

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 1497 - L2 Version 5  
Chandra X-Ray Center

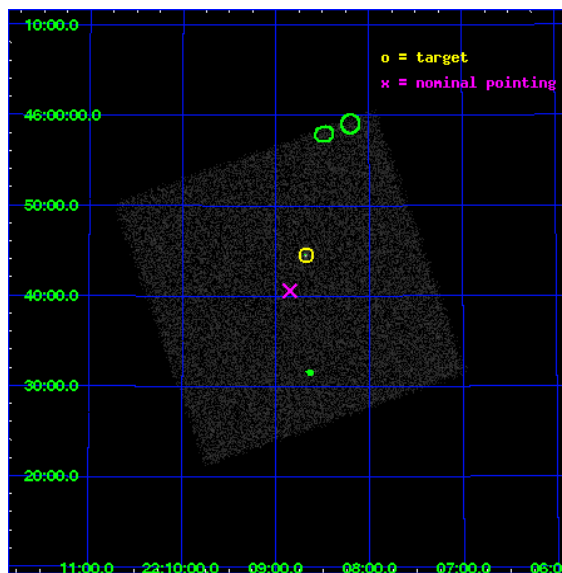
L2 Processing Date : Nov 25 2009

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# 1 Front

seq_num	280447	Sequence number
obs_id	1497	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	332.21235616553	Nominal RA
dec_nom	45.676534764686	Nominal Dec
roll_nom	295.49550582989	Nominal Roll
revision	5	Processing version of data
ontime	1211.8062938601	[s]
livetime	1203.9920940886	Ontime multiplied by DTCOR
l2events	40264	Number of level 2 events

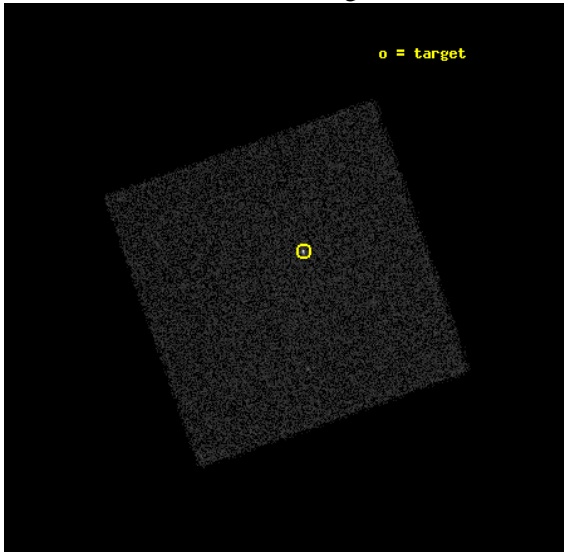


## 2 OBI

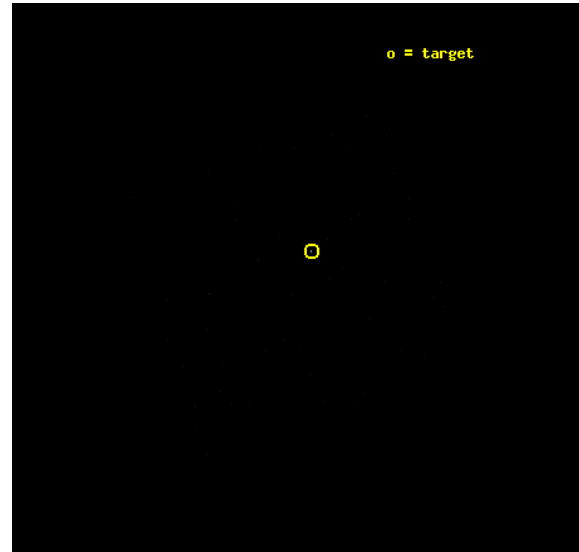
### 2.1 OBI

#### 2.1.1 Images

Level 1 Image



Level 1 Bad Events



## 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	1211.8062938601	[s]
caldbver	4.1.4	&#160	l1events	62112	Number of level 1 events
date	2009-11-25T12:23:57	Date and time of file creation			
revision	4	Processing version of data			

## 2.1.3 Events

### Level 1 Events

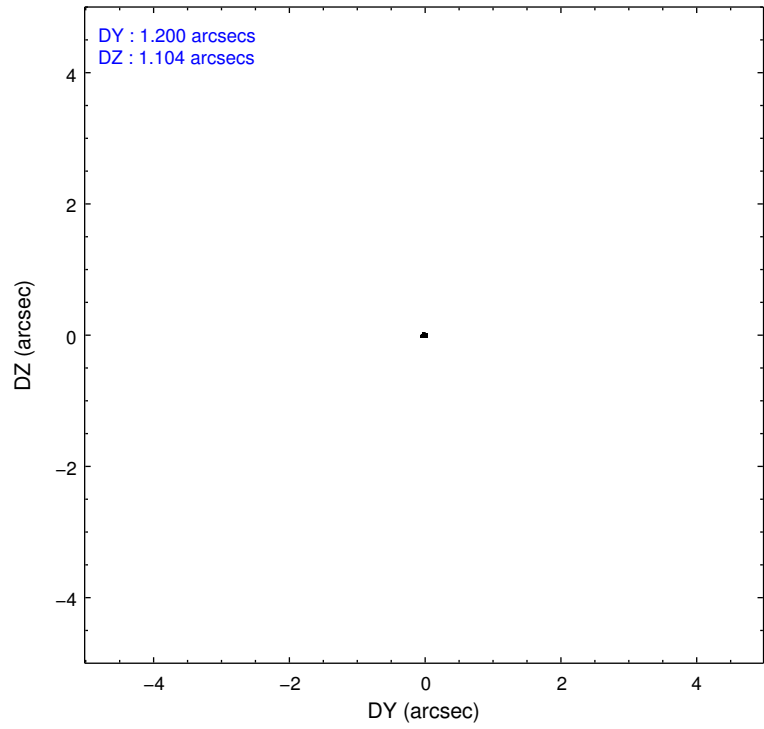
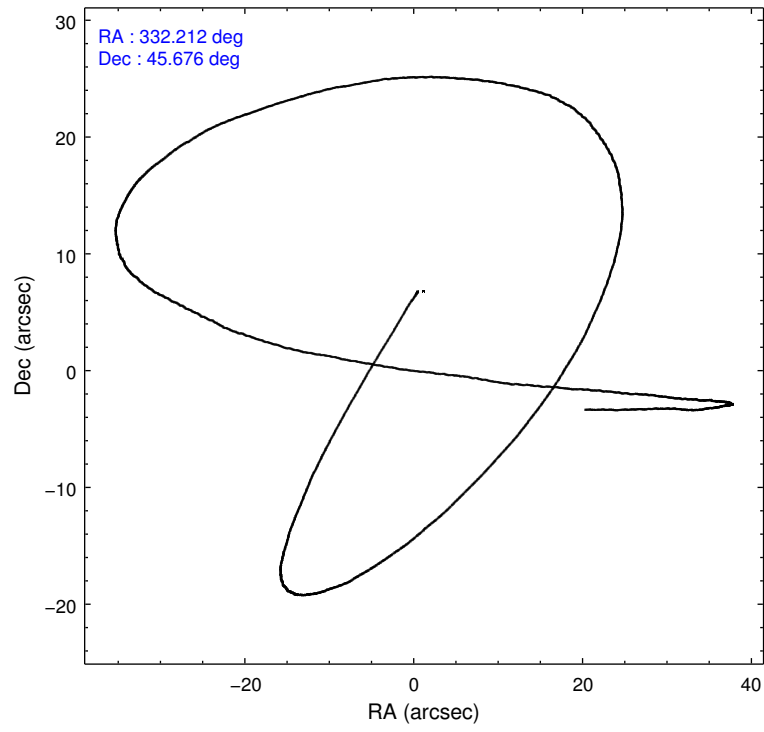
	<b>segment 0</b>
level 1 events	62112
rejected events	2607
rejected %	4%

