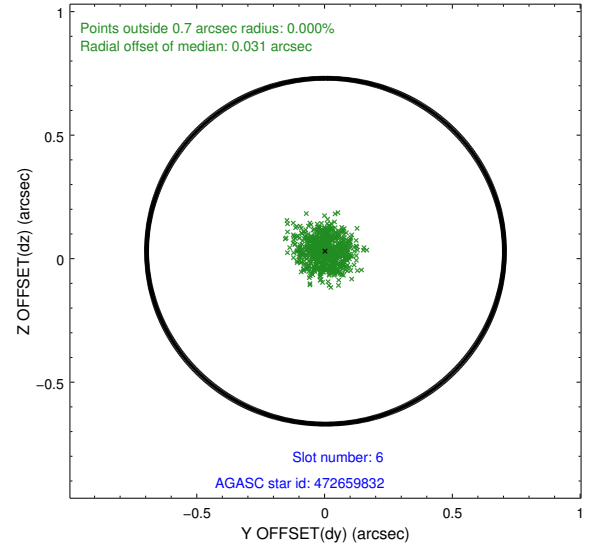
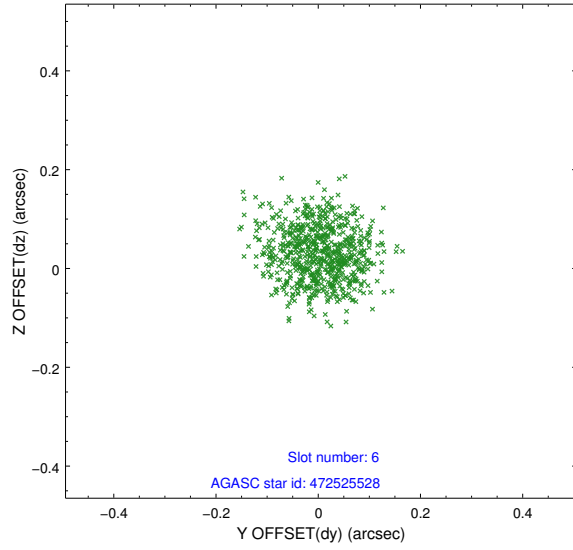
## 2.4.2 Slot 4



