

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 2887 - L2 Version 3  
Chandra X-Ray Center

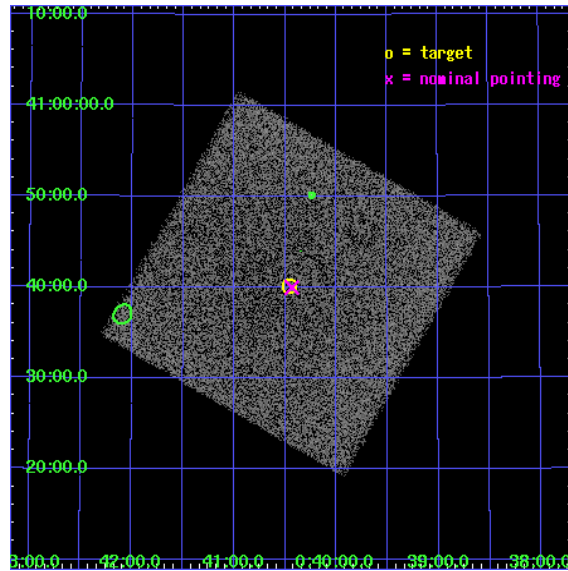
L2 Processing Date : Nov 20 2007

## 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

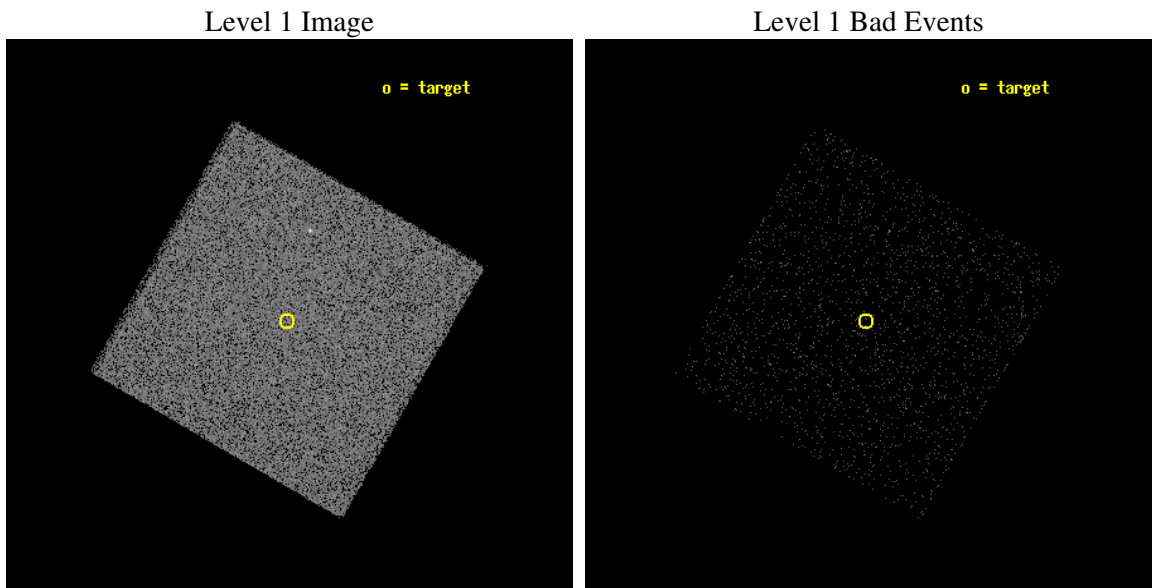
seq_num	600224
obs_id	2887
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST
observer	Dr. MICHAEL GARCIA
object	M31-S2
ra_targ	10.112917
dec_targ	40.67
ra_nom	10.108158693916
dec_nom	40.666620744493
roll_nom	254.96142941957
revision	3
ontime	983.23128929734
livetime	974.54605923052
l2events	56861



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-20T20:10:13
revision	3

sched_exp_time	1000.000000
ontime	983.23128929734
l1events	106246

### 2.1.3 Events

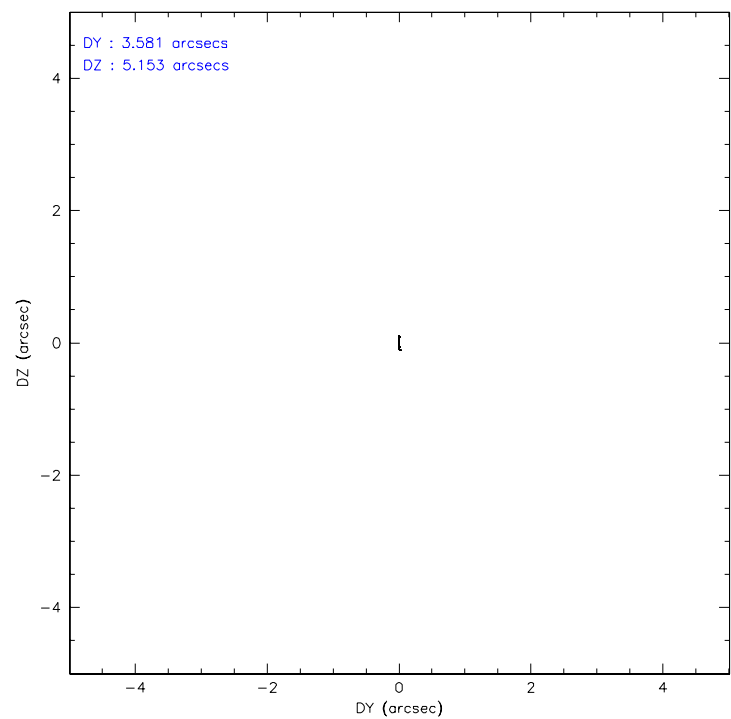
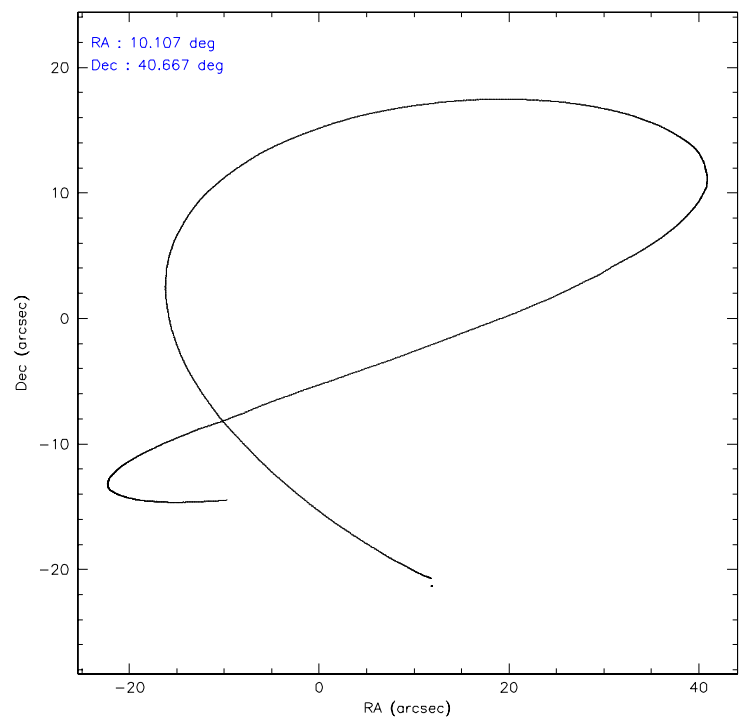
#### Level 1 Events

