

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 1498 - L2 Version 5

Chandra X-Ray Center

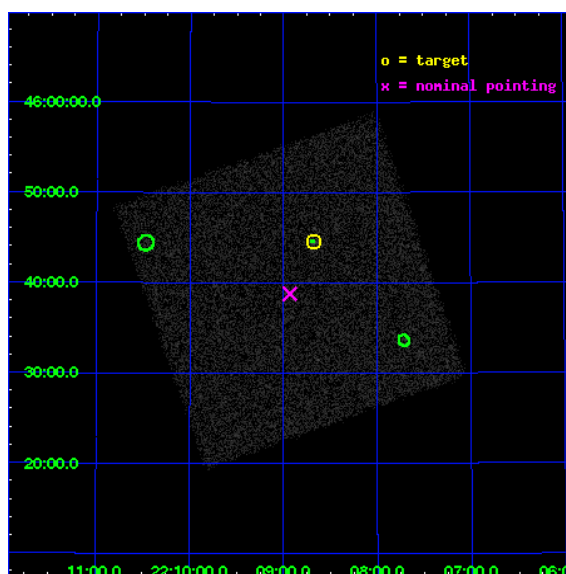
L2 Processing Date : Nov 25 2009

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# 1 Front

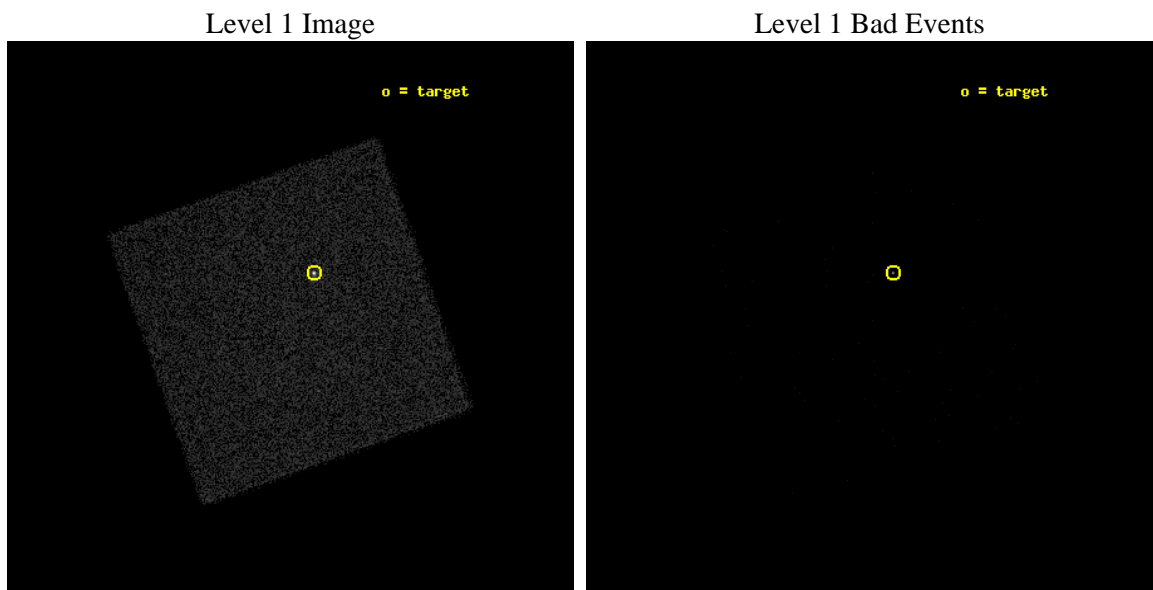
seq_num	280448	Sequence number
obs_id	1498	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.23299410398	Nominal RA
dec_nom	45.646450988859	Nominal Dec
roll_nom	295.50133588304	Nominal Roll
revision	5	Processing version of data
ontime	1212.8312938958	[s]
livetime	1205.0183515738	Ontime multiplied by DTCOR
l2events	40268	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	1212.8312938958	[s]
caldbver	4.1.4	&#160	l1events	61879	Number of level 1 events
date	2009-11-25T12:34:42	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

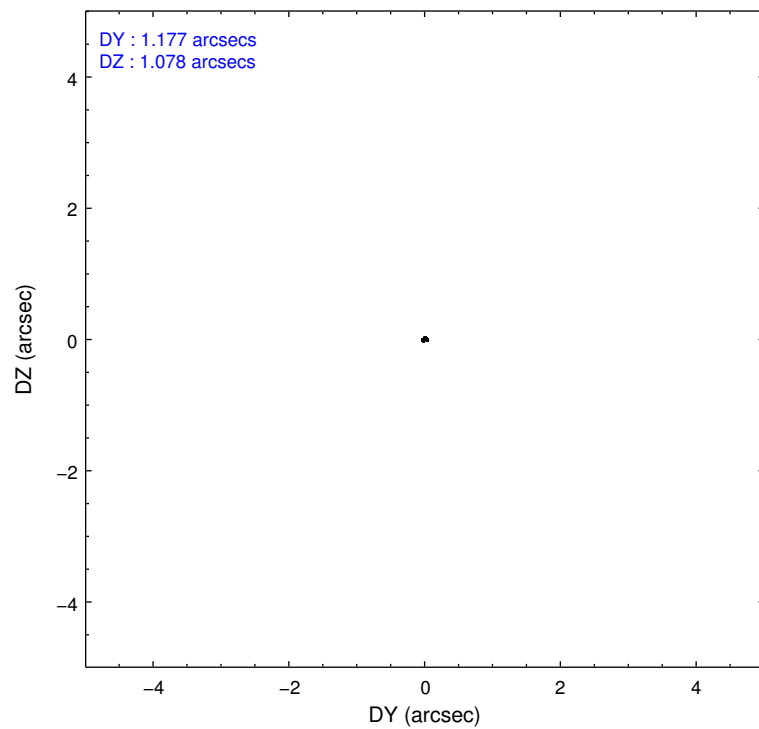
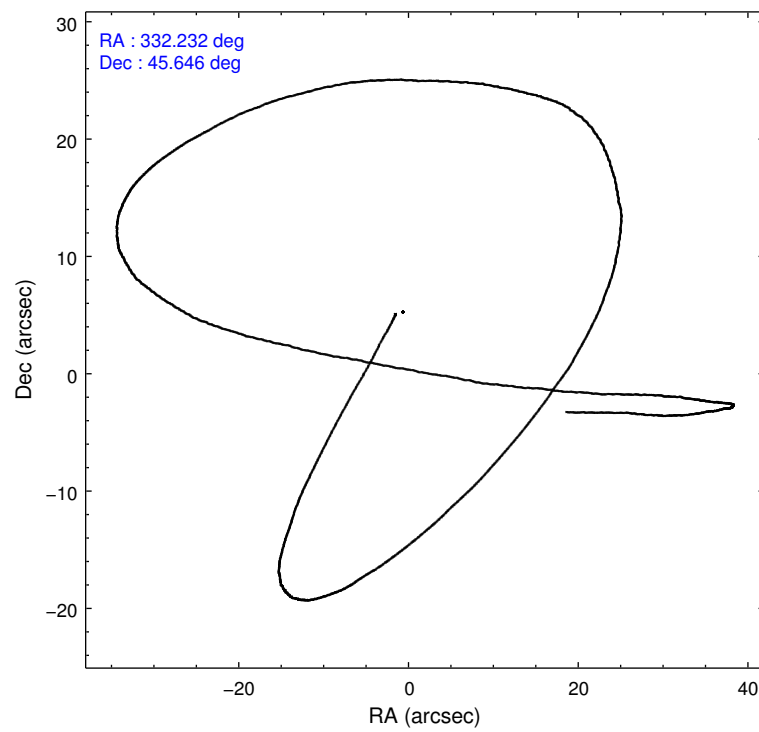
	<b>segment 0</b>
level 1 events	61879
rejected events	2573
rejected %	4%