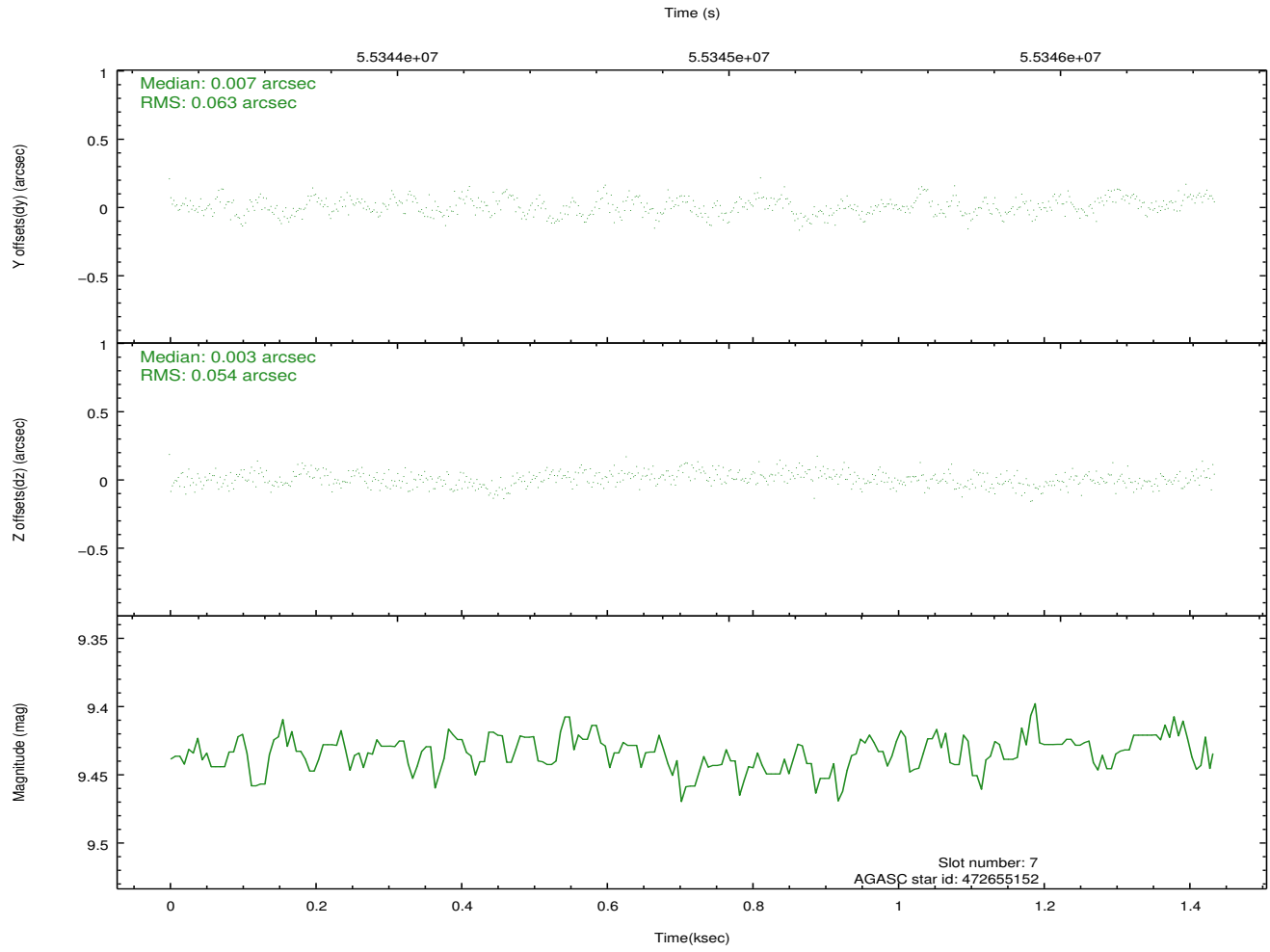
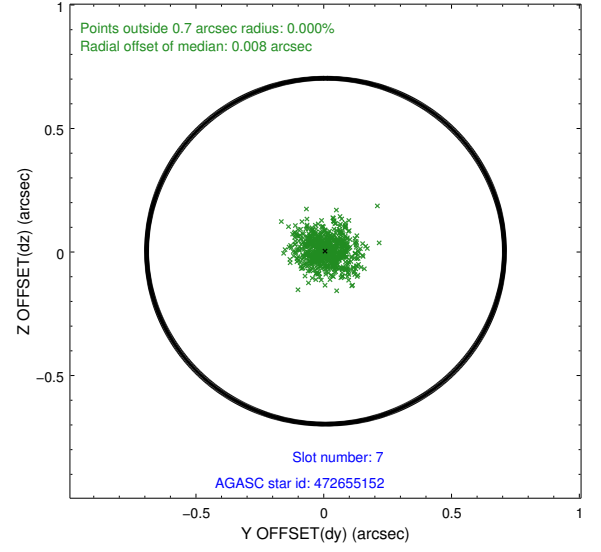
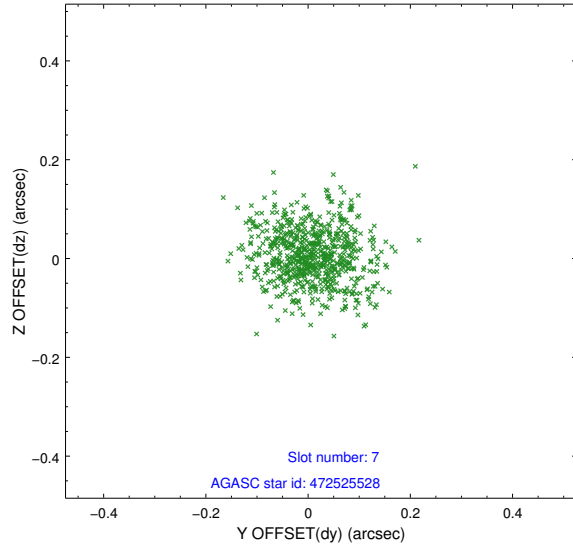
### 2.4.3 Slot 5



