

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 1500 - L2 Version 5

Chandra X-Ray Center

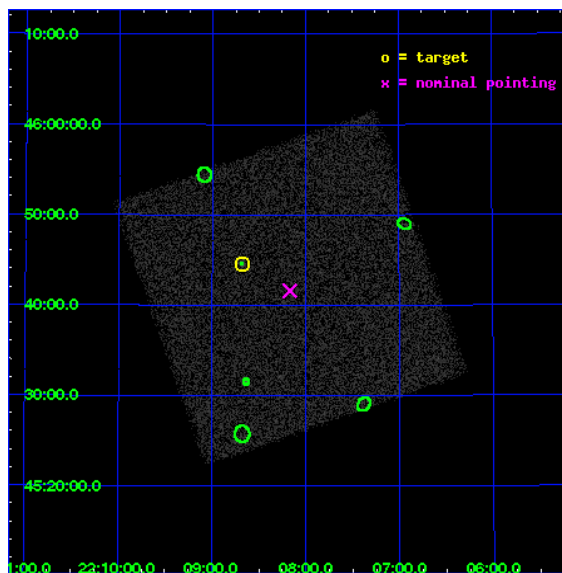
L2 Processing Date : Nov 25 2009

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# 1 Front

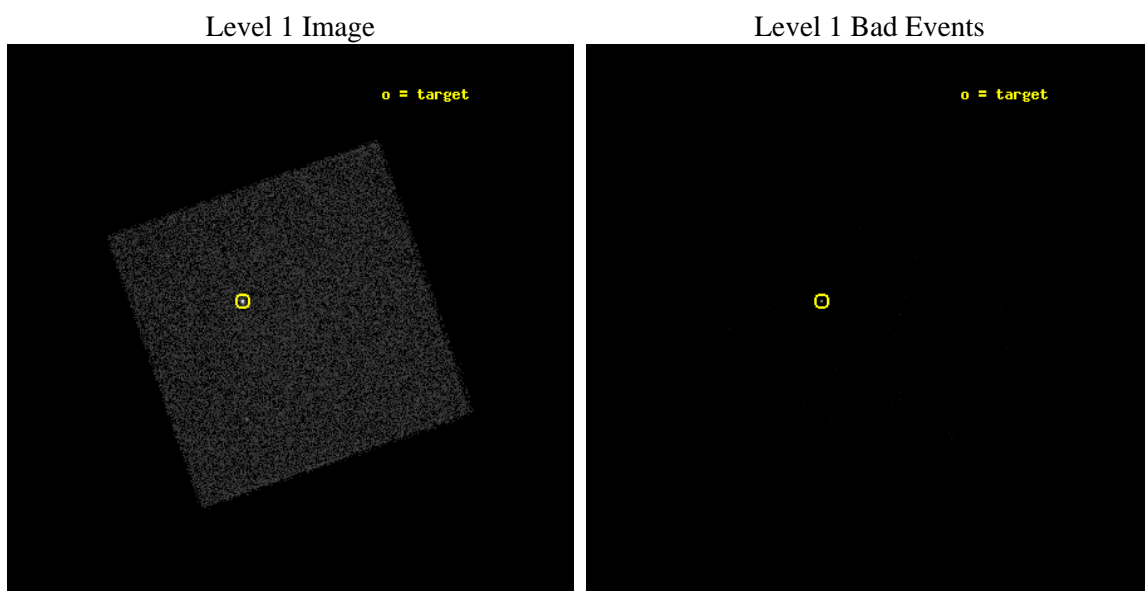
seq_num	280450	Sequence number
obs_id	1500	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.04208412003	Nominal RA
dec_nom	45.693262918664	Nominal Dec
roll_nom	295.65840033275	Nominal Roll
revision	5	Processing version of data
ontime	1212.8312938958	[s]
livetime	1204.6504725767	Ontime multiplied by DTCOR
l2events	44727	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	67912	Number of level 1 events
date	2009-11-25T12:24:46	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

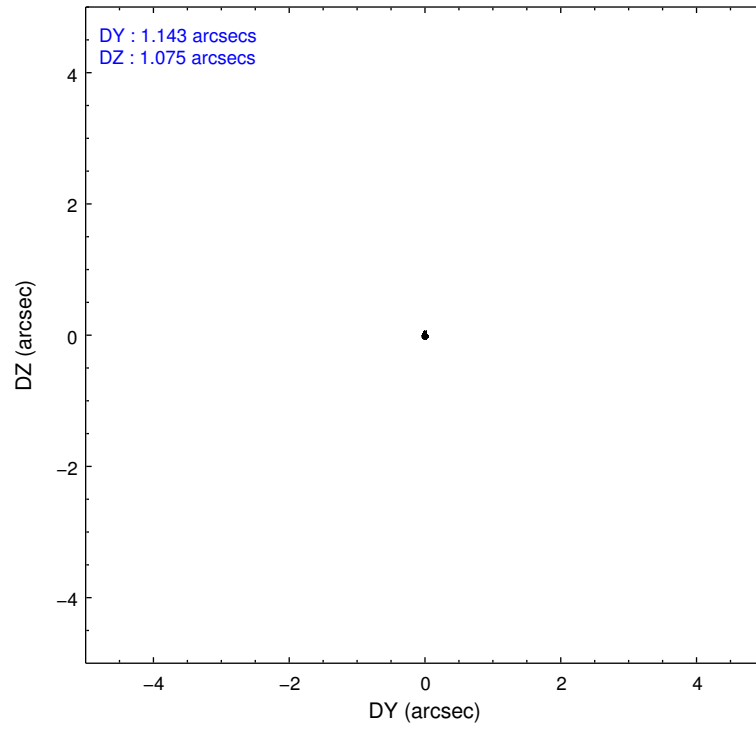
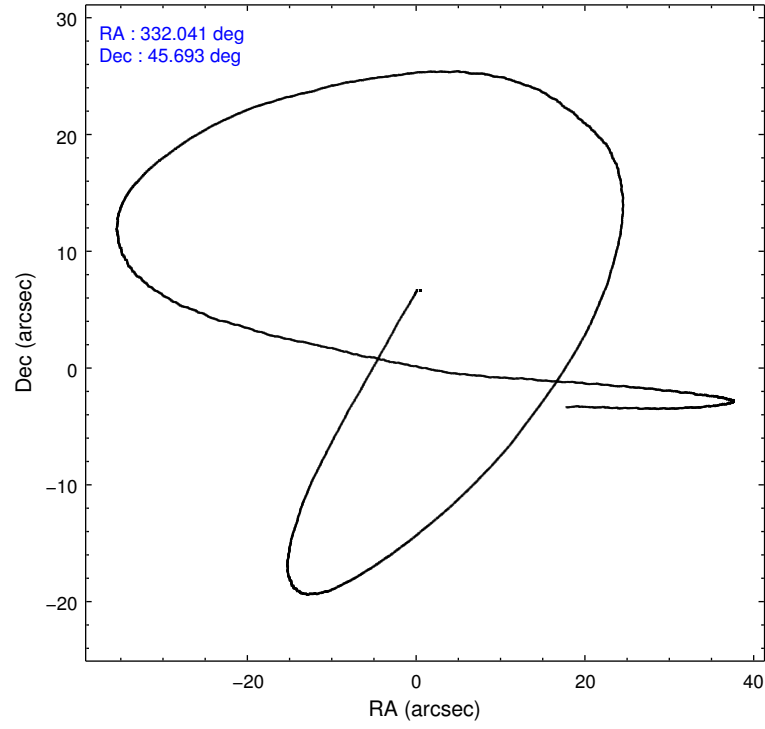
#### Level 1 Events