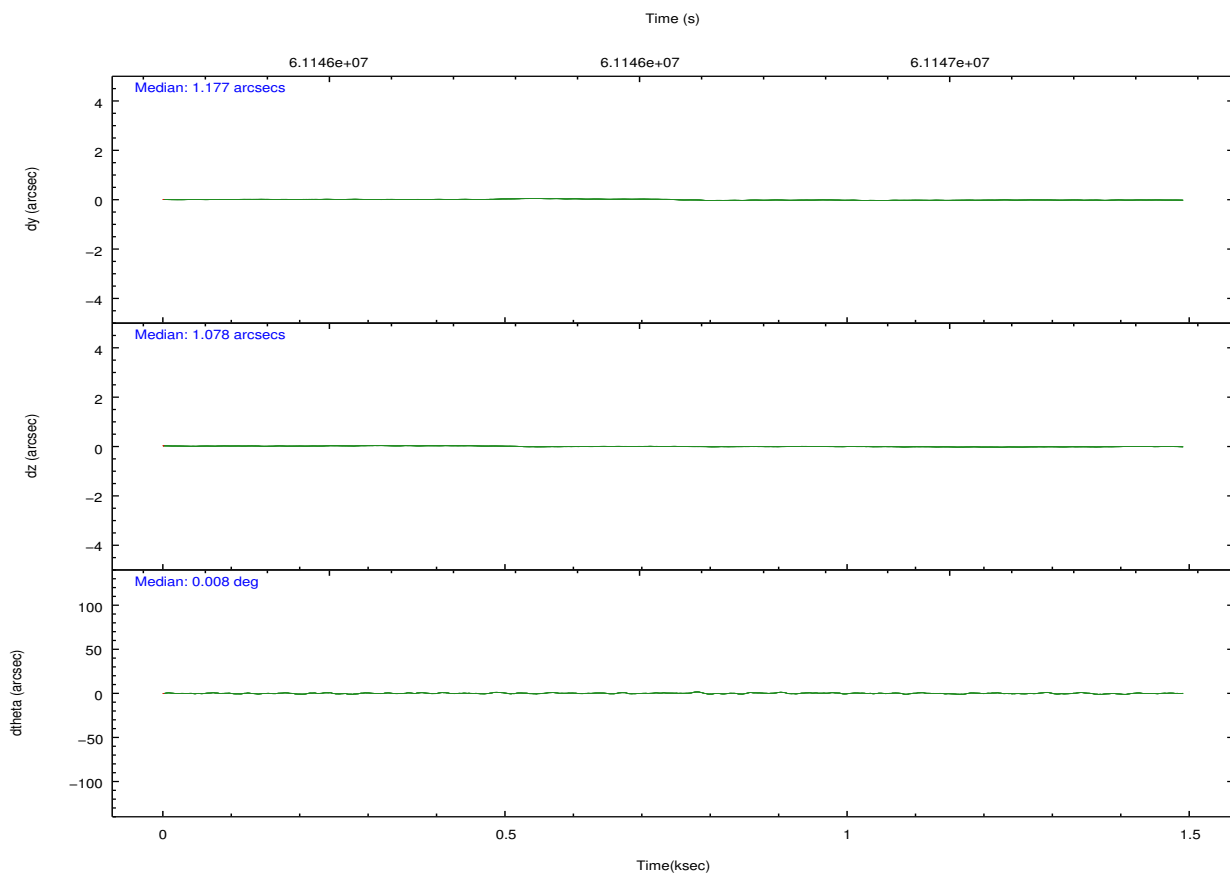
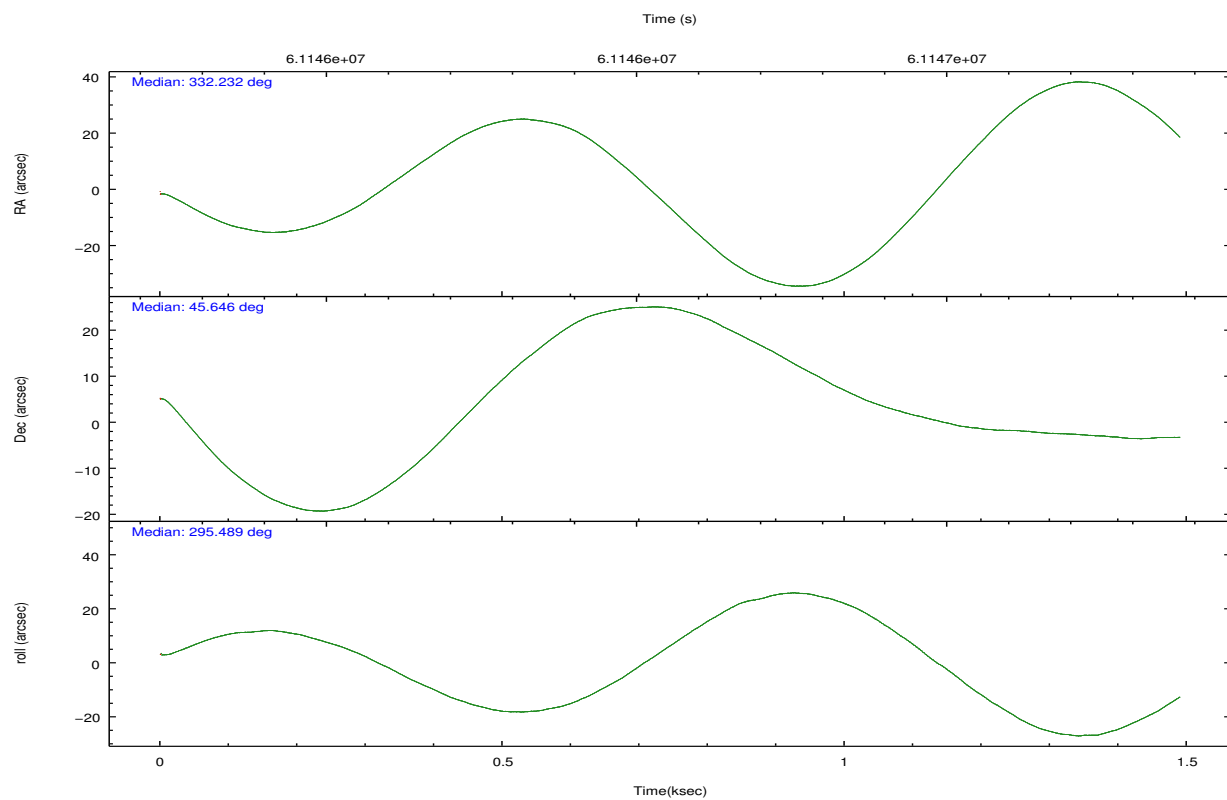
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	332.199836	332.2329941039751
Pointing Dec	45.662787	45.64645098885939
Pointing Roll	295.620531	295.5013358830416
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	61146299.184000	61145632.828116
Observation start date	1999-12-09T17:03:55	1999-12-09T16:53:52
Observation end time	61147299.184000	61147432.728181
Observation end date	1999-12-09T17:20:35	1999-12-09T17:23:52

