

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5063 - L2 Version 3  
Chandra X-Ray Center

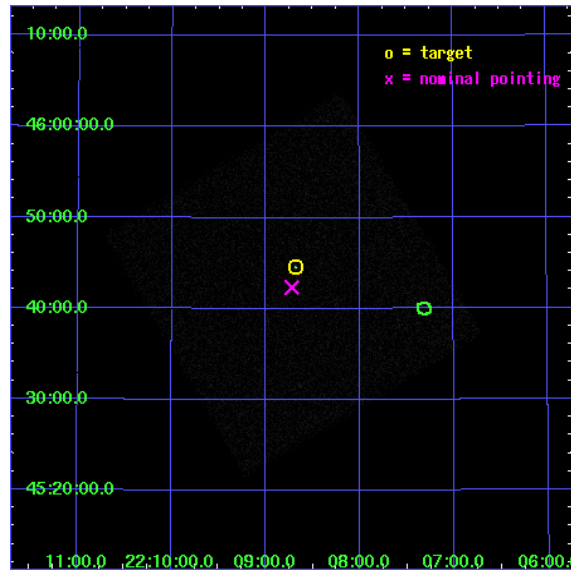
L2 Processing Date : Nov 23 2007

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# 1 Front

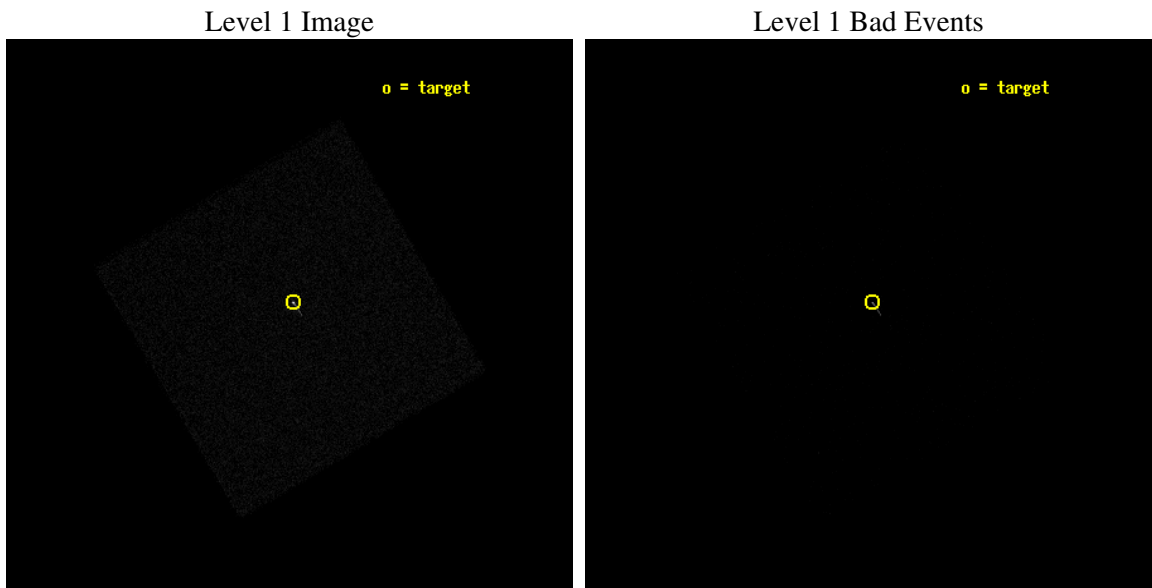
seq_num	290336
obs_id	5063
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.18031691937
dec_nom	45.705796405593
roll_nom	284.4002355515
revision	3
ontime	1067.2812979817
livetime	1059.6216889308
l2events	42764



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-24T01:02:17
revision	3

sched_exp_time	900.000000
ontime	1067.2812979817
l1events	148383

### 2.1.3 Events

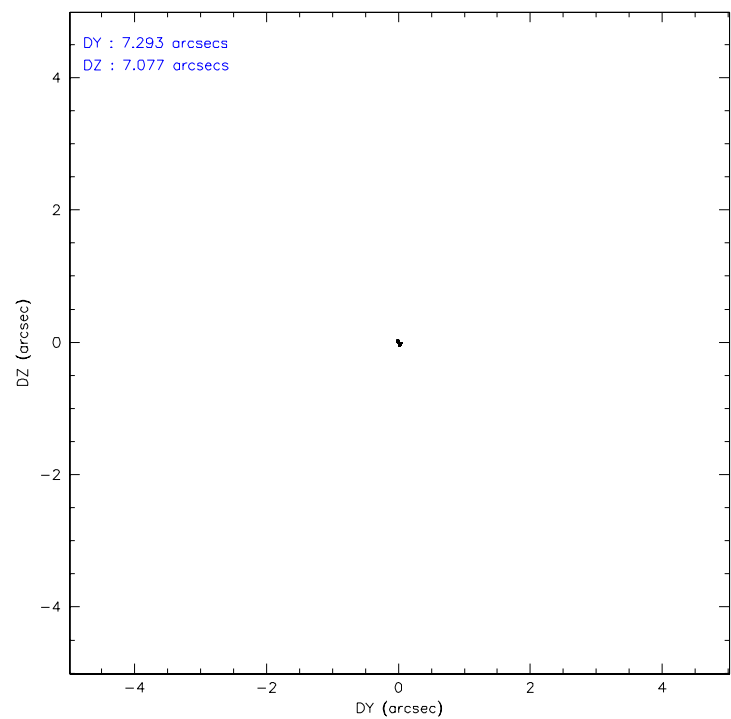
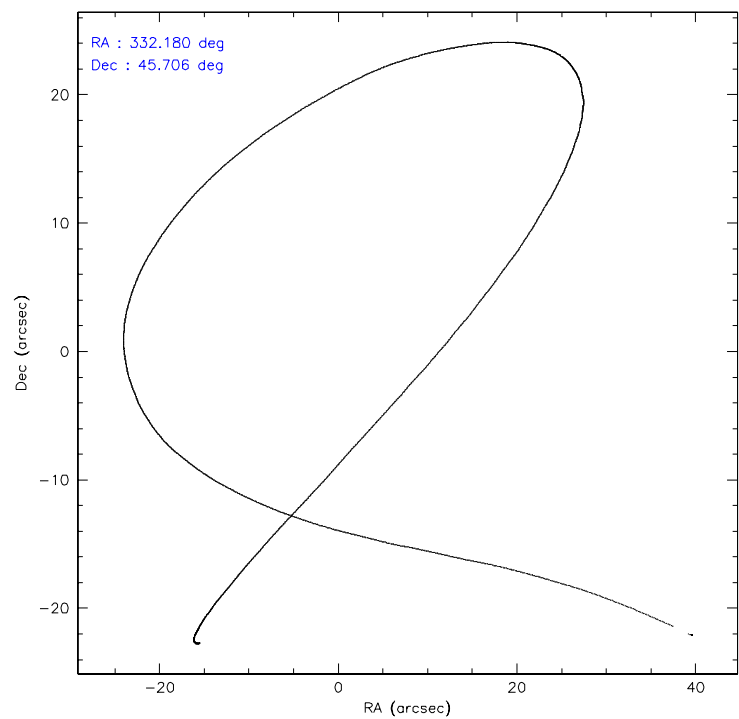
#### Level 1 Events

