

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 6133 - L2 Version 3  
Chandra X-Ray Center

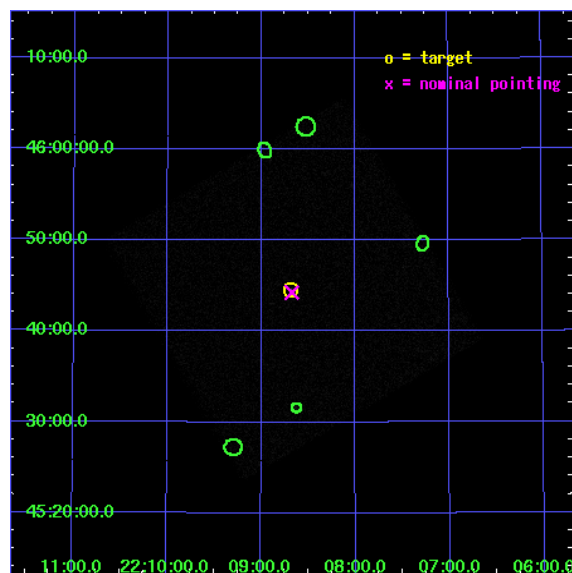
L2 Processing Date : Nov 23 2007

## 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

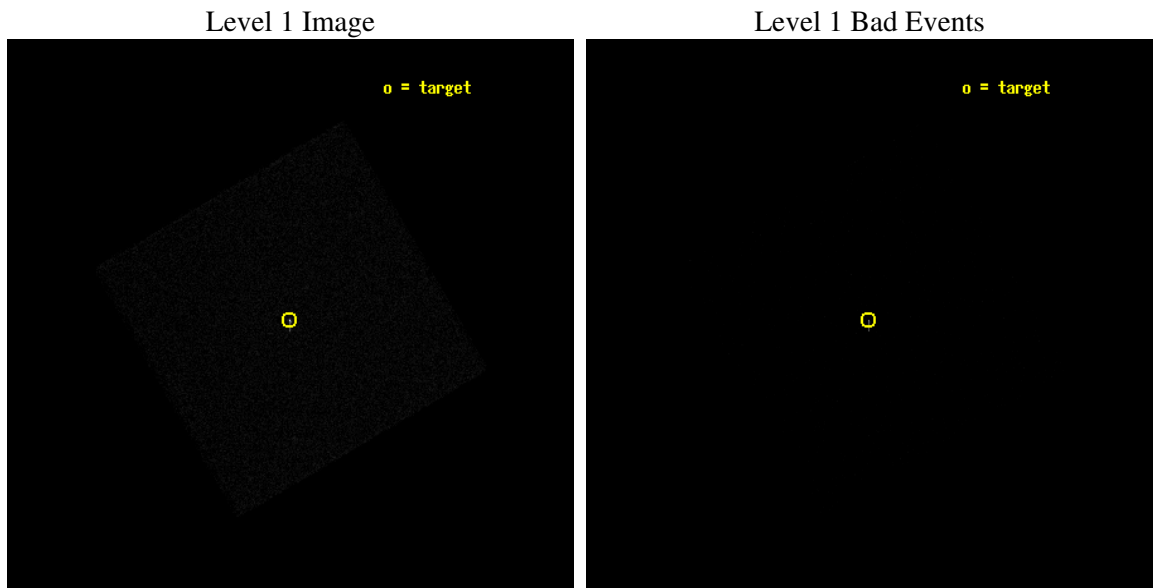
seq_num	290534
obs_id	6133
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.16830100126
dec_nom	45.738040225545
roll_nom	284.68900724719
revision	3
ontime	1083.681298703
livetime	1075.905229672
l2events	44021



## 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	2007-11-24T04:00:54
revision	3

sched_exp_time	900.000000
ontime	1083.681298703
l1events	82136

### 2.1.3 Events

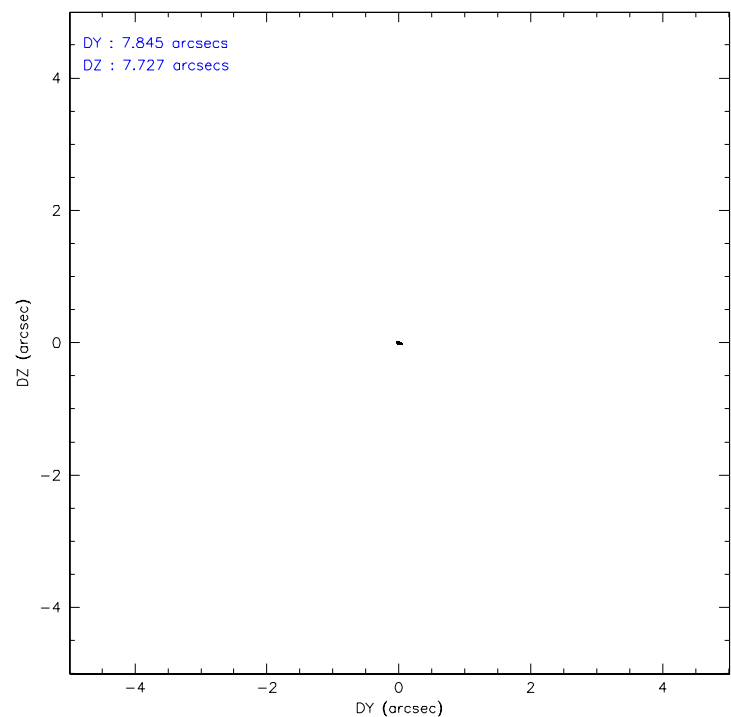
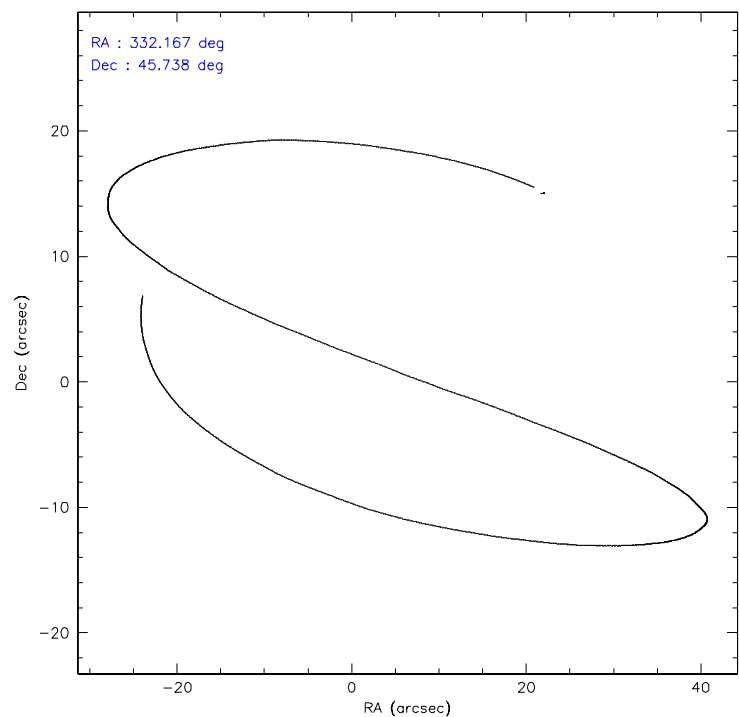
#### Level 1 Events

