

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 1477 - L2 Version 4

Chandra X-Ray Center

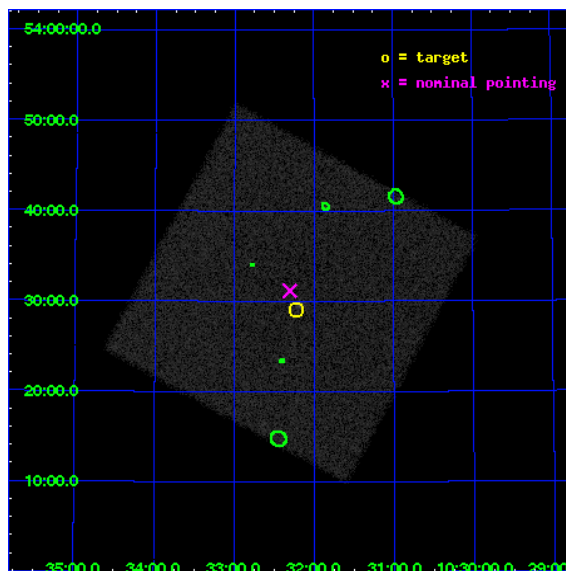
L2 Processing Date : Nov 24 2009

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Parameters . . . . .	4
2.1.3	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

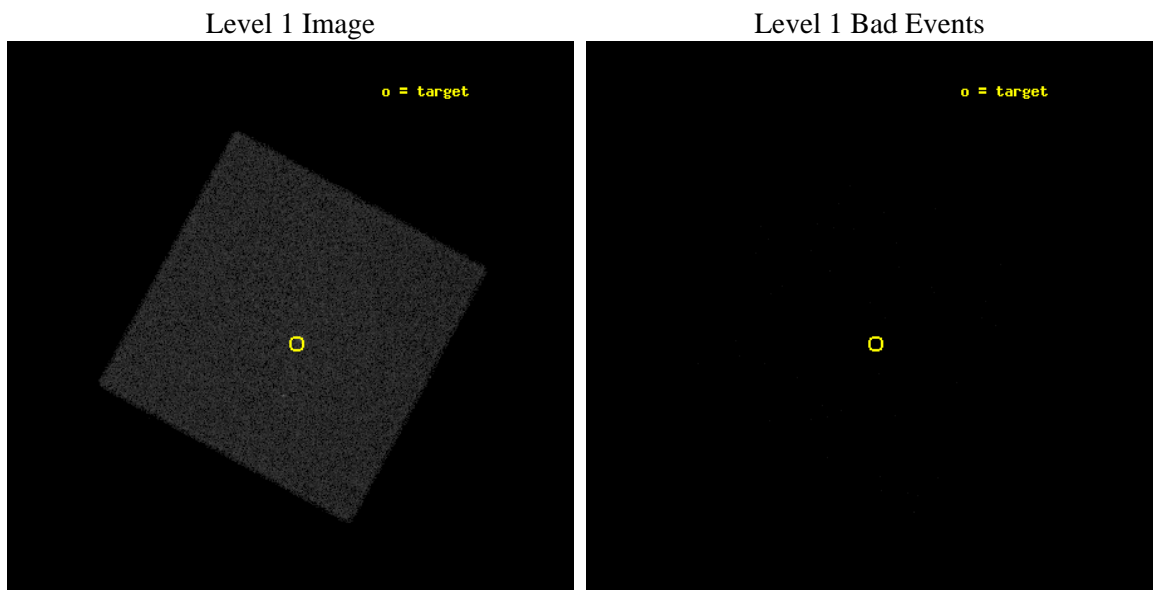
seq_num	290053	Sequence number
obs_id	1477	Observation id
title	OFF-AXIS PSF USING 2RE J1032+532	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	2REJ1032+532,YOFF=2	Source name
ra_targ	158.054167	Observer's specified target RA
dec_targ	53.483333	Observer's specified target Dec
ra_nom	158.07555401359	Nominal RA
dec_nom	53.519240978999	Nominal Dec
roll_nom	73.597123781971	Nominal Roll
revision	4	Processing version of data
ontime	3364.3063715771	[s]
livetime	3343.173965443	Ontime multiplied by DTCOR
l2events	105963	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	3000.000000	Scheduled observation exposure time
ascdsver	8.1.1	Processing system revision	ontime	3364.3063715771	[s]
caldbver	4.1.4	&#160	l1events	161556	Number of level 1 events
date	2009-11-24T15:25:46	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

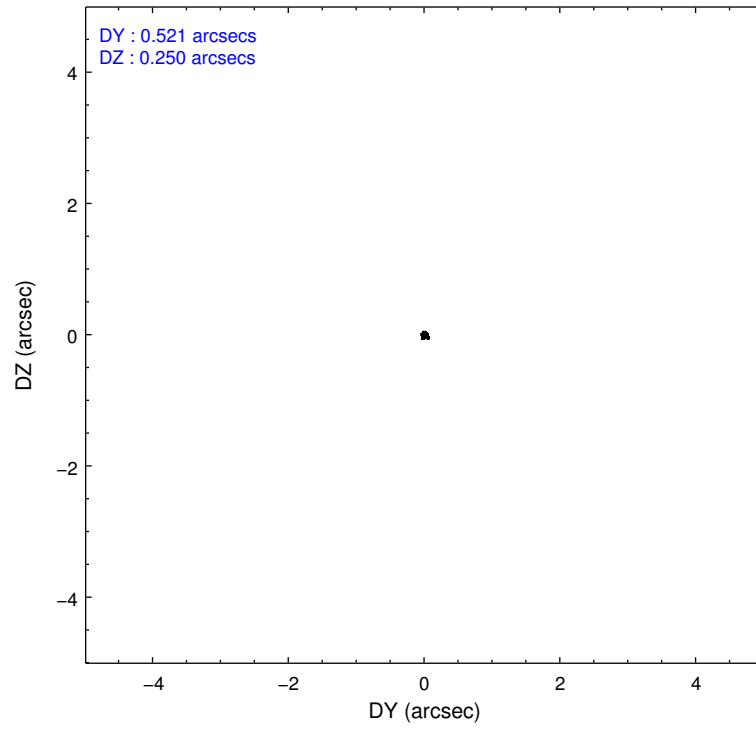
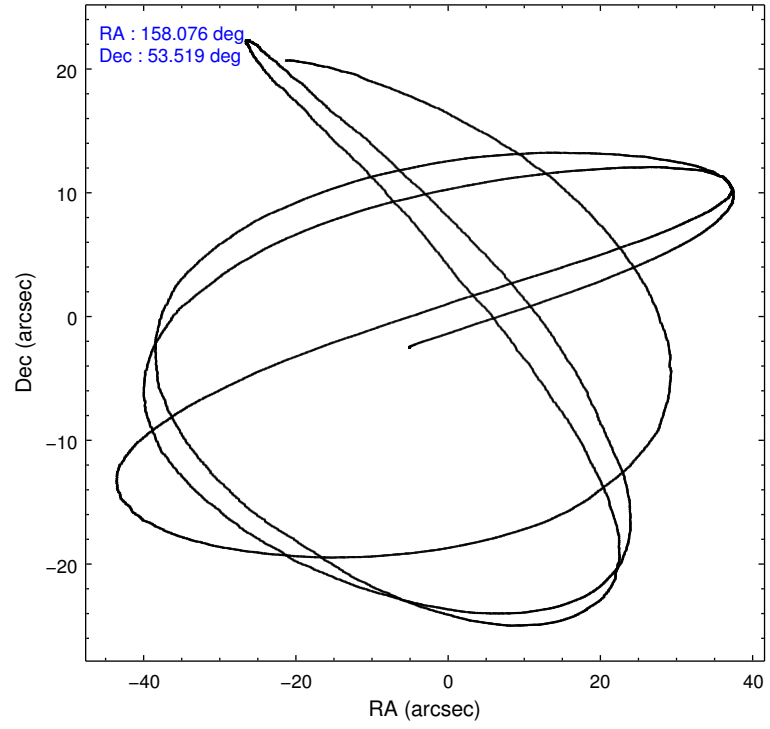
	<b>segment 0</b>
level 1 events	161556
rejected events	2440
rejected %	1%

