

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 1491 - L2 Version 5

Chandra X-Ray Center

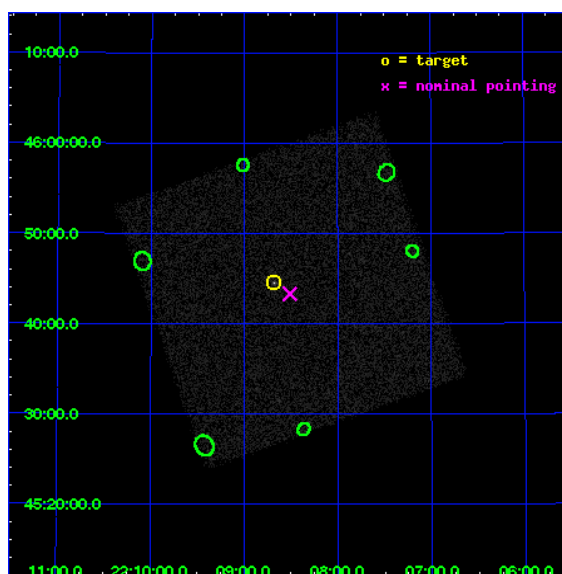
L2 Processing Date : Nov 25 2009

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# 1 Front

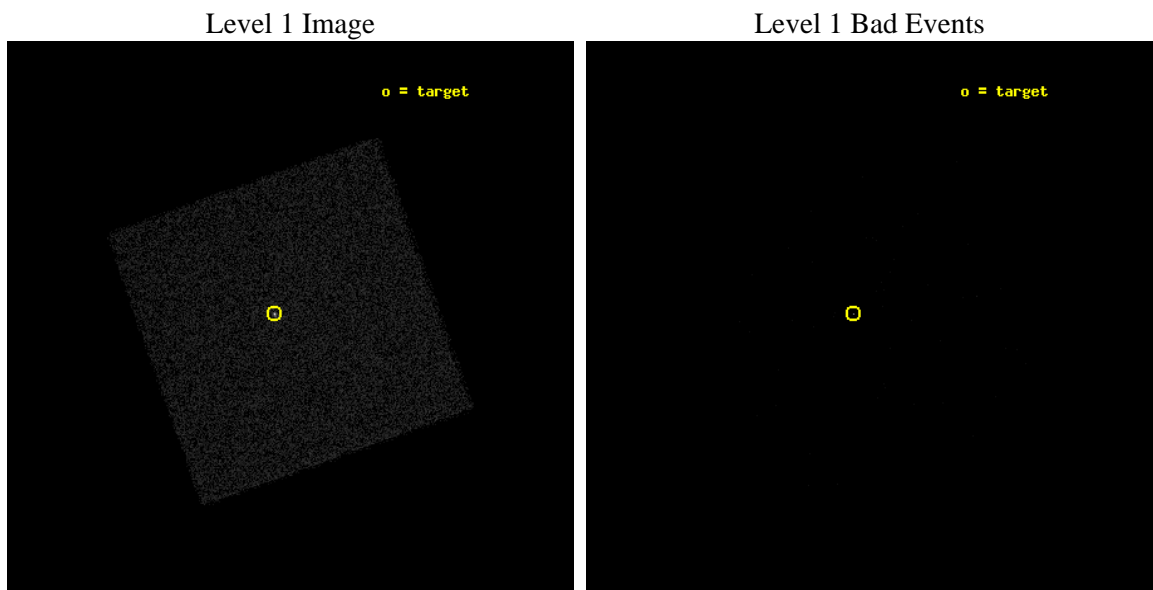
seq_num	280441	Sequence number
obs_id	1491	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.12797064771	Nominal RA
dec_nom	45.722271048122	Nominal Dec
roll_nom	295.44867842092	Nominal Roll
revision	5	Processing version of data
ontime	1213.8562939391	[s]
livetime	1205.9900367187	Ontime multiplied by DTCOR
l2events	41001	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	1213.8562939391	[s]
caldbver	4.1.4	&#160	l1events	62748	Number of level 1 events
date	2009-11-25T11:30:42	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

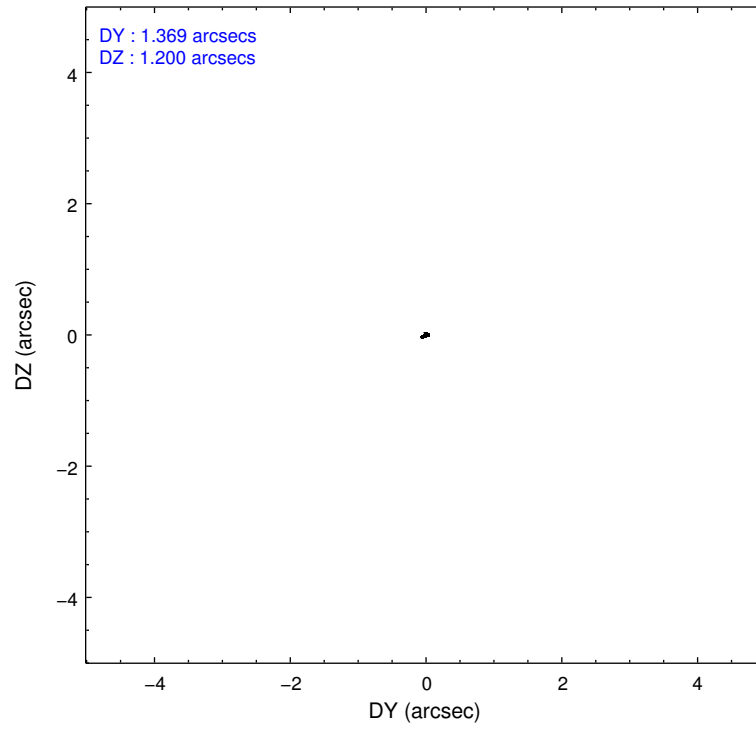
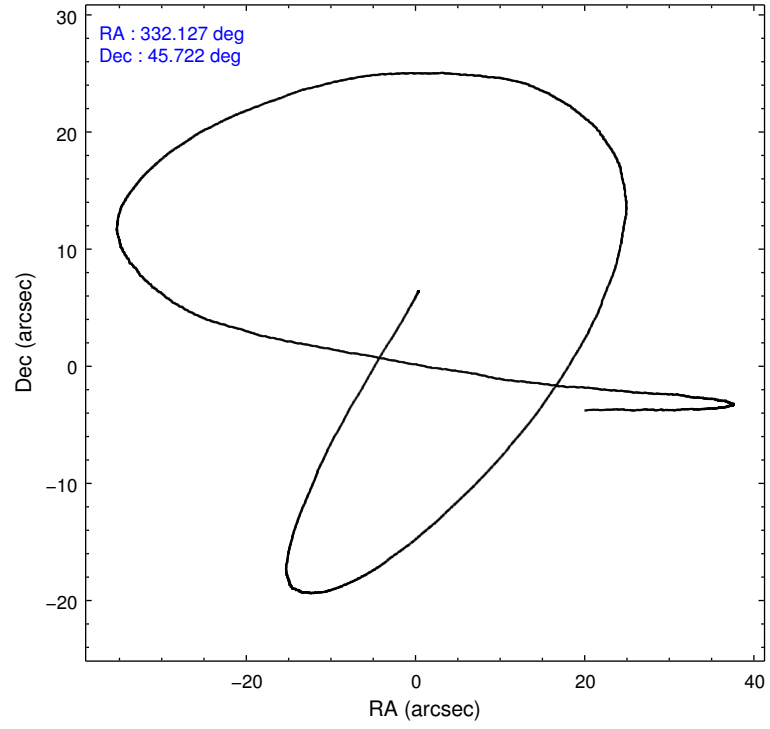
	<b>segment 0</b>
level 1 events	62748
rejected events	2562
rejected %	4%