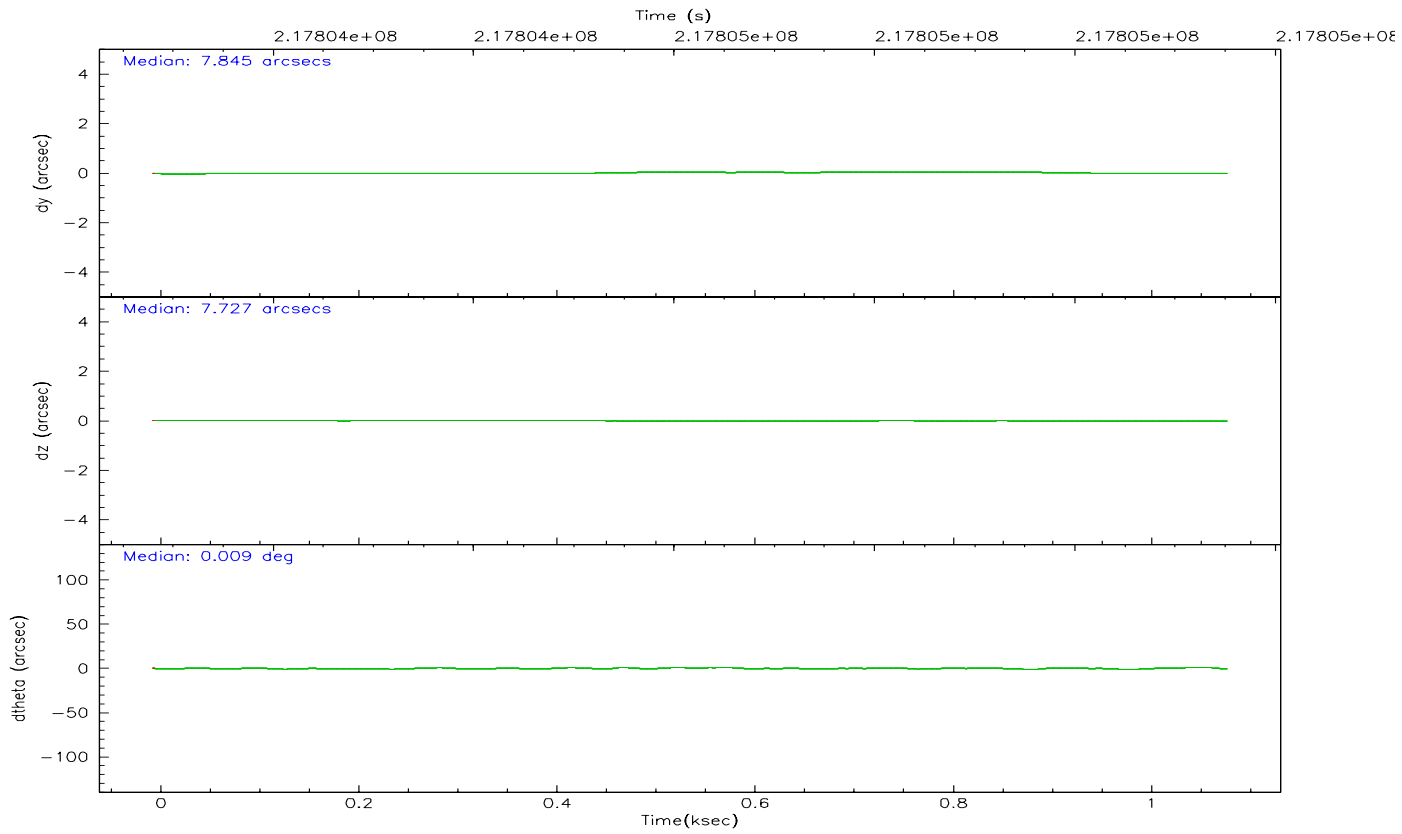
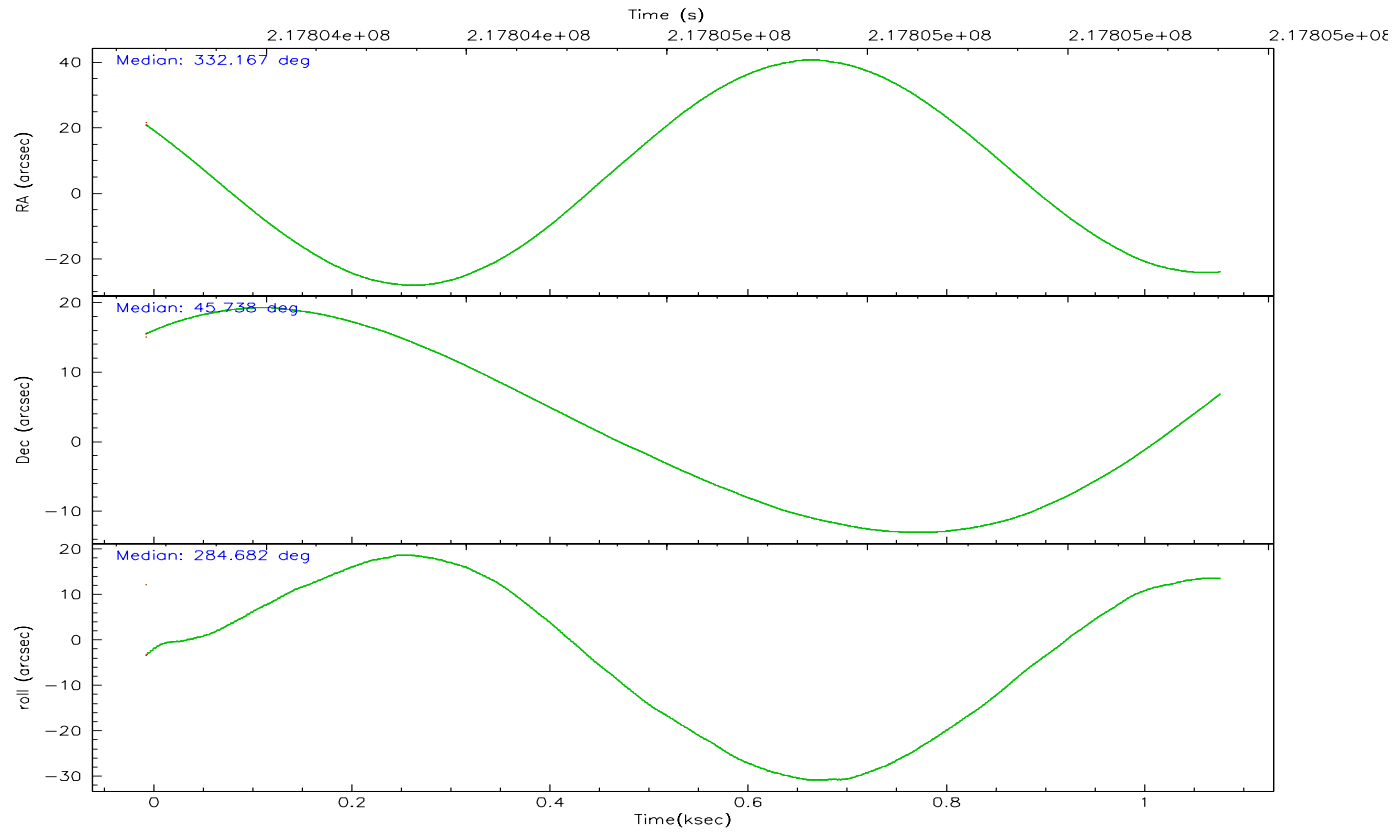
	<b>segment 0</b>
level 1 events	82136
rejected events	19014
rejected %	23%