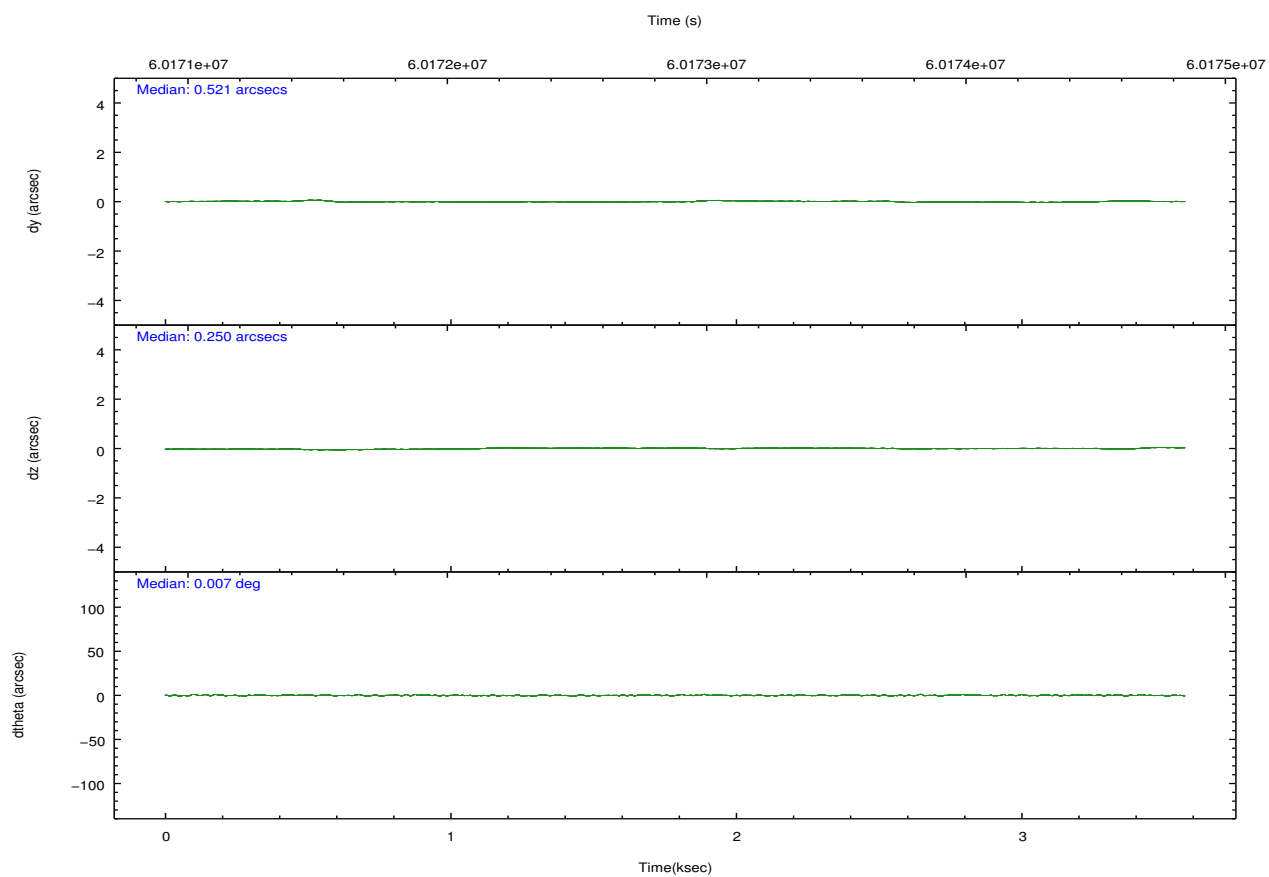
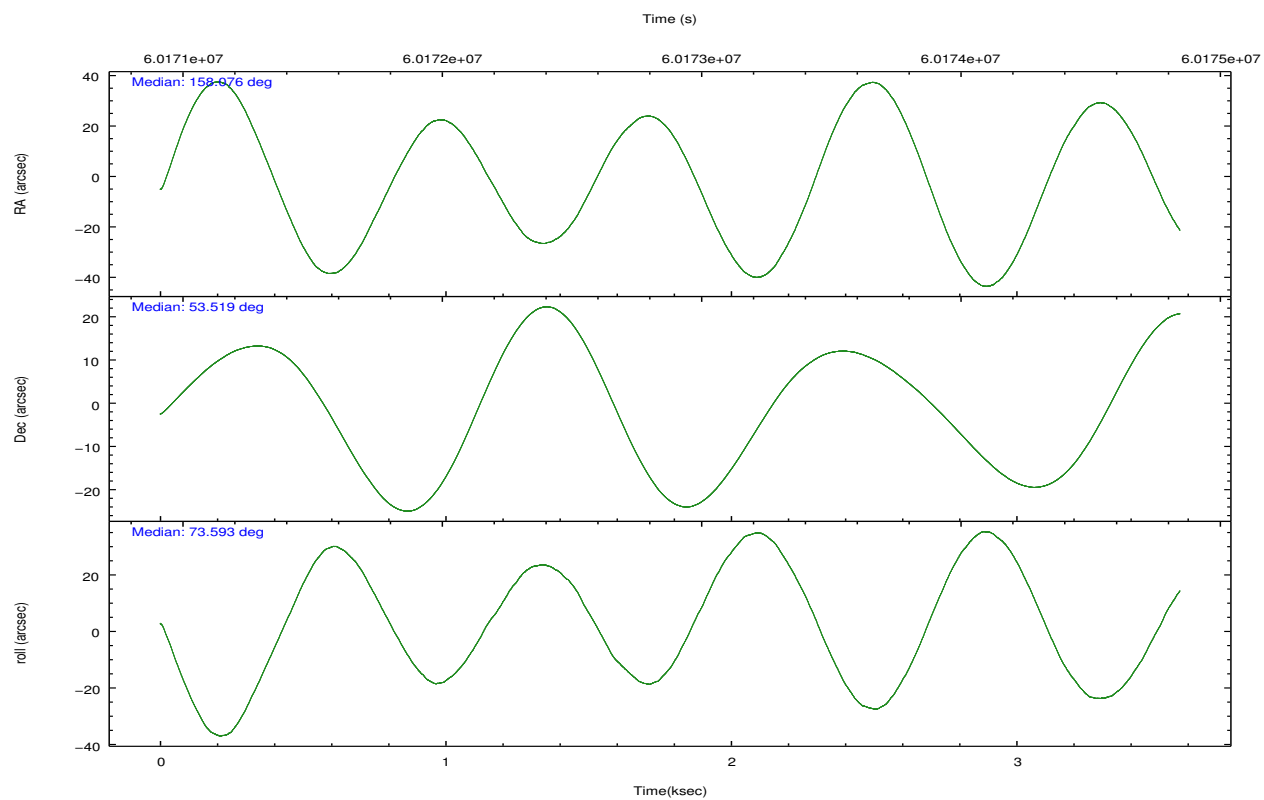