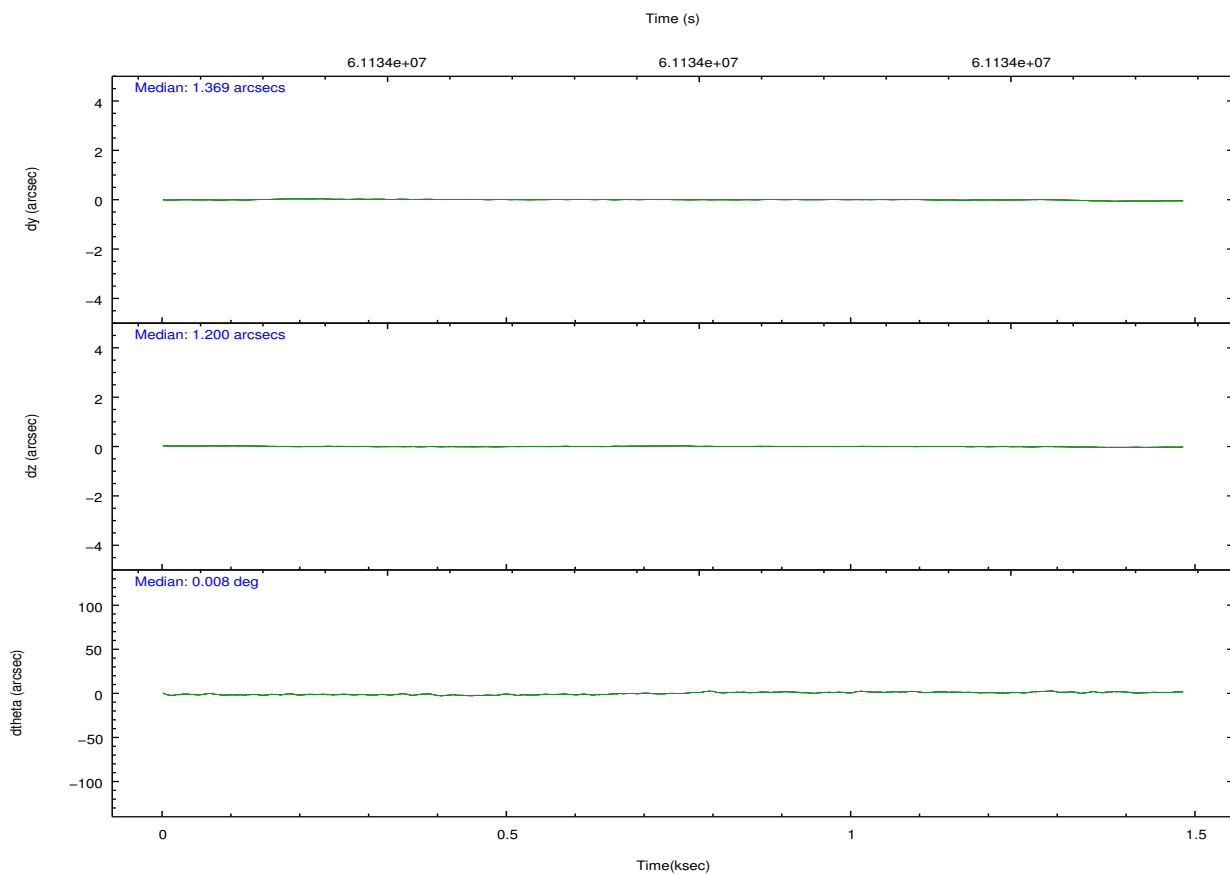
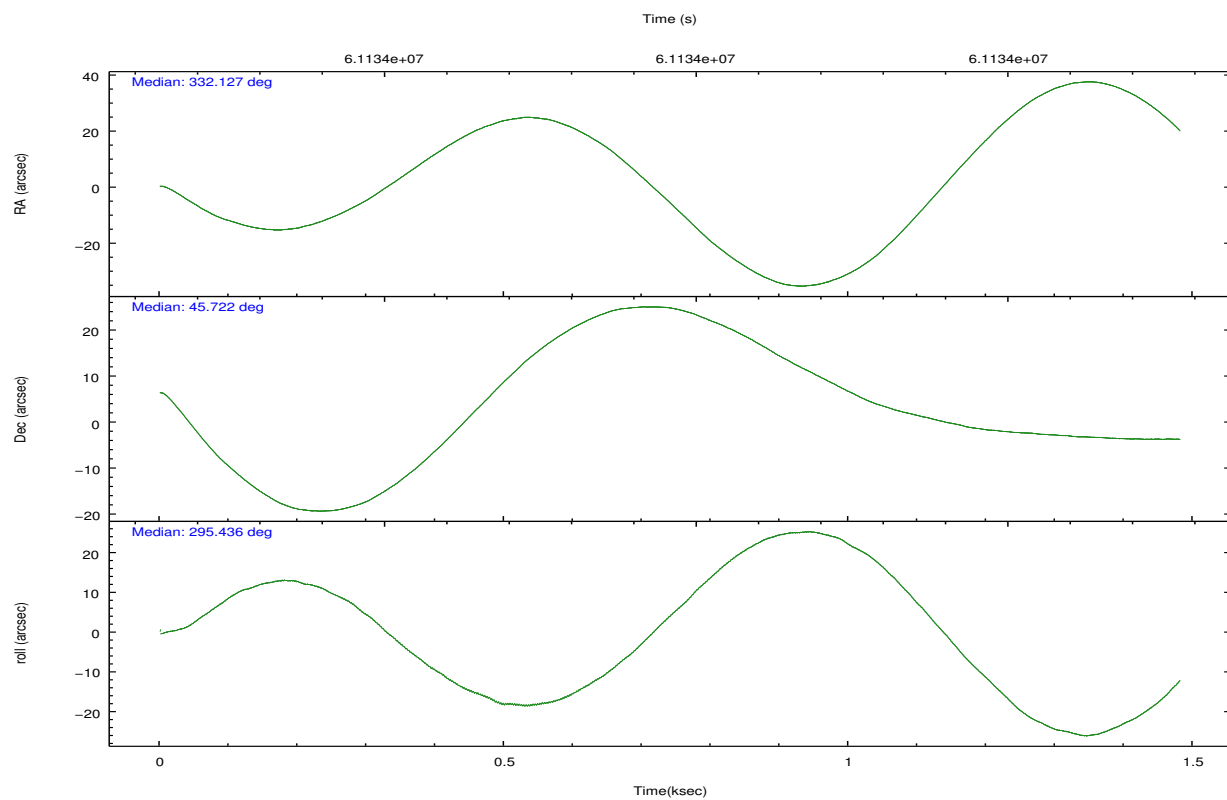
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	332.094804	332.1279706477121
Pointing Dec	45.738622	45.72227104812211
Pointing Roll	295.567931	295.4486784209186
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	61133699.184000	61133033.52766
Observation start date	1999-12-09T13:33:55	1999-12-09T13:23:53
Observation end time	61134699.184000	61134832.915225
Observation end date	1999-12-09T13:50:35	1999-12-09T13:53:52