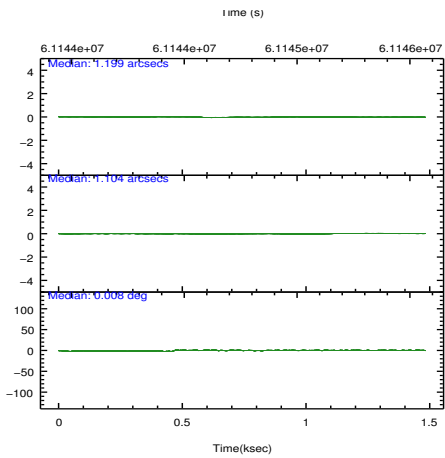
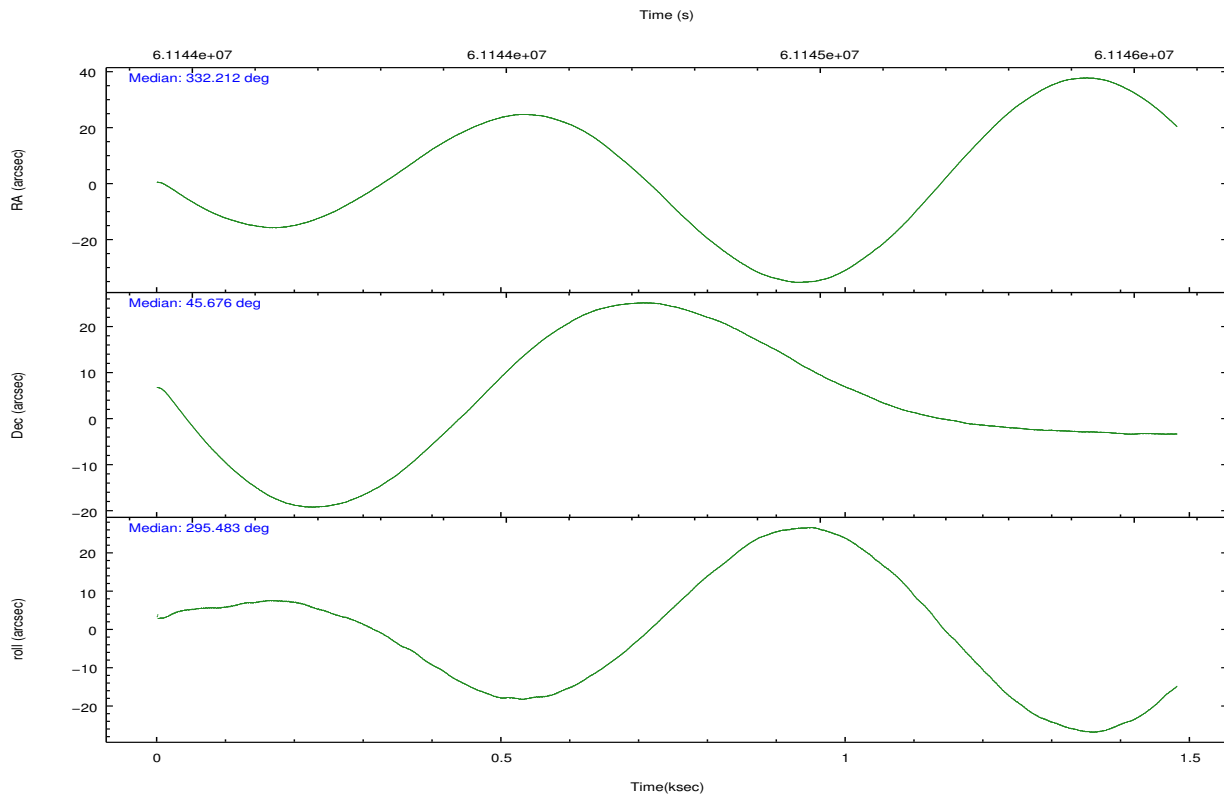
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	332.179182	332.212356165528
Pointing Dec	45.692838	45.67653476468563
Pointing Roll	295.614701	295.495505829887
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	61144499.184000	61143832.928051
Observation start date	1999-12-09T16:33:55	1999-12-09T16:23:52
Observation end time	61145499.184000	61145632.828116
Observation end date	1999-12-09T16:50:35	1999-12-09T16:53:52

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

## 2.3 Aspect



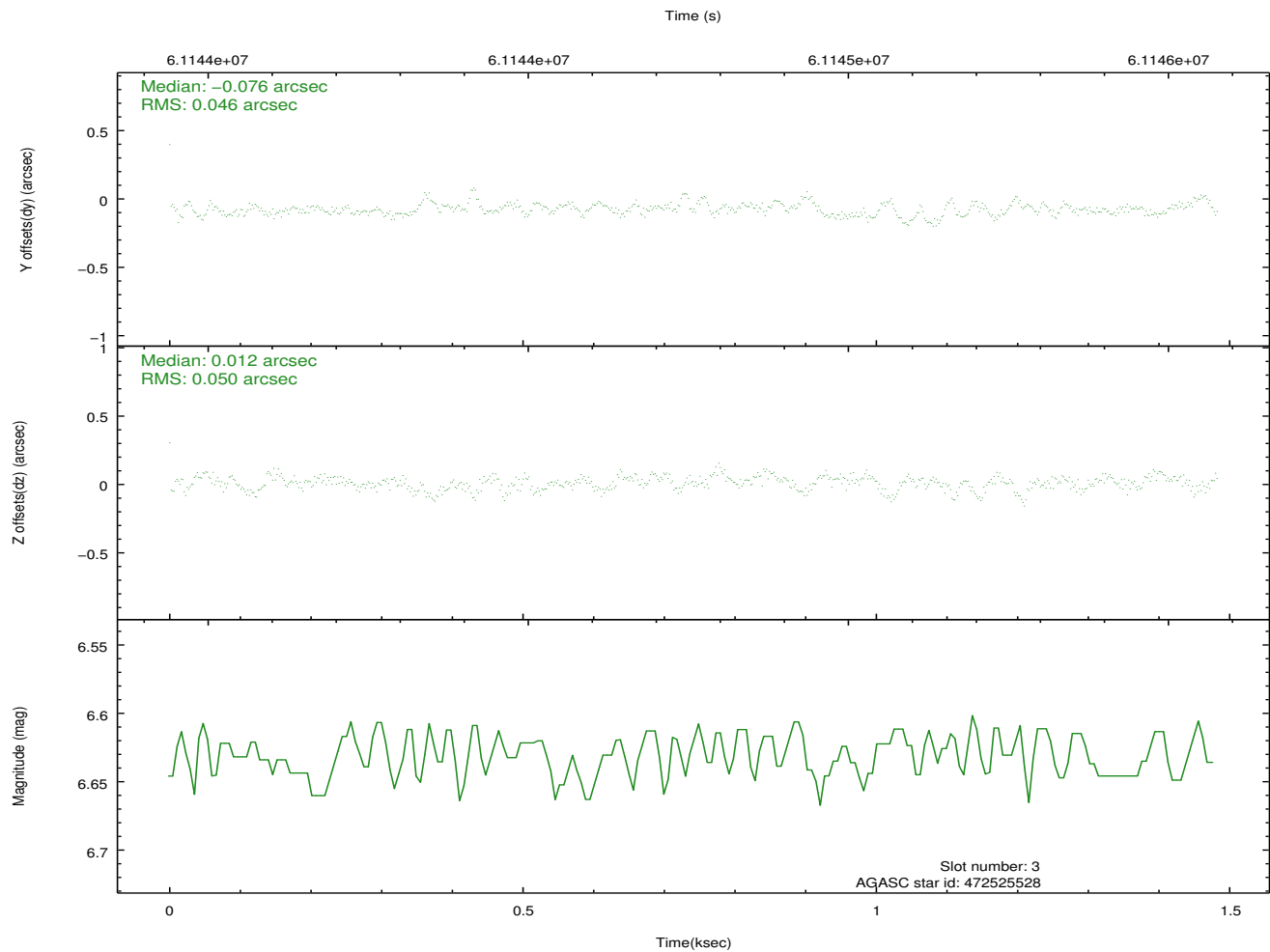
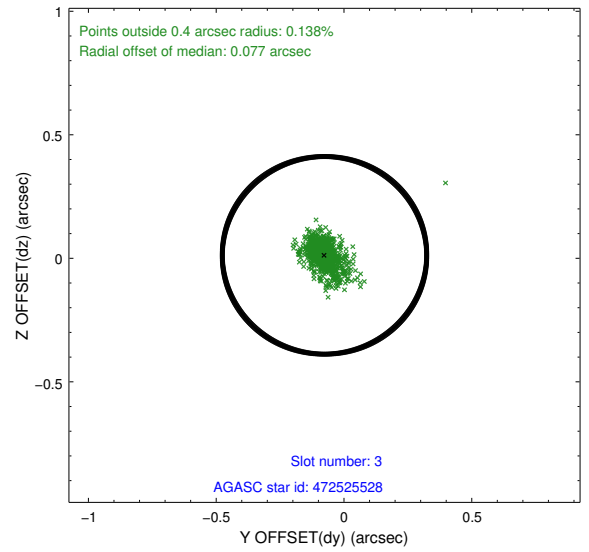
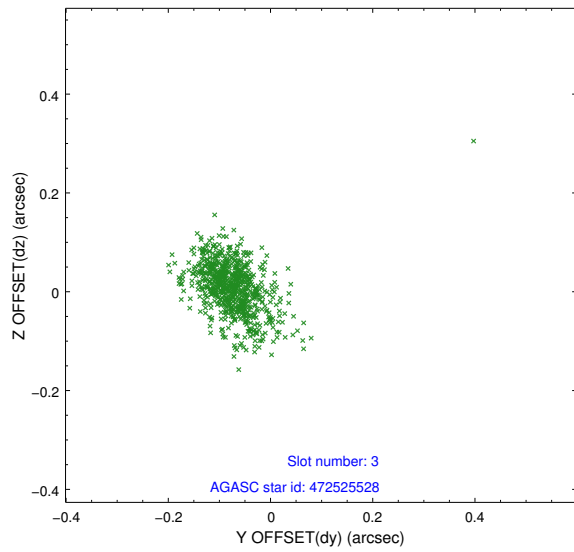