## 2.2 Compared Parameters

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	158.086051	158.0755540135899			
Pointing Dec	53.492366	53.51924097899877			
Pointing Roll	73.684159	73.59712378197133			
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	60171575.184000	60170909.042857			
Observation start date	1999-11-28T10:18:31	1999-11-28T10:08:29			
Observation end time	60174575.184000	60175451.330521			
Observation end date	1999-11-28T11:08:31	1999-11-28T11:24:11			

## 2.3 Aspect



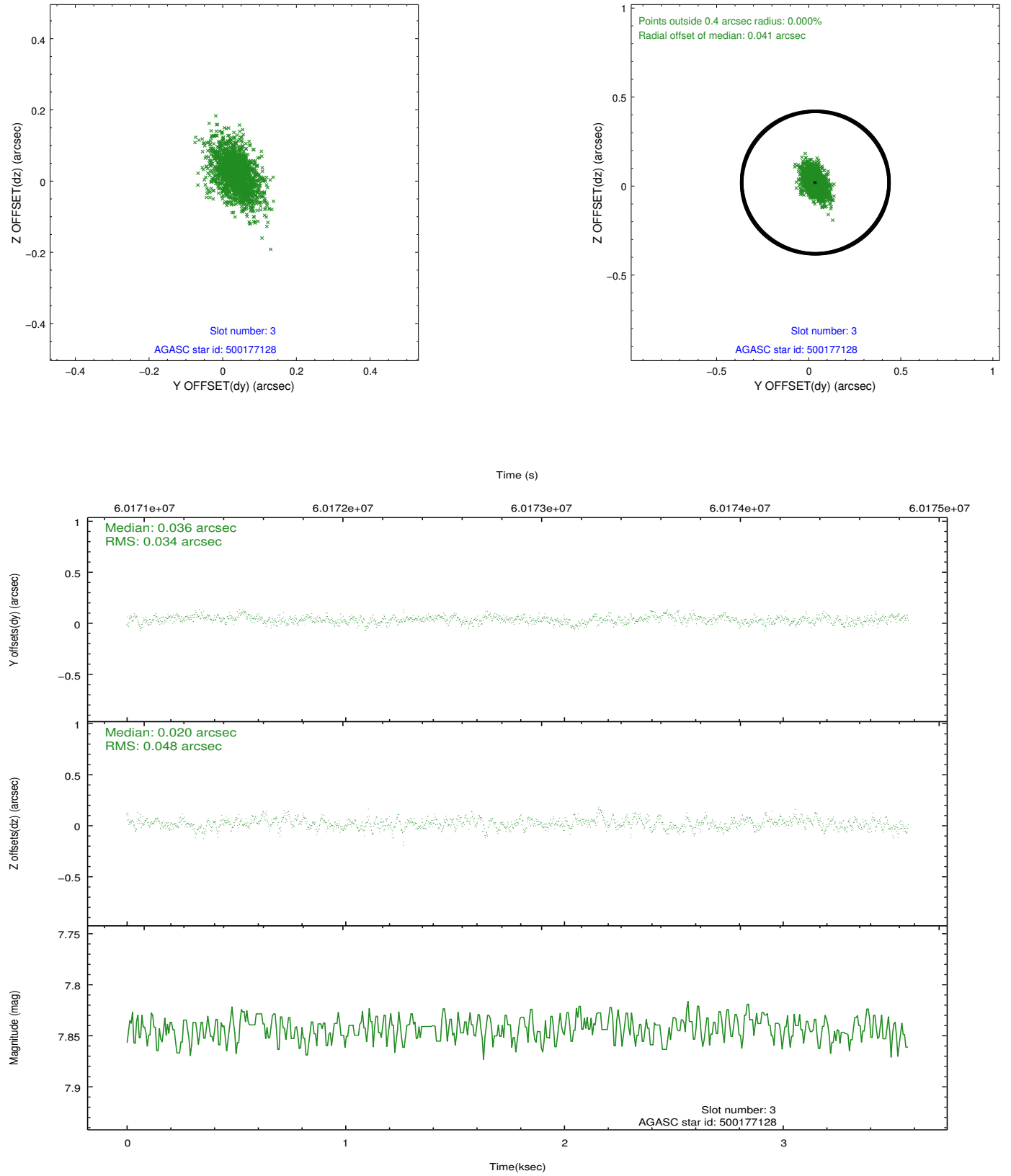


Slot Statistics

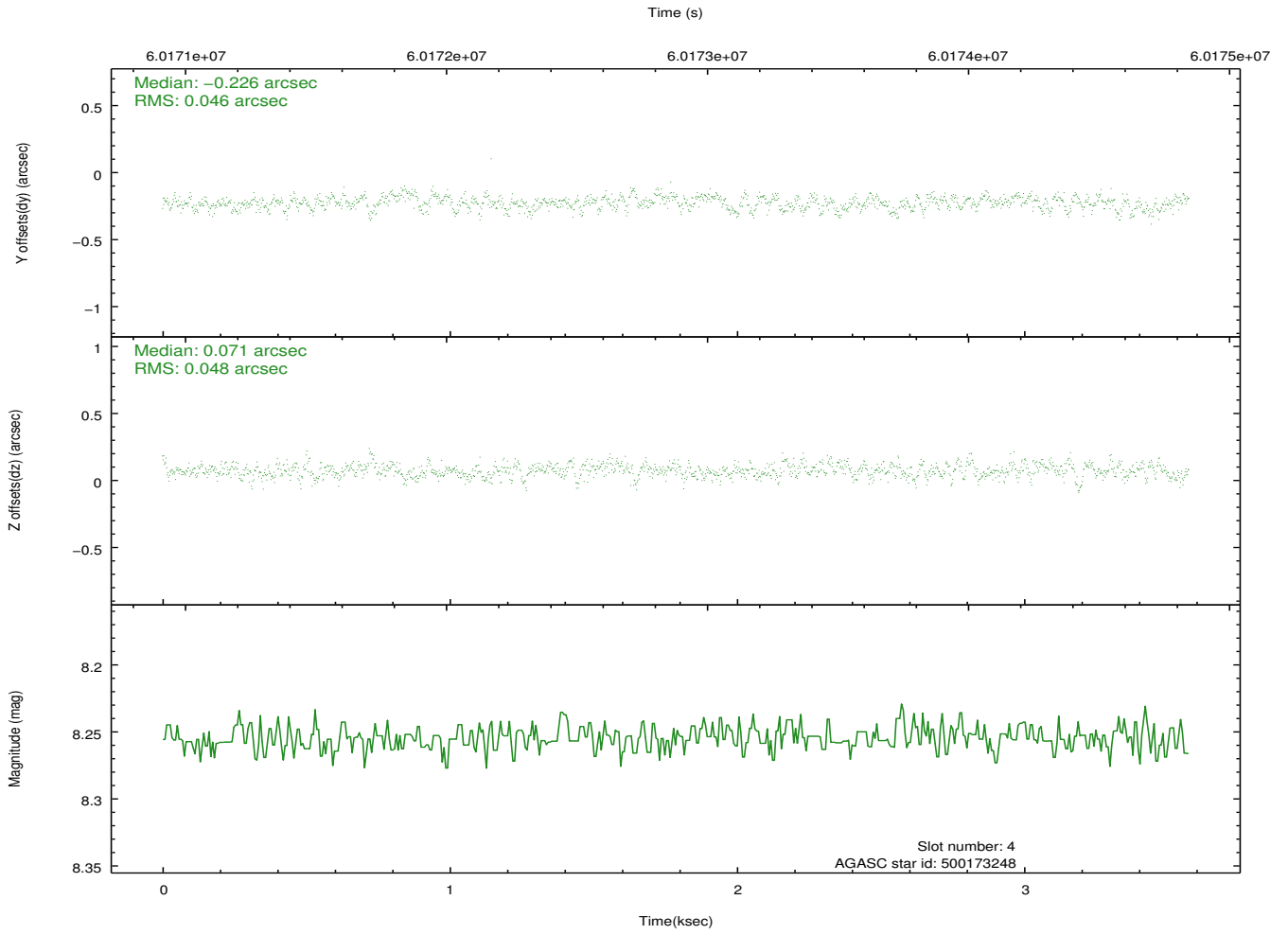
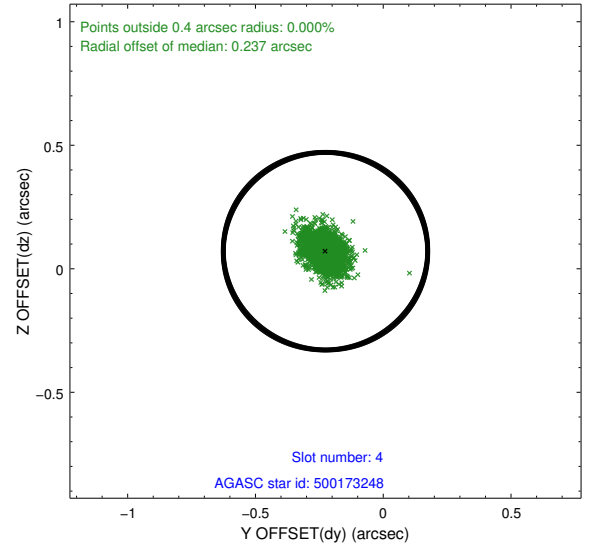
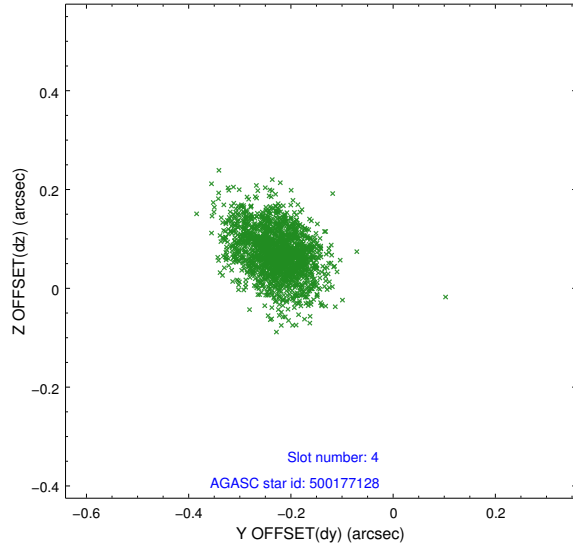
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	1744	0.005	-0.013	0.006	0.010	0.000000	0.000000	-755.89	-1287.98
1	FID	HRC-I-3	7.05	1744	0.049	-0.073	0.006	0.010	0.000000	0.000000	-1184.83	1015.77
2	FID	HRC-I-4	6.98	1744	0.059	-0.003	0.005	0.008	0.000000	0.000000	1286.21	1014.83
3	GUIDE	500177128	7.84	1744	0.036	0.020	0.060	0.106	158.210933	53.586826	401.43	-159.34
4	GUIDE	500173248	8.26	1744	-0.226	0.071	0.069	0.117	158.840876	53.953250	2049.63	-1064.90
5	GUIDE	500171344	8.42	1744	0.081	-0.008	0.070	0.118	158.404020	53.216809	-756.90	-935.61
6	GUIDE	500171736	8.78	1741	0.075	0.027	0.071	0.120	158.648618	53.141434	-867.07	-1518.87
7	GUIDE	500180056	9.68	1741	0.032	-0.112	0.101	0.171	157.587703	53.702330	429.96	1232.84