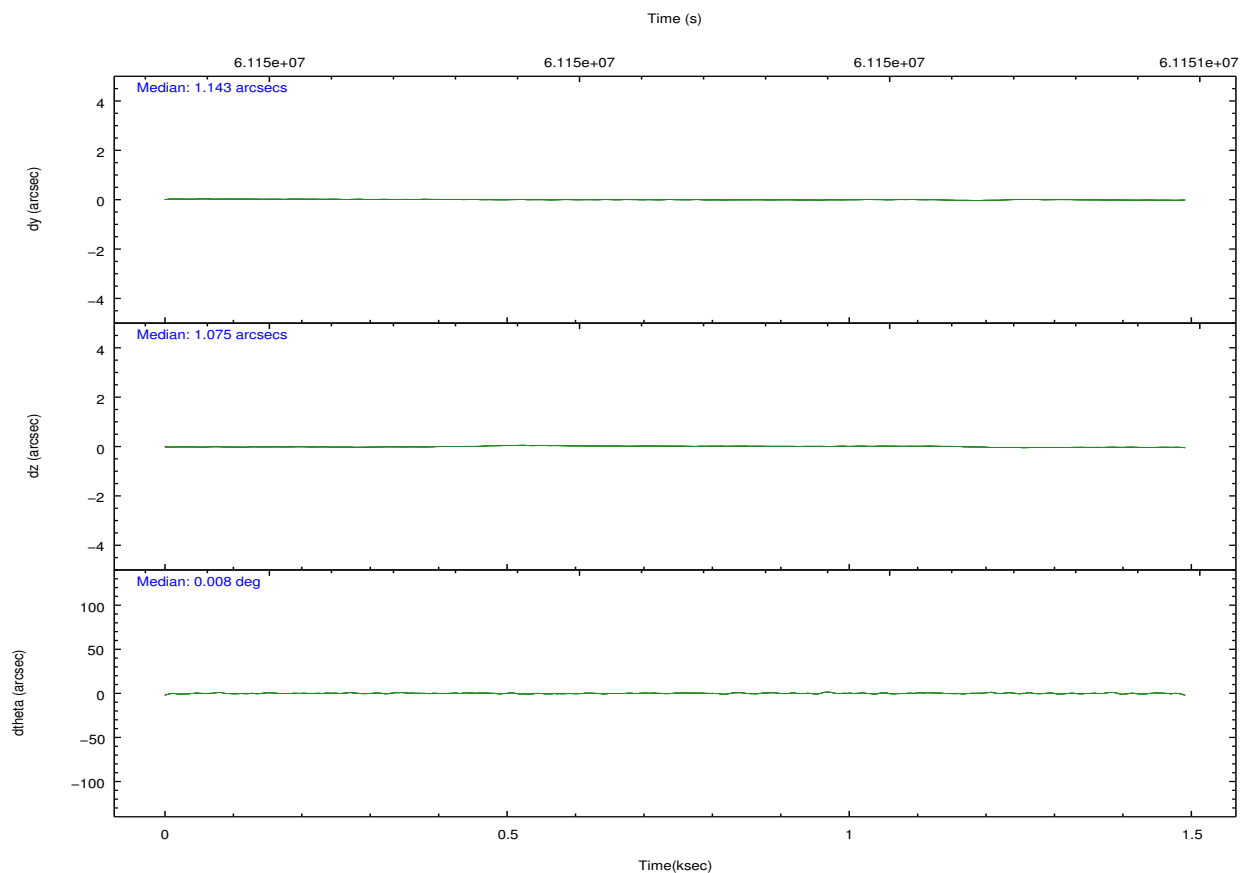
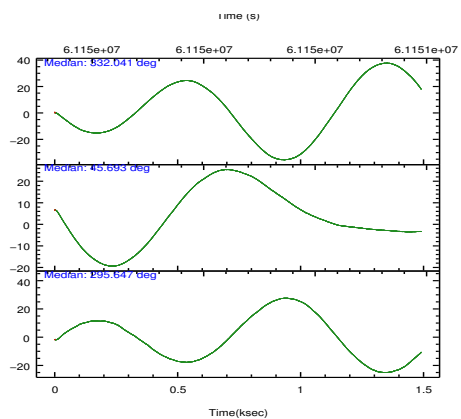
	<b>segment 0</b>
level 1 events	67912
rejected events	2566
rejected %	3%

## 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	332.008808	332.0420841200308			
Pointing Dec	45.709513	45.69326291866391			
Pointing Roll	295.777719	295.6584003327468			
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	61149899.184000	61149232.628247			
Observation start date	1999-12-09T18:03:55	1999-12-09T17:53:52			
Observation end time	61150899.184000	61151033.040812			
Observation end date	1999-12-09T18:20:35	1999-12-09T18:23:53			