### Slot Statistics

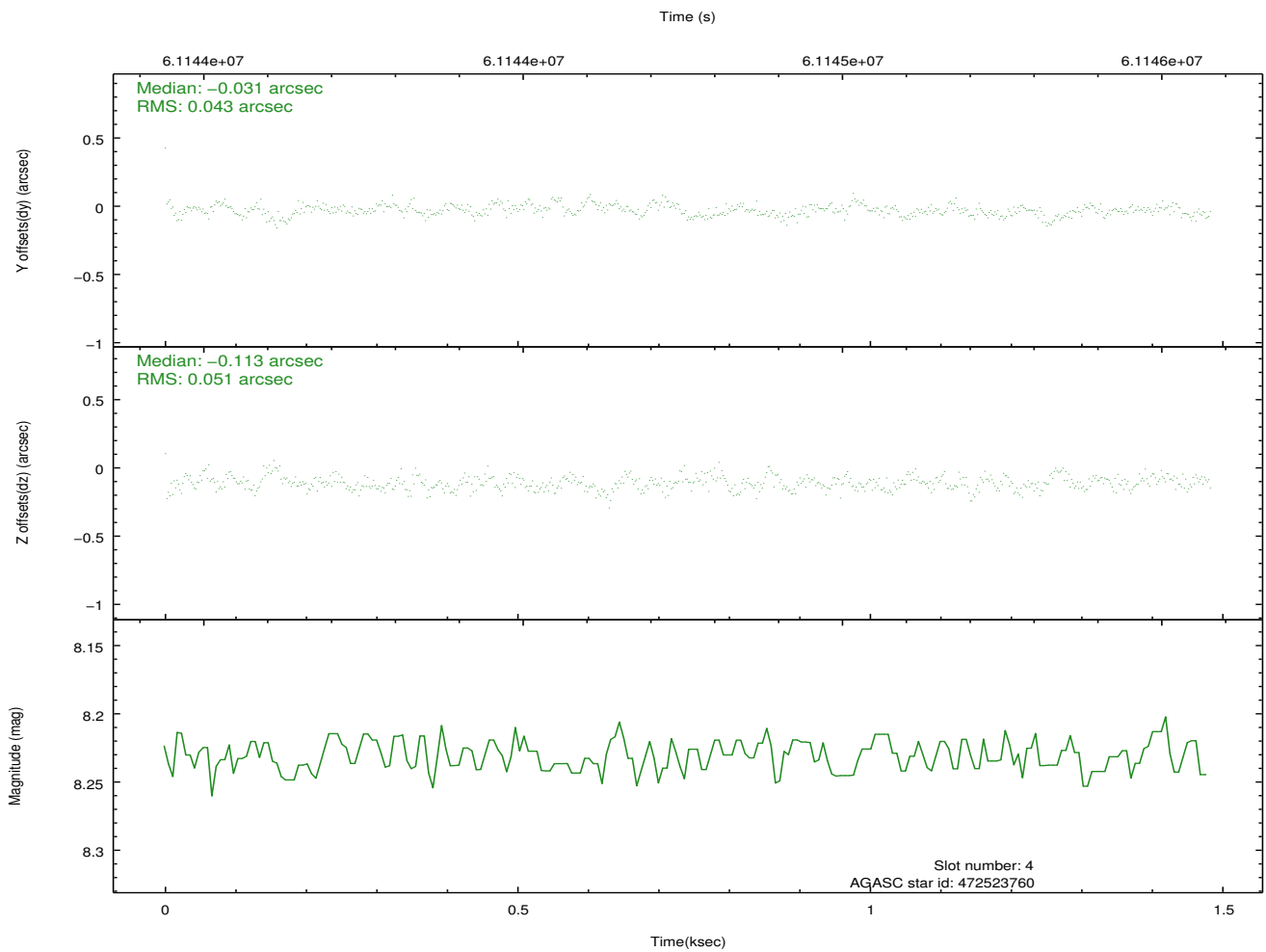
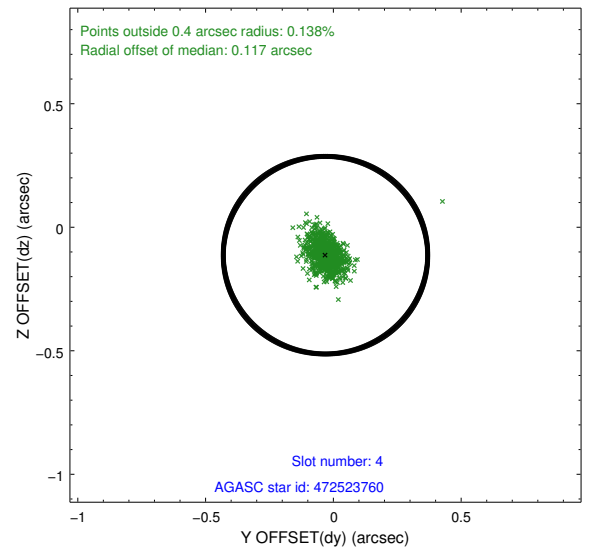
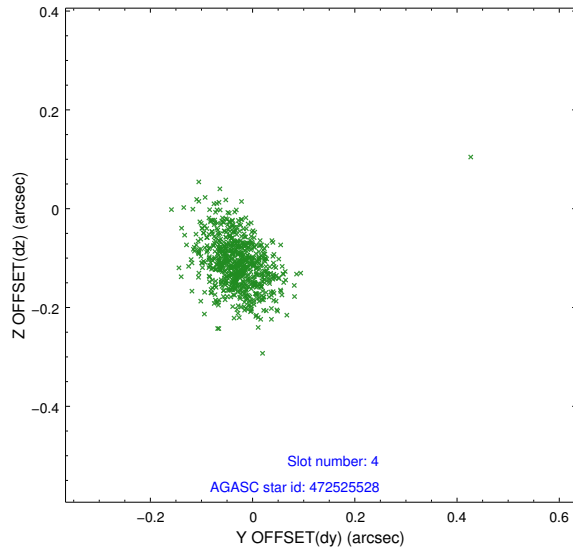
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	724	0.014	-0.046	0.008	0.013	0.000000	0.000000	-756.60	-1288.89
1	FID	HRC-I-3	7.04	724	0.050	-0.038	0.007	0.012	0.000000	0.000000	-1186.11	1013.90
2	FID	HRC-I-4	6.99	724	0.050	-0.006	0.008	0.012	0.000000	0.000000	1284.57	1014.74
3	GUIDE	472525528	6.63	724	-0.076	0.012	0.067	0.118	331.551102	45.248694	745.33	-2123.60
4	GUIDE	472523760	8.23	724	-0.031	-0.113	0.068	0.113	331.645363	45.403260	350.98	-1668.18
5	GUIDE	472665256	9.03	724	-0.106	-0.016	0.081	0.128	332.808125	46.195041	-961.45	2195.22
6	GUIDE	472659832	9.47	723	0.039	0.089	0.094	0.146	332.780399	46.098139	-676.74	1989.74
7	GUIDE	472655704	9.47	723	0.166	0.024	0.089	0.144	332.167195	45.285228	1306.39	-658.48