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





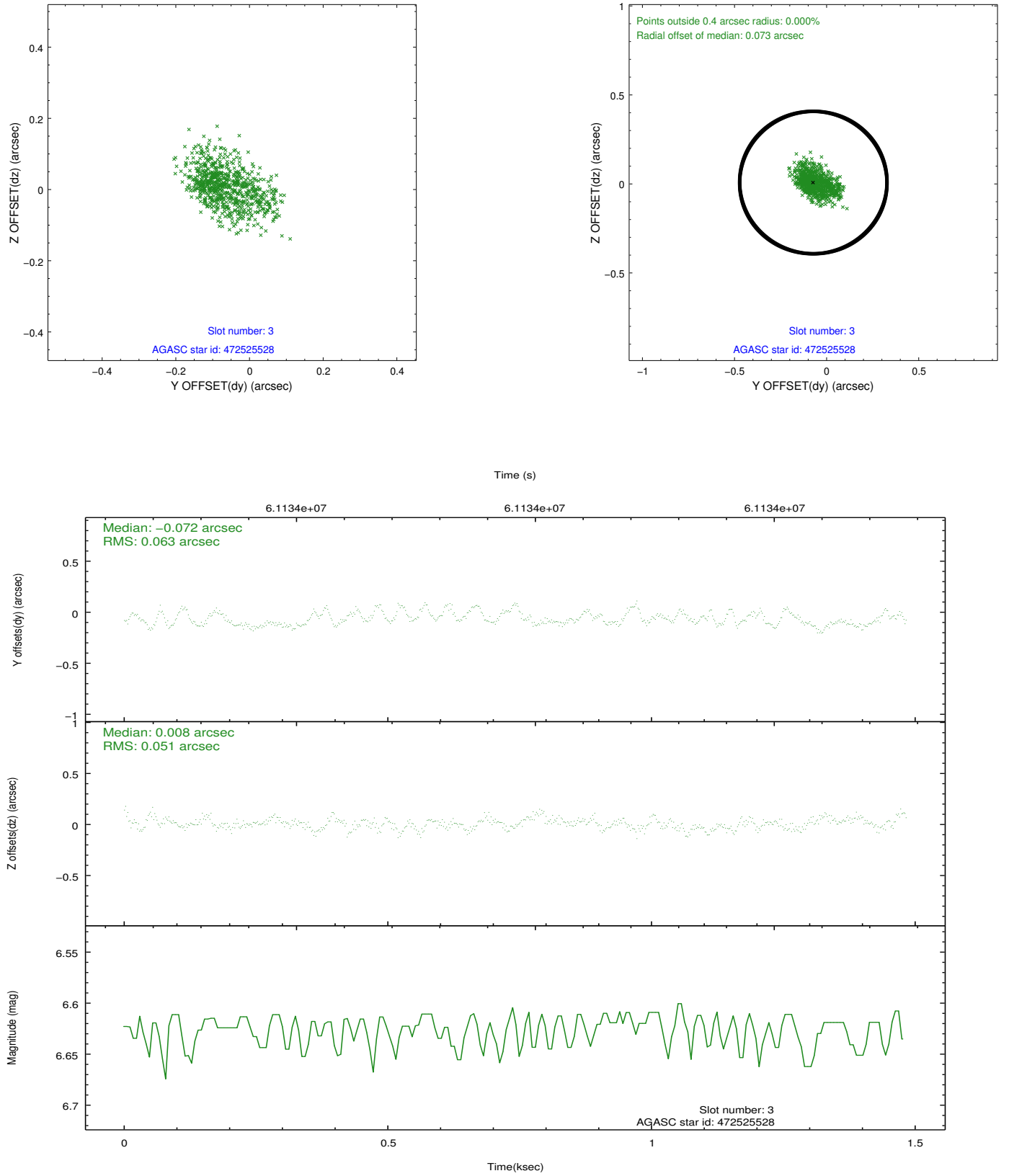
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	724	0.015	-0.045	0.030	0.037	0.000000	0.000000	-756.78	-1288.97
1	FID	HRC-I-3	7.05	724	0.047	-0.044	0.016	0.021	0.000000	0.000000	-1186.29	1013.80
2	FID	HRC-I-4	6.99	724	0.052	-0.009	0.012	0.017	0.000000	0.000000	1284.40	1014.64
3	GUIDE	472525528	6.62	724	-0.072	0.008	0.085	0.141	331.551102	45.248694	989.38	-2001.94
4	GUIDE	472523760	8.23	724	-0.047	-0.120	0.063	0.107	331.645363	45.403260	594.48	-1547.08
5	GUIDE	472665256	9.03	724	-0.083	-0.032	0.084	0.134	332.808125	46.195041	-725.18	2313.82
6	GUIDE	472659832	9.47	722	0.039	0.086	0.102	0.168	332.780399	46.098139	-440.08	2108.95
7	GUIDE	472655704	9.47	723	0.150	0.055	0.094	0.151	332.167195	45.285228	1547.99	-535.56