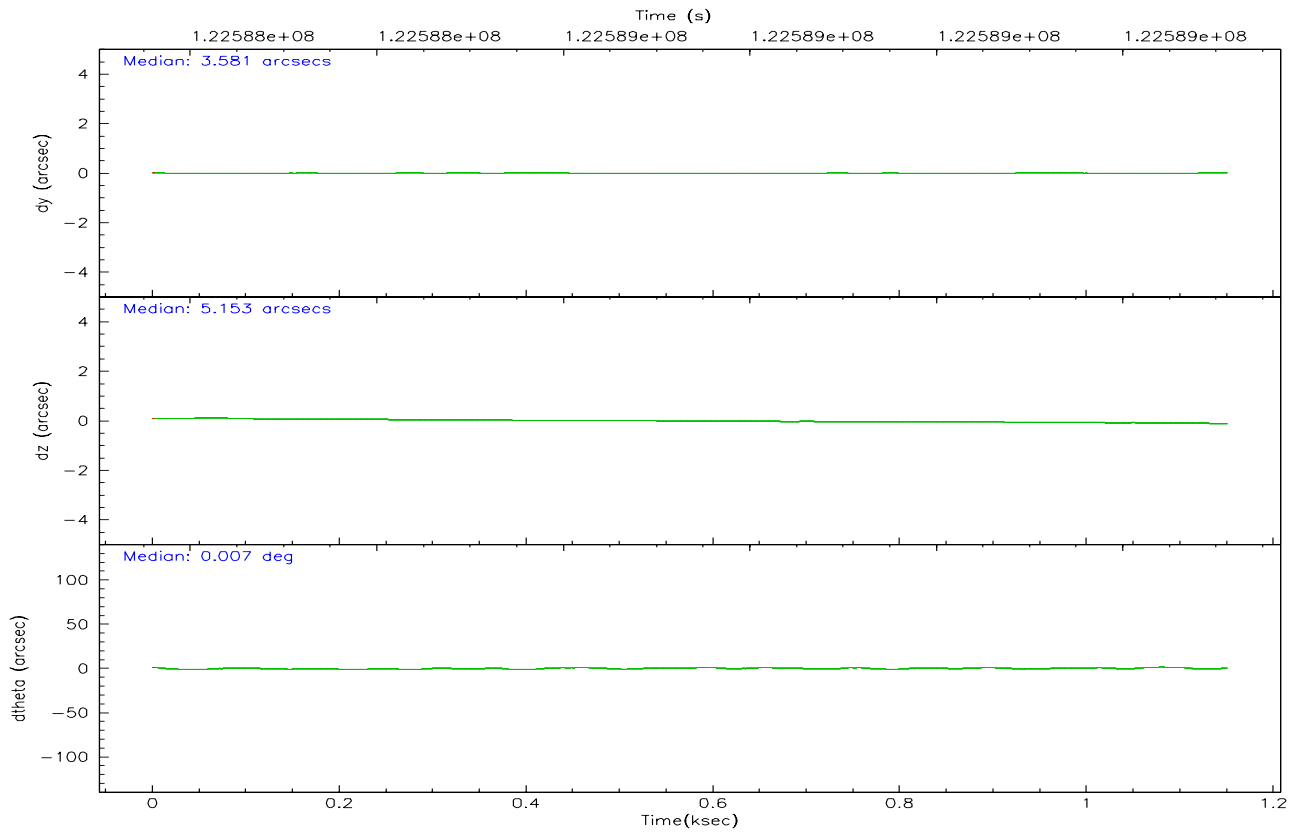
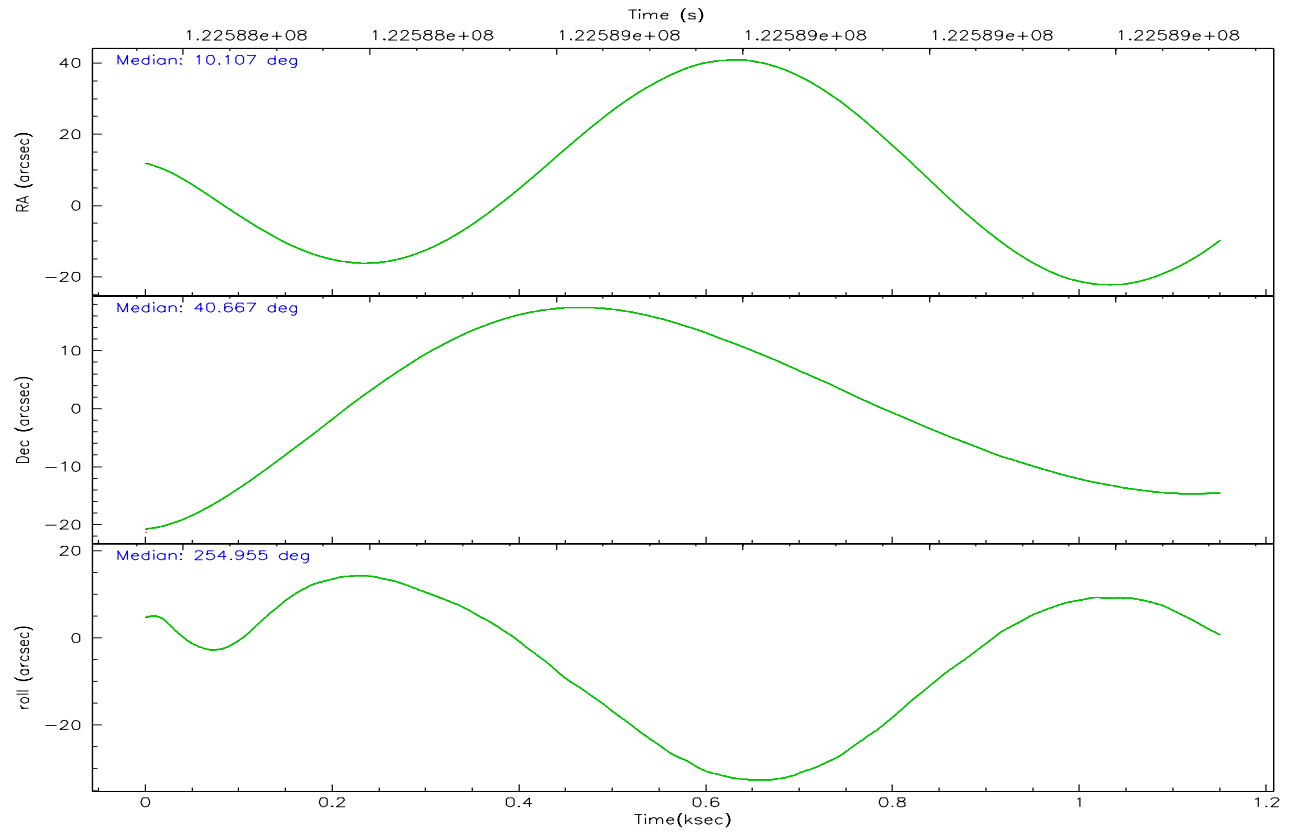
	<b>segment 0</b>
level 1 events	106246
rejected events	16182
rejected %	15%