## 2.4.4 Slot 6

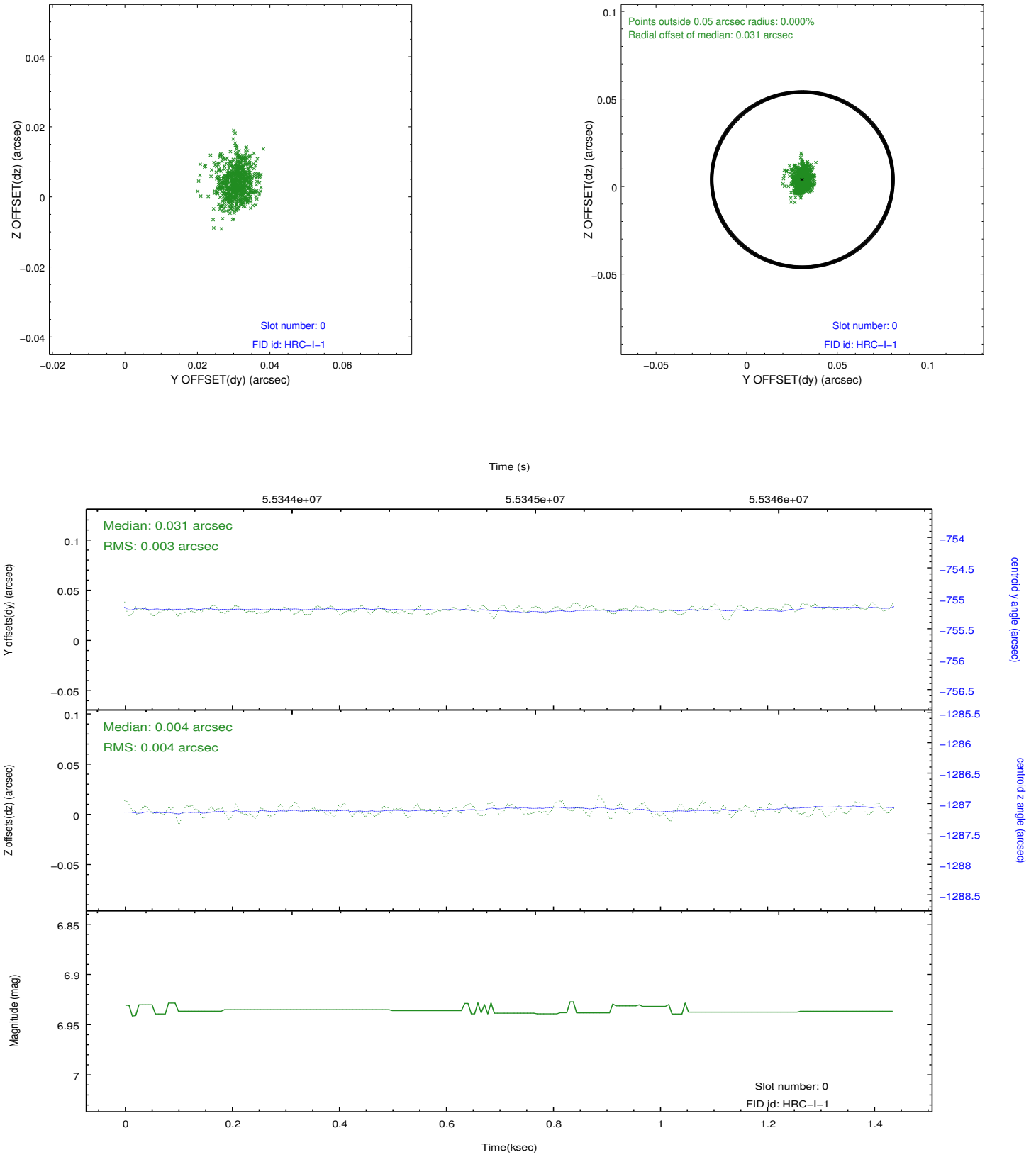


## 2.4.5 Slot 7

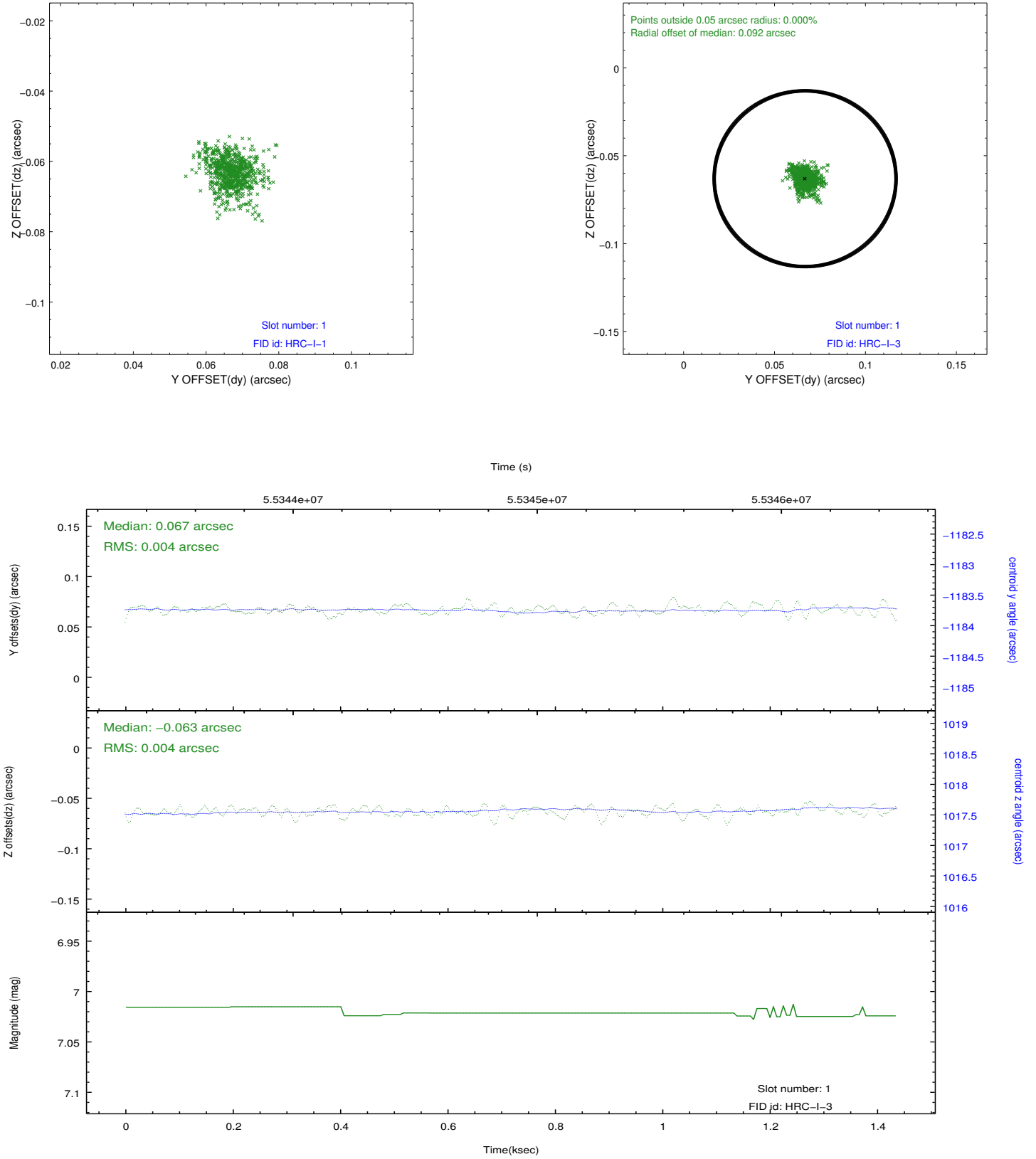