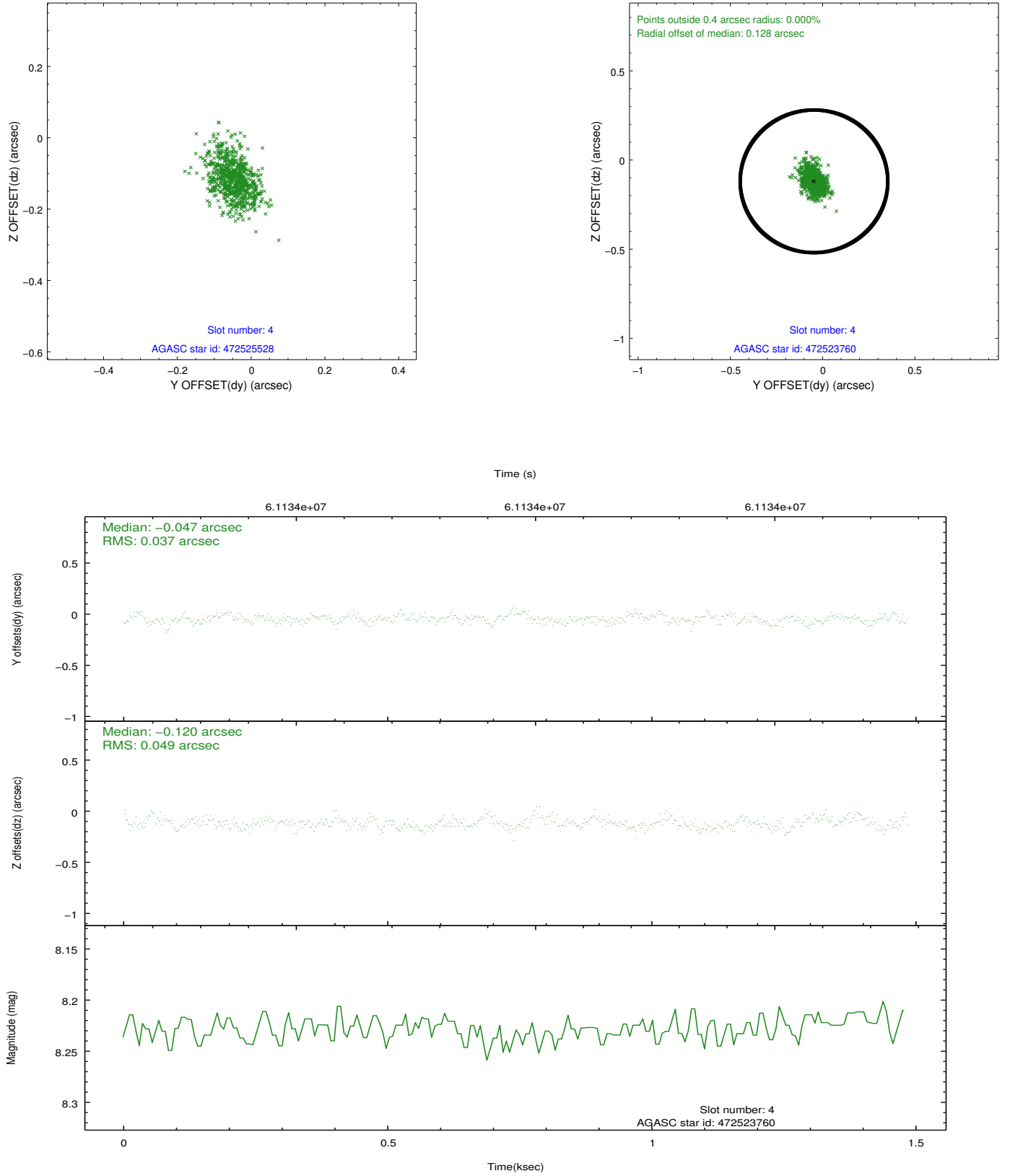


## 2.4 Star Slots

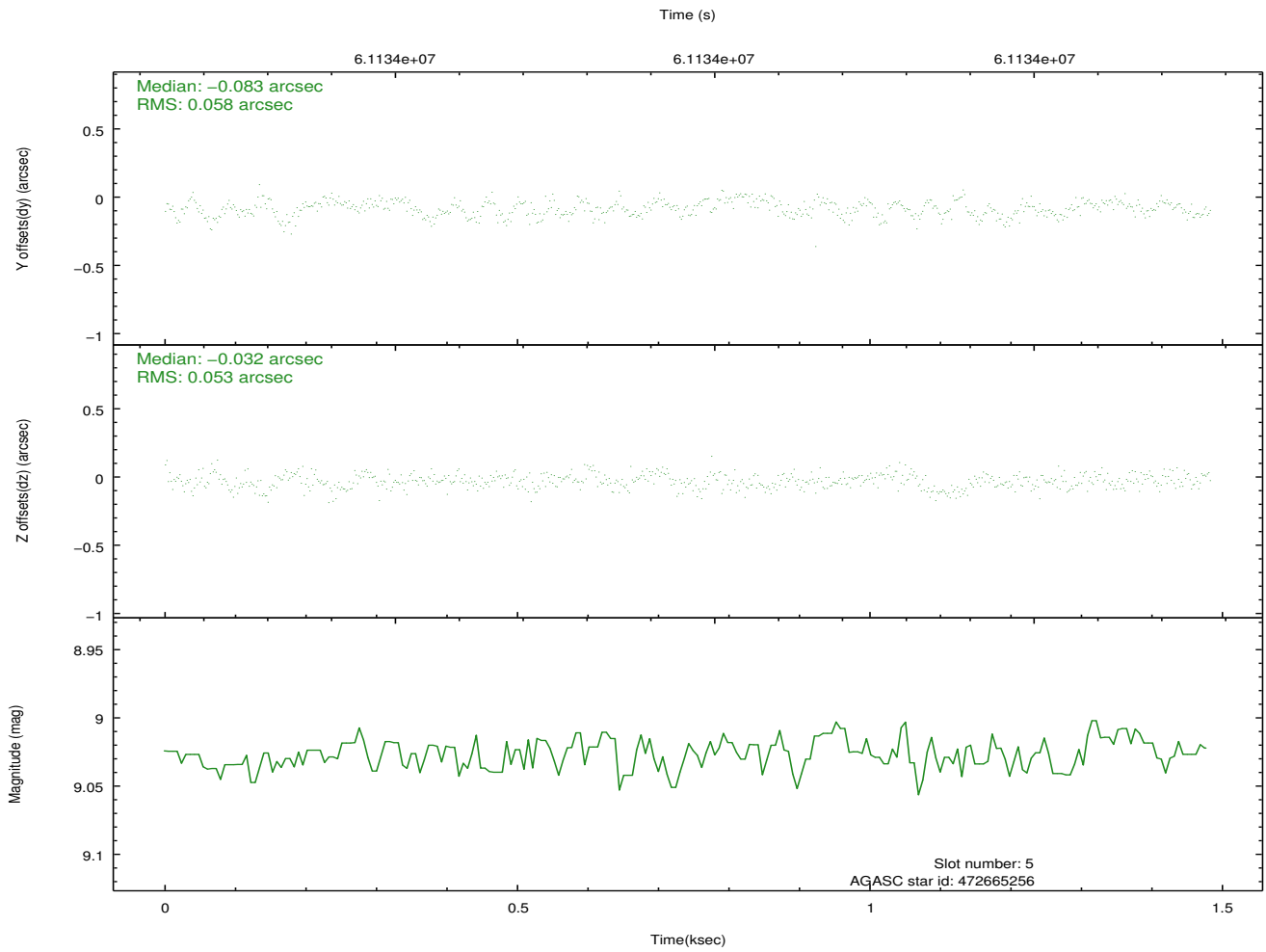
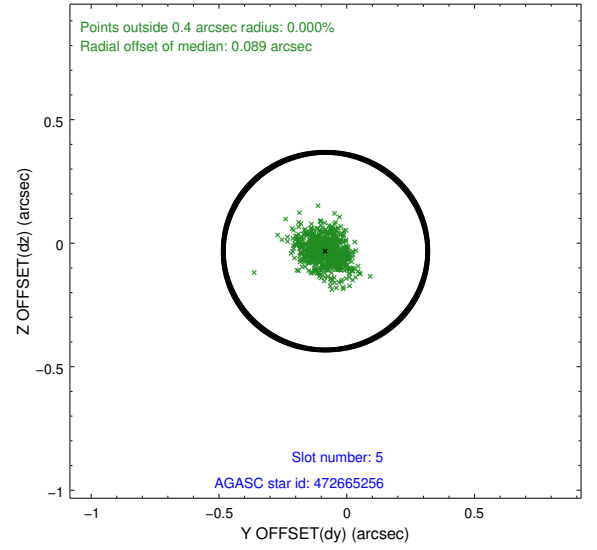
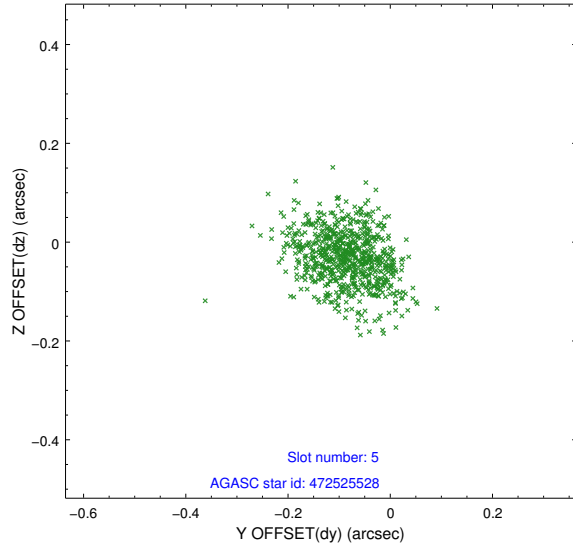
### 2.4.1 Slot 3