## 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	10.099535	10.10815869391583			
Pointing Dec	40.692716	40.66662074449319			
Pointing Roll	255.062338	254.96142941957			
Window start time	122515264.184000	122515264.184000			
Window stop time	123120064.184000	123120064.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	122588311.184000	122587905.67846			
Observation start date	2001-11-19T20:17:27	2001-11-19T20:11:45			
Observation end time	122589311.184000	122589444.71602			
Observation end date	2001-11-19T20:34:07	2001-11-19T20:37:24			

2.3 Aspect



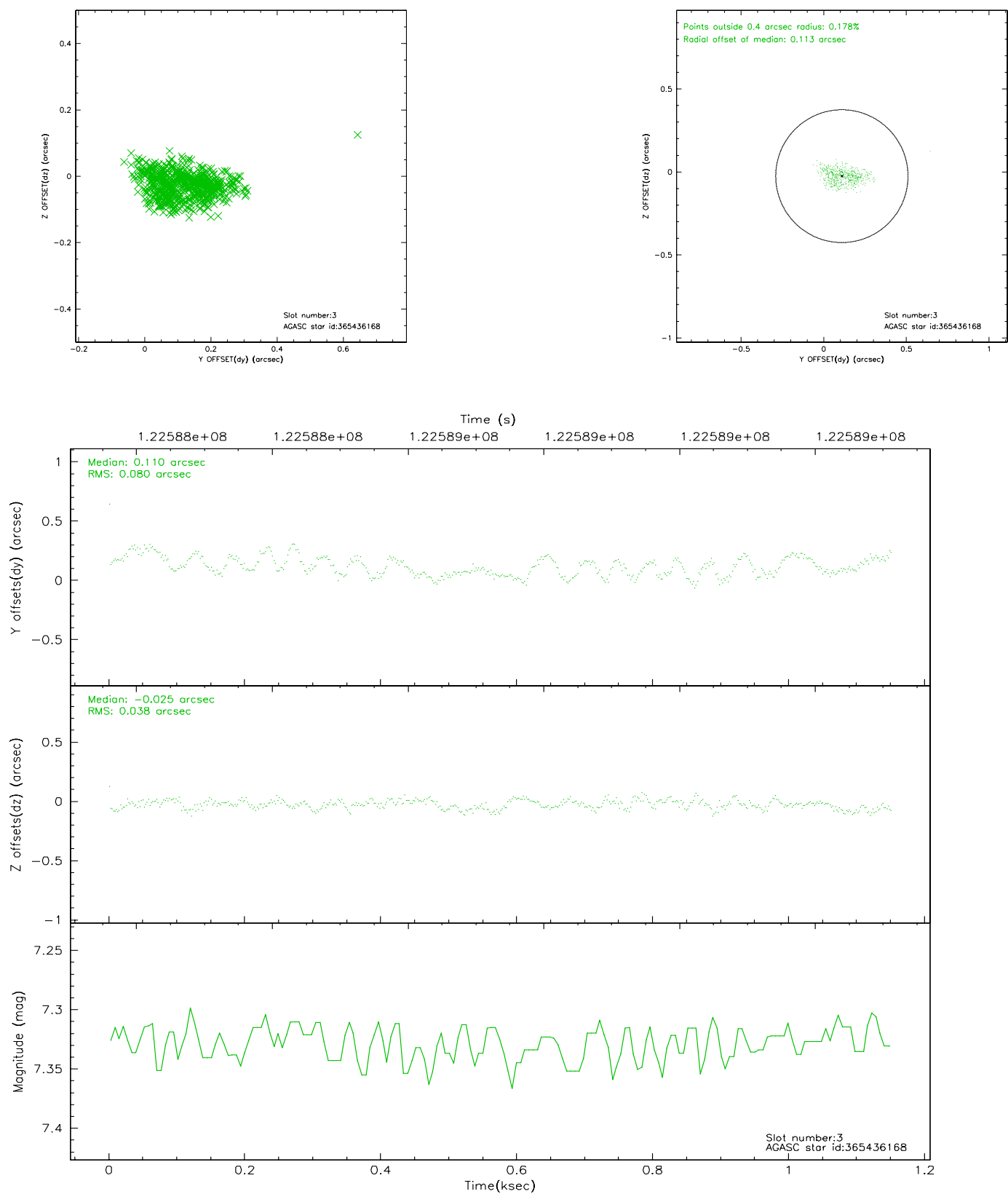


### Slot Statistics

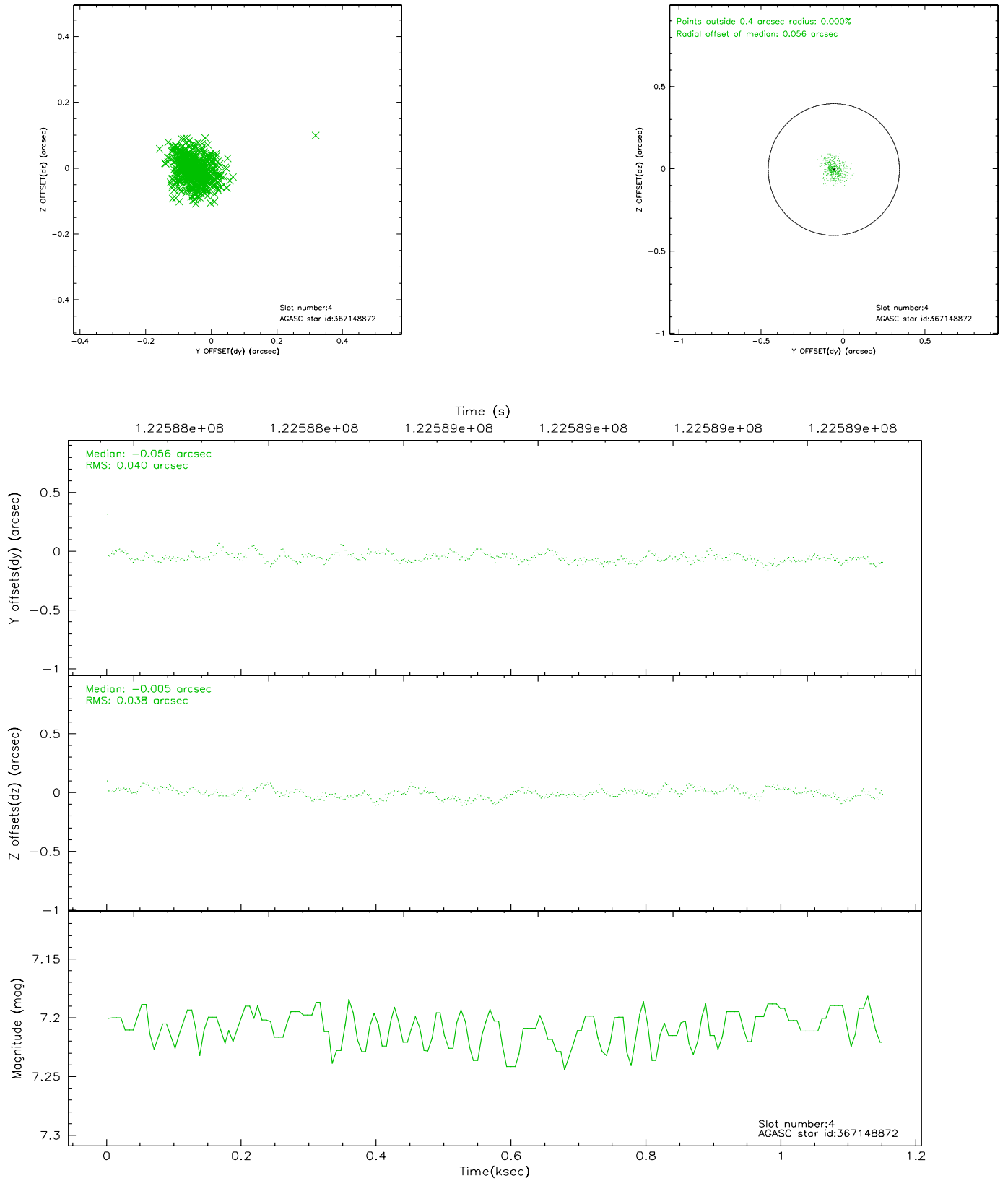
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	281	0.009	0.058	0.007	0.012	0.000000	0.000000	-759.02	-1292.91
1	FID	HRC-I-2	7.01	281	0.074	-0.053	0.006	0.010	0.000000	0.000000	850.97	-1299.14
2	FID	HRC-I-3	7.05	281	0.036	-0.094	0.006	0.010	0.000000	0.000000	-1184.52	1006.86
3	GUIDE	365436168	7.33	562	0.110	-0.025	0.091	0.151	9.360006	40.332380	1768.43	-1625.13
4	GUIDE	367148872	7.21	562	-0.056	-0.005	0.057	0.091	10.505940	40.688258	-270.10	1075.84
5	GUIDE	365431072	8.99	562	-0.084	-0.010	0.093	0.147	9.376278	41.092224	-892.15	-2263.65
6	GUIDE	367145856	9.29	561	-0.037	0.030	0.098	0.158	10.744946	40.402085	546.46	1977.06
7	GUIDE	367141456	9.46	561	0.058	0.030	0.123	0.192	10.733182	40.145955	1446.92	2197.71