## 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	332.141221	332.1683010012558			
Pointing Dec	45.756996	45.73804022554452			
Pointing Roll	284.803802	284.6890072471917			
Window start time	210384064.184000	210384064.184000			
Window stop time	220838464.184000	220838464.184000			
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	217804257.184000	217803880.98404			
Observation start date	2004-11-25T21:09:53	2004-11-25T21:04:40			
Observation end time	217805157.184000	217805291.3841			
Observation end date	2004-11-25T21:24:53	2004-11-25T21:28:11			

2.3 Aspect





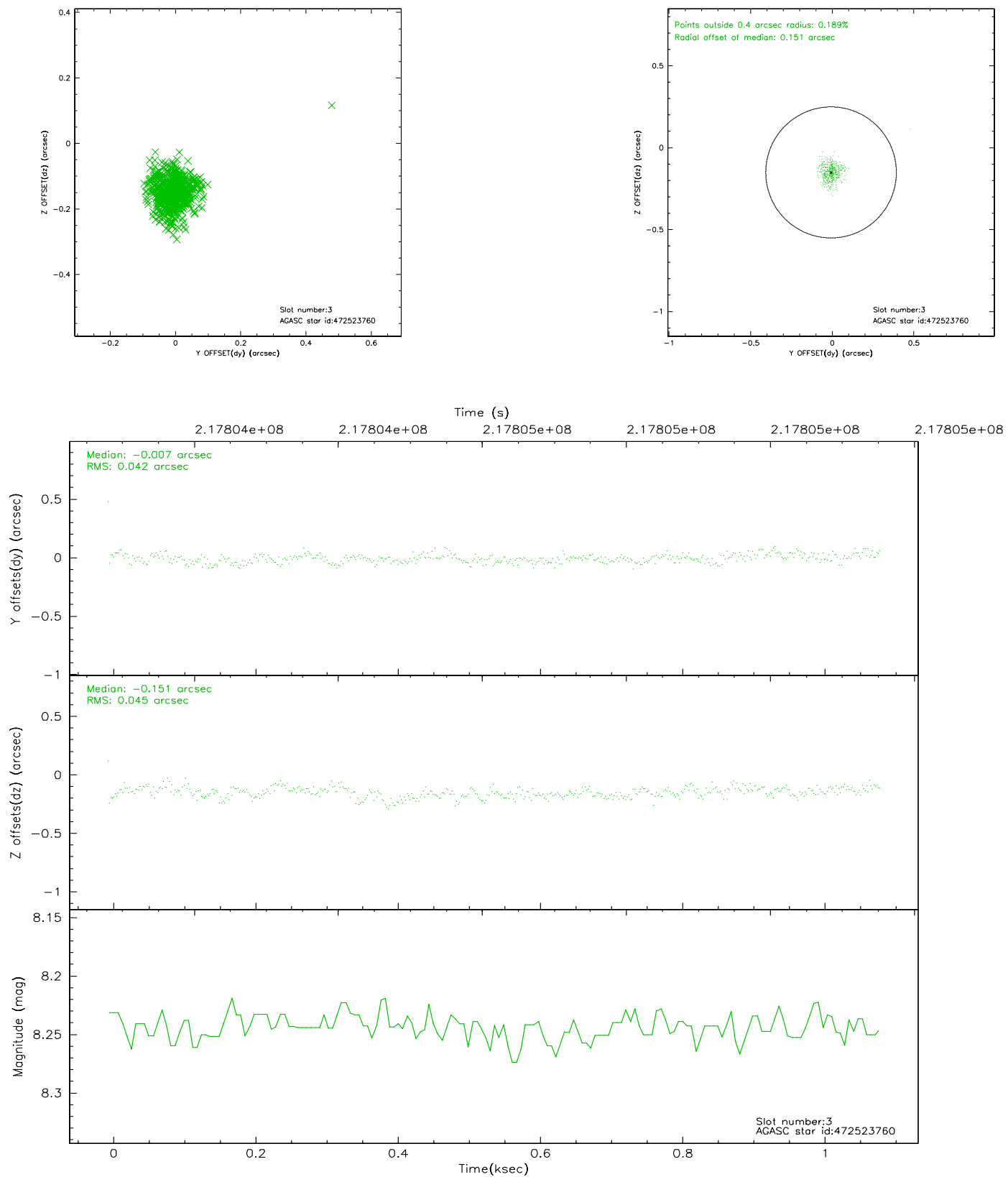
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	265	-0.002	0.039	0.007	0.012	0.000000	0.000000	-763.48	-1295.60
1	FID	HRC-I-2	7.04	265	0.152	-0.126	0.007	0.011	0.000000	0.000000	846.43	-1302.24
2	FID	HRC-I-3	7.09	265	-0.032	-0.001	0.005	0.010	0.000000	0.000000	-1188.78	1004.01
3	GUIDE	472523760	8.24	530	-0.007	-0.151	0.060	0.096	331.645363	45.403260	907.73	-1533.79
4	GUIDE	472527720	7.02	530	0.167	-0.044	0.108	0.159	331.460205	45.112509	1796.54	-2264.03
5	GUIDE	472655152	9.43	530	0.024	0.062	0.107	0.192	332.504239	45.862991	-134.77	976.08
6	GUIDE	472659832	9.45	530	-0.082	0.057	0.115	0.202	332.780399	46.098139	-786.17	1862.27
7	GUIDE	472533912	9.16	529	-0.110	0.089	0.081	0.130	331.791136	46.368695	-2354.36	-271.99