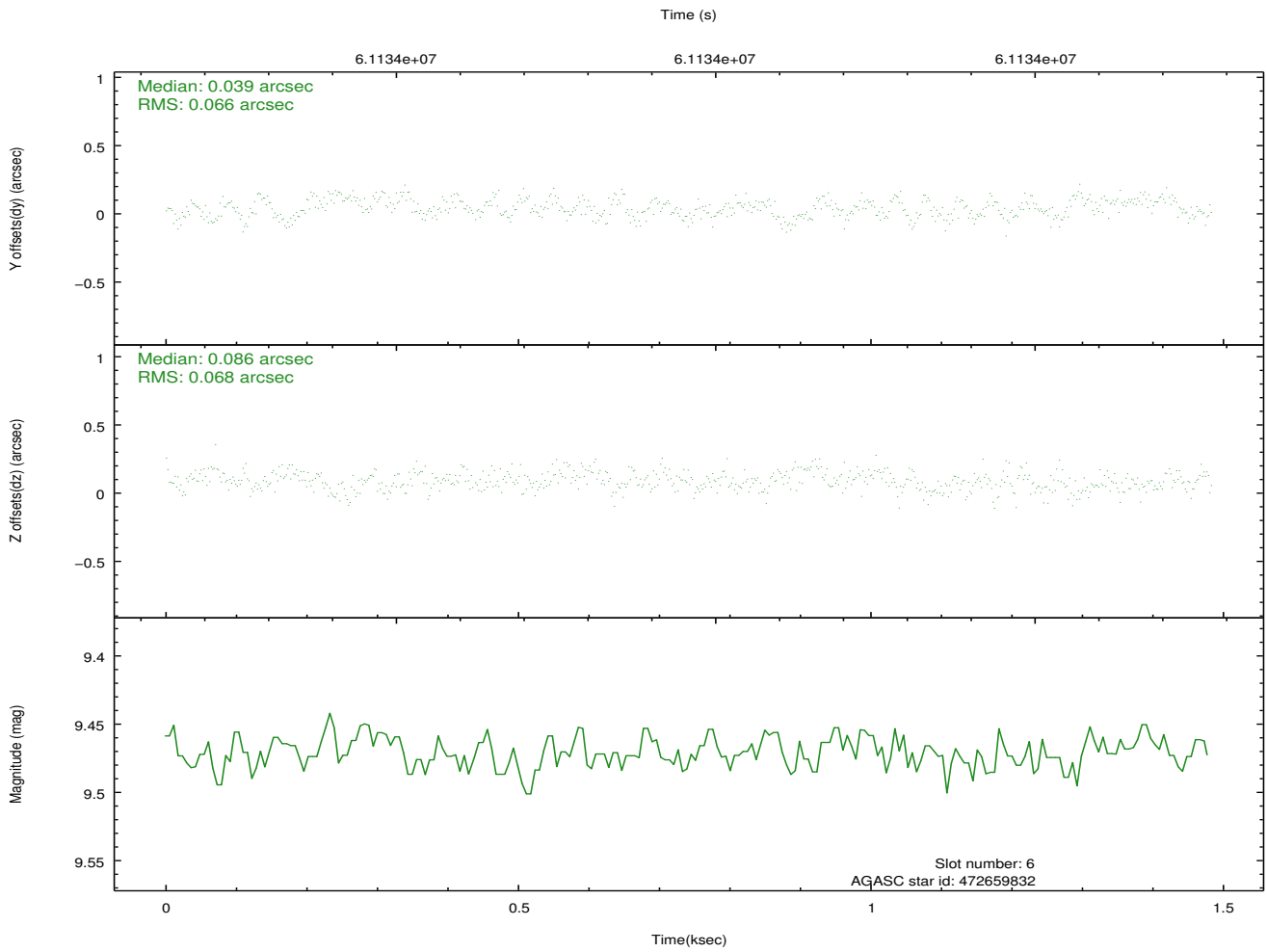
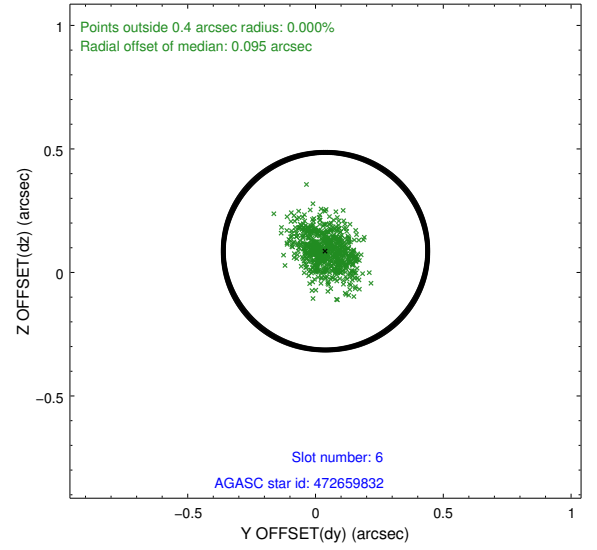
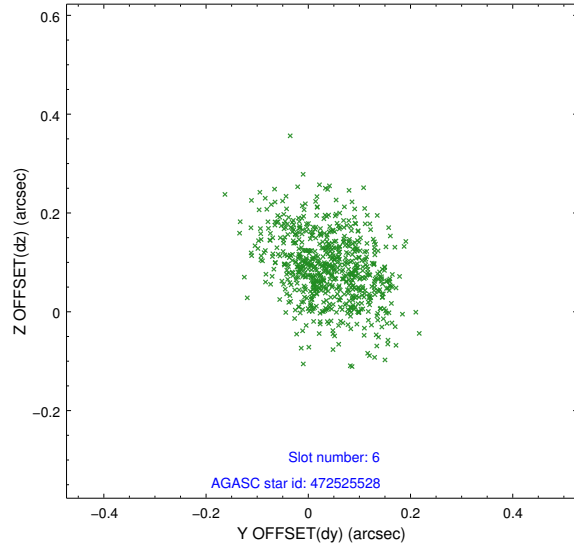
## 2.4.2 Slot 4