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

## 2.3 Aspect





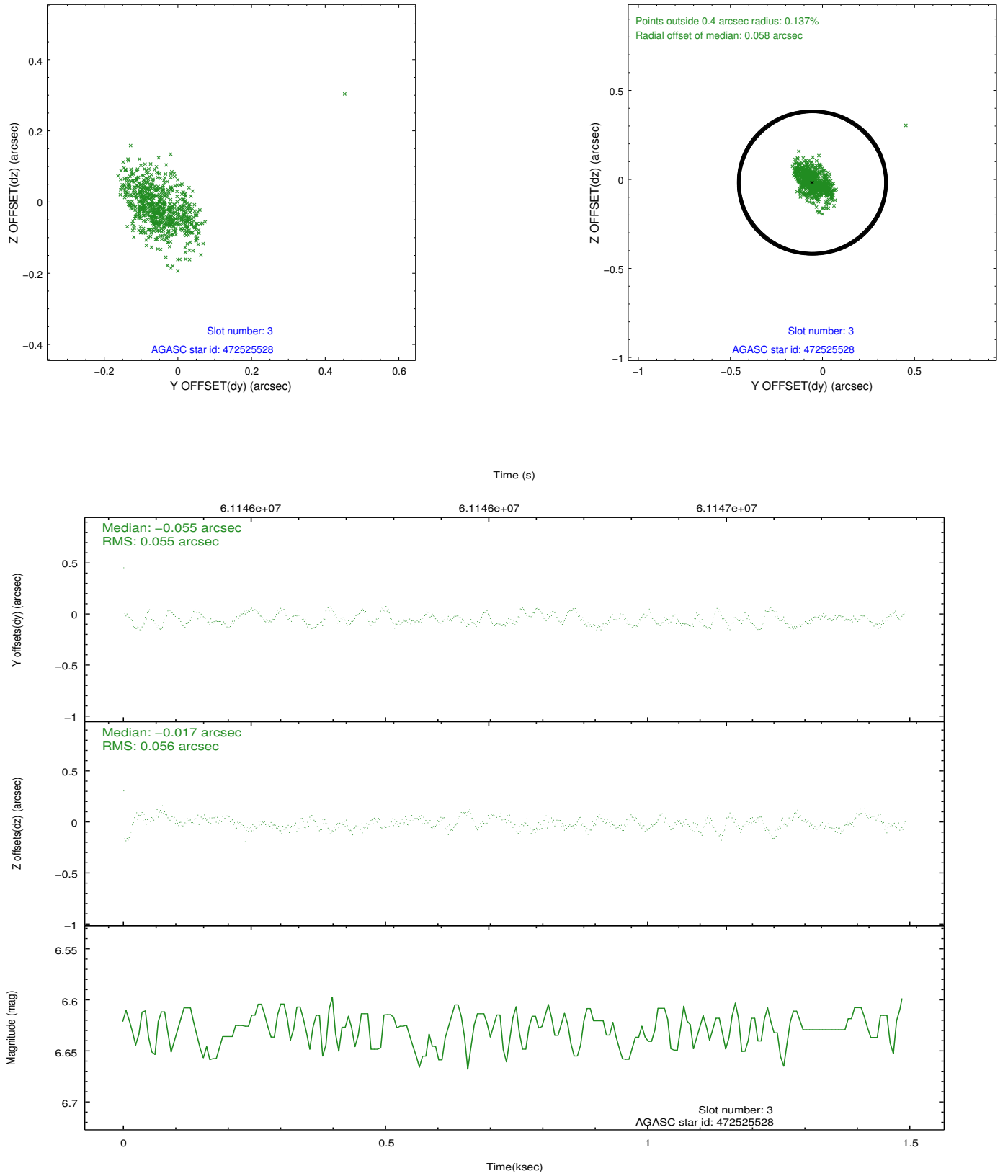
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	728	0.007	-0.051	0.006	0.009	0.000000	0.000000	-756.58	-1288.87
1	FID	HRC-I-3	7.04	728	0.057	-0.040	0.007	0.011	0.000000	0.000000	-1186.09	1013.93
2	FID	HRC-I-4	6.99	728	0.050	0.001	0.005	0.008	0.000000	0.000000	1284.59	1014.77
3	GUIDE	472525528	6.63	728	-0.055	-0.017	0.082	0.131	331.551102	45.248694	624.51	-2123.89
4	GUIDE	472523760	8.23	728	-0.038	-0.115	0.067	0.118	331.645363	45.403260	230.11	-1668.29
5	GUIDE	472665256	9.03	728	-0.073	-0.022	0.082	0.136	332.808125	46.195041	-1080.91	2195.56
6	GUIDE	472659832	9.47	728	0.011	0.111	0.089	0.152	332.780399	46.098139	-796.34	1989.98
7	GUIDE	472655704	9.47	722	0.143	0.044	0.085	0.148	332.167195	45.285228	1185.95	-658.96