## 2.4 Star Slots

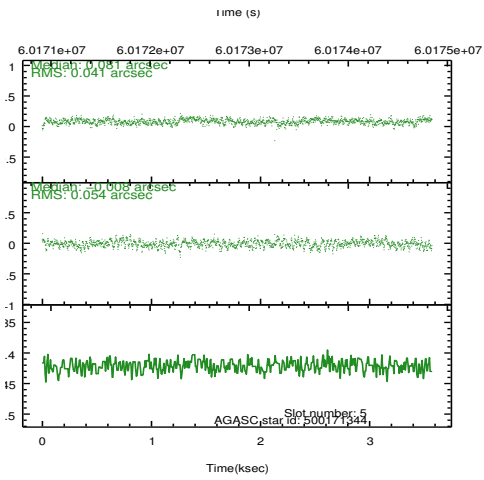
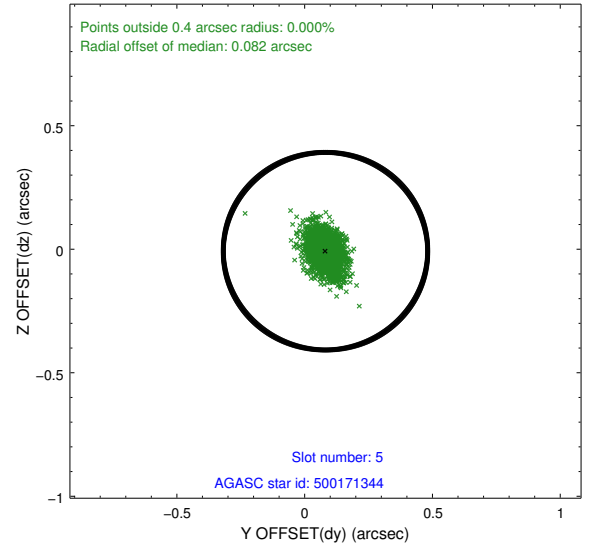
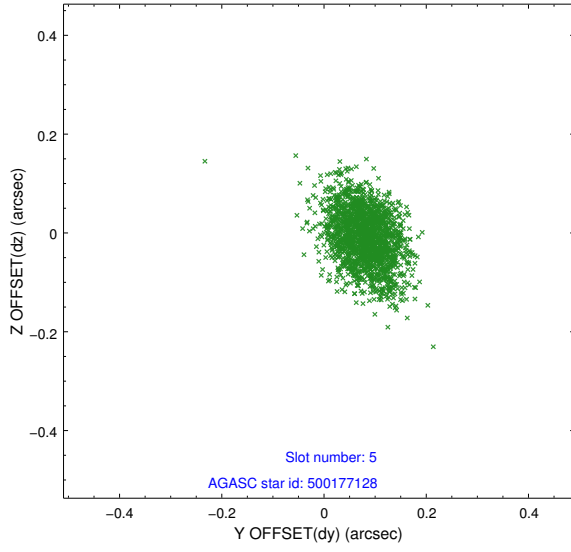
### 2.4.1 Slot 3



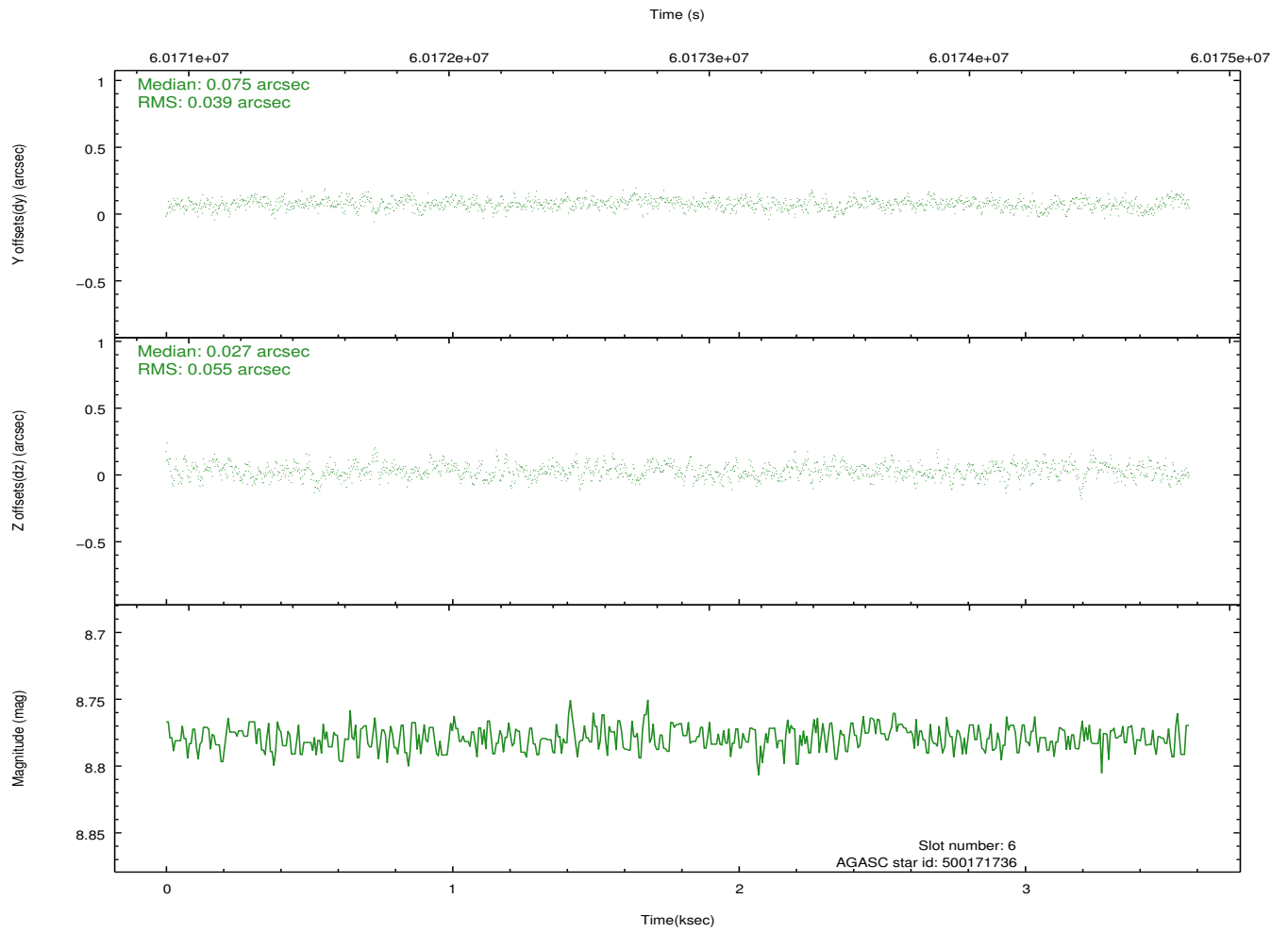
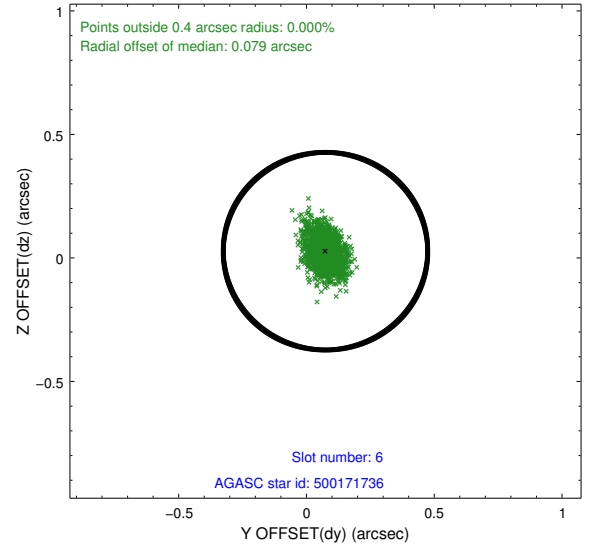
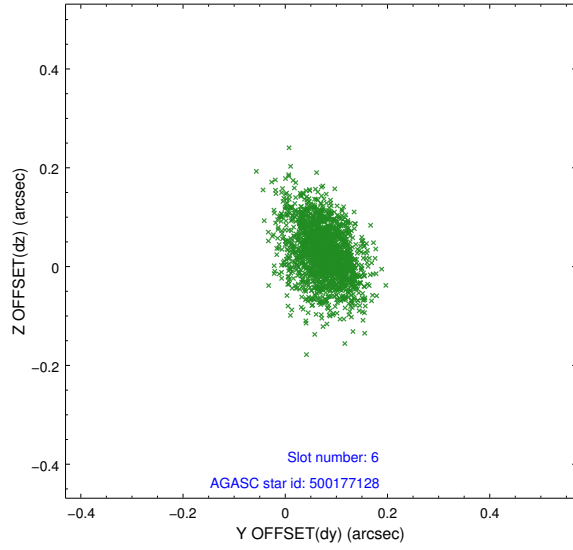
## 2.4.2 Slot 4