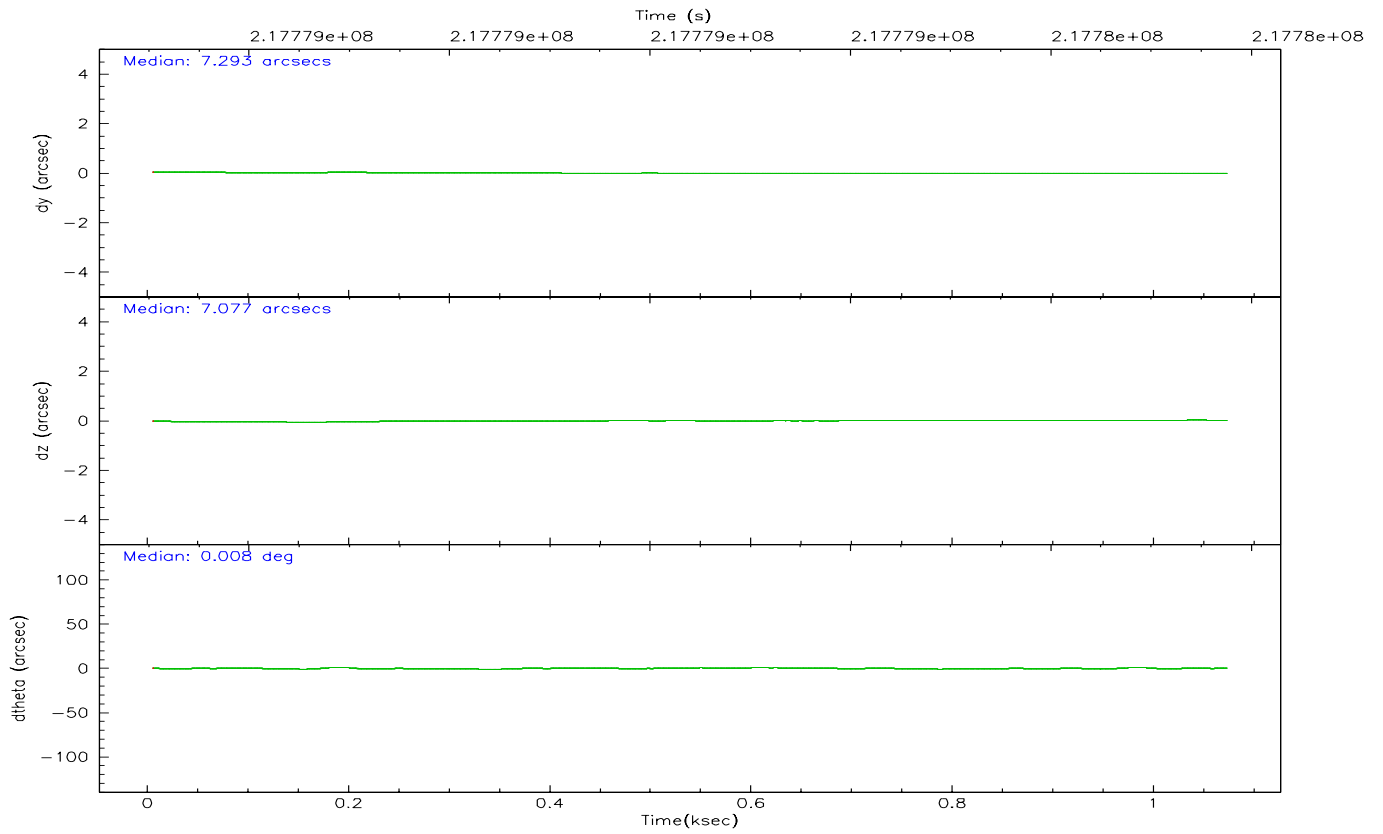
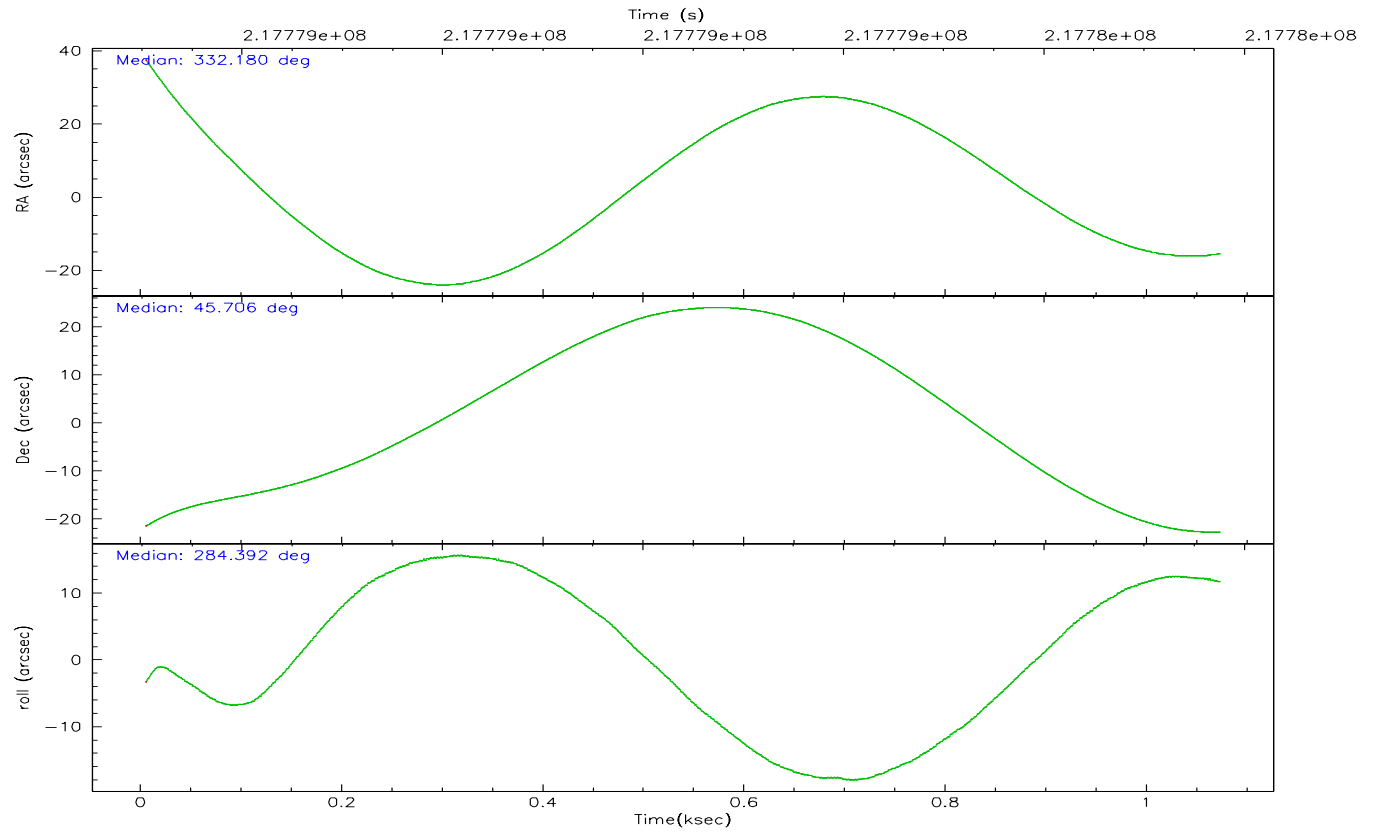
	<b>segment 0</b>
level 1 events	148383
rejected events	86685
rejected %	58%