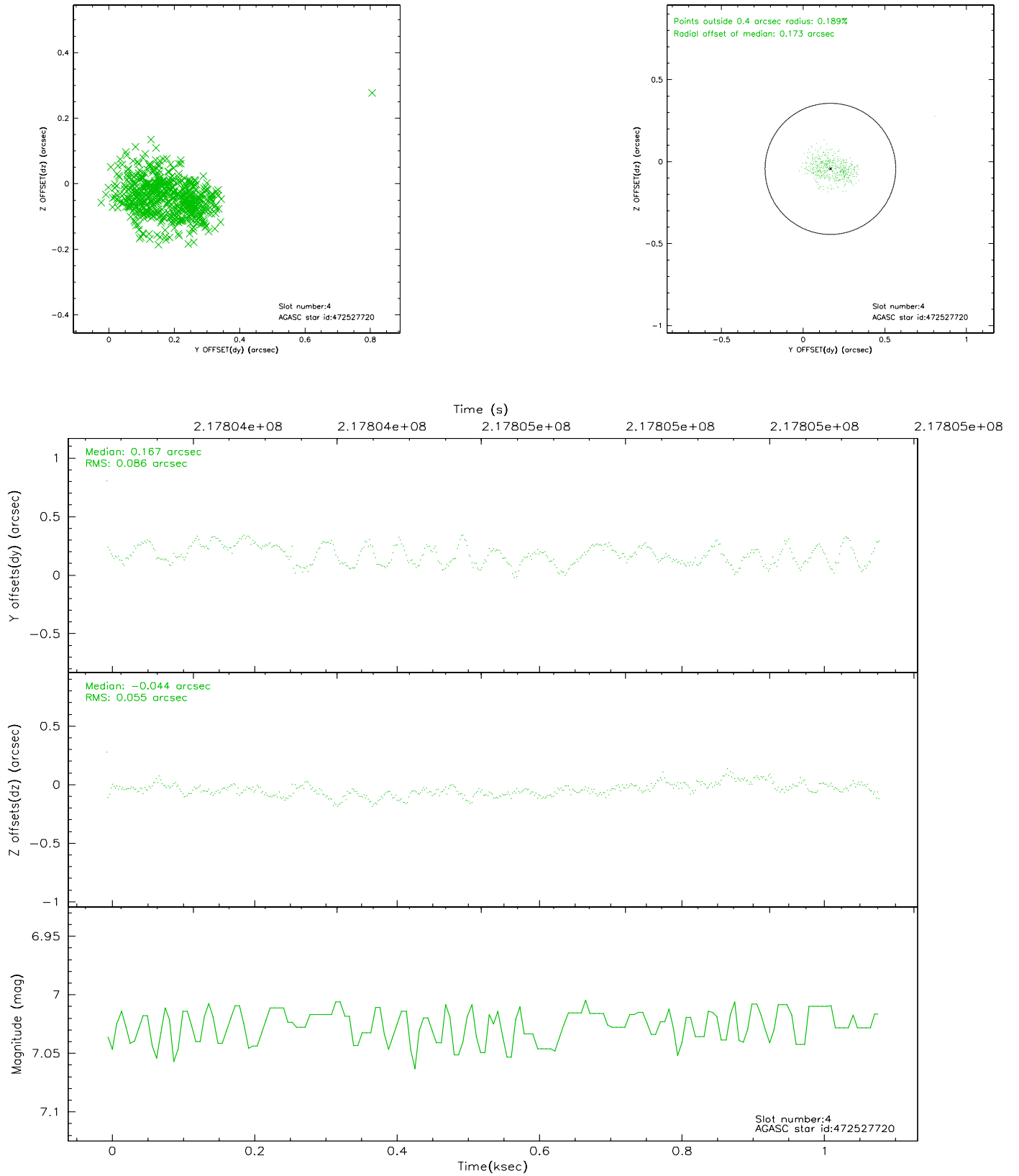


## 2.4 Star Slots

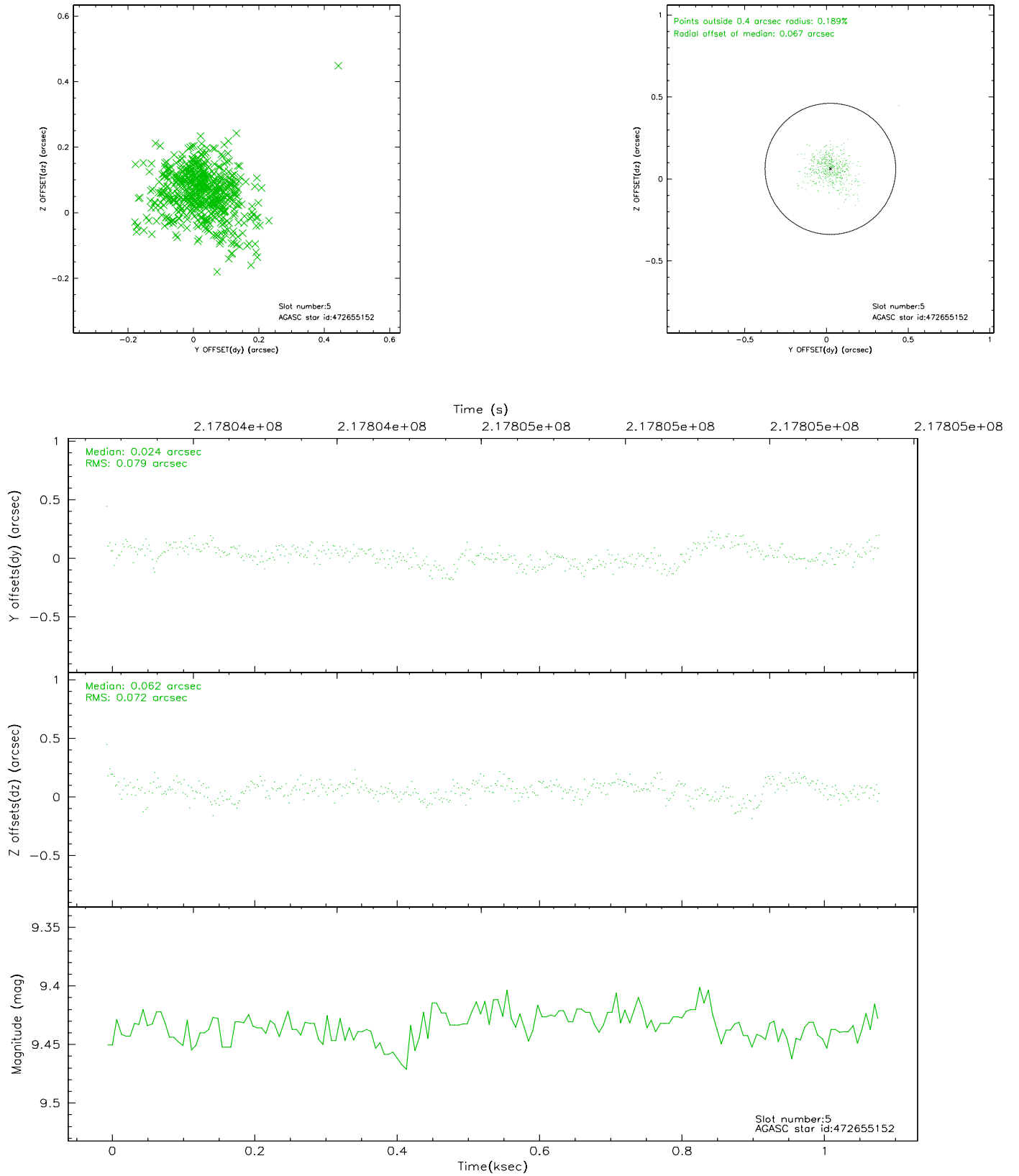
### 2.4.1 Slot 3