### 2.4.3 Slot 5

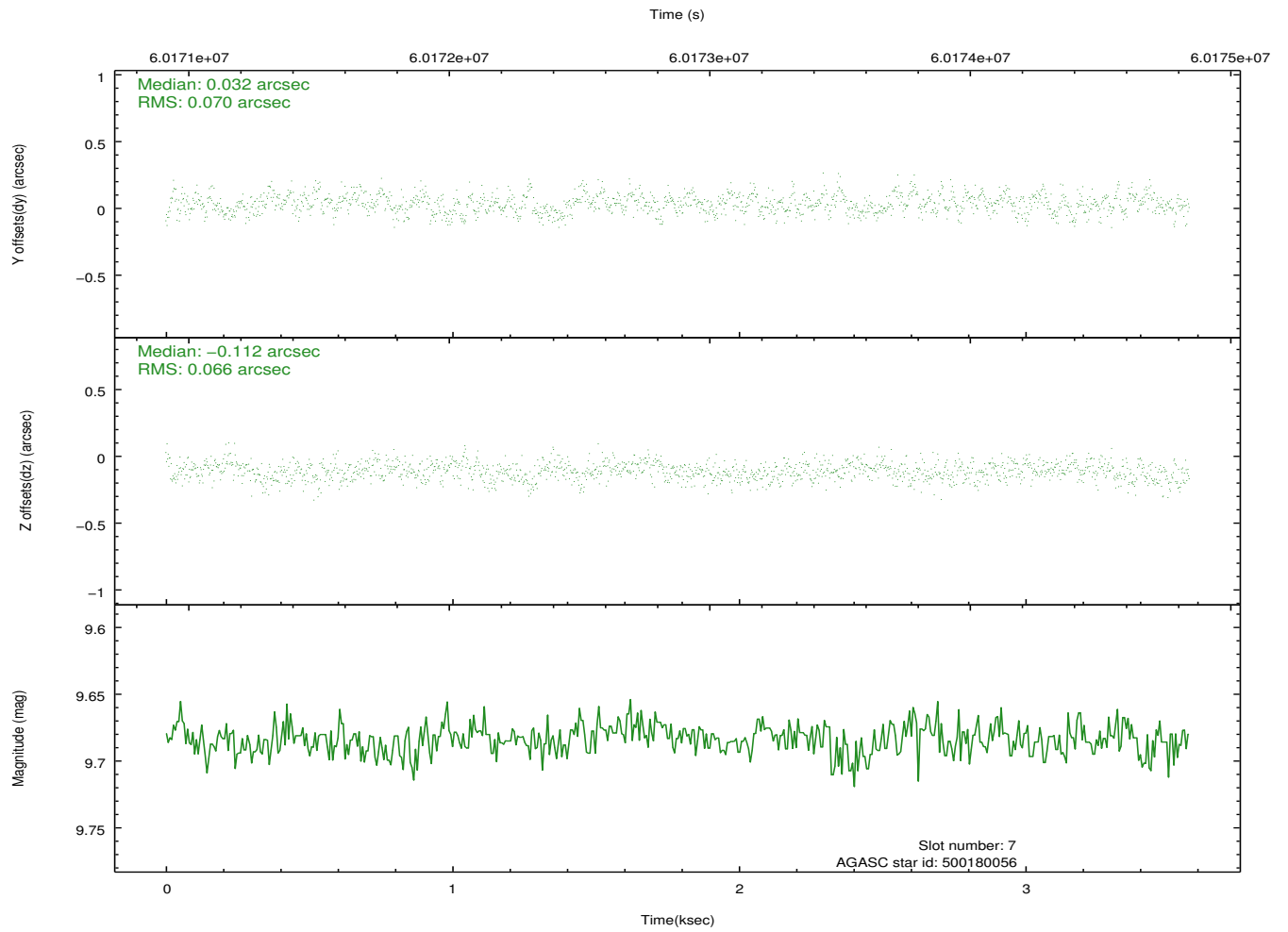
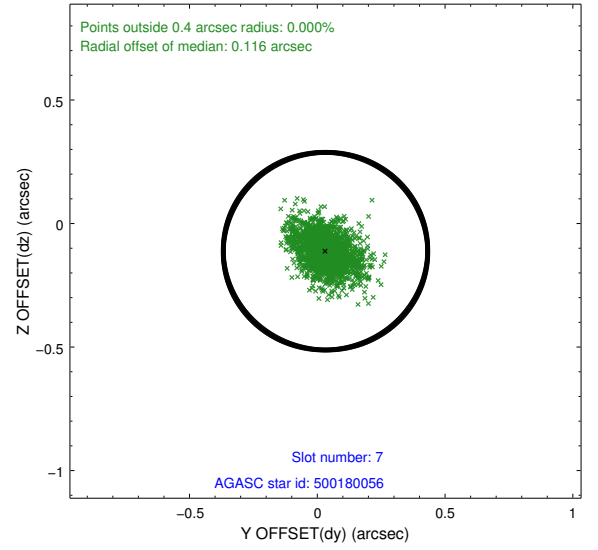
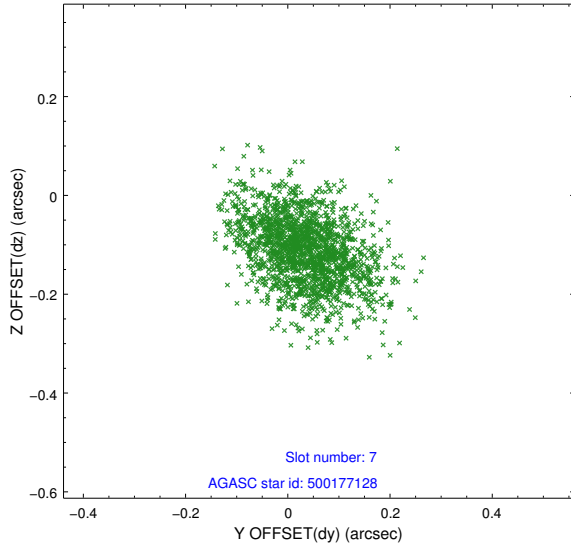