## 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	332.153299	332.1803169193695			
Pointing Dec	45.724820	45.70579640559327			
Pointing Roll	284.514742	284.4002355515027			
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	217778877.184000	217777227.39534			
Observation start date	2004-11-25T14:06:53	2004-11-25T13:40:27			
Observation end time	217779777.184000	217779911.35796			
Observation end date	2004-11-25T14:21:53	2004-11-25T14:25:11			

2.3 Aspect





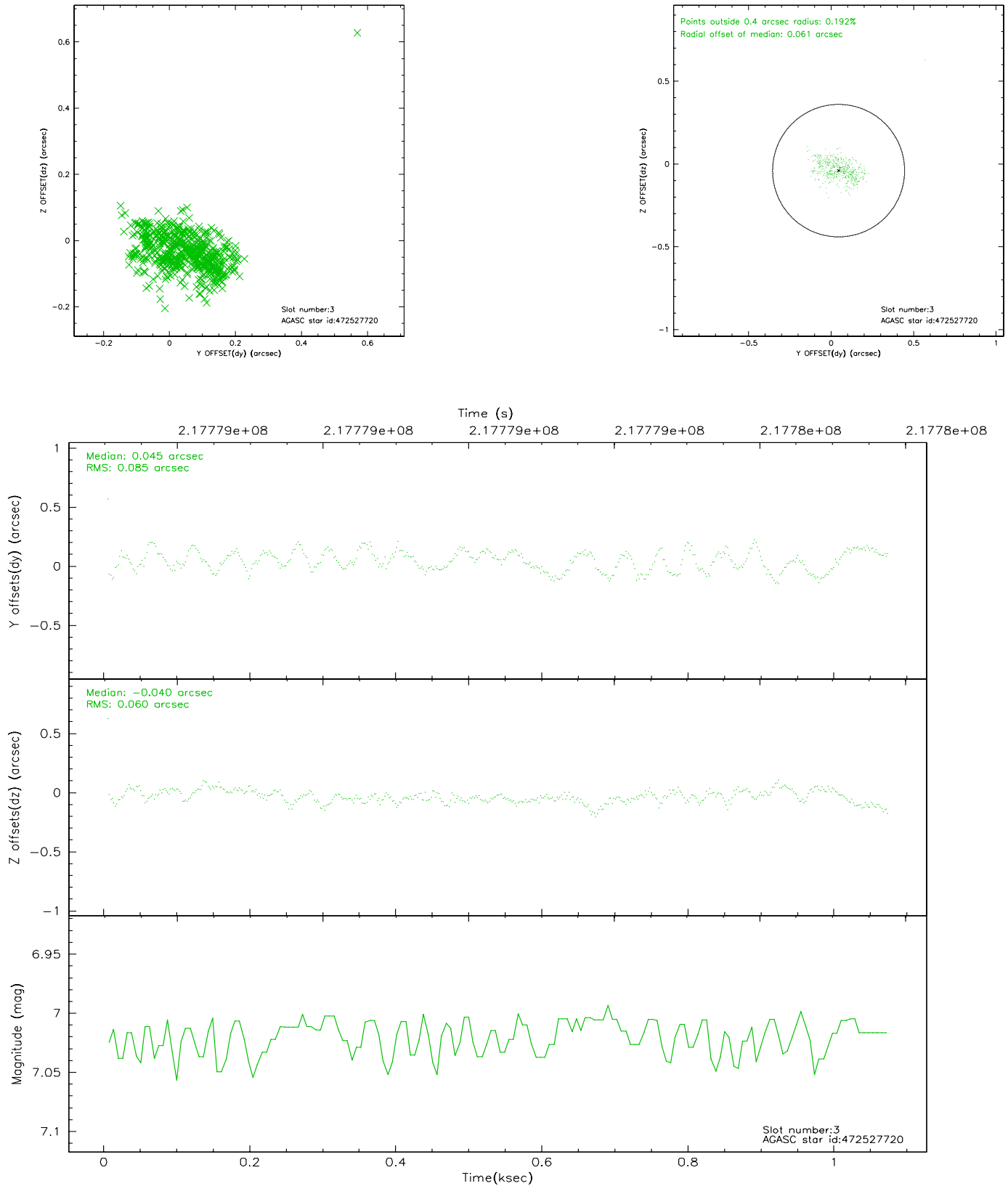
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	261	0.002	0.008	0.007	0.010	0.000000	0.000000	-762.89	-1294.97
1	FID	HRC-I-2	7.05	261	0.124	-0.092	0.005	0.008	0.000000	0.000000	846.94	-1301.60
2	FID	HRC-I-3	7.10	261	-0.008	-0.005	0.006	0.013	0.000000	0.000000	-1188.14	1004.60
3	GUIDE	472527720	7.02	522	0.045	-0.040	0.108	0.159	331.460205	45.112509	1686.22	-2252.97
4	GUIDE	472654568	9.45	522	0.111	0.039	0.117	0.228	332.194449	45.063576	2334.63	-497.18
5	GUIDE	472655152	9.44	516	0.023	0.081	0.108	0.178	332.504239	45.862991	-257.86	977.91
6	GUIDE	472659832	9.46	519	-0.092	0.065	0.105	0.198	332.780399	46.098139	-914.86	1857.90
7	GUIDE	472523760	8.24	521	-0.086	-0.128	0.066	0.099	331.645363	45.403260	793.91	-1526.43