## 2.4 Star Slots

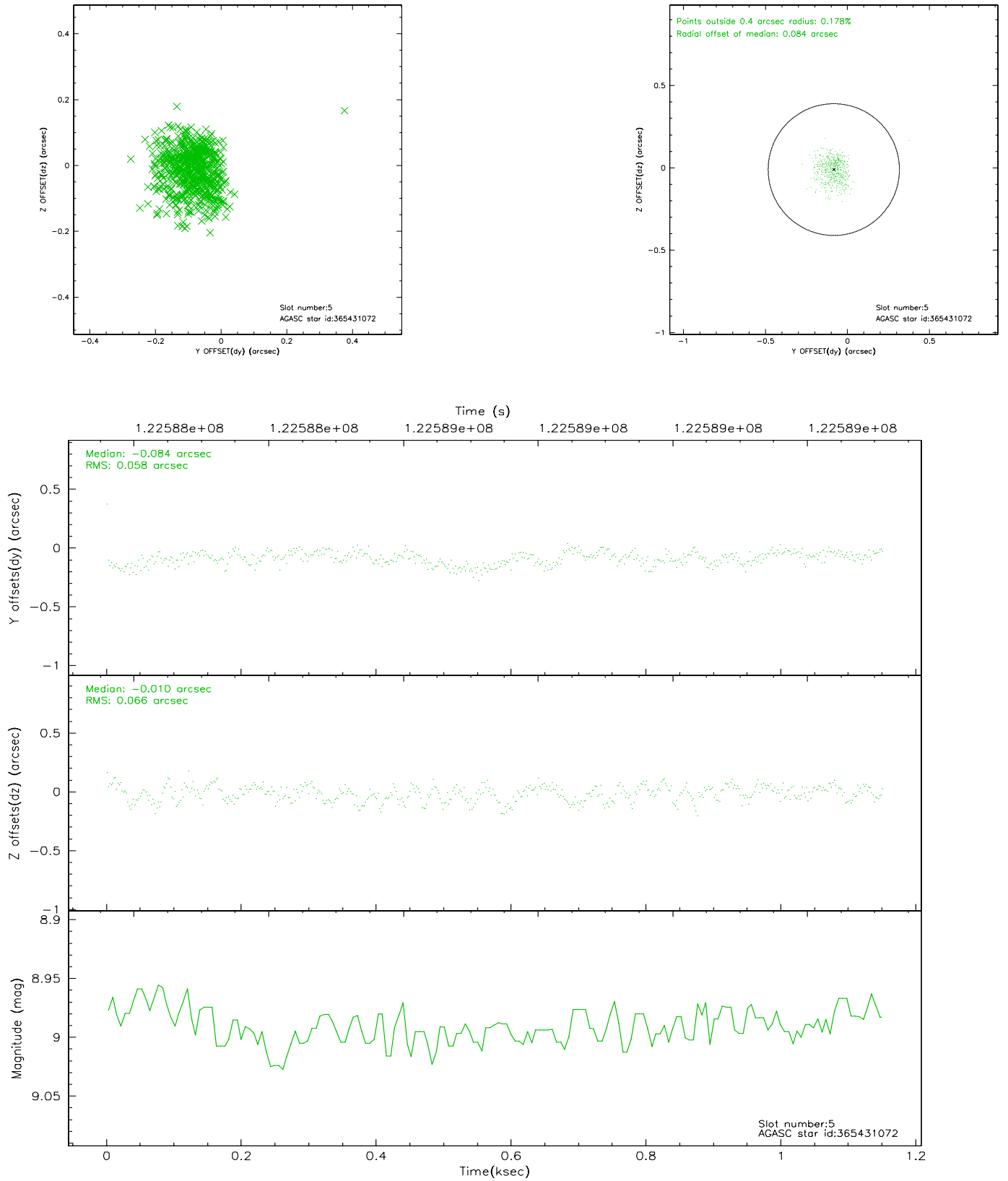
### 2.4.1 Slot 3



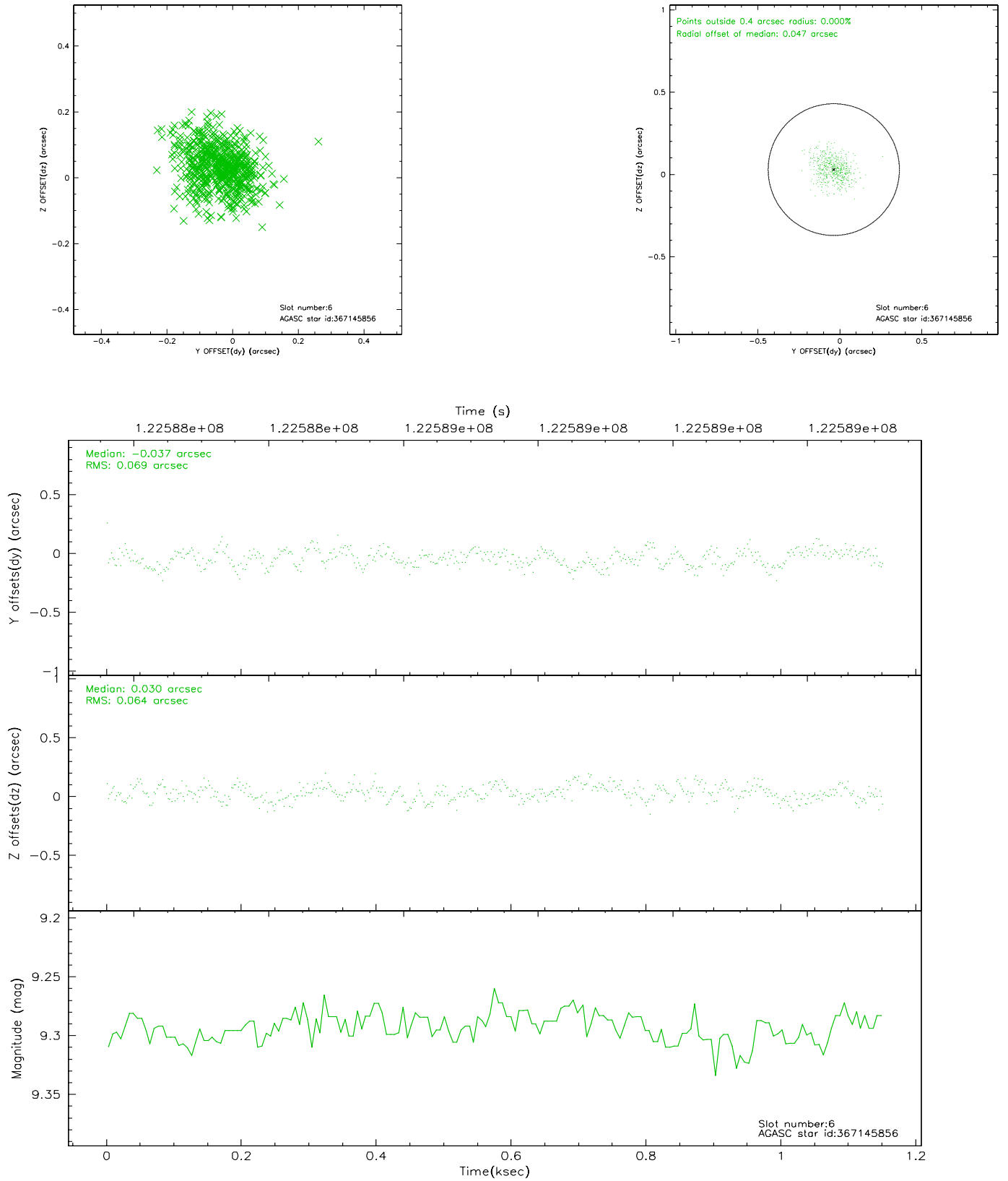