## 2.4.4 Slot 6



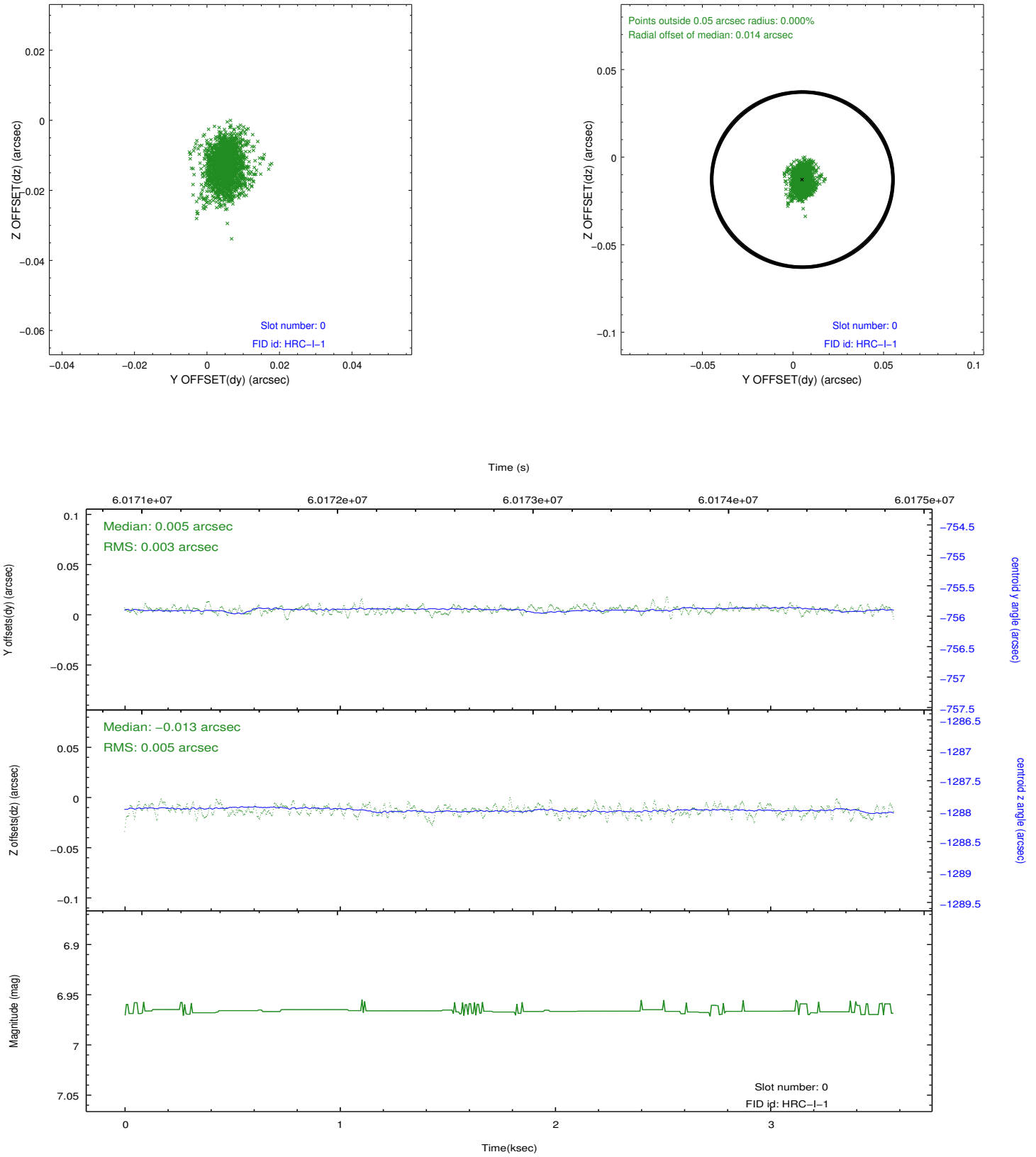


## 2.4.5 Slot 7

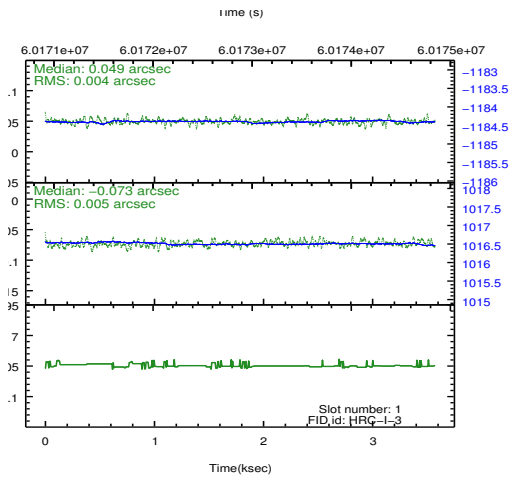
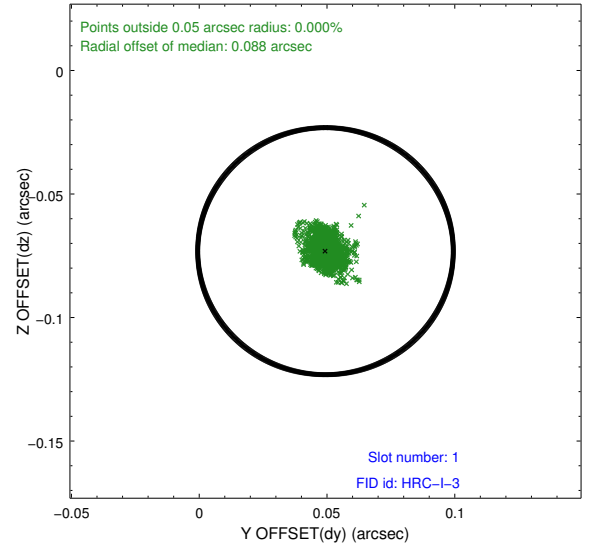
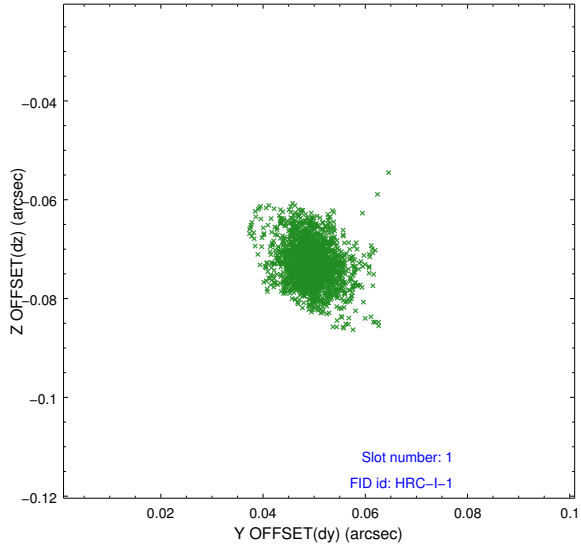