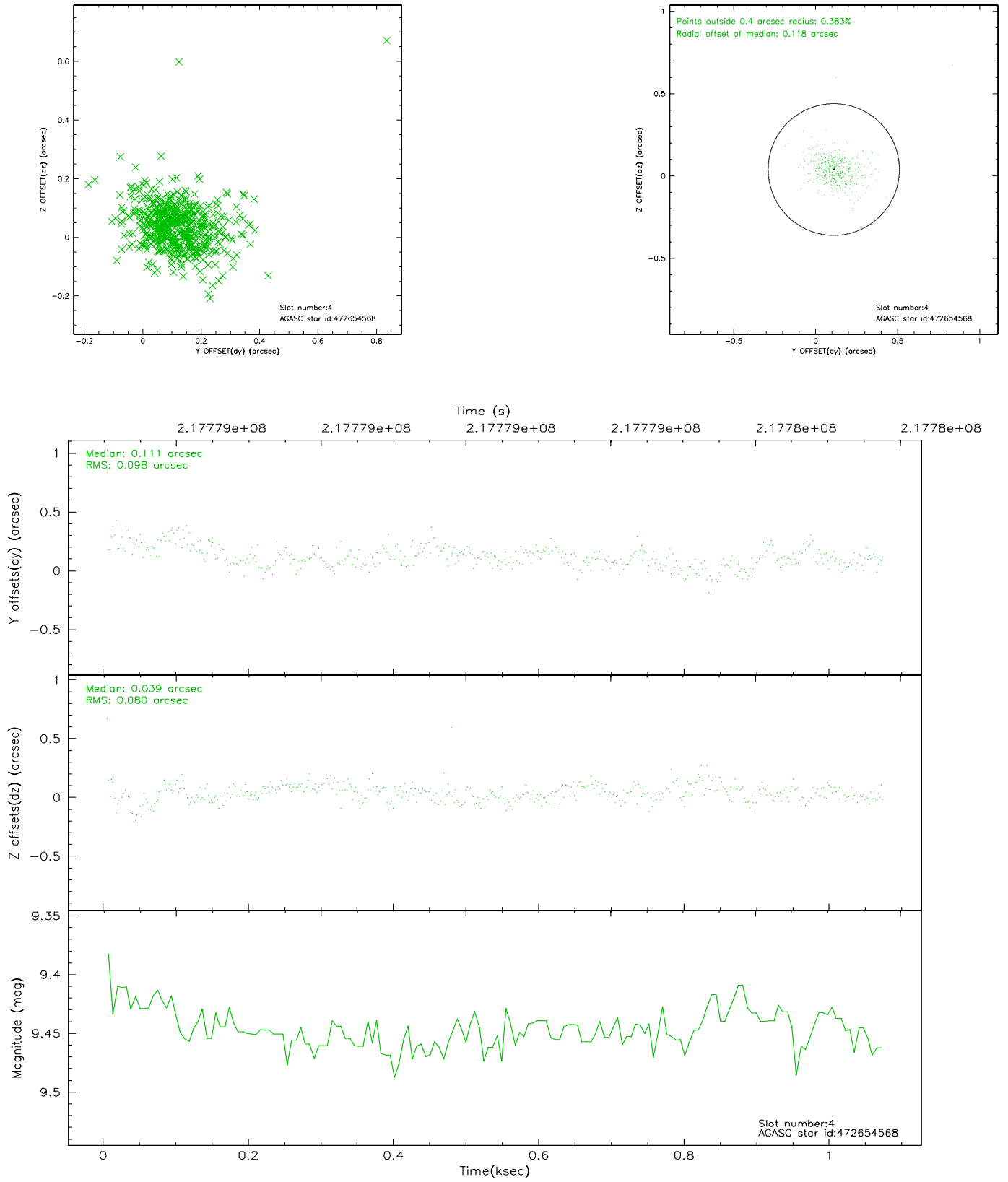


## 2.4 Star Slots

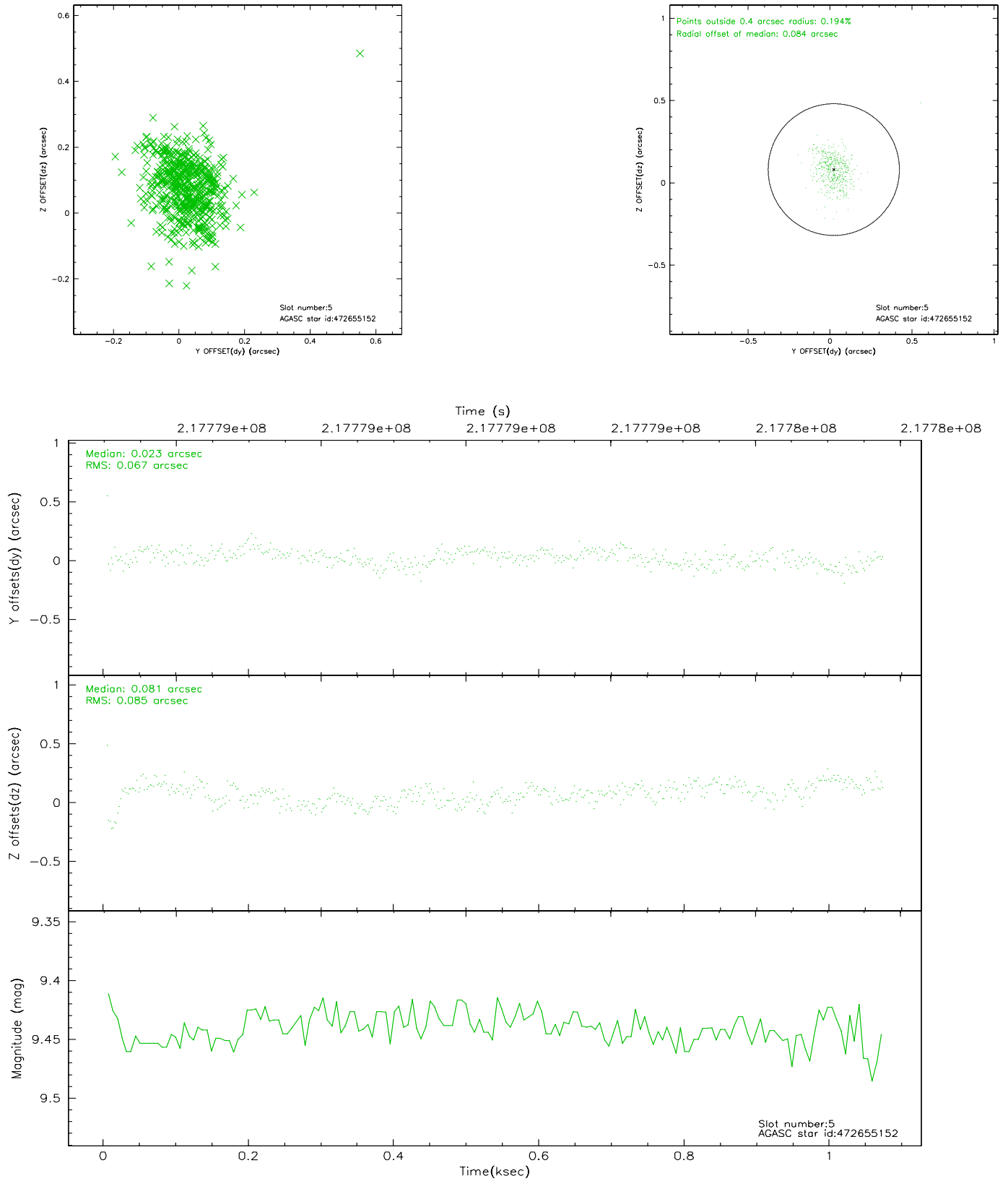