## 2.3 Aspect





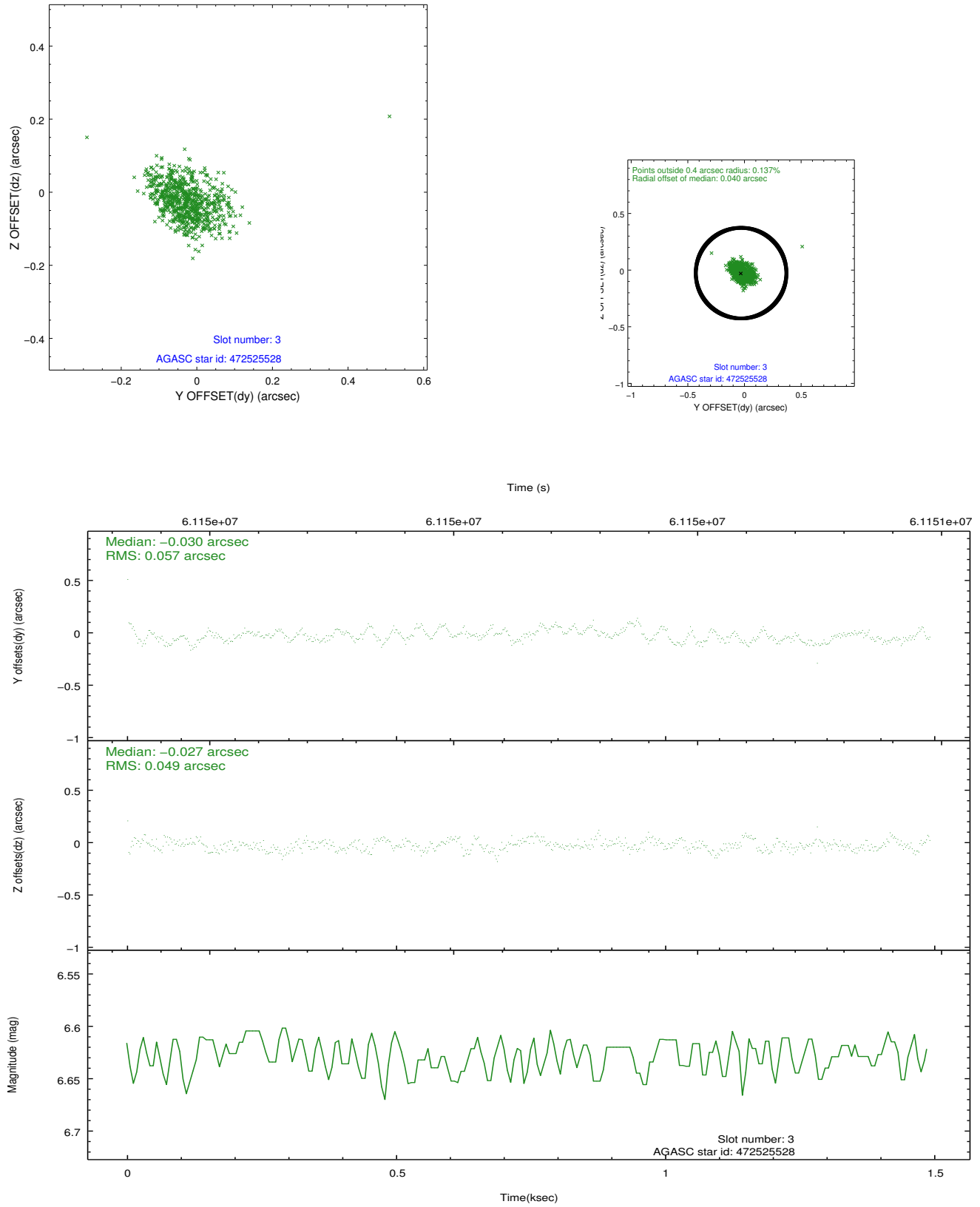
Slot Statistics

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	-0.050	0.006	0.010	0.000000	0.000000	-756.54	-1288.86
1	FID	HRC-I-3	7.04	728	0.058	-0.040	0.006	0.010	0.000000	0.000000	-1186.06	1013.94
2	FID	HRC-I-4	6.99	728	0.049	0.001	0.005	0.008	0.000000	0.000000	1284.62	1014.78
3	GUIDE	472525528	6.63	728	-0.030	-0.027	0.078	0.125	331.551102	45.248694	983.66	-1764.43
4	GUIDE	472527720	7.00	728	-0.004	-0.027	0.085	0.148	331.460205	45.112509	1323.68	-2189.84
5	GUIDE	472523760	8.23	728	-0.022	-0.128	0.069	0.112	331.645363	45.403260	590.40	-1308.77
6	GUIDE	472659832	9.47	728	-0.114	-0.017	0.114	0.189	332.780399	46.098139	-433.47	2345.06
7	GUIDE	472646552	9.63	727	0.168	0.191	0.123	0.198	333.120915	45.571877	1643.48	2320.44