## 2.5 FID Slots

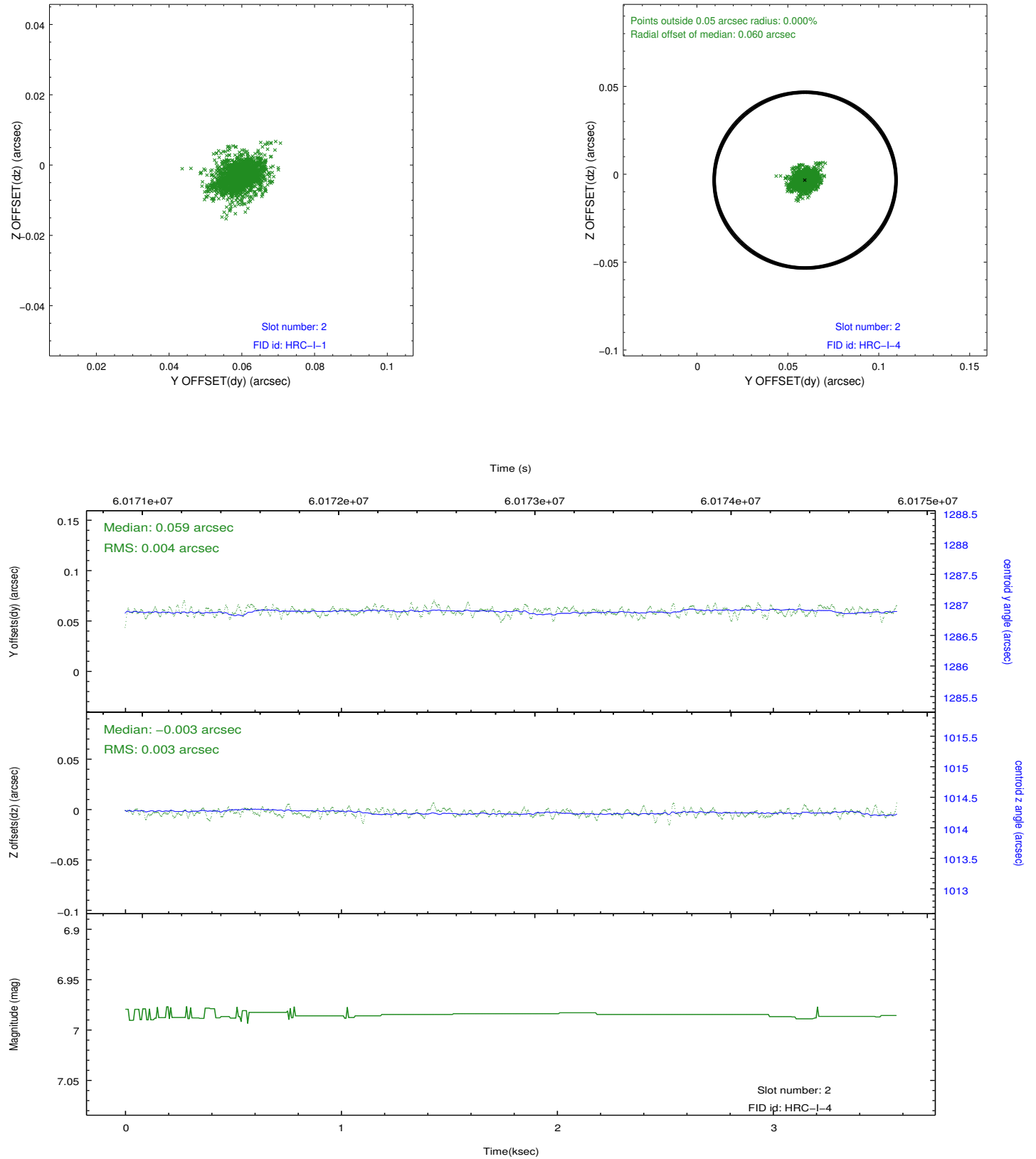
### 2.5.1 Slot 0



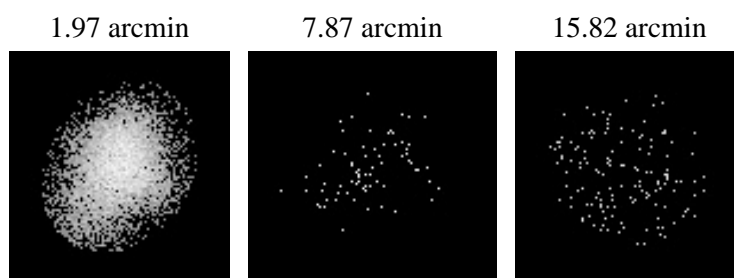
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.364

## A.2 Comments

HRC-I PSF calibration