### 2.4.1 Slot 3



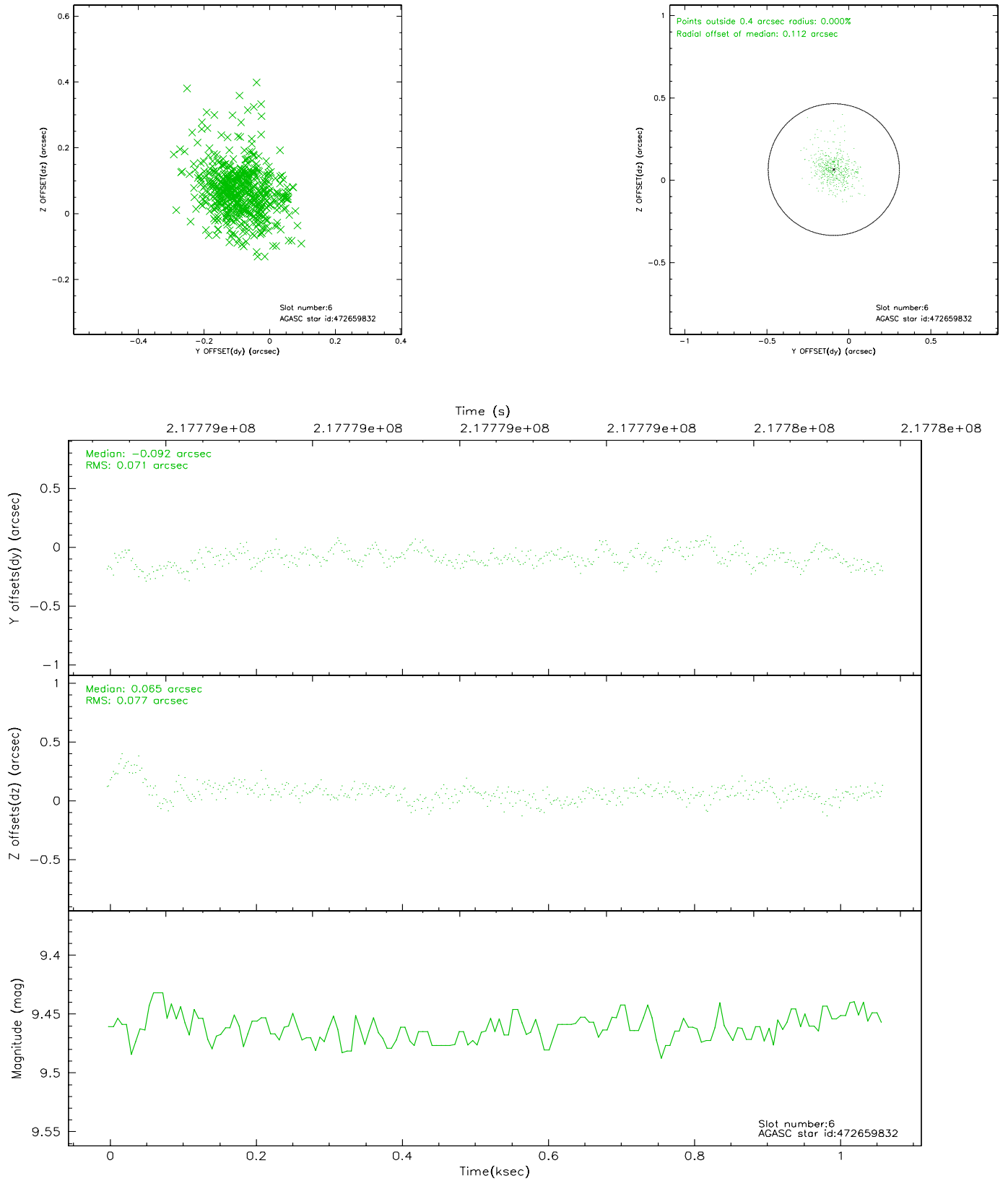
## 2.4.2 Slot 4