## 2.4.2 Slot 4



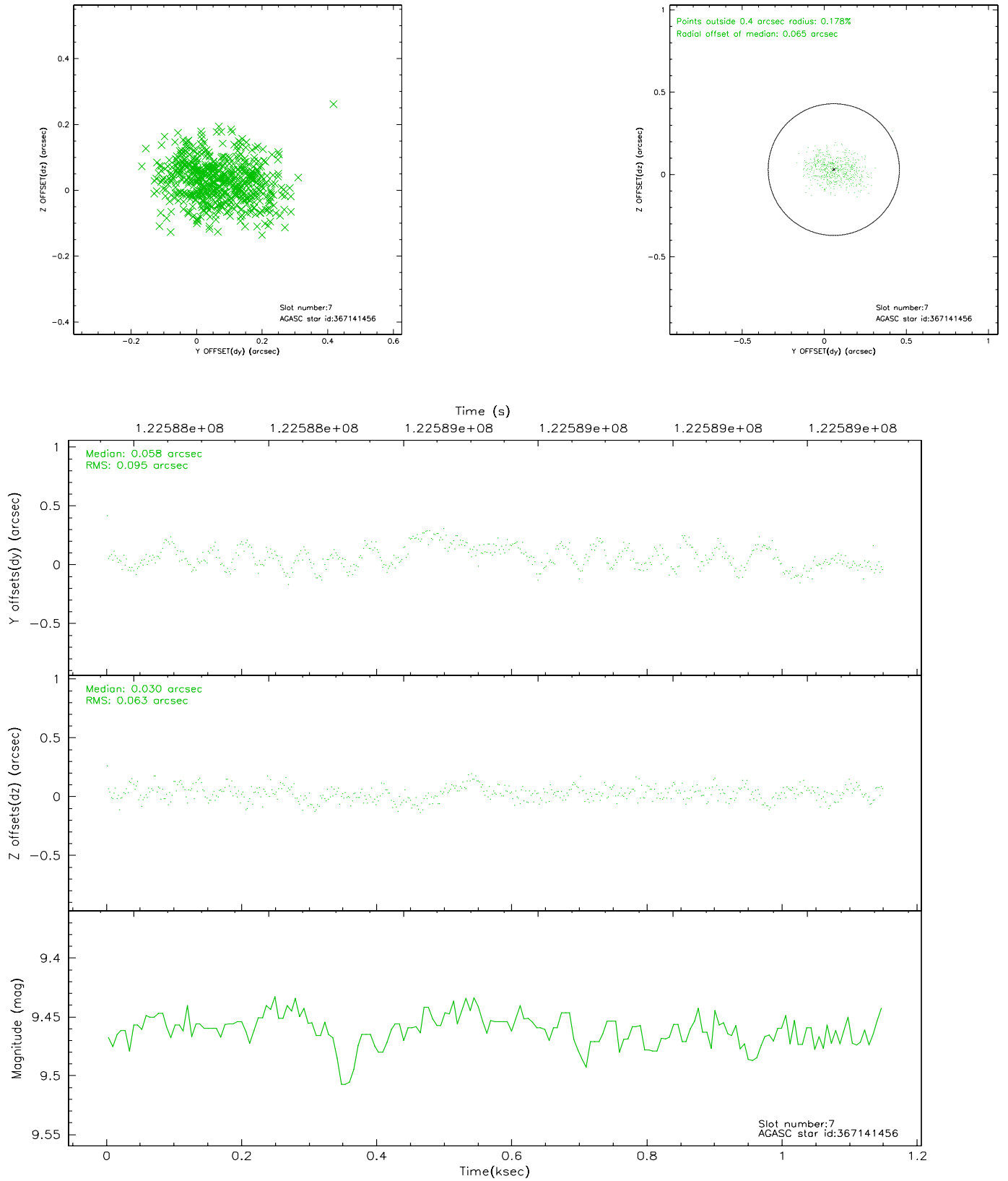
### 2.4.3 Slot 5



## 2.4.4 Slot 6