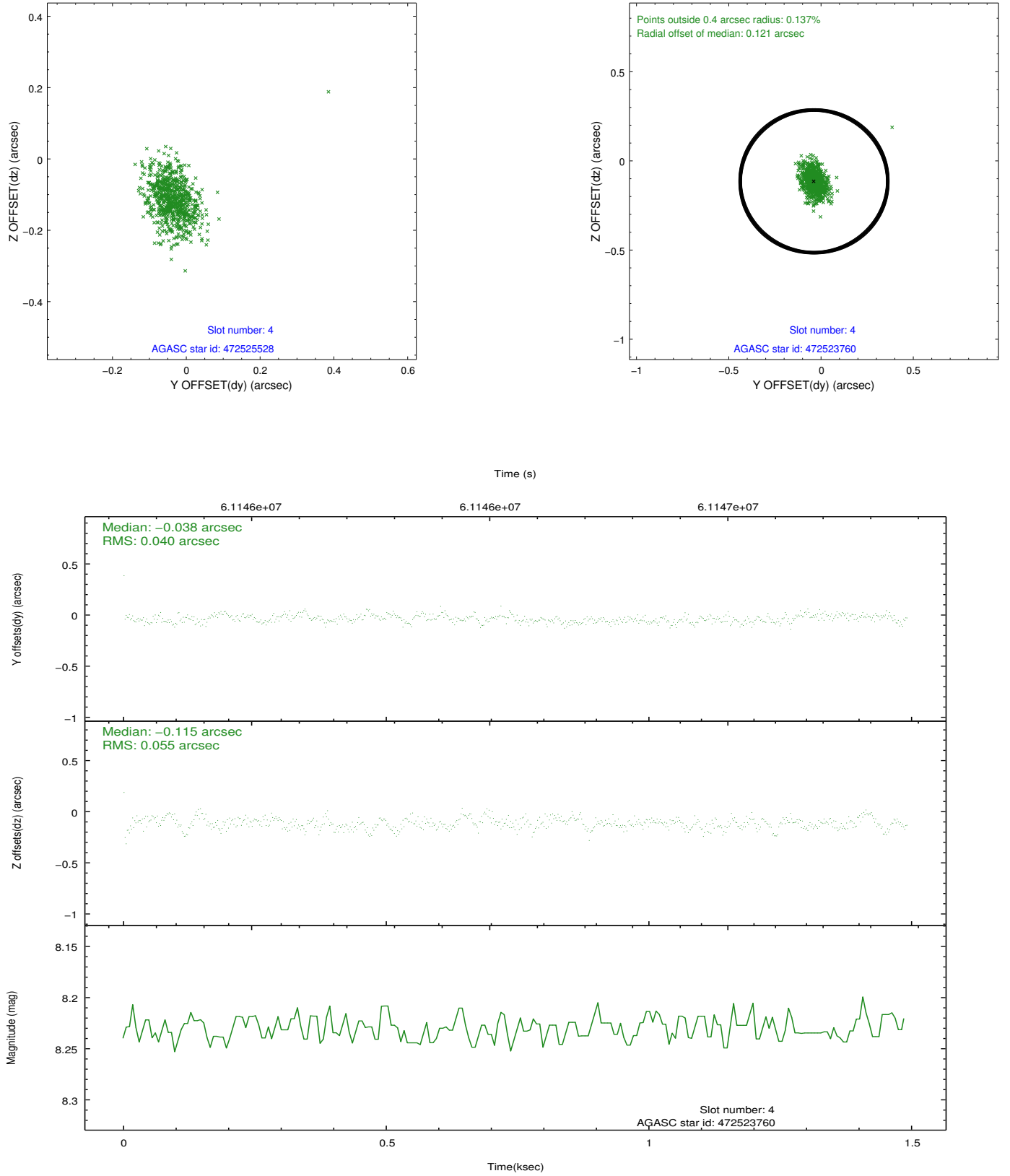


## 2.4 Star Slots

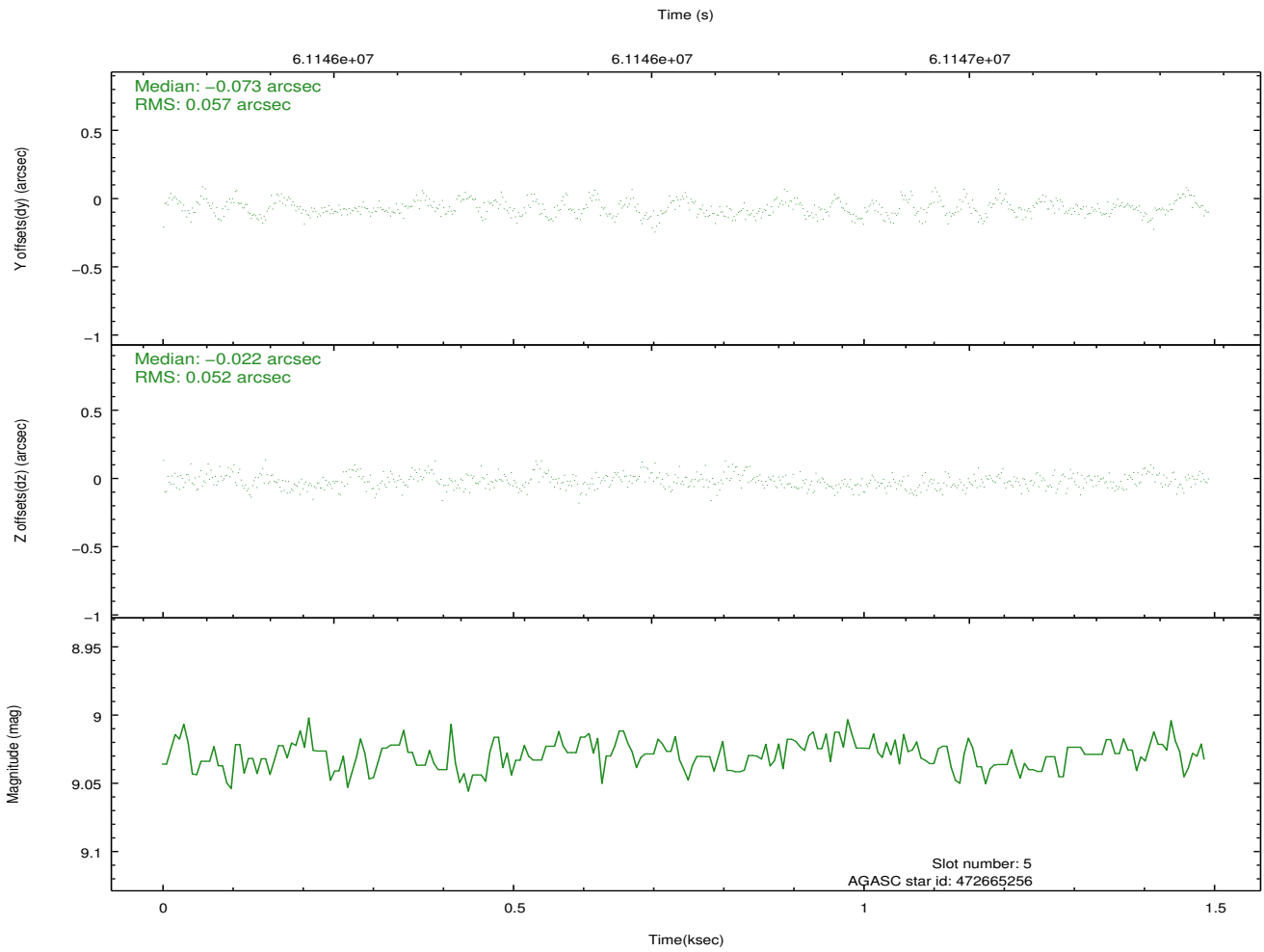
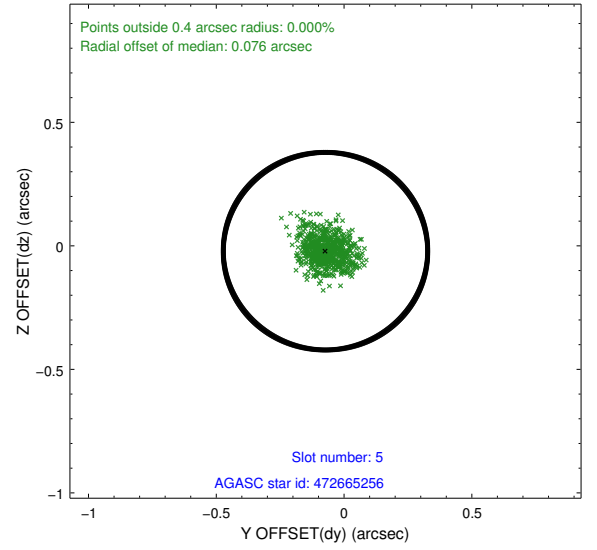
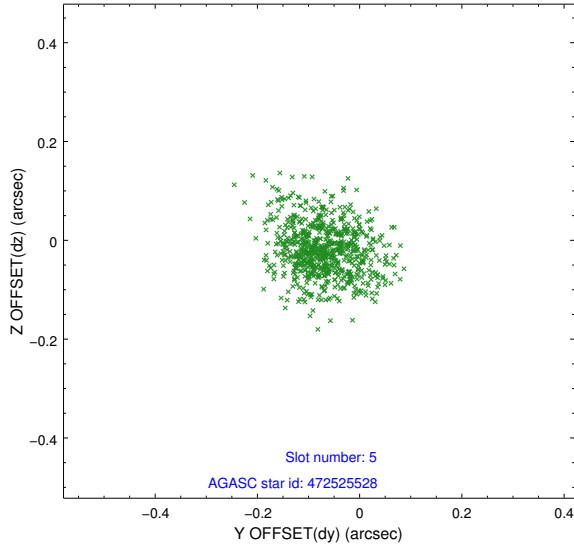
### 2.4.1 Slot 3