## 2.4 Star Slots

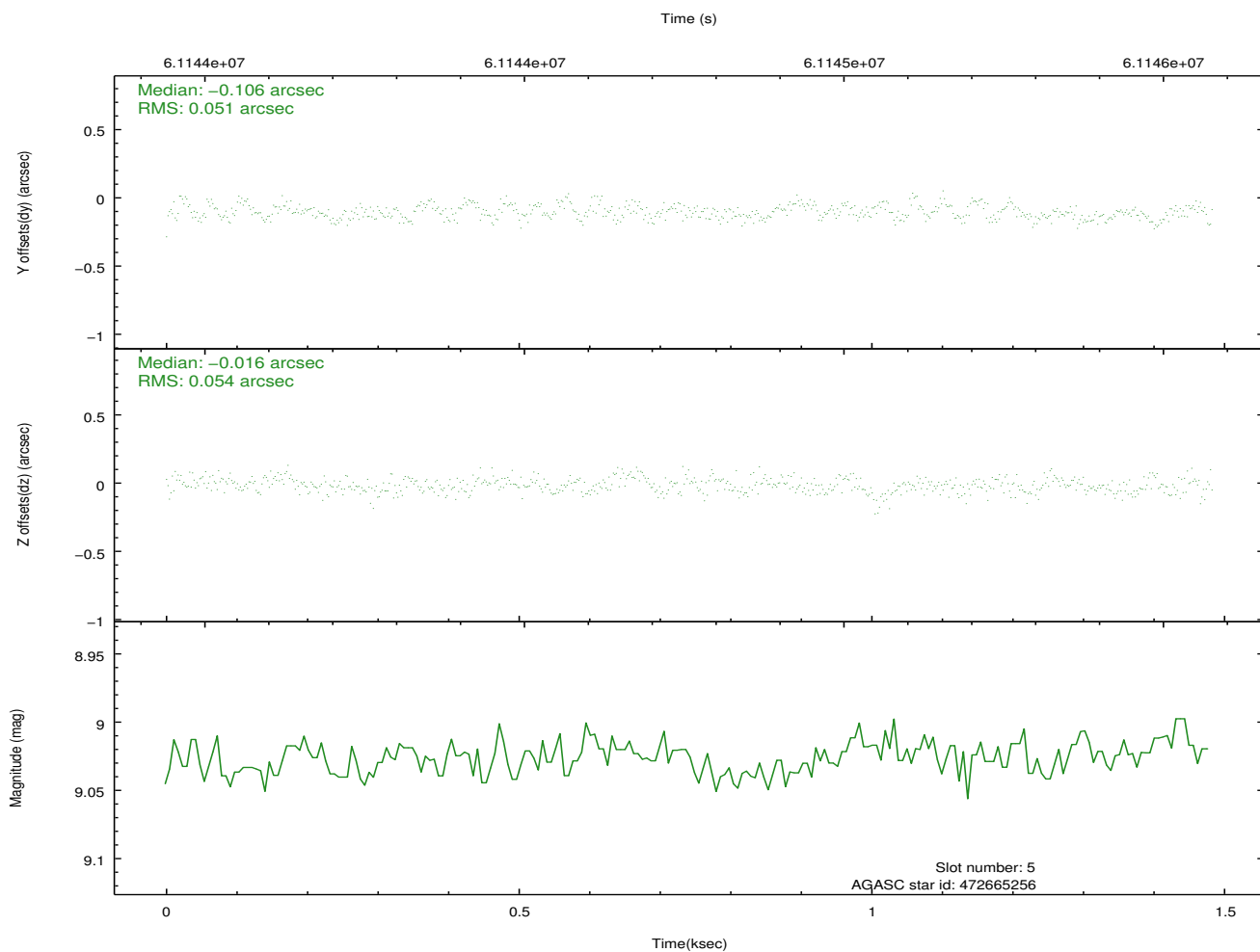
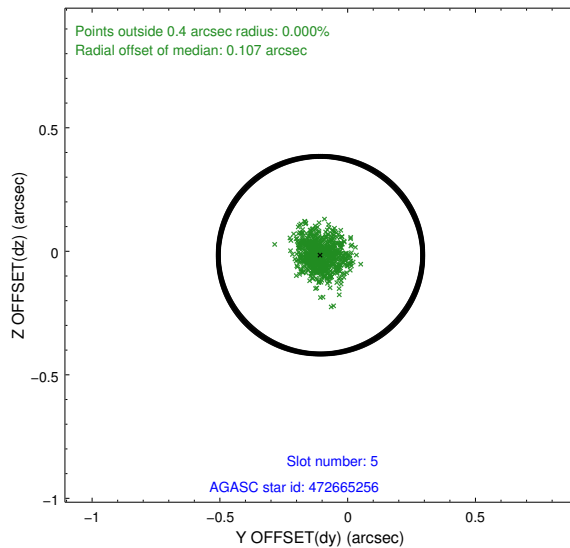
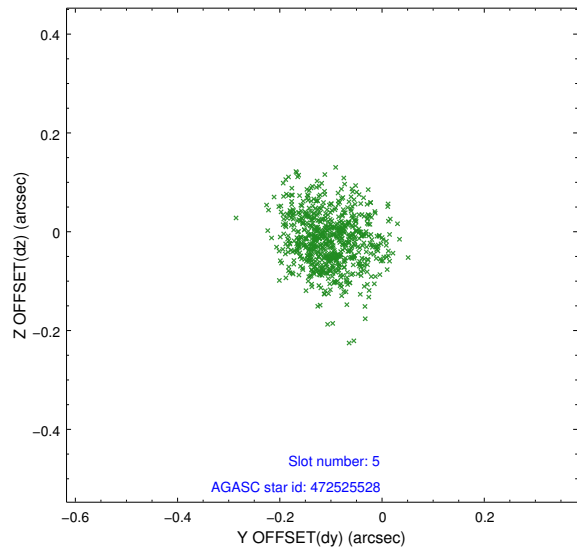
### 2.4.1 Slot 3