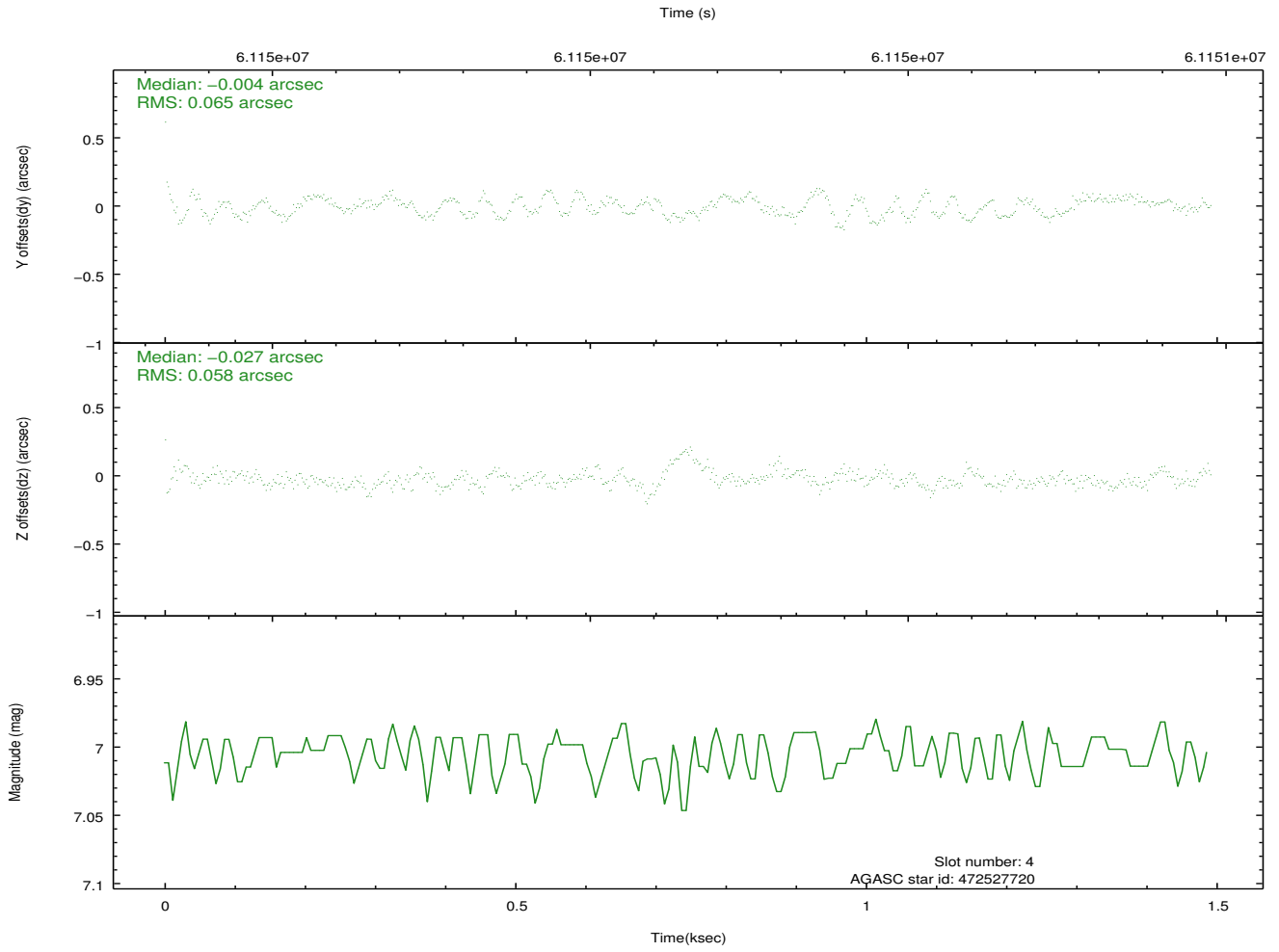
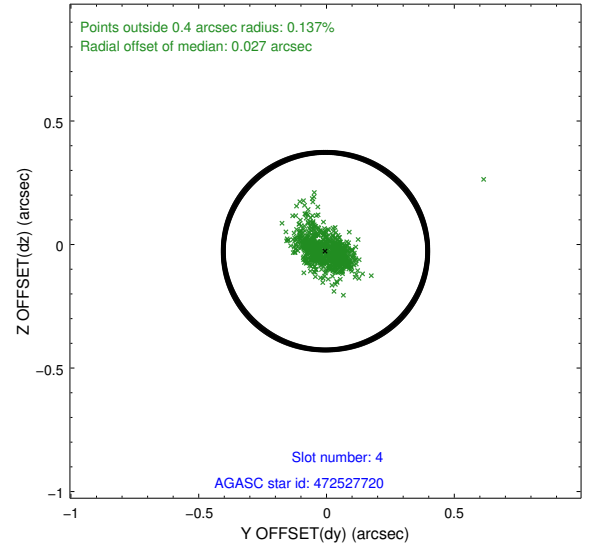
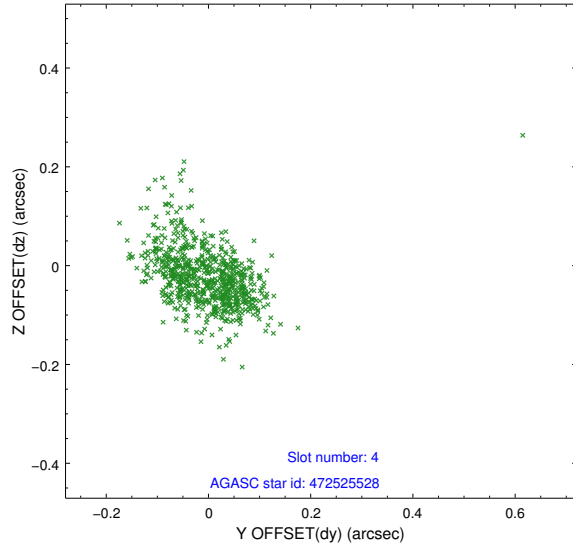