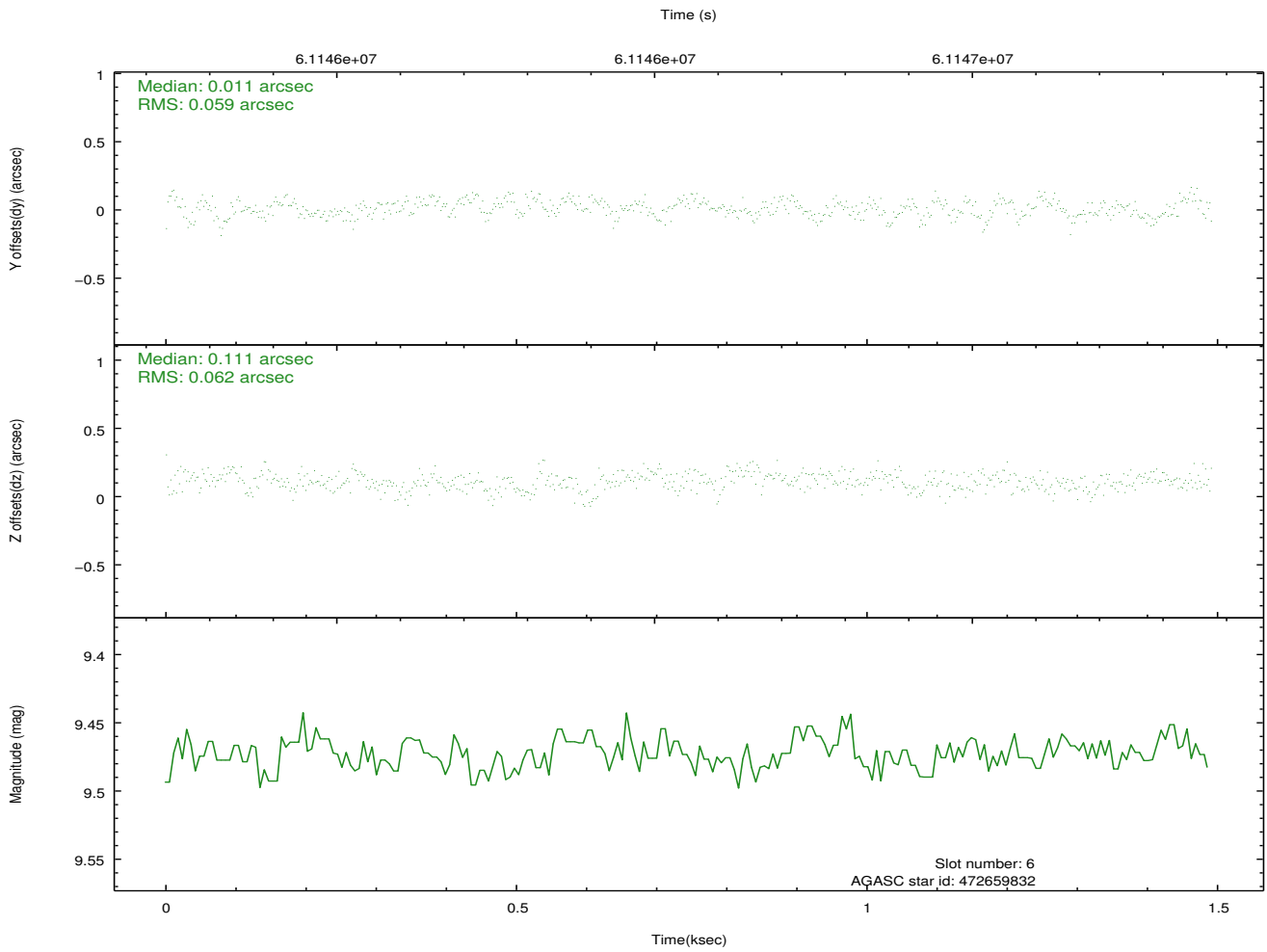
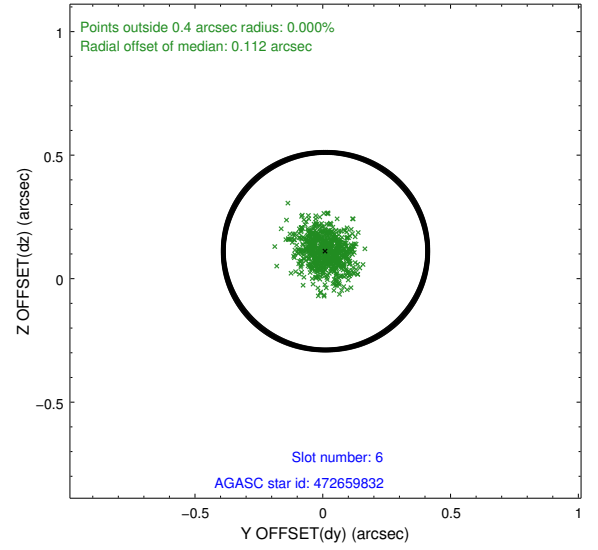
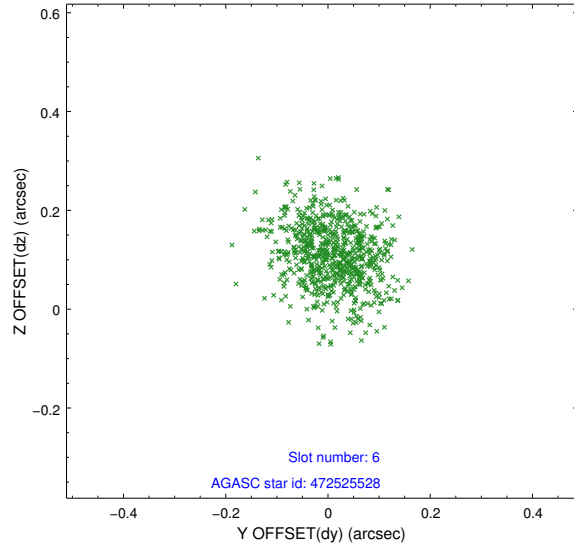
## 2.4.2 Slot 4