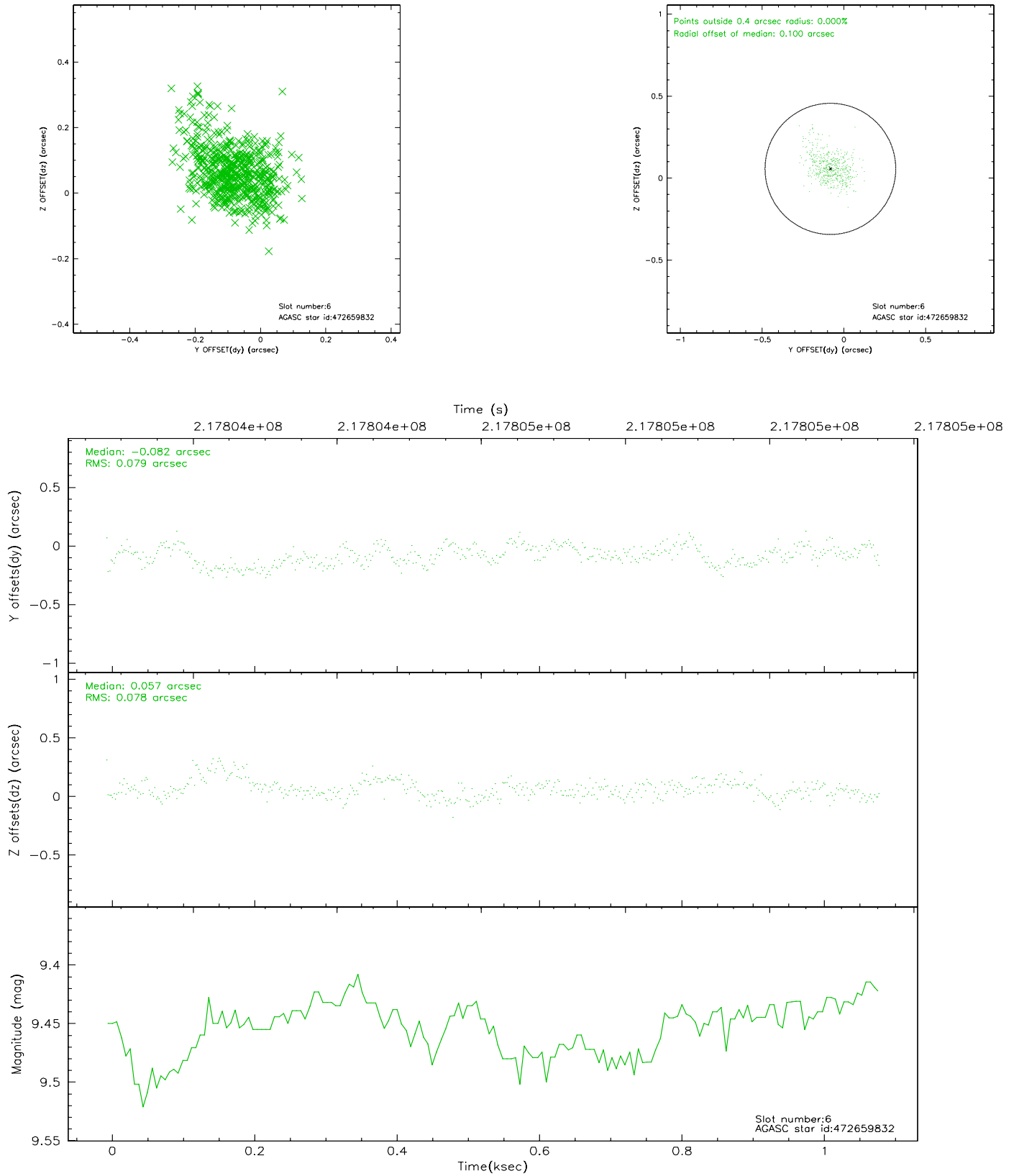
## 2.4.2 Slot 4



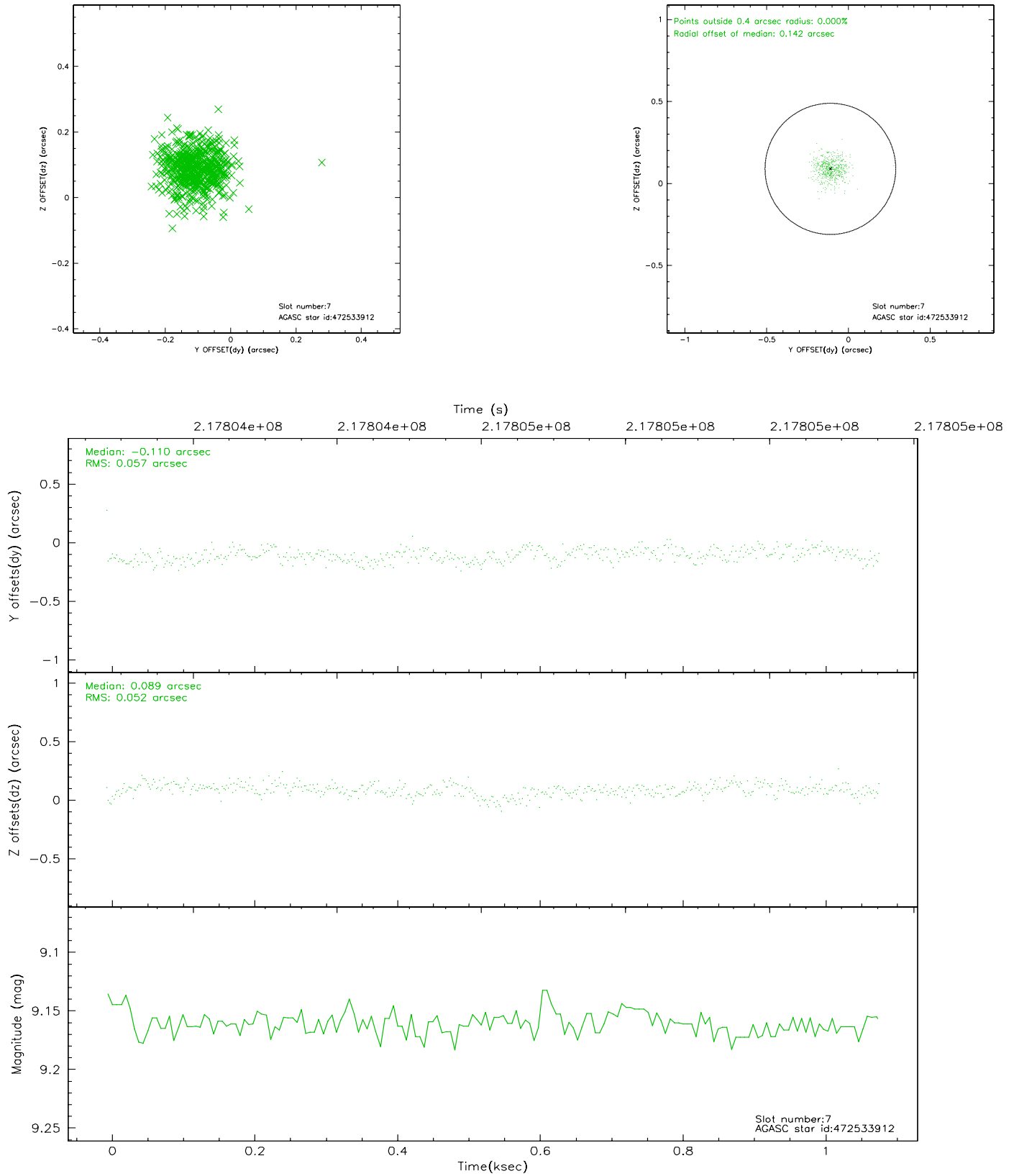
### 2.4.3 Slot 5



## 2.4.4 