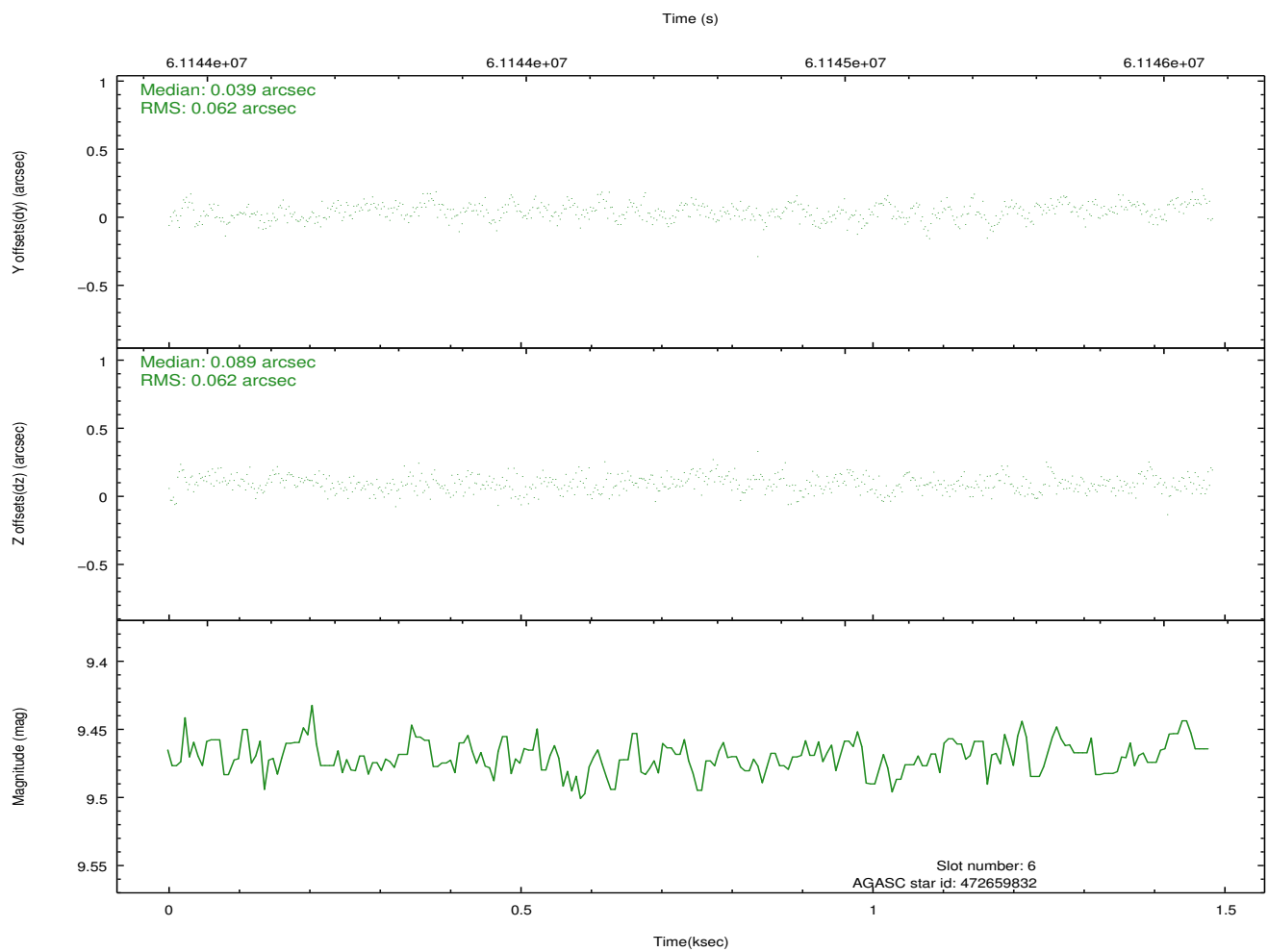
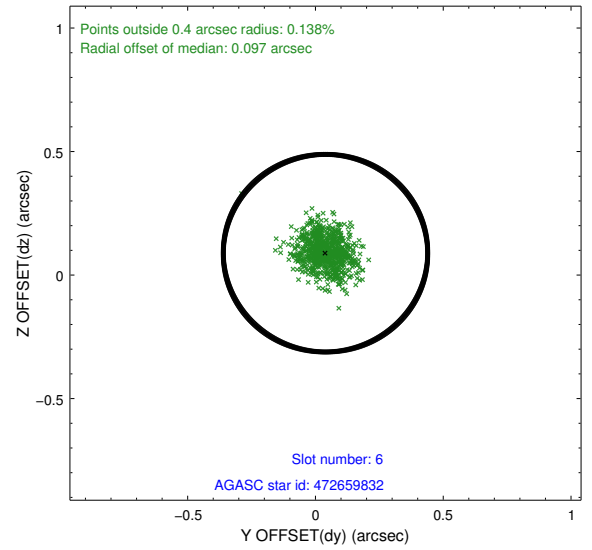
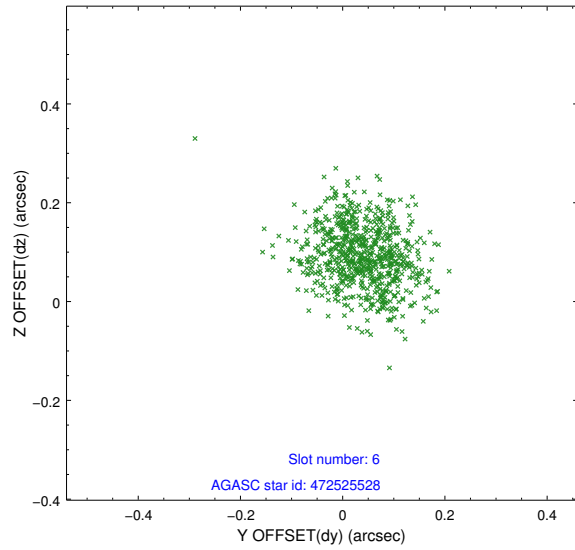
## 2.4.2 Slot 4