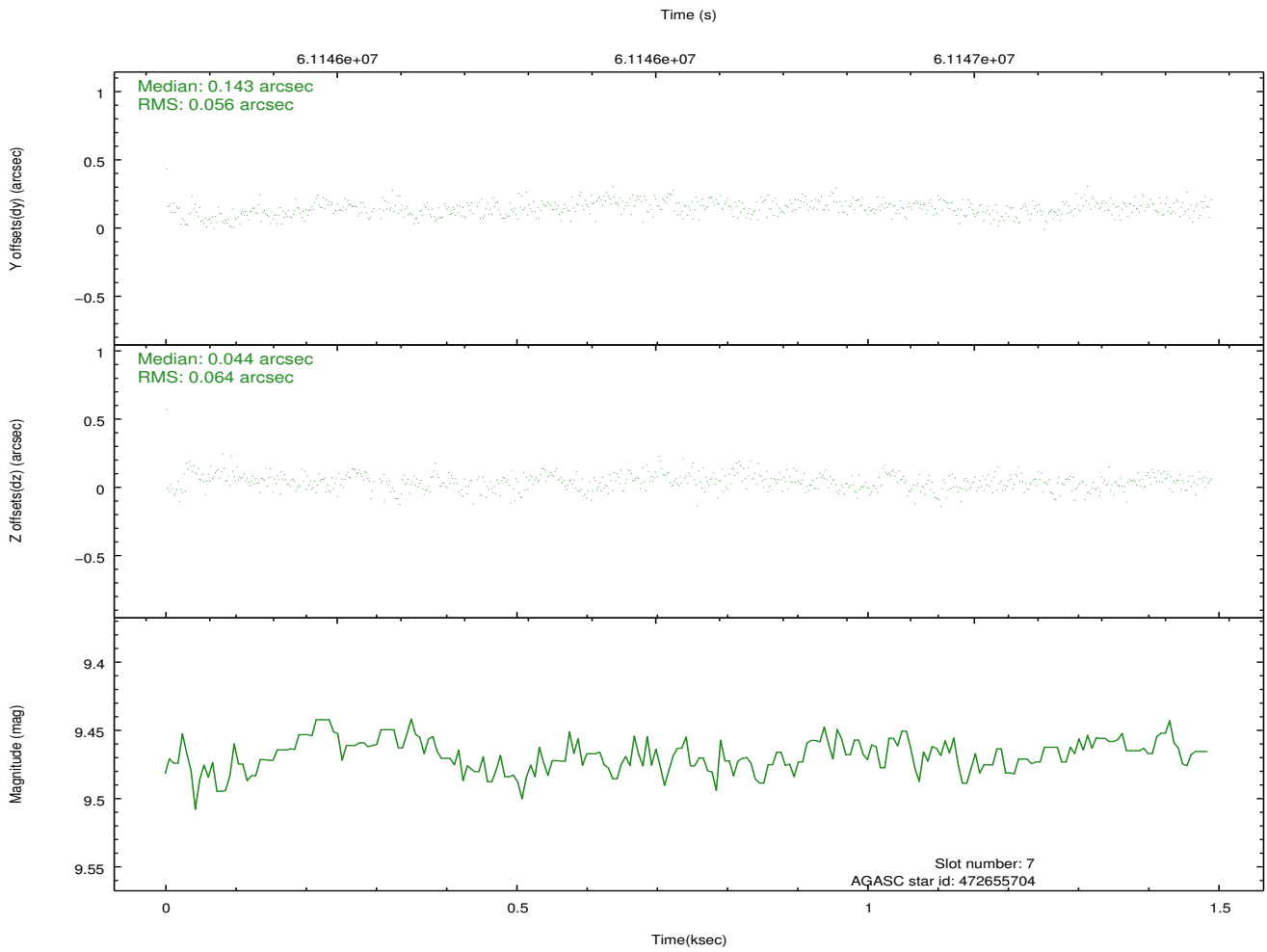
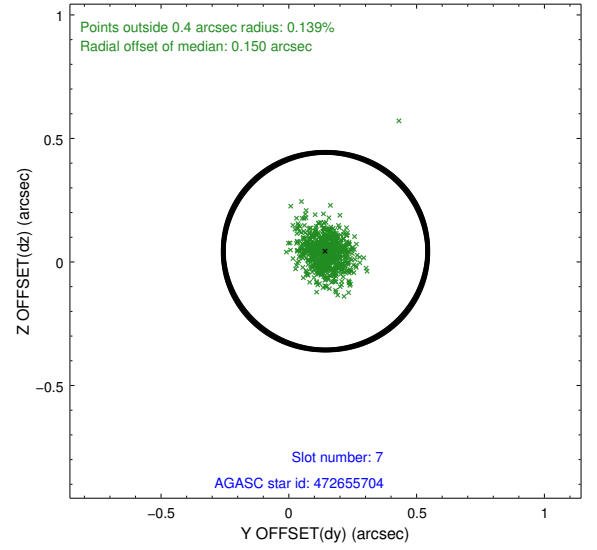
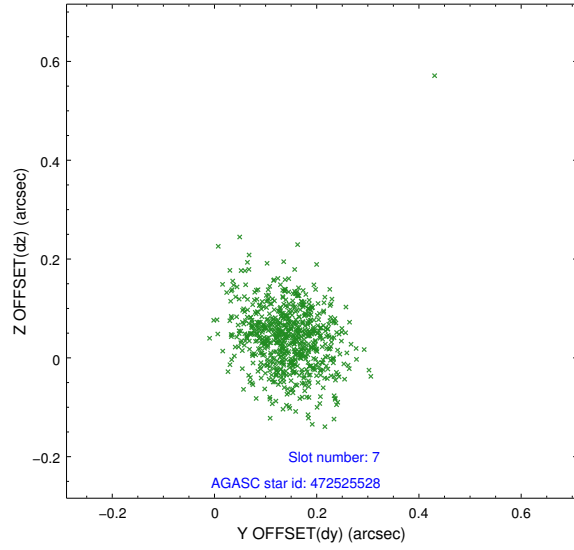
### 2.4.3 Slot 5