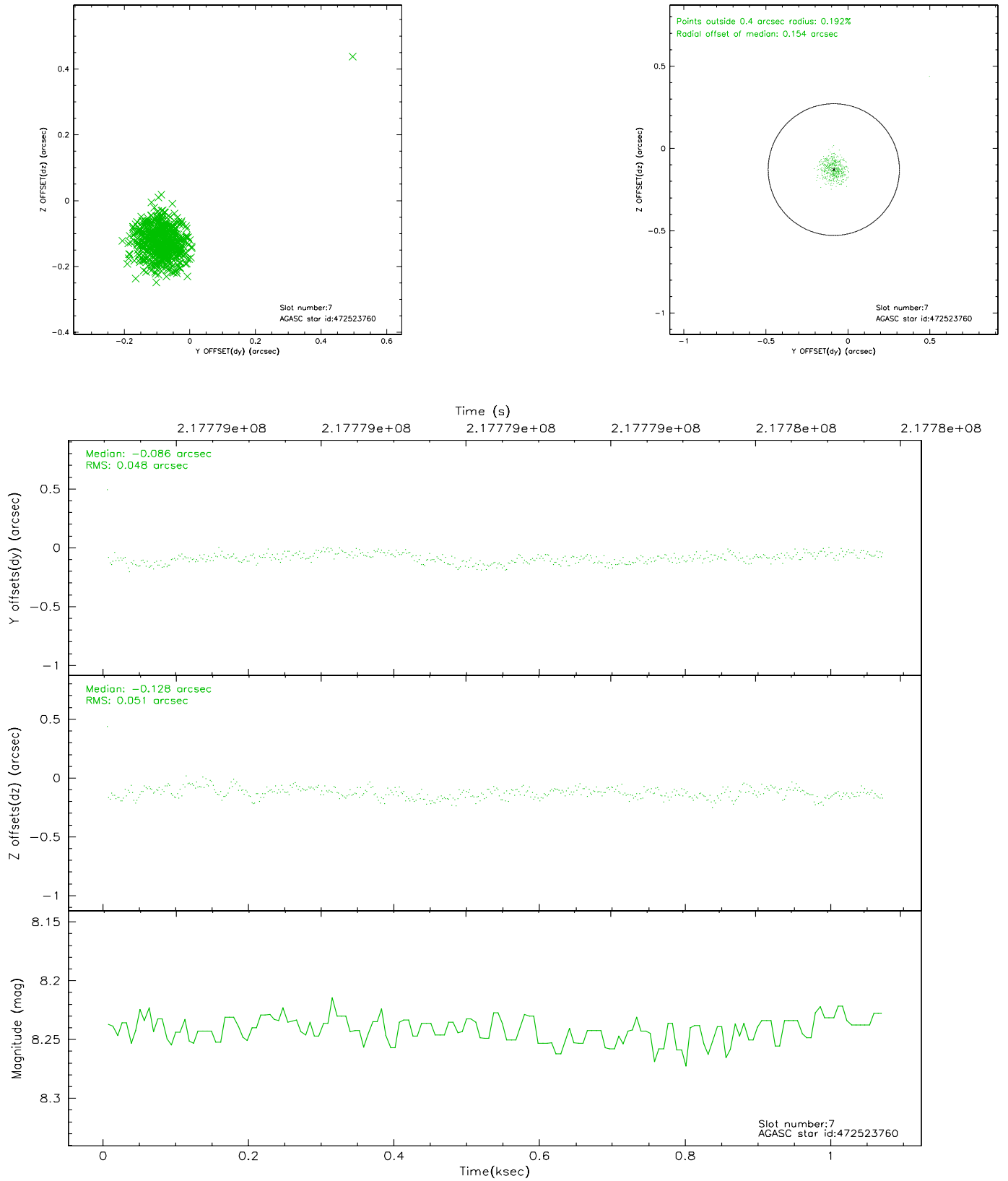
### 2.4.3 Slot 5



## 2.4.4 Slot 6

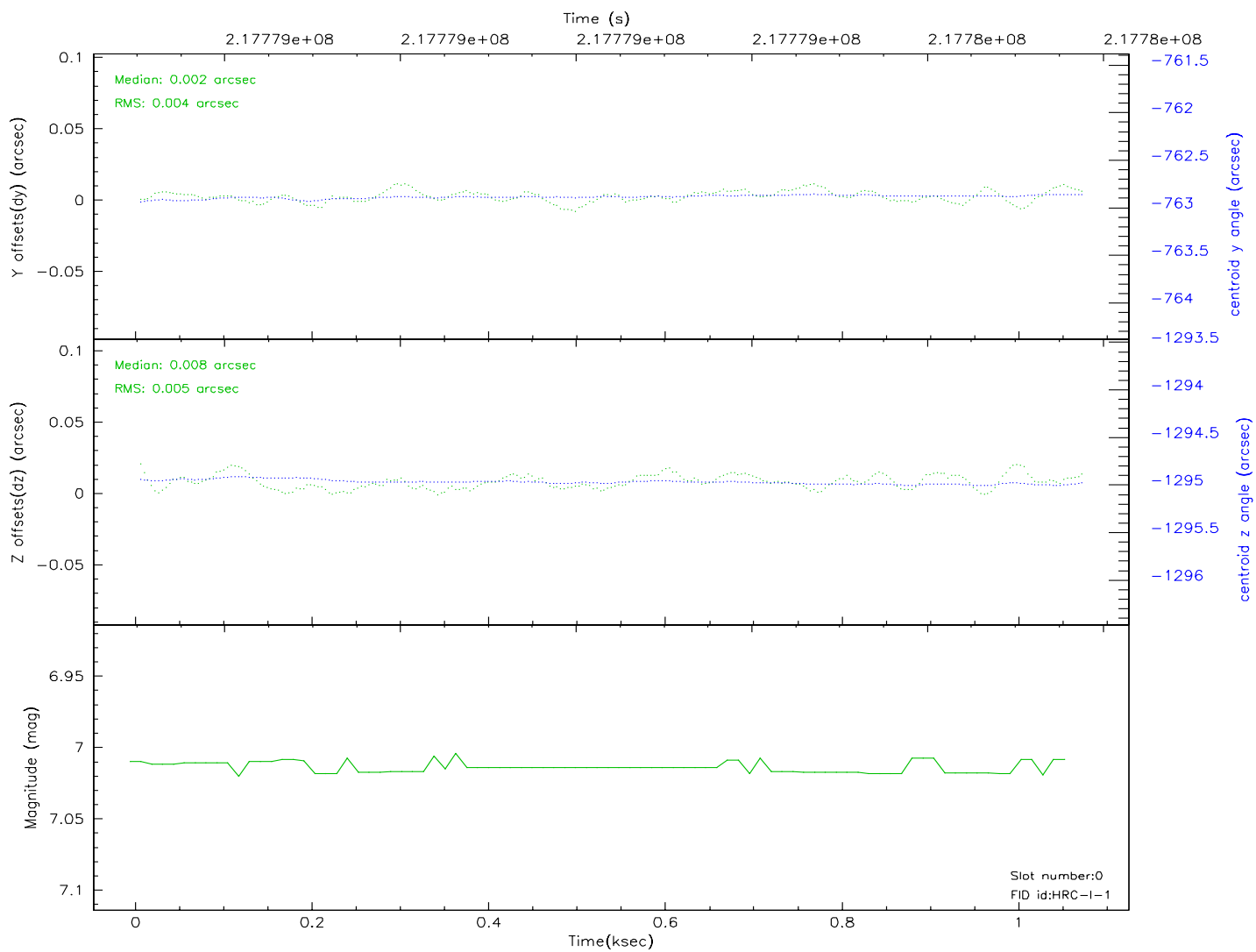