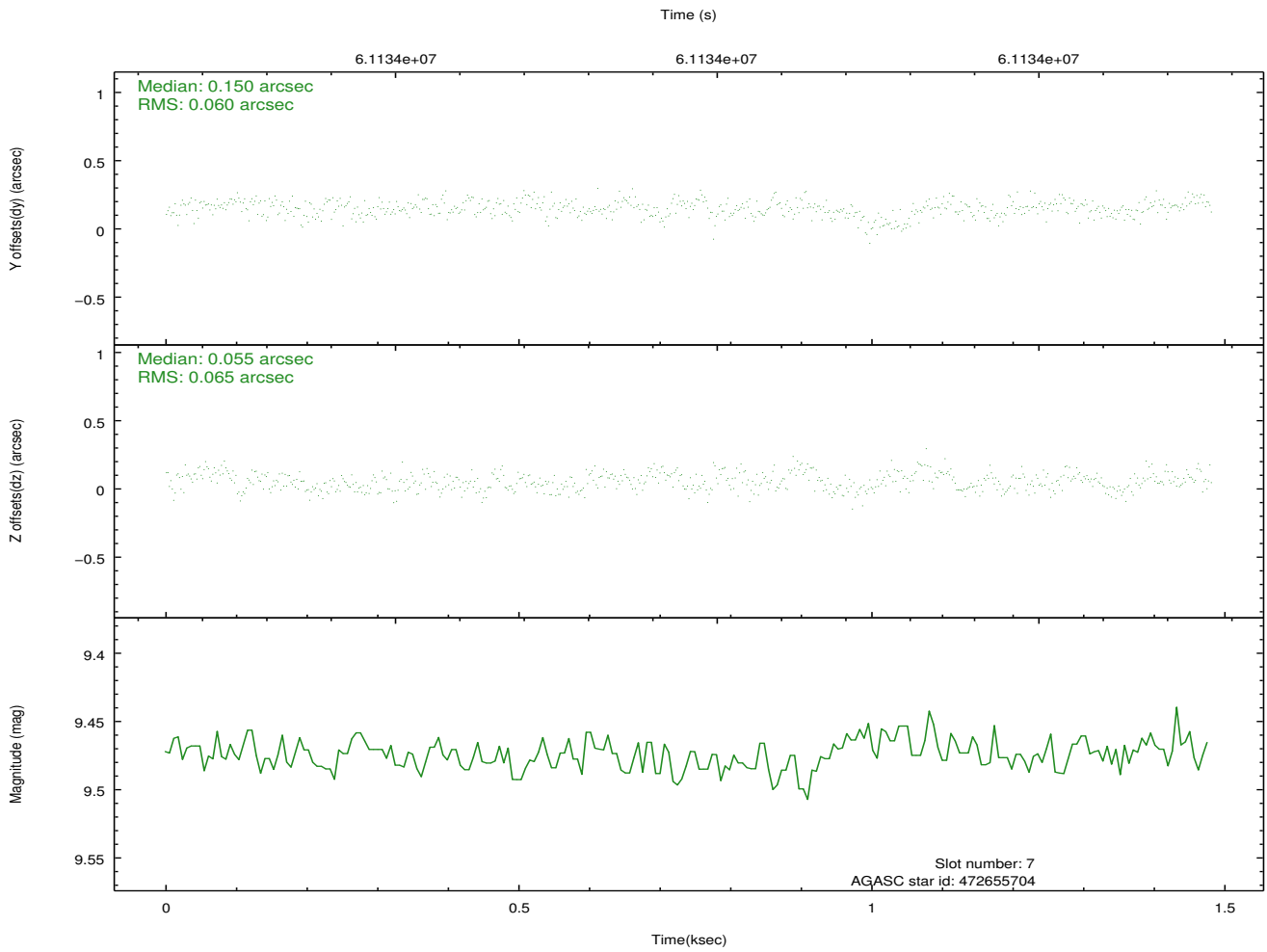
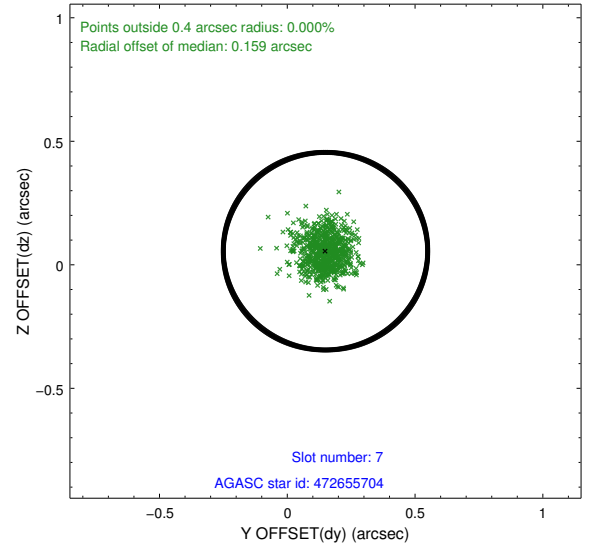
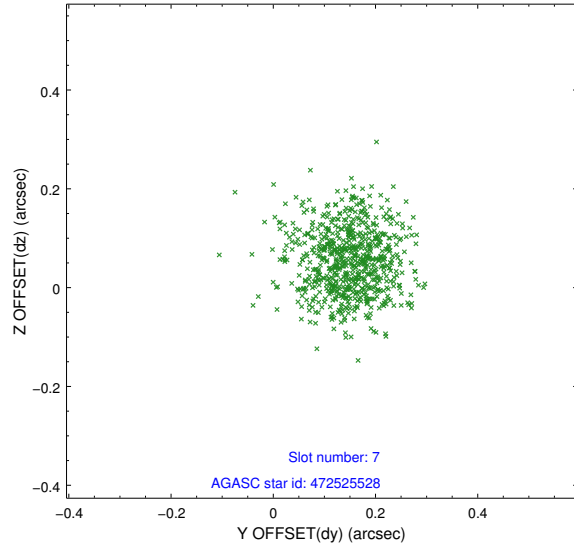
### 2.4.3 Slot 5