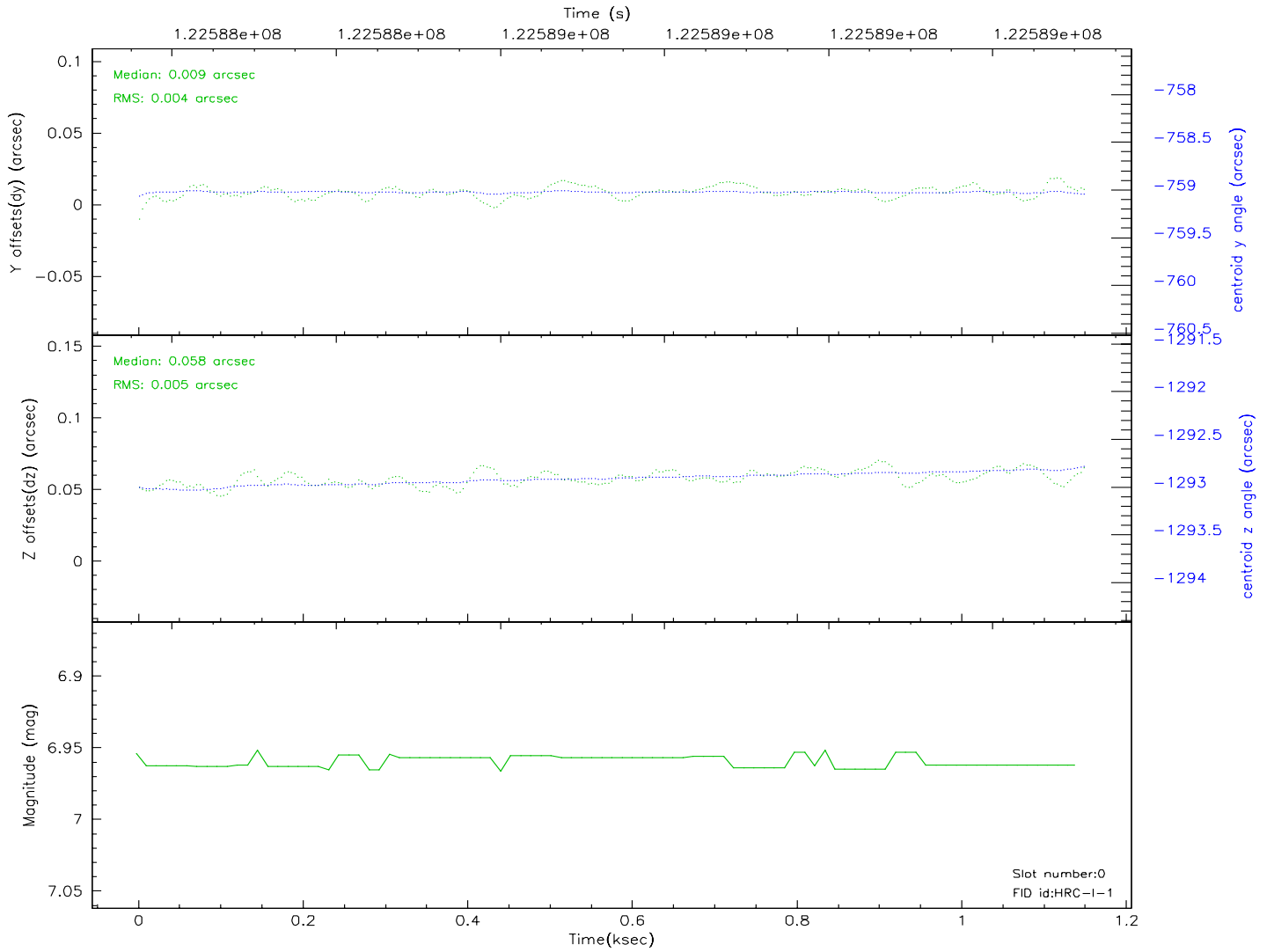
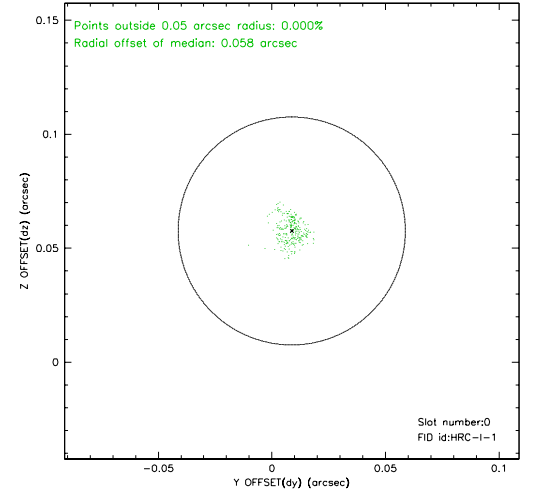
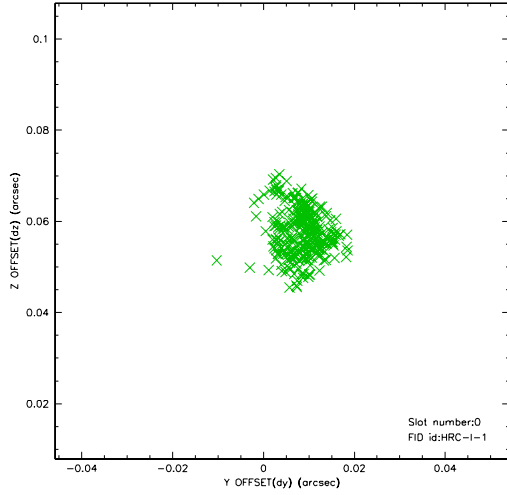