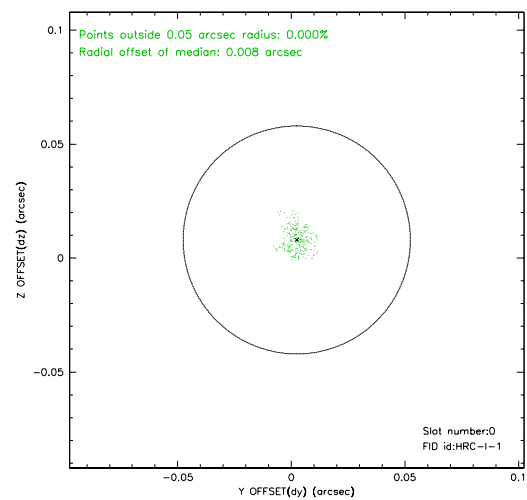
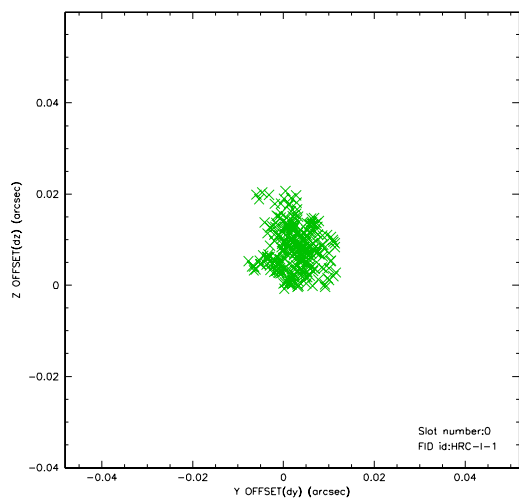