## 2.4 Star Slots

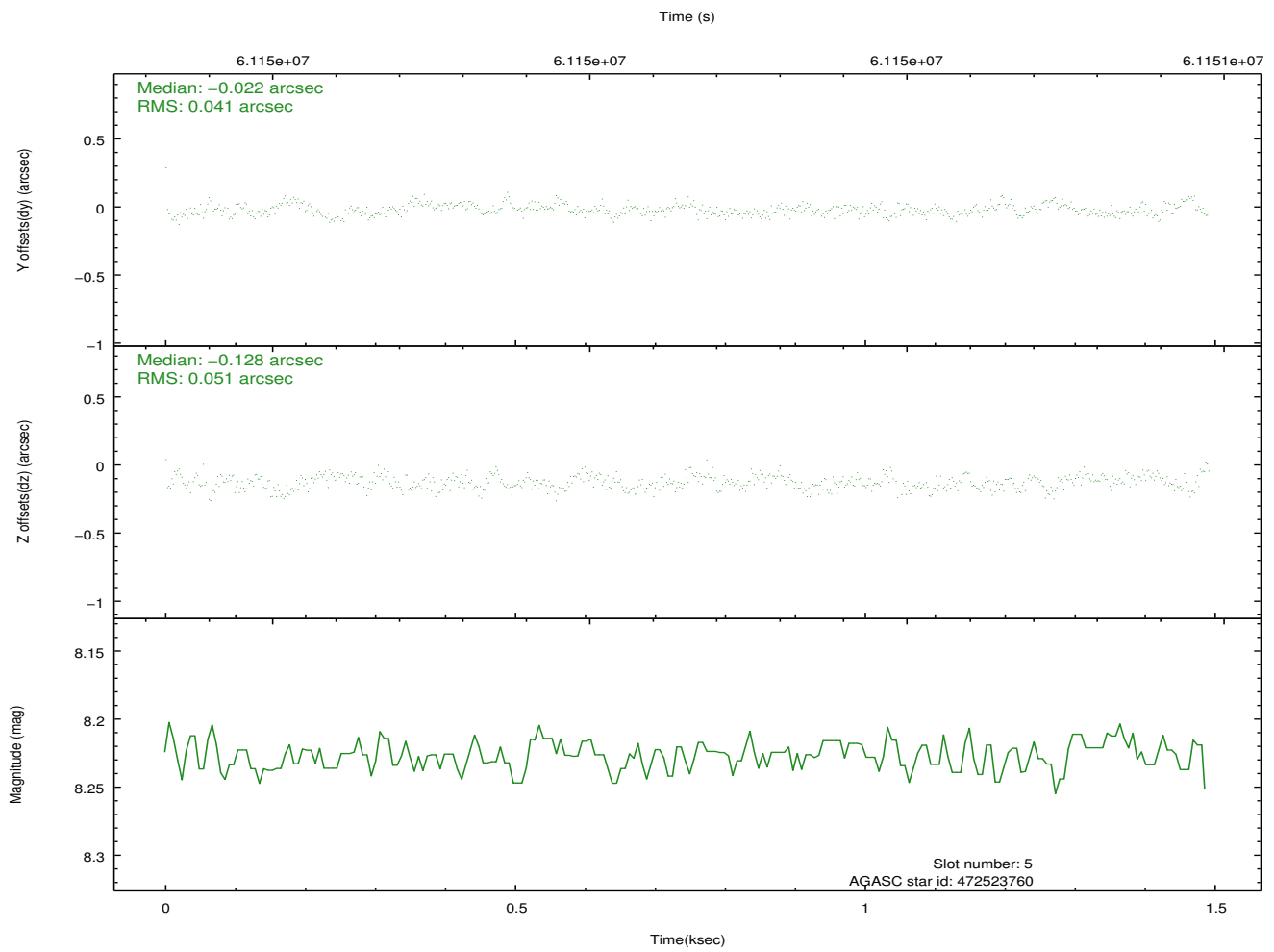
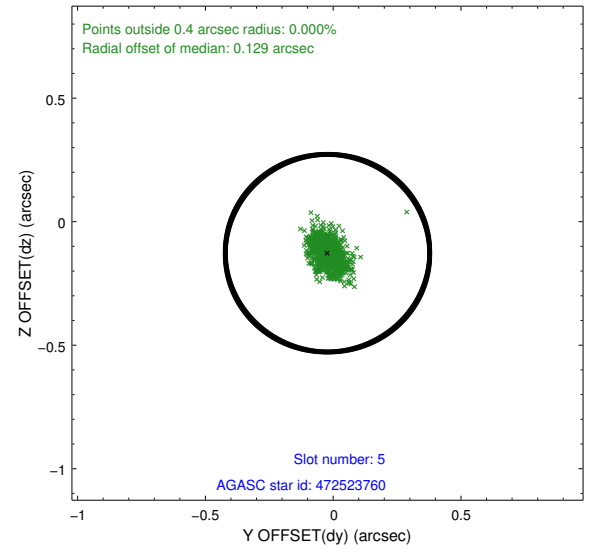
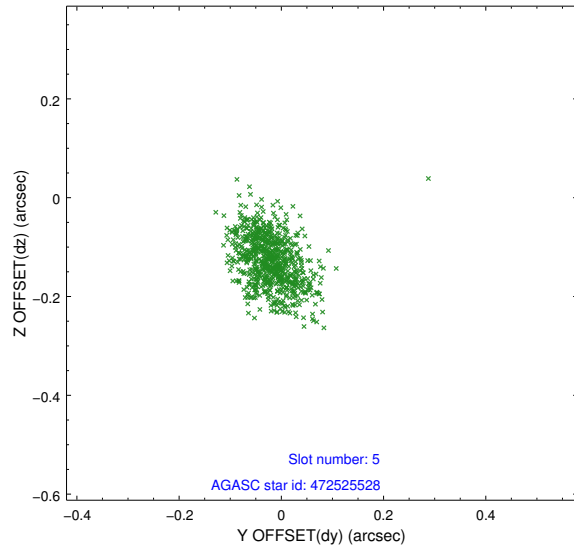
### 2.4.1 Slot 3