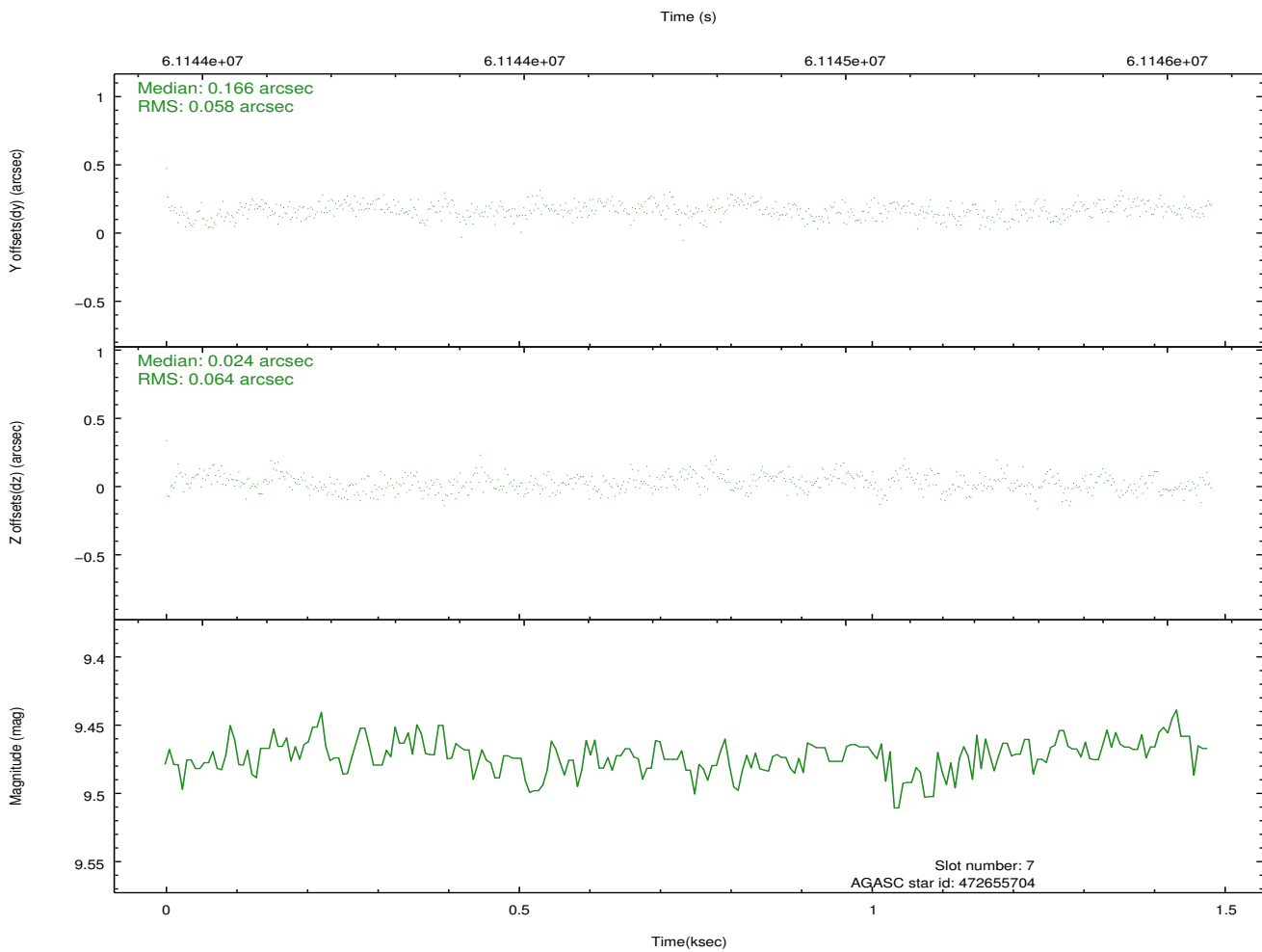
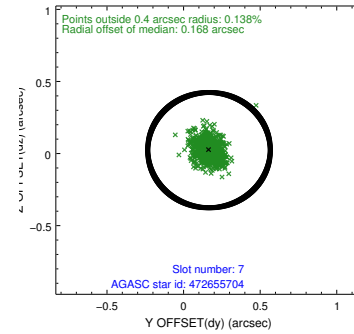
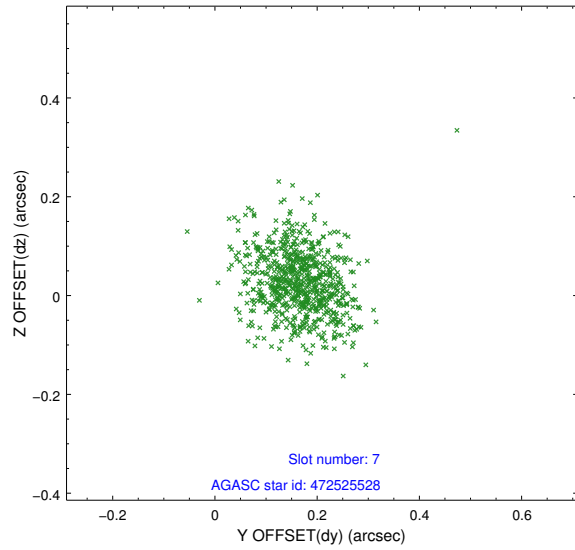
### 2.4.3 Slot 5



## 2.4.4 Slot 6

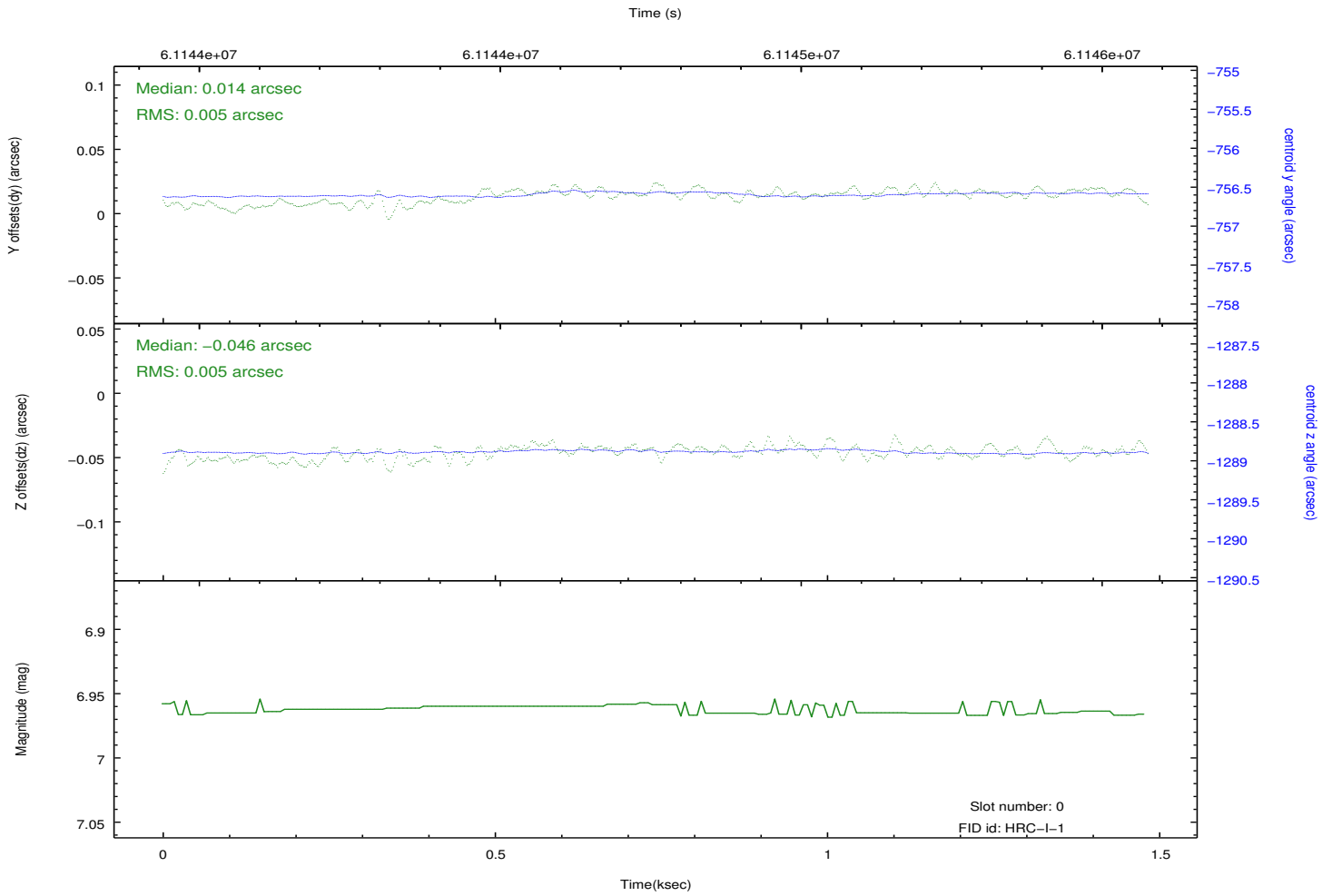
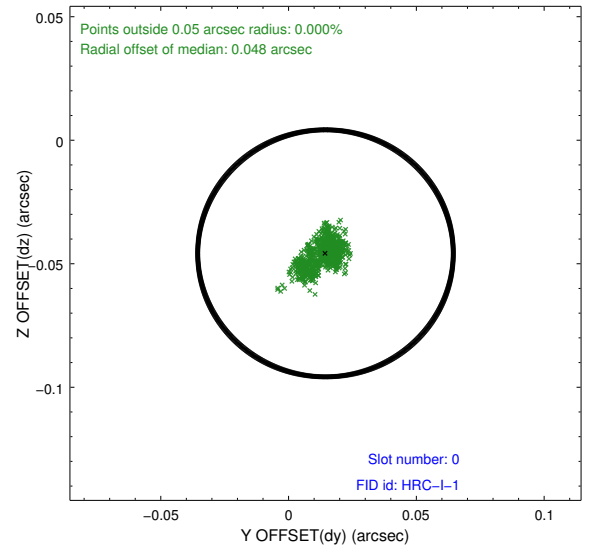
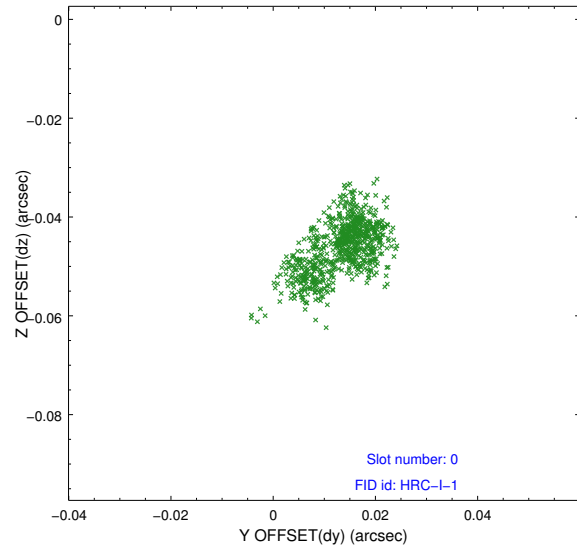