## 2.4.5 Slot 7

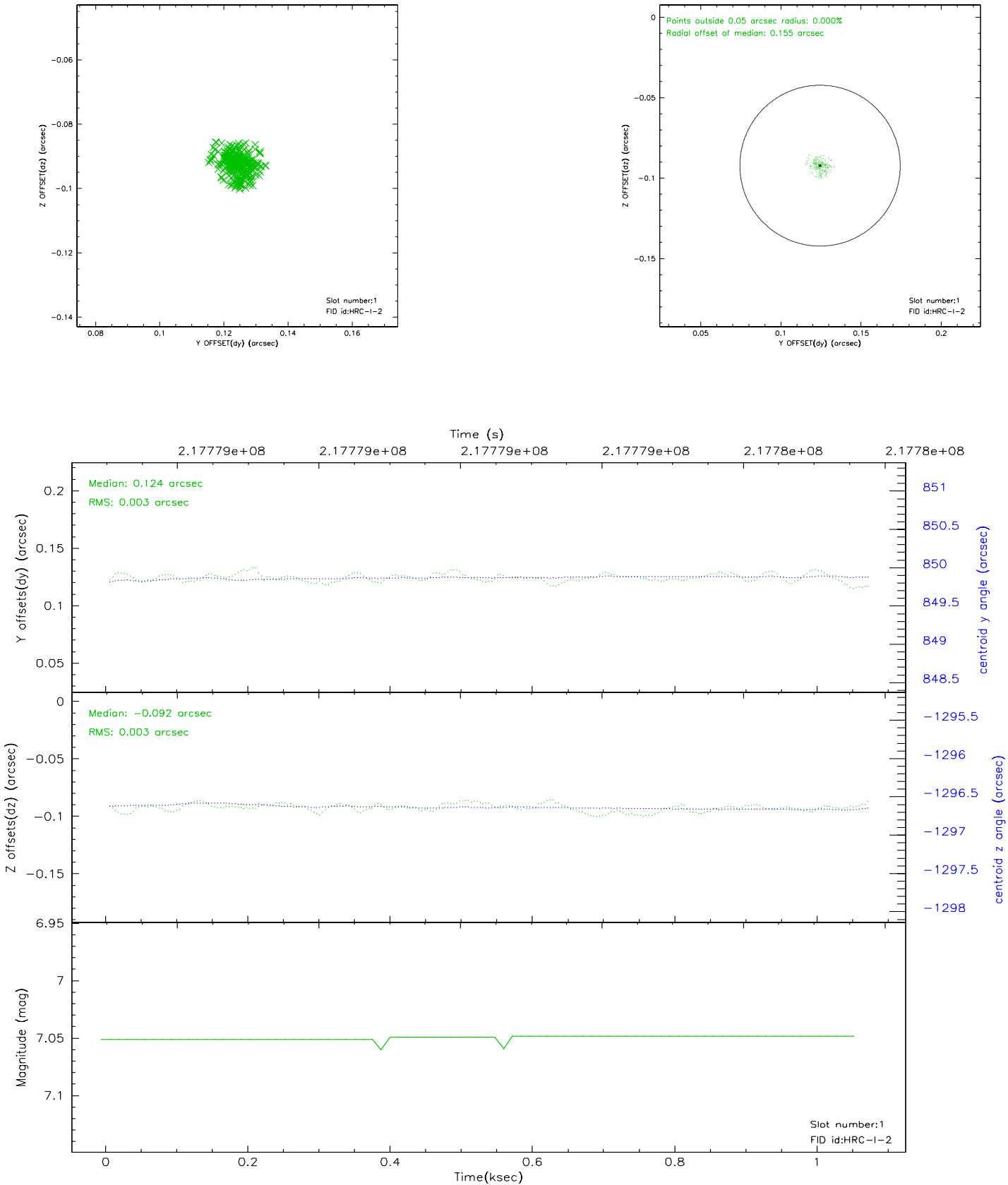


## 2.5 FID Slots

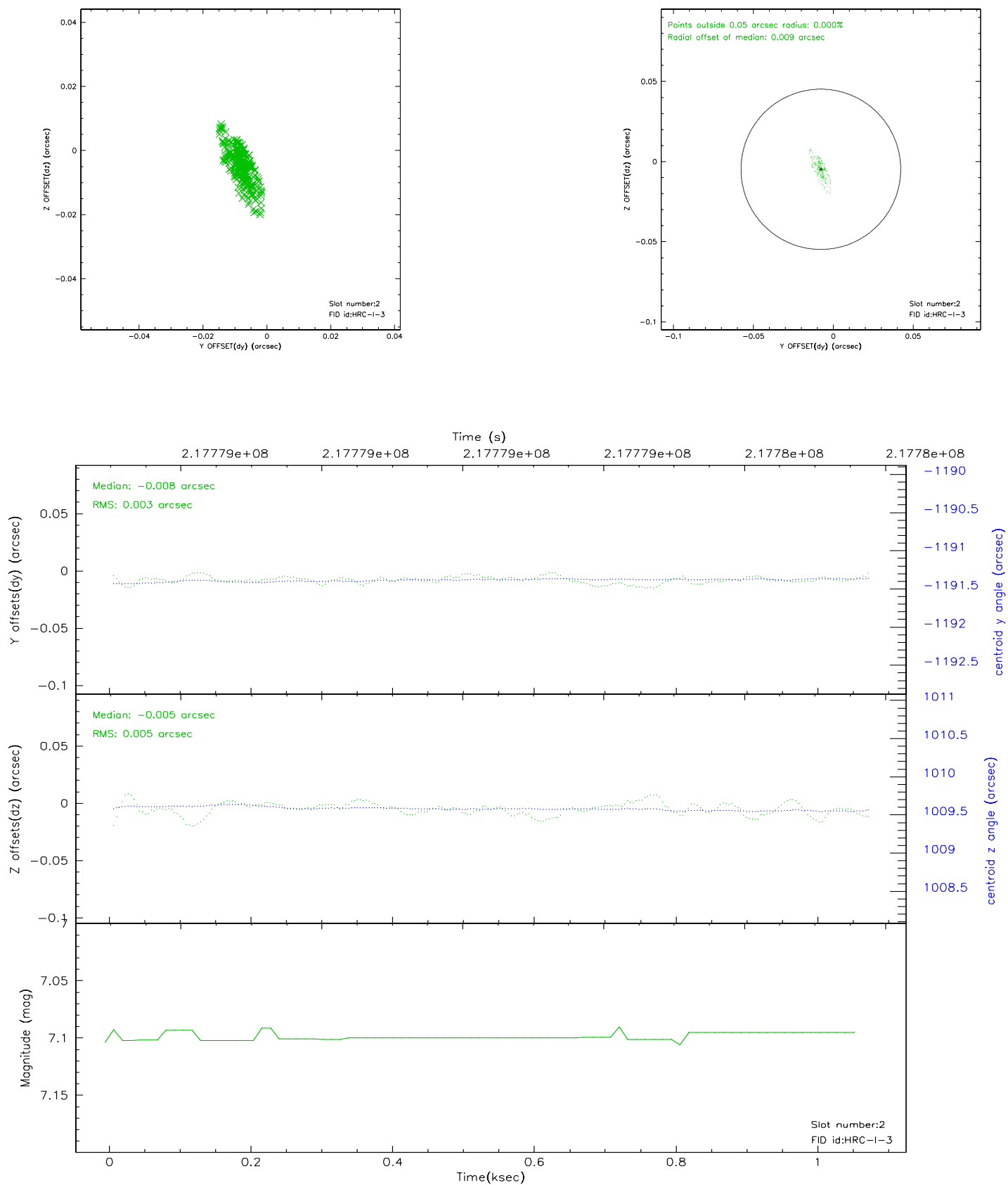
### 2.5.1 Slot 0



2.5.2 Slot 1

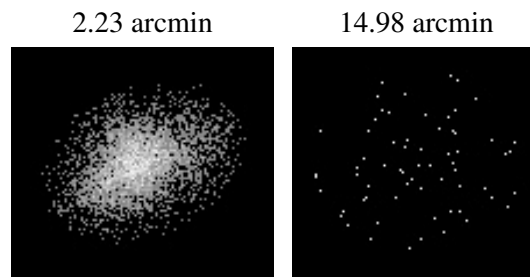


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.067281

## 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.