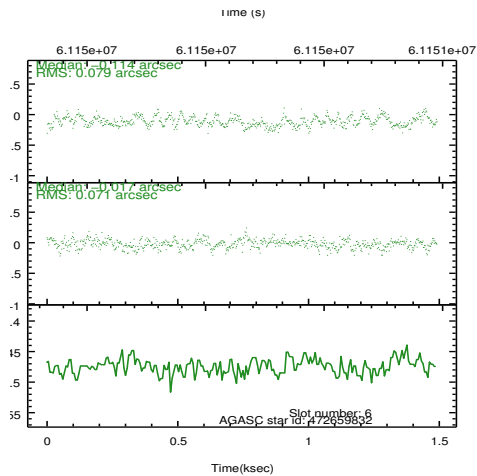
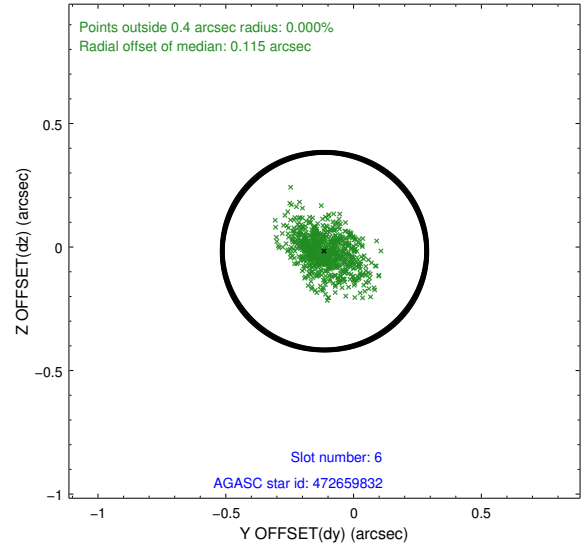
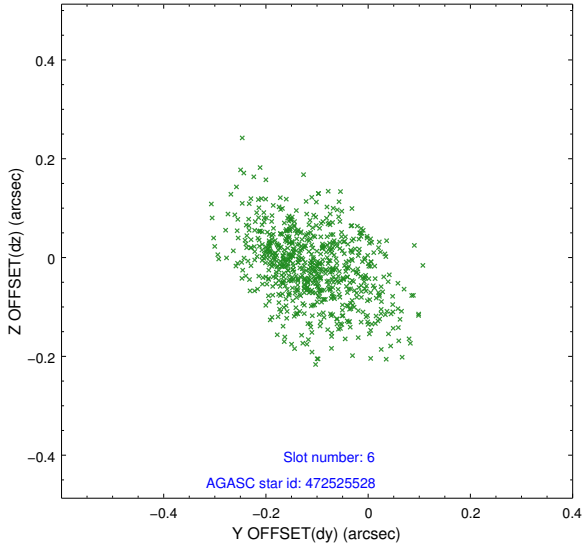
## 2.4.2 Slot 4



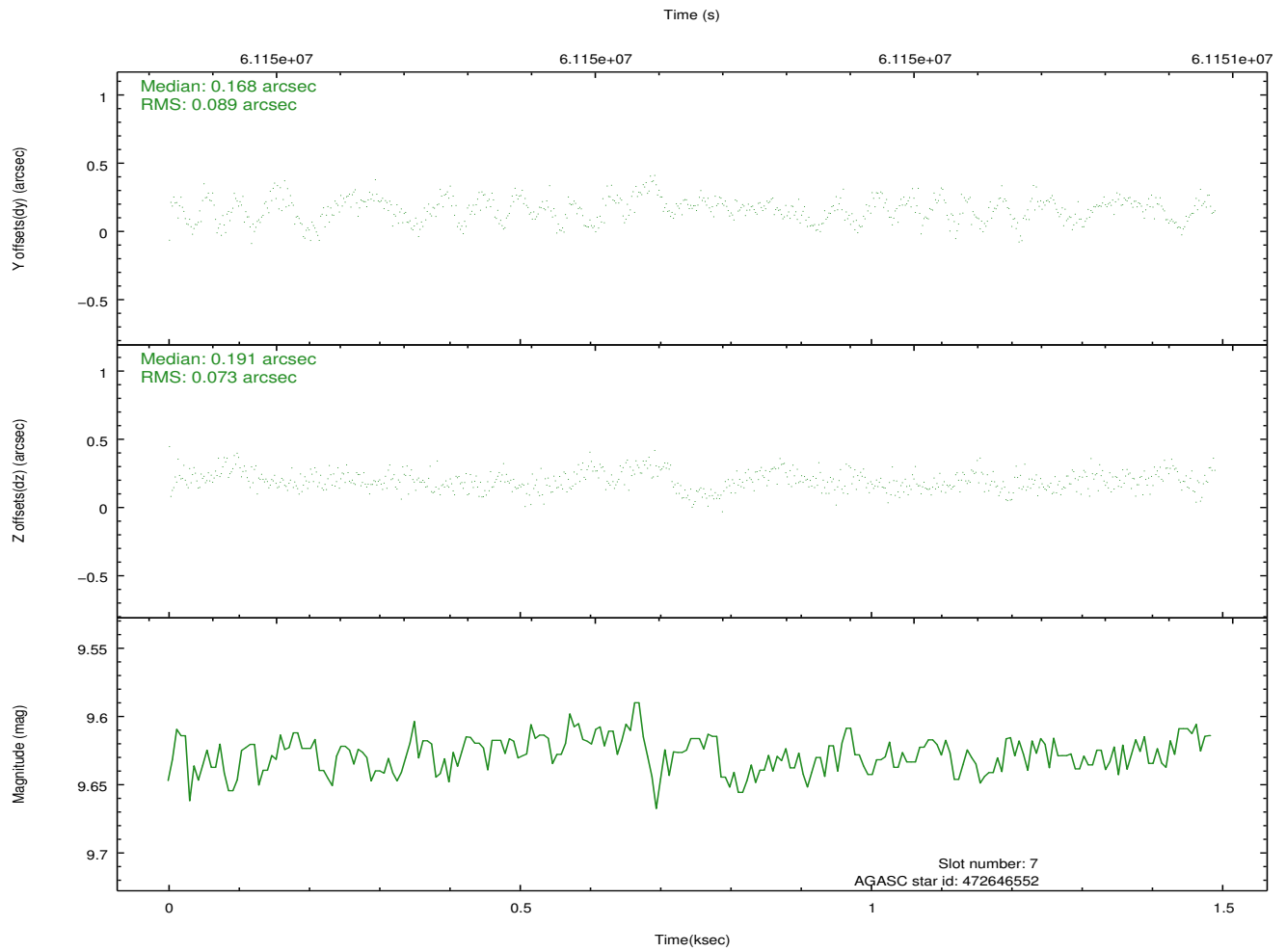
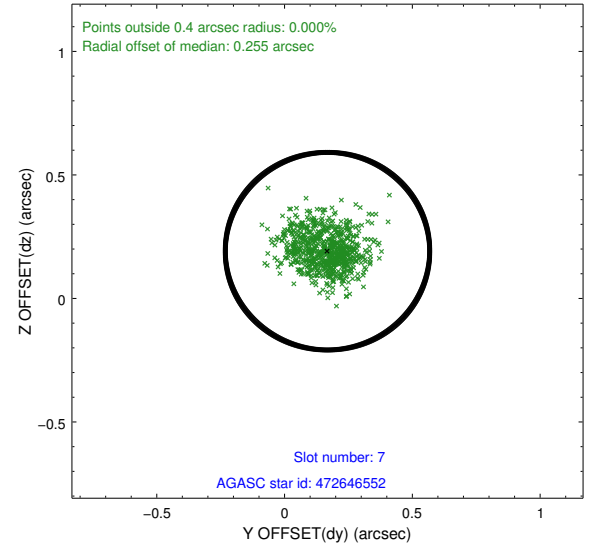
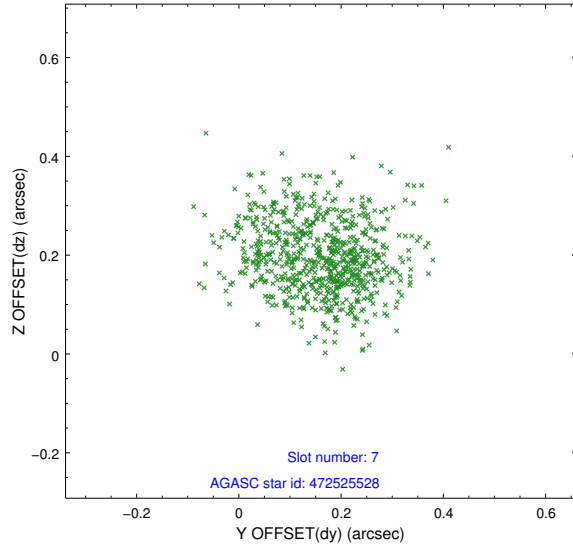
### 2.4.3 Slot 5