## 2.4.5 Slot 7

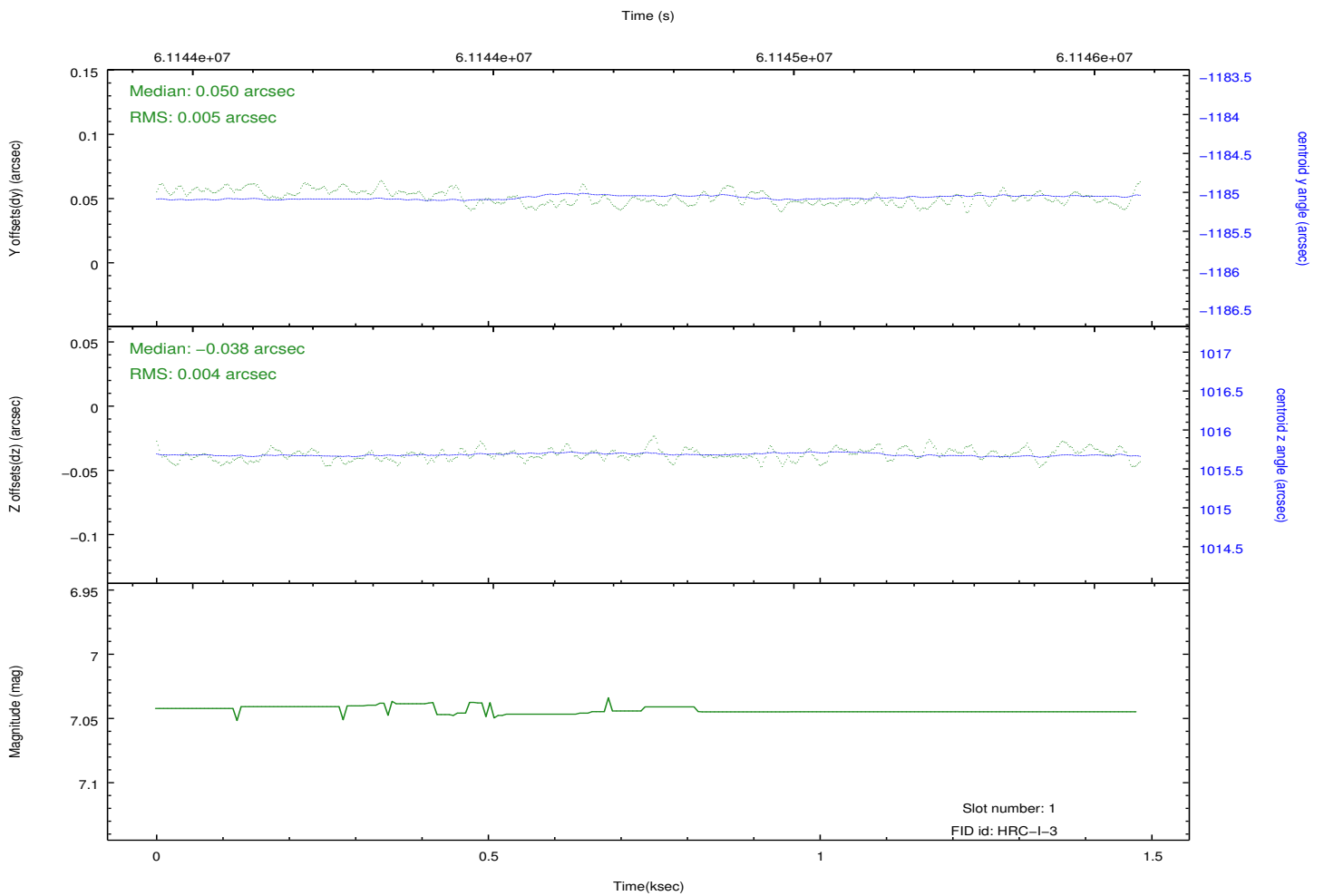
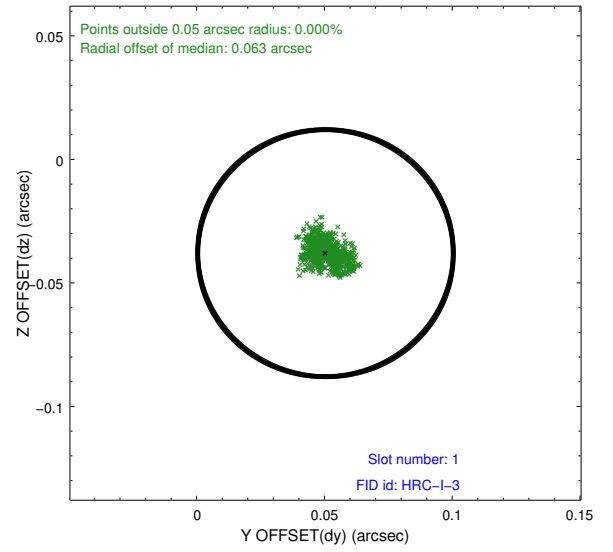
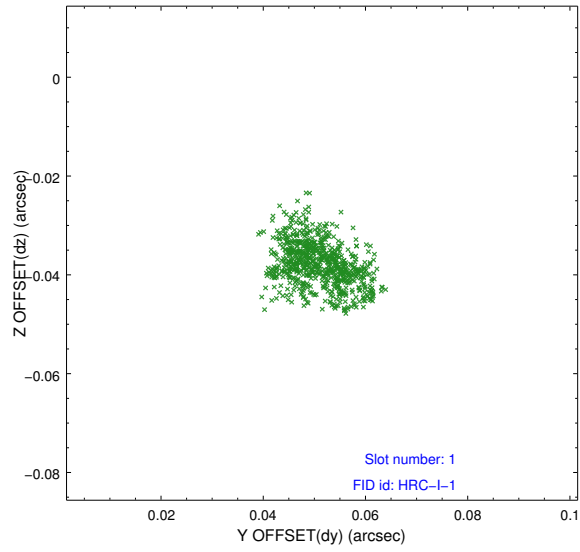