## 2.5 FID Slots

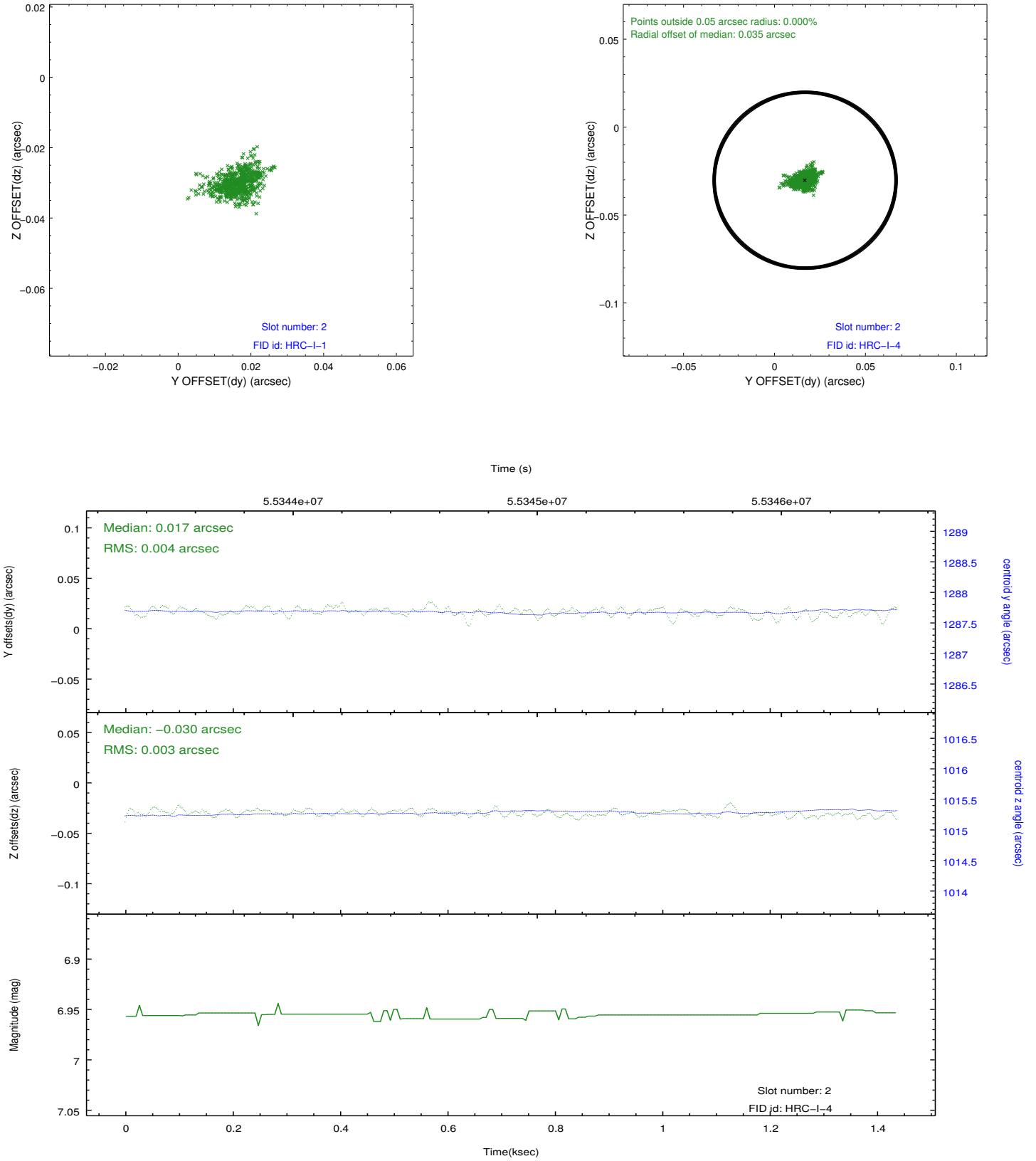
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.163

## A.2 Comments

AR Lac observation to study HRC-I spatial dependence on HV. Source slightly off-axis.