2.4.4 Slot 6

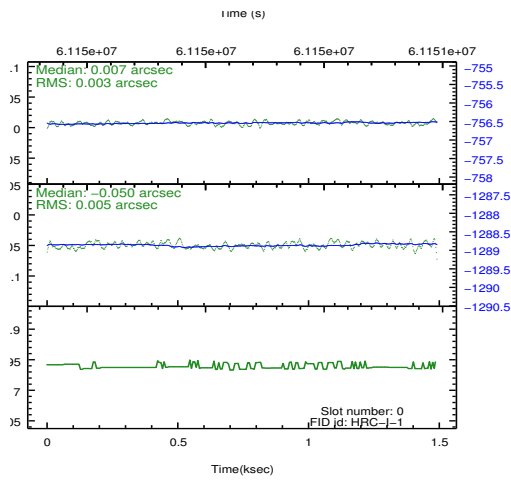
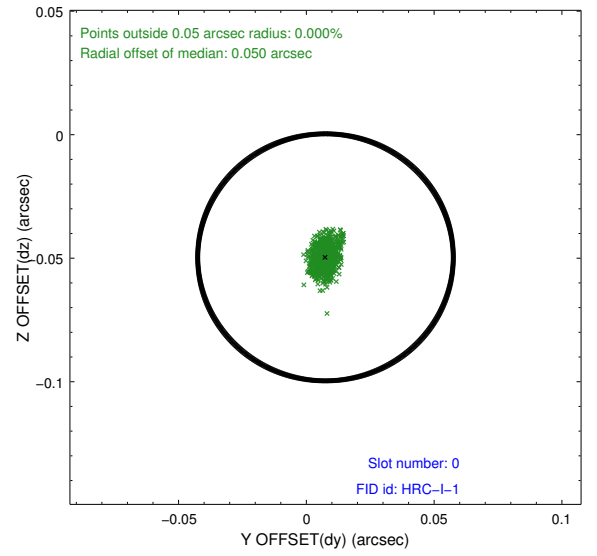
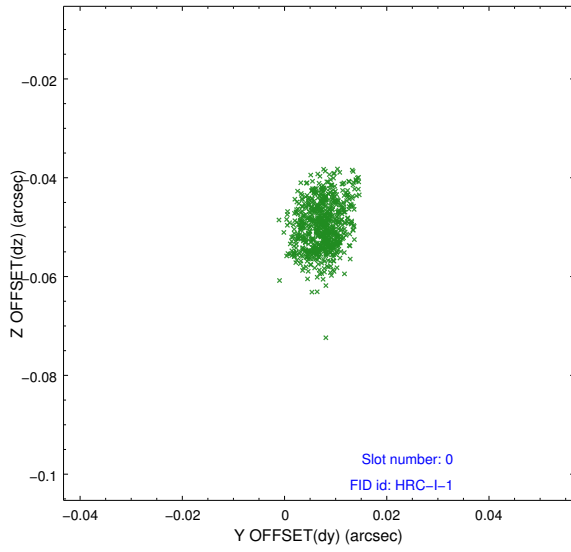