## 2.5 FID Slots

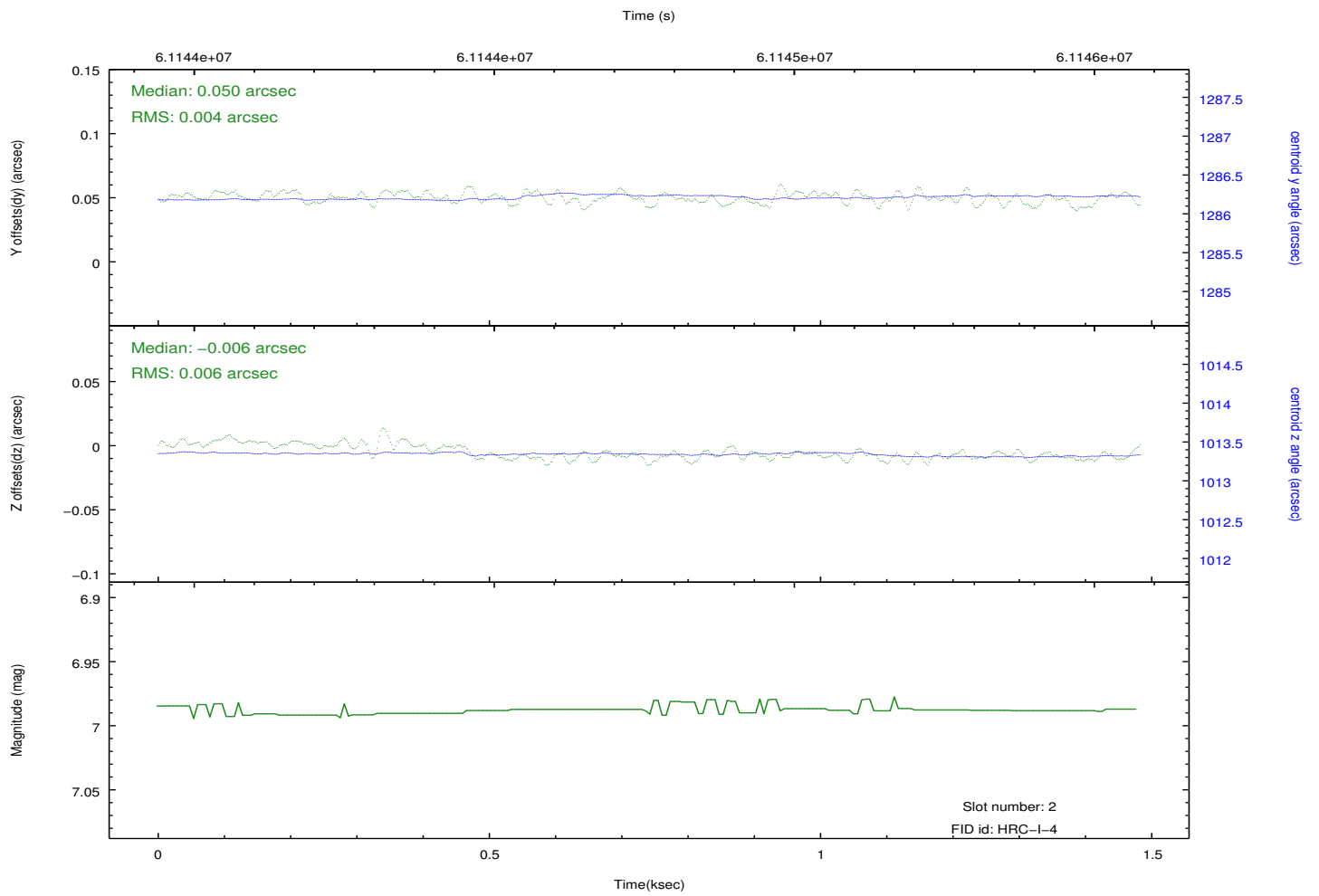
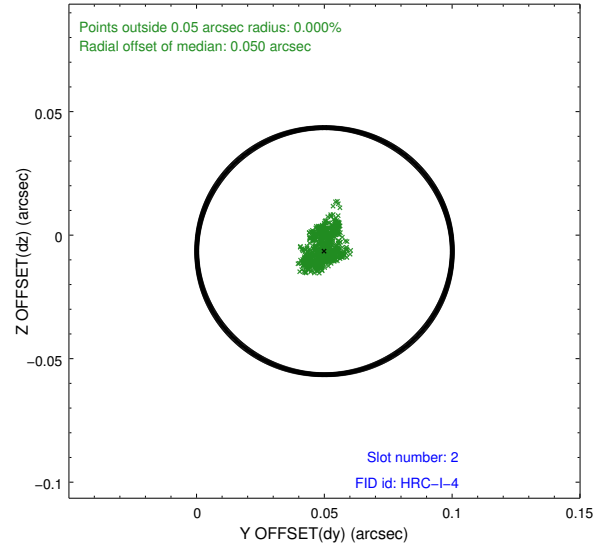
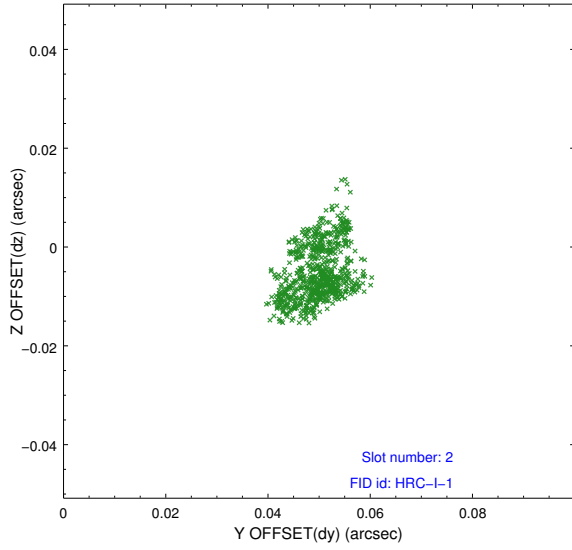
### 2.5.1 Slot 0



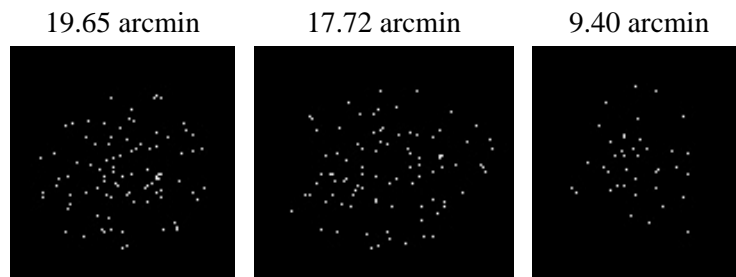
## 2.5.2 Slot 1



### 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	1.209

## A.2 Comments

Charge time for this ObsId remains at original value of 1.209 ksec, although with the current processing the charge time would have been 1.212 ksec.

HRC-I cal: ARLac for image blur