## 2.4.4 Slot 6

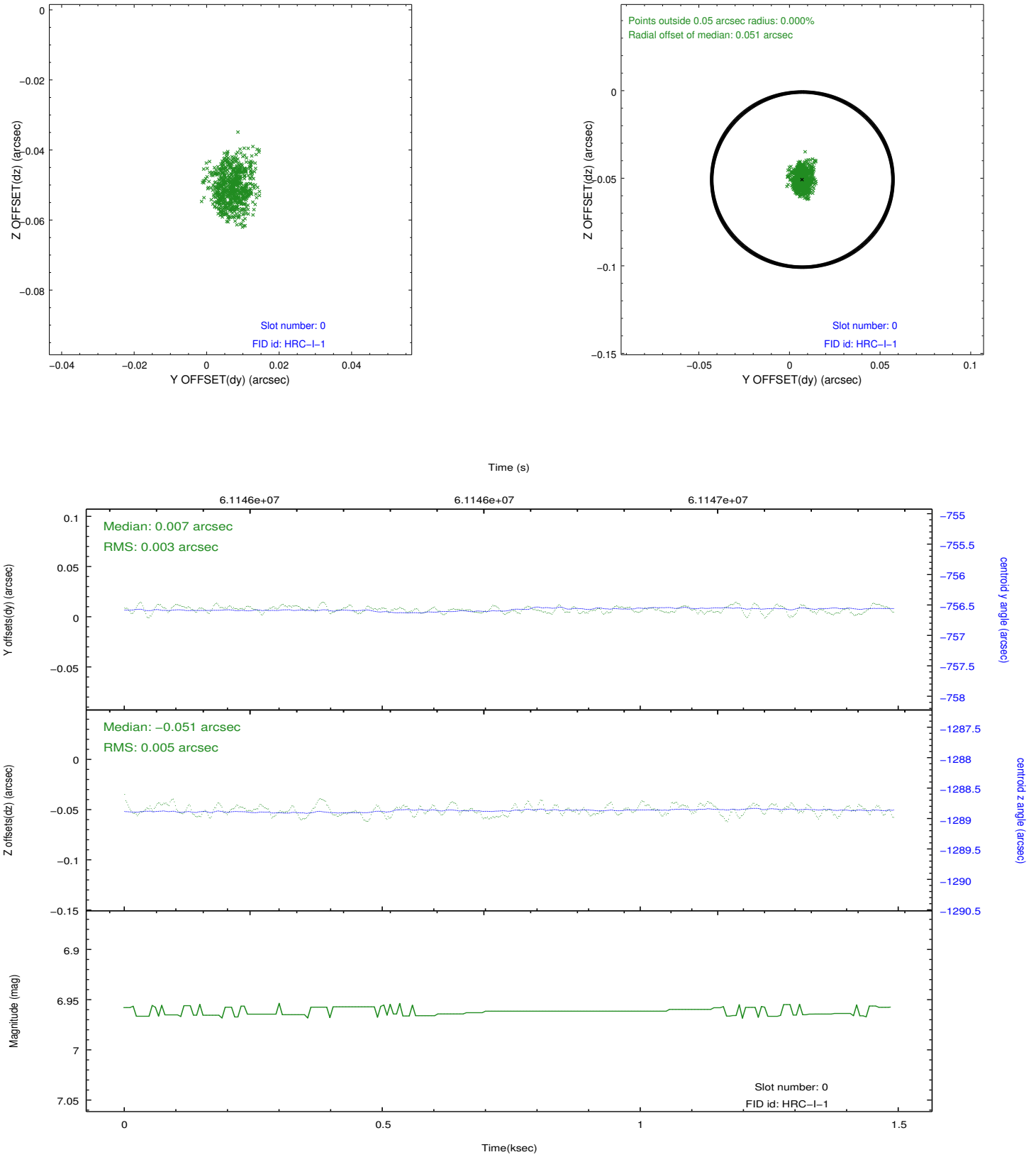


## 2.4.5 Slot 7

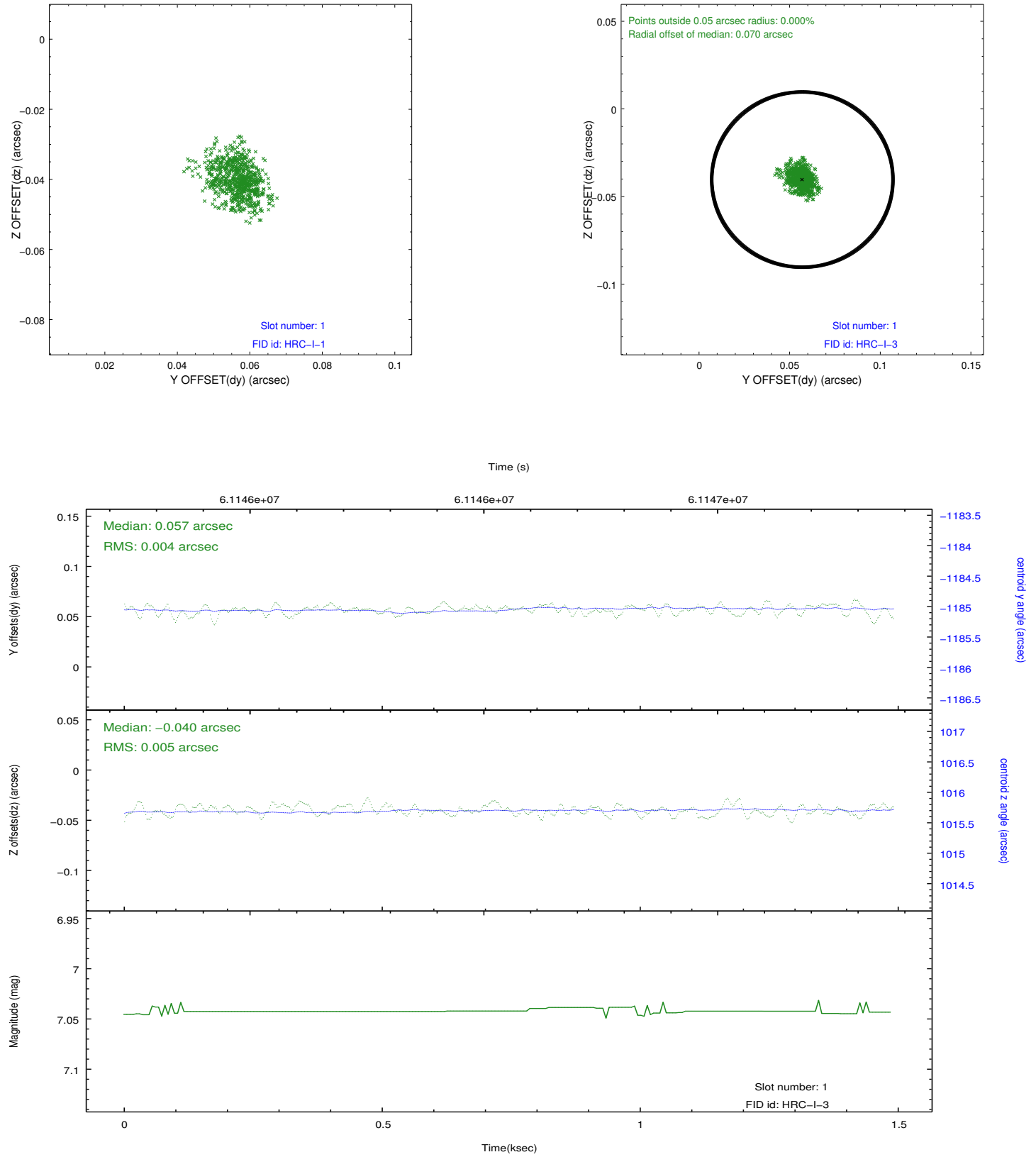


## 2.5 FID Slots

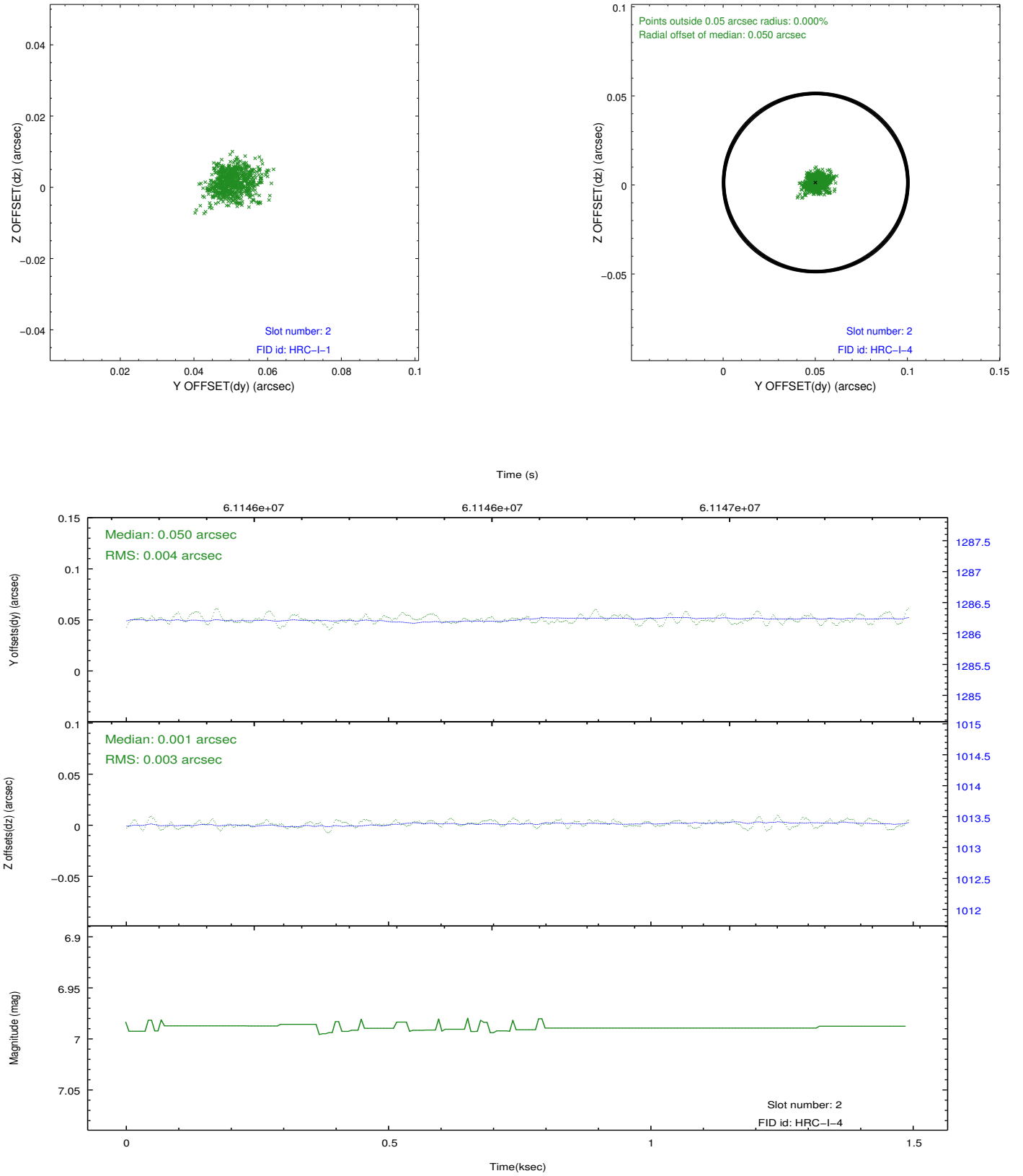
### 2.5.1 Slot 0



## 2.5.2 Slot 1

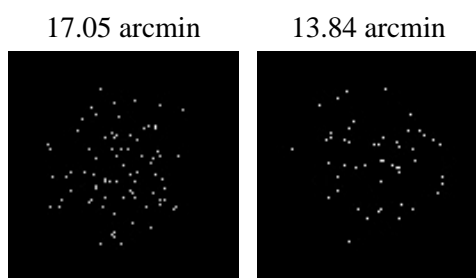


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2009.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.212

## A.2 Comments

HRC-I cal: ARLac for image blur