## 2.4.5 Slot 7

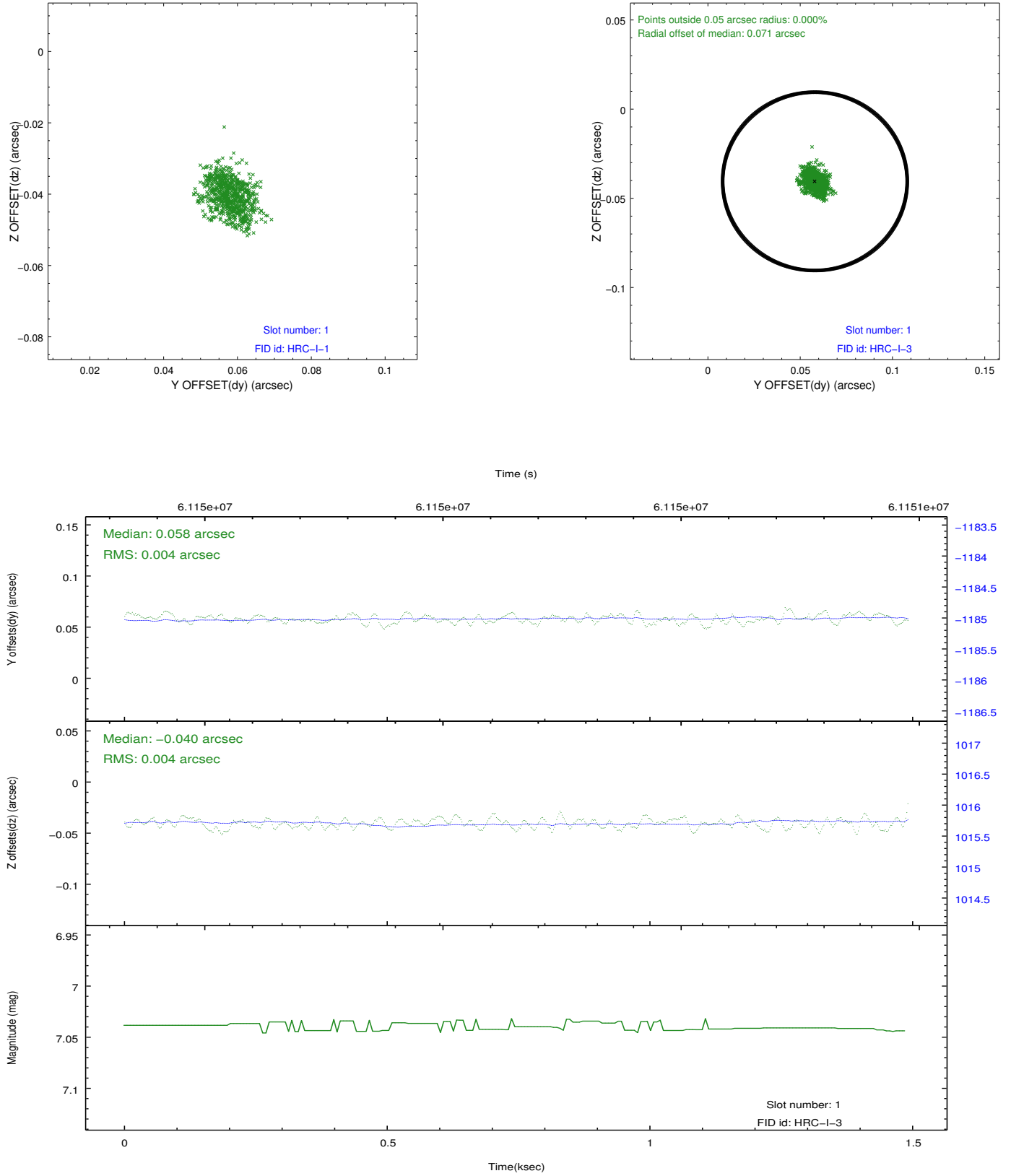


## 2.5 FID Slots

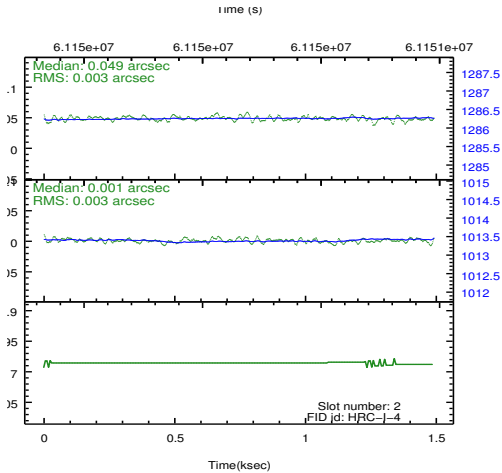
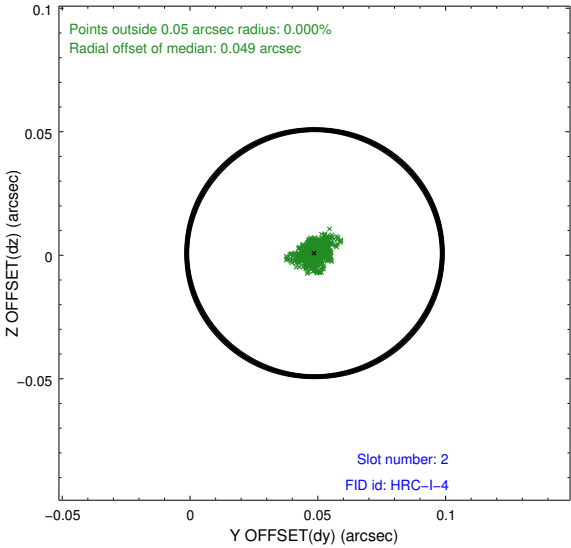
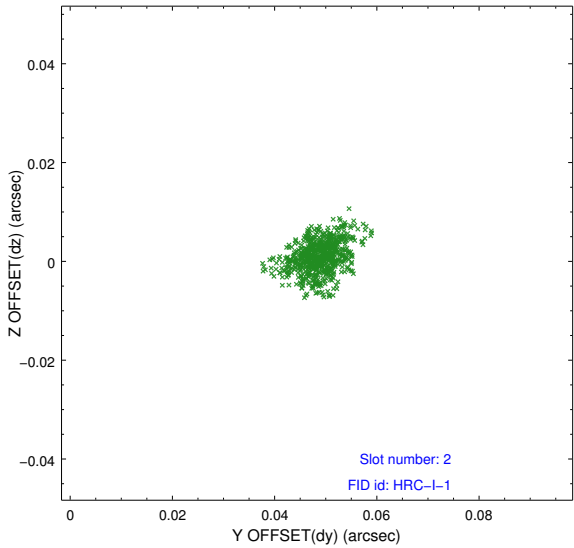
### 2.5.1 Slot 0



## 2.5.2 Slot 1

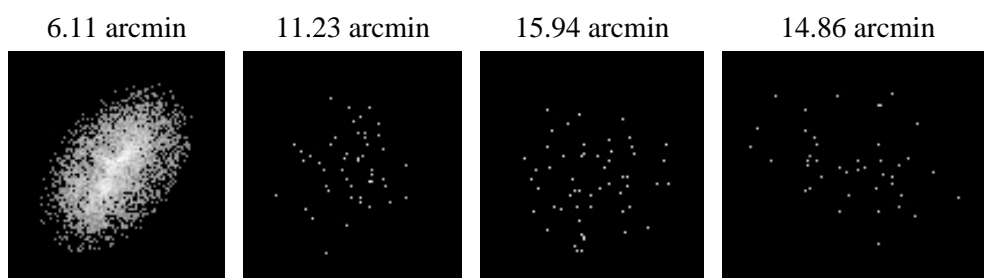


2.5.3 Slot 2





### 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