## 2.4.5 Slot 7

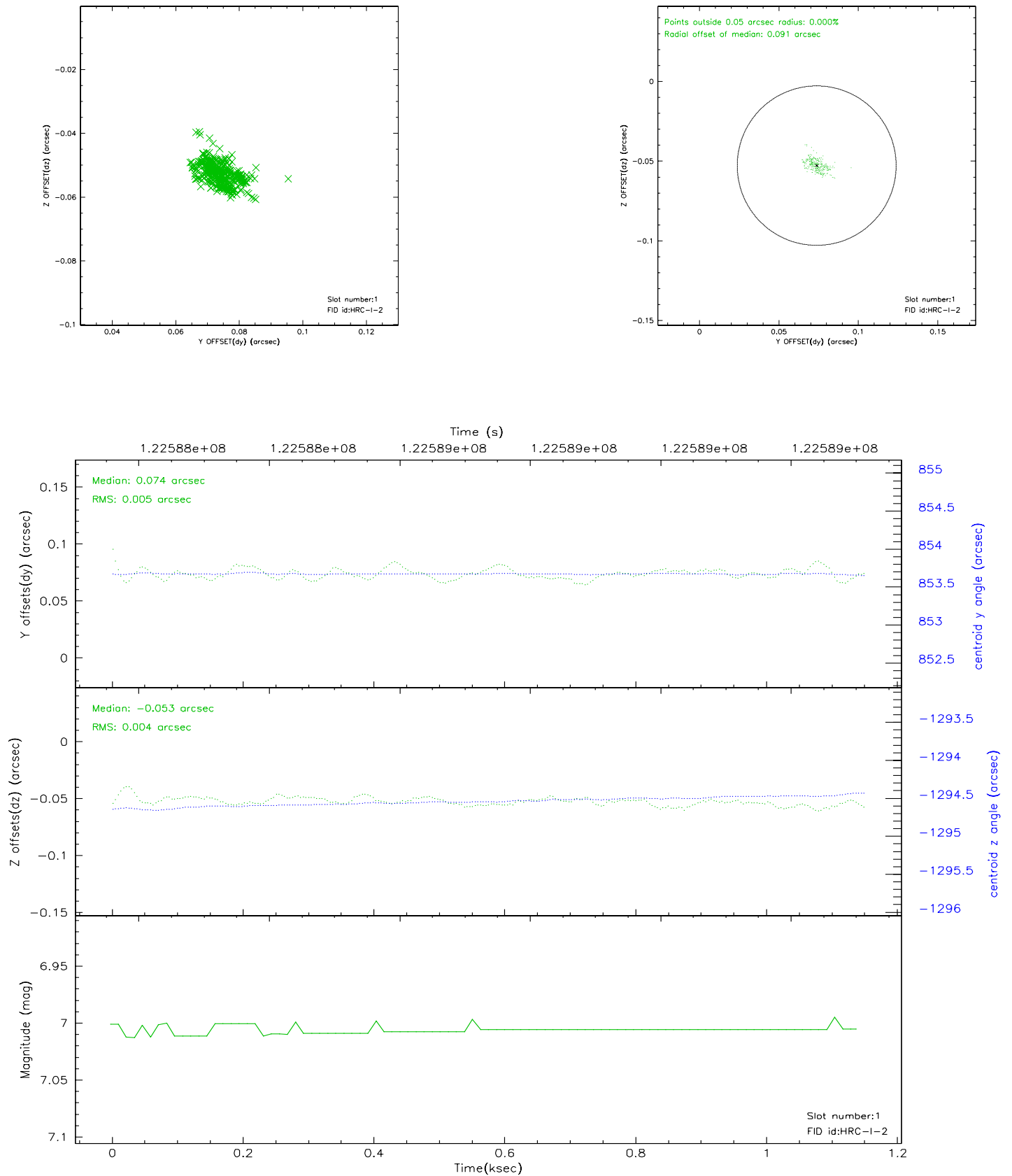


## 2.5 FID Slots

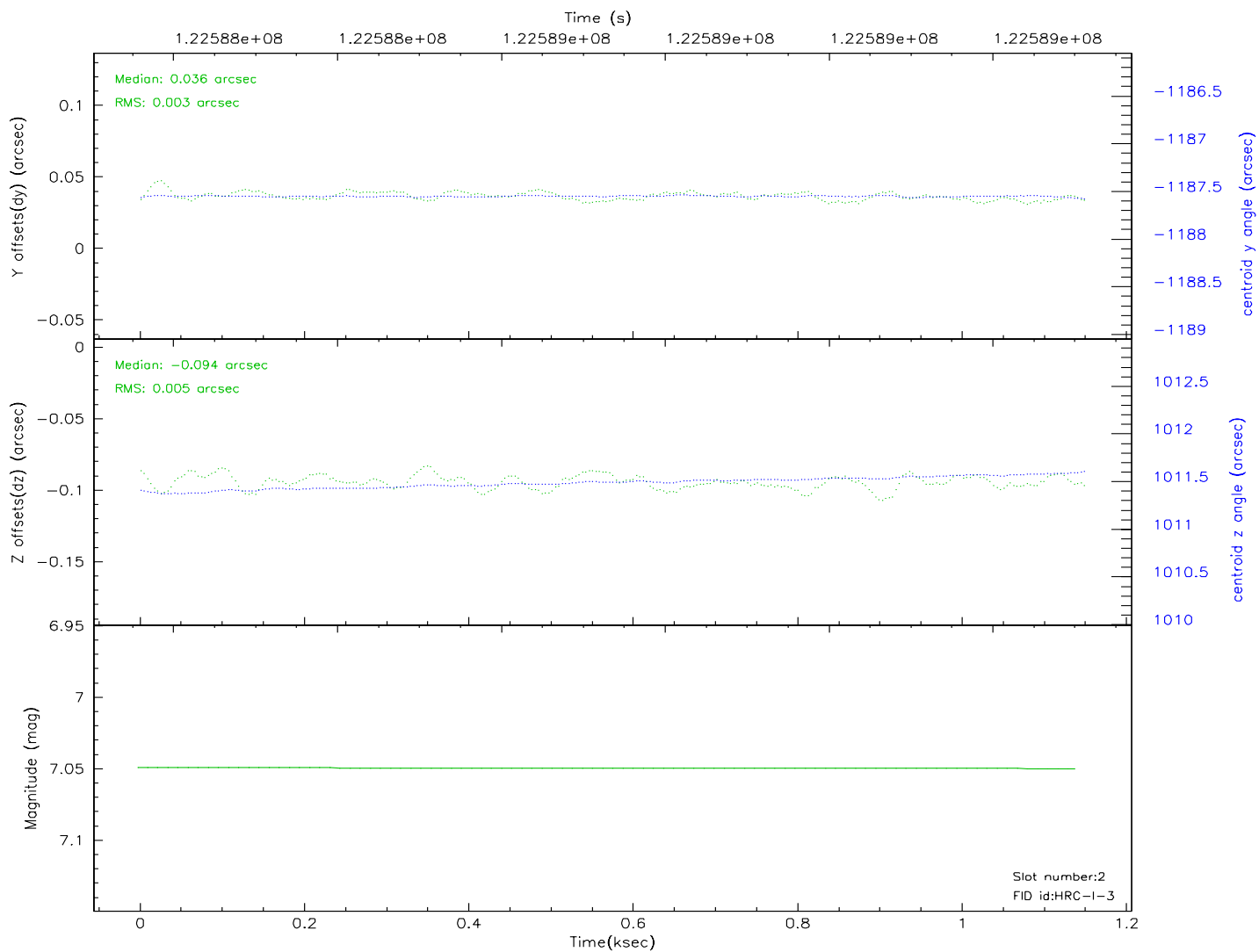
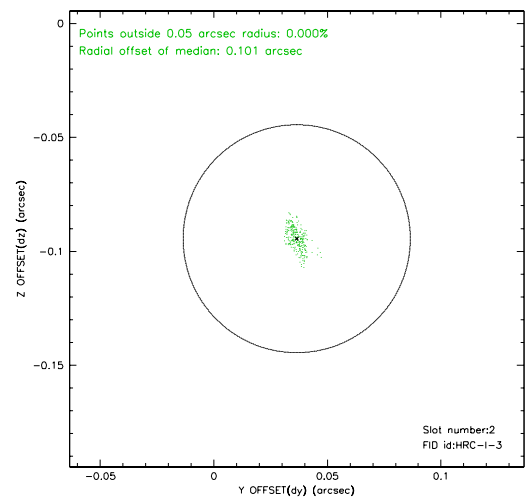
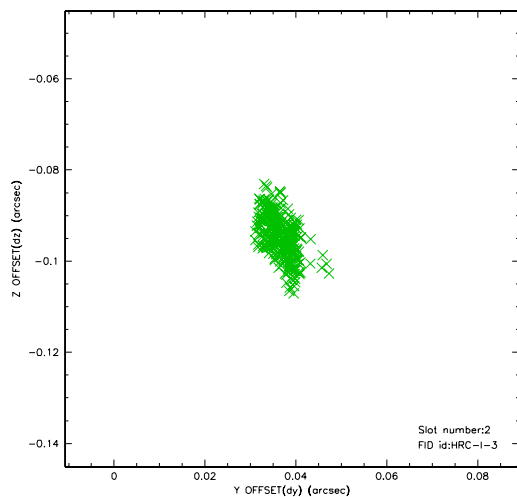
### 2.5.1 Slot 0



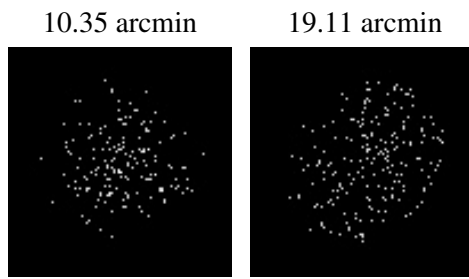
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.983

## A.2 Comments

Window constraint met.

The current observation has been reprocessed as part of Repro III ('C' supplement) the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIC web page at

<http://asc.harvard.edu/cda/repro3.html#IIIC>

and the associated links.