Slot 6

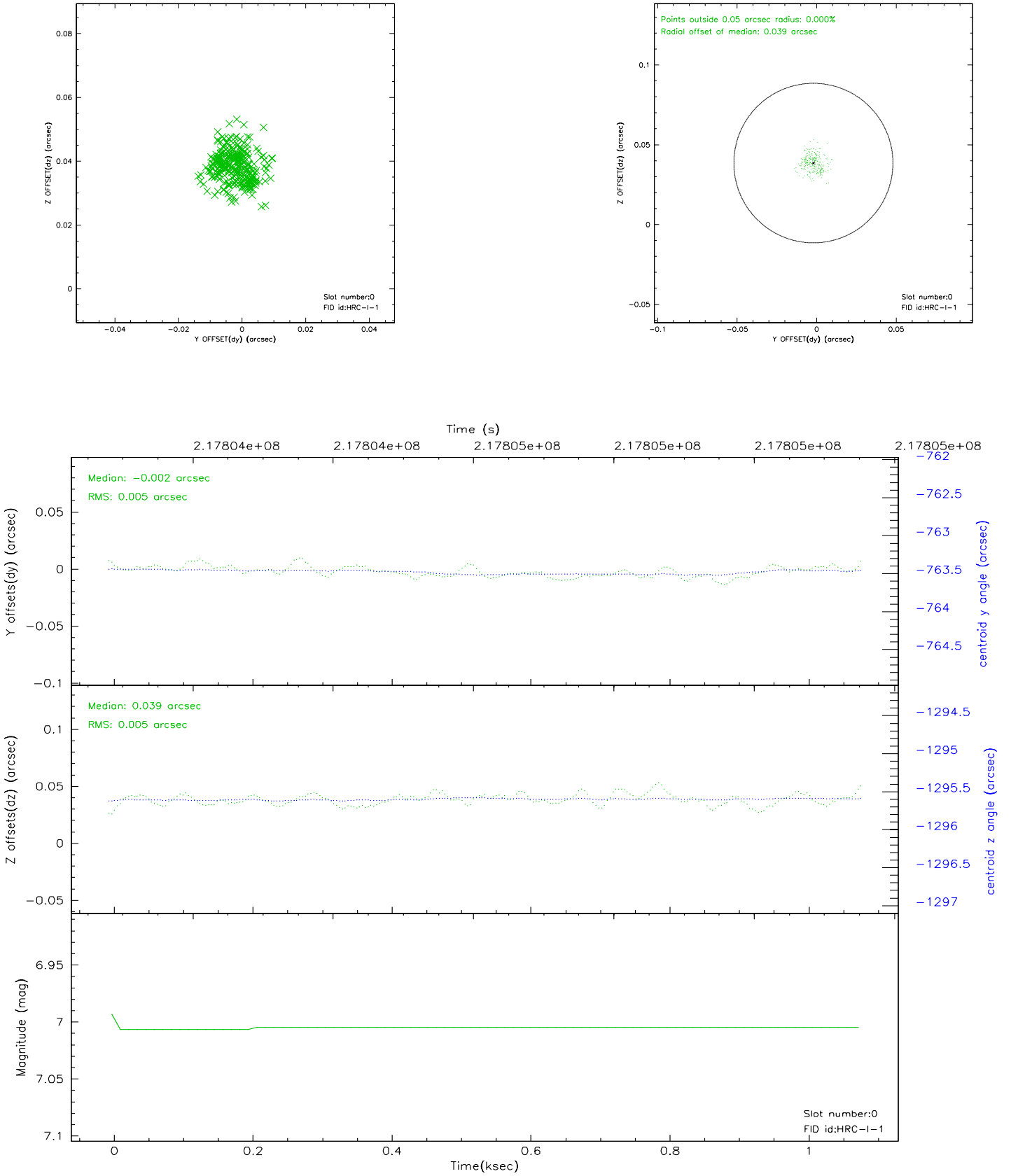


## 2.4.5 Slot 7

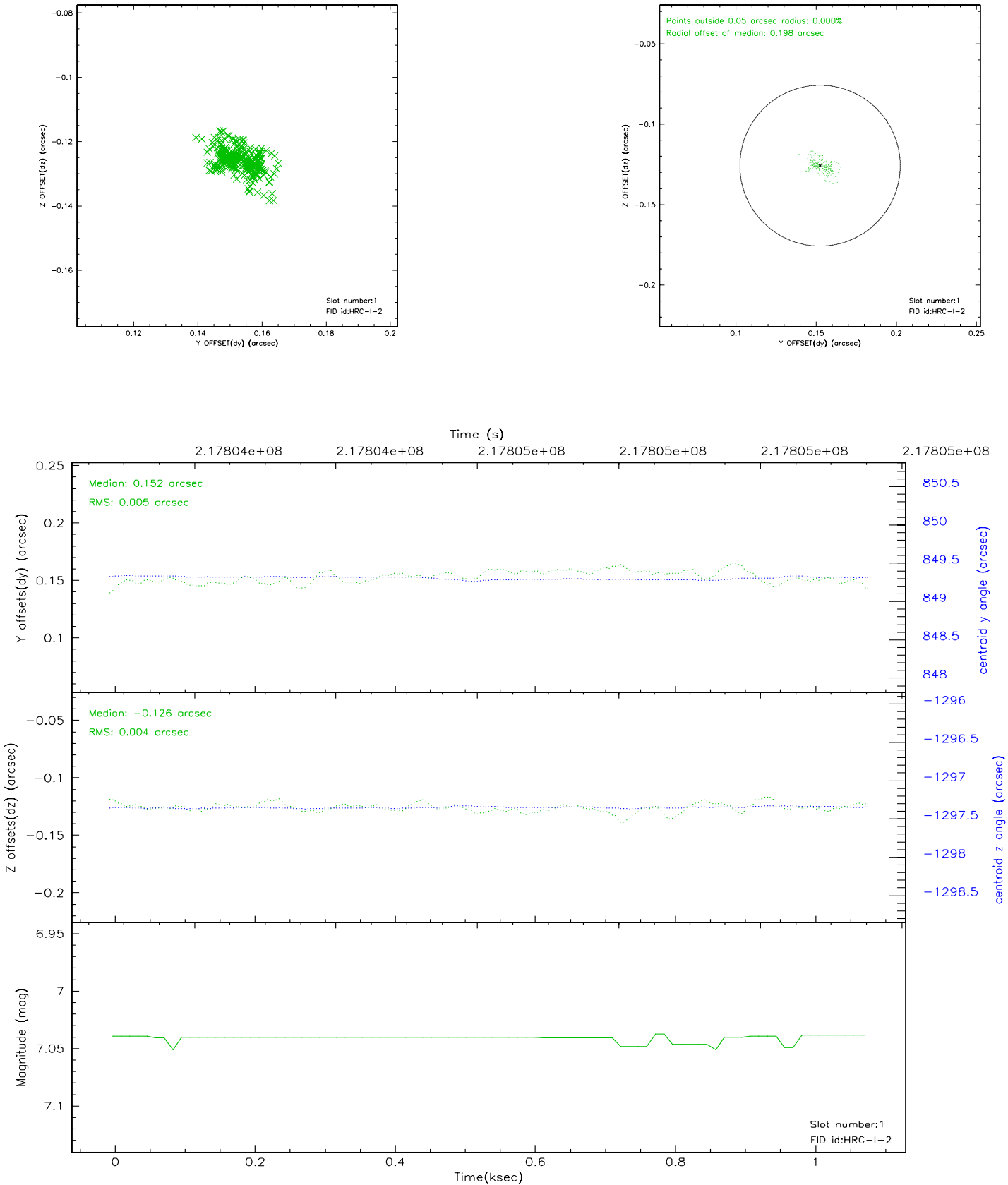