## 2.4.4 Slot 6

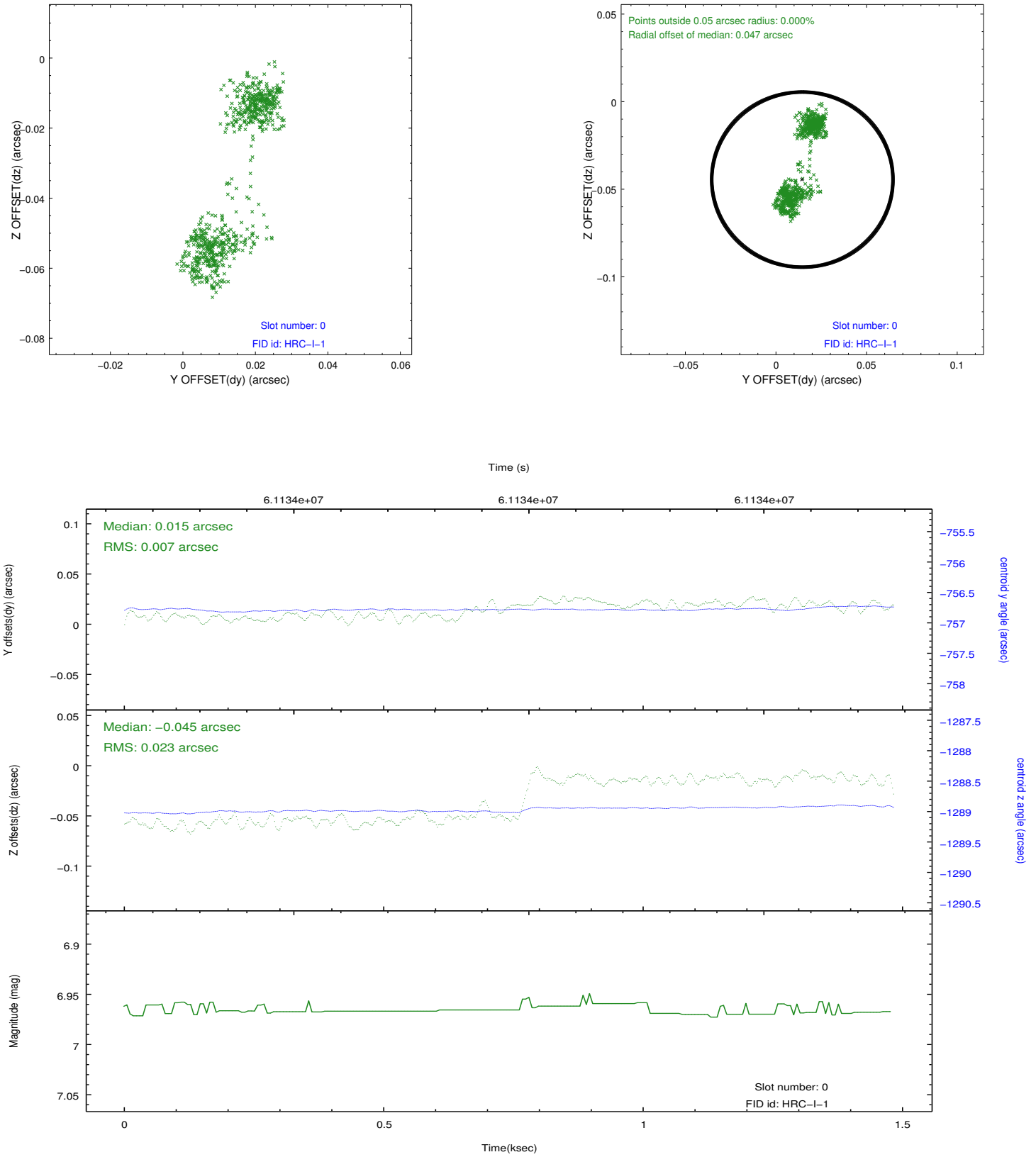


## 2.4.5 Slot 7

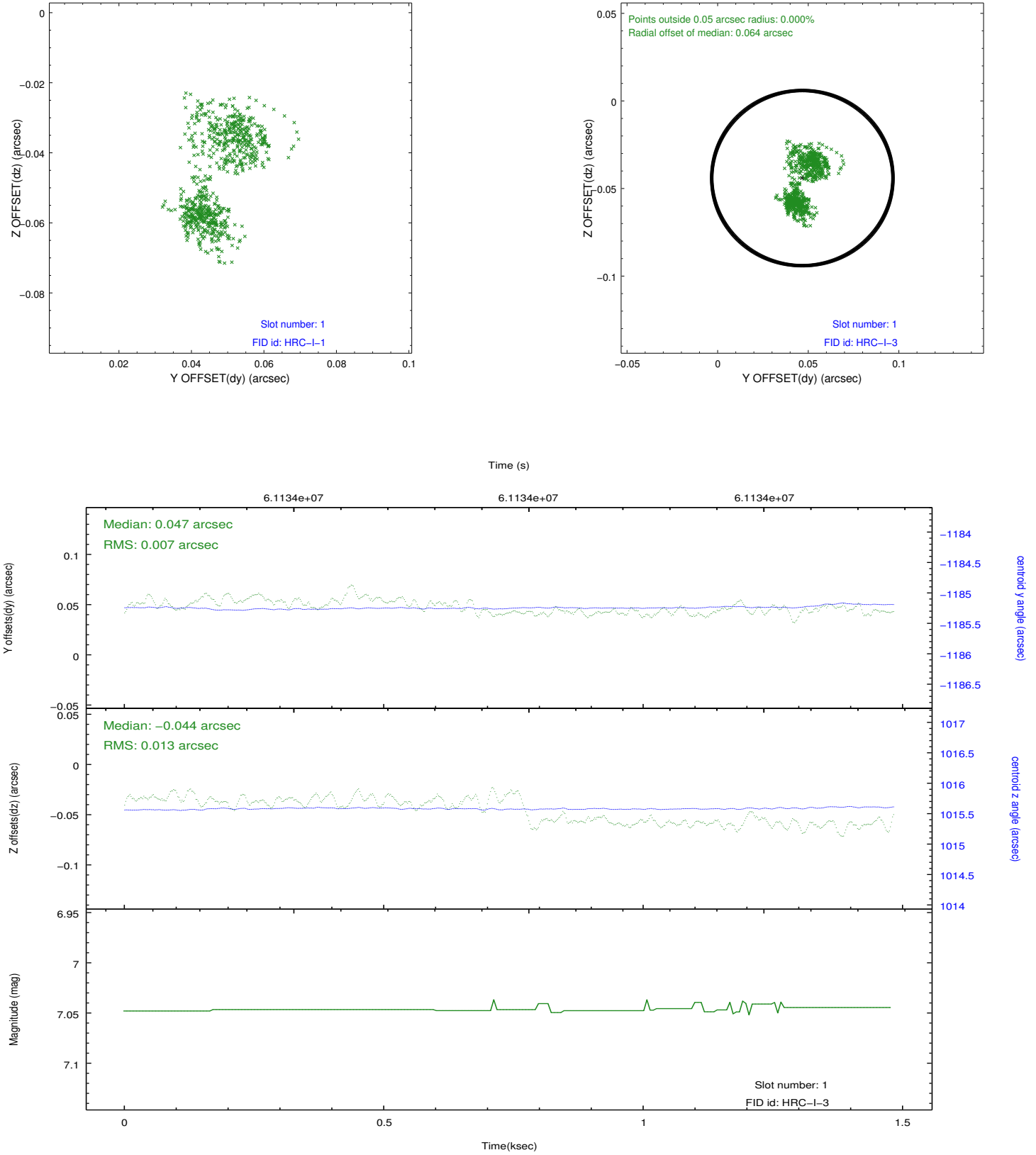


## 2.5 FID Slots

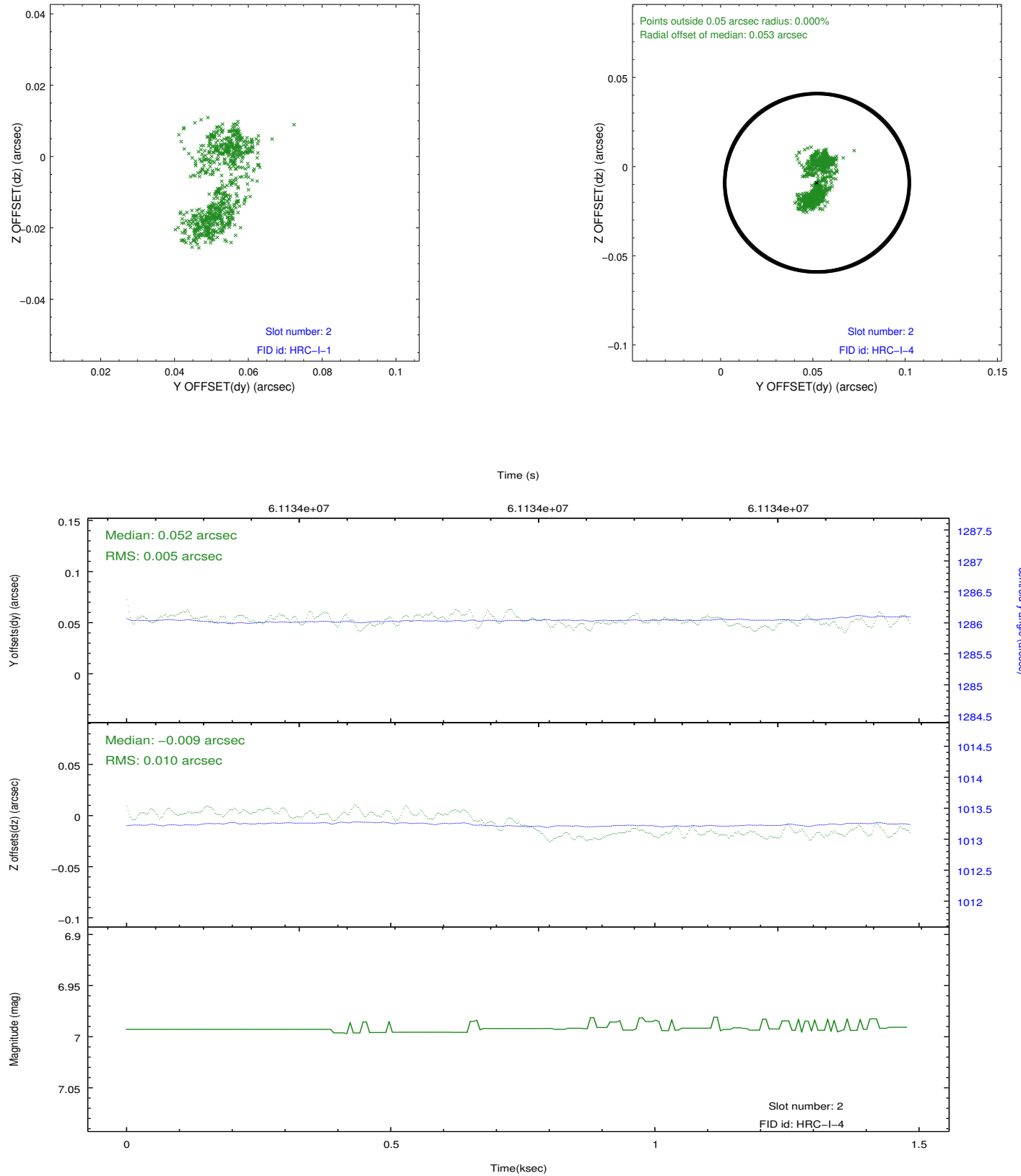
### 2.5.1 Slot 0



## 2.5.2 Slot 1

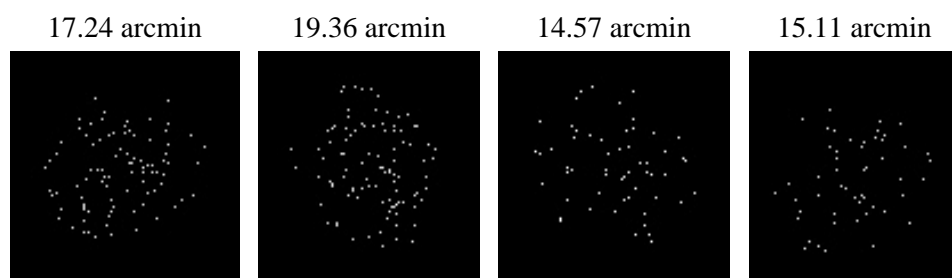


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	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