## 2.5 FID Slots

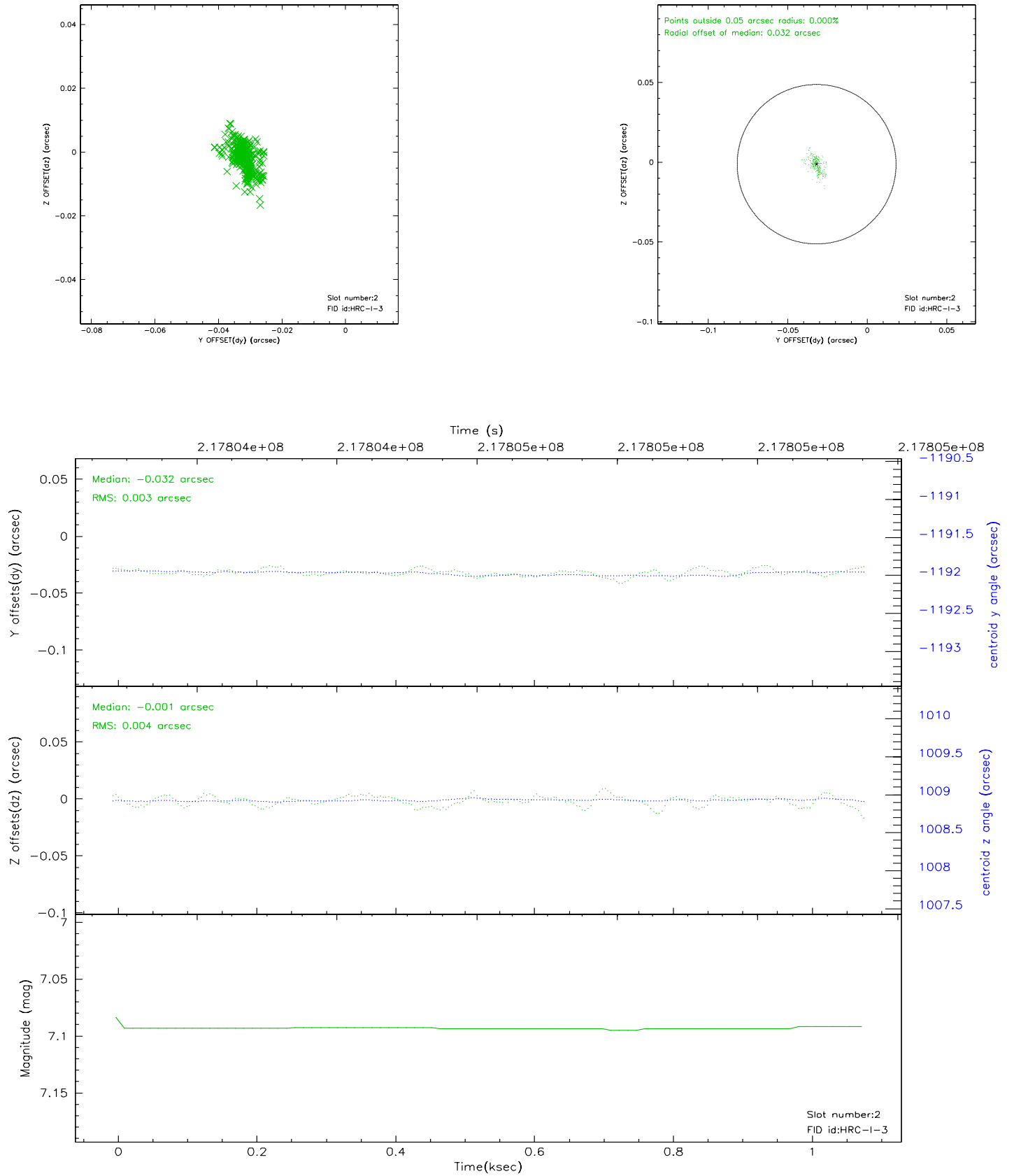
### 2.5.1 Slot 0



2.5.2 Slot 1

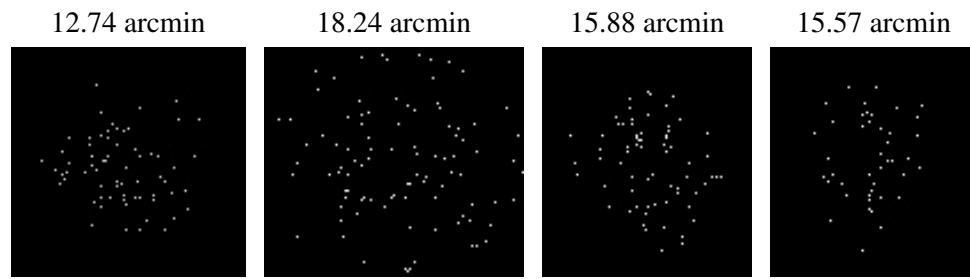


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.08368129

## A